CUMULATED INDEX MEDICUS

VOLUME 26, 1985

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
National Institutes of Health

26/sec.12

S&T

REFERENCE

NEWARK PUBLIC LIBRARY

APR 9 1986

U. S. GOVT. PUBS.
DEPOSITORY 326

ISSN: 0090-1423

NATIONAL LIBRARY of MEDICINE

CUMULATED INDEX MEDICUS

VOLUME 26, 1985

SUBJECT INDEX Mol-Pi

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
National Institutes of Health

NATIONAL LIBRARY OF MEDICINE
8600 Rockville Pike
Bethesda, Maryland 20894

NIH Publication No. 85-259

National Library of Medicine Cataloging in Publication

ZW 1 I384

Cumulated Index medicus. -- Vol. 1 (Jan.-Dec. 1960)- . --
Chicago : American Medical Association ; Washington, D.C. :
Supt. of Docs., U.S. G.P.O. [distributor], 1961-
v.

Vols. for 1965- issued by the National Library of Medicine.

Continues: Quarterly cumulative Index medicus.

Annual cumulation of the monthly issues of Index medicus.

Vols. for 1971-1978 issued as DHEW publication ; no. (NIH) 72-259, etc.; for 1979- as NIH publication ; no. 80-259, etc.

Issues for 1967- include Bibliography of medical reviews.

ISSN 0090-1423 = Cumulated Index medicus.

1. Bibliography of Medicine 2. Medicine - indexes I. Bibliography of medical reviews II. Index medicus III. American Medical Association. IV. National Library of Medicine (U.S.) V. Series: DHEW publication ; no. (NIH) 72-259, etc. VI. Series: NIH publication ; no. 80-259, etc.

© All or portions of this publication are protected against copying or other reproduction outside of the United States in accordance with the provisions of Article II of the Universal Copyright Convention.

This book is printed on acid-free paper for permanence.

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402

CUMULATED INDEX MEDICUS
CONTENTS

Book 1

PREFACE
INTRODUCTION
ACCESS TO ARTICLES CITED
MEDICAL SUBJECT HEADINGS (Contents) III

Book 2

JOURNALS INDEXED—Abbreviation Listing 905
Full Title Listing 973
BIBLIOGRAPHY OF MEDICAL REVIEWS—
Subject Index 1033
CUMULATED INDEX MEDICUS—
Author Index A-Bs 1445

Book 3 Author Index Bu-Gs
Book 4 Author Index Gu-L
Book 5 Author Index M-R
Book 6 Author Index S-Z
Book 7 Subject Index A-Bli
Book 8 Subject Index Blo-Cu
Book 9 Subject Index Cy-Fo
Book 10 Subject Index Fr-Ins
Book 11 Subject Index Int-Moh
Book 12 Subject Index Mol-Pi
Book 13 Subject Index Pl-Sk
Book 14 Subject Index Sl-Z

research. Potter RH, et al. **J Dent Educ** 1985 Mar;49(3):145-53

Clinical hypothesis testing in family practice: a biopsychosocial perspective. Like R, et al. **J Fam Pract** 1984 Oct;19(4):517-23

A contractual model for accountability and financial stability in a community-based family practice residency. Werblun MN. **J Fam Pract** 1985 Sep;21(3):228-30

Retirement communities and their life stages. La Greca AJ, et al. **J Gerontol** 1985 Mar;40(2):211-8

A recursive model of economic well-being in retirement. Leon J. **J Gerontol** 1985 Jul;40(4):494-505

Medicaid reform: programming solutions to the equity problem. Stuart B, et al. **J Health Polit Policy Law** 1985 Spring;10(1):93-118

The Neuman Systems Model in practice. Planning phase. Capers CF, et al. **J Nurs Adm** 1985 May;15(5):29-38

Toward more clarity in terminology: frameworks, theories and models. Adam E. **J Nurs Educ** 1985 Apr;24(4):151-5

Professional nursing education: what is its purpose? Butterfield SE. **J Nurs Educ** 1985 Mar;24(3):99-103

A model for curriculum evaluation. Horan M, et al. **J Nurs Educ** 1984 Sep;23(7):319-22

Family sculpture. Keltner B, et al. **J Nurs Educ** 1984 Oct;23(8):361-3

Putting the patient on the team: a teaching strategy. Zawacki N, et al. **J Nurs Educ** 1984 Oct;23(8):346-8

Applying an evaluation model to a dental public health program. Scheetz JP, et al. **J Public Health Dent** 1985 Summer;45(3):187-92

The circumference of an ellipse [letter] Toms DA. **J Ultrasound Med** 1984 Oct;3(10):480

Complex clinical workloads in a nutshell [letter] Dibble JB, et al. **Lancet** 1984 Dec 8;2(8415):1343

Model building on the basis of Dutch cervical cancer screening data. Habbema JD, et al. **Maturitas** 1985 May;7(1):11-20

Interaction effects in a multivariate model of physician visits by older people. Arling G. **Med Care** 1985 Apr;23(4):361-71

Developing multiattribute health indexes. Boyle MH, et al. **Med Care** 1984 Nov;22(11):1045-57

Determinants of market share for a hospital's services. Erickson GM, et al. **Med Care** 1985 Aug;23(8):1003-18

Decision-modeling methods used to design decision support systems for staffing. Nutt PC. **Med Care** 1984 Nov;22(11):1002-13

A concise model for the management of possible appendicitis. Clarke JR. **Med Decis Making** 1984;4(3):331-8

Statistical modelling and diagnostic aids. Morton BA, et al. **Med Decis Making** 1984;4(3):339-48

An extended hypothetical theory of the dose-response relations in pharmacology.. Várkonyi P, et al. **Med Hypotheses** 1985 Apr;16(4):409-20

A photon dose distribution model employing convolution calculations. Boyer A, et al. **Med Phys** 1985 Mar-Apr;12(2):169-77

Physical characteristics of scattered radiation in diagnostic radiology: Monte Carlo simulation studies. Chan HP, et al. **Med Phys** 1985 Mar-Apr;12(2):152-65

Models of service delivery: an assessment of some applications and implications for people who are mentally retarded. Baldwin S. **Ment Retard** 1985 Feb;23(1):6-12

Dynamic simulation models: how valid are they? Shreckengost RC. **Natl Inst Drug Abuse Res Monogr Ser** 1985;57:63-70

Integrating theories of crisis intervention into hospice home care teaching. Christensen S, et al. **Nurs Clin North Am** 1985 Jun;20(2):449-55

Models of care for persons with progressive cancer. Saunders JM, et al. **Nurs Clin North Am** 1985 Jun;20(2):365-77

An action research framework for primary health care. Flynn BC. **Nurs Outlook** 1984 Nov-Dec;32(6):316-8

Helping and nursing models. Cronenwett LR. **Nurs Res** 1983 Nov-Dec;32(6):342-6

The unification model in nursing: a study of receptivity among nurse educators in the United States. Yarcheski A, et al. **Nurs Res** 1985 Mar-Apr;34(2):120-5

Some statistical concepts in the analysis of vision and visual acuity. Wild JM, et al. **Ophthalmic Physiol Opt** 1985;5(1):63-71

Bead centrifuge tube inserts--a semi-quantitative theory. Polson A, et al. **Prep Biochem** 1984 Aug;14(3):223-30

Transcription of ground-state density-functional theory into a local thermodynamics. Ghosh SK, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):8028-31

Teaching the biopsychosocial model to medical residents in an outpatient clinic. Rosenblum S, et al. **Psychosomatics** 1984 Oct;25(10):751-3, 757-9

Ideologies of clinical and ecological models. Stubbins J, et al. **Rehabil Lit** 1984 Nov-Dec;45(11-12):349-53 (15 ref.)

A reply to Collins and Fielder: the concept of theory. Beckstrand J. **Res Nurs Health** 1984 Sep;7(3):189-96

Goodness of fit methods for the proportional hazards regression model: a review. Kay R. **Rev Epidemiol Sante Publique** 1984;32(3-4):185-98

Testing the proportional hazards regression model against some general alternatives. O'Quigley J, et al. **Rev Epidemiol Sante Publique** 1984;32(3-4):199-205

Economic evaluation of health care interventions: a review of alternative methods. Carrin G. **Soc Sci Med** 1984;19(10):1015-30

Estimates of the demand for health: males in the pre-retirement years. Lairson D, et al. **Soc Sci Med** 1984;19(7):741-7

Econometric models and the study of the economic effects of Social Security. Hambor JC. **Soc Secur Bull** 1984 Oct;47(10):3-8

The bootstrap and identification of prognostic factors via Cox's proportional hazards regression model. Chen CH, et al. **Stat Med** 1985 Jan-Mar;4(1):39-46

Dynamic evaluation of short-term prognosis after myocardial infarction. Hougaard P, et al. **Stat Med** 1985 Jan-Mar;4(1):29-38

Dose-response analysis of combination preparations. Unkelbach HD, et al. **Stat Med** 1985 Jan-Mar;4(1):77-85

The effect of a hypoxic cell sensitizer on cancer radiotherapy: an analysis by a model. Okumura Y, et al. **Strahlentherapie** 1984 Oct;160(10):620-3

A model for health projections using knowledgeable informants. Levine A. **World Health Stat Q** 1984;37(3):306-17 **(Eng, Fre)**

Methods and issues in the projection of population health status. Manton KG. **World Health Stat Q** 1984;37(3):294-305 **(Eng, Fre)**

[A mathematical model of the age-specific prevalence of hypertension] Pan XQ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Apr;6(2):103-7 (Eng. Abstr.) **(Chi)**

[A mathematical model of influenza epidemics] Holáň V, et al. **Cas Lek Cesk** 1985 Jan 25;124(4):114-7 (Eng. Abstr.) **(Cze)**

[The distribution of the use of addictive drugs according to the Sully Ledermann model] Nahas G. **Bull Acad Natl Med (Paris)** 1984 Jan-Feb;168(1-2):195-201 (Eng. Abstr.) **(Fre)**

[A new procedure for estimating the distribution of measured values--demonstrated by morphometric examples] Peil J, et al. **Gegenbaurs Morphol Jahrb** 1984;130(6):793-800 (Eng. Abstr.) **(Ger)**

[Nonparametric estimation of 1-dimensional continuous distribution density functions using the continuous LOLINREG approximation] Schmerling S, et al. **Gegenbaurs Morphol Jahrb** 1984;130(6):779-92 (Eng. Abstr.) **(Ger)**

[Influence of external sources on SO2 emission in Berlin (West)] Fett W. **Schriftenr Ver Wasser Boden Lufthyg** 1984;59:145-64 **(Ger)**

[Model for evaluating hazardous substances in water and its possibilities for application] Trénel J. **Schriftenr Ver Wasser Boden Lufthyg** 1984;57:75-80 **(Ger)**

[A deductive model of historic anthropology. Contribution to an ecosystemic interpretation] Grupe G. **Z Morphol Anthropol** 1985;75(2):189-95 (Eng. Abstr.) **(Ger)**

[The problem of modelling in pharmacology] Zakusov VV. **Biull Eksp Biol Med** 1985 Jun;99(6):757-60 **(Rus)**

[Elaboration of a model of maximum permissible levels of emissions for chemical industrial plants] Ivanov II, et al. **Gig Sanit** 1985 Feb;(2):63-5 **(Rus)**

[Hygienic aspects of an information model of noise] Kolganov AV, et al. **Gig Sanit** 1985 Jun;(6):19-22 (Eng. Abstr.) **(Rus)**

[Automation of the planning of public health resources based on the use of mathematical models and computers] Loginov BR. **Sov Zdravookhr** 1985;(1):19-24 **(Rus)**

[Current methods of modeling used to determine the objectives of public health administration] Timonin VM. **Sov Zdravookhr** 1984;(5):8-14 **(Rus)**

[Use of models in the epidemiology of traffic injuries] Sokić S. **Srp Arh Celok Lek** 1984 Apr;112(4):427-33 (Eng. Abstr.) **(Scc)**

[A contemporary model of environmental health sciences: its application in the recruitment of faculty and in academic development] Guidotti TL, et al. **Educ Med Salud** 1985;19(2):173-86 (Eng. Abstr.) **(Spa)**

[Research on models of surgical care: the 'Simplified Surgery System' program] Vélez Gil A, et al. **Educ Med Salud** 1984;18(3):274-87 (Eng. Abstr.) **(Spa)**

[Truth and error in medicine] Jinich H, et al. **Gac Med Mex** 1984 Apr;120(4):133-44 **(Spa)**

MOHAMMEDANISM see **ISLAM**

MOLAR

Treatment of children with ectopic eruption of the maxillary first permanent molar by cervical traction. Kurol J, et al. **Am J Orthod** 1984 Dec;86(6):483-92

In vitro assessment of marginal leakage of sealants placed in permanent molars with different etching times. Fuks AB, et al. **ASDC J Dent Child** 1984 Nov-Dec;51(6):425-7

Impacted maxillary second permanent molars. Ranta R. **ASDC J Dent Child** 1985 Jan-Feb;52(1):48-51

Management of ectopically erupting first permanent molars. Rust RD, et al. **ASDC J Dent Child** 1985 Jan-Feb;52(1):55-6

Asymmetry of caries attack on the occlusal surfaces of first permanent molar teeth. Wood PF. **Aust Dent J** 1985 Apr;30(2):123-7

'The longevity of occlusal amalgam restorations in first permanent molars of child patients' [letter] Stanley A. **Br Dent J** 1985 Mar 23;158(6):201

The longevity of occlusal amalgam restorations in first permanent molars of child patients. Walls AW, et al. **Br Dent J** 1985 Feb 23;158(4):133-6

Root resorption: the aggressive, unerupted second premolar. Tracey C, et al. **Br J Orthod** 1985 Apr;12(2):97-101

Clinical evaluation of a composite resin in primary molars. **J Am Dent Assoc** 1985 May;110(5):768

Three-year evaluation of sealant: effect of isolation on efficacy. Straffon LH, et al. **J Am Dent Assoc** 1985 May;110(5):714-7

Two-year clinical evaluation of light-cured composite resin restorations in primary molars. Tonn EM, et al. **J Am Dent Assoc** 1985 Jul;111(1):44-8

Asymptomatic impacted mandibular third molar in the subcondylar-sigmoid notch region associated with extensive sclerotic bone. Granite EL, et al. **J Oral Med** 1985 Apr-Jun;40(2):91-2, 97

Root surface measurements of the mandibular first molar. Dunlap RM, et al. **J Periodontol** 1985 Apr;56(4):234-8

Molar and nonmolar teeth compared over 6 1/2 years following two methods of periodontal therapy. Pihlstrom BL, et al. **J Periodontol** 1984 Sep;55(9):499-504

Effect of complete veneer crowns on the compressive strength of endodontically treated posterior teeth. Gelfand M, et al. **J Prosthet Dent** 1984 Nov;52(5):635-8

Biting the bullet. Snyder WC, et al. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):347

[Dental composites in the premolar and molar region, 1984] Vanherle G. **Rev Belge Med Dent** 1985 Jan-Feb;40(1):26-7 **(Fre)**

[Bonded enamel bridge in replacement of a maxillary molar] Miara P, et al. **Rev Odontostomatol (Paris)** 1984 May-Jun;13(3):186-90 **(Fre)**

[Correction of overbite: extrusion of the molars or intrusion of the incisors?] Dermaut L, et al. **Schweiz Monatsschr Zahnmed** 1984 Jun;94(6):531-49 (Eng. Abstr.) **(Fre)**

[Undermining resorption of the 2d deciduous molar by the permanent molars as a microsymptom of hereditary dentition disorders] Hoffmeister H. **Schweiz Monatsschr Zahnmed** 1985 Feb;95(2):151-4 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Classificatory reliability of the Carabelli trait in man. Kieser JA, et al. **Arch Oral Biol** 1984;29(10):795-801

Multiple localized root agenesis. Held M, et al. **ASDC J Dent Child** 1985 Jan-Feb;52(1):45-7

Congenitally missing first permanent molars: unusual course of development. Järvinen S. **ASDC J Dent Child** 1984 Sep-Oct;51(5):374-5

Hereditary agenesis of ten maxillary posterior teeth: a family history. Ranta R. **ASDC J Dent Child** 1985 Mar-Apr;52(2):125-7

The paramolar tubercle: a morphological anomaly with clinical considerations. Magalee RE, et al. **NY State Dent J** 1984 Nov;50(9):564, 566

Pregnant molar. Goebel G. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):227

Pyramidal molars. Uneoka M, et al. **Oral Surg Oral Med Oral Pathol** 1985 Apr;59(4):433

[Taurodontism studies in Senegal] Moreau JL, et al. **Schweiz Monatsschr Zahnmed** 1985 Jun;95(6):515-21 (Eng. Abstr.) **(Fre)**

[Presence of accessory foramina in permanent molars] Borio PS, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):347-50 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Maxillary skeletal and dental change with Fränkel appliance therapy--an implant study. Brieden CM, et al. **Angle Orthod** 1984 Jul;54(3):226-32

Third molar changes following second molar extractions. Cavanaugh JJ. **Angle Orthod** 1985 Jan;55(1):70-6

Lower molar crowding in the early permanent dentition. Richardson ME. **Angle Orthod** 1985 Jan;55(1):51-7

Three-dimensional measurements of the occlusal surfaces of upper molars in a Dutch population. Kanazawa E, et al. **J Dent Res** 1984 Nov;63(11):1298-301

Linear variation of the root surface area of the maxillary first molar. Gher MW Jr, et al. **J Periodontol** 1985 Jan;56(1):39-43

[A study of lateral root canals in the first and second molar] Xi HS. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Mar;20(2):88-90, 126-7 (Eng. Abstr.) **(Chi)**

[Enamel projections in human molars. Their incidence and distribution] Praglia E, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):343-6 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

The caries-preventive effect of a fluoride varnish in the fissures of the first permanent molar. Holm GB, et al. **Acta Odontol Scand** 1984 Aug;42(4):193-7

Tooth wear, solubility and fluoride concentration of molar-tooth surfaces in rats maintained on simultaneous or separate intake of food and fluoridated drinking water. Markitziu A, et al. **Arch Oral Biol** 1985;30(2):167-9

Effect of topical application of citric acid in the treatment of furcation involvement in human lower molars. Parodi RJ, et al. **J Clin Periodontol** 1984 Nov;11(10):644-51

ENZYMOLOGY

Partial purification and some characteristics of hamster molar alkaline phosphatase. Dogterom AA, et al. **Experientia** 1984 Nov 15;40(11):1259-61

GROWTH & DEVELOPMENT

Infraocclusion of primary molars and the effect on occlusal development, a longitudinal study. Kurol J, et al. **Eur J Orthod** 1984 Nov;6(4):277-93

INJURIES

Vertical crown-root fractures in posterior teeth. Luebke RG. **Dent Clin North Am** 1984 Oct;28(4):883-94

INNERVATION

Dentinal innervation of impacted human third molars. Lilja J, et al. **Scand J Dent Res** 1984 Dec;92(6):485-8

MICROBIOLOGY

Longitudinal investigation of bacteriology of human fissure decay: epidemiological studies in molars shortly after eruption. Loesche WJ, et al. **Infect Immun** 1984 Dec; 46(3):765-72

[Electron microscopic study of bacterial colonization in the fissures of rat molars during eruption] Ozaki F, et al. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):62-71 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

A treatment for ectopically erupted first permanent molars. Hartmann C. **ASDC J Dent Child** 1984 Sep-Oct;51(5):363-6

Intra-coronal resorption of unerupted molars. Grundy GE, et al. **Aust Dent J** 1984 Jun;29(3):175-9

Patho-morphological studies on the buccal pit. Awazawa Y, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Oct;27(4):239-56

Pericoronal features of regional odontodysplasia. Gould AR, et al. **J Oral Med** 1984 Oct-Dec;39(4):236-42

Infraocclusion of primary molars: a histologic study. Kurol J, et al. **Scand J Dent Res** 1984 Dec;92(6):564-76

PHYSIOLOGY

Clinical measurement of distally directed headgear loading. Bratcher HJ, et al. **Am J Orthod** 1985 Aug;88(2):125-32

The influence of modification of cavity design on distribution of stresses in a restored molar. de Vree JH, et al. **J Dent Res** 1984 Oct;63(10):1217-20

Three-dimensional analysis of cusp travel during a nonworking mandibular movement. Schulte JK, et al. **J Prosthet Dent** 1985 Jun;53(6):839-43

Working condylar movement and its effects on posterior occlusal morphology. Schulte JK, et al. **J Prosthet Dent** 1985 Jul;54(1):118-21

The so-called eruption sequestrum. Priddy RW, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep;58(3):321-6

[Occlusographic evaluation of molar migration in cases treated by serial extraction] van der Vleugel J. **Rev Belge Med Dent** 1984 Oct-Nov;39(5):181-5 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Infraocclusion of primary molars with aplasia of the permanent successor. A longitudinal study. Kurol J, et al. **Angle Orthod** 1984 Oct;54(4):283-94

Effects of premature loss of deciduous molars. Northway WM, et al. **Angle Orthod** 1984 Oct;54(4):295-329

A pilot study of the clinical problem of regionally anesthetizing the pulp of an acutely inflamed mandibular molar. Wallace JA, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):517-21

SURGERY

The effect of extraction of infraoccluded deciduous molars: A longitudinal study. Kurol J, et al. **Am J Orthod** 1985 Jan;87(1):46-55

Second molar germectomy and third molar eruption. 11 cases of lower second molar enucleation. Gaumond G. **Angle Orthod** 1985 Jan;55(1):77-88

Extraction of four second molars. Quinn GW. **Angle Orthod** 1985 Jan;55(1):58-69

Cysts associated with deciduous molars following pulp therapy. Grundy GE, et al. **Aust Dent J** 1984 Aug; 29(4):249-56

Molar apicoectomy--salvaging teeth--II. Goldsmith JP. **NY J Dent** 1985 Feb;55(2):51-4

Missing tooth. Leinback TE. **Oral Surg Oral Med Oral Pathol** 1985 Mar;59(3):319

[Molar replantation] Hanzély B. **Fogorv Sz** 1985 Feb; 78(2):41-5 (Eng. Abstr.) **(Hun)**

ULTRASTRUCTURE

Molar microwear and diet in the genus Cebus. Teaford MF. **Am J Phys Anthropol** 1985 Apr;66(4):363-70

Orientation of occlusal contacts in the chimpanzee, Pan troglodytes verus, deduced from scanning electron microscopic analysis of dental microwear patterns. Gordon KD. **Arch Oral Biol** 1984;29(10):783-7

MOLAR, FOURTH see TOOTH, SUPERNUMERARY

MOLAR, THIRD

Caries and periodontitis associated with an unerupted third molar. Baab DA, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):428-30

[Relation between mandibular measurement and impacted wisdom teeth in 267 Moslems] Wang PH. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Jun;19(2):120-2 **(Chi)**

[The need for the prophylactic removal of the wisdom teeth] Alatas SZ. **Rev Belge Med Dent** 1984 Aug-Sep;39(4):131-3 (Eng. Abstr.) **(Fre)**

[Positive orthodontic aspects of the wisdom tooth] Freisfeld M. **Fortschr Kieferorthop** 1984 Oct;45(5):390-402 (Eng. Abstr.) **(Ger)**

[Clinico-statistical and therapeutic observations on 196 cases of impacted lower third molars] Debernardi G, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):229-32 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Gemination of a mandibular third molar. Ruprecht A, et al. **Oral Surg Oral Med Oral Pathol** 1985 Apr;59(4):432

[Dimensions and spatial orientation of the maxilla in the facial skeleton in wisdom tooth retention and anodontia] Bezvestnyi GV. **Stomatologiia (Mosk)** 1984 Sep-Oct; 63(5):61-3 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Spatial position of mandibular third molars in monozygotic twins. Efstratiadis SS, et al. **Angle Orthod** 1984 Oct; 54(4):271-82

Age-specific angulation of unerupted human third molar teeth in a cross-sectional sample. Cohen ME, et al. **Arch Oral Biol** 1985;30(5):441-4

Further observations on lower third molar tilt. Tait RV. **Br J Orthod** 1984 Oct;11(4):200-4

MICROBIOLOGY

A scanning electron microscopic study on the microflora of chronic pericoronitis of lower third molars. Hurlen B, et al. **Oral Surg Oral Med Oral Pathol** 1984 Nov; 58(5):522-32

PATHOLOGY

Pathologic quiz case 1. Odontogenic keratocyst (OKC). Dierks EJ, et al. **Arch Otolaryngol** 1985 May;111(5):346, 347, 348

PHYSIOLOGY

Prediction of lower third molar impaction from the frontal cephalometric projection. Svendsen H, et al. **Eur J Orthod** 1985 Feb;7(1):1-16

RADIOGRAPHY

A well-defined coronal radiolucent area involving an impacted third molar. Craig RM, et al. **J Am Dent Assoc** 1984 Oct;109(4):612-3

SURGERY

A comparison of the analgesic effects of meptazinol and pentazocine following removal of impacted third molars. Griffiths MJ, et al. **Br Dent J** 1985 Jan 5;158(1):19-21

Voltaren as an analgesic after surgical removal of a lower wisdom tooth. Henrikson PA, et al. **Int J Oral Surg** 1985 Aug;14(4):333-8

Periodontal healing after impacted lower third molar surgery. A retrospective study. Kugelberg CF, et al. **Int J Oral Surg** 1985 Feb;14(1):29-40

Decadronphosphate in the relief of complaints after third molar surgery. A double-blind, controlled trial with bilateral oral surgery. Pedersen A. **Int J Oral Surg** 1985 Jun;14(3):235-40

Interrelation of complaints after removal of impacted mandibular third molars. Pedersen A. **Int J Oral Surg** 1985 Jun;14(3):241-4

Pain control after third molar surgery. Seymour RA, et al. **Int J Oral Surg** 1984 Dec;13(6):457-85 (105 ref.)

Effect of antimicrobial mouth rinses on the incidence of localized alveolitis and infection following mandibular third molar oral surgery. Sweet JB, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):24-6

Effect of methylprednisolone on complications after removal of impacted mandibular third molars. Bystedt H, et al. **Swed Dent J** 1985;9(2):65-9

[Effectiveness of high-bioavailability glafenine tablets in stomatology. Double-blind comparison with standard glaphenine in post-apicoectomy pain (wisdom teeth included)] Mayer R. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jul; 27(3):199-205 **(Fre)**

[Modified suture technic following operative extraction of mandibular wisdom teeth] Freitag V. **Fortschr Kiefer Gesichtschir** 1985;30:29-31 **(Ger)**

[Causes of injury to the lingual nerve in the operative extraction of the lower wisdom teeth—chances for reconstruction] Höltje WJ, et al. **Fortschr Kiefer Gesichtschir** 1985;30:54-8 **(Ger)**

MOLECULAR BIOLOGY

Molecular biology in arteriosclerosis research. Williams DL. **Arteriosclerosis** 1985 May-Jun;5(3):213-27 (91 ref.)

Informatics applied to molecular biology. **Biochimie** 1985 May;67(5):425-560

Thinking in one dimension: the impact of molecular biology on development. Stent GS. **Cell** 1985 Jan;40(1):1-2

Recently published papers in the field of molecular evolution. Primary structures of nucleic acids. **J Mol Evol** 1984; 20(3-4):368-71

Molecular science: Japan's next target--biology [news] Anderson A. **Nature** 1984 Nov 8-14;312(5990):90

Molecular biology. Coordination of sequence data [news] Lesk AM. **Nature** 1985 Mar 28-Apr 3;314(6009):318-9

[The use of computers in molecular biology studies] Kaminir LB. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):110-8 (Eng. Abstr.) **(Rus)**

HISTORY

Adventures in molecular biology. Schmitt FO. **Annu Rev Biophys Biophys Chem** 1985;14:1-22

Sixty years of Academician Josef Říman. Blaškovič D. **Folia Biol (Praha)** 1985;31(2):67-70

INSTRUMENTATION

Construction and evaluation of an instrument for the automated synthesis of oligodeoxyribonucleotides. Warner BD, et al. **DNA** 1984 Oct;3(5):401-11

METHODS

A new strategy to create ordered deletions for rapid nucleotide sequencing. Misra TK. **Gene** 1985;34(2-3):263-8

TRENDS

Finalization and/or collectivization. Ziman J. **Cell** 1985 May; 41(1):1

Who will clone a chromosome? [news] Maddox J. **Nature** 1984 Nov 22-28;312(5992):306

Allies in the laboratory? The effects of university-industry relationships on academic biotechnology research. Erban SB. **Pharos** 1985 Spring;48(2):28-33

[From molecules to man: challenges and realities] Krauskopf M. **Rev Med Chil** 1984 Dec;112(12):1266-70 (Eng. Abstr.) **(Spa)**

MOLECULAR CLONING see CLONING, MOLECULAR

MOLECULAR CONFORMATION

Lipid polymorphism: the molecular basis of nonbilayer phases. Gruner SM, et al. **Annu Rev Biophys Biophys Chem** 1985;14:211-38 (91 ref.)

Computer graphics of large macromolecules. Milner-White EJ, et al. **Biochem Soc Trans** 1985 Aug;13(4):793-5

Electron-paramagnetic-resonance lineshapes of biological molecules: some effects of distributed parameters. Salerno JC. **Biochem Soc Trans** 1985 Jun;13(3):611-5

Head-group contributions to bilayer stability: monolayer and calorimetric studies on synthetic, stereochemically uniform glucolipids. Hinz HJ, et al. **Biochemistry** 1985 Jan 29; 24(3):806-13

Phase behavior of large unilamellar vesicles composed of synthetic phospholipids. Parente RA, et al. **Biochemistry** 1984 May 22;23(11):2353-62

Effects of replacement of a double bond by a cyclopropane ring in phosphatidylethanolamines: a 2H NMR study of phase transitions and molecular organization. Perly B, et al. **Biochemistry** 1985 Feb 12;24(4):1055-63

Fluorescence recovery spectroscopy as a probe of slow rotational motions. Wegener WA. **Biophys J** 1984 Dec; 46(6):795-803

Crystal structure of the cis-syn photodimer of thymidylyl (3'-5') thymidine cyanoethyl ester. Cadet J, et al. **Biopolymers** 1985 May;24(5):897-903

Variational calculation of the normal modes of a large macromolecule: methods and some initial results. Harrison RW. **Biopolymers** 1984 Dec;23(12):2943-9

Model computations on the differential scattering of circularly polarized light (CIDS) by dense macromolecular particles. Keller D, et al. **Biopolymers** 1985 May; 24(5):783-97

Physical properties of rod-shaped molecules in solution. Stimpson DI, et al. **Biopolymers** 1985 Feb;24(2):387-402

Conformational changes of cholesteryl palmitoleate in the crystal structure at low temperature. Craven BM, et al. **J Lipid Res** 1984 Aug;25(8):857-64

Conformation and packing of unsaturated chains in crystals of cholesteryl nervonate at 123 K. Sawzik P, et al. **J Lipid Res** 1984 Aug;25(8):851-6

Intellectual traditions in the life sciences. II. Stereocomplementarity. Gilbert SF, et al. **Perspect Biol Med** 1984 Autumn;28(1):18-34

[Nuclear magnetic resonance spectroscopy for the determination of biological structure] Eriksson B, et al. **Lakartidningen** 1985 May 29;82(22):2061-3 **(Swe)**

MOLECULAR MODELS see MODELS, MOLECULAR

MOLECULAR WEIGHT

The determination of molecular weights of biologically active proteins by cetyltrimethylammonium bromide-polyacrylamide gel electrophoresis. Akin DT, et al. **Anal Biochem** 1985 Feb 15;145(1):170-6

Molecular weight determinations of proteins by californium plasma desorption mass spectrometry. Sundqvist B, et al. **Science** 1984 Nov 9;226(4675):696-8

MOLES see under **INSECTIVORA**

MOLINDONE see under **INDOLES**

MOLLUSCA

see related

SHELLFISH

Effect of regulatory light chain on chymotryptic digestion of scallop adductor myosin. Konno K, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1645-51

Limax flavus agglutinin: properties of a sialic acid specific lectin and its biomedical application. Miller RL, et al. **Prog Clin Biol Res** 1984;157:31-41

ANALYSIS

Determination of polyaromatic hydrocarbons in scallops (Pecten maximus) by UV fluorescence and HPLC combined with UV and fluorescence detectors. Friocourt MP, et al. **Bull Environ Contam Toxicol** 1985 Feb; 34(2):228-38

Crystallo-chemical properties of apatite in atremate brachiopod shells. LeGeros RZ, et al. **Calcif Tissue Int** 1985 Jan;37(1):98-100

Amino acid sequence of the cooperative homodimeric hemoglobin from the mollusc Scapharca inaequivalvis and topology of the intersubunit contacts. Petruzzelli R, et al. **FEBS Lett** 1985 May 20;184(2):328-32

Amino acid sequences of the two kinds of regulatory light chains of adductor smooth muscle myosin from Patinopecten yessoensis. Miyanishi T, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):541-51

Movement of scallop myosin on Nitella actin filaments: regulation by calcium. Vale RD, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6775-8

[Monthly determinations of alkaline phosphatase and heavy metals (zinc, copper) in Venus gallina L.] Carpené E, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):689-95 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Immunocytological localization of a somatostatin-like substance in the brain of the giant slug, Limax maximus L. Marchand CR, et al. **Cell Tissue Res** 1984;238(2):349-53

A modified, prefixed, Golgi-rapid technique for the cephalopod retina. Patterson JA. **J Neurosci Methods** 1985 Jan;12(3):219-25

Chitin helicoids accompany protein helicoids in the periostracum of a whelk, Buccinum. Hunt S, et al. **Tissue Cell** 1984;16(4):565-75

DRUG EFFECTS

Motor and behavioural effects induced by putative neurotransmitter injection into the optic lobe of the cuttlefish, Sepia officinalis. Chichery R, et al. **Comp Biochem Physiol** [C] 1985;80(2):415-9

Acute toxicity of endosulfan 35EC to two freshwater bivalve molluscs from Godavari river at Maharashtra State, India. Mane UH, et al. **Toxicol Lett** 1984 Nov;23(2):147-55

[Pharmacological characteristics of the acetylcholine and L-glutamate receptors of the subpharyngeal ganglion neuron in the mollusk Zachrysia guanensis] Martinez-Soler R, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):312-5 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Polar effects of concanavalin A on the plasma membrane/cytoskeleton complex in a molluscan egg. Dohmen MR, et al. **Cell Biol Int Rep** 1984 Nov;8(11):901

Cell communication compartments in molluscan embryos. Serras F, et al. **Cell Biol Int Rep** 1985 Aug;9(8):731-6

Regional differences in the lateral mobility of plasma membrane lipids in a molluscan embryo. Speksnijder JE, et al. **Dev Biol** 1985 Jul;110(1):207-16

ENZYMOLOGY

Identification of the stable free radical tyrosine residue in ribonucleotide reductase. A sequence comparison. Sjöberg BM, et al. **FEBS Lett** 1985 Apr 8;183(1):99-102

Purification and characterization of a cellulase from Dolabella auricularia. Anzai H, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1381-90

GENETICS

Natural selection for resistance to mercury pollution. Baker R, et al. **Experientia** 1985 May 15;41(5):697-9

IMMUNOLOGY

Role of molluscan lectins in recognition processes. Cheng TC, et al. **Prog Clin Biol Res** 1984;157:1-15

METABOLISM

Effect of chronic and acute lead treatment in the slug Arion ater on calcium and delta-aminolaevulinic acid dehydratase activity. Ireland MP. **Comp Biochem Physiol** [C] 1984; 79(2):287-90

The presence of arsenobetaine in marine animals. Maher WA. **Comp Biochem Physiol** [C] 1985;80(1):199-201

Calcium binding and conformation of regulatory light chains of smooth muscle myosin of scallop. Morita F, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):553-61

Evidence for a tubulin-containing lipid-protein structural complex in ciliary membranes. Stephens RE. **J Cell Biol** 1985 Apr;100(4):1082-90

Cross-phyletic bioactivity of arthropod neurohormones and molluscan ganglion extracts: evidence of an extended peptide family. Greenberg MJ, et al. **J Exp Zool** 1985 Mar; 233(3):337-46

Distribution and characterization of mineral-binding phosphoprotein particles in Bivalvia. Marsh ME, et al. **J Exp Zool** 1985 May;234(2):237-42

The pharmacology of molluscan neurons. Rózsa KS. **Prog Neurobiol** 1984;23(1-2):79-150 (714 ref.)

Distribution of paralytic toxins in California shellfish. Whitefleet-Smith JL, et al. **Toxicon** 1985;23(2):346-9

[Biochemical effects of anaerobiosis in Venus gallina L. and Scapharca inaequivalvis (Bruguiere)] Carpené E, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):707-14 (Eng. Abstr.) **(Ita)**

[Structural characteristics of lysine-rich histone from the sperm of a mollusk Anodonta piscinalis] Rozov SM, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1497-508 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Epidemiologic aspects of salmonellosis in reptiles, amphibians, mollusks and crustaceans—a review. Minette HP. **Int J Zoonoses** 1984 Jun;11(1):95-104 (99 ref.)

[Antigen of hepatitis A virus detected in shellfish using the ELISA test] Zivanović-Marinković V, et al. **Vojnosanit Pregl** 1984 Jul-Aug;41(4):263-5 **(Ser)**

PARASITOLOGY

The possible role of slugs (Agriolimax spp.) in the transmission of infective larvae of Cooperia oncophora. Grønvold J, et al. **J Helminthol** 1984 Sep;58(3):239-40

The presence of Angiostrongylus cantonensis in Viti Levu, Fiji. Uchikawa R, et al. **J Helminthol** 1984 Sep;58(3):231-4

[Influence of infestation by Protostrongyloidea on the geotaxic activity of terrestrial mollusks] Cabaret J. **Ann Parasitol Hum Comp** 1984;59(5):529-30 **(Fre)**

[Distribution of Bithynia inflata molluscs and their infestation with larval trematode forms in opisthorchiasis foci on the left-bank tributaries of the Dnieper] Beér SA, et al. **Med Parazitol (Mosk)** 1984 Nov-Dec;(6):18-22 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Learning: neural analysis in the isolated brain of a previously trained mollusc, Pleurobranchaea californica. Kovac MP, et al. **Brain Res** 1985 Apr 8;331(2):275-84

Opioid systems and feeding in the slug, Limax maximus: similarities to and implications for mammalian feeding. Kavaliers M, et al. **Brain Res Bull** 1985 Jun;14(6):681-5

Half a century of comparative research on biogenic amines and active peptides in amphibian skin and molluscan tissues. Erspamer V. **Comp Biochem Physiol** [C] 1984;79(1):1-7

Potentiation of the 5-hydroxytryptamine-induced increases in myocardial contractility in Mercenaria mercenaria ventricle by forskolin. Paciotti GF, et al. **Comp Biochem Physiol** [C] 1985;80(2):325-9

Control of locomotion in marine mollusc Clione limacina. III. On the origin of locomotory rhythm. Arshavsky YuI, et al. **Exp Brain Res** 1985;58(2):273-84

Control of locomotion in marine mollusc Clione limacina. I. Efferent activity during actual and fictitious swimming. Arshavsky YuI, et al. **Exp Brain Res** 1985;58(2):255-62

Control of locomotion in marine mollusc Clione limacina. II. Rhythmic neurons of pedal ganglia. Arshavsky YuI, et al. **Exp Brain Res** 1985;58(2):263-72

Control of locomotion in marine mollusc Clione limacina. IV. Role of type 12 interneurons. Arshavsky YuI, et al. **Exp Brain Res** 1985;58(2):285-93

Control of locomotion in marine mollusc—Clione limacina. V. Photoinactivation of efferent neurons. Arshavsky YuI, et al. **Exp Brain Res** 1985;59(1):203-5

Stimulation of chemosensory pathways and intracellular alkalinization mimic cAMP activation of endogenous bursting in feeding command neurones. Gillette ML. **J Exp Biol** 1984 Jul;111:239-45

Functional roles and circuitry in an inhibitory pathway to feeding command neurones in Pleurobranchaea. London JA, et al. **J Exp Biol** 1984 Nov;113:423-46

Analysis of contact-rehydration in terrestrial gastropods: absorption of 14C-inulin through the epithelium of the foot. Prior DJ, et al. **J Exp Biol** 1984 Jul;111:75-80

Analysis of contact-rehydration in terrestrial gastropods: osmotic control of drinking behaviour. Prior DJ. **J Exp Biol** 1984 Jul;111:63-73

Cardiac output and tissue blood flow in the abalone, Haliotis cracherodii (Mollusca, Gastropoda). Jorgensen DD, et al. **J Exp Zool** 1984 Sep;231(3):309-24

Neural control of behavioral responses in the nudibranch mollusc Phestilla sibogae. Willows AO. **J Neurobiol** 1985 May;16(3):157-70

Mechanisms of pattern generation underlying swimming in Tritonia. IV. Gating of central pattern generator. Getting PA, et al. **J Neurophysiol** 1985 Feb;53(2):466-80

Neural mechanisms of motor program switching in the mollusc Pleurobranchaea. II. Role of the ventral white cell, anterior ventral, and B3 buccal neurons. Croll RP, et al. **J Neurosci** 1985 Jan;5(1):56-63

Neural mechanisms of motor program switching in the mollusc Pleurobranchaea. I. Central motor programs underlying ingestion, egestion, and the 'neutral' rhythm(s). Croll RP, et al. **J Neurosci** 1985 Jan;5(1):48-55

Neural mechanisms of motor program switching in the mollusc Pleurobranchaea. III. Role fo the paracerebral neurons and other identified brain neurons. Croll RP, et al. **J Neurosci** 1985 Jan;5(1):64-71

Conditioned modification of phototactic behavior in Hermissenda. I. Analysis of light intensity. Crow T. **J Neurosci** 1985 Jan;5(1):209-14

Conditioned modification of phototactic behavior in Hermissenda. II. Differential adaptation of B-photoreceptors. Crow T. **J Neurosci** 1985 Jan; 5(1):215-23

Input and output changes of an identified neural pathway are correlated with associative learning in Hermissenda. Goh Y, et al. **J Neurosci** 1985 Feb;5(2):536-43

A mechanical study of regulation in the striated adductor muscle of the scallop. Simmons RM, et al. **J Physiol (Lond)** 1985 Jan;358:47-64

The utilization of cnidarian nematocysts by aeolid nudibranchs: nematocyst maintenance and release in Spurilla. Greenwood PG, et al. **Tissue Cell** 1984; 16(5):719-30

[Experimental study on the predation of Cionella lubrica Müller by Nesovitrea hammonis Ström] Badie A, et al. **Ann Rech Vet** 1985;16(1):105-9 (Eng. Abstr.) **(Fre)**

[Generation of locomotor rhythms in Limacina helicina] Arshavskiĭ IuI, et al. **Neirofiziologiia** 1985;17(3):397-400 (Eng. Abstr.) **(Rus)**

[Significance of tonic stimuli in shaping conditioned reflexes in mollusks] Logunov DB. **Usp Fiziol Nauk** 1985 Jan-Mar; 16(1):43-61 (65 ref.) **(Rus)**

[Long-term synaptic habituation in snail neurons LPa3 and PPa3] Sokolov EN, et al. **Zh Vyssh Nerv Deiat** 1984 Sep-Oct;34(5):985-7 **(Rus)**

ULTRASTRUCTURE

Membrane particles and gap junctions in the retinas of two species of cephalopods, Octopus ocellatus and Sepiella japonica. Yamamoto M, et al. **Cell Tissue Res** 1984; 237(2):209-18

The ultrastructure of the lens of the cephalopod Sepiola: a scanning electron microscopic study. Willekens B, et al. **Tissue Cell** 1984;16(6):941-50

MOLLUSCACIDES

Laboratory observations of the actions of Glinus lotoides (Fam. Aizoacea) fruit on snail hosts of Fasciola and Schistosoma in Kenya. Broberg G, et al. **Ann Trop Med Parasitol** 1984 Dec;78(6):663

Potent molluscicides from Asparagus. Sati OP, et al. **Pharmazie** 1984 Aug;39(8):581

[Preliminary assay in the laboratory to verify the molluscacidal effect of various species of Brazilian flora] Mendes NM, et al. **Rev Saude Publica** 1984 Oct; 18(5):348-54 (Eng. Abstr.) **(Por)**

ANALYSIS

Sesquiterpene lactones in the molluscidal extract of Eremanthus glomerulatus. Dias Barros DA, et al. **Planta Med** 1985 Feb;(1):38-9

PHARMACODYNAMICS

Some preliminary observations on the molluscicidal property of Alternathera sessilis (Amaranthaceae) [letter] Ndifon GT, et al. **Trans R Soc Trop Med Hyg** 1984;78(5):706-7

[Chemoprophylaxis of schistosomiasis: molluscacidal activity of natural products—assays with adult snails and oviposition] de Souza CP, et al. **An Acad Bras Cienc** 1984 Sep;56(3):333-8 (Eng. Abstr.) **(Por)**

TOXICITY

Correlation of the anticholinesterase and molluscicidal activity of the latex of Euphorbia royleana on the snail Lymnaea acuminata. Singh DK, et al. **J Nat Prod** 1984 Jul-Aug;47(4):702-5

The toxicology of plant molluscicides. Duncan J. **Pharmacol Ther** 1985;27(2):243-64 (163 ref.)

MOLLUSCUM CONTAGIOSUM

COMPLICATIONS

Molluscum contagiosum occurring in an epidermal cyst on the eyelid. Light and electron-microscopic studies with literature review. Ueyama Y, et al. **Acta Pathol Jpn** 1985 Jan;35(1):193-8

DIAGNOSIS

Molluscum contagiosum diagnosed in a cytologic smear [letter] Oppedal BR. **Acta Cytol (Baltimore)** 1985 May-Jun; 29(3):501

Cutaneous cryptococcosis resembling molluscum contagiosum in a patient with AIDS. Rico MJ, et al. **Arch Dermatol** 1985 Jul;121(7):901-2

Molluscum contagiosum, another sexually transmitted disease: its impact on the clinical virology laboratory [letter] Dennis J, et al. **J Infect Dis** 1985 Feb;151(2):376

ETIOLOGY

Molluscum contagiosum and the acquired immunodeficiency syndrome [letter] Katzman M, et al. **Ann Intern Med** 1985 Mar;102(3):413-4

Molluscum contagiosum and the acquired immunodeficiency syndrome [letter] Lombardo PC. **Arch Dermatol** 1985 Jul; 121(7):834-5

An epidemic study of molluscum contagiosum. Relationship to swimming. Niizeki K, et al. **Dermatologica** 1984; 169(4):197-8

[The problem of warts and molluscum contagiosum in swimming pools] Lopez Pila JM. **Schriftenr Ver Wasser Boden Lufthyg** 1984;58:97-102 **(Ger)**

PATHOLOGY

Molluscum contagiosum may affect primarily the epidermis without involving hair follicles. Legrain A, et al. **Am J Dermatopathol** 1985 Apr;7(2):131-2

Molluscum contagiosum (in conjunctiva). Sinha TR, et al. **Indian J Ophthalmol** 1984 Mar-Apr;32(2):115

Molluscum contagiosum occurring in an epidermoid cyst. Aloi FG, et al. **J Cutan Pathol** 1985 Apr;12(2):163-5

Molluscum contagiosum of the oral mucosa. Laskaris G, et al. **Oral Surg Oral Med Oral Pathol** 1984 Dec;58(6):688-91

[Molluscum contagiosum] van Dijk E. **Ned Tijdschr Geneeskd** 1984 Sep 22;128(38):1802-6 **(Dut)**

[Molluscum contagiosum in a cystically dilated follicular infundibulum] Wätzig V. **Z Hautkr** 1985 Mar 1; 60(5):468-70 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Thicker clothing of long-distance runners protects against molluscum contagiosum] Nordin P, et al. **Lakartidningen** 1985 May 29;82(22):2081-3 **(Swe)**

MOLLUSK VENOMS

A proposal for the structure of conotoxin--a potent antagonist of the nicotinic acetylcholine receptor. Hider RC. **FEBS Lett** 1985 May 20;184(2):181-4

ANALYSIS

A common antigenic determinant found in two functionally unrelated toxins. Gariepy J, et al. **J Exp Med** 1984 Oct 1;160(4):1253-8

ISOLATION & PURIFICATION

Purification and sequence of a presynaptic peptide toxin from Conus geographus venom. Olivera BM, et al. **Biochemistry** 1984 Oct 23;23(22):5087-90

METABOLISM

Brain nicotinic acetylcholine receptors. Biochemical characterization by neosurugatoxin. Yamada S, et al. **Mol Pharmacol** 1985 Aug;28(2):120-7

PHARMACODYNAMICS

Conus geographus toxins that discriminate between neuronal and muscle sodium channels. Cruz LJ, et al. **J Biol Chem** 1985 Aug 5;260(16):9280-8

Postsynaptic block of frog neuromuscular transmission by conotoxin GI. McManus OB, et al. **J Neurosci** 1985 Jan; 5(1):110-6

A sleep-inducing peptide from Conus geographus venom. Olivera BM, et al. **Toxicon** 1985;23(2):277-82

TOXICITY

Occurrence of a tetrodotoxin-like compound in the eggs of the venomous blue-ringed octopus (Hapalochlaena maculosa). Sheumack DD, et al. **Toxicon** 1984;22(5):811-2

[Demonstration and purification of the toxin from Conus tessulatus. Toxicity in the crab Carcineus maenas and in muscle tissue from the guinea pig] Randimbivololona N, et al. **Arch Inst Pasteur Madagascar** 1984;51(1):275-84 **(Fre)**

[An estimation of the most dangerous species of cone shell, Conus (Gastridium) geographus Linne, 1758, venom's lethal dose in humans] Yoshiba S. **Nippon Eiseigaku Zasshi** 1984 Jun;39(2):565-72 (Eng. Abstr.) **(Jpn)**

[Effect of ligation as an effective treatment for Conus-sting especially due to geographur cone, Conus (Gastridium) geographus Linne, 1758] Yoshiba S. **Nippon Eiseigaku Zasshi** 1984 Jun;39(2):555-64 (Eng. Abstr.) **(Jpn)**

MOLONEY LEUKEMIA VIRUS

Sex and H-2 haplotype control the resistance of CBA-BALB hybrids to the induction of T cell lymphoma by Moloney leukemia virus. Storch TG, et al. **J Immunol** 1984 Nov; 133(5):2797-800

Proliferation of infected lymphoid precursors before Moloney murine leukemia virus-induced T-cell lymphoma. Storch TG, et al. **JNCI** 1985 Jan;74(1):137-43

ANALYSIS

Quantitative separation of murine leukemia virus proteins by reversed-phase high-pressure liquid chromatography reveals newly described gag and env cleavage products. Henderson LE, et al. **J Virol** 1984 Nov;52(2):492-500

DRUG EFFECTS

Effect of N-methylisatin-beta-4':4'-diethylthiosemicarbazone on intracellular Moloney leukemia virus constituents. Ronen D, et al. **Antiviral Res** 1985 Aug;5(4):249-54

Cordycepin reduces the sensitivity of BALB/Mo mouse lymphocytes to the induction of sister chromatid exchanges. Majone F, et al. **Carcinogenesis** 1985 Jan; 6(1):131-4

ENZYMOLOGY

Purification and characterization of murine retroviral reverse transcriptase expressed in Escherichia coli. Roth MJ, et al. **J Biol Chem** 1985 Aug 5;260(16):9326-35

In vitro cleavage of Pr65gag by the Moloney murine leukaemia virus proteolytic activity yields p30 whose NH2-terminal sequence is identical to virion p30. Yoshinaka Y, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):379-83

Expression of enzymatically active reverse transcriptase in Escherichia coli. Tanese N, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):4944-8

GENETICS

Mutants and pseudorevertants of Moloney murine leukemia virus with alterations at the integration site. Colicelli J, et al. **Cell** 1985 Sep;42(2):573-80

Integration of transfected LTR sequences into the c-raf proto-oncogene: activation by promoter insertion. Mölders H, et al. **EMBO J** 1985 Mar;4(3):693-8

Close structural resemblance between putative polymerase of a Drosophila transposable genetic element 17.6 and pol gene product of Moloney murine leukaemia virus. Toh H, et al. **EMBO J** 1985 May;4(5):1267-72

A 3' end fragment encompassing the transcriptional enhancers of nondefective Friend virus confers erythroleukemogenicity on Moloney leukemia virus. Chatis PA, et al. **J Virol** 1984 Oct;52(1):248-54

A deletion mutation in the 5' part of the pol gene of Moloney murine leukemia virus blocks proteolytic processing of the gag and pol polyproteins. Crawford S, et al. **J Virol** 1985 Mar;53(3):899-907

Mapping the viral sequences conferring leukemogenicity and disease specificity in Moloney and amphotropic murine leukemia viruses. DesGroseillers L, et al. **J Virol** 1984 Nov; 52(2):448-56

Generation of a recombinant Moloney murine leukemia virus carrying the v-src gene of avian sarcoma virus: transformation in vitro and pathogenesis in vivo. Feuerman MH, et al. **J Virol** 1985 Jun;54(3):804-16

Generation of a uniform 3' end RNA of murine leukemia virus. Honigman A, et al. **J Virol** 1985 Jan;53(1):330-4

Reverse transcription of retroviral genomes: mutations in the terminal repeat sequences. Lobel LI, et al. **J Virol** 1985 Feb;53(2):447-55

Generation of glucocorticoid-responsive Moloney murine leukemia virus by insertion of regulatory sequences from murine mammary tumor virus into the long terminal repeat. Overhauser J, et al. **J Virol** 1985 Apr;53(4):133-44

Concerted DNA rearrangements in Moloney murine leukemia virus-induced thymomas: a potential synergistic relationship in oncogenesis. Tsichlis PN, et al. **J Virol** 1985 Oct;56(1):258-67

Envelope gene and long terminal repeat determine the different biological properties of Rauscher, Friend, and Moloney mink cell focus-inducing viruses. Vogt M, et al. **J Virol** 1985 Jul;55(1):184-92

A 1.6-kilobase-pair fragment in the genome of the ts1 mutant of Moloney murine leukemia virus TB that is associated with temperature sensitivity, nonprocessing of Pr80env, and paralytogenesis. Yuen PH, et al. **J Virol** 1985 May; 54(2):364-73

Molecular cloning of two paralytogenic, temperature-sensitive mutants, ts1 and ts7, and the parental wild-type Moloney murine leukemia virus. Yuen PH, et al. **J Virol** 1985 Apr;53(4):178-85

A temperature-sensitive mutation constructed by 'linker insertion' mutagenesis. Colicelli J, et al. **MGG** 1985; 199(3):537-9

Role of intron-contained sequences in formation of moloney murine leukemia virus env mRNA. Hwang LS, et al. **Mol Cell Biol** 1984 Nov;4(11):2289-97

Mapping of DNase I-hypersensitive sites in the 5' and 3' long terminal repeats of integrated moloney murine leukemia virus proviral DNA. Thompson T, et al. **Mol Cell Biol** 1985 Apr;5(4):601-9

Retrovirus-induced de novo methylation of flanking host sequences correlates with gene inactivity. Jähner D, et al. **Nature** 1985 Jun 13-19;315(6020):594-7

The MLV and SV40 enhancers have a similar pattern of transcriptional activation. Augereau P, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8801-18

Friend and Moloney murine leukemia viruses specifically recombine with different endogenous retroviral sequences to generate mink cell focus-forming viruses. Evans LH, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):459-63

Replication-competent Moloney murine leukemia virus carrying a bacterial suppressor tRNA gene: selective cloning of proviral and flanking host sequences. Reik W, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1141-5

Isolation of embryonal carcinoma cell lines that express integrated recombinant genes flanked by the Moloney murine leukemia virus long terminal repeat. Taketo M, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2422-6

Murine leukemia virus protease is encoded by the gag-pol gene and is synthesized through suppression of an amber termination codon. Yoshinaka Y, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1618-22

Activation of the c-myb locus by viral insertional mutagenesis in plasmacytoid lymphosarcomas. Shen-Ong GL, et al. **Science** 1984 Nov 30;226(4678):1077-80

GROWTH & DEVELOPMENT

ts1, a Paralytogenic mutant of Moloney murine leukemia virus TB, has an enhanced ability to replicate in the central nervous system and primary nerve cell culture. Wong PK, et al. **J Virol** 1985 Sep;55(3):760-7

Murine leukemia virus maturation: protease region required for conversion from 'immature' to 'mature' core form and for virus infectivity. Katoh I, et al. **Virology** 1985 Sep; 145(2):280-92

IMMUNOLOGY

Vaccination of adult and newborn mice of a resistant strain (C57BL/6J) against challenge with leukemias induced by Moloney murine leukemia virus. Reif AE. **Cancer Res** 1985 Jan;45(1):25-31

Characterization of gP85gag as an antigen recognized by Moloney leukemia virus-specific cytolytic T cell clones that function in vivo. van der Hoorn FA, et al. **J Exp Med** 1985 Jul 1;162(1):128-44 (59 ref.)

Expression and CTL recognition of cloned subgenomic fragments of Moloney murine leukemia virus in murine cells. Flyer DC, et al. **Surv Immunol Res** 1985;4(2):168-72

METABOLISM

Inhibition of the synthesis of Moloney leukemia virus structural proteins by N-methylisatin-beta-4',4'-diethylthiosemicarbazone. Ronen D, et al. **Antimicrob Agents Chemother** 1984 Dec; 26(6):913-6

PATHOGENICITY

Different genes control the susceptibility of mice to Moloney or Abelson murine leukemia viruses. Risser R, et al. **J Virol** 1985 Sep;55(3):547-53

PHYSIOLOGY

Regulation of Moloney murine leukemia virus replication in chronically infected cells arrested at the G0/G1 phase. Gloger I, et al. **J Virol** 1985 Jun;54(3):844-50

MOLONEY SARCOMA VIRUS see under **MOUSE SARCOMA VIRUSES**

MOLTING HORMONE see **ECDYSONE**

MOLYBDENUM

Determination of inorganic phosphate with molybdate and Triton X-100 without reduction. Kyaw A, et al. **Anal Biochem** 1985 Mar;145(2):230-4

Studies by electron-paramagnetic-resonance spectroscopy of the environment of the metal in the molybdenum cofactor of molybdenum-containing enzymes. Hawkes TR, et al. **Biochem J** 1984 Sep 15;222(3):587-600

Chemistry and biology of the molybdenum cofactor. Rajagopalan KV. **Biochem Soc Trans** 1985 Apr;13(2):401-3

Determination of proteins by using the color reaction with pyrocatechol violet-molybdenum(VI) complex. Fujita Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):4161-4

Analysis of two forms of molybdate-stabilized estrogen receptor. Ruh MF, et al. **Endocrinology** 1984 Oct; 115(4):1341-9

The reaction of arsenite-complexed xanthine oxidase with oxygen. Evidence for an oxygen-reactive molybdenum center. Stewart RC, et al. **J Biol Chem** 1985 Jul 25; 260(15):8892-904

Effects of molybdenum on the organism (a review). Lener J, et al. **J Hyg Epidemiol Microbiol Immunol** 1984; 28(4):405-19 (133 ref.)

Comparison of the physical characteristics of the molybdate-stabilized glucocorticoid receptor from rat, pig and human tissues. Weatherill PJ, et al. **J Steroid Biochem** 1984 Sep;21(3):287–91

Fixation of horseradish peroxidase reaction products with ammonium molybdate. Fujii M, et al. **Neurosci Res** 1984 Apr;1(2):153–6

ANALYSIS

Anaerobic multiphasic gel electrophoresis of the molybdoproteins in extracts of Clostridium pasteurianum. Hinton SM, et al. **Anal Biochem** 1985 Mar;145(2):222–9

Solvent extraction of molybdenum from biological samples and from coal fly ash for neutron activation analysis. Mok WM, et al. **Anal Chem** 1984 Nov;56(13):2623–4

Evaluation of methods for the determination of total molybdenum and vanadium in foodstuffs using spectrophotometric measurements. Evans WH, et al. **Analyst** 1985 Jun;110(6):681–7

BIOSYNTHESIS

Biosynthesis and metabolism of tetrahydrobiopterin and molybdopterin. Nichol CA, et al. **Annu Rev Biochem** 1985; 54:729–64 (344 ref.)

BLOOD

[Metabolic characteristics of 99Mo in the blood] Shvydko NS, et al. **Gig Sanit** 1985 Jun;(6):85–7 **(Rus)**

DEFICIENCY

Anatomo-pathological findings in a case of combined deficiency of sulphite oxidase and xanthine oxidase with a defect of molybdenum cofactor. Roth A, et al. **Virchows Arch** [A] 1985;405(3):379–86

METABOLISM

In vitro reconstitution of nitrate reductase activity of the Neurospora crassa mutant nit-1: specific incorporation of molybdopterin. Kramer S, et al. **Arch Biochem Biophys** 1984 Sep;233(2):821–9

Characteristics of N2 fixation in Mo-limited batch and continuous cultures of Azotobacter vinelandii. Eady RR, et al. **Biochem J** 1984 Dec 15;224(3):853–62

Complexes with halide and other anions of the molybdenum centre of nitrate reductase from Escherichia coli. George GN, et al. **Biochem J** 1985 May 1;227(3):925–31

Identification of molybdoproteins in Clostridium pasteurianum. Hinton SM, et al. **J Bacteriol** 1985 May; 162(2):477–84

Regulation and order of involvement of molybdoproteins during synthesis of molybdoenzymes in Clostridium pasteurianum. Hinton SM, et al. **J Bacteriol** 1985 May; 162(2):485–93

Effects of copper sulfate supplement on growth, tissue concentration, and ruminal solubilities of molybdenum and copper in sheep fed low and high molybdenum diets. Ivan M, et al. **J Dairy Sci** 1985 Apr;68(4):891–6

Formate dehydrogenase molybdenum and tungsten sites—observation by EXAFS of structural differences. Cramer SP, et al. **J Inorg Biochem** 1985 Feb;23(2):119–24

Molybdate reduction by Escherichia coli K-12 and its chl mutants. Campbell AM, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):227–31

PHARMACODYNAMICS

Effects of casting temperature on some properties of Co-Cr-Mo dental casting alloys. Herø H. **Acta Odontol Scand** 1984 Dec;42(6):371–7

Molybdate and the 1,25-dihydroxyvitamin D3 receptor from chick intestine. Nakada M, et al. **Arch Biochem Biophys** 1985 May 1;238(2):517–21

Salt-induced transformation of the glucocorticoid-receptor complex in the presence of molybdate. Weatherill PJ, et al. **Biochim Biophys Acta** 1985 May 8;839(3):228–32

Protective effect of molybdenum on the acute toxicity of mercuric chloride. III. Koizumi T, et al. **Chem Pharm Bull (Tokyo)** 1984 Jun;32(6):2316–24

Interaction of molybdenum, sulfate and alfalfa in the bovine. Lesperance AL, et al. **J Anim Sci** 1985 Mar;60(3):791–802

Mol- mutants of Klebsiella pneumoniae requiring high levels of molybdate for nitrogenase activity. Imperial J, et al. **J Bacteriol** 1985 Sep;163(3):1285–7

Activation of the rat liver cytosol glucocorticoid receptor by sephacryl S-300 filtration in the presence and absence of molybdate. Physical properties of the receptor and evidence for an activation inhibitor. Distelhorst CW, et al. **J Biol Chem** 1985 Feb 25;260(4):2153–9

Degradation without apparent change in size of molybdate-stabilized nonactivated glucocorticoid-receptor complexes in rat thymus cytosol. Mendel DB, et al. **J Biol Chem** 1985 Jul 25;260(15):8736–40

Effects of ATP, vanadate, and molybdate on cathepsin D-catalyzed proteolysis. Pillai S, et al. **J Biol Chem** 1985 Jul 15;260(14):8384–9

Electrophoretic analysis of the estrogen receptor. Molybdate stabilization and identification of the classical estrogen receptor. Skipper JK, et al. **J Biol Chem** 1985 May 10; 260(9):5399–405

Inhibition of ceruloplasmin and other copper oxidases by thiomolybdate. Chidambaram MV, et al. **J Inorg Biochem** 1984 Dec;22(4):231–40

Biochemical studies on a novel vanadate- and molybdate-sensitive acid phosphatase from human epidermis. Mäkinen PL. **J Invest Dermatol** 1985 Aug; 85(2):118–24

Exchange assay for androgen receptors in the presence of molybdate. Carroll SL, et al. **J Steroid Biochem** 1984 Oct; 21(4):353–9

Molybdate-sensitive and molybdate-resistant activation-labile glucocorticoid-receptor mutants of the human lymphoid cell line CEM-C7. Harmon JM, et al. **J Steroid Biochem** 1984 Sep;21(3):227–36

Influence of phosphatase inhibitors and nucleotides on [3H]dexamethasone binding in cytosol of human placenta. Heller C, et al. **J Steroid Biochem** 1984 Oct;21(4):381–6

Interaction of the antiestrogen [3H]H1285 with the two forms of the molybdate-stabilized calf uterine estrogen receptor. Keene JL, et al. **J Steroid Biochem** 1984 Dec;21(6):625–31

Activation of [3H]estradiol—and [3H]H1285-receptor complexes: effect of salt versus ATP on molybdate-stabilized estrogen receptors. Singh RK, et al. **J Steroid Biochem** 1984 Aug;21(2):205–8

Effects of molybdenum and tungsten on mammary carcinogenesis in SD rats. Wei HJ, et al. **JNCI** 1985 Feb; 74(2):469–73

[Effect of molybdenum on the activity of cytochrome P-450 and demethylase in the liver of rats] Lu SX. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):257–9 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

X-ray microanalysis of liver and kidney in copper loaded sheep with and without thiomolybdate administration. Jones HB, et al. **Res Vet Sci** 1984 Nov;37(3):273–82

MOLYBDOFERREDOXIN see under **FERREDOXINS**

MONACTIN see under **ANTIBIOTICS**

MONENSIN see under **FURANS**

MONGOLISM see **DOWN'S SYNDROME**

MONGOLOID RACE

Origins and affinities of Japanese viewed from cranial measurements. Hanihara K. **Acta Anthropogenet** 1984; 8(1-2):149–58

Pigmentation of plica and lacrymal caruncle. Prevalence among Caucasians, Eskimos, and Japanese. Norn M. **Acta Ophthalmol (Copenh)** 1984 Dec;62(6):939–43

Two arrangements of the human fetal globin genes may be responsible for high G gamma values in Chinese newborns: -G gamma-G gamma-delta-beta and -G gamma-A gamma G gamma-A gamma-delta-beta. Harano T, et al. **Am J Hematol** 1985 Aug;19(4):349–53

Genetic markers of an aboriginal Taiwanese population. Chen KH, et al. **Am J Phys Anthropol** 1985 Mar;66(3):327–37

Single-dose pharmacokinetics of ceftriaxone in healthy Chinese adults. Zhou HH, et al. **Antimicrob Agents Chemother** 1985 Feb;27(2):192–6

Westernization of the Asian eyelid. Matsunaga RS. **Arch Otolaryngol** 1985 Mar;111(3):149–53

HLA and nasopharyngeal carcinoma in Malays. Chan SH, et al. **Br J Cancer** 1985 Mar;51(3):389–92

Genetic polymorphism of mephenytoin p(4')-hydroxylation: difference between Orientals and Caucasians. Jurima M, et al. **Br J Clin Pharmacol** 1985 Apr;19(4):483–7

BamH I polymorphism in the Chinese: its potential usefulness in prenatal diagnosis of beta thalassaemia. Chan V, et al. **Br Med J [Clin Res]** 1984 Oct 13;289(6450):947–8

Studies on the marker gene, Gm st, characteristic of Mongoloid populations. Matsumoto H. **Bull Osaka Med Sch [Suppl]** 1984 Dec;14:77–89

Ethnic contact urticaria to alcohol. Wilkin JK, et al. **Contact Dermatitis** 1985 Feb;12(2):118–20

Aldehyde dehydrogenase isozymes in stomach autopsy specimens from Germans and Chinese. Meier-Tackmann D, et al. **Enzyme** 1984;32(3):170–7

Genetic relationships between Indians and their neighboring populations. Roychoudhury AK, et al. **Hum Hered** 1985; 35(4):201–6

The urinary excretory pattern of nitrogenous wastes and electrolytes in normal Thai. Indraprasit S, et al. **J Med Assoc Thai** 1984 Aug;67(8):419–24

Denver Developmental Screening Test: cultural variables [letter] Fung KP, et al. **J Pediatr** 1985 Feb;106(2):343

HLA typing of Japanese patients with Creutzfeldt-Jakob disease: significant association with HLA-DQw3 [letter] Kuroda Y, et al. **N Engl J Med** 1985 Apr 25;312(17):1128

HLA and filariasis in Sri Lankans and Indians. Chan SH, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):281–6

Serological evidence of schistosomiasis among Orang Asli from three areas of Peninsular Malaysia. Greer GJ, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):303–12

The rhesus blood group in Taiwan. Chu ML. **Taiwan I Hsueh Hui Tsa Chih** 1984 Aug;83(8):796–9

Longitudinal study of carbohydrate metabolism in Chinese. Hsu CJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Nov; 83(11):1069–75

Steady-state serum levels of anticonvulsant drugs in Chinese epileptic patients living in Taiwan. Lai ML. **Ther Drug Monit** 1985;7(1):83–6

HLA-linked genetic markers in Koreans. Kim JD, et al. **Yonsei Med J** 1983;24(2):127–31

[HLA antigens of insulin-dependent diabetes mellitus in Chinese] Ye GY. **Chung Hua Nei Ko Tsa Chih** 1984 Aug; 23(8):469–71, 524 (Eng. Abstr.) **(Chi)**

[Stereoscopic acuity of 473 cases of normal Chinese preschool children] Zhang LL. **Chung Hua Yen Ko Tsa Chih** 1984 May;20(3):150–1 **(Chi)**

[Radiographic research on skeletal measurements and morphology of normal hand of Japanese. Part One: Adult] Kamata M, et al. **Nippon Seikeigeka Gakkai Zasshi** 1985 Feb;59(2):141–51 (Eng. Abstr.) **(Jpn)**

[The effect of HbF on the determination of HbA1 by a minicolumn method and the frequency of HbF persistence among adult Japanese] Kiyose H, et al. **Rinsho Byori** 1984 Oct;32(10):1148–54 **(Jpn)**

[Population genetic studies of hemoglobinopathies in Uzbekistan. Report 1. Prevalence of hemoglobinopathies in 5 districts of the Uzbek S.S.R.] Gal'kavtseva RF, et al. **Gematol Transfuziol** 1984 Dec;29(12):38–43 (Eng. Abstr.) **(Rus)**

[Population genetics of taiga hunters-deer breeders. Characteristics of the prevalence of HLA system markers among the native population of Central Siberia] Rychkov IuG, et al. **Genetika** 1985 May;21(5):861–7 (Eng. Abstr.) **(Rus)**

[Adaptive changes in the microcirculation of the conjunctival blood vessels in different Chukchi tribes] Lantukh VV, et al. **Vestn Oftalmol** 1984 Nov-Dec;(6):58–60 (Eng. Abstr.) **(Rus)**

MONGOOSE see under **CARNIVORA**

MONILIA see **CANDIDA**

MONILIALES

Wangiella dermatitidis endocarditis in an intravenous drug user. Vartian CV, et al. **Am J Med** 1985 Apr;78(4):703–7

The effects of intravenous miconazole on fungal keratitis. Ishibashi Y, et al. **Am J Ophthalmol** 1984 Oct 15;98(4):433–7

Beauvaria bassiana keratitis. Sachs SW, et al. **Br J Ophthalmol** 1985 Jul;69(7):548–50

Paecilomyces varioti pneumonia complicating hairy cell leukaemia. Dharmasena FM, et al. **Br Med J [Clin Res]** 1985 Mar 30;290(6473):967–8

Frontal sinusitis caused by Myriodontium keratinophilum. Maran AG, et al. **Br Med J [Clin Res]** 1985 Jan 19; 290(6463):207

White piedra. A frequently misdiagnosed infection of hair. Gold I, et al. **Int J Dermatol** 1984 Nov;23(9):621–3

Mycotic keratitis in a dog: concurrent Aspergillus sp and Curvularia sp infections. Qualls CW Jr, et al. **J Am Vet Med Assoc** 1985 May 1;186(9):975–6

Fatal fungemia with arthritic involvement caused by Trichosporon beigelii in a bone marrow transplant recipient [letter] Gardella S, et al. **J Infect Dis** 1985 Mar;151(3):566

Acremonium kiliense osteomyelitis of the calvarium. Brabender W, et al. **Neurosurgery** 1985 Apr;16(4):554–6

Opportunistic Scopulariopsis pneumonia in an immunocompromised host. Wheat LJ, et al. **South Med J** 1984 Dec;77(12):1608–9

[Pathomorphology of stachybotryotoxicosis in calves during the nursing period] Dzhurov A, et al. **Vet Med Nauki** 1984; 21(7-8):49–56 (Eng. Abstr.) **(Bul)**

[Fungal mycotic aneurysms and multiple cerebral abscesses caused by Scedosporium apiospermum. Apropos of a case with review of the literature] Baudrillard JC, et al. **J Radiol** 1985 Apr;66(4):321–6 (Eng. Abstr.) **(Fre)**

ANALYSIS

Isolation and purification of canadaphore, a siderophore produced by Helminthosporium carbonum. Letendre ED, et al. **Biochem Biophys Res Commun** 1985 May 31; 129(1):262–7

Trichotoxin A40. Purification by counter-current distribution and sequencing of isolated fragments. Brückner H, et al. **Biochim Biophys Acta** 1985 Jan 21;827(1):51–62

Alteichin: an unusual phytotoxin from Alternaria eichorniae, a fungal pathogen of water hyacinth. Robeson D, et al. **Experientia** 1984 Nov 15;40(11):1248–50

The isolation and identification of trichothecene metabolites from a plant pathogenic strain of Myrothecium roridum. Bean GA, et al. **J Nat Prod** 1984 Jul-Aug;47(4):727–9

CLASSIFICATION

Blastobotrys, Sporothrix and Trichosporiella: generic delimitation, new species, and a Stephanoascus teleomorph. de Hoog GS, et al. **Antonie Van Leeuwenhoek** 1985; 51(1):79–109

Carbohydrate patterns and taxonomy of Sporothrix and Blastobotrys. Weijman AC, et al. **Antonie Van Leeuwenhoek** 1985;51(1):111–20

Phaeoannellomyces and the Phaeococcomycetaceae, new dematiaceous blastomycete taxa. McGinnis MR, et al. **Sabouraudia** 1985 Jun;23(3):179–88

CYTOLOGY

Subcutaneous phaeohyphomycosis caused by Moniliella suaveolens in two cats. McKenzie RA, et al. **Vet Pathol** 1984 Nov;21(6):582-6

DRUG EFFECTS

Antimicrobial activities of N-chloramines and diazolidinyl urea. Llabres CM, et al. **Appl Environ Microbiol** 1985 Feb; 49(2):370-3

Biological activity of 4-hydroxyisophthalic acid derivatives. II. Anilides with antimicrobial activity. Piscopo E, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2273-9

Chemical seed treatment for Alternaria blight of Brassica juncea. Gaur RB, et al. **Hindustan Antibiot Bull** 1984 Aug-Nov;26(3-4):109-13

Growth of bacteria on chitin, fungal cell walls and fungal biomass, and the effect of extracellular enzymes produced by these cultures on the antifungal activity of amphotericin B. Oranusi NA, et al. **Microbios** 1985;43(172):17-30

[Effect of phosphate and inhibitors of protein synthesis on the growth and tentoxin production of Alternaria alternata (Fr.) Keissler] Edel B, et al. **J Basic Microbiol** 1985; 25(3):155-60 (Eng. Abstr.) **(Ger)**

[Inhibition of extracellular yeast proteinases by pepstatin A and leupeptin in the plate test] Schönborn C, et al. **Mykosen** 1985 Mar;28(3):117-8, 123-6 (Eng. Abstr.) **(Ger)**

[Microbiotest with Cladosporium cucumerinum Ell. and Arth. for the detection of fungitoxic compounds on thin-layer plates] Gottstein D, et al. **Z Gesamte Hyg** 1984 Nov;30(11):620-1 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Extracellular proteinases of the isolate of Botrytis cinerea virulent to apple tissues. Urbanek H, et al. **Acta Biochim Pol** 1985;32(2):101-9

Function of carbohydrate moiety in acid phosphatase of Rhodotorula glutinis. Watorek W, et al. **Acta Biochim Pol** 1984;31(2):217-21

Cellulases of Trichoderma longibrachiatum mutants. Sandhu DK, et al. **Acta Microbiol Pol** 1985;34(1):33-8

Enzyme stability and glucose inhibition in cellulose saccharification. Cantarella M, et al. **Ann NY Acad Sci** 1984; 434:39-43

The cytochrome P450-containing monooxygenase of Trichosporon cutaneum: occurrence and properties. Laurila H, et al. **Arch Microbiol** 1984 Dec;140(2-3):257-9

Properties of a membrane-associated benzoate-4-hydroxylase from Rhodotorula graminis. McNamee CG, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):485-92

The disulphide bridges in a cellobiohydrolase and an endoglucanase from Trichoderma reesei. Bhikhabhai R, et al. **Biochem J** 1984 Sep 15;222(3):729-36

High-resolution proton nuclear magnetic resonance spectroscopy of chloride peroxidase: identification of new forms of the enzyme. Goff HM, et al. **Biochemistry** 1985 Feb 12;24(4):1007-13

Proteinase K from Tritirachium album limber. I. Molecular mass and sequence around the active site serine residue. Jany KD, et al. **Biol Chem Hoppe Seyler** 1985 May; 366(5):485-92

Studies of the cellulolytic system of Trichoderma reesei QM 9414. Reaction specificity and thermodynamics of interactions of small substrates and ligands with the 1,4-beta-glucan cellobiohydrolase II. van Tilbeurgh H, et al. **Eur J Biochem** 1985 Apr 15;148(2):329-34

Isolation of cellulolytic enzymes from Trichoderma reesei QM 9414. Bhikhabhai R, et al. **J Appl Biochem** 1984 Oct-Dec;6(5-6):336-45

Enzymology of the beta-ketoadipate pathway in Trichosporon cutaneum. Powlowski JB, et al. **J Bacteriol** 1985 Sep;163(3):1136-41

Identification of two alpha-ketoglutarate-dependent dioxygenases in extracts of Rhodotorula glutinis catalyzing deoxyuridine hydroxylation. Stubbe J. **J Biol Chem** 1985 Aug 25;260(18):9972-5

[Synthesis of sesquiterpene metabolites in a Trichothecium roseum culture] Maksimova RA, et al. **Biol Nauki** 1985; (6):96-9 (Eng. Abstr.) **(Rus)**

[Use of a column chromatographic method for obtaining a thrombolytic preparation from the culture broth of the fungus Trichothecium roseum] Gavrilov OK, et al. **Gematol Transfuziol** 1985 Jan;30(1):56-8 **(Rus)**

GENETICS

Regulation of phenylalanine ammonia lyase in Rhodotorula glutinis. Kane JF, et al. **J Bacteriol** 1985 Mar;161(3):963-6

[Variability of cultures of Pullularia pullulans with different ploidy levels] Imshenetskii AA, et al. **Mikrobiologiia** 1985 Mar-Apr;54(2):233-8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The induction of mycelial development in Aureobasidium pullulans (IMI 45533) by yeast extract. Cooper LA, et al. **Antonie Van Leeuwenhoek** 1984;50(3):249-60

Improved enumeration of Trichoderma spp. on dilution plates of selective media containing a nonionic surfactant. Benson DM. **Can J Microbiol** 1984 Sep;30(9):1193-5

Effect of Calcofluor white and Congo red on fungal cell wall morphogenesis: in vivo activation of chitin polymerization. Roncero C, et al. **J Bacteriol** 1985 Sep; 163(3):1180-5

Laboratory experiments to evaluate the ability of Arthrobotrys oligospora to destroy infective larvae of Cooperia species, and to investigate the effect of physical factors on the growth of the fungus. Grønvold J, et al. **J Helminthol** 1985 Jun;59(2):119-25

[Growth and biotin synthesis of Sporobolomyces pararoseus and Rhizopus delemar under different substrate ratios] Altukhova EA, et al. **Mikrobiologiia** 1984 Jul-Aug; 53(4):595-9 (Eng. Abstr.) **(Rus)**

[Simultaneous cultivation of the fungi Trichoderma longibrachiatum and Endomycopsis fibuligera] Gavristov AV, et al. **Mikrobiologiia** 1985 Mar-Apr;54(2):274-9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Diagnosis and immunotherapy of mould allergy. II. Reproducibility and relationship between skin sensitivity estimated by end-point titration and histamine equivalent reaction using skin prick test and intradermal test. Malling HJ. **Allergy** 1985 Jul;40(5):354-62

Allergic bronchopulmonary curvulariosis. Halwig JM, et al. **Am Rev Respir Dis** 1985 Jul;132(1):186-8

High-performance liquid chromatography of Cladosporium herbarum. Identification of allergens with immunological techniques. Landmark E, et al. **Int Arch Allergy Appl Immunol** 1985;78(1):71-6

Studies on Alternaria allergens. V. Comparative biochemical and immunological studies of three isolates of Alternaria tenuis cultured on synthetic media. Vijay HM, et al. **Int Arch Allergy Appl Immunol** 1985;78(1):37-42

Cryptococcal latex antigen test positive in patient with Trichosporon beigelii infection [letter] Campbell CK, et al. **Lancet** 1985 Jul 6;2(8445):43-4

Spaetlese lung [letter] Kummer F, et al. **N Engl J Med** 1984 Nov 1;311(18):1190

Antigenic relationships among Cladosporium species of medical importance. Honbo S, et al. **Sabouraudia** 1984; 22(4):301-10

ISOLATION & PURIFICATION

'A contribution towards the study of Madrid air mycoflora. II. Genus Cladosporium'. Payá Vicens MJ, et al. **Allergol Immunopathol (Madr)** 1984 Sep-Oct;12(5):397-402

Infection of the olecranon bursa by Anthopsis deltoidea. Kwon-Chung KJ, et al. **J Clin Microbiol** 1984 Aug; 20(2):271-3

The mycotoxicological chain and contamination of food by ochratoxin A in the nephropathic and non-nephropathic areas in Yugoslavia. Pepeljnjak S, et al. **Mycopathologia** 1985 Jun;90(3):147-53

Trichosporon beigelii: survey of isolates from clinical material. Pritchard RC, et al. **Pathology** 1985 Jan; 17(1):20-23

Bacteriologic studies in external otitis in Dar es Salaam, Tanzania. Manni JJ, et al. **Trop Geogr Med** 1984 Sep; 36(3):293-5

[Cutaneous Alternaria infection in a child] Puissant A, et al. **Ann Dermatol Venereol** 1984;111(8):753-4 **(Fre)**

[Dermatomycosis in plaques caused by Botryomyces caespitosus. A new causative agent] Carapeto FJ, et al. **Med Cutan Ibero Lat Am** 1985;13(1):71-5 (Eng. Abstr.) **(Spa)**

METABOLISM

Trichosporon adeninovorans sp. nov., a yeast species utilizing adenine, xanthine, uric acid, putrescine and primary n-alkylamines as the sole source of carbon, nitrogen and energy. Middelhoven WJ, et al. **Antonie Van Leeuwenhoek** 1984;50(4):369-78

Mycotoxins produced from fungi isolated from foodstuffs and soil: comparison of toxicity in fibroblasts and rat feeding tests. Abbas HK, et al. **Appl Environ Microbiol** 1984 Sep; 48(3):654-61

Macrocyclic trichothecene toxins produced by Stachybotrys atra strains isolated in Middle Europe. Bata A, et al. **Appl Environ Microbiol** 1985 Mar;49(3):678-81

Changes in the lipid composition of Paecilomyces persicinus P-10 M1 during growth and cephalosporin C production. Papacharilaou E, et al. **Appl Environ Microbiol** 1984 Dec; 48(6):1084-7

Biodegradation of crystal violet (hexamethyl-p-rosaniline chloride) by oxidative red yeasts. Kwasniewska K. **Bull Environ Contam Toxicol** 1985 Mar;34(3):323-30

Chryscandin, a novel peptidyl nucleoside antibiotic. I. Taxonomy, fermentation, isolation and characterization. Yamashita M, et al. **J Antibiot (Tokyo)** 1984 Nov; 37(11):1279-83

Dissimilation of aromatic compounds in Rhodotorula graminis: biochemical characterization of pleiotropically negative mutants. Durham DR, et al. **J Bacteriol** 1984 Nov; 160(2):771-7

Initial reactions involved in the dissimilation of mandelate by Rhodotorula graminis. Durham DR. **J Bacteriol** 1984 Nov;160(2):778-80

Regulation of phenylalanine biosynthesis in Rhodotorula glutinis. Fiske MJ, et al. **J Bacteriol** 1984 Nov;160(2):676-81

Uptake of phenol by Trichosporon cutaneum. Mörtberg M, et al. **J Bacteriol** 1985 Feb;161(2):615-9

beta-Ketoadipate pathway in Trichosporon cutaneum modified for methyl-substituted metabolites. Powlowski JB, et al. **J Bacteriol** 1985 Sep;163(3):1126-35

[Photoactivation of the catalytic properties of a melanin pigment of fungal origin] Zhdanov NN, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Mar-Apr;(2):304-8 (Eng. Abstr.) **(Rus)**

[Biotin transport in the yeast Trichosporon cutaneum] Almukhova EA, et al. **Mikrobiologiia** 1985 Mar-Apr; 54(2):191-6 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

An animal model of Curvularia geniculata and its relationship with human disease. Alture-Werber E, et al. **Mycopathologia** 1985 Feb;89(2):69-73

PHYSIOLOGY

Life cycle of the endoparasitic nematophagous fungus Meria coniospora: a light and electron microscopic study. Jansson HB, et al. **Antonie Van Leeuwenhoek** 1984;50(4):321-7

Tetraphenylphosphonium ion is a true indicator of negative plasma-membrane potential in the yeast Rhodotorula glutinis. Experiments under osmotic stress and at low external pH values. Höfer M, et al. **Biochem J** 1985 Feb 1;225(3):815-9

The electrochemical H+ gradient in the yeast Rhodotorula glutinis. Höfer M, et al. **J Bioenerg Biomembr** 1985 Jun; 17(3):175-82

RADIATION EFFECTS

Roseoflavin inhibition of photoconidiation in a Trichoderma riboflavin auxotroph: indirect evidence for flavin requirement for photoreactions. Horwitz BA, et al. **Photochem Photobiol** 1984 Dec;40(6):763-9

ULTRASTRUCTURE

Ultrastructure in septa in Blastobotrys and Sporothrix. Smith MT, et al. **Antonie Van Leeuwenhoek** 1985;51(1):121-8

MONILIASIS see **CANDIDIASIS**

MONILIASIS, CUTANEOUS see **CANDIDIASIS, CUTANEOUS**

MONILIASIS, ORAL see **CANDIDIASIS, ORAL**

MONILIASIS, VULVOVAGINAL see **CANDIDIASIS, VULVOVAGINAL**

MONILIFORMIS see under **ACANTHOCEPHALA**

MONITORING, FETAL see **FETAL MONITORING**

MONITORING, PHYSIOLOGIC

Integrated monitoring of closed and low flow anesthesia circuits. Paloheimo M. **Acta Anaesthesiol Belg** 1984; 35(4):343-9

Statistical analysis of monitoring examinations in chronic peritoneal dialysis program. Balás EA, et al. **Acta Med Hung** 1984;41(4):279-85

The role of Holter monitoring in patients with recurrent sustained ventricular tachycardia: an electrophysiologic correlation. Ezri MD, et al. **Am Heart J** 1984 Nov; 108(5):1229-36

Time for a new approach to management of patients with both symptomatic and asymptomatic episodes of myocardial ischemia [editorial] Cohn PF. **Am J Cardiol** 1984 Dec 1;54(10):1358-9

Transient ST-segment depression as a marker of myocardial ischemia during daily life. Deanfield JE, et al. **Am J Cardiol** 1984 Dec 1;54(10):1195-200

Analysis of ST-segment changes in normal subjects: implications for ambulatory monitoring in angina pectoris. Deanfield JE, et al. **Am J Cardiol** 1984 Dec 1;54(10):1321-5

Echocardiographic versus hemodynamic monitoring during attacks of variant angina pectoris. Distante A, et al. **Am J Cardiol** 1985 May 1;55(11):1319-22

Significance of ventricular pauses of three seconds or more detected on twenty-four-hour Holter recordings. Hilgard J, et al. **Am J Cardiol** 1985 Apr 1;55(8):1005-8

Ambulatory electrocardiographic study of the frequency and cause of ventricular arrhythmia after correction of tetralogy of Fallot. Kobayashi J, et al. **Am J Cardiol** 1984 Dec 1;54(10):1310-3

Blood pressure and heart rate responses during 24-hour ambulatory monitoring and exercise in men with diabetes mellitus. Rubler S, et al. **Am J Cardiol** 1985 Mar 1; 55(6):801-6

Heparin monitoring by activated partial thromboplastin time. Comparison of ex vivo measurement and in vitro standardization. Scialla SJ. **Am J Clin Pathol** 1985 Sep; 84(3):351-4

Family acceptance of home apnea monitors. Fiser DH, et al. **Am J Med Sci** 1985 Aug;290(2):52-5

Retrolabyrinthine vestibular neurectomy with simultaneous monitoring of eighth nerve action potentials and electrocochleography. Silverstein H, et al. **Am J Otol** 1984 Oct;5(6):552-5

End-tidal CO2 monitoring. Its use in the diagnosis and management of malignant hyperthermia. Baudendistel L, et al. **Anaesthesia** 1984 Oct;39(10):1000–3

Thumb paraesthesia after neuromuscular twitch monitoring. Sia RL, et al. **Anaesthesia** 1985 Feb;40(2):167–9

Elective coronary bypass surgery without pulmonary artery catheter monitoring. Bashein G, et al. **Anesthesiology** 1985 Oct;63(4):451–4

Home blood glucose monitoring, glycaemic control and diabetic complications. Yeo PP, et al. **Ann Acad Med Singapore** 1985 Apr;14(2):247–51

A new method for continuous intraoperative measurement of Harrington rod loading patterns. Daniels AU, et al. **Ann Biomed Eng** 1984;12(3):233–46

Technological status and problems of ambulatory electrocardiographic monitoring. Winkle RA, et al. **Ann NY Acad Sci** 1984;432:108–16 (9 ref.)

Ambulatory monitoring of panic disorder. Freedman RR, et al. **Arch Gen Psychiatry** 1985 Mar;42(3):244–8

Serum level monitoring of aminoglycoside antibiotics. Limitations in intensive care unit-related bacterial pneumonia. Flint LM, et al. **Arch Surg** 1985 Jan;120(1):99–103

Biomonitoring of aniline and nitrobenzene. Hemoglobin binding in rats and analysis of adducts. Albrecht W, et al. **Arch Toxicol** 1985 Apr;57(1):1–5

Enhancement of military pilot reliability by hypnosis and psychophysiological monitoring: preliminary inflight and simulator data. Barabasz AF. **Aviat Space Environ Med** 1985 Mar;56(3):248–50

Utilization of ambulatory electrocardiographic monitoring and exercise stress testing to assess antiarrhythmic drug efficacy. Graboys TB. **Boll Soc Ital Cardiol** 1983 Sep;28(9):803–10

Monitoring of brainstem auditory evoked potentials during basilar artery occlusion in man. Lam AM, et al. **Br J Anaesth** 1985 Sep;57(9):924–8

EEG monitoring and evoked potentials in brain ischaemia. Prior PF. **Br J Anaesth** 1985 Jan;57(1):63–81 (137 ref.)

Mood and pulmonary function in adult asthmatics: a pilot self-monitoring study. Steptoe A, et al. **Br J Med Psychol** 1985 Mar;58 (Pt 1):87–94

Apnoea alarms [letter] Wright BM. **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1536–7

Practical problems of therapeutic drug monitoring of anticonvulsants. Walson PD. **Brain Dev** 1985;7(2):116–21

Haemodynamic monitoring: measurement of systemic blood pressure. Scott WA. **Can Anaesth Soc J** 1985 May;32(3 Pt 1):294–8 (11 ref.)

Haemodynamic monitoring: pulmonary artery catheterization. Whalley DG. **Can Anaesth Soc J** 1985 May;32(3 Pt 1):299–305 (21 ref.)

Haemodynamic monitoring: cardiovascular system function. Wynands JE. **Can Anaesth Soc J** 1985 May;32(3 Pt 1):288–93 (19 ref.)

Chronobiology of human blood pressure in the light of static (room-restricted) automatic monitoring. Halberg F, et al. **Chronobiologia** 1984 Jul–Sep;11(3):217–47

Therapeutic monitoring of psychotherapeutic drugs: role of the clinical laboratory. Jatlow P. **Clin Biochem** 1985 Jun;18(3):143–8 (53 ref.)

Detection of a diurnal rhythm in arterial blood pressure in the evaluation of 24-hour antihypertensive therapy. Germanó G, et al. **Clin Cardiol** 1984 Oct;7(10):525–35

Sudden cardiac death recorded during ambulatory electrocardiographic monitoring. Hohnloser S, et al. **Clin Cardiol** 1984 Oct;7(10):517–23

The auditory brainstem response in surgical monitoring: the pathological significance of a reduced P1–P5 interwave interval. Jacobson GP, et al. **Clin Electroencephalogr** 1985 Apr;16(2):83–7

Cerebral function monitor studies in neonates. Viniker DA, et al. **Clin Electroencephalogr** 1984 Oct;15(4):185–92

Ambulatory blood pressure monitoring and hypertension. A satellite symposium to the 10th annual meeting of the International Society of Hypertension. Stresa, Italy, June 24 & 25, 1984. **Clin Exp Hypertens [A]** 1985;7(2–3):153–467

Definition of normalcy in whole-day ambulatory blood pressure monitoring. Drayer JI, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):195–204

Reproducibility of blood pressure values in normotensive subjects. [illegible] JI, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):4[illegible]

The role [illegible] ambulatory blood pressure monitoring in the evaluation of adolescent hypertension. Garrett BN, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):227–34

The amount of monitoring time required in determining a blood pressure profile. The way we used to reduce artifacts influence. Germanò G, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):361–4

Role of ambulatory blood pressure recording in the diagnosis, prognosis, and management of hypertension. Horan MJ. **Clin Exp Hypertens [A]** 1985;7(2–3):205–16

Superiority of 24-hour measurement of blood pressure over clinic values in determining prognosis in hypertension. Mann S, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):279–81

Data analysis of long-term blood pressure monitoring. Mérier GR, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):381–5

The intraarterial blood pressure monitoring in the evaluation of patients with dizziness and/or fainting. Palombo C, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):423–8

Real time detection of significant blood pressure events in ambulant subjects. Roffe DJ, et al. **Clin Exp Hypertens [A]** 1985;7(2- 3):299–307

Ambulatory BP monitoring after acute administration of slow release nifedipine, alone or in combination with acebutolol, in systo-diastolic and in systolic hypertension. Strano A, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):391–4

Experience with continuous ambulatory EEG monitoring. Berkovic SF, et al. **Clin Exp Neurol** 1984;20:37–46

Supine hypertension, blood pressure variability and circadian rhythm in autonomic failure: the role of ambulatory intra-arterial monitoring. Mann S, et al. **Clin Exp Pharmacol Physiol** 1984 Jul–Aug;11(4):347–50

Respiratory airflow measurement in the neonate. Dransfield DA, et al. **Clin Perinatol** 1985 Feb;12(1):21–30

Noninvasive monitoring of blood gases in the newborn. Peabody JL, et al. **Clin Perinatol** 1985 Feb;12(1):147–60

Choosing optimal sampling times for therapeutic drug monitoring. Schumacher GE. **Clin Pharm** 1985 Jan–Feb;4(1):84–92

Monitoring the plastic surgical patient. Reines HD. **Clin Plast Surg** 1985 Jan;12(1):3–16 (62 ref.)

Detection of blood volume deficits through conjunctival oxygen tension monitoring. Abraham E, et al. **Crit Care Med** 1984 Nov;12(11):931–4

Noninvasive arterial hemoglobin oxygen saturation versus transcutaneous oxygen tension monitoring in the preterm infant. Deckardt R, et al. **Crit Care Med** 1984 Nov;12(11):935–9

Continuous monitoring of arterial and tissue PCO2. Kohama A, et al. **Crit Care Med** 1984 Nov;12(11):940–2

Monitoring plasma concentration of nortriptyline. Methodological, pharmakokinetic and clinical aspects. Kragh-Sørensen P. **Dan Med Bull** 1985 Mar;32(1):29–53

Determination of glucosuria, an obsolete form of self-monitoring in diabetes? Ludvigsson J. **Diabetes Res** 1984 Nov;1(4):213–7

Long-term monitoring in epilepsy. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985;37:1–444

Monitoring at the West Haven VA/Yale University School of Medicine Epilepsy Center. Ebersole JS, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985;37:357–69

Monitoring at the National Hospital, Queen Square, London. Roberts R, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985;37:423–36

A method for measuring arm movements in man under ambulatory conditions. Renfrew JW, et al. **Ergonomics** 1984 Jun;27(6):651–61

Long-term ambulatory ECG-monitoring in the prediction of sudden coronary death. Lichtlen PR, et al. **Eur Heart J** 1984 Sep;5 Suppl B:25–30

The value of an auditory stimulatory test in antenatal fetal cardiotocography. Davey DA, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Dec;18(5–6):273–7

Things that go beep in the night: home monitoring for apnea. Sheridan MS. **Health Soc Work** 1985 Winter;10(1):63–70

The invalidity of monitoring transcutaneous oxygen tension in patients who have chronic renal failure. Armstrong JR, et al. **Henry Ford Hosp Med J** 1985;33(1):57–60

Lack of alerting reactions to intermittent cuff inflations during noninvasive blood pressure monitoring. Parati G, et al. **Hypertension** 1985 Jul–Aug;7(4):597–601

Biological monitoring of occupational exposure to nickel. Aitio A. **IARC Sci Publ** 1984;(53):497–505 (48 ref.)

Biological monitoring in nickel refinery workers. Morgan LG, et al. **IARC Sci Publ** 1984;(53):507–20

Occupational exposure to N-nitrosamines. Air measurements and biological monitoring. Spiegelhalder B. **IARC Sci Publ** 1984;(57):937–42

Biological monitoring in the metal working industry. Spiegelhalder B, et al. **IARC Sci Publ** 1984;(57):943–6

Intraoperative monitoring and use of the internal shunt during carotid endarterectomy. Quinones-Baldrich WJ, et al. **Int Surg** 1984 Jul–Sep;69(3):207–13

Assessment of infant-caregiver interaction using cardiac, respiratory, and behavioral monitoring: conceptual and technical issues in a new methodology. Miller BD, et al. **J Am Acad Child Psychiatry** 1985 May;24(3):286–97

Ambulatory electrocardiographic monitoring: can we predict sudden death? Armstrong WF, et al. **J Am Coll Cardiol** 1985 Jun;5(6 Suppl):13B–16B (34 ref.)

Discordance between ambulatory monitoring and programmed stimulation in assessing efficacy of class IA antiarrhythmic agents in patients with ventricular tachycardia. Kim SG, et al. **J Am Coll Cardiol** 1985 Sep;6(3):539–44

Two-dimensional echocardiographic monitoring during percutaneous endomyocardial biopsy. Strachovsky G, et al. **J Am Coll Cardiol** 1985 Sep;6(3):609–11

Blood glucose monitoring in a type II diabetic [clinical conference] Squire KM, et al. **J Fam Pract** 1985 Sep;21(3):181–93

Serial quantitative skin surface fluorescence: a new method for postoperative monitoring of vascular perfusion in revascularized digits. Graham BH, et al. **J Hand Surg [Am]** 1985 Mar;10(2):226–30

Continuous ambulatory monitoring of blood pressure and assessment of cardiovascular reflexes in the elderly hypertensive. Rowlands DB, et al. **J Hypertens** 1984 Dec;2(6):615–22

Monitoring and treatment of raised intracranial pressure in children [editorial] Dinwiddie R, et al. **J R Soc Med** 1985 Mar;78(3):185–6

Unusual complication of direct left atrial pressure monitoring line. Akl BF, et al. **J Thorac Cardiovasc Surg** 1984 Dec;88(6):1033–5

The role of physiologic monitoring in patients with fractures of the hip. Schultz RJ, et al. **J Trauma** 1985 Apr;25(4):309–16

What therapeutic drugs should be monitored? [editorial] **Lancet** 1985 Aug 10;2(8450):309–10

Monitoring metabolic disease by proton NMR of urine [letter] Nicholson JK, et al. **Lancet** 1984 Sep 29;2(8405):751–2

Evoked potentials in the operating room. Grundy BL. **Mt Sinai J Med (NY)** 1984 Sep;51(5):585–91

Transesophageal echocardiography. Kaplan JA. **Mt Sinai J Med (NY)** 1984 Sep;51(5):592–4

Continuous monitoring of mixed venous oxygen saturation in clinical practice. McMichan JC. **Mt Sinai J Med (NY)** 1984 Sep;51(5):569–72

Recommendations and medical guidelines for the use of home apnea monitoring. Nebraska Chapter of the American Academy of Pediatrics Fetus & Newborn Committee. **Nebr Med J** 1985 Apr;70(4):127–8

Direct comparison of 3- and 8-channel ambulatory cassette EEG with intensive inpatient monitoring. Ebersole JS, et al. **Neurology** 1985 Jun;35(6):846–54

The various types of ST alterans (both elevated and depressed) in patients with variant angina [letter] Santinelli V. **PACE** 1984 Nov;7(6 Pt 1):1088–9

Day-to-day pneumogram variability. Hunt CE, et al. **Pediatr Res** 1985 Feb;19(2):174–7

Noninvasive monitoring of cerebral oxygenation in preterm infants: preliminary observations. Brazy JE, et al. **Pediatrics** 1985 Feb;75(2):217–25

Measurement of the non-specific threshold stimulus for the bronchial tree by continuous monitoring of respiratory resistance using the oscillation method. Tjwa MK, et al. **Respiration** 1985;48(1):1–11

Comparison of different coefficients and units in rhinomanometry. Eichler J, et al. **Rhinology** 1985 Jun;23(2):149–57

Clinical evaluation of spinal cord monitoring in scoliosis surgery. Bradshaw K, et al. **Spine** 1984 Sep;9(6):636–43

Continuous recording of neck rotation: preliminary observations. Murphy C, et al. **Spine** 1984 Sep;9(6):657–9

On-line metabolic monitoring of the heart during cardiac surgery. Khuri SF, et al. **Surg Clin North Am** 1985 Jun;65(3):439–53 (30 ref.)

Fourth International Symposium on Immunological Monitoring of the Transplant Patient. Houston, November 2–5, 1983. **Transplant Proc** 1984 Dec;16(6):1403–703

Monitoring progression of diabetic nephropathy. Parving HH, et al. **Ups J Med Sci** 1985;90(1):15–23

Comparative evaluation of impotence with vibration and nocturnal monitoring. Godec CJ. **Urology** 1985 Feb;25(2):135–8

Hemodynamic monitoring in a small, rural community hospital. Desbiens NA. **Wis Med J** 1984 Sep;83(9):24–6

[Hemodynamic monitoring in myocardial infarction—a preliminary report on its clinical use] Gao RL. **Chung Hua Nei Ko Tsa Chih** 1984 Nov;23(11):673–6 (Eng. Abstr.) **(Chi)**

[Biological monitoring of exposure to industrial toxic substances. Present-day situation and prospects for development] Lauwerys R, et al. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):155–64 (Eng. Abstr.) **(Fre)**

[Medical follow-up of the French Team] Mas L. **Union Med Can** 1984 Aug;113(8):634–6 (Eng. Abstr.) **(Fre)**

[Prospects for environment intervention following biological monitoring of exposure to chromium] Terzi R, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2333–7 (Eng. Abstr.) **(Ita)**

[Biological monitoring of workers engaged in the production of welding fluxes with ambient exposure to fluorine lower than the threshold limit value] Pattarin R, et al. **Med Lav** 1984 Sep–Oct;75(5):368–75 (Eng. Abstr.) **(Ita)**

[Patient monitoring in the hospital rehabilitation department] Iwakura H. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):516–22 **(Jpn)**

[Education of specialists in patient monitoring] Kimata S. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):542–8 **(Jpn)**

[Neurological care unit] Mii K, et al. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):490–6 **(Jpn)**

[Monitoring of patients in general and special wards] Sakakibara K. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):510–5 **(Jpn)**

[Circulatory monitoring at the intensive care unit. a. Advantages and disadvantages in invasive monitoring methods] Soejima K, et al. **Nippon Rinsho** 1984 Dec;42(12):2693–7 **(Jpn)**

[Monitoring of acute hepatic failure] Inoue N. **Rinsho Byori** 1984 Oct;32(10):1084–90 **(Jpn)**

[Monitoring system for an abnormal blood coagulation mechanism (DIC)] Kita E. **Rinsho Byori** 1984 Oct;32(10):1091–6 **(Jpn)**

[Transcutaneous PCO2 monitoring of newborn infants] Hågå P, et al. **Tidsskr Nor Laegeforen** 1985 Jun 30;105(19–21):1298–301 (Eng. Abstr.) **(Nor)**

[Quanta of goal-oriented worker activity in the process of manufacturing electron-optical systems] Mamedov AM, et al. **Vestn Akad Med Nauk SSSR** 1985;(2):60–3 (Eng. Abstr.)

(Rus)

[Use of continuous registration of the heart rate in evaluating the degree of internal stress during various physical activities] Zivotić-Vanović M, et al. **Zb Vojnomed Akad** 1983;25:58–62 (Eng. Abstr.) (Ser)

[Importance of salivary levels of theophylline in monitoring pediatric asthmatic patients] Plaza AM, et al. **An Esp Pediatr** 1984 Aug;21(2):101–6 (Eng. Abstr.) (Spa)

[Prognosis of severe cranio-encephalic injuries. Study of 22 cases with continuous monitoring of intracranial pressure and evoked potentials] Vilalta Castan J, et al. **Rev Esp Anestesiol Reanim** 1984 Sep–Oct;31(5):185–7 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Airway obstruction with esophageal monitors in a patient with double aortic arch [letter] Moorthy SS, et al. **Anesthesiology** 1985 Oct;63(4):465

Infectious complications and duration of intracranial pressure monitoring. Kanter RK, et al. **Crit Care Med** 1985 Oct; 13(10):837–9

CLASSIFICATION

Monitoring classifications [letter] Weingarten M. **Crit Care Med** 1985 Feb;13(2):139

ECONOMICS

Transcutaneous oxygen monitoring: economic impact on neonatal care. Peevy KJ, et al. **Pediatrics** 1985 Jun; 75(6):1065–7

HISTORY

The history and development of cardiovascular monitoring during anesthesia. Silvay G, et al. **Mt Sinai J Med (NY)** 1984 Sep;51(5):560–3

INSTRUMENTATION

Real time mathematical analysis of instantaneous respiratory signals at the bedside by a multiprocessor system (PAMS). Grevisse P, et al. **Acta Anaesthesiol Belg** 1984;35(4):313–28

The anesthesia and brain monitor (ABM). Concept and performance. Kay B. **Acta Anaesthesiol Belg** 1984;35 Suppl:167–74

Development and practical use of a computerized anesthesia protocol. Weller L, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:331–4

Monitor for an intravenous injection system. Bisera J, et al. **Acute Care** 1983–84;10(2):112–5

Transcutaneous PO2 sensors and their application to clinical monitoring and diagnosis. Shoemaker WC. **Acute Care** 1983–84;10(2):103–11 (24 ref.)

Value of Holter monitoring in identifying risk for sustained ventricular arrhythmia recurrence on amiodarone. Marchlinski FE, et al. **Am J Cardiol** 1985 Mar 1; 55(6):709–12

Tissue pH monitoring by a disposable sensor in critically ill neonates. Chaudhry U, et al. **Am J Dis Child** 1985 Oct; 139(10):1049–53

A technique for monitoring blood flow changes with miniaturized Doppler flow probes. Van Orden DE, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H1005–9

Calibration of computer-assisted (Respicomp) respiratory inductive plethysmography in newborns. Warren RH, et al. **Am Rev Respir Dis** 1985 Apr;131(4):564–7

A comparison of continuous flush devices. Gibbs N, et al. **Anaesth Intensive Care** 1985 May;13(2):184–7

Automatic blood pressure monitors. A clinical evaluation of five models in adults. Johnson CJ, et al. **Anaesthesia** 1985 May;40(5):471–8

A rate pressure product meter. A new module for use with the Simonsen & Weel System 8000 monitors. Lawler PG, et al. **Anaesthesia** 1985 Feb;40(2):178–80

The neuromuscular transmission monitor. A clinical assessment and comparison with a force transducer. Windsor JP, et al. **Anaesthesia** 1985 Feb;40(2):146–51

Continuous measurement of intravascular pH with a fiberoptic sensor. Abraham E, et al. **Anesth Analg** 1985 Jul;64(7):731–6

An unusual source of error [letter] Goldberg M, et al. **Anesth Analg** 1985 Jun;64(6):652

A simple device for testing peripheral nerve stimulators [letter] Sarnat AJ. **Anesthesiology** 1984 Nov;61(5):624–5

Ambulatory Holter electrocardiography [letter] **Ann Intern Med** 1985 Jun;102(6):863–4

Apnoea monitors and sudden infant death. Report from the Foundation for the Study of Infant Death and the British Paediatric Respiratory Group. **Arch Dis Child** 1985 Jan; 60(1):76–80

Apnoea monitors and sudden infant death [letter] Wright BM. **Arch Dis Child** 1985 May;60(5):497–8

A miniature compliance monitor for eyedrop medication. Kass MA, et al. **Arch Ophthalmol** 1984 Oct;102(10):1550–4

Chronic pain: electromechanical recording device for measuring patients' activity patterns. Follick MJ, et al. **Arch Phys Med Rehabil** 1985 Feb;66(2):75–9

An optimal monitor of the electroencephalographic sigma sleep state. Kemp B, et al. **Biol Cybern** 1985;51(4):263–70

Computer-controlled instrumentation system for measurement of breath-by-breath responses from exercising humans. Riblett LE Jr, et al. **Biomed Sci Instrum** 1985;21:63–71

Autonomic monitor for electroconvulsive therapy. Watkins-Pitchford JM, et al. **Br J Psychiatry** 1984 Nov; 145:551–2

Evaluation of commercially available heart rate monitors. Humen DP, et al. **Can Med Assoc J** 1984 Sep 15; 131(6):585–8

Continuous monitoring of mixed venous oxygen saturation in hemodynamically unstable patients. Birman H, et al. **Chest** 1984 Nov;86(5):753–6

Clinical experience with continuous monitoring of mixed venous oxygen saturation in respiratory failure. Fahey PJ, et al. **Chest** 1984 Nov;86(5):748–52

Use of continuous monitoring of mixed venous saturation in the coronary care unit. Gore JM, et al. **Chest** 1984 Nov; 86(5):757–61

Absence of alarm reactions with use of non-invasive blood pressure monitoring devices. Pomidossi G, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):429–36

Twenty-four hour blood pressure monitoring in the evaluation of once daily treatment of essential hypertension with captopril. Thurm RH, et al. **Clin Exp Hypertens [A]** 1985;7(2–3):283–90

Intracranial pressure monitoring by subarachnoid bolt in comatose children. Nussbaum E, et al. **Clin Pediatr (Phila)** 1985 Jun;24(6):329–30

Neonatal oxygen-cardiorespirograms. Huch R, et al. **Clin Perinatol** 1985 Feb;12(1):129–45

An inexpensive portable monitor for measuring evaporative water loss. Smallwood RH, et al. **Clin Phys Physiol Meas** 1985 May;6(2):147–54

Microcomputer-assisted monitoring system for measuring and processing cardiorespiratory variables: preliminary results of clinical trials. Hankeln KB, et al. **Crit Care Med** 1985 May;13(5):426–31

Use of an iridium-oxide transcutaneous carbon dioxide electrode on adult surgical patients. Williams R, et al. **Crit Care Med** 1985 Oct;13(10):848–50

Teledyne Sleep Sentry: false security? [letter] Starkman HS. **Diabetes Care** 1984 Sep–Oct;7(5):507

Automatic detection of spike-and-wave bursts in ambulatory EEG recordings. Koffler DJ, et al. **Electroencephalogr Clin Neurophysiol** 1985 Aug; 61(2):165–80

Transcutaneous CO2 monitoring and disordered breathing during sleep. Midgren B, et al. **Eur J Respir Dis** 1984 Oct; 65(7):521–8

Diagnosis of ventricular tachyarrhythmias by ambulatory electrocardiographic monitoring. Correlation with his bundle electrography. Abdon NJ, et al. **G Ital Cardiol** 1984 Oct;14(10):774–8

Contact lens fitting for binocular micromovement recording. Schulz E, et al. **Graefes Arch Clin Exp Ophthalmol** 1984; 221(6):282–5

Binocular micromovement recording of human eyes:—methods. Simon F, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;221(6):293–8

A review of the use of computerized digital instrumentation to determine pulmonary artery pressure measurements in critically ill patients. Levine SC. **Heart Lung** 1985 Sep; 14(5):473–7

From Holter monitors to automatic defibrillators: developments in ambulatory arrhythmia monitoring. Thakor NV. **IEEE Trans Biomed Eng** 1984 Dec; 31(12):770–8 (47 ref.)

Design and validation of an automatic metabolic monitor. Feenstra BW, et al. **Intensive Care Med** 1985;11(2):95–9

Use of 'bollards' to improve patient access during intensive care. Kerr JH, et al. **Intensive Care Med** 1985;11(1):33–8

A low-cost modular oxygen-consumption device for small animals. Arundel PA, et al. **J Appl Physiol** 1984 Nov; 57(5):1591–3

Computerized 24-hour esophageal pH monitoring: a new ambulatory technique using radiotelemetry. Vitale GC, et al. **J Lab Clin Med** 1985 Jun;105(6):686–93

HEI 134—evaluation of patient monitors. **J Med Eng Technol** 1985 May–Jun;9(3):125–8

A microcomputer monitoring and data-acquisition system for intensive care units. Diprose GK, et al. **J Med Eng Technol** 1985 Mar–Apr;9(2):80–4

Assessment of Hitachi HME-20 pulse and blood-pressure monitor. Northcote RJ, et al. **J Med Eng Technol** 1985 Jan–Feb;9(1):10–3

Building safe computer-controlled systems. Leveson NG. **J Med Syst** 1984 Oct;8(5):451–60

Reliability of ICP measuring devices [letter] Martin G. **J Neurosurg** 1984 Dec;61(6):1160–1

Pseudotumor cerebri and a long-term intracranial pressure monitoring device. McDonald LS. **J Neurosurg Nurs** 1984 Dec;16(6):299–305

A central apnoea extension alarm. Brown G, et al. **J R Army Med Corps** 1984 Oct;130(3):192

A review of current methods of monitoring in neonatal intensive care. Lyon AJ. **J R Army Med Corps** 1984 Oct; 130(3):178–82

Chronic instrumentation and its lack of effect on the hemodynamics and regional myocardial blood flow of conscious dogs. Inou T, et al. **Jpn Heart J** 1985 Mar; 26(2):259–70

Twenty-four hour ambulatory pH recording with computerised analysis. Breedijk M, et al. **Med Biol Eng Comput** 1984 Nov;22(6):609–12

Calculation and display of the rate/pressure product during anaesthesia using binary rate multipliers. Pepper MG, et al. **Med Biol Eng Comput** 1985 Mar;23(2):187–9

Design of a multichannel solid-state recorder and its application to temperature measurement. Tamura T, et al. **Med Biol Eng Comput** 1984 Sep;22(5):411–7

The anesthesia instrumentation and monitoring specialist. Frazier WT, et al. **Med Instrum** 1985 May–Jun;19(3):113–8

Display adaptor for the Vitatek 511 monitor and the Puritan-Bennett CO2 analyzer. Lawson D, et al. **Med Instrum** 1985 Jul–Aug;19(4):184–5

An evaluation of the accuracy and reliability of ethylene oxide diffusion badge monitors. Loving TJ, et al. **Med Instrum** 1984 Nov–Dec;18(6):309–17

Biosensors and the clinical laboratory. Pace SJ. **Med Instrum** 1985 Jul–Aug;19(4):168–72

Selecting the optimal anesthesia monitoring array. Philip JH, et al. **Med Instrum** 1985 May–Jun;19(3):122–6

Medical applications of fiberoptic sensors. Schultz JS. **Med Instrum** 1985 Jul–Aug;19(4):158–63

Chemical biosensors and on-line patient monitoring. Sibbald A. **Med Instrum** 1985 Jul–Aug;19(4):164–7

The design and use of a charting system for automatic record keeping during extracorporeal circulation. Oomen J, et al. **Med Prog Technol** 1985;10(4):239–47

Implantable pulsed Doppler cuff for long-term monitoring of free flaps: a preliminary study. Parker PM, et al. **Microsurgery** 1984;5(3):130–5

Clinical use of a portable bedside cerebral blood flow machine in the management of aneurysmal subarachnoid hemorrhage. Rosenstein J, et al. **Neurosurgery** 1984 Oct; 15(4):519–25

Critical analysis of sensors for physiological responsive pacing. Gillette P. **PACE** 1984 Nov;7(6 Pt 2):1263–6

Long-term recording of core temperatures with chronically implanted silicon diodes. Klein W, et al. **Pflugers Arch** 1985 Jan;403(1):55–7

The measurement of temperature for thermoregulatory studies. Silverman RW, et al. **Pharmacol Ther** 1985; 27(2):233–42 (16 ref.)

A simple device for breath-level monitoring during CT. Fröhlich H, et al. **Radiology** 1985 Jul;156(1):235

Ventilation monitors and alarms. Klein MT, et al. **S Afr Med J** 1985 Mar 16;67(11):410–3 (20 ref.)

Thermal environmental monitoring of divers using a twelve channel multiplexing instrument. Weller C, et al. **Undersea Biomed Res** 1985 Mar;12(1):85–92

Improved aid in management of neurogenic bladder. Belen J, et al. **Urology** 1985 Feb;25(2):188–9

[Comparison of Visidex and dextrometer with glucose analyzer (Gilford system 203, hexokinase method) determination of blood glucose in diabetics] Sheen TY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Dec;83(12):1208–14 (Eng. Abstr.) (Chi)

[Respiration monitoring; an unusual application of used thermodilution catheters] Boland DM. **Ned Tijdschr Geneeskd** 1984 Nov 3;128(44):2084–6 (Eng. Abstr.) (Dut)

[An apparatus for the noninvasive automatic measurement of arterial pressure] Desbordes JM, et al. **Cah Anesthesiol** 1984 Mar;32(2):119–21 (Eng. Abstr.) (Fre)

[Clinical experiences with the anesthesia and brain monitor (ABM)] Kochs E. **Anasth Intensivther Notfallmed** 1985 Jun; 20(3):151–4 (Eng. Abstr.) (Ger)

[An electronic device for conversion of low-frequency biosignals to auditory frequency range] Eichmeier J, et al. **Biomed Tech (Berlin)** 1984 Sep;29(9):207–11 (Eng. Abstr.) (Ger)

[Possibilities of radio recording of biosignals using digital memories] von Kiparski R, et al. **Biomed Tech (Berlin)** 1985 Apr;30(4):76–84 (Eng. Abstr.) (Ger)

[Noninvasive diagnostic procedure in neonatology] Gmyrek D. **Kinderarztl Prax** 1985 Jan;53(1):5–14 (Eng. Abstr.) (Ger)

[Computer-assisted monitoring in intensive care] Apitz J, et al. **Monatsschr Kinderheilkd** 1984 Oct;132(10):806–9 (Eng. Abstr.) (Ger)

[A methodological solution for perinatal instrumental monitoring] Scharner W, et al. **Z Arztl Fortbild (Jena)** 1984; 78(16):681–4 (Ger)

[Use of computers in the control of acid-base equilibrium in surgical patients in intensive care units] Manconi P, et al. **Minerva Med** 1984 Sep 22;75(36):2063–6 (Ita)

[Presentation of a new instrument for the prolonged monitoring (24 hrs.) of endoesophageal pH, based on microprocessor technologies] Zaninotto G, et al. **Minerva Med** 1984 Oct 13;75(39):2301–4 (Eng. Abstr.) (Ita)

[Clinical evaluation of continuous monitoring of mixed venous oxygen saturation in critically ill patients] Aishima K, et al. **Fukuoka Igaku Zasshi** 1984 Jul;75(7):445–52 (Jpn)

[Development of a pulse generator for the prevention of syncope and sudden death during the monitoring of heart block] Arai Y, et al. **Iyodenshi To Seitai Kogaku** 1984 Jun; 22(3):180–5 (Eng. Abstr.) (Jpn)

[Development of portable insulin infusion systems. IX. Biocompatibility of a needle-type micro-sensor for glucose determination] Ha[illegible]ui N. **Iyodenshi To Seitai Kogaku** 1984 Sep;22(5):364–5 (Jpn)

[Prototype of a respiratory monitor using inductive transducers] Imai S, et al. **Iyodenshi To Seitai Kogaku** 1985 Feb;23(1):46–8 (Eng. Abstr.) (Jpn)

[Computer-aided automated monitoring and treatment system for for patients following open heart surgery—with special reference to automatic control of the blood pressure] Imai Y, et al. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):549–55 (7 ref.) (Jpn)

[Role of microcomputers in patient monitoring systems] Ishii H, et al. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):529–35 (14 ref.) (Jpn)

[Online input and sensors in patient monitoring] Kubota H. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):523–8 (6 ref.) (Jpn)

[Hollow fiber monitoring system for blood gas and pH determination during extracorporeal circulation] Tamura T. **Iyodenshi To Seitai Kogaku** 1984 Sep;22(5):368–9 (Jpn)

[Improvement in precision of QRS pattern recognition in Holter electrocardiography] Watanabe T. **Iyodenshi To Seitai Kogaku** 1984 Sep;22(5):360–1 (Jpn)

[Intra-operative EEG monitoring; the performance of the NEUROTRAC] Kinefuchi Y, et al. **Masui** 1984 Oct; 33(10):1112–7 (Eng. Abstr.) (Jpn)

[Development and clinical application of artificial kidney monitoring apparatus] Yamada A. **Nippon Rinsho** 1985 Mar; 43(3):655–64 (11 ref.) (Jpn)

[A quantitative analyzing method for drug-induced tremor] Shinozaki H, et al. **Nippon Yakurigaku Zasshi** 1984 Jun; 83(6):479–83 (Eng. Abstr.) (Jpn)

[Blood glucose monitoring system] Akai T, et al. **Rinsho Byori** 1984 Oct;32(10):1058–64 (Jpn)

[Long-term observation of an electrocardiography signal by using a portable monitor-analyzer with electronic memory] Gusarov GV, et al. **Fiziol Cheloveka** 1984 Sep–Oct; 10(5):859–69 (Rus)

[A television monitoring control system for electrophysiological research] Kratin IuG, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):381–3 (Rus)

[Radioelectronic monitor KMS8-01 for monitoring cardiology patients] Agizim GM, et al. **Ter Arkh** 1984; 56(11):13–6 (Rus)

[Clinical study of a new monitor for the determination and recording of arterial pressure by a non-invasive electronic-oscilometric method. Possibilities of the Dinamap] Pacheco M, et al. **Rev Esp Anestesiol Reanim** 1984 May–Jun;31(3):99–104 (Eng. Abstr.) (Spa)

METHODS

Clinical use of continuous monitoring of mixed venous oxygen saturation during and after cardiovascular surgery. Baele P, et al. **Acta Anaesthesiol Belg** 1985 Mar;36(1):5–13

Evaluation of a transcutaneous oxygen and carbon dioxide monitor in a neonatal intensive care department. Wimberley PD, et al. **Acta Paediatr Scand** 1985 May;74(3):352–9

Holter recording during treadmill testing in assessing myocardial ischemic changes. Tzivoni D, et al. **Am J Cardiol** 1985 Apr 15;55(9):1200–3

Transcutaneous oxygen monitoring. Its use in the treatment of outpatients with congenital heart disease. Gidding SS, et al. **Am J Dis Child** 1985 Mar;139(3):288–91

Experience with the pulmonary artery catheter in obstetrics and gynecology. Clark SL, et al. **Am J Obstet Gynecol** 1985 Jun 15;152(4):374–8

Implications for vigilance of a method for evaluating patterns of change in heart rate during anaesthesia. Lambert TF, et al. **Anaesth Intensive Care** 1985 May;13(2):168–77

Central venous and direct pressure monitoring [letter] Wilson I. **Anaesthesia** 1985 Jul;40(7):711

A comparison of the sensitivity of pulmonary artery pressure, end-tidal carbon dioxide, and end-tidal nitrogen in the detection of venous air embolism in the dog. Drummond JC, et al. **Anesth Analg** 1985 Jul;64(7):688–92

Monitoring respirations with a gauze thread: an ancient and outdated technique [letter] Moore DC. **Anesthesiology** 1984 Nov;61(5):623–4

Patient monitoring during magnetic resonance imaging. Roth JL, et al. **Anesthesiology** 1985 Jan;62(1):80–3

Tactile and visual evaluation of the response to train-of-four nerve stimulation. Viby-Mogensen J, et al. **Anesthesiology** 1985 Oct;63(4):440–3

Continuous monitoring of critically ill patients with transcutaneous oxygen and carbon dioxide and conjunctival oxygen sensors. Abraham E, et al. **Ann Emerg Med** 1984 Nov;13(11):1021–6

Monitoring of antiarrhythmic drug levels: values and pitfalls. Kupersmith J. **Ann NY Acad Sci** 1984;432:138–54 (58 ref.)

Therapeutic drug monitoring techniques: an overview. Pippenger CE. **Ann NY Acad Sci** 1984;432:129–37 (7 ref.)

The eye as a peripheral sensor. Isenberg S, et al. **Ann Ophthalmol** 1984 Dec;16(12):1105–8

Monitoring treatment of pulmonary carcinomas by serial determination of monoamine oxidase and diamine oxidase in blood serum. Kamiński KA, et al. **Arch Geschwulstforsch** 1984;54(5):377–85

Outpatient computer-based 32-hour esophageal pH studies teletransmitted to a central esophageal laboratory. Falor WH, et al. **Arch Intern Med** 1985 Sep;145(9):1617–9

The application of somatosensory-evoked potentials in orthopedic spine surgery. Mostegl A, et al. **Arch Orthop Trauma Surg** 1984;103(3):179–84

Pharmacokinetic monitoring of heparin therapy for regular hemodialysis. Khazine F, et al. **Artif Organs** 1985 Feb; 9(1):59–61

Intra-operative spinal cord monitoring during surgery for scoliosis using somatosensory evoked potentials. Whittle IR, et al. **Aust NZ J Surg** 1984 Dec;54(6):553–7

A comparison of PO2 monitoring techniques in newborn infants. Lewis IG, et al. **Aust Paediatr J** 1984 Nov; 20(4):309–11

Sweat-patch test for monitoring pesticide absorption by airblast applicators. Rosenberg NM, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):68–72

Preliminary evaluation of the use of macrophage aggregates (MA) as fish health monitors. Wolke RE, et al. **Bull Environ Contam Toxicol** 1985 Aug;35(2):222–7

Cardiac physiology and monitoring. Reves JG. **Can Anaesth Soc J** 1985 May;32(3 Pt 2):S1–11

Air embolism during craniotomy in the seated position: a comparison of methods for detection. Symons NL, et al. **Can Anaesth Soc J** 1985 Mar;32(2):174–7

Self-monitoring of the blood glucose level: potential sources of inaccuracy. Rasaiah B. **Can Med Assoc J** 1985 Jun 15; 132(12):1357–61

Assessment of serum radioimmune and enzymatic prostatic acid phosphatase and radioimmune creatine kinase BB for monitoring response to therapy in metastatic prostatic carcinoma. Zweig MH, et al. **Cancer Res** 1985 Aug; 45(8):3945–50

Perioperative Holter monitoring and computer analysis of dysrhythmias in cardiac surgery. Dewar ML, et al. **Chest** 1985 May;87(5):593–7

Reliability of rapid clinical staging of all night sleep EEG. Kelley JT, et al. **Clin Electroencephalogr** 1985 Jan; 16(1):16–20

Possibility of cardiac output monitoring from the intra-arterial blood pressure profile. Alicandri C, et al. **Clin Exp Hypertens** [A] 1985;7(2–3):345–53

Problems involved in automatic blood pressure monitoring. Di Rienzo M, et al. **Clin Exp Hypertens** [A] 1985; 7(2–3):309–18

The value of home blood pressure monitoring in the assessment of the efficacy of timolol in the management of hypertension. Lazarus JH, et al. **Clin Exp Hypertens** [A] 1985;7(2–3):407–11

Temporal analysis of blood pressure by ambulatory 24 H blood pressure monitoring. Libretti A, et al. **Clin Exp Hypertens** [A] 1985;7(2–3):463–7

Electrocardiogram blood pressure and systolic time intervals long term monitoring in ambulant patients. Marchesi C, et al. **Clin Exp Hypertens** [A] 1985;7(2–3):335–44

Computer analysis of continuous direct blood pressure recording. Mormino P, et al. **Clin Exp Hypertens** [A] 1985; 7(2–3):455–61

Technique for 24 hour recording of continuous high fidelity arterial pressure and electrocardiogram in ambulatory patients. Pagani M, et al. **Clin Exp Hypertens** [A] 1985; 7(2–3):401–5

Reliability of indirect blood pressure monitoring for the evaluation of hypertension. Palatini P, et al. **Clin Exp Hypertens** [A] 1985;7(2–3):437–43

Ambulatory monitoring of blood pressure and arrhythmias by non-invasive methods in hypertensive patients treated with metoprolol. Palma JL, et al. **Clin Exp Hypertens** [A] 1985;7(2–3):365–9

The Florence Children's Blood Pressure Study. A chronobiological approach by multiple self-measurements. Scarpelli PT, et al. **Clin Exp Hypertens** [A] 1985; 7(2–3):355–9

Computer analysis of cardiovascular activity in conscious unrestrained hypertensive rats of the Lyon strain. Su DF, et al. **Clin Exp Hypertens** [A] 1985;7(2–3):413–6

The monitoring of ovulation induction using ultrasound and estrogen. DeCherney AH, et al. **Clin Obstet Gynecol** 1984 Dec;27(4):993–1002

Reliable estimation of series dead space in ventilated patients. Brunner J, et al. **Clin Physiol** 1985;5 Suppl 3:65–8

Noninvasive pulmonary blood flow for optimal PEEP. Gedeon A. **Clin Physiol** 1985;5 Suppl 3:49–58

On-line deadspace measurement during cardiac surgery. Malmkvist G, et al. **Clin Physiol** 1985;5 Suppl 3:147–8

Thermocouple probe monitoring for free tissue transfer, replantation, and revascularization procedures. May JW Jr, et al. **Clin Plast Surg** 1985 Apr;12(2):197–207

Noninvasive monitoring of tissue viability. Sloan GM, et al. **Clin Plast Surg** 1985 Apr;12(2):185–95 (66 ref.)

Continuous polarographic monitoring of intra-arterial oxygen in the perioperative period. Bratanow N, et al. **Crit Care Med** 1985 Oct;13(10):859–60

Continuous transcutaneous PCO2 monitoring during epidural morphine analgesia. Choi HJ, et al. **Crit Care Med** 1985 Jul;13(7):584–5

Pulmonary compliance measurement in acute respiratory failure. Mancebo J, et al. **Crit Care Med** 1985 Jul; 13(7):589–91

Transcutaneous PO2 monitoring in the anesthetic management of a patient with Eisenmenger's syndrome. Skinner DH, et al. **Crit Care Med** 1985 Jul;13(7):608–9

ICP monitoring. Gaab MR, et al. **Crit Rev Biomed Eng** 1984; 11(3):189–250 (132 ref.)

The neonatal oxycardiorespirogram. Neuman MR, et al. **Crit Rev Biomed Eng** 1984;11(2):77–112 (87 ref.)

Continuous ambulatory electrocardiography in healthy adult subjects over a 24-hour period. Clinical data, and evaluation of instruments for ambulatory electrocardiography. Bjerregaard P. **Dan Med Bull** 1984 Aug;31(4):283–97 (98 ref.)

Development of electrical rhythmic activity in early embryonic cultured chick double-heart monitored optically with a voltage-sensitive dye. Yada T, et al. **Dev Biol** 1985 Aug;110(2):455–66

A randomized comparative crossover evaluation of glucose monitoring technologies. Peterson CM, et al. **Diabetes Res** 1984 Nov;1(4):195–9

Monitoring at the Instituut voor Epilepsiebestrijding Meer en Bosch. Binnie CD, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985; 37:341–55

Monitoring at the Swiss Epilepsy Center. Egli M, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985; 37:371–84

Monitoring at the Montreal Neurological Institute. Gotman J, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985; 37:327–40

Recording media for the EEG. Ives JR. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985;37:61–72

Amplification and transmission of the EEG. Kamp A. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985;37:27–60

Monitoring at the Baylor College of Medicine, Houston. Kellaway P, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985; 37:403–14

Monitoring at the University of California, Los Angeles. Nuwer MR, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985; 37:385–401

Monitoring at the National Institute of Neurological and Communicative Disorders and Stroke. Sato S, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985; 37:415–22

Utility of free level monitoring of antiepileptic drugs. Levy RH, et al. **Epilepsia** 1985 May–Jun;26(3):199–205

A survey of patients selected by general practitioners for home care of suspected myocardial infarction: arrhythmia detection using Holter monitoring. Brown AK, et al. **Eur Heart J** 1985 Jan;6(1):13–20

The prolonged antihypertensive effect of once daily atenolol: a study of continuous non-invasive arterial blood pressure monitoring. Roudaut R, et al. **Eur Heart J** 1984 Aug; 5(8):668–74

Clinical pharmacokinetics of 6-hour infusion of high-dose methotrexate. Preliminary trial of monitoring high infusion doses. Luyckx M, et al. **Eur J Clin Pharmacol** 1985; 28(4):457–62

Long-term ambulatory gastric pH monitoring: validation of a new method and effect of H2-antagonists. Fimmel CJ, et al. **Gastroenterology** 1985 Jun;88(6):1842–51

Limitations of 24-hour intraesophageal pH monitoring in the hospital setting. Schlesinger PK, et al. **Gastroenterology** 1985 Oct;89(4):797–804

Validation of sublingual temperatures in patients with nasogastric tubes. Heinz J. **Heart Lung** 1985 Mar; 14(2):128–30

Monitoring urinary bladder temperature. Moorthy SS, et al. **Heart Lung** 1985 Jan;14(1):90–3

Noninvasive transcutaneous monitoring of arterial blood gases. Mendelson Y, et al. **IEEE Trans Biomed Eng** 1984 Dec;31(12):792–800 (57 ref.)

Continuous monitoring of blood gases in the intensive care unit and operating room. Part 1: Non-invasive monitoring of oxygenation. Cook D. **Indiana Med** 1985 Jan;78(1):30–1

Assessment of occupational exposure to 4,4'-methylene-bis-(2-chloroaniline) 'MOCA' by a new sensitive method for biological monitoring. Ducos P, et al. **Int Arch Occup Environ Health** 1985;55(2):159–67

Repeated percutaneous internal jugular cannulation using flow directed Swan Ganz catheter. Grant PK, et al. **Intensive Care Med** 1984;10(6):293–5

The value of cardiac monitoring during peripheral arterial stress testing in the surgical management of peripheral vascular disease. Gardine RL, et al. **J Cardiovasc Surg (Torino)** 1985 May–Jun;26(3):258–61

Can cardiac death be predicted from an ambulatory 24-hour ECG? Velema JP, et al. **J Chronic Dis** 1985;38(3):233–9

Clinical evaluation of two methods of subdural pressure monitoring. Barlow P, et al. **J Neurosurg** 1985 Oct; 63(4):578–82

Postoperative paraplegia with preserved intraoperative somatosensory evoked potentials. Case report. Ginsburg HH, et al. **J Neurosurg** 1985 Aug;63(2):296–300

Intracranial pressure monitoring by flaccid-cuff catheter in an animal model. Miller JD, et al. **J Neurosurg** 1985 Aug; 63(2):242–5

Use of intraoperative auditory evoked potentials to preserve hearing in unilateral acoustic neuroma removal. Ojemann RG, et al. **J Neurosurg** 1984 Nov;61(5):938–48

End-tidal CO2 and tissue pH in the monitoring of acid-base changes: a composite technique for continuous, minimally invasive monitoring. Das JB, et al. **J Pediatr Surg** 1984 Dec;19(6):758–63

The accuracy of abbreviated esophageal pH monitoring in children. Jolley SG, et al. **J Pediatr Surg** 1984 Dec; 19(6):848–54

Monitoring intravesical bacillus Calmette-Guerin treatment of bladder carcinoma with flow cytometry. Staiano-Coico L, et al. **J Urol** 1985 May;133(5):786–8

Sudden cardiac death during ambulatory Holter monitoring. Report on 3 documented cases. Rettig G, et al. **Jpn Heart J** 1984 Jul;25(4):639–49

Bedside intracranial pressure monitoring [letter] McWilliam R, et al. **Lancet** 1985 Aug 10;2(8450):341

In situ monitoring of myocardial metabolism by laser fluorimetry: relevance of a test of local ischemia. Renault G, et al. **Lasers Surg Med** 1985;5(2):111–22

Compiled profile of respiration, heart beat and motility in newborn infants: a methodological approach. Scholten CA, et al. **Med Biol Eng Comput** 1985 Jan;23(1):15–22

Cutaneous postocclusive reactive hyperemia monitored by laser doppler flux metering and skin temperature. Ninet J, et al. **Microvasc Res** 1985 Jul;30(1):125–32

Cardiopulmonary monitoring [letter] Rosen AS. **N Engl J Med** 1985 Jan 3;312(1):52

Monitoring oxygen transcutaneously in critically ill patients [letter] Tremper KK, et al. **N Engl J Med** 1985 Jan 24; 312(4):241

Drug therapy. Serum bactericidal activity as a monitor of antibiotic therapy. Wolfson JS, et al. **N Engl J Med** 1985 Apr 11;312(15):968–75 (101 ref.)

In vivo electrochemical monitoring of apomorphine penetration into the rat brain. Marcenac FM, et al. **Neurosci Lett** 1985 Apr 19;55(3):305–10

Use of antidromic recording to monitor facial nerve function intraoperatively. Richmond IL, et al. **Neurosurgery** 1985 Apr;16(4):458–62

A quantitative assessment of the brain stem auditory evoked response during intraoperative monitoring. Zappulla R, et al. **Neurosurgery** 1984 Aug;15(2):186–91

Monitoring intracranial pressure [letter] Woolner M. **Nurs Res** 1984 Nov–Dec;33(6):376

Blood glucose monitoring in childhood diabetes. Connors MH. **Nurse Pract** 1984 Sep;9(9):30, 32, 62

Serum fructosamine in patients with diabetes mellitus. Baker J, et al. **NZ Med J** 1985 Jul 10;98(782):532–5

Goals and assessment of diabetic control. Scott DJ, et al. **NZ Med J** 1985 Jul 10;98(782):536–8

Monitoring lens transparency during in vitro incubation by Scheimpflug photography and densitometric image analysis. Hockwin O, et al. **Ophthalmic Res** 1985; 17(2):96–101

Quantitative monitoring of fundus changes. Miszalok V, et al. **Ophthalmologica** 1985;190(1):7–19

Remote monitoring of evoked potentials. Keim RJ. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):23–7

The 'dynamic transcutaneous PO2 histogram' or how to deal with immense quantities of monitoring data. Fallenstein F, et al. **Pediatrics** 1985 Mar;75(3):608–13

Transcutaneous oxygen and flaps. Achauer BM, et al. **Plast Reconstr Surg** 1984 Nov;74(5):721–2

Monitoring muscle viability using evoked M waves. Fasching MC, et al. **Plast Reconstr Surg** 1985 Feb;75(2):217–22

Behavioural voltammetry: its application in aggression research. Mos J, et al. **Prog Clin Biol Res** 1984;167:179–89

Value of nocturnal monitoring of transcutaneous O2 and CO2 pressures in adults with respiratory failure. Brambilla I, et al. **Respiration** 1985;48(1):81–90

Alternative sites for continuous arterial monitoring. Gordon LH, et al. **South Med J** 1984 Dec;77(12):1498–500

A noninvasive method for monitoring the effects of increased intracranial pressure with near infrared spectrophotometry. Cairns CB, et al. **Surg Gynecol Obstet** 1985 Aug; 161(2):145–8

Prinzmetal's variant form of angina pectoris: a case detected by continuous Holter monitoring. Liu CZ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Jan;84(1):117–26

Rectal temperature monitoring during neodymion–YAG laser irradiation for prostatic carcinoma. Beisland HO, et al. **Urol Res** 1984;12(5):257–9

Simultaneous registration of sleep–stages and bladder activity in enuresis. Nørgaard JP, et al. **Urology** 1985 Sep; 26(3):316–9

[Value of cassette–recorded long–term 8–channel EEG monitoring in status epilepticus––technical note] Monge–Strauss MF, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Apr; 14(4):305–7 (Eng. Abstr.) (Fre)

[Value of cassette–recorded long–term 8–channel EEG monitoring––ambulatory recording in known epileptics] Monge–Strauss MF, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Apr; 14(4):309–18 (Eng. Abstr.) (Fre)

[Ambulatory EEG monitoring (Medilog 9000). Initial results in a pediatric population] Plouin P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Apr; 14(4):363–7 (Eng. Abstr.) (Fre)

[A simple method for monitoring spontaneous respiration] Klöss T, et al. **Anaesthesist** 1985 Jul;34(7):371–2 (Eng. Abstr.) (Ger)

[Methodologic aspects of the intraoperative monitoring of evoked potentials] Hacke W, et al. **EEG EMG** 1984 Sep; 15(3):127–31 (Eng. Abstr.) (Ger)

[Spinal cord monitoring during spinal operations] Grobman J. **Orthopade** 1985 Feb;14(1):50–3 (Ger)

[Diagnosis of sinoatrial dysfunction by dynamic electrocardiography] Mastrocola C, et al. **Cardiologia** 1983 Dec;28(12):999–1005 (Eng. Abstr.) (Ita)

[Patient care in the CCU] Fukunami M, et al. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):476–81 (53 ref.) (Jpn)

[Patient monitoring system in the operating room] Kugimiya T, et al. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):504–9 (Jpn)

[Respiratory monitoring in the respiratory care unit] Kuratomi Y, et al. **Iyodenshi To Seitai Kogaku** 1984 Dec; 22(7):482–9 (24 ref.) (Jpn)

[Patient monitoring in the obstetrical and neonatal intensive care units] Maeda K. **Iyodenshi To Seitai Kogaku** 1984 Dec; 22(7):497–503 (Jpn)

[Patient monitoring system in the intensive care unit] Tachimori Y, et al. **Iyodenshi To Seitai Kogaku** 1984 Dec; 22(7):470–5 (Jpn)

[In vivo time lag and response time of transcutaneous oxygen monitoring] Andoh T, et al. **Masui** 1985 May;34(5):595–8 (Eng. Abstr.) (Jpn)

[A computerized method for the administration of heparin and protamine during open–heart surgery] Isshiki A, et al. **Masui** 1984 Dec;33(12):1323–8 (Eng. Abstr.) (Jpn)

[Usefulness of transcutaneously monitored oxygen and carbon dioxide tensions during lung lavage and the relationship with simultaneously measured arterial blood–gas levels] Ogawa H, et al. **Masui** 1984 Jul; 33(7):754–60 (Eng. Abstr.) (Jpn)

[Continuous muscle and subcutaneous tissue pH monitoring with polymer sensor] Tamura M, et al. **Masui** 1984 Aug; 33(8):875–81 (Eng. Abstr.) (Jpn)

[An etiological aspect of normal pressure hydrocephalus. With special reference to diagnostic significance of continuous intracranial pressure monitoring] Katoh Y. **Neurol Med Chir (Tokyo)** 1984 Sep;24(9):670–7 (Eng. Abstr.) (Jpn)

[Monitoring system of local cortical blood flow during operation. Evaluation of measurement by using a plate type probe] Takeuchi S, et al. **Neurol Med Chir (Tokyo)** 1984 Dec;24(12):915–21 (Eng. Abstr.) (Jpn)

[Blood pressure determination. b. Non–invasive monitoring] Kanai H. **Nippon Rinsho** 1984 Dec;42(12):2731–6 (24 ref.) (Jpn)

[Circulatory monitoring at the intensive care unit. b. The role of non–invasive monitoring methods] Matsuo H, et al. **Nippon Rinsho** 1984 Dec;42(12):2698–705 (Jpn)

[Blood pressure determination. a. Unrestrained–invasive monitoring] Tochikubo O, et al. **Nippon Rinsho** 1984 Dec; 42(12):2722–30 (Jpn)

[Some practical problems and several methodological trials in continuous intracranial pressure monitoring] Aruga T, et al. **No Shinkei Geka** 1985 Jan;13(1):27–34 (Eng. Abstr.) (Jpn)

[Trial production of non–invasive monitoring system from the anterior fontanelle on intracranial pressure] Honda E, et al. **No Shinkei Geka** 1984 Dec;12(13):1487–93 (Eng. Abstr.) (Jpn)

[Continuous monitoring of cerebral blood volume in cats using a reflectance spectrophotometer] Yoshida S, et al. **No To Shinkei** 1985 Feb;37(2):187–92 (Eng. Abstr.) (Jpn)

[Development and application of blood gas monitoring technology] Hagihara B. **Rinsho Byori** 1984 Oct; 32(10):1065–75 (48 ref.) (Jpn)

[An approach of infectious disease. Neonatal infection] Nishida A, et al. **Rinsho Byori** 1984 Aug;32(8):842–9 (Jpn)

[Appraisal of therapeutic agents for peptic ulcer by continuous intragastric pH monitoring] Saeki S, et al. **Rinsho Byori** 1984 Oct;32(10):1076–83 (Jpn)

[A novel method of measurement of gastric acid secretion in intact and conscious rats] Hagiwara M, et al. **Yakugaku Zasshi** 1984 Oct;104(10):1090–4 (Eng. Abstr.) (Jpn)

[Behavioral and pharmacological studies of spontaneous motor activity of mice by the wheel–cage method] Nakamura K. **Yakugaku Zasshi** 1984 Jun;104(6):644–51 (Eng. Abstr.) (Jpn)

[Automatic 24–hour monitoring of arterial pressure] Bogdanova MM. **Kardiologiia** 1985 Jan;25(1):90–3 (49 ref.) (Rus)

STANDARDS

A quality control analysis of aminoglycoside management. Quebbeman EJ, et al. **Arch Surg** 1985 Sep;120(9):1069–71

Subjective and objective measurement of tidal volume in critically ill patients. Semmes BJ, et al. **Chest** 1985 May; 87(5):577–9

AHA special report. Recommendations for standards of instrumentation and practice in the use of ambulatory electrocardiography. The Task Force of the Committee on Electrocardiography and Cardiac Electrophysiology of the Council on Clinical Cardiology. Sheffield LT, et al. **Circulation** 1985 Mar;71(3):626A–636A

Unreliability of conventional visual electrocardiographic monitoring for detection of transient ST segment changes in a coronary care unit. Biagini A, et al. **Eur Heart J** 1984 Oct;5(10):784–91

Monitoring 24–hour blood pressure in a drug trial. Evaluation of a noninvasive device. Berglund G, et al. **Hypertension** 1985 Sep–Oct;7(5):688–94

Re: Evaluation of the first 70 patients in the Center for Male Sexual Dysfunction of Beth Israel Medical Center [letter] Klein M, et al. **J Urol** 1985 Apr;133(4):687–8

UTILIZATION

Patient monitoring in the operating theatre. A comparison of practice between 1976 and 1983. Mackenzie N, et al. **Anaesthesia** 1985 Feb;40(2):141–5

VETERINARY

Indwelling rumino–reticulum bolus radio beacon. Kath GS, et al. **Am J Vet Res** 1985 Jan;46(1):136–7

[Monitoring circulation in the horse during sedation and anesthesia by indirect blood pressure measurement] Fritsch R, et al. **Berl Munch Tierarztl Wochenschr** 1985 May 1; 98(5):166–73 (Eng. Abstr.) (Ger)

MONKEY DISEASES

Clinical and pathologic features of an acquired immune deficiency syndrome (AIDS) in macaque monkeys. Letvin NL, et al. **Adv Vet Sci Comp Med** 1984;28:237–65

Transmission of simian acquired immunodeficiency syndrome (SAIDS) with type D retrovirus isolated from saliva or urine. Gravell M, et al. **Proc Soc Exp Biol Med** 1984 Dec; 177(3):491–4

COMPLICATIONS

An outbreak of Plasmodium inui malaria in a colony of diabetic rhesus monkeys. Schofield LD, et al. **Lab Anim Sci** 1985 Apr;35(2):167–8

CONGENITAL

[Persistent pupillary membranes in a cynomolgus monkey] Suzuki MT, et al. **Jikken Dobutsu** 1985 Jan;34(1):81–4 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Coloboma of optic nerve associated with serous maculopathy. A clinicopathologic correlative study. Lin CC, et al. **Arch Ophthalmol** 1984 Nov;102(11):1651–4

Spinal coccidioidomycosis in a baboon. Rosenberg DP, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1379–81

Hemoperitoneum associated with endometriosis in a rhesus monkey. Schiffer SP, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1375–7

Characterization of Gilbert–like syndrome in squirrel monkeys (Saimiri sciureus). Cornelius CE, et al. **J Med Primatol** 1985;14(2):59–74

Adult polycystic kidney disease in a rhesus monkey (Macaca mulatta). Kessler MJ, et al. **J Med Primatol** 1984; 13(3):147–52

Tuberculosis in wild olive baboons, Papio cynocephalus anubis (Lesson), in Kenya. Tarara R, et al. **J Wildl Dis** 1985 Apr;21(2):137–40

Psorergatic acariasis in vervet monkeys. Seier JV. **Lab Anim** 1985 Jul;19(3):236–9

A Yaba–like condition in a young baboon (Papio anubis). Whittaker D, et al. **Lab Anim** 1985 Jul;19(3):177–9

Endometriosis with bacterial peritonitis in a baboon. DaRif CA, et al. **Lab Anim Sci** 1984 Oct;34(5):491–3

Villus atrophy and malabsorption in a rhesus monkey. Harris RL, et al. **Lab Anim Sci** 1984 Dec;34(6):610–3

Diagnostic exercise: subcutaneous nodules in rhesus monkeys. Spencer AJ. **Lab Anim Sci** 1985 Feb;35(1):79–80

Seroepidemiological survey on dengue and Japanese encephalitis virus infections in Asian monkeys. Yuwono J, et al. **Southeast Asian J Trop Med Public Health** 1984 Jun;15(2):194–200

DRUG THERAPY

Treatment of pulmonary acariasis in rhesus macaques with ivermectin. Joseph BE, et al. **Lab Anim Sci** 1984 Aug; 34(4):360–4

ETIOLOGY

Simian AIDS: evidence for a retrovirus etiology. Gardner M, et al. **Front Radiat Ther Oncol** 1985;19:26–32 (24 ref.)

Cardiomyopathy associated with vitamin E deficiency in seven gelada baboons. Liu SK, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1347–50

Secondary amyloidosis in rhesus monkeys with chronic indwelling venous catheters. Doepel FM, et al. **Lab Anim Sci** 1984 Oct;34(5):494–6

IMMUNOLOGY

An acquired immune deficiency syndrome of macaque monkeys. Letvin NL, et al. **Ann NY Acad Sci** 1984; 437:121–30

Depression of lymphocyte responses to mitogens in mangabeys with disseminated experimental leprosy. Martin LN, et al. **Cell Immunol** 1985 Jan;90(1):115–30

Immunologic alterations in monkeys with simian acquired immunodeficiency syndrome (SAIDS). Budzko DB, et al. **Proc Soc Exp Biol Med** 1985 Jun;179(2):227–31

Immune defects in simian acquired immunodeficiency syndrome. Maul DH, et al. **Vet Immunol Immunopathol** 1985 Feb;8(3):201–14

METABOLISM

In vitro incorporation of (U–C14)–glucose and (1–C14)–sodium acetate in peripheral nerves of malnourished young rhesus monkeys. Rana SV, et al. **J Med Primatol** 1984;13(5):261-8

MICROBIOLOGY

Studies on simian hemorrhagic fever virus nucleocapsids. Sagripanti JL. **Arch Virol** 1984;82(1-2):49-59

The genome of simian hemorrhagic fever virus. Sagripanti JL. **Arch Virol** 1984;82(1-2):61-72

Biology of T-cell leukemia virus: search for an animal system. Miyoshi I. **Curr Top Microbiol Immunol** 1985;115:143-56

Simian AIDS--evidence for a retroviral etiology. Gardner M, et al. **Hematol Oncol** 1984 Jul-Sep;2(3):259-68

Spontaneous nocardiosis with brain abscess caused by Nocardia asteroides in a cynomolgus monkey. Sakakibara I, et al. **J Med Primatol** 1984;13(2):89-95

Ultrastructural comparison of the retroviruses associated with human and simian acquired immunodeficiency syndromes. Munn RJ, et al. **Lab Invest** 1985 Aug; 53(2):194-9

'Intestinal spirochaetosis' of the vervet monkey. Cowley HM, et al. **Onderstepoort J Vet Res** 1985 Mar;52(1):47-50

Morphology of the retroviruses associated with AIDS and SAIDS. Lecatsas G, et al. **Proc Soc Exp Biol Med** 1984 Dec;177(3):495-8

Isolation of T-cell tropic HTLV-III-like retrovirus from macaques. Daniel MD, et al. **Science** 1985 Jun 7; 228(4704):1201-4

Polyadenylic acid sequences in the genomic RNA of the togavirus of simian hemorrhagic fever. Sagripanti JL. **Virology** 1985 Sep;145(2):350-5

[Lesions of the vascular tract of the eye (uveitis) caused by enteroviruses in man and monkeys] Koroleva GA, et al. **Vopr Virusol** 1984 Jul-Aug;29(4):447-54 (Eng. Abstr.) **(Rus)**

[Intestinal microflora of monkeys, normal and in pathology, and its correction by preparations of live bacteria from human biocenosis (coli bacteria, bifikol and bifidum bacterin)] Dzhikidze EK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Dec;(12):44-8 (Eng. Abstr.) **(Rus)**

MORTALITY

Immunologic abnormality in a group of Macaca arctoides with high mortality due to atypical mycobacterial and other disease processes. Holmberg CA, et al. **Am J Vet Res** 1985 May;46(5):1192-6

OCCURRENCE

Obesity in macaques: spontaneous and induced. Kemnitz JW. **Adv Vet Sci Comp Med** 1984;28:81-114 (125 ref.)

Seroepizootiology of the herpesvirus Papio (HVP) infection in healthy baboons (Papio hamadryas) of high- and low-lymphoma risk populations. Voevodin AF, et al. **Exp Pathol** 1985;27(1):33-9

Frequency of naturally occurring strabismus in monkeys. Kiorpes L, et al. **J Pediatr Ophthalmol Strabismus** 1985 Mar-Apr;22(2):60-4

Influence of housing conditions on pregnancy outcome in cynomolgus monkeys (Macaca fascicularis). Boot R, et al. **Lab Anim** 1985 Jan;19(1):42-7

A survey of the pathology of marmosets (Callithrix jacchus) under experiment. Tucker MJ. **Lab Anim** 1984 Oct; 18(4):351-8

Spread and distribution of human T-cell leukaemia virus type I-reactive antibody among baboons and monkeys in the northern and eastern Transvaal. Botha MC, et al. **S Afr Med J** 1985 Apr 27;67(17):665-8

[An outbreak of toxoplasmosis at a zoo] Borst GH. **Tijdschr Diergeneeskd** 1984 Oct 1;109(19):763 **(Dut)**

[Outbreak of shigellosis among non-human primates maintained in captivity] Brito Loureiro EC, et al. **Rev Latinoam Microbiol** 1984 Oct-Dec;26(4):305-8 (Eng. Abstr.) **(Por)**

PARASITOLOGY

Intestinal parasites of the free-ranging Cayo Santiago rhesus monkeys (Macaca mulatta). Kessler MJ, et al. **J Med Primatol** 1984;13(2):57-66

Development of Dipetalonema gracile in the squirrel monkey (Saimiri sciureus), with notes on its biology. Travi BL, et al. **J Parasitol** 1985 Feb;71(1):17-9

The vertical dispersion of Anopheles (Kerteszia) cruzi in a forest in southern Brazil suggests that human cases of malaria of simian origin might be expected. Deane LM, et al. **Mem Inst Oswaldo Cruz** 1984 Oct-Dec;79(4):461-3

First report of natural infection with quartan malaria parasite Plasmodium shortti in Macaca fascicularis umbrosa (= virus) of Nicobar Islands [letter] Sinha S, et al. **Trans R Soc Trop Med Hyg** 1984;78(4):567

Comparative infectivity of knobless and knobby clones of Plasmodium falciparum in splenectomized and intact Aotus trivirgatus monkeys. Lanners HN, et al. **Z Parasitenkd** 1984;70(6):739-45

PATHOLOGY

Retroperitoneal fibromatosis and acquired immunodeficiency syndrome in macaques. Pathologic observations and transmission studies. Giddens WE Jr, et al. **Am J Pathol** 1985 May;119(2):253-63

Scanning and transmission electron microscopy of cysts in the renal cortex of the macaque monkey. Miyoshi M, et al. **Arch Histol Jpn** 1984 Aug;47(3):259-69

Leprosy in a mangabey monkey—naturally acquired infection. Meyers WM, et al. **Int J Lepr Other Mycobact Dis** 1985 Mar;53(1):1-14

Adenocarcinoma of the small intestine in two rhesus monkeys. Fanton JW, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1377-8

Necrotizing cellulitis in a squirrel monkey. Line S, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1378-9

Gastric amebiasis in a silvered leaf monkey. Palmieri JR, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1374-5

Trichoepithelioma in a Barbary ape (Macaca sylvanus): review of cutaneous tumors in nonhuman primates and case report. Brack M, et al. **J Med Primatol** 1984;13(3):159-64

Ovarian adenocarcinoma in a bonnet monkey: histologic and ultrastructural features. Bunton TE, et al. **J Med Primatol** 1983;12(2):106-11

Intraductal mammary carcinoma and benign ovarian teratoma in a rhesus monkey. Eydelloth RS, et al. **J Med Primatol** 1983;12(2):101-5

A spontaneous bronchogenic carcinoma in a Sykes monkey (Cercopithecus mitis stuhlmani). Suleman MA, et al. **J Med Primatol** 1984;13(3):153-7

Renal papillary adenoma in a cotton-topped tamarin (Saguinus oedipus). Brack M. **Lab Anim** 1985 Apr; 19(2):132-3

Aspiration pneumonia with adenovirus infection in a Japanese macaque (Macaca fuscata fuscata). Umemura T, et al. **Lab Anim** 1985 Jan;19(1):39-41

Diagnostic exercise. Cutaneous acariasis. Baskin GB, et al. **Lab Anim Sci** 1984 Dec;34(6):602-3

Paralysis due to a glomangioma in a Macaca mulatta. Hubbard GB, et al. **Lab Anim Sci** 1984 Dec;34(6):614-5

Disseminated nocardiosis in three macaque monkeys. Liebenberg SP, et al. **Lab Anim Sci** 1985 Apr;35(2):162-6

Calcinosis circumscripta in two rhesus monkeys. Line SW, et al. **Lab Anim Sci** 1984 Dec;34(6):616-8

A pathological study in cynomolgus monkeys infected with Edesonfilaria malayensis. Nonoyama T, et al. **Lab Anim Sci** 1984 Dec;34(6):604-9

Clear cell carcinoma of the lung in a pigtailed macaque. Tsai CC, et al. **Lab Anim Sci** 1985 Feb;35(1):85-8

Neutrophilic nodules in the intestinal walls of Japanese monkeys associated with the neutrophil chemotactic activity of larval extracts and secretions of Oesophagostomum aculeatum. Horii Y, et al. **Res Vet Sci** 1985 Jan;38(1):115-9

An outbreak of poliomyelitis caused by poliovirus type I in captive black and white colobus monkeys (Colobus abyssinicus kikuyuensis) in Kenya. Suleman MA, et al. **Trans R Soc Trop Med Hyg** 1984;78(5):665-9

Malignant lymphoma in a colony of Macaca arctoides. Holmberg CA, et al. **Vet Pathol** 1985 Jan;22(1):42-5

Prostatic carcinoma in a rhesus monkey (Macaca mulatta). Hubbard GB, et al. **Vet Pathol** 1985 Jan;22(1):88-90

Mammary carcinoma with metastasis in a rhesus monkey (Macaca mulatta). Hubbard GB, et al. **Vet Pathol** 1984 Sep; 21(5):531-3

Glomangiomas in four irradiated Macaca mulatta. Hubbard GB, et al. **Vet Pathol** 1984 Nov;21(6):609-10

Spontaneous nasopharyngeal malignancies in the common marmoset. McIntosh GH, et al. **Vet Pathol** 1985 Jan; 22(1):86-8

Microfilarial granulomas in the spleens of wild-caught cynomolgus monkeys (Macaca fascicularis). Narama I, et al. **Vet Pathol** 1985 Jul;22(4):355-62

Calcium pyrophosphate deposition in nonhuman primates. Roberts ED, et al. **Vet Pathol** 1984 Nov;21(6):592-6

Adrenal lesions in the baboon (Papio spp). Skelton-Stroud PN, et al. **Vet Pathol** 1985 Mar;22(2):141-6

Encephalitozoonosis in squirrel monkeys (Saimiri sciureus). Zeman DH, et al. **Vet Pathol** 1985 Jan;22(1):24-31

Melioidosis in a banded leaf-monkey (Presbytis melalophos). Mutalib AR, et al. **Vet Rec** 1984 Oct 27;115(17):438-9

[Abnormal findings in the ocular fundi of colony-born cynomolgus monkeys] Suzuki MT, et al. **Jikken Dobutsu** 1985 Apr;34(2):131-40 (Eng. Abstr.) **(Jpn)**

[Ultrastructural changes in the CNS of monkeys with the chronic form of tick-borne encephalitis] Erman BA, et al. **Arkh Patol** 1985;47(3):46-52 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Spontaneous lobster claw deformity in a silvery marmoset (Callithrix argentata). Pugsley SL. **Lab Anim** 1984 Oct; 18(4):388-9

TRANSMISSION

[Monkeys as a source of human viral diseases] Pille ER. **Vopr Virusol** 1985 Mar-Apr;30(2):138-44 (48 ref.) **(Rus)**

MONKEY, JAPANESE see **MACACA**

MONKEY POX VIRUS see under **POXVIRIDAE**

MONKEY, SPIDER see **CEBIDAE**

MONKEY, TALAPOIN see **CERCOPITHECIDAE**

MONKEY, WOOLLY see **CEBIDAE**

MONKEYS see **ANTHROPOIDEA**

MONKEYS, NEW WORLD see **CEBIDAE**

MONKEYS, OLD WORLD see **CERCOPITHECIDAE**

MONOACYLGLYCEROL LIPASES see under **CARBOXYLIC ESTER HYDROLASES**

MONOACYLGLYCEROLS see **GLYCERIDES**

MONOAMINE OXIDASE

Amine oxidases: a Cambridge workshop, August 4-6, 1984. An informal look at the biochemistry, pharmacology and clinical importance of amine oxidases. **J Pharm Pharmacol** 1984 Nov;36 Suppl:1W-70W

ANALYSIS

Changes in rat liver and brain monoamine oxidase activity after acute treatment with some heavy metal salts. Yanev S, et al. **Acta Physiol Pharmacol Bulg** 1984;10(3):36-45

Selective, irreversible in vivo binding of [11C]clorgyline and [11C]-L-deprenyl in mice: potential for measurement of functional monoamine oxidase activity in brain using positron emission tomography. MacGregor RR, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3207-10

Effect of 6-aminonicotinamide on monoamine oxidase and Na+K+ATPase activity in different regions of rat brain. Mayanil CK, et al. **Biochem Pharmacol** 1984 Oct 1; 33(19):3021-3

Monoamine oxidase in single nerve cell bodies from locus coeruleus of the rat. A microgasometric study. Sket D, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1025-8

Effect of styrene oxide on levels of biogenic amines and activity of monoamine oxidase in different parts of rat brain. Husain R, et al. **Bull Environ Contam Toxicol** 1985 May; 34(5):722-9

Modulation of myosin isoenzyme populations and activities of monoamine oxidase and phenylethanolamine-N-methyltransferase in pressure loaded and normal rat heart by swimming exercise and stress arising from electrostimulation in pairs. Rupp H, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1209-18

Quantitative aspects of the histochemical tetrazolium salt reaction on monoamine oxidase activity in rat liver. Frederiks WM, et al. **Histochem J** 1985 Jun;17(6):707-15

Localization and identification of covalently bound flavoproteins in rat liver mitochondria by prelabeling of their flavin moiety. Sato M, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):553-62

Determination of monoamine oxidase B activity by high-performance liquid chromatography. Nissinen E. **J Chromatogr** 1984 Jul 13;309(1):156-9

Characterization of mitochondrial monoamine oxidase of Ascaridia galli. Mishra SK, et al. **J Helminthol** 1985 Jun; 59(2):101-7

Enzyme-histochemical characterization of macrophages in the rat thymus, with special reference to metallophilic cells of the corticomedullary zone. Milićević NM, et al. **J Leukocyte Biol** 1984 Dec;36(6):761-9

A new rapid and sensitive bioluminescence assay for monoamine oxidase activity. Tenne M, et al. **J Neurochem** 1985 May;44(5):1378-84

An improved fluorimetric assay for brain monoamine oxidase. Morinan A, et al. **J Pharmacol Methods** 1985 Jun; 13(3):213-23

On-line radiochemical assay for monoamine oxidase utilizing high-performance liquid chromatography. Nissinen E, et al. **J Pharmacol Methods** 1984 Dec;12(4):247-54

Brain irradiation: effects on regional MAO and COMT activity in the brain of the squirrel monkey and on the incorporation of [14C]tyrosine into catecholamines. Hsu LL. **J Toxicol Environ Health** 1984;14(5-6):749-58

Vascular monoamine oxidase activity in the rat brain: variation with the substrate and the vascular segment. Lasbennes F, et al. **Life Sci** 1985 Jun 10;36(23):2263-8

BLOOD

Cranial irradiation and platelet monoamine oxidase in ALL. Minniti CP, et al. **Acta Haematol (Basel)** 1985;73(2):86-8

Kinetic aspects of human platelet monoamine oxidase thermolability. Wahlund LO, et al. **Acta Physiol Scand** 1984 Oct;122(2):97-102

Platelet MAO activity as a biological marker in subgroups of alcoholism. von Knorring AL, et al. **Acta Psychiatr Scand** 1985 Jul;72(1):51-8

Platelet MAO activity and age at onset of depression in elderly depressed women. Alexopoulos GS, et al. **Am J Psychiatry** 1984 Oct;141(10):1276-8

Platelet MAO activity in anorexia nervosa patients with and without a major depressive disorder. Biederman J, et al. **Am J Psychiatry** 1984 Oct;141(10):1244-7

Platelet MAO in functional psychoses with evidence of brain atrophy [letter] Luchins DJ, et al. **Am J Psychiatry** 1985 Aug;142(8):996-7

Monitoring treatment of pulmonary carcinomas by serial determination of monoamine oxidase and diamine oxidase in blood serum. Kamiński KA, et al. **Arch Geschwulstforsch** 1984;54(5):377-85

Purification of human plasma catalase and monoamine oxidase and the partial characterization of monoamine oxidase. Oosthuizen MM, et al. **Biochem Int** 1984 Dec; 9(6):725–34

Mixture distributions in psychiatric research. Gibbons RD, et al. **Biol Psychiatry** 1984 Jul;19(7):935–61

Platelet monoamine oxidase activity in patients with panic disorder. Gorman J, et al. **Biol Psychiatry** 1985 Aug; 20(8):852–7

Biochemical effects of L-deprenyl in atypical depressives. Liebowitz MR, et al. **Biol Psychiatry** 1985 May; 20(5):558–65

Comparison of whole blood serotonin and platelet MAO in children with schizophrenia and major depressive disorder. Rogeness GA, et al. **Biol Psychiatry** 1985 Mar;20(3):270–5

Platelet monoamine oxidase inhibition by deprenyl and tranylcypromine: implications for clinical use. Simpson GM, et al. **Biol Psychiatry** 1985 Jun;20(6):684–7

Toward a biochemical classification of depressive disorders IX. DST results and platelet MAO activity. Schatzberg AF, et al. **Br J Psychiatry** 1985 Jun;146:633–7

Investigations of the interaction of aluminum with bovine plasma monoamine oxidase. Tsuzuki Y, et al.
Bull Environ Contam Toxicol 1985 Mar;34(3):451–8

A sensitive fluorometric assay for serum monoamine oxidase with kynuramine as substrate. Matsumoto T, et al.
Clin Biochem 1985 Apr;18(2):126–9

Platelet monoamine-oxidase activity in schizophrenia. Relation to genetic load of the illness and treatment with antipsychotic drugs. Kemali D, et al. **Encephale** 1985 Jan–Feb;11(1):31–4

Pharmacokinetics of oral moclobemide in healthy human subjects and effects on MAO-activity in platelets and excretion of urine monoamine metabolites. Wiesel FA, et al. **Eur J Clin Pharmacol** 1985;28(1):89–95

Platelet monoamine oxidase response to lithium treatment in psychiatric patients. Huang LG, et al.
J Clin Psychopharmacol 1984 Dec;4(6):326–31

Platelet monoamine oxidase activity: demographic characteristics contribute to enzyme activity variability. Bridge TP, et al. **J Gerontol** 1985 Jan;40(1):23–8

Biological markers for schizophrenia and the biological high-risk approach. Siever LJ, et al. **J Nerv Ment Dis** 1985 Jan;173(1):4–16 (131 ref.)

Pain as a symptom in depressive disorders and its relationship to platelet monoamine oxidase activity. von Knorring L, et al. **J Neural Transm** 1984;60(1):1–9

Platelet-monoamine oxidase activity in Reye's syndrome. Faraj BA, et al. **J Pediatr Gastroenterol Nutr** 1985 Aug; 4(4):532–6

Blood monoamine oxidases and CT scans in subgroups of chronic schizophrenics. Tachiki KH, et al.
J Psychiatr Res 1984;18(3):233–43

Basic aspects of blood platelet monoamine oxidase activity in hospitalized men alcoholics. Dolinsky ZS, et al.
J Stud Alcohol 1985 Jan;46(1):81–5

Personality traits and monoamine oxidase activity in platelets in depressed patients. Perris C, et al.
Neuropsychobiology 1984;12(4):201–5

Conversion of the neurotoxic precursor
1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine into its pyridinium metabolite by human platelet monoamine oxidase type B. Da Prada M, et al. **Neurosci Lett** 1985 Jun 24;57(3):257–62

Pentametric distribution of platelet monoamine oxidase activity. Cloninger CR, et al. **Psychiatry Res** 1985 Jun; 15(2):133–43

Personality traits and platelet monoamine oxidase in tobacco smokers. Von Knorring L, et al. **Psychol Med** 1985 May; 15(2):327–34

[Platelet monoamine oxidase and sex hormones in a population of depressed patients] Poirier MF, et al.
Encephale 1985 May–Jun;11(3):125–9 (Eng. Abstr.) **(Fre)**

[Serum monoamine oxidase (MAO) in the differential diagnosis of chronic liver disease. I] Averna MR, et al.
Boll Soc Ital Biol Sper 1984 Sep 30;60(9):1671–7 (Eng. Abstr.) **(Ita)**

[Serum monoamine oxidase (MAO) as a prognostic indicator in chronic active hepatitis. II] Averna MR, et al.
Boll Soc Ital Biol Sper 1984 Sep 30;60(9):1679–84 (Eng. Abstr.) **(Ita)**

[The serotonin-monoamine oxidase system after treatment of uterine inertia by reflexotherapy] Markelova VF, et al.
Akush Ginekol (Mosk) 1984 Aug;(8):28–31 (Eng. Abstr.) **(Rus)**

[Serum monoamine oxidase activity in alimentary obesity] Belinskii VP. **Klin Med (Mosk)** 1984 Aug;62(8):105–7 (Eng. Abstr.) **(Rus)**

[Method of determining platelet monoamine oxidase activity] Voloshina ON, et al. **Lab Delo** 1985;(5):289–91 (Eng. Abstr.) **(Rus)**

[Effect of different dietary programs on serum monoamine oxidase activity in patients with obesity] Belinskii VP.
Vopr Pitan 1984 Nov–Dec;(6):26–8 (Eng. Abstr.) **(Rus)**

[State of the serotonin-monoamine oxidase-serotoninopexy system and its relation to immunological indicators in patients with pulmonary tuberculosis] Chernushenko EF, et al. **Vrach Delo** 1985 Apr;(4):66–9 (Eng. Abstr.) **(Rus)**

[Monoamine oxidase in mental diseases] Varečka L.
Bratisl Lek Listy 1984 Aug;82(2):1011–20 (71 ref.) **(Slo)**

CLASSIFICATION

Effect of perchlorate treatment on mitochondrial MAO-A and -B activities. Arai Y, et al. **Med Biol** 1984;62(4):245–9

[Multiplicity of monoamine oxidases] Gorkin VZ, et al.
Vestn Akad Med Nauk SSSR 1984;(8):55–9 (Eng. Abstr.) **(Rus)**

GENETICS

Genetic analysis of platelet monoamine oxidase activity in families of schizophrenic patients. Baron M, et al.
J Psychiatr Res 1985;19(1):9–21

ISOLATION & PURIFICATION

Isolation of pure, catalytically active human liver monoamine oxidase B: antibody complex. Patel NT, et al.
Biochem Biophys Res Commun 1984 Dec 14;125(2):748–54

[Molecular weight of mitochondrial type B MAO in various organs of guinea pig] Obata T, et al.
Nippon Yakurigaku Zasshi 1985 Jan;85(1):23–31 (Eng. Abstr.) **(Jpn)**

METABOLISM

Ontogenetic development of the monoamine oxidase activity and of the metabolism of biogenic monoamines in rat brain. Stancheva S, et al. **Acta Physiol Pharmacol Bulg** 1985; 11(1):3–9

Brain monoamine oxidase in suckling rabbits treated with organophosphorus compound. I. Acute intoxication. Maślińska D. **Acta Physiol Pol** 1984 Mar–Apr;35(2):137–40

Brain and liver monoamine oxidase type A and type B activity in alcoholics and controls. Major LF, et al.
Alcoholism (NY) 1985 Jan–Feb;9(1):6–9

Oxidation of the neurotoxic amine
1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) by monoamine oxidases A and B and suicide inactivation of the enzymes by MPTP. Salach JI, et al
Biochem Biophys Res Commun 1984 Dec 14;125(2):831–5

4-Fluoro-3-nitrophenyl azide, a selective photoaffinity label for type B monoamine oxidase. Chen S, et al.
Biochem Pharmacol 1985 Mar 15;34(6):781–8

Evidence that (+)[3H]amphetamine binds to acceptor sites which are not MAO-A. Lesage A, et al.
Biochem Pharmacol 1985 Aug 15;34(16):3000–2

Human brain monoamine oxidase type B: mechanism of deamination as probed by steady-state methods. Pearce LB, et al. **Biochemistry** 1985 Apr 9;24(8):1821–6

Mechanism of inactivation of monoamine oxidase by 1-phenylcyclopropylamine. Silverman RB, et al.
Biochemistry 1985 Apr 23;24(9):2128–38

Effect of alpha-methylation on inactivation of monoamine oxidase by N-cyclopropylbenzylamine. Silverman RB.
Biochemistry 1984 Oct 23;23(22):5206–13

Carbidopa effect on rat brain monoamine oxidase and pineal melatonin. McIntyre IM, et al. **Biol Psychiatry** 1985 Jul; 20(7):809–11

Cellular localization of MAO A and B in brain: evidence from kainic acid lesions in striatum. Francis A, et al.
Brain Res 1985 May 13;334(1):59–64

Monoamine oxidase-containing neurons in the cat hypothalamus: distribution and ascending projection to the cerebral cortex. Kitahama K, et al. **Brain Res** 1984 Dec 17;324(1):155–9

Localization in rat brain of binding sites for parkinsonian toxin MPTP: similarities with [3H]pargyline binding to monoamine oxidase. Rainbow TC, et al. **Brain Res** 1985 Mar 25;330(2):337–42

Mammalian monoamine-oxidizing enzymes, with special reference to benzylamine oxidase in human tissues. Lewinsohn R. **Braz J Med Biol Res** 1984;17(3–4):223–56

Lack of effect of chloramphenicol on monoamine, diamine and plasma amine oxidase activities. Ali BH.
Clin Exp Pharmacol Physiol 1985 Mar–Apr;12(2):193–5

Membrane lipid environment of carp brain and liver mitochondrial monoamine oxidase. Kinemuchi H, et al.
Comp Biochem Physiol [C] 1985;80(2):245–52

Occurrence of type A and type B monoamine oxidase activities in toad egg mitochondria. Nicotra A, et al.
Comp Biochem Physiol [C] 1984;78(2):353–6

Mitochondrial monoamine oxidase activity during preneural developmental stages of Bufo bufo. Senatori O, et al.
Comp Biochem Physiol [C] 1985;81(2):319–21

Specific cellular expression of monoamine oxidase B during early stages of quail embryogenesis. Levitt P, et al.
Dev Biol 1985 Aug;110(2):346–61

High-affinity binding sites for [3H]MPTP may correspond to monamine oxidase. Parsons B, et al.
Eur J Pharmacol 1984 Jul 13;102(2):375–7

CGP 4718 A, a new potential antidepressant with a dual mode of action. Waldmeier PC, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):79–89

Does brain 5-HIAA indicate serotonin release or monoamine oxidase activity? Wolf WA, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):381–7

Circadian variations in the monoamine levels and monoamine oxidase activity in different regions of the rat brain as a function of age. Bhaskaran D, et al. **Exp Gerontol** 1984; 19(3):153–70

Normetanephrine and metanephrine oxidized by both types of monoamine oxidase. Suzuki O, et al. **Experientia** 1985 May 15;41(5):634–6

Metabolism of the neurotoxin in MPTP by human liver monoamine oxidase B. Fritz RR, et al. **FEBS Lett** 1985 Jul 8;186(2):224–8

Monoamine oxidase reactivity in the human fallopian tube. Donnez J, et al. **Fertil Steril** 1985 Mar;43(3):488–90

Effects of analogues of substance P fragments on the MAO activity in rat brain. Turska E, et al. **Gen Pharmacol** 1985; 16(3):293–5

Histochemical localization of monoamine oxidase in whole-body, freeze-dried sections of mice. Egashira T, et al. **Histochem J** 1984 Sep;16(9):919–29

Biochemical properties and kinetic parameters of monoamine oxydase in human seminal plasma. Roberge AG, et al.
Int J Fertil 1984;29(3):180–5

Intra- and extraneuronal monoamineoxidase-A and -B activities after central axotomy (hemisection) on rats. Stenström A, et al. **J Neural Transm** 1985;61(1–2):105–13

Monoamine oxidase in young and adult rat brain capillaries. Yu PH. **J Neural Transm** 1984;60(3–4):239–45

Guinea pig striatum as a model of human dopamine deamination: the role of monoamine oxidase isozyme ratio, localization, and affinity for substrate in synaptic dopamine metabolism. Azzaro AJ, et al. **J Neurochem** 1985 Sep; 45(3):949–56

1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine:
correspondence of its binding sites to monoamine oxidase in rat brain, and inhibition of dopamine oxidative deamination in vivo and in vitro. Bocchetta A, et al.
J Neurochem 1985 Sep;45(3):673–6

Interaction of N-(2-nitro-4-azidophenyl)-serotonin with two types of monoamine oxidase in rat brain. Chen S, et al. **J Neurochem** 1984 Dec;43(6):1680–7

Studies on the oxidation of the dopaminergic neurotoxin
1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine by
monoamine oxidase B. Heikkila RE, et al. **J Neurochem** 1985 Oct;45(4):1049–54

Radioactive N,N-dimethylphenylethylamine: a selective radiotracer for in vivo measurement of monoamine oxidase-B activity in the brain. Inoue O, et al.
J Neurochem 1985 Jan;44(1):210–6

Kinetics of the mechanism of action of monoamine oxidase in the regulation of Na+,K+-ATPase activity in rat brain. Mayanil CS, et al. **J Neurochem** 1985 Jan;44(1):25–30

Expression of A and B types of monoamine oxidase in differentiated neuroblastoma hybrid cells. Nakano T, et al.
J Neurochem 1985 Mar;44(3):755–8

Deamination of aliphatic amines by monoamine oxidase A and B studied using a bioluminescence technique. Tenne M, et al. **J Neurochem** 1985 May;44(5):1373–7

Amine oxidase activities in brown adipose tissue of the rat: identification of semicarbazide-sensitive
(clorgyline-resistant) activity at the fat cell membrane. Barrand MA, et al. **J Pharm Pharmacol** 1984 Oct; 36(10):652–8

Age-related changes in monoamine oxidase and semicarbazide-sensitive amine oxidase activities of rat aorta. Cao Danh H, et al. **J Pharm Pharmacol** 1985 May; 37(5):354–7

Age-related changes in the activities of the amine metabolizing enzymes of rat eye. Cao Danh H, et al.
J Pharm Pharmacol 1985 May;37(5):357–61

Age-related changes in benzylamine oxidase activity in rat tissues. Cao Danh H, et al. **J Pharm Pharmacol** 1984 Sep; 36(9):592–6

Properties of monoamine oxidase in monkey heart. Katayama M, et al. **Jpn J Pharmacol** 1984 Aug;35(4):425–31

Dopaminergic neurotoxicity of
1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine (MPTP) in the mouse: relationships between monoamine oxidase, MPTP metabolism and neurotoxicity. Heikkila RE, et al.
Life Sci 1985 Jan 21;36(3):231–6

Species differences in monoamine oxidase-A and -B as revealed by sensitivity to trypsin. White HL, et al.
Life Sci 1984 Aug 20;35(8):827–33

Monoamine and diamine oxidative deamination in the longitudinal smooth muscle of guinea pig ileum. Banchelli G, et al. **Med Biol** 1985;63(1):34–9

Saturation of monoamine oxidase by intraneuronal noradrenaline accumulation. Stefano FJ, et al.
Naunyn Schmiedebergs Arch Pharmacol 1984 Dec; 328(2):135–41

Peripheral carbidopa affects striatal monoamine oxidase activity [letter] LeWitt PA, et al. **Neurology** 1985 Aug; 35(8):1258–9

Similar distribution of monoamine oxidase (MAO) and parkinsonian toxin (MPTP) binding sites in human brain. Reznikoff G, et al. **Neurology** 1985 Oct;35(10):1415–9

Cortical projections of monoamine oxidase-containing neurons from the posterior hypothalamus in the rat. Tago H, et al. **Neurosci Lett** 1984 Dec 21;52(3):281–6

N-nitrosodialkylamines do not function as substrates for liver monoamine oxidase. Edmondson DE, et al.
Proc Natl Acad Sci USA 1985 Feb;82(3):682–3

A new method for in vivo measurement of brain monoamine oxidase activity. Inoue O, et al.
Prog Neuropsychopharmacol Biol Psychiatry 1984; 8(3):385–95

Platelet and fibroblast monoamine oxidase in alcoholism. Giller E Jr, et al. **Psychiatry Res** 1984 Aug;12(4):339–47

Benzylamine oxidase activity in spontaneously hypertensive rats. Hayes BE, et al.
Res Commun Chem Pathol Pharmacol 1985 Jan; 47(1):137–40

Distinct monoamine oxidase A and B populations in primate brain. Westlund KN, et al. **Science** 1985 Oct 11;

230(4722):181–3

[Development of positron tracer for in vivo estimation of brain MAO–B activity: theoretical consideration of metabolic–trapping tracers and evaluation of 11C–N,N dimethylphenylethylamine] Inoue O, et al. **Kaku Igaku** 1984 Jun;21(6):671–8 (Eng. Abstr.) **(Jpn)**

[Characterization of rat monoamine oxidase and the alteration of their activities in iron deficiency] Onda K. **Nippon Ika Daigaku Zasshi** 1984 Aug;51(4):482–91 (Eng. Abstr.) **(Jpn)**

[Kinetic study of hepatic mitochondrial monoamine oxidase in the presence of compounds with different polar characteristics] Cravino M, et al. **Acta Med Port** 1984 Sep–Oct;5(9–10):273–7 (Eng. Abstr.) **(Por)**

[Monoamine oxidase activity of the human placenta in nephropathy in pregnancy] Matesha EI. **Akush Ginekol (Mosk)** 1985 May;(5):24–6 (Eng. Abstr.) **(Rus)**

[Subcellular localization, inhibiting specificity and catalytic properties of several aminooxidases from the human placenta] Pekkel' VA, et al. **Biokhimiia** 1985 Feb; 50(2):289–99 (Eng. Abstr.) **(Rus)**

[Effect of solubilization by methylethyl ketone of mitochondrial monoamine oxidase of the rat liver on the kinetic properties of the enzyme] Volkovitskaia OE, et al. **Biokhimiia** 1984 Sep;49(9):1502–9 (Eng. Abstr.) **(Rus)**

[Monoamine oxidase and diamine oxidase activity of the tissues of rats in the convulsive phase of oxygen poisoning] Goroshinskaia IA, et al. **Biol Nauki** 1984;(11):20–4 (Eng. Abstr.) **(Rus)**

[Possible mechanism of the change in the catalytic properties of brain monoamine oxidase in rats] Goroshinskaia IA. **Biull Eksp Biol Med** 1985 Jun;99(6):672–4 (Eng. Abstr.) **(Rus)**

[Trace effects of short–term temperature action in monoamine oxidase activity] Molodtsova GF, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):296–8 (Eng. Abstr.) **(Rus)**

[Brain monoamine oxidase in schizophrenia] Moskvitina TA, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):671–2 (Eng. Abstr.) **(Rus)**

[Polymorphism of arylamine acetyltransferase and monooxygenase participating in metabolism of aromatic amines] Ratnikova LA, et al. **Izv Akad Nauk SSSR [Biol]** 1985 May–Jun;(3):442–55 (Eng. Abstr.) **(Rus)**

[Monoamine oxidase activity in rabbit brain nuclei in experimental acute emotional stress] Gorbunova AV, et al. **Tsitologiia** 1984 Nov;26(11):1318–20 (Eng. Abstr.) **(Rus)**

[Monoamine oxidase activity of rat brain under cold exposure.] Goroshinskaya IA. **Ukr Biokhim Zh** 1985 Mar–Apr;57(2):41–6 (Eng. Abstr.) **(Rus)**

[Mitochondrial monoamine oxidase in progressive Duchenne muscular dystrophy] Badalian LO, et al. **Vopr Med Khim** 1985 Jan–Feb;31(1):68–71 (Eng. Abstr.) **(Rus)**

[Monoamine oxidase in the rat brain in short–term exposure to high temperature] Molodtsova GF, et al. **Vopr Med Khim** 1985 Jan–Feb;31(1):115–7 (Eng. Abstr.) **(Rus)**

[Monoamine oxidases of the brain and problems of central nervous system pathology (review)] Gorkin VZ, et al. **Zh Nevropatol Psikhiatr** 1985;85(7):1062–4 (17 ref.) **(Rus)**

PHARMACODYNAMICS

Influence of MAO A and MAO B on the inactivation of noradrenaline in the saphenous vein of the dog. Caramona MM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):401–6

PHYSIOLOGY

Dopamine sulfoconjugation in the rat brain: regulation by monoamine oxidase. Buu NT. **J Neurochem** 1985 Aug; 45(2):470–6

MONOAMINE OXIDASE INHIBITORS

Reaction of pig plasma benzylamine oxidase with beta–aminopropionitrile. Raimondi L, et al. **Agents Actions** 1985 Apr;16(3–4):95–8

Oxidation of the neurotoxic amine 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) by monoamine oxidases A and B and suicide inactivation of the enzymes by MPTP. Salach JI, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):831–5

Reversible inhibition and mechanism–based irreversible inactivation of monoamine oxidases by 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP). Singer TP, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):707–12

Inhibition of monoamine oxidase in 5–hydroxytryptaminergic neurones by substituted p–aminophenylalkylamines. Ask AL, et al. **Br J Pharmacol** 1985 Jul;85(3):683–90

Inhibition of monoamine oxidase by metaiodobenzylguanidine, a new radiodiagnostic agent. Burba JV. **Can J Physiol Pharmacol** 1985 Feb;63(2):166–8

Effects of reserpine on recovery rates after inhibition of monoamine oxidase in different regions of mouse brain. Hall TR, et al. **Gen Pharmacol** 1984;15(6):485–9

Saturated amines and diamines as substrates which inhibit beef liver mitochondrial monoamine oxidase. Von Korff RW, et al. **J Bioenerg Biomembr** 1984 Dec;16(5–6):597–609

Inhibitory effect of drugs used in the treatment of Parkinson's disease on plasma monoamine oxidase activity. Coelho H, et al. **J Neural Transm** 1985;61(3–4):271–7

Amine oxidases: a Cambridge workshop, August 4–6, 1984. An informal look at the biochemistry, pharmacology and clinical importance of amine oxidases. **J Pharm Pharmacol** 1984 Nov;36 Suppl:1W–70W

Psychopharmacological investigation of the monoamine oxidase inhibitory activity of molindone, a dihydroindolone neuroleptic. Balsara JJ, et al. **J Pharm Pharmacol** 1984 Sep; 36(9):608–13

Inhibition of types A and B monoamine oxidase by 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine. Fuller RW, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):696–701

Sisyphus on the rocks––monoamine oxidase inhibitors. Mack RB. **NC Med J** 1985 Jul;46(7):429–30

Inhibition of monoamine oxidase by hypericin. Suzuki O, et al. **Planta Med** 1984 Jun;50(3):272–4

Studies in vivo and in vitro on N–acetylphenelzine. Danielson TJ, et al. **Proc West Pharmacol Soc** 1984;27:507–10

ADVERSE EFFECTS

Reversal of MAOI–induced anorgasmia with cyproheptadine [letter] Decastro RM. **Am J Psychiatry** 1985 Jun;142(6):783

Toxic reactions to the combination of monoamine oxidase inhibitors and tryptophan. Pope HG Jr, et al. **Am J Psychiatry** 1985 Apr;142(4):491–2

MAOIs, the 'cheese' reaction, and sleep apnea [letter] DeCastro RM. **J Clin Psychopharmacol** 1985 Feb;5(1):59

Neuromuscular effects of monoamine oxidase inhibitors. Lieberman JA, et al. **J Clin Psychopharmacol** 1985 Aug; 5(4):221–8

Adverse reactions to monoamine oxidase inhibitors. Part I. A comparative study. Rabkin J, et al. **J Clin Psychopharmacol** 1984 Oct;4(5):270–8

Adverse reactions to monoamine oxidase inhibitors. Part II. Treatment correlates and clinical management. Rabkin JG, et al. **J Clin Psychopharmacol** 1985 Feb;5(1):2–9

MAOIs and drug interactions––a proposal for a clearinghouse. Shader RI, et al. **J Clin Psychopharmacol** 1985 Jun;5(3):A17

Adverse reaction to combined therapy of MAOIs and tricyclics [letter] Segal M. **J R Soc Med** 1984 Aug; 77(8):707–8

Successful treatment of a monoamine oxidase inhibitor–tyramine hypertensive emergency with intravenous labetolol [letter] Abrams JH, et al. **N Engl J Med** 1985 Jul 4;313(1):52

ANALYSIS

Monoamine oxidase inhibitors in South American hallucinogenic plants Part 2: Constituents of orally–active Myristicaceous hallucinogens. McKenna DJ, et al. **J Ethnopharmacol** 1984 Nov;12(2):179–211

ANTAGONISTS & INHIBITORS

D–amphetamine and DL–alpha–N–methyltryptamine eliminate the irreversible inhibition of mitochondrial monoamine oxidase, caused by clorgyline. The specific action on the tyramine oxidation. Severina IS. **Biochem Int** 1984 Aug;9(2):219–28

BLOOD

Purification of endogenous modulators of monoamine oxidase from plasma. Giambalvo CT. **Biochem Pharmacol** 1984 Dec 15;33(24):3929–32

CHEMICAL SYNTHESIS

Enzyme–activated irreversible inhibitors of monoamine oxidase: phenylallylamine structure–activity relationships. McDonald IA, et al. **J Med Chem** 1985 Feb;28(2):186–93

Biochemical and pharmacological properties of symmetrical 2,5–disubstituted 1,3,4–oxadiazoles. Sharma BL, et al. **Pharmazie** 1984 Dec;39(12):858–9

DIAGNOSTIC USE

Biodistribution of a positron–emitting suicide inactivator of monoamine oxidase, carbon–11 pargyline, in mice and a rabbit. Ishiwata K, et al. **J Nucl Med** 1985 Jun;26(6):630–6

METABOLISM

Pharmacokinetics of oral moclobemide in healthy human subjects and effects on MAO–activity in platelets and excretion of urine monoamine metabolites. Wiesel FA, et al. **Eur J Clin Pharmacol** 1985;28(1):89–95

PHARMACODYNAMICS

Adrenaline and MAO–inhibition in CSF and brain. Rafaelsen OJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1985;56 Suppl 1:98–104

Effects of amiflamine and related compounds on the accumulation of biogenic monoamines in rat brain slices in vitro and ex vivo in relation to their behavioural effects. Rényi L, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 May; 56(5):416–26

4–Fluoro–3–nitrophenyl azide, a selective photoaffinity label for type B monoamine oxidase. Chen S, et al. **Biochem Pharmacol** 1985 Mar 15;34(6):781–8

Effect of superior cervical ganglionectomy on melatonin stimulation by specific MAO–A inhibition. McIntyre IM, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3393–4

Inhibition of bovine brain monoamine oxidase by lead. Unni LK, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2563–6

Mechanism of inactivation of monoamine oxidase by 1–phenylcyclopropylamine. Silverman RB, et al. **Biochemistry** 1985 Apr 23;24(9):2128–38

Effect of alpha–methylation on inactivation of monoamine oxidase by N–cyclopropylbenzylamine. Silverman RB. **Biochemistry** 1984 Oct 23;23(22):5206–13

Increased total activity in the rat after L–tryptophan plus the monoamine oxidase–A inhibitor amiflamine but not after L–tryptophan plus clorgyline. Archer T, et al. **Br J Pharmacol** 1985 Jul;85(3):581–90

Modification of blood pressure and nictitating membrane response to sympathetic amines by selective monoamine oxidase inhibitors, types A and B, in the cat. Finberg JP, et al. **Br J Pharmacol** 1985 Jun;85(2):541–6

Epinephrine accumulation in rat brain after chronic administration of pargyline and LY 51641––comparison with other brain amines. Mefford IN, et al. **Brain Res** 1985 Jul 29;339(2):342–5

Some cardiovascular effects of monoamine oxidase inhibitors in unanaesthetized rats. Marwood JF, et al. **Clin Exp Pharmacol Physiol** 1985 Mar–Apr;12(2):161–8

Inactivation of cytochrome P–450 and monoamine oxidase by cyclopropylamines. Tullman RH, et al. **Drug Metab Rev** 1984;15(5–6):1163–82 (47 ref.)

A monoamine oxidase inhibitor reverses the 'separation syndrome' in a new hamster separation model of depression. Crawley JN. **Eur J Pharmacol** 1985 May 28; 112(1):129–33

The effects of amiflamine on cerebrospinal fluid amine metabolites in the rhesus monkey. Garrick NA, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):1–9

N–methyl,N–propargyl–2–aminotetralins:novel dopamine agonists with monoamine oxidase inhibiting properties. Hazelhoff B, et al. **Eur J Pharmacol** 1985 Feb 26; 109(2):229–40

CGP 4718 A, a new potential antidepressant with a dual mode of action. Waldmeier PC, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):79–89

Determination of 2–phenylethylamine in rat brain after MAO inhibitors, and in human CSF and urine by capillary GC and chemical ionization MS. Lauber J, et al. **J Neural Transm** 1984;60(3–4):247–64

Inhibition of monoamine oxidase by phenyl azides. Chen S, et al. **J Neurochem** 1985 Sep;45(3):940–5

Interaction of N–(2–nitro–4–azidophenyl)–serotonin with two types of monoamine oxidase in rat brain. Chen S, et al. **J Neurochem** 1984 Dec;43(6):1680–7

Inhibition of semicarbazide–sensitive amine oxidase by monoamine oxidase B inhibitors from the oxazolidinone series. Dostert P, et al. **J Pharm Pharmacol** 1984 Nov; 36(11):782–5

An allylamine derivative (MDL 72145) with potent irreversible inhibitory actions on rat aorta semicarbazide–sensitive amine oxidase. Lyles GA, et al. **J Pharm Pharmacol** 1985 May;37(5):329–35

Monoamine oxidase–A selective inhibition in human hypothalamus and liver in–vitro by amiflamine and its metabolites. Tipton KF, et al. **J Pharm Pharmacol** 1985 May;37(5):352–4

Properties of monoamine oxidase in monkey heart. Katayama M, et al. **Jpn J Pharmacol** 1984 Aug;35(4):425–31

Influence of selective, reversible inhibitors of monoamine oxidase on the prolonged depletion of striatal dopamine by 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine in mice. Fuller RW, et al. **Life Sci** 1985 Sep 23;37(12):1089–96

The facilitation of dopaminergic activity in the aged brain by (–)deprenyl. A proposal for a strategy to improve the quality of life in senescence. Knoll J. **Mech Ageing Dev** 1985 May 13;30(2):109–22 (39 ref.)

Protection against the dopaminergic neurotoxicity of 1–methyl–4–phenyl–1,2,5,6–tetrahydropyridine by monoamine oxidase inhibitors. Heikkila RE, et al. **Nature** 1984 Oct 4–10;311(5985):467–9

Selective inhibition by amiflamine of monoamine oxidase type A in rat brain, liver and duodenum. Ask AL. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):56–63

Effects of clorgyline and (–)deprenyl on the deamination of normetanephrine and noradrenaline in strips and homogenates of the canine saphenous vein. Caramona MM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):396–400

Inhibition of monoamine oxidase and semicarbazide–sensitive amine oxidase by mexiletine and related compounds. Eriksson M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):273–8

Stereoselective inhibition of monoamine oxidase and semicarbazide–sensitive amine oxidase by 4–dimethylamino–2,alpha–dimethylphenethylamine (FLA 336). Fowler CJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):279–84

The influence of inhibition of catechol–O–methyl transferase or of monoamine oxidase on the extraneuronal metabolism of 3H-(-)-noradrenaline in the rat heart. Trendelenburg U. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):285-92

On the reversibility of reversible MAO inhibitors. Waldmeier PC. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):305-10

Unit activity in the dorsal raphe in freely-moving cats. Effect of monoamine oxidase inhibitors. Trulson ME, et al. **Neuropharmacology** 1985 Jun;24(6):473-8

Enhancement of phenol-induced tremor caused by central monoamine depletion. Suzuki T, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):153-5

Rat brain concentrations of 5-hydroxytryptamine following acute and chronic administration of MAO-inhibiting antidepressants. Baker GB, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):653-6

Analysis and the effects of some drugs on the metabolism of phenylethylamine and phenylacetic acid. McQuade PS. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):607-14

Rhesus monkey cerebrospinal fluid amine metabolite changes following treatment with the reversible monoamine oxidase type-A inhibitor cimoxatone. Garrick NA, et al. **Psychopharmacology (Berlin)** 1985;86(3):265-9

Phenylethylamine-induced stereotypies in the rat: a behavioral test system for assessment of MAO-B inhibitors. Ortmann R, et al. **Psychopharmacology (Berlin)** 1984; 84(1):22-7

[Inhibition of monoamine oxidase A and B in the heart and brain of the rat with amitriptyline, pargyline and pirlindol] Schraven E, et al. **Arzneimittelforsch** 1984;34(10):1258-60 (Eng. Abstr.) **(Ger)**

[Subcellular localization, inhibiting specificity and catalytic properties of several aminooxidases from the human placenta] Pekkel' VA, et al. **Biokhimiia** 1985 Feb; 50(2):289-99 (Eng. Abstr.) **(Rus)**

[Inhibition of brain monoamine oxidase in the rat by multiple pyrazidol administration] Verevkina IV, et al. **Biull Eksp Biol Med** 1985 May;99(5):583-4 (Eng. Abstr.) **(Rus)**

[Mechanism of the pharmacological effect of monoamine oxidase inhibitors] Gorkin VZ. **Vestn Akad Med Nauk SSSR** 1984;(11):72-5 (24 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Moclobemide and clomipramine in the treatment of depression. A randomized clinical trial. Larsen JK, et al. **Acta Psychiatr Scand** 1984 Sep;70(3):254-60

Influence of aminasine on experimental scrapie in mice. Roikhel VM, et al. **Acta Virol (Praha)** 1984 Jul;28(4):321-4

Monoamine oxidase inhibitors as treatment for depressed patients with primary degenerative dementia (Alzheimer's disease). Jenike MA. **Am J Psychiatry** 1985 Jun; 142(6):763-4

Monoamine oxidase inhibitors in patients with chronic pain [letter] Davidson J, et al. **Arch Gen Psychiatry** 1985 Jun; 42(6):635-6

Treatment of hyperactive children with monoamine oxidase inhibitors. II. Plasma and urinary monoamine findings after treatment. Zametkin A, et al. **Arch Gen Psychiatry** 1985 Oct;42(10):969-73

Treatment of hyperactive children with monoamine oxidase inhibitors. I. Clinical efficacy. Zametkin A, et al. **Arch Gen Psychiatry** 1985 Oct;42(10):962-6

The present status of monoamine oxidase inhibitors. Pare CM. **Br J Psychiatry** 1985 Jun;146:576-84 (88 ref.)

Diet and monoamine oxidase inhibitors: a re-examination. Sullivan EA, et al. **Can J Psychiatry** 1984 Dec;29(8):707-11 (33 ref.)

The treatment of depression: update 1984. Enowitch BI. **Conn Med** 1984 Nov;48(11):703-6 (27 ref.)

Neuroticism and personality disorder in depression. Davidson J, et al. **J Affective Disord** 1985 Mar-Apr;8(2):177-82

Combined MAOI, TCA, and direct stimulant therapy of treatment-resistant depression. Feighner JP, et al. **J Clin Psychiatry** 1985 Jun;46(6):206-9

Panic attack syndrome. Van Winter JT, et al. **J Pediatr** 1984 Oct;105(4):661-5

Monoamine oxidase inhibitors and Sinemet in Shy-Drager syndrome [letter] Rae-Grant A, et al. **Neurology** 1985 Jul; 35(7):1085-6

Monoamine oxidase-inhibiting antidepressants. A clinical update. Murphy DL, et al. **Psychiatr Clin North Am** 1984 Sep;7(3):549-62 (21 ref.)

Monoamine oxidase inhibitors and alprazolam in the treatment of panic disorder and agoraphobia. Sheehan DV. **Psychiatr Clin North Am** 1985 Mar;8(1):49-62 (35 ref.)

Atypical depression. Silberman EK, et al. **Psychiatr Clin North Am** 1984 Sep;7(3):535-47 (46 ref.)

Serotonin agonists and beta-adrenergic agonists as a treatment for depressive disorder: a direct clinical application. Stahl SM. **Psychopharmacol Bull** 1985; 21(1):43-7

A clinical overview of monoamine oxidase inhibitors. Zisook S. **Psychosomatics** 1985 Mar;26(3):240-6, 251 (49 ref.)

[Various aspects of the differential therapy of circular depressions] Prokhorova IS. **Zh Nevropatol Psikhiatr** 1985; 85(4):570-4 (Eng. Abstr.) **(Rus)**

[Effect of pargyline on the response to CO2 stress] Alcalá T, et al. **Rev Esp Fisiol** 1985 Mar;41(1):1-4 (Eng. Abstr.) **(Spa)**

TOXICITY

The lack of hepatotoxicity in the rat with the new and reversible MAO-A inhibitor moclobemide in contrast to iproniazid. Schläppi B. **Arzneimittelforschung** 1985; 35(5):800-3

Investigations of the interaction of aluminum with bovine plasma monoamine oxidase. Tsuzuki Y, et al. **Bull Environ Contam Toxicol** 1985 Mar;34(3):451-8

MONOCLONAL ANTIBODIES see **ANTIBODIES, MONOCLONAL**

MONOCROTOPHOS see under **INSECTICIDES, ORGANOPHOSPHATE**

MONOCYTES

Effect of monocyte migration on low density lipoprotein transport across aortic endothelial cell monolayers. Territo M, et al. **J Clin Invest** 1984 Dec;74(6):2279-84

A procedure for the isolation of highly purified populations of B cells, T cells and monocytes from human peripheral and umbilical cord blood. Hoover ML, et al. **J Immunol Methods** 1985 Apr 8;78(1):71-85

Detection and enumeration of monocytes in human blood with peanut agglutinin. Rosenberg M, et al. **J Immunol Methods** 1985 Jul 16;81(1):7-13

Application of the Beckman JE6-B Elutriator System in the isolation of human monocyte subpopulations. Mason RR, et al. **Scand J Haematol** 1985 Jan;34(1):5-8

[Peritumoral infiltration of mononuclear leukocytes and clinical course in bladder cancer] Flamm J, et al. **Wien Klin Wochenschr** 1984 Oct 12;96(19):735-9 (Eng. Abstr.) **(Ger)**

[Studies on monocytes in acute leukemia. Changes in absolute counts and in staining with alpha-naphthyl butyrate esterase] Ohmoto E, et al. **Rinsho Ketsueki** 1984 Nov; 25(11):1796-802 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Lymphocyte and monocyte localization of altered adrenergic receptors, cAMP responses, and cAMP phosphodiesterase in atopic dermatitis. A possible mechanism for abnormal radiosensitive helper T cells in atopic dermatitis. Cooper KD, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985; 114:41-7

Alterations in plasma-, monocyte-, and lymphocyte-associated fibronectin during cardiopulmonary bypass surgery. Keren G, et al. **Am J Clin Pathol** 1985 May;83(5):629-33

Partial purification from human mononuclear cells and placental plasma membranes of an insulin mediator which stimulates pyruvate dehydrogenase and suppresses glucose-6-phosphatase. Suzuki S, et al. **Arch Biochem Biophys** 1984 Dec;235(2):418-26

Electrophoretic characterization of the protein and glycoprotein content of purified Kurloff cell cytosol. Landemore G, et al. **Biochimie** 1985 Feb;67(2):205-13

Calorimetric studies of the state of water in deeply frozen human monocytes. Takahashi T, et al. **Biophys J** 1985 Mar; 47(3):373-80

Purification of human interleukin 1 from human monocyte culture supernatants and identity of thymocyte comitogenic factor, fibroblast-proliferation factor, acute-phase protein-inducing factor, and endogenous pyrogen. Matsushima K, et al. **Cell Immunol** 1985 May;92(2):290-301

Magnesium content of mononuclear blood cells. Elin RJ, et al. **Clin Chem** 1985 Mar;31(3):377-80

A quantitative and qualitative study of blood monocytes in smokers. Nielsen H. **Eur J Respir Dis** 1985 May; 66(5):327-32

Marker analysis of cloned populations of human monocytes. Treves AJ, et al. **Exp Hematol** 1985 Feb;13(2):111-6

Characterization of human tumor necrosis factor produced by peripheral blood monocytes and its separation from lymphotoxin. Kelker HC, et al. **Int J Cancer** 1985 Jul 15; 36(1):69-73

Stimulation of the proliferation of human bone cells in vitro by human monocyte products with interleukin-1 activity. Gowen M, et al. **J Clin Invest** 1985 Apr;75(4):1223-9

Distribution and concentration of cyclosporin in human blood. Atkinson K, et al. **J Clin Pathol** 1984 Oct; 37(10):1167-71

Absence of platelet membrane glycoproteins IIb/IIIa from monocytes. Clemetson KJ, et al. **J Exp Med** 1985 May 1;161(5):972-83

A simple bioassay for monocyte-derived hepatocyte stimulating factor: increased synthesis of alpha 2-macroglobulin and reduced synthesis of albumin by cultured rat hepatocytes. Koj A, et al. **J Immunol Methods** 1985 Feb 11;76(2):317-27

Biochemical characterization of interleukin 1 from a human monocytic cell line. Krakauer T. **J Leukocyte Biol** 1985 May;37(5):511-8

Beta-adrenergic receptors are different in subpopulations of human circulating lymphocytes. Landmann RM, et al. **J Recept Res** 1984;4(1-6):37-50

IgA containing material in monocytes from patients with IgA nephropathy [letter] Roccatello D, et al. **Nephron** 1984; 38(3):213-4

Expression of the alpha 1-proteinase inhibitor gene in human monocytes and macrophages. Perlmutter DH, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):795-9

Identification and partial characterization of hepatocyte-stimulating factor from leukemia cell lines: comparison with interleukin 1. Woloski BM, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1443-7

Clotting factors secreted by monocytes and macrophages: analytical considerations. van Dam-Mieras MC, et al. **Thromb Res** 1985 Jan 1;37(1):9-19

CLASSIFICATION

Heterogeneity of macrophage populations in human lymphoid tissue and peripheral blood. Hofman FM, et al. **Cell Immunol** 1984 Oct 1;88(1):61-74

Classification of human lymphocytes and monocytes with the OK series of monoclonal antibodies. Talle MA, et al. **Diagn Immunol** 1983;1(3):129-35

Decrease in HLA-DR-positive monocytes in patients with systemic lupus erythematosus (SLE). Shirakawa F, et al. **J Immunol** 1985 Jun;134(6):3560-2

Differential abilities of human peripheral blood monocytes quantitatively or qualitatively differing in HLA-DR and HLA-DS expression to support B cell activation in liquid and semisolid cultures. Whisler RL, et al. **J Immunol** 1985 Jul;135(1):172-9

The distribution of cells of the monocytic-lineage in reactive lymph nodes and non-Hodgkin's lymphomata. Characterization using protein histochemistry, lectin binding and monoclonal antibodies. Freemont AJ, et al. **J Pathol** 1985 Jun;146(2):139-50

CYTOLOGY

Influence of five different anticoagulants on human blood monocyte isolation and functional activities. Nielsen H. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Apr; 93(2):49-52

A microtiter method for long-term in vitro maintenance of human monocyte. Kataoka M, et al. **Am J Hematol** 1985 Mar;18(3):307-12

Calcium requirement for the lymphokine and vitamin D mediated differentiation of monoblastic U937 cells. Atsumi Y, et al. **Am J Med Sci** 1985 Feb;289(2):47-50

Induction of proliferation of human circulating monocytes in vitro by lectin-induced factor(s) from lymphocytes. Ohta M, et al. **Biochem Biophys Res Commun** 1985 Jan 31; 126(2):705-11

Role of immune interferon in the monocytic differentiation of human promyelocytic cell lines induced by leukocyte conditioned medium. Dayton ET, et al. **Blood** 1985 Sep; 66(3):583-94

Rapid changes in surface antigen expression by blood monocytes cultured in suspension or adherent to plastic. Triglia T, et al. **Blood** 1985 Apr;65(4):921-8

Alternative myelomonocytic differentiation of HL-60 reflects dual prospective potency of promyelocytes in human. Parwaresch MR, et al. **Cell Immunol** 1984 Dec; 89(2):385-98

Monocyte/macrophage derived cells in normal and transplanted human kidneys. Alpers CE, et al. **Clin Immunol Immunopathol** 1985 Aug;36(2):129-40

Differences in the in vitro growth pattern of fresh and cryopreserved granulo-monopoietic precursors. Aglietta M, et al. **Cryobiology** 1984 Oct;21(5):486-90

Differential expression of c-fos in hematopoietic cells: correlation with differentiation of monomyelocytic cells in vitro. Müller R, et al. **EMBO J** 1984 Aug;3(8):1887-90

Morphologic alterations in cultured human synovial fibroblasts induced by blood mononuclear cells. Heino J, et al. **Exp Cell Biol** 1984;52(6):347-54

Interferon affects the formation of adhesion plaques in human monocyte cultures. Hovi T, et al. **Exp Cell Res** 1985 Aug; 159(2):305-12

Differentiation of U-937 human monocyte-like cell line by 1 alpha,25-dihydroxyvitamin D3 or by retinoic acid. Opposite effects on insulin receptors. Rouis M, et al. **Exp Cell Res** 1985 Apr;157(2):539-43

Subfractionation of human blood monocyte subsets with Percoll. Weiner RS, et al. **Exp Hematol** 1984 Nov; 12(10):800-4

Histamine H2 receptor activity during the differentiation of the human monocytic-like cell line U-937. Comparison with prostaglandins and isoproterenol. Gespach C, et al. **FEBS Lett** 1985 May 20;184(2):207-13

1 alpha,25-Dihydroxyvitamin D3 (calcitriol) stimulates proliferation of human circulating monocytes in vitro. Ohta M, et al. **FEBS Lett** 1985 Jun 3;185(1):9-13

Differentiation pattern of blood mononuclear cells in liquid culture in normal subjects. Morra L, et al. **Haematologica (Pavia)** 1984 Jul-Aug;69(4):385-93

Viability of cultured peripheral blood mononuclear cells from atopic individuals. Strannegård O, et al. **Int Arch Allergy Appl Immunol** 1984;75(4):289-93

Development of macrophage and granulocyte colonies from human peripheral blood. Treves AJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):271-5

Osteoclast formation from mononuclear phagocytes: role of bone-forming cells. Burger EH, et al. **J Cell Biol** 1984 Dec; 99(6):1901-6

Serum-free conditions for the growth of avian granulocyte and monocyte clones and primary leukemic cells induced by AMV, and the apparent conversion of granulocytic progenitors into monocytic cells by a factor in chicken serum. Dodge WH, et al. **J Cell Physiol** 1985 May; 123(2):264–8

Urokinase-type plasminogen activator and its inhibitor secreted by cultured human monocyte-macrophages. Saksela O, et al. **J Cell Physiol** 1985 Jan;122(1):125–32

Characterization of the adhesion of the human monocytic cell line U937 to cultured endothelial cells. DiCorleto PE, et al. **J Clin Invest** 1985 Apr;75(4):1153–61

The proliferation and function of human mononuclear leukocytes and natural killer cells in serum-free medium. Brown RL, et al. **J Immunol Methods** 1985 Aug 2; 81(2):207–14

Multivariate analysis of the factors associated with the yield and purity of human monocyte isolation by countercurrent centrifugal elutriation (CCE). Miller PJ, et al. **J Immunopharmacol** 1985;7(1):99–123

The separation of cytotoxic human peripheral blood monocytes into high and low phagocytic subsets by centrifugal elutriation. Chiu KM, et al. **J Leukocyte Biol** 1984 Dec;36(6):729–37

Identification and characterization of mononuclear phagocytes isolated from rat testicular interstitial tissues. Miller SC, et al. **J Leukocyte Biol** 1984 Dec;36(6):679–87

Characterization of purified cryopreserved human monocyte function in assays of superoxide production, accessory cell function, chemotaxis, and in fluorescent cell sorter analysis. Stevenson HC, et al. **J Leukocyte Biol** 1984 Oct; 36(4):521–31

Monocytic origin and postnatal mitosis of intravascular macrophages in the porcine lung. Winkler GC, et al. **J Leukocyte Biol** 1985 Oct;38(4):471–80

Immunocytochemical characterization of monocyte colonies of human bone marrow: a clue to the origin of Langerhans cells and interdigitating reticulum cells. Goordyal P, et al. **J Pathol** 1985 Jul;146(3):189–95

The monocyte/macrophage population of the normal human kidney. Marshall RJ, et al. **J Pathol** 1984 Aug;143(4):275–80

Endogenous regulation of macrophage proliferation and differentiation by E prostaglandins and interferon alpha/beta. Moore RN, et al. **Lymphokine Res** 1985 Winter; 4(1) 43–50

Separation of lymphocytes, granulocytes, and monocytes from human blood using iodinated density gradient media. Bøyum A. **Methods Enzymol** 1984;108:88–102

Isolation of human mononuclear leukocyte subsets by countercurrent centrifugal elutriation. Stevenson HC. **Methods Enzymol** 1984;108:242–9

Induction of c-fos during myelomonocytic differentiation and macrophage proliferation. Müller R, et al. **Nature** 1985 Apr 11–17;314(6011):546–8

Expression of the c-fms proto-oncogene during human monocytic differentiation. Sariban E, et al. **Nature** 1985 Jul 4–10;316(6023):64–6

Identification and quantification of monocytes in bovine mononuclear cells. Nagahata H, et al. **Nippon Juigaku Zasshi** 1985 Apr;47(2):325–8

In situ characterization of mononuclear cells in human dental periapical inflammatory lesions using monoclonal antibodies. Nilsen R, et al. **Oral Surg Oral Med Oral Pathol** 1984 Aug;58(2):160–5

Quantitative evaluation of monocyte differentiation by electron microscopy: impairment of differentiation ability in monocytes from children with acute lymphoblastic leukaemia. Tsukada M, et al. **Scand J Haematol** 1985 May; 34(5):406–11

The importance of CO2 in short-term monocyte-macrophage assays [letter] Branch DR, et al. **Transfusion** 1985 Jul–Aug;25(4):399–400

Isolation of mononuclear cells from the peripheral blood of camels (Camelus dromedarius). Zweygarth E. **Zentralbl Veterinarmed** [B] 1984 Dec;31(10):786–9

[Monocyte-macrophage cultures in vitro: theoretical and practical value for leukemia research] Jaworkowsky L, et al. **Folia Haematol (Leipz)** 1984;111(2):169–74 **(Ger)**

[Colony-forming ability of precursor cells of granulomonocytopoiesis in an agar bilayer system in healthy subjects] Balashova VA. **Arkh Anat Gistol Embriol** 1985 Apr;88(4):70–2 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Per- and postoperative monocyte and lymphocyte functions: effects of combined epidural and general anaesthesia. Hole A. **Acta Anaesthesiol Scand** 1984 Aug;28(4):367–71

Adherence and phagocytosis of yeast cells by blood monocytes. Effects in vitro of a therapeutic doxycycline concentration. Athlin L, et al. **Acta Pathol Microbiol Immunol Scand** [C] 1984 Aug; 92(4):227–30

Reduced Fc-receptor function in human monocytes exposed to ethanol in vitro. Mørland B, et al. **Alcohol Alcohol** 1984; 19(3):211–7

Ketotifen effect on secretion of histamine from basophils and on proliferative response of mononuclear cells of human peripheral blood. Gushchin IS, et al. **Allergol Immunopathol (Madr)** 1985 Mar–Apr;13(2):111–21

In vitro induction of cytologic and functional differentiation of the immature human monocytelike cell line U-937 with phorbol myristate acetate. Minta JO, et al. **Am J Pathol** 1985 Apr;119(1):111–26

Effect of bacterial endotoxin on the transmembrane electrical potential and plasma membrane fluidity of human monocytes. Larsen NE, et al. **Biochim Biophys Acta** 1985 Apr 26;815(1):1–8

Regulation of monocyte procoagulant by chemoattractants. Janco RL, et al. **Blood** 1985 Mar;65(3):545–52

Platelet-derived growth factor promotes human peripheral monocyte activation. Tzeng DY, et al. **Blood** 1985 Jul; 66(1):179–83

The chemiluminescent response of human phagocytic cells to mineral dusts. Gormley IP, et al. **Br J Exp Pathol** 1985 Aug;66(4):409–16

Normalization of monocyte candidacidal deficiency by cyclooxygenase inhibitors in Hodgkin's disease. Estevez ME, et al. **Cancer** 1985 Jun 15;55(12):2774–8

Human monocyte activation for cytotoxicity against intracellular Leishmania donovani amastigotes: induction of microbicidal activity by interferon-gamma. Hoover DL, et al. **Cell Immunol** 1985 Sep;94(2):500–11

Effect of gentamicin and sisomicin on the generation of superoxide by human monocytes. Dri P, et al. **Chemioterapia** 1984 Jun;3(3):159–62

Effect of cyclosporine A on procoagulant activity in mononuclear blood cells and monocytes in vitro. Carlsen E, et al. **Clin Exp Immunol** 1985 May;60(2):407–16

Resistance to methylprednisolone in cultures of blood mononuclear cells from glucocorticoid-resistant asthmatic patients. Poznansky MC, et al. **Clin Sci** 1984 Dec; 67(6):639–45

Propranolol's effect on phagocytizing ability of polymorphonuclears and monocytes [letter] Djaldetti M, et al. **Drug Intell Clin Pharm** 1985 Jul–Aug;19(7–8):583

The effect of bilirubin on the phagocytic activity of mouse peripheral granulocytes and monocytes in vivo. Miler I, et al. **Folia Microbiol (Praha)** 1985;30(3):267–71

Effect of dialysable leukocyte extract on the mononuclear leukocytes in Hodgkin's disease. Lukács K, et al. **Haematologia (Budap)** 1985;18(2):105–13

Effect of quinine on phagocytic functions of normal rhesus monkey (Macaca mulatta) monocytes. Prasad RN, et al. **Indian J Med Res** 1984 Apr;79:550–3

Soluble non-cross-linked peptidoglycan polymers stimulate monocyte-macrophage inflammatory functions. Gold MR, et al. **Infect Immun** 1985 Sep;49(3):731–41

Lymphocytosis-promoting factor of Bordetella pertussis alters mononuclear phagocyte circulation and response to inflammation. Meade BD, et al. **Infect Immun** 1984 Dec; 46(3):733–9

Effect of diethyldithiocarbamate (DDC) on human monocyte function and metabolism. Conkling P, et al. **Inflammation** 1985 Jun;9(2):149–61

Induction of interleukin 1 secretion by murine macrophages and human monocytes after stimulation by RU 41740, a bacterial immunomodulator. Guenounou M, et al. **Int J Immunopharmacol** 1985;7(2):287–90

Effect of isoprinosine on natural killer cell activity of blood mononuclear cells in vitro and in vivo. Hersey P, et al. **Int J Immunopharmacol** 1984;6(4):315–20

Studies on the anti-inflammatory properties of thalidomide: effects on polymorphonuclear leukocytes and monocytes. Barnhill RL, et al. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 1):814–9

Down-regulation and recycling of insulin receptors. Effect of monensin on IM-9 lymphocytes and U-937 monocyte-like cells. Carpentier JL, et al. **J Biol Chem** 1984 Nov 25;259(22):14190–5

Modulation of the immune response by gangliosides. Inhibition of adherent monocyte accessory function in vitro. Ladisch S, et al. **J Clin Invest** 1984 Dec;74(6):2074–81

Modulation of human natural killer cell function by L-leucine methyl ester: monocyte-dependent depletion from human peripheral blood mononuclear cells. Thiele DL, et al. **J Immunol** 1985 Feb;134(2):786–93

Reevaluation of the effect of levamisole in chronic brucellosis: in vitro and in vivo effect on monocyte phagocytosis. Boura P, et al. **J Immunopharmacol** 1984; 6(3):135–46

Secretion of colony-stimulating factors by human monocytes and bone marrow cells after in vitro treatment with biological response modifiers. Schlick E, et al. **J Leukocyte Biol** 1985 May;37(5):615–27

The effect of estradiol on human myelomonocytic cells. 1. Enhancement of colony formation. Maoz H, et al. **J Reprod Immunol** 1985 Jun;7(4):325–35

Monocytes phagocytic activity in cyclosporine treated patients. Lun MT, et al. **Microbiologica** 1985 Jul;8(3):277–82

Effect of dietary enrichment with eicosapentaenoic and docosahexaenoic acids on in vitro neutrophil and monocyte leukotriene generation and neutrophil function. Lee TH, et al. **N Engl J Med** 1985 May 9;312(19):1217–24

Effect of cyclosporin A on human neutrophil and monocyte function. Kharazmi A, et al. **Scand J Immunol** 1985 Jun; 21(6):585–91

Adherence of lysostaphin to and penetration into human monocytes. van den Broek PJ, et al. **Scand J Immunol** 1985 Feb;21(2):189–93

Inhibitory effect of 3-deazaadenosine on the thromboplastin response of stimulated human monocytes. Hetland O, et al. **Thromb Res** 1985 Jan 1;37(1):135–43

Effect of cyclosporine on the generation of prostanoids by cultured peripheral lymphocytes. Schultze G, et al. **Transplant Proc** 1984 Oct;16(5):1214–7

The impaired ability of human monocytes to stimulate autologous and allogeneic mixed lymphocyte reactions after exposure to cyclosporine. Associated alterations of HLA-DR expression and physical characteristics of monocytes. Whisler RL, et al. **Transplantation** 1985 Jul; 40(1):57–61

In vitro response of cells from three patients with hairy cell leukemia to a recombinant leukocyte interferon. Hiraoka A, et al. **Virchows Arch [Cell Pathol]** 1985;49(1):73–82

[Effect of ambroxol on the activity of phagocytic cells in vitro] Capsoni F, et al. **Arch Monaldi** 1984 May–Jun; 39(3):235–9 (Eng. Abstr.) **(Ita)**

[Immunosuppressive effects of 1 alpha, 25(OH)2D3 on human lymphocytes and monocytes/macrophages. 1. Suppression of PHA-blastogenesis and IL1 and IL2 production] Iho S, et al. **Arerugi** 1985 Apr;34(4):252–62 (Eng. Abstr.) **(Jpn)**

[The effect of leukotriene B4 (LTB4) on chemotaxis of human peripheral blood monocytes] Katoh M, et al. **Rinsho Ketsueki** 1985 Mar;26(3):349–56 (Eng. Abstr.) **(Jpn)**

[Changes in peripheral blood monocyte number in patients with multiple myeloma treated with melphalan] Mendek-Czajkowska E, et al. **Acta Haematol Pol** 1984 Jul–Dec;15(3–4):119–24 (Eng. Abstr.) **(Pol)**

[Role of polypeptide factors of the hypothalamus and epiphysis in regulating the function of stem cell precursors of granulomonopoiesis] Filev LV, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):481–2 (Eng. Abstr.) **(Rus)**

[Production of gamma interferon and interleukin 2 in mononuclear spleen cells stimulated with concanavalin A] Novak L, et al. **Vopr Virusol** 1984 Sep–Oct;29(5):603–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Tartrate-resistant acid phosphatase staining of monocytes in Gaucher disease. Troy K, et al. **Am J Hematol** 1985 Jul; 19(3):237–44

Metabolism and subcellular localization of angiotensin converting enzyme in cultured human monocytes. Rohrbach MS. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):843–9

Human mononuclear leukocyte transglutaminase activity is enhanced by streptococcal erythrogenic toxin and a staphylococcal mitogenic factor associated with toxic shock syndrome. Zettergren JG, et al. **Biochim Biophys Acta** 1984 Dec 20;802(3):385–9

Formation of a morphologically complex system by peroxidase-positive lysosomal elements in human monocytes. Deimann W, et al. **Blood** 1985 Sep;66(3):514–21

Chemistry of a human monocyte-derived cell line (U937): identification of the angiotensin I-converting activity as leukocyte cathepsin G. Snyder RA, et al. **Blood** 1985 Jan; 65(1):176–82

The activities and subcellular localisation of neutral proteinases in human monocytes and polymorphonuclear leucocytes. Davies M, et al. **Cell Mol Biol** 1984; 30(4):337–43

Cell surface events which may initiate lysosomal enzyme secretion by human monocytes. Leoni P, et al. **Eur J Immunol** 1984 Nov;14(11):997–1002

Processing and transport of lysosomal enzymes in human monocyte line U937. Gupta DK, et al. **Hoppe Seylers Z Physiol Chem** 1984 Aug;365(8):867–76

The hereditary transmission of high glutathione transferase activity towards trans-stilbene oxide in human mononuclear leukocytes. Seidegård J, et al. **Hum Genet** 1985;69(1):66–8

Influence of fever temperatures and of some cytoactive drugs on in vitro lysozyme release from monocytes and granulocytes. Haneberg B, et al. **Int J Immunopharmacol** 1985;7(1):51–5

Elevated umbilical cord blood leukocyte cyclic adenosine monophosphate-phosphodiesterase activity in children with atopic parents. Heskel NS, et al. **J Am Acad Dermatol** 1984 Sep;11(3):422–6

Enhancement by Ca2+ or Mg2+ of catalytic activity of the superoxide-producing NADPH oxidase in membrane fractions of human neutrophils and monocytes. Suzuki H, et al. **J Biol Chem** 1985 Mar 25;260(6):3635–9

Tyrosine kinase activity of the insulin receptor of patients with type A extreme insulin resistance: studies with circulating mononuclear cells and cultured lymphocytes. Grunberger G, et al. **J Clin Endocrinol Metab** 1984 Dec; 59(6):1152–8

Monocyte procoagulant activity in glomerulonephritis associated with systemic lupus erythematosus. Cole EH, et al. **J Clin Invest** 1985 Mar;75(3):861–8

Identification of intracellular factor XIII in human monocytes and macrophages. Henriksson P, et al. **J Clin Invest** 1985 Aug;76(2):528–34

Increased angiotensin-converting enzyme in peripheral blood monocytes from patients with sarcoidosis. Okabe T, et al. **J Clin Invest** 1985 Mar;75(3):911–4

Cytochrome b deficiency in an autosomal form of chronic granulomatous disease. A third form of chronic granulomatous disease recognized by monocyte hybridization. Weening RS, et al. **J Clin Invest** 1985 Mar; 75(3):915–20

Immunohistochemical detection of monocytes by the antiserum specific to monocytic esterase. Lam KW, et al. **J Histochem Cytochem** 1985 May;33(5):379–83

Interferon-gamma requires serum retinoids to promote the expression of tissue transglutaminase in cultured human blood monocytes. Mehta K, et al. **J Immunol** 1985 Apr; 134(4):2053–6

Induction of cAMP-dependent protein kinase I during human monocyte differentiation. Wenger GD, et al. **J Immunol** 1985 Mar;134(3):1836–43

Microassay for the photometric quantitation of cell-associated plasminogen activator using a chromogenic tripeptide substrate. Weinberg JB, et al. **J Immunol Methods** 1984 Dec 31;75(2):289–94

Lipoprotein lipase secretion by human monocytes and guinea pig alveolar macrophages in culture. Yoshii H, et al. **Nippon Ika Daigaku Zasshi** 1984 Dec;51(6):774–5

Cathepsin B activity in human blood monocytes during differentiation in vitro. Mørland B. **Scand J Immunol** 1985 Jul;22(1):9–16

Lysosomal hydrolases in neutrophils, mononuclear cells and serum during Escherichia coli endotoxinaemia in pigs. Andersen OK, et al. **Scand J Infect Dis** 1984;16(4):349–58

Simultaneous demonstration of nonspecific esterase and chloroacetate esterase in human blood cells. Lam KW, et al. **Stain Technol** 1985 May;60(3):169–72

[Suitability of the alpha-naphthyl-butyrate-esterase reaction for the demonstration of monocytes in peripheral cell smears and cell concentrates] Noack S, et al. **Folia Haematol (Leipz)** 1984;111(2):149–54 **(Ger)**

[Effect of OK-432 on activated lysozyme in monocytes and neutrophils —comparison of intravenous and intramuscular administrations] Fujii M, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):383–4 **(Jpn)**

[Elevation of nonspecific esterase activity of monocytes by sarcoidosis serum. Application of a color data system on the analysis of the result] Saginoya H, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jan;95(1):51–3 **(Jpn)**

[Cytochemical characteristics of the peripheral blood monocytes in acute pneumonia in young infants] Uzunova AN, et al. **Pediatriia** 1985 Apr;(4):44–5 **(Rus)**

IMMUNOLOGY

Interaction between intestinal and peripheral blood mononuclear cells. Raedler A, et al. **Acta Chir Scand [Suppl]** 1985;525:127–39

Antibody-dependent cell-mediated cytotoxicity (ADCC) toward human O+ red cells coated with anti-D antibody: comparison between lymphocyte and monocyte ADCC activity. Sunada M, et al. **Acta Med Okayama** 1985 Apr; 39(2):77–89

Aspects of biological potentials of mononuclear cells in middle ear effusions. Sipilä P. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:138–42 (32 ref.)

Defective leukocyte interferon response in children with recurrent infections accompanied by arthralgia. Bondestam M, et al. **Acta Paediatr Scand** 1985 Mar;74(2):219–25

Natural killer cell activity of peripheral blood and bone marrow mononuclear cells from patients with childhood acute lymphoblastic leukemia. Sørskaar D, et al. **Acta Paediatr Scand** 1985 May;74(3):433–7

Monocyte/T-cell interactions in Con A induced suppressor activity. Davidsen B, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Jun; 92(3):173–80

Dissociation between cytostatic and cytolytic activity of human monocytes towards K-562 cells. Eggen BM, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Oct; 92(5):261–4

Activation of human monocytes by free muramyl dipeptide (MDP). Kildahl-Andersen O, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Jun; 92(3):181–7

The use of frozen monocytes in phagocytosis studies. Myhrvold V, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Apr; 93(2):43–8

Phagocytosis and killing of Candida albicans by blood monocytes from patients with non-seminomatous testicular carcinoma: effect of chemotherapy. Nielsen H, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Apr; 93(2):85–9

A standardized human T-lymphocyte proliferation assay for detecting soluble accessory factors from monocytes. II. Interleukin-1 production and detection. Remvig L, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Apr; 93(2):91–6

Immunomodulatory effects of interferons on human mononuclear cells with special reference to the expression of cell surface antigens. Hokland ME. **Acta Pathol Microbiol Immunol Scand [Suppl]** 1985; 286:1–35 (285 ref.)

Expression of beta 2 microglobulin on the surface of mononuclear cells in patients with acquired immune deficiency syndrome (AIDS) and AIDS-related complex (ARC). Gupta S. **Adv Exp Med Biol** 1985;187:111–5

Influence of chemotherapy on the phagocytic activity of mononuclear cells in patients with Hodgkin's disease. Süss J, et al. **Allerg Immunol (Leipz)** 1984;30(4):251–4

Monocyte/macrophage-specific monoclonal antibody Ki-M1 recognizes interdigitating reticulum cells. Radzun HJ, et al. **Am J Pathol** 1984 Dec;117(3):441–50

Effect of the caprine variant of Mycoplasma mycoides subsp mycoides on endothelium, monocytes, and complement of guinea pig, calf, sheep, and goat serum. Rosendal S. **Am J Vet Res** 1984 Nov;45(11):2396–402

Abnormal monocyte cytotoxicity and cyclic-AMP levels in systemic sclerosis. Herlin T, et al. **Arch Dermatol Res** 1984; 276(5):279–82

Augmentation of human antibody-dependent cellular cytotoxicity and mononuclear phagocytosis by procaine. Olinescu A, et al. **Arch Roum Pathol Exp Microbiol** 1985 Jan–Mar;44(1):63–72

The effect of temperature on production and function of bovine interferons. Letchworth GJ 3rd, et al. **Arch Virol** 1984;82(3–4):211–21

Spontaneous in vitro production of anti-DNA and anti-RNA by systemic lupus erythematosus and normal peripheral blood mononuclear cells. Liebling MR, et al. **Arthritis Rheum** 1985 Apr;28(4):431–40

Complement-subcomponent-C1-inhibitor synthesis by human monocytes. Yeung Laiwah AC, et al. **Biochem J** 1985 Feb 15;226(1):199–205

Effect of human saliva on the phagocytotic activity of polymorphonuclear leukocytes and monocytes. Mittelman M, et al. **Biomed Pharmacother** 1984;38(3):171–5

Mb1, a plasma membrane antigen selectively expressed by U-937 cells. Biondi A, et al. **Blood** 1985 Jul;66(1):135–42

Human bone marrow and peripheral blood T lymphocyte depletion: efficacy and effects of both T cells and monocytes on growth of hematopoietic progenitors. Levitt L, et al. **Blood** 1985 Mar;65(3):663–79

Induction and enhancement by monocytes of antibody-induced modulation of a variety of human lymphoid cell surface antigens. Schroff RW, et al. **Blood** 1985 Sep;66(3):620–6

Killer cell activity of human monoblastic leukemia cells as detected with a monocyte-specific target cell. Ziegler-Heitbrock HW, et al. **Blood** 1985 Jan;65(1):8–14

The twitcher mouse: positive immunohistochemical staining of globoid cells with monoclonal antibody against Mac-1 antigen. Kobayashi S, et al. **Brain Res** 1985 May; 352(1):49–54

In vitro cellular cytotoxicity for a human colon cancer cell line by mucosal mononuclear cells of patients with colon cancer and other disorders. Beeken WL, et al. **Cancer** 1985 Mar 1;55(5):1024–9

Monocyte and lymphocyte interaction in patients with advanced cancer. Evidence for deficient IL-1 production. Santos LB, et al. **Cancer** 1985 Oct 1;56(7):1553–8

Monocyte antibody-dependent cellular cytotoxicity in cancer patients. De Young NJ, et al. **Cancer Immunol Immunother** 1984;18(1):54–8

Efficient activation of human blood monocytes to a tumoricidal state by liposomes containing human recombinant gamma interferon. Koff WC, et al. **Cancer Immunol Immunother** 1985;19(2):85–9

Further studies on the differences in cytotoxicity of human peripheral blood monocytes and bronchoalveolar macrophages for cultured human lung cells. Swinburne S, et al. **Cancer Immunol Immunother** 1985;19(1):62–7

Induction of mouse IgG2a- and IgG3-dependent cellular cytotoxicity in human monocytic cells (U937) by immune interferon. Akiyama Y, et al. **Cancer Res** 1984 Nov; 44(11):5127–31

Effect of antineoplastic agents on gamma-interferon production in human peripheral blood mononuclear cells. Cesario TC, et al. **Cancer Res** 1984 Nov;44(11):4962–6

Lysis of tumor cells by human blood monocytes by a mechanism independent of activation of the oxidative burst. Kleinerman ES, et al. **Cancer Res** 1985 May;45(5):2058–64

Lymphocyte supernatant-induced human monocyte tumoricidal activity: dependence on the presence of gamma-interferon. Sadlik JR, et al. **Cancer Res** 1985 May; 45(5):1940–5

Human epidermal cells are more potent than peripheral blood mononuclear cells for the detection of weak allogeneic or virus-specific primary responses in vitro. Bagot M, et al. **Cell Immunol** 1985 Aug;94(1):215–24

The influence of autologous cell interactions on spontaneous and pokeweed mitogen-induced immunoglobulin production. Beale MG. **Cell Immunol** 1985 May; 92(2):427–37

Interferon-gamma accelerates immune proliferation via its effect on monocyte HLA-DR expression. Becker S. **Cell Immunol** 1985 Mar;91(1):301–7

Monocyte-mediated augmentation of human natural cell-mediated cytotoxicity. Bloom ET, et al. **Cell Immunol** 1985 Mar;91(1):21–32

Leukocyte complement: interleukin-like properties of factor Bb. Hirani S, et al. **Cell Immunol** 1985 May;92(2):235–46

An anti-human monocyte/macrophage monoclonal antibody, reacting most strongly with macrophages in lymphoid tissue. Hogg N, et al. **Cell Immunol** 1985 May; 92(2):247–53

Effect of lymphokines on the production of cytostatic protein factors from human monocytes. Kildahl-Andersen O, et al. **Cell Immunol** 1984 Dec;89(2):365–75

Activation of human eosinophils by monokines and lymphokines: source and biochemical characteristics of the eosinophil cytotoxicity-enhancing activity produced by blood mononuclear cells. Lenzi HL, et al. **Cell Immunol** 1985 Sep;94(2):333–46

Glycolipid-dependent interaction between human migration-inhibitory factor and mononuclear phagocytes. Liu DY, et al. **Cell Immunol** 1984 Oct 15;88(2):350–60

Human B-lymphocyte colony responses: suboptimal colony responsiveness in aged humans associated with defective function of B cells and monocytes. Whisler RL, et al. **Cell Immunol** 1985 Aug;94(1):133–46

Spontaneous production of, and defective response to, interleukin-1 by peripheral blood mononuclear cells from patients with scleroderma. Alcocer-Varela J, et al. **Clin Exp Immunol** 1985 Mar;59(3):666–72

Effect of concanavalin A on intracellular killing of Staphylococcus aureus by human phagocytes. Leijh PC, et al. **Clin Exp Immunol** 1984 Dec;58(3):557–65

Radiosensitivity of isolated subsets of human lymphocytes (E+, OKT4+, OKT8+): protective role of monocytes and monokines. Manori I, et al. **Clin Exp Immunol** 1984 Nov;58(2):453–61

Inhibition of interleukin-2 production by adherent cell factors from lepromatous leprosy patients. Nath I, et al. **Clin Exp Immunol** 1984 Dec;58(3):531–8

Human monocytes infected with leishmania amastigotes enhance lymphocyte proliferation. Passwell J, et al. **Clin Exp Immunol** 1985 Jun;60(3):565–71

Studies of peripheral blood monocytes in pulmonary sarcoidosis. Rømer FK, et al. **Clin Exp Immunol** 1984 Nov; 58(2):357–63

Studies on the enhancement of human eosinophil function by mononuclear cell products in vitro. Veith M, et al. **Clin Exp Immunol** 1984 Dec;58(3):603–10

Saturable, high-avidity monocyte receptors for monomeric IgG and Fc fragments increase in SLE and lyme disease. Hardin JA, et al. **Clin Exp Rheumatol** 1983 Oct–Dec; 1(4):327–32

Diminished peripheral blood monocyte DR antigen expression in systemic lupus erythematosus. Nagai H, et al. **Clin Exp Rheumatol** 1984 Apr–Jun;2(2):131–7

Characteristics of chondrocyte responses to a human interleukin 1-like factor. Arend WP, et al. **Clin Immunol Immunopathol** 1985 Sep;36(3):358–70

The generation of colony stimulating activity by lectin stimulated human peripheral blood mononuclear leucocytes. Matthews JH, et al. **Clin Invest Med** 1985; 8(1):9–14

Cytokinetics of mononuclear phagocyte response to listeriosis in genetically-determined sensitive and resistant murine hosts. Punjabi CJ, et al. **Clin Invest Med** 1984;7(3):165–72

Antibody-dependent cell-mediated cytotoxicity of cryopreserved human monocytes. Shah VO, et al. **Cryobiology** 1984 Oct;21(5):475–9

Alpha 1-fetoprotein--relation to impaired macrophage function in systemic lupus erythematosus? Wollina U. **Dermatol Monatsschr** 1984;170(11):703–4

Phagocytosis, bactericidal capacity, and PGE2 production of monocytes in systemic lupus erythematosus and rheumatoid arthritis. Cruchaud A, et al. **Diagn Immunol** 1984;2(4):203–12

HLA class II restriction governing cell cooperation between antigen-specific helper T lymphocytes, B lymphocytes and monocytes for in vitro antibody production to influenza virus. Fischer A, et al. **Eur J Immunol** 1985 Jun;15(6):620–6

Murine monoclonal antibodies and human alloantisera specific for HLA inhibit monocyte phagocytosis of anti-D-sensitized human red blood cells. Neppert J, et al. **Eur J Immunol** 1985 Jun;15(6):559–63

Myeloid-associated antigen 3-alpha-fucosyl-N-acetyllactosamine (FAL): location on various granulocyte membrane glycoproteins and masking upon monocytic differentiation. Tetteroo PA, et al. **Eur J Immunol** 1984 Dec;14(12):1089–95

Scintigraphic visualisation of Walker carcinoma-256 in Sprague-Dawley rats by means of 99mTc-labelled monocytes. Schroth HJ, et al. **Eur J Nucl Med** 1985; 10(3–4):152–4

The frequency of islet cell surface antibodies and antibody-dependent cell-mediated cytotoxicity (ADCC) of mononuclear cells in HLA-typed patients with high diabetes risk. Rjasanowski I, et al. **Exp Clin Endocrinol** 1985 Feb;85(1):70–4

Repeated micro-monocyte adherence inhibition assay: a new technique of leukocyte adherence inhibition to detect tumor immunity in patients with hepatoma. Kumagai N, et al. **Gann** 1984 Nov;75(11):1017–24

Mononuclear cell complement receptor blockade in primary biliary cirrhosis. Al-Aghbar MN, et al. **Gut** 1985 Jan; 26(1):20–5

Monocyte function in cervical carcinoma: plasma inhibitor of monocyte chemotaxis. Lawton JW, et al. **Gynecol Oncol** 1985 Feb;20(2):170–6

Interleukin 1 activity in culture supernatant of lipopolysaccharide-stimulated monocytes from patients with chronic liver disease. Sakamoto S, et al. **Hepatogastroenterology** 1984 Dec;31(6):248–53

Immunologic analysis of mononuclear cells in liver tissues and blood of patients with primary sclerosing cholangitis. Whiteside TL, et al. **Hepatology** 1985 May–Jun;5(3):468–74

Monoclonal and heteroantibody reacting with different antigens common to human blast cells and monocytes. Billing R, et al. **Hybridoma** 1982;1(3):303–11

Treatment with anti-Ia and antiblast/monocyte monoclonal antibodies can prolong skin allograft survival in nonhuman primates. Chatterjee S, et al. **Hybridoma** 1982;1(4):369–77

Monoclonal antibodies to canine cell surface antigens: a comparison of screening assays. Ladiges WC, et al.

Hybridoma 1984 Winter;3(4):387–90

Two new monoclonal antibodies to human monocytes and granulocytes: isolation of membrane antigens and lack of effects of antibodies on leukocyte functions in vitro. Stevenson HC, et al. **Hybridoma** 1984 Fall;3(3):247–61

Structural analysis of differentiation antigens Mo1 and Mo2 on human monocytes. Todd RF 3d, et al. **Hybridoma** 1982; 1(3):329–37

Acquired spontaneous cytotoxicity of K562 in a subpopulation of monocytes. Wyckoff JH 3d, et al. **Immunobiology** 1985 Mar;169(2):175–85

Diminution of circulating polymorphonuclear leucocytes by administration of a monoclonal antibody reacting with granulocytes and monocytes. Beurton D, et al. **Immunol Lett** 1985;10(1):43–7

The role of serum in interleukin 1 production by human monocytes activated by endotoxins and their polysaccharide moieties. Cavaillon JM, et al. **Immunol Lett** 1985;10(1):35–41

Studies on natural cytotoxicity of human monocytes in viral hepatitis. Kiczka W, et al. **Immunol Lett** 1985;9(2–3):87–91

Monocyte suppressor function in burns: T cell–monocyte interaction in mediating suppression. Lahat N, et al. **Immunol Lett** 1985;9(1):43–7

Natural cytotoxicity of human blood monocytes: production of monocyte cytotoxic factors (MCF) during interaction with tumor cells. Uchida A, et al. **Immunol Lett** 1984; 8(6):311–6

Decrease of HLA–DR antigen expression by human monocytes during cultivation in absence of exogenous or endogenous interferon–gamma. Volk HD, et al. **Immunol Lett** 1985;10(2):103–7

Identification with monoclonal antibodies of different regions of human plasma fibronectin, including that which interacts with human monocyte fibronectin receptors. Czop JK, et al. **Immunology** 1985 Mar;54(3):407–17

Monoclonal antibodies specific for human monocytes, granulocytes and endothelium. Hogg N, et al. **Immunology** 1984 Dec;53(4):753–67

Requirement for cations in the stimulation of C2 synthesis by human monocytes. Lappin D, et al. **Immunology** 1985 Mar;54(3):457–62

A comparative study of streptococcal antigen–binding human T8+ cells and monocytes, in relation to the HLA–DRw6 locus and the helper, suppressor and contrasuppressor functions. Lehner T, et al. **Immunology** 1984 Oct; 53(2):215–25

Antibody–dependent cellular cytotoxicity and chemiluminescence as a tool for studying the mechanism of anti–glomerular basement membrane nephritis. The role of the cytotoxic potential of polymorphonuclear granulocytes and monocytes. Mossmann H, et al. **Immunology** 1984 Nov;53(3):545–52

B–cell function in common variable immunodeficiency: suppression of in vitro anti–sheep erythrocytes antibody production by T cells and monocytes. Pollack S, et al. **Immunology** 1985 Jan;54(1):89–96

Immunological studies of ageing. X. Impaired T lymphocytes and normal monocyte response from elderly humans to the mitogenic antibodies OKT3 and Leu 4. Schwab R, et al. **Immunology** 1985 Aug;55(4):677–84

Monocyte suppression of Fusobacterium nucleatum–induced human polyclonal B–lymphocyte activation. Mangan DF, et al. **Infect Immun** 1984 Nov;46(2):332–9

Role of fibronectin in human monocyte and macrophage bactericidal activity. Proctor RA, et al. **Infect Immun** 1985 Mar;47(3):629–37

Role of specific antibody in interaction of leptospires with human monocytes and monocyte–derived macrophages. Wang B, et al. **Infect Immun** 1984 Dec;46(3):809–13

Susceptibility of Propionibacterium acnes to killing and degradation by human neutrophils and monocytes in vitro. Webster GF, et al. **Infect Immun** 1985 Jul;49(1):116–21

Interaction of Legionella micdadei with human monocytes. Weinbaum DL, et al. **Infect Immun** 1984 Oct;46(1):68–73

Modulation of phagocytosis and intracellular bactericidal activity of polymorphonuclear and mononuclear cells by cationic proteins from human granulocytes: alternative pathway of phagocytic enhancement. Pruzanski W, et al. **Inflammation** 1984 Dec;8(4):445–57

Leukocyte procoagulant activity as an in vitro index of nickel contact hypersensitivity. Aldridge RD, et al. **Int Arch Allergy Appl Immunol** 1985;76(4):350–3

Monocyte activation in patients with Hodgkin's disease. Kávai M, et al. **Int J Cancer** 1984 Oct 15;34(4):483–5

Natural cytotoxicity of human blood monocytes and natural killer cells and their cytotoxic factors: discriminating effects of actinomycin D. Uchida A, et al. **Int J Cancer** 1985 May 15;35(5):691–9

Monocyte and macrophage Fc–receptor function in systemic vasculitis with renal involvement. Roccatello D, et al. **Int J Tissue React** 1984;6(6):541–5

Monocyte chemotactic activity induced by intravitreal endotoxin. Rosenbaum JT, et al. **Invest Ophthalmol Vis Sci** 1985 Sep;26(9):1267–73

Activation of neutrophils and monocytes after allergen– and histamine–induced bronchoconstriction. Carroll MP, et al. **J Allergy Clin Immunol** 1985 Feb;75(2):290–6

Induction by interferon–alpha of tumoricidal activity of adherent mononuclear cells from human blood: monocytes as responder and effector cells. Sone S, et al. **J Biol Response Mod** 1985 Apr;4(2):134–40

Comparison of the effects of thymosin and other thymic factors on modulation of interleukin–2 production. Zatz MM, et al. **J Biol Response Mod** 1985 Aug;4(4):365–76

Transmembrane signaling: an ion–flux–independent model for signal transduction by complexed Fc receptors. Pfefferkorn LC. **J Cell Biol** 1984 Dec;99(6):2231–40

The response of human monocytes to interaction with immobilized immune complexes. Eccles MH, et al. **J Cell Sci** 1984 Oct;71:141–57

Defective monocyte function in acquired immune deficiency syndrome (AIDS): evidence from a monocyte–dependent T–cell proliferative system. Prince HE, et al. **J Clin Immunol** 1985 Jan;5(1):21–5

Decreased expression of human class II antigens on monocytes from patients with acquired immune deficiency syndrome. Increased expression with interferon–gamma. Heagy W, et al. **J Clin Invest** 1984 Dec;74(6):2089–96

Suppression of normal human erythropoiesis by gamma interferon in vitro. Role of monocytes and T lymphocytes. Mamus SW, et al. **J Clin Invest** 1985 May;75(5):1496–503

Human peripheral blood monocytes are susceptible to interferon–activated natural killer cells. Einhorn S, et al. **J Clin Lab Immunol** 1985 Apr;16(4):197–9

Activation of monocyte–mediated tumoricidal activity in patients with acquired immunodeficiency syndrome. Kleinerman ES, et al. **J Clin Oncol** 1985 Jul;3(7):1005–12

Granulocyte and monocyte surface membrane markers in the myelodysplastic syndromes. Clark RE, et al. **J Clin Pathol** 1985 Mar;38(3):301–4

Human T cell activation. I. Monocyte–independent activation and proliferation induced by anti–T3 monoclonal antibodies in the presence of tumor promoter 12–o–tetradecanoyl phorbol–13 acetate. Hara T, et al. **J Exp Med** 1985 Apr 1;161(4):641–56

Monocyte receptors for fibronectin characterized by a monoclonal antibody that interferes with receptor activity. Hosein B, et al. **J Exp Med** 1985 Jul 1;162(1):157–70

Natural killer–mediated lysis of normal and malignant target cells, and its regulation by monocytes. Oshimi K, et al. **J Exp Med** 1985 Aug 1;162(2):472–86

Interleukin 1 production by the human monocyte cell line U937 requires a lymphokine induction signal distinct from interleukin 2 or interferons. Amento EP, et al. **J Immunol** 1985 Jan;134(1):350–7

Characterization of a polyvalent antibody directed against the IgG Fc receptor of human mononuclear phagocytes. Anderson CL, et al. **J Immunol** 1985 Jan;134(1):465–70

T cell activation via CD2 [T, gp50] molecules: accessory cells are required to trigger T cell activation via CD2–D66 plus CD2–9.6/T11(1) epitopes. Brottier P, et al. **J Immunol** 1985 Sep;135(3):1624–31

Human splenic sinusoidal lining cells express antigens associated with monocytes, macrophages, endothelial cells, and T lymphocytes. Buckley PJ, et al. **J Immunol** 1985 Apr;134(4):2310–5

Failure of OKT3 monoclonal antibody to induce lymphocyte mitogenesis: a familial defect in monocyte helper function. Ceuppens JL, et al. **J Immunol** 1985 Mar;134(3):1498–502

Characterization of the human newborn response to herpesvirus antigen. Chilmonczyk BA, et al. **J Immunol** 1985 Jun;134(6):4184–8

Rapid killing of actinomycin D–treated tumor cells by human monocytes. II. Cytotoxicity is independent of secretion of reactive oxygen intermediates and is suppressed by protease inhibitors. Colotta F, et al. **J Immunol** 1985 May; 134(5):3524–31

Human monocyte–mediated lysis of antibody–coated tumor cells: the role of the cytoskeleton in monocytes. Espevik T. **J Immunol** 1985 Mar;134(3):2017–25

Cytofluorometric isolation of I937, an Ia antigen–bearing variant of the Ia–negative human monocytic cell line U937. Gitter BD, et al. **J Immunol** 1985 Jan;134(1):280–3

Characterization of mononuclear phagocyte subpopulations in the human lung by using monoclonal antibodies: changes in alveolar macrophage phenotype associated with pulmonary sarcoidosis. Hance AJ, et al. **J Immunol** 1985 Jan;134(1):284–92

Functional analysis of mononuclear cells infiltrating into tumors: differential cytotoxicity of mononuclear cells from tumors of immune and nonimmune rats. Ibayashi Y, et al. **J Immunol** 1985 Jan;134(1):648–53

A histamine–releasing factor from activated human mononuclear cells. Kaplan AP, et al. **J Immunol** 1985 Sep; 135(3):2027–32

Cellular immunity in Q fever: modulation of responsiveness by a suppressor T cell–monocyte circuit. Koster FT, et al. **J Immunol** 1985 Aug;135(2):1067–72

Lactoferrin effects on phagocytic cell function. I. Increased uptake and killing of an intracellular parasite by murine macrophages and human monocytes. Lima MF, et al. **J Immunol** 1985 Jun;134(6):4176–83

Structural requirements of immunoglobulin G for binding to the Fc gamma receptors of the human tumor cell lines U937, HL–60, ML–1, and K562. McCool D, et al. **J Immunol** 1985 Sep;135(3):1975–80

Isolation and characterization of My23, a myeloid cell–derived antigen reactive with the monoclonal antibody AML–2–23. Maliszewski CR, et al. **J Immunol** 1985 Sep; 135(3):1929–36

Role of interleukin 1 in promoting human monocyte–mediated tumor cytotoxicity. Onozaki K, et al. **J Immunol** 1985 Jul;135(1):314–20

Modulation induction of the T3 antigen by OKT3 antibody is monocyte dependent. Rinnooy Kan EA, et al. **J Immunol** 1984 Dec;133(6):2979–85

Decreased sensitivity of atopic mononuclear cells to prostaglandin E2 (PGE2) and prostaglandin D2 (PGD2). Rocklin RE, et al. **J Immunol** 1985 Sep;135(3):2033–9

Defective mononuclear phagocyte function in systemic lupus erythematosus: dissociation of Fc receptor–ligand binding and internalization. Salmon JE, et al. **J Immunol** 1984 Nov; 133(5):2525–31

Strong suppression by monocytes of T cell mitogenesis in chicken peripheral blood leukocytes. Schaefer AE, et al. **J Immunol** 1985 Sep;135(3):1652–60

Monoclonal antibodies against human myelomonocytic cells: detection of certain lineage–specific antigens on CFU–GM progenitor cells. Takaishi M, et al. **J Immunol** 1985 Aug; 135(2):1523–9

MIF–like activity of natural and recombinant human interferon–gamma and their neutralization by monoclonal antibody. Thurman GB, et al. **J Immunol** 1985 Jan; 134(1):305–9

IL 2 receptor induction on human T lymphocytes: role for IL 2 and monocytes. Wakasugi H, et al. **J Immunol** 1985 Jul;135(1):321–7

A monoclonal antibody to a differentiation antigen present on mature human macrophages and absent from monocytes. Zwadlo G, et al. **J Immunol** 1985 Mar;134(3):1487–92

Human monocyte adherence measured by the nylon fibre microcolumn technique. Kelly MK, et al. **J Immunol Methods** 1984 Nov 30;74(2):345–51

Affinity labeling of the Fc receptor on human monocytes using bifunctional cross–linking agents. Kurlander R, et al. **J Immunol Methods** 1985 Apr 22;78(2):247–58

A method for determination of antibody–dependent cellular cytotoxicity (ADCC) of human peripheral mononuclear cells. Wisecarver J, et al. **J Immunol Methods** 1985 May 23;79(2):277–82

Parasite–monocyte interactions in human leishmaniasis: production of interleukin–1 in vitro. Crawford GD, et al. **J Infect Dis** 1985 Aug;152(2):315–22

Immunoregulatory adherent cells in human tuberculosis: radiation–sensitive antigen–specific suppression by monocytes. Kleinhenz ME, et al. **J Infect Dis** 1985 Jul; 152(1):171–6

Phagocytic and fungicidal activity of monocytes from patients with acquired immunodeficiency syndrome [letter] Washburn RG, et al. **J Infect Dis** 1985 Mar;151(3):565–6

Assessment of mononuclear phagocytic system function by clearance of anti–D–sensitized erythrocytes: the role of complement. Meryhew NL, et al. **J Lab Clin Med** 1985 Mar;105(3):277–81

Laminin selectively enhances monocyte–macrophage–mediated tumoricidal activity. Perri RT, et al. **J Lab Clin Med** 1985 Jan;105(1):30–5

Proliferation, kinetics, and fate of monocytes in rat liver during a zymosan–induced inflammation. Bouwens L, et al. **J Leukocyte Biol** 1985 May;37(5):531–43

Effects of recombinant interferon–gamma on HLA–DR antigen shedding by human peripheral blood adherent mononuclear cells. Gershon HE, et al. **J Leukocyte Biol** 1985 Aug;38(2):279–91

Human monocyte–mediated cytotoxicity against herpes simplex virus–infected cells: activation of cytotoxic monocytes by free and liposome–encapsulated lymphokines. Koff WC, et al. **J Leukocyte Biol** 1985 Apr; 37(4):461–72

The current status of human monocyte–mediated cytotoxicity against tumor cells. Koren HS, et al. **J Leukocyte Biol** 1985 Sep;38(3):441–5

Modulation of mononuclear phagocyte cytotoxicity by alpha–tocopherol (vitamin E). Leb L, et al. **J Leukocyte Biol** 1985 Apr;37(4):449–59

Interleukin 1 secretion by human monocytes and macrophages. Mayernik DG, et al. **J Leukocyte Biol** 1984 Oct;36(4):551–7

Relationships of prostaglandin levels and natural killer (NK) cell cytotoxicity of mononuclear cells in cord blood. Ching CY, et al. **J Med** 1984;15(3):233–6

Antigen–induced plaque–forming cell responses in cultures of peripheral blood mononuclear cells of human neonates and infants. van Tol MJ, et al. **J Pediatr** 1984 Nov; 105(5):738–44

Monocyte chemotactic factor production in mixed cultures of maternal and neonatal human lymphocytes. Hawes CS, et al. **J Reprod Immunol** 1984 Jul;6(4):261–5

Monocyte–derived inhibitor of interleukin 1 induced by human cytomegalovirus. Rodgers BC, et al. **J Virol** 1985 Sep;55(3):527–32

Antibody–dependent cellular cytotoxicity in blood monocytes and alveolar macrophages in patients with lung cancer. McLennan G, et al. **JNCI** 1985 Jul;75(1):23–7

Kinetics and function of tumor cytotoxic factor(s) produced by human blood monocytes activated to the tumoricidal state. Sone S, et al. **JNCI** 1985 Mar;74(3):583–90

Eradication of cultured human melanoma cells by immune interferon and leukocytes. Tyring SK, et al. **JNCI** 1984 Nov;73(5):1067–73

Comparison of activities of mononuclear phagocyte system between the cotton rat, Sigmodon hispidus, and the jird, Meriones unguiculatus, in relation to the treatment of filariasis. Hayashi Y, et al. **Jpn J Exp Med** 1983 Dec; 53(6):257–62

Monocyte-mediated cytotoxicity on bladder cancer cells in vitro and its implication in the treatment of bladder cancer patients with bacillus Calmette-Guérin. Nakamura K. **Keio J Med** 1984 Nov;33(4):185-99

Analysis of peritoneal macrophages in continuous ambulatory peritoneal dialysis patients. Goldstein CS, et al. **Kidney Int** 1984 Nov;26(5):733-40

Autoantibodies against neutrophils and monocytes: tool for diagnosis and marker of disease activity in Wegener's granulomatosis. van der Woude FJ, et al. **Lancet** 1985 Feb 23;1(8426):425-9

Activation of human monocytes in leprosy. Ohkawa S. **Microbiol Immunol** 1985;29(3):265-74

Effector functions of a monoclonal aglycosylated mouse IgG2a: binding and activation of complement component C1 and interaction with human monocyte Fc receptor. Leatherbarrow RJ, et al. **Mol Immunol** 1985 Apr; 22(4):407-15

Deficiency of the complement regulatory protein, 'decay-accelerating factor,' on membranes of granulocytes, monocytes, and platelets in paroxysmal nocturnal hemoglobinuria. Nicholson-Weller A, et al. **N Engl J Med** 1985 Apr 25;312(17):1091-7

Mononuclear phagocyte system cytotoxins: a review. Lopez-Berestein G, et al. **Nat Immun Cell Growth Regul** 1985;4(2):78-89 (96 ref.)

Defective mechanisms of immunophagocytosis by leukemic monocytes in childhood acute monocytic leukemia demonstrated by electron microscopy. Tsukada M, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Jul;47(4):958-65

Nucleotide sequence of human monocyte interleukin 1 precursor cDNA. Auron PE, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7907-11

Cytomegalovirus infects human lymphocytes and monocytes: virus expression is restricted to immediate-early gene products. Rice GP, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6134-8

Membrane events leading to interferon-gamma induction by antigens. Dianzani F, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):139-42

A simple method for purification of human monocytes and evaluation of IgG Fc-receptor-mediated phagocytosis. Zauli D, et al. **Ric Clin Lab** 1984 Oct-Dec;14(4):635-9

Immunological characteristics of cells entering the liver with portal blood. Lukomska B, et al. **Scand J Gastroenterol** 1984 Nov;19(8):1069-74

Secretion of gamma-interferon at the cellular level. Induction by Epstein-Barr virus. Andersson U, et al. **Scand J Immunol** 1984 Nov;20(5):425-32

Enriched Langerhans cells express more HLA-DR determinants than blood-derived adherent cells (monocytes and dendritic cells). Bjercke S, et al. **Scand J Immunol** 1985 May;21(5):489-92

Dendritic cells and monocytes as accessory cells in T-cell responses in man. II. Function as antigen-presenting cells. Bjercke S, et al. **Scand J Immunol** 1985 May;21(5):501-8

Dendritic cells and monocytes as accessory cells in T-cell responses in man. I. Phenotypic analysis of dendritic cells and monocytes. Gaudernack G, et al. **Scand J Immunol** 1985 May;21(5):493-500

Synovial fluid and blood monocytes/macrophages in rheumatoid arthritis. Influence on polyclonal activation of autologous B lymphocytes. Petersen J, et al. **Scand J Rheumatol** 1984;13(3):265-72

Regulatory properties of mononuclear phagocytes reflect specialized functional status. Parmely MJ. **Surv Immunol Res** 1984;3(4):280-5 (23 ref.)

Expression of HLA-A and -B antigens on differentiating U-937 cells. Martin D, et al. **Tissue Antigens** 1985 May; 25(5):235-46

Enhancement of monocyte immunoregulatory properties and effector functions by recombinant interferon-gamma. Tweardy DJ, et al. **Trans Assoc Am Physicians** 1984; 97:353-64

Characterization of mononuclear cell infiltrates in human cardiac allografts. Marboe CC, et al. **Transplant Proc** 1984 Dec;16(6):1598-9

Detection of anti-HLA and antimonocyte antibodies by a chemoluminescence assay. Rush DN, et al. **Transplant Proc** 1985 Aug;17(4):1976-7

Cell-mediated cytotoxicity patterns of cloned cytotoxic T lymphocytes. Cytotoxicity directed against canine lymphoblasts, monocytes, and endothelial cells. Groenewegen G, et al. **Transplantation** 1985 Jun; 39(6):657-60

Inability to detect a K cell in bovine peripheral blood leukocytes. Campos M, et al. **Vet Immunol Immunopathol** 1985 Apr;8(4):351-62

Cell-mediated cytotoxicity of bovine mononuclear cells to IBRV-infected cells: dependence on Sephadex G-10 adherent cells. Campos M, et al. **Vet Immunol Immunopathol** 1985 Apr;8(4):363-75

Reconstitution of immunosuppression mice with mononuclear cells from donors sensitized to foot-and-mouth disease virus (FMDV). Borca MV, et al. **Vet Microbiol** 1984 Dec;10(1):1-11

Red blood cell mononuclear phagocyte assay [letter] Branch DR, et al. **Vox Sang** 1985;48(5):323-4

A comparison between Fc receptors for IgG1 and IgG3 on human monocytes and lymphocytes using anti-Rh antibodies. Zupańska B, et al. **Vox Sang** 1985;49(1):67-76

[DMNH chemiluminescence of ingesting monocytes] Eschenbach C, et al. **Klin Wochenschr** 1985 Apr 15; 63(8):364-70 (Eng. Abstr.) (Ger)

[Host reaction in non-Hodgkin's lymphomas: tumor infiltration with monocytes/macrophages] Lechleitner M, et al. **Wien Klin Wochenschr** 1985 Mar 1;97(5):255-8 (Eng. Abstr.) (Ger)

[Characterization of cell suspensions adhering to nylon obtained from mononuclear cells in toto or depleted of monocytes] Caruso C, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2317-23 (Eng. Abstr.) (Ita)

[Induction of human monocyte-mediated tumor cell killing by alpha or beta interferon] Utsugi T, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):1105-10 (Eng. Abstr.) (Jpn)

[Monocyte-macrophage function in multiple myeloma] Funato T, et al. **Rinsho Byori** 1984 Dec;32(12):1379-83 (Jpn)

[Studies on human B cell activation system. V. Effects of monocyte on Ig synthesis stimulated by PWM and SAC] Funato T, et al. **Rinsho Byori** 1984 May;32(5):549-54 (Jpn)

[Roles of monocytes and prostaglandin in the regulation of the antibody response] Sekiguchi Y, et al. **Ryumachi** 1984 Aug;24(4):232-40 (Eng. Abstr.) (Jpn)

[Spontaneous and mitogen-induced proliferative activity of mononucleocytes in pollinosis patients] Serov AA. **Biull Eksp Biol Med** 1985 Jan;99(1):95-7 (Eng. Abstr.) (Rus)

[Liver regeneration at different stages of mononuclear infiltration induced by zymosan granules] Shcherbakov VI, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):288-90 (Eng. Abstr.) (Rus)

[Study of morphofunctional characteristics of monocytes for evaluation of the changes in the mononuclear phagocyte system in silicosis] Rendel' EI. **Gig Tr Prof Zabol** 1984 Dec;(12):24-7 (Eng. Abstr.) (Rus)

[Features of postoperative immunosuppression according to the results of studies of the functional activity of peripheral blood monocytes of patients with acquired heart defects] Sinitsyn PD, et al. **Kardiologiia** 1984 Aug;24(8):78-81 (Eng. Abstr.) (Rus)

[Function of the monocyte link in the mononuclear phagocytosing system in acute myocardial infarct] Sinitsyn SP, et al. **Kardiologiia** 1985 Feb;25(2):96-8 (Rus)

[Phagocytic activity of monocytes and alveolar macrophages in exogenous allergic alveolitis and other disseminated processes in the lungs] Il'kovich MM, et al. **Probl Tuberk** 1984 Sep;(9):60-5 (Eng. Abstr.) (Rus)

[Assessment of peripheral blood monocyte function in pulmonary tuberculosis patients] Shatrov VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 May;(5):76-8 (Eng. Abstr.) (Rus)

[Cell motility in a system of mononuclear phagocytes from different strains of mice in the presence of bacteria and their components] Taranov VA. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Feb;(2):57-60 (Eng. Abstr.) (Rus)

[Changes in the monocyte Fc receptor (IgG) in diabetic ketoacidosis and non-ketotic hyperosmolar coma] Gómez Rodríguez F, et al. **Med Clin (Barc)** 1985 Jan 12;84(1):8-11 (Eng. Abstr.) (Spa)

[Defect of monocytic recognition mediated by complement in hyperosmolar nonketotic coma and diabetic ketoacidosis] Gómez Rodríguez F, et al. **Rev Clin Esp** 1985 Mar; 176(4):164-8 (Eng. Abstr.) (Spa)

[Monocyte function in patients with lymphomas] Dorlhiac P, et al. **Sangre (Barc)** 1985;30(1):1-8 (Eng. Abstr.) (Spa)

[Monocyte function in patients with sickle-cell anemia] Dorlhiac P, et al. **Sangre (Barc)** 1985;30(3):284-91 (Eng. Abstr.) (Spa)

METABOLISM

Tissue thromboplastin generation in circulating mononuclear phagocytes and development of coagulation disorders during E. coli endotoxinaemia in pigs. Andersen OK, et al. **Acta Chir Scand** 1985;151(3):205-11

Altered plasma catecholamines and numbers of alpha- and beta-adrenergic receptors in platelets and leucocytes in hyperthyroid patients normalized under antithyroid treatment. Ratge D, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):75-82

The accumulation of [35S]methimazole by monocytes and macrophages. Weetman AP, et al. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):366-70

Appearance of the mannose-specific receptor on chicken and mouse bone marrow macrophages. Rossi G, et al. **Acta Histochem [Suppl] (Jena)** 1985;31:107-14

The role of the monocyte/macrophage system in lipoprotein metabolism. Shepherd J, et al. **Agents Actions [Suppl]** 1984; 16:147-52

Decreased Fc-receptor binding in human monocytes exposed to ethanol in vitro. Mørland B, et al. **Alcohol** 1985 May-Jun; 2(3):425-8

In vitro stimulation of monocyte tissue factor activity by autologous platelets. Pinder PB, et al. **Am J Hematol** 1985 Aug;19(4):317-25

Initial characterization of a peripheral blood mononuclear cell chemoattractant derived from cultured arterial smooth muscle cells. Valente AJ, et al. **Am J Pathol** 1984 Dec; 117(3):409-17

In vitro recovery of insulin binding after downregulation in cultured normal human monocytes. Whitson RH, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):E94-8

Enhanced prostanoid release from monocytes of patients with rheumatoid arthritis and active systemic lupus erythematosus. Seitz M, et al. **Ann Rheum Dis** 1985 Jul; 44(7):438-45

Structural analysis of the charge heterogeneity of human interleukin 1. Krakauer T. **Arch Biochem Biophys** 1984 Nov 1;234(2):371-6

The production of collagenase by adherent mononuclear cells cultured from human peripheral blood. Louie JS, et al. **Arthritis Rheum** 1984 Dec;27(12):1397-404

Characterization of monoclonal antibodies to the IGF-I receptor that inhibit IGF-I binding to human cells. Flier JS, et al. **Biochem Biophys Res Commun** 1985 Mar 29; 127(3):929-36

Tumor promoter phorbol-12-myristate-13-acetate induces poly ADP-ribosylation in human monocytes. Singh N, et al. **Biochem Biophys Res Commun** 1985 Feb 15; 126(3):1208-14

Apo E-mediated uptake and degradation of normal very low density lipoproteins by human monocyte/macrophages: a saturable pathway distinct from the LDL receptor. Wang-Iverson P, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):578-86

Thromboplastin (tissue factor) in plasma membranes of human monocytes. Hetland O, et al. **Biochem J** 1985 Jun 15;228(3):735-43

The monocyte binding domain(s) on human immunoglobulin G. Woof JM, et al. **Biochem Soc Trans** 1984 Oct;12(5):746-7

The prostacyclin analogue iloprost and prostaglandin E1 suppress sterol synthesis in freshly isolated human mononuclear leukocytes. Krone W, et al. **Biochim Biophys Acta** 1985 Jun 14;835(1):154-7

Sterol synthesis in vitro in freshly isolated blood mononuclear leukocytes from familial hypercholesterolemic patients treated with probucol. McNamara DJ, et al. **Biochim Biophys Acta** 1985 Mar 6;833(3):412-6

Mannose-specific oligosaccharide recognition by mononuclear phagocytes. Stahl PD, et al. **Biol Cell** 1984; 51(2):215-8

Effect of polyvinyl pyrrolidone derivative compound on production of interleukin-1 by monocytes. Khansari N, et al. **Biomed Pharmacother** 1984;38(6):308-11

Differential interleukin-1 elaboration by density-defined human monocyte subpopulations. Elias JA, et al. **Blood** 1985 Aug;66(2):298-301

Monocytes and macrophages synthesize and secrete thrombospondin. Jaffe EA, et al. **Blood** 1985 Jan; 65(1):79-84

Monocyte-derived recruiting activity: kinetics of production and effects of endotoxin. McCall E, et al. **Blood** 1985 Mar; 65(3):689-95

Increased in vitro and in vivo generation of procoagulant activity (tissue factor) by mononuclear phagocytes after intralipid infusion in rabbits. Montemurro P, et al. **Blood** 1985 Jun;65(6):1391-5

Minactivin expression in human monocyte and macrophage populations. Stephens RW, et al. **Blood** 1985 Aug; 66(2):333-7

Progesterone enhances reactive oxygen intermediates production by cultured human monocytes. Martinoli C, et al. **Boll Soc Ital Biol Sper** 1984 Oct 30;60(10):1871-7

Reduced thromboplastin activity in blood monocytes and reduced sensitivity to stimuli in vitro of blood monocytes from pregnant women. Oian P, et al. **Br J Haematol** 1985 Jan;59(1):133-7

Increased sensitivity to thromboplastin synthesis in blood monocytes from pre-eclamptic patients. Oian P, et al. **Br J Obstet Gynaecol** 1985 May;92(5):511-7

Cultured human monocytes and fibroblasts solubilize calcium phosphate crystals. Evans RW, et al. **Calcif Tissue Int** 1984 Dec;36(6):645-50

Erythrocyte-bound immune complexes trigger the release of interleukin-1 from human monocytes. Chou YK, et al. **Cell Immunol** 1985 Mar;91(1):308-14

Specific binding of endotoxin to human monocytes and mouse macrophages: serum requirement. Haeffner-Cavaillon N, et al. **Cell Immunol** 1985 Mar; 91(1):119-31

Characterization of corticosteroid receptors in natural killer cells: comparison with circulating lymphoid and myeloid cells. Katz P, et al. **Cell Immunol** 1985 Sep;94(2):347-52

Production and characterization of cytostatic protein factors released from human monocytes during exposure to lipopolysaccharide and muramyl dipeptide. Kildahl-Andersen O, et al. **Cell Immunol** 1985 Jul; 93(2):375-86

Establishment of thymidine kinase (EC 2.7.1.21)-deficient mutants of human monocytic cell line U-937. Kreipe H, et al. **Cell Immunol** 1985 Apr 1;91(2):498-504

Glycolipid receptor for human migration inhibitory factor: fucose and sialic acid are important for the human monocyte response to migration inhibitory factor. Liu DY, et al. **Cell Immunol** 1985 Feb;90(2):539-46

Calcium ionophore (A23187) increases interleukin 1 (IL-1) production by human peripheral blood monocytes and interacts synergistically with IL-1 to augment concanavalin A stimulated thymocyte proliferation. Matsushima K, et al. **Cell Immunol** 1985 Jan;90(1):226-33

Murine monocytes express transferrin receptors: evidence for similarity to inflammatory macrophages. Weiel JE, et al.

Cell Immunol 1984 Oct 15;88(2):343-9

IgE induces secretion of prostaglandin E2 by human monocytes. Passwell JH, et al. **Clin Exp Immunol** 1984 Dec; 58(3):566-72

Hydrogen peroxide and superoxide production by peripheral blood monocytes in leprosy. Sharp AK, et al. **Clin Exp Immunol** 1985 Apr;60(1):203-6

Quantification of unscheduled DNA synthesis in mononuclear leukocytes of the horse. Ostlund C, et al. **Comp Biochem Physiol [B]** 1985;81(3):787-92

Rapid effects of insulin on the cycling of the insulin receptor in a human monocyte cell line (U-937). Livingston JN, et al. **Diabetes** 1985 Apr;34(4):403-8

Infusion of insulin impairs human adipocyte glucose metabolism in vitro without decreasing adipocyte insulin receptor binding. Mandarino L, et al. **Diabetologia** 1984 Sep;27(3):358-63

Glycosphingolipids of the globo-series are associated with the monocytic lineage of human myeloid cells. Kniep B, et al. **Eur J Biochem** 1985 May 15;149(1):187-91

Basal cyclic AMP levels in human blood mononuclear cells. Svenson M, et al. **Eur J Clin Invest** 1984 Aug;14(4):268-72

Human monocyte heterogeneity: interleukin 1 and prostaglandin E2 production by separate subsets. Khansari N, et al. **Eur J Immunol** 1985 Jan;15(1):48-51

Technique of labeling monocytes with 111In-Fe colloid for use in humans. Ensing GJ, et al. **Exp Hematol** 1985 Jan; 13(1):1-6

Development of specific surface receptors recognizing mannose-terminal glycoconjugates in cultured monocytes: a possible early marker for differentiation of monocyte into macrophage. Kataoka M, et al. **Exp Hematol** 1985 Jan; 13(1):44-50

Production of differentiation-stimulating factor for murine leukemic myeloblast line by monocytic cells stimulated by a nonpyrogenic muramyl dipeptide derivative. Parant M, et al. **Exp Hematol** 1985 Mar;13(3):221-8

Regulation of procoagulant factors in mononuclear phagocytes. Dean RT, et al. **Haemostasis** 1984;14(5):412-21 (43 ref.)

Intracellular signal mechanisms in induction of thromboplastin synthesis. Lyberg T. **Haemostasis** 1984; 14(5):393-9 (40 ref.)

Clinical significance of increased thromboplastin activity on the monocyte surface—a brief review. Lyberg T. **Haemostasis** 1984;14(5):430-9 (70 ref.)

Decreased superoxide (O2-)-generating activity of blood monocytes from patients with hepatic cirrhosis. Nakagawara A, et al. **Hepatogastroenterology** 1984 Oct; 31(5):201-3

Nuclear thyroxine and triiodothyronine binding in mononuclear cells in dependence of age. Kvetny J. **Horm Metab Res** 1985 Jan;17(1):35-8

Nuclear thyroxine receptors and cellular metabolism of thyroxine in obese subjects before and after fasting. Kvetny J. **Horm Res** 1985;21(1):60-5

In vitro study of Fc-receptor function in autoimmune diseases. Roccatello D, et al. **Immunol Lett** 1985;9(1):53-6

Comparison of interleukin 1 production by adherent cells and tissue pieces from human placenta. Flynn A, et al. **Immunopharmacology** 1985 Feb;9(1):19-26

Effects of serum on C3b-stimulated release of prostaglandins and thromboxane B2 from human monocytes. Schenkein HA, et al. **Immunopharmacology** 1984 Oct;8(2):79-89

In vitro generation of hydrogen peroxide and of superoxide anion by bovine polymorphonuclear neutrophilic granulocytes, blood monocytes, and alveolar macrophages. Bielefeldt Ohmann H, et al. **Inflammation** 1984 Sep; 8(3):251-75

Acting mechanisms of Lentinan in human—I. Augmentation of DNA synthesis and immunoglobulin production of peripheral mononuclear cells. Miyakoshi H, et al. **Int J Immunopharmacol** 1984;6(4):365-71

Distribution studies of 111In-oxine-labeled peritoneal mononuclear cells in tumor-bearing rats. Abreo K, et al. **Int J Nucl Med Biol** 1985;12(1):53-5

Monocyte thromboplastin (tissue factor): complementary effect of lymphocytes upon its generation by endotoxin-stimulated monkey (Macaca fuscata) cells. Nakamura S, et al. **J Biochem (Tokyo)** 1985 Jun; 97(6):1603-9

Receptor-mediated uptake of remnant lipoproteins by cholesterol-loaded human monocyte-macrophages. Van Lenten BJ, et al. **J Biol Chem** 1985 Jul 25;260(15):8783-8

Human endothelial cell cultures: phenotypic modulation by leukocyte interleukins. Montesano R, et al. **J Cell Physiol** 1985 Mar;122(3):424-34

Phorbol esters inhibit the binding of low-density lipoproteins (LDL) to U-937 monocytelike cells. Rouis M, et al. **J Cell Physiol** 1984 Dec;121(3):540-6

Specific growth hormone receptors on human peripheral mononuclear cells: reexpression, identification, and characterization. Kiess W, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):740-6

Monocyte procoagulant activity in Whipple's disease. Ottaway CA, et al. **J Clin Immunol** 1984 Sep;4(5):348-58

Human monocyte-derived mucus secretagogue. Marom Z, et al. **J Clin Invest** 1985 Jan;75(1):191-8

Immunoregulation by opioid peptides: I. Absence of classical opioid receptor on human mononuclear cells. Mendelsohn LG, et al. **J Clin Lab Immunol** 1985 Mar;16(3):125-9

Superoxide anion (O-2) production by peripheral blood monocytes in Hodgkin's disease and malignant lymphoma. Perez-Soler R, et al. **J Clin Oncol** 1985 May;3(5):641-5

Expression of interleukin 2 receptors and binding of interleukin 2 by gamma interferon-induced human leukemic and normal monocytic cells. Herrmann F, et al. **J Exp Med** 1985 Sep 1;162(3):1111-6

Analysis of human blood monocyte activation at the level of gene expression. Expression of alpha interferon genes during activation of human monocytes by poly IC/LC and muramyl dipeptide. Stevenson HC, et al. **J Exp Med** 1985 Mar 1;161(3):503-13

Effects of immune complexes on production by human monocytes of interleukin 1 or an interleukin 1 inhibitor. Arend WP, et al. **J Immunol** 1985 Jun;134(6):3868-75

Interferons as macrophage-activating factors. III. Preferential effects of interferon-gamma on the interleukin 1 secretory potential of fresh or aged human monocytes. Arenzana-Seisdedos F, et al. **J Immunol** 1985 Apr; 134(4):2444-8

Impaired oxidative burst does not affect human monocyte tumoricidal activity. Chen AR, et al. **J Immunol** 1985 Mar; 134(3):1909-13

Analysis of the monocyte Fc receptors and antibody-mediated cellular interactions required for the induction of T cell proliferation by anti-T3 antibodies. Clement LT, et al. **J Immunol** 1985 Jul;135(1):165-71

Tissue-specific pretranslational regulation of complement production in human mononuclear phagocytes. Cole FS, et al. **J Immunol** 1985 Apr;134(4):2610-6

A beta-glucan inhibitable receptor on human monocytes: its identity with the phagocytic receptor for particulate activators of the alternative complement pathway. Czop JK, et al. **J Immunol** 1985 Apr;134(4):2588-93

Structural diversity of the fibroblast-activating factors generated by human blood monocytes and U937 cells. Dohlman JG, et al. **J Immunol** 1985 May;134(5):3185-92

The characteristics of binding of human recombinant interferon-gamma to its receptor on human monocytes and human monocyte-like cell lines. Finbloom DS, et al. **J Immunol** 1985 Jul;135(1):300-5

Characterization of hydrogen peroxide-potentiating factor, a lymphokine that increases the capacity of human monocytes and monocyte-like cell lines to produce hydrogen peroxide. Gately CL, et al. **J Immunol** 1983 Dec; 131(6):2853-8

The interaction of murine IgG subclass proteins with human monocyte Fc receptors. Lubeck MD, et al. **J Immunol** 1985 Aug;135(2):1299-304

Tumor-activated NK cells trigger monocyte oxidative metabolism. Pohajdak B, et al. **J Immunol** 1984 Nov; 133(5):2430-6

Synthesis of C1 inhibitor (C1-INA) by a human monocyte-like cell line, U937. Randazzo BP, et al. **J Immunol** 1985 Aug;135(2):1313-9

Bacterial endotoxin selectively prevents the expression of scavenger-receptor activity on human monocyte-macrophages. Van Lenten BJ, et al. **J Immunol** 1985 Jun;134(6):3718-21

Human C5a modulates monocyte Fc and C3 receptor expression. Yancey KB, et al. **J Immunol** 1985 Jul; 135(1):465-70

Human mononuclear cells exposed to staphylococci rapidly produce an inhibitor of neutrophil chemotaxis. Donabedian H. **J Infect Dis** 1985 Jul;152(1):24-32

Induction of human interleukin-1 by toxic-shock-syndrome toxin-1. Parsonnet J, et al. **J Infect Dis** 1985 Mar; 151(3):514-22

Stimulus-dependent increased generation of oxygen intermediates in monocytes and polymorphonuclear leukocytes in psoriasis. Schopf RE, et al. **J Invest Dermatol** 1985 Jan;84(1):73-6

Human circulating monocytes internalize 125I-insulin in a similar fashion to rat hepatocytes: relevance to receptor regulation in target and nontarget tissues. Grunberger G, et al. **J Lab Clin Med** 1985 Aug;106(2):211-7

Fc- and complement receptor-dependent degradation of soluble immune complexes and stable immunoglobulin aggregates by guinea pig monocytes, peritoneal macrophages, and Kupffer cells. Daha MR, et al. **J Leukocyte Biol** 1984 Nov;36(5):569-79

Zinc content of blood cellular components and lymph node and spleen lymphocytes in severely zinc-deficient rats. Milne DB, et al. **J Nutr** 1985 Aug;115(8):1073-8

Expression of histocompatibility antigens and characterization of mononuclear cell infiltrates in normal and neoplastic colorectal tissues of humans. Umpleby HC, et al. **JNCI** 1985 Jun;74(6):1161-8

Deficient immunity in head and neck cancer due to excessive monocyte production of prostaglandins. Berlinger NT. **Laryngoscope** 1984 Nov;94(11 Pt 1):1407-10

Diminished insulin receptors on monocytes and erythrocytes in hypertriglyceridemia. Bieger WP, et al. **Metabolism** 1984 Nov;33(11):982-7

Scavenger receptor-mediated recognition of maleyl bovine plasma albumin and the demaleylated protein in human monocyte macrophages. Haberland ME, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2693-7

Differentiation-enhanced binding of the amino-terminal fragment of human urokinase plasminogen activator to a specific receptor on U937 monocytes. Stoppelli MP, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):4939-43

Prostaglandin and thromboxane biosynthesis in isolated platelet-free human monocytes. I. A modified procedure for the characterization of the prostaglandin spectrum produced by resting and activated monocytes. Orlandi M, et al. **Prostaglandins Leukotrienes Med** 1985 May; 18(2):205-16

Synthesis and secretion of lipoprotein lipase by human monocyte-derived macrophages. Stray N, et al. **Scand J Gastroenterol [Suppl]** 1985;107:67-72

Transferrin receptors on circulating monocytes in hereditary haemochromatosis. Björn-Rasmussen E, et al. **Scand J Haematol** 1985 Apr;34(4):308-11

Prostaglandin E2 receptors on human peripheral blood monocytes. Eriksen EF, et al. **Scand J Immunol** 1985 Feb; 21(2):167-72

Purification of cytostatic protein factors released from human monocytes. Nissen-Meyer J, et al. **Scand J Immunol** 1984 Oct;20(4):317-25

Identification of a cell surface protein complex mediating phorbol ester-induced adhesion (binding) among human mononuclear leukocytes. Patarroyo M, et al. **Scand J Immunol** 1985 Aug;22(2):171-82

Interleukin-1 production by a cloned line of human monocyte-like cells (CM-SM). Correlation with state of differentiation. Revoltella RP, et al. **Scand J Immunol** 1985 Jan;21(1):11-20

Factor XIII of blood coagulation in human monocytes. Muszbek L, et al. **Thromb Res** 1985 Feb 1;37(3):401-10

Characteristics of cyclosporine induction of increased prostaglandin levels from human peripheral blood monocytes. Whisler RL, et al. **Transplantation** 1984 Oct; 38(4):377-81

Studies on the production of endogenous pyrogen by rabbit monocytes: the role of calcium and cyclic nucleotides. Sigal SL, et al. **Yale J Biol Med** 1985 Mar-Apr;58(2):165-78

[Liberation of the oxygen radical from peripheral human phagocytes (granulocytes and monocytes) in patients with chronic polyarthritis] Meske S, et al. **Z Rheumatol** 1985 Jan-Feb;44(1):41-5 (Eng. Abstr.) (Ger)

[Prostaglandin E2 production by mononuclear cells of peripheral and marrow blood of patients with malignant lymphoma] Nakayama Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 May;48(3):802-10 (Eng. Abstr.) (Jpn)

MICROBIOLOGY

Effect of interferons on dengue virus multiplication in cultured monocytes/macrophages. Hotta H, et al. **Biken J** 1984 Dec;27(4):189-93

Adaptation of Ehrlichia sennetsu to canine blood monocytes: preliminary structural and serological studies with cell culture-derived Ehrlichia sennetsu. Holland CJ, et al. **Infect Immun** 1985 May;48(2):366-71

Phagocytosis of Campylobacter jejuni and its intracellular survival in mononuclear phagocytes. Kiehlbauch JA, et al. **Infect Immun** 1985 May;48(2):446-51

Expression of viral antigens after infection of human lymphocytes, monocytes, and macrophages with influenza virus. Roberts NJ Jr, et al. **J Infect Dis** 1985 Feb; 151(2):308-13

Dengue type 2 virus infection in human peripheral blood monocyte cultures. Hotta H, et al. **Microbiol Immunol** 1984; 28(10):1099-109

Transformation of mononuclear phagocytes in vivo and malignant histiocytosis caused by a novel murine spleen focus-forming virus. Franz T, et al. **Nature** 1985 May 9-15; 315(6015):149-51

Induction of alpha interferon by membrane interaction between viral surface and peripheral blood mononuclear cells. Capobianchi MR, et al. **Proc Soc Exp Biol Med** 1985 Apr;178(4):551-6

Isolation, experimental transmission, and characterization of causative agent of Potomac horse fever. Holland CJ, et al. **Science** 1985 Feb 1;227(4686):522-4

PARASITOLOGY

Human mononuclear phagocyte antiprotozoal mechanisms: oxygen-dependent vs oxygen-independent activity against intracellular Toxoplasma gondii. Murray HW, et al. **J Immunol** 1985 Mar;134(3):1982-8

PATHOLOGY

Polymorphous exudates and atypical mononuclear cells in the cerebrospinal fluid of patients with Sjögren's syndrome. de la Monte S, et al. **Acta Cytol (Baltimore)** 1985 Jul-Aug; 29(4):634-7

Defective terminal maturation along monocyte-macrophage lineage in chronic myelomonocytic leukemia. Takuwa N, et al. **Acta Haematol (Basel)** 1984;72(3):163-70

Morphologic, quantitative and cytoenzymologic studies of synoviocytic and monocytic cells in synovial fluid. Serre G, et al. **Anal Quant Cytol** 1984 Dec;6(4):227-37

Disease distribution of synovial fluid mast cells and cytophagocytic mononuclear cells in inflammatory arthritis. Freemont AJ, et al. **Ann Rheum Dis** 1985 May; 44(5):312-5

Isolation of echovirus type 11 from synovial fluid in acute monocytic arthritis. Kujala G, et al. **Arthritis Rheum** 1985 Jan;28(1):98-9

Lymphokine-induced monocytic differentiation as a possible mechanism for hypercalcemia associated with adult T-cell lymphoma. Dodd RC, et al. **Cancer Res** 1985 Jun;

45(6):2501-6

Monocytes and glomerulonephritis associated with remote visceral infection. Magil AB. **Clin Nephrol** 1984 Oct; 22(4):169-75

Mononuclear infiltrates in human intracranial tumors as a prognostic factor. Influence of preoperative steroid treatment. I. Glioblastoma. Böker DK, et al. **Clin Neuropathol** 1984 Jul-Aug;3(4):143-7

Role of monocytes in human glomerulonephritis. Histochemical study. Ferrario F, et al. **Contrib Nephrol** 1985;45:131-40

Infiltrating mononuclear cells in human breast carcinoma: predominance of T4+ monocytic cells in the tumor stroma. Göttlinger HG, et al. **Int J Cancer** 1985 Feb 15; 35(2):199-205

Establishment and characterization of human myelomonocytic (TYS) and histiocytic (TYH) cell lines. Haranaka K, et al. **Int J Cancer** 1985 Sep 15;36(3):313-9

Differentiation of Abelson murine leukemia virus-infected promonocytic leukemia cells. Hines DL. **Int J Cancer** 1985 Aug 15;36(2):233-9

The analysis of mononuclear cell infiltrations in colorectal adenocarcinoma. Koch B, et al. **J Cancer Res Clin Oncol** 1985;109(2):142-51

In vitro peripheral monocyte culture: possible use as a prognostic indicator for renal cell carcinoma patients. Krishnan EC, et al. **JNCI** 1985 Jun;74(6):1185-9

Monocyte escape through a glomerular capillary basement membrane gap. An ultrastructural observation in a case of acute glomerulonephritis. Mazzucco G, et al. **Nephron** 1985;39(3):272-4

Increased monocyte size and Fc receptor-dependent chemoluminescence in renal transplant patients. Rush DN, et al. **Transplant Proc** 1985 Aug;17(4):1978-80

Glomerular monocyte infiltration in human nephropathies: prevalence and correlation with clinical and morphological variables. Monga G, et al. **Virchows Arch** [A] 1985; 405(4):483-96

Aortic intimal monocyte recruitment in the normo and hypercholesterolemic baboon (Papio cynocephalus). An ultrastructural study: implications in atherogenesis. Schwartz CJ, et al. **Virchows Arch** [A] 1985;405(2):175-91

[Histological and ultrastructural studies of mononuclear phagocytes of the aortic intima in rats at the early stage of experimental arteriosclerosis] Sobaniec-Lotowska M, et al. **Patol Pol** 1984 Oct-Dec;35(4):481-92 (Eng. Abstr.) **(Pol)**

[Isolation of mononuclear cells from the bone marrow of patients with hemoblastoses using one-step ficoll-verographin density gradient separation] Pavlushina SV, et al. **Eksp Onkol** 1984;6(2):68-70 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

In vitro migration of human mononuclear cells towards a psoriatic scale extract. Sterling JC, et al. **Acta Derm Venereol (Stockh)** 1984;64(6):543-6

Function of peripheral blood and bone-marrow monocytes in preleukemic patients: normal phagocytosis and intracellular killing of Candida albicans. Kletter Y, et al. **Acta Haematol (Basel)** 1984;72(6):379-83

Quantification of ferritin-secreting cells in patients with non-Hodgkin's lymphoma. Ohnishi K, et al. **Acta Haematol (Basel)** 1985;73(3):145-9

Secretory functions of the mononuclear phagocyte. Scott WA, et al. **Adv Exp Med Biol** 1985;183:17-25

Inhibition of lung fibroblast growth by human lung mononuclear cells. Elias JA, et al. **Am Rev Respir Dis** 1984 Nov;130(5):810-6

Monocyte-enriched cells on calcified tissues. Ali NN, et al. **Anat Embryol (Berl)** 1984;170(2):169-75

Effects of ethanol and acetaldehyde on phagocytic functions. Schopf RE, et al. **Arch Dermatol Res** 1985;277(2):131-7

Control of monocyte recruitment by chemotactic factor(s) in lesion-prone areas of swine aorta. Gerrity RG, et al. **Arteriosclerosis** 1985 Jan-Feb;5(1):55-66

Autoradiographic demonstration of in vitro fusion of blood monocytes with osteoclasts. Zambonin Zallone A, et al. **Basic Appl Histochem** 1985;29(1):45-8

Studies of monokines as mediators of the acute phase response: effects on sialyltransferase, albumin, alpha 1-acid glycoprotein and beta-N-acetylhexosaminidase. Woloski BM, et al. **Biochem Biophys Res Commun** 1985 Jul 16; 130(1):30-6

Differences in the effect of arachidonic acid on polymorphonuclear and mononuclear leukocyte function. Henricks PA, et al. **Biochim Biophys Acta** 1984 Sep 28; 801(2):206-14

Abnormal adherence-related functions of neutrophils, monocytes, and Epstein-Barr virus-transformed B cells in a patient with C3bi receptor deficiency. Buescher ES, et al. **Blood** 1985 Jun;65(6):1382-90

Studies on the locomotory behaviour and adhesive properties of mononuclear phagocytes from blood. Lackie JM, et al. **Br J Haematol** 1985 Jul;60(3):567-81

Monocyte chemotaxis in patients with nonseminomatous testicular carcinoma. Effect of chemotherapy. Nielsen H, et al. **Cancer Immunol Immunother** 1985;19(1):68-71

Effect of cis-platinum on human blood monocyte function in vitro. Nielsen H. **Cancer Immunol Immunother** 1984; 18(3):223-5

Differences in cell cycle kinetics during induced granulocytic versus monocytic maturation of HL-60 leukemia cells. Ross DW. **Cancer Res** 1985 Mar;45(3):1308-13

Monocyte-macrophage system function in primary IgA nephropathy. Roccatello D, et al. **Contrib Nephrol** 1984; 40:130-6

Complement activation products and monocyte migratory function in trauma. Antrum RM, et al. **Curr Surg** 1985 Jul-Aug;42(4):301-3

An alteration in apparent molecular weight of the insulin receptor from the human monocyte cell line U-937. McElduff A, et al. **Diabetes** 1985 Jul;34(7):686-90

Accessory function of human leukemic cell lines: properties of B and B-K562 hybrid cell lines. Wakasugi H, et al. **Eur J Immunol** 1985 Mar;15(3):256-61

Mononuclear cell-mediated modulation of synovial cell metabolism. I. Collagen synthesis. Pujol JP, et al. **Exp Cell Res** 1985 May;158(1):63-74

Effects of T cells and monocytes on globin chain synthesis in erythroid bursts cultured from human peripheral blood burst-forming units (BFU-e). Baptista LC, et al. **Exp Hematol** 1985 Jul;13(6):507-11

Recombinant immune interferon inhibits leukemic cell growth by a monocyte-macrophage-mediated mechanism. Hosoi T, et al. **Exp Hematol** 1985 Aug;13(7):597-602

Mononuclear cell supernatants inhibit prolyl hydroxylation. Narayanan AS, et al. **FEBS Lett** 1985 Jan 7;179(2):229-32

Resolution of pulmonary inflammation. Henson PM, et al. **Fed Proc** 1984 Oct;43(13):2799-806

Monocytes and other infiltrating cells in human colorectal tumours identified by monoclonal antibodies. Allen C, et al. **Immunology** 1985 Jun;55(2):289-99

Effect of H1 and H2 agonists on the chemiluminescence of human blood mononuclear cells induced by phytohaemagglutinin. Meretey K, et al. **Immunopharmacology** 1985 Jun;9(3):175-80

Mechanism of action of thymosin. II. Effects of aspirin and thymosin on enhancement of IL-2 production. Zatz MM, et al. **Immunopharmacology** 1985 Jun;9(3):189-98

Suppression of lymphocyte proliferation by Pseudomonas aeruginosa: mediation by Pseudomonas-activated suppressor monocytes. Issekutz TB, et al. **Infect Immun** 1985 Jun;48(3):832-8

Relationship between extracellular stimulation of intracellular killing and oxygen-dependent microbicidal systems of monocytes. Leijh PC, et al. **Infect Immun** 1985 Feb; 47(2):502-7

Defective neutrophil and monocyte motility in patients with early onset periodontitis. Page RC, et al. **Infect Immun** 1985 Jan;47(1):169-75

In vitro parasite-monocyte interactions in human leishmaniasis: possible role of fibronectin in parasite attachment. Wyler DJ, et al. **Infect Immun** 1985 Aug; 49(2):305-11

Elastin fragment-induced monocyte chemotaxis. The role of desmosines. Kunitomo M, et al. **Inflammation** 1985 Jun; 9(2):183-8

Legionella pneumophila inhibits acidification of its phagosome in human monocytes. Horwitz MA, et al. **J Cell Biol** 1984 Dec;99(6):1936-43

Fc receptor-mediated binding and endocytosis by human mononuclear phagocytes: monomeric IgG is not endocytosed by U937 cells and monocytes. Jones DH, et al. **J Cell Biol** 1985 Feb;100(2):558-64

Increased adherence of sickled and phosphatidylserine-enriched human erythrocytes to cultured human peripheral blood monocytes. Schwartz RS, et al. **J Clin Invest** 1985 Jun;75(6):1965-72

Monocyte function in the acquired immune deficiency syndrome. Defective chemotaxis. Smith PD, et al. **J Clin Invest** 1984 Dec;74(6):2121-8

The influence of sex, age, blood pressure and physical stress on beta 2-adrenoceptor density of mononuclear cells. Middeke M, et al. **J Hypertens** 1984 Jun;2(3):261-4

Exaggerated human vascular cell prostaglandin biosynthesis mediated by monocytes: role of monokines and interleukin 1. Albrightson CR, et al. **J Immunol** 1985 Sep;135(3):1872-7

Characterization of the opsonic and monocyte adherence functions of the specific fibronectin fragment that enhances phagocytosis of particulate activators. Czop JK, et al. **J Immunol** 1985 Mar;134(3):1844-50

Role of inflammatory cells in Chagas' disease. II. Interactions of mouse macrophages and human monocytes with intracellular forms of Trypanosoma cruzi: uptake and mechanism of destruction. Villalta F, et al. **J Immunol** 1984 Dec;133(6):3338-43

Human monocyte adherence to cultured vascular endothelium: monoclonal antibody-defined mechanisms. Wallis WJ, et al. **J Immunol** 1985 Oct;135(4):2323-30

A semi-automated micro-assay for H2O2 release by human blood monocytes and mouse peritoneal macrophages. De la Harpe J, et al. **J Immunol Methods** 1985 Apr 22; 78(2):323-36

A rapid and sensitive method allowing photometric determination of erythrophagocytosis by mononuclear phagocytes. Jungi TW. **J Immunol Methods** 1985 Sep 3; 82(1):141-53

Immune induction of human monocyte plasminogen activator. Characteristics of an assay for cell-mediated immunity. Ragsdale CG, et al. **J Immunol Methods** 1985 May 10;79(1):13-26

An improved multimembrane microassay for quantitating the motility of granulocytes and monocytes labeled with chromium-51. Sims TJ, et al. **J Immunol Methods** 1985 Apr 22;78(2):279-91

Characterisation of the under-agarose method for quantifying migration of highly purified human monocytes. Al-Sumidaie AM, et al. **J Immunol Methods** 1984 Dec 14; 75(1):129-40

Role of granulocytes and monocytes in the prevention and therapy of experimental Staphylococcus epidermidis endocarditis in rabbits. Meddens MJ, et al. **J Infect** 1985 Jul;11(1):41-50

Interaction between human monocytes and penicillin G in relation to the antibacterial effect on Staphylococcus aureus. van den Broek PJ, et al. **J Infect Dis** 1985 Sep; 152(3):521-8

Differential ability of human blood monocyte subsets to release various cytokines. Akiyama Y, et al. **J Leukocyte Biol** 1985 May;37(5):519-30

Human monocyte recognition of complement-coated lymphoblastoid cells. Armstrong S, et al. **J Leukocyte Biol** 1985 Feb;37(2):161-74

An inhibitory factor against monocyte spreading in the sera of patients with systemic lupus erythematosus. Baba T, et al. **J Leukocyte Biol** 1985 Oct;38(4):481-94

The influence of parturition on peripheral blood mononuclear phagocyte subpopulations in pregnant women. Buchan GS, et al. **J Leukocyte Biol** 1985 Feb;37(2):231-42

The response of human peripheral blood mononuclear phagocytes to rheumatoid arthritis. Buchan GS, et al. **J Leukocyte Biol** 1985 Feb;37(2):221-30

Monocytes and neutrophils oxidize low density lipoprotein making it cytotoxic. Cathcart MK, et al. **J Leukocyte Biol** 1985 Aug;38(2):341-50

Effect of mycobacterium bovis (BCG) infection on the kinetics of the mononuclear cell response within the lung. Collins FM, et al. **J Leukocyte Biol** 1984 Sep;36(3):321-32

Monocyte inhibition of lung fibroblast growth: relationship to fibroblast prostaglandin production and density-defined monocyte subpopulations. Elias JA, et al. **J Leukocyte Biol** 1985 Jan;37(1):15-28

Analysis of human monocyte chemoattractant binding by flow cytometry. Leonard EJ, et al. **J Leukocyte Biol** 1985 Sep;38(3):403-13

Characterization of 3H-uridine incorporation and messenger RNA synthesis in human monocytes activated to secrete alpha interferon or monocyte-derived fibroblast growth factor. Stevenson HC, et al. **J Leukocyte Biol** 1985 May; 37(5):585-95

Human peripheral blood mononuclear cells cultured in serum-free medium: a functional and morphological study using light and scanning electron microscopy. Halpern J, et al. **J Med** 1984;15(1):1-13

Changes in the levels of marker expression by mononuclear phagocytes in zinc-deficient mice. Wirth JJ, et al. **J Nutr** 1984 Oct;114(10):1826-33

Regulation of monocyte function by complement activation products. Antrum RM, et al. **J Surg Res** 1985 May; 38(5):468-74

The use of pig mononuclear cells to inhibit pulmonary tumor formation in isogenic mice. Khezri AA, et al. **J Surg Res** 1984 Nov;37(5):354-60

Dextran as a modulator of immune and coagulation activities in trauma patients. Miller CL, et al. **J Surg Res** 1985 Sep; 39(3):183-91

The origin of monocyte-macrophage heterogeneity: possible alternatives. Treves AJ. **Med Hypotheses** 1984 Aug; 14(4):335-46 (60 ref.)

T cell and monocyte-derived burst-promoting activity directly act on erythroid progenitor cells. Linch DC, et al. **Nature** 1984 Dec 20-1985 Jan 2;312(5996):775-7

T lymphocytes, monocytes and erythropoiesis disorders in chronic renal failure. Lamperi S, et al. **Nephron** 1985; 39(3):211-5

Opiate receptor-mediated chemotaxis of human monocytes. Ruff MR, et al. **Neuropeptides** 1985 Feb;5(4-6):363-6

Characteristics and functional capacities of human cord blood granulocytes and monocytes. Maródi L, et al. **Pediatr Res** 1984 Nov;18(11):1127-31

Generation of leukotrienes by human monocytes upon stimulation of their beta-glucan receptor during phagocytosis. Czop JK, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2751-5

Monocytes are required to trigger Ca2+ uptake in the proliferative response of human t lymphocytes to staphylococcus aureus protein A. Lederman HM, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6827-30

Regulation of cellular function by products of lysosomal enzyme activity: elimination of human natural killer cells by a dipeptide methyl ester generated from L-leucine methyl ester by monocytes or polymorphonuclear leukocytes. Thiele DL, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2468-72

The effect of concanavalin A-stimulated mononuclear cells on low density lipoprotein receptor activity of cultured fibroblasts. Hiramatsu K, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):9-16

Possible role of prostaglandin producing monocytes in the depression of mitogenic responses of blood lymphocytes following radiation therapy. Blomgren H, et al. **Radiother Oncol** 1984 Jan;1(3):255-61

Peripheral blood mononuclear cells stimulate N-acetyl-beta-glucosaminidase levels of human synovial fibroblast-like cells. Clarris BJ, et al. **Rheumatol Int** 1985;

5(2):55–60

Enhanced production of prostaglandins and plasminogen activator during activation of human articular chondrocytes by products of mononuclear cells. Meats JE, et al. **Rheumatol Int** 1984;4(4):143–9

Neutrophil and monocyte behaviour in three-dimensional collagen matrices. Brown AF. **Scan Electron Microsc** 1984;(Pt 2):747–54

A study of certain functional parameters of monocytes from patients with multiple myeloma: comparison with monocytes from healthy individuals. Blom J, et al. **Scand J Haematol** 1984 Nov;33(5):425–31

Benzodiazepine receptor-mediated chemotaxis of human monocytes. Ruff MR, et al. **Science** 1985 Sep 20;229(4719):1281–3

The effects of serum on the in vitro adherence and maturation of bovine monocytes. Czuprynski CJ, et al. **Vet Immunol Immunopathol** 1985 Jun;9(2):189–93

Mitogenic responses of baboon (Papio cynocephalus) peripheral blood mononuclear cells. A possible role for monocytes. Dalesandro DA, et al. **Vet Immunol Immunopathol** 1985 Jun;9(2):171–81

Organisation of experimental thrombosis by blood cells. Evidence of the transformation of mononuclear cells into myofibroblasts and endothelial cells. Feigl W, et al. **Virchows Arch [A]** 1985;406(2):133–48

Monocytes and radiation-induced atheromatosis in rabbits. Aarnoudse MW, et al. **Virchows Arch [Cell Pathol]** 1984;47(3):211–6

The search for an endogenous activator. Gekowski KM, et al. **Yale J Biol Med** 1985 Mar–Apr;58(2):153–63

[Procoagulatory activity of macrophages and monocytes of the guinea pig] Gaertner HJ, et al. **Biomed Biochim Acta** 1984;43(4):429–38 (Eng. Abstr.) **(Ger)**

[Mononuclear phagocyte system in patients with uveitis] Tanouchi Y, et al. **Nippon Ganka Gakkai Zasshi** 1985 Mar;89(3):453–6 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of anemia in collagen disease (I). Heme synthesis of bone marrow erythroblasts in systemic lupus erythematosus (SLE) and the effect of peripheral blood mononuclear cells and sera] Sugaya N, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Nov;47(7):1377–82 (Eng. Abstr.) **(Jpn)**

[Colony-forming ability of granulomonocytopoietic precursor cells in patients with acquired dyserythropoietic anemias] Tsvetaeva NV. **Gematol Transfuziol** 1984 Oct;29(10):37–40 (Eng. Abstr.) **(Rus)**

[Rapid method of determining the phagocytic activity of blood monocytes] Khil'ko VA, et al. **Lab Delo** 1985;(3):143–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Defective monocyte function in patients with systemic lupus erythematosus. Phillips R, et al. **Clin Immunol Immunopathol** 1985 Jan;34(1):69–76

RADIATION EFFECTS

Morphology of mononuclear cells in the peripheral blood of rats after single irradiation. Macková N, et al. **Folia Haematol (Leipz)** 1985;112(2):253–9

SECRETION

Effects of soluble stimuli on human monocyte secretion. Speziale SC, et al. **Clin Immunol Immunopathol** 1985 Jul;36(1):60–9

Mononuclear cell-conditioned medium containing mononuclear cell factor (MCF), homologous with interleukin 1, stimulates collagen and fibronectin synthesis by adherent rheumatoid synovial cells: effects of prostaglandin E2 and indomethacin. Krane SM, et al. **Coll Relat Res** 1985 Mar;5(2):99–117

[The lysozyme liberation test--a method for the demonstration of stimulation of human neutrophil granulocytes and monocytes] Timm M, et al. **Allerg Immunol (Leipz)** 1984;30(3):175–82 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Human acute leukemia cell line with the t(4;11) chromosomal rearrangement exhibits B lineage and monocytic characteristics. Stong RC, et al. **Blood** 1985 Jan;65(1):21–31

Expression of transferrin receptors and intracellular ferritin during terminal differentiation of human monocytes. Andreesen R, et al. **Blut** 1984 Sep;49(3):195–202

Ultrastructural studies of spontaneous in vitro transformation of cultured marrow monocyte-macrophage cells from a patient with congenital hypoplastic anemia. Sambuy Y, et al. **Cancer Res** 1985 Mar;45(3):1392–401

Interdigitating cells in the thymus of the turtle Mauremys caspica. Possible relationships to macrophages. Leceta J, et al. **Cell Tissue Res** 1984;238(2):381–5

Monocytes in human glomerulonephritides: immunohistochemical and ultrastructural correlations. Monga G, et al. **Contrib Nephrol** 1985;45:141–51

Isolation of plasma membrane from human blood monocytes. Subcellular fractionation and marker distribution. Fayle DR, et al. **Eur J Biochem** 1985 Mar 1;147(2):409–19

Leu-7-positive cells with monocyte phenotype show different ultrastructural features in comparison to Leu-7-positive cells with T-cell phenotype. Manara GC, et al. **Histochemistry** 1985;82(6):525–7

Morphometry of blood monocytes in malignant lymphoma. Sokol RJ, et al. **J Clin Pathol** 1985 Aug;38(8):904–7

A centrifugation method for standardized sedimentation of mononuclear human blood cells on glass for scanning electron microscopy. Wouters CH, et al. **J Microsc** 1984 Dec;136 (Pt 3):315–21

Cellular aspects of rabbit Masugi nephritis V. Ultrastructural cytochemistry of monocytic cells. Akikusa B, et al. **Virchows Arch [Cell Pathol]** 1984;47(3):223–32

[Ultrastructure of blast cells in patients with myeloblastic, monoblastic and myelomonoblastic leukemia] Golovin AV, et al. **Ter Arkh** 1985;57(5):101–4 (Eng. Abstr.) **(Rus)**

MONOMETHYLHYDRAZINE see under **METHYLHYDRAZINES**

MONOMYCIN

ADMINISTRATION & DOSAGE

[Vacuum-electrophoresis and vacuum-aspiration in the complex treatment of phlegmon in newborn infants] Prokopova LV, et al. **Klin Khir** 1985;(6):27–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Use of prodigiozan for increasing the effectiveness of the antibiotic therapy of dysentery in children] Vereshchagin IA, et al. **Antibiotiki** 1984 Oct;29(10):791–4 **(Rus)**

MONOPHOSPHATIDYLGLYCEROLS see **PHOSPHATIDYLGLYCEROLS**

MONOSACCHARIDES

Fourier-transform infrared, vibrational circular dichroism of sugars. A spectra-structure correlation. Back DM, et al. **Carbohydr Res** 1984 Oct 1;133(1):163–7

1H- and 13C-n.m.r. assignments and conformational analysis of some monosaccharide and oligosaccharide substrate-analogues of lysozyme. Boyd J, et al. **Carbohydr Res** 1985 Jun 15;139:35–46

The use of a monosaccharide linkage group in a heterologous solid-phase enzyme immunoassay for phenytoin. Hinds JA, et al. **J Immunol Methods** 1985 Jun 25;80(2):239–53

ADMINISTRATION & DOSAGE

Glycaemic effect of mono-, di- and polysaccharides in a mixed meal in diabetic patients. Erkelens DW, et al. **Neth J Med** 1985;28(4):157–63

ANALYSIS

High-performance liquid chromatography of mono- and oligosaccharides. Honda S. **Anal Biochem** 1984 Jul;140(1):1–47 (266 ref.)

Chromogenic labeling of monosaccharides using 4'-N,N-dimethylamino-4-aminoazobenzene. Rosenfelder G, et al. **Anal Biochem** 1985 May 15:147(1):156–65

Chemical and enzymatic variation in the cell walls of pathogenic Candida species. Lyon FL, et al. **Can J Microbiol** 1985 Jul;31(7):590–7

BIOSYNTHESIS

Extracellular metabolism of sucrose in a submerged culture of Claviceps purpurea: formation of monosaccharides and clavine alkaloids. Křen V, et al. **Appl Environ Microbiol** 1984 Oct;48(4):826–9

BLOOD

Monoclonal antibodies to the glucose transporter from human erythrocytes. Identification of the transporter as a Mr = 55,000 protein. Allard WJ, et al. **J Biol Chem** 1985 Jul 25;260(15):8668–75

CHEMICAL SYNTHESIS

An unusual reaction of 1,6-anhydroaldohexopyranose derivatives leading to glycals. Bhaté P, et al. **Carbohydr Res** 1985 Jun 15;139:191–201

METABOLISM

Monosaccharide transport into hemocytes of a sipunculan worm Themiste dyscrita. Ingermann RL, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):R139–44

Comparison of the spectroscopic and saccharide binding properties of lentil and pea isolectins. Bhattacharyya L, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):820–6

Low apparent aldose reductase activity produced by monosaccharide autoxidation. Wolff SP, et al. **Biochem J** 1985 Mar 15;226(3):625–30

Facilitated diffusion of monosaccharides in smooth muscle of rat vas deferens in vitro. Elbrink J. **Can J Physiol Pharmacol** 1984 Sep;62(9):1112–5

The production of free radicals during the autoxidation of monosaccharides by buffer ions. Thornalley PJ, et al. **Carbohydr Res** 1984 Dec 1;134(2):191–204

Absence of glucose-stimulated transport in yeast protoplasts. Kotyk A, et al. **Folia Microbiol (Praha)** 1985;30(2):110–6

Specificity of the rat hepatocyte monosaccharide transporter. Elliott KR, et al. **Int J Biochem** 1984;16(12):1251–3

Glucose-6-phosphate dehydrogenase deficiency in pleiotropic carbohydrate-negative mutant strains of Rhizobium meliloti. Cerveňanský C, et al. **J Bacteriol** 1984 Dec;160(3):1027–30

Ultrastructural localization of monosaccharide residues on cerebral endothelium. Nag S. **Lab Invest** 1985 May;52(5):553–8

Saccharides localized by fluorescent lectins on trophectoderm and endometrium prior to implantation in pigs, sheep and equids. Whyte A, et al. **Placenta** 1984 Nov–Dec;5(6):533–40

[The use of theoretical conformation analysis in the study of the mechanism of interaction of carbohydrate components of cardiac glycosides with receptor] Shamovskiĭ IL, et al. **Bioorg Khim** 1985 Jan;11(1):113–25 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effect of D-glucose on the firing rate of glucose-sensitive vagal afferents in the liver in comparison with the effect of 2-deoxy-D-glucose. Niijima A. **J Auton Nerv Syst** 1984 May–Jun;10(3–4):255–60

MONOSOMY see under **CHROMOSOME DELETION**

MONOSOMY, PARTIAL see **CHROMOSOME DELETION**

MONOTREMATA

ANATOMY & HISTOLOGY

Thalamic projections to the somatosensory cortex of the echidna, Tachyglossus aculeatus. Ulinski PS. **J Comp Neurol** 1984 Oct 20;229(2):153–70

An immunohistochemical survey of endocrine cells and nerves in the proximal duodenum of the echidna, Tachyglossus aculeatus. Yamada J, et al. **Z Mikrosk Anat Forsch** 1985;99(2):209–18

BLOOD

Discrepancy between hemocytometer and electronic counts of blood cells [letter] Whittington RJ, et al. **J Wildl Dis** 1984 Jul;20(3):258–60

GENETICS

Gene mapping in marsupials and monotremes. I. The chromosomes of rodent-marsupial (Macropus) cell hybrids, and gene assignments to the X chromosome of the grey kangaroo. Dawson GW, et al. **Chromosoma** 1984;91(1):20–7

MICROBIOLOGY

Leptospiral titres in wild platypuses (Ornithorhynchus anatinus) in New South Wales. McColl KA, et al. **Aust Vet J** 1985 Feb;62(2):66–7

PHYSIOLOGY

The neurohypophysial hormones of the egg-laying mammals: identification of arginine vasopressin in the platypus (Ornithorhynchus anatinus). Chauvet J, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):277–82

MONSTERS

An acardiac acephalic monster. van Groeninghen JC, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 May;19(5):317–25

Ischiopagus tetrabrachius tripus. Pal SK, et al. **J Indian Med Assoc** 1984 Oct;82(10):373–4

[Acardia: description of a new case] Domenici R, et al. **Pathologica** 1983;75 Suppl:149–52 **(Ita)**

[Dicephalus dipus dibrachius(letter)] Lian A, et al. **Rev Paul Med** 1985 Jan–Feb;103(1):47 **(Por)**

[Fetus acardius amorphus: a clinical case] Pereda J, et al. **Rev Chil Obstet Ginecol** 1983;48(4):244–50 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Intra-uterine diagnosis of an acardiac monster. Rydnert J, et al. **Acta Obstet Gynecol Scand** 1984;63(6):569–70

An acardiac acephalic anomaly detected on sonography. Wexler S, et al. **Acta Obstet Gynecol Scand** 1985;64(1):93–4

[Diagnostic criteria of iniencephaly based on the authors' own cases and the review of the literature] Mörocz I, et al. **Morphol Igazsagugyi Orv Sz** 1985 Jan;25(1):58–65 (Eng. Abstr.) **(Hun)**

HISTORY

[Return to the sources. Monstrosities. Extraordinary deformity of the skull and face seen in a 17-year-old Indian girl of the Pariah caste. By J.S.A. Souty, Gazette Médicale de Paris, 1832] **Ann Chir Plast Esthet** 1984;29(3):297–9 **(Fre)**

[Marvels and monsters in Nicole Oresme's Quodlibeta] Caroti S. **Pubbl Stn Zool Napoli [II]** 1984;6(2):133–50 **(Ita)**

PATHOLOGY

Case of true cyclopia. Garzozi HJ, et al.

Br J Ophthalmol 1985 Apr;69(4):307–11

Epigastrius with omphalocele—report of a case. Yasuda Y, et al. **Teratology** 1984 Dec;30(3):297–309

SURGERY

Surgical correction of dipygus. Li ZD, et al. **Chin Med J [Engl]** 1984 Aug;97(8):587–8

VETERINARY

Cranioschisis aperta with encephaloschisis in cephalothoracopagus hamster twins. Willhite CC, et al. **Can J Comp Med** 1985 Apr;49(2):195–201

Developmental abnormalities of a newborn two-headed calf, with special reference to the anterior vessels and compound heart. Eichler VB, et al. **Vet Pathol** 1985 Mar;22(2):189–91

Bovine fetal monster [letter] Braidwood JC. **Vet Rec** 1984 Nov 10;115(19):504

Craniofacial duplication (diprosopus) in the cat—case report and review of the literature. Sekeles E, et al. **Zentralbl Veterinarmed** [A] 1985 Mar;32(3):226–33

[Opocephalic triocephalus in a calf] Sturm F. **Tierarztl Prax** 1984;12(4):435–8 (Eng. Abstr.) (Ger)

MONTE CARLO METHOD see under **OPERATIONS RESEARCH**

MONTEGGIA'S FRACTURE see under **ULNA FRACTURES**

MONTMORRILLONITE see **BENTONITE**

MOOD DISORDERS, NON-PSYCHOTIC see **AFFECTIVE DISORDERS**

MOOD DISORDERS, PSYCHOTIC see **AFFECTIVE DISORDERS, PSYCHOTIC**

MOPIDAMOL see under **PYRIMIDINES**

MORALE

The influence of qualitative assessments of the social and physical environment on the morale of the rural elderly. McGhee JL. **Am J Community Psychol** 1984 Dec;12(6):709–23

Weight loss competitions at the work site: impact on weight, morale and cost-effectiveness. Brownell KD, et al. **Am J Public Health** 1984 Nov;74(11):1283–5

Social reconstruction variables and the morale of the aged. Sherman E. **Int J Aging Hum Dev** 1984–85;20(2):133–44

Sex differences in the structure of the Philadelphia Geriatric Center Morale Scale. Liang J, et al. **J Gerontol** 1985 Jul;40(4):468–77

Improving nursing morale in a climate of cost containment. Part 1. Organizational assessment. Haw MA, et al. **J Nurs Adm** 1984 Oct;14(10):8–15

Improving nursing morale in a climate of cost containment. Part 2. Program planning. Haw MA, et al. **J Nurs Adm** 1984 Nov;14(11):10–5

MORALS

The insanity defense: effects of abolition unsupported by a moral consensus. Cobun LS. **Am J Law Med** 1984 Winter;9(4):471–500

Paternalism as a deontological position [letter] Lieberman PB. **Am J Psychiatry** 1984 Oct;141(10):1303–4

Ethical and moral issues of in vitro fertilization. Juva M. **Ann NY Acad Sci** 1985;442:585–7

Moral reasoning and delinquent behaviour among students. Renwick S, et al. **Br J Soc Psychol** 1984 Sep;23 (Pt 3):281–3

'It's all too subjective': scepticism about the possibility or use of philosophical medical ethics. Gillon R. **Br Med J [Clin Res]** 1985 May 25;290(6481):1574–5

To what do we have moral obligations and why? I. Gillon R. **Br Med J [Clin Res]** 1985 Jun 1;290(6482):1646–7

To what do we have moral obligations and why? II. Gillon R. **Br Med J [Clin Res]** 1985 Jun 8;290(6483):1734–6

Moral issues and mental illness. Kanter J. **Bull Menninger Clin** 1984 Nov;48(6):518–39

Adult judgments of delinquent and non-delinquent adolescent moral reasoning. Mullis RL, et al. **Child Psychiatry Hum Dev** 1984 Summer;14(4):261–8

Viability and the moral status of the fetus. Campbell AV. **Ciba Found Symp** 1985;115:228–43

Imperiled newborns raise moral doubts [letter] Bartholome WG. **Hastings Cent Rep** 1985 Feb;15(1):46–7

Autonomy: a moral good, not a moral obsession. Callahan D. **Hastings Cent Rep** 1984 Oct;14(5):40–2

Moral reasoning in dental hygiene students. Newell KJ, et al. **J Dent Educ** 1985 Feb;49(2):79–84

Health promotion, jogging, and the pursuit of the moral life. Gillick MR. **J Health Polit Policy Law** 1984 Fall;9(3):369–87 (86 ref.)

The ethical and moral implications of sexual classification: a commentary. Silverstein C. **J Homosex** 1984 Summer;9(4):29–38

Conscience, virtue, integrity and medical ethics [editorial] **J Med Ethics** 1984 Dec;10(4):171–2, 190

The mentally handicapped adult's concepts of good and bad acts. Flynn MC, et al. **J Ment Defic Res** 1985 Mar;29 (Pt 1):55–62

Hypnotic age regression and moral reasoning. Page RA. **J Psychol** 1985 Jan;119(1):71–80

Moral reasoning as a criterion for admission to medical school. Benor DE, et al. **Med Educ** 1984 Nov;18(6):423–8

Legal and moral considerations in educating children with herpes in public school settings. Guess D, et al. **Ment Retard** 1984 Oct;22(5):257–63

Abortion, right and wrong. Smith RS. **Mich Med** 1985 Jun;84(6):350, 359

Professional and bureaucratic role conceptions and moral behavior among nurses. Ketefian S. **Nurs Res** 1985 Jul–Aug;34(4):248–53

Issues arising from in vitro fertilisation, artificial insemination by donor and related problems in biotechnology. **NZ Med J** 1985 May 22;98(779):396–8

Cross-cultural universality of social-moral development: a critical review of Kohlbergian research. Snarey JR. **Psychol Bull** 1985 Mar;97(2):202–32

Correlation of moral development with use of birth control and pregnancy among teenage girls. Jurs J. **Psychol Rep** 1984 Dec;55(3):1009–10

Social uses of illness at the workplace: sick leave and moral evaluation. Dodier N. **Soc Sci Med** 1985;20(2):123–8

The continuity of moral reform: community mental health centers. Greer S, et al. **Soc Sci Med** 1984;19(4):397–404

[Socialist morality and social pediatrics] Březina Z. **Cesk Zdrav** 1985 Feb;33(2):49–54 (Eng. Abstr.) (Cze)

[Trust in a conscience] Letendre JF. **Union Med Can** 1985 Apr;114(4):270 (Fre)

[Bioethics, the science of medical morals] Funck-Brentano JL. **Verh K Acad Geneeskd Belg** 1984;46(3):187–205 (Eng. Abstr.) (Fre)

[Juvenile delinquency. An empirical study on the effect of risk factors, parental rearing behavior, orientation, self concept and moral judgment] Schwabe-Höllein M. **Prax Kinderpsychol Kinderpsychiatr** 1984 Nov–Dec;33(8):301–8 (Eng. Abstr.) (Ger)

[Ethical principles and moral norms of psychiatric care in a socialistic society] Späte HF, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jul;36(7):385–94 (Eng. Abstr.) (Ger)

D-MORAMIDE see **DEXTROMORAMIDE**

MORANTEL see under **PYRIMIDINES**

MORAXELLA

Kingella kingae septicaemia with a clinical presentation resembling disseminated gonococcal infection. Shanson DC, et al. **Br Med J [Clin Res]** 1984 Sep 22;289(6447):730–1

Relationship of the face fly (Diptera: Muscidae) to pinkeye in cattle: a review and synthesis of the relevant literature. Hall RD. **J Med Entomol** 1984 Jul 26;21(4):361–5 (51 ref.)

ANALYSIS

Moraxella bovis hemolysin. Ostle AG, et al. **Am J Vet Res** 1984 Sep;45(9):1848–51

CLASSIFICATION

Serotypes and antibiotic sensitivity of Moraxella bovis isolated from an outbreak of infectious bovine keratoconjunctivitis. Gil-Turnes C, et al. **Can J Comp Med** 1984 Oct;48(4):428–30

ENZYMOLOGY

The demethylation of guaiacol by a new bacterial cytochrome P-450. Dardas A, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):585–92

GENETICS

Cloning and sequencing of a Moraxella bovis pilin gene. Marrs CF, et al. **J Bacteriol** 1985 Jul;163(1):132–9

GROWTH & DEVELOPMENT

General approach to bacterial nutrition: growth factor requirements of Moraxella nonliquefaciens. Juni E, et al. **J Bacteriol** 1984 Dec;160(3):958–65

Growth requirements for Moraxella bovis. Riley WT. **Vet Microbiol** 1984 Oct;9(6):593–8

IMMUNOLOGY

Immunogenicity of Moraxella bovis hemolysin. Ostle AG, et al. **Am J Vet Res** 1985 May;46(5):1011–4

Infectious bovine keratoconjunctivitis: subconjunctival administration of a Moraxella bovis pilus preparation enhances immunogenicity. Pugh GW Jr, et al. **Am J Vet Res** 1985 Apr;46(4):811–5

ISOLATION & PURIFICATION

The use of immuno-peroxidase techniques for the identification of Moraxella bovis in tissue sections. Turfrey BA. **Br Vet J** 1985 Mar–Apr;141(2):195–6

Bacterial population of the eyes of slaughter cattle. Barber DM. **Vet Rec** 1984 Aug 25;115(8):169

[Acute endocarditis caused by Kingella kingae in an infant] La Selve H, et al. **Arch Fr Pediatr** 1985 Jan;42(1):35–6 (Eng. Abstr.) (Fre)

[Isolation and identification of various gram-negative bacteria of the genera Branhamella, Moraxella and Neisseria. IV. Use of a direct IF test for identification of bacteria of the genus Moraxella] Linda H, et al. **Med Dosw Mikrobiol** 1984;36(4):207–13 (Eng. Abstr.) (Pol)

PATHOGENICITY

Moraxella bovis hemagglutinins: effect of carbohydrates, heating and erythrocytes. Gil-Turnes C, et al. **Can J Comp Med** 1985 Jan;49(1):112–4

Branhamella catarrhalis bacteraemia and immunosuppression—part of a larger problem? Bannatyne RM, et al. **Diagn Microbiol Infect Dis** 1985 Jan;3(1):65–7

ULTRASTRUCTURE

In vitro adherence of Moraxella bovis to intact corneal epithelium. Jackman SH, et al. **Curr Eye Res** 1984 Sep;3(9):1107–12

Exposure of bovine cornea to different strains of Moraxella bovis and to other bacterial species in vitro. Chandler RL, et al. **J Comp Pathol** 1985 Jul;95(3):415–23

MORBIDITY

Some geomedical aspects. Låg J. **Acta Neurol Scand [Suppl]** 1984;100:69–75

Males born by cesarean section examined 18 years after delivery. Nilsen ST, et al. **Acta Obstet Gynecol Scand** 1985;64(3):237–40

Males born in breech presentation 18 years after birth. Nilsen ST, et al. **Acta Obstet Gynecol Scand** 1985;64(4):323–5

Mental illness and physical health in older people. Maule MM, et al. **Age Ageing** 1984 Nov;13(6):349–56

Incidence and prevalence: proper use [editorial] Shuman WP. **AJR** 1985 Sep;145(3):649–50

Circumpolar health, 1984: an Alaskan perspective. Mala TA. **Alaska Med** 1984 Oct–Dec;26(4):108–11

Illnesses in infants born to women with Chlamydia trachomatis infection. A prospective study. Schaefer C, et al. **Am J Dis Child** 1985 Feb;139(2):127–33

Achieved status as a risk factor in epidemiology. Graham S, et al. **Am J Epidemiol** 1985 Oct;122(4):553–8 (19 ref.)

Perinatal factors associated with death or handicap in very preterm infants. Shennan AT, et al. **Am J Obstet Gynecol** 1985 Jan 15;151(2):231–8

Chest X-ray and laboratory findings in a private psychiatric hospital population [letter] Glass J, et al. **Am J Psychiatry** 1985 May;142(5):664–5

The use of comparability ratios to adjust hospital trend data. Gee SC, et al. **Am J Public Health** 1985 Jan;75(1):81–2

Giant steps and baby steps: toward child health. Starfield B. **Am J Public Health** 1985 Jun;75(6):599–604

Sickness absence in a Singapore refinery. Suratman A, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):417–21

Mortality and morbidity in adolescence. Jeanneret O. **Aust Fam Physician** 1985 Jun;14(6):562–5, 569–75

Health care needs of the children of single mothers in a Perth suburb. Underwood P, et al. **Aust Paediatr J** 1984 Aug;20(3):203–4

Comparative study of physical and mental incapacities among Portuguese airline pilots under and over age 60. Castelo-Branco A, et al. **Aviat Space Environ Med** 1985 Aug;56(8):752–7

Differences in health risks by aircraft model among U.S. Navy pilots. Hoiberg A. **Aviat Space Environ Med** 1985 Jul;56(7):676–82

Detection of disease clustering in time [letter] Levin B, et al. **Biometrics** 1984 Dec;40(4):1179–80

Morbidity risk for late-onset disease [letter] Sturt E. **Biometrics** 1984 Dec;40(4):1176–8

Estimating morbidity risks with variable age of onset [letter] Sturt E. **Biometrics** 1985 Mar;41(1):311–3

Morbidity in the Soviet seamen of the Caspian Sea as revealed by medical check-up. Kuliyev AA. **Bull Inst Marit Trop Med Gdynia** 1983;34(1–2):63–6

Observations on the health problems of a rural population—the Ampara experience. Edwards R, et al. **Ceylon Med J** 1984 Sep;29(3):147–52

Social status and morbidity in Australia. Broadhead P. **Community Health Stud** 1985;9(2):87–98

Alcohol consumption and morbidity in the Canada Health Survey: inter-beverage differences. Richman A, et al. **Drug Alcohol Depend** 1985 Jun;15(3):255–82

The pitfalls of the denominator: towards an accurate estimation of a population at risk. Bentsen BG. **Fam Pract** 1984 Jun;1(2):86–91

Morbidity patterns and prescribing habits in Harare primary care clinics. Dizwani AG, et al. **Fam Pract** 1985 Jun;2(2):82–5

Clustering diagnoses: a method of interpreting morbidity data. Hodgkin P, et al. **Fam Pract** 1984 Dec;1(4):228–42

Symptoms of patients and escorts in a primary care department in Saudi Arabia. Martin E. **Fam Pract** 1984 Jun;1(2):100–5

Health problems in Rishikesh. Issar A. **Geogr Med** 1984;14:114–41

The compression of morbidity: miscellaneous comments about a theme. Fries JF. **Gerontologist** 1984 Aug;24(4):354–9

Child health status and risk factors. Starfield B, et al. **Health Serv Res** 1985 Feb;19(6 Pt 2):817–86 (119 ref.)

Morbidity pattern in an urban slum of Nagpur. Sharma R, et al. **Indian J Med Sci** 1984 Aug;38(8):153–6

A longitudinal study on morbidity pattern amongst housewives in rural Rajasthan. Sharma RS, et al. **Indian J Public Health** 1984 Jul–Sep;28(3):132–8

The 1980 earthquake in Southern Italy—morbidity and mortality. De Bruycker M, et al. **Int J Epidemiol** 1985 Mar; 14(1):113–7

The 'Rainbow Reviews': publications of the National Center for Health Statistics. Jekel JF. **J Chronic Dis** 1984; 37(9–10):681–8

Social supports and stress as predictors of illness. McKay DA, et al. **J Fam Pract** 1985 Jun;20(6):575–81

Health problems of Southeast Asian refugees. Walling AD. **J Kans Med Soc** 1984 Sep;85(9):238–9, 245

The 'healthy worker effect' on morbidity rates. Sterling TD, et al. **J Occup Med** 1985 Jul;27(7):477–82

Compiling a practice disease register—the prevalence of incidental problems. Fairley R. **J R Coll Gen Pract** 1984 Apr;34(261):213–5

Poverty and the health of children [letter] **Lancet** 1984 Oct 6;2(8406):814

Veterinary epidemiology and human disease [editorial] **Lancet** 1984 Dec 8;2(8415):1314

Unemployment and health [letter] **Lancet** 1984 Dec 22; 2(8417–18):1464–5

Disease in South Africa [letter] Susser M. **Lancet** 1985 Feb 2;1(8423):283

Disease associations: need for increased scrutiny of the literature [editorial] Ragozzino MW, et al. **Mayo Clin Proc** 1984 Oct;59(10):719–21

Medical problems in skiers [letter] Sherry E. **Med J Aust** 1985 Jul 22;143(2):92

Physical risks in modern sport. Helal B. **Med Sci Law** 1984 Oct;24(4):247–8

The contribution of low birth weight to infant mortality and childhood morbidity. McCormick MC. **N Engl J Med** 1985 Jan 10;312(2):82–90 (112 ref.)

Towards reducing the morbidity and mortality of the elderly bereaved. Essa M, et al. **Nebr Med J** 1984 Aug;69(8):272–4

Health trends [editorial] **NZ Med J** 1984 Dec 12; 97(769):855–6

Deteriorating health statistics [letter] Baycroft CM. **NZ Med J** 1984 Nov 14;97(767):779

Serious illness in 204 New Zealand families during a 16 year period. Hall A, et al. **NZ Med J** 1985 Mar 13;98(774):135–8

Interactions between disease and malnutrition on the Nembi Plateau, Papua New Guinea. Baines J, et al. **Papua New Guinea Med J** 1984 Sep–Dec;27(3–4):133–44

Ok Tedi: pot of what? [editorial] Lourie J. **Papua New Guinea Med J** 1983 Jun;26(2):91–2

Biological mechanisms in the relationship of stress to illness. Plaut SM, et al. **Pediatr Ann** 1985 Aug;14(8):563–7

Does statistical significance equal real significance [letter] Hersher L. **Pediatrics** 1985 Feb;75(2):375–6

Utilization and morbidity: random or tandem? Starfield B, et al. **Pediatrics** 1985 Feb;75(2):241–7

Morbidity trends in the medical wards at Groote Schuur Hospital—1971 and 1982. Benatar SR, et al. **S Afr Med J** 1985 Jun 15;67(24):968–74

Geographical and socioeconomic distribution of physical activity at work and leisure time and its relation to morbidity in a Swedish rural county. Haglund BJ. **Scand J Soc Med** 1984;12(4):155–64

Air pollution and morbidity: a sensitivity analysis of alternative monitors, pollutants, and averaging times. Ostro BD. **Sci Total Environ** 1984 Oct;39(1–2):111–24

The determinants of infant and child morbidity in Lagos, Nigeria. Chojnacka H, et al. **Soc Sci Med** 1984; 19(8):799–810

Sociology of health and illness in France, retrospectively and prospectively. Herzlich C. **Soc Sci Med** 1985;20(2):121–3

Health risks among enlisted males in the U.S. Navy: race and ethnicity as correlates of disease incidence. Palinkas LA, et al. **Soc Sci Med** 1985;20(11):1129–41

The disease spectrum in a Maldivian (Adduan) population. Wolstenholme RJ. **Trans R Soc Trop Med Hyg** 1984; 78(4):505–7

Physician morbidity: a limited study. Larson J, et al. **Wis Med J** 1985 Mar;84(3):33–5

[Problems in internal medicine in Algeria] Ryšavý F. **Cas Lek Cesk** 1984 Oct 12;123(40–41):1253–5 (Cze)

[Apartheid and health] Sonka J. **Cas Lek Cesk** 1984 Jul 20; 123(29):881–3 (Cze)

[Long-term study of neonates at risk and neonates in a control group. 1. Morbidity in children at risk and children in a control group during the 2d and 3d year of life and the effect of social conditions on morbidity] Bradáč O, et al. **Cesk Pediatr** 1985 Mar;40(3):141–8 (Eng. Abstr.) (Cze)

[Somatic diseases in patients in psychiatric facilities] Drahokoupil L, et al. **Cesk Psychiatr** 1985 Apr;81(2):85–90 (Eng. Abstr.) (Cze)

[Selecting a standard for calculating age standardization] Radkovský J. **Cesk Zdrav** 1985 Apr;33(4):161–70 (Eng. Abstr.) (Cze)

[Comparison of life years lost in 1972 and 1982. A follow-up study] Egsmose L, et al. **Ugeskr Laeger** 1985 Mar 18; 147(12):1057–63 (Eng. Abstr.) (Dan)

[The health status of the youngest school children. A study of 486 children from the kindergarten and first classes in the district of Karlebo during the 1982–83 school year] Haupt JL, et al. **Ugeskr Laeger** 1984 Aug 20;146(34):2575–8 (Eng. Abstr.) (Dan)

[Subjective conditions of health in elderly people at the conclusion of a 3-year controlled intervention study] Hendriksen C, et al. **Ugeskr Laeger** 1985 Apr 1; 147(14):1217–21 (Eng. Abstr.) (Dan)

[The disease pattern on a coastal inspection ship sailing around the coast of Greenland] Toft P. **Ugeskr Laeger** 1984 Sep 3;146(36):2725–6 (Eng. Abstr.) (Dan)

[Part-time work and absenteeism in female workers] Saxer C, et al. **Arch Belg** 1985;43(1–2):32–40 (Eng. Abstr.) (Dut)

[20-year follow-up study of 25–31-week-old premature infants] Koppe JG, et al. **Ned Tijdschr Geneeskd** 1984 Jul 21;128(29):1364–9 (Eng. Abstr.) (Dut)

[Participation of pediatric practitioners in field research. Possibilities, problems, perspectives. Swiss experience of the Roman Group for Studies of Ambulatory Pediatrics] Girardet P, et al. **Arch Belg** 1984;42(1–2):50–65 (Fre)

[Participation of medical practitioners of a French region in an epidemiologic survey of morbidity] Hatton F, et al. **Arch Belg** 1984;42(1–2):26–37 (Fre)

[Specific health problems in adolescents] Jeanneret O. **Arch Belg** 1984;42(11–12):545–73 (Fre)

[Registration of morbidity data by a network of 'spotter' general physicians] Thiers G, et al. **Arch Belg** 1984; 42(1–2):38–49 (Fre)

[Continuous surveillance of morbidity by a network of watchful general practitioners] Stroobant A, et al. **Soz Praventivmed** 1984;29(6):276–9 (Eng. Abstr.) (Fre)

[Various aspects of child morbidity in the hospital environment: impact on medical education and the efficiency of peripheral medicine] Tabbane C, et al. **Tunis Med** 1983 Nov–Dec;61(6):409–13 (Eng. Abstr.) (Fre)

[Presence and significance of polypathy and multimorbidity in geriatrics] Franke H. **Internist (Berlin)** 1984 Aug; 25(8):451–5 (Ger)

[Cross-sectional studies on morbidity in and following the maternity year of 200 home and child day care center children] Gubalke B. **Padiatr Grenzgeb** 1985;24(1):79–94 (Eng. Abstr.) (Ger)

[Epidemiologic study in the Magdeburg district in the analysis of morbidity including psychoneurologic disorders] Nitzschmann L, et al. **Padiatr Grenzgeb** 1985; 24(1):33–6 (Eng. Abstr.) (Ger)

[Medical problems in refugees from Sri Lanka (Tamil)] Sonderegger TS, et al. **Schweiz Med Wochenschr** 1985 Jan 12;115(2):59–62 (Eng. Abstr.) (Ger)

[Sentinel reporting system in Switzerland?] Flückiger H. **Soz Praventivmed** 1984;29(6):280 (Ger)

[Introduction to psychosocial medicine] Heim E. **Ther Umsch** 1984 Nov;41(11):739–46 (Ger, Fre)

[Inpatient morbidity of 5- to under 15-year-old children] Fiolka L. **Z Arztl Fortbild (Jena)** 1985;79(1):11–6 (Ger)

[Evaluation of the health status in low birth weight children] Schüler H, et al. **Z Arztl Fortbild (Jena)** 1985;79(1):7–9 (Ger)

[Analysis of inpatient morbidity of infants and influential factors, 1971 to 1981] Unger G. **Z Arztl Fortbild (Jena)** 1984;78(18):779–85 (Ger)

[Selected results on the utilization of ambulatory care and ambulatory morbidity] Wiesner G. **Z Arztl Fortbild (Jena)** 1985;79(1):23–4 (Ger)

[Classification of epidemiologic indices of recurrent diseases in an evaluation model for the analysis of disease registers exemplified by disease status] Scholz RD, et al. **Z Gesamte Hyg** 1985 Jan;31(1):59–61 (Eng. Abstr.) (Ger)

[An analysis of medical certificate data regarding absenteeism due to injuries and sickness] Matsui K. **Nippon Eiseigaku Zasshi** 1984 Aug;39(3):621–32 (Eng. Abstr.) (Jpn)

[The health of women and living conditions] Hydle I, et al. **Nord Med** 1985;100(3):86–8 (Eng. Abstr.) (Nor)

[Changes in the incidence and structure of absenteeism due to illness in Poland 1970–1982] Szubert Z, et al. **Med Pr** 1984;35(3):237–43 (Eng. Abstr.) (Pol)

[Socio-medical aspects of families of former prisoners of Hitler's concentration camps] Bieńka S. **Przegl Lek** 1985; 42(1):20–4 (Pol)

[Health status of concentration camp children in the light of the Lower-Silesian Center of Medical Diagnostics] Zukowski W, et al. **Przegl Lek** 1985;42(1):25–9 (Pol)

[Effect of the quality of drinking water on the health status of the adult population in the area of irrigated fields in Wroclaw. Origin of the problem and methods of studies] Gizler M, et al. **Rocz Panstw Zakl Hig** 1984;35(2):173–80 (Eng. Abstr.) (Pol)

[Risk of perinatal pathology and characteristics of development of their progeny in patients with congenital heart defects] Protopopova TA. **Akush Ginekol (Mosk)** 1984 Oct;(10):20–3 (Eng. Abstr.) (Rus)

[General principles of statistical analysis, using computers, of the data from indepth studies of morbidity with temporary loss of work capacity] Dogle NV, et al. **Gig Sanit** 1984 Oct;(10):38–42 (Rus)

[Methodological aspects of conducting epidemiological studies in connection with atmospheric air pollution] Glebova LF, et al. **Gig Sanit** 1984 Oct;(10):54–6 (Rus)

[Mathematico-statistical method of evaluating the effect of individual factors on the morbidity rate] Khvastunov RM. **Gig Sanit** 1984 Sep;(9):77–80 (Rus)

[Information value of indices of the functional state of an organism at different levels of chemical pollution] Prokopenko IuI, et al. **Gig Sanit** 1984 Oct;(10):11–4 (Eng. Abstr.) (Rus)

[Socio-hygienic study of the health status of frequently ill preschool children] Purtov II. **Gig Sanit** 1985 May;(5):71–2 (Rus)

[Hygienic aspects of the growth of industrial complexes in the Kansk-Achinsk fuel and energy complex] Shitskova AP, et al. **Gig Sanit** 1984 Jul;(7):7–9 (Eng. Abstr.) (Rus)

[Social-hygienic study of children in young families] Grinina OV, et al. **Sov Zdravookhr** 1984;(12):18–23 (Rus)

[Effect of changes in solar activity on the dynamics of morbidity and mortality among the population] Temur'iants NA, et al. **Ter Arkh** 1985;57(5):150–2 (Rus)

[Chronopathology] Battestini Pons R. **Med Clin (Barc)** 1984 Jun 30;83(5):197–9 (Spa)

[Structure of the consultations for pediatric and adult illnesses in the offices of the Northwestern Metropolitan health Service (1980–1981)] López I, et al. **Rev Med Chil** 1983 Jul;111(7):727–37 (Eng. Abstr.) (Spa)

[Health care demands and reported morbidity in a district of Murcia] Alcantara Nicolas J, et al. **Rev Sanid Hig Publica (Madr)** 1984 Jul–Aug; 58(7–8):681–714 (Eng. Abstr.) (Spa)

[Health education in the school environment. I. Absenteeism in 2 primary schools of the Federal District] Salas ME, et al. **Salud Publica Mex** 1984 Sep–Oct;26(5):426–37 (Eng. Abstr.) (Spa)

[Women with high morbidity records—adoption study shows possible causing factors] von Knorring AL, et al. **Lakartidningen** 1985 Apr 17;82(16):1464–5 (Swe)

MORBILLI VIRUS see MEASLES VIRUS

MORGAGNI-STEWART-MOREL SYNDROME see HYPEROSTOSIS FRONTALIS INTERNA

MORNING AFTER PILL see CONTRACEPTIVES, POSTCOITAL

MORPHEA see SCLERODERMA, CIRCUMSCRIBED

MORPHINANS

Survey of butorphanol and nalbuphine diversion in U.S. hospitals. Hoover RC, et al. **Am J Hosp Pharm** 1985 May; 42(5):1111–3

Buprenorphine-supplemented anaesthesia. Influence of dose on duration of analgesia after cholecystectomy. Obel D, et al. **Br J Anaesth** 1985 Mar;57(3):271–4

Stadol dependence: another case [letter] Brown GR. **JAMA** 1985 Aug 16;254(7):910

A case of stadol dependence [letter] Evans WS, et al. **JAMA** 1985 Apr 19;253(15):2191–2

Abuse of buprenorphine [letter] Strang J. **Lancet** 1985 Sep 28;2(8457):725

[Buprenorphine in general anesthesia. I. Preliminary study] Romano E, et al. **Minerva Anestesiol** 1985 Jan–Feb; 51(1–2):9–14 (Eng. Abstr.) (Ita)

[Epidural or intravenous buprenorphine for postoperative pain relief] Matsunaga M, et al. **Masui** 1984 Sep; 33(9):995–1002 (Eng. Abstr.) (Jpn)

[Use of butorphanol tartrate as an analgesic in salpingoclasia with local anesthesia] Gaitán JR, et al. **Ginecol Obstet Mex** 1983 Jan;51(309):19–23 (Eng. Abstr.) (Spa)

[Various considerations concerning butorphanol (letter)] Cano Darder JM, et al. **Rev Esp Anestesiol Reanim** 1985 Mar–Apr;32(2):87–8 (Spa)

[Butorphanol. A new synthetic analgesic] Skaredoff MN, et al. **Rev Esp Anestesiol Reanim** 1984 Sep–Oct;31(5):192–6 (Eng. Abstr.) (Spa)

ADMINISTRATION & DOSAGE

A long-term open, clinical and pharmacokinetic assessment of sublingual buprenorphine in patients suffering from chronic pain. Adriaensen H, et al. **Acta Anaesthesiol Belg** 1985 Mar;36(1):33–40

Self-administered nalbuphine, morphine and pethidine. Comparison, by intravenous route, following cholecystectomy. Bahar M, et al. **Anaesthesia** 1985 Jun; 40(6):529–32

Postoperative analgesia: a technique using continuous intravenous infusion of buprenorphine. Fry EN. **Anaesthesia** 1984 Nov;39(11):1134–5

Epidural buprenorphine for postoperative pain relief [letter] Murphy DF, et al. **Anesth Analg** 1985 Apr;64(4):456–7

Acepromazine and etorphine for prolonged anesthesia of a zebra. Bristol DG, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1439–40

Epidural opiates: long-term experiences in cancer pain. Zenz M, et al. **Klin Wochenschr** 1985 Mar 1;63(5):225–9

[Sublingual buprenorphine (Temgesic) for the management of postoperative pain. A comparative study of intramuscular pethidine and buprenorphine] Crawford ME, et al. **Ugeskr Laeger** 1985 Jun 3;147(23):1842–5 (Eng. Abstr.) (Dan)

[Buprenorphine in postoperative pain. Comparison of intravenous and sublingual administration] Piva L, et al.

Minerva Anestesiol 1984 Jul–Aug;50(7–8):367–71 (Eng. Abstr.) (Ita)

ADVERSE EFFECTS

Sinusoidal fetal heart rate and butorphanol administration [letter] Welt SI. **Am J Obstet Gynecol** 1985 Jun 1; 152(3):362–3

Delayed cardiorespiratory depression following nalbuphine administration [letter] Moore JK. **Anaesthesia** 1985 May; 40(5):506–7

Acute abstinence syndrome after epidural injection of butorphanol. Weintraub SJ, et al. **Anesth Analg** 1985 Apr; 64(4):452–3

Butorphanol and biliary spasm [letter] Dolan PF. **Anesthesiology** 1985 Sep;63(3):340

Increased mortality in gray wolves captured with acepromazine and etorphine hydrochloride in combination. Tobey RW, et al. **J Wildl Dis** 1985 Apr;21(2):188–90

[Tardive respiratory depression in a young healthy man after intravenous buprenorphine] Adelhøj B, et al. **Ugeskr Laeger** 1985 Apr 15;147(16):1343 (Eng. Abstr.) (Dan)

ANALYSIS

Polarographic determination of butorphanol tartrate. Mohamed ME, et al. **Int J Environ Anal Chem** 1983; 16(3):197–203

Analysis of buprenorphine and its N-dealkylated metabolite in plasma and urine by selected-ion monitoring. Blom Y, et al. **J Chromatogr** 1985 Feb 27;338(1):89–98

63Ni electron-capture gas chromatographic assay for buprenorphine and metabolites in human urine and feces. Cone EJ, et al. **J Chromatogr** 1985 Feb 8;337(2):291–300

ANTAGONISTS & INHIBITORS

Beta-endorphin-(1-27) is a naturally occurring antagonist to etorphine-induced analgesia. Nicolas P, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3178–81

BLOOD

Detection of nalbuphine in plasma: an improved high-performance liquid chromatographic assay. Keegan M, et al. **J Chromatogr** 1984 Nov 9;311(1):223–6

CHEMICAL SYNTHESIS

Synthesis and biological evaluation of 14-alkoxymorphinans. 1. Highly potent opioid agonists in the series of (-)-14-methoxy-N-methylmorphinan-6-ones. Schmidhammer H, et al. **J Med Chem** 1984 Dec; 27(12):1575–9

9 alpha- and 9 beta-Hydroxyphenylmorphans. Awaya H, et al. **J Pharm Sci** 1984 Dec;73(12):1867–8

DIAGNOSTIC USE

New labelled ligand for in-vivo studies of opioid physiology [letter] Jones AK, et al. **Lancet** 1985 Sep 21;2(8456):665–6

METABOLISM

Differentiating aspects of opioid receptor binding by [3H](-) (1R,5R,9R,2"S)-5,9-dimethyl-2-tetrahydrofurfuryl-2'-hy benzomorphan hydrochloride ([3H]Mr 2034), a drug preferentially acting on kappa-receptors. Ensinger HA. **Arzneimittelforsch** 1985;35(1A):447–51

Opiate binding in rat hearts: modulation of binding after hemorrhagic shock. Krumins SA, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):120–8

Clinical actions of fentanyl and buprenorphine. The significance of receptor binding. Boas RA, et al. **Br J Anaesth** 1985 Feb;57(2):192–6

Tritiated etorphine and naloxone binding to opioid receptors in caudate nucleus in schizophrenia. Owen F, et al. **Br J Psychiatry** 1985 May;146:507–9

The metabolism and excretion of buprenorphine in humans. Cone EJ, et al. **Drug Metab Dispos** 1984 Sep–Oct; 12(5):577–81

Acylmorphinans. A novel class of potent analgesic agents. Mohacsi E, et al. **J Med Chem** 1985 Sep;28(9):1177–80

Pharmacokinetics of morphine and its surrogates VI: Bioanalysis, solvolysis kinetics, solubility, pK'a values, and protein binding of buprenorphine. Garrett ER, et al. **J Pharm Sci** 1985 May;74(5):515–24

In vivo binding of benzomorphans to mu, delta and kappa opioid receptors: comparison with urine output in the rat. Richards ML, et al. **J Pharmacol Exp Ther** 1985 May; 233(2):425–32

Comparative in vitro/in vivo autoradiography using the opiate ligand 3H-(-)-bremazocine. Maurer R. **J Recept Res** 1984;4(1–6):155–63

Benzomorphan sites are ligand recognition sites of putative epsilon-receptors. Chang KJ, et al. **Mol Pharmacol** 1984 Nov;26(3):484–8

Probes for narcotic receptor mediated phenomena 3. Oxide bridged 5-phenylmorphans. Burke TR Jr, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:109–13

The kappa-active oxygen in the opioid pharmacophore of some benzomorphans: charges, proton affinities and binding modelling. De Ranter CJ, et al. **Neuropeptides** 1984 Dec; 5(1–3):209–12

Etorphine pharmacokinetics in the rat: experimental data and mathematical model. Holland MJ, et al. **Neuropeptides** 1984 Dec;5(1–3):65–8

Binding characteristics of kappa opioids in rat brain. A comparison of in vitro binding paradigms. Weyhenmeyer JA, et al. **Neuropharmacology** 1985 Feb;24(2):111–5

Disposition in the rat of buprenorphine administered parenterally and as a subcutaneous implant. Pontani RB, et al. **Xenobiotica** 1985 Apr;15(4):287–97

PHARMACODYNAMICS

Plasma histamine and hemodynamic responses following administration of nalbuphine and morphine. Muldoon SM, et al. **Agents Actions** 1984 Oct;15(3–4):229–34

Opioid agonist and antagonist properties of diastereoisomeric N-tetrahydronoroxymorphones in mice. Ramabadran K, et al. **Arch Int Pharmacodyn Ther** 1985 Apr;274(2):180–8

Pharmacodynamic investigation of (+/-)-salutaridine. Kardos J, et al. **Arzneimittelforsch** 1984;34(12):1758–9

Sodium regulation of opioid agonist binding is potentiated by pertussis toxin. Wüster M, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):1107–15

Effect of premedication with diazepam, morphine or nalbuphine on gastrointestinal motility after surgery. Shah M, et al. **Br J Anaesth** 1984 Nov;56(11):1235–8

Effect of alpha 2 adrenergic agents upon central etorphine antinociception in the cat. Ossipov MH, et al. **Brain Res** 1984 Aug 20;309(1):135–42

Review of self-administration. Balster RL, et al. **Drug Alcohol Depend** 1985 Feb;14(3–4):249–61 (28 ref.)

Xorphanol. Howes JF, et al. **Drug Alcohol Depend** 1985 Feb; 14(3–4):373–80

Buprenorphine. Lewis JW. **Drug Alcohol Depend** 1985 Feb; 14(3–4):363–72 (33 ref.)

Behavioral pharmacology of buprenorphine. Mello NK, et al. **Drug Alcohol Depend** 1985 Feb;14(3–4):283–303 (62 ref.)

Butorphanol. Pachter IJ, et al. **Drug Alcohol Depend** 1985 Feb;14(3–4):325–38 (79 ref.)

Nalbuphine. Schmidt WK, et al. **Drug Alcohol Depend** 1985 Feb;14(3–4):339–62 (47 ref.)

Substitution and primary dependence studies in animals. Woods JH, et al. **Drug Alcohol Depend** 1985 Feb; 14(3–4):233–47

Differential effects of dextrorphan and levorphanol on the excitation of rat spinal neurons by amino acids. Church J, et al. **Eur J Pharmacol** 1985 May 8;111(2):185–90

Kappa-opiates and urination: pharmacological evidence for an endogenous role of the kappa-opiate receptor in fluid and electrolyte balance. Huidobro-Toro JP, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):1–10

Differentiation of multiple analgesic opiate receptors. Fürst S, et al. **Int J Tissue React** 1985;7(1):69–77

Effect of sinomenine on antibody responses in mice. Hojo H, et al. **J Immunopharmacol** 1985;7(1):33–42

The effect of buprenorphine and morphine on intraluminal pressure of the common bile duct. Pausawasdi S, et al. **J Med Assoc Thai** 1984 Jun;67(6):329–33

Neurochemical changes in the brain and spinal cord of sheep: a basis for the immobilizing action of etorphine. Kania BF. **J S Afr Vet Assoc** 1985 Jun;56(2):89–92

The effects of morphine and nalbuphine on intestinal transit in mice. Wong CL. **Methods Find Exp Clin Pharmacol** 1984 Nov;6(11):685–9

An in vivo pharmacological analysis of benzomorphan binding sites in rats. Cowan A, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:114–20

Irreversible and reversible narcotic agonists: discriminative and analgesic effects of buprenorphine, oxymorphazone, and morphine. France CP, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:136–42

Buprenorphine, heroin, and methadone: comparison of relative reinforcing properties. Mello NK, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:172–8

The effects of etorphine on the carboxylmethylation of synaptosomal proteins of rat striatum. Nakashima T, et al. **Neuropeptides** 1984 Dec;5(1–3):53–6

N-tetrahydrofurfuryl benzomorphans: comparison of a kappa and an agonist/antagonist analgesic. Wood PL. **Neuropeptides** 1985 Feb;5(4–6):323–6

Endogenous opiates and stress. Behavioral activation elicited in the rat and effects of naltrexone, diprenorphine and morphine. Katz RJ, et al. **Neuropharmacology** 1984 Dec; 23(12A):1425–30

Relative effectiveness of naloxone and MR2266 in potentiating oestrogen-stimulated luteinizing hormone surges in ovariectomized female rats. Dyer RG, et al. **Neurosci Lett** 1984 Aug 24;49(1–2):111–5

Butorphanol and nalbuphine: a pharmacologic comparison. Pallasch TJ, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):15–20

Effects of phencyclidine (PCP)-like drugs on turning behavior, 3H-dopamine uptake, and 3H-PCP binding. Johnson KM, et al. **Pharmacol Biochem Behav** 1985 May; 22(5):731–5

Opiate induced feeding is not dependent on the hippocampus. Gosnell BA, et al. **Physiol Behav** 1984 Jul;33(1):27–30

Effects of naloxone and buprenorphine on intravenous acetaldehyde self-injection in rats. Myers WD, et al. **Physiol Behav** 1984 Sep;33(3):449–55

Down regulation of opiate receptor in rat brain after chronic etorphine treatment. Tao PL, et al. **Proc West Pharmacol Soc** 1984;27:557–60

Effects of morphine, naltrexone, and dextrorphan in untreated and morphine-treated pigeons. France CP, et al. **Psychopharmacology (Berlin)** 1985;85(3):377–82

Buprenorphine effects on cigarette smoking. Mello NK, et al. **Psychopharmacology (Berlin)** 1985;86(4):417–25

[Per- and postoperative buprenorphine analgesia: cardiocirculatory and respiratory effects] Rifat K, et al. **Cah Anesthesiol** 1984 Jan–Feb;32(1):33–6 (Eng. Abstr.) (Fre)

[The cardiovascular effect of buprenorphine in dogs and open heart surgery patients] Arima T, et al. **Masui** 1985 Mar; 34(3):312–8 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Sublingual buprenorphine for premedication and postoperative pain relief in orthopaedic surgery. Risbo A, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):180–2

A comparison of morphine and buprenorphine for analgesia after abdominal surgery. Bradley JP. **Anaesth Intensive Care** 1984 Nov;12(4):303–10

Buprenorphine versus morphine. A comparison of intra-operative and postoperative analgesia. Green DW, et al. **Anaesthesia** 1985 Apr;40(4):371–5

Postoperative pain relief with naloxone. Severe respiratory depression and pain after high dose buprenorphine. Schmidt JF, et al. **Anaesthesia** 1985 Jun;40(6):583–6

Nalbuphine antagonism of ventilatory depression following high-dose fentanyl anesthesia. Moldenhauer CC, et al. **Anesthesiology** 1985 May;62(5):647–50

Dose-dependent effects of nalbuphine in canine hemorrhagic shock. Hunt LB, et al. **Circ Shock** 1984;13(4):307–18

Reassessment of verbal and visual analog ratings in analgesic studies. Littman GS, et al. **Clin Pharmacol Ther** 1985 Jul; 38(1):16–23

Stronger analgesics with low risk of dependence—buprenorphine, meptazinol and nalbuphine. **Drug Ther Bull** 1985 Jun 17;23(12):45–6

Antiarrhythmic activity of buprenorphine against cardiac arrhythmia following coronary artery ligation. Pant KK, et al. **Indian J Med Res** 1984 Oct;80:487–90

A comparison of buprenorphine and morphine for immediate postoperative pain relief in Thai patients. Pausawasdi S, et al. **J Med Assoc Thai** 1984 May;67(5):284–9

Reversal of opioid-associated late-onset respiratory depression by nalbuphine hydrochloride [letter] Hammond JE. **Lancet** 1984 Nov 24;2(8413):1208

Effects of naloxone and other opiate antagonists on blood-ethanol concentration in acutely-ethanol-intoxicated rats. Badawy AA, et al. **Neuropeptides** 1985 Feb;5(4–6):341–4

Temgesic sublingual [letter] Johnson LF. **NZ Med J** 1985 Jan 23;98(771):27

Regular interval preventive pain relief compared with on demand treatment after hysterectomy. Jørgensen BC, et al. **Pain** 1985 Feb;21(2):137–42

A comparison of nalbuphine and pethidine for postoperative pain relief after orthopaedic surgery. Brock-Utne JG, et al. **S Afr Med J** 1985 Sep 14;68(6):391–3

[Analgesia and adverse effects of nalbuphine (Nubain) in comparison with morphine following hysterectomy] Alon E, et al. **Anaesthesist** 1984 Aug;33(8):360–2 (Eng. Abstr.) (Ger)

[Modification of circulatory behavior by the administration of buprenorphine in the postoperative phase] Albrecht M, et al. **Anasth Intensivther Notfallmed** 1985 Apr;20(2):65–8 (Eng. Abstr.) (Ger)

[Long-term therapy of cancer pain. A controlled study on buprenorphine] Zenz M, et al. **Dtsch Med Wochenschr** 1985 Mar 22;110(12):448–53 (Eng. Abstr.) (Ger)

[Tolerance to peridural buprenorphine in cancer pain. Case report] Nicosia F, et al. **Minerva Anestesiol** 1984 Dec; 50(12):669–72 (Eng. Abstr.) (Ita)

[Buprenorphine vs pentazocine in treating postoperative pain in gynecological surgery] Romano E, et al. **Minerva Anestesiol** 1984 Nov;50(11):577–80 (Eng. Abstr.) (Ita)

[Comparative study of buprenorphine and morphine for pain control in the immediate postoperative period by peridural administration] Sciandra G, et al. **Minerva Anestesiol** 1984 Dec;50(12):607–14 (Eng. Abstr.) (Ita)

[Early postoperative treatment of pain with buprenorphine] Gundersen Y, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10; 104(25):1717–20 (Eng. Abstr.) (Nor)

MORPHINE

The effectiveness of benzodiazepines and narcotics in outpatient surgery. Riefkohl R, et al. **Aesthetic Plast Surg** 1984;8(4):227–30

Compatibility of heparin sodium and morphine sulfate. Baker DE, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1352–5

Peripheral actions of narcotics [letter] Marks RJ, et al. **Anaesthesia** 1985 Jan;40(1):85

Reduction in halothane MAC: comparison of morphine and alfentanil. Lake CL, et al. **Anesth Analg** 1985 Aug; 64(8):807–10

Interaction of morphine and naloxone with mixed monolayers of lecithin and gangliosides. Valencia G, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):269–74

Anaesthetic management with morphine in phaeochromocytoma. Hamaji M, et al. **Can Anaesth Soc J** 1984 Nov;31(6):681–6

International Narcotic Research Conference. Cambridge

1984. Reports. **Neuropeptides** 1984 Dec;5(1-3):1-298

Contrasting effects of acute vs. chronic tricyclic antidepressant treatment on central morphine analgesia. Kellstein DE, et al. **Pain** 1984 Dec;20(4):323-34

[Hygienic relations and stability of drugs in peridural long-term infusion with implanted or external pumps] Müller H, et al. **Anaesthesist** 1985 May;34(5):247-51 (Eng. Abstr.) (Ger)

[Morphine concentrations in serum in need-controlled peridural morphine infusion] Chrubasik J, et al. **Anasth Intensivther Notfallmed** 1984 Oct;19(5):231-4 (Eng. Abstr.) (Ger)

[0.5 mg intrathecal morphine in spinal anesthesia. A double blind study on sensory block, postoperative analgesia and adverse effects] Lanz E, et al. **Reg Anaesth** 1984 Jul;7(3):79-85 (Eng. Abstr.) (Ger)

[Comparisons of a new opioid agonist-antagonist 'cyclazocine' and morphine in anesthesia for patients undergoing open-heart operation] Dohi S, et al. **Masui** 1984 Jun;33(6):599-606 (Eng. Abstr.) (Jpn)

[Pathological findings in a patient after long-term epidural administration of morphine] Fukuuchi A, et al. **Masui** 1984 Nov;33(11):1242-5 (Eng. Abstr.) (Jpn)

[Epidural Morphine anesthesia for pulmonary surgery] Kasama A, et al. **Masui** 1985 Jan;34(1):88-93 (Eng. Abstr.) (Jpn)

[Effects of H1 and H2 histamine blockers on hemodynamic changes during high dose morphine anesthesia] Noguchi T, et al. **Masui** 1984 Jun;33(6):631-4 (Eng. Abstr.) (Jpn)

[Effect of epidural morphine on ventilatory and airway occlusion pressure responses to CO2] Oka T, et al. **Masui** 1984 Dec;33(12):1377-81 (Eng. Abstr.) (Jpn)

[Endocrine function following epidural morphine in man. VI. Effects on glucose metabolism] Yao M, et al. **Masui** 1984 Nov;33(11):1246-53 (Eng. Abstr.) (Jpn)

[Pros and cons of analgesic anesthesia with morphine (the experience of 50 cases)] Cardan E, et al. **Rev Chir [Chir]** 1983 Jul-Aug;32(4):307-12 (Eng. Abstr.) (Rum)

[Consequences of using naloxone in morphine anesthesia] Cardan E, et al. **Rev Chir [Chir]** 1983 May-Jun;32(3):233-7 (Eng. Abstr.) (Rum)

[New potential uses for morphine in anesthesiology] Treshchinskiĭ AI, et al. **Klin Khir** 1984 Dec;(12):9-10 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Implantable injection port for epidural opiates self-administration. Hendrickx P, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:279-84

Effect of anaesthesia on respiratory function after major lower extremity surgery. A comparison between bupivacaine spinal analgesia with low-dose morphine and general anaesthesia. Hedenstierna G, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):55-60

Comparison of intramuscular analgesia, intercostal block, epidural morphine and on-demand-i.v.-fentanyl in the control of pain after upper abdominal surgery. Rosenberg PH, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):603-7

Epidural morphine for postoperative pain: experience with 1085 patients. Stenseth R, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):148-56

On-demand epidural morphine infusion [letter] Chrubasik J. **Anaesth Intensive Care** 1984 Aug;12(3):272-3

Self-administered nalbuphine, morphine and pethidine. Comparison, by intravenous route, following cholecystectomy. Bahar M, et al. **Anaesthesia** 1985 Jun;40(6):529-32

Sustained-release morphine for postoperative analgesia [letter] Coniam SW. **Anaesthesia** 1985 Jul;40(7):700-1

Subcutaneous morphine for postoperative pain [letter] Goudie TA, et al. **Anaesthesia** 1985 Mar;40(3):305-6

Effect of premedication with controlled-release oral morphine on postoperative pain. A comparison with intramuscular morphine. Slowey HF, et al. **Anaesthesia** 1985 May;40(5):438-40

Comparison of lumbar and thoracic epidural morphine for relief of postthoracotomy pain. Fromme GA, et al. **Anesth Analg** 1985 Apr;64(4):454-5

Epidural morphine: a clinical double-blind study of dosage. Lanz E, et al. **Anesth Analg** 1985 Aug;64(8):786-91

Continuous-plus-on-demand epidural infusion of morphine for postoperative pain relief by means of a small, externally worn infusion device. Chrubasik J, et al. **Anesthesiology** 1985 Mar;62(3):263-7

Respiratory effects of intrathecal morphine after upper abdominal surgery. Clergue F, et al. **Anesthesiology** 1984 Dec;61(6):677-85

Intrathecal morphine tolerance: use of intrathecal clonidine, DADLE, and intraventricular morphine. Coombs DW, et al. **Anesthesiology** 1985 Mar;62(3):358-63

An apparent seizure following inadvertent intrathecal morphine [letter] Landow L. **Anesthesiology** 1985 Apr;62(4):545-6

Postthoracotomy pain and pulmonary function following epidural and systemic morphine. Shulman M, et al. **Anesthesiology** 1984 Nov;61(5):569-75

When do patients given intrathecal morphine need postoperative systemic opiates? Downing R, et al. **Ann R Coll Surg Engl** 1985 Jul;67(4):251-3

Caudal morphine for pain relief following anal surgery. Farag H, et al. **Ann R Coll Surg Engl** 1985 Jul;67(4):257-8

Influence of intracerebroventricular phenoxybenzamine on the renal action of intracerebroventricular morphine. Kook YJ, et al. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):289-98

Intrathecal administration of hyperbaric morphine for the relief of pain in labour. Abboud TK, et al. **Br J Anaesth** 1984 Dec;56(12):1351-60

Spinal morphine in enuresis [letter] Cardan E. **Br J Anaesth** 1985 Mar;57(3):354

Morphine sulphate slow release. Comparison with i.m. morphine for postoperative analgesia. Derbyshire DR, et al. **Br J Anaesth** 1985 Sep;57(9):858-65

Extradural morphine and pain relief following episiotomy. Macdonald R, et al. **Br J Anaesth** 1984 Nov;56(11):1201-5

Relief of pain by infusion of morphine after operation [letter] **Br Med J [Clin Res]** 1985 Aug 3;291(6491):345-6

Relief of pain by infusion of morphine after operation: does tolerance develop? Marshall H, et al. **Br Med J [Clin Res]** 1985 Jul 6;291(6487):19-21

Effects of endogenous hyperprolactinaemia on opiate-induced behavioral changes in rats. Drago F, et al. **Brain Res** 1985 Jun 17;336(2):215-21

Common misunderstandings about the use of morphine for chronic pain in advanced cancer. Walsh TD. **CA** 1985 May-Jun;35(3):164-9

Epidural morphine prophylaxis of postoperative pain: report of a double-blind multicentre study. Writer WD, et al. **Can Anaesth Soc J** 1985 Jul;32(4):330-8

Continuous infusion of spinally administered narcotics for the relief of pain due to malignant disorders. Krames ES, et al. **Cancer** 1985 Aug 1;56(3):696-702

Management of pain in the terminally ill by administration of epidural narcotics. Malone BT, et al. **Cancer** 1985 Jan 15;55(2):438-40

Efficacy of patient-controlled versus conventional analgesia for postoperative pain. Bollish SJ, et al. **Clin Pharm** 1985 Jan-Feb;4(1):48-52

Relationship between plasma morphine concentrations and pharmacologic effects in postoperative patients using patient-controlled analgesia. Graves DA, et al. **Clin Pharm** 1985 Jan-Feb;4(1):41-7

Influence of peripheral and central administration of apomorphine and morphine on intragastric pressure in the dog. Blancquaert JP, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):133-40

Comparative evaluation of subarachnoid morphine & pethidine for post-operative analgesia. Nag S, et al. **Indian J Med Res** 1984 Jun;79:818-23

Epidural and intrathecal morphine in intensive care units. Rawal N, et al. **Intensive Care Med** 1985;11(3):129-33

Intra-articular drug abuse. Case report. Kiburz D. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1469

Outcomes and complications of continuous intraspinal narcotic analgesia for cancer pain control. Coombs DW, et al. **J Clin Oncol** 1984 Dec;2(12):1414-20

Intrathecal morphine sulfate for intractable cancer pain. Paice JA. **J Neurosurg Nurs** 1984 Oct;16(5):237-40

Analgesic potencies of morphine 3- and 6-sulfates after intracerebroventricular administration in mice: relationship to structural characteristics defined by mass spectrometry and nuclear magnetic resonance. Brown CE, et al. **J Pharm Sci** 1985 Aug;74(8):821-4

Continuous epidural narcotic analgesia for intractable pain due to malignancy. Yablonski-Peretz T, et al. **J Surg Oncol** 1985 May;29(1):8-10

Epidural opiates: long-term experiences in cancer pain. Zenz M, et al. **Klin Wochenschr** 1985 Mar 1;63(5):225-9

Buccal morphine--a new route for analgesia? Bell MD, et al. **Lancet** 1985 Jan 12;1(8420):71-3

Pain relief in myocardial infarction after continuous epidural morphine analgesia [letter] Skoeld M, et al. **N Engl J Med** 1985 Mar 7;312(10):650

An investigation of brain reinforcement systems involved in the concurrent self-administration of food, water, and morphine. Dworkin SI, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:165-71

Influence of the method of drug administration on analgesic response. Levine JD, et al. **Nature** 1984 Dec 20-1985 Jan 2;312(5996):755-6

Neuropeptides differentially effect various forms of morphine tolerance. Ritzmann RF, et al. **Neuropeptides** 1985 Jun;6(3):255-8

Monosodium glutamate and analgesia induced by morphine. Test-specific effects. Badillo-Martinez D, et al. **Neuropharmacology** 1984 Oct;23(10):1141-9

Use of intraventricular and intrathecal morphine in intractable pain associated with cancer. Nurchi G. **Neurosurgery** 1984 Dec;15(6):801-3

Fibrous mass complicating epidural morphine infusion. Rodan BA, et al. **Neurosurgery** 1985 Jan;16(1):68-70

Nebulised morphine: a new delivery method for pain relief. Masters NJ, et al. **Practitioner** 1985 Jul;229(1405):649-50, 653

Morphine and clonidine oral self-administration: a study in morphine dependent or abstinent rats. Gaiardi M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985;9(2):143-51

[The influence of the volume of the solution on the effects of epidural morphine] Husegaard HC, et al. **Ugeskr Laeger** 1985 Mar 4;147(10):873-6 (Eng. Abstr.) (Dan)

[Value of morphine peridural analgesia after esophagectomy for cancer. Apropos of 37 cases] Petit J, et al. **Ann Chir** 1985 Apr;39(3):203-9 (Eng. Abstr.) (Fre)

[Peridural morphine in intractable cancer pains. Means and obstacles] Bayer-Berger MM, et al. **Ann Fr Anesth Reanim** 1985;4(4):343-50 (Eng. Abstr.) (Fre)

[Bacterial meningitis and intrathecal treatment of chronic pain] Ranchère JY, et al. **Ann Fr Anesth Reanim** 1985;4(1):77-8 (Eng. Abstr.) (Fre)

[Bacterial meningitis and intrathecal treatment of chronic pain (letter)] Schoeffler P. **Ann Fr Anesth Reanim** 1985;4(4):390 (Fre)

[Continuous peridural morphine analgesia in refractory pain in urology] Dumas JP, et al. **Ann Urol (Paris)** 1985;19(4):280-2 (Eng. Abstr.) (Fre)

[Peridural morphine analgesia in thoracic injuries] Aperce M, et al. **Cah Anesthesiol** 1982 Dec;30(8):1035-43 (Fre)

[Comparison of morphine analgesia by peridural, subarachnoid and intracerebroventricular injections] Batier C, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):43-5 (Fre)

[Prolonged administration of morphine via the intrathecal route] Gestin Y, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):47-9 (Fre)

[Peridural postoperative morphine analgesia in children] Mathiot JL, et al. **Cah Anesthesiol** 1984 Dec;32(8):675-6 (Fre)

[Long-term peridural morphine analgesia in neoplastic and vascular pathology] Michon F, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):39-42 (Eng. Abstr.) (Fre)

[Spinal anesthesia and morphine analgesia in prostatic surgery] Mora C, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):25-7 (Eng. Abstr.) (Fre)

[Local and morphinic anesthetics administered by the peridural route] Motsch J. **Cah Anesthesiol** 1984 Jan-Feb;32(1):43-5 (Fre)

[Use of a lumbar Ommaya reservoir for chemotherapy and analgesia] Poulain P, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):21-2 (Fre)

[Postoperative intravenous morphine analgesia. Use of a computer-controlled automatic syringe] Sansoy N, et al. **Cah Anesthesiol** 1982 Nov;30(7):867-72 (Fre)

[No loss of analgesic effect by peridural low volume morphine administration] Chrubasik J, et al. **Anasth Intensivther Notfallmed** 1985 Feb;20(1):19-21 (Eng. Abstr.) (Ger)

[Pump-guided continuous subcutaneous opiate infusion for the treatment of the most severe pain] Drexel H, et al. **Dtsch Med Wochenschr** 1985 Jul 5;110(27):1063-7 (Eng. Abstr.) (Ger)

[Peridural morphine analgesia for the control of tumor-induced pain in gynecologic cancer patients] Hettenbach A, et al. **Geburtshilfe Frauenheilkd** 1984 Aug;44(8):503-5 (Eng. Abstr.) (Ger)

[Remarks on the paper by H. Bause et al. Continuous peridural long-term morphine analgesia in an ambulatory cancer patient. Supplementary information on the use of an external portable dose-dispensing device for the treatment of unbearable cancer pain (letter)] Chrubasik J, et al. **Reg Anaesth** 1985 Apr;8(2):39-41 (Ger)

[Intrathecal morphine administration in pain therapy following extensive gynecologic operations. Clinical study] Attig G, et al. **Zentralbl Gynakol** 1985;107(12):738-43 (Eng. Abstr.) (Ger)

[Endocrine functions following epidural morphine administration. 7. Effects on on the thyroid function] Yao M, et al. **Masui** 1985 Jan;34(1):25-9 (Eng. Abstr.) (Jpn)

[Experimental and clinical evaluation of morphine hydrochloride suppository] Sato T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Feb 20;19(1):80-7 (Eng. Abstr.) (Jpn)

[Comparison of three methods of inducing physical dependence to morphine in rats using short-term medication] Suzuki T, et al. **Yakubutsu Seishin Kodo** 1984 Sep;4(2):149-56 (Eng. Abstr.) (Jpn)

[Treatment of cancer pain with morphine given via epidural catheters] Husebø S. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1715-7 (Eng. Abstr.) (Nor)

[Epidural morphine for severe cancer pain] Landa L, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1713-5 (Eng. Abstr.) (Nor)

[Long-term treatment with epidural morphine in cancer patients] Pettersen B, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1733-5 (Eng. Abstr.) (Nor)

[Morphine in analgesic anesthesia] Chmielnicki Z. **Wiad Lek** 1984 Jul 1;37(13):1004-8 (Pol)

[Preliminary trial of peridural morphine in the relief of postoperative pain] dos Santos Pereira J, et al. **Acta Med Port** 1984 Nov-Dec;5(11-12):315-9 (Eng. Abstr.) (Por)

[Intrathecal anesthesia in metastatic pain of urologic origin. A new technic] Muruamendiaraz V, et al. **Actas Urol Esp** 1985 May-Jun;9(3):247-54 (Eng. Abstr.) (Spa)

[Treatment of pain in cancer patients with intrathecal morphine] González-Navarro A, et al. **Med Clin (Barc)** 1985 Apr 6;84(13):520-3 (Eng. Abstr.) (Spa)

[Dosage and latency period of morphine administered by peridural route (letter)] Villalonga Morales A, et al. **Rev Esp Anestesiol Reanim** 1984 Sep-Oct;31(5):213-4 (Spa)

[Morphine and meperidine. Comparative analysis of their use in epidural analgesia] Zafrani V, et al.

Rev Med Panama 1985 May;10(2):132-7 (Eng. Abstr.) **(Spa)**

[Intrathecal morphine as a postsurgical analgesic. 4 cases] Zafrani V. **Rev Med Panama** 1985 Jan;10(1):56-9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Effect of postoperative extradural morphine on lower urinary tract function. Husted S, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):183-5

Respiratory depression after epidural morphine in the postoperative period. Influence of posture. Molke Jensen F, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):600-2

Adverse effects due to morphine sulfate. Challenge to previous clinical doctrine. Semenkovich CF, et al. **Am J Med** 1985 Sep;79(3):325-30

Analgesic nitrous oxide: adjunct to clonidine for opioid withdrawal [letter] Gillman MA, et al. **Am J Psychiatry** 1985 Jun;142(6):784-5

Herpes simplex after spinal morphine [letter] Cardan E. **Anaesthesia** 1984 Oct;39(10):1031

Alopecia areata after epidural morphine [letter] Andersen PT. **Anesth Analg** 1984 Dec;63(12):1142

Intrathecal clonidine: analgesia and effect on opiate withdrawal in the rat. Milne B, et al. **Anesthesiology** 1985 Jan;62(1):34-8

Exposure to uncontrollable stress alters withdrawal from morphine. Williams JL, et al. **Behav Neurosci** 1984 Oct;98(5):836-46

The dependence of excitatory junction potential amplitude on the external calcium concentration in mouse vas deferens during narcotic withdrawal. Einstein R, et al. **Br J Pharmacol** 1984 Dec;83(4):863-70

Dose effects of naloxone on fixed morphine dependence: simultaneous behavioral and 2-deoxyglucose study in the rat. Geary WA 2d, et al. **Brain Res** 1985 Apr 15;332(1):69-78

Similar functional anatomy of spontaneous and precipitated morphine withdrawal. Geary WA 2d, et al. **Brain Res** 1985 May 13;334(1):183-6

Supraspinal and spinal mediation of naloxone-induced morphine withdrawal in rats. Marshall DC, et al. **Brain Res** 1985 Mar 11;329(1-2):131-42

Respiratory depression following epidural morphine [letter] Jyu C, et al. **Can Anaesth Soc J** 1985 Jan;32(1):99-100

Accidental epidural narcotic overdose [letter] Robinson RJ, et al. **Can Anaesth Soc J** 1984 Sep;31(5):594-5

The reversal of epidural morphine induced somnolence with physostigmine. Shulman MS, et al. **Can Anaesth Soc J** 1984 Nov;31(6):678-80

The effect of phenoxybenzamine on postoperative urinary complications during extradural morphine analgesia. Evron S, et al. **Eur J Anaesthesiol** 1984 Mar;1(1):45-54

Morphine and birth asphyxia. Tejavej A, et al. **J Med Assoc Thai** 1984 Oct;67 Suppl 2:73-9

Renal failure and use of morphine in intensive care [letter] Shelly M, et al. **Lancet** 1985 May 11;1(8437):1100

The quasi-morphine withdrawal syndrome: effect of cannabinol, cannabidiol and tetrahydrocannabinol. Chesher GB, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):13-5

Drugs affecting brain dopamine interfere with the effect of Z-prolyl-D-leucine on morphine withdrawal. Kovács GL, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):345-8

Apnoea in an infant due to proprietary medicines [letter] Bolton KD, et al. **S Afr Med J** 1985 Jan 19;67(3):78

[Postoperative respiratory depression after the administration of epidural morphine] Jensen NH, et al. **Ugeskr Laeger** 1985 May 13;147(20):1625-6 (Eng. Abstr.) **(Dan)**

[Postoperative intestinal atony. A randomized study of the effect of morphine and pethidine] Olesen KL, et al. **Ugeskr Laeger** 1985 Mar 11;147(11):955-6 (Eng. Abstr.) **(Dan)**

[Withdrawal syndrome during epidural administration of morphine after stopping treatment with clonidine] Ropiquet S, et al. **Ann Fr Anesth Reanim** 1984;3(5):380-2 (Eng. Abstr.) **(Fre)**

[Delayed respiratory depression after epidural morphine] Eldor J, et al. **Harefuah** 1985 May 1;108(9):441-3 (Eng. Abstr.) **(Heb)**

[Side effects of epidural morphine with special reference to age and sex] Suzuki M, et al. **Masui** 1985 May;34(5):676-81 (Eng. Abstr.) **(Jpn)**

[Chronopharmacological study of physical dependence on morphine in rats.] Suzuki T, et al. **Nippon Yakurigaku Zasshi** 1985 Jan;85(1):17-22 (Eng. Abstr.) **(Jpn)**

[Treatment of opiate withdrawal syndromes (historical review)] Jeziorski K, et al. **Pol Tyg Lek** 1984 Oct 22;39(43):1433-6 (45 ref.) **(Pol)**

[Urinary retention following postoperative epidural morphine analgesia] Villalonga Morales A, et al. **Rev Esp Anestesiol Reanim** 1984 Nov-Dec;31(6):238-40 (Eng. Abstr.) **(Spa)**

ANALYSIS

Stability of morphine sulfate and meperidine hydrochloride in a parenteral nutrient formulation. Macias JM, et al. **Am J Hosp Pharm** 1985 May;42(5):1087-94

Morphine concentrations in brain tissue from heroin-associated deaths. Pare EM, et al. **J Anal Toxicol** 1984 Sep-Oct;8(5):213-6

Liquid chromatographic determination of morphine sulfate and some contaminants in injections and bulk drug material. Jhangiani RK, et al. **J Assoc Off Anal Chem** 1985 May-Jun;68(3):523-7

Determination of morphine in serum and cerebrospinal fluid by gas chromatography and selected ion monitoring after reversed-phase column extraction. Drost RH, et al. **J Chromatogr** 1984 Sep 14;310(1):193-8

Determination of morphine in biological samples by gas chromatography-mass spectrometry. Evidence for persistent tissue binding in rats twenty-two days post-withdrawal. Jones AW, et al. **J Chromatogr** 1984 Jul 13;309(1):73-80

Determination of pseudomorphine in morphine injection by high-performance liquid chromatography. Lee MG. **J Chromatogr** 1984 Nov 16;312:473-5

Analysis of opium and crude morphine samples by capillary gas chromatography. Comparison of impurity profiles. Neumann H. **J Chromatogr** 1984 Dec 19;315:404-11

A study of transacetylation between 3,6-diacetylmorphine and morphine. Dybowski R, et al. **J Chromatogr Sci** 1984 Oct;22(10):465-9

Morphine in lymph nodes of heroin users. Nakamura GR, et al. **J Forensic Sci** 1983 Jan;28(1):249-50

Determination of 'Brompton's cocktails' by circular dichroism. Atkinson WM, et al. **J Pharm Sci** 1984 Dec;73(12):1827-8

Synthesis and determination of 10-oxomorphine, a decomposition product of morphine. Proksa B. **Pharmazie** 1984 Oct;39(10):687-8

[Selection of opium poppy. On the relation of incision time of poppy (Ikkanshu) capsule to morphine and codeine yields] Satake M, et al. **Eisei Shikenjo Hokoku** 1984;(102):117-20 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Physostigmine: effectiveness as an antagonist of respiratory depression and psychomotor effects caused by morphine or diazepam. Bourke DL, et al. **Anesthesiology** 1984 Nov;61(5):523-8

Halothane antagonizes effect of morphine on the motor reaction threshold in rats. Kissin I, et al. **Anesthesiology** 1984 Dec;61(6):671-6

Intralingual naloxone reversal of morphine-induced respiratory depression in dogs. Maio RF, et al. **Ann Emerg Med** 1984 Dec;13(12):1087-91

Effects of oxytocin and a derivative (Z-prolyl-D-leucine) on morphine tolerance/withdrawal are mediated by the limbic system. Kovács GL, et al. **Behav Brain Res** 1984 Oct;14(1):1-8

6-OHDA lesions of the ventral tegmental area block morphine-induced but not amphetamine-induced facilitation of self-stimulation. Hand TH, et al. **Brain Res** 1985 Mar 4;328(2):233-41

Bradykinin antagonizes morphine-induced analgesia in rats. Argiolas A, et al. **Eur J Pharmacol** 1985 Jun 7;112(2):277-80

ACTH-(1-24) antagonizes the contractile effect of morphine on the isolated rat colon. Castelli M, et al. **Eur J Pharmacol** 1985 Jan 22;108(2):213-4

Biochemical correlates of morphine withdrawal. 2. Effects of clonidine. DiStefano PS, et al. **J Pharmacol Exp Ther** 1985 May;233(2):339-44

Reversal of the antinociceptive effects of centrally-administered morphine by the benzodiazepine receptor antagonist Ro 15-1788. Brady LS, et al. **Life Sci** 1984 Dec 24;35(26):2593-600

Inhibitory influences of FMRFamide on morphine- and deprivation-induced feeding. Kavaliers M, et al. **Neuroendocrinology** 1985 Jun;40(6):533-5

Is cholecystokinin octapeptide (CCK-8) a candidate for endogenous anti-opioid substrates? Han JS, et al. **Neuropeptides** 1985 Feb;5(4-6):399-402

The putative serotonin receptor agonist 8-hydroxy-2-(di-n-propylamino)tetralin antagonizes the antinociceptive effect of morphine. Berge OG, et al. **Neurosci Lett** 1985 Feb 28;54(1):71-5

Antagonism of morphine analgesia by prolyl-leucyl-glycinamide (MIF-1) in humans. Ehrensing RH, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):975-8

Comparative effects of prolyl-leucyl-glycinamide and naloxone on morphine-induced inhibition of gastrointestinal transit. Pillai NP, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):365-8

BIOSYNTHESIS

A second pathway for the terminal steps in the biosynthesis of morphine. Brochmann-Hanssen E. **Planta Med** 1984 Aug;50(4):343-5

BLOOD

Sensitive and specific morphine radioimmunoassay with iodine label: pharmacokinetics of morphine in man after intravenous administration. Moore RA, et al. **Ann Clin Biochem** 1984 Jul;21 (Pt 4):318-25

Experience with a haemagglutination inhibition test for morphine detection in urine. Rambohul E, et al. **Ann Clin Biochem** 1985 Mar;22 (Pt 2):211-2

Plasma concentrations following single doses of morphine sulfate in oral solution and rectal suppository. Ellison NM, et al. **Clin Pharm** 1984 Nov-Dec;3(6):614-7

A rapid method for the determination of blood morphine concentration suitable for use in studies involving acute and chronic pain. Gourlay GK, et al. **J Pharmacol Methods** 1985 Jul;13(4):317-24

Morphine-6-glucuronide, an important factor in interpreting morphine radioimmunoassays [letter] Aherne GW, et al. **Lancet** 1985 Jul 27;2(8448):210-1

Kinetics of morphine in patients with renal failure [letter] Säwe J, et al. **Lancet** 1985 Jul 27;2(8448):211

Fetal lamb clearance of morphine as determined by high performance liquid chromatography with electrochemical detection. Olsen GD, et al. **Neuropeptides** 1984 Dec;5(1-3):77-80

CEREBROSPINAL FLUID

Kinetics of morphine in cerebrospinal fluid after epidural administration. Gustafsson LL, et al. **Acta Anaesthesiol Scand** 1984 Oct;28(5):535-9

CSF pharmacokinetics of extradural morphine [letter] Friedrich G, et al. **Br J Anaesth** 1985 Sep;57(9):936

CSF distribution of morphine, methadone and sucrose after intrathecal injection. Payne R, et al. **Life Sci** 1985 Sep 23;37(12):1137-44

DIAGNOSTIC USE

Prolactin response to morphine in depression. Zis AP, et al. **Biol Psychiatry** 1985 Mar;20(3):287-92

Neuroendocrinological study of opioid and serotoninergic systems in migraine patients. Bussone G, et al. **Ital J Neurol Sci** 1984 Dec;5(4):413-6

Cortisol response to morphine and the DST [letter] Banki CM, et al. **Psychiatry Res** 1985 May;15(1):81-3

Cortisol escape from morphine suppression. Zis AP, et al. **Psychiatry Res** 1985 Jun;15(2):91-5

IMMUNOLOGY

Anti-morphine anti-idiotypic antibodies. Opiate receptor binding and isolated tissue responses. Ng DS, et al. **Biochem Pharmacol** 1985 Aug 15;34(16):2853-8

Binding of antimorphine anti-idiotypic antibodies to opiate receptors. Ng DS, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):187-90

Rabbit anti-idiotypic antibodies raised against monoclonal anti-morphine IgG block mu & delta opiate receptor sites. Glasel JA, et al. **Life Sci** 1985 Jul 1;36(26):2523-9

ISOLATION & PURIFICATION

The search for the ideal analgesic. Todd WM. **Acta Anaesthesiol Belg** 1984;35 Suppl:237-41

Morphine and other opiates from beef brain and adrenal. Goldstein A, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5203-7

Isolation of morphine from toad skin. Oka K, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1852-4

METABOLISM

Rectal administration of morphine hydrogel: absorption and bioavailability in women. Westerling D, et al. **Acta Anaesthesiol Scand** 1984 Oct;28(5):540-3

Morphine concentration in brain and spinal cord after subarachnoid morphine injection in baboons. Gregory MA, et al. **Anesth Analg** 1985 Sep;64(9):929-32

Blood pH and brain uptake of 14C-morphine. Schulman DS, et al. **Anesthesiology** 1984 Nov;61(5):540-3

Systemic availability of oral slow-release morphine in man. Moore RA, et al. **Ann Clin Biochem** 1985 May;22 (Pt 3):226-31

Oral morphine in cancer patients: in vivo kinetics and in vitro hepatic glucuronidation. Säwe J, et al. **Br J Clin Pharmacol** 1985 Apr;19(4):495-501

Variation in morphine pharmacokinetics in children with cancer. Nahata MC, et al. **Dev Pharmacol Ther** 1985;8(3):182-8

Glucuronidation of morphine and six beta 2-sympathomimetics in isolated rat intestinal epithelial cells. Koster AS, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):232-8

CSF and plasma pharmacokinetics of intramuscular morphine. Nordberg G, et al. **Eur J Clin Pharmacol** 1985;27(6):677-81

Enhanced metabolism of morphine in Octodon degus compared to Wistar rats. Letelier ME, et al. **Gen Pharmacol** 1984;15(5):403-6

The release of morphine from the mast cells by 48/80 in morphine perfused dogs. Akcasu A, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Jan;23(1):33-7

Determination of cross-reactant drugs with a new morphine radioimmunoassay procedure. Matejczyk RJ, et al. **J Forensic Sci** 1985 Jul;30(3):677-80

Pharmacokinetics of morphine and its surrogates V: Naltrexone and naltrexone conjugate pharmacokinetics in the dog as a function of dose. Garrett ER, et al. **J Pharm Sci** 1985 Jan;74(1):50-6

Pharmacokinetics of morphine and its surrogates VI: Bioanalysis, solvolysis kinetics, solubility, pK'a values, and protein binding of buprenorphine. Garrett ER, et al. **J Pharm Sci** 1985 May;74(5):515-24

Natural (-)- and unnatural (+)-enantiomers of morphine: comparative metabolism and effect of morphine and phenobarbital treatment. Rane A, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):761-5

Renal failure and the use of morphine in intensive care. Ball M, et al. **Lancet** 1985 Apr 6;1(8432):784-6

Morphine metabolism: does the renal hypothesis hold water? [letter] Hanks GW, et al. **Lancet** 1985 Jan 26;1(8422):221-2

Plasma and CSF morphine concentrations after i.m. and epidural administration. Bellanca L, et al. **Pharmacol Res Commun** 1985 Feb;17(2):189-96

[Morphine metabolism in critical patients with need-directed peridural morphine infusion for the management of postoperative pain] Chrubasik J, et al. **Schweiz Med Wochenschr** 1985 Feb 9;115(6):197-202 (Eng. Abstr.) **(Ger)**

[Effect of ethanol on the enkephalinergic opioid system of the rat brain] Beliaev NA, et al. **Biokhimiia** 1984 Sep; 49(9):1425-30 (Eng. Abstr.) **(Rus)**

[Stability of opiate receptors of wet and lyophilized preparations of rat brain membranes] Zaitsev SV, et al. **Biokhimiia** 1984 Jul;49(7):1127-33 (Eng. Abstr.) **(Rus)**

[Differential method of analyzing ligand complex formation with binding centers. The detection of the superhigh-affinity binding centers of opiate ligands] Zaitsev SV, et al. **Dokl Akad Nauk SSSR** 1985;281(3):727-31 **(Rus)**

PHARMACODYNAMICS

No effect of naloxone or morphine on plasma catecholamines during hemorrhage in rat. Farnebo LO, et al. **Acta Chir Scand [Suppl]** 1984;520:105-8

Morphine antidiuresis in conscious rats: contribution of vasopressin and blood pressure. Grell S, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):38-43

Intrathecal morphine induces myoclonic seizures in the rat. Shohami E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):50-4

Effect of prostaglandins on morphine-induced catalepsy in mice. Brus R, et al. **Acta Physiol Pol** 1983 Sep-Dec; 34(5-6):477-82

Plasma histamine and hemodynamic responses following administration of nalbuphine and morphine. Muldoon SM, et al. **Agents Actions** 1984 Oct;15(3-4):229-34

Differential response to ethanol, pentobarbital and morphine in mice selectively bred for ethanol sensitivity. Khanna JM, et al. **Alcohol** 1984 Jan-Feb;1(1):3-7

Morphine and naloxone modulate intake of ethanol. Reid LD, et al. **Alcohol** 1984 Jan-Feb;1(1):33-7

Effect of morphine on gastric emptying [letter] Vater M, et al. **Anaesthesia** 1985 Jan;40(1):81-2

The effects of naloxone associated with the intrathecal use of morphine in labor. Dailey PA, et al. **Anesth Analg** 1985 Jul;64(7):658-66

Effects of low-dose morphine and fentanyl infusions on urinary and plasma catecholamine concentrations during scoliosis surgery. Pathak KS, et al. **Anesth Analg** 1985 May; 64(5):509-14

Morphine--caffeine analgesic interaction in rats. Person DL, et al. **Anesth Analg** 1985 Sep;64(9):851-6

Potentiation of systemic morphine analgesia in humans by proglumide, a cholecystokinin antagonist. Price DD, et al. **Anesth Analg** 1985 Aug;64(8):801-6

Influence of fentanyl and morphine on intestinal circulation. Tverskoy M, et al. **Anesth Analg** 1985 Jun;64(6):577-84

Comparison of histamine release in human skin mast cells induced by morphine, fentanyl, and oxymorphone. Hermens JM, et al. **Anesthesiology** 1985 Feb;62(2):124-9

Baroreceptor reflex control of heart rate during morphine sulfate, diazepam, N2O/O2 anesthesia in humans. Kotrly KJ, et al. **Anesthesiology** 1984 Nov;61(5):558-63

Antimicrobial activity of bupivacaine and morphine. Rosenberg PH, et al. **Anesthesiology** 1985 Feb;62(2):178-9

Scopolamine, morphine, and brain-stem auditory evoked potentials in awake monkeys. Samra SK, et al. **Anesthesiology** 1985 Apr;62(4):437-41

Morphine-induced disruption of behavioral but not hippocampal conditioned responses during appetitive classical conditioning. Oliver CG, et al. **Ann NY Acad Sci** 1985;444:525-7

Effects of atropine, pilocarpine and morphine on footshock-induced aggressive behaviour in rats after lesion of hippocampal pyramidal cells with kainic acid. Milart P, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982; 37:35-43

Drinking behavior is modulated by CNS administration of opioids in the rat. Czech DA, et al. **Appetite** 1984 Mar; 5(1):15-24

Comparative effects of morphine and cyclazocine on gastrointestinal motility in conscious dogs. Fioramonti J, et al. **Arch Int Pharmacodyn Ther** 1984 Jul;270(1):141-50

Effects of intracerebral morphine and enkephalins on the caudate-EEG spindle burst. Kamata K, et al. **Arch Int Pharmacodyn Ther** 1985 May;275(1):68-77

Antagonism of the hypertensive effect of physostigmine in anesthetized rat by morphine. Oktay S, et al. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):275-81

Suppression of food and water intake after intracerebroventricular infusion of morphine and naloxone in rabbits. Konecka AM, et al. **Arch Int Physiol Biochim** 1984 Oct;92(3):219-26

Effects of morphine, enkephalins and naloxone on postprandial gastric acid secretion, gastric emptying and gastrin release in dogs. Kostritsky-Pereira A, et al. **Arch Int Physiol Biochim** 1984 Apr;92(1):19-26

Identification of a biologically active circulating form of rat atrial natriuretic factor. Thibault G, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):981-6

The analgesically effective peptide deprolorphin exhibits cross-tolerance to morphine in rats. Grecksch G, et al. **Biomed Biochim Acta** 1985;44(4):649-52

Effect of premedication with diazepam, morphine or nalbuphine on gastrointestinal motility after surgery. Shah M, et al. **Br J Anaesth** 1984 Nov;56(11):1235-8

Actions of morphine, pethidine and pentazocine on the oestrus and pregnant rat uterus in vitro. Sivalingam T, et al. **Br J Anaesth** 1985 Apr;57(4):430-3

The dependence of excitatory junction potential amplitude on the external calcium concentration in narcotic tolerant mouse vas deferens. Einstein R, et al. **Br J Pharmacol** 1984 Dec;83(4):853-61

Purine involvement in morphine antinociception. Mantegazza P, et al. **Br J Pharmacol** 1984 Dec;83(4):883-8

Potentiation of morphine analgesia by caffeine. Misra AL, et al. **Br J Pharmacol** 1985 Apr;84(4):789-91

The effects of meptazinol in comparison with pentazocine, morphine and naloxone in a rat model of anaphylactic shock. Paciorek PM, et al. **Br J Pharmacol** 1985 Feb; 84(2):469-75

Antinociception from a stereospecific action of morphine microinjected into the brainstem: a local or distant site of action? Prado WA, et al. **Br J Pharmacol** 1984 Aug; 82(4):877-82

Epileptiform effects of met-enkephalin, beta-endorphin and morphine: kindling of generalized seizures and potentiation of epileptiform effects by handling. Cain DP, et al. **Brain Res** 1985 Jul 15;338(2):327-36

Characterization of the spinal adrenergic receptors mediating the spinal effects produced by the microinjection of morphine into the periaqueductal gray. Camarata PJ, et al. **Brain Res** 1985 Jun 10;336(1):133-42

Differential responses of serotonergic and non-serotonergic neurons in nucleus raphe magnus to systemic morphine in rats. Chiang CY, et al. **Brain Res** 1985 Jun 24; 337(1):146-50

Opioid inhibition of reflex urinary bladder contractions: dissociation of supraspinal and spinal mechanisms. Dray A, et al. **Brain Res** 1985 Jun 24;337(1):142-5

Comparative effects of sciatic nerve stimulation, blood pressure, and morphine on the activity of A5 and A6 pontine noradrenergic neurons. Guyenet PG, et al. **Brain Res** 1985 Feb 18;327(1-2):191-201

Contralateral circling induced by tegmental morphine: anatomical localization, pharmacological specificity, and phenomenology. Holmes LJ, et al. **Brain Res** 1985 Feb 4;326(1):19-26

Acute morphine treatment and morphine tolerance/dependence alter immunoreactive oxytocin levels in the mouse hippocampus. Kovács GL, et al. **Brain Res** 1985 Feb 25;328(1):158-60

Antinociceptive effects of intrathecal opioids, noradrenaline and serotonin in rats: mechanical and thermal algesic tests. Kuraishi Y, et al. **Brain Res** 1985 Feb 4;326(1):168-71

Possible involvement of serotonergic neurotransmission in neurotensin but not morphine analgesia. Long JB, et al. **Brain Res** 1984 Sep 17;310(1):35-41

Influence of morphine and cyclazocine on the cortical epileptic foci in rabbits. Massotti M, et al. **Brain Res** 1984 Sep 24;310(2):201-12

Effect of opiates on the release of cholecystokinin from in vitro hypothalamus and frontal cortex of Zucker lean (Fa/-) and obese (fa/fa) rats. Micevych PE, et al. **Brain Res** 1985 Jul 1;337(2):382-5

Increased brain norepinephrine metabolism correlated with analgesia produced by the periaqueductal gray injection of opiates. Reigle TG. **Brain Res** 1985 Jul 8;338(1):155-9

Unidirectional non-cross-tolerance (UNCT) in rats and an apparent dissociation between narcotic tolerance and physical dependence. Roerig SC, et al. **Brain Res** 1985 Feb 18;327(1-2):91-6

Tolerance to morphine analgesia: decreased multiplicative interaction between spinal and supraspinal sites. Roerig SC, et al. **Brain Res** 1984 Aug 13;308(2):360-3

Changes of serotonin and dopamine metabolism in various forebrain areas of rats injected with morphine either systemically or in the raphe nuclei dorsalis and medianus. Spampinato U, et al. **Brain Res** 1985 Feb 25;328(1):89-95

Potentiation of morphine analgesia by the cholecystokinin antagonist proglumide. Watkins LR, et al. **Brain Res** 1985 Feb 18;327(1-2):169-80

Effect of spinal cord lesions on convulsive activity induced by intrathecal morphine. Watkins LR, et al. **Brain Res** 1984 Sep 24;310(2):337-45

Morphine and specific changes in the sensitivity of noradrenergic receptors within the 'limbic' part of the feline caudate nucleus: a behaviour study. Cools AR. **Brain Res Bull** 1985 Mar;14(3):239-50

Effects of enkephalin and morphine on rat globus pallidus neurons. Frey JM, et al. **Brain Res Bull** 1985 Mar; 14(3):251-9

Effects of morphine and naloxone on hippocampal CA3 field potentials following systemic administration in the freely-moving rat. Linseman MA, et al. **Brain Res Bull** 1984 Aug;13(2):241-5

Sex and strain differences in morphine-induced temperature effects in WKYs and SHRs. Quock RM, et al. **Brain Res Bull** 1985 Apr;14(4):323-6

Temporal variation in morphine-mast cell interaction. Polat C. **Chronobiologia** 1985 Apr-Jun;12(2):169-72

The possible involvement of adrenoceptors in the intestinal effect of morphine in mice. Wong CL. **Clin Exp Pharmacol Physiol** 1984 Nov-Dec;11(6):605-10

The effect of quaternary naloxone on the increased naloxone potency induced by morphine. Wong CL, et al. **Clin Exp Pharmacol Physiol** 1984 Sep-Oct;11(5):467-71

Hemodynamic and respiratory effects of dezocine, ciramadol, and morphine. Rothbard RL, et al. **Clin Pharmacol Ther** 1985 Jul;38(1):84-8

Effect of morphine on fetal electrocortical activity and breathing movements in fetal sheep. Toubas PL, et al. **Dev Pharmacol Ther** 1985;8(2):115-28

Cynomolgus monkeys and morphine tolerance and dependence. Aceto MD, et al. **Drug Alcohol Depend** 1985 May;15(1-2):15-8

Response of prolactin, growth hormone and corticosterone secretion to morphine administration or stress exposure in Wistar-AVN and Long Evans rats. Jurčovičová J, et al. **Endocrinol Exp (Bratisl)** 1984 Dec;18(4):209-14

Opioid and neurotransmitter regulation of pituitary gonadotropin-releasing hormone (GnRH) receptors in the ovariectomized estradiol-treated rat: role of altered GnRH secretion. Barkan AL, et al. **Endocrinology** 1985 Mar; 116(3):1003-10

Effects of (-)-N6-(R-phenylisopropyl)-adenosine (PIA) and caffeine on nociception and morphine-induced analgesia, tolerance and dependence in mice. Ahlijanian MK, et al. **Eur J Pharmacol** 1985 Jun 7;112(2):171-9

Dose-dependent effects of prolyl-leucyl-glycinamide on morphine-induced analgesia, tolerance and dependence. Contreras PC, et al. **Eur J Pharmacol** 1984 Jun 15; 102(1):13-22

Proconvulsant effect of morphine on seizures induced by pentylenetetrazol in the rat. Foote F, et al. **Eur J Pharmacol** 1984 Oct 1;105(1-2):179-84

Decreased acid secretion and gastric lesion production by morphine in rats. Ho MM, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):117-21

Nitrous oxide generalizes to a discriminative stimulus produced by ethylketocyclazocine but not morphine. Hynes MD, et al. **Eur J Pharmacol** 1984 Oct 1; 105(1-2):155-9

Analgesic effects of cyclazocine and morphine microinjected into the rat dorsomedial hypothalamus demonstrated by the bradykinin-induced flexor reflex test. Kawajiri S, et al. **Eur J Pharmacol** 1985 Apr 23;111(1):117-20

Inhibition of the cardiac response to sympathetic nerve stimulation by opioid peptides and its potentiation by morphine and methadone. Ledda F, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):443-50

Effects of acute and chronic morphine treatment on methadone analgesia and metabolism. Liu SJ, et al. **Eur J Pharmacol** 1985 Feb 12;109(1):55-63

Attenuation of pharmacological effects and increased metabolism of phencyclidine in morphine tolerant mice. Nabeshima T, et al. **Eur J Pharmacol** 1984 Sep 17; 104(3-4):211-21

Presynaptic alpha 2-adrenoceptor subsensitivity in the morphine-withdrawn mouse vas deferens. Rae GA, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):261-6

Prolactin analgesia: tolerance and cross-tolerance with morphine. Ramaswamy S, et al. **Eur J Pharmacol** 1985 May 28;112(1):123-5

Increase in [3H]nitrendipine binding sites in the brain in morphine-tolerant mice. Ramkumar V, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):371-2

Dynorphin-(1-13) restores the potency of morphine on the tolerant guinea pig ileum. Rezvani A, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):475-9

Differential effects of morphine on core temperature in stressed and non-stressed rats. Ushijima I, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):331-7

Response of serotonin-containing neurons in nucleus raphe magnus to morphine, noxious stimuli, and periaqueductal gray stimulation in freely moving cats. Auerbach S, et al. **Exp Neurol** 1985 Jun;88(3):609-28

Stimulation of the periaqueductal gray subdues sensitized pain in morphine- and meperidine-dependent rats. Emmers R. **Exp Neurol** 1985 May;88(2):405-17

Morphine selectively facilitates the inspiratory-inhibitory vagal reflex in adult rabbits. Budzińska K, et al. **Experientia** 1985 Apr 15;41(4):458-60

The effects of acute and chronic morphine on regional distribution of cardiac output in brain. Law WR, et al. **Experientia** 1985 Jan 15;41(1):78-80

Influence of hydrochlorothiazide on the pain threshold and on the antinociceptive activity of morphine, in rats. Poggioli R, et al. **Experientia** 1985 Feb 15;41(2):265-6

Morphine depression of T cell E-rosetting: definition of the process. Donahoe RM, et al. **Fed Proc** 1985 Jan;44(1 Pt 1):95-9

Effects of morphine and atropine on motility and transit in the human ileum. Borody TJ, et al. **Gastroenterology** 1985 Sep;89(3):562-70

Influence of morphine tolerance and withdrawal on intestinal salt and water transport in the rat in vivo and in vitro. Warhurst G, et al. **Gastroenterology** 1984 Nov; 87(5):1035-41

Possible mechanisms implicated on the hypothermic effect induced by morphine in guinea-pig. Milanés MV, et al. **Gen Pharmacol** 1984;15(4):357-60

Testosterone and tolerance in rat vas deferens. Miranda HF, et al. **Gen Pharmacol** 1984;15(6):529–33

Influence of morphine on the distal oesophagus and the lower oesophageal sphincter—a manometric study. Dowlatshahi K, et al. **Gut** 1985 Aug;26(8):802–6

Prolactin response to morphine and stress in Brattleboro hetero- and homozygous rats. Jurčovičová J, et al. **Horm Metab Res** 1985 Jul;17(7):382

A study of dopaminergic mechanism in morphine induced Straub tail response. Jaju BP, et al. **Indian J Exp Biol** 1984 Aug;22(8):424–7

Potentiation of the cataleptic effect of morphine and clonidine by amodiaquine in mice. Jadhav JH, et al. **Indian J Physiol Pharmacol** 1984 Oct–Dec;28(4):338–40

Effects of morphine on: spontaneous, dorsal raphe, spinal tract of trigeminal nucleus, medial lemniscus and reticular lateral magnocellular evoked responses of hypothalamic units, in naive and morphine physically dependent rats. Prieto–Gomez B, et al. **Int J Neurosci** 1984 Apr;23(2):131–45

Antinociceptive models displaying peripheral opioid activity. Smith TW, et al. **Int J Tissue React** 1985;7(1):61–7

Effects of morphine on somatocardiac sympathetic reflexes in spinalized cats. Sato A, et al. **J Auton Nerv Syst** 1985 Feb–Mar;12(2–3):175–84

Effects of enkephalins, morphine, and naloxone on pial arteries during perivascular microapplication. Wahl M. **J Cereb Blood Flow Metab** 1985 Sep;5(3):451–7

Opioid effects on plasma concentrations of luteinizing hormone and prolactin in the adult male rhesus monkey. Gilbeau PM, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):299–305

Morphine inhibits the pituitary–adrenal response to ovine corticotropin–releasing hormone in normal subjects. Rittmaster RS, et al. **J Clin Endocrinol Metab** 1985 May;60(5):891–5

Effects of morphine on glucose homeostasis in the conscious dog. Radosevich PM, et al. **J Clin Invest** 1984 Oct;74(4):1473–80

The effect of buprenorphine and morphine on intraluminal pressure of the common bile duct. Pausawasdi S, et al. **J Med Assoc Thai** 1984 Jun;67(6):329–33

Effects of aging and morphine administration on calmodulin and calmodulin–regulated enzymes in striata of mice. Hoskins B, et al. **J Neurochem** 1985 Apr;44(4):1069–73

Morphine–induced changes in histamine dynamics in mouse brain. Nishibori M, et al. **J Neurochem** 1985 Sep;45(3):719–24

Morphine inhibits the carrageenan–induced oedema and the chemoluminescence of leucocytes stimulated by zymosan. Gyires K, et al. **J Pharm Pharmacol** 1985 Feb;37(2):100–4

Evidence for the dissociation of morphine analgesia, tolerance and dependence. Kaneto H, et al. **J Pharm Pharmacol** 1985 Jul;37(7):507–8

Relationship of morphine–induced miosis to plasma concentration in normal subjects. Fedder IL, et al. **J Pharm Sci** 1984 Oct;73(10):1496–7

Effects of morphine and indomethacin on evoked neuronal responses of ventrobasal thalamic neurones: site of action of analgesic drugs in non–adjuvant arthritic rats. Okuyama S, et al. **J Pharmacobiodyn** 1985 Jan;8(1):56–63

Biochemical correlates of morphine withdrawal. 1. Characterization in the adrenal medulla and locus ceruleus. DiStefano PS, et al. **J Pharmacol Exp Ther** 1985 May;233(2):333–8

Inhibition of urinary bladder contractions by a spinal action of morphine and other opioids. Dray A, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):254–60

Chronic stress, aging and morphine analgesia: chronic stress affects the reactivity to morphine in young mature but not old rats. Girardot MN, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):545–53

Separation of opioid analgesia from respiratory depression: evidence for different receptor mechanisms. Ling GS, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):149–55

Morphine–induced mydriasis and inhibition of pupillary light reflex and fluctuations in the cat. Pickworth WB, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):603–6

Dose- and time–dependent biphasic response to morphine on intestinal migrating myoelectric complex. Sarna SK, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):814–20

Effects of single and repeated daily injections of morphine, clonidine and l–nantradol on responding of squirrel monkeys under escape titration. Smith JB. **J Pharmacol Exp Ther** 1985 Jul;234(1):94–9

Is acute morphine hyperthermia of unrestrained rats due to selective activation of brown adipose tissue thermogenesis? Thornhill JA, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):422–9

Differential actions of intrathecal naloxone on blocking the tail–flick inhibition induced by intraventricular beta–endorphin and morphine in rats. Tseng LF, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):74–9

Modification of antinociceptive action of morphine by dopamine agonist and antagonist in mice. Kamata K, et al. **Jpn J Pharmacol** 1985 May;38(1):113–5

Adrenal function affects morphine–induced feeding during dark period, but not during light period in rats. Kunihara M, et al. **Jpn J Pharmacol** 1984 Sep;36(1):67–75

Effects of morphine and indomethacin on evoked neuronal responses of ventrobasal thalamic neurones: site of action of analgesic drugs in adjuvant arthritic rats. Okuyama S, et al. **Jpn J Pharmacol** 1984 Oct;36(2):177–86

Comparative studies on morphine- and stress–induced analgesia and the development of tolerance to the effects: implication of protein synthesis mechanism in the process. Takahashi M, et al. **Jpn J Pharmacol** 1985 Feb;37(2):197–202

Evidences that endogenous 5–hydroxytryptamine participates in the contractile response to morphine in the rat isolated colon. Kitazawa T. **Kitasato Arch Exp Med** 1984 Apr;57(1):47–56

Restraint stress enhances morphine–induced analgesia in the rat without changing apparent affinity of receptor. Appelbaum BD, et al. **Life Sci** 1985 Mar 18;36(11):1069–74

Place conditioning with morphine and phencyclidine: dose dependent effects. Barr GA, et al. **Life Sci** 1985 Jan 28;36(4):363–8

Substance P levels in various regions of the rat central nervous system after acute and chronic morphine treatment. Bergström L, et al. **Life Sci** 1984 Dec 3;35(23):2375–82

Stereospecific opiate receptors in the actions of thyrotropin releasing hormone and morphine on gastrointestinal transit. Bhargava HN, et al. **Life Sci** 1985 Jan 7;36(1):83–8

In vivo electrochemical studies of rat striatal dopamine and serotonin release after morphine. Broderick PA. **Life Sci** 1985 Jun 17;36(24):2269–75

Luteinizing hormone releasing hormone mediates naloxone's effects on serum luteinizing hormone levels in normal and morphine–sensitized male rats. Cicero TJ, et al. **Life Sci** 1985 Aug 5;37(5):467–74

The occurrence of cross–tolerance between morphine and ethyl–ketocyclazocine using the tail–flick test: lack of effect of diazepam, phenobarbital, or amphetamine. Eisenberg RM. **Life Sci** 1985 Sep 9;37(10):915–22

Fluoxetine, a selective inhibitor of serotonin uptake, potentiates morphine analgesia without altering its discriminative stimulus properties or affinity for opioid receptors. Hynes MD, et al. **Life Sci** 1985 Jun 17;36(24):2317–23

Tolerance to morphine–induced analgesia in mice: magnetic fields function as environmental specific cues and reduce tolerance development. Kavaliers M, et al. **Life Sci** 1985 Sep 23;37(12):1125–35

Evidence for the activation of the endogenous opiate system in hamsters infected with human blood flukes, Schistosoma mansoni. Kavaliers M, et al. **Life Sci** 1984 Dec 3;35(23):2365–73

Nocturnal feeding in the mouse—opiate and pineal influences. Kavaliers M, et al. **Life Sci** 1985 Mar 11;36(10):973–80

Dual action of morphine on cold–stimulated thyrotropin secretion in male rats. Männistö PT, et al. **Life Sci** 1984 Sep 3;35(10):1101–7

Morphine decreases 3H–norepinephrine release and increases endogenous norepinephrine levels in the isolated cat superior cervical ganglion. Martínez AE, et al. **Life Sci** 1985 Apr 29;36(17):1679–85

The biochemical and behavioral effects of phospholipase A2 and morphine microinjections in the periaqueductal gray of the rat. Reichman M, et al. **Life Sci** 1985 Feb 11;36(6):515–23

Variations of prolactin content in human cerebrospinal fluid after metoclopramide and morphine. Rolandi E, et al. **Life Sci** 1985 Mar 4;36(9):901–5

GABA in morphine analgesia and tolerance. Sivam SP, et al. **Life Sci** 1985 Jul 22;37(3):199–208 (52 ref.)

Long–term changes in self–stimulation threshold by repeated morphine and naloxone treatment. van Wolfswinkel L, et al. **Life Sci** 1985 Jul 15;37(2):169–76

Hyperthermia induced by morphine administration to the VTA of the rat brain: an effect dissociable from morphine–induced reward and hyperactivity. Vezina P, et al. **Life Sci** 1985 Mar 18;36(11):1095–105

Increased analgesic potency of morphine and increased brain opioid binding sites in the rat following chronic naltrexone treatment. Yoburn BC, et al. **Life Sci** 1985 Jun 17;36(24):2325–32

The effects of morphine and nalbuphine on intestinal transit in mice. Wong CL. **Methods Find Exp Clin Pharmacol** 1984 Nov;6(11):685–9

The involvement of histamine receptors in morphine–induced increased naloxone potency in mice. Wong CL. **Methods Find Exp Clin Pharmacol** 1985 Feb;7(2):69–74

Irreversible and reversible narcotic agonists: discriminative and analgesic effects of buprenorphine, oxymorphazone, and morphine. France CP, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:136–42

Differential tolerance and cross–tolerance to chronic treatment with mu and kappa opioid agonists in the rat. Young GA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:121–7

Acceleration of cerebral noradrenaline turnover after morphine withdrawal and its retardation by acute morphine administration in rats. Attila LM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep;327(3):193–200

Retardation of cerebral dopamine turnover after morphine withdrawal and its enhanced acceleration by acute morphine administration in rats. Attila LM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep;327(3):201–7

Effects of morphine on dopamine metabolism in rat striatum and limbic structures in relation to the activity of dopaminergic neurones. Moleman P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep;327(3):208–13

Antinociceptive effect of diisopropylphosphofluoridate: development of tolerance and lack of cross–tolerance to morphine. Costa LG, et al. **Neurobehav Toxicol Teratol** 1985 May–Jun;7(3):251–6

In vivo alteration in hypothalamic amino acid synthesis during perfusion of ethanol and morphine in unrestrained rat. Noto T, et al. **Neurochem Res** 1984 Nov;9(11):1653–65

Morphine–induced TSH release in normal and hypothyroid subjects. Devilla L, et al. **Neuroendocrinology** 1985 Apr;40(4):303–8

Chronic morphine treatment induces hypersensitivity to testosterone–negative feedback in castrated male rats. Gabriel SM, et al. **Neuroendocrinology** 1985 Jan;40(1):39–44

Pituitary secretion of growth hormone in response to opioid peptides and opiates is mediated through growth hormone–releasing factor. Wehrenberg WB, et al. **Neuroendocrinology** 1985 Jul;41(1):13–6

Meptazinol cross–tolerance studies between morphine or oxotremorine. Bensreti MM, et al. **Neuropeptides** 1984 Dec;5(1–3):33–6

Opiate regulation of mesolimbic serotonin release: in vivo semiderivative electrochemical analyses. Broderick PA. **Neuropeptides** 1985 Feb;5(4–6):587–90

Opposite effects of opiate agonists on metabolic weight loss in mice. Henry LJ, et al. **Neuropeptides** 1985 Feb;5(4–6):327–30

Differential alterations by chronic treatment with morphine of pro–opiomelanocortin mRNA levels in anterior as compared to intermediate pituitary lobes of rats. Höllt V, et al. **Neuropeptides** 1985 Feb;5(4–6):481–4

Effects of acute administration of and tolerance development to morphine on the striatal calmodulin systems in mice of different ages. Hoskins B, et al. **Neuropeptides** 1984 Dec;5(1–3):61–4

Acute systemic administration of morphine selectively increases mu opioid receptor binding in the rat brain. Lewis JW, et al. **Neuropeptides** 1984 Dec;5(1–3):117–20

A genetic analysis of morphine responses in mice. Muraki T, et al. **Neuropeptides** 1984 Dec;5(1–3):69–72

Studies on action mechanisms of morphine and 1–methadone in mice. Neil A. **Neuropeptides** 1984 Dec;5(1–3):189–92

The effect of morphine upon CSF opioids in dogs. Noel MA, et al. **Neuropeptides** 1985 Feb;5(4–6):429–32

Effects of morphine and (D–Ala, Met)–enkephalinamide on 45Ca–uptake to rat brain striatal slices. Saito K, et al. **Neuropeptides** 1984 Dec;5(1–3):57–60

Biochemical changes due to narcotic receptor mediated phenomenon. Sharma SK, et al. **Neuropeptides** 1985 Feb;5(4–6):591–4

Morphine, but not diacetyl morphine (heroin), possess opiate antagonist activity in the mouse vas deferens. Smith CF. **Neuropeptides** 1984 Dec;5(1–3):173–6

Cross tolerance between ketamine and morphine to some pharmacological and biochemical effects. De Simoni MG, et al. **Neuropharmacology** 1985 Jun;24(6):541–5

A comparison of the effects of meptazinol and morphine on the release of acetylcholine from slices of mouse cerebral cortex. Ennis C, et al. **Neuropharmacology** 1984 Dec;23(12A):1431–3

Met–enkephalin and morphine but not dynorphin inhibit noxious stimuli–induced release of substance P from rabbit dorsal horn in situ. Hirota N, et al. **Neuropharmacology** 1985 Jun;24(6):567–70

Endogenous opiates and stress. Behavioral activation elicited in the rat and effects of naltrexone, diprenorphine and morphine. Katz RJ, et al. **Neuropharmacology** 1984 Dec;23(12A):1425–30

Exposure to rotating magnetic fields alters morphine–induced behavioral responses in two strains of mice. Kavaliers M, et al. **Neuropharmacology** 1985 Apr;24(4):337–40

Oxytocin and a C–terminal derivative (Z–prolyl–D–leucine) attenuate tolerance to and dependence on morphine and interact with dopaminergic neurotransmission in the mouse brain. Kovács GL, et al. **Neuropharmacology** 1985 May;24(5):413–9

Microiontophoretic application of morphine and naloxone to neurons in hypothalamus of rat. Prieto–Gomez B, et al. **Neuropharmacology** 1984 Sep;23(9):1081–9

Effect of H1 blockers alone and in combination with morphine to produce antinociception in mice. Sun CL, et al. **Neuropharmacology** 1985 Jan;24(1):1–4

The role of dopaminergic mechanisms in mediating the central behavioral effects of morphine in rodents. Feigenbaum J, et al. **Neuropsychobiology** 1984;11(2):98–105

Changes in 5–HIAA and 5–HT levels in lumbar CSF following morphine administration to conscious dogs. Bardon T, et al. **Neurosci Lett** 1984 Aug 24;49(1–2):147–51

Lesions of ventral tegmental dopamine neurons delay the development of tolerance to morphine catalepsy. Hand TH, et al. **Neurosci Lett** 1985 Apr 19;55(3):367–70

Electrolytic raphe magnus lesions block analgesia induced by a stress–morphine interaction but not analgesia induced by morphine alone. Kelly SJ, et al. **Neurosci Lett** 1984 Nov 23;52(1–2):147–52

Attenuation of ethanol–induced conditioned taste aversion by naloxazone: behavioral evidence for an opiate receptor–mediated morphine–ethanol interaction. Ng Cheong Ton JM, et al. **Neurosci Lett** 1984 Jul 27;48(2):127–32

Astrocyte opioid receptors: activation modifies the noradrenaline-evoked increase in 2-[14C]deoxyglucose incorporation into glycogen. Pearce B, et al. **Neurosci Lett** 1985 Apr 9;55(2):157-60

Morphine treatment increases clonidine binding in brain cell cultures. Plishka RJ, et al. **Neurosci Lett** 1984 Oct 12; 51(2):281-6

Profile of amino acid synthesis in rat hippocampus during push-pull perfusion of ethanol or morphine. Noto T, et al. **Neuroscience** 1984 Oct;13(2):367-76

A psychophysical analysis of morphine analgesia. Price DD, et al. **Pain** 1985 Jul;22(3):261-9

Potentiation of morphine antinociception by monoamine reuptake inhibitors in the rat spinal cord. Taiwo YO, et al. **Pain** 1985 Apr;21(4):329-37

Role of opiates in gonadotropins and prolactin secretion. Estrogens effect. Lo Dico G, et al. **Panminerva Med** 1984 Jul-Sep;26(3):157-61

Analgesic effects of dynorphin-A and morphine in mice. Nakazawa T, et al. **Peptides (Fayetteville)** 1985 Jan-Feb; 6(1):75-8

The effect of thyrotropin releasing hormone and morphine on gastrointestinal transit. Pillai NP, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1055-9

Evidence of place conditioning after chronic intrathecal morphine in rats. Advokat C. **Pharmacol Biochem Behav** 1985 Feb;22(2):271-7

Conditioned place preference with morphine: the effect of extinction training on the reinforcing CR. Bardo MT, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):545-9

Opiate receptor supersensitivity produced by chronic naloxone treatment: dissociation of morphine-induced antinociception and conditioned taste aversion. Bardo MT, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):591-7

Reassessing morphine effects in cats: II. Protracted effects on sleep-wakefulness and the EEG. de Andres I, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):923-8

Reassessing morphine effects in cats: III. Responses of intact, caudate nuclei-lesioned and hemispherectomized animals following chronic administration and precipitated withdrawal. Harris CM, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):929-36

Inhibition of mating by naloxone or morphine in recently castrated, but not intact male rats. Lieblich I, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):361-4

Tolerance to behavioral effects of clonidine after chronic administration of morphine. McKearney JW. **Pharmacol Biochem Behav** 1985 Apr;22(4):573-6

Neuroleptics block the positive reinforcing effects of amphetamine but not of morphine as measured by place conditioning. Mackey WB, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):101-5

Indomethacin facilitates acute tolerance to and dependence upon morphine as measured by changes in fixed-ratio behavior and rectal temperature in rats. Nielsen JA, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):921-31

Potentiation of morphine analgesia by subanesthetic doses of pentobarbital. Pontani RB, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):395-8

Effects of morphine and LSD on the classically conditioned nictitating membrane response. Schindler CW, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):41-6

Morphine tolerance and sensitization in the hamster. Schnur P. **Pharmacol Biochem Behav** 1985 Jan;22(1):157-8

Morphine and naloxone effects on tonic immobility and the dorsal immobility response in the rat. Smith RL, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):505-7

Effects of prenatal exposure to morphine on the development of sexual behavior in rats. Vathy IU, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):227-32

Reassessing morphine effects in cats: I. Specific behavioral responses in intact and unilaterally brain-lesioned animals. Villablanca JR, et al. **Pharmacol Biochem Behav** 1984 Dec; 21(6):913-21

Potentiation of thermoregulatory and analgesic effects of morphine by calcium antagonists. Benedek G, et al. **Pharmacol Res Commun** 1984 Oct;16(10):1009-18

The effect of morphine on monoamine release and content in guinea-pig brain slices. Bianchi C, et al. **Pharmacol Res Commun** 1985 Apr;17(4):377-84

Effects of morphine and their antagonism by dexamethasone on body temperature in restrained and unrestrained guinea-pigs. del Rio-García J, et al. **Pharmacol Res Commun** 1985 Apr;17(4):385-94

Effect of morphine on acetylcholine content of electrically stimulated brain slices. Siniscalchi A, et al. **Pharmacol Res Commun** 1985 Feb;17(2):165-75

Effects of morphine and naloxone on restraint-stress ulcers in rats. Glavin GB. **Pharmacology** 1985;31(1):57-60

Morphine potentiates the gastroulcerogenic effect of indometacin in rats. Gyires K, et al. **Pharmacology** 1985; 30(1):25-31

Androgens and effects of opioids and catecholamines on the smooth muscle of the rat vas deferens. Miranda H, et al. **Pharmacology** 1985;30(3):168-80

Effects of chronically elevated intake of different concentrations of saccharin on morphine tolerance in genetically selected rats. Cohen E, et al. **Physiol Behav** 1984 Jun;32(6):1041-3

Lymphoma, analgesia and excitability after morphine administration in mice. Eldridge D, et al. **Proc West Pharmacol Soc** 1984;27:443-6

The cardiovascular actions of morphine and the endogenous opioid peptides. Johnson MW, et al. **Prog Cardiovasc Dis** 1985 May-Jun;27(6):435-50 (236 ref.)

Morphine tolerance as habituation. Baker TB, et al. **Psychol Rev** 1985 Jan;92(1):78-108

Morphine inhibits cortisol and stimulates prolactin secretion in man. Zis AP, et al. **Psychoneuroendocrinology** 1984; 9(4):423-7

Effects of morphine and neuroleptics on wet-dog shaking behavior elicited by hippocampal stimulation in rats. Araki H, et al. **Psychopharmacology (Berlin)** 1985;85(3):301-5

The effects of proglumide on morphine induced motility changes. Ben-Horin N, et al. **Psychopharmacology (Berlin)** 1984;84(4):541-3

Conditioned place preference: an evaluation of morphine's positive reinforcing properties. Blander A, et al. **Psychopharmacology (Berlin)** 1984;84(1):124-7

Effects of morphine, naltrexone, and dextrorphan in untreated and morphine-treated pigeons. France CP, et al. **Psychopharmacology (Berlin)** 1985;85(3):377-82

An assessment of the spontaneous activity of rats administered morphine, phencyclidine, or nicotine using automated and observational methods. Iwamoto ET. **Psychopharmacology (Berlin)** 1984;84(3):374-82

Effects of d-amphetamine and morphine on delayed discrimination: signal detection analysis and assessment of response repetition in the performance deficits. Koek W, et al. **Psychopharmacology (Berlin)** 1984;83(4):346-50

The effects of morphine and scopolamine on auditory discrimination in squirrel monkeys. Milar KS, et al. **Psychopharmacology (Berlin)** 1985;85(2):148-50

Genetic analysis of the effects of morphine on plasma cyclic nucleotides and locomotor activity in male mice. Muraki T, et al. **Psychopharmacology (Berlin)** 1985;85(2):162-6

The discriminative stimulus properties and detection thresholds of intracranial self-stimulation: effects of d-amphetamine, morphine, and haloperidol. Schaefer GJ, et al. **Psychopharmacology (Berlin)** 1985;85(3):289-94

Analgesic cross-tolerance between morphine and opioid peptides. Sivam SP, et al. **Psychopharmacology (Berlin)** 1984;84(1):64-5

Development of an opioid-specific action of morphine in modifying recovery of neonatally-damaged noradrenergic fibers in rat brain. Kostrzewa RM, et al. **Res Commun Chem Pathol Pharmacol** 1984 Oct;46(1):3-11

Morphine analgesia potentiated but tolerance not affected by active immunization against cholecystokinin. Faris PL, et al. **Science** 1984 Dec 7;226(4679):1215-7

Separation of morphine analgesia from physical dependence. Ling GS, et al. **Science** 1984 Oct 26;226(4673):462-4

Morphine-induced delay of normal cell death in the avian ciliary ganglion. Meriney SD, et al. **Science** 1985 Jun 21; 228(4706):1451-3

The effects of morphine, naloxone and capsaicin on C-fiber reflex and heat evoked discharge in acute spinal cats. Matsumiya T, et al. **Tokai J Exp Clin Med** 1984 Mar; 9(1):13-20

[Analgesic effect of morphine injected into habenula, nucleus accumbens or amygdala of rabbits] Zhou ZF, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):150-3 (Eng. Abstr.) **(Chi)**

[Effects of the injection of morphine into the head of the caudate nucleus on the activities of neurons of the nucleus raphe magnus in rats] Zhu B, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):228-31 (Eng. Abstr.) **(Chi)**

[Effects of injection of morphine into the head of the caudate nucleus on activities of neurons of the nucleus raphe magnus in rats] Zhu B, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):228-31 (Eng. Abstr.) **(Chi)**

[Morphine-induced respiratory depression and its mechanism] Shen KZ, et al. **Sheng Li Ko Hsueh Chin Chan** 1984 Apr;15(2):162-5 **(Chi)**

[The effect of analgesics and psychopharmaceuticals on myocardial injury] Mitová M, et al. **Cesk Patol** 1984 Nov; 20(4):215-20 (Eng. Abstr.) **(Cze)**

[Differences in the action of enkephalins, beta-endorphin, and morphine on spontaneous rhythmic movements of the isolated rabbit ileum] Beleslin DB, et al. **C R Soc Biol (Paris)** 1984;178(4):392-6 (Eng. Abstr.) **(Fre)**

[Effects of fentanyl and morphine on hemodynamics and metabolism of rat heart after ischemia] Kumazawa T, et al. **Masui** 1985 Apr;34(4):423-8 (Eng. Abstr.) **(Jpn)**

[Effects of NRGC-lesion on the rates of the development of morphine tolerance and dependence in rats] Kishioka S, et al. **Nippon Yakurigaku Zasshi** 1985 Jun;85(6):467-80 (Eng. Abstr.) **(Jpn)**

[Effects of human calcitonin on the response to noxious stimuli and morphine-antinociception] Yamamoto H, et al. **Nippon Yakurigaku Zasshi** 1985 Jan;85(1):33-48 (Eng. Abstr.) **(Jpn)**

[Role of acetylcholine in the development of physical morphine dependence in rats] Kruszewska A, et al. **Acta Pol Pharm** 1984;41(3):381-4 (Eng. Abstr.) **(Pol)**

[Effect of opiates on Ca2+ transport in synaptosomes] Zaĭtsev SV, et al. **Bioorg Khim** 1983 Jun;9(6):849-51 (Eng. Abstr.) **(Rus)**

[Effect of the nitro analog of tetrapeptidamide and morphine on the cerebral blood supply] Mirzoian RS, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):308-10 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the discriminative and analgesic effects of morphine] Patkina NA, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):580-1 (Eng. Abstr.) **(Rus)**

[Effect of opioid peptides and morphine on 3H-dopamine uptake and release in the neostriatum of the rat brain] Godukhin OV, et al. **Dokl Akad Nauk SSSR** 1984; 277(3):742-5 **(Rus)**

[Effect of morphine on the change in the nociceptive and non-nociceptive evoked potentials in the orbitofrontal and secondary somatosensory areas of the cerebral cortex in different functional states] Kukushkin ML, et al. **Farmakol Toksikol** 1984 Nov-Dec;47(6):25-8 (Eng. Abstr.) **(Rus)**

[Effect of morphine on autonomic reflexes induced by stimulation of afferent fibers in the stomach] Itina LV, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):231-7 (Eng. Abstr.) **(Rus)**

[Effect of electroacupuncture and morphine on evoked potentials in the oral and caudal trigeminal nuclei in the cat] Dolgikh VG, et al. **Neirofiziologiia** 1985;17(2):147-52 (Eng. Abstr.) **(Rus)**

POISONING

Morphine toxicity with dilated pupils [letter] Shelly MP, et al. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1071-2

Changes in dendrites in chronic morphine intoxication. Bogolepov NN. **Neurosci Behav Physiol** 1985 May-Jun; 15(3):189-93

[Combined poisoning with caffeine, morphine and ephedrine] Kolobov IuV. **Sud Med Ekspert** 1985 Jan-Mar;28(1):51 **(Rus)**

[Morphine poisoning in advanced age] Duraković Z, et al. **Lijec Vjesn** 1985 Jul;107(7):296-9 (Eng. Abstr.) **(Scr)**

THERAPEUTIC USE

Naloxone and pentazocine given after morphine. Cardan E, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:265-70

Comparative evaluation of ciramadol (WY-15.705), morphine and placebo for treatment of postoperative pain. Van den Abeele G, et al. **Acta Anaesthesiol Belg** 1985 Jun; 36(2):97-110

Differential effects of epidural morphine in the treatment of cancer-related pain. Arnér S, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):32-6

A comparison of morphine and buprenorphine for analgesia after abdominal surgery. Bradley JP. **Anaesth Intensive Care** 1984 Nov;12(4):303-10

Management of fifty cases of chest injury with a regimen of epidural bupivacaine and morphine. Rankin AP, et al. **Anaesth Intensive Care** 1984 Nov;12(4):311-4

Buprenorphine versus morphine. A comparison of intra-operative and postoperative analgesia. Green DW, et al. **Anaesthesia** 1985 Apr;40(4):371-5

Influence of meptazinol on metabolic and hormonal responses following major surgery. A comparison with morphine. Kay NH, et al. **Anaesthesia** 1985 Mar;40(3):223-8

Postoperative pain relief for circumcision in children: comparison among morphine, nerve block, and topical analgesia. Tree-Trakarn T, et al. **Anesthesiology** 1985 Apr; 62(4):519-22

Prolonged release extradural morphine. Howard EC, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):8-10

Extradural droperidol potentiates extradural opioids [letter] Bach V, et al. **Br J Anaesth** 1985 Feb;57(2):238

Comparison of infusions of morphine and lysine acetyl salicylate for the relief of pain after surgery. Cashman JN, et al. **Br J Anaesth** 1985 Mar;57(3):255-8

Effects of the extradural administration of morphine or bupivacaine, on the metabolic response to upper abdominal surgery. Håkanson E, et al. **Br J Anaesth** 1985 Apr; 57(4):394-9

Effects of the extradural administration of local anaesthetic agents and morphine on the urinary excretion of cortisol, catecholamines and nitrogen following abdominal surgery. Hjortsø NC, et al. **Br J Anaesth** 1985 Apr;57(4):400-6

Comparison of infusions of morphine and lysine acetyl salicylate for the relief of pain following thoracic surgery. Jones RM, et al. **Br J Anaesth** 1985 Mar;57(3):259-63

Effect of postoperative extradural morphine on ADH secretion. Korinek AM, et al. **Br J Anaesth** 1985 Apr; 57(4):407-11

Postoperative pain and pulmonary complications: comparison of three analgesic regimens. Cuschieri RJ, et al. **Br J Surg** 1985 Jun;72(6):495-8

Can tolerance to morphine be induced in arthritic rats? Kayser V, et al. **Brain Res** 1985 May 20;334(2):335-8

Studies on pain. Effects of morphine on a spinal nociceptive flexion reflex and related pain sensation in man. Willer JC. **Brain Res** 1985 Apr 1;331(1):105-14

The graded and quantal nature of opioid analgesia in the rat tailflick assay. Yoburn BC, et al. **Brain Res** 1985 Apr 8;331(2):327-36

Sublingual morphine sulfate in chronic pain management [letter] Hirsh JD. **Clin Pharm** 1984 Nov-Dec;3(6):585-6

Crossover and noncrossover designs in four-point parallel line analgesic assays. James KE, et al. **Clin Pharmacol Ther** 1985 Mar;37(3):242-52

Intramuscular meptazinol and morphine in postoperative pain. Kaiko RF, et al. **Clin Pharmacol Ther** 1985 May;37(5):589-96

Reassessment of verbal and visual analog ratings in analgesic studies. Littman GS, et al. **Clin Pharmacol Ther** 1985 Jul;38(1):16-23

Morphine infusion after pediatric cardiac surgery. Lynn AM, et al. **Crit Care Med** 1984 Oct;12(10):863-6

Epidural morphine as postoperative analgesic following cesarean section under epidural analgesia. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Jan;23(1):43-4

Epidural morphine for post-operative analgesia: experience with ten cases. Cahill J, et al. **Ir J Med Sci** 1984 Jul;153(7):247-9

Epidural narcotic analgesia. Hallworth RE Jr. **J Am Osteopath Assoc** 1984 Sep;84(1):47-51

A comparison of buprenorphine and morphine for immediate postoperative pain relief in Thai patients. Pausawasdi S, et al. **J Med Assoc Thai** 1984 May;67(5):284-9

Use of intrathecal morphine for postoperative pain relief following lumbar spine surgery. O'Neill P, et al. **J Neurosurg** 1985 Sep;63(3):413-6

A double-blind comparison of dezocine and morphine in patients with acute renal and ureteral colic. Warren MM, et al. **J Urol** 1985 Sep;134(3):457-9

Effect of epidural morphine on urinary catecholamine excretion during postoperative period. Yasuda S, et al. **Keio J Med** 1985 Mar;34(1):25-9

Morphine and palliative care [letter] Gliksman MD. **Med J Aust** 1985 Apr 15;142(8):489

Oral fenoprofen compared to intramuscular morphine and oral aspirin in cancer patients with postoperative pain. Kaiko RF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:205-11

Limited involvement of central noradrenergic pathways in morphine-induced antinociception. Berge OG, et al. **Neuropharmacology** 1984 Oct;23(10):1179-85

Control of spasticity by implantable continuous flow morphine pump. Erickson DL, et al. **Neurosurgery** 1985 Feb;16(2):215-7

Intraventricular morphine in paraneoplastic painful syndrome of the cervicofacial region: experience in thirty-eight cases. Lenzi A, et al. **Neurosurgery** 1985 Jul;17(1):6-11

Intrathecal morphine for intractable pain secondary to cancer of pelvic organs. Wang JK. **Pain** 1985 Jan;21(1):99-102

[Analgesia and adverse effects of nalbuphine (Nubain) in comparison with morphine following hysterectomy] Alon E, et al. **Anaesthesist** 1984 Aug;33(8):360-2 (Eng. Abstr.) **(Ger)**

[Continuous, long-term peridural morphine analgesia in an ambulatory cancer patients] Bause H, et al. **Reg Anaesth** 1984 Jul;7(3):86-8 (Eng. Abstr.) **(Ger)**

[2 years experience with periodic administration of intrathecal morphine to a patient with tumor pain] Fiume D, et al. **Minerva Anestesiol** 1984 Dec;50(12):663-7 (Eng. Abstr.) **(Ita)**

[Comparative study of buprenorphine and morphine for pain control in the immediate postoperative period by peridural administration] Sciandra G, et al. **Minerva Anestesiol** 1984 Dec;50(12):607-14 (Eng. Abstr.) **(Ita)**

[Epidural administration of morphine-droperidol mixture for postoperative analgesia] Ochi G, et al. **Masui** 1985 Mar;34(3):330-4 (Eng. Abstr.) **(Jpn)**

TOXICITY

Withdrawal from morphine generalizes to a pentylenetetrazol stimulus. Emmett-Oglesby MW, et al. **Neuropeptides** 1984 Dec;5(1-3):37-40

Akinesia after locally applied morphine near the nucleus raphe pontis of the rat. Broekkamp CL, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):313-8

URINE

An original 'street test' for urine screening for morphine and its evaluation. Henneberg M, et al. **Alcohol Alcohol** 1984;19(4):311-7

Morphine levels in urine subsequent to poppy seed consumption. Fritschi G, et al. **Forensic Sci Int** 1985 Feb;27(2):111-7

MORPHINE DEPENDENCE

Effect of cholinergic agonists and antagonists on morphine withdrawal induced aversion to saccharin drinking in rats. Pillai NP, et al. **Indian J Exp Biol** 1984 Feb;22(2):113-4

Intra-articular drug abuse. Case report. Kiburz D. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1469

Evidence for the dissociation of morphine analgesia, tolerance and dependence. Kaneto H, et al. **J Pharm Pharmacol** 1985 Jul;37(7):507-8

The opiate quasiwithdrawal syndrome in rhesus monkeys: comparison of naloxone-precipitated withdrawal to effects of cholinergic agents. Katz JL, et al. **Psychopharmacology (Berlin)** 1984;84(1):12-5

[Neomorphinism] Kříž J, et al. **Cesk Psychiatr** 1984 Jun;80(3):174-9 (Eng. Abstr.) **(Cze)**

[Comparison of three methods of inducing physical dependence to morphine in rats using short-term medication] Suzuki T, et al. **Yakubutsu Seishin Kodo** 1984 Sep;4(2):149-56 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Pentazocine-tripelennamine ('T's and Blues') substitution studies in morphine-dependent rodents. Tagashira E, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):97-101

ENZYMOLOGY

Changes in succinic dehydrogenase activity in the central nervous system of mice during morphine dependence development, withdrawal and naloxone treatment. Sood PP, et al. **Clin Physiol Biochem** 1985;3(4):193-8

ETIOLOGY

Characterization of prototypical opioid antagonists, agonist-antagonists, and agonists in the morphine-dependent rhesus monkey. Aceto MD. **Neuropeptides** 1984 Dec;5(1-3):15-8

The suppression of deprivation and antagonist-induced withdrawal in morphine-dependent rhesus monkeys. Gmerek DE. **Neuropeptides** 1984 Dec;5(1-3):19-22

Physical dependence induced by opiate partial agonists in the rat. McCarthy PS, et al. **Neuropeptides** 1984 Dec;5(1-3):11-4

[Role of acetylcholine in the development of physical morphine dependence in rats] Kruszewska A, et al. **Acta Pol Pharm** 1984;41(3):381-4 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Cynomolgus monkeys and morphine tolerance and dependence. Aceto MD, et al. **Drug Alcohol Depend** 1985 May;15(1-2):15-8

HISTORY

Notes on Dr. William S. Halsted. Colp R Jr. **Bull NY Acad Med** 1984 Nov;60(9):876-87

IMMUNOLOGY

Cyclosporine alters opiate withdrawal in rodents. Dafny N, et al. **Life Sci** 1985 May 6;36(18):1721-6

METABOLISM

Striatal dopamine receptor function in morphine-tolerant dependent rats: influence of hypothalamic peptides. Bhargava HN. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:320-6

Morphine abstinence syndrome: cholinergic mechanisms in the ventral periaqueductal gray of the dog. Sharpe LG, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:143-9

Brain glycoconjugates in alcohol and narcotic research. Shetlar MR. **Neurobehav Toxicol Teratol** 1985 Mar-Apr;7(2):113-8

The binding of 3H-quinuclidinyl benzilate to cholinergic muscarinic receptors in rat brain region following chronic treatment with morphine and during abstinence. Das S, et al. **Neuropeptides** 1984 Dec;5(1-3):45-8

Changes occur in central adrenoreceptor function following long-term morphine treatment and during morphine withdrawal. Moises HC, et al. **Neuropeptides** 1984 Dec;5(1-3):29-32

Tolerance and withdrawal are associated with ligand dependent receptor regulation in vitro and in vivo. Snell CR, et al. **Neuropeptides** 1984 Dec;5(1-3):23-6

PHYSIOPATHOLOGY

Meptazinol activity on morphine-naive and morphine-dependent guinea-pig ileum: correlation with in vivo studies. Ben-Sreti MM, et al. **Alcohol Alcohol** 1984;19(4):333-8

Morphine effects on spontaneous, nociceptive, antinociceptive and sensory evoked responses of parafasciculus thalami units in morphine naive and morphine dependent rats. Dafny N, et al. **Brain Res** 1984 Dec 3;323(1):11-20

Effects of (-)-N6-(R-phenylisopropyl)-adenosine (PIA) and caffeine on nociception and morphine-induced analgesia, tolerance and dependence in mice. Ahlijanian MK, et al. **Eur J Pharmacol** 1985 Jun 7;112(2):171-9

Dose-dependent effects of prolyl-leucyl-glycinamide on morphine-induced analgesia, tolerance and dependence. Contreras PC, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):13-22

Ocular instillation of naloxone increases intraocular pressure in morphine-addicted patients: a possible test for detecting misuse of morphine. Drago F, et al. **Experientia** 1985 Feb 15;41(2):266-7

Colonic secretion mediated by prostaglandin E2 and 5-hydroxytryptamine may contribute to diarrhea due to morphine withdrawal in the rat. Beubler E, et al. **Gastroenterology** 1984 Nov;87(5):1042-8

Three different types of alpha-interferons alter naloxone-induced abstinence in morphine-addicted rats. Dafny N, et al. **Immunopharmacology** 1985 Feb;9(1):13-7

Effects of morphine on: spontaneous, dorsal raphe, spinal tract of trigeminal nucleus, medial lemniscus and reticular lateral magnocellular evoked responses of hypothalamic units, in naive and morphine physically dependent rats. Prieto-Gomez B, et al. **Int J Neurosci** 1984 Apr;23(2):131-45

Role of spinal mu opioid receptors in the development of morphine tolerance and dependence. DeLander GE, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):91-6

Discriminative stimulus effects of morphine withdrawal in the dependent rat: suppression by opiate and nonopiate drugs. Holtzman SG. **J Pharmacol Exp Ther** 1985 Apr;233(1):80-6

An analysis of precipitated withdrawal in rats acutely dependent on morphine. Ramabadran K. **Jpn J Pharmacol** 1985 Apr;37(4):307-16

A comparison of the inhibitory effects of clonidine and guanfacine on the behavioral and autonomic components of morphine withdrawal in rats. Buccafusco JJ, et al. **Life Sci** 1984 Sep 24;35(13):1401-8

Inhibition by adenosine analogs of opiate withdrawal effects. Tucker JF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:85-91

Development of tolerance to the muscular rigidity produced by morphine and replacement by stereotypic behaviour. Themann P, et al. **Neuropeptides** 1984 Dec;5(1-3):27-8

In vivo evidence for the selectivity of ICI 154129 for the delta-opioid receptor. Priestley T, et al. **Neuropharmacology** 1985 Feb;24(2):107-10

Indomethacin facilitates acute tolerance to and dependence upon morphine as measured by changes in fixed-ratio behavior and rectal temperature in rats. Nielsen JA, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):921-31

Central administration of prostaglandin E2 facilitates while F2 alpha attenuates acute dependence upon morphine rats. Nielsen JA, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):933-9

Gastric secretion and mucosal lesions in morphine-dependent rats. Ho MM, et al. **Pharmacology** 1985;30(6):301-7

Opioid receptor reserve in normal and morphine-tolerant guinea pig ileum myenteric plexus. Chavkin C, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7253-7

PSYCHOLOGY

Early housing experience modifies morphine self-administration and physical dependence in adult rats. Marks-Kaufman R, et al. **Addict Behav** 1984;9(3):235-43

Morphine and clonidine oral self-administration: a study in morphine dependent or abstinent rats. Gaiardi M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985;9(2):143-51

Behavioral effects of naloxone and nalorphine preceding and following morphine maintenance in the rhesus monkey. Bergman J, et al. **Psychopharmacology (Berlin)** 1985;86(3):324-7

REHABILITATION

Seven year follow-up of 300 young drug abusers. Haastrup S, et al. **Acta Psychiatr Scand** 1984 Nov;70(5):503-9

THERAPY

[Treatment of narcotic dependence by acupuncture] Frydrychowski A, et al. **Psychiatr Pol** 1984 May-Jun;18(3):251-5 (Eng. Abstr.) **(Pol)**

MORPHINE DERIVATIVES

[Intercostal blockade with morphine chloride in multiple rib fractures] Sanchez Garcia R, et al. **Ugeskr Laeger** 1984 Apr 30;146(18):1364-5 (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

Inhibition by adenosine analogs of opiate withdrawal effects. Tucker JF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:85-91

ANALYSIS

Determination of pseudomorphine in morphine injection by high-performance liquid chromatography. Lee MG. **J Chromatogr** 1984 Nov 16;312:473-5

Analytical studies on illicit heroin. I. The occurrence of O3-monoacetylmorphine. Huizer H. **J Forensic Sci** 1983 Jan;28(1):32-9

[Determination of ethylmorphine chloride, pilocarpine chloride and tetracaine chloride in drops and ointments for the eye] Banović V, et al. **Vojnosanit Pregl** 1985 May-Jun;42(3):202-5 (Eng. Abstr.) **(Ser)**

BIOSYNTHESIS

Glucuronidation of morphine and six beta 2-sympathomimetics in isolated rat intestinal epithelial cells. Koster AS, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):232-8

CHEMICAL SYNTHESIS

Analgesics of the 6,14-ethenomorphinan type. 6-deoxy-7 alpha-orvinols and 6-deoxy-8 alpha-orvinols. Knipmeyer LL, et al. **J Med Chem** 1985 Apr;28(4):461-6

Synthesis and determination of 10-oxomorphine, a decomposition product of morphine. Proksa B. **Pharmazie** 1984 Oct;39(10):687-8

DIAGNOSTIC USE

[Possibilities of objective characterization of the clinical picture and therapeutic effects in neuroses using the iontophoretic autonomic test with adrenaline and dionine]

Buzek B. **Cesk Psychiatr** 1984 Oct;80(5):308–17 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Morphine–6–glucuronide, an important factor in interpreting morphine radioimmunoassays [letter] Aherne GW, et al. **Lancet** 1985 Jul 27;2(8448):210–1

METABOLISM

The influence of cyclobarbital and diazepam on drug metabolism in vitro and their binding to cytochrome P–450. Wierzba W, et al. **Biomed Biochim Acta** 1984; 43(12):1425–30

Morphine–6–glucuronide, an important metabolite [letter] Joel SP, et al. **Lancet** 1985 May 11;1(8437):1099–100

Different changes by acute electric footshock of opioid agonist and antagonist receptors in rat brain. Kameyama T, et al. **Neurosci Lett** 1984 Aug 31;49(3):307–12

PHARMACODYNAMICS

Effect of pertussis toxin on normorphine–dependence and on acute inhibitory effects of normorphine and clonidine in guinea–pig isolated ileum. Tucker JF. **Br J Pharmacol** 1984 Oct;83(2):326–8

The inhibition of bacterial bioluminescence by xenobiotics. Danilov VS, et al. **Xenobiotica** 1985 Apr;15(4):271–6

TOXICITY

Relative cataleptic potency of narcotic analgesics, including 3,6–dibutanoylmorphine and 6–monoacetylmorphine. Tasker RA, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):747–50

URINE

Detection of O6–monoacetylmorphine in urine samples by GC/MS as evidence for heroin use. Fehn J, et al. **J Anal Toxicol** 1985 May–Jun;9(3):134–8

MORPHINE RECEPTORS see **RECEPTORS, ENDORPHIN**

MORPHOCYCLINE see under **TETRACYCLINES**

MORPHOGENESIS

Cell adhesion and the molecular processes of morphogenesis. Edelman GM. **Annu Rev Biochem** 1985;54:135–69 (91 ref.)

Problems in the development of pattern with special reference to positional information in limb morphogenesis. Wolpert L. **Biomed Biochim Acta** 1985;44(6):987–92

Intestine–like remodeling of adult mouse glandular stomach by implanting of fetal intestinal mesenchyme. Sakagami Y, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5845–9

Somite formation and its relationship to metameric patterning of the mesoderm. Meier S. **Cell Differ** 1984 Oct; 14(4):235–43 (35 ref.)

Basement membranes and cell migration. **Ciba Found Symp** 1984;108:213–26

Remodelling of the basement membrane: morphogenesis and maturation. Bernfield M, et al. **Ciba Found Symp** 1984; 108:179–96

Experimental evidence for a proteinaceous presegmental wave required for morphogenesis of axolotl mesoderm. Gillespie LL, et al. **Dev Biol** 1985 Jan;107(1):220–6

Alteration of the anterior–posterior embryonic axis: the pattern of gastrulation in macrocephalic frog embryos. Kao KR, et al. **Dev Biol** 1985 Jan;107(1):239–51

Effect of a notochordal implant on the early morphogenesis of the neural tube and neuroblasts: histometrical and histological results. van Straaten HW, et al. **Dev Biol** 1985 Jul;110(1):247–54

Errors of morphogenesis and inborn errors of immunity 20 years after the discovery of DiGeorge anomaly. Burgio GR, et al. **Eur J Pediatr** 1985 May;144(1):9–12

Cell surface morphology of the morphogenetically active system of the embryo after treatment with tunicamycin, a glycosylation blocking drug. Nedvídek J, et al. **Histochem J** 1985 May;17(5):529–31

14th annual UCLA symposia. March 9–April 4, 1985. Abstracts. **J Cell Biochem [Suppl]** 1985;9B:1–278

14th annual UCLA symposium. Abstracts: Molecular determinants of animal form. **J Cell Biochem [Suppl]** 1985; 9B:253–78

Extracellular compartments in matrix morphogenesis: collagen fibril, bundle, and lamellar formation by corneal fibroblasts. Birk DE, et al. **J Cell Biol** 1984 Dec; 99(6):2024–33

Programmes for development. Genes, chromosomes and computer models in development biology. **J Embryol Exp Morphol** 1984 Nov;83 Suppl:1–369

Genes, chromosomes and computer models in developmental biology: An introduction to programmes for development. MacGregor HC, et al. **J Embryol Exp Morphol** 1984 Nov; 83 Suppl:1–6

Models for positional signalling, the threefold subdivision of segments and the pigmentation pattern of molluscs. Meinhardt H. **J Embryol Exp Morphol** 1984 Nov;83 Suppl:289–311

The role of convection in the standard fluid–mechanical model for morphogenesis. Smith DA. **J Math Biol** 1984; 21(2):191–203

Further thoughts on directional cell movement during morphogenesis. Trinkaus JP. **J Neurosci Res** 1985; 13(1–2):1–19 (102 ref.)

Morphogen prepatterns during mitosis and cytokinesis in flattened cells: three dimensional Turing structures of reaction–diffusion systems in cylindrical coordinates. Hunding A. **J Theor Biol** 1985 Jun 21;114(4):571–88

Parasegments and compartments in the Drosophila embryo. Martinez–Arias A, et al. **Nature** 1985 Feb 21–27; 313(6004):639–42

Misery of functionalism. Biological function: a misleading concept. Lambert D, et al. **Riv Biol** 1984 Winter; 77(4):477–502 **(Eng, Ita)**

A structuralist approach to morphology. Webster G, et al. **Riv Biol** 1984 Winter;77(4):503–32 **(Eng, Ita)**

[In search of morphogenes] Robert JM. **J Genet Hum** 1985 Jan;33(1):1–11 (Eng. Abstr.) **(Fre)**

[The morphogenetic potential of tumor cells] Erenpreĭs IaG. **Eksp Onkol** 1984;6(3):10–4 (68 ref.) (Eng. Abstr.) **(Rus)**

[Model of epithelial morphogenesis based on elastic forces and cell contact polarization] Belintsev BN, et al. **Ontogenez** 1985 Jan–Feb;16(1):5–14 (Eng. Abstr.) **(Rus)**

[Does DNA alone determine the development of the organism? (the information aspect of the problem)] Neifakh AA. **Ontogenez** 1985 Jan–Feb;16(1):15–25 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Morphogens: experimental illusion or reality?] Mikhaĭlov AT. **Ontogenez** 1984 Nov–Dec;15(6):563–84 (130 ref.) (Eng. Abstr.) **(Rus)**

MORPHOLINES

Clinical evaluation of a topical anaesthetic preparation (pramoxine hydrochloride and hydrocortisone) in post–episiotomy pain relief. Hanretty KP, et al. **Br J Clin Pract** 1984 Nov–Dec;38(11–12):421–2

Investigation on the pharmaceutical availability of monoethanolamine, diethanolamine and morpholine from hydrophilic gels. Zaba A, et al. **Pharmazie** 1984 Nov; 39(11):770–1

ADVERSE EFFECTS

Does viloxazine have epileptogenic properties? Edwards JG, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):960–4

BLOOD

One–step extraction procedure for gas chromatographic determination of viloxazine as its acetyl derivative in human plasma. Groppi A, et al. **J Chromatogr** 1985 Jan 11; 337(1):142–5

Determination of indeloxazine in plasma by liquid chromatography and gas chromatography–mass spectrometry. Kamimura H, et al. **J Pharm Sci** 1985 May; 74(5):559–61

A sensitive gas chromatographic assay for the determination of serum viloxazine concentration using a nitrogen–phosphorus–selective detector. Fazio A, et al. **Ther Drug Monit** 1984;6(4):484–8

METABOLISM

Tissue distribution and excretion in urine, feces and respiratory CO2 of [14C]–ciclosidomine in beagle dogs. Matteo MR, et al. **Arzneimittelforsch** 1985;35(1A):329–32

PHARMACODYNAMICS

The effects of cyclosidimine, a peripheral vasodilator drug, on blood pressure and heart rate in healthy subjects. Shanks RG, et al. **Br J Clin Pharmacol** 1984 Aug;18(2):232–5

Protective effect of 4–(3,7,11,15–tetramethyl–6,10,14–hexadecatrienoyl)morph on liver injury induced by hepatotoxins in rats. Fujiwara K, et al. **Hepatology** 1984 Nov–Dec;4(6):1134–6

Effects of the antitussive fominoben (PB89) on hypoxia in chronic obstructive lung disease: comparison with dextromethorphan using a double–blind method. Sasaki T, et al. **J Int Med Res** 1985;13(2):96–101

Viloxazine and anticonvulsants [letter] Trimble MR. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):193–4

POISONING

[Status epilepticus following voluntary poisoning with viloxazine] Honnart D, et al. **Cah Anesthesiol** 1982 Dec; 30(8):1101–3 **(Fre)**

THERAPEUTIC USE

Evaluation of proctofoam as a post–operative analgesic in patients undergoing haemorrhoidectomy. Yadav S, et al. **Br J Clin Pract** 1984 Nov–Dec;38(11–12):414–5

A clinical and pharmacological study of the antidepressant activity of viloxazine in adult and elderly patients. Tosca P, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 May; 23(5):270–3

Synthesis and antimetastatic properties of stereoisomeric tricyclic bis(dioxopiperazines) in the Lewis lung carcinoma model. Witiak DT, et al. **J Med Chem** 1985 Sep; 28(9):1228–34

60Co radiation induced hazards and use of S–anisyl formamidino–4(N–methyl isothioamide) morpholine dihydrochloride as chemical radioprotector. Chaturvedi PK, et al. **J Nucl Med Allied Sci** 1984 Jan–Mar;28(1):1–8

Antifungal activity of four antifungal drugs in the cutaneous retention time test. Polak A. **Sabouraudia** 1984;22(6):501–3

Topical pramoxine and hydrocortisone foam versus placebo in relief of post partum episiotomy symptoms and wound healing. Greer IA, et al. **Scott Med J** 1984 Apr;29(2):104–6

[Treatment of schizophrenia without symptoms with viloxazine (letter)] Kornhuber HH, et al. **Dtsch Med Wochenschr** 1985 Apr 26;110(17):698 **(Ger)**

[Treatment of depressive conditions with viloxazine by the general practitioner] Haehn KD. **Fortschr Med** 1985 Apr 18;103(15):408–12 (Eng. Abstr.) **(Ger)**

[Viloxazine in the treatment of depression in the aged. Double–blind placebo study] De Leo D, et al. **Minerva Psichiatr** 1984 Apr–Jun;25(2):127–30 (Eng. Abstr.) **(Ita)**

[Pharmacological studies on sufoxazine (Y–8894). (I) Effects on experimental amnesia in mice] Anami K, et al. **Nippon Yakurigaku Zasshi** 1985 Feb;85(2):71–7 (Eng. Abstr.) **(Jpn)**

[Flumidine in the treatment of laryngeal papillomatosis in children] Sarău M, et al. **Rev Chir [Otorinolaringol]** 1985 Apr–Jun;30(2):93–8 (Eng. Abstr.) **(Rum)**

TOXICITY

[Mutagenicity of food additive morpholine (fatty acid salt)] Ohnishi T. **Nippon Eiseigaku Zasshi** 1984 Oct;39(4):729–48 (Eng. Abstr.) **(Jpn)**

MORQUIO DISEASE see **MUCOPOLYSACCHARIDOSIS 4**

MORTALITY

Familial factors in mortality with control of epidemiological covariables. Swedish twins born 1886–1925. Hrubec Z, et al. **Acta Genet Med Gemellol (Roma)** 1984;33(3):403–12

Males born by cesarean section examined 18 years after delivery. Nilsen ST, et al. **Acta Obstet Gynecol Scand** 1985; 64(3):237–40

Mortality and high haematrocrit in the very aged. Heikinheimo RJ, et al. **Age Ageing** 1985 May;14(3):159–62

The specialty of physicians in relation to longevity and mortality, 1978–1979. Mostafa MS, et al. **Ala Med** 1985 May;54(11):13–8, 23

The influence of alcohol abuse as a hidden contributor to mortality. Van Natta P, et al. **Alcohol** 1985 May–Jun; 2(3):535–9

Re: Mortality of widowed vs. married [letter] Brenner JL, et al. **Am J Epidemiol** 1985 Oct;122(4):721–3

Mortality among white and nonwhite farmers in North Carolina, 1976–1978. Delzell E, et al. **Am J Epidemiol** 1985 Mar;121(3):391–402

Achieved status as a risk factor in epidemiology. Graham S, et al. **Am J Epidemiol** 1985 Oct;122(4):553–8 (19 ref.)

Problems in the use of dead controls in case–control studies. I. General results. McLaughlin JK, et al. **Am J Epidemiol** 1985 Jan;121(1):131–9

Re: 'Test of the National Death Index' [letter] Nelson NA, et al. **Am J Epidemiol** 1985 Apr;121(4):626

Mortality among employees engaged in chemical manufacturing and related activities. Ott MG, et al. **Am J Epidemiol** 1985 Aug;122(2):311–22

The epidemiologic basis for the notification of subjects of cohort studies. Schulte PA. **Am J Epidemiol** 1985 Mar; 121(3):351–61 (42 ref.)

Another shortcut method for calculating the confidence interval of a Poisson variable (or of a standardized mortality ratio) [letter] Ury HK, et al. **Am J Epidemiol** 1985 Jul; 122(1):197–8

On the rediscovery of a distinction. Vandenbroucke JP. **Am J Epidemiol** 1985 May;121(5):627–8

Forensic aspects of fraternity hazing. Leslie J, et al. **Am J Forensic Med Pathol** 1985 Mar;6(1):53–67 (43 ref.)

Mortality among a sample of chemical company employees. Bond GG, et al. **Am J Ind Med** 1985;7(2):109–21

Mortality of a municipal worker cohort: I. Males. Vena JE, et al. **Am J Ind Med** 1985;7(3):241–52

Demography of the Juang tribal population of Orissa. Ray AK, et al. **Am J Phys Anthropol** 1984 Dec;65(4):387–93

The California Automated Mortality Linkage System (CAMLIS). Arellano MG, et al. **Am J Public Health** 1984 Dec;74(12):1324–30

Mortality among laundry and dry cleaning workers in Oklahoma. Duh RW, et al. **Am J Public Health** 1984 Nov; 74(11):1278–80

Mortality risk factors in the elderly [letter] Kripke DF, et al. **Am J Public Health** 1985 Jul;75(7):788–9

Mortality patterns of New York State Vietnam Veterans. Lawrence CE, et al. **Am J Public Health** 1985 Mar; 75(3):277–9

Motorcycle headlight–use laws: a contrasting view. Muller A. **Am J Public Health** 1985 May;75(5):547–9

Pursuing longevity: delay vs elimination of degenerative diseases. Olshansky SJ. **Am J Public Health** 1985 Jul; 75(7):754–7

Auto safety regulation variable: a reply to Robertson [letter] Orr L. **Am J Public Health** 1985 Jul;75(7):789–90

The effectiveness of automobile safety regulation: evidence from the FARS data. Orr LD. **Am J Public Health** 1984 Dec;74(12):1384–9

Automobile safety regulation: rebuttal and new data. Robertson LS. **Am J Public Health** 1984 Dec;74(12):1390–4

Giant steps and baby steps: toward child health. Starfield B. **Am J Public Health** 1985 Jun;75(6):599–604

Mortality patterns in the modernized Pacific Island nation of Nauru. Taylor R, et al. **Am J Public Health** 1985 Feb; 75(2):149–55

Causes of death among female chemists. Walrath J, et al. **Am J Public Health** 1985 Aug;75(8):883–5

Motorcycle headlight–use laws and fatal motorcycle crashes in the US, 1975–83. Zador PL. **Am J Public Health** 1985 May;75(5):543–6

Nitrogen washout and mortality. Menkes HA, et al. **Am Rev Respir Dis** 1985 Jul;132(1):115–9

Reduction of child hospital mortality in Mozambique through a nurse training programme. Pisacane A. **Ann Trop Paediatr** 1985 Mar;5(1):7–10

Non-natural deaths in two health districts. Keeling JW, et al. **Arch Dis Child** 1985 Jun;60(6):525–9

The role of air pollution and other factors in local variations in general mortality and cancer mortality. Jacobson BS. **Arch Environ Health** 1984 Jul–Aug;39(4):306–13

Mortality and community mental health. The Alachua County, Florida, mortality study. Narkush RE, et al. **Arch Gen Psychiatry** 1977 Dec;34(12):1393–401

Outcome and cost of prolonged stay in the surgical intensive care unit. Becker GJ, et al. **Arch Surg** 1984 Nov; 119(11):1338–42

Mortality and morbidity in adolescence. Jeanneret O. **Aust Fam Physician** 1985 Jun;14(6):562–5, 569–75

Deaths in a general practice. Rose A. **Aust Fam Physician** 1984 Nov;13(11):828–31

Death in sport. Sperryn PN. **Aust Fam Physician** 1985 Mar; 14(3):219–20

Commercial diving fatalities. Bradley ME. **Aviat Space Environ Med** 1984 Aug;55(8):721–4

Efficiencies of experimental designs for an illness–death model. Borgan O, et al. **Biometrics** 1984 Sep;40(3):627–38

A two–sample censored–data rank test for acceleration. Breslow NE, et al. **Biometrics** 1984 Dec;40(4):1049–62

Using the correct standard errors in comparing subpopulation survival rates in marked populations. Geramita JM, et al. **Biometrics** 1985 Mar;41(1):281–5

On the problem of measuring the distance between distribution functions: analysis of hospitalization versus mortality. Laake P, et al. **Biometrics** 1985 Jun;41(2):515–23

Confidence intervals for the survival function using Cox's proportional–hazard model with covariates. Link CL. **Biometrics** 1984 Sep;40(3):601–9

A comparison of several methods of estimating the survival function when there is extreme right censoring. Moeschberger ML, et al. **Biometrics** 1985 Mar;41(1):253–9

Nonparametric estimation of the survival function when cause of death is uncertain. Racine–Poon AH, et al. **Biometrics** 1984 Dec;40(4):1151–8

A comparison of reflected versus test–based confidence intervals for the median survival time, based on censored data. Slud EV, et al. **Biometrics** 1984 Sep;40(3):587–600

Mortality of a lithium–treated population. Norton B, et al. **Br J Psychiatry** 1984 Sep;145:277–82

Approaches to studying the effect of socio–economic circumstances on geographic differences in mortality in England and Wales. Fox AJ, et al. **Br Med Bull** 1984 Oct; 40(4):309–14 (17 ref.)

Patterns of mortality among migrants to England and Wales from the Indian subcontinent. Balarajan R, et al. **Br Med J [Clin Res]** 1984 Nov 3;289(6453):1185–7

On the state of the public ill health: premature mortality in the United Kingdom and Europe. Catford JC, et al. **Br Med J [Clin Res]** 1984 Dec 15;289(6459):1668–70

Total and high density lipoprotein cholesterol in the serum and risk of mortality: evidence of a threshold effect. Goldbourt U, et al. **Br Med J [Clin Res]** 1985 Apr 27; 290(6477):1239–43

Deaths of athletes [editorial] Harries M. **Br Med J [Clin Res]** 1985 Mar 2;290(6469):656–7

Distribution of adipose tissue and risk of cardiovascular disease and death: a 12 year follow up of participants in the population study of women in Gothenburg, Sweden. Lapidus L, et al. **Br Med J [Clin Res]** 1984 Nov 10; 289(6454):1257–61

Are low cholesterol values associated with excess mortality? Salmond CE, et al. **Br Med J [Clin Res]** 1985 Feb 9; 290(6466):422–4

The Fielding H. Garrison lecture. From the old mortality pattern to the new: implications of a radical change from the sixteenth to the twentieth century. Imhof AE. **Bull Hist Med** 1985 Spring;59(1):1–29

The impact of psychotherapists and primary physicians on suicide and other violent deaths in a rural area. Glasser M, et al. **Can J Psychiatry** 1985 Apr;30(3):195–202

Community-based mortality surveillance: the Maniwaki experience investigation of excess mortality in a community. Mao Y, et al. **Can J Public Health** 1984 Nov–Dec;75(6):429–33

Serum sex–hormone binding globulin and mortality risk in postmenopausal women [letter] Lundberg PA, et al. **Clin Chem** 1985 Apr;31(4):654–6

Outcome measures for district and regional health care planners. Charlton JR, et al. **Community Med** 1984 Nov; 6(4):306–15

Weighting of populations for their mortality experience. Pinder DC. **Community Med** 1985 May;7(2):107–15

A computer program package for relative survival analysis. Hakulinen T, et al. **Comput Programs Biomed** 1985; 19(2–3):197–207

Reflections from the dean's office. What about mortality? Massey RU. **Conn Med** 1984 Sep;48(9):615

A method for predicting survival and mortality of ICU patients using objectively derived weights. Lemeshow S, et al. **Crit Care Med** 1985 Jul;13(7):519–25

The effect of piped water on early childhood mortality in urban Brazil, 1970 to 1976. Merrick TW. **Demography** 1985 Feb;22(1):1–24

Robustness of 5qx estimators under nonstationarity. Smith DP. **Demography** 1984 Nov;21(4):613–22

A search for a threshold in the relationship of air pollution to mortality: a reanalysis of data on London winters. Ostro B. **Environ Health Perspect** 1984 Dec;58:397–9

Serum lipid distribution and mortality in Belgium. Kesteloot H, et al. **Eur Heart J** 1984 Oct;5(10):778–83

Lifetime risk of nursing home residency [letter] **Gerontologist** 1984 Oct;24(5):558–9

The natural history of nursing home patients. Lewis MA, et al. **Gerontologist** 1985 Aug;25(4):382–8

Compression of mortality: myth or reality? Myers GC, et al. **Gerontologist** 1984 Aug;24(4):346–53

Recent changes in the U.S. age at death distribution: further observations. Myers GC, et al. **Gerontologist** 1984 Dec; 24(6):572–5

Rate of aging, rate of dying and non–Gompertzian mortality – encore.... Economos AC. **Gerontology** 1985;31(2):106–11

Mortality among workers at the Pantex weapons facility. Acquavella JF, et al. **Health Phys** 1985 Jun;48(6):735–46

Estimating hospital service areas using mortality statistics. Carpenter ES, et al. **Health Serv Res** 1985 Apr;20(1):19–26

Child health status and risk factors. Starfield B, et al. **Health Serv Res** 1985 Feb;19(6 Pt 2):817–86 (119 ref.)

Estimating mortality from two censuses: an application to the Trio of Surinam. Gage TB, et al. **Hum Biol** 1984 Sep; 56(3):489–501

Mortality change in America, 1620–1920. Kunitz SJ. **Hum Biol** 1984 Sep;56(3):559–82

Effects of inbreeding on mortality: a study among three South Indian communities. Reddy PG. **Hum Biol** 1985 Feb; 57(1):47–59

A parametric algorithm for computing model period and cohort human survival functions. Mode CJ, et al. **Int J Biomed Comput** 1984 Sep–Oct;15(5):341–56

Improving data bases for international studies. **Int J Epidemiol** 1984 Sep;13(3):267–8

Regional differences in dietary habits, coronary risk factors and mortality rates in Belgium. An interuniversity study. **Int J Epidemiol** 1984 Sep;13(3):371–2

Major mishaps among mobile offshore drilling units, 1955–1981: time trends and fatalities. Clemmer DI, et al. **Int J Epidemiol** 1985 Mar;14(1):106–12

The 1980 earthquake in Southern Italy––morbidity and mortality. De Bruycker M, et al. **Int J Epidemiol** 1985 Mar; 14(1):113–7

Mortality due to all causes and to cardiovascular diseases among seven race–ethnic populations in Los Angeles County, 1980. Frerichs RR, et al. **Int J Epidemiol** 1984 Sep;13(3):291–8

The relationship of dietary fat and cholesterol to mortality in 10 years: the Honolulu Heart Program. McGee D, et al. **Int J Epidemiol** 1985 Mar;14(1):97–105

Mortality analysis and life table techniques [letter] Newman SC. **Int J Epidemiol** 1985 Mar;14(1):186–8

Using age, period and cohort models to estimate future mortality rates. Osmond C. **Int J Epidemiol** 1985 Mar; 14(1):124–9

Guidelines for regional mortality analysis: an epidemiological approach to health planning. Rosén M, et al. **Int J Epidemiol** 1985 Jun;14(2):293–9

Mortality among New Zealand Maori and non–Maori Mormons. Smith AH, et al. **Int J Epidemiol** 1985 Jun; 14(2):265–71

Late mortality after partial gastrectomy. Stemmermann GN, et al. **Int J Epidemiol** 1984 Sep;13(3):299–303

The Swedish mortality pattern: a basis for health planning? Wall S, et al. **Int J Epidemiol** 1985 Jun;14(2):285–92

Medical care and mortality: racial differences in preventable deaths. Woolhandler S, et al. **Int J Health Serv** 1985; 15(1):1–22

Mortality in a general hospital and urban air pollution. Kelly I, et al. **Ir Med J** 1984 Oct;77(10):322–4

Time trends in childhood accident mortality and hospitalisation rates in Ireland. Kirke PN. **Ir Med J** 1984 Nov;77(11):347–52

Analysis of 178 deaths in a rural practice. O'Meara B. **Ir Med J** 1985 Jan;78(1):19–21

Factors associated with early demise in nursing home residents: a case control study. Lichtenstein MJ, et al. **J Am Geriatr Soc** 1985 May;33(5):315–9

Birth interval, mortality and growth of children in a rural area in Kenya. Boerma JT, et al. **J Biosoc Sci** 1984 Oct; 16(4):475–86

Housing quality and child mortality in the rural Philippines. Johnson NE, et al. **J Biosoc Sci** 1984 Oct;16(4):531–40

Infant and child mortality in Pakistan––some trends and differentials. Sathar ZA. **J Biosoc Sci** 1985 Jul;17(3):351–9

Analysis of demographic data collected in a rural area of Kenya. van Vianen HA, et al. **J Biosoc Sci** 1984 Oct; 16(4):463–73

Abridged life tables for Pakistan based on the 1971 Population Growth Survey. Yusuf F, et al. **J Biosoc Sci** 1985 Jan; 17(1):91–6

Effects of pulmonary function on mortality. Beaty TH, et al. **J Chronic Dis** 1985;38(8):703–10

A comparison of the logistic risk function and the proportional hazards model in prospective epidemiologic studies [letter] Hauck WW. **J Chronic Dis** 1985;38(1):125–6

Consideration of covariates and stratification in sample size determination for survival time studies. Palta M, et al. **J Chronic Dis** 1985;38(9):801–9

The participant effect: mortality in a community–based study compared to vital statistics. Wing S, et al. **J Chronic Dis** 1985;38(2):135–44

Social class mortality differentials: artefact, selection or life circumstances? Fox AJ, et al. **J Epidemiol Community Health** 1985 Mar;39(1):1–8

Social class, ethnic group, and male mortality in New Zealand, 1974–8. Pearce NE, et al. **J Epidemiol Community Health** 1985 Mar;39(1):9–14

The black/white mortality crossover: investigation in a community–based study. Wing S, et al. **J Gerontol** 1985 Jan;40(1):78–84

The specialty of physicians in relation to longevity and mortality. Mostafa MS, et al. **J La State Med Soc** 1985 Jul;137(7):20–6

A mortality study of men exposed to elemental mercury. Cragle DL, et al. **J Occup Med** 1984 Nov;26(11):817–21

A retrospective mortality study of workers in three major U.S. refineries and chemical plants. Part II: Internal comparisons by geographic site, occupation, and smoking history. Hanis NM, et al. **J Occup Med** 1985 May; 27(5):361–9

Mortality of paint and coatings industry workers. A follow–up study. Morgan RW, et al. **J Occup Med** 1985 May;27(5):377–8

Health and the war against Nicaragua, 1981–84. Garfield RM. **J Public Health Policy** 1985 Mar;6(1):116–31

Death certificates in Jerusalem: sources of information about cause of death. Slater PE, et al. **J R Coll Gen Pract** 1984 Nov;34(268):619–20

Leads from the MMWR. Changes in premature mortality––United States, 1982 to 1983. **JAMA** 1985 May 24–31;253(20):2955

A potential use of the National Death Index for postmarketing drug surveillance. Edlavitch SA, et al. **JAMA** 1985 Mar 1;253(9):1292–5

Fatalities in the Peace Corps. A retrospective study: 1962 through 1983. Hargarten SW, et al. **JAMA** 1985 Sep 13; 254(10):1326–9

Weight, smoking, and mortality. Vandenbroucke JP, et al. **JAMA** 1984 Nov 23–30;252(20):2859–60

A mortality study of 11,500 nickel workers. Shannon HS, et al. **JNCI** 1984 Dec;73(6):1251–8

Long–term mortality study of oil refinery workers. IV. Exposure to the lubricating–dewaxing process. Wen CP, et al. **JNCI** 1985 Jan;74(1):11–8

Experience in childhood mortality. Khan MA, et al. **JPMA** 1984 Dec;34(12):365–8

Drugs, doctors and style of life. Tayback M. **JPMA** 1985 Apr;35(4):126–31

Changes in maternal and child mortality rates in three isolated Gambian villages over ten years. Lamb WH, et al. **Lancet** 1984 Oct 20;2(8408):912–4

Holy dread. McCormick JS, et al. **Lancet** 1984 Dec 22; 2(8417–18):1455–6

Unemployment and mortality in the OPCS Longitudinal Study. Moser KA, et al. **Lancet** 1984 Dec 8;2(8415):1324–9

Prospective study of social influences on mortality. The study of men born in 1913 and 1923. Welin L, et al. **Lancet** 1985 Apr 20;1(8434):915–8

Long–term mortality and stroke morbidity after superficial temporal artery–middle cerebral artery bypass operation. Whisnant JP, et al. **Mayo Clin Proc** 1985 Apr;60(4):241–6

Statistical data 1983. Medical Examiner Division, Commonwealth of Virginia. Hufner WB. **Med Leg Bull** 1984 Nov–Dec;33(6):1–15

Contrasts in combat casualty care. Bellamy RF. **Milit Med** 1985 Aug;150(8):405–10

Changes in premature mortality––United States, 1982–1983. **MMWR** 1985 Jan 18;34(2):17–8

Unexplained deaths in a children's hospital. An epidemiologic assessment. Buehler JW, et al. **N Engl J Med** 1985 Jul 25; 313(4):211–6

The limits of medical care [editorial] Haggerty RJ. **N Engl J Med** 1985 Aug 8;313(6):383–4

Sleuthing in hospitals [editorial] Rothman KJ. **N Engl J Med** 1985 Jul 25;313(4):258–60

Racial and socioeconomic disparities in childhood mortality in Boston. Wise PH, et al. **N Engl J Med** 1985 Aug 8; 313(6):360–6

Towards reducing the morbidity and mortality of the elderly bereaved. Essa M, et al. **Nebr Med J** 1984 Aug;69(8):272–4

Serious illness in 204 New Zealand families during a 16 year period. Hall A, et al. **NZ Med J** 1985 Mar 13;98(774):135–8

A health and hospital profile of Toledo. Price JH. **Ohio State Med J** 1985 Apr;81(4):234–7, 243

Childhood death and poverty: a study of all childhood deaths in Maine, 1976 to 1980. Nersesian WS, et al. **Pediatrics** 1985 Jan;75(1):41-50

Mortality panel: review of data from new medical impairment study. Chambers DC, et al. **Proc Annu Meet Med Sect Am Counc Life Insur** 1984; :113-22

Risk-efficient estimation of the mean exponential survival time under random censoring. Gardiner JC, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5906-9

Preventive health behaviors related to the ten leading causes of mortality of health-fair attenders and nonattenders. Price JH, et al. **Psychol Rep** 1985 Feb;56(1):131-5

The general labour conflict in Sweden 1980: effects on the mortality in Stockholm County. Allebeck P. **Public Health** 1985 Jan;99(1):10-7

Evaluating water supply and other health programs: short-run vs long-run mortality effects. Briscoe J. **Public Health** 1985 May;99(3):142-5

Outcome of admissions of elderly people to hospitals and homes: a survey and follow-up. Donaldson LJ, et al. **Public Health** 1984 Sep;98(5):270-6

Fatalities associated with farm tractor injuries: an epidemiologic study. Goodman RA, et al. **Public Health Rep** 1985 May-Jun;100(3):329-33

The British-Norwegian migrant study: 5-year mortality differentials due to cigarette smoking. Rogot E, et al. **Public Health Rep** 1985 May-Jun;100(3):301-7

Mortality of registered A-bomb survivors in Nagasaki, Japan, 1970-1984. Okajima S, et al. **Radiat Res** 1985 Sep; 103(3):419-31

African vital statistics—a black hole? Botha JL, et al. **S Afr Med J** 1985 Jun 15;67(24):977-81

The causes of non-natural deaths in children over a 15-year period in greater Cape Town. Knobel GJ, et al. **S Afr Med J** 1984 Nov 24;66(21):795-801

Immigrant mortality [editorial] Walker AR. **S Afr Med J** 1985 May 4;67(18):702-3

Deaths from and mortality rates for largely preventable causes of death in whites in the RSA. Comparison of the situations in 1970 and 1980. Wyndham CH. **S Afr Med J** 1985 Jun 15;67(24):975-6

Trends in the mortality rates for the ten leading causes of death among white, coloured and Asian children under 5 years of age in the RSA, 1968-1977. Wyndham CH. **S Afr Med J** 1984 Nov 10;66(19):719-25

Leading causes of death among children under 5 years of age in the various population groups of the RSA in 1970. Wyndham CH. **S Afr Med J** 1984 Nov 10;66(19):717-8

Mortality trends in the populations of the RSA from causes commonly observed in developing communities, 1968-1977. Wyndham CH. **S Afr Med J** 1984 Dec 22-29; 66(25):945-50

Survival rates among Seventh Day Adventists compared with the general population in Poland. Jedrychowski W, et al. **Scand J Soc Med** 1985;13(2):49-52

Air pollution, climate, socioeconomic status and total mortality in the United States. Kim YS. **Sci Total Environ** 1985 Apr;42(3):245-56

Death from non-war violence: an international comparison. Day LH. **Soc Sci Med** 1984;19(9):917-27

Child mortality and economic variation among rural Mexican households. Millard AV. **Soc Sci Med** 1985;20(6):589-99

Socioeconomic and health effects on mortality declines in developing countries. Pendleton BF, et al. **Soc Sci Med** 1985;20(5):453-60

Using national mortality data to study the changing sex differential in mortality. Lopez AD. **Soz Praventivmed** 1984;29(6):258-64

A comparison of two methods for calculating expected mortality [letter] Smith PG. **Stat Med** 1984 Jul-Sep; 3(3):301-2

Lethality of suicide attempt rating scale. Smith K, et al. **Suicide Life Threat Behav** 1984 Winter;14(4):215-42

Mortality and aging in a heterogeneous population: a stochastic process model with observed and unobserved variables. Yashin AI, et al. **Theor Popul Biol** 1985 Apr; 27(2):154-75

Sex differentials in mortality. Lopez AD. **WHO Chron** 1984; 38(5):217-24

Health development in Japan: determinants, implications and perspectives. Ohno Y. **World Health Stat Q** 1985; 38(2):176-92 **(Eng, Fre)**

Intersectoral aspects of mortality projections in developing countries. Ruzicka LT. **World Health Stat Q** 1984; 37(3):281-93 **(Eng, Fre)**

[Selecting a standard for calculating age standardization] Radkovský J. **Cesk Zdrav** 1985 Apr;33(4):161-70 (Eng. Abstr.) **(Cze)**

[The effect of smoking on mortality among married couples] Verheesen JH, et al. **Ned Tijdschr Geneeskd** 1984 Oct 13; 128(41):1934-7 (Eng. Abstr.) **(Dut)**

[Analysis of 1,165 autopsies of children in 3 hospital departments in Iran] Marandian MH, et al. **Ann Pediatr (Paris)** 1985 Jun;32(6):553-8 (Eng. Abstr.) **(Fre)**

[Estimation of the hazards ratio in two grouped samples] Moreau T, et al. **Biometrics** 1985 Mar;41(1):245-52 (Eng. Abstr.) **(Fre)**

[Increase in mortality in Poland in recent years] Okolski M. **Cah Sociol Demogr Med** 1985 Jan-Mar;25(1):33-54 **(Fre)**

[Comparison of a cohort mortality with the mortality of a reference population. Principle, necessary number of expected deaths and the given power of the test] Hill C, et al. **Rev Epidemiol Sante Publique** 1984;32(5):330-5 (Eng. Abstr.) **(Fre)**

[Social inequality in deaths in Great Britain and in France] Leclerc A, et al. **Soc Sci Med** 1984;19(5):479-87 (Eng. Abstr.) **(Fre)**

[Social inequality of mortality in France (1975-1980): a longitudinal study] Desplanques G. **Soz Praventivmed** 1984; 29(6):268-72 (Eng. Abstr.) **(Fre)**

[Responsibilities of commissions for lowering infant and child mortality—retrospective and prospective aspects exemplified by the Karl-Marx-Stadt district] Vogel C. **Arztl Jugendkd** 1985 Jun;76(3):179-83 (Eng. Abstr.) **(Ger)**

[Cause of death statistics and age] Neumann G. **Lebensversicherungsmedizin** 1985 Mar 1;37(2):46-51 (Eng. Abstr.) **(Ger)**

[Methodology of tables on the causes of death and their use for assessing mortality relationships of the East German population in a longitudinal comparison] Scholz D, et al. **Sante Publique (Bucur)** 1984;27(1):31-44 (Eng. Abstr.) **(Ger)**

[Quality of coding of causes of death in Switzerland] Minder CE. **Soz Praventivmed** 1984;29(6):248-50 (Eng. Abstr.) **(Ger)**

[Selectivity of tests, on which standardized mortality quotients rest] Minder CE. **Soz Praventivmed** 1984; 29(6):251-2 (Eng. Abstr.) **(Ger)**

[Introduction to psychosocial medicine] Heim E. **Ther Umsch** 1984 Nov;41(11):739-46 **(Ger, Fre)**

[Regional differences in mortality in East Germany] Giersdorf P, et al. **Z Arztl Fortbild (Jena)** 1984; 78(16):689-92 **(Ger)**

[Concurrent risks in cause of death statistics] Radoschewski M, et al. **Z Gesamte Hyg** 1985 Jan;31(1):62-4 (Eng. Abstr.) **(Ger)**

[Estimation of the probability of survival of middle-aged men as a function of individual characteristics] Farchi G, et al. **Recenti Prog Med** 1984 Jun;75(6):553-65 (Eng. Abstr.) **(Ita)**

[Epidemiological analysis of mortality among the aged during an influenza epidemic] Takahashi M, et al. **Kansenshogaku Zasshi** 1984 Aug;58(8):764-73 (Eng. Abstr.) **(Jpn)**

[Mortality in Brazil in 1980] Barros MB. **Rev Saude Publica** 1984 Apr;18(2):122-37 (Eng. Abstr.) **(Por)**

[Potential life years lost according to cause, in Fortaleza (Brazil), 1978-80] da Silva MG. **Rev Saude Publica** 1984 Apr;18(2):108-21 (Eng. Abstr.) **(Por)**

[Epidemiological aspects of mortality among patients with Hansen's disease in the State of São Paulo, Brazil (1931-1980)] Lombardi C. **Rev Saude Publica** 1984 Apr; 18(2):71-107 (Eng. Abstr.) **(Por)**

[Algorithm for calculating socioeconomic loss in relation to premature mortality] Evdakov VA. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(2):78-82 (Eng. Abstr.) **(Rus)**

[Evaluation of demographic losses of cohorts by constructing life span tables] Ignat'eva RK. **Sov Zdravookhr** 1984; (11):22-7 (Eng. Abstr.) **(Rus)**

[Effect of changes in solar activity on the dynamics of morbidity and mortality among the population] Temur'iants NA, et al. **Ter Arkh** 1985;57(5):150-2 **(Rus)**

[Analysis of geographic differences in mortality in Spain] López-Abente Ortega G, et al. **Med Clin (Barc)** 1985 Feb 23;84(7):264-7 (Eng. Abstr.) **(Spa)**

[Mortality in a rural population in Mexico and its relation to the use of medical services before death] Canales Muñoz JL, et al. **Salud Publica Mex** 1984 Jul-Aug;26(4):404-14 (Eng. Abstr.) **(Spa)**

[Utilization of mortality data for health service planning: the case of Mexico] López Cervantes M. **Salud Publica Mex** 1985 Mar-Apr;27(2):124-39 (Eng. Abstr.) **(Spa)**

[Retrospective cohort study shows: total low mortality among stevedores but an increasingly high risk for cancer morbidity] Gustafsson L, et al. **Lakartidningen** 1985 Jul 24; 82(30-31):2604-6 **(Swe)**

[Alcohol and mortality in younger middle-aged men in Malmö] Petersson B. **Lakartidningen** 1985 Feb 27; 82(9):717-20 **(Swe)**

[Risk factors for premature death in middle-aged men in Malmö] Petersson B, et al. **Lakartidningen** 1984 Oct 10; 81(41):3697-700 **(Swe)**

MORTUARY CUSTOMS see **FUNERAL RITES**

MORTUARY PRACTICE

Decomposition of buried bodies and methods that may aid in their location. Rodriguez WC 3d, et al. **J Forensic Sci** 1985 Jul;30(3):836-52

The mortality of Ontario undertakers and a review of formaldehyde-related mortality studies. Levine RJ, et al. **J Occup Med** 1984 Oct;26(10):740-6

Mortician retrieval of donor globes. The Minnesota experience. Bonner T, et al. **Minn Med** 1984 Aug; 67(8):449-54

[Legal medicine and forensic aspects of the cremation law] Penners BM. **Off Gesundheitswes** 1985 Apr;47(4):154-8 **(Ger)**

MORULA see under **CLEAVAGE STAGE, OVUM**

MOSAIC VIRUSES

ANALYSIS

Sindbis virus proteins nsP1 and nsP2 contain homology to nonstructural proteins from several RNA plant viruses. Ahlquist P, et al. **J Virol** 1985 Feb;53(2):536-42

Use of the immuno-gold technique for in situ localization of cauliflower mosaic virus (CaMV) particles and the major protein of the inclusion bodies. Giband M, et al. **J Virol Methods** 1984 Dec;9(4):277-81

1H, 13C, and 31P nuclear magnetic resonance studies of cowpea mosaic virus: detection and exchange of polyamines and dynamics of the RNA. Virudachalam R, et al. **Virology** 1985 Feb;141(1):43-50

ENZYMOLOGY

A DNA polymerase activity is associated with Cauliflower Mosaic Virus. Menissier J, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8769-78

GENETICS

Endogenous transposable elements associated with virus infection in maize. Dellaporta SL, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:321-8

Study of the genetic organisation of a plant viral RNA genome by in vitro expression of a full-length DNA copy. Vos P, et al. **EMBO J** 1984 Dec 20;3(13):3049-53

Cap accessibility correlates with the initiation efficiency of alfalfa mosaic virus RNAs. Godefroy-Colburn T, et al. **Eur J Biochem** 1985 Mar 15;147(3):549-52

Translational discrimination between the four RNAs of alfalfa mosaic virus. A quantitative evaluation. Godefroy-Colburn T, et al. **Eur J Biochem** 1985 Mar 15; 147(3):541-8

Nucleotide sequence of cucumber mosaic virus RNA. 1. Presence of a sequence complementary to part of the viral satellite RNA and homologies with other viral RNAs. Rezaian MA, et al. **Eur J Biochem** 1985 Jul 15;150(2):331-9

Expression of a putative plant viral gene in Escherichia coli. Mesnard JM, et al. **Gene** 1984 Nov;31(1-3):39-47

Replication of the cauliflower mosaic virus: role and stability of the cloned delta 3 discontinuity sequence. Pietrzak M, et al. **Gene** 1985;33(2):169-79

Messenger RNA structure participating in the initiation of synthesis of cucumber mosaic virus coat protein. Hidaka S, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):161-71

Expression of disease symptoms in cauliflower mosaic virus genomic hybrids. Daubert SD, et al. **J Mol Appl Genet** 1984;2(6):537-47

A cauliflower mosaic virus promoter directs expression of kanamycin resistance in morphogenic transformed plant cells. Koziel MG, et al. **J Mol Appl Genet** 1984;2(6):549-62

Mutations of the Adh1 gene in maize following infection with barley stripe mosaic virus. Mottinger JP, et al. **MGG** 1984;195(1-2):367-9

Molecular and general genetics of a hybrid foreign gene introduced into tobacco by direct gene transfer. Potrykus I, et al. **MGG** 1985;199(2):169-77

cDNA cloning and in vitro transcription of the complete brome mosaic virus genome. Ahlquist P, et al. **Mol Cell Biol** 1984 Dec;4(12):2876-82

Synthesis of brome mosaic virus subgenomic RNA in vitro by internal initiation on (-)-sense genomic RNA. Miller WA, et al. **Nature** 1985 Jan 3-9;313(5997):68-70

Identification of DNA sequences required for activity of the cauliflower mosaic virus 35S promoter. Odell JT, et al. **Nature** 1985 Feb 28-Mar 6;313(6005):810-2

Similarity in gene organization and homology between proteins of animal picornaviruses and a plant comovirus suggest common ancestry of these virus families. Argos P, et al. **Nucleic Acids Res** 1984 Sep 25;12(18):7251-67

Primary structural comparison of RNA-dependent polymerases from plant, animal and bacterial viruses. Kamer G, et al. **Nucleic Acids Res** 1984 Sep 25; 12(18):7269-82

S1-sensitive sites in the supercoiled double-stranded form of tomato golden mosaic virus DNA component B: identification of regions of potential alternative secondary structure and regulatory function. Sunter G, et al. **Nucleic Acids Res** 1985 Jul 11;13(13):4645-59

Isolation of a fraction from cauliflower mosaic virus-infected protoplasts which is active in the synthesis of (+) and (-) strand viral DNA and reverse transcription of primed RNA templates. Thomas CM, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4557-76

Deletions in the 3'-terminal tRNA-like structure of brome mosaic virus RNA differentially affect aminoacylation and replication in vitro. Bujarski JJ, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5636-40

Study on the genome of cauliflower mosaic virus (Xinjiang isolate). Restriction mapping of virion and cloned viral DNA. Fang RX, et al. **Sci Sin [B]** 1984 Oct;27(10):1015-22

RNA and capsid accumulation in cowpea protoplasts that are resistant to cowpea mosaic virus strain SB. Kiefer MC, et al. **Virology** 1984 Sep;137(2):371-81

Sequence comparison of the 3' ends of a subgenomic RNA and the genomic RNAs of barley stripe mosaic virus. Stanley J, et al. **Virology** 1984 Dec;139(2):375-83

Detection of genomic-length soybean mosaic virus RNA on polyribosomes of infected soybean leaves. Vance VB, et al. **Virology** 1984 Oct 15;138(1):26-36

METABOLISM

In vitro synthesis of cauliflower mosaic virus DNA in viroplasms. Bonneville JM, et al. **Adv Exp Med Biol** 1984; 179:113-9

Search for the enzyme responsible for the reverse transcription step in cauliflower mosaic virus replication. Pfeiffer P, et al. **Adv Exp Med Biol** 1984;179:121-5

Entropy-driven polymerization of ribgrass virus protein. Shalaby RA, et al. **Arch Biochem Biophys** 1985 Apr; 238(1):69-74

PHYSIOLOGY

Thermal stability of cowpea mosaic virus components: differential scanning calorimetry studies. Virudachalam R, et al. **Virology** 1985 Oct 15;146(1):138-40

ULTRASTRUCTURE

The structure of a T = 1 icosahedral empty particle from southern bean mosaic virus. Erickson JW, et al. **Science** 1985 Aug 16;229(4714):625-9

MOSAICISM

see related
FREEMARTINISM
RADIATION CHIMERA

Cytogenetic diagnosis using midtrimester fetal blood samples: application to suspected mosaicism and other diagnostic problems. Watson MS, et al. **Am J Med Genet** 1984 Dec; 19(4):805-13

Are the occasional aneuploid cells in peripheral blood cultures significant? Wenger SL, et al. **Am J Med Genet** 1984 Dec;19(4):715-9

The prezygotic origin of structural mosaicisms. Cantú JM, et al. **Ann Genet (Paris)** 1985;28(2):73-4

G-11 staining in Turner's syndrome with mos 45,X/46,X,r(?). de Almeida JC, et al. **Ann Genet (Paris)** 1985;28(1):37-41

Incontinentia pigmenti (IP) and r(X). Tentative mapping of the IP locus to the X juxtacentromeric region. de Grouchy J, et al. **Ann Genet (Paris)** 1985;28(2):86-9

Mosaic and non-mosaic trisomy 15q2. Orye E, et al. **Ann Genet (Paris)** 1985;28(1):58-60

Constitutional mosaic t(2;7)(q33;p22) and other rearrangements in a girl with Wilms' tumor. Rivera H, et al. **Ann Genet (Paris)** 1985;28(1):52-4

46,XX/46,XX,8p- mosaicism in a phenotypically normal female. Suciu S. **Ann Genet (Paris)** 1985;28(2):123-4

Counseling dilemmas in the prenatal diagnosis of 45,XO/46,XX mosaicism. Hager J, et al. **Birth Defects** 1984; 20(6):197-200

Trisomy 10 mosaicism in a newborn boy; delineation of the syndrome. de France HF, et al. **Clin Genet** 1985 Jan; 27(1):92-6

Mosaic tetrasomy 21 is mosaic tetrasomy 12p some of the time [letter] Hall BD. **Clin Genet** 1985 Mar;27(3):284-5

The characteristic physiognomy and tissue specific karyotype distribution in the Pallister-Killian syndrome. Hunter AG, et al. **Clin Genet** 1985 Jul;28(1):47-53

Paternal mosaic 45,X/46,XYq+ and recurrent spontaneous abortions without monosomy X [letter] Izaković V, et al. **Clin Genet** 1985 Mar;27(3):285-6

Diploid-tetraploid mosaicism in a malformed boy. Quiroz E, et al. **Clin Genet** 1985 Feb;27(2):183-6

Prenatal diagnosis of trisomy 20 mosaicism indicating esophageal and rectal origin. Vejerslev LO, et al. **Clin Genet** 1985 Mar;27(3):263-8

Hereditary retinoblastoma and 13q--mosaicism. Dudin G, et al. **Cytogenet Cell Genet** 1984;38(3):235-7

Random X inactivation resulting in mosaic nullisomy of region Xp21.1----p21.3 associated with heterozygosity for ornithine transcarbamylase deficiency and for chronic granulomatous disease. Francke U. **Cytogenet Cell Genet** 1984;38(4):298-307

Mosaicism in female hybrid hares heterozygous for glucose-6-phosphate dehydrogenase. V. The recovery of DNA synthesis of hare fibroblasts after ultraviolet irradiation. Janakidevi K, et al. **Exp Mol Pathol** 1984 Dec; 41(3):344-53

Mosaicism in female hybrid hares heterozygous for glucose-6-phosphate dehydrogenase. VI. Production of monotypism in the aortas of 4 of 10 mosaic hares fed cholesterol oxidation products. Janakidevi K, et al. **Exp Mol Pathol** 1984 Dec;41(3):354-62

Two pregnancies and the loss of the 46,XX cell line in a 45,X/46,XX Turner mosaic patient. McCorquodale MM, et al. **Fertil Steril** 1985 Feb;43(2):229-33

Single cell origin of radiation-induced thymic lymphoma in mice with cellular mosaicism. Bessho M, et al. **Gann** 1984 Nov;75(11):1002-5

Clonal origin of spontaneous multiple mammary tumors in mice with cellular mosaicism. Tanaka K, et al. **Gann** 1984 Sep;75(9):792-7

Postmeiotic segregation as a source of mosaics in diploid organisms. Leslie JF, et al. **Genet Res** 1984 Oct;44(2):225-9

Analysis of genetic mosaics of the nematode Caenorhabditis elegans. Herman RK. **Genetics** 1984 Sep;108(1):165-80

On the significance of true trisomy 20 mosaicism in amniotic fluid culture. Djalali M, et al. **Hum Genet** 1985;69(4):321-6

Mitomycin C-induced mosaicism in C-band regions of human chromosomes 1, 9, 16, and Y. Simi S. **Hum Genet** 1985;70(3):243-5

Trisomy 21 Down syndrome. Parental mosaicism. Uchida IA, et al. **Hum Genet** 1985;70(3):246-8

A pair of siblings with diastrophic dysplasia and E trisomy mosaicism. Holmgren G, et al. **Hum Hered** 1984; 34(4):266-8

Test of recurrence after experimental radiation therapy of chemically induced autochthonous tumors in mosaic mice. Tanooka H, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug; 11(8):1551-5

Roentgencephalometric measurements in trisomy 8 mosaicism: report of three cases. Beemer FA, et al. **J Craniofac Genet Dev Biol** 1984;4(3):233-41

Investigation of variability among mouse aggregation chimaeras and X-chromosome inactivation mosaics. West JD, et al. **J Embryol Exp Morphol** 1984 Dec;84:309-29

A live infant with trisomy 14 mosaicism and nuclear abnormalities of the neutrophils. Dallapiccola B, et al. **J Med Genet** 1984 Dec;21(6):467-70

Mosaic Down's syndrome with de novo 45,XX,-21,-22,+t(21q;22q)/46,XX,-21,+t(21q;21q) rearrangement. Tharapel AT, et al. **J Med Genet** 1984 Oct; 21(5):391-5

Cell lineage relationships in the development of the mammalian CNS. II. Bilateral independence of CNS clones. Herrup K, et al. **J Neurogenet** 1984 Dec;1(4):275-88

Recurrent severe infections in a girl with apparently variable expression of mosaicism for chronic granulomatous disease. Johnston RB 3d, et al. **J Pediatr** 1985 Jan;106(1):50-5

Chromosome mosaicism in a zebra (Equus burchelli) abortus provides evidence for a different in-vivo/in-vitro survival of balanced and unbalanced karyotypes. Whitehouse DB, et al. **J Reprod Fertil** 1985 Mar;73(2):401-3

Further examples of trisomy-20 mosaicism in amniotic cell cultures. Grewal MS, et al. **Prenat Diagn** 1985 Mar-Apr; 5(2):159-62

Prenatal diagnosis of a 46,XX/47,XX, + 12 mosaic. Jensen PK, et al. **Prenat Diagn** 1984 Jul-Aug;4(4):307-9

Trisomy 20 mosaicism. Miny P, et al. **Prenat Diagn** 1984 Nov-Dec;4(6):411-9

Five cases of prenatally diagnosed sex chromosome mosaicism. Nocera G, et al. **Prenat Diagn** 1985 May-Jun; 5(3):169-74

Prenatal diagnosis of trisomy 9 mosaicism possibly limited to fetal membranes. Pfeiffer RA, et al. **Prenat Diagn** 1984 Sep-Oct;4(5):387-9

Prenatal diagnosis of a true mosaic trisomy 20 substantiated by demonstration of a gene dosage effect for adenosine deaminase (ADA). Steinbach P, et al. **Prenat Diagn** 1985 Mar-Apr;5(2):163-6

Definition of true and pseudo-mosaicism [letter] Suslak L, et al. **Prenat Diagn** 1985 Jan-Feb;5(1):91

Histological demonstration of mosaicism in a series of chimeric rats produced between congenic strains. Weinberg WC, et al. **Science** 1985 Feb 1;227(4686):524-7

Sex chromosome mosaicism and infertility in mares. Halnan CR. **Vet Rec** 1985 May 18;116(20):542-3

Rh blood group mosaicism in a healthy elderly woman. Salaru NN, et al. **Vox Sang** 1985;48(6):362-5

[45,X/46,X,del(Yq) sex chromosome mosaicism--analysis of the phenotypic expression] Werner W, et al. **Zentralbl Gynakol** 1985;107(5):265-79 (Eng. Abstr.) **(Ger)**

[Mosaicism in Klinefelter's syndrome] Egorkina DA, et al. **Sov Med** 1984;(7):46-52 (Eng. Abstr.) **(Rus)**

[2 cases of mosaicism 45,X/46,Xr(X)] Kostić V, et al. **Acta Med Iugosl** 1984;38(5):365-71 (Eng. Abstr.) **(Ser)**

MOSQUITO CONTROL

see related
CHEMOSTERILANTS
INSECTICIDE RESISTANCE
PEST CONTROL, BIOLOGICAL

Environmental management activities in malaria control in Africa. Stevens PA. **Bull WHO** 1984;62 Suppl:77-80

Assessment of exposure to organophosphate insecticides during spraying in Haiti: monitoring of urinary metabolites and blood cholinesterase levels. Warren M, et al. **Bull WHO** 1985;63(2):353-60

Vector control operations in the African context. Zahar AR. **Bull WHO** 1984;62 Suppl:89-100

Control of Anopheles subpictus breeding in backwaters of two coastal villages of Pondicherry. Geetha Bai M, et al. **Indian J Med Res** 1984 Jul;80:63-6

Evaluation of controlled release formulations of mosquito larvicides. Kalyanasundaram M, et al. **Indian J Med Res** 1984 Dec;80:649-52

Evaluation of Bacillus sphaericus & B. thuringiensis H-14 for mosquito control in rice fields. Kramer V. **Indian J Med Res** 1984 Dec;80:642-8

Density of Anopheles culicifacies Giles in relation to control measures along the river Thenpennai (Tamil Nadu). Mani TR, et al. **Indian J Med Res** 1984 Jul;80:30-6

Resting behaviour of anophelines & sporozoite rates in vectors of malaria along the river Thenpennai (Tamil Nadu). Mani TR, et al. **Indian J Med Res** 1984 Jul;80:11-7

Efficacy of Monox CI-FCM in Culex quinquefasciatus control in an urban situation. Mariappan T, et al. **Indian J Med Res** 1984 Jul;80:78-80

Integrated management of urban mosquito vectors of human diseases. Bang YH. **J Commun Dis** 1985 Mar;17(1):1-14

Evaluation of pirimiphos methyl WDP for control of malaria in Tirap district of Arunachal Pradesh. A preliminary report. Sharma GK, et al. **J Commun Dis** 1985 Mar; 17(1):77-86

Study on the pathogenecity of Bacillus thuringiensis var. israelensis H-14 strain against silkworm, Bombyx mori under laboratory conditions. Sharma SK, et al. **J Commun Dis** 1985 Mar;17(1):15-21

A study on the operational correlates of persisting malaria in Shankergarh block of district Allahabad. Singh A, et al. **J Commun Dis** 1984 Dec;16(4):273-81

Determination of minimum lethal time of commonly used mosquito larvicides. Verma KV, et al. **J Commun Dis** 1984 Jun;16(2):162-4

Comparative efficacy of synthetic pyrethroids, natural pyrethrins and DDT against mosquito larvae. Verma KV, et al. **J Commun Dis** 1984 Jun;16(2):144-7

Computer-generated maps as an aid to mosquito control (Diptera: Culicidae). Hunt GJ, et al. **J Med Entomol** 1984 Sep 28;21(5):489-500

The impact of Aerial applications of ultra-low volume adulticides on Culex tarsalis populations (Diptera: Culicidae) in Kern County, California, USA, 1982. Reisen WK, et al. **J Med Entomol** 1984 Sep 28;21(5):573-85

Field studies on the introduction of the mosquito predator Toxorhynchites amboinensis (Diptera: Culicidae) into Fiji. Toohey MK, et al. **J Med Entomol** 1985 Jan 18;22(1):102-10

Bioassays of Bacillus sphaericus (strain 1593) against mosquitoes of public health importance in Malaysia. Cheong WC, et al. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):54-8

Chemical control on malaria vector Anopheles aconitus in Central Java, Indonesia. Sudomo M, et al. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):153-62

[Studies on DDT residual spraying for controlling Anopheles lesteri anthropophagus and Plasmodium falciparum malaria] Wu ZY, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(4):220-3 (Eng. Abstr.) **(Chi)**

[Evaluation of the release rate of an enveloped slow-release larvicide and its efficacy in mosquito control] Wu N. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Jun; 6(3):153-5 (Eng. Abstr.) **(Chi)**

[Epidemiological evaluation of a 20-year program in the control of malaria in Mun-hai County Yunan Province] Zhao SN. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Jun;6(3):150-2 (Eng. Abstr.) **(Chi)**

[Characteristics of Bacillus thuringiensis var. israelensis and its effect on mosquito larvae (Diptera: Culicidae)] Müller P. **Angew Parasitol** 1984 Aug;25(3):157-63 **(Ger)**

INSTRUMENTATION

Laboratory experiments on the effectiveness of expanded polystyrene (EPS) beads in mosquito control. Sharma VP. **Indian J Malariol** 1984 Dec;21(2):115-8

[A suction apparatus aspirator-type for the capture of mosquitoes] Natal D, et al. **Rev Saude Publica** 1984 Oct; 18(5):418-20 (Eng. Abstr.) **(Por)**

METHODS

A small scale field trial with Temephos (Abate) for the control of four species of Mansonia (Mansonioides) (Diptera: Culicidae) in Thailand. Gass RF, et al. **Ann Trop Med Parasitol** 1985 Jun;79(3):309-15

Evaluation of chlorphoxim used against Anopheles albimanus on the south coast of Mexico: 2. Use of two curtain-trap techniques in a village-scale evaluation trial. Bown DN, et al. **Bull Pan Am Health Organ** 1985;19(1):61-8

Malaria control with residual fenitrothion in Central Java, Indonesia: an operational-scale trial using both full and selective coverage treatments. Gandahusada S, et al. **Bull WHO** 1984;62(5):783-94

Detection, identification, and classification of mosquito larval habitats using remote sensing scanners in earth-orbiting satellites. Hayes RO, et al. **Bull WHO** 1985;63(2):361-74

Safety measures associated with the use of organophosphate insecticides in the Haitian malaria control programme. Warren M, et al. **Bull WHO** 1985;63(2):345-51

Preliminary field trials of Romanomermis jingdeensis against Anopheles sinensis in the suburbs of Shanghai. Yang XS, et al. **Chin Med J [Engl]** 1984 Aug;97(8):609-12

The scope and limitations of insecticide spraying in rural vector control programmes in the states of Karnataka and Tamil Nadu in India. Barai D, et al. **Ecol Dis** 1982; 1(4):243-55

New answers to malaria problems through vector control? Laird M. **Experientia** 1985 Apr 15;41(4):446-56 (53 ref.)

Feasibility of community participation for vector control in villages. Rajagopalan PK, et al. **Indian J Med Res** 1984 Jul;80:117-24

Impact of health education on voluntary participation in anti-larval measures. Sunny PJ, et al. **J Commun Dis** 1984 Dec;16(4):335-7

Larval mosquito control through deployment of xiphidiocercariae. Venkateswara Rao P, et al. **J Invertebr Pathol** 1985 Jul;46(1):1-4

Malaria control in the Gezira–Managil Irrigated Scheme of the Sudan. el Gaddal AA, et al. **J Trop Med Hyg** 1985 Apr;88(2):153–9

The impact of the exotic fish Gambusia affinis (Baird and Girard) on some natural predators of immature mosquitoes. el Safi SH, et al. **J Trop Med Hyg** 1985 Apr;88(2):175–8

War against mosquito [letter] Sexton S. **Med J Aust** 1984 Dec 8–22;141(12–13):897

Environmental management in mosquito control. Thevasagayam ES. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):149–52

Malaria control strategies: overview of changing perspectives. Wooster MT. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):183–6

[Bionomics, malaria transmission and control of Anopheles balabacensis balabacensis] Yang TS. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(4):265–7 **(Chi)**

[Preliminary report on the national extermination campaign of Aedes (S) aegypti in the Republic of Cuba (31 May 1981 to 20 March 1982)] Terry H, et al. **Z Gesamte Hyg** 1984 Dec;30(12):737–8 **(Ger)**

[Laboratory trials of the effectiveness of tropical larvivorous fish as agents for controlling mosquito larvae. 1. The principles of selecting the fish and trial methods] Artem'ev MM, et al. **Med Parazitol (Mosk)** 1984 Jul–Aug;(4):51–3 (Eng. Abstr.) **(Rus)**

[Detection of a mass breeding site of Culex pipiens L. blood-sucking mosquitoes and their attack on people in the area of Ziadin Station of the Central Asian Railroad. Measures for controlling and preventing their breeding] Kulanin VL. **Med Parazitol (Mosk)** 1985 May–Jun;(3):84–5 (Eng. Abstr.) **(Rus)**

[Sensitivity of Aedes aegypti infected with the malaria agent to DDT] Rasnitsyn SP, et al. **Med Parazitol (Mosk)** 1985 Jan–Feb;(1):15–7 (Eng. Abstr.) **(Rus)**

MOSQUITO FISH see under **FISHES**

MOSQUITOES

Oral toxicity of Bacillus thuringiensis subsp. israelensis to adult mosquitoes. Klowden MJ, et al. **Appl Environ Microbiol** 1984 Sep;48(3):665–7

The larvicide effect on Culicidae of microencapsulated malathion. Laboratory and field trials. Bîlbîe I, et al. **Arch Roum Pathol Exp Microbiol** 1984 Apr–Jun; 43(2):185–91

Separation of the cytolytic and mosquitocidal proteins of Bacillus thuringiensis subsp. israelensis. Hurley JM, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):961–5

Diversity of protein inclusion bodies and identification of mosquitocidal protein in Bacillus thuringiensis subsp. israelensis. Lee SG, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):953–60

Detection, identification, and classification of mosquito larval habitats using remote sensing scanners in earth–orbiting satellites. Hayes RO, et al. **Bull WHO** 1985;63(2):361–74

Mosquitoes of Mizoram. Malhotra PR, et al. **Indian J Malariol** 1984 Dec;21(2):125–6

Mosquitoes of Kutch, Gujarat. Singh N, et al. **Indian J Malariol** 1985 Jun;22(1):17–20

Evaluation of K–Othrine, a synthetic pyrethroid for insecticidal efficacy against mosquito vectors. Das PK, et al. **Indian J Med Res** 1984 Jul;80:74–7

Recycling potential of Bacillus sphaericus in natural mosquito breeding habitats. Hoti SL, et al. **Indian J Med Res** 1984 Jul;80:90–4

Field efficacy of Bacillus thuringiensis H–14 formulations against mosquito larvae in casuarina & coconut garden pits. Jambulingam P, et al. **Indian J Med Res** 1984 Jul;80:81–9

Field evaluation of three repellents against mosquitoes, black flies & land leeches. Kumar S, et al. **Indian J Med Res** 1984 Nov;80:541–5

Mosquito survey in Meghalaya. Das SC, et al. **Indian J Public Health** 1984 Jul–Sep;28(3):147–51

Vector species of mosquitoes [editorial] Hati AK. **Indian J Public Health** 1984 Jul–Sep;28(3):119–21

Seasonal incidence of mosquito breeding in plant axils at Tezpur (Assam). Sarkar PK, et al. **Indian J Public Health** 1984 Jul–Sep;28(3):152–8

Mosquitoes a continuing problem. Spatz H, et al. **J Arkansas Med Soc** 1984 Aug;81(3):175–6

Comparative efficacy of synthetic pyrethroids, natural pyrethrins and DDT against mosquito larvae. Verma KV, et al. **J Commun Dis** 1984 Jun;16(2):144–7

Determination of minimum lethal time of commonly used mosquito larvicides. Verma KV, et al. **J Commun Dis** 1984 Jun;16(2):162–4

Computer-generated maps as an aid to mosquito control (Diptera: Culicidae). Hunt GJ, et al. **J Med Entomol** 1984 Sep 28;21(5):489–500

Culiseta melanura (Diptera: Culicidae): population structure and nectar feeding in a freshwater swamp and surrounding areas in southeastern Massachusetts, USA. Nasci RS, et al. **J Med Entomol** 1984 Sep 28;21(5):567–72

Plasmodium falciparum transmission in England: entomological and epidemiological data relative to cases in 1983. Curtis CF, et al. **J Trop Med Hyg** 1984 Jun; 87(3):101–14 (93 ref.)

The food of the larvivorous fish Gambusia affinis (Baird and Girard) and Oreochromis (formerly Tilapia) niloticus (Linnaeus) in Gezira irrigation canals. el Safi SH, et al. **J Trop Med Hyg** 1985 Apr;88(2):169–74

Filariasis in Bengkoka Peninsula, Sabah, Malaysia: vector studies in relation to the transmission of filariasis. Chiang GL, et al. **Southeast Asian J Trop Med Public Health** 1984 Jun;15(2):179–89

Disease-bearing insects brought in by international aircraft into Singapore. Goh KT, et al. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):49–53

Comparative bioassays of Tolypocladium cylindrosporum Gams (Californian strain) against four species of mosquitoes in Malaysia. Serit MA, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):331–6

[Characteristics of Bacillus thuringiensis var. israelensis and its effect on mosquito larvae (Diptera: Culicidae)] Müller P. **Angew Parasitol** 1984 Aug;25(3):157–63 **(Ger)**

[Natural strains of Bacillus thuringiensis Berliner pathogenic for blood-sucking mosquitoes] Sokolova EI, et al. **Med Parazitol (Mosk)** 1985 May–Jun;(3):35–41 (Eng. Abstr.) **(Rus)**

[Culicide collection in Country Basic Secondary Schools (ESBECS) for foreigners on the Isla de la Juventud. Preliminary study] Fuentes González O, et al. **Rev Cubana Med Trop** 1984 Jan–Apr;36(1):59–62 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Mosquitoes (Diptera, Culicidae) of Afghanistan. 1. Classification table for females] Danilov VN. **Med Parazitol (Mosk)** 1985 Mar–Apr;(2):67–72 (Eng. Abstr.) **(Rus)**

[Blood-sucking mosquitoes of the Dzhizak and Syr-Darya Provinces, Uzbek SSR] Kupriianova ES, et al. **Med Parazitol (Mosk)** 1984 Nov–Dec;(6):46–51 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Insect repellents: concepts of their mode of action relative to potential sensory mechanisms in mosquitoes (Diptera: Culicidae). Davis EE. **J Med Entomol** 1985 May 24; 22(3):237–43

ENZYMOLOGY

Technical notes on acrylamide gel electrophoresis used for comparing isozymes of mosquito larvae. Tsukamoto M. **Sangyo Ika Daigaku Zasshi** 1984 Jun 1;6(2):193–204

GROWTH & DEVELOPMENT

Laboratory studies on the predacious efficacy of Culex (Lutzia) fuscanus larvae against other mosquito larvae. Singh K, et al. **J Commun Dis** 1984 Dec;16(4):320–2

IMMUNOLOGY

Human hypersensitivity to a sham vaccine prepared from mosquito-cell culture fluids. Scott RM, et al. **J Allergy Clin Immunol** 1984 Dec;74(6):808–11

Defense reactions of mosquitoes to filarial worms: potential mechanism for avoidance of the response by Brugia pahangi microfilariae. Lafond MM, et al. **J Invertebr Pathol** 1985 Jul;46(1):26–30

MICROBIOLOGY

Detection of eastern equine encephalomyelitis virus and Highlands J virus antigens within mosquito pools by enzyme immunoassay (EIA). II. Retrospective field test of the EIA. Hildreth SW, et al. **Am J Trop Med Hyg** 1984 Sep;33(5):973–80

Effect of normal mosquito extracts upon arbovirus recoveries from mosquito pools. Ksiazek TG, et al. **Am J Trop Med Hyg** 1985 May;34(3):578–85

Arbovirus investigations in Argentina, 1977–1980. II. Arthropod collections and virus isolations from Argentine mosquitoes. Mitchell CJ, et al. **Am J Trop Med Hyg** 1985 Sep;34(5):945–55

Comparative susceptibility of mosquito species and strains to oral and parenteral infection with dengue and Japanese encephalitis viruses. Rosen L, et al. **Am J Trop Med Hyg** 1985 May;34(3):603–15

Comparative susceptibility of five species of Toxorhynchites mosquitoes to parenteral infection with dengue and other flaviviruses. Rosen L, et al. **Am J Trop Med Hyg** 1985 Jul;34(4):805–9

Rapid infection of salivary glands in Culiseta melanura with eastern equine encephalitis virus: an electron microscopic study. Scott TW, et al. **Am J Trop Med Hyg** 1984 Sep; 33(5):961–4

Comparative sensitivity of three mosquito cell lines for isolation of dengue viruses. Kuno G, et al. **Bull WHO** 1985; 63(2):279–86

Rift Valley fever virus (family Bunyaviridae, genus Phlebovirus). Isolations from Diptera collected during an inter-epizootic period in Kenya. Linthicum KJ, et al. **J Hyg (Lond)** 1985 Aug;95(1):197–209

Mosquito-borne arboviruses in Norway: further isolations and detection of antibodies to California encephalitis viruses in human, sheep and wildlife sera. Traavik T, et al. **J Hyg (Lond)** 1985 Feb;94(1):111–22

Surveillance of arbovirus activity in Iowa, USA, 1978–1980. Andre RG, et al. **J Med Entomol** 1985 Jan 18;22(1):58–63

Ingwavuma virus (Simbu group) from Culex and Mansonia mosquitoes (Diptera: Culicidae) in Indonesia. Converse JD, et al. **J Med Entomol** 1985 May 24;22(3):339–42

Host range studies with the fungus Leptolegnia, a parasite of mosquito larvae (Diptera: Culicidae). McInnis T Jr, et al. **J Med Entomol** 1985 Mar 22;22(2):226–7

Sindbis virus isolations from Saudi Arabian mosquitoes. Wills WM, et al. **Trans R Soc Trop Med Hyg** 1985;79(1):63–6

[Research on viral infections in South Pacific mosquitoes under natural conditions] Fauran P, et al. **Bull Soc Pathol Exot Filiales** 1984;77(5):628–36 (Eng. Abstr.) **(Fre)**

[Isolation of Tahyna virus from mosquitoes in 2 different European natural foci] Pilaski J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Mar; 180(4):394–420 (Eng. Abstr.) **(Ger)**

[The lake frog (Rana ridibunda)––one of the food hosts of blood-sucking mosquitoes in Tadzhikistan––a reservoir of the West Nile fever virus] Kostiukov MA, et al. **Med Parazitol (Mosk)** 1985 May–Jun;(3):49–50 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

The biology of Plasmodium in the mosquito. Sinden RE. **Experientia** 1984 Dec 15;40(12):1330–43 (168 ref.)

Romanomermis culicivorax parasitism and the development, growth, and feeding rates of two mosquito species. Giblin RM, et al. **J Invertebr Pathol** 1985 Jul;46(1):11–9

Intermediate host for an Amblyospora sp. (microspora) infecting the mosquito, Culex annulirostris. Sweeney AW, et al. **J Invertebr Pathol** 1985 Jul;46(1):98–102

Larval mosquito control through deployment of xiphidiocercariae. Venkateswara Rao P, et al. **J Invertebr Pathol** 1985 Jul;46(1):1–4

Re-examination of earlier work on repetitive DNA and mosquito infectivity in rodent malaria. Casaglia O, et al. **Mol Biochem Parasitol** 1985 Jun;16(1):35–42

Studies of Coquillettidia (coquillettidia) crassipes (Vanderwulp, 1881) in relation to transmission of Cardiofilaria nilesi. Klinkaewnarong W, et al. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):10–4

[Preliminary observations on the nematode parasites of mosquito larvae in rice fields in Yiwu County, Zhejiang] Yu ZQ. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(4):280 **(Chi)**

[Preliminary report on the susceptibility of mosquitoes to Brugia pahangi] Wu CC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Aug;17(3):156–60 (Eng. Abstr.) **(Chi)**

[Possible significance of the factor of optimal infecting doses in the causative agent-vector system in malaria] Alekseev AN. **Med Parazitol (Mosk)** 1985 May–Jun;(3):10–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Mosquito circadian flight rhythms: differential effects of constant light. Clopton JR. **Am J Physiol** 1984 Dec;247(6 Pt 2):R960–7

Increased mosquito feeding on Rift Valley fever virus-infected lambs. Turell MJ, et al. **Am J Trop Med Hyg** 1984 Nov;33(6):1232–8

Aquatic bioassay of 11 pesticides using larvae of the mosquito, Wyeomyia smithii (Diptera: Culicidae). Strickman D. **Bull Environ Contam Toxicol** 1985 Jul; 35(1):133–42

Mosquito breeding in water meter chambers. Narayanan E, et al. **Indian J Malariol** 1985 Jun;22(1):47–8

Effect of weekly releases of Toxorhynchites amboinensis (Doleschall) on Aedes aegypti (L.) (Diptera: Culicidae) in New Orleans, Louisiana. Focks DA, et al. **J Econ Entomol** 1985 Jun;78(3):622–6

The pattern of osmotic regulation in larvae of the mosquito Culiseta inornata. Garrett M, et al. **J Exp Biol** 1984 Nov; 113:133–41

Preliminary study of the effects of wind velocities and wind shadows upon suction trap catches of mosquitoes (Diptera: Culicidae). Bidlingmayer WL, et al. **J Med Entomol** 1985 May 24;22(3):295–302

Failure of culicine eggs to darken in the field. Guptavanij P, et al. **J Med Entomol** 1985 Mar 22;22(2):228–9

Filariasis in Bengkoka Peninsula, Sabah, Malaysia: bionomics of Mansonia sp. Chiang GL, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):294–302

Laboratory observations on Toxorhynchites splendens Wiedemann in Thailand. Chowanadisai L, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):337–41

[Presence of autogenic characteristics in Culiseta (C.) annulata (Schrank, 1776) and new geographical mentions for Aedes caspius (Pallas, 1771) and Culiseta (C.) subochrea (Edwards, 1921)] Capela RA, et al. **Ann Parasitol Hum Comp** 1984;59(5):535–8 **(Fre)**

ULTRASTRUCTURE

Ultrastructure of osmoregulatory organs in larvae of the brackish-water mosquito, Culiseta inornata (Williston). Garrett MA, et al. **J Morphol** 1984 Dec;182(3):257-77

MOTH FLIES see **PSYCHODIDAE**

MOTHER CELLS see **STEM CELLS**

MOTHER-CHILD RELATIONS

Extra early physical contact and aspects of the early mother-infant relationship. Taylor PM, et al. **Acta Paediatr Scand [Suppl]** 1985;316:3-14

Extra early mother-infant contact and duration of breast-feeding. Taylor PM, et al. **Acta Paediatr Scand [Suppl]** 1985;316:15-22

Offspring of women with nonorganic psychosis: mother-infant interaction at three-and-a-half and six months of age. McNeil TF, et al. **Acta Psychiatr Scand** 1985 Jun;71(6):551-8

Offspring of women with nonorganic psychosis: mother-infant interaction at three and six weeks of age. Näslund B, et al. **Acta Psychiatr Scand** 1985 May;71(5):441-50

Offspring of women with nonorganic psychosis: mother-infant interaction at three days of age. Persson-Blennow I, et al. **Acta Psychiatr Scand** 1984 Aug;70(2):149-59

Psychodynamics of delinquent girls' rage and violence directed toward mother. Rosenthal PA, et al. **Adolesc Psychiatry** 1985;12:281-9

Perceived mother-daughter relations in a pregnant and nonpregnant adolescent sample. Olson CF, et al. **Adolescence** 1984 Winter;19(76):781-94

Father's influence on his daughter's marijuana use viewed in a mother and peer context. Brook JS, et al. **Adv Alcohol Subst Abuse** 1985 Spring-Summer;4(3-4):165-90

Maternal speech to prelinguistic children with Down syndrome. Cardoso-Martins C, et al. **Am J Ment Defic** 1985 Mar;89(5):451-8

Social support in black, low-income, single-parent families: normative and dysfunctional patterns. Lindblad-Goldberg M, et al. **Am J Orthopsychiatry** 1985 Jan;55(1):42-58

Deviations on exploration, attachment, and fear of strangers in high-risk and control infants at one year of age. Näslund B, et al. Am **J Orthopsychiatry** 1984 Oct;54(4):569-77

Child-rearing patterns in depressed, abusive, and normal mothers. Susman EJ, et al. **Am J Orthopsychiatry** 1985 Apr;55(2):237-51

The mother-child interactions of hyperactive boys and their normal siblings. Tarver-Behring S, et al. **Am J Orthopsychiatry** 1985 Apr;55(2):202-9

A study of 15 matricidal men. Campion J, et al. **Am J Psychiatry** 1985 Mar;142(3):312-7

Toward an understanding of mother-daughter identification using concept analysis. Boyd C. **ANS** 1985 Apr;7(3):78-86

Behavioural deviance and maternal depressive symptoms in paediatric outpatients. Fitzgerald M. **Arch Dis Child** 1985 Jun;60(6):560-2

Bonding babies [editorial] Richards MP. **Arch Dis Child** 1985 Apr;60(4):293-4

Non-organic failure to thrive: a reappraisal. Skuse DH. **Arch Dis Child** 1985 Feb;60(2):173-8 (34 ref.)

Finally, her own child! **Arch Intern Med** 1984 Oct;144(10):2045

The efficacy of parent training with maritally distressed and nondistressed mothers: a multimethod assessment. Brody GH, et al. **Behav Res Ther** 1985;23(3):291-6

The association between parental personal/marital adjustment and parent-child interactions in a clinic sample. Forehand R, et al. **Behav Res Ther** 1985;23(2):211-2

Social networks and social support of primigravida mothers and fathers. Cronenwett LR. **Birth Defects** 1984;20(5):167-203

Information needs and problem solving behavior of parents of infants. Pridham KF. **Birth Defects** 1984;20(5):125-65

Rejection of a child by his mother. Successfully treated after three years. Brockington IF, et al. **Br J Psychiatry** 1984 Sep;145:316-8

The risk of child abuse among mothers who attempt suicide. Hawton K, et al. **Br J Psychiatry** 1985 May;146:486-9

Postnatal depression and child development. A three-year follow-up study. Wrate RM, et al. **Br J Psychiatry** 1985 Jun;146:622-7

A training technique for improving the parent-child interaction skills of an abusive-neglectful mother. Crimmins DB, et al. **Child Abuse Negl** 1984;8(4):533-9

Social interaction between parents and babies: validation of an intervention procedure. McCollum JA. **Child Care Health Dev** 1984 Sep-Oct;10(5):301-15

Coordinating attention to people and objects in mother-infant and peer-infant interaction. Bakeman R, et al. **Child Dev** 1984 Aug;55(4):1278-89

Early mother-infant interaction and infant cognitive status as predictors of school performance and cognitive behavior in six-year-olds. Coates DL, et al. **Child Dev** 1984 Aug;55(4):1219-30

Perception of child, child-rearing values, and emotional distress as mediating links between environmental stressors and observed maternal behavior. Conger RD, et al. **Child Dev** 1984 Dec;55(6):2234-47

Verbal rationales and modeling as adjuncts to a parenting technique for child compliance. Davies GR, et al. **Child Dev** 1984 Aug;55(4):1290-8

Children's responses to separation from mother during the birth of another child. Field T, et al. **Child Dev** 1984 Aug;55(4):1308-16

Dyads at risk: methadone-maintained women and their four-month-old infants. Jeremy RJ, et al. **Child Dev** 1984 Aug;55(4):1141-54

The rhythmic structure of mother-infant interaction in term and preterm infants. Lester BM, et al. **Child Dev** 1985 Feb;56(1):15-27

The relation between maternal employment status and the stability of attachments to mother and to father. Owen MT, et al. **Child Dev** 1984 Oct;55(5):1894-901

Generational boundary dissolution between mothers and their preschool children: a relationship systems approach. Sroufe LA, et al. **Child Dev** 1985 Apr;56(2):317-25

Application of the strange situation attachment paradigm to a neurologically impaired population. Stahlecker JE, et al. **Child Dev** 1985 Apr;56(2):502-7

Employed mothers and family day-care substitute caregivers: a comparative analysis of infant care. Stith SM, et al. **Child Dev** 1984 Aug;55(4):1340-8

At-risk toddlers and their mothers: the special case of physical handicap. Wasserman GA, et al. **Child Dev** 1985 Feb;56(1):73-83

Effects of maternal visitation to preterm infants in the neonatal intensive care unit. Zeskind PS, et al. **Child Dev** 1984 Oct;55(5):1887-93

Overcontrolled children and outcome of short-term psychiatric hospitalization. LaBarbera JD. **Child Psychiatry Hum Dev** 1984 Fall;15(1):21-33

Conjoint mother-child admission in-patient management of crises in mother-infant relationships. Lipton GL, et al. **Child Psychiatry Hum Dev** 1984 Spring;14(3):178-86

Teenage mothers and their infants. Badger E. **Clin Perinatol** 1985 Jun;12(2):391-406

What mothers know about their newborns' visual skills. Crouchman M. **Dev Med Child Neurol** 1985 Aug;27(4):455-60

Influence of early mother-infant contact on dyadic behaviour during the first month of life. Gomes-Pedro J, et al. **Dev Med Child Neurol** 1984 Oct;26(5):657-64

Mother-daughter interaction and adherence to diabetes regimens. Bobrow ES, et al. **Diabetes Care** 1985 Mar-Apr;8(2):146-51

Interaction analysis of mother and hearing-impaired child. Brewster LC. **Ear Hear** 1985 Jan-Feb;6(1):54-6

The adaptive-style theory of schizophrenic development: current research with schizophrenics. Heilbrun AB Jr. **Genet Psychol Monogr** 1984 Nov;110(2D Half):229-55 (49 ref.)

Psychological changes over the course of pregnancy: a study of attitudes toward the fetus/neonate. Reading AE, et al. **Health Psychol** 1984;3(3):211-21

Psychoanalytic approach to psychotic disturbances in very young children: a clinical report. Galenson E. **Hillside J Clin Psychiatry** 1984;6(2):221-40

Facial expressions of emotion in mother-infant interaction. Trevarthen C. **Hum Neurobiol** 1985;4(1):21-32

Indiscriminate mothering as a contextual factor in aggressive-oppositional child behavior: 'damned if you do and damned if you don't'. Dumas JE, et al. **J Abnorm Child Psychol** 1985 Mar;13(1):1-17

Comparisons of behavior transactions between conduct-disordered children and their mothers in the clinic and at home. Webster-Stratton C. **J Abnorm Child Psychol** 1985 Jun;13(2):169-83

Mother-child relationship--FIRST score. Salariya EM, et al. **J Adv Nurs** 1984 Nov;9(6):589-95

Physiologic assessment of mother-infant attachment. Donovan WL, et al. **J Am Acad Child Psychiatry** 1985 Jan;24(1):65-70

The impact of working on mother and child: what are the facts? Howell M. **J Am Med Wom Assoc** 1985 May-Jun;40(3):84-8

Considerations for the new generation. Robinson ME. **J Am Med Wom Assoc** 1985 May-Jun;40(3):89-91

Understanding and satisfying the psychological needs of infants and toddlers. Scharff JS. **J Am Med Wom Assoc** 1985 May-Jun;40(3):77-9

The professional woman as mother: insights from class differences. Smith JW, et al. **J Am Med Wom Assoc** 1985 May-Jun;40(3):80-3

The oral deadlock: treatment of a psychotic child. Bergman A, et al. **J Am Psychoanal Assoc** 1983;31(2):443-65

Foetal psychology and the analytic process. Kay DL. **J Anal Psychol** 1984 Oct;29(4):317-36

Brief report: replicability of factors in children's report of parent behavior (CRPBI) among orthopedically disabled and nondisabled adolescents. Harper DC. **J Autism Dev Disord** 1984 Dec;14(4):435-8

Hyperactive and normal girls and boys: mother-child interaction, parent psychiatric status and child psychopathology. Befera MS, et al. **J Child Psychol Psychiatry** 1985 May;26(3):439-52

Maltreated infants: vulnerability and resilience. Crittenden PM. **J Child Psychol Psychiatry** 1985 Jan;26(1):85-96

Maternal caretaking and play with full-term and premature infants. Minde K, et al. **J Child Psychol Psychiatry** 1985 Mar;26(2):231-44

Influence of Yoruba beliefs about abnormality on the socialization of deaf children: a research note. Togonu-Bickersteth F, et al. **J Child Psychol Psychiatry** 1985 Jul;26(4):639-52

Effects of age and Ritalin dosage on the mother-child interactions of hyperactive children. Barkley RA, et al. **J Consult Clin Psychol** 1984 Oct;52(5):750-8

Abusing, neglectful, and comparison mothers' responses to child-related and non-child-related stressors. Bauer WD, et al. **J Consult Clin Psychol** 1985 Jun;53(3):335-43

Interactional correlates of treatment outcome in behavioral parent training. Dumas JE. **J Consult Clin Psychol** 1984 Dec;52(6):946-54

The effects of mother-infant bonding. Wallick MM. **J La State Med Soc** 1985 Jan;137(1):40-2, 45-7

Maternal influence on the task behaviour of young Down's syndrome children. Berry P, et al. **J Ment Defic Res** 1984 Dec;28 (Pt 4):269-74

Prospective study of antecedents for nonorganic failure to thrive. Altemeier WA 3d, et al. **J Pediatr** 1985 Mar;106(3):360-5

Observing child abuse. Fontana VJ, et al. **J Pediatr** 1984 Oct;105(4):655-60

The Rorschach 'Father' and 'Mother' cards: an evaluation of the research. Liaboe GP, et al. **J Pers Assess** 1985 Feb;49(1):2-5

Effects of older siblings on the language young children hear and produce. Wellen CJ. **J Speech Hear Disord** 1985 Feb;50(1):84-99

Role of mothers' expansions in stimulating children's language production. Scherer NJ, et al. **J Speech Hear Res** 1984 Sep;27(3):387-96

Depression, self-concept, and violent experience in drug abusing women and their influence upon parenting effectiveness. Regan DO, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:332

The PACE family treatment and education program: a public health approach to parental competence and promotion of mental health. Goodman C. **New Dir Ment Health Serv** 1984 Dec;(24):53-77

Impact project: reducing the risk of mental illness to children of distressed mothers. Lucas LE, et al. **New Dir Ment Health Serv** 1984 Dec;(24):79-94

Reaching the hard-to-reach: serving isolated and depressed mothers with infants in the community. Lyons-Ruth K, et al. **New Dir Ment Health Serv** 1984 Dec;(24):95-122

Determinants of mother-infant interaction in adolescent mothers. Levine L, et al. **Pediatrics** 1985 Jan;75(1):23-9

Computer image analysis of mother-infant interaction. Kobayashi N. **Prog Clin Biol Res** 1985;163B:433-8

Psychophysiological response of breast- and bottle-feeding mothers to their infants' signals. Wiesenfeld AR, et al. **Psychophysiology** 1985 Jan;22(1):79-86

Toddlers with congenital anomalies and their mothers: the research of the Child Development Program at the New York State Psychiatric Institute. Wasserman GA, et al. **Rehabil Lit** 1984 Jul-Aug;45(7-8):202-5, 219

Occupational commitment and the quality of maternal infant interaction. Riesch SK. **Res Nurs Health** 1984 Dec;7(4):295-303

[Potential development of hypothermia and hypoglycemia in infants born at home after prolonged skin contact following delivery] Ezinga G, et al. **Ned Tijdschr Geneeskd** 1985 Mar 9;129(10):449-51 (Eng. Abstr.) **(Dut)**

[Paradoxical forms of the mother-infant exchange] Rabain-Jamin J. **Neuropsychiatr Enfance Adolesc** 1984 Oct-Nov;32(10-11):545-51 (Eng. Abstr.) **(Fre)**

[Individual differences at birth and their implications in the area of practical child care] Korner AF. **Psychiatr Enfant** 1984;27(2):417-31 **(Fre)**

[The single mother raising children alone] Trube-Becker E. **Off Gesundheitswes** 1985 Mar;47(3):106-10 **(Ger)**

[Rooming-in as a therapeutic possibility for a 6-year-old autistic girl] Wurst E, et al. **Padiatr Padol** 1984;19(4):393-9 (Eng. Abstr.) **(Ger)**

[Practical use and theoretical considerations on handling therapy in children with early childhood autistic syndrome] Burchard F. **Prax Kinderpsychol Kinderpsychiatr** 1984 Oct;33(7):282-90 (Eng. Abstr.) **(Ger)**

[Aggressive behavior in 1- to 2-year old children from the viewpoint of the mother] Merz J. **Prax Kinderpsychol Kinderpsychiatr** 1984 Jul;33(5):192-7 (Eng. Abstr.) **(Ger)**

[Treatment of mother and child. The neurotic index group] Schlierf C. **Prax Kinderpsychol Kinderpsychiatr (Beih)** 1985;26:122-42 **(Ger)**

[Early mother-child relations in relation to the desire for children. Significance of care conditions for the emotional conditioning of the female] Busacca M, et al. **Zentralbl Gynakol** 1984;106(24):1572-81 (Eng. Abstr.) **(Ger)**

[A computer analysis of entrainment (motion-voice synchronization) in communication: a mother-neonate relation as an example] Watanabe T, et al. **Iyodenshi To Seitai Kogaku** 1984 Oct;22(6):419-25 (Eng. Abstr.) **(Jpn)**

[Effects of mother-infant interaction on maternal milk secretion and dynamics of maternal serum prolactin levels in puerperium] Aisaka K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 May;37(5):713-20 (Eng. Abstr.) **(Jpn)**

MOTHERS

Mothers learning simultaneous communication: the dimensions of the task. Swisher MV, et al. **Am Ann Deaf** 1985 Jul;130(3):212-7

Surrogate mothers: whose baby is it? Cohen B. **Am J Law Med** 1984 Fall;10(3):243-85

Mother-blaming in major clinical journals. Caplan PJ, et al. **Am J Orthopsychiatry** 1985 Jul;55(3):345-53

Supports, stressors, and depressive symptoms in low-income mothers of young children. Hall LA, et al. **Am J Public Health** 1985 May;75(5):518-22

Cancer risk in adulthood from early life exposure to parents' smoking. Sandler DP, et al. **Am J Public Health** 1985 May; 75(5):487-92

Maternal serum folate and vitamin B12 concentrations in pregnancies associated with neural tube defects. Molloy AM, et al. **Arch Dis Child** 1985 Jul;60(7):660-5

A study of Streptococcus mutans levels in both infants with bottle caries and their mothers. Brown JP, et al. **Aust Dent J** 1985 Apr;30(2):96-8

Health care needs of the children of single mothers in a Perth suburb. Underwood P, et al. **Aust Paediatr J** 1984 Aug; 20(3):203-4

Surrogate mothers. **Br Med J [Clin Res]** 1985 Jan 26; 290(6464):308

A study of dental habits, knowledge and opinions of nursing mothers. Doshi SB. **Can Dent Assoc J** 1985 Jun; 51(6):429-32

Addicted mothers and their children: a case for coordinated welfare services. Merrick J. **Child Care Health Dev** 1985 May-Jun;11(3):159-69

In a different light: a feminist perspective on the role of mothers in father-daughter incest. Wattenberg E. **Child Welfare** 1985 May-Jun;64(3):203-11

Effects of dental health education for mothers with young children in London. Holt RD, et al. **Community Dent Oral Epidemiol** 1985 Jun;13(3):148-51

Fetal growth: relationship with maternal anthropometry, hemoglobin and serum albumin status. Bhatia BD, et al. **Indian J Pediatr** 1984 May-Jun;51(410):287-93

Prenatal perception of infant personality: a preliminary investigation. Zeanah CH, et al. **J Am Acad Child Psychiatry** 1985 Mar;24(2):204-10

Contracts to bear children. Davies I. **J Med Ethics** 1985 Jun; 11(2):61-5

The vitamin status of low birth weight infants and their mothers. Navarro J, et al. **J Pediatr Gastroenterol Nutr** 1984 Nov;3(5):744-8

Maternal migrations and child health. Brieger WR. **J Trop Pediatr** 1984 Oct;30(5):262-4

Beliefs and therapeutic preferences of mothers in management of acute diarrhoeal disease in children. Kumar V, et al. **J Trop Pediatr** 1985 Apr;31(2):109-12

Mothers' knowledge related to child health and nutrition in Ghana and Lesotho. Pielemeier NR. **J Trop Pediatr** 1985 Jun;31(3):131-9

The Government acts to prohibit surrogacy arrangements. Deitch R. **Lancet** 1985 Apr 27;1(8435):994-5

A government bill on surrogate motherhood? Deitch R. **Lancet** 1985 Jan 19;1(8421):178

Satisfaction with children's medical care in six different ambulatory settings. Dutton DB, et al. **Med Care** 1985 Jul; 23(7):894-912

In vitro fertilization: surrogacy ban by Victoria state [news] Sellar J. **Nature** 1984 Sep 27-Oct 3;311(5984):288

Mothers' and unrelated persons' initial handling of newborn infants. Tulman LJ. **Nurs Res** 1985 Jul-Aug;34(4):205-10

Perinatal ethics: a practical method of analysis of obligations to mother and fetus. Chervenak FA, et al. **Obstet Gynecol** 1985 Sep;66(3):442-6

Recognition of neonates by facial-visual characteristics. Porter RH, et al. **Pediatrics** 1984 Oct;74(4):501-4

Effect of maternal education on prognosis of development in children with Down syndrome. Sharav T, et al. **Pediatrics** 1985 Sep;76(3):387-91

An evaluation of California's inferred birth statistics for unmarried women. Berkov B. **Vital Health Stat [2]** 1985 Apr;(97):1-28

[Personal experience with the 'child and mother' system in a hospital pediatric department] Ríha F. **Cesk Pediatr** 1984 Feb;39(2):117-8 **(Cze)**

[A case of matricide, questions posed (with videotape recording)] Dreyfuss L, et al. **Ann Med Psychol (Paris)** 1984 Nov;142(9):1192-205 **(Fre)**

[Biomedical, ethical and legal aspects of the various modern possibilities of motherhood] Berić BM. **Med Pregl** 1984; 37(11-12):489-91 **(Scr)**

EDUCATION

A test of a common assumption regarding the use of antenatal training during labour. Copstick S, et al. **J Psychosom Res** 1985;29(2):215-8

PSYCHOLOGY

Mothers' perceptions of problems of feeding and crying behaviors. A prospective study. Forsyth BW, et al. **Am J Dis Child** 1985 Mar;139(3):269-72

Cognitive adaptations to high-risk infants: the search for mastery, meaning, and protection from future harm. Affleck G, et al. **Am J Ment Defic** 1985 May;89(6):653-6

When the baby isn't 'perfect'. Jackson PL. **Am J Nurs** 1985 Apr;85(4):396-9

The psychological impact of false positive elevations of maternal serum alpha-fetoprotein. Burton BK, et al. **Am J Obstet Gynecol** 1985 Jan 1;151(1):77-82

Social support in black, low-income, single-parent families: normative and dysfunctional patterns. Lindblad-Goldberg M, et al. **Am J Orthopsychiatry** 1985 Jan;55(1):42-58

Factors associated with parents' and professionals' perceptions of infants in an early intervention program. Affleck G, et al. **Appl Res Ment Retard** 1984;5(3):305-16

Reliability of mothers' reports of birth data. Oates RK, et al. **Aust Paediatr J** 1984 Aug;20(3):185-6

Child abuse and non-organic failure to thrive: similarities and differences in the parents. Oates RK. **Aust Paediatr J** 1984 Aug;20(3):177-80

Predictors of depressive mood in mothers of clinic-referred children. Forehand R, et al. **Behav Res Ther** 1985; 23(4):415-21

Social support and negative life events of mothers with developmentally delayed children. Brandt PA. **Birth Defects** 1984;20(5):205-44

Social support of teenage mothers. Mercer RT, et al. **Birth Defects** 1984;20(5):245-90

Predicting mothers' choice of infant feeding method. Manstead AS, et al. **Br J Soc Psychol** 1984 Sep;23 (Pt 3):223-31

A comparative study of filicidal and abusive mothers. Husain A, et al. **Can J Psychiatry** 1984 Nov;29(7):596-8

Psychiatric assessment of competency to care for a new-born. Stewart D, et al. **Can J Psychiatry** 1984 Nov;29(7):583-9

Combining motherhood with psychiatric training and practice. Stewart DE, et al. **Can J Psychiatry** 1985 Feb; 30(1):28-34

Prediction of child abuse: a prospective study of feasibility. Altemeier WA, et al. **Child Abuse Negl** 1984;8(4):393-400

Self-esteem and early background of abusive mothers. Oates RK, et al. **Child Abuse Negl** 1985;9(1):89-93

The psychological ecology of the neglectful mother. Polansky NA, et al. **Child Abuse Negl** 1985;9(2):265-75

The meaning of maternal employment for mothers and their perceptions of their three-year-old children. Alvarez WF. **Child Dev** 1985 Apr;56(2):350-60 (42 ref.)

Men and women as parents: sex role orientations, employment, and parental roles with infants. McHale SM, et al. **Child Dev** 1984 Aug;55(4):1349-61

Treat mother too—'failed' psychotherapy of an adolescent with school refusal. Menahem S, et al. **Child Psychiatry Hum Dev** 1984 Spring;14(3):170-7

Mothers of abused children. A comparison study. Oates RK, et al. **Clin Pediatr (Phila)** 1985 Jan;24(1):9-13

Maternal attitudes to fetal monitoring. Hansen PK, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Jul;20(1):43-51

Psychological effects of cardiotocographic and ultrasonographic examinations in pregnancy and labour on the mother. Part I. The significance of cardiotocographic and ultrasonographic examinations for the development of maternal bonding. Sioda T. **Ginekol Pol** 1984 Sep; 55(9):653-60

Psychological effects of cardiotocographic and ultrasonographic examinations in pregnancy and labour on the mother. Part II. The influence of cardiotocographic and ultrasonographic examinations on the maternal emotions of reassurance and pleasure. Sioda T, et al. **Ginekol Pol** 1984 Sep;55(9):661-7

Seeking urgent pediatric treatment: factors contributing to frequency, delay, and appropriateness. Turk DC, et al. **Health Psychol** 1985;4(1):43-59

Beyond support: group psychotherapy with low-income mothers. Bumagin S, et al. **Int J Group Psychother** 1985 Apr;35(2):279-94

A group program for borderline mothers and their toddlers. Holman SL. **Int J Group Psychother** 1985 Jan;35(1):79-93

Behaviourally deviant pre-school children and depressed mothers. Leader H, et al. **Ir J Med Sci** 1985 Mar; 154(3):106-9

Indiscriminate mothering as a contextual factor in aggressive-oppositional child behavior: 'damned if you do and damned if you don't'. Dumas JE, et al. **J Abnorm Child Psychol** 1985 Mar;13(1):1-17

Successful breast feeding: the mother's dilemma. Harrison MJ, et al. **J Adv Nurs** 1985 May;10(3):261-9 (151 ref.)

Mother-child relationship--FIRST score. Salariya EM, et al. **J Adv Nurs** 1984 Nov;9(6):589-95

Maternal psychopathology and perception of child behavior in psychiatrically referred and child maltreatment families. Estroff TW, et al. **J Am Acad Child Psychiatry** 1984 Nov; 23(6):649-52

Primiparas' beliefs about breast feeding. Axelson ML, et al. **J Am Diet Assoc** 1985 Jan;85(1):77-9

The professional woman as mother. **J Am Med Wom Assoc** 1985 May-Jun;40(3):73

Working and motherhood: a view of today's realities. Battle CU. **J Am Med Wom Assoc** 1985 May-Jun;40(3):74-6

The impact of working on mother and child: what are the facts? Howell M. **J Am Med Wom Assoc** 1985 May-Jun; 40(3):84-8

Considerations for the new generation. Robinson ME. **J Am Med Wom Assoc** 1985 May-Jun;40(3):89-91

Understanding and satisfying the psychological needs of infants and toddlers. Scharff JS. **J Am Med Wom Assoc** 1985 May-Jun;40(3):77-9

The professional woman as mother: insights from class differences. Smith JW, et al. **J Am Med Wom Assoc** 1985 May-Jun;40(3):80-3

The psychological, social, and medical needs of lower socioeconomic status mothers of asthmatic children. Cosper MR, et al. **J Asthma** 1985;22(3):145-58

Hyperactive and normal girls and boys: mother-child interaction, parent psychiatric status and child psychopathology. Befera MS, et al. **J Child Psychol Psychiatry** 1985 May;26(3):439-52

Depression in mothers in a multi-ethnic urban industrial municipality in Melbourne. Aetiological factors and effects on infants and preschool children. Williams H, et al. **J Child Psychol Psychiatry** 1985 Mar;26(2):277-88

Personal worth, self-esteem, anomia, hostility and irrational thinking of abusing mothers: a multivariate approach. Shorkey CT, et al. **J Clin Psychol** 1985 May;41(3):414-21

Parenting behavior and emotional status of physically abusive mothers. Lahey BB, et al. **J Consult Clin Psychol** 1984 Dec; 52(6):1062-71

Maternal beliefs and attitudes concerning diarrhoeal disease [letter] Gupte S, et al. **J Diarrhoeal Dis Res** 1983 Jun; 1(2):109

Personality and psychophysiological variables in abusive, neglectful, and low-income control mothers. Friedrich WN, et al. **J Nerv Ment Dis** 1985 Aug;173(8):449-60

Guiding students in theory development through conceptual mapping. Artinian BM. **J Nurs Educ** 1985 Apr;24(4):156-8

Mothers' use of knowledge during the first postpartum weeks. Bull M, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Jul-Aug;14(4):315-20

Mothers' postpartum perceptions of spousal relationships. Ellis DJ, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Mar-Apr;14(2):140-6

Anesthesia, analgesia for vaginal childbirth. Differences in maternal perceptions. Slavazza KL, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Jul-Aug;14(4):321-9

Body image attitudes during pregnancy and the postpartum period. Strang VR, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Jul-Aug;14(4):332-7

Problems of early infancy, formula changes, and mothers' beliefs about their infants. Forsyth BW, et al. **J Pediatr** 1985 Jun;106(6):1012-7

Personal space as a function of infant illness: an application of multidimensional scaling. Ludlow LH, et al. **J Pediatr Psychol** 1984 Sep;9(3):331-47

The motivation to breastfeed: a fit to the opponent-process theory? Myers HH, et al. **J Pers Soc Psychol** 1985 Jul; 49(1):188-93

Effects of moderator variables in reducing stress outcome in mothers of children with handicaps. Petersen P. **J Psychosom Res** 1984;28(4):337-44

Teenage pregnancy and motherhood. Wolkind SN, et al. **J R Soc Med** 1985 Feb;78(2):112-6

Expectant father's stress--due to the mother's expectations? Fishbein EG. **JOGN Nurs** 1984 Sep-Oct;13(5):325-8

Video recording in an acute care perinatology unit. Haslam RR, et al. **Med J Aust** 1985 Jun 10;142(12):628-9

Perceptions of young children with handicaps: a comparison of mothers and program staff. Beckman PJ. **Ment Retard** 1984 Aug;22(4):176-81

Psychiatric assessment of children. II. Comparison with mothers. Uddenberg G, et al. **Neuropsychobiology** 1984; 11(2):80-4

Intervention for the severely disturbed mother. Stott FM, et al. **New Dir Ment Health Serv** 1984 Dec;(24):7-32

Development of the Infant Tenderness Scale. Blank DM. **Nurs Res** 1985 Jul-Aug;34(4):211-6

A theoretical model of support network conflict experienced by new mothers. Crawford G. **Nurs Res** 1985 Mar-Apr; 34(2):100-2

The process of maternal role attainment over the first year. Mercer RT. **Nurs Res** 1985 Jul-Aug;34(4):198-204

Pediatric clinicians' support for parents makes a difference: an outcome-based analysis of clinician-parent interaction. Wasserman RC, et al. **Pediatrics** 1984 Dec;74(6):1047-53

Culture's influence in Japanese and American maternal role perception and confidence. Shand N. **Psychiatry** 1985 Feb; 48(1):52-67

Parents' beliefs about themselves as parents of a new infant: instrument development. Pridham KF, et al. **Res Nurs Health** 1985 Mar;8(1):19-29

Occupational commitment and the quality of maternal infant interaction. Riesch SK. **Res Nurs Health** 1984 Dec; 7(4):295-303

The birth of a child with a congenital anomaly. Part I. Some difficulties experienced by parents in the maternity home. de Wet B, et al. **S Afr Med J** 1985 Feb 23;67(8):292-6

Social support and mental health among mothers of preschool and school age children. D'Arcy C, et al. **Soc Psychiatry** 1984;19(4):155-62

Stress, social support and affective disorders in mothers of pre-school children--a test of the stress-buffering effect of social support. Solomon Z. **Soc Psychiatry** 1985; 20(2):100-5

Sources of influence on infant feeding practices in Hong Kong. Hung BK, et al. **Soc Sci Med** 1985;20(11):1143-50

Long-term reactions following a stillbirth with a congenital abnormality: a preliminary report. Morris J, et al. **Z Kinderchir** 1984 Dec;39 Suppl 2:117-9

[Is it necessary to be normal to have 'normal' children?] Jeammet N. **Psychiatr Enfant** 1985;28(1):221-58 **(Fre)**

[Determination of prosocial attitudes of mothers for the evaluation of familial socialization for brain-damaged children] Mladek G, et al. **Arztl Jugendkd** 1985 Apr; 76(2):119-25 (Eng. Abstr.) **(Ger)**

[The single mother raising children alone] Trube-Becker E. **Off Gesundheitswes** 1985 Mar;47(3):106-10 **(Ger)**

MOTHS see under **LEPIDOPTERA**

MOTILIN see under **GASTROINTESTINAL HORMONES**

MOTION

see related
MOVEMENT

Correlation between stereo ability and the recovery of structure-from-motion. Richards W, et al. **Am J Optom Physiol Opt** 1985 Feb;62(2):111-8

The effects of ankle guards and taping on joint motion before, during, and after a squash match. Myburgh KH, et al. **Am J Sports Med** 1984 Nov-Dec;12(6):441-6

Motion and deformation of a red blood cell in a shear flow: a two-dimensional simulation of the wall effect. Sugihara M. **Biorheology** 1985;22(1):1-19

An improvised passive motion apparatus. Sachs BL, et al. **Clin Orthop** 1985 Apr;(194):205-6

The pattern of hammer speed during a hammer throw and influence of gravity on its fluctuations. Dapena J. **J Biomech** 1984;17(8):553-9

Study of cradle and pendulum motion for applications to health care. Frisina W. **J Biomech** 1984;17(8):573-7

Simulation of javelin flight using experimental aerodynamic data. Hubbard M, et al. **J Biomech** 1984;17(10):769-76

Optimal javelin trajectories. Hubbard M. **J Biomech** 1984; 17(10):777-87

The motion of floating and submerged objects in the Chattahoochee River, Atlanta, GA. Dilen DR. **J Forensic Sc** 1984 Oct;29(4):1027-37

A study of continuous cranking motion. Raouf A, et al. **J Hum Ergol (Tokyo)** 1984 Sep;13(1):51-61

Inferring the relative three-dimensional positions of two moving points. Hoffman DD, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):350-3

Structure from stereo and motion. Richards W. **J Opt Soc Am [A]** 1985 Feb;2(2):343-9

Clinical application of basic research on continuous passive motion for disorders and injuries of synovial joints: a preliminary report of a feasibility study. Salter RB, et al. **J Orthop Res** 1984;1(3):325-42

Automated measurement systems for clinical motion analysis. Medeiros J. **Phys Ther** 1984 Dec;64(12):1846-50

Verification and evaluation of internal flow and motion. True magnetic resonance imaging by the phase gradient modulation method. Moran PR, et al. **Radiology** 1985 Feb; 154(2):433-41

Visual flow and direction of locomotion. Priest HN, et al. **Science** 1985 Mar 1;227(4690):1063-5

MOTION PERCEPTION

Effect of a concurrent counting task on dynamic visual accommodation. Malmstrom FV, et al. **Am J Optom Physiol Opt** 1984 Sep;61(9):590-4

Measures of displacement and type of background in apparent motion with random-dot cinematograms. Lenel JC, et al. **Am J Psychol** 1984 Winter;97(4):563-81

Blink reflex as a parameter of human operator's functional state. Simonov PV, et al. **Aviat Space Environ Med** 1985 Aug;56(8):783-5

The development of infant sensitivity to biomechanical motions. Bertenthal BI, et al. **Child Dev** 1985 Jun; 56(3):531-43

The developmental importance of motion information in perceiving and describing metaphoric similarity. Dent CH. **Child Dev** 1984 Aug;55(4):1607-13

The development of sensitivity to causally relevant dynamic information. Kaiser MK, et al. **Child Dev** 1984 Aug; 55(4):1614-24

Learning to track predictable target waveforms without a time delay. McHugh DE, et al. **Invest Ophthalmol Vis Sci** 1985 Jul;26(7):932-7

Qualitative influence on the perception of movement: an experimental study. Mintz LI, et al. **J Abnorm Child Psychol** 1985 Mar;13(1):143-53

The role of self-produced movement and visual tracking in infant spatial orientation. Acredolo LP, et al. **J Exp Child Psychol** 1984 Oct;38(2):312-27

Induced self-motion in central vision. Andersen GJ, et al. **J Exp Psychol [Hum Percept]** 1985 Apr;11(2):122-32

A limitation of position constancy. Becklen R, et al. **J Exp Psychol [Hum Percept]** 1984 Oct;10(5):713-23

Shape and depth perception from parallel projections of three-dimensional motion. Braunstein ML, et al. **J Exp Psychol [Hum Percept]** 1984 Dec;10(6):749-60

Induced motion and oculomotor capture. Mack A, et al. **J Exp Psychol [Hum Percept]** 1985 Jun;11(3):329-45

Vector analysis and process combination in motion perception. Wallach H, et al. **J Exp Psychol [Hum Percept]** 1985 Feb;11(1):93-102

Deficits in visual motion processing following ibotenic acid lesions of the middle temporal visual area of the macaque monkey. Newsome WT, et al. **J Neurosci** 1985 Mar; 5(3):825-40

Spatial and temporal parameters of motion detection in the peripheral visual field. Koenderink JJ, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):252-9

Detection and discrimination of sinusoidal grating displacements. Nakayama K, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):267-74

Elaborated Reichardt detectors. van Santen JP, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):300-21

Displacement thresholds for motion detection under conditions of chromatic adaptation. Barbur JL, et al. **Ophthalmic Physiol Opt** 1985;5(1):5-13

Rotation of space-time plane predicts a new illusion of spatial displacement. Brigner WL. **Percept Mot Skills** 1984 Oct; 59(2):359-69

A computational approach to visual recognition of arm movements. Vaina L, et al. **Percept Mot Skills** 1985 Feb; 60(1):203-28

Discrimination of velocities and mechanisms of motion perception. Bonnet C. **Perception** 1984;13(3):275-82

The 'shrinking circle illusion' is a shrinking ellipse. Bradley DR, et al. **Perception** 1984;13(2):207-12

A counterexample to the rigidity assumption in the visual perception of structure from motion. Braunstein ML, et al. **Perception** 1984;13(2):213-7

The relationship between space and time in the perception of stimuli moving behind a slit. Casco C, et al. **Perception** 1984;13(4):429-41

The waggon-wheel effect. Finlay D, et al. **Perception** 1984; 13(3):237-48

Low-level and high-level processes in the perceptual organization of three-dimensional apparent motion. Gerbino W. **Perception** 1984;13(4):417-28

A self-maintained Pulfrich pendulum (apparatus note). Gregory RL. **Perception** 1984;13(5):633-4

The role of pattern and flicker mechanisms in determining the spatiotemporal limits of velocity perception. 2. The lower movement threshold. Harris MG. **Perception** 1984; 13(4):409-15

The role of pattern and flicker mechanisms in determining the spatiotemporal limits of velocity perception. 1. Upper movement thresholds. Harris MG. **Perception** 1984; 13(4):401-7

Color logic of apparent motion. Kolers PA, et al. **Perception** 1984;13(3):249-54

Independent processing of visual form and motion. Krumhansl CL. **Perception** 1984;13(5):535-46

Spatiotemporal continuity and the perception of causality in infants. Leslie AM. **Perception** 1984;13(3):287-305

A three-dimensional motion aftereffect produced by prolonged adaptation to a rotation simulation. Petersik JT, et al. **Perception** 1984;13(4):489-97

Upside-down presentation of the Johansson moving light-spot pattern. Sumi S. **Perception** 1984;13(3):283-6

Rigidity and misperceived motion. Ullman S. **Perception** 1984;13(2):219-20

Maximizing rigidity: the incremental recovery of 3-D structure from rigid and nonrigid motion. Ullman S. **Perception** 1984;13(3):255-74

Visual dissociations of movement, position, and stereo depth: some phenomenal phenomena. Gregory RL, et al. **Q J Exp Psychol [A]** 1983 Feb;35 (Pt 1):217-37

[Effect of the structure of space in the identification of a sense of movement in stroboscopic light] Cavallo V, et al. **Can J Psychol** 1984 Sep;38(3):402-10 (Eng. Abstr.) **(Fre)**

[Stroboscopic rotation in depth and form properties, orientation of stimulus and the position of fixation] Ohmura H. **Shinrigaku Kenkyu** 1984 Oct;55(4):246-9 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The velocity-response curves of the cat's superior colliculus neurons. Sarna MF, et al. **Acta Neurobiol Exp (Warsz)** 1984; 44(3):89-103

Learned stimulation in space and motion perception. Wallach H. **Am Psychol** 1985 Apr;40(4):399-404 (20 ref.)

Otolith tilt-translation reinterpretation following prolonged weightlessness: implications for preflight training. Parker DE, et al. **Aviat Space Environ Med** 1985 Jun;56(6):601-6

Studies of some new phenomena of motion perception. Prazdny K. **Biol Cybern** 1985;52(3):187-94

A model for direction selectivity in threshold motion perception. Wilson HR. **Biol Cybern** 1985;51(4):213-22

Responses of pulvinar neurons to real and self-induced stimulus movement. Robinson DL, et al. **Brain Res** 1985 Jul 15;338(2):392-4

Developmentally induced loss of direction-selective neurons in the cat's lateral suprasylvian visual cortex. Spear PD, et al. **Brain Res** 1985 Jun;352(2):281-5

Caudate unit activity in freely moving cats: effects of phasic auditory and visual stimuli. Strecker RE, et al. **Brain Res** 1985 Mar 11;329(1-2):350-3

Mechanisms of epileptogenesis in photosensitive epilepsy implied by the effects of moving patterns. Binnie CD, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):1-6

Direction selectivity of simple cells in cat striate cortex to moving light bars. I. Relation to stationary flashing bar and moving edge responses. Peterhans E, et al. **Exp Brain Res** 1985;57(3):512-22

Direction selectivity of simple cells in cat striate cortex to moving light bars. II. Relation to moving dark bar responses. Yamane S, et al. **Exp Brain Res** 1985; 57(3):523-36

Simple and B-cells in cat striate cortex. Complementarity of responses to moving light and dark bars. Maske R, et al. **J Neurophysiol** 1985 Mar;53(3):670-85

Spatiotemporal energy models for the perception of motion. Adelson EH, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):284-99

Visual processing of moving stimuli. Kelly DH. **J Opt Soc Am [A]** 1985 Feb;2(2):216-25 (45 ref.)

Sequential recruitment in the discrimination of velocity. McKee SP, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):243-51

Visual responses to vorticity and the neural analysis of optic flow. Regan D, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):280-3

Discontinuity limits for the generation of visual motion aftereffects with sine- and square-wave gratings. Turano K, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):260-6

Model of human visual-motion sensing. Watson AB, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):322-41

Spatial-frequency characteristics of neurones of area 18 in the cat: dependence on the velocity of the visual stimulus. Bisti S, et al. **J Physiol (Lond)** 1985 Feb;359:259-68

Speed discrimination and its relation to involuntary eye movements in human vision. Barbur JL. **Neurosci Lett** 1985 Feb 28;54(1):7-12

Differences in direction specificity of receptive fields in upper and lower layers of the cat's prestriate area 18. Bauer R, et al. **Neurosci Lett** 1985 Feb 28;54(1):59-63

Responses of the nucleus of the optic tract neurons projecting to the nucleus reticularis tegmenti pontis upon optokinetic stimulation in the rabbit. Maekawa K, et al. **Neurosci Res** 1984 Dec;2(1-2):1-25

The influence of adapting velocity and luminance on the movement after-effect. Buckingham T, et al. **Ophthalmic Physiol Opt** 1985;5(2):117-24

Effect of imposed step-movements and pulse-movements of the retinal image on perception of hue with coloured targets. Ditchburn RW, et al. **Ophthalmic Physiol Opt** 1985; 5(2):107-16

The visual ambiguity of a moving plane. Longuet-Higgins HC. **Proc R Soc Lond [Biol]** 1984 Dec 22;223(1231):165-75

Eccentricity-dependent scaling of the limits for short-range apparent motion perception. Baker CL Jr, et al. **Vision Res** 1985;25(6):803-12

Beyond the displacement limit: an analysis of short-range processes in apparent motion. Bischof WF, et al. **Vision Res** 1985;25(6):839-47

Cooperative phenomena in apparent movement perception of random-dot cinematograms. Chang JJ, et al. **Vision Res** 1984;24(12):1781-8

Visual thresholds for shearing motion in monkey and man. Golomb B, et al. **Vision Res** 1985;25(6):813-20

Perceptual bistability with counterphase gratings. Gorea A, et al. **Vision Res** 1984;24(10):1321-31

Movement adaptation in the peripheral retina. Hunzelmann N, et al. **Vision Res** 1984;24(12):1765-9

Lower thresholds of motion for gratings as a function of eccentricity and contrast. Johnston A, et al. **Vision Res** 1985;25(2):179-85

Neural interactions of two moving patterns in the direction and orientation domain in the complex cells of cat's visual cortex. Kaji S, et al. **Vision Res** 1985;25(6):749-53

Voluntary selection of the target for smooth eye movement in the presence of superimposed, full-field stationary and moving stimuli. Kowler E, et al. **Vision Res** 1984; 24(12):1789-98

Illusory motion in visual displays. Lelkens AM, et al. **Vision Res** 1984;24(9):1083-90

Saturation in a wide-field, directionally selective movement detection system in fly vision. Lenting BP, et al. **Vision Res** 1984;24(10):1341-7

Spatial and velocity tuning of processes underlying induced motion. Levi DM, et al. **Vision Res** 1984;24(10):1189-95

Responses of visual cells in cat superior colliculus to relative pattern movement. Mandl G. **Vision Res** 1985;25(2):267-81

Luminance change generates apparent movement: implications for models of directional specificity in the human visual system. Mather G. **Vision Res** 1984; 24(10):1399-405

A motion aftereffect from an isoluminant stimulus. Mullen KT, et al. **Vision Res** 1985;25(5):685-8

Biological image motion processing: a review. Nakayama K. **Vision Res** 1985;25(5):625-60 (272 ref.)

Optokinetic and vection responses to apparent motion in man. Schor CM, et al. **Vision Res** 1984;24(10):1181-7

The influence of background motion on the motion aftereffect. Smith AT, et al. **Vision Res** 1984;24(9):1075-82

Responsiveness of Clare-Bishop neurons to visual cues associated with motion of a visual stimulus in three-dimensional space. Toyama K, et al. **Vision Res** 1985; 25(3):407-14

The relationship of displacement thresholds for oscillating gratings to cortical magnification, spatiotemporal frequency and contrast. Wright MJ, et al. **Vision Res** 1985; 25(2):187-93

[Global matching and local matching in perceiving velocity changes] Tayama T. **Shinrigaku Kenkyu** 1984 Dec; 55(5):275-81 (Eng. Abstr.) **(Jpn)**

[Illusory color in observing moving black and white bands] Podvigin NF, et al. **Fiziol Cheloveka** 1984 Mar-Apr; 10(2):328-30 **(Rus)**

[Characteristics of depth vision in perceiving the relative movement of objects] Zhuchenko IP. **Fiziol Cheloveka** 1984

Jan–Feb;10(1):168–9 **(Rus)**

[Directional selectivity of the neurons of the superior colliculi in the cat: the effect of the rate of movement of a stimulus] Novikov GI, et al. **Fiziol Zh SSSR** 1984 Oct;70(10):1436–41 (Eng. Abstr.) **(Rus)**

[Organization of the substructure of the receptive fields of neurons of the lateral suprasylvian area of the cat cortex] Dzhavadian RL, et al. **Neirofiziologiia** 1985;17(3):293–300 (Eng. Abstr.) **(Rus)**

[Mechanism of directional selectivity of neurons with complex receptive fields in the visual cortex of the cat] Stabinite DIu, et al. **Neirofiziologiia** 1984;16(4):505–12 (Eng. Abstr.) **(Rus)**

MOTION PICTURES

see related
CINEANGIOGRAPHY
CINERADIOGRAPHY

Three-dimensional cinematographic analysis of water polo throwing in elite performers. Whiting WC, et al. **Am J Sports Med** 1985 Mar–Apr;13(2):95–8

Direct visualization of particle velocity distribution by pseudostereoscopic viewing of time-lapsed sequential images: application to fast axonal transport. Hodge AJ, et al. **Cell Motil** 1984;4(4):231–9

Automated analysis of human sperm motility. Schoëvaërt-Brossault D. **Comput Biomed Res** 1984 Aug;17(4):362–75

Correction for 'three-dimensional cinematography with control object of unknown shape [letter] Dapena J. **J Biomech** 1985;18(2):163

Dramatic induction of depressive mood. van Rooijen L, et al. **J Clin Psychol** 1984 Nov;40(6):1318–22

Images of the medical profession in the movies. Shale R. **Ohio State Med J** 1984 Nov;80(11):775–9

Medicine in the movies. Girone JA. **Postgrad Med** 1985 Jun;77(8):205, 208–9, 211

Smoking cessation with young women in public family planning clinics: the impact of physician messages and waiting room media. Li VC, et al. **Prev Med** 1984 Sep;13(5):477–89

Film as dream: Alfred Hitchcock's Rear Window. Benton RJ. **Psychoanal Rev** 1984 Nov;71(3):483–500

Countertransference in the movies. Gabbard GO, et al. **Psychoanal Rev** 1985 Spring;72(1):171–84

Vicissitudes of narcissism in the cinematic autobiography. Gabbard GO, et al. **Psychoanal Rev** 1984 Sep;71(2):319–28

[Improvement of the microcinematography technic for the study of cell cycles] Gueulette J, et al. **Arch Int Physiol Biochim** 1984 Oct;92(3):233–9 (Eng. Abstr.) **(Fre)**

MOTION SICKNESS

CHEMICALLY INDUCED

A cholinomimetic model of motion sickness and space adaptation syndrome. Janowsky DS, et al. **Aviat Space Environ Med** 1984 Aug;55(8):692–6

The effect of a susceptibility to motion sickness on the side effects of cancer chemotherapy. Morrow GR. **Cancer** 1985 Jun 15;55(12):2766–70

DRUG THERAPY

The effects of TTS-scopolamine, dimenhydrinate, lidocaine, and tocainide on motion sickness, vertigo, and nystagmus. Pyykkö I, et al. **Aviat Space Environ Med** 1985 Aug;56(8):777–82

Effects of some motion sickness suppressants on static and dynamic tracking performance. Schroeder DJ, et al. **Aviat Space Environ Med** 1985 Apr;56(4):344–50

Evaluation of antimotion sickness drug side effects on performance. Wood CD, et al. **Aviat Space Environ Med** 1985 Apr;56(4):310–6

Seasickness treatment with cinnarizine. Dolmierski R. **Bull Inst Marit Trop Med Gdynia** 1983;34(3–4):215–6

Influence of transdermal scopolamine on motion sickness during 7 days' exposure to heavy seas. van Marion WF, et al. **Clin Pharmacol Ther** 1985 Sep;38(3):301–5

Effects of transdermal scopolamine upon psychological test performance at sea. Parrott AC, et al. **Eur J Clin Pharmacol** 1985;28(4):419–23

Transdermal scopolamine in motion sickness. Cronin CM, et al. **Pharmacotherapy** 1982 Jan–Feb;2(1):29–31

ETIOLOGY

Experimental motion sickness induced in squirrel monkeys by continuous off-axis horizontal rotation. Wilpizeski CR, et al. **Am J Otolaryngol** 1985 Jan–Feb;6(1):1–22

Neurohumoral hypothesis of motion-induced vomiting. Communication. Contrucci RB, et al. **Ann Otol Rhinol Laryngol** 1985 May–Jun;94(3):322–3

Space motion sickness: etiological hypotheses and a proposal for diagnostic clinical examination. Leigh RJ, et al. **Aviat Space Environ Med** 1985 May;56(5):469–73

A statistical analysis of motion sickness incidence data. Mauro CA, et al. **Aviat Space Environ Med** 1983 Mar;54(3):253–7

Psychology of spaceflight: II. Suggested bases of space motion sickness: perceptual disorientation and elevated stomach pH. Stewart R. **Percept Mot Skills** 1985 Feb;60(1):189–90

Space flight: III. Isolation of perceptual variable in parabola flight sickness with countermeasure to lower gastric pH. Stewart R. **Percept Mot Skills** 1985 Jun;60(3):960–2

Recent advances in experimental motion sickness. Wilpizeski CR. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter;37(2):214–22 (49 ref.)

[Participation of endogenous opioid peptides in the pathogenesis of motion sickness] Iasnetsov VV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):164–7 (Eng. Abstr.) **(Rus)**

[Labyrinthine and extralabyrinthine mechanisms of the development of motion sickness in weightlessness] Egorov AD, et al. **Kosm Biol Aviakosm Med** 1985 Mar–Apr;19(2):4–11 (35 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A misconception of motion sickness leads to false therapeutic expectations. Borison HL. **Aviat Space Environ Med** 1985 Jan;56(1):66–8

A stimulator for laboratory studies of motion sickness in cats. Crampton GH, et al. **Aviat Space Environ Med** 1985 May;56(5):462–5

Another function of the inner ear: facilitation of the emetic response to poisons. Money KE, et al. **Aviat Space Environ Med** 1983 Mar;54(3):208–11

Otolith tilt-translation reinterpretation following prolonged weightlessness: implications for preflight training. Parker DE, et al. **Aviat Space Environ Med** 1985 Jun;56(6):601–6

Susceptibility to motion sickness and the development of anticipatory nausea and vomiting in cancer patients undergoing chemotherapy. Morrow GR. **Cancer Treat Rep** 1984 Sep;68(9):1177–8

Space sickness. Talbot JM, et al. **Physiologist** 1984 Dec;27(6):423–9

Space motion sickness and space vestibulology. Igarashi M, et al. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:228–36

[Dynamics of the changes in the statistical indices of the cardiac rhythm of persons with various degrees of susceptibility to motion sickness] Markarian SS, et al. **Fiziol Cheloveka** 1985 Jan–Feb;11(1):157–8 **(Rus)**

[Human susceptibility to motion sickness in combined vestibular and optokinetic stimulation with a reduced field of vision] Lapaev EV, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jul–Aug;(4):496–500 (Eng. Abstr.) **(Rus)**

[Effect of experimental motion sickness on postrotatory nystagmus and the illusion of counterrotation] Aizikov GS, et al. **Kosm Biol Aviakosm Med** 1985 Mar–Apr;19(2):89–91 **(Rus)**

PREVENTION & CONTROL

Efficacy of phosphatidylcholine in the modulation of motion sickness susceptibility. Kohl RL, et al. **Aviat Space Environ Med** 1985 Feb;56(2):125–8

Transderm scopolamine efficacy related to time of application prior to the onset of motion. Levy GD, et al. **Aviat Space Environ Med** 1985 Jun;56(6):591–3

Carbonic anhydrase inhibitors for prevention of space motion sickness: an avenue of investigation. Martin NF. **Aviat Space Environ Med** 1984 Dec;55(12):1148–50

Transdermal therapeutic system scopolamine (TTSS), dimenhydrinate, and placebo—a comparative study at sea. Noy S, et al. **Aviat Space Environ Med** 1984 Nov;55(11):1051–4

[Prevention of motion sickness with a transdermal therapeutic system containing scopolamine. A randomized, comparative double-blind study in the German Federal Navy] Becker G, et al. **Dtsch Med Wochenschr** 1984 Dec 7;109(49):1881–5 (Eng. Abstr.) **(Ger)**

[Transdermally applied scopolamine for continuous prevention of motion sickness. Revival of a 150-year-old method] Becker G. **Schweiz Rundsch Med Prax** 1985 Mar 12;74(11):271–6 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Behavioral conditioning and experimental motion-induced sickness. Wilpizeski CR, et al. **Am J Otolaryngol** 1985 Jul–Aug;6(4):258–63

MOTIVATION

see related
LIBIDO

Patient motives and fulfillment of motives in renewal of complete dentures. Berg E, et al. **Acta Odontol Scand** 1984 Aug;42(4):235–40

High incentive effects on vigilance performance during 72 hours of total sleep deprivation. Horne JA, et al. **Acta Psychol (Amst)** 1985 Feb;58(2):123–39

The effects of effort on stroop interference. MacKinnon DP, et al. **Acta Psychol (Amst)** 1985 Mar;58(3):225–35

Behavioral treatment of obesity with monetary contracting: two-year follow-up. Jeffery RW, et al. **Addict Behav** 1984;9(3):311–3

Reasons for smoking among extremely heavy smokers. Linn MW, et al. **Addict Behav** 1985;10(2):197–201

Motivating institutionalized adolescents for psychotherapy. Ranieri DJ. **Adolescence** 1984 Winter;19(76):925–33 (17 ref.)

Evidence for impersistence in young male alcoholics. Alterman AI, et al. **Alcoholism (NY)** 1984 Sep–Oct;8(5):448–50

Academic motivation to improve writing skills: a comparison of normally hearing and hearing-impaired students. Hayes-Scott FC, et al. **Am Ann Deaf** 1984 Nov;129(5):431–4

Effects of vibratory, edible, and social reinforcement on performance of institutionalized mentally retarded individuals. Ottenbacher K, et al. **Am J Ment Defic** 1984 Sep;89(2):201–4

Behavior therapy of anxiety disorders: motivating the resistant patient. Hanrahan M, et al. **Am J Psychother** 1984 Oct;38(4):533–40

Is there life after tenure? Ludwig AM. **Am J Psychother** 1985 Jan;39(1):48–56

Controllability and predictability in acquired motivation. Mineka S, et al. **Annu Rev Psychol** 1985;36:495–529 (208 ref.)

Properties of attitude response systems in analytic-dynamic motivation research. Delhees KH. **Arch Psychol (Frankf)** 1985;137(2):123–33

Differences between males and females in motives for engaging in sexual intercourse. Carroll JL, et al. **Arch Sex Behav** 1985 Apr;14(2):131–9

Effect of motivation on the oral health of French schoolchildren. Kerebel LM, et al. **ASDC J Dent Child** 1985 Jul–Aug;52(4):287–92

Persistence of working memory of rats in an aversively motivated radial maze task. Bolhuis JJ, et al. **Behav Brain Res** 1985 Jan;15(1):43–9

Acute and chronic stress effects on performance in a forced-swim task. Prince CR, et al. **Behav Neural Biol** 1984 Nov;42(2):99–119

A sociological analysis of commitment generation in Alcoholics Anonymous. Donovan ME. **Br J Addict** 1984 Dec;79(4):411–8

Focal changes in cerebral blood flow produced by monetary incentive during a mental mathematics task in normal and depressed subjects. Warren LR, et al. **Brain Cogn** 1984 Jan;3(1):71–85

Pain and potential space. Toward a clinical theory of meaning. Hubner MK. **Bull Menninger Clin** 1984 Sep;48(5):443–54

Compliance and motivation in cardiac exercise programs. Oldridge NB, et al. **Clin Sports Med** 1984 Apr;3(2):443–54 (25 ref.)

The effects of prenatal exposure to predictable or unpredictable stress on early development in the rat. Fride E, et al. **Dev Psychobiol** 1984 Nov;17(6):651–60

Striving for excellence––unlocking staff potential. Part 1. Christopher K. **Dimens Health Serv** 1985 Feb;62(2):39

Patient motivation in the treatment of migraine. A non-medicinal study. Gallagher RM, et al. **Headache** 1984 Sep;24(5):269–71

Strategies in working with chronically unemployed mental patients. Hsia H, et al. **Hosp Community Psychiatry** 1985 Jul;36(7):777–9

Motivation among forensic patients facing trial [letter] Savitsky JC, et al. **Hosp Community Psychiatry** 1985 Mar;36(3):301–2

Some constructive caveats on action psychology and the study of intention. Baltes PB. **Hum Dev** 1984;27(3–4):135–8

The development of affective schemata. Boesch EE. **Hum Dev** 1984;27(3–4):173–83

Action development and development through action. Brandtstädter J. **Hum Dev** 1984;27(3–4):115–8

Action, intention, and intersubjectivity. Chapman M. **Hum Dev** 1984;27(3–4):139–44

Intentional action as a paradigm for developmental psychology: a symposium. Chapman M. **Hum Dev** 1984;27(3–4):113–4

The essentials of action theory: a framework for discussion. Eckensberger LH, et al. **Hum Dev** 1984;27(3–4):166–72

Action theory, control and motivation: a symposium. Eckensberger LH, et al. **Hum Dev** 1984;27(3–4):163–5

Skill learning as a concept in life-span developmental psychology: an action theoretic analysis. Frese M, et al. **Hum Dev** 1984;27(3–4):145–62

A developmental interpretation of Habermas's concept of communicative action. Furth H. **Hum Dev** 1984;27(3–4):183–7

Action theory, language, and the unconscious. Harris AE. **Hum Dev** 1984;27(3–4):196–210

An action-theoretical reconstruction of the development of social-cognitive competence. Keller M, et al. **Hum Dev** 1984;27(3–4):211–20

The social basis of intentional action. Meacham JA. **Hum Dev** 1984;27(3–4):119–24

From intention to action: the role of rule knowledge in the development of self-regulation. Mischel HN. **Hum Dev** 1984;27(3–4):124–9

Reflections on action theory and distancing theory. Sigel IE. **Hum Dev** 1984;27(3–4):188–93

Control beliefs in an action perspective. Skinner EA, et al. **Hum Dev** 1984;27(3–4):129–33

The multiple levels of analysis in a theory of action. Wertsch JV, et al. **Hum Dev** 1984;27(3–4):193–6

Single mind and social mind. Youniss J. **Hum Dev** 1984;27(3–4):133–5

Considering motivation and ability for drug use intervention: some implications. Einstein S. **Int J Addict** 1984 Sep;19(6):697–700

Responsibility, unconscious motivation, and social order.

Eagle MN. **Int J Law Psychiatry** 1983;6(3–4):263–91

Motivation, vocational interests and job satisfaction of mentally retarded adults. Reiter S, et al. **Int J Rehabil Res** 1985;8(1):19–28

The influence of motivation on a plaque control program for handicapped children. Udin RD, et al. **J Am Dent Assoc** 1984 Oct;109(4):591–3

Effect of gaming on absenteeism rate. Vassar ML, et al. **J Am Diet Assoc** 1985 May;85(5):602–4

The two concepts of action and responsibility in psychoanalysis. Schwartz W. **J Am Psychoanal Assoc** 1984; 32(3):557–72

Reducing noncompliance to follow-up appointment keeping at a family practice center. Rice JM, et al. **J Appl Behav Anal** 1984 Fall;17(3):303–11

A lottery procedure to obtain alcoholics' self-reports after discharge. Eriksen L, et al. **J Behav Ther Exp Psychiatry** 1984 Jun;15(2):147–51

Motivation in childhood autism: can they or won't they? Koegel RL, et al. **J Child Psychol Psychiatry** 1985 Mar; 26(2):185–91 (30 ref.)

Motivation to obtain self-relevant feedback in depressed college students. Gasparikova-Krasnec M, et al. **J Clin Psychol** 1984 Sep;40(5):1190–3

Hopelessness, social desirability, and suicidal behavior: a need for conceptual and empirical disentanglement. Holden RR, et al. **J Clin Psychol** 1984 Nov;40(6):1342–5

Motivational deficit in depressed cancer patients. Layne C, et al. **J Clin Psychol** 1985 Mar;41(2):139–44

Performance of goldfish (Carassius auratus) in patterned sequences of rewarded and nonrewarded trials. Couvillon PA. **J Comp Psychol** 1984 Sep;98(3):333–44

Assessment of the impact of monetary incentives upon smoking behavior. Kassaye WW. **J Drug Educ** 1984; 14(2):109–18

Conditioned suppression tests of the context-blocking hypothesis: testing in the absence of the preconditioned context. Ayres JJ, et al. **J Exp Psychol [Anim Behav]** 1985 Jan;11(1):1–14

Personality and self-motivation during biochemical fatigue. DeMeersman RE, et al. **J Human Stress** 1984 Fall; 10(3):146–50

Creating a climate for excellence. Lancaster J. **J Nurs Adm** 1985 Jan;15(1):16–9

Fostering conditions that inspire inquiry. Wilson HS. **J Nurs Adm** 1985 Jun;15(6):8–9

Subjective past, present, and future fit: effects on anxiety depression, and other indicators of well-being. Caplan RD, et al. **J Pers Soc Psychol** 1985 Jan;48(1):180–97

Effect of extrinsic incentives on use of test anxiety as an anticipatory attributional defense: playing it cool when the stakes are high. Greenberg J, et al. **J Pers Soc Psychol** 1984 Nov;47(5):1136–45

The motivation to breastfeed: a fit to the opponent-process theory? Myers HH, et al. **J Pers Soc Psychol** 1985 Jul; 49(1):188–93

Assessing the validity of the achievement motive in the presence of random measurement error. Reuman DA, et al. **J Pers Soc Psychol** 1984 Dec;47(6):1347–62

Psychological differences between adolescent smoking intenders and nonintenders. Tucker LA. **J Psychol** 1984 Sep;118(1ST Half):37–43

Cognitive factors in the performance level of chronic low back pain patients. Schmidt AJ. **J Psychosom Res** 1985; 29(2):183–9

Personal versus impersonal methods for recruiting blood donations. Jason LA, et al. **J Soc Psychol** 1984 Jun;123(1ST Half):139–40

Relationship between reasons for drinking and customary drinking behavior. Cutter HS, et al. **J Stud Alcohol** 1984 Jul;45(4):321–5

Feeding practices in Europe: beliefs and motivations––and possibilities for change. Helsing E. **J Trop Pediatr** 1984 Oct;30(5):244–52

Simple safety incentive programs easier with planning, organization. Griggs J. **Occup Health Saf** 1985 Apr; 54(4):54–6

Effects of orienting instructions, monetary incentives, and sex of listeners on listening comprehension. Sewell EH Jr. **Percept Mot Skills** 1985 Apr;60(2):511–4

Monetary inducement to research participation. Palmer WE. **Pharos** 1985 Winter;48(1):26–30

An empirical study of the structure of the patrol/marking motivational system in the rat. Lee S, et al. **Physiol Behav** 1984 Apr;32(4):565–73

A motivational analysis of ambivalent actions in the agonistic behaviour of rats in tests used to study effects of drugs on aggression. Van der Poel AM, et al. **Prog Clin Biol Res** 1984;167:115–35

The sexual experience: a motivational analysis. Bernal y del Rio V. **Psychiatr J Univ Ottawa** 1984 Dec;9(4):196–206

The importance of motivating radiology department employees. Kowalczyk N. **Radiol Technol** 1984 Sep–Oct; 56(1):13–6

Vocabularies of motive and suicide. Stephens BJ. **Suicide Life Threat Behav** 1984 Winter;14(4):243–53

[Dental hygiene and motivation of 250 subjects in a prenatal clinic] Kohl J. **Rev Belge Med Dent** 1985 Jan–Feb;40(1):22 (Eng. Abstr.) **(Fre)**

[Obesity in children: the pitfalls of dieting] Adam A, et al. **Rev Med Liege** 1985 Jan 15;40(2):61–7 **(Fre)**

[Motivation and compliance of andrology patents] Pusch HH. **Andrologia** 1985 Mar–Apr;17(2):194–9 (Eng. Abstr.) **(Ger)**

[Differential controlling functions of motivation and prior experience in the acquisition of psychomotor skills] Meier F. **Arch Psychol (Frankf)** 1984;136(1):77–87 (Eng. Abstr.) **(Ger)**

[Importance of events as a determinant of state orientation] Stiensmeier J. **Arch Psychol (Frankf)** 1985;137(1):1–11 (Eng. Abstr.) **(Ger)**

[Motivation and biological significance of photically evoked potentials of the visual cortex of rats] Wilke A, et al. **Biomed Biochim Acta** 1984;43(4):463–71 (Eng. Abstr.) **(Ger)**

[Emotional determinants of voice function therapy] Pfau EM. **Folia Phoniatr (Basel)** 1984;36(5):213–8 (Eng. Abstr.) **(Ger)**

[Treatment motivation of patients in orthodontics with reference to psychosomatic relations] Scholz U. **Fortschr Kieferorthop** 1985 Jan;46(1):27–43 (Eng. Abstr.) **(Ger)**

[The psychoanalytic consultation exemplified by unmotivated (e.g., psychosomatic) patients] Schubart W. **Psyche (Stuttg)** 1985 Jun;39(6):519–37 (Eng. Abstr.) **(Ger)**

[Social motives in visitors of a senior center] Heidgress H. **Z Gerontol** 1985 Jan–Feb;18(1):52–5 (Eng. Abstr.) **(Ger)**

[Vaccination: barriers and motivation] Bergler R. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Feb; 180(2–3):190–222 (Eng. Abstr.) **(Ger)**

[Relation between conditioned and unconditioned reflex components in conditioned reflex transswitching] Rudenko LP. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec;34(6):1167–9 **(Rus)**

DRUG EFFECTS

An investigation of brain reinforcement systems involved in the concurrent self-administration of food, water, and morphine. Dworkin SI, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:165–71

Neonatal androgen influences sexual motivation but not the masculine copulatory motor pattern in the rat. Morali G, et al. **Physiol Behav** 1985 Feb;34(2):267–75

Motivational properties of kappa and mu opioid receptor agonists studied with place and taste preference conditioning. Mucha RF, et al. **Psychopharmacology (Berlin)** 1985;86(3):274–80

Pimozide attenuates free feeding: best scores analysis reveals a motivational deficit. Wise RA, et al. **Psychopharmacology (Berlin)** 1984;84(4):446–51

Glutamine-induced alterations in the content of brain amino acid neurotransmitters in rats with different alcohol motivation. Ostrovsky SYu. **Subst Alcohol Actions Misuse** 1984;5(5):247–53

[Antagonism of RO 15-1788 with benzodiazepines in the effect on motivated aggression and the action of analgesics] Ostrovskaia RU, et al. **Biull Eksp Biol Med** 1985 Apr; 99(4):448–50 (Eng. Abstr.) **(Rus)**

[Effect of ethanol on central mechanisms of alimentary and defensive motivation in the rabbit] Zilov VG, et al. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec;34(6):1159–66 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The physiology of opiate hedonic effects and the role of opioids in motivated behavior. Carr KD. **Adv Alcohol Subst Abuse** 1984 Spring;3(3):5–18 (67 ref.)

The temporal structure of motivation. V. A within-episodes analysis of priming and provocation. Wagner JA, et al. **Behav Neural Biol** 1984 Jul;41(2):217–22

Schizophrenia: an amotivational syndrome in men. Lewine R. **Can J Psychiatry** 1985 Aug;30(5):316–8 (17 ref.)

Sustained attention and sustained effort after closed head injury: detection and 0.10 Hz heart rate variability in a low event rate vigilance task. Brouwer WH, et al. **Cortex** 1985 Mar;21(1):111–9

Brain potentials related to voluntary hand tracking, motivation and attention. Lang W, et al. **Hum Neurobiol** 1984;3(4):235–40

Active and passive forearm flexor tension patterns in the continuous perceptual-motor task paradigm: the significance of motivation. Svebak S. **Int J Psychophysiol** 1984 Dec;2(3):167–76

Opposite motivational effects of endogenous opioids in brain and periphery. Bechara A, et al. **Nature** 1985 Apr 11–17; 314(6011):533–4

The role of noradrenaline in tuning and dopamine in switching between signals in the CNS. Oades RD. **Neurosci Biobehav Rev** 1985 Summer;9(2):261–82

[Integrative properties of dominant motivation at the stage of afferent synthesis] Zilov VG. **Vestn Akad Med Nauk SSSR** 1985;(2):93–6 **(Rus)**

[Principle of the dominant in modern psychophysiology (on the 50th anniversary of the A. A. Ukhtomskii Physiology Institute of Leningrad State University] Batuev AS, et al. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec;34(6):1011–21 **(Rus)**

[Role of dominant motivation in organizing the functions of the higher divisions of the auditory analyzer in the cat] Komissarov VI. **Zh Vyssh Nerv Deiat** 1984 Sep–Oct; 34(5):881–7 (Eng. Abstr.) **(Rus)**

MOTOR ACTIVITY

Forced internal desynchronization between circadian temperature and activity rhythms in squirrel monkeys. Gander PH, et al. **Am J Physiol** 1985 May;248(5 Pt 2):R567–72

Motor activity of pregnant tethered sows. Cariolet R, et al. **Ann Rech Vet** 1984;15(2):257–61

An evaluation of ethological criteria and methods in the assessment of well-being in sows. Vestergaard K. **Ann Rech Vet** 1984;15(2):227–36 (86 ref.)

Tethered versus loose sows: ethological observations and measures of productivity. I. Ethological observations during pregnancy and farrowing. Vestergaard K, et al. **Ann Rech Vet** 1984;15(2):245–56

The effect of congenital Toxoplasma infection on mouse activity and relative preference for exposed areas over a series of trials. Hay J, et al. **Ann Trop Med Parasitol** 1984 Dec;78(6):611–8

Effects of gross motor activities on the severe self-injurious tantrums of multihandicapped individuals. Lancioni GE, et al. **Appl Res Ment Retard** 1984;5(4):471–82

Activity measures in anorexia nervosa. Falk JR, et al. **Arch Gen Psychiatry** 1985 Aug;42(8):811–4

Motor proficiency in dyslexic children with and without attentional disorders. Denckla MB, et al. **Arch Neurol** 1985 Mar;42(3):228–31

Behaviorally specific limb use deficits following globus pallidus lesions in rats. Schneider JS, et al. **Brain Res** 1984 Aug 13;308(2):341–6

The relation between neonatal and later activity and temperament. Korner AF, et al. **Child Dev** 1985 Feb; 56(1):38–42

The influence of metabolic cost upon the level and precision of behavioral thermoregulation in an eurythermic lizard. Campbell JD. **Comp Biochem Physiol [A]** 1985; 81(3):597–601

Synchronization of motor activity in young pigs to a non-circadian rhythm without affecting food intake and growth. Ingram DL, et al. **Comp Biochem Physiol [A]** 1985; 80(3):363–8

Motor overflow and attentional processes in normal school-age children. Waber DP, et al. **Dev Med Child Neurol** 1985 Aug;27(4):491–7

Development of locomotor activity of rat pups in figure-eight mazes. Ruppert PH, et al. **Dev Psychobiol** 1985 May;18(3):247–60

Influence of neonatal handling on blood pressure, locomotor activity, and preweanling heart rate in spontaneously hypertensive and Wistar Kyoto rats. Tucker DC, et al. **Dev Psychobiol** 1984 Nov;17(6):587–600

Electroencephalographic spectral power and lateralized motor activities. Autret A, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar; 60(3):228–36

Changes in motor activity with age and the effects of pharmacologic treatment. Jänicke B, et al. **Exp Gerontol** 1984;19(5):321–8

Spontaneous locomotor activity and life span. A test of the rate of living theory in Drosophila melanogaster. Lints FA, et al. **Gerontology** 1984;30(6):376–87

The relationship of activity level ratings and cognitive impulsivity to task performance and academic achievement. Weithorn CJ, et al. **J Child Psychol Psychiatry** 1984 Oct; 25(4):587–606

Elective mutism associated with selective inactivity. Hill L, et al. **J Commun Disord** 1985 Jun;18(3):161–7

Validation of inattention/overactivity and aggression ratings with classroom observations. Milich R, et al. **J Consult Clin Psychol** 1985 Feb;53(1):139–40

Motor programme switching in the crayfish swimmeret system. Heitler WJ. **J Exp Biol** 1985 Jan;114:521–49

Neurochemical and activity changes in rats infected with Trypanosoma brucei gambiense. Stibbs HH. **J Parasitol** 1984 Jun;70(3):428–32

The effect of the intestinal phase of Trichinella spiralis on the open-field behavior of mice. Zohar AS, et al. **J Parasitol** 1984 Dec;70(6):927–30

Physical activity and adiposity: a longitudinal study from birth to childhood. Berkowitz RI, et al. **J Pediatr** 1985 May;106(5):734–8

An unanesthetized-gerbil model of cerebral ischemia-induced behavioral changes. Chandler MJ, et al. **J Pharmacol Methods** 1985 Sep;14(2):137–46

Adenylate cyclase activity and motor behavior following cerebral ischemia in the unanesthetized gerbil. Chandler MJ, et al. **Life Sci** 1985 Sep 9;37(10):937–43

Automating the measurement of locomotor activity. Beninger RJ, et al. **Neurobehav Toxicol Teratol** 1985 Jan–Feb; 7(1):79–85

Automated measurement of multivariate locomotor behavior in rodents. Sanberg PR, et al. **Neurobehav Toxicol Teratol** 1985 Jan–Feb;7(1):87–94

Mirror movement asymmetries in congenital hemiparesis: the inhibition hypothesis revisited. Nass R. **Neurology** 1985 Jul; 35(7):1059–62

Running responses of Trichinella spiralis-infected CD-1 mice. Rau ME, et al. **Parasitology** 1984 Dec;89 (Pt 3):579–83

Behavioral support for an ACTH receptor in the CNS. Galina ZH, et al. **Peptides (Fayetteville)** 1985 Mar–Apr; 6(2):285–91

A versatile integrated circuit activity monitor for small animals. Czech DA. **Physiol Behav** 1984 May;32(5):871–4

An empirical study of the structure of the patrol/marking motivational system in the rat. Lee S, et al. **Physiol Behav** 1984 Apr;32(4):565–73

Microcomputerized measurement of the circadian locomotor rhythm in microorganisms. Tanakadate A, et al. **Physiol Behav** 1985 Feb;34(2):241–8

Schedule–induced wheel–running: effects of exposure to the schedule. White JM. **Physiol Behav** 1985 Jan;34(1):119–22

Relationship between activity at a young age and feed efficiency in chickens. Akbar MK, et al. **Poult Sci** 1985 Jul;64(7):1402–4

Set–related neuronal activity in the premotor cortex of rhesus monkeys: effects of changes in motor set. Wise SP, et al. **Proc R Soc Lond [Biol]** 1985 Jan 22;223(1232):331–54

The development of a short observation method for the study of the activity and contacts of old people in residential settings. Macdonald AJ, et al. **Psychol Med** 1985 Feb; 15(1):167–72

A study of braille reading: 2. Patterns of hand activity in one–handed and two–handed reading. Bertelson P, et al. **Q J Exp Psychol** [A] 1985 May;37(2):235–56

Long–lasting motor depression as a consequence of a single session of inescapable shocking. Golda V, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1983;26(5):517–33

Clinical observation of high–risk children. Nagler S, et al. **Schizophr Bull** 1985;11(1):107–11

Regional brain dopamine metabolism: a marker for the speed, direction, and posture of moving animals. Freed CR, et al. **Science** 1985 Jul 5;229(4708):62–5

Initiation of behavior by single neurons: the role of behavioral context. Nolen TG, et al. **Science** 1984 Nov 23; 226(4677):992–4

[Manifestations and expression of motor activity in normally intelligent, concentration disordered, restless students in teaching] Miehlke A, et al. **Arztl Jugendkd** 1985 Jun; 76(3):162–8 (Eng. Abstr.) **(Ger)**

[Measurement of motor activity of mice divergently selected for body mass using acoustic methods] Heckl–Enszlin C, et al. **Z Versuchstierkd** 1984;26(4):169–73 (Eng. Abstr.) **(Ger)**

[Appraisal of ultradian components in the ethosecretogram of rat] Shiraishi I. **Hokkaido Igaku Zasshi** 1985 Jan; 60(1):66–81 (Eng. Abstr.) **(Jpn)**

[Analysis of stamping] Fukushima H. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):770–3 **(Jpn)**

[Decreased beta–adrenergic receptor binding in the rat's brain on the activity–stress paradigm] Sakaida S, et al. **Yakubutsu Seishin Kodo** 1984 Sep;4(2):191–4 (Eng. Abstr.) **(Jpn)**

[7 postural reactions suggested by Vojta. An aid in the examination of neonatal motor activity at maternal and pediatric clinics] Holtedahl KA, et al. **Tidsskr Nor Laegeforen** 1985 Jun 20;105(17–18):1225–30 (Eng. Abstr.) **(Nor)**

[Use of ultrasound in movement studies] Gómez–Jarabo G. **Rev Esp Fisiol** 1984 Sep;40(3):353–57 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effects of maternal ethanol consumption on the offspring sensory–motor development, ultrasonic vocalization, audiogenic immobility reaction and brain monoamine synthesis. Hård E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 May;56(5):354–63

Effect of nicotine on passive avoidance behaviour and motoric activity in mice. Nordberg A, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Apr;56(4):337–41

Hypoactivity in silver exposed mice. Rungby J, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Nov;55(5):398–401

Effect of prostaglandins on morphine–induced catalepsy in mice. Brus R, et al. **Acta Physiol Pol** 1983 Sep–Dec; 34(5–6):477–82

Locomotor depression by the opioid benzodiazepine tifluadom in mice. Castellano C, et al. **Arch Int Pharmacodyn Ther** 1984 Aug;270(2):318–23

Effect of piracetam on motor activity of spinal cord injured rabbits. Simonić A, et al. **Arch Int Pharmacodyn Ther** 1984 Dec;272(2):296–303

Progressive augmentation of locomotor activity in mice by long–term treatment with thyrotropin releasing hormone. Ushijima I, et al. **Arch Int Pharmacodyn Ther** 1984 Jul; 270(1):29–37

Changes in sensitivity to ambulation–increasing effect of methamphetamine after exposure to toluene vapor in mice. Kuribara H, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1984 Sep;19(3):193–204

Effects of drugs on schedule–controlled running of mice in a circular runway. Lehr E, et al. **Arzneimittelforsch** 1985; 35(1A):432–4

Inhibition of locomotor activity during cholinergically–induced emotional–aversive response in the cat. Brudzyński SM, et al. **Behav Brain Res** 1984 Dec; 14(3):247–53

Intracerebroventricular apomorphine alleviates spontaneous forgetting and increases cortical noradrenaline. Sara SJ, et al. **Behav Brain Res** 1984 Jul;13(1):43–52

A twin study of psychomotor and physiological responses to an acute dose of alcohol. Martin NG, et al. **Behav Genet** 1985 Jul;15(4):305–47

The effect of methyl parathion on susceptibility of bobwhite quail (Colinus virginianus) to domestic cat predation. Galindo JC, et al. **Behav Neural Biol** 1985 Jan;43(1):21–36

Neuropharmacological evidence to suggest that the nucleus accumbens and subpallidal region contribute to exploratory locomotion. Mogenson GJ, et al. **Behav Neural Biol** 1984 Sep;42(1):52–60

Behavioral thermoregulation, core temperature, and motor activity: simultaneous quantitative assessment in rats after dopamine and prostaglandin E1. Marques PR, et al. **Behav Neurosci** 1984 Oct;98(5):858–67

SCH 23390 may alter dopamine–mediated motor behaviour via striatal D–1 receptors. Boyce S, et al. **Biochem Pharmacol** 1985 May 15;34(10):1665–9

Chronobiologic and metabolic characterization of rats fed low or high linoleic acid diets. Balschun D, et al. **Biomed Biochim Acta** 1984;43(8–9):S231–4

Nootropic drugs reduce immobility in behavioural despair test in mice. Schmidt J. **Biomed Biochim Acta** 1984; 43(11):1295–9

Ambulatory motor activity monitoring to study the timecourse of hypnotic action. Borbély AA. **Br J Clin Pharmacol** 1984;18 Suppl 1:83S–86S

Increased total activity in the rat after L–tryptophan plus the monoamine oxidase–A inhibitor amiflamine but not after L–tryptophan plus clorgyline. Archer T, et al. **Br J Pharmacol** 1985 Jul;85(3):581–90

Behavioral interaction of adenosine and diazepam in mice. Barraco RA, et al. **Brain Res** 1984 Dec 3;323(1):159–63

[D–Arg]Kyotorphin–induced ipsilateral rotation: evidence for in vivo effects independent of Met–enkephalin release. Bean AJ, et al. **Brain Res** 1984 Nov 12;321(2):327–31

Association of the mesencephalic locomotor region with locomotor activity induced by injections of amphetamine into the nucleus accumbens. Brudzyński SM, et al. **Brain Res** 1985 May 13;334(1):77–84

Spontaneous recovery from motor asymmetry in adult rats with 6–hydroxydopamine–induced partial lesions of the substantia nigra. Dravid A, et al. **Brain Res** 1984 Oct 8; 311(2):361–5

Contralateral circling induced by tegmental morphine: anatomical localization, pharmacological specificity, and phenomenology. Holmes LJ, et al. **Brain Res** 1985 Feb 4;326(1):19–26

Quantification of lesion–induced dopaminergic supersensitivity using the rotational model in the mouse. Mandel RJ, et al. **Brain Res** 1985 Mar 25;330(2):358–63

Effects of neonatal treatment with monosodium glutamate on circadian locomotor rhythm in the rat. Miyabo S, et al. **Brain Res** 1985 Jul 29;339(2):201–8

Electroencephalographic spreading depression and concomitant behavioral changes induced by intrahippocampal injections of ACTH1–24 and D–Ala2–Met–enkephalinamide in the rat. Oitzl MS, et al. **Brain Res** 1984 Aug 6;308(1):33–42

Lesion–induced DA supersensitivity in aging C57BL/6J mice. Randall PK. **Brain Res** 1984 Aug 13;308(2):333–6

Behavioural effects in the rat after acute unilateral intranigral infusions of N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine. Sirinathsinghji DJ. **Brain Res** 1985 Jul 29;339(2):366–70

Naloxone specifically blocks the linear locomotion in mice. Ukai M, et al. **Brain Res** 1985 Mar 4;328(2):378–80

Disturbance of motor performance and thermoregulation in mice given two commercial chlorinated paraffins. Eriksson P, et al. **Bull Environ Contam Toxicol** 1985 Feb;34(2):205–9

Inhibition of central angiotensin II induced drinking by GABA in the rat. Hutchinson JS, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):1777–80

Axial apraxia, a distinct phenomenon. Lakke JP, et al. **Clin Neurol Neurosurg** 1984;86(4):291–4

Effects of 5–HT serotonin on spontaneous locomotor activity of eels. Genot G, et al. **Comp Biochem Physiol [C]** 1984; 79(1):189–92

Effects of 6–hydroxydopamine–induced catecholamine depletion on shock–precipitated wall climbing of infant rat pups. Emerich DF, et al. **Dev Psychobiol** 1985 May; 18(3):215–27

A comparison of dopamine agonist action to inhibit locomotor activity and to induce stereotyped behaviour in the mouse. Bradbury AJ, et al. **Eur J Pharmacol** 1984 Oct 1;105(1–2):33–47

The benzodiazepine antagonist Ro 15–1788 reverses the effect of methyl–beta–carboline–3–carboxylate but not of harmaline on cerebellar cGMP and motor performance in mice. Burkard WP, et al. **Eur J Pharmacol** 1985 Feb 26; 109(2):241–7

Naltrexone–reversible effects of flunitrazepam on locomotor activity and passive avoidance behaviour in mice. Castellano C, et al. **Eur J Pharmacol** 1984 Sep 3; 104(1–2):111–6

The effects of progabide (SL 76002) on locomotor activity and conditioned place preference induced by d–amphetamine. Di Scala G, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):271–4

Effect of the dopamine D–1 antagonist SCH 23390 on rotational behaviour induced by apomorphine and pergolide in 6–hydroxy–dopamine denervated rats. Herrera–Marschitz M, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):349–54

The ergolene derivative MPME induces in the rat a behavioural syndrome associated with activation of dopamine D–1 receptors belonging to the dotted type of forebrain dopamine nerve terminals. Ogren SO, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):79–89

Neuronal mechanisms involved in drug–induced jumping behavior in mice. Ushijima I, et al. **Eur J Pharmacol** 1985 Jun 7;112(2):225–9

The effects of centrally acting adrenergic agonists on temperature and on explorative and motor behaviour. Relation with effects on quasi–morphine withdrawal behaviour. Van der Laan JW, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):367–73

Circling behavior induced by phencyclidine in mice and its inhibition by naloxone. Eshel Y, et al. **Experientia** 1985 Jan 15;41(1):73–4

Tricyclic antidepressants antagonize prostaglandin (PG) E2–induced contractions of the guinea pig ileum and hypomotility in the mouse. Tayo FM. **Experientia** 1985 Apr 15;41(4):474–6

Pharmacologic studies of the central action of zopiclone: effects on locomotor activity and brain monoamines in rats. Liu HJ, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Mar; 23(3):121–8

Prenatal monosodium glutamate (MSG) treatment given through the mother's diet causes behavioral deficits in rat offspring. Frieder B, et al. **Int J Neurosci** 1984 Apr; 23(2):117–26

Mood alteration following oral and intravenous haloperidol and relationship to drug concentration in normal subjects. Magliozzi JR, et al. **J Clin Pharmacol** 1985 May–Jun; 25(4):285–90

Corticotropin–releasing factor (CRF) stimulates locomotor activity in intact and hypophysectomized newts (Amphibia). Moore FL, et al. **J Exp Zool** 1984 Sep; 231(3):331–3

Aminotetralone analogues of ketamine: synthesis and evaluation of hypnotic and locomotor properties in mice. Yang DJ, et al. **J Med Chem** 1985 Sep;28(9):1361–5

Sulpiride blocks postsynaptic dopamine receptors in the nucleus accumbens. Morgenstern R, et al. **J Neural Transm** 1985;61(3–4):151–60

Effect of beta–adrenoceptor agonists on apomorphine–induced turning in rats. Ortmann R, et al. **J Neural Transm** 1985;61(1–2):43–53

Biochemical and functional evidence for a marked dopamine releasing action of N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (NMPTP) in mouse brain. Pileblad E, et al. **J Neural Transm** 1984; 60(3–4):199–203

Octopamine and chlordimeform enhance sensory responsiveness and production of the flight motor pattern in developing and adult moths. Kinnamon SC, et al. **J Neurobiol** 1984 Jul;15(4):283–93

Repeated treatment with amitriptyline reduces immobility in the behavioural 'despair' test in rats by activating dopaminergic and beta–adrenergic mechanisms. Borsini F, et al. **J Pharm Pharmacol** 1985 Feb;37(2):137–8

The effects of phenylpropanolamine and other sympathomimetics on food consumption and motor activity in mice. Cairns MJ, et al. **J Pharm Pharmacol** 1984 Oct; 36(10):704–6

Repeated treatment with imipramine or amitriptyline increases the locomotor response of rats to (+)–amphetamine given into the nucleus accumbens. Maj J, et al. **J Pharm Pharmacol** 1985 May;37(5):362–4

Chronic treatment with electroconvulsive shock prevents the salbutamol–induced hypoactivity in rats. Przegaliński E, et al. **J Pharm Pharmacol** 1984 Sep;36(9):626–8

Simultaneous assessment of the opiate–induced modifications in the vertical and horizontal components of locomotor activity in mice. Chaillet P, et al. **J Pharmacol** 1984 Jul–Sep; 15(3):375–83

Dopamine agonist–induced locomotor activity in rats treated with 6–hydroxydopamine at differing ages: functional supersensitivity of D–1 dopamine receptors in neonatally lesioned rats. Breese GR, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):447–55

Genotype–dependent behavioral sensitivity to mu vs. kappa opiate agonists. I. Acute and chronic effects on mouse locomotor activity. Gwynn GJ, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):306–11

Effects of 5,5–diphenylhydantoin (phenytoin) on neurobehavioral toxicity of organochlorine insecticides and permethrin. Tilson HA, et al. **J Pharmacol Exp Ther** 1985 May;233(2):285–9

Determination of acute toxic effects in mice following exposure to methyl bromide. Alexeeff GV, et al. **J Toxicol Environ Health** 1985;15(1):109–23

Effects of psychotropic drugs on the development of activity–stress ulcer in rats. Hara C, et al. **Jpn J Pharmacol** 1984 Aug;35(4):474–7

Effect of zimeldine, a new antidepressant, on the forced swimming test in rats. Satoh H, et al. **Jpn J Pharmacol** 1984 Aug;35(4):471–3

Hyperactivity induced by stimulation of separate dopamine D–1 and D–2 receptors in rats with bilateral 6–OHDA lesions. Arnt J. **Life Sci** 1985 Aug 26;37(8):717–23

Caffeine tolerance: behavioral, electrophysiological and neurochemical evidence. Chou DT, et al. **Life Sci** 1985 Jun 17;36(24):2347–58

Blockade of a motor response by cholinergic stimulation of the toad midbrain tegmentum. Hoffmann A, et al. **Life Sci** 1985 Aug 12;37(6):537–45

Selective D2 dopamine receptor agonists prevent catalepsy induced by SCH 23390, a selective D1 antagonist. Meller E, et al. **Life Sci** 1985 May 13;36(19):1857–64

The biochemical and behavioral effects of phospholipase A2 and morphine microinjections in the periaqueductal gray of the rat. Reichman M, et al. **Life Sci** 1985 Feb 11; 36(6):515–23

SCH23390 causes persistent antidopaminergic effects in vivo: evidence for longterm occupation of receptors. Schulz DW, et al. **Life Sci** 1985 May 20;36(20):1941–8

Brain NADH and jumping behavior in the rat. Shen Z, et al. **Life Sci** 1985 Aug 26;37(8):731–8

Development of selective tolerance to the serotonin behavioral syndrome and suppression of locomotor activity after repeated administration of either 5–MeODMT or mCPP. Sills MA, et al. **Life Sci** 1985 Jul 1;36(26):2463–9

The neural substrates of apomorphine–stimulated locomotor activity following denervation of the nucleus accumbens. Swerdlow NR, et al. **Life Sci** 1984 Dec 17;35(25):2537–44

Correlations between the effects of CNS stimulants on memory processes and open field behavior of rats: the importance of brain cholinergic activity. Yonkov DI. **Methods Find Exp Clin Pharmacol** 1985 Mar;7(3):113–8

Hyperresponsiveness to methylphenidate in rats following prenatal ethanol exposure. Means LW, et al. **Neurobehav Toxicol Teratol** 1984 May–Jun;6(3):187–92

Longterm effects of early cadmium exposure on locomotor activity in the rat. Smith MJ, et al. **Neurobehav Toxicol Teratol** 1985 Jan–Feb;7(1):19–22

Effect of gestational and neonatal styrene exposure on dopamine receptors. Zaidi NF, et al. **Neurobehav Toxicol Teratol** 1985 Jan–Feb;7(1):23–8

Effects of alpha–flupenthixol and naloxone on CRF–induced locomotor activation. Koob GF, et al. **Neuroendocrinology** 1984 Nov;39(5):459–64

Effects of a thyrotropin releasing hormone analogue on locomotor and other motor activity in the rat. Clarke KA, et al. **Neuropeptides** 1985 Apr;6(2):101–12

The effects of neurotensin and [D–Tyr11]–NT on the hyperactivity induced by intra–accumbens administration of a potent dopamine receptor agonist. Jolicoeur FB, et al. **Neuropeptides** 1985 Apr;6(2):143–56

A genetic analysis of morphine responses in mice. Muraki T, et al. **Neuropeptides** 1984 Dec;5(1–3):69–72

Inhibition and facilitation of motor responding of the mouse by actions of dopamine agonists in the forebrain. Bradbury AJ, et al. **Neuropharmacology** 1984 Sep;23(9):1025–31

Potentiation of total horizontal activity and ambulation in rats treated with combinations of beta–phenylethylamine and naloxone. Dourish CT, et al. **Neuropharmacology** 1984 Sep;23(9):1059–64

Phenylephrine–induced activity in mice as a model of central alpha 1–adrenoceptor function. Effects of acute and repeated administration of antidepressant drugs and electroconvulsive shock. Heal DJ. **Neuropharmacology** 1984 Nov;23(11):1241–51

The effect of (+/–)mianserin and its enantiomers on the behavioural hyperactivity of the olfactory–bulbectomized rat. Jancsár SM, et al. **Neuropharmacology** 1984 Sep; 23(9):1065–70

Exposure to rotating magnetic fields alters morphine–induced behavioral responses in two strains of mice. Kavaliers M, et al. **Neuropharmacology** 1985 Apr;24(4):337–40

Differing effects of short–chain alcohols on body temperature and coordinated muscular activity in mice. Maickel RP, et al. **Neuropharmacology** 1985 Jan;24(1):83–9

The administration of baclofen to mice increases 5–HT2–mediated head–twitch behaviour and 5–HT2 receptor number in frontal cortex. Metz A, et al. **Neuropharmacology** 1985 Apr;24(4):357–60

Locomotor activation induced in rodent by substance P and analogues. Blockade of the effect of substance P by met–enkephalin antiserum. Naranjo JR, et al. **Neuropharmacology** 1984 Oct;23(10):1167–71

In vivo evidence for the selectivity of ICI 154129 for the delta–opioid receptor. Priestley T, et al. **Neuropharmacology** 1985 Feb;24(2):107–10

Evidence that 2–phenylpyrazolo[4,3–c]–quinolin–3(5H)–one antagonises pharmacological, electrophysiological and biochemical effects of diazepam in rats. Santi M, et al. **Neuropharmacology** 1985 Feb;24(2):99–105

Drug interactions on spontaneous locomotor activity in rats. Neuroleptics and amphetamine–induced hyperactivity. Schaefer GJ, et al. **Neuropharmacology** 1984 Aug; 23(8):909–14

Treatment of rats with the TRH analog MK–771. Down–regulation of TRH receptors and behavioral tolerance. Simasko SM, et al. **Neuropharmacology** 1985 Feb; 24(2):157–65

Dissociation of the locomotor and hypotensive effects of adenosine analogues in the rat. Barraco RA, et al. **Neurosci Lett** 1984 Jul 27;48(2):139–44

Sensitivity of inbred mice to methylxanthines is not determined by plasma xanthine concentration. Carney JM, et al. **Neurosci Lett** 1985 May 1;56(1):27–31

Behavioral interaction of adenosine and trifluoperazine in mice. DeLong RE, et al. **Neurosci Lett** 1985 Jan 7; 53(1):101–7

Neuronal histamine inhibits methamphetamine–induced locomotor hyperactivity in mice. Itoh Y, et al. **Neurosci Lett** 1984 Aug 10;48(3):305–9

N–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) affects locomotor activity without producing a nigrostriatal lesion in the rat. Sahgal A, et al. **Neurosci Lett** 1984 Jul 27;48(2):179–84

Behavioural effects in rats of unilateral and bilateral injections of opiate receptor agonists into the globus pallidus. Dewar D, et al. **Neuroscience** 1985 May;15(1):41–6

Responses of striatal neurons in the behaving monkey. 3. Effects of iontophoretically applied dopamine on normal responsiveness. Rolls ET, et al. **Neuroscience** 1984 Aug; 12(4):1201–12

Effects of oral lynestrenol administration on prenatal and postnatal progeny development in rabbits. Hem AL, et al. **NIPH Ann** 1984 Dec;7(2):41–5

Hypermotility induced by vasoactive intestinal peptide in the rat: its reciprocal action to cholecystokinin octapeptide. Itoh S, et al. **Peptides (Fayetteville)** 1985 Jan–Feb;6(1):53–7

Specificity of nucleus accumbens to activities related to cholecystokinins in rats. Katsuura G, et al. **Peptides (Fayetteville)** 1985 Jan–Feb;6(1):91–6

A comparison of the antinociceptive and behavioral effects of D–Arg substituted dipeptides and tetrapeptides in mice. Sato T, et al. **Peptides (Fayetteville)** 1985 Jan–Feb; 6(1):35–40

Effects of beta–neo–endorphin on behaviors in mice using multi–dimensional behavioral analyses. Ukai M, et al. **Peptides (Fayetteville)** 1984 Sep–Oct;5(5):1011–4

The effects of MIF–I, beta–endorphin and alpha–MSH on d–amphetamine induced paradoxical behavioral thermoregulation: possible involvement of the dopaminergic system. Yehuda S, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):189–92

Interactions between enkephalin and dopamine in the control of locomotor activity in the rat: a new hypothesis. Agmo A, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):599–603

Low level lead effects on activity under varying stress conditions in the developing rat. Barrett J, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):107–18

Intracortical 5,7–dihydroxytryptamine depletes brain serotonin concentrations without affecting spontaneous activity. Black RS, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):327–31

Effects of TRH, ethanol, and TRH–ethanol combination on activity in rats with altered monoamine content. Breese GR, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1013–8

A microgram dose of diazepam produces specific inhibition of ambulation in the rat. Cooper SJ. **Pharmacol Biochem Behav** 1985 Jan;22(1):25–30

Locomotor response of nialamide pretreated old rats to intraaccumbens dopamine. Cousin KM, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):461–8

Effects of chronically administered nicotine and saline on motor activity in rats. Cronan T, et al. **Pharmacol Biochem Behav** 1985 May;22(5):897–9

Effect of sex and castration on nicotine–induced activity responses. Cronan T, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):675–7

Local application of beta–phenylethylamine to the caudate nucleus of the rat elicits locomotor stimulation. Dourish CT. **Pharmacol Biochem Behav** 1985 Jan;22(1):159–62

Behavioral responses of high and low active male rats to the chronic ingestion of desipramine. Echandía EL, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):917–20

Dopamine–beta–hydroxylase inhibitors, feeding and locomotor activity: reinstatement of feeding following central norepinephrine. Evans KR, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):535–40

Brain amines and effects of chlordiazepoxide on motor activity in response to stress. Freeman GB, et al. **Pharmacol Biochem Behav** 1985 May;22(5):665–70

Stimulation of beta–adrenergic receptors and spontaneous motor activity in mice. Goldschmidt PL, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):177–80

Sensitization of rotational behavior produced by a single exposure to cocaine. Guan LC, et al. **Pharmacol Biochem Behav** 1985 May;22(5):901–3

Some analogs of Tyr–MIF–1 affect passive avoidance behavior but not motor activity in rats. Hayashi T, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):809–12

Comparison of anorexia and motor disruption by cyclazocine and quipazine. Henck JW, et al. **Pharmacol Biochem Behav** 1985 May;22(5):671–6

Ketamine–induced locomotion in rats in an open–field. Hetzler BE, et al. **Pharmacol Biochem Behav** 1985 Apr; 22(4):653–5

The D1 dopamine receptor antagonist, SCH 23390 reduces locomotor activity and rearing in rats. Hoffman DC, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):341–2

Interactive effects of caffeine, 2–chloroadenosine and haloperidol on activity, social investigation and play fighting of juvenile rats. Holloway WR Jr, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):421–6

Effects of phencyclidine (PCP)–like drugs on turning behavior, 3H–dopamine uptake, and 3H–PCP binding. Johnson KM, et al. **Pharmacol Biochem Behav** 1985 May; 22(5):731–5

Tyr–MIF–1 and MIF–1 are active in the water wheel test for antidepressant drugs. Kastin AJ, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):767–71

Naltrexone fails to suppress spontaneous locomotor activity in hamsters. Lowy MT, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):399–401

Motor hypoactivity induced by neurotensin and related peptides in mice. Meisenberg G, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):189–93

Drug–induced modulation of locomotor hyperactivity induced by picrotoxin in nucleus accumbens. Morgenstern R, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):501–6

Effect of DL–erythro–dihydroxyphenylserine on the locomotor activity of the mouse. Mori T, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):979–83

Effects of tunnel maze complexity on caffeinic hyperactivity in the rat. Oettinger R, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):85–90

Repeated treatment with antidepressant drugs prevents salbutamol–induced hypoactivity in rats. Przegaliński E, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):695–8

Locomotor activity and opiate effects in male and female hamsters. Schnur P, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):369–74

Neonatal 6–hydroxydopamine potentiates clonidine's locomotor effects throughout maturation in the rat. Smythe JW, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1075–8

Neurotensin and bombesin, a relationship between their effects on body temperature and locomotor activity? van Wimersma Greidanus TB, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):197–202

Hypothalamic involvement in the locomotor stimulant or satiety action of thyrotropin–releasing hormone and amphetamine. Shian LR, et al. **Pharmacology** 1985; 30(5):259–65

Development of mouse activity, stimulus reactivity, habituation, and response to amphetamine and scopolamine. Alleva E, et al. **Physiol Behav** 1985 Apr;34(4):519–23

Effect of l–dopa or bromocriptine on feeding and motor behavior of rats with lesions in the globus pallidus. Palfai T, et al. **Physiol Behav** 1984 Aug;33(2):283–9

Multi–dimensional analyses of behavior in mice treated with naltrexone. Ukai M, et al. **Physiol Behav** 1985 Feb; 34(2):311–3

The effects of chronic lithium on the EEG and locomotor response to drug challenge in rats. Ehlers CL, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(2):133–42

Effects of caffeine and nicotine on open–field exploration. Loke WH, et al. **Psychol Rep** 1984 Oct;55(2):447–51

The effects of proglumide on morphine induced motility changes. Ben–Horin N, et al. **Psychopharmacology (Berlin)** 1984;84(4):541–3

Behavioral analysis of the effect of neurotensin injected into the ventral mesencephalon on investigatory and spontaneous motor behavior in the rat. Cador M, et al. **Psychopharmacology (Berlin)** 1985;85(2):187–96

Increased or decreased locomotor response in rats following repeated administration of apomorphine depends on dosage interval. Castro R, et al. **Psychopharmacology (Berlin)** 1985; 85(3):333–9

Dopamine agonist action in mesolimbic, cortical and extrapyramidal areas to modify spontaneous climbing behaviour of the mouse. Costall B, et al. **Psychopharmacology (Berlin)** 1985;86(4):452–7

Variability in simian motor and social behavior with alternating–day acetylmethadol. Crowley TJ, et al. **Psychopharmacology (Berlin)** 1985;85(3):353–60

Acetylmethadol versus methadone: human mood and motility. Crowley TJ, et al. **Psychopharmacology (Berlin)** 1985;86(4):458–63

Continuous low–level apomorphine administration induces motor abnormalities and hallucinogen–like behaviors. Davis RE, et al. **Psychopharmacology (Berlin)** 1985; 85(1):1–7

Environmental experience produces qualitative changes in the stimulant effects of beta–phenylethylamine in rats. Dourish CT, et al. **Psychopharmacology (Berlin)** 1984; 84(1):132–5

Locomotor effects of lisuride: a consequence of dopaminergic and serotonergic actions. Fink H, et al. **Psychopharmacology (Berlin)** 1985;85(4):464–8

Repeated stress increases locomotor response to amphetamine. Herman JP, et al. **Psychopharmacology (Berlin)** 1984;84(3):431–5

Effects of d–amphetamine on spontaneous motor activity in pigeons. Idemudia SO, et al. **Psychopharmacology (Berlin)** 1984;84(3):315–7

An assessment of the spontaneous activity of rats administered morphine, phencyclidine, or nicotine using automated and observational methods. Iwamoto ET. **Psychopharmacology (Berlin)** 1984;84(3):374–82

Pharmacogenetics of phenylethylamine: determination of heritability and genetic transmission of locomotor effects in recombinant inbred strains of mice. Jeste DV, et al. **Psychopharmacology (Berlin)** 1984;84(4):537–40

Dissociable effects of 6–OHDA–induced lesions of neostriatum on anorexia, locomotor activity and stereotypy: the role of behavioural competition. Joyce EM, et al. **Psychopharmacology (Berlin)** 1984;83(4):363–6

Behavioral analysis of the effect of substance P injected into the ventral mesencephalon on investigatory and spontaneous motor behavior in the rat. Kelley AE, et al. **Psychopharmacology (Berlin)** 1985;85(1):37–46

Comparative effects of beta 2–adrenoceptor agonists on intracranial self–stimulation, Sidman avoidance, and motor activity in rats. Liebman JM, et al. **Psychopharmacology (Berlin)** 1984;84(3):336–41

Biphasic effects of 3–quinuclidinyl benzilate on spontaneous motor activity in mice. Liu WF, et al. **Psychopharmacology (Berlin)** 1984;84(4):486-8

Long-lasting tolerance to stimulatory effects of perinatal caffeine treatment. Lombardelli G, et al. **Psychopharmacology (Berlin)** 1984;84(2):285-6

A comparison between chlordiazepoxide and CL 218,872—a synthetic nonbenzodiazepine ligand for benzodiazepine receptors on spontaneous locomotor activity in rats. McElroy JF, et al. **Psychopharmacology (Berlin)** 1985; 85(2):224-6

Genetic analysis of the effects of morphine on plasma cyclic nucleotides and locomotor activity in male mice. Muraki T, et al. **Psychopharmacology (Berlin)** 1985;85(2):162-6

Effects of d,l-propranolol on open field behavior of rats. Poli A, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):153-5

Behavioral sensitization: characterization of enduring changes in rotational behavior produced by intermittent injections of amphetamine in male and female rats. Robinson TE. **Psychopharmacology (Berlin)** 1984; 84(4):466-75

Effects of water temperature and weight of wheel load on water wheel turning behavior of imipramine administered mice. Shimizu J, et al. **Psychopharmacology (Berlin)** 1984; 84(1):20-1

Repeated treatment with imipramine potentiates the locomotor effect of apomorphine administered into the hippocampus in rats. Smiałowski A, et al. **Psychopharmacology (Berlin)** 1985;86(4):468-71

The tail suspension test: a new method for screening antidepressants in mice. Steru L, et al. **Psychopharmacology (Berlin)** 1985;85(3):367-70

The comparative long-term effects of ciladopa (AY-27,110), a chemically novel dopaminergic agonist, in 6-OHDA-lesioned and intact rats. Voith K. **Psychopharmacology (Berlin)** 1985;85(4):405-9

Induction and reversal of dopamine dyskinesia in rat, cat, and monkey. Lloyd KG, et al. **Psychopharmacology [Suppl]** 1985;2:200-10

A comparison of the locomotor effects induced by centrally injected TRH and TRH analogues. Sharp T, et al. **Regul Pept** 1984 Nov;9(4):305-15

Experimental cerebral infarction in Mongolian gerbils: effects of vincamine on lesion size, survival and behavior. Ritschel WA, et al. **Res Commun Chem Pathol Pharmacol** 1985 May; 48(2):221-42

Comparison between locomotor activity changes produced by phencyclidine and D-amphetamine in CD-1 male mice. Stavchansky S, et al. **Res Commun Chem Pathol Pharmacol** 1985 May; 48(2):189-202

Paradoxical sleep deprivation and the immobility response in the rat: effects of desipramine and phentolamine. van Luijtelaar EL, et al. **Sleep** 1985;8(1):49-55

The automated analysis of coordinated hindlimb movement in rats during acute and prolonged exposure to toxic agents. Kulig BM, et al. **Toxicol Appl Pharmacol** 1985 Aug; 80(1):1-10

Acute motor and lethal effects of inhaled toluene, 1,1,1-trichloroethane, halothane, and ethanol in mice: effects of exposure duration. Moser VC, et al. **Toxicol Appl Pharmacol** 1985 Feb;77(2):285-91

Effects of xylene isomers on operant responding and motor performance in mice. Moser VC, et al. **Toxicol Appl Pharmacol** 1985 Sep 15;80(2):293-8

Development of locomotor activity of rat pups exposed to heavy metals. Ruppert PH, et al. **Toxicol Appl Pharmacol** 1985 Mar 30;78(1):69-77

Effects of organic solvents on motor activity in mice. Kjellstrand P, et al. **Toxicology** 1985 Apr;35(1):35-46

Interaction of dopamine agonists with disrupted mesolimbic pathways implications for mental health. Wray SR, et al. **West Indian Med J** 1984 Jun;33(2):106-16

Augmentation of sensitivity to ambulation-increasing effect of apomorphine induced by repeated administration in mice. Kuribara H, et al. **Yakubutsu Seishin Kodo** 1984 Sep; 4(2):181-90

[Effect of l-stepholidine on rotational behavior in rats] Shi WX, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec; 5(4):222-5 (Eng. Abstr.) **(Chi)**

[Dopamine sensitivity of brain-induced behavior after repeated administration of dopamine agonists and antagonists] Westermann KH, et al. **Biomed Biochim Acta** 1984;43(7):1027-32 (Eng. Abstr.) **(Ger)**

[Effects of ritodrine hydrochloride on motor nervous system and central nervous system] Ikeda S, et al. **Nippon Yakurigaku Zasshi** 1984 Sep;84(3):311-26 (Eng. Abstr.) **(Jpn)**

[TRH and its analog (DN-1417). Effects on central dopaminergic system-dependent behaviors in rats and mice] Miyamoto M, et al. **Nippon Yakurigaku Zasshi** 1985 Mar;85(3):129-41 (Eng. Abstr.) **(Jpn)**

[Behavioral and pharmacological studies of spontaneous motor activity of mice by the wheel-cage method] Nakamura K. **Yakugaku Zasshi** 1984 Jun;104(6):644-51 (Eng. Abstr.) **(Jpn)**

[Central effects of cinnamaldehyde] Watanabe H, et al. **Yakugaku Zasshi** 1984 Oct;104(10):1095-100 (Eng. Abstr.) **(Jpn)**

[Studies on products of transformation of 4-carboethoxymethyl-1,2,4-triazoline-5-thione derivatives. I. Synthesis of 4-beta-aminoethylo-1,2,4-triazolino-5-thione with potential pharmacological action] Dobosz M. **Acta Pol Pharm** 1984;41(1):43-8 (Eng. Abstr.) **(Pol)**

[Synthesis and pharmacological studies of new 1,4,7-oxadiazonine and 1,5,6-oxadiazonine derivatives] Mikiciuk-Olasik E, et al. **Acta Pol Pharm** 1984;41(1):49-54 (Eng. Abstr.) **(Pol)**

[Thiazole derivatives. V. Synthesis and pharmacological screening of amides of 4-phenyl-5-thiazolecarboxylic acids] Zawadzka J, et al. **Acta Pol Pharm** 1984;41(6):633-40 (Eng. Abstr.) **(Pol)**

[Central effect of new derivatives of ethylenediamine and imidazolidinone-2] Zebrowska-Lupina I, et al. **Acta Pol Pharm** 1984;41(6):687-94 (Eng. Abstr.) **(Pol)**

[Nonuniform effect of cataleptogenic and atypical neuroleptics on the turning reactions induced by stimulation of the putamen and caudate nucleus in cats] Anokhov SS, et al. **Farmakol Toksikol** 1984 Nov-Dec; 47(6):16-20 (Eng. Abstr.) **(Rus)**

[Comparative study of the effect of 3 M-cholinergic blockaders on memory and motor activity in rats] Vinogradov VV, et al. **Farmakol Toksikol** 1984 Jul-Aug; 47(4):36-40 (Eng. Abstr.) **(Rus)**

[Effect of 5,6-dihydroxytryptamine and 6-hydroxydopamine on the maze behavior of the snail Helix lucroum] Salimova NB, et al. **Zh Vyssh Nerv Deiat** 1984 Sep-Oct;34(5):941-7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Favourable effect of physical exercise on informational pathology of higher nervous activity. Khananashvili M, et al. **Act Nerv Super (Praha)** 1984 Sep;26(3):191-4

Ecological distinctions between sympatric species of Saguinus and Sciurus. Garber PA, et al. **Am J Phys Anthropol** 1984 Oct;65(2):135-46

Attenuation of postexercise ketosis in fasted endurance-trained rats. Beattie MA, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R63-7

Physiological correlates of locomotory performance in a lizard: an allometric approach. Garland T Jr. **Am J Physiol** 1984 Nov;247(5 Pt 2):R806-15

Motor activity in decerebrate rats: spontaneous and nutrient-induced changes. Junquera J, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R945-52

Morphometry and calcium contents in appendicular and axial bones of exercised ovariectomized rats. Pohlman RL, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R12-7

Insulin increases body fat despite control of food intake and physical activity. Torbay N, et al. **Am J Physiol** 1985 Jan; 248(1 Pt 2):R120-4

Motor activity and affective illness. The relationship of amplitude and temporal distribution to changes in affective state. Wolff EA 3d, et al. **Arch Gen Psychiatry** 1985 Mar; 42(3):288-94

Spontaneous and delayed spatial alternation following damage to specific neuronal elements within the nucleus medianus raphe. Asin KE, et al. **Behav Brain Res** 1984 Sep;13(3):241-50

Dopamine-rich transplants in rats with 6-OHDA lesions of the ventral tegmental area. I. Effects on spontaneous and drug-induced locomotor activity. Dunnett SB, et al. **Behav Brain Res** 1984 Jul;13(1):71-82

Reduced locomotor activity as an acute effect of damage to superior colliculus in rats. Harrison CA, et al. **Behav Brain Res** 1984 Sep;13(3):273-7

Caudate nucleus and programming behaviour in cats: role of dopamine in switching motor patterns. Jaspers R, et al. **Behav Brain Res** 1984 Oct;14(1):17-28

A study of the contribution of hippocampal-accumbens-subpallidal projections to locomotor activity. Mogenson GJ, et al. **Behav Neural Biol** 1984 Sep;42(1):38-51

Invariant in loaded goal directed movements. Ruitenbeek JC. **Biol Cybern** 1984;51(1):11-20

The effects of motor unit synchronization on the power spectrum of the electromyogram. Weytjens JL, et al. **Biol Cybern** 1984;51(2):71-7

Automated rhythmic movements and their control under different experimental conditions. Pögelt B, et al. **Biomed Biochim Acta** 1984;43(4):485-91

A qualitative model of the control of automated rhythmic movements: coupling between EEG and motor systems. Pögelt B, et al. **Biomed Biochim Acta** 1984;43(4):493-9

An isolated mammalian brainstem-spinal cord preparation suitable for the investigation of descending control of motor activity. Bagust J, et al. **Brain Res** 1985 Feb 18; 327(1-2):370-4

Early onset of hindlimb paw-shake responses in spinal kittens: new perspective in motor development. Bradley NS, et al. **Brain Res** 1985 Jan;349(1-2):301-3

Peripheral inputs and early unit activity in area 5 of the monkey during a trained forelimb movement. Burbaud P, et al. **Brain Res** 1985 Jul 1;337(2):341-6

Hippocampal mediation of shaking behavior induced by electrical stimulation of the perforant path in the rat. Damiano BP, et al. **Brain Res** 1984 Aug 13;308(2):383-6

Locomotor behavior following kindling in three different brain sites. Ehlers CL, et al. **Brain Res** 1985 Feb 4; 326(1):71-9

Reticular nucleus of rat thalamus is metabolically activated during trained forelimb movements. Gonzalez MF, et al. **Brain Res** 1985 Apr 22;332(2):380-5

Evidence that projections from substantia innominata to zona incerta and mesencephalic locomotor region contribute to locomotor activity. Mogenson GJ, et al. **Brain Res** 1985 May 13;334(1):65-76

Bicuculline blocks circadian phase delays but not advances. Ralph MR, et al. **Brain Res** 1985 Jan 28;325(1-2):362-5

Neonatal 6-hydroxydopamine lesion of spinal norepinephrine terminals fails to affect the ontogeny of swimming behavior. Ryan C, et al. **Brain Res** 1985 Jan; 349(1-2):258-62

Motor cortical neuronal activity patterns in monkeys performing several force tasks at the ankle. Sahrmann SA, et al. **Brain Res** 1984 Sep 17;310(1):55-66

The effect of water-deprivation on locomotor activity in rats treated with 6-hydroxydopamine. Seiden LS, et al. **Brain Res** 1985 Jul 1;337(2):225-32

The mesencephalic locomotor region (MLR) in the rat. Skinner RD, et al. **Brain Res** 1984 Dec 10;323(2):385-9

Effects of intranigral injections of dopamine agonists and antagonists, glycine, muscimol and N-methyl-D,L-aspartate on locomotor activity. Jackson EA, et al. **Brain Res Bull** 1984 Aug;13(2):309-17

Behavioral effects of hippocampal system lesions on rats in an operant paradigm. Shull RN, et al. **Brain Res Bull** 1985 Apr;14(4):315-22

delta-Opioid modulation of striatal dopaminergic activity in mice. Dua AK, et al. **Can J Neurol Sci** 1985 Feb;12(1):60-4

Cross correlation studies in primate motor cortex: event related correlation. Murphy JT, et al. **Can J Neurol Sci** 1985 Feb;12(1):24-30

Cross correlation studies in primate motor cortex: synaptic interaction and shared input. Murphy JT, et al. **Can J Neurol Sci** 1985 Feb;12(1):11-23

Basal ganglia outputs and motor control. Evarts EV, et al. **Ciba Found Symp** 1984;107:83-102 (10 ref.)

Nervous propagation along 'central' motor pathways in intact man: characteristics of motor responses to 'bifocal' and 'unifocal' spine and scalp non-invasive stimulation. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1985 Oct; 61(4):272-86

Effect of trunk load on the energy expenditure of treadmill walking and ergometer cycling. Myo-Thein, et al. **Eur J Appl Physiol** 1985;54(1):122-4

Influence of dark-rearing on the ontogenetic development of Sarotherodon mossambicus (Cichlidae, Teleostei): I. Effects on body weight, body growth pattern, swimming activity and visual acuity. Zeutzius I, et al. **Exp Biol** 1984; 43(2):77-85

The distal hindlimb musculature of the cat. Patterns of normal use. Abraham LD, et al. **Exp Brain Res** 1985;58(3):583-93

Motor behavior underlying the control of an upside-down vertical posture. Clément G, et al. **Exp Brain Res** 1985; 59(3):478-84

Operant control of the pattern of licking in rats. Hernandez-Mesa N, et al. **Exp Brain Res** 1985;58(1):117-24

Vertical neuronal arrays in the postcentral gyrus signaling active touch: a receptive field study in the conscious monkey. Iwamura Y, et al. **Exp Brain Res** 1985; 58(2):412-20

Motor effects produced by stimulation of secondary somatosensory (SII) cortex in the monkey. Mori A, et al. **Exp Brain Res** 1985;58(3):440-2

The responses of cat motor cortical units to electrical cutaneous stimulation during locomotion and during lifting, falling and landing. Palmer CI, et al. **Exp Brain Res** 1985; 58(1):102-16

A quantitative analysis of stimulus- and movement-related responses in the posterior parietal cortex of the monkey. Seal J, et al. **Exp Brain Res** 1985;58(1):144-53

Dysfunction of the midbrain angular complex can accentuate or attenuate circling behaviour in the rat. Starr MS, et al. **Exp Brain Res** 1985;58(1):45-55

Effects of entopeduncular lesions upon treadmill locomotion in cats. Vilensky JA, et al. **Exp Brain Res** 1985;57(3):617-9

L-dopa-induced locomotor-like activity in ankle flexor and extensor nerves of chronic and acute spinal cats. Baker LL, et al. **Exp Neurol** 1984 Dec;86(3):515-26

Effects of brain epinephrine depletion on thermoregulation, reflex bradycardia, and motor activity in rats. Tsai SH, et al. **Exp Neurol** 1985 Mar;87(3):428-38

Circling behavior in mice and rats: possible relationship to isolation-induced aggression. Jerussi TP, et al. **Experientia** 1985 Mar 15;41(3):329-31

Adrenocortical responses to novel stressors in acutely or repeatedly starved chickens. Rees A, et al. **Gen Comp Endocrinol** 1985 Jul;59(1):105-9

Dexterity performance and reduced ambient temperature. Riley MW, et al. **Hum Factors** 1984 Apr;26(2):207-14

Is the hypertensive rat really hyperreactive? Sutterer JR, et al. **Hypertension** 1984 Nov-Dec;6(6 Pt 1):868-76

Retrograde electrical pacing and its influence on the migrating motor complex of the canine jejunum. Monson JR, et al. **Ir J Med Sci** 1984 May;153(5):161-5

Cardiopulmonary reflexes and blood pressure in exercising sinoaortic-denervated dogs. Daskalopoulos DA, et al. **J Appl Physiol** 1984 Nov;57(5):1417-21

Related and unrelated changes in response to exercise and cold in rats: a reevaluation. Harri M, et al. **J Appl Physiol** 1984 Nov;57(5):1489-97

Hemodynamic and metabolic effects of exercise in Crotalaria-induced pulmonary hypertension in rats. McNabb LJ, et al. **J Appl Physiol** 1984 Dec;57(6):1829-33

Causes of the triglyceride–lowering effect of exercise training in rats. Mondon CE, et al. **J Appl Physiol** 1984 Nov; 57(5):1466–71

Treadmill vs. floor walking: kinematics, electromyogram, and heart rate. Murray MP, et al. **J Appl Physiol** 1985 Jul; 59(1):87–91

Temperature regulation during treadmill exercise in the rat. Shellock FG, et al. **J Appl Physiol** 1984 Dec;57(6):1872–7

Effects of chronic exercise during aging on muscle and end–plate morphology in rats. Stebbins CL, et al. **J Appl Physiol** 1985 Jan;58(1):45–51

Muscle glycogen repletion after exercise in trained normal and diabetic rats. Tan MH, et al. **J Appl Physiol** 1984 Nov; 57(5):1404–8

Control properties of motor units. De Luca CJ. **J Exp Biol** 1985 Mar;115:125–36

Motoneurone task groups: coping with kinematic heterogeneity. Loeb GE. **J Exp Biol** 1985 Mar;115:137–46

Surgery to achieve dynamic motor balance in adult acquired spastic hemiplegia: a preliminary report. Pinzur MS. **J Hand Surg [Am]** 1985 Jul;10(4):547–53

Interactions between naloxone and GABA in the control of locomotor activity in the rat. Agmo A, et al. **J Neural Transm** 1985;61(3–4):137–49

Three forms of the scratch reflex in the spinal turtle: movement analyses. Mortin LI, et al. **J Neurophysiol** 1985 Jun;53(6):1501–16

Sequential activation of neurons in primate motor cortex during unrestrained forelimb movement. Murphy JT, et al. **J Neurophysiol** 1985 Feb;53(2):435–45

Three forms of the scratch reflex in the spinal turtle: central generation of motor patterns. Robertson GA, et al. **J Neurophysiol** 1985 Jun;53(6):1517–34

Excitatory and inhibitory postsynaptic potentials in alpha–motoneurons produced during fictive locomotion by stimulation of the mesencephalic locomotor region. Shefchyk SJ, et al. **J Neurophysiol** 1985 Jun;53(6):1345–55

Thigh muscle activity during maximum–height jumps by cats. Zajac FE. **J Neurophysiol** 1985 Apr;53(4):979–94

Neural mechanisms of motor program switching in the mollusc Pleurobranchaea. I. Central motor programs underlying ingestion, egestion, and the 'neutral' rhythm(s). Croll RP, et al. **J Neurosci** 1985 Jan;5(1):48–55

Neural mechanisms of motor program switching in the mollusc Pleurobranchaea. II. Role of the ventral white cell, anterior ventral, and B3 buccal neurons. Croll RP, et al. **J Neurosci** 1985 Jan;5(1):56–63

Neural mechanisms of motor program switching in the mollusc Pleurobranchaea. III. Role fo the paracerebral neurons and other identified brain neurons. Croll RP, et al. **J Neurosci** 1985 Jan;5(1):64–71

Sensory and motor responses to deep brain stimulation. Correlation with anatomical structures. Namba S, et al. **J Neurosurg** 1985 Aug;63(2):224–34

Phasic modulation of trunk muscle efferents during fictive spinal locomotion in cats. Koehler WJ, et al. **J Physiol (Lond)** 1984 Aug;353:187–97

Studies on exercise and an elastic protein 'connectin' in hindlimb muscle of growing rat. Yamaguchi M, et al. **Jpn J Physiol** 1985;35(1):21–32

Heritable differences in turning behavior of rats. Glick SD. **Life Sci** 1985 Feb 4;36(5):499–503

Marked behavioral and biochemical sensitivity to lesion size in the posterior cortex of the rat. Moran TH, et al. **Life Sci** 1984 Sep 24;35(13):1337–42

Developmental regulation of motor function: an uncharted sea. O'Donovan MJ. **Med Sci Sports Exerc** 1985 Feb; 17(1):35–43 (68 ref.)

Cerebellar cortex role of climbing fiber afferents. Ebner TJ. **Minn Med** 1985 Jul;68(7):546–9

Functional neuronal replacement by grafted striatal neurones in the ibotenic acid–lesioned rat striatum. Isacson O, et al. **Nature** 1984 Oct 4–10;311(5985):458–60

Thioacetamide–induced hepatic encephalopathy in the rat. Clinical observations. Pluta R, et al. **Neuropatol Pol** 1984; 22(3):379–85

Activity–wheel stress: effects on brain monoamines and the pituitary–gonadal axis. Hellhammer DH, et al. **Neuropsychobiology** 1984;11(4):251–4

Functional alteration of opioid receptor subtypes in the mice exhibited conditioned suppression in motility. Kameyama T, et al. **Neurosci Lett** 1985 Feb 4;53(3):263–6

Hesitation vowels: a motor speech respiration hypothesis. Schönle PW, et al. **Neurosci Lett** 1985 Apr 19;55(3):293–6

Substantia innominata: critical link in the behavioral expression of mesolimbic dopamine stimulation in the rat. Swerdlow NR, et al. **Neurosci Lett** 1984 Sep 7; 50(1–3):19–24

Unilateral lesion of the intrinsic cells in the medial forebrain bundle depresses self–stimulation but not stimulus–bound locomotor activity. Velley L. **Neurosci Lett** 1985 Jun 12; 57(2):199–204

Cerebellar influence on the time structure of movement in the electric fish Eigenmannia. Behrend K. **Neuroscience** 1984 Sep;13(1):171–8

Detection of homovanillic acid in vivo using microcomputer–controlled voltammetry: simultaneous monitoring of rat motor activity and striatal dopamine release. O'Neill RD, et al. **Neuroscience** 1985 Mar; 14(3):753–63

Interactive effects of noise with illumination and age on activity of rats. Delay ER. **Percept Mot Skills** 1985 Apr; 60(2):479–83

The role of the GABA mechanisms of the globus pallidus in mediating catalepsy, stereotypy and locomotor activity. Ossowska K, et al. **Pharmacol Biochem Behav** 1984 Dec; 21(6):825–31

Motor sequencing strategies in school–aged children. David KS. **Phys Ther** 1985 Jun;65(6):883–9

Treatment strategies for emotional–motivational blocks to motor functioning in children. Stott DH, et al. **Phys Ther** 1985 Jun;65(6):915–9

Wheel–running during anoestrus and oestrus in the ferret. Donovan BT. **Physiol Behav** 1985 May;34(5):825–9

Control of cage lighting by locomotor activity through feedback circuits. Ferraro JS, et al. **Physiol Behav** 1984 Sep;33(3):487–90

Age, sex and strain differences in activity and habituation in SHR and WKY rats. Hendley ED, et al. **Physiol Behav** 1985 Mar;34(3):379–83

Role of the pineal gland in circadian organization of diurnal ground squirrels. Martinet L, et al. **Physiol Behav** 1985 May;34(5):799–803

The effect of olfactory bulb lesions on agonistic, locomotory and social behavior in mice housed in aggregate. Means LW, et al. **Physiol Behav** 1984 Apr;32(4):657–61

Periodic water availability is not a potent zeitgeber for entrainment of circadian locomotor rhythms in rats. Mistlberger RE, et al. **Physiol Behav** 1985 Jan;34(1):17–22

Recovery of anticipatory activity to restricted feeding in rats with ventromedial hypothalamic lesions. Mistlberger RE, et al. **Physiol Behav** 1984 Aug;33(2):227–35

No basic rest–activity cycle in head, wrist or ankle. Okudaira N, et al. **Physiol Behav** 1984 May;32(5):843–5

A new stabilimeter for small laboratory animals. Parreño A, et al. **Physiol Behav** 1985 Mar;34(3):475–8

Circadian rhythms and patterns of running–wheel activity, feeding and drinking behaviors of old male rats. Peng MT, et al. **Physiol Behav** 1984 Oct;33(4):615–20

Electrolytic current parameters in the dorsolateral tegmental obesity syndrome in rats. Peters RH, et al. **Physiol Behav** 1985 Jan;34(1):57–60

Splitting of the circadian rhythm of body temperature in the golden hamster. Pickard GE, et al. **Physiol Behav** 1984 May;32(5):763–6

Voluntary exercise, food intake, and plasma metabolites in streptozotocin–diabetic Syrian hamsters. Rowland N, et al. **Physiol Behav** 1985 Apr;34(4):635–40

Effects of chronic cold exposure on wheel running, food intake and fatty acid synthesis in Syrian hamsters. Rowland N. **Physiol Behav** 1984 Aug;33(2):253–6

Effects of maternal isolation on the development of activity rhythms in infant rats. Smith GK, et al. **Physiol Behav** 1984 Nov;33(5):751–6

Phase shifts of circadian rhythms in activity entrained to food access. Stephan FK. **Physiol Behav** 1984 Apr;32(4):663–71

Interactions between nocturnal feeding and wheel running patterns in the rat. Stewart KT, et al. **Physiol Behav** 1985 Apr;34(4):601–8

Inter and intratrial variation in cat locomotor behavior. Vilensky JA, et al. **Physiol Behav** 1984 Nov;33(5):733–43

Small intestine biopotentials in rats after hypokinesia. Groza P, et al. **Physiologie** 1984 Jul–Sep;21(3):159–66

Sex differences in visual half–field superiority as a function of responding hand and motor demands. Heister G. **Prog Brain Res** 1984;61:457–68

Serotonin and schizophrenia: correlations between serotonergic activity and schizophrenic motor behavior. King R, et al. **Psychiatry Res** 1985 Mar;14(3):235–40

Separation of the associative and non–associative effects of brain serotonin released by p–chloroamphetamine: dissociable serotoninergic involvement in avoidance learning, pain and motor function. Ogren SO, et al. **Psychopharmacology (Berlin)** 1985;86(1–2):12–26

Activity wheel stress: changes in brain norepinephrine turnover and the occurrence of gastric lesions. Rea MA, et al. **Psychother Psychosom** 1984;42(1–4):218–23

Stimulation by central command of locomotion, respiration and circulation during exercise. Eldridge FL, et al. **Respir Physiol** 1985 Mar;59(3):313–37

Multiple circadian oscillators regulate the timing of behavioral and endocrine rhythms in female golden hamsters. Swann JM, et al. **Science** 1985 May 17; 228(4701):898–900

[Methods of studying the motor and perceptual development of children] Ibsen KK, et al. **Ugeskr Laeger** 1985 Feb 11; 147(7):591–6 (Eng. Abstr.) **(Dan)**

[Vigilance and motor activity] Offenloch K. **EEG EMG** 1984 Dec;15(4):203–5 (Eng. Abstr.) **(Ger)**

[Biomechanical prerequisites for the leap–off of Senegal galagos] Günther MM. **Z Morphol Anthropol** 1985; 75(3):287–306 (Eng. Abstr.) **(Ger)**

[Temperature changes in the brain and selected body regions and behavioral changes in rabbits exposed to elevated environmental temperature] Pluta R. **Neuropatol Pol** 1984; 22(3):435–44 (Eng. Abstr.) **(Pol)**

[Degree and dynamics of changes in physical work capacity of children and adolescents in relation to somatic development and motor activity] Woynarowska B. **Probl Med Wieku Rozwoj** 1984;13:32–49 (Eng. Abstr.) **(Pol)**

[Reactivity of the sleeping human brain: motor and electro–encephalographic correlates of evoked reactions] Arons EK, et al. **Biol Nauki** 1984;(10):56–60 (Eng. Abstr.) **(Rus)**

[Adrenergic mechanisms regulating the motor reactions of rats in the early postnatal period] Praznikov VP. **Biull Eksp Biol Med** 1984 Sep;98(9):264–6 (Eng. Abstr.) **(Rus)**

[Neurophysiological correlates of ideomotor tension in the athlete] Kogan AB, et al. **Dokl Akad Nauk SSSR** 1984; 278(5):1263–4 **(Rus)**

[Ultrastructural changes in axomuscular synapses during increased motor activity] Studitskiĭ AN, et al. **Dokl Akad Nauk SSSR** 1985;281(2):426–8 **(Rus)**

[Ultrastructural organization of the neuromuscular synapses in red muscle fibers of rats during increased motor activity] Umnova MM, et al. **Dokl Akad Nauk SSSR** 1985; 280(5):1239–41 **(Rus)**

[Correlation between the characteristics of a presentation EEG and the extreme time of the sensorimotor reaction] Korol'kova TA, et al. **Fiziol Cheloveka** 1984 Nov–Dec; 10(6):951–8 **(Rus)**

[Disorders in the process of organizing a motor command in the choice reactions of chronic alcoholism patients] Vazhnova TN, et al. **Fiziol Cheloveka** 1984 Jul–Aug; 10(4):548–55 **(Rus)**

[Stable motor states in embryogenesis and their physiological analysis] Bogdanov OV. **Fiziol Zh SSSR** 1984 Jul; 70(7):1038–45 (Eng. Abstr.) **(Rus)**

[Integration of motor and autonomic functions during muscle work] Gandel'sman AB, et al. **Fiziol Zh SSSR** 1984 Dec; 70(12):1611–6 (Eng. Abstr.) **(Rus)**

[Asymmetry of motor function in the forelimbs of cats] Glumov GM. **Fiziol Zh SSSR** 1984 Sep;70(9):1332–7 (Eng. Abstr.) **(Rus)**

[Flexible and rigid connections in the regulation of motor activity] Zimkin NV, et al. **Fiziol Zh SSSR** 1984 Jul; 70(7):1031–7 (20 ref.) (Eng. Abstr.) **(Rus)**

[Effect of motor activity on the physical work capacity of schoolchildren with excessive body weight] Abrosimova LI, et al. **Gig Sanit** 1984 Aug;(8):29–32 (Eng. Abstr.) **(Rus)**

[Effect of immunoglobulins on work capacity of irradiated animals] Arlashchenko NI, et al. **Izv Akad Nauk SSSR [Biol]** 1985 May–Jun;(3):404–11 (Eng. Abstr.) **(Rus)**

[Rheological blood indicators during motor activity of various degrees] Ivanov AP, et al. **Kosm Biol Aviakosm Med** 1985 Jan–Feb;19(1):29–31 (Eng. Abstr.) **(Rus)**

[Regulation of physical activity during head–down tilt by action on the sympathetic–adrenal and hypophyseal–adrenal cortical systems] Shirinian EA, et al. **Kosm Biol Aviakosm Med** 1985 Mar–Apr;19(2):87–9 **(Rus)**

[Effect of a motor regimen on the physical work capacity of sailors during the postcruise rest period] Bobrov IuM, et al. **Voen Med Zh** 1985 Jun;(6):68–71 **(Rus)**

[Role of catecholamines in regulating motor functions (review)] Barkhatova VP. **Zh Nevropatol Psikhiatr** 1985; 85(7):1068–74 (81 ref.) **(Rus)**

[Relation between the dynamics of a species–specific motor reaction and the duration of diencephalic stimulation] Belyĭ VP, et al. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec;34(6):1072–7 (Eng. Abstr.) **(Rus)**

[Interhemispheric asymmetry and motor activity in rodents] Bianki VL, et al. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec; 34(6):1093–9 **(Rus)**

[Spatial–motor asymmetry in rat behavior] Riabinskaia EA, et al. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec;34(6):1078–85 (Eng. Abstr.) **(Rus)**

[Role of M– and N–cholinergic systems in the recovery of motor functions after removal of the motor zones of the cerebral cortex in cats] Shalkovskaia LN, et al. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec;34(6):1066–71 (Eng. Abstr.) **(Rus)**

[Features of the background activity of nearby neurons of the motor cortex of the rat in situations of free general motor activity] Stashkevich IS. **Zh Vyssh Nerv Deiat** 1984 Jul–Aug;34(4):794–6 **(Rus)**

[Asymmetry in direction of movement in the Myrmica rubra ant during labyrinth training] Udalova GP, et al. **Zh Vyssh Nerv Deiat** 1985 Mar–Apr;35(2):377–9 **(Rus)**

RADIATION EFFECTS

Results of studies of potential light spectrum effects on human performance. Irvine AB, et al. **Photochem Photobiol** 1985 Jun;41(6):655–9

Effects of mixed neutron–gamma total–body irradiation on physical activity performance of rhesus monkeys. Franz CG. **Radiat Res** 1985 Mar;101(3):434–41

MOTOR CORTEX

Non–invasive magnetic stimulation of human motor cortex [letter] Barker AT, et al. **Lancet** 1985 May 11; 1(8437):1106–7

ANATOMY & HISTOLOGY

The presylvian cortex as a transitional prefronto–motor zone in dog. Kosmal A, et al. **Acta Neurobiol Exp (Warsz)** 1984; 44(6):273–87

Projection of the digit and wrist area of precentral gyrus to the putamen: relation between topography and physiological properties of neurons in the putamen. Liles SL, et al. **Brain Res** 1985 Jul 29;339(2):245–55

Interconnections within the postarcuate cortex (area 6) of the macaque monkey. Matelli M, et al. **Brain Res** 1984 Sep 24;310(2):388–92

Efferent fibers from the motor cortex terminate bilaterally in the thalamus of rats and cats. Molinari M, et al. **Exp Brain Res** 1985;57(2):305–12

The thalamic connections with medial area 6 (supplementary motor cortex) in the monkey (macaca fascicularis). Wiesendanger R, et al. **Exp Brain Res** 1985;59(1):91–104

Cerebello–cortical linkage in the monkey as revealed by transcellular labeling with the lectin wheat germ agglutinin conjugated to the marker horseradish peroxidase. Wiesendanger R, et al. **Exp Brain Res** 1985;59(1):105–17

Projections to the basilar pontine nuclei from face sensory and motor regions of the cerebral cortex in the rat. Mihailoff GA, et al. **J Comp Neurol** 1985 Jul 8; 237(2):251–63

Distribution and morphology of callosal commissural neurons within the motor cortex of normal and reeler mice. Terashima T, et al. **J Comp Neurol** 1985 Feb 1;232(1):83–98

Topographical arrangements of feline motor cortical projections onto the pretectum. Flindt–Egebak P, et al. **Neurosci Lett** 1984 Nov 23;52(1–2):85–9

Horseradish peroxidase studies on thalamic and striatal connections of the mesial part of area 6 in the monkey. Miyata M, et al. **Neurosci Lett** 1984 Aug 24;49(1–2):127–33

Synaptic organization of the cerebello–thalamo–cerebral pathway in the cat. I. Projection of individual cerebellar nuclei to single pyramidal tract neurons in areas 4 and 6. Shinoda Y, et al. **Neurosci Res** 1985 Feb;2(3):133–56

[Study of thalamic input in the motor area of the cat cortex by means of retrograde axonal transport of horseradish peroxidase] Kostanian EG, et al. **Neirofiziologiia** 1985; 17(2):250–5 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Epilepsia partialis continua: active cortical spike discharges and high cerebral blood flow in the motor cortex and enhanced transcortical long loop reflex. Kuroiwa Y, et al. **J Neurol** 1985;232(3):162–6

Focal luxury perfusion with an early–filling vein in relation to neurological symptoms evoked by heat. Yorifuji S, et al. **J Neurol** 1985;232(1):58–9

CYTOLOGY

Age–related changes of pyramidal cell basal dendrites in layers III and V of human motor cortex: a quantitative Golgi study. Nakamura S, et al. **Acta Neuropathol (Berl)** 1985;65(3–4):281–4

Cells of origin and topographic organization of corticospinal neurons in the guinea pig by the retrograde HRP method. Rapisarda C, et al. **Brain Res** 1985 May 13;334(1):85–96

Variability in the terminations of GABAergic chandelier cell axons on initial segments of pyramidal cell axons in the monkey sensory–motor cortex. DeFelipe J, et al. **J Comp Neurol** 1985 Jan 15;231(3):364–84

DRUG EFFECTS

Penicillin–induced epileptic phenomena in the rabbit's neocortex II. Laminar specific generation of interictal spikes after the application of penicillin to different cortical depths. Pockberger H, et al. **Brain Res** 1984 Sep 10; 309(2):261–9

Penicillin–induced epileptic phenomena in the rabbit's neocortex I. The development of interictal spikes after epicortical application of penicillin. Pockberger H, et al. **Brain Res** 1984 Sep 10;309(2):247–60

Depolarization–induced effects of Ca2+–calmodulin–dependent protein kinase injection, in vivo, in single neurons of cat motor cortex. Woody CD, et al. **Brain Res** 1984 Oct 29;321(1):192–7

[Analysis of the plastic properties of the postsynaptic neuron in the sensory motor cortex in response to repeated microphoretic administration of gamma–aminobutyric acid] Kotliar BI, et al. **Biol Nauki** 1984;(9):52–6 (Eng. Abstr.) **(Rus)**

[Effect of strychnine on evoked potentials and postsynaptic responses of sensomotor cortex neurons in the cat] Kokaia MG, et al. **Neirofiziologiia** 1984;16(4):480–7 (Eng. Abstr.) **(Rus)**

[Effect of microelectrophoretic application of GABA on the formation of a cellular analog of a conditioned reaction] Aleksandrov AA, et al. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec;34(6):1122–7 (Eng. Abstr.) **(Rus)**

[Effect of desglycyl–8–arginine vasopressin on cerebral cortical neuronal activity in the alert cat] Bogdanov AV. **Zh Vyssh Nerv Deiat** 1984 Jul–Aug;34(4):797–9 **(Rus)**

GROWTH & DEVELOPMENT

The development of commissural connections of somatic motor–sensory areas of neocortex in the North American opossum. Cabana T, et al. **Anat Embryol (Berl)** 1985; 171(1):121–8

Fetal frontal cortex transplant (14C) 2–deoxyglucose uptake and histology: survival in cavities of host rat brain motor cortex. Sharp FR, et al. **Neurology (NY)** 1984 Oct; 34(10):1305–11

INJURIES

[Dynamics of the activity of the postural asymmetry factor after unilateral damage to the motor area of the cortex] Varlinskaia EI, et al. **Biull Eksp Biol Med** 1984 Sep; 98(9):281–3 (Eng. Abstr.) **(Rus)**

[Parity of the cerebral hemispheres in the mechanism of recovery of disordered movements after unilateral damage to the motor zone in the cat] Dulinets VV, et al. **Zh Vyssh Nerv Deiat** 1985 May–Jun;35(3):581–2 **(Rus)**

[Role of M– and N–cholinergic systems in the recovery of motor functions after removal of the motor zones of the cerebral cortex in cats] Shalkovskaia LN, et al. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec;34(6):1066–71 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of alpha–amino–4–phosphonobutyrate on the release of endogenous glutamate and aspartate from cortical synaptosomes of epileptic rats. Abdul–Ghani AS. **J Neurochem** 1985 Aug;45(2):365–9

The orthograde flow of tritiated proline in corticospinal neurons at various ages and after spinal cord injury. Feringa ER, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep; 47(9):917–20

Properties of persistent sodium conductance and calcium conductance of layer V neurons from cat sensorimotor cortex in vitro. Stafstrom CE, et al. **J Neurophysiol** 1985 Jan;53(1):153–70

PATHOLOGY

Thoracic dorsal funicular lesions affect the bouton patterns on, and diameters of, layer VB pyramidal cell somata in rat hindlimb cortex. Ganchrow D, et al. **J Neurosci Res** 1985;14(1):71–81

Secondary transneuronal degeneration: cortical changes induced by peripheral nerve section in neonatal rats. Chimelli L, et al. **Neurosci Lett** 1985 Jun 4;57(1):57–63

PHYSIOLOGY

The primate premotor cortex: past, present, and preparatory. Wise SP. **Annu Rev Neurosci** 1985;8:1–19 (80 ref.)

The effects of a glycine antagonist (strychnine) on cortically induced rhythmical jaw movements in the anesthetized guinea pig. Chandler SH, et al. **Brain Res** 1985 Jan 28; 325(1–2):181–6

Effects of a serotonin agonist and antagonist on cortically induced rhythmical jaw movements in the anesthetized guinea pig. Chandler SH, et al. **Brain Res** 1985 May 20; 334(2):201–6

Differentiation of the neural pathways mediating cortically induced and dopaminergic activation of the central pattern generator (CPG) for rhythmical jaw movements in the anesthetized guinea pig. Chandler SH, et al. **Brain Res** 1984 Dec 10;323(2):297–301

Projection of phrenic nerve afferents to the cat sensorimotor cortex. Davenport PW, et al. **Brain Res** 1985 Feb 25; 328(1):150–3

Contrasting properties of neurons in two parts of the primary motor cortex of the awake rat. Donoghue JP. **Brain Res** 1985 Apr 29;333(1):173–7

Activity of muscle spindles, motor cortex and cerebellar nuclei during action tremor. Elble RJ, et al. **Brain Res** 1984 Dec 10;323(2):330–4

Excitatory input from sensory motor cortex to neostriatum and its modification by conditioning stimulation of the substantia nigra. Hirata K, et al. **Brain Res** 1984 Oct 29; 321(1):1–8

Inhibitory response of pallidal neurons to cortical stimulation and the influence of conditioning stimulation of substantia nigra. Hirata K, et al. **Brain Res** 1984 Oct 29;321(1):9–19

Focal and diffuse metabolic changes in the spinal cord of the monkey elicited by microstimulation of differing motor cortical foci. Kosar E, et al. **Brain Res** 1984 Sep 17; 310(1):43–54

The relationship between cortically induced mandibular movements and lateral pterygoid and digastric muscle EMG activity in the anesthetized guinea pig. Lambert RW, et al. **Brain Res** 1985 Mar 11;329(1–2):7–17

Motor cortical neuronal activity patterns in monkeys performing several force tasks at the ankle. Sahrmann SA, et al. **Brain Res** 1984 Sep 17;310(1):55–66

Caudal cuneate nucleus projection to the direct thalamic relay to motor cortex in cat: an electrophysiological and anatomical study. Tamai Y, et al. **Brain Res** 1984 Dec 10; 323(2):360–4

Studies on the in vivo release of vasoactive intestinal polypeptide (VIP) from the cerebral cortex: effects of cortical, brainstem and somatic stimuli. Wang JY, et al. **Brain Res** 1985 Feb 11;326(2):317–34

Two different mechanisms control inhibition of spike discharge in neurons of cat motor cortex after stimulation of the pyramidal tract. Woody CD, et al. **Brain Res** 1985 Apr 22;332(2):369–75

Cross correlation studies in primate motor cortex: synaptic interaction and shared input. Murphy JT, et al. **Can J Neurol Sci** 1985 Feb;12(1):11–23

Cross correlation studies in primate motor cortex: event related correlation. Murphy JT, et al. **Can J Neurol Sci** 1985 Feb;12(1):24–30

Responses of cat vestibular neurons to stimulation of the frontal cortex. Fukushima K, et al. **Exp Brain Res** 1984; 56(2):275–8

Responses of cat motor cortex neurons to cortico–cortical and somatosensory inputs. Herman D, et al. **Exp Brain Res** 1985;57(3):598–604

Area 4 and area 5: differences between the load direction–dependent discharge variability of cells during active postural fixation. Kalaska JF, et al. **Exp Brain Res** 1985;59(1):197–202

Task–related coding of stimulus and response in cat motor cortex. Martin JH, et al. **Exp Brain Res** 1985;57(3):427–42

An anterograde HRP–WGA study of aberrant corticorubral projections following neonatal lesions of the rat sensorimotor cortex. Naus C, et al. **Exp Brain Res** 1985; 59(2):365–71

The responses of cat motor cortical units to electrical cutaneous stimulation during locomotion and during lifting, falling and landing. Palmer CI, et al. **Exp Brain Res** 1985; 58(1):102–16

Effects of claustrum stimulation on spontaneous bioelectrical activity of motor cortex neurons in the cat. Salerno MT, et al. **Exp Neurol** 1984 Nov;86(2):227–39

Experiments on functional role of peripheral input to motor cortex during voluntary movements in the monkey. Asanuma H, et al. **J Neurophysiol** 1984 Aug;52(2):212–27

Kinematic representation of imposed forearm movements by pericruciate neurons (areas 4 and 3a) in the awake cat. Bedingham W, et al. **J Neurophysiol** 1985 Apr; 53(4):886–909

Comparable patterns of muscle facilitation evoked by individual corticomotoneuronal (CM) cells and by single intracortical microstimuli in primates: evidence for functional groups of CM cells. Cheney PD, et al. **J Neurophysiol** 1985 Mar;53(3):786–804

Patterns of facilitation and suppression of antagonist forelimb muscles from motor cortex sites in the awake monkey. Cheney PD, et al. **J Neurophysiol** 1985 Mar;53(3):805–20

Characteristics of corticomotoneuronal postspike facilitation and reciprocal suppression of EMG activity in the monkey. Kasser RJ, et al. **J Neurophysiol** 1985 Apr;53(4):959–78

Contrasting neuronal activity in supplementary and precentral motor cortex of monkeys. II. Responses to movement triggering vs. nontriggering sensory signals. Kurata K, et al. **J Neurophysiol** 1985 Jan;53(1):142–52

Analysis of rhythmical jaw movements produced by electrical stimulation of motor–sensory cortex of rabbits. Lund JP, et al. **J Neurophysiol** 1984 Dec;52(6):1014–29

Effects of stimulation of corpus callosum on precentral neuron activity in the awake monkey. Matsunami K, et al. **J Neurophysiol** 1984 Oct;52(4):676–91

Sequential activation of neurons in primate motor cortex during unrestrained forelimb movement. Murphy JT, et al. **J Neurophysiol** 1985 Feb;53(2):435–45

Cable properties of layer V neurons from cat sensorimotor cortex in vitro. Stafstrom CE, et al. **J Neurophysiol** 1984 Aug;52(2):278–89

Repetitive firing in layer V neurons from cat neocortex in vitro. Stafstrom CE, et al. **J Neurophysiol** 1984 Aug; 52(2):264–77

Properties of subthreshold response and action potential recorded in layer V neurons from cat sensorimotor cortex in vitro. Stafstrom CE, et al. **J Neurophysiol** 1984 Aug; 52(2):244–63

Contrasting neuronal activity in supplementary and precentral motor cortex of monkeys. I. Responses to instructions determining motor responses to forthcoming signals of different modalities. Tanji J, et al. **J Neurophysiol** 1985 Jan;53(1):129–41

Spatial organization of interaction of transcallosal and thalamocortical flows of excitation. Shramm VA, et al. **Neurosci Behav Physiol** 1984 Nov–Dec;14(6):510–5

The postural reaction to the drop of a hindlimb support in the standing cat remains following sensorimotor cortical ablation. Dufossé M, et al. **Neurosci Lett** 1985 Apr 19; 55(3):297–303

Synaptic organization of the cerebello–thalamo–cerebral pathway in the cat. II. Input–output organization of single thalamocortical neurons in the ventrolateral thalamus. Shinoda Y, et al. **Neurosci Res** 1985 Feb;2(3):157–80

Motor evoked potentials from transcranial stimulation of the motor cortex in cats. Levy WJ, et al. **Neurosurgery** 1984 Aug;15(2):214–27

Tooth pulp–evoked potentials in the monkey: cortical surface and intracortical distribution. Chudler EH, et al. **Pain** 1985 Jul;22(3):221–33

Set–related neuronal activity in the premotor cortex of rhesus monkeys: effects of changes in motor set. Wise SP, et al. **Proc R Soc Lond [Biol]** 1985 Jan 22;223(1232):331–54

Changes in latency of evoked potentials after caudate nucleus stimulation. La Grutta V, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Nov; 14(2):153–6

[Functional aspects of the relation between the claustrum and motor cortex in the cat] Crescimanno G, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30;60(6):1233–8 (Eng. Abstr.) **(Ita)**

[Influence of the sensorimotor cortex on single neurons of the nucleus gracilis in the cat] Giuffrida R, et al. **Boll Soc Ital Biol Sper** 1984 Nov 30;60(11):2111–8 (Eng. Abstr.) **(Ita)**

[Effects of stimulation of the claustrum on the spontaneous activity of pyramidal neurons of the contralateral motor areas 4 and 6 in the cat] Salerno MT, et al. **Boll Soc Ital Biol Sper** 1984 Oct 30;60(10):1975-81 (Eng. Abstr.) **(Ita)**

[Inactivation of the postural asymmetry factor at the stage of compensation for the postural disorder induced by unilateral removal of the motor area] Danilovskiĭ MA, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):132-5 (Eng. Abstr.) **(Rus)**

[Spinal interneurons activated by bilateral afferent and cortical influences] Predtechenskaia KS, et al. **Dokl Akad Nauk SSSR** 1985;281(3):765-8 **(Rus)**

[Long-lasting homo- and heterosynaptic posttetanic changes in the neuronal reactions of the sensorimotor cortex] Veber NV, et al. **Dokl Akad Nauk SSSR** 1985;281(2):486-9 **(Rus)**

[Individual characteristics of the system of nonspecific activation in parameters of sensorimotor reaction] Gorev AS. **Fiziol Cheloveka** 1985 Mar-Apr;11(2):331-3 **(Rus)**

[Electrophysiological studies of projections from the parietal associative area to the motor cortex of the cat] Koreniuk II, et al. **Fiziol Zh** 1985 Mar-Apr;31(2):126-33 (Eng. Abstr.) **(Rus)**

[Cortical sensorimotor integration] Batuev AS. **Fiziol Zh SSSR** 1984 Dec;70(12):1606-10 **(Rus)**

[Asymmetry of the interaction of transcallosal and thalamocortical flows in the sensorimotor cortex] Bianki VL, et al. **Fiziol Zh SSSR** 1984 Sep;70(9):1301-10 (Eng. Abstr.) **(Rus)**

[Electrophysiological characteristics of cortico-cortical connections of the parietal associative area of the cerebral cortex (field 5) with the motor cortical zone] Koreniuk II, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):366-72 (Eng. Abstr.) **(Rus)**

[Cortical mechanisms of sensorimotor coordination in the cat] Kulikov GA. **Fiziol Zh SSSR** 1984 Dec;70(12):1659-65 (22 ref.) (Eng. Abstr.) **(Rus)**

[Prolonged negative potentials of the surface of the sensomotor cortex of the cat and responses of neural and glial cells] Okudzhava VM, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1132-41 (Eng. Abstr.) **(Rus)**

[Neurochemical mechanisms of the involvement of sensorimotor cortex neurons in food and orienting-exploratory behavior] Sudakov SK, et al. **Fiziol Zh SSSR** 1984 Sep;70(9):1311-5 (Eng. Abstr.) **(Rus)**

[Prolonged potentiation of responses of the neocortex of the intact brain and in vitro cortical slices] Voronin LL, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1167-77 (Eng. Abstr.) **(Rus)**

[Activity of neurons of the motosensory cortex during natural locomotion in the cat] Beloozerova IN, et al. **Neirofiziologiia** 1985;17(3):406-8 (Eng. Abstr.) **(Rus)**

[Analysis of the spike activity of the neuronal population of the motor cortex in the cat during a postural change conditioned reflex] Busel' BI, et al. **Neirofiziologiia** 1985; 17(1):93-102 (Eng. Abstr.) **(Rus)**

[Activity of motor cortex neurons in the cat during a conditioned postural change reflex] Busel' BI, et al. **Neirofiziologiia** 1984;16(6):745-53 (Eng. Abstr.) **(Rus)**

[Characteristics of monosynaptic connections between neurons of the callosal system and specific thalamic nuclei] Ezrokhi VL, et al. **Neirofiziologiia** 1985;17(3):305-14 (Eng. Abstr.) **(Rus)**

[Modular organization of callosal neurons in the sensomotor area of the cerebral cortex in the rabbit] Ezrokhi VL, et al. **Neirofiziologiia** 1984;16(4):451-7 (Eng. Abstr.) **(Rus)**

[Effect of unilateral cold exclusion of the sensomotor area of the cortex in the cat on the neuronal activity of the symmetrical area] Agnaev AK. **Zh Vyssh Nerv Deiat** 1984 Sep-Oct;34(5):978-9 **(Rus)**

[Morphophysiologic study of reticulo-cortical pathways in the rabbit] Artiukhina NI, et al. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr;35(2):297-305 (Eng. Abstr.) **(Rus)**

[Callosal neurons: monosynaptic connection between them and their descending projections] Ezrokhi VL, et al. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):528-36 (Eng. Abstr.) **(Rus)**

[Plastic changes of the network properties of neurons during learning in the cat] Galashina AG, et al. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):442-8 (Eng. Abstr.) **(Rus)**

[Features of corticofugal effects of the motor area of the cortex on processing of heterogeneous afferentation in the parafascicular complex of the thalamus in the cat] Poliakova AG, et al. **Zh Vyssh Nerv Deiat** 1985 May-Jun; 35(3):510-9 (Eng. Abstr.) **(Rus)**

[Criteria for the functional differentiation of neurons in the rat] Stashkevich IS, et al. **Zh Vyssh Nerv Deiat** 1985 Jan-Feb;35(1):178-81 **(Rus)**

[Features of the background activity of nearby neurons of the motor cortex of the rat in situations of free general motor activity] Stashkevich IS. **Zh Vyssh Nerv Deiat** 1984 Jul-Aug;34(4):794-6 **(Rus)**

PHYSIOPATHOLOGY

Visual allesthesia in manual pointing: some evidence for a sensorimotor cerebral organization. Joanette Y, et al. **Brain Cogn** 1984 Apr;3(2):152-65

Altered patterns of evoked synaptic activity in cortical pyramidal neurons in feline ganglioside storage disease. Karabelas AB, et al. **Brain Res** 1985 Jul 29;339(2):329-36

Electrophysiological analysis of motor cortical plasticity after cortical lesions in newborn rats. Kartje-Tillotson G, et al. **Brain Res** 1985 Apr 15;332(1):103-11

Cell formation in the motor nucleus and mesencephalic nucleus of the trigeminal nerve of rats made hypothyroid by propylthiouracil. Narayanan CH, et al. **Exp Brain Res** 1985;59(2):257-66

Compensatory motor function of the somatosensory cortex for dysfunction of the motor cortex following cerebellar hemispherectomy in the monkey. Sasaki K, et al. **Exp Brain Res** 1984;56(3):532-8

EEG sensorimotor rhythm biofeedback training: some effects on the neurologic precursors of learning disabilities. Tansey MA. **Int J Psychophysiol** 1984 Feb;1(2):163-77

Motor evoked potentials from transcranial stimulation of the motor cortex in humans. Levy WJ, et al. **Neurosurgery** 1984 Sep;15(3):287-302

Cortically evoked motor action potential in spinal cord injury research. Patil AA, et al. **Neurosurgery** 1985 Apr; 16(4):473-6

[Motor analyzer function in disseminated sclerosis patients based on bicycle ergometry data] Iarosh AA, et al. **Vrach Delo** 1984 Oct;(10):82-4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Dynamics of the early ultrastructural changes in sensorimotor cortical neurons of the rat brain after exposure to high doses of gamma-neutron radiation] Abdrakhmanov AA, et al. **Radiobiologiia** 1985 May-Jun;25(3):338-42 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural alterations of motor cortex synaptic junctions in Brown Swiss cattle with weaver syndrome. Aitchison CS, et al. **Am J Vet Res** 1985 Aug;46(8):1733-6

Neuronal chromatin changes in layer V pyramidal cells of somatomotor cortex after pyramidal tract lesions as demonstrated by [3H]actinomycin D binding. Wells MR, et al. **Exp Neurol** 1985 Mar;87(3):393-402

[Ultrastructure of sensorimotor cortex neurons and interneuronal connections in the progeny of alcoholized rats] Popova EN. **Biull Eksp Biol Med** 1984 Dec; 98(12):743-6 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the neurons of the sensorimotor cortex in rats under prolonged hypokinesia] Semenchenko II, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):619-21 (Eng. Abstr.) **(Rus)**

[Ultrastructural analysis of the phenomenon of acute neuronal swelling] Oĭfa AI, et al. **Zh Nevropatol Psikhiatr** 1985; 85(7):1016-20 (Eng. Abstr.) **(Rus)**

MOTOR ENDPLATE see under **NEUROMUSCULAR JUNCTION**

MOTOR NEURONS

Cognitive impairment in motor neuron disease. Gallassi R, et al. **Acta Neurol Scand** 1985 Jun;71(6):480-4

X-linked bulbo-spinal neuronopathy of late onset. Martinelli P, et al. **Acta Neurol Scand** 1985 Jun;71(6):498-503

Is Werdnig-Hoffmann disease a pure lower motor neuron disorder? Towfighi J, et al. **Acta Neuropathol (Berl)** 1985; 65(3-4):270-80

Decreased sensitivity to metocurine in patients with upper motoneuron disease. Shayevitz JR, et al. **Anesth Analg** 1985 Aug;64(8):767-72

Motor neuron disease and adult hexosaminidase A deficiency in two families: evidence for multisystem degeneration. Mitsumoto H, et al. **Ann Neurol** 1985 Apr;17(4):378-85

Relief of dysphagia in motor neurone disease with cricopharyngeal myotomy. David VC. **Ann R Coll Surg Engl** 1985 Jul;67(4):229-31

Motor neurone disease: can we do better? A study of 42 patients [letter] **Br Med J [Clin Res]** 1984 Sep 29; 289(6448):828-9

Motor neurone disease: towards better care [letter] Pentland B, et al. **Br Med J [Clin Res]** 1985 Aug 24;291(6494):546

Distribution of motoneurons in the brain stem of monkeys, innervating the larynx. Yoshida Y, et al. **Brain Res Bull** 1984 Sep;13(3):413-9

Paralysis and unilateral arthritis: is the association established? Needs CJ, et al. **Clin Rheumatol** 1985 Jun; 4(2):176-80

The effect of continuous voluntary activation on neuromuscular transmission: a SFEMG study of myasthenia gravis and anterior horn cell disorders. Ingram DA, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar; 60(3):207-13

Wheelchair provision for patients with motor neurone disease. Pentland B, et al. **Health Bull (Edinb)** 1985 Mar; 43(2):72-5

Identification of stapedius muscle motoneurons in squirrel monkey and bush baby. Thompson GC, et al. **J Comp Neurol** 1985 Jan 8;231(2):270-9

Hypercalcaemia complicating polyneuropathy [letter] Jones TH, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr; 48(4):390-1

Pain in motor neuron disease. Newrick PG, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):838-40

Motor neuron disease in the province of Turin, Italy, 1966-1980. Survival analysis in an unselected population. Mortara P, et al. **J Neurol Sci** 1984 Nov-Dec; 66(2-3):165-73

Electrical stimulation of motor nerves: results of an animal experiment. Breederveld RS. **Life Support Syst** 1984 Jul-Sep;2(3):183-7

Elevated levels of amino acids in the CSF of motor neuron disease patients. de Belleroche J, et al. ***Neurochem Pathol*** *1984 Spring;2(1):1-6*

Familial tic disorder, parkinsonism, motor neuron disease, and acanthocytosis: a new syndrome. Spitz MC, et al. **Neurology** 1985 Mar;35(3):366-70

Retrograde axoplasmic transport of adriamycin: an experimental form of motor neuron disease? Yamamoto T, et al. **Neurology (NY)** 1984 Oct;34(10):1299-304

Localization of motoneurons innervating the muscle of the hard palate in the rat: a horseradish peroxidase study. Jüch PJ, et al. **Neurosci Lett** 1984 Jul 27;48(2):239-43

Identification of motoneurons innervating the tensor tympani muscle in the rabbit: a retrograde horseradish peroxidase study. Takahashi O, et al. **Neurosci Lett** 1984 Aug 24; 49(1-2):19-23

Electrophysiological investigation of beta, beta'-iminodipropionitrile neurotoxicity: monosynaptic reflexes and recurrent inhibition. Gold BG, et al. **Neurotoxicology (Park Forest Il)** 1984 Summer;5(2):1-14

Motor neuron disease presenting with respiratory failure. Report of two cases. Massey EW, et al. **Postgrad Med** 1984 Dec;76(8):216-8

[Anterior horn syndrome (spinal muscular atrophy) in Waldenström's disease] Kiehl U, et al. **Z Arztl Fortbild (Jena)** 1984;78(22):963-4 **(Ger)**

[Autonomic nervous disorder in motor neuron disease] Tamura N. **Rinsho Shinkeigaku** 1984 Dec;24(12):1242-5 (Eng. Abstr.) **(Jpn)**

[An observation of spontaneous discharges by surface EMG in motor neuron disease. Correlation between ratio of evocation by edrophonium and clinical course] Uebayashi Y, et al. **Rinsho Shinkeigaku** 1985 Apr;25(4):401-7 (Eng. Abstr.) **(Jpn)**

[Pathological laughing and crying in motor neuron disease] Yamao S, et al. **Rinsho Shinkeigaku** 1984 Dec;24(12):1235-8 (Eng. Abstr.) **(Jpn)**

[Metal behavior in motor neuron disease] Yoshiro Y. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1794-800 **(Jpn)**

[Functional electric stimulation in paralysis and paresis with damage of the superior motor neuron (letter)] Barés C. **Medicina (B Aires)** 1983;43(6 Pt 2):899 **(Spa)**

[Motor disorders of the extremities in herpes zoster. Presentation of 4 cases] Kulisevsky Bojarski J, et al. **Rev Clin Esp** 1985 Jun;177(1):29-30 (Eng. Abstr.) **(Spa)**

ANALYSIS

Substance P and 5-hydroxytryptamine immunoreactive presynaptic boutons on presumed alpha-motoneurons in the chicken ventral horn. Atsumi S, et al. **Arch Histol Jpn** 1985 Apr;48(2):159-72

Calcitonin gene-related peptide (CGRP)-immunoreactive sensory and motor nerves of the mammalian palate. Rodrigo J, et al. **Histochemistry** 1985;82(1):67 74

Relative postmortem stability of spinal motoneuronal proteins detectable by two-dimensional electrophoresis. Brock TO, et al. **Neurochem Pathol** 1985 Spring;3(1):1-14

ANATOMY & HISTOLOGY

A horseradish peroxidase study of rat lingual motoneurons with axons passing through the cervical nerve. Kitamura S, et al. **Exp Neurol** 1985 Jan;87(1):20-34

The central morphology of the giant interneurons and their spatial relationship with the thoracic motorneurons in the cockroach, Periplaneta americana (Insecta). Collin SP. **J Neurobiol** 1985 Jul;16(4):249-67

Projections from the ventral respiratory group to phrenic and intercostal motoneurons in cat: an autoradiographic study. Feldman JL, et al. **J Neurosci** 1985 Aug; 5(8):1993-2000

Effects of changes in motor unit size on transmitter release at the frog neuromuscular junction. Herrera AA, et al. **J Neurosci** 1985 Jul;5(7):1896-900

CYTOLOGY

Distribution of parasympathetic motoneurones in the oculomotor complex innervating the ciliary ganglion in the marmoset (Callithrix jacchus). Clarke RJ, et al. **Acta Anat (Basel)** 1985;121(1):53-8

Arrangement of supramandibular and suprahyoid motoneurons in the rat; a fluorescent tracer study. Rokx JT, et al. **Acta Anat (Basel)** 1985;122(3):158-62

Retrograde degeneration within the dorsal motor vagal nucleus following bilateral vagotomy in rabbits. Szereda-Przestaszewska M. **Acta Anat (Basel)** 1985; 121(3):133-9

Motor innervation of intrafusal fibers in rat muscle spindles: incomplete separation of dynamic and static systems. Walro JM, et al. **Am J Anat** 1985 May;173(1):55-68

Characteristic distribution of noradrenergic terminals on the anterior horn motoneurons innervating the perineal striated muscles in the rat. An immuno-electromicroscopic study. Kojima M, et al. **Anat Embryol (Berl)** 1985;171(3):267-73

Motor units of the human abductor digiti minimi. Santo Neto H, et al. **Arch Ital Anat Embriol** 1985 Jan-Mar;90(1):47-51

Postnatal changes in the termination pattern of recurrent axon collaterals of triceps surae alpha-motoneurons in the cat. Cullheim S, et al. **Brain Res** 1985 Jan;349(1-2):63-73

Somatotopic relations between spinal motoneurones and muscle fibres of the cat's musculus peroneus longus. Donselaar Y, et al. **Brain Res** 1985 May 27;335(1):81-8

Absence of postnatal death among motoneurones supplying the inferior gluteal nerve of the rat. Hardman VJ, et al. **Brain Res** 1985 Mar;351(1):1-9

Topographic studies relating distribution of Ia- and gamma-fibres in spinal cord and position of muscle spindles in cat tibialis anterior muscle. Huhle R. **Brain Res** 1985 May 6;333(2):299-304

Quantitative compensation by lateral motor column neurons in response to four functional hindlimbs in a frog tadpole. Maheras HM, et al. **Brain Res** 1985 Mar;351(1):150-4

Specificity of innervation among Xenopus twitch muscle fibers. Nudell B, et al. **Brain Res** 1985 Mar 25;330(2):353-7

Sexual dimorphism of pleopod motor neurons in lobster. Page CH. **Brain Res** 1985 Jul 22;339(1):154-7

Crossing dendrites may be a substrate for synchronized activation of penile motoneurons. Rose RD, et al. **Brain Res** 1985 Jul 1;337(2):373-7

Terminations of primary afferents on lumbar motoneurons in the turtle Pseudemys scripta elegans. Ruigrok TJ, et al. **Brain Res** 1985 Jul 22;339(1):141-5

Neuronal increase in the trout (Salmo trutta fario) spinal cord during development. Alfei L, et al. **Cell Mol Biol** 1984; 30(5):471-8

Motoneurons purified by cell sorting respond to two distinct activities in myotube-conditioned medium. Calof AL, et al. **Dev Biol** 1984 Nov;106(1):194-210

Developmental changes in unique cell surface antigens of chick embryo spinal motoneurons and ganglion cells. Tanaka H, et al. **Dev Biol** 1984 Nov;106(1):26-37

An intracellular HRP-study of cat tensor tympani motoneurons. Friauf E, et al. **Exp Brain Res** 1985; 57(3):499-511

A morphometric study of the soma, first-order dendrites and proximal axon of cat lumbar alpha-motoneurones intracellularly labelled with HRP. Ulfhake B. **Exp Brain Res** 1984;56(2):327-34

Spatial distributions of phrenic and medial gastrocnemius motoneurons in the cat spinal cord. Berger AJ, et al. **Exp Neurol** 1984 Dec;86(3):559-75

Quantitative analysis of the dendrites of cat phrenic motoneurons stained intracellularly with horseradish peroxidase. Cameron WE, et al. **J Comp Neurol** 1985 Jan 1;231(1):91-101

On the location and size of laryngeal motoneurons in the cat and rabbit. Davis PJ, et al. **J Comp Neurol** 1984 Nov 20;230(1):13-32

A comparative study of neck muscle motor neurons in a cricket and a locust. Honegger HW, et al. **J Comp Neurol** 1984 Dec 20;230(4):517-35

Number and distribution of stapedius motoneurons in cats. Joseph MP, et al. **J Comp Neurol** 1985 Feb 1;232(1):43-54

Corticomotoneuronal synapses in the monkey: light microscopic localization upon motoneurons of intrinsic muscles of the hand. Lawrence DG, et al. **J Comp Neurol** 1985 Feb 22;232(4):499-510

The organization of motoneurons in the turtle lumbar spinal cord. Ruigrok TJ, et al. **J Comp Neurol** 1984 Sep 1; 228(1):24-37

Morphology of lumbar motoneurons innervating hindlimb muscles in the turtle Pseudemys scripta elegans: an intracellular horseradish peroxidase study. Ruigrok TJ, et al. **J Comp Neurol** 1984 Dec 10;230(3):413-25

Compartmentalization of the cat lateral gastrocnemius motor nucleus. Weeks OI, et al. **J Comp Neurol** 1985 May 8; 235(2):255-67

Dorsal unpaired median neurons, and ventral bilaterally paired neurons, project to a visceral muscle in an insect. Lange AB, et al. **J Neurobiol** 1984 Nov;15(6):441-53

Independent steroid control of the fates of motoneurons and their muscles during insect metamorphosis. Weeks JC, et al. **J Neurosci** 1985 Aug;5(8):2290-300

A structured program in BASIC for cell morphometry: its application to the spinal motoneurone. Pullen AH. **J Neurosci Methods** 1984 Dec;12(2):155-78

Muscle size and motor unit survival in mice. Habgood MD, et al. **J Physiol (Lond)** 1984 Nov;356:303-14

Shared motor innervation between dynamic and static intrafusal muscle fibers in the monkey. Kucera J. **Neurosci Lett** 1985 Jan 7;53(1):27-31

Use of the fluorescent retrograde tracer, Granular blue, in crustacean motor system studies. Rossi-Durand C, et al. **Neurosci Lett** 1985 Apr 9;55(2):97-102

Quantitative differences in horseradish peroxidase-labeling of alpha-motoneurons. Sickles DW, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):69-75

Morphology of motoneurons in a mixed motor pool of the cat facial nucleus that innervate orbicularis oculis and quadratus labii superioris, stained intracellularly with horseradish peroxidase. Shaw MD, et al. **Neuroscience** 1985 Feb;14(2):627-43

Localization of the neurons of origin of efferent fibers in the glossopharyngeal, vagus and accessory nerves in the rat by means of retrograde degeneration and horseradish peroxidase methods. Lü YL, et al. **Okajimas Folia Anat Jpn** 1984 Oct:61(4):287-309

[The distribution of the motor neurons and internuclear neurons within the abducens nucleus in the cat] Kairada K. **Nippon Ganka Gakkai Zasshi** 1984 Oct;88(10):1324-8 **(Jpn)**

[Experimental study of the identification of extraocular muscle motoneurons by retrograde transport of HRP (horseradish peroxidase)] Matsumoto H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Nov;88(11):1369-75 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Effects of catecholamines on spinal motoneurones and spinal reflex discharges in the isolated spinal cord of the newborn rat. Kitazawa T, et al. **Brain Res** 1985 Mar;351(1):31-6

A comparison of the effects of serotonin, substance P and thyrotropin-releasing hormone on excitability of rat spinal motoneurons in vivo. White SR. **Brain Res** 1985 May 27; 335(1):63-70

The effects of acetylcholine, carbamylcholine and gamma-aminobutyric acid on uropod motoneurons in the crayfish Procambarus clarkii and Cambaroides japonicus. Yoshino M, et al. **Comp Biochem Physiol [C]** 1984; 78(2):295-300

Ca++ dependent bistability induced by serotonin in spinal motoneurons. Hounsgaard J, et al. **Exp Brain Res** 1985; 57(2):422-5

Pneumonitis with pleural and pericardial effusion and neuropathy during amiodarone therapy. Clarke B, et al. **Int J Cardiol** 1985 May;8(1):81-8

Regulation of neuron numbers in Xenopus laevis: effects of hormonal manipulation altering size at metamorphosis. Sperry DG, et al. **J Comp Neurol** 1985 Feb 15;232(3):287-98

Cytophotometry of nucleic acids and morphometry of motor neurons and oligodendroglia in the spinal cord of rats treated with CCNU (lomustine). Wygladalska-Jernas H, et al. **J Hirnforsch** 1984;25(5):487-92

Analysis of decreased conductance serotonergic response in Aplysia ink motor neurons. Walsh JP, et al. **J Neurophysiol** 1985 Feb;53(2):590-602

Effect of a muscle relaxant, chlorphenesin carbamate, on the spinal neurons of rats. Kurachi M, et al. **Jpn J Pharmacol** 1984 Sep;36(1):7-13

2,5-Hexanedione and acrylamide produce reorganization of motoneuron perikarya. Sterman AB, et al. **Neuropathol Appl Neurobiol** 1985 May-Jun;11(3):201-12

Potentiation of motoneurone excitability by combined administration of 5-HT agonist and TRH analogue. Clarke KA, et al. **Neuropeptides** 1985 Jun;6(3):269-82

Motoneurone excitability during antidromically evoked inhibition after administration of a thyrotrophin releasing hormone (TRH) analogue. Clarke KA, et al. **Neuropeptides** 1984 Sep;4(5):403-11

Met-enkephalin and morphine but not dynorphin inhibit noxious stimuli-induced release of substance P from rabbit dorsal horn in situ. Hirota N, et al. **Neuropharmacology** 1985 Jun;24(6):567-70

Influence of 11-hydroxy-delta-9-tetrahydrocannabinol on spinal motoneurons in cat. Turkanis SA, et al. **Neuropharmacology** 1984 Dec;23(12A):1435-9

The effect of D-alpha-aminoadipate on excitatory amino acid responses recorded intracellularly from motoneurones of the frog spinal cord. Arenson MS, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):99-104

The excitation of frog motoneurones in vitro by the glutamate analogue, DI-alpha-amino-3-hydroxy-5-methyl-4-isoxazole-propio acid (AMPA), and the effect of amino acid antagonists. King AE, et al. **Neurosci Lett** 1985 Mar 22;55(1):77-82

Excitatory amino acid-induced responses of frog motoneurones bathed in low Na+ media: an intracellular study. Nistri A, et al. **Neuroscience** 1985 Mar;14(3):921-7

Anemonia sulcata toxins modify activation and inactivation of Na+ currents in a crayfish neurone. Hartung K, et al. **Pflugers Arch** 1985 May;404(2):119-25

Measurement of fasciculations as motor nerve ending discharges in the rat: a dose related effect of neostigmine. Sprouse JS, et al. **Proc Soc Exp Biol Med** 1985 Feb; 178(2):304-8

Cholinergic agonist and antagonist interactions on the putative nicotinic cholinoceptor of motor neurons. Bierkamper GG, et al. **Proc West Pharmacol Soc** 1984; 27:353-6

Acrylamide alters oxidative enzyme activity in rat motoneurons. Sickles DW, et al. **Toxicol Lett** 1985 Aug; 26(2-3):111-8

[Effect of fenibut on the GABA B receptors of the spinal motor neurons] Abramets II, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):698-700 (Eng. Abstr.) **(Rus)**

[Effect of mediators on retrograde primulin-labelled motor neurons] Kliuchko EM, et al. **Fiziol Zh** 1984 Nov-Dec; 30(6):730-3 **(Rus)**

[The effect of drugs on laryngeal resistance and motor neuron activity in the recurrent nerve in the cat] Stránsky A, et al. **Bratisl Lek Listy** 1985 May;83(5):573-83 (Eng. Abstr.) **(Slo)**

EMBRYOLOGY

Development of neuromuscular specificity in the grasshopper embryo: guidance of motoneuron growth cones by muscle pioneers. Ball EE, et al. **J Neurosci** 1985 Jul;5(7):1808-19

ENZYMOLOGY

Ornithine decarboxylase in motoneurons during regeneration. Tetzlaff W, et al. **Exp Neurol** 1985 Sep;89(3):679-88

Cell survival characteristics and choline acetyltransferase activity in motor neurone-enriched cultures from chick embryo spinal cord. Flanigan TP, et al. **J Neurochem** 1985 Oct;45(4):1323-6

Choline acetyltransferase activities in single motor neurons from vertebrate spinal cords. Kato T, et al. **J Neurochem** 1985 Mar;44(3):675-9

Localization of choline acetyltransferase within identified motoneurons of the nematode Ascaris. Johnson CD, et al. **J Neurosci** 1985 Aug;5(8):1984-92

Axotomy increases glycogen phosphorylase activity in motoneurones. Woolf CJ, et al. **Neuroscience** 1984 Aug; 12(4):1261-9

IMMUNOLOGY

Calcitonin gene-related peptide immunoreactive sensory and motor nerves of the rat, cat, and monkey esophagus. Rodrigo J, et al. **Gastroenterology** 1985 Feb;88(2):444-51

METABOLISM

Suicide transport of ricin demonstrates the presence of substance P receptors on medullary somatic and autonomic motor neurons. Helke CJ, et al. **Brain Res** 1985 Feb 25; 328(1):190-5

Effects of de-efferentation on chick spinal motoneurons: peroxidase-uptake, and activities of acid phosphatase and N-acetyl-B-glucosaminidase. Clarke PG, et al. **Cell Biol Int Rep** 1985 Aug;9(8):676

Fluorescence histochemical study on the noradrenergic control to the anterior column of the spinal lumbosacral segments of the rat and dog, with special reference to motoneurons innervating the perineal striated muscles (Onuf's nucleus). Kojima M, et al. **Histochemistry** 1984; 81(3):237-41

Microtubule-associated protein 2 within axons of spinal motor neurons: associations with microtubules and neurofilaments in normal and beta,beta'-iminodipropionitrile-treated axons. Papasozomenos SC, et al. **J Cell Biol** 1985 Jan;100(1):74-85

Retrograde axonal transport of gangliosides and glycoproteins in the motoneurons of rat sciatic nerve. Aquino DA, et al. **J Neurochem** 1985 Oct;45(4):1262-7

Single doses of acrylamide reduce retrograde transport velocity. Miller MS, et al. **J Neurochem** 1984 Nov; 43(5):1401-8

Axoplasmic transport of substances in motoneuronal axons of the spinal cord in old age. Frolkis VV, et al. **Mech Ageing Dev** 1985 Jan;29(1):19-28

Evidence for the existence of putative dopamine-, adrenaline- and noradrenaline-containing vagal motor neurons in the brainstem of the rat. Kalia M, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):57-62

Anterograde axonal transport of [125I]wheat germ agglutinin by motor neurons innervating the rat lateral rectus muscle. LaVail JH. **Neurosci Lett** 1984 Sep 7;50(1-3):295-300

Potentiation of a transient outward current by Na+ influx in crayfish neurones. Hartung K. **Pflugers Arch** 1985 May; 404(1):41-4

PATHOLOGY

The effect of reducing the peripheral field on motoneurone development in the rat. Krishnan S, et al. **Brain Res** 1985 Mar;351(1):11-20

Preservation of the nucleus X-pelvic floor motosystem in amyotrophic lateral sclerosis. Schrøder HD, et al. **Clin Neuropathol** 1984 Sep-Oct;3(5):210-6

Developmental neuron cell death in dystrophic and normal chickens. Barnett RI. **Exp Neurol** 1985 Aug;89(2):382-90

The glial reaction in the course of axon regeneration: a stereological study of the rat hypoglossal nucleus. Reisert I, et al. **J Comp Neurol** 1984 Oct 10;229(1):121-8

Quantitative analysis of synaptic boutons on motoneurons of rhesus monkey spinal cord after chronic deafferentation due to cerebral lesions. Inoue Y, et al. **J Hirnforsch** 1984; 25(5):527-36

Experimental amyotrophic lateral sclerosis in the guinea-pig. den Hartog Jager WA. **J Neurol Sci** 1985 Feb;67(2):133-42

'Shaker' calf syndrome: a newly recognized inherited neurodegenerative disorder of horned Hereford calves. Rousseaux CG, et al. **Vet Pathol** 1985 Mar;22(2):104-11

[A clinico-pathological study on multiple system atrophy, with special reference to its striato-nigral lesions and motor neuron involvements] Riku S, et al. **Rinsho Shinkeigaku** 1984 Jun;24(6):552-61 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Response of respiratory motoneurons to release from vagal inhibition in the rabbit. Budzińska K, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(6):249-62

Mathematical description of the electrical activity of a single neuron. Herczyński R, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(3):121-39

Number of potential reversals (turns) and amplitude of the pattern of electrical activity of the abductor pollicis brevis muscle in patients with neurogenic diseases. Bril V, et al. **Acta Neurol Scand** 1984 Sep;70(3):169-75

Linear regression to determine the relationship between F-wave latency and limb length in control dogs. Steiss JE. **Am J Vet Res** 1984 Dec;45(12):2649-50

Flexibility in motor-unit firing pattern in the human temporal and masseter muscles related to type of activation and location. Eriksson PO, et al. **Arch Oral Biol** 1984; 29(9):707-12

Peripheral influences on the central pattern-rhythm generator for tongue movements in the rat. Jüch PJ, et al. **Arch Oral Biol** 1985;30(5):415-21

The localization of motoneurons innervating the canine pharyngeal constrictor muscles in the posterior larynx by the fluorescent double-labeling technique. Hisa Y, et al. **Arch Otorhinolaryngol** 1984;241(1):83-7

Discharge characteristics of motor units and the surface EMG during fatiguing isometric contractions at submaximal tensions. Petrofsky JS, et al. **Aviat Space Environ Med** 1985 Jun;56(6):581-6

Multichannel transmission of proprioceptive input to motoneurons. Feenstra BW, et al. **Biol Cybern** 1985; 52(1):53-8

Syntheses of spinal cord field potentials in the terrapin. Feenstra BW, et al. **Biol Cybern** 1984;50(6):409-18

Responses of the spinal alpha-motoneurone-Renshaw cell system to various differentially distributed segmental afferent and descending inputs. Koehler W, et al. **Biol Cybern** 1985;51(6):417-26

Motor unit recruitment and firing rates interaction in the control of human muscles. Broman H, et al. **Brain Res** 1985 Jul 1;337(2):311-9

A comparison of electromyographic and mechanical fatigue properties in motor units of the cat hindlimb. Clamann HP, et al. **Brain Res** 1985 Feb 18;327(1-2):203-19

Direct monosynaptic contacts between type-identified alpha-motoneurons in the cat. Cullheim S, et al. **Brain Res** 1984 Aug 6;308(1):196-9

Innervation pattern of muscles of one-legged Xenopus laevis supplied by motoneurons from both sides of the spinal cord. Denton CJ, et al. **Brain Res** 1985 Jan;349(1-2):85-94

Motoneurone survival is induced by immature astrocytes from developing avian spinal cord. Eagleson KL, et al. **Brain Res** 1985 Jan;349(1-2):95-104

Membrane potential and input resistance in alpha motoneurons of hindlimb extensors during isolated and clustered episodes of phasic events in REM sleep. Glenn LL, et al. **Brain Res** 1985 Jul 22;339(1):79-86

Factors determining the variation of the afterhyperpolarization duration in cat lumbar alpha-motoneurones. Gustafsson B, et al. **Brain Res** 1985 Feb 11;326(2):392-5

Comparison of group I non-reciprocal inhibition of individual motoneurones of a homogeneous population. Jankowska E, et al. **Brain Res** 1985 Mar 11;329(1-2):379-83

Neuronal and muscle unit properties at different rostro-caudal levels of cat's motoneurone pool. Kernell D, et al. **Brain Res** 1985 May 27;335(1):71-9

Focal and diffuse metabolic changes in the spinal cord of the monkey elicited by microstimulation of differing motor cortical foci. Kosar E, et al. **Brain Res** 1984 Sep 17; 310(1):43-54

Motoneurone survival and neuritic outgrowth promoted by different cell types in embryonic muscle. Nurcombe V, et al. **Brain Res** 1985 Jul;353(1):49-60

'Fusimotor set': new evidence for alpha-independent control of gamma-motoneurones during movement in the awake cat. Prochazka A, et al. **Brain Res** 1985 Jul 22;339(1):136-40

Examination of geniculate ganglion cells contributing sensory fibers to the rat facial 'motor' nerve. Semba K, et al. **Brain Res** 1984 Aug 13;308(2):354-9

Trigeminal sensorimotor mechanisms and eating in the rat. Zeigler HP, et al. **Brain Res** 1984 Aug 6;308(1):149-54

Functional differentiation of hypoglossal motoneurons during the amygdaloid or cortically induced rhythmical jaw and tongue movements in the rat. Kaku T. **Brain Res Bull** 1984 Jul;13(1):147-54

The function of motor nerves innervating slow tonic skeletal muscle in hens with delayed neuropathy induced by tri-o-tolyl phosphate. Durham HD, et al. **Can J Physiol Pharmacol** 1984 Oct;62(10):1268-73

Retrograde labeling of regenerated electromotor neurons with HRP in a teleost fish, Sternarchus albifrons: relation to cell death. Anderson MJ, et al. **Cell Tissue Res** 1985; 241(2):237-40

F-response studies: computer analysis and recovery cycle. Mastaglia FL, et al. **Clin Exp Neurol** 1984;20:217-23

Electrophysiological aspects of synaptic transmission at the electromotor junction of Torpedo marmorata. Erdelyi L, et al. **Comp Biochem Physiol [A]** 1984;79(4):505-11

Specific innervation of muscle fiber types in a developmentally polyinnervated muscle. Gordon H, et al. **Dev Biol** 1985 Sep;111(1):42-50

The growth of motor axons in the spinal cord of Xenopus embryos. Westerfield M, et al. **Dev Biol** 1985 May; 109(1):96-101

Axon growth from limb motorneurons in the locust embryo: the effect of target limb removal on the pattern of axon branching in the periphery. Whitington PM, et al. **Dev Biol** 1984 Dec;106(2):438-49

Functional connections with foreign muscles made by a target-deprived insect motorneuron. Whitington PM. **Dev Biol** 1985 Feb;107(2):537-40

Changes in the recruitment pattern of single motor units in the blink reflex of patients with parkinsonism and hemiplegia. Dengler R, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):16-22

Localization of sensory levels in traumatic quadriplegia by segmental somatosensory evoked potentials. Louis AA, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul; 62(4):313-6

A surface electrode array for detecting action potential trains of single motor units. Masuda T, et al. **Electroencephalogr Clin Neurophysiol** 1985 May; 60(5):435-43

Feasibility of single motor unit control in the m. abductor pollicis brevis and its relation to concentration ability and thumb tapping ability. Beckers WM, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec;24(7):591-7

Recurrent inhibition in spastic hemiplegia. Chaco J, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec;24(7):571-6

Electrophysiological studies in myotonic dystrophy. 2: Single fibre E.M.G. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec; 24(7):537-46

Electrophysiological studies in myotonic dystrophy. 1: Potential motor unit parameters and conduction velocity of the motor and sensory peripheral nerve fibres. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec;24(7):523-35

Dependence of conduction velocity on spike interval during voluntary muscular contraction in human motor units. Morimoto S, et al. **Eur J Applied Physiol** 1984;53(3):191-5

Integration in descending motor pathways controlling the forelimb in the cat. 13. Corticospinal effects in shoulder, elbow, wrist, and digit motoneurones. Alstermark B, et al. **Exp Brain Res** 1985;59(2):353-64

Changes in reciprocal Ia inhibition from wrist extensors to wrist flexors during voluntary movement in man. Cavallari P, et al. **Exp Brain Res** 1984;56(3):574-6

Reciprocal Ia inhibition from the peroneal nerve to soleus motoneurones with special reference to the size of the test reflex. Crone C, et al. **Exp Brain Res** 1985;59(2):418-22

Action of single dynamic fusimotor neurones on cat soleus Ia afferents during muscle shortening. Morgan DL, et al. **Exp Brain Res** 1985;58(1):56-61

After-effects of stretch on the responses of cat soleus muscle spindles to static fusimotor stimulation. Proske U, et al. **Exp Brain Res** 1985;59(1):166-70

Effects of whole-body rotation on masseteric motoneuron excitability. Hickenbottom RS, et al. **Exp Neurol** 1985 Aug; 89(2):442-53

The contribution of neuroscience to exercise studies. Enoka RM, et al. **Fed Proc** 1985 Apr;44(7):2279-85 (49 ref.)

Relationships between hand skill and the excitability of motoneurons innervating the postural soleus muscle in human subjects. Tan U. **Int J Neurosci** 1985 May; 26(3-4):289-300

Lateral asymmetry of H-reflex recovery curves in cat: evidence for a spinal motor asymmetry. Tan U. **Int J Neurosci** 1984 Aug;24(1):45-52

Myoelectric signal conduction velocity and spectral parameters: influence of force and time. Broman H, et al. **J Appl Physiol** 1985 May;58(5):1428-37

Single motor unit and fiber action potentials during fatigue. Sandercock TG, et al. **J Appl Physiol** 1985 Apr; 58(4):1073-9

How flexible is the neural control of muscle properties? Edgerton VR, et al. **J Exp Biol** 1985 Mar;115:393-402

The size-principle: a deterministic output emerges from a set of probabilistic connections. Henneman E. **J Exp Biol** 1985 Mar;115:105-12

Motoneurone task groups: coping with kinematic heterogeneity. Loeb GE. **J Exp Biol** 1985 Mar;115:137-46

Matching of muscle properties and motoneurone firing patterns during early stages of development. Vrbová G, et al. **J Exp Biol** 1985 Mar;115:113-23

Firing patterns of closer motoneurons during reflex activity in the dimorphic claws of the lobster Homarus americanus. Costello WJ, et al. **J Exp Zool** 1984 Aug;231(2):167-75

Motor units of the primary ankle extensor muscles of the opossum (Didelphis virginiana): functional properties and fiber types. Peters SE, et al. **J Morphol** 1984 Sep; 181(3):305-17

Ring neuron control of columellar motor neurons during egg-laying behavior in the pond snail. Jansen RF, et al. **J Neurobiol** 1985 Jan;16(1):1-14

Motor axon sprouting in frog sartorius muscles is not altered by contralateral axotomy. Herrera AA, et al. **J Neurocytol** 1985 Feb;14(1):145-56

Cell lineage relationships in the development of the mammalian CNS. II. Bilateral independence of CNS clones. Herrup K, et al. **J Neurogenet** 1984 Dec;1(4):275-88

Functional and morphometric study of the liver in motor neuron disease. Masui Y, et al. **J Neurol** 1985;232(1):15-9

The effects of conditioning stimuli on the F-response. Mastaglia FL, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):182-4

Damage to the innervation of the voluntary anal and periurethral sphincter musculature in incontinence: an electrophysiological study. Snooks SJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1269-73

Evidence of motor neuron involvement in chronic respiratory insufficiency. Valli G, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1117-21

Physiology of a bidirectional, excitatory, chemical synapse. Anderson PA. **J Neurophysiol** 1985 Mar;53(3):821-35

Recruitment order of motoneurons in stretch reflexes is highly correlated with their axonal conduction velocity. Bawa P, et al. **J Neurophysiol** 1984 Sep;52(3):410-20

Firing patterns of human flexor carpi radialis motor units during the stretch reflex. Calancie B, et al. **J Neurophysiol** 1985 May;53(5):1179-93

Voluntary and reflexive recruitment of flexor carpi radialis motor units in humans. Calancie B, et al. **J Neurophysiol** 1985 May;53(5):1194-200

Heterogeneity of group Ia synapses on homonymous alpha-motoneurons as revealed by high-frequency stimulation of Ia afferent fibers. Collins WF 3d, et al. **J Neurophysiol** 1984 Nov;52(5):980-93

Nonlinear viscosity of human wrist. Gielen CC, et al. **J Neurophysiol** 1984 Sep;52(3):553-69

Pressure and temperature: time-dependent modulation of membrane properties in a bifurcating axon. Grossman Y, et al. **J Neurophysiol** 1984 Oct;52(4):693-708

Characteristics of corticomotoneuronal postspike facilitation and reciprocal suppression of EMG activity in the monkey. Kasser RJ, et al. **J Neurophysiol** 1985 Apr;53(4):959-78

Phasic and tonic modulation of impulse rates in gamma-motoneurons during locomotion in premammillary cats. Murphy PR, et al. **J Neurophysiol** 1984 Aug; 52(2):228-43

Motor organization in pharynx of Helix pomatia. Peters M, et al. **J Neurophysiol** 1984 Sep;52(3):389-409

Determination of afferent fibers mediating oligosynaptic group I input to cat medial gastrocnemius motoneurons. Powers RK, et al. **J Neurophysiol** 1985 Feb;53(2):518-29

Distribution of oligosynaptic group I input to the cat medial gastrocnemius motoneuron pool. Powers RK, et al. **J Neurophysiol** 1985 Feb;53(2):497-517

Synaptic potentials in motoneurons during fictive swimming in spinal Xenopus embryos. Roberts A, et al. **J Neurophysiol** 1985 Jul;54(1):1-10

Excitatory and inhibitory postsynaptic potentials in alpha-motoneurons produced during fictive locomotion by stimulation of the mesencephalic locomotor region. Shefchyk SJ, et al. **J Neurophysiol** 1985 Jun;53(6):1345-55

Relationship among recruitment order, axonal conduction velocity, and muscle-unit properties of type-identified motor units in cat plantaris muscle. Zajac FE, et al. **J Neurophysiol** 1985 May;53(5):1303-22

Membrane electrical properties and prediction of motor-unit type of medial gastrocnemius motoneurons in the cat. Zengel JE, et al. **J Neurophysiol** 1985 May;53(5):1323-44

Development of the topographical projection of motor neurons to a rat muscle accompanies loss of polyneuronal innervation. Bennett MR, et al. **J Neurosci** 1984 Sep; 4(9):2204-12

Physiological and morphological analysis of synaptic transmission between leech motor neurons. Granzow B, et al. **J Neurosci** 1985 Aug;5(8):2035-50

Age-dependent long-term adaptation of crayfish phasic motor axon synapses to altered activity. Lnenicka GA, et al. **J Neurosci** 1985 Feb;5(2):459-67

Monosynaptic inhibition of phrenic motoneurons: a long descending projection from Bötzinger neurons. Merrill EG, et al. **J Neurosci** 1984 Sep;4(9):2350-3

The effect of selective, chronic stimulation on motor unit size in developing rat muscle. Ridge RM, et al. **J Neurosci** 1984 Oct;4(10):2614-20

Regeneration of sensory-motor synapses in the spinal cord of the bullfrog. Sah DW, et al. **J Neurosci** 1984 Nov; 4(11):2784-91

Specificity of early motoneuron growth cone outgrowth in the chick embryo. Tosney KW, et al. **J Neurosci** 1985 Sep; 5(9):2336-44

The regulation of synaptic strength within motor units of the frog cutaneous pectoris muscle. Trussell LO, et al. **J Neurosci** 1985 Jan;5(1):243-54

Dorsal and ventral myotome motoneurons and their input during fictive locomotion in lamprey. Wallén P, et al. **J Neurosci** 1985 Mar;5(3):654-61

Identification of excitatory and inhibitory motoneurons in the nematode Ascaris by electrophysiological techniques. Walrond JP, et al. **J Neurosci** 1985 Jan;5(1):1-8

Excitatory and inhibitory activity in the dorsal musculature of the nematode Ascaris evoked by single dorsal excitatory motonerons. Walrond JP, et al. **J Neurosci** 1985 Jan; 5(1):16-22

Reciprocal inhibition in the motor nervous system of the nematode Ascaris: direct control of ventral inhibitory motoneurons by dorsal excitatory motoneurons. Walrond JP, et al. **J Neurosci** 1985 Jan;5(1):9-15

Pyramidal effects in dorsal neck motoneurones of the cat. Alstermark B, et al. **J Physiol (Lond)** 1985 Jun;363:287-302

Fusimotor reflexes in triceps surae muscle elicited by extension of the contralateral hind limb in the cat. Appelberg B, et al. **J Physiol (Lond)** 1984 Oct;355:99-117

Interactions between motor units and Golgi tendon organs in the tibialis posterior muscle of the cat. Binder MD, et al. **J Physiol (Lond)** 1985 Jul;364:199-215

Structural and topographical influences on functional connectivity in spinal monosynaptic reflex arcs in the cat. Clamann HP, et al. **J Physiol (Lond)** 1985 Jan;358:483-507

Cutaneous receptive field and morphological properties of hamstring flexor alpha-motoneurones in the rat. Cook AJ, et al. **J Physiol (Lond)** 1985 Jul;364:249-63

Behaviour of motor units of human arm muscles: differences between slow isometric contraction and relaxation. Denier van der Gon JJ, et al. **J Physiol (Lond)** 1985 Feb;359:107-18

Effects of stretch on dynamic fusimotor after-effects in cat muscle spindles. Emonet–Dénand F, et al. **J Physiol (Lond)** 1985 Mar;360:201–13

Fusimotor after–effects on responses of primary endings to test dynamic stimuli in cat muscle spindles. Emonet–Dénand F, et al. **J Physiol (Lond)** 1985 Mar; 360:187–200

Synaptic mechanisms involved in the inspiratory modulation of vagal cardio–inhibitory neurones in the cat. Gilbey MP, et al. **J Physiol (Lond)** 1984 Nov;356:65–78

An investigation of threshold properties among cat spinal alpha–motoneurones. Gustafsson B, et al. **J Physiol (Lond)** 1984 Dec;357:453–83

Relations among passive electrical properties of lumbar alpha–motoneurones of the cat. Gustafsson B, et al. **J Physiol (Lond)** 1984 Nov;356:401–31

Effects of axotomy on the distribution of passive electrical properties of cat motoneurones. Gustafsson B, et al. **J Physiol (Lond)** 1984 Nov;356:433–42

Organization of input to the interneurones mediating group I non–reciprocal inhibition of motoneurones in the cat. Harrison PJ, et al. **J Physiol (Lond)** 1985 Apr;361:403–18

Sources of input to interneurones mediating group I non–reciprocal inhibition of motoneurones in the cat. Harrison PJ, et al. **J Physiol (Lond)** 1985 Apr;361:379–401

Crossed actions of group I muscle afferents in the cat. Harrison PJ, et al. **J Physiol (Lond)** 1984 Nov;356:263–73

Facilitation of soleus–coupled Renshaw cells during voluntary contraction of pretibial flexor muscles in man. Katz R, et al. **J Physiol (Lond)** 1984 Oct;355:587–603

Plasticity of non–giant flexion circuitry in chronically cut abdominal nerve cords of the crayfish, Procambarus clarkii. Lee MT, et al. **J Physiol (Lond)** 1984 Oct;355:661–75

The after–effects of stretch and fusimotor stimulation on the responses of primary endings of cat muscle spindles. Morgan DL, et al. **J Physiol (Lond)** 1984 Nov;356:465–77

Biochemistry of rat single muscle fibres in newly assembled motor units following nerve crush. Nemeth PM, et al. **J Physiol (Lond)** 1984 Oct;355:547–55

Non–dopaminergic neurones of the reticular part of substantia nigra can gate static fusimotor action onto flexors in cat. Schwarz M, et al. **J Physiol (Lond)** 1984 Sep; 354:333–44

Cable properties of a neuron model with non–uniform membrane resistivity. Kawato M. **J Theor Biol** 1984 Nov 7;111(1):149–69

Developmental regulation of motor function: an uncharted sea. O'Donovan MJ. **Med Sci Sports Exerc** 1985 Feb; 17(1):35–43 (68 ref.)

Firing patterns of motor units in normal rats. Hennig R, et al. **Nature** 1985 Mar 14–20;314(6007):164–6

Separate sodium and calcium spikes in the same axon. Mackie GO, et al. **Nature** 1985 Feb 28–Mar 6;313(6005):791–3

Neurophysiological data regarding motor pattern generation in the medulla oblongata of toads. Ewert JP, et al. **Naturwissenschaften** 1984 Nov;71(11):590–1

Noninvasive measurement of central sensory and motor conduction. Eisen A, et al. **Neurology** 1985 Apr;35(4):503–9

Peculiarities of cerebellar excitation of facial nucleus motoneurons. Fanardjian VV, et al. **Neurosci Lett** 1984 Aug 31;49(3):265–70

Influence of post–synaptic properties on the time course of synaptic potentials in different types of cat lumbar alpha–motoneurons. Gustafsson B, et al. **Neurosci Lett** 1984 Sep 28;51(1):67–72

Retrograde effects of axotomy on the intramedullary axon collateral systems and recurrent inhibitory reflexes of cat spinal motoneurones. Havton L, et al. **Neurosci Lett** 1984 Nov 23;52(1–2):13–7

Reciprocal inhibition upon initiation of voluntary movement. Kagamihara Y, et al. **Neurosci Lett** 1985 Mar 22;55(1):23–7

Can fusimotor activity potentiate the responses of muscle spindles to a tendon tap? Morgan DL, et al. **Neurosci Lett** 1984 Sep 7;50(1–3):209–15

The ionic mechanism of postsynaptic inhibition in motoneurones of the frog spinal cord. Bührle CP, et al. **Neuroscience** 1985 Feb;14(2):581–92

Localization and axonal transport of immunoreactive cholinergic organelles in rat motor neurons––an immunofluorescent study. Dahlström A, et al. **Neuroscience** 1985 Feb;14(2):607–25

Cortically induced postsynaptic potentials in hypoglossal motoneurons after axotomy. Takata M, et al. **Neuroscience** 1984 Nov;13(3):855–62

Relative prognostic value of best motor response and brain stem reflexes in patients with severe head injury. Born JD, et al. **Neurosurgery** 1985 May;16(5):595–601

Motor evoked potentials from transcranial stimulation of the motor cortex in humans. Levy WJ, et al. **Neurosurgery** 1984 Sep;15(3):287–302

Responses of Renshaw cells coupled with hindlimb extensor motoneurons to sinusoidal stimulation of labyrinth receptors in the decerebrate cat. Pompeiano O, et al. **Pflugers Arch** 1985 Mar;403(3):245–57

Effect of tendon pressure on alpha motoneuron excitability. Kukulka CG, et al. **Phys Ther** 1985 May;65(5):595–600

Differences between mammalian ventral and dorsal spinal roots in response to blockade of potassium channels during maturation. Bowe CM, et al. **Proc R Soc Lond [Biol]** 1985 May 22;224(1236):355–66

Motorneuron pools innervating muscles in vitamin A–induced proximal–distal duplicate limbs in the axolotl. Stephens N, et al. **Proc R Soc Lond [Biol]** 1985 May 22; 224(1236):341–54

A horseradish peroxidase study of motorneuron pools of the forelimb and hindlimb musculature of the axolotl. Stephens N, et al. **Proc R Soc Lond [Biol]** 1985 May 22; 224(1236):325–39

Neuromuscular activity and electromyography in painful backs: psychological and biomechanical models in assessment and treatment. Dolce JJ, et al. **Psychol Bull** 1985 May;97(3):502–20 (72 ref.)

The origins and characteristics of cross–correlated activity between gamma–motoneurones in the cat. Ellaway PH, et al. **Q J Exp Physiol** 1985 Apr;70(2):219–32

The source and distribution of short–term synchrony between gamma–motoneurones in the cat. Ellaway PH, et al. **Q J Exp Physiol** 1985 Apr;70(2):233–47

Responses of early and late onset phrenic motoneurons to lung inflation. Donnelly DF, et al. **Respir Physiol** 1985 Jul; 61(1):69–83

Comparison of phrenic motoneuron activity in eupnea and apneusis. St John WM, et al. **Respir Physiol** 1985 Jun; 60(3):347–55

Hormonal control of the anatomical specificity of motoneuron–to–muscle innervation in rats. Breedlove SM. **Science** 1985 Mar 15;227(4692):1357–9

Androgens prevent normally occurring cell death in a sexually dimorphic spinal nucleus. Nordeen EJ, et al. **Science** 1985 Aug 16;229(4714):671–3

Auditory responses in avian vocal motor neurons: a motor theory for song perception in birds. Williams H, et al. **Science** 1985 Jul 19;229(4710):279–82

[Motor, sensory electroneurographic and electromyographic results as well as somatosensory evoked potentials in comparison to clinical findings following nerve suture] Tackmann W, et al. **Fortschr Neurol Psychiatr** 1985 Apr; 53(4):123–33 (Eng. Abstr.) **(Ger)**

[Correlation of electrophysiologic findings in neural muscular atrophy] Haupt WF, et al. **Nervenarzt** 1985 Apr;56(4):214–7 (Eng. Abstr.) **(Ger)**

[Monopolar needle stimulation––improvement of motor neuron stimulation] Röder H, et al. **Zentralbl Neurochir** 1984;45(4):309–13 (Eng. Abstr.) **(Ger)**

[Cervical and lumbar vestibulo–spinal effects in relation to caloric stimulation of the labyrinth in man] Rossi A, et al. **Acta Otorhinolaryngol Ital** 1984 Sep–Oct;4(5):527–36 (Eng. Abstr.) **(Ita)**

[Potentials of individual muscle fibers evoked by stimulation of prejunctional nerve endings in healthy subjects (preliminary observations)] Caccia MR. **Riv Patol Nerv Ment** 1983 Mar–Apr;104(2):61–74 (Eng. Abstr.) **(Ita)**

[Synaptic basis of cortically induced rhythmical activity of hypoglossal motoneurons in cats] Sahara Y. **Kokubyo Gakkai Zasshi** 1984 Dec;51(4):656–66 (Eng. Abstr.) **(Jpn)**

[Usefulness of studying the H–reflex and F–wave in the diagnosis of lesions of the central nervous system] Bojakowski J. **Neurol Neurochir Pol** 1984 Sep–Oct; 18(5):465–71 (30 ref.) **(Pol)**

[Modulation of postural muscle tonus by thermoreceptive afferents] Minut–Sorokhtina OP, et al. **Arch Exp Veterinarmed** 1984 May;38(3):342–6 (Eng. Abstr.) **(Rus)**

[Optimization of a method for recording the action potentials of human motor units using a needle electrode] Khamitov KhS, et al. **Fiziol Cheloveka** 1985 Jan–Feb;11(1):164–6 **(Rus)**

[Recurrent inhibition in orthodromic stimulation of the motor neurons] Pantseva RE. **Fiziol Cheloveka** 1984 May–Jun; 10(3):385–90 **(Rus)**

[Interaction of the motor centers in posture–evoked asymmetry] Avaliani TV, et al. **Fiziol Zh SSSR** 1985 Apr; 71(4):472–9 (Eng. Abstr.) **(Rus)**

[Postsynaptic potentials of the motor neuron of the facial nerve nucleus evoked by stimulation of the cerebellar nuclei] Fanardzhian VV, et al. **Fiziol Zh SSSR** 1984 Sep; 70(9):1272–9 (Eng. Abstr.) **(Rus)**

[Effect of dorsal root section on synaptic potentials of frog spinal cord motor neurons] Karamian OA. **Fiziol Zh SSSR** 1985 May;71(5):662–5 **(Rus)**

[Interaction between primary segmental afferents and motor neurons in the spinal cord of the lamprey] Shapovalov AI, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1178–88 (Eng. Abstr.) **(Rus)**

[Activity of fusimotor neurons during reflex muscle contraction] Bucho I, et al. **Neirofiziologiia** 1984; 16(5):630–7 (Eng. Abstr.) **(Rus)**

[Synaptic interaction of individual motor neurons of the isolated frog spinal cord] Shapovalov AI, et al. **Neirofiziologiia** 1984;16(5):619–30 (Eng. Abstr.) **(Rus)**

[Antidromic action potentials in the spinal cord motor neurons of the chick embryo] Veluman AA. **Neirofiziologiia** 1985;17(1):70–7 (Eng. Abstr.) **(Rus)**

[Muscle fiber density in motor muscle units at different stages of the development of a denervation–reinnervation process in man] Kasatkina LF. **Patol Fiziol Eksp Ter** 1985 Jan–Feb; (1):42–7 (Eng. Abstr.) **(Rus)**

[Amplitude of miniature potentials of motor neurons in the frog Rana ridibunda] Kurchavyĭ GG. **Zh Evol Biokhim Fiziol** 1984 Sep–Oct;20(5):504–10 (Eng. Abstr.) **(Rus)**

[Behavior of the motor neurons of the external oculomotor nucleus during vestibular stimulation in the waking cat] Gómez C, et al. **Rev Esp Fisiol** 1984 Jun;40(2):141–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Proximal conduction block in early Guillain–Barré syndrome [letter] Mills KR, et al. **Lancet** 1985 Sep 21;2(8456):659

[Conduction in the motor neurons of the peripheral nerves in hemiplegia of cerebral origin] Samusik J. **Neurol Neurochir Pol** 1984 Jul–Aug;18(4):333–8 (Eng. Abstr.) **(Pol)**

[Effects of axotomy on the activity of the motor neurons of the external ocular motor nucleus during saccadic movements] Torres B, et al. **Rev Esp Fisiol** 1985 Mar; 41(1):73–81 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Effect of ionising radiation on the axon reaction of mouse anterior horn motor neurons. A histological and immunocytochemical study using a monoclonal antibody to neurofilament protein. Moss TH, et al. **J Neurol Sci** 1985 Jan;67(1):1–14

[Post–radiotherapy anterior horn cell syndrome] Lagueny A, et al. **Rev Neurol (Paris)** 1985;141(3):222–7 (Eng. Abstr.) **(Fre)**

[Lumbosacral radiation myeloneuropathy. Report of a case and effects of prednisolone treatment] Matsumura K, et al. **Rinsho Shinkeigaku** 1984 Jul;24(7):686–92 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Ultrastructural changes of motoneurons in monkeys infected with enterovirus 71. Brief report. Hashimoto I, et al. **Arch Virol** 1985;86(1–2):137–42

Catecholamine innervation of cervical dendrite bundles: possible phrenic nucleus innervation. Bellinger DL, et al. **Brain Res Bull** 1984 Dec;13(6):701–7

Cells of origin of corticospinal projections to phrenic and thoracic respiratory motoneurones in the cat as shown by retrograde transport of HRP. Rikard–Bell GC, et al. **Brain Res Bull** 1985 Jan;14(1):39–47

The identification of brainstem neurones projecting to thoracic respiratory motoneurones in the cat as demonstrated by retrograde transport of HRP. Rikard–Bell GC, et al. **Brain Res Bull** 1985 Jan;14(1):25–37

Ultrastructural study of motoneurons in Werdnig–Hoffmann disease. Fidziańska A, et al. **Clin Neuropathol** 1984 Nov–Dec;3(6):260–5

Peripheral nerve grafts to the frog optic tectum: a morphological study of the axon reaction in trigeminal motor and sensory neurons. Kaplan EI, et al. **Exp Neurol** 1985 Sep;89(3):659–78

Histological study of motor innervation of nuclear bag1 intrafusal muscle fibers in the cat. Kucera J. **J Comp Neurol** 1985 Feb 15;232(3):331–4

Synaptic connections between the hindwing stretch receptor and flight motor neurones in the locust revealed by double cobalt labelling for electron microscopy. Peters BH, et al. **J Comp Neurol** 1985 Mar 8;233(2):269–84

Central and peripheral neurosecretory pathways to an insect flight motor nerve. Wasserman AJ. **J Neurobiol** 1985 Jul; 16(4):329–46

Presenile dementia with motor neuron disease in Japan: clinico–pathological review of 26 cases. Mitsuyama Y. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):953–9

Age changes of motor innervation and acetylcholine receptor distribution on human skeletal muscle fibres. Oda K. **J Neurol Sci** 1984 Nov–Dec;66(2–3):327–38

Dendritic reorganization of abdominal motoneurons during metamorphosis of the moth, Manduca sexta. Levine RB, et al. **J Neurosci** 1985 Sep;5(9):2424–31

Recurrent inhibition of cat phrenic motoneurons. Lipski J, et al. **J Neurosci** 1985 Jun;5(6):1545–55

Synaptology of alpha–motoneurons in the chicken spinal cord. Atsumi S, et al. **Neurosci Res** 1984 Dec;2(1–2):77–96

MOTOR NEURONS, GAMMA see under **MOTOR NEURONS**

MOTOR SKILLS

see related
CHILD DEVELOPMENT

Children of alcoholic mothers. Growth and motor performance compared to matched controls. Kyllerman M, et al. **Acta Paediatr Scand** 1985 Jan;74(1):20–6

Nine–year follow–up of infants weighing 1 500 g or less at birth. Michelsson K, et al. **Acta Paediatr Scand** 1984 Nov; 73(6):835–41

Attentional strategies and the visual control of discrete movements. McFarquhar RH, et al. **Acta Psychol (Amst)** 1984 Oct;57(2):97–108

Manual asymmetries in the performance of sequential movement by adolescents and adults with Down syndrome. Elliott D. **Am J Ment Defic** 1985 Jul;90(1):90–7

Purposeful activity in motor learning theory: an event approach to motor skill acquisition. Gliner JA. **Am J Occup Ther** 1985 Jan;39(1):28–34

Adult norms for the Box and Block Test of manual dexterity. Mathiowetz V, et al. **Am J Occup Ther** 1985 Jun; 39(6):386–91

Sensory feedback therapy and theoretical knowledge of motor control and learning. Mulder T, et al. **Am J Phys Med** 1984 Oct;63(5):226–44 (52 ref.)

Individual differences in motor skills ability affect the self-regulation of heart rate. McCanne TR, et al. **Biofeedback Self Regul** 1984 Jun;9(2):241–52

Dissociation of motor response from mood and cognition in a parkinsonian patient treated with ECT. Young RC, et al. **Biol Psychiatry** 1985 May;20(5):566–9

The relationship of limb apraxia severity to motor and language deficits. Haaland KY. **Brain Cogn** 1984 Jul;3(3):307–16

Motor and cognitive interference effects on unimanual tapping rates. Keefe K. **Brain Cogn** 1985 Apr;4(2):165–70

Prewalking locomotor movements and their use in predicting standing and walking. Robson P. **Child Care Health Dev** 1984 Sep–Oct;10(5):317–30

Identification of constraints acting on motor development in young visually disabled children and principles of remediation. Sonksen PM, et al. **Child Care Health Dev** 1984 Sep–Oct;10(5):273–86

Development of gross motor skills in the normal child. Sharp JT. **Clin Podiatry** 1984 Dec;1(3):447–57

Neuromotor maturation and psychological performance: a developmental study. Wolff PH, et al. **Dev Med Child Neurol** 1985 Jun;27(3):344–54

Developmental origins of motor coordination: leg movements in human infants. Thelen E. **Dev Psychobiol** 1985 Jan;18(1):1–22

Augmented information and the acquisition of skill in physical activity. Newell KM, et al. **Exerc Sport Sci Rev** 1985;13:235–61 (78 ref.)

Age differences in memory for movement. Toole T, et al. **Exp Aging Res** 1984 Winter;10(4):205–10

Growth, strength and motor performance of Zapotec children, Oaxaca, Mexico. Malina RM, et al. **Hum Biol** 1985 May;57(2):163–81

Motor and mental development of normal babies. II. Validity of indicators. Phatak PT, et al. **Indian Pediatr** 1984 Jul;21(7):525–8

Motor and mental development of normal babies. I. Selection of indicators. Phatak PT, et al. **Indian Pediatr** 1984 Jul;21(7):521–4

Body image and motor skills in normal and subnormal subjects. Clark DF. **Int J Rehabil Res** 1984;7(2):207–8

Motor imitation abilities and neurological signs in autistic children. Jones V, et al. **J Autism Dev Disord** 1985 Mar;15(1):37–46

Hand function in children with myelomeningocele. Turner A. **J Bone Joint Surg [Br]** 1985 Mar;67(2):268–72

Speeded performance following head injury in children. Bawden HN, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):39–54

Acquisition of psychomotor skills in dentistry: a follow-up study. Vann WF Jr, et al. **J Dent Educ** 1984 Sep;48(9):514–7

Effects of age and skill in typing. Salthouse TA. **J Exp Psychol [Gen]** 1984 Sep;113(3):345–71

Motor behaviour modifications after a stroke in a patient with Huntington's disease [letter] Bassi S, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1358–9

Early stages in the acquisition of a bimanual motor skill. Fagard J, et al. **Neuropsychologia** 1985;23(4):535–43

Handedness data on the European neolithic. Spennemann DR. **Neuropsychologia** 1984;22(5):613–5

Motor correlates of dichotic listening asymmetries in children. Waber DP, et al. **Neuropsychologia** 1985;23(3):403–10

Impaired motor timing control in specific reading retardation. Wolff PH, et al. **Neuropsychologia** 1984;22(5):587–600

Effect of using mechanical devices for baseball batting on warm-up decrement. Anshel MH. **Percept Mot Skills** 1985 Feb;60(1):291–8

Field dependence as a factor in sports with preponderance of open or closed skills. McLeod B. **Percept Mot Skills** 1985 Apr;60(2):369–70

Manual performance in the cold with gloves and bare hands. Rogers WH, et al. **Percept Mot Skills** 1984 Aug;59(1):3–13

Effects of age, sex and differentiated training programmes on motor learning. Spamer EJ. **Percept Mot Skills** 1985 Apr;60(2):537–8

Development of movement schema in young children. Williams HG, et al. **Percept Mot Skills** 1985 Apr;60(2):403–10

Investigation of a new motor assessment scale for stroke patients. Carr JH, et al. **Phys Ther** 1985 Feb;65(2):175–80

New motor assessment scale examined [letter] Shutter LA, et al. **Phys Ther** 1985 Jul;65(7):1091–6

A simple, computer-assisted system for measuring latencies of contact placing. Wolgin DL, et al. **Physiol Behav** 1985 Feb;34(2):315–7

[Dexterity training in hemiparetic forms of childhood cerebral paralysis based on stereognostic tests] Lesný I, et al. **Cesk Pediatr** 1985 Feb;40(2):105–6 (Eng. Abstr.) **(Cze)**

[Behavioral development of a 'grasper' during the 1st year of life in the area of gross movements] Nguyen-Clausen A. **Acta Paedopsychiatr (Basel)** 1984 Aug;50(2-3):131–43 (Eng. Abstr.) **(Ger)**

[Single test comparisons of motor lateral preference of upper and lower extremities of girls in vocational schools] Oeser R, et al. **Arztl Jugendkd** 1985 Apr;76(2):96–100 (Eng. Abstr.) **(Ger)**

[Analysis of movement in extrapyramidal motor diseases using a computer] Weitbrecht WU, et al. **Fortschr Neurol Psychiatr** 1984 Nov;52(11):408–13 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Temazepam and the perceptual-motor performance of professional footballers. Golby J, et al. **Br J Sports Med** 1985 Jun;19(2):115–8

Age, drinking habits and the effects of alcohol. Vogel-Sprott M, et al. **J Stud Alcohol** 1984 Nov;45(6):517–21

The effects of RO15–1788, alone and in combination with diazepam, on ethanol-induced loss of righting reflex in rats. Regan BA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:333–7

Sensitivity changes to dopaminergic agents in fine motor control of rhesus monkeys after repeated methamphetamine administration. Ando K, et al. **Pharmacol Biochem Behav** 1985 May;22(5):737–43

Impairment of motor coordination induced by doxorubicin in mice. Tubaro A, et al. **Pharmacol Res Commun** 1985 Jun;17(6):535–45

The anxiolytic activity of beta-carboline derivatives in mice, and its separation from ataxic properties. Stephens DN, et al. **Pharmacopsychiatry** 1985 Jan;18(1):167–70

Potential neuromuscular toxicity of N'-(2,4-xylyl)-N-methyl formamidine HCl in rodents. Ravikumar VC, et al. **Toxicology** 1983 May;27(1):71–80

PHYSIOLOGY

Thalamic mechanisms underlying acquisition of latch-box problems in the white rat. Thompson R, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(3):105–20

Duration of muscle activity during standing in normally and slowly developing children. Williams HG, et al. **Am J Phys Med** 1985 Aug;64(4):171–89

On mirror movements [letter] Blaw ME. **Ann Neurol** 1984 Sep;16(3):367

Effects of unilateral 6-hydroxydopamine lesions of the caudate-putamen on skilled forepaw use in the rat. Evenden JL, et al. **Behav Brain Res** 1984 Oct;14(1):61–8

Right- and left-hand skill: failure of the right shift model. McManus IC. **Br J Psychol** 1985 Feb;76 (Pt 1):1–34

The control of hand movements in a case of hemianaesthesia following a parietal lesion. Jeannerod M, et al. **Brain** 1984 Sep;107 (Pt 3):899–920

Lesion size and location in ideomotor apraxia. Kertesz A, et al. **Brain** 1984 Sep;107 (Pt 3):921–33

Kinematic and EMG reactions to imposed interlimb phase alterations during bipedal cycling. Boylls CC, et al. **Brain Res** 1984 Dec 24;324(2):342–5

Deficits in manipulative behaviors induced by local injections of muscimol in the first somatosensory cortex of the conscious monkey. Hikosaka O, et al. **Brain Res** 1985 Jan 28;325(1–2):375–80

Dopamine depletion in a striatal subregion disrupts performance of a skilled motor task in the rat. Sabol KE, et al. **Brain Res** 1985 May 27;335(1):33–43

Activity changes in nucleus reticularis gigantocellularis in relation to skilled forelimb movement in rats. Saling M, et al. **Brain Res** 1985 Apr 1;331(1):137–41

Motor skill: feedback, knowledge, and structural issues. MacKenzie CL, et al. **Can J Psychol** 1985 Jun;39(2):313–37 (97 ref.)

Factors affecting delayed walking skill in malnourished children. Ojofeitimi EO, et al. **Child Abuse Negl** 1984;8(3):369–72

Laterality and motor skills in four-year-olds. Tan LE. **Child Dev** 1985 Feb;56(1):119–24

Hand function in cerebral palsy: the effect of hip-flexion angle. Seeger BR, et al. **Dev Med Child Neurol** 1984 Oct;26(5):601–6

Feasibility of single motor unit control in the m. abductor pollicis brevis and its relation to concentration ability and thumb tapping ability. Beckers WM, et al. **Electromyogr Clin Neurophysiol** 1984 Nov–Dec;24(7):591–7

Evaluation of upper-limb function by the sensor pegboard test method. Okada Y. **Ergonomics** 1985 Jun;28(6):915–27

Autogenic and nonautogenic sensorimotor actions in the control of multiarticulate hand movements. Cole KJ, et al. **Exp Brain Res** 1984;56(3):582–5

Roles of glabrous skin receptors and sensorimotor memory in automatic control of precision grip when lifting rougher or more slippery objects. Johansson RS, et al. **Exp Brain Res** 1984;56(3):550–64

Changes in EEG alpha power induced by repetitive ipsi- and contralateral hand movements. Olivan J, et al. **Int J Neurosci** 1984 Nov;24(3–4):239–43

Relationships between hand skill and the excitability of motoneurons innervating the postural soleus muscle in human subjects. Tan U. **Int J Neurosci** 1985 May;26(3–4):289–300

Early and late components of the contingent negative variation prior to manual and speech responses in stutterers and non-stutterers. Prescott J, et al. **Int J Psychophysiol** 1984 Nov;2(2):121–30

Basic neurophysiology of motor skills in sport: a review. Henatsch HD, et al. **Int J Sports Med** 1985 Feb;6(1):2–14 (48 ref.)

The effects of movement velocity, mass displaced, and task certainty on associated postural adjustments made by normal and hemiplegic individuals. Horak FB, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1020–8

Experiments on functional role of peripheral input to motor cortex during voluntary movements in the monkey. Asanuma H, et al. **J Neurophysiol** 1984 Aug;52(2):212–27

Control of sequential movements: evidence for generalized motor programs. Carter MC, et al. **J Neurophysiol** 1984 Nov;52(5):787–96

Cerebellar nuclear cell activity during antagonist cocontraction and reciprocal inhibition of forearm muscles. Wetts R, et al. **J Neurophysiol** 1985 Aug;54(2):231–44

Variability of lip and jaw movements in children and adults: implications for the development of speech motor control. Sharkey SG, et al. **J Speech Hear Res** 1985 Mar;28(1):8–15

Parietal hemineglect and motor deficits in the monkey. Deuel RK, et al. **Neuropsychologia** 1985;23(3):305–14

A follow-up study of the effects of early malnutrition on subsequent development. II. Fine motor skills in adolescence. Galler JR, et al. **Pediatr Res** 1985 Jun;19(6):524–7

Ladder angle and ankle flexion while climbing. Gebbard C, et al. **Percept Mot Skills** 1984 Dec;59(3):893–94

Cerebellar feedback signals of a passive hand movement in the awake monkey. Bauswein E, et al. **Pflugers Arch** 1984 Nov;402(3):292–9

Dynamics of postural control in the child with Down syndrome. Shumway-Cook A, et al. **Phys Ther** 1985 Sep;65(9):1315–22

Task-dependent rate of recovery from hemilabyrinthectomy: an analysis of swimming and locomotor performances. Petrosini L. **Physiol Behav** 1984 Nov;33(5):799–804

Cortical mechanisms underlying acquisition of latch-box problems in the white rat. Thompson R, et al. **Physiol Behav** 1984 May;32(5):809–17

Carotid endarterectomy: does it improve cognitive or motor functioning? van den Burg W, et al. **Psychol Med** 1985 May;15(2):341–6

Motor programme information as a separable memory unit. Engelkamp J, et al. **Psychol Res** 1984;46(3):283–99

[Motor development in schoolchildren. When is treatment required?] Michelsen N, et al. **Ugeskr Laeger** 1984 May 14;146(20):1507–11 (Eng. Abstr.) **(Dan)**

[Practical experiences with very young children with vision disorders] Helders PJ. **Tijdschr Kindergeneeskd** 1985 Feb;53(1):26–31 (Eng. Abstr.) **(Dut)**

[Kinesiologic studies of brachiation in white-hand gibbons (Hylobates lar)] Hollihn U, et al. **Z Morphol Anthropol** 1984;74(3):275–93 (Eng. Abstr.) **(Ger)**

[At what age does human supraspinal control over caudal spinal cord segments mature?] Starobinets MKh, et al. **Fiziol Cheloveka** 1984 Nov–Dec;10(6):965–71 **(Rus)**

MOTTLED ENAMEL

CHEMICALLY INDUCED

Single fluoride doses and enamel fluorosis in the rat. Angmar-Månsson B, et al. **Caries Res** 1985;19(2):145–52

DIAGNOSIS

A question of sensitivity [letter] Walton JL. **J Am Dent Assoc** 1984 Oct;109(4):540, 542

ETIOLOGY

The effects of fluoride on animals and plants in the south Safi zone. Kessabi M, et al. **Sci Total Environ** 1984 Sep;38:63–8

OCCURRENCE

Caries prevalence and dental fluorosis in German children in areas with different concentrations of fluoride in drinking water supplies. Hellwig E, et al. **Caries Res** 1985;19(3):278–83

Prevalence of dental fluorosis after fluoride-gel treatments in a low-fluoride area. Larsen MJ, et al. **J Dent Res** 1985 Aug;64(8):1076–9

Defects of tooth enamel in children in fluoridated and non-fluoridated water areas of the Auckland region. Cutress TW, et al. **NZ Dent J** 1985 Jan;81(363):12–9

[Effect of air fluorine content on dental fluorosis and caries incidences] Zhou DC. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Mar;19(1):26–8 **(Chi)**

VETERINARY

Dental fluorosis in bovine temporary teeth. Suttie JW, et al. **Am J Vet Res** 1985 Feb;46(2):404–8

Fluoride toxicosis in wild ungulates. Shupe JL, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1295–300

MOULAGES see **MODELS, ANATOMIC**

MOUNTAINEERING

see related
ALTITUDE

High living: lessons from extreme altitude. The 1984 J. Burns Amberson lecture. West JB. **Am Rev Respir Dis** 1984 Nov;130(5):917–23

Neuropsychological functioning after prolonged high altitude exposure in mountaineering. Clark CF, et al. **Aviat Space Environ Med** 1983 Mar;54(3):202–7

The Environmental Symptoms Questionnaire in acute mountain sickness. Wright AD, et al. **Aviat Space Environ Med** 1985 Jun;56(6):572-5

Kilimanjaro expedition. Green AR. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):223-5

So you want to climb Everest...? Villar RN. **Br Med J [Clin Res]** 1984 Dec 22-29;289(6460):1773-5

Ambulatory monitoring of the electroencephalogram in high altitude mountaineers. Finnegan TP, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar;60(3):220-4

Altitude illness. Houston CS. **Emerg Med Clin North Am** 1984 Aug;2(3):503-12

Acute mountain sickness: pulmonary and cerebral oedema of high altitude. Milledge JS. **Intensive Care Med** 1985; 11(3):110-4

Tirich Mir 1984. Parrish MM. **J R Nav Med Serv** 1985 Summer;71(2):106-12

Use of contact lenses on mountaineering expeditions [letter] Pizzo CJ, et al. **JAMA** 1984 Nov 16;252(19):2701

Alpine travel. Mountain sickness, the unwelcome companion. Smart J, et al. **Med J Aust** 1984 Dec 8-22;141(12-13):792-5

Treatment of acute mountain sickness [letter] Shlim DR. **N Engl J Med** 1985 Oct 3;313(14):891-2

The clinical assessment of acute mountain sickness. Fletcher RF, et al. **Q J Med** 1985 Jan;54(213):91-100

[What advice does the family physician give his patient who wants to go to the high mountains?] van Enst GC. **Ned Tijdschr Geneeskd** 1984 Dec 22;128(51):2405-7 **(Dut)**

[Diet for the first expedition of Soviet climbers to Mount Everest] Belakovskiĭ MS, et al. **Kosm Biol Aviakosm Med** 1984 Sep-Oct;18(5):10-4 (Eng. Abstr.) **(Rus)**

[Man, sex and the mountains] Ryn Z. **Actas Luso Esp Neurol Psiquiatr** 1984 Nov-Dec; 12(6):417-26 **(Spa)**

[Medicine and mountains] Battestini R. **Med Clin (Barc)** 1984 Oct 20;83(12):497-9 **(Spa)**

MOUSE LEUKEMIA VIRUSES

Thymocyte subsets transformed by Abelson murine leukemia virus. Cook WD. **Mol Cell Biol** 1985 Feb;5(2):390-7

Molecular basis of heavy-chain class switching and switch region deletion in an Abelson virus-transformed cell line. DePinho R, et al. **Mol Cell Biol** 1984 Dec;4(12):2905-10

CLASSIFICATION

Pseudotyping of dual-tropic recombinant viruses generated by infection of mice with different ecotropic murine leukemia viruses. Sitbon M, et al. **Virology** 1985 Jan 15; 140(1):144-51

DRUG EFFECTS

Effects of 2',3'-dideoxynucleosides on mammalian cells and viruses. Waqar MA, et al. **J Cell Physiol** 1984 Nov; 121(2):402-8

Antiviral activity of coumermycin: identification of resistant and sensitive retrovirus strains. Varnier OE, et al. **Microbiologica** 1985 Jul;8(3):283-7

ENZYMOLOGY

Purification and characterization of a protein-tyrosine kinase encoded by the Abelson murine leukemia virus. Foulkes JG, et al. **J Biol Chem** 1985 Jul 5;260(13):8070-7

GENETICS

A leukemia virus-related protein in the murine pancreas. Beattie GM, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):344-9

Characterization of the feline c-abl proto-oncogene. Schalken JA, et al. **Biochim Biophys Acta** 1985 Feb 20; 824(2):104-12

Proviral structure and differentiation antigen phenotype of spontaneous and chemically induced AKR lymphomas. Richie ER, et al. **Cancer Res** 1985 Jun;45(6):2802-6

Autocrine growth induced by src-related oncogenes in transformed chicken myeloid cells. Adkins B, et al. **Cell** 1984 Dec;39(3 Pt 2):439-45

The genetics of murine leukemia viruses. Goff SP. **Curr Top Microbiol Immunol** 1984;112:45-71 (113 ref.)

Identification of a transforming virus from a lymphoma of a mouse infected with a wild mouse retrovirus. Langdon WY, et al. **Curr Top Microbiol Immunol** 1984;113:241-9

Structural organization of mouse c-myb locus and the mechanism of its rearrangement in ABPL-2 tumor line induced by pristane and Abelson murine leukemia virus. Lavu S, et al. **Curr Top Microbiol Immunol** 1984;113:37-40

Spleen focus-forming virus: relationship of an altered envelope gene to the development of a rapid erythroleukemia. Ruscetti S, et al. **Curr Top Microbiol Immunol** 1984;112:21-44 (128 ref.)

Disruption and activation of the c-myb locus by M-MULV insertion in plasmacytoid lymphosarcomas induced by pristane and Abelson viruses. Shen-Ong GL, et al. **Curr Top Microbiol Immunol** 1984;113:41-6

Proviral activation of the putative oncogene Pim-1 in MuLV induced T-cell lymphomas. Selten G, et al. **EMBO J** 1985 Jul;4(7):1793-8

Different cellular substrates of Abelson leukemia virus transforming protein kinase in murine fibroblasts and lymphocytes. Saggioro D, et al. **Hamatol Bluttransfus** 1985; 29:298-301

Isolation and analysis of an Abelson murine leukemia virus-encoded tyrosine-specific kinase produced in Escherichia coli. Ferguson B, et al. **J Biol Chem** 1985 Mar 25;260(6):3652-7

Localization of tyrosine kinase-coding region in v-abl oncogene by the expression of v-abl-encoded proteins in bacteria. Wang JY, et al. **J Biol Chem** 1985 Jan 10; 260(1):64-71

Immunological and biochemical characterization of HZ2 feline sarcoma virus and Abelson murine leukaemia virus translation products. Lederman L, et al. **J Gen Virol** 1985 Sep;66 (Pt 9):2057-63

Expression of murine leukemia viruses in B-cell lymphomas of CWD/Agl mice. Angel JM, et al. **J Virol** 1984 Nov; 52(2):691-4

Comparison of endogenous murine leukemia virus proviral organization and RNA expression in 3-methylcholanthrene-induced and spontaneous thymic lymphomas in RF and AKR mice. Chinsky J, et al. **J Virol** 1985 Jan;53(1):94-9

Physical mapping of the paralysis-inducing determinant of a wild mouse ecotropic neurotropic retrovirus. DesGroseillers L, et al. **J Virol** 1984 Nov;52(2):356-63

The tandem direct repeats within the long terminal repeat of murine leukemia viruses are the primary determinant of their leukemogenic potential. DesGroseillers L, et al. **J Virol** 1984 Dec;52(3):945-52

Mapping the viral sequences conferring leukemogenicity and disease specificity in Moloney and amphotropic murine leukemia viruses. DesGroseillers L, et al. **J Virol** 1984 Nov; 52(2):448-56

Construction of recombinants between molecular clones of murine retrovirus MCF 247 and Akv: determinant of an in vitro host range property that maps in the long terminal repeat. Holland CA, et al. **J Virol** 1985 Jan;53(1):152-7

Characterization of a molecularly cloned retroviral sequence associated with Fv-4 resistance. Ikeda H, et al. **J Virol** 1985 Sep;55(3):768-77

Proviral genome of radiation leukemia virus: molecular cloning of biologically active proviral DNA and nucleotide sequence of its long terminal repeat. Janowski M, et al. **J Virol** 1985 Jul;55(1):251-5

A Mus dunni cell line that lacks sequences closely related to endogenous murine leukemia viruses and can be infected by ectropic, amphotropic, xenotropic, and mink cell focus-forming viruses. Lander MR, et al. **J Virol** 1984 Nov; 52(2):695-8

Nucleotide sequence analysis of endogenous murine leukemia virus-related proviral clones reveals primer-binding sites for glutamine tRNA. Nikbakht KN, et al. **J Virol** 1985 Jun;54(3):889-93

Early clonality and high-frequency proviral integration into the c-myc locus in AKR leukemias. O'Donnell PV, et al. **J Virol** 1985 Aug;55(2):500-3

Envelope and long terminal repeat sequences of a cloned infectious NZB xenotropic murine leukemia virus. O'Neill RR, et al. **J Virol** 1985 Jan;53(1):100-6

The minimum transforming region of v-abl is the segment encoding protein-tyrosine kinase. Prywes R, et al. **J Virol** 1985 Apr;53(4):114-22

Tissue selectivity of murine leukemia virus infection is determined by long terminal repeat sequences. Rosen CA, et al. **J Virol** 1985 Sep;55(3):862-6

Chromosomal assignment of two endogenous ecotropic murine leukemia virus proviruses of the AKR/J mouse strain. Taylor BA, et al. **J Virol** 1985 Oct;56(1):172-5

Transformation of NIH 3T3 cells by DNA of the MCF-7 human mammary carcinoma cell line induces expression of an endogenous murine leukemia provirus. Becker D, et al. **Mol Cell Biol** 1984 Nov;4(11):2247-52

Generation of helper-free amphotropic retroviruses that transduce a dominant-acting, methotrexate-resistant dihydrofolate reductase gene. Miller AD, et al. **Mol Cell Biol** 1985 Mar;5(3):431-7

Amphotropic retrovirus vector system for human cell gene transfer. Sorge J, et al. **Mol Cell Biol** 1984 Sep;4(9):1730-7

H-2Ld antigen encoded by a recombinant retrovirus genome is expressed on the surface of infected cells. Weis JH, et al. **Mol Cell Biol** 1985 Jun;5(6):1379-84

Tissue-specific transcription preference as a determinant of cell tropism and leukaemogenic potential of murine retroviruses. Celander D, et al. **Nature** 1984 Nov 8-14; 312(5990):159-62

Genesis of Kirsten murine sarcoma virus: sequence analysis reveals recombination points and potential leukaemogenic determinant on parental leukaemia virus genome. Norton JD, et al. **Nucleic Acids Res** 1984 Sep 11;12(17):6839-52

A mutant murine leukemia virus with a single missense codon in pol is defective in a function affecting integration. Donehower LA, et al. **Proc Natl Acad Sci USA** 1984 Oct; 81(20):6461-5

Friend murine leukemia virus-immortalized myeloid cells are converted into tumorigenic cell lines by Abelson leukemia virus. Oliff A, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3306-10

Acetylcholine receptor-specific suppressive T-cell factor from a retrovirally transformed T-cell line. Sinigaglia F, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7569-73

The Abelson murine leukemia virus oncogene. Goff SP. **Proc Soc Exp Biol Med** 1985 Sep;179(4):403-12 (66 ref.)

Molecular clones of endogenous murine leukemia virus-related DNA sequences from Balb/c mice: characterization of integration sites. Bacheler LT. **Virology** 1984 Oct 15;138(1):129-42

Functional analysis of reverse transcription by a frameshift pol mutant of murine leukemia virus. Messer LI, et al. **Virology** 1985 Oct 15;146(1):146-52

Maturation of murine leukemia virus env proteins in the absence of other viral proteins. Schultz A, et al. **Virology** 1985 Sep;145(2):335-9

GROWTH & DEVELOPMENT

Greying with age in mice: relation to expression of murine leukemia viruses. Morse HC 3d, et al. **Cell** 1985 Jun; 41(2):439-48

Different murine cell lines manifest unique patterns of interference to superinfection by murine leukemia viruses. Chesebro B, et al. **Virology** 1985 Feb;141(1):119-29

Use of a focal immunofluorescence assay on live cells for quantitation of retroviruses: distinction of host range classes in virus mixtures and biological cloning of dual-tropic murine leukemia viruses. Sitbon M, et al. **Virology** 1985 Feb;141(1):110-8

IMMUNOLOGY

Cell surface antigens of chemically induced fibrosarcomas: detection by a monoclonal antibody of a tumor-restricted Mr 12,000 protein gag antigen encoded by a dual-tropic murine leukemia virus. Carbone G, et al. **Cancer Res** 1985 Oct;45(10):4980-5

Detection of a unique antigen on radiation leukemia virus-induced leukemia B6RV2. Nakayama E, et al. **Cancer Res** 1984 Nov;44(11):5138-44

Target cell heterogeneity in murine leukemia virus infection. III. Identification of susceptible Lyt 1+ and resistant Lyt 2+ T-cell subsets following in vitro infection with Friend murine leukemia virus. Isaak DD, et al. **Cell Immunol** 1984 Oct 15;88(2):464-74

Monoclonal antibody to Abelson lymphoma cells. Lamph WW, et al. **Curr Top Microbiol Immunol** 1984;113:265-8

Anti-nuclear antibodies in murine alloantisera are not necessarily related to antibodies to murine leukemia viruses. Yetter RA, et al. **Immunol Invest** 1985 Apr;14(2):161-6

Abnormalities induced by the mutant gene, lpr. Patterns of disease and expression of murine leukemia viruses in SJL/J mice homozygous and heterozygous for lpr. Morse HC 3d, et al. **J Exp Med** 1985 Mar 1;161(3):602-16

Role of immunity in age-related resistance to paralysis after murine leukemia virus infection. Hoffman PM, et al. **J Virol** 1984 Dec;52(3):734-8

Expression of differentiation and murine leukemia virus antigens on cells of primary tumors and cell lines derived from chemically induced lymphomas of RF/J mice. Goodenow MM, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(23):7612-6

The human cellular abl gene product in the chronic myelogenous leukemia cell line K562 has an associated tyrosine protein kinase activity. Kloetzer W, et al. **Virology** 1985 Jan 30;140(2):230-8

ISOLATION & PURIFICATION

Integration and expression of MCF-13 provirus in MCF-13-induced lymphomas. Boiocchi M, et al. **Tumori** 1984 Dec 31;70(6):467-76

METABOLISM

Heterogeneity of p15(E)-related polypeptides expressed by MuLV-infected cells. Bach RG, et al. **Virology** 1985 Aug; 145(1):165-70

PATHOGENICITY

Interleukin 3 dependent retrovirus induced lymphomas: loss of the ability to terminally differentiate in response to differentiation factors. Ihle JN, et al. **Curr Top Microbiol Immunol** 1984;113:86-91

Pathogenesis and virus content of lymphomas induced by pure ecotropic Graffi murine leukemia virus. Fischinger PJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb; 11(2):241-51

Host genetic determinants of neurological disease induced by Cas-Br-M murine leukemia virus. Hoffman PM, et al. **J Virol** 1985 Jan;53(1):40-3

At least four viral genes contribute to the leukemogenicity of murine retrovirus MCF 247 in AKR mice. Holland CA, et al. **J Virol** 1985 Jan;53(1):158-65

Susceptibility of wild mouse cells to exogenous infection with xenotropic leukemia viruses: control by a single dominant locus on chromosome 1. Kozak CA. **J Virol** 1985 Sep; 55(3):690-5

Protein stabilization explains the gag requirement for transformation of lymphoid cells by Abelson murine leukemia virus. Prywes R, et al. **J Virol** 1985 Apr; 53(4):123-32

Different genes control the susceptibility of mice to Moloney or Abelson murine leukemia viruses. Risser R, et al. **J Virol** 1985 Sep;55(3):547-53

Suppression of leukaemia virus pathogenicity by polyoma virus enhancers. Davis B, et al. **Nature** 1985 Apr 11-17; 314(6011):550-3

Maternal transmission of resistance to virus-induced leukemia. Duran-Reynals ML. **Prog Med Virol** 1985; 32:47-57

The involvement of a type-B retrovirus in the induction of thymic lymphomas. Ball JK, et al. **Virology** 1985 Jan 15; 140(1):159-72

PHYSIOLOGY

The complexity of virus--cell interactions in Abelson virus infection of lymphoid and other hematopoietic cells. Whitlock CA, et al. **Adv Immunol** 1985;37:73-98 (127 ref.)

Malignant transformation of a growth factor-dependent myeloid cell line by Abelson virus without evidence of an autocrine mechanism. Cook WD, et al. **Cell** 1985 Jul; 41(3):677-83

Neoplastic transformation of mast cells by Abelson-MuLV: abrogation of IL-3 dependence by a nonautocrine mechanism. Pierce JH, et al. **Cell** 1985 Jul;41(3):685-93

Analysis of wild-derived mice for Fv-1 and Fv-2 murine leukemia virus restriction loci: a novel wild mouse Fv-1 allele responsible for lack of host range restriction. Kozak CA. **J Virol** 1985 Aug;55(2):281-5

MOUSE MAMMARY TUMOR VIRUS see **MAMMARY CANCER VIRUS**

MOUSE POX VIRUS see **ECTROMELIA VIRUS**

MOUSE SARCOMA VIRUSES

Thyroid hormone modulation of transformation induced by Kirsten murine sarcoma virus. Borek C, et al. **Cancer Res** 1985 Apr;45(4):1702-6

Flat revertants derived from Kirsten murine sarcoma virus-transformed cells produce transforming growth factors. Salomon DS, et al. **J Cell Physiol** 1984 Oct; 121(1):22-30

[Immunomorphological research on the changes in the focal contacts of cultured cells transformed by Kirsten sarcoma virus] Allikmets EIu, et al. **Biull Eksp Biol Med** 1985 Jul; 100(7):78-80 (Eng. Abstr.) **(Rus)**

ANALYSIS

Recognition of mos-related proteins with an antiserum to a peptide of the v-mos gene product. Gallick GE, et al. **J Gen Virol** 1985 May;66 (Pt 5):945-55

Further characterization of the in vitro products generated by proteolytic cleavage of Gazdar murine sarcoma virus p65gag. Maxwell SA, et al. **J Gen Virol** 1985 Jan;66 (Pt 1):97-107

In vitro cleavage of Pr65gag by the Moloney murine leukaemia virus proteolytic activity yields p30 whose NH2-terminal sequence is identical to virion p30. Yoshinaka Y, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):379-83

Detection of the myristylated gag-raf transforming protein with raf-specific antipeptide sera. Schultz AM, et al. **Virology** 1985 Oct 15;146(1):78-89

GENETICS

Two classes of cAMP analogs synergistically inhibit p21 ras protein synthesis and phenotypic transformation of NIH/3T3 cells transfected with Ha-MuSV DNA. Tagliaferri P, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1193-200

Latent beta-transforming growth factor in nontransformed and Kirsten sarcoma virus-transformed normal rat kidney cells, clone 49F. Pircher R, et al. **Cancer Res** 1984 Dec; 44(12 Pt 1):5538-43

Evidence for multiple steps in neoplastic transformation of normal and preneoplastic Syrian hamster embryo cells following transfection with Harvey murine sarcoma virus oncogene (v-Ha-ras). Thomassen DG, et al. **Cancer Res** 1985 Feb;45(2):726-32

Extended life span and tumorigenicity of nonestablished mouse connective tissue cells transformed by the fos oncogene of FBR-MuSV. Jenuwein T, et al. **Cell** 1985 Jun; 41(2):629-37

Interaction of acute transforming retroviruses with murine hematopoietic cells. Pierce JH, et al. **Curr Top Microbiol Immunol** 1984;113:258-64

Mutational analyses of the Moloney murine sarcoma virus enhancer. Schulze F, et al. **DNA** 1985 Jun;4(3):193-202

Modulation of enhancer activity by the hormone responsive regulatory element from mouse mammary tumor virus. Ostrowski MC, et al. **EMBO J** 1984 Aug;3(8):1891-9

Harvey murine sarcoma virus p21 ras protein: biological and biochemical significance of the cysteine nearest the carboxy terminus. Willumsen BM, et al. **EMBO J** 1984 Nov; 3(11):2581-5

Viral Harvey ras p21 expressed in Escherichia coli purifies as a binary one-to-one complex with GDP. Poe M, et al. **J Biol Chem** 1985 Apr 10;260(7):3906-9

Cyclic AMP-independent processes mediate Kirsten sarcoma virus-induced changes in collagen production and other properties of cultured cells. Majmudar G, et al. **J Cell Physiol** 1985 Jan;122(1):113-9

The ts110 Moloney mouse sarcoma virus system: gag-mos gene products and cellular transformation. Arlinghaus RB. **J Gen Virol** 1985 Sep;66 (Pt 9):1845-53 (37 ref.)

Expression of the onc gene of the Kirsten murine sarcoma virus in differentiated rat thyroid epithelial cell lines. Ferrentino M, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):1955-61

Monoclonal antibody detects a common surface antigen on two independently established murine Moloney sarcoma virus non-producer transformants. Weiland E, et al. **J Gen Virol** 1985 Sep;66 (Pt 9):1863-72

A mos oncogene-containing retrovirus, myeloproliferative sarcoma virus, transforms rat thyroid epithelial cells and irreversibly blocks their differentiation pattern. Fusco A, et al. **J Virol** 1985 Oct;56(1):284-92

Temperature-sensitive viral RNA expression in Moloney murine sarcoma virus ts110-infected cells. Hamelin R, et al. **J Virol** 1985 Feb;53(2):616-23

Use of site-specific antipeptide antibodies to perturb the serine kinase catalytic activity of p37mos. Maxwell SA, et al. **J Virol** 1985 Sep;55(3):874-6

Deletion of the gag region from FBR murine osteosarcoma virus does not affect its enhanced transforming activity. Miller AD, et al. **J Virol** 1985 Sep;55(3):521-6

Murine sarcoma virus ts110 RNA transcripts: origin from a single proviral DNA and sequence of the gag-mos junctions in both the precursor and spliced viral RNAs. Nash MA, et al. **J Virol** 1985 Feb;53(2):624-33

Use of the mouse mammary tumor virus long terminal repeat to promote steroid-inducible expression of v-mos. Papkoff J, et al. **J Virol** 1984 Nov;52(2):420-30

Nucleotide sequence analysis of the BALB/c murine sarcoma virus transforming gene. Reddy EP, et al. **J Virol** 1985 Mar;53(3):984-7

Nucleotide sequence and biochemical activities of the Moloney murine sarcoma virus strain HT-1 mos gene. Seth A, et al. **J Virol** 1985 Oct;56(1):144-52

Analysis of viral and somatic activations of the cHa-ras gene. Tabin CJ, et al. **J Virol** 1985 Jan;53(1):260-5

Development and analysis of a transformation-defective mutant of Harvey murine sarcoma tk virus and its gene product. Weeks MO, et al. **J Virol** 1985 May;54(2):586-97

Promoter dependence of enhancer activity. Berg PE, et al. **Mol Cell Biol** 1984 Aug;4(8):1664-8

Hygromycin B phosphotransferase as a selectable marker for DNA transfer experiments with higher eucaryotic cells. Blochlinger K, et al. **Mol Cell Biol** 1984 Dec;4(12):2929-31

Myeloid cell transformation by ras-containing murine sarcoma viruses. Pierce JH, et al. **Mol Cell Biol** 1985 Apr; 5(4):667-74

Metabolic turnover of human c-rasH p21 protein of EJ bladder carcinoma and its normal cellular and viral homologs. Ulsh LS, et al. **Mol Cell Biol** 1984 Aug; 4(8):1647-52

Genesis of Kirsten murine sarcoma virus: sequence analysis reveals recombination points and potential leukaemogenic determinant on parental leukaemia virus genome. Norton JD, et al. **Nucleic Acids Res** 1984 Sep 11;12(17):6839-52

Epidermal growth factor precursor is related to the translation product of the Moloney sarcoma virus oncogene mos. Baldwin GS. **Proc Natl Acad Sci USA** 1985 Apr; 82(7):1921-5

Human c-fos oncogene mapped within chromosomal region 14q21----q31. Barker PE, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5826-30

Rates of evolution of the retroviral oncogene of Moloney murine sarcoma virus and of its cellular homologues. Gojobori T, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):4198-201

Removal of a 67-base-pair sequence in the noncoding region of protooncogene fos converts it to a transforming gene. Meijlink F, et al. **Proc Natl Acad Sci USA** 1985 Aug; 82(15):4987-91

Long terminal repeat sequences impart hematopoietic transformation properties to the myeloproliferative sarcoma virus. Stocking C, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5746-50

The gag-mos hybrid protein of ts110 Moloney murine sarcoma virus: variation of gene expression with temperature. Gallick GE, et al. **Virology** 1984 Dec; 139(2):366-74

Further characterization of the P85gag-mos -associated protein kinase activity. Kloetzer WS, et al. **Virology** 1984 Oct 15;138(1):143-55

METABOLISM

Neoplastic transformation of human epidermal keratinocytes by AD12-SV40 and Kirsten sarcoma viruses. Rhim JS, et al. **Science** 1985 Mar 8;227(4691):1250-2

PATHOGENICITY

Brain tumors in hamsters induced by murine sarcoma virus (Moloney). Motoi M, et al. **Acta Med Okayama** 1984 Oct; 38(5):447-52

PHYSIOLOGY

Polykaryocytosis induced by amphotropic murine C-type virus (AP129) in Sac-cells nonproductively transformed by Moloney murine sarcoma virus (MO-MSV). Weiland E, et al. **Acta Virol (Praha)** 1985 Jan;29(1):79-82

MOUSE TUMOR VIRUSES

PATHOGENICITY

Host range of mink cell focus-inducing viruses. Cloyd MW, et al. **Virology** 1985 Jan 30;140(2):239-48

MOUTH

Salivary clearance of sugar and its effects on pH changes by Streptococcus mitior in an artificial mouth. Lagerlöf F, et al. **J Dent Res** 1984 Nov;63(11):1266-70

Afferent stimulation induced pain relief in acute oro-facial pain and its failure to induce sufficient pain reduction in dental and oral surgery. Hansson P, et al. **Pain** 1984 Nov; 20(3):273-8

ANALYSIS

DNA content in reactive hyperplasia, precancerosis, and carcinomas of the oral cavity. A cytophotometric study. Doseva D, et al. **Acta Histochem (Jena)** 1984;75(2):113-9

ANATOMY & HISTOLOGY

International Organization for Standardization. International Standard 3950-1984(E). Dentistry--designation system for teeth and areas of the oral cavity. **Aust Dent J** 1985 Apr; 30(2):134-5

Orofacial system as a biocybernetical model. Schumacher GH, et al. **Folia Morphol** 1984;43(2):65-72

Primates as a teaching model for biopsy. Margarone JE, et al. **J Dent Educ** 1984 Oct;48(10):568-70

The oral cavity and tongue: magnetic resonance imaging. Unger JM. **Radiology** 1985 Apr;155(1):151-3

[Anatomical factors in dissemination of oral and maxillofacial infections] Zhang KQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Mar;19(1):32-4 **(Chi)**

BLOOD SUPPLY

Studies on the arterial vasculature in the floor region of the mouth and the submandibular region of the crab-eating monkey using the plastic injection method. Nakajima T. **Okajimas Folia Anat Jpn** 1984 May;61(1):33-57

CYTOLOGY

Cell degeneration and mitosis in the buccopharyngeal and branchial membranes in the mouse embryo. Poelmann RE, et al. **Anat Embryol (Berl)** 1985;171(2):187-92

Lytic effects of serum and mononuclear leukocytes on oral epithelial cells in recurrent aphthous stomatitis. Burnett PR, et al. **Clin Immunol Immunopathol** 1985 Feb;34(2):197-204

DRUG EFFECTS

[Antiseptic action of chlorhexidine in the oral cavity] Petrikas AZh, et al. **Stomatologiia (Mosk)** 1984 Sep-Oct;63(5):15-6 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Histological and ultrastructural observations of the attachment between the oral cavity of the fetus and the nipple of the mother in opossum (Didelphis azarae). Garcia PJ, et al. **Anat Anz** 1984;157(2):151-7

The ultrastructure of oral (buccopharyngeal) membrane formation and rupture in the anuran embryo. Watanabe K, et al. **Anat Rec** 1984 Nov;210(3):513-24

Formation and perforation of closing plates in the chick embryo. Waterman RE. **Anat Rec** 1985 Apr;211(4):450-7

GROWTH & DEVELOPMENT

Postnatal ontogeny of performances of the pharynx, larynx, and mouth. Bosma JF. **Am Rev Respir Dis** 1985 May; 131(5):S10-5

IMMUNOLOGY

Effect of atropine on oral clearance of a radiolabeled sulfur colloid. LaForce FM, et al. **J Lab Clin Med** 1984 Nov; 104(5):693-7

[Immunological aspects of the pathology of the oral cavity] Robotti MP, et al. **Recenti Prog Med** 1984 Jul-Aug; 75(7-8):692-715 (93 ref.) (Eng. Abstr.) **(Ita)**

INJURIES

Orofacial injuries and the use of mouthguards by the 1984 Great Britain Rugby League touring team. Chapman PJ. **Br J Sports Med** 1985 Mar;19(1):34-6

Oral splint therapy to manage electrical burns of the mouth in children. Czerepak CS. **Clin Plast Surg** 1984 Oct; 11(4):685-92

Electrical burns of the mouth in children. Leake JE, et al. **Clin Plast Surg** 1984 Oct;11(4):669-83

Electric burns of the oral cavity. Nichter LS, et al. **Compr Ther** 1985 Apr;11(4):65-71

Reconstruction of a mandible after shotgun trauma: report of case. Frensilli JA, et al. **J Am Dent Assoc** 1985 Jan; 110(1):49-51

An evaluation of mouthguard programs in Texas high school football. Seals RR Jr, et al. **J Am Dent Assoc** 1985 Jun; 110(6):904-9

Splinting of oral commissure electrical burns in children. Dado DV, et al. **J Pediatr** 1985 Jul;107(1):92-5

Risk factors for microwave scald injuries in infants. Sando WC, et al. **J Pediatr** 1984 Dec;105(6):864-7

Prostheses for oral burn patients. Gay WD. **J Prosthet Dent** 1984 Oct;52(4):564-6

Prosthetic treatment for chemical burns of the oral cavity.

Seals RR Jr, et al. **J Prosthet Dent** 1985 May;53(5):688–91

Chestnut explosion injury to mouth. Yadava RP. **J R Coll Gen Pract** 1984 Oct;34(267):577

Intraoral stab wound. Heidelman JF. **Oral Surg Oral Med Oral Pathol** 1984 Nov;58(5):629

Management of orofacial trauma in children. McTigue DJ. **Pediatr Ann** 1985 Feb;14(2):125–9

INNERVATION

Evidence against a central stimulus for collateral reinnervation of oro-facial tissues in the cat. Robinson PP. **Brain Res** 1984 Nov 19;322(1):33–40

The effects of orofacial sensory input on spontaneously occurring and apomorphine-induced rhythmical jaw movements in the anesthetized guinea pig. Chandler SH, et al. **Neurosci Lett** 1985 Jan 7;53(1):45–9

[Clinically relevant oral anatomy of the lingual nerve] Watzek G, et al. **Fortschr Kiefer Gesichtschir** 1985;30:49–51 **(Ger)**

[Effect of electroacupuncture and morphine on evoked potentials in the oral and caudal trigeminal nuclei in the cat] Dolgikh VG, et al. **Neirofiziologiia** 1985;17(2):147–52 (Eng. Abstr.) **(Rus)**

METABOLISM

Sugar clearance from saliva and intra-oral spaces. Goulet D, et al. **J Dent Res** 1985 Mar;64(3):411–5

The effect of swallowing frequency on oral sugar clearance and pH changes by Streptococcus mitior in vivo after sucrose ingestion. Lagerlöf F, et al. **J Dent Res** 1985 Oct;64(10):1229–32

Intra-oral air mercury released from dental amalgam. Vimy MJ, et al. **J Dent Res** 1985 Aug;64(8):1069–71

Serial measurements of intra-oral air mercury: estimation of daily dose from dental amalgam. Vimy MJ, et al. **J Dent Res** 1985 Aug;64(8):1072–5

Differential effects of collagen in oral tissues and skin by protein-energy malnourished newborn rats and lactating dams. Nakamoto T, et al. **J Periodontol** 1984 Nov;55(11):648–52

MICROBIOLOGY

Prevalence of organisms described as Actinobacillus suis or haemolytic Actinobacillus equuli in the oral cavity of horses. Comparative investigations of strains obtained and porcine strains of A. suis sensu stricto. Bisgaard M, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Dec;92(6):291–8

Comparison of sampling and isolation procedures for recovery of Yersinia enterocolitica serotype O:3 from the oral cavity of slaughter pigs. Nesbakken T. **Acta Vet Scand** 1985;26(1):127–35

Localization of gonococci in the anterior oral cavity--a possible reservoir of the gonococcal infection? Tikjøb G, et al. **Ann Clin Res** 1985;17(2):73–5

Comparative in vitro activity of sanguinarine against oral microbial isolates. Dzink JL, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):663–5

Measurement of the surface free energy of bacterial cell surfaces and its relevance for adhesion. Busscher HJ, et al. **Appl Environ Microbiol** 1984 Nov;48(5):980–3

Candida in mouth or on dummy? Manning DJ, et al. **Arch Dis Child** 1985 Apr;60(4):381–2

Establishment and distribution of the bacteria Actinomyces viscosus and Actinomyces naeslundii in the mouths of monkeys (Macaca fascicularis). Beighton D. **Arch Oral Biol** 1985;30(5):403–7

Mouth-to-mouth transmission of the bacterium Streptococcus mutans between mother and child. Berkowitz RJ, et al. **Arch Oral Biol** 1985;30(4):377–9

Inhibition of [3H]-thymidine uptake in human gingival fibroblasts by extracts from human dental plaque, oral bacteria of the Streptococcus and Actinomyces species. Duguid R. **Arch Oral Biol** 1985;30(1):89–91

Immunogenicity, biochemical and serological characterizations of ribosomal preparations from human oral strains of serotypes c and d of the bacterium Streptococcus mutans. Huis in 't Veld J, et al. **Arch Oral Biol** 1984;29(12):1001–7

Evidence that glucose and sucrose uptake in oral streptococcal bacteria involves independent phosphotransferase and proton-motive force-mediated mechanisms. Keevil CW, et al. **Arch Oral Biol** 1984;29(11):871–8

The association between dietary sucrose consumption and microbial population shifts at six oral sites in man. Minah GE, et al. **Arch Oral Biol** 1985;30(5):397–401

Glycosaminoglycan-depolymerizing enzymes produced by anaerobic bacteria isolated from the human mouth. Tipler LS, et al. **Arch Oral Biol** 1985;30(5):391–6

Biochemical and serological studies on oral ureaplasma. Saito Y, et al. **Bull Tokyo Med Dent Univ** 1984 Sep;31(3):155–64

Cytotoxic effects of culture supernatants of oral bacteria and various organic acids on Vero cells. Grenier D, et al. **Can J Microbiol** 1985 Mar;31(3):302–4

Endogenous infection in mice with streptozotocin-induced diabetes. A feature of bacterial translocation. Imai A, et al. **Can J Microbiol** 1984 Nov;30(11):1344–8

Detection of collagenase activity in oral bacteria. Mayrand D, et al. **Can J Microbiol** 1985 Feb;31(2):134–8

Properties of oral asaccharolytic black-pigmented Bacteroides. Mayrand D, et al. **Can J Microbiol** 1984 Sep;30(9):1133–6

Characteristics of the outer membrane of selected oral Bacteroides species. Williams GD, et al. **Can J Microbiol** 1985 Mar;31(3):238–50

Cell surface proteins of oral streptococci. Appelbaum B, et al. **Infect Immun** 1984 Oct;46(1):245–50

Influence of pH and fluoride on properties of an oral strain of Lactobacillus casei grown in continuous culture. Hamilton IR, et al. **Infect Immun** 1985 Jun;48(3):664–70

Dissipation of the proton motive force in oral streptococci by fluoride. Kashket S, et al. **Infect Immun** 1985 Apr;48(1):19–22

Coaggregation of oral Bacteroides species with other bacteria: central role in coaggregation bridges and competitions. Kolenbrander PE, et al. **Infect Immun** 1985 Jun;48(3):741–6

Microbe-induced lymphocyte blastogenesis enhancement after preculture. Lopatin DE, et al. **Infect Immun** 1985 Apr;48(1):159–64

Characterization of Staphylococcus aureus isolates from oral surgical outpatients compared to isolates from hospitalized and non-hospitalized individuals. Köndell PA, et al. **Int J Oral Surg** 1984 Oct;13(5):416–22

Contamination of dental unit cooling water with oral microorganisms and its prevention. Bagga BS, et al. **J Am Dent Assoc** 1984 Nov;109(5):712–6

Resistance in oral streptococci after repetition of a single-dose amoxycillin prophylactic regimen. Harrison GA, et al. **J Antimicrob Chemother** 1985 Apr;15(4):501–3

Resistance in oral streptococci after repeated three-dose erythromycin prophylaxis. Harrison GA, et al. **J Antimicrob Chemother** 1985 Apr;15(4):471–9

Detection of Epstein-Barr virus DNA in mouthwashes by hybridization. Ambinder RF, et al. **J Clin Microbiol** 1985 Mar;21(3):353–6

Chemically defined medium for oral microorganisms. Socransky SS, et al. **J Clin Microbiol** 1985 Aug;22(2):303–5

Antibiotic susceptibility of anaerobic bacteria from the human oral cavity. Baker PJ, et al. **J Dent Res** 1985 Oct;64(10):1233–44

The effects of different concentrations of sucrose, fructose, and glucose on pH changes by Streptococcus mitior in an artificial mouth. Lagerlöf F, et al. **J Dent Res** 1985 Mar;64(3):405–10

Oral colonization and susceptibility testing of Pseudomonas aeruginosa oral isolates from cystic fibrosis patients. Lindemann RA, et al. **J Dent Res** 1985 Jan;64(1):54–7

Electron microscopic studies on oral microbial interactions in plaque formation in vitro associated with Streptococcus mutans. Matsui N. **J Electron Microsc (Tokyo)** 1984;33(2):131–41

Genetic exchange between oral streptococci during mixed growth. Kuramitsu HK, et al. **J Gen Microbiol** 1984 Oct;130 (Pt 10):2497–500

The development of bacterial flora of premature neonates. Rotimi VO, et al. **J Hyg (Lond)** 1985 Jun;94(3):309–18

Susceptibility of fungi in mouthrinse specimens from patients with haematological malignancies. Kostiala AA, et al. **J Med Microbiol** 1984 Oct;18(2):249–54

Effect of repeated high dose prophylaxis with amoxycillin on the resident oral flora of adult volunteers. Woodman AJ, et al. **J Med Microbiol** 1985 Feb;19(1):15–23

Salivary composition and oral Candida in asthmatic children and the effect of inhaled drugs. Ben-Aryeh H, et al. **J Oral Med** 1985 Jul-Sep;40(3):123–6

A survey of plasmids in Veillonella strains isolated from human oral cavity. Arai T, et al. **Kitasato Arch Exp Med** 1984 Sep;57(3):233–7

Effect of oral bacteria on the in vitro growth of Mycoplasma orale. Martin-Bourgon C, et al. **Microbiol Esp** 1984 Jan-Jun;37(1-2):55–63

Prevalence and biochemical properties of Haemophilus species in the oral cavity of healthy adults--investigation of three Japanese individuals. Kawakami Y, et al. **Microbiol Immunol** 1984;28(11):1261–5

Pseudomonas aeruginosa in the oral cavity and sputum of patients with cystic fibrosis. Komiyama K, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):590–4

The effect of cytotoxic therapy on saliva and oral flora. Main BE, et al. **Oral Surg Oral Med Oral Pathol** 1984 Nov;58(5):545–8

Formation and ecology of plaque at different locations in the mouth. Theilade E, et al. **Scand J Dent Res** 1985 Apr;93(2):90–5

[Effect of fluoride on the growth and adherence of Streptococcus mutans] Liu Z. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Sep;19(3):133–6 **(Chi)**

[Stomatococcus mucilaginosus: cultural and biochemical properties of 100 strains isolated from the ORL area] Baldellon C, et al. **Ann Inst Pasteur Microbiol** 1985 Mar-Apr;136A(2):213–26 (Eng. Abstr.) **(Fre)**

[Incidence of yeasts in the oral cavity in reference to signs of inflammation, the wearing of a removable denture and oral hygiene] St. Bosse H, et al. **Zahn Mund Kieferheilkd** 1984;72(7):663–7 (Eng. Abstr.) **(Ger)**

[Effect of antimycotic therapy of denture stomatitis on the bacterial flora of the oral cavity] Spiechowicz E, et al. **Zahn Mund Kieferheilkd** 1984;72(7):668–72 (Eng. Abstr.) **(Ger)**

[Pseudomonas aeruginosa in the oral cavity: occurrence and age distribution of adult germ carriers] Botzenhart K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 May;180(5-6):471–9 (Eng. Abstr.) **(Ger)**

[Oral microbial flora and sucking] Grasso GM, et al. **Minerva Stomatol** 1985 May-Jun;34(3):463–7 (Eng. Abstr.) **(Ita)**

[Characteristics of the oral microflora in workers in the manufacture of tetracycline] Kochetkova MG, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):79 **(Rus)**

[Preventive mycological examination of women in a textile mill] Blahová M, et al. **Bratisl Lek Listy** 1984 Aug;82(2):1021–5 (Eng. Abstr.) **(Slo)**

PARASITOLOGY

[Oral protozoiasis] Sun CX. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Mar;20(2):112–4 **(Chi)**

[Occurrence of Trichomonas tenax in certain population groups] Pechtorová J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1985 Mar;34(2):123–7 (Eng. Abstr.) **(Cze)**

PATHOLOGY

The patient with ichthyosis. Report of a case. Martin MD, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):581–4

PHYSIOLOGY

Associations between anterior temporal, masseter, and orbicularis oris muscle activity and craniofacial morphology in children. Lowe AA, et al. **Am J Orthod** 1984 Oct;86(4):319–30

Mechanism of intraoral transport in macaques. Franks HA, et al. **Am J Phys Anthropol** 1984 Nov;65(3):275–82

Oral stimulation alters digestion of intragastric oil meals in rats. Ramirez I. **Am J Physiol** 1985 Apr;248(4 Pt 2):R459–63

Upper airway artifact in respiratory impedance measurements. Peslin R, et al. **Am Rev Respir Dis** 1985 Sep;132(3):712–4

Infants are not obligatory nasal breathers. Rodenstein DO, et al. **Am Rev Respir Dis** 1985 Mar;131(3):343–7

Pertinent considerations in oral pigmentations. Dummett CO. **Br Dent J** 1985 Jan 5;158(1):9–12 (15 ref.)

On the role of the mouth and gut in the control of saccharin and sugar intake: a reexamination of the sham-feeding preparation. Sclafani A, et al. **Brain Res Bull** 1985 Jun;14(6):569–76

Development of a new intraoral demineralization test. Brudevold F, et al. **Caries Res** 1984;18(5):421–9

Vowel oral air flow rates and air volumes for vowels [letter] Warren DW. **Cleft Palate J** 1985 Apr;22(2):134–5

The effect of the player's vocal tract on woodwind instrument tone. Backus J. **J Acoust Soc Am** 1985 Jul;78(1 Pt 1):17–20

Does the oral apparatus of the ciliate Stentor inhibit oral development by release of a diffusible substance? de Terra N. **J Embryol Exp Morphol** 1985 Jun;87:241–7

Cytoskeletal discontinuities in the cell body cortex initiate basal body assembly and oral development in the ciliate Stentor. de Terra N. **J Embryol Exp Morphol** 1985 Jun;87:249–57

Oral structural and neuromuscular characteristics in children with normal and disordered articulation. Dworkin JP, et al. **J Speech Hear Disord** 1985 May;50(2):150–6

Peak intraoral air pressure in [p] as a function of F0 in Chinese. Zee E. **Lang Speech** 1984 Oct-Dec;27 (Pt 4):381–90

On the interpretation of mouth asymmetry. Graves R, et al. **Neuropsychologia** 1985;23(1):121–2

Asymmetry of speech actions. Hager JC, et al. **Neuropsychologia** 1985;23(1):119–22

[The buccal cavity : a space for speaking, breathing, feeding] Veaux M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(4):407–12 (Eng. Abstr.) **(Fre)**

[Localization, physiopathology and functional implications of zinc with special reference to the stomatognathic apparatus. Current approaches and new findings] Picarelli A, et al. **Minerva Stomatol** 1984 Jul-Aug;33(4):615–23 (88 ref.) (Eng. Abstr.) **(Ita)**

RADIATION EFFECTS

Backscattering from dental restorations and splint materials during therapeutic radiation. Farman AG, et al. **Radiology** 1985 Aug;156(2):523–6

RADIOGRAPHY

High resolution computed tomography, Part 2: The salivary glands and oral cavity. Swartz JD, et al. **Head Neck Surg** 1984 Dec;7(2):150–61

SURGERY

A flap for moderate-sized oral defects. Georgiade G, et al. **Ann Plast Surg** 1985 Jan;14(1):55–8

Oral cavity reconstruction using pectoralis major muscle and amnion. Lawson VG. **Arch Otolaryngol** 1985 Apr;111(4):230–3

Experimental application of a human fibrin glue in oral surgery. Forabosco A, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jul;

27(3):171–80

Fasciocutaneous flaps in intraoral reconstruction. McGregor IA. **Clin Plast Surg** 1985 Jul;12(3):453–61

Double-blind comparison of piroxicam and mefenamic acid in the treatment of oral surgical pain. Ohnishi M, et al. **Eur J Rheumatol Inflamm** 1983;6(3):253–8

Double-blind evaluation of piroxicam and indomethacin in the treatment of inflammation following oral surgery. Ohnishi M, et al. **Eur J Rheumatol Inflamm** 1983; 6(3):259–65

Surgical emergencies in the dental office. Hardman EG. **Int Dent J** 1984 Dec;34(4):245–8

The pectoralis major myocutaneous flap for intraoral reconstruction: surgical complications and their treatment. Ueda M, et al. **J Maxillofac Surg** 1985 Feb;13(1):9–13

The sternocleidomastoid muscle as a muscular or myocutaneous flap for oral and facial reconstruction. Marx RE, et al. **J Oral Maxillofac Surg** 1985 Mar;43(3):155–62

An introduction to ultrasonography in oral surgery. Wilson IR, et al. **Oral Surg Oral Med Oral Pathol** 1985 Mar; 59(3):236–41

Analgesic effect of acetaminophen, phenyltoloxamine and their combination in postoperative oral surgery pain. Forbes JA, et al. **Pharmacotherapy** 1984 Jul–Aug;4(4):221–6

A new light for the Dingman-Millard mouth gag [letter] Lehman JA Jr, et al. **Plast Reconstr Surg** 1985 Feb; 75(2):280

Transoral anterior decompression for treatment of unreducible atlantoaxial dislocations. Lee ST, et al. **Surg Neurol** 1985 Mar;23(3):244–8

[Application of xuejie in oral and maxillofacial surgery] Lu XX. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Oct;4(10):626–7 (Chi)

[Use of computerized tomography in oral and maxillofacial surgery--report of 12 cases] Chen ZH. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Jun;19(2):107–8 (Chi)

[Platysma myocutaneous flap for intraoral reconstruction] Lee FP, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jun; 83(6):612–7 (Eng. Abstr.) (Chi)

[Velopharyngeal rehabilitation after transmaxillary buccopharyngectomy extending to the soft palate] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 1985; 102(3):135–7 (Eng. Abstr.) (Fre)

[Our experience in reconstruction after transmandibular buccopharyngectomy. Comparative study of various flaps. Apropos of 74 cases] Guerrier B, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(6):455–7 (Eng. Abstr.) (Fre)

[Nerve damage. An occurrence or complication common in dentistry] Maranda G. **Can Dent Assoc J** 1985 Jun; 51(6):445–7 (Eng. Abstr.) (Fre)

[Value of Tissucol in dentistry and maxillofacial surgery] Seguin P, et al. **Rev Stomatol Chir Maxillofac** 1985; 86(3):189–91 (Eng. Abstr.) (Fre)

[Reconstruction of the oral cavity with myocutaneous flaps and the laterocervical hinge approach] Gurrieri V, et al. **Chir Ital** 1985 Feb;37(1):100–6 (Eng. Abstr.) (Ita)

[Platysmal myocutaneous flap in the reconstruction of the oral cavity and pharynx] Kralj Z, et al. **Acta Med Iugosl** 1984;38(3):189–96 (Eng. Abstr.) (Ser)

MOUTH ABNORMALITIES

COMPLICATIONS

True median cleft of the upper lip associated with three pedunculated club-shaped skin masses. Nakamura J, et al. **Plast Reconstr Surg** 1985 May;75(5):727–31

DIAGNOSIS

Oral findings of fetal alcohol syndrome patients. Riekman GA. **Can Dent Assoc J** 1984 Nov;50(11):841–2

ETIOLOGY

Similarity of effects--experimental hyperthermia as a teratogen and maternal febrile illness associated with oromandibular and limb defects. Superneau DW, et al. **Am J Med Genet** 1985 Jul;21(3):575–80

FAMILIAL & GENETIC

Effectiveness of genetic counseling for families with craniofacial anomalies. Broder H, et al. **Cleft Palate J** 1985 Jul;22(3):157–62

OCCURRENCE

[Congenital malformations in the otorhinolaryngologic area in newborn infants] Savic D, et al. **Srp Arh Celok Lek** 1984 Mar;112(3):273–86 (Scc)

PATHOLOGY

Congenital malformation: dental features of acardia--case report. Dean D, et al. **J Oral Med** 1985 Jul–Sep;40(3):106–7

REHABILITATION

[Early functional orthodontic treatment of orofacial developmental disorders in children with Down's syndrome] Fischer-Brandies H, et al. **Monatsschr Kinderheilkd** 1984 Aug;132(8):620–1 (Eng. Abstr.) (Ger)

[Stomatological developmental anomalies and guidelines for their prosthetic rehabilitation] Schranz D. **Fogorv Sz** 1984 Oct;77(10):297–9 (Hun)

SURGERY

Giving thanks: turkey takes second place to hard work. Grenier J, et al. **Tex Med** 1984 Nov;80(11):61–3

MOUTH BREATHING

COMPLICATIONS

Noses, tongues, and teeth. Lieberman MA, et al. **ASDC J Dent Child** 1985 Jan–Feb;52(1):42–4

DRUG THERAPY

Effect of an intranasally administered corticosteroid (budesonide) on nasal obstruction, mouth breathing, and asthma. Henriksen JM, et al. **Am Rev Respir Dis** 1984 Dec; 130(6):1014–8

PHYSIOPATHOLOGY

Morphologic response to changes in neuromuscular patterns experimentally induced by altered modes of respiration. Vargervik K, et al. **Am J Orthod** 1984 Feb;85(2):115–24

Influence of the respiratory route on the resting breathing pattern in humans. Rodenstein DO, et al. **Am Rev Respir Dis** 1985 Jan;131(1):163–6

Facial height and breadth relative to dietary consistency and oral breathing in two populations (North India and U.S.). Corruccini RS, et al. **Hum Biol** 1985 May;57(2):151–61

Soft palate and oronasal breathing in humans. Rodenstein DO, et al. **J Appl Physiol** 1984 Sep;57(3):651–7

Oral breathing in newborn infants. Miller MJ, et al. **J Pediatr** 1985 Sep;107(3):465–9

MOUTH DISEASES

see related
DIAGNOSIS, ORAL
HALITOSIS
MOUTH REHABILITATION
ORAL HEALTH

Oral disease and quality of life [editorial] Nikias M. **Am J Public Health** 1985 Jan;75(1):11–2

Dental health and public policy: the social impact of dental disease. Reisine ST. **Am J Public Health** 1985 Jan; 75(1):27–30

Tricks and traps in dental clinical trials. Carlos JP. **Community Dent Oral Epidemiol** 1985 Apr;13(2):79–81

Divisional Abstracts, supported by the International College of Dentists. **J Dent Res** 1985 Apr;64(4):638–781

International Association of Oral Pathologists. Second scientific meeting, Noordwijkerhout, The Netherlands, June 4th to 7th, 1984. Abstracts of free communications. **J Oral Pathol** 1985 Jan;14(1):63–93

Common oral diseases of children. Feigal RJ. **Pediatr Ann** 1985 Feb;14(2):133–8

[20 years of the Department of Internal Medicine, Stomatology Division] Válek A. **Cas Lek Cesk** 1984 Dec 21;123(51):1573–4 (Cze)

[Scientific research in odontostomatology: current status and prospectives] Valletta G. **Minerva Stomatol** 1984 Nov–Dec; 33(6):XXXIII–XXXVI (Ita)

[Swiss Working Group on Maxillofacial Surgery and Stomatology. 25th annual meeting, 24–25 February 1984 in Locarno. Abstracts] **Schweiz Monatsschr Zahnmed** 1984 Sep;94(9):822–49 (Mul)

[Endocrinologically-induced changes in the oral cavity during pregnancy] Hillier-Kolarov V. **Med Pregl** 1985; 38(3–4):179–84 (Eng. Abstr.) (Ser)

BLOOD

[A and B isoantigens in oral cancer and non-cancerous lesions] Chen RJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Dec;83(12):1301–8 (Eng. Abstr.) (Chi)

CHEMICALLY INDUCED

Allopurinol-amplified lichenoid reactions of the oral mucosa. Chau NY, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):397–400

Indomethacin reaction [letter] Movsowitz F, et al. **S Afr Med J** 1985 Mar 9;67(10):357

Oral conditions in patients receiving long-term treatment with cyclic antidepressant drugs. Rundegren J, et al. **Swed Dent J** 1985;9(2):55–64

CLASSIFICATION

Benign soft tissue tumors of the oral cavity [letter] Gould AR. **Int J Dermatol** 1985 May;24(4):264

COMPLICATIONS

Obstructive sleep apnea syndrome caused by oral cyst: a case report. Alving J, et al. **Acta Neurol Scand** 1985 May; 71(5):408–10

Dental factors in infective endocarditis [editorial] Seldin EB. **Circulation** 1985 Jun;71(6):1093–4

Oral erosive lichen planus and chronic active hepatitis [letter] Katz M, et al. **J Am Acad Dermatol** 1985 Apr;12(4):719

DIAGNOSIS

Benign mucous membrane (cicatricial) pemphigoid revisited: a clinical and immunological reappraisal. Williams DM, et al. **Br Dent J** 1984 Nov 10;157(9):313–6

Multiple, painful vesiculoulcerative lesions in the oral mucosa. Correll RW, et al. **J Am Dent Assoc** 1985 May; 110(5):765–6

Diagnostic yield and selection criteria in complete intraoral radiography. Weems RA, et al. **J Am Dent Assoc** 1985 Mar;110(3):333–8

Reliability of cytodiagnosis in oral pemphigus vulgaris. A study of 30 cases. Ruocco V, et al. **J Dermatol (Tokyo)** 1984 Dec;11(6):535–40

Diagnosis and treatment of erosive lichen planus: (report of two cases). Doyle JL, et al. **J Oral Med** 1985 Jan–Mar; 40(1):18–22

Tuberculosis initially diagnosed by asymptomatic oral lesions. Report of three cases. Mani NJ. **J Oral Med** 1985 Jan–Mar; 40(1):39–42

Wound amylase levels as an early indicator of orocutaneous fistulae. Larsen LR, et al. **Laryngoscope** 1984 Oct; 94(10):1302–6

Oral manifestations of sarcoidosis: report of a case masquerading as a neoplasm. DeLuke DM, et al. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):184–8

Undifferentiated connective tissue disease. Rich AM, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):408–12

[Use of direct immunofluorescence testing on cellular smears in the diagnosis of oral pemphigus vulgaris] Sha YQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Jun;19(2):76–7 (Chi)

[Value of toluidine blue in the diagnosis of tumors of the oral cavity] Menasse J, et al. **Acta Stomatol Belg** 1984 Sep; 81(2):145–51 (Eng. Abstr.) (Fre)

[Differential diagnosis of ulcerative, vesicular and bullous lesions of the oral cavity] Perusse R. **Can Dent Assoc J** 1984 Aug;50(8):639–44 (Eng. Abstr.) (Fre)

[Differential diagnosis of pigmented lesions of the oral cavity] Pérusse R, et al. **Can Dent Assoc J** 1984 Oct;50(10):783–7 (Eng. Abstr.) (Fre)

[Primary oral syphilis. A sometimes difficult diagnosis] Cousteau C, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(5):391–8 (Eng. Abstr.) (Fre)

[Buccal mucosal manifestations of Bourneville's tuberous sclerosis. Apropos of 3 cases] Fleury JE, et al. **Rev Stomatol Chir Maxillofac** 1984;85(5):375–82 (Eng. Abstr.) (Fre)

[Spectrum of mucosal diseases of the oral cavity--from the normal mucosa to pathological manifestations] Maeglin B. **Schweiz Monatsschr Zahnmed** 1984 Oct;94 Spec No:880–93 (Eng. Abstr.) (Ger)

[Possibilities for the objective evaluation of the glossalgia and stomatodynia syndrome. 3. Stereognostic studies] Wagner IV. **Zahn Mund Kieferheilkd** 1984;72(5):425–30 (Eng. Abstr.) (Ger)

[Oral manifestations of Gardner's syndrome] Bucci E, et al. **Minerva Stomatol** 1985 May–Jun;34(3):511–4 (Eng. Abstr.) (Ita)

[Lichen ruber planus of the oral mucosa: biological and clinical aspects. A review of the literature and the experiences drawn from clinical cases] Gandolfo S, et al. **Minerva Stomatol** 1985 May–Jun;34(3):485–96 (40 ref.) (Eng. Abstr.) (Ita)

[Usefulness of thin-needle aspiration biopsy in stomatological surgery] Popowicz J. **Ann Acad Med Stetin** 1984;30:221–30 (Eng. Abstr.) (Pol)

DRUG THERAPY

Bioadhesive intraoral release systems: design, testing and analysis. Gurny R, et al. **Biomaterials** 1984 Nov;5(6):336–40

Odontogenic infections [letter] **Br Dent J** 1984 Aug 11; 157(3):84

Investigation and treatment of orogenital ulceration; studies on a possible mode of action of thalidomide. Powell RJ, et al. **Br J Dermatol** 1985 Jul;113 Suppl 28:141–4

Systemic isotretinoin treatment of oral and cutaneous lichen planus. Woo TY. **Cutis** 1985 Apr;35(4):385–6, 390–1, 393

Sucralfate suspension for mouth ulcers [letter] Ferraro JM. **Drug Intell Clin Pharm** 1985 Jun;19(6):480

Oral submucous fibrosis--treatment with hyalase. Kakar PK, et al. **J Laryngol Otol** 1985 Jan;99(1):57–9

Treatment of oral lichen planus with topical vitamin A acid. Zegarelli DJ. **J Oral Med** 1984 Jul–Sep;39(3):186–91

Thalidomide, orogenital ulcers, and the risk of teratogenesis [letter] Lehner T, et al. **Lancet** 1985 Feb 2;1(8423):288–9

Modified topical steroid therapy for the treatment of oral mucous membrane pemphigoid. Aufdemorte TB, et al. **Oral Surg Oral Med Oral Pathol** 1985 Mar;59(3):256–60

The treatment of erosive lichen planus with a retinoid--etretinate. Ferguson MM, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep;58(3):283–7

[Evaluation of the treatment of oral lichen planus by activating blood circulation and eliminating stasis] Huang YJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jan; 20(1):26–8, 63 (Eng. Abstr.) (Chi)

[Clinical application of compound retinoic acid in the treatment of oral lichen planus] Sun ZY. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Mar;19(1):35–6 (Chi)

[Antibiotics in orodental pathology] Scavizzi M, et al. **Rev Odontostomatol (Paris)** 1984 Jul–Aug;13(4):295–308 contd (Fre)

[Corticosteroids and orodental lesions] Dunant Y. **Schweiz Monatsschr Zahnmed** 1984 Oct;94 Spec No:979–84 (Eng. Abstr.) (Fre)

[Clinical evaluation of fosfomycin in dental infectious pathology] Cofini S, et al. **Clin Ter** 1984 Dec 31; 111(6):539–43 (Eng. Abstr.) (Ita)

[Evaluation of the clinical efficacy of fosfomycin lozenges in the prevention of complications in surgical interventions in odontostomatology] Dolci G, et al. **Clin Ter** 1985 Jan 31;112(2):131–9 (Eng. Abstr.) (Ita)

[Evaluation of the clinical efficacy of fosfomycin in soluble tablets in the therapy of infectious processes of the oral cavity] Dolci G, et al. **Clin Ter** 1984 Aug 31;110(4):345–51 (Eng. Abstr.) (Ita)

[Fosfomycin: analysis of the antibiotic and its effects in odontostomatologic diseases] Palattella G, et al. **Clin Ter** 1985 May 15;113(3):211–4 (Eng. Abstr.) (Ita)

[Therapeutic value of cefroxadin (CGP 9000) in ambulatory dental practice] Barbero P, et al. **Minerva Stomatol** 1985 May–Jun;34(3):579–82 (Eng. Abstr.) (Ita)

[Pharmacotherapeutic guidance for pregnant patients with dental pathology] Portaleone P, et al. **Minerva Stomatol** 1985 Mar–Apr;34(2):329–32 (Eng. Abstr.) (Ita)

[Clinical evaluation of sustained release preparations of cefaclor in dental infections. Comparative double blind clinical studies of sustained release preparations with a regular preparation of cefaclor] Horii M, et al. **Jpn J Antibiot** 1985 Apr;38(4):1117–40 (Eng. Abstr.) (Jpn)

[Case of pemphigus of the oral mucosa with complete remission after treatment with corticosteroids and immunosuppressive agents] Sienkiewicz H, et al. **Otolaryngol Pol** 1984;38(2):177–9 (Eng. Abstr.) (Pol)

[Current methods of treating perioral dermatitis] Khrunova AP, et al. **Vestn Dermatol Venerol** 1985 Apr;(4):26–30 (68 ref.) (Rus)

ENZYMOLOGY

Histoenzymological features of epithelial cells in lesions of oral mucosa in cysts and ameloblastomas of jaws. Chomette G, et al. **Int J Oral Surg** 1985 Feb;14(1):61–72

ETIOLOGY

Oral manifestations of bone marrow transplantation. Carl W, et al. **Am J Clin Oncol** 1985 Feb;8(1):81–7

Sublingual emphysema complicating dental anesthesia. Means LJ, et al. **Anesth Analg** 1985 Jul;64(7):737–8

Dental health of survivors of malignant disease. Welbury RR, et al. **Arch Dis Child** 1984 Dec;59(12):1186–7

Dental manifestations of familial hypophosphatemic vitamin–D–resistant rickets: report of case. Ozkan S, et al. **ASDC J Dent Child** 1984 Nov–Dec;51(6):448–50

X–linked hypophosphataemic vitamin D–resistant rickets. Seow WK. **Aust Dent J** 1984 Dec;29(6):371–7

Secondary syphilis with extensive oral manifestations. Wong PN. **Aust Dent J** 1985 Feb;30(1):22–4

Traumatic herniation of buccal pad of fat. Peacock TR, et al. **Br Dent J** 1985 Feb 23;158(4):128–9

Oral manifestations of Sweet's syndrome. Driban NE, et al. **Dermatologica** 1984;169(2):102–3

Aseptic meningitis in a neonate with an oral vesicular lesion. Murray D, et al. **Diagn Microbiol Infect Dis** 1985 Jan; 3(1):77–80

Oro–nasal fistula secondary to maxillary augmentation. Eppley B, et al. **Int J Oral Surg** 1984 Dec;13(6):535–8

Electrogalvanically–induced contact allergy of the oral mucosa. Report of a case. Lind PO, et al. **Int J Oral Surg** 1984 Aug;13(4):339–45

An oral soft tissue lesion associated with a sinus mass. Vizuete JR, et al. **J Am Dent Assoc** 1985 Apr;110(4):535–6

Oral complications of anorexia nervosa and/or bulimia: with a review of the literature. Clark DC. **J Oral Med** 1985 Jul–Sep;40(3):134–8 (23 ref.)

Oral lesion in a patient with calcinosis and arthritis: case report and differential diagnosis. Bernstein ML, et al. **J Oral Pathol** 1985 Jan;14(1):8–14

Diabetes mellitus and associated oral manifestations: a review. Murrah VA. **J Oral Pathol** 1985 Apr;14(4):271–81 (85 ref.)

Lichen planus: review and update on pathogenesis. Scully C, et al. **J Oral Pathol** 1985 Jul;14(6):431–58 (345 ref.)

An investigation into the association between leukoedema and smoking. van Wyk CW. **J Oral Pathol** 1985 Jul; 14(6):491–9

The prevalence of edentulism and diseases related to dentures––a literature review. MacEntee MI. **J Oral Rehabil** 1985 May;12(3):195–207 (82 ref.)

A variation from classic oral manifestations associated with acute myeloblastic leukemia. A case report. Gordon MR, et al. **J Periodontol** 1985 May;56(5):285–7

Diabetes mellitus and the dental patient. Firkin DJ, et al. **NZ Dent J** 1985 Jan;81(363):7–11

Orofacial aspergillosis in acute leukemia. Dreizen S, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):499–504

Oral presentations in non–Hodgkin's lymphoma: a review of thirty–one cases. Part III. Six cases in children. Eisenbud L, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan; 59(1):44–51

Ocular and oral problems in arthritis. How to recognize, when to refer. Fox RI, et al. **Postgrad Med** 1985 Sep 1; 78(3):87–93, 96–7

[Oral manifestations in patients with hematologic diseases––analysis of 1,005 cases] Pan XY. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Mar;19(1):39–41 (Chi)

[Oral manifestations of Crohn's disease] Van Rompaey D, et al. **Acta Stomatol Belg** 1984 Dec;81(4):293–318 (Dut)

[Neglected diseases in pedodontics] Bollobás E. **Fogorv Sz** 1985 Jul;78(7):211–5 (Eng. Abstr.) (Hun)

[Stomatologic implications of multiple sclerosis] Ivánkievicz D, et al. **Fogorv Sz** 1985 Feb;78(2):38–40 (Eng. Abstr.) (Hun)

[Occupational and environmental pathology of the oral cavity] Malfatti ER. **G Clin Med** 1984 Sep–Oct; 65(9–10):395–408 (Eng. Abstr.) (Ita)

[Focal epithelial hyperplasia (Heck disease)] Rodrigues JC, et al. **Med Cutan Ibero Lat Am** 1985;13(1):13–6 (Eng. Abstr.) (Por)

FAMILIAL & GENETIC

Oral Crohn's disease: report of two cases in brothers with metallic dysgeusia and a review of the literature. Frankel DH, et al. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):260–8

IMMUNOLOGY

Oral lichen planus: an immunoperoxidase study using monoclonal antibodies to lymphocyte subsets. Matthews JB, et al. **Br J Dermatol** 1984 Nov;111(5):587–95

Pemphigus vulgaris and malignancy. Armin A, et al. **Int J Oral Surg** 1985 Aug;14(4):376–80

Serum immunoglobulins and autoantibodies in patients with oral lichen planus. Lundström IM. **Int J Oral Surg** 1985 Jun;14(3):259–68

Assessment of Langerhans' cells in oral lichen planus using monoclonal antibodies. Sloberg K, et al. **J Oral Pathol** 1984 Oct;13(5):516–24

Neutrophil function and oral disease. Van Dyke TE, et al. **J Oral Pathol** 1985 Feb;14(2):95–120 (240 ref.)

Immunologic findings of oral lichen planus. Pihlman K, et al. **Scand J Dent Res** 1985 Aug;93(4):336–42

[Immunologic pathology of oral lichen planus] Yu SF. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Jun;19(2):101–3 (Chi)

[Pathomechanism of erosive oral lichen] Sallay K, et al. **Fogorv Sz** 1984 Dec;77(12):369–73 (Eng. Abstr.) (Hun)

[HLA in oral diseases] Sato O. **Kokubyo Gakkai Zasshi** 1984 Jun;51(2):457 (Jpn)

METABOLISM

Alterations in fibronectin distribution in oral mucosal vesiculo–bullous lesions. Jonsson R, et al. **J Oral Pathol** 1985 Feb;14(2):141–9

MICROBIOLOGY

Pathogenic synergy: mixed infections in the oral cavity. van Steenbergen TJ, et al. **Antonie Van Leeuwenhoek** 1984; 50(5–6):789–98 (64 ref.)

Infection in the patient receiving chemotherapy for cancer: oral considerations. McElroy TH. **J Am Dent Assoc** 1984 Sep;109(3):454–6

Clinical appearance of orofacial infections of odontogenic origin in relation to microbiological findings. Heimdahl A, et al. **J Clin Microbiol** 1985 Aug;22(2):299–302

Papillomaviruses: their possible role in oral disease. Scully C, et al. **Oral Surg Oral Med Oral Pathol** 1985 Aug; 60(2):166–74 (110 ref.)

[Prevention of mediastinitis caused by anaerobic ondotogenic anaerobes (letter)] Miossec A, et al. **Ann Fr Anesth Reanim** 1985;4(1):94–5 (Fre)

OCCURRENCE

Oral health status of homeless men in Brisbane. Jago JD, et al. **Aust Dent J** 1984 Jun;29(3):184–8

Developing a computerized data base for demographic and epidemiological studies of oral diseases. Priddy RW, et al. **Can Dent Assoc J** 1985 Apr;51(4):303–5

Dental status of pregnant women attending a Brisbane maternity hospital. Jago JD, et al. **Community Dent Oral Epidemiol** 1984 Dec;12(6):398–401

Oral health status in the United States: oral cancer and soft tissue lesions. Fischman SL. **J Dent Educ** 1985 Jun; 49(6):379–85

Oral mucosal lesions among elderly in Israel. Fleishman R, et al. **J Dent Res** 1985 May;64(5):831–6

Oral mucosal disorders in denture wearers. Dorey JL, et al. **J Prosthet Dent** 1985 Feb;53(2):210–3

Cysts of the oral mucosa in newborns: a clinical observation. Ikemura K, et al. **Sangyo Ika Daigaku Zasshi** 1983 Jun 1; 5(2):163–8

[Oral protozoiasis] Sun CX. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Mar;20(2):112–4 (Chi)

[Prevalence of buccodental diseases] Duquette P, et al. **Can Dent Assoc J** 1984 Nov;50(11):844–6 (Eng. Abstr.) (Fre)

[Analysis of morbidity with temporary loss of work capacity based on data from the surgical department of a provincial dental polyclinic] Dem'ianenko VI, et al. **Stomatologiia (Mosk)** 1985 Jan–Feb;64(1):72–3 (Rus)

[Dental morbidity in schoolchildren with varying states of health] Tristen' KS, et al. **Stomatologiia (Mosk)** 1984 Nov–Dec;63(6):20–2 (Eng. Abstr.) (Rus)

PATHOLOGY

Oral manifestations in Crohn's disease: report of a case. Estrin HM, et al. **Am J Gastroenterol** 1985 May;80(5):352–4

A histologic study of epithelial dysplasia in oral lichen planus. Odukoya O, et al. **Arch Dermatol** 1985 Sep;121(9):1132–6

Pemphigus vegetans limited to the lips and oral mucosa. Woo TY, et al. **Arch Dermatol** 1985 Feb;121(2):271–2

Oral lichen planus and squamous carcinoma. Case report and update of the literature. Kaplan B, et al. **Arch Otolaryngol** 1985 Aug;111(8):543–7 (53 ref.)

Sarcoid with oral involvement [letter] Zakrzewska J, et al. **Br Dent J** 1985 Jan 5;158(1):3–4

Oral blood blisters: angina bullosa haemorrhagica. Hopkins R, et al. **Br J Oral Maxillofac Surg** 1985 Feb;23(1):9–16

Bullous pemphigoid: a case report. Pinckney RC. **Br J Oral Maxillofac Surg** 1985 Jun;23(3):167–73

Peripheral keratosis of oral mucosal ulcers: a clinical sign of non–neoplastic disease. Reade PC, et al. **Br J Oral Maxillofac Surg** 1984 Oct;22(5):372–7

Oral pemphigoid. Tyldesley WR. **Br J Oral Maxillofac Surg** 1985 Jun;23(3):155–66

Atypical histiocytic granuloma. Light microscopic, ultrastructural, and histochemical findings in an unusual pseudomalignant reactive lesion of the oral cavity. Eversole LR, et al. **Cancer** 1985 Apr 15;55(8):1722–9

Volumetric determination of extraoral swelling from stereophotographs. A method study in the buccal area. Pedersen A, et al. **Int J Oral Surg** 1985 Jun;14(3):229–34

Ultrastructural aspects of oral and facial lepromatous lesions. Reichart PA, et al. **Int J Oral Surg** 1985 Feb;14(1):55–60

Nelson's syndrome: another condition associated with mucocutaneous hyperpigmentation. Moyer GN, et al. **J Oral Med** 1985 Jan–Mar;40(1):13–7

Oral lichen sclerosus et atrophicus: (report of a case). Siar CH, et al. **J Oral Med** 1985 Jul–Sep;40(3):148–50

An example of the use of quantitation in histological diagnosis by a comparison of normal human cheek mucosa and cheek mucosa affected by lichen planus. Heggie AA, et al. **J Oral Pathol** 1985 Jul;14(6):483–90

Macrophages in oral lichen planus. Matthews JB, et al. **J Oral Pathol** 1985 Aug;14(7):553–8

Unexpected inorganic elements in oral lesions: results of X–ray energy spectroscopy (XES) on particulate matter in paraffin sections. Levison DA, et al. **J Pathol** 1984 Oct; 144(2):119–29

Eosinophilic ulcer of the oral mucosa. Sklavounou A, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):431–6

Light, electron and immunofluorescence microscopic features of oral lichen planus, lupus erythematosus and leukoplakia. A review. Jungell P, et al. **Proc Finn Dent Soc** 1984;80(3):107–14 (63 ref.)

Oro–facial granulomatosis––a clinical and pathological analysis. Wiesenfeld D, et al. **Q J Med** 1985 Jan; 54(213):101–13

[Ultrastructural observations on the basement membrane in oral lichen planus] Zhang XL, et al. **Chung Hua I Hsueh Tsa Chih** 1984 Dec;64(12):738–40, 792 (Eng. Abstr.) (Chi)

[Oral pyogenic granuloma––report of 122 cases] Ma GS. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Mar;19(1):42–3 (Chi)

[Anatomical factors in dissemination of oral and maxillofacial infections] Zhang KQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Mar;19(1):32–4 (Chi)

[Histopathologic analysis of oral lichen planus] Zhang XL. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Mar;19(1):9–12 (Chi)

[Hurler's disease type 1 occurring in adulthood. Apropos of a case] Coutand A, et al. **Rev Stomatol Chir Maxillofac** 1984;85(5):383–5 (Fre)

[Wegener's granulomatosis] Mazalova NN, et al. **Stomatologiia (Mosk)** 1985 Jan–Feb;64(1):81 (Rus)

[Electron microscopic and histochemical research on lysosomes and acid phosphatase of epithelial cells of the normal oral mucosa and in lichen ruber planus] Raĭkhlin AN. **Vestn Dermatol Venerol** 1985 Jan;(1):13–7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Technique for making flexible impression trays for the microstomic patient. Whitsitt JA, et al. **J Prosthet Dent** 1984 Oct;52(4):608–9

Oral submucous fibrosis in a 4–year–old girl. Hayes PA. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):475–8

A prospective follow–up study of 570 patients with oral lichen planus: persistence, remission, and malignant association. Silverman S Jr, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jul;60(1):30–4

The spatial distribution, intensity and unpleasantness of acute dental pain. Sharav Y, et al. **Pain** 1984 Dec;20(4):363–70

PREVENTION & CONTROL

Oropharyngeal Candida prophylaxis in pediatric bone marrow transplant patients. Berkowitz RJ, et al. **Am J Pediatr Hematol Oncol** 1985 Spring;7(1):82–6

Prevention of oral diseases in developing countries. Saparamadu KD. **Int Dent J** 1984 Sep;34(3):166–9

An oral disease prevention program for patients receiving radiation and chemotherapy. Wright WE, et al. **J Am Dent Assoc** 1985 Jan;110(1):43-7

Prostheses for oral burn patients. Gay WD. **J Prosthet Dent** 1984 Oct;52(4):564-6

Oral complications of acute leukemia: prophylactic impact of a chlorhexidine mouth rinse regimen. McGaw WT, et al. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):275-80

Prevention of oral disease in children: concepts and practices. Crall JJ. **Pediatr Ann** 1985 Feb;14(2):140-1, 144-7

Prevention methods and programmes for oral diseases. Report of a WHO Expert Committee. **WHO Tech Rep Ser** 1984;713:1-46

[Planning of a preventive program for oro-dental diseases at the school level] Rioboo R. **Rev Sanid Hig Publica (Madr)** 1984 May-Jun; 58(5-6):495-509 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Oral lichen planus according to the modern medical model. Lowental U, et al. **J Oral Med** 1984 Oct-Dec;39(4):224-6

The psychosomatic component in prosthodontics. Newton AV. **J Prosthet Dent** 1984 Dec;52(6):871-4

[Studies on dental psychosomatic patients] Kawaguchi Y, et al. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):44-54 (Eng. Abstr.) **(Jpn)**

[Biofeedback training and preventive dentistry] Kawaguchi Y, et al. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):165 **(Jpn)**

RADIOGRAPHY

Barium pharyngography: comparison of single and double contrast. Semenkovich JW, et al. **AJR** 1985 Apr; 144(4):715-20

High resolution computed tomography, Part 2: The salivary glands and oral cavity. Swartz JD, et al. **Head Neck Surg** 1984 Dec;7(2):150-61

Computed tomography in oral and maxillofacial surgery. Janakarajah N, et al. **Singapore Med J** 1984 Oct;25(5):344-7

Computerized registration of epidemiological data from intraoral radiographs. Kullman L, et al. **Swed Dent J** 1985; 9(3):89-96

RADIOTHERAPY

[Indications for the use of soft laser therapy in dentistry] Re F, et al. **Minerva Stomatol** 1985 May-Jun;34(3):563-72 (Eng. Abstr.) **(Ita)**

[Use of a helium-neon laser in treating oral mucosal diseases in children] Mozgovaia LA, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):62-4 (Eng. Abstr.) **(Rus)**

SURGERY

Carbon dioxide laser surgery for benign oral lesions. Frame JW. **Br Dent J** 1985 Feb 23;158(4):125-8

[Information, errors and dangers in oro-maxillo-facial surgery. Detection and treatment] **Fortschr Kiefer Gesichtschir** 1985;30:1-196 **(Ger)**

[Operative treatment of patients at risk] Ahrberg W, et al. **Fortschr Kiefer Gesichtschir** 1985;30:24-6 **(Ger)**

[Prevention of complications in myocutaneous pectoralis flaps] Fritzemeier CU, et al. **Fortschr Kiefer Gesichtschir** 1985;30:164-6 **(Ger)**

[Morphologic studies on the problem of scar formation in the oro-maxillo-facial region] Hartmann N, et al. **Fortschr Kiefer Gesichtschir** 1985;30:78-9 **(Ger)**

[Complications of microvascular small intestine transplantation as a principle for improving operative technic] Hausamen JE, et al. **Fortschr Kiefer Gesichtschir** 1985;30:161-3 **(Ger)**

[Legal decisions in iatrogenic damage in oro-maxillo-facial surgery] Horch HH. **Fortschr Kiefer Gesichtschir** 1985; 30:18-22 **(Ger)**

[Problems in free tissue transplantation with microsurgical revascularization] Reuther J, et al. **Fortschr Kiefer Gesichtschir** 1985;30:158-60 **(Ger)**

[Staged informing of the patient in oro-maxillo-facial surgery] Schwenzer N. **Fortschr Kiefer Gesichtschir** 1985; 30:11-5 **(Ger)**

[Fortral-trichloroethylene analgesia during surgical procedures in patients with stomatological diseases] Starodubtsev VS, et al. **Voen Med Zh** 1985 Apr;(4):71-2 **(Rus)**

THERAPY

'Our elderly: Top priority' [letter] **Br Dent J** 1984 Dec 8; 157(11):382-3

Special people ... special care. **J Am Dent Assoc** 1985;Spec No:61-3

The dentistry-gerontology connection. Baum BJ. **J Am Dent Assoc** 1984 Dec;109(6):899-900

Periodontal and prosthetic treatment in patients with oral lichen planus. Erpenstein H. **J Clin Periodontol** 1985 Feb; 12(2):104-12

Alpha level distortions with repeated testing of follow-up dental data. Cohen ME. **J Dent Res** 1984 Oct;63(10):1214-6

Radiation therapy and management of the irradiated patient. Toljanic JA, et al. **J Prosthet Dent** 1984 Dec;52(6):852-8 (63 ref.)

The practical duties of frontier dental auxiliaries in Alaskan communities: a progress report. Dunning JM. **J Public Health Dent** 1984 Fall;44(4):138-40

The management of warts of the oral cavity. Fiumara NJ. **Sex Transm Dis** 1984 Oct-Dec;11(4):267-70

TRANSMISSION

Infectivity and natural transmission of the bacterium Streptococcus mutans in monkeys (Macaca fascicularis) at different ages. van Houte J, et al. **Arch Oral Biol** 1985; 30(4):345-51

VETERINARY

Observations on watery mouth in newborn lambs. Collins RO, et al. **Br Vet J** 1985 Mar-Apr;141(2):135-40

MOUTH DRYNESS see XEROSTOMIA

MOUTH, EDENTULOUS

see related
SURGERY, ORAL, PREPROSTHETIC

Improved mouthguard design for the edentulous sportsman. Chapman PJ. **Aust Dent J** 1985 Apr;30(2):86-8

[Clinico-statistical research on toothlessness in a sample of geriatric patients] Dal Vero R, et al. **Minerva Stomatol** 1985 Jan-Feb;34(1):75-80 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

[Various factors influencing ridge resorption in the edentulous mouth] Putz M, et al. **Acta Stomatol Belg** 1985 Jun;82(2):143-51 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

GAPO syndrome: report of three affected brothers. Gagliardi AR, et al. **Am J Med Genet** 1984 Oct;19(2):217-23

Growth retardation, alopecia, pseudo-anodontia, and optic atrophy--the GAPO syndrome: report of a patient and review of the literature. Tipton RE, et al. **Am J Med Genet** 1984 Oct;19(2):209-16

MICROBIOLOGY

Yeasts oral carriage in denture wearers. Vandenbussche M, et al. **Mykosen** 1984 Sep;27(9):431-5

OCCURRENCE

Edentulism and oral health problems among elderly rural Iowans: the Iowa 65+ rural health study. Hunt RJ, et al. **Am J Public Health** 1985 Oct;75(10):1177-81

Oral health status in the United States: tooth loss and edentulism. Weintraub JA, et al. **J Dent Educ** 1985 Jun; 49(6):368-78

PATHOLOGY

Vertical dimension in edentulous patients. MacGregor AR, et al. **J Dent** 1984 Dec;12(4):287-96

PHYSIOPATHOLOGY

The effect of body posture on the preferred vertical dimension of occlusion. Wright SM. **J Oral Rehabil** 1984 Sep;11(5):467-76

Changes in chewing patterns of patients with complete dentures after placement of osseointegrated implants in the mandible. Jemt T, et al. **J Prosthet Dent** 1985 Apr; 53(4):578-83

Relations between edentulous rest position and complete denture intercuspal position. van Niekerk FW, et al. **J Prosthet Dent** 1984 Sep;52(3):406-7

PSYCHOLOGY

Some attitudes towards edentulousness, complete dentures, and cooperation with the dentist. A study of denture patients attending a dental school. Berg E, et al. **Acta Odontol Scand** 1984 Dec;42(6):333-8

Depression: a psychologic consideration in complete denture prosthodontics. Chamberlain BB, et al. **J Prosthet Dent** 1985 May;53(5):673-5

RADIOGRAPHY

Panoramic radiographic examination of edentulous patients. Jones JD, et al. **J Prosthet Dent** 1985 Apr;53(4):535-9

REHABILITATION

[Christ-Siemens-Touraine syndrome. Completed management is unrelated to the number of years] Gardel P, et al. **Rev Stomatol Chir Maxillofac** 1985;86(2):114-6 (Eng. Abstr.) **(Fre)**

[Determination of the prosthetic space in the edentulous patient] Preti G. **Minerva Stomatol** 1985 Jan-Feb;34(1):13-6 **(Ita)**

MOUTH FLOOR

Validation of sublingual temperatures in patients with nasogastric tubes. Heinz J. **Heart Lung** 1985 Mar; 14(2):128-30

The sublingual dermoid cyst. Report of five cases and review of the literature. Howell CJ. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):578-80

[Results and indications of radiotherapy in the treatment of carcinoma of the mouth floor] Volterrani F, et al. **Radiol Med (Torino)** 1984 Jul-Aug;70(7-8):528-35 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

An arterio-venous fistula of the floor of mouth and tongue. Bailey BM, et al. **Br J Oral Maxillofac Surg** 1984 Dec; 22(6):431-8

PATHOLOGY

Bilateral ranula. Barker GR. **Int J Oral Surg** 1984 Aug; 13(4):352-4

Peripheral ameloblastoma. Ramnarayan K, et al. **Int J Oral Surg** 1985 Jun;14(3):300-1

Hemiatrophy of the tongue and floor of the mouth demonstrated by computed tomography. Larsson SG. **J Comput Assist Tomogr** 1985 Sep-Oct;9(5):914-8

Verruciform xanthoma of the oral mucosa. van der Waal I, et al. **J Oral Maxillofac Surg** 1985 Aug;43(8):623-6

Alveolar soft-part sarcoma of the oral cavity. Report of a case. Sawyer DR, et al. **J Oral Med** 1985 Jul-Sep; 40(3):139-41

Sublingual gland herniation through the mylohyoid muscle. Nathan H, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):21-3

Dermoid cyst of the floor of the mouth: lateral teratoid cyst with sinus tract in an infant. Ohishi M, et al. **Oral Surg Oral Med Oral Pathol** 1985 Aug;60(2):191-4

SURGERY

Radial forearm flap for floor of mouth reconstruction. Matthews RN, et al. **Br J Surg** 1985 Jul;72(7):561-4

Morphologic study of jejunal mucosal transplants for the replacement of oral mucosa. Reichart P, et al. **J Oral Pathol** 1984 Dec;13(6):595-603

[Secondary reconstruction of the buccal floor by total skin graft after noninterruptive pelvimandibulectomy] Mamelle G, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(5):317-9 (Eng. Abstr.) **(Fre)**

MOUTH MUCOSA

Oral pigmentation, Addison's disease and the results of screening for adrenocortical insufficiency. Lamey PJ, et al. **Br Dent J** 1985 Apr 20;158(8):297-8

Surface roughness of squamous cell carcinoma of the oral mucosa. Amagasa T, et al. **Bull Tokyo Med Dent Univ** 1985 Mar;32(1):1-7

Adsorption of Pu, Pb and Cd to mouth surfaces during oral administration to mice. Bhattacharyya MH, et al. **Health Phys** 1985 Feb;48(2):207-13

Mucosa-adhesive film containing local analgesic [letter] Yotsuyanagi T, et al. **Lancet** 1985 Sep 14;2(8455):613

Clinical behavior and results of current therapeutic modalities for squamous cell carcinoma of the buccal mucosa. Ildstad ST, et al. **Surg Gynecol Obstet** 1985 Mar;160(3):254-8

[Intravascular papillary hemangioendothelioma. 4 case reports with oral localization] Madi A, et al. **Rev Stomatol Chir Maxillofac** 1985;86(1):9-14 (Eng. Abstr.) **(Fre)**

ANALYSIS

The pattern of distribution of laminin in neurogenic tumors, granular cell tumors, and nevi of the oral mucosa. Reibel J, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1985 Mar;93(2):41-7

Immunological identification of plasminogen activators in normal and malignant tissues of the oral cavity in man. Ljungnér H, et al. **Int J Oral Surg** 1984 Aug;13(4):334-8

Localization of basement membrane components in mucous membrane pemphigoid. Meyer JR, et al. **J Invest Dermatol** 1985 Feb;84(2):105-7

Glycogen content in regenerated epithelium following cryosurgery on oral leukoplakia. Tal H. **J Oral Med** 1984 Oct-Dec;39(4):246-9

Alterations in fibronectin distribution in oral mucosal vesiculo-bullous lesions. Jonsson R, et al. **J Oral Pathol** 1985 Feb;14(2):141-9

Distribution of fibronectin and laminin in oral leukoplakia and carcinoma. Meyer JR, et al. **J Oral Pathol** 1985 Mar; 14(3):247-55

Relation of changes in dietary fatty acid to alterations in linoleic acid content of human cheek cell phospholipids. **Nutr Rev** 1984 Nov;42(11):376-7

ANATOMY & HISTOLOGY

The reaction of edentulous oral mucosa to prolonged denture retention. Goss AN, et al. **Aust Dent J** 1984 Jun; 29(3):168-71

The effects of an airbrasive instrument on dental hard tissues, skin and oral mucosa. Newman PS, et al. **Br Dent J** 1985 Jul 6;159(1):9-12

The effects of the carbon dioxide surgical laser on oral tissues. Fisher SE, et al. **Br J Oral Maxillofac Surg** 1984 Dec; 22(6):414-25

EDTA separation and recombination of epithelium and connective tissue of human oral mucosa. Studies of tissue transplants in nude mice. Holmstrup P, et al. **Exp Cell Biol** 1985;53(1):32-40

An autosomal dominant syndrome with 'acromegaloid' features and thickened oral mucosa. Hughes HE, et al.

J Med Genet 1985 Apr;22(2):119-25

Artifacts in oral biopsy specimens. Margarone JE, et al. **J Oral Maxillofac Surg** 1985 Mar;43(3):163-72

Effects of smokeless tobacco and snuff on oral mucosa of experimental animals. Shklar G, et al. **J Oral Maxillofac Surg** 1985 Feb;43(2):80-6

Effect of complete denture impression technique on the oral mucosa. el-Khodary NM, et al. **J Prosthet Dent** 1985 Apr; 53(4):543-9

Management of the mucolabial fold when developing impressions for complete dentures. McArthur DR. **J Prosthet Dent** 1985 Jan;53(1):62-7

Isobutyl cyanoacrylate: a clinical and histologic comparison with sutures in closing mucosal incisions in monkeys. Javelet J, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan; 59(1):91-4

[Spectrum of mucosal diseases of the oral cavity--from the normal mucosa to pathological manifestations] Maeglin B. **Schweiz Monatsschr Zahnmed** 1984 Oct;94 Spec No:880-93 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Vascular reactions during electrical stimulation. Vital microscopy of the hamster cheek pouch and the rabbit tibia. Nannmark U, et al. **Acta Orthop Scand** 1985 Feb;56(1):52-6

Measurement of blood flow in the oral mucosa and skin of the rhesus monkey using radiolabelled microspheres. Squier CA, et al. **Arch Oral Biol** 1985;30(4):313-8

CYTOLOGY

Structure of taste buds in foliate papillae of the rhesus monkey, Macaca mulatta. Farbman AI, et al. **Am J Anat** 1985 Jan;172(1):41-56

Alpha tocopherol alters the distribution of Langerhans cells in DMBA-treated hamster cheek pouch epithelium. Schwartz J, et al. **J Dent Res** 1985 Feb;64(2):117-21

The organ of Chievitz: its importance in the microscopic diagnosis of oral carcinoma. Geist ET, et al. **J Oral Med** 1984 Jul-Sep;39(3):177-9

Langerhans cell surface densities in rat oral mucosa and human buccal mucosa. Ahlfors EE, et al. **J Oral Pathol** 1985 May;14(5):390-7

A simplified method for culture of oral epithelial cells. Schuster GS, et al. **J Oral Pathol** 1985 Apr;14(4):332-41

The role of epithelial-mesenchymal interactions in epithelial migration and differentiation. Mackenzie IC. **J Periodont Res** 1984 Nov;19(6):656-60

Acute effect of DMBA application on mitotic activity of hamster buccal pouch epithelium. Hassan MM, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):491-8

Acute effect of DMBA application on Langerhans cells of the hamster buccal pouch mucosa. Hassan MM, et al. **Oral Surg Oral Med Oral Pathol** 1984 Aug;58(2):191-8

Possible role of apoptotic cells of the oral epithelium in the pathogenesis of aphthous ulceration. Honma T, et al. **Oral Surg Oral Med Oral Pathol** 1985 Apr;59(4):379-87

[Histopathology of the oral mucosa beneath dentures. Review of the literature] Busschop JL. **Rev Belge Med Dent** 1984 Oct-Nov;39(5):175-80 (Eng. Abstr.) **(Fre)**

[Changes in buccal exfoliative cytology during the menstrual cycle in the fertile woman. An experimental study] Rodrigues Bento JM. **Rev Port Estomatol Cir Maxilofac** 1985 Jan-Mar;26(1):55-74 (Eng. Abstr.) **(Por)**

DRUG EFFECTS

Surfactant-induced increases of permeability of rat oral mucosa to non-electrolytes in vivo. Siegel IA, et al. **Arch Oral Biol** 1985;30(1):43-7

Use of the micronucleus test to monitor the effect of vitamin A, beta-carotene and canthaxanthin on the buccal mucosa of betel nut/tobacco chewers. Stich HF, et al. **Int J Cancer** 1984 Dec 15;34(6):745-50

Minocycline induced pigmentation of the oral cavity. Salman RA, et al. **J Oral Med** 1985 Jul-Sep;40(3):154-7

Effects of chlorhexidine on the structure and permeability of hamster cheek pouch mucosa. Harvey BV, et al. **J Periodontol** 1984 Oct;55(10):608-14

Experimentally induced inflammation of the guinea pig palatal mucosa by injection of a microcrystalline suspension of monosodium urate. Daniel A, et al. **J Pharmacol Methods** 1984 Oct;12(3):155-66

Effects of nicotine-containing chewing gum on oral soft and hard tissues: A clinical study. Christen AG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):37-42

An unusual case of oral pigmentation. Fendrich P, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep;58(3):288-9

Effects of surfactants on the permeability of canine oral mucosa in vitro. Siegel IA, et al. **Toxicol Lett** 1985 Aug; 26(2-3):153-8

ENZYMOLOGY

Oral epithelial alkaline phosphatase in various phases of menstrual cycle. Tiwari BU, et al. **Indian J Physiol Pharmacol** 1984 Apr-Jun;28(2):149-52

Histoenzymological features of epithelial cells in lesions of oral mucosa in cysts and ameloblastomas of jaws. Chomette G, et al. **Int J Oral Surg** 1985 Feb;14(1):61-72

Identification and characterization of rabbit buccal mucosal hyaluronidase. Bertolami CN, et al. **J Dent Res** 1985 Jun; 64(6):913-8

IMMUNOLOGY

Immunocytochemical localization of serotonin-like immunoreactivities in the ciliated epithelium of the frog palatine mucosa. Maruyama I, et al. **Acta Anat (Basel)** 1984; 120(3):160-3

Oral epithelial cells as the origin of pemphigus antigen in human saliva. Acosta E, et al. **Arch Oral Biol** 1985; 30(1):23-9

Quantitative analysis of immunocompetent cells in human normal oral and uterine cervical mucosa, oral papillomas and leukoplakias. Becker J, et al. **Arch Oral Biol** 1985; 30(3):257-64

Oral lichen planus: an immunoperoxidase study using monoclonal antibodies to lymphocyte subsets. Matthews JB, et al. **Br J Dermatol** 1984 Nov;111(5):587-95

Changes in the expression of blood-group carbohydrates during oral mucosal development in human fetuses. Vedtofte P, et al. **Differentiation** 1984;27(3):221-8

Epithelial isoantigens A, B and H in oral carcinomas. Gupta YN, et al. **Ear Nose Throat J** 1985 May;64(5):239-42

Immunobiology of the oral mucosa in the mouse. Deslauriers N, et al. **Immunology** 1985 Jul;55(3):391-7

Serum antibody responses to indigenous oral mucosal antigens and selected laboratory-maintained bacteria in recurrent aphthous ulceration. Lindemann RA, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):585-9

Oral mucosal antigen reactivity during exacerbation and remission phases of recurrent aphthous ulceration. Lindemann RA, et al. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):281-4

The oral immune system under normal and pathological conditions. Brandtzaeg P. **Pathol Res Pract** 1985 May; 179(6):619-21

Light microscopic study of experimental cell-mediated immunity in rat oral mucosa. Ahlfors EE, et al. **Scand J Dent Res** 1984 Dec;92(6):549-56

Salivary interactions with homologous and heterologous strains of oral streptococci and epithelial cells. Ericson D. **Scand J Dent Res** 1985 Aug;93(4):320-8

Benign mucous membrane pemphigoid with linear IgA deposits in oral mucosa. Hietanen J, et al. **Scand J Dent Res** 1985 Feb;93(1):46-51

Immunoelectron microscopic findings in oral mucosa of patients with dermatitis herpetiformis and linear IgA disease. Rantala I, et al. **Scand J Dent Res** 1985 Jun; 93(3):243-8

INJURIES

A convert toothbrush injury--18 years later. High AS, et al. **Br Dent J** 1985 Feb 23;158(4):137-8

Traumatic herniation of buccal pad of fat. Peacock TR, et al. **Br Dent J** 1985 Feb 23;158(4):128-9

A fruit-mouthwash chemical burn. Report of a case. Touyz LZ, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep; 58(3):290-2

INNERVATION

Electron microscope study of the Grandry and Herbst corpuscles in the palatine mucosa, gingival mucosa and beak skin of the duck. Watanabe I, et al. **Arch Histol Jpn** 1985 Feb;48(1):89-108

METABOLISM

Transferrin reactivity in oral mucosa adjacent to different dental restorations. Syrjänen S, et al. **Acta Odontol Scand** 1984 Dec;42(6):321-5

Studies on the deposition of laminin and type IV collagen in human oral mucosa transplanted to nude mice. Holmstrup P. **Acta Pathol Microbiol Immunol Scand [A]** 1985 Jan;93(1):1-8

Dual-label high-performance liquid chromatographic assay for femtomole levels of benzo[a]pyrene metabolites. Murphy SE, et al. **Anal Biochem** 1985 May 1;146(2):442-7

Enzyme activities involved in collagen and proteoglycan degradations in oral mucosas of beige (Chediak-Higashi syndrome) mice. Shikata H, et al. **Arch Dermatol Res** 1985; 277(4):340-1

Factors affecting the oral absorption of esterified antibiotics. Williams PE. **Biochem Soc Trans** 1985 Apr;13(2):511-3

Absorption of glutathione from the gastro-intestinal tract. Hunjan MK, et al. **Biochim Biophys Acta** 1985 May 14; 815(2):184-8

Effect of enzyme digestion on the permeability barrier in keratinizing and non-keratinizing epithelia. Squier CA. **Br J Dermatol** 1984 Sep;111(3):253-64

Relative DNA content in lymphocytes and buccal mucosa of patients with sex chromosomal anomalies. Sen S, et al. **Cytobios** 1985;42(166):87-91

Reduced collagen biosynthesis in oral mucosa of beige (Chediak-Higashi) mice. Shikata H, et al. **Experientia** 1985 Mar 15;41(3):365-6

Recovery of acetylsalicylic acid and indalpine (LM 5008) after buccal partitioning. Blackett A, et al. **Int J Clin Pharmacol Res** 1983;3(1):5-7

Phospholipase A activity of extracellular products from Bacteroides melaninogenicus on epithelium tissue cultures. Bulkacz J, et al. **J Periodont Res** 1985 Mar;20(2):146-53

A study into the mucosal absorption of isosorbide dinitrate at different intraoral sites. Pimlott SJ, et al. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):145-8

Evaluation of a method to study the uptake of prednisolone sodium phosphate from different oral mucosal sites. Pimlott SJ, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jul; 60(1):35-7

Binding of four lectins to normal human oral mucosa. Hietanen J, et al. **Scand J Dent Res** 1984 Oct;92(5):443-7

Oxygen partial pressure under upper full dentures. Mombelli A, et al. **Schweiz Monatsschr Zahnmed** 1984 Dec; 94(12):1269-74

MICROBIOLOGY

Cytochemical and ultrastructural studies of Candida albicans. III. Evidence for modifications of the cell wall coat during adherence to human buccal epithelial cells. Tronchin G, et al. **Arch Microbiol** 1984 Oct;139(2-3):221-4

Adherence of Candida albicans to buccal and vaginal epithelial cells: ultrastructural observations. Calderone RA, et al. **Can J Microbiol** 1984 Aug;30(8):1001-7

Adhesion of Pseudomonas aeruginosa to human buccal epithelial cells: evidence for two classes of receptors. McEachran DW, et al. **Can J Microbiol** 1985 Jun; 31(6):563-9

Method for testing adherence of Haemophilus influenzae to human buccal epithelial cells. Porras O, et al. **Eur J Clin Microbiol** 1985 Jun;4(3):310-5

Inhibition by sugars of Candida albicans adherence to human buccal mucosal cells and corneocytes in vitro. Collins-Lech C, et al. **Infect Immun** 1984 Dec;46(3):831-4

Binding of fibronectin to human buccal epithelial cells inhibits the binding of type 1 fimbriated Escherichia coli. Simpson WA, et al. **Infect Immun** 1985 May;48(2):318-23

Role of fibronectin in attachment of Streptococcus pyogenes and Escherichia coli to human cell lines and isolated oral epithelial cells. Stanislawski L, et al. **Infect Immun** 1985 Apr;48(1):257-9

Oral yeast flora and antibodies to Candida albicans in homosexual men. Schønheyder H, et al. **Mykosen** 1984 Nov;27(11):539-44

[Diagnosis and therapy of syphilitic changes of the skin and mucous membrane in the head and neck] Bertram G, et al. **HNO** 1984 Sep;32(9):357-67 (Eng. Abstr.) **(Ger)**

[Testing of mucosa disinfection methods in the mouth and throat. 1. Effect of chlorhexidine gluconate and PVP-iodine on alpha-hemolytic streptococci] Exner M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Dec; 180(1):38-45 (Eng. Abstr.) **(Ger)**

[In vitro adherence of Candida albicans to oral mucosa cells of patients with insulin-dependent diabetes mellitus] Macura AB, et al. **Med Dosw Mikrobiol** 1985;37(2):94-7 (Eng. Abstr.) **(Pol)**

PARASITOLOGY

Schistosoma mansoni: an ultrastructural examination of skin migration in the hamster cheek pouch. Crabtree JE, et al. **Parasitology** 1985 Aug;91 (Pt 1):111-20

PATHOLOGY

Verrucous hyperplasia and verrucous carcinoma of the rat oral mucosa. Experimental oral carcinogenesis using 4-nitroquinoline 1-oxide. Fisker AV, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Nov; 92(6):437-45

Staining patterns of oral lesions of discoid lupus erythematosus by monoclonal anti-keratin antibodies. Reibel J, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1985 Jul; 93(4):159-64

Pyostomatitis vegetans. Neville BW, et al. **Am J Dermatopathol** 1985 Feb;7(1):69-77

Oral manifestations in Crohn's disease: report of a case. Estrin HM, et al. **Am J Gastroenterol** 1985 May;80(5):352-4

Immunohistochemical detection of filaggrin in preneoplastic and neoplastic lesions of the human oral mucosa. Itoiz ME, et al. **Am J Pathol** 1985 Jun;119(3):456-61

Oral patterns of acute and chronic graft-v-host disease. Barrett AP, et al. **Arch Dermatol** 1984 Nov;120(11):1461-5

Pyostomatitis vegetans. A reactive mucosal marker for inflammatory disease of the gut. VanHale HM, et al. **Arch Dermatol** 1985 Jan;121(1):94-8

Light and fluorescent microscopic studies of recurrent aphthous ulcers. VanHale HM, et al. **Cutis** 1984 Sep; 34(3):284-8, 290

Amalgam tattoos of the oral soft tissue. Hatch CL, et al. **Ear Nose Throat J** 1984 Sep;63(9):416-22

Reduced mitotic activity and atrophy in oral epithelium of the rat following elimination of masticatory movements. Meyer J, et al. **Growth** 1984 Winter;48(4):455-65

Effect of long-term application of snuff and herpes simplex virus 1 on rat oral mucosa. Possible association with development of oral cancer. Hirsch JM, et al. **IARC Sci Publ** 1984;(57):829-36

A pilot beta-carotene intervention trial with Inuits using smokeless tobacco. Stich HF, et al. **Int J Cancer** 1985 Sep 15;36(3):321-7

Smooth-surfaced, nonpainful swelling in the buccal mucosa. Correll RW, et al. **J Am Dent Assoc** 1984 Sep;109(3):465-6

Reliability of cytodiagnosis in oral pemphigus vulgaris. A study of 30 cases. Ruocco V, et al. **J Dermatol (Tokyo)** 1984 Dec;11(6):535-40

Decreased zinc concentration does not lead to atrophy of rat oral epithelium. Gerson SJ, et al. **J Nutr** 1985 Jun;

115(6):820–3

Monomorphic adenoma of the buccal mucosa. McCoy-Collins RC, et al. **J Oral Maxillofac Surg** 1985 Aug;43(8):644–8

Intraoral blue nevus. Review of the literature and a case report. Papanicolaou SJ, et al. **J Oral Med** 1985 Jan–Mar; 40(1):32–5

Benzydamine HCL in the management of chemotherapy-induced mucositis. I. Pilot study. Sonis ST, et al. **J Oral Med** 1985 Apr–Jun;40(2):67–71

An example of the use of quantitation in histological diagnosis by a comparison of normal human cheek mucosa and cheek mucosa affected by lichen planus. Heggie AA, et al. **J Oral Pathol** 1985 Jul;14(6):483–90

A critical evaluation of epithelial dysplasia in oral mucosal lesions using the Smith-Pindborg method of standardization. Katz HC, et al. **J Oral Pathol** 1985 Jul; 14(6):476–82

Malignant endothelial neoplasm arising in the area of lymphangioma: immunohistochemical and ultrastructural observation. Nagata M, et al. **J Oral Pathol** 1984 Dec; 13(6):560–72

Effects of smokeless tobacco on the periodontal, mucosal and caries status of adolescent males. Offenbacher S, et al. **J Oral Pathol** 1985 Feb;14(2):169–81

The permeability of hyperplastic oral epithelium. Squier CA, et al. **J Oral Pathol** 1985 May;14(5):357–62

Ultrastructure of mast cells in the hyperplastic buccal mucosa of the zinc-deficient rat. Stoncius LV, et al. **J Oral Pathol** 1985 May;14(5):375–82

Epithelial dysplasia immediately adjacent to oral squamous cell carcinomas. Wright A, et al. **J Oral Pathol** 1985 Aug; 14(7):559–64

Focal epithelial hyperplasia (Heck's disease). A case report. Hallmon WW, et al. **J Periodontol** 1985 Feb;56(2):89–92

Observations on the histologic features of the human edentulous ridge. Part I: Mucosal epithelium. Krajicek DD, et al. **J Prosthet Dent** 1984 Oct;52(4):526–31

Focal acantholytic dyskeratosis and epidermolytic hyperkeratosis of the oral mucosa adjacent to squamous cell carcinoma. Brodsky G. **Oral Surg Oral Med Oral Pathol** 1985 Apr;59(4):388–93

Lichenoid dysplasia: a distinct histopathologic entity. Krutchkoff DJ, et al. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):308–15

Molluscum contagiosum of the oral mucosa. Laskaris G, et al. **Oral Surg Oral Med Oral Pathol** 1984 Dec;58(6):688–91

Starch artifacts in oral cytologic specimens. Lovas GL, et al. **Oral Surg Oral Med Oral Pathol** 1985 Aug;60(2):195–6

Eosinophilic ulcer of the oral mucosa. Sklavounou A, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):431–6

Multiple mucous retention cysts of the oral mucosa. Tal H, et al. **Oral Surg Oral Med Oral Pathol** 1984 Dec;58(6):692–5

Blindness, anonychia, and oral mucosal scarring as sequelae of the Stevens-Johnson syndrome. Hansen RC. **Pediatr Dermatol** 1984 Apr;1(4):298–300

Clinical presentation of buccal carcinoma. A review of twenty nine patients. Janakarajah N, et al. **Singapore Med J** 1984 Aug;25(4):236–9

[Focal epithelial hyperplasia, Heck's disease] Bendelac A, et al. **Ann Dermatol Venereol** 1984;111(8):671–2 **(Fre)**

[Recent data on malignant melanoma of the upper respiratory and digestive tract mucosa. Apropos of a case] Kanellopoulos G, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):553–9 (Eng. Abstr.) **(Fre)**

[Cutaneous-mucous hyalinosis (Urbach-Wiethe disease). Histologic and ultrastructural study of a case] Brocheriou C, et al. **Ann Pathol** 1984 Sep–Nov;4(4):297–303 (Eng. Abstr.) **(Fre)**

[Buccal mucosal manifestations of Bourneville's tuberous sclerosis. Apropos of 3 cases] Fleury JE, et al. **Rev Stomatol Chir Maxillofac** 1984;85(5):375–82 (Eng. Abstr.) **(Fre)**

[Focal epithelial hyperplasia (Heck disease). Contribution on its viral origin] Lang E, et al. **Dtsch Med Wochenschr** 1984 Nov 16;109(46):1763–6 (Eng. Abstr.) **(Ger)**

[Uranitis circinata in Reiter's disease. Therapy with etretinate (Tigason)] Marghescu S, et al. **Hautarzt** 1985 May; 36(5):291–3 (Eng. Abstr.) **(Ger)**

[Clinical picture of mucosal cancer] Spiessl B. **Schweiz Monatsschr Zahnmed** 1984 Oct;94 Spec No:914–21 (Eng. Abstr.) **(Ger)**

[Early invasive squamous cell carcinoma of the tongue--report of a case] Inoue A, et al. **Gan No Rinsho** 1985 Jan;31(1):83–6 (Eng. Abstr.) **(Jpn)**

[Gingival and mucosal changes in pulpitis] Suda H, et al. **Kokubyo Gakkai Zasshi** 1984 Jun;51(2):456 **(Jpn)**

[Morphological studies of the oral cavity of rats after the administration of selenium] Fijał D. **Folia Med Cracov** 1984; 25(1–2):57–71 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

The permeability of skin and oral mucosa to water and horseradish peroxidase as related to the thickness of the permeability barrier. Squier CA, et al. **J Invest Dermatol** 1985 Mar;84(3):176–9

Gender differences in the perception of pungency. Cometto-Muñiz JE, et al. **Physiol Behav** 1985 Mar; 34(3):385–9

Acquisition of dietary self-selection in rats with normal and impaired oral sensation. Miller MG, et al. **Physiol Behav** 1985 Mar;34(3):401–8

PHYSIOPATHOLOGY

[Vasoactive hormones and mediators in the mechanism of the development of an aphthous process in the oral mucosa] Rybakov AI, et al. **Biull Eksp Biol Med** 1985 Apr; 99(4):424–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

The effect of actinomycin D on radiation induced reactions of the lip mucosa of mice. Landuyt W, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug;11(8):1503–12

Unexpected toxicity from radiation therapy in two patients with Kaposi's sarcoma receiving interferon. Real FX, et al. **J Biol Response Mod** 1985 Apr;4(2):141–6

Repopulation kinetics in irradiated mouse lip mucosa: the relative importance of treatment protraction and time distribution of irradiations. Ang KK, et al. **Radiat Res** 1985 Jan;101(1):162–9

A murine model of lip epidermal/mucosal reactions to X-irradiation. Parkins CS, et al. **Radiother Oncol** 1983 Nov; 1(2):159–65

Acute reactions of the lip mucosa of mice to fractionated irradiations. Xu FX, et al. **Radiother Oncol** 1984 Mar; 1(4):369–74

SURGERY

Healing following full thickness excision of human palatal mucosa. Pedlar J. **Br J Plast Surg** 1985 Jul;38(3):347–51

Use of the carbon dioxide laser in the management of premalignant lesions of the oral mucosa. Frame JW, et al. **J Laryngol Otol** 1984 Dec;98(12):1251–60

Fascia lata and dura mater used as soft tissue homografts in the oral cavity. Zachariades N. **J Oral Med** 1984 Oct–Dec;39(4):254–6

Morphologic study of jejunal mucosal transplants for the replacement of oral mucosa. Reichart P, et al. **J Oral Pathol** 1984 Dec;13(6):595–603

A comparison of healing and pain following excision of inflammatory papillary hyperplasia with electrosurgery and blade-loop knives in human patients. Rathofer SA, et al. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):130–5

[Reconstruction of oral defects using free revascularized jejunum transfer] Sakamoto H, et al. **Gan No Rinsho** 1985 Jul;31(8):908–13 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

Experimental reconstruction of the airway with buccal mucosa and cortical bone in a single-stage procedure. Löfgren L, et al. **Acta Otolaryngol (Stockh)** 1984 Nov–Dec; 98(5–6):560–72

Reconstruction of the airway with a composite alloplastic and autogenous graft. An experimental study. Löfgren LA, et al. **Acta Otolaryngol (Stockh)** 1985 Jul–Aug; 100(1–2):140–50

Mandibular vestibuloplasty using a free mucosal graft. A 2–7 year evaluation. Huybers TJ, et al. **Int J Oral Surg** 1985 Feb;14(1):11–5

Hydroxylapatite augmentation of the mandible with simultaneous mucosal graft vestibuloplasty. Shafer SC, et al. **J Oral Maxillofac Surg** 1984 Nov;42(11):749–50

Unusual wound healing following removal of donor tissue for soft tissue graft. Adcock JE, et al. **J Periodontol** 1984 Oct;55(10):589–91

ULTRASTRUCTURE

X-chromatin in congenital virilizing adrenal hyperplasia. Mendonça BB, et al. **Acta Endocrinol (Copenh)** 1984 Oct; 107(2):256–60

The junction zone of human epithelium and foreign stroma. Ultrastructural observations in human oral mucosal transplants in nude mice. Holmstrup P, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1984 Jul; 92(4):211–8

Mechanisms of tissue destruction following cryosurgery. Whittaker DK. **Ann R Coll Surg Engl** 1984 Sep;66(5):313–8

A morphometric study of alterations in rough endoplasmic reticulum during differentiation in stratified squamous epithelium. Gohari K, et al. **Arch Dermatol Res** 1984; 276(5):303–12

Ultrastructural relationship of denture surfaces, plaque and oral mucosa in denture stomatitis. Walter B, et al. **J Biol Buccale** 1985 Jun;13(2):145–66

Quantitative exfoliative cytology of normal and abnormal oral mucosal squames: preliminary communication. Cowpe JG. **J R Soc Med** 1984 Nov;77(11):928–31

The ultrastructure of initial changes in hapten-exposed rat oral mucosa. Ahlfors EE, et al. **Scand J Immunol** 1985 May; 21(5):447–54

[Ultrastructural observations on the basement membrane in oral lichen planus] Zhang XL, et al. **Chung Hua I Hsueh Tsa Chih** 1984 Dec;64(12):738–40, 792 (Eng. Abstr.) **(Chi)**

[A new case of Urbach-Wiethe disease. Electron-microscopy study] Payan MJ, et al. **Ann Pathol** 1984 Sep–Nov; 4(4):313–5 (Eng. Abstr.) **(Fre)**

[Oral epithelium during tooth eruption in the rat: a scanning electron microscopic study] Mallet M, et al. **J Biol Buccale** 1984 Dec;12(4):331–7 (Eng. Abstr.) **(Fre)**

[Light and electron microscopic study of the buccogingival mucosa from human fetuses] Csiba A, et al. **Morphol Igazsagugyi Orv Sz** 1984 Oct;24(4):279–87 (Eng. Abstr.) **(Hun)**

[Electron microscopic and histochemical research on lysosomes and acid phosphatase of epithelial cells of the normal oral mucosa and in lichen ruber planus] Raĭkhlin AN. **Vestn Dermatol Venerol** 1985 Jan;(1):13–7 (Eng. Abstr.) **(Rus)**

[Electron-microscopic studies during treatment of chronic generalized (granulomatous) candidiasis with ketoconazole] Sheklakov ND, et al. **Vestn Dermatol Venerol** 1984 Aug; (8):25–31 (Eng. Abstr.) **(Rus)**

MOUTH NEOPLASMS

Non-Hodgkins' lymphoma of the oral cavity. Case report. Cheng FG, et al. **Aust Dent J** 1984 Oct;29(5):332–4

The incidence of occult metastases for cancer of the oral tongue and floor of the mouth: treatment rationale. Teichgraeber JF, et al. **Head Neck Surg** 1984 Oct; 7(1):15–21

Some observations on oral cancer. Khanna AK, et al. **Indian J Med Sci** 1985 Feb;39(2):23–6

Hemangioma of the tongue and adjacent structures (a case report). Schneider PE. **J Oral Med** 1985 Jul–Sep; 40(3):115–9

International Association of Oral Pathologists. Second scientific meeting, Noordwijkerhout, The Netherlands, June 4th to 7th, 1984. Abstracts of free communications. **J Oral Pathol** 1985 Jan;14(1):63–93

Kaposi's sarcoma of the oral cavity. A case report. Winters Z, et al. **S Afr Med J** 1985 Aug 31;68(5):330–1

[Plasmoacanthoma. A contribution to the diagnosis, etiopathogenesis and nosology] Göring HD, et al. **Z Hautkr** 1985 Jun 1;60(11):884–96 (Eng. Abstr.) **(Ger)**

ANALYSIS

DNA content in reactive hyperplasia, precancerosis, and carcinomas of the oral cavity. A cytophotometric study. Doseva D, et al. **Acta Histochem (Jena)** 1984;75(2):113–9

The pattern of distribution of laminin in neurogenic tumors, granular cell tumors, and nevi of the oral mucosa. Reibel J, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1985 Mar;93(2):41–7

Immunohistochemical detection of filaggrin in preneoplastic and neoplastic lesions of the human oral mucosa. Itoiz ME, et al. **Am J Pathol** 1985 Jun;119(3):456–61

Immunological identification of plasminogen activators in normal and malignant tissues of the oral cavity in man. Ljungnér H, et al. **Int J Oral Surg** 1984 Aug;13(4):334–8

Distribution of fibronectin and laminin in oral leukoplakia and carcinoma. Meyer JR, et al. **J Oral Pathol** 1985 Mar; 14(3):247–55

BLOOD

Relation of blood group carbohydrates to differentiation patterns of normal and pathological odontogenic epithelium. Vedtofte P, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1985 Jan; 93(1):25–34

[A and B isoantigens in oral cancer and non-cancerous lesions] Chen RJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Dec;83(12):1301–8 (Eng. Abstr.) **(Chi)**

CHEMICALLY INDUCED

Verrucous hyperplasia and verrucous carcinoma of the rat oral mucosa. Experimental oral carcinogenesis using 4-nitroquinoline 1-oxide. Fisker AV, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1984 Nov; 92(6):437–45

Smokeless tobacco: a risk factor in oral cancer. Massey JD Jr, et al. **Ear Nose Throat J** 1984 Sep;63(9):453–8

Comparison of carcinogenicity of betel quid with and without tobacco: an epidemiological review. Gupta PC, et al. **Ecol Dis** 1982;1(4):213–9 (38 ref.)

A study of the relationship between mouthwash use and oral and pharyngeal cancer. Mashberg A, et al. **J Am Dent Assoc** 1985 May;110(5):731–4

Indomethacin and 7,12-dimethylbenz(a)anthracene-induced carcinogenesis in the hamster buccal pouch. Gould AR, et al. **J Oral Pathol** 1985 May;14(5):398–404

Chronic treatment with hydrogen peroxide. Is it safe? Weitzman SA, et al. **J Periodontol** 1984 Sep;55(9):510–1

Rapid induction of carcinomas and gamma-glutamyl transpeptidase-rich clones in N-methyl-N-benzylnitrosamine-treated hamster buccal pouch. Solt DB, et al. **JNCI** 1985 Feb;74(2):437–45

Initiation and promotion in experimental oral carcinogenesis. Odukoya O, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep;58(3):315–20

CLASSIFICATION

Benign soft tissue tumors of the oral cavity [letter] Gould AR. **Int J Dermatol** 1985 May;24(4):264

The importance of consistency in the classification of malignant tumours, illustrated by oral cancer material. Voss R. **J Maxillofac Surg** 1985 Aug;13(4):154–7

A methodologic study of histologic classification and grading of malignancy in oral squamous cell carcinoma. Anneroth G, et al. **Scand J Dent Res** 1984 Oct;92(5):448–68

[Premalignant changes in the mouth mucosa. Proposals for nomenclature by an international expert commission] Burkhardt A. **Pathologe** 1985 May;6(3):126-32 **(Ger)**

COMPLICATIONS

Intraoral lipoma. A rare cause of dysphagia. Larsen K, et al. **J Laryngol Otol** 1984 Oct;98(10):1041-2

[Chemodectoma. Apropos of a case located on the course of the inferior dental nerve] Burg J, et al. **Rev Stomatol Chir Maxillofac** 1985;86(1):46-8 (Eng. Abstr.) **(Fre)**

[Enteral feeding in cancer of the upper digestive and respiratory tract] Ose T, et al. **Tidsskr Nor Laegeforen** 1984 Oct 30;104(30):2100-3 **(Nor)**

[Clinical picture and differentiated therapy of mental disorders in oncostomatologic diseases] Dunaevskiĭ VV. **Zh Nevropatol Psikhiatr** 1985;85(3):439-43 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Unifocal lymphomas of the oral cavity. Barker GR. **Br J Oral Maxillofac Surg** 1984 Dec;22(6):426-30

Serum cholinesterase and lactate dehydrogenase levels in cases of squamous cell carcinoma of oral cavity. Khan N, et al. **Indian J Pathol Microbiol** 1984 Jul;27(3):185-8

Toluidine blue staining in the detection of oral precancerous and malignant lesions [letter] Mashberg A. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):401

An underestimation on the part of dental and medical practitioners regarding the importance of the red lesion [letter] Sciubba JJ. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):174

The importance of tumour markers in oral pathology. I. Cell products as differential diagnosis markers. Micheau C. **Pathol Res Pract** 1985 May;179(6):622-4

The importance of tumor markers in oral pathology. II. Cell membrane and cytoplasmic antigens as tumour markers. Seifert G. **Pathol Res Pract** 1985 May;179(6):625-8

[Preliminary study of the diagnosis of early-stage oral cancer by the hematoporphyrin derivative-fluorescence technic] Wang X. **Chung Hua I Hsueh Tsa Chih** 1984 Oct; 64(10):594-7 (Eng. Abstr.) **(Chi)**

[Value of toluidine blue in the diagnosis of tumors of the oral cavity] Menasse J, et al. **Acta Stomatol Belg** 1984 Sep; 81(2):145-51 (Eng. Abstr.) **(Fre)**

[Hemangiopericytoma of the orofacial region] Bertrand JC, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):607-13 (Eng. Abstr.) **(Fre)**

[Malignant melanoma of the oral mucosa--review and case report] Paulus GW, et al. **Schweiz Monatsschr Zahnmed** 1984 Sep;94(9):791-800 (41 ref.) (Eng. Abstr.) **(Ger)**

[Diagnostic possibilities in suspected tumor] Schmid-Meier E. **Schweiz Monatsschr Zahnmed** 1984 Oct;94 Spec No:922-7 (Eng. Abstr.) **(Ger)**

[Clinical picture of mucosal cancer] Spiessl B. **Schweiz Monatsschr Zahnmed** 1984 Oct;94 Spec No:914-21 (Eng. Abstr.) **(Ger)**

[Ackermann carcinoma, a special type of oral cavity cancer] Steinhäuser EW. **Schweiz Monatsschr Zahnmed** 1984 Sep; 94(9):786-90 (Eng. Abstr.) **(Ger)**

[Ulcerative dermatitis (pyoderma gangrenosum) with selective IgA deficiency and development of an oral carcinoma] Kuhn A. **Z Hautkr** 1985 Jan;60(1-2):79-82 (Eng. Abstr.) **(Ger)**

[Toluidine blue (tolonium chloride) in the early diagnosis of dysplasias and carcinomas of the oral mucosa] Vercellino V, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):257-61 (9 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Microcapsule chemoembolization for head and neck cancer. Okamoto Y, et al. **Arch Otorhinolaryngol** 1985; 242(1):105-11

Preoperative intra-arterial infusion chemotherapy for advanced squamous cell carcinoma of the mouth and oropharynx. Milazzo J, et al. **Cancer** 1985 Sep 1; 56(5):1014-7

Phase II trial of diaziquone in advanced upper aerodigestive cancer. Creagan ET, et al. **Cancer Treat Rep** 1985 Jan; 69(1):141

Angiolymphoid hyperplasia demonstrating extensive skin and mucosal lesions controlled with vinblastine therapy. Massa MC, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 2):333-9

Intraarterial infusion of 4'-O-tetrahydropyranyl-adriamycin for head and neck tumors. Honda T, et al. **Jpn J Antibiot** 1984 Jun;37(6):959-65

Combined-modality treatment with induction chemotherapy in locally advanced squamous cell carcinoma of the oral cavity and oropharynx. Abele R, et al. **Recent Results Cancer Res** 1985;98:142-7

[Application of a hematoporphyrin derivative (HpD) and the laser technic in diagnosis and treatment of oral tumors] Zhao FY. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jan; 20(1):8-11, 62 (Eng. Abstr.) **(Chi)**

[Induction chemotherapy in cancer of the upper respiratory and digestive tract. Preliminary results of the protocol combining cisplatin, 5-fluorouracil and bleomycin (CFB)] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(1):1-6 (Eng. Abstr.) **(Fre)**

[Induction chemotherapy of cancers of the upper respiratory and digestive tract. Analysis of tumor response in 176 patients] Lacau St. Guily J, et al. **Presse Med** 1985 Jun 15;14(24):1313-6 (Eng. Abstr.) **(Fre)**

[Vindesine in oral cancers] Szpirglas H, et al. **Presse Med** 1985 Feb 16;14(7):405-7 (Eng. Abstr.) **(Fre)**

[Intra-arterial cisplatin chemotherapy of epidermoid carcinomas of the oral cavity. Preliminary results] Solas J, et al. **Rev Stomatol Chir Maxillofac** 1984;85(5):441-3 (Eng. Abstr.) **(Fre)**

[Long-term prognosis of oral squamous cell carcinoma histologically judged to have been eliminated by the treatment with bleomycin alone] Amagasa T, et al. **Gan No Rinsho** 1985 Mar;31(3):231-5 (Eng. Abstr.) **(Jpn)**

[MTX-BLM therapy for squamous cell carcinoma of the oral cavity] Yamamoto E, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2496-501 (Eng. Abstr.) **(Jpn)**

[A clinical and histopathological study of anticancer effect of treatment with bleomycin alone--with particular reference to histological disappearance of primary lesion] Amagasa T, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Feb 20;20(1):106-13 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Histoenzymological features of epithelial cells in epidermoid carcinomas of oral mucosa and in ameloblastomas of jaws. Chomette G, et al. **Pathol Biol (Paris)** 1984 Dec; 32(10):995-1003

ETIOLOGY

'Tobacco teabags' [letter] High AS. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):158

Heterotopic gastric cyst of the oral cavity. Daley TD, et al. **Head Neck Surg** 1984 Dec;7(2):168-71

Epidemiological and experimental studies on tobacco-related oral cancer in India. Bhide SV, et al. **IARC Sci Publ** 1984; (57):851-7

Effect of long-term application of snuff and herpes simplex virus 1 on rat oral mucosa. Possible association with development of oral cancer. Hirsch JM, et al. **IARC Sci Publ** 1984;(57):829-36

Tobacco chewing and snuff dipping: an association with human cancer. Winn DM. **IARC Sci Publ** 1984;(57):837-49 (74 ref.)

Alcohol, smoking, social and occupational factors in the aetiology of cancer of the oral cavity, pharynx and larynx. Elwood JM, et al. **Int J Cancer** 1984 Nov 15;34(5):603-12

Squamous cell carcinoma of the oral cavity, pharynx, and larynx in young adults. Lipkin A, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):790-3

Oral and oropharyngeal cancer, aryl hydrocarbon hydroxylase inducibility and smoking. A follow-up study. Andréasson L, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(3):131-8

Possible aetiology of oral cancer in Papua New Guinea. MacLennan R, et al. **Papua New Guinea Med J** 1985 Mar; 28(1):3-8

IMMUNOLOGY

Cell-mediated immune status in patients with squamous cell carcinoma of the oral cavity. Saranath D, et al. **Cancer** 1985 Sep 1;56(5):1062-70

High affinity rosette forming cells in carcinoma of the oral cavity, uterine cervix and breast. Vijayakumar T, et al. **Cancer Lett** 1985 Jul;27(3):339-45

Epithelial isoantigens A, B and H in oral carcinomas. Gupta YN, et al. **Ear Nose Throat J** 1985 May;64(5):239-42

Incidence of hepatitis B surface antigen (HBsAg) in oral cancer and carcinoma of uterine cervix. Vijayakumar T, et al. **Indian J Cancer** 1984 Mar-Apr;21(1):7-10

Pemphigus vulgaris and malignancy. Armin A, et al. **Int J Oral Surg** 1985 Aug;14(4):376-80

Circulating immune complexes in sera of patients with oral cancer. Chatterjee R, et al. **J Clin Lab Immunol** 1984 Nov; 15(3):145-7

Measured levels of antibody to the herpes simplex virus in patients with oral cancer and controls [letter] Shillitoe EJ. **J Dent Res** 1985 Jun;64(6):944

Humoral immune responses to adenoviruses, herpes virus type 1, and Candida albicans in sera of dental patients with oral neoplastic and periodontal diseases. Winters WD, et al. **J Dent Res** 1984 Nov;63(11):1306-9

Detection of human papovavirus antigen in oral papillary lesions. Jin YT, et al. **Oral Surg Oral Med Oral Pathol** 1984 Dec;58(6):702-5

Detection of human papovavirus antigen in oral papillary lesions [letter] Mincer HH, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):516

[Changes of peripheral lymphocyte subsets in patients with oral squamous carcinoma] Moroyama T, et al. **Gan No Rinsho** 1985 Feb;31(2):117-21 (Eng. Abstr.) **(Jpn)**

METABOLISM

Gamma-glutamyl transpeptidase in precancerous lesions and carcinomas of oral, pharyngeal, and laryngeal mucosa. Calderon-Solt L, et al. **Cancer** 1985 Jul 1;56(1):138-43

Immunohistochemical and lectin histochemical studies on the lymphoepithelial cyst of the oral cavity and neck. Iwase T, et al. **J Nihon Univ Sch Dent** 1985 Mar;27(1):28-34

MICROBIOLOGY

Oral carcinoma: evidence for viral oncogenesis. Scully C, et al. **Br J Oral Maxillofac Surg** 1984 Oct;22(5):367-71

Analysis of oral papillomas, leukoplakias, and invasive carcinomas for human papillomavirus type related DNA. Löning T, et al. **J Invest Dermatol** 1985 May;84(5):417-20

Verrucous carcinoma: a possible viral pathogenesis. Eisenberg E, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):52-7

Papillomaviruses: their possible role in oral disease. Scully C, et al. **Oral Surg Oral Med Oral Pathol** 1985 Aug; 60(2):166-74 (110 ref.)

MORTALITY

[Prognosis of long-term survivors of oral cancer treated with radiation] Horiuchi J, et al. **Gan No Rinsho** 1984 Dec; 30(15):1855-60 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Intraoral carcinoma in Nigeria: a review of 137 cases. Adekeye EO, et al. **Ann R Coll Surg Engl** 1985 May; 67(3):180-2

Squamous cell carcinoma of the upper aerodigestive tract in nonusers of tobacco. Hodge KM, et al. **Cancer** 1985 Mar 15;55(6):1232-5

Oral cavity and oropharyngeal cancer in a younger population. Review of literature and experience at Yale. Son YH, et al. **Cancer** 1985 Jan 15;55(2):441-4

Survey of a population with a high incidence of oral and oesophageal cancer. Zaridze DG, et al. **Int J Cancer** 1985 Aug 15;36(2):153-8

Oral health status in the United States: oral cancer and soft tissue lesions. Fischman SL. **J Dent Educ** 1985 Jun; 49(6):379-85

Squamous cell carcinoma of the oral mucosa: a review of 244 cases in Australia. Rich AM, et al. **J Oral Pathol** 1984 Oct;13(5):459-71

Regional variation of oral cancer in Papua New Guinea. Jamrozik K. **Papua New Guinea Med J** 1985 Mar;28(1):9-13

Oral malignancy: a regional incidence observed over a 13-year period. Skinner RL, et al. **South Med J** 1985 Jun; 78(6):652-6

[Comparative epidemiology, in Europe, of cancers related to tobacco (lung, larynx, pharynx, oral cavity)] Moulin JJ, et al. **Bull Cancer (Paris)** 1985;72(2):155-8 (Eng. Abstr.) **(Fre)**

[Incidence of esophageal cancer synchronous with upper aerodigestive tract cancers (100 cases): value of vital staining with lugol and toluidine blue] Papazian A, et al. **Gastroenterol Clin Biol** 1985 Jan;9(1):16-22 (Eng. Abstr.) **(Fre)**

PATHOLOGY

A histologic study of epithelial dysplasia in oral lichen planus. Odukoya O, et al. **Arch Dermatol** 1985 Sep;121(9):1132-6

Oral lichen planus and squamous carcinoma. Case report and update of the literature. Kaplan B, et al. **Arch Otolaryngol** 1985 Aug;111(8):543-7 (53 ref.)

Multifocal cystic hygroma: report of case. Kischinovsky D, et al. **ASDC J Dent Child** 1984 Nov-Dec;51(6):444-7

Surface roughness of squamous cell carcinoma of the oral mucosa. Amagasa T, et al. **Bull Tokyo Med Dent Univ** 1985 Mar;32(1):1-7

Primary malignant melanoma of the oral cavity. A review of 177 cases. Rapini RP, et al. **Cancer** 1985 Apr 1; 55(7):1543-51

Eosinophilia in squamous cell carcinoma of the oral cavity, external genitalia and anus--clinical correlations. Lowe D, et al. **Histopathology** 1984 Jul;8(4):627-32

Histologic and histochemical changes in experimental carcinomas following cryosurgery. Ninomiya T, et al. **Int J Oral Surg** 1985 Aug;14(4):362-70

Peripheral ameloblastoma. Ramnarayan K, et al. **Int J Oral Surg** 1985 Jun;14(3):300-1

Kaposi's sarcoma in a 2-year-old child. Sengupta SK, et al. **Int J Oral Surg** 1984 Dec;13(6):532-4

Multiple primary squamous cell carcinomas in the upper digestive tract. Fitzpatrick PJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2273-9

Extranodal non-Hodgkin's lymphoma of the oral tissues. An analysis of 20 cases. Slootweg PJ, et al. **J Maxillofac Surg** 1985 Apr;13(2):85-92

Vascular leiomyoma of the oral cavity. Epivatianos A, et al. **J Oral Maxillofac Surg** 1985 May;43(5):377-82

Cowden's disease (multiple hamartoma syndrome). Gilbert HD, et al. **J Oral Maxillofac Surg** 1985 Jun;43(6):457-60

Monomorphic adenoma of the buccal mucosa. McCoy-Collins RC, et al. **J Oral Maxillofac Surg** 1985 Aug;43(8):644-8

Solitary multilobular schwannoma of the oral cavity. Barbosa J, et al. **J Oral Med** 1984 Oct-Dec;39(4):232-5

The organ of Chievitz: its importance in the microscopic diagnosis of oral carcinoma. Geist ET, et al. **J Oral Med** 1984 Jul-Sep;39(3):177-9

Intraoral blue nevus. Review of the literature and a case report. Papanicolaou SJ, et al. **J Oral Med** 1985 Jan-Mar; 40(1):32-5

Alveolar soft-part sarcoma of the oral cavity. Report of a case. Sawyer DR, et al. **J Oral Med** 1985 Jul-Sep; 40(3):139-41

Oral warty dyskeratoma. Chau MN, et al. **J Oral Pathol** 1984 Oct;13(5):546-56

Malignant endothelial neoplasm arising in the area of lymphangioma: immunohistochemical and ultrastructural observation. Nagata M, et al. **J Oral Pathol** 1984 Dec; 13(6):560-72

Epithelial dysplasia immediately adjacent to oral squamous cell carcinomas. Wright A, et al. **J Oral Pathol** 1985 Aug; 14(7):559-64

Intraoral melanoacanthoma. Frey VM, et al. **J Surg Oncol** 1984 Oct;27(2):93-6

Histopathologic spectrum of oral Kaposi's sarcoma. Green TL, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep; 58(3):306-14

Asymptomatic early invasive carcinoma [letter] Mashberg A. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):174-5

Distribution of keratin proteins in neoplastic and tumorlike lesions of squamous epithelium. An immunohistochemical study. Mori M, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):63-9

Dermoid cyst of the floor of the mouth: lateral teratoid cyst with sinus tract in an infant. Ohishi M, et al. **Oral Surg Oral Med Oral Pathol** 1985 Aug;60(2):191-4

Oral manifestations in Cowden's syndrome. Report of four cases. Swart JG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Mar;59(3):264-8

Clinical presentation of buccal carcinoma. A review of twenty nine patients. Janakarajah N, et al. **Singapore Med J** 1984 Aug;25(4):236-9

[Clinicopathological study of verrucous carcinoma of oral mucosa] Wang Y. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Mar;20(2):65-8, 125 (Eng. Abstr.) **(Chi)**

[Recent data on malignant melanoma of the upper respiratory and digestive tract mucosa. Apropos of a case] Kanellopoulos G, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):553-9 (Eng. Abstr.) **(Fre)**

[Buccopharyngeal localizations of carcinoma cuniculatum. Apropos of 5 cases] Kuffer R, et al. **Arch Anat Cytol Pathol** 1984;32(3):184 **(Fre)**

[Intravascular papillary hemangioendothelioma. 4 case reports with oral localization] Madi A, et al. **Rev Stomatol Chir Maxillofac** 1985;86(1):9-14 (Eng. Abstr.) **(Fre)**

[Epidermal nevus syndrome. A case with oral involvement] Wallach D, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(4):311-3 (Eng. Abstr.) **(Fre)**

[Clinical picture, therapy and prognosis of orolabial cancer with special reference to regional lymphatic drainage] Schönberger A, et al. **Arch Geschwulstforsch** 1984; 54(4):309-16 (Eng. Abstr.) **(Ger)**

[Relations between the primary tumor and the regional lymph drainage area in carcinomas of the orolabial region] Schönberger A, et al. **Zahn Mund Kieferheilkd** 1984; 72(6):566-72 (Eng. Abstr.) **(Ger)**

[A case of oral florid papillomatosis combined with gastroduodenal polyposis] Sato H, et al. **Gan No Rinsho** 1985 May;31(5):563-8 (Eng. Abstr.) **(Jpn)**

[Florid oral papillomatosis or verrucous carcinoma] Grinspan D. **An R Acad Nac Med (Madr)** 1984;101(2):239-58 **(Spa)**

[Florid oral papillomatosis] Grinspan D, et al. **Med Cutan Ibero Lat Am** 1985;13(1):43-64 **(Spa)**

PHYSIOPATHOLOGY

The sublingual dermoid cyst. Report of five cases and review of the literature. Howell CJ. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):578-80

PREVENTION & CONTROL

Control of oral cancer in developing countries. A WHO meeting. **Bull WHO** 1984;62(6):817-30

Oral cancer in the Third World: time for preventive intervention? McMichael AJ. **Int J Epidemiol** 1984 Dec; 13(4):403-5

Prevention of neoplasms of the oral-maxillo-facial region: operative proposals. Tartaro S, et al. **Int J Oral Surg** 1985 Apr;14(2):216-8

Preventing oral cancer. **J Am Dent Assoc** 1985;Spec No:19-20

Selenium inhibition of chemical carcinogenesis in the upper aerodigestive tract of hamsters. Goodwin WJ, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):373-9

[Control of cancer of the mouth in developing countries] **Bull WHO** 1985;63(1):27-42 **(Fre)**

[Mass screening and early diagnosis of cancer of the upper aero-digestive tract] Steiner W. **Acta Otorhinolaryngol Ital** 1985 Jan-Feb;5(1):35-9 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Neurofibromatosis: oral and radiographic manifestations. Shapiro SD, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):493-8

[Use of computer tomography in the diagnosis of malignant tumors of the oral cavity] Bähren W. **HNO** 1984 Nov; 32(11):467-75 (Eng. Abstr.) **(Ger)**

[Role of computed tomography in malignant tumors of the oral cavity and pharynx] Schratter M, et al. **Radiologe** 1984 Dec;24(12):554-60 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Peritumor interstitial double nuclide-double compound lymphoscintigraphy in the noninvasive detection of lymphatic metastases in tumors in the area of the face, skull and mouth cavities] Jung H, et al. **Fortschr Kiefer Gesichtschir** 1985;30:178-82 **(Ger)**

RADIOTHERAPY

Techniques for intraoral electron treatments. Hudson FR, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1731-2

Use of intraoral prostheses in external beam radiation of oral and perioral cancer. Epstein JB, et al. **J Prosthet Dent** 1985 Jul;54(1):100-7

Use of the afterloading technique for intraoral radiation carriers. Minsley GE, et al. **J Prosthet Dent** 1985 May; 53(5):676-8

Studies of metronidazole radiosensitizing effect in radiation treatment of patients with oral cavity cancer. Polyakov PYu, et al. **Neoplasma** 1985;32(1):103-11

Results of fast neutron therapy for advanced carcinomas of the oral cavity and oropharynx. Skołyszewski J, et al. **Radiobiol Radiother (Berl)** 1985;26(1):85-9

The biological approach to the radiotherapy of the oral cancers of South India. Krishnamurthi S, et al. **Strahlentherapie** 1984 Nov;160(11):684-7

[Epidermoid carcinoma of the respiratory-digestive tract in women (excluding the esophagus)] Panis X, et al. **J Fr Otorhinolaryngol** 1984 Sep;33(7):321-5 (Eng. Abstr.) **(Fre)**

[Contact therapy in the pharynx and oral cavity areas: after-loading technic, irradiation planning and results] Fritz P, et al. **Strahlentherapie** 1985 May;161(5):293-8 (Eng. Abstr.) **(Ger)**

[Results and indications of radiotherapy in the treatment of carcinoma of the mouth floor] Volterrani F, et al. **Radiol Med (Torino)** 1984 Jul-Aug;70(7-8):528-35 (Eng. Abstr.) **(Ita)**

[Radioprotective effect of local hypothermia] Hong SS, et al. **Gan No Rinsho** 1985 Jun;31(7):854-60 (Eng. Abstr.) **(Jpn)**

[Late damages in the treatment of oral and pharyngeal cancer by radiation therapy] Inomata T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Feb 20;19(1):44-9 (Eng. Abstr.) **(Jpn)**

[Clinical radio-protective anti-inflammatory effects by superoxide dismutase (orgotein)] Kaneda T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 May 20;19(4):811-9 (Eng. Abstr.) **(Jpn)**

[Application of the guideline proposed by Japan Society of Head and Neck Tumor to the results of radiotherapy on the oral cancer] Horiuchi J, et al. **Rinsho Hoshasen** 1985 Jan;30(1):67-70 (Eng. Abstr.) **(Jpn)**

[Radiotherapy of malignant tumors of the maxillofacial region] Vorob'ev IuI. **Vestn Rentgenol Radiol** 1985 May-Jun;(3):76-9 (43 ref.) **(Rus)**

REHABILITATION

Combined functional oral rehabilitation after radical cancer surgery. Wurster CF, et al. **Arch Otolaryngol** 1985 Aug; 111(8):530-3

SURGERY

Lipoma of the cheek. Report of a case. Piattelli A, et al. **Acta Stomatol Belg** 1984 Dec;81(4):287-91

Management of giant cystic hygromas in infants. Seashore JH, et al. **Am J Surg** 1985 Apr;149(4):459-65

Squamous carcinoma of the floor of the mouth. Shaha AR, et al. **Am J Surg** 1984 Oct;148(4):455-9

Aesthetic aspects of composite oromandibular cancer resection and reconstruction. Rudolph R, et al. **Ann Plast Surg** 1985 Feb;14(2):128-34

Carbon dioxide laser surgery for benign oral lesions. Frame JW. **Br Dent J** 1985 Feb 23;158(4):125-8

Tumour spread in a delto-pectoral pedicle flap used in reconstruction of the lower jaw: case report. Mahaffey PJ, et al. **Br J Plast Surg** 1985 Jan;38(1):43-5

The role of radical surgery and post-operative radiotherapy in the management of intra-oral carcinoma. Robertson AG, et al. **Br J Plast Surg** 1985 Jul;38(3):314-20

Radial forearm flap for floor of mouth reconstruction. Matthews RN, et al. **Br J Surg** 1985 Jul;72(7):561-4

Cervical recurrence following radical neck dissection for carcinoma of the oral cavity. Ozeki S, et al. **Fukuoka Igaku Zasshi** 1985 Feb;76(2):37-43

Surgical stents for the head and neck cancer patient. Martin JW, et al. **Head Neck Surg** 1984 Oct;7(1):44-6

Oral papillomatosis treated with cryotherapy: a case report. Aggarwal SP, et al. **J Dent** 1984 Sep;12(3):268-71

Use of the carbon dioxide laser in the management of premalignant lesions of the oral mucosa. Frame JW, et al. **J Laryngol Otol** 1984 Dec;98(12):1251-60

Intratumoral ligation in the management of orofacial cavernous haemangiomas. Popescu V. **J Maxillofac Surg** 1985 Jun;13(3):99-107

The pectoralis major myocutaneous flap for intraoral reconstruction: surgical complications and their treatment. Ueda M, et al. **J Maxillofac Surg** 1985 Feb;13(1):9-13

Blood loss with use of the Shaw scalpel for the treatment of oral cancer. Takagi R, et al. **J Oral Maxillofac Surg** 1985 Aug;43(8):580-4

Morphologic study of jejunal mucosal transplants for the replacement of oral mucosa. Reichart P, et al. **J Oral Pathol** 1984 Dec;13(6):595-603

Procedure for resection of carcinomas of the oral cavity and oropharynx [letter] Stanley RB Jr. **Laryngoscope** 1984 Nov; 94(11 Pt 1):1517-8

Role of the CO2 laser in the management of localized carcinoma of the oral cavity. Emphasis on second primary malignancies. Adams GL, et al. **Minn Med** 1985 Apr; 68(4):285-9

Cryosurgical removal of a large oral hemangioma. Hartmann PK, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep; 58(3):280-2

Benefits of the CO2 laser in oral hemangioma excision. Apfelberg DB, et al. **Plast Reconstr Surg** 1985 Jan; 75(1):46-50

The hairless osteotomized radial forearm flap. Moore MH, et al. **Plast Reconstr Surg** 1985 Aug;76(2):301-6

[Further experiences with the infrahyoid myocutaneous flap in reconstruction after radical surgery of cheek and palate cancer] Wang HS. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Mar;20(2):100-2, 127-8 (Eng. Abstr.) **(Chi)**

[Pectoralis major musculocutaneous flap after oncologic excision of the buccal cavity and oropharynx] Demard F, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(6):459-61 (Eng. Abstr.) **(Fre)**

[Role of cryotherapy in the treatment of small angiomas of the oral cavity] Ragot JP, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):589-91 (Eng. Abstr.) **(Fre)**

[Myomucosal flaps of the tongue for covering defects in the mouth area] Weerda H. **HNO** 1985 Jul;33(7):303-6 (Eng. Abstr.) **(Ger)**

[Surgical concepts in the treatment of malignant oral mucosal tumors of the mandible and floor of the mouth] Hadjianghelou O. **Schweiz Monatsschr Zahnmed** 1984 Oct; 94 Spec No:928-45 (Eng. Abstr.) **(Ger)**

[Reconstruction of oral defects using free revascularized jejunum transfer] Sakamoto H, et al. **Gan No Rinsho** 1985 Jul;31(8):908-13 (Eng. Abstr.) **(Jpn)**

[Latissimus dorsi myocutaneous-iliac bone flap for massive defects of the mandible and oral floor] Fujiyoshi T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Dec;87(12):1643-9 (Eng. Abstr.) **(Jpn)**

THERAPY

Combined cryosurgical, chemotherapeutic, and radiotherapeutic management of T1-4N0M0 oral cavity cancers. Airoldi M, et al. **Cancer** 1985 Aug 1;56(3):424-31

Constant rate enteral nutrition in bucco-pharyngeal cancer care. A highly efficient nutritional support system. Pichard C, et al. **Clin Otolaryngol** 1984 Aug;9(4):209-14

Therapeutic effect of human fibroblast interferon on premalignant lesions arising in oral mucosa. A pilot study. Sato M, et al. **Int J Oral Surg** 1985 Apr;14(2):184-94

Carcinoma of the tongue and floor of the mouth. Preliminary results of a multidisciplinary approach. Airoldi M, et al. **J Maxillofac Surg** 1985 Jun;13(3):111-5

Retrospective DOSAK Study on carcinomas of the oral cavity: results and consequences. Platz H, et al. **J Maxillofac Surg** 1985 Aug;13(4):147-53

The use of transarterial microembolization in the management of hemangiomas of the perioral region. Braun IF, et al. **J Oral Maxillofac Surg** 1985 Apr;43(4):239-48

Adjuvant Corynebacterium parvum immunotherapy for squamous cell epitheliomas of the oral cavity, pharynx, and larynx. Neifeld JP, et al. **J Surg Oncol** 1985 Feb; 28(2):137-45

A study of the clinical characteristics and treatment of oral carcinoma in situ. Amagasa T, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jul;60(1):50-5

Clinical behavior and results of current therapeutic modalities for squamous cell carcinoma of the buccal mucosa. Ildstad ST, et al. **Surg Gynecol Obstet** 1985 Mar;160(3):254-8

[Treatment of squamous carcinoma of the floor of the mouth--an analysis of 33 cases] Miao YJ. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):37-8 (Eng. Abstr.) **(Chi)**

[Experience treating 30 cases of oromaxillofacial non-Hodgkin's lymphoma] Qiu W. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Mar;20(2):78-80, 126 (Eng. Abstr.) **(Chi)**

[Non-Hodgkin's malignant lymphoma with cervicofacial expression. Modulation of the radiotherapy-chemotherapy combination according to the cytological class] Bolla M, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):621-5 (Eng. Abstr.) **(Fre)**

[Prognostic factors in the treatment of inoperable orofacial tumors with simultaneous radiotherapy and intra-arterial chemotherapy] Szepesi T, et al. **Strahlentherapie** 1985 May; 161(5):299-307 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Ultrastructural features of oral condyloma acuminatum. George DI Jr, et al. **J Oral Med** 1984 Jul-Sep;39(3):169-72

Russell body-like inclusions in oral B-lymphomas. Kurihara K, et al. **J Oral Pathol** 1984 Dec;13(6):640-9

A quantitative ultrastructural study of alterations in the area of the basal cell-stromal interface during experimental oral carcinogenesis. White FH, et al. **J Oral Pathol** 1985 Mar;

14(3):227–35

VETERINARY

Ketamine HCL and diazepam anaesthesia of a leopard seal (Hydrurga leptonyx) for the biopsy of multiple fibromatous epulis. Gales NJ. **Aust Vet J** 1984 Sep;61(9):295–6
Upper digestive tract neoplasia in the cat (a comparative study). Levene A. **J Laryngol Otol** 1984 Dec;98(12):1221–3
Selected oral, pharyngeal, and upper respiratory conditions in the cat. Oral tumors, nasopharyngeal and middle ear polyps, and chronic rhinitis and sinusitis. Bradley RL. **Vet Clin North Am [Small Anim Pract]** 1984 Nov; 14(6):1173–84 (47 ref.)
Oral tumors. Harvey HJ. **Vet Clin North Am [Small Anim Pract]** 1985 May; 15(3):493–500 (23 ref.)

MOUTH PROTECTORS

Semi-fixed appliance to treat injurious lip habit: report of case. Jasmin JR. **ASDC J Dent Child** 1985 May–Jun; 52(3):188–90
Improved mouthguard design for the edentulous sportsman. Chapman PJ. **Aust Dent J** 1985 Apr;30(2):86–8
Dental factors in Scuba mouthpiece design. Mack PJ, et al. **Br Dent J** 1985 Feb 23;158(4):141–2
Orofacial injuries and the use of mouthguards by the 1984 Great Britain Rugby League touring team. Chapman PJ. **Br J Sports Med** 1985 Mar;19(1):34–6
Orofacial injuries and mouthguards: a study of the 1984 Wallabies. Chapman PJ. **Br J Sports Med** 1985 Jun; 19(2):93–5
Mouthguards, an evaluation of two types for Rugby players. Upson N. **Br J Sports Med** 1985 Jun;19(2):89–92
An evaluation of mouthguard programs in Texas high school football. Seals RR Jr, et al. **J Am Dent Assoc** 1985 Jun; 110(6):904–9
Materials for mouth protectors. Bishop BM, et al. **J Prosthet Dent** 1985 Feb;53(2):256–61
Modular mouthstick system. Kozole KP, et al. **J Prosthet Dent** 1985 Jun;53(6):831–5
Prosthetic treatment for chemical burns of the oral cavity. Seals RR Jr, et al. **J Prosthet Dent** 1985 May;53(5):688–91
[Use of dental impression technic in the construction of individual tooth protectors and their significance in the prevention of sports injuries] Simon G, et al. **Fogorv Sz** 1985 Jan;78(1):1–4 **(Hun)**

STANDARDS

A comparison of athletic mouthguard materials. Chaconas SJ, et al. **Am J Sports Med** 1985 May–Jun;13(3):193–7

MOUTH REHABILITATION

Oral rehabilitation to maintain independence. Tilman HH. **Arch Phys Med Rehabil** 1985 Feb;66(2):117–8
The role of transitionals in mouth rehabilitation. Silverman S. **Dent Clin North Am** 1985 Jan;29(1):163–70

METHODS

Cosmetic considerations of dental arch form and function in managing the aging face. Reiter D, et al. **Ear Nose Throat J** 1984 Sep;63(9):432–9

MOUTHPIECES see **MOUTH PROTECTORS**

MOUTHWASHES

Outbreak of septicaemia due to contaminated mouthwash. Stephenson JR, et al. **Br Med J [Clin Res]** 1984 Dec 8; 289(6458):1584
Intraoral uptake of fluoride by presoftened enamel following systemic administration and fluoride mouthrinsing. Zimmermann MB, et al. **Caries Res** 1985;19(3):255–61
Acute alcohol toxicity following mouthwash ingestion [letter] Leung AK. **Clin Pediatr (Phila)** 1985 Aug;24(8):470
[Fluoridated mouthwashes as a preventive measure in community health: review article] Simard P, et al. **Can J Public Health** 1984 Jul–Aug;75(4):304–9 (81 ref.) (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Use of a palatal reservoir in denture patients with xerostomia. Toljanic JA, et al. **J Prosthet Dent** 1984 Oct;52(4):540–4
Artificial saliva reservoirs. Vissink A, et al. **J Prosthet Dent** 1984 Nov;52(5):710–5

ADVERSE EFFECTS

Ethanol-induced hypoglycemia from mouthwash [letter] Leung AK. **Drug Intell Clin Pharm** 1985 Jun;19(6):480–1
A study of the relationship between mouthwash use and oral and pharyngeal cancer. Mashberg A, et al. **J Am Dent Assoc** 1985 May;110(5):731–4
Sodium fluoride as an oral carcinogen [letter] Sutton PR. **NZ Med J** 1985 Mar 27;98(775):207
A fruit-mouthwash chemical burn. Report of a case. Touyz LZ, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep; 58(3):290–2

PHARMACODYNAMICS

The antimicrobial activity of modern mouthwashes. Grenby TH, et al. **Br Dent J** 1984 Oct 6;157(7):239–42
The antimicrobial activity of modern mouthwashes [letter] Ross NM. **Br Dent J** 1985 Apr 6;158(7):241–2
Immediate and delayed effects of an enzyme-dependent mineralizing mouthrinse on dental plaque. Schamschula RG, et al. **J Dent Res** 1985 Mar;64(3):454–6

POISONING

Mouthwash poisoning. Report of a fatal case. Selbst SM, et al. **Clin Pediatr (Phila)** 1985 Mar;24(3):162–3

THERAPEUTIC USE

Treatment of recurrent aphthous ulcers with Aureomycin mouth rinse or Zendium dentifrice. Henricsson V, et al. **Acta Odontol Scand** 1985 Mar;43(1):47–52
The effect of a 0.1% cetylpyridinium chloride mouthrinse on plaque and gingivitis in adult subjects. Ashley FP, et al. **Br Dent J** 1984 Sep 22;157(6):191–6
Posttreatment benefits from participation in a school-based fluoride mouthrinsing program: results after up to 7 years of rinsing. Leske GS, et al. **Caries Res** 1985;19(4):371–8
Enhancement of (salivary) remineralization by 'dipping' solutions. ten Cate JM, et al. **Caries Res** 1985;19(4):335–41
Caries clinical trial of fluoride rinses in a Danish Public Child Dental Service. Poulsen S, et al. **Community Dent Oral Epidemiol** 1984 Oct;12(5):283–7
Rewards and adolescent health behavior. Lund AK, et al. **Health Psychol** 1984;3(4):351–83
Effect of chlorhexidine rinses on the morphology of early dental plaque formed on plastic film. Brecx M, et al. **J Clin Periodontol** 1984 Oct;11(9):553–64
Folate mouthwash: effects on established gingivitis in periodontal patients. Pack AR. **J Clin Periodontol** 1984 Oct; 11(9):619–28
The efficiency of caries prevention with weekly fluoride mouthrinses. Stamm JW, et al. **J Dent Educ** 1984 Nov; 48(11):617–26
Weekly rinsing with a fluoride mouthrinse in an unfluoridated community: results after seven years. Leverett DH, et al. **J Public Health Dent** 1985 Spring;45(2):95–100
Oral complications of acute leukemia: prophylactic impact of a chlorhexidine mouth rinse regimen. McGaw WT, et al. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):275–80
Effect of antimicrobial mouth rinses on the incidence of localized alveolitis and infection following mandibular third molar oral surgery. Sweet JB, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):24–6
[Choice of the disinfectant for the oral cavity] Hefti A. **Schweiz Monatsschr Zahnmed** 1984 Oct;94 Spec No:985–91 (Eng. Abstr.) **(Ger)**
[2-year clinically controlled study of plaque prevention with chlorhexidine digluconate and hydrogen peroxide in marginal periodontitis] Gängler P, et al. **Zahn Mund Kieferheilkd** 1985;73(3):253–61 (Eng. Abstr.) **(Ger)**
[Dental clinical trial of a chlorhexidine-based mouthwash] Rapisarda E, et al. **Minerva Stomatol** 1984 Sep–Oct; 33(5):881–7 (Eng. Abstr.) **(Ita)**

MOVEMENT

see related
IMMOBILIZATION
MOTION

A photosensitive method for measuring horizontal movements of the head to visual and auditory targets. Stoppa M, et al. **Acta Neurobiol Exp (Warsz)** 1984; 44(5):233–8
Changes in leg movements and muscle activity with speed of locomotion and mode of progression in humans. Nilsson J, et al. **Acta Physiol Scand** 1985 Apr;123(4):457–75
An attempt to distinguish between kinematic and motor memory components. Zimmer HD, et al. **Acta Psychol (Amst)** 1985 Jan;58(1):81–106
Motor function after stroke. Smith DL, et al. **Age Ageing** 1985 Jan;14(1):46–8
Regional left ventricular wall motion assessment: comparison of two-dimensional echocardiography and radionuclide angiography with contrast angiography in healed myocardial infarction. Freeman AP, et al. **Am J Cardiol** 1985 Jul 1;56(1):8–12
Tongue movements in 4- and 5-year-old Down's syndrome children during eating: a comparison with normal children. Gisel EG, et al. **Am J Occup Ther** 1984 Oct;38(10):660–5
Brief or new: two pronation splints. Hage G. **Am J Occup Ther** 1985 Apr;39(4):265–7
Amorphic lenses: a mobility aid for patients with retinitis pigmentosa. Hoeft WW, et al. **Am J Optom Physiol Opt** 1985 Feb;62(2):142–8
Short latency somatosensory evoked potentials during active hand movements. Tarkka IM, et al. **Am J Phys Med** 1985 Feb;64(1):10–6
Three-dimensional cinematographic analysis of water polo throwing in elite performers. Whiting WC, et al. **Am J Sports Med** 1985 Mar–Apr;13(2):95–8
Assessment of asynchronous and paradoxic motion between rib cage and abdomen in normal subjects and in patients with chronic obstructive pulmonary disease. Sackner MA, et al. **Am Rev Respir Dis** 1984 Oct;130(4):588–93
Kinematic analysis of human movement. An KN, et al. **Ann Biomed Eng** 1984;12(6):585–97
Viscoelastic properties of the wrist motor servo in man. Gielen CC, et al. **Ann Biomed Eng** 1984;12(6):599–620
On the structural and physiological basis of the influence of exercise, movement and immobilization in inflammatory joint diseases. Ahlqvist J. **Ann Chir Gynaecol [Suppl]** 1985; 198:10–8 (60 ref.)
New facts about hand control-kinaesthesia. Moberg E. **Ann Chir Main** 1985;4(1):64–6
Stereotyped pattern of lower limb movement during level and grade walking on treadmill. Yamasaki M, et al. **Ann Physiol Anthropol** 1984 Oct;3(4):291–6
Motor effects of electrical and cholinergic stimulation of the cat's dorsal hippocampus. Motles E, et al. **Arch Ital Biol** 1984 Sep;122(3):225–36
Motor proficiency in dyslexic children with and without attentional disorders. Denckla MB, et al. **Arch Neurol** 1985 Mar;42(3):228–31
Mathematical kinematics in engineering of endoprostheses. Evaluation of the results of gait analysis. Hoschek J, et al. **Arch Orthop Trauma Surg** 1984;103(5):342–7
Duration of stretching effect on range of motion in lower extremities. Möller M, et al. **Arch Phys Med Rehabil** 1985 Mar;66(3):171–3
Isokinetic torque levels in hemophiliac knee musculature. Strickler EM, et al. **Arch Phys Med Rehabil** 1984 Dec; 65(12):766–70
A theoretical model of phase transitions in human hand movements. Haken H, et al. **Biol Cybern** 1985;51(5):347–56
Merits of an individualized approach to fetal movement counting compared with fixed-time and fixed-number methods. Grant A, et al. **Br J Obstet Gynaecol** 1984 Nov; 91(11):1087–90
Surgical management for abnormal head position in nystagmus: the augmented modified Kestenbaum procedure. Nelson LB, et al. **Br J Ophthalmol** 1984 Nov; 68(11):796–800
Activity of muscle spindles, motor cortex and cerebellar nuclei during action tremor. Elble RJ, et al. **Brain Res** 1984 Dec 10;323(2):330–4
A consideration of sensory factors involved in motor functions of the basal ganglia. Lidsky TI, et al. **Brain Res** 1985 Jun;356(2):133–46 (87 ref.)
'Fusimotor set': new evidence for alpha-independent control of gamma-motoneurones during movement in the awake cat. Prochazka A, et al. **Brain Res** 1985 Jul 22;339(1):136–40
Thoracoabdominal motion during hypercapnia, hypoxia, and exercise. Chapman KR, et al. **Can J Physiol Pharmacol** 1985 Mar;63(3):188–92
Resonance properties of the human elbow. MacKay WA. **Can J Physiol Pharmacol** 1984 Jul;62(7):802–8
Left ventricular thrombosis, wall motion abnormalities, and blood viscosity changes after first transmural anterior myocardial infarction. Bhatnagar SK, et al. **Chest** 1985 Jul; 88(1):40–4
Basal ganglia links for movement, mood and memory. **Ciba Found Symp** 1984;107:103–13
Which motor disorder in Parkinson's disease indicates the true motor function of the basal ganglia? Marsden CD. **Ciba Found Symp** 1984;107:225–41
Biomechanics of lumbar fusion. Evans JH. **Clin Orthop** 1985 Mar;(193):38–46
The sarcoplasmic reticulum: a comparative study. Franciolini F. **Comp Biochem Physiol [A]** 1985;80(3):265–70
Using a microcomputer and video camera to simultaneously track 25 animals. Dusenbery DB. **Comput Biol Med** 1985; 15(4):169–75
Movement related slow potentials. II. A contrast between finger and foot movements in left-handed subjects. Brunia CH, et al. **Electroencephalogr Clin Neurophysiol** 1985 Feb; 60(2):135–45
Somatosensory evoked potentials to mechanical disturbances of positioning movements in man: gating of middle-range components. Grünewald G, et al. **Electroencephalogr Clin Neurophysiol** 1984 Dec; 58(6):525–36
Power spectral analysis of the surface electromyogram before and after a warning signal in a reaction movement. Tanii K, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jun; 60(6):532–8
Cerebral potentials accompanying visually triggered finger movement in man. Thickbroom GW, et al. **Electroencephalogr Clin Neurophysiol** 1985 May; 62(3):209–18
Tendon injuries––flexor surface. Herndon JH. **Emerg Med Clin North Am** 1985 May;3(2):341–9
Tendon injuries––extensor surface. Herndon JH. **Emerg Med Clin North Am** 1985 May;3(2):333–40
Epileptic seizures precipitated by constant light, movement in daily life, and hot water immersion. Morimoto T, et al. **Epilepsia** 1985 May–Jun;26(3):237–42
A method for measuring arm movements in man under ambulatory conditions. Renfrew JW, et al. **Ergonomics** 1984 Jun;27(6):651–61
A technique for motion correction in dynamic scintigraphy. Fleming JS. **Eur J Nucl Med** 1984;9(9):397–402
The interface between biomechanics and neurophysiology in the study of movement: some recent approaches. Hasan Z, et al. **Exerc Sport Sci Rev** 1985;13:169–234 (181 ref.)
Rapid goal-directed elbow flexion movements: limitations of the speed control system due to neural constraints.

Benecke R, et al. **Exp Brain Res** 1985;59(3):470–7

Role of the cat substantia nigra pars reticulata in eye and head movements. II. Effects of local pharmacological injections. Boussaoud D, et al. **Exp Brain Res** 1985; 57(2):297–304

Changes in reciprocal Ia inhibition from wrist extensors to wrist flexors during voluntary movement in man. Cavallari P, et al. **Exp Brain Res** 1984;56(3):574–6

Isometric torque–angle relationship and movement–related activity of human elbow flexors: implications for the equilibrium–point hypothesis. Hasan Z, et al. **Exp Brain Res** 1985;59(3):441–50

Role of the cat substantia nigra pars reticulata in eye and head movements. I. Neural activity. Joseph JP, et al. **Exp Brain Res** 1985;57(2):286–96

Effects of applied vibration on triphasic electromyographic patterns in neurologically ballistic head movements. Hannaford B, et al. **Exp Neurol** 1985 May;88(2):447–60

Unit activity related to head and eye movements in central thalamus of cats. Maldonado HM, et al. **Exp Neurol** 1984 Nov;86(2):359–78

Dorsal–ventral differences in the midbrain distribution of single neurons with head movement–correlated and locomotion–correlated firing in the golden hamster. Rose JD. **Exp Neurol** 1985 Feb;87(2):225–34

Reticular formation neurons related to tongue movement in the behaving cat. Suzuki SS, et al. **Exp Neurol** 1985 Sep; 89(3):689–97

The measurement of ankle movements—a new method. Muwanga CL, et al. **Injury** 1985 Mar;16(5):312–4

Independence of exercise hypocapnia and limb movement frequency in ponies. Forster HV, et al. **J Appl Physiol** 1984 Dec;57(6):1885–93

Reactions of cardiac postganglionic sympathetic neurons to movements of normal and inflamed knee joints. Sato Y, et al. **J Auton Nerv Syst** 1985 Jan;12(1):1–13

The finite displacements vector's method: an application to the scoliotic spine. Dimnet J, et al. **J Biomech** 1984; 17(6):397–408

A general Newtonian simulation of an n–segment open chain model. Marshall RN, et al. **J Biomech** 1985;18(5):359–67

Toward quantification of athetotic movements by frequency spectrum analysis. Niku S, et al. **J Biomech** 1985;18(1):71–6

Finite centroid and helical axis estimation from noisy landmark measurements in the study of human joint kinematics. Woltring HJ, et al. **J Biomech** 1985; 18(5):379–89

The influence of muscle model complexity in musculoskeletal motion modeling. Audu ML, et al. **J Biomech Eng** 1985 May;107(2):147–57

Kinematic and force data collection in biomechanics by means of sonic emitters––I: Kinematic data collection methodology. Engin AE, et al. **J Biomech Eng** 1984 Aug; 106(3):204–11

Kinematic and force data collection in biomechanics by means of sonic emitters––II: Force data collection and application to the human shoulder complex. Engin AE, et al. **J Biomech Eng** 1984 Aug;106(3):212–9

Relationship between accelerations and decelerations in heart rate and skeletal muscle activity in fetal sheep. Bocking AD, et al. **J Dev Physiol** 1985 Feb;7(1):47–54

The maximum forces exerted by animals. Alexander RM. **J Exp Biol** 1985 Mar;115:231–8

Wavelength dependence of dark adaptation in Phycomyces phototropism. Galland P, et al. **J Gen Physiol** 1984 Nov; 84(5):739–51

The late functional results of upper limb revascularization and replantation. Russell RC, et al. **J Hand Surg [Am]** 1984 Sep;9(5):623–33

Neuromuscular plasticity following limb immobilization. Pachter BR, et al. **J Neurocytol** 1984 Dec;13(6):1013–25

Sensitivity and localizing significance of motor and sensory electroneurographic parameters in the diagnosis of ulnar nerve lesions at the elbow. A reappraisal. Tackmann W, et al. **J Neurol** 1984;231(4):204–11

Kinematic representation of imposed forearm movements by pericruciate neurons (areas 4 and 3a) in the awake cat. Bedingham W, et al. **J Neurophysiol** 1985 Apr; 53(4):886–909

Control of sequential movements: evidence for generalized motor programs. Carter MC, et al. **J Neurophysiol** 1984 Nov;52(5):787–96

Primate globus pallidus and subthalamic nucleus: functional organization. DeLong MR, et al. **J Neurophysiol** 1985 Feb; 53(2):530–43

Activity of neurons in putamen during active and passive movements of wrist. Liles SL. **J Neurophysiol** 1985 Jan; 53(1):217–36

Effects of stimulation of corpus callosum on precentral neuron activity in the awake monkey. Matsunami K, et al. **J Neurophysiol** 1984 Oct;52(4):676–91

Nonspiking local interneuron in the motor pattern generator for the crayfish swimmeret. Paul DH, et al. **J Neurophysiol** 1985 Jul;54(1):28–39

Kinematic features of unrestrained vertical arm movements. Atkeson CG, et al. **J Neurosci** 1985 Sep;5(9):2318–30

Posture control and trajectory formation during arm movement. Bizzi E, et al. **J Neurosci** 1984 Nov; 4(11):2738–44

Development and characteristics of airstepping in chronic spinal cats. Giuliani CA, et al. **J Neurosci** 1985 May; 5(5):1276–82

An organizing principle for a class of voluntary movements. Hogan N. **J Neurosci** 1984 Nov;4(11):2745–54

Rapid mobility of motile varicosities and inclusions containing alpha–spectrin, actin, and calmodulin in regenerating axons in vitro. Koenig E, et al. **J Neurosci** 1985 Mar;5(3):715–29

A He–Ne laser position–detector for recording jaw movements: principle of operation and application in animal experiments. Morimoto T, et al. **J Neurosci Methods** 1984 Aug;11(3):193–8

Processing differential image motion. Rieger JH, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):354–60

Habitual head turning in spasmus nutans: an oculographic study. Chrousos GA, et al. **J Pediatr Ophthalmol Strabismus** 1985 May–Jun; 22(3):113–6

Goniometric reliability for a child with spastic quadriplegia. Harris SR, et al. **J Pediatr Orthop** 1985 May–Jun; 5(3):348–51

Magnocellular red nucleus activity during different types of limb movement in the macaque monkey. Gibson AR, et al. **J Physiol (Lond)** 1985 Jan;358:527–49

Relation between red nucleus discharge and movement parameters in trained macaque monkeys. Gibson AR, et al. **J Physiol (Lond)** 1985 Jan;358:551–70

Discharge in muscle spindle afferents related to direction of slow precision movements in man. Hulliger M, et al. **J Physiol (Lond)** 1985 May;362:437–53

Investigation of the effect of a variable anterior guidance incline on the graphic registration of mandibular border movement: Part I. Gross MD, et al. **J Prosthet Dent** 1985 May;53(5):731–6

Ear–eye reflexes while riding in a car. Clack TD, et al. **Laryngoscope** 1985 Feb;95(2):182–5

Effect of thoracoabdominal configuration on the diaphragmatic contribution to rib cage motion. Park SS, et al. **Lung** 1984;162(4):205–21

Mechanical and muscular factors affecting the efficiency of human movement. Cavanagh PR, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):326–31 (33 ref.)

The efficiency of human movement––a statement of the problem. Cavanagh PR, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):304–8

Synthesis, experimentation, and the biomechanics of economical movement. Frederick EC. **Med Sci Sports Exerc** 1985 Feb;17(1):44–7

The effect of carried loads on the combative movement performance of men and women. Martin PE, et al. **Milit Med** 1985 Jul;150(7):357–62

Depletion of unilateral striatal dopamine impairs initiation of contralateral actions and not sensory attention. Carli M, et al. **Nature** 1985 Feb 21–27;313(6004):679–82

Unusual spontaneous movements in brain–dead patients [letter] Jordan JE, et al. **Neurology** 1985 Jul;35(7):1082

Mirror movement asymmetries in congenital hemiparesis: the inhibition hypothesis revisited. Nass R. **Neurology** 1985 Jul; 35(7):1059–62

Traumatic decerebracy with preserved consciousness and voluntary movement. Pattisapu J, et al. **Neurosurgery** 1985 Jan;16(1):71–4

Body movements during sleep as an indicator of comfort. Kusunoki M. **Nippon Eiseigaku Zasshi** 1985 Feb; 39(6):886–93

Exercise and mobility in arthritis. Banwell BF. **Nurs Clin North Am** 1984 Dec;19(4):605–16

Immobility reactions: a modified classification. Reese WG, et al. **Pavlov J Biol Sci** 1984 Jul–Sep;19(3):137–43

Control in memory for movement cues by mentally retarded children. Horgan JS. **Percept Mot Skills** 1985 Apr; 60(2):439–44

Development of movement schema in young children. Williams HG, et al. **Percept Mot Skills** 1985 Apr; 60(2):403–10

Upside–down presentation of the Johansson moving light–spot pattern. Sumi S. **Perception** 1984;13(3):283–6

Circling and bodily asymmetry induced by injection of GABA agonists and antagonists into the superior colliculus. Geula C, et al. **Pharmacol Biochem Behav** 1984 Dec; 21(6):853–8

Hippocampus: memory, habit and voluntary movement. Gaffan D. **Philos Trans R Soc Lond [Biol]** 1985 Feb 13; 308(1135):87–99

Contribution of pelvic and lower limb motion to increases in the angle of passive straight leg raising. Bohannon R, et al. **Phys Ther** 1985 Apr;65(4):474–6

Compact device for positional biofeedback. Suggestion from the field. Bohannon RW, et al. **Phys Ther** 1984 Nov; 64(11):1692

Biomechanical comparison of rising from two types of chairs. Burdett RG, et al. **Phys Ther** 1985 Aug;65(8):1177–83

Kinesiology versus biomechanics. A perspective. Cerny K. **Phys Ther** 1984 Dec;64(12):1809

Role of cerebral cortex in voluntary movements. A review. Cheney PD. **Phys Ther** 1985 May;65(5):624–35 (51 ref.)

Biomechanics in clinical practice. Deusinger RH. **Phys Ther** 1984 Dec;64(12):1860–8

Effects of mental practice on balance in elderly women. Fansler CL, et al. **Phys Ther** 1985 Sep;65(9):1332–8

Pelvic tilt. Intratester reliability of measuring the standing position and range of motion. Gajdosik R, et al. **Phys Ther** 1985 Feb;65(2):169–74

Rising from a chair. Influence of age and chair design. Wheeler J, et al. **Phys Ther** 1985 Jan;65(1):22–6

Techniques for clinical assessment of human movement. Yack HJ. **Phys Ther** 1984 Dec;64(12):1821–30

Vestibular versus tail–pinch activation in cats with lateral hypothalamic lesions. O'Brien DP, et al. **Physiol Behav** 1985 May;34(5):811–4

Head movements elicited by electrical stimulation of the anteromedial cortex of the rat. Sinnamon HM, et al. **Physiol Behav** 1984 Aug;33(2):185–90

Comparison of early passive motion and immobilization after flexor tendon repairs. Creekmore H, et al. **Plast Reconstr Surg** 1985 Jan;75(1):75–9

Computer image analysis of mother–infant interaction. Kobayashi N. **Prog Clin Biol Res** 1985;163B:433–8

Reaction times of normal subjects and amputees with below–knee and above–knee prostheses during stepping. Nakamura R, et al. **Prosthet Orthot Int** 1984 Aug;8(2):100–2

Pupillary dilations in movement preparation and execution. Richer F, et al. **Psychophysiology** 1985 Mar;22(2):204–7

Voluntary movement and excitability of cutaneous eyeblink reflexes. Sanes JN. **Psychophysiology** 1984 Nov; 21(6):653–64

Effects of expiratory threshold loading on thoracoabdominal motion in cats. DiMarco AF, et al. **Respir Physiol** 1984 Aug;57(2):247–57

Motion of the pubic symphysis in pelvic instability. Walheim GG, et al. **Scand J Rehabil Med** 1984;16(4):163–9 (32 ref.)

Neurobiological bases of rhythmic motor acts in vertebrates. Grillner S. **Science** 1985 Apr 12;228(4696):143–9

Periodic movements during sleep, sleep fragmentation, and sleep–wake complaints. Rosenthal L, et al. **Sleep** 1984; 7(4):326–30

Effect of microstimulation of movement–evoking cortical foci on the activity of neurons on the dorsal column nuclei. Giuffrida R, et al. **Somatosens Res** 1985;2(3):237–47

Idiopathic scoliosis and the central nervous system: a motor control problem. The Harrington lecture, 1983. Scoliosis Research Society. Herman R, et al. **Spine** 1985 Jan–Feb; 10(1):1–14 (97 ref.)

Body movements and events contributing to accidental and nonaccidental back injuries. Manning DP, et al. **Spine** 1984 Oct;9(7):734–9

Measurements of trunk movements during work. Nordin M, et al. **Spine** 1984 Jul–Aug;9(5):465–9

The structure of fantasied movement in suicidal children and adolescents. Santostefano S, et al. **Suicide Life Threat Behav** 1984 Spring;14(1):3–16

Motor time of the rectus femoris during passive movements. Sajiki N, et al. **Tohoku J Exp Med** 1985 Feb;145(2):231–2

Stereopsis during continuous head motion. Patterson R, et al. **Vision Res** 1984;24(12):2001–3

On the quality and magnitude of mechanical stresses in the locomotor system during rapid movements. Preuschoft H. **Z Morphol Anthropol** 1985;75(3):245–62

[Movements of surgical patients confined to bed] Zhang W. **Chung Hua Hu Li Tsa Chih** 1984 Oct;19(5):293–6 **(Chi)**

[Kinesiogenic choreoathetosis] Chen HB. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Apr; 17(2):101–4 (Eng. Abstr.) **(Chi)**

[Disorders of asymmetric coordination after cerebrovascular accidents] Háčik L, et al. **Cesk Neurol Neurochir** 1985 Mar; 48(2):83–8 (Eng. Abstr.) **(Cze)**

[Cellular (neuronal) mechanisms from the aspect of their relation to the regulation of motor activity. Prognostic study] Pavlásek J. **Cesk Neurol Neurochir** 1984 Sep; 47(5):277–82 **(Cze)**

[Measurement of the mobility of a finger joint in systemic scleroderma patients using a new protractor] Serup J. **Ugeskr Laeger** 1984 May 28;146(22):1635–7 (Eng. Abstr.) **(Dan)**

[Cinematic study of the cervical spine during flexion–extension movements] Gonnot GP, et al. **Bull Assoc Anat (Nancy)** 1983 Dec;67(199):433–43 (Eng. Abstr.) **(Fre)**

[Global electromyographic study of the labial system in man. Comparative motricity of the upper and lower labial system. Influence on facial morphology] Van Besien Y, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Oct; 27(4):301–5 (Eng. Abstr.) **(Fre)**

[Reflex circuits of the spinal cord in man. Control during movement and their functional role (1)] Pierrot–Deseilligny E, et al. **Rev Neurol (Paris)** 1984;140(11):605–14 (Eng. Abstr.) **(Fre)**

[Reflex circuits of the spinal cord in man. Control during movement and functional role (2)] Pierrot–Deseilligny E, et al. **Rev Neurol (Paris)** 1984;140(12):681–94 (171 ref.) **(Fre)**

[Effect of movement on synovial pit development] Mehlfeld R, et al. **DTW** 1984 Oct 8;91(10):360–4 (Eng. Abstr.) **(Ger)**

[Orofacial dyskinesias as an expression of a disturbed relationship of breathing, digestion and movement] von Treuenfels H. **Fortschr Kieferorthop** 1985 Jun;46(3):191–206 (Eng. Abstr.) **(Ger)**

[Striving for movement–induced adaptation––why?] Israel S. **Z Gesamte Inn Med** 1985 May 15;40(10):281–6 (40 ref.) (Eng. Abstr.) **(Ger)**

[Anatomo–functional organization of human movement] Millefiorini M, et al. **Riv Neurol** 1985 May–Jun;55(3):221–5 (Eng. Abstr.) **(Ita)**

[A study on relation between premotor cortex and forelimb movement: analysis of neuronal activity] Kurata K.

Hokkaido Igaku Zasshi 1984 Jul;59(4):425-38 (Eng. Abstr.) **(Jpn)**

[A computer analysis of entrainment (motion-voice synchronization) in communication: a mother-neonate relation as an example] Watanabe T, et al. **Iyodenshi To Seitai Kogaku** 1984 Oct;22(6):419-25 (Eng. Abstr.) **(Jpn)**

[Intrathoracic movement of the normal and hypertrophied hearts measured by biplane coronary cineangiography] Osato S, et al. **J Cardiogr** 1984 Jun;14(1):105-13 (Eng. Abstr.) **(Jpn)**

[Mechanism of an early diastolic posterior motion of the interventricular septum in patients with mitral stenosis: with special reference to left ventricular inflow velocity pattern] Tominaga T, et al. **J Cardiogr** 1984 Jun; 14(1):135-48 (Eng. Abstr.) **(Jpn)**

[Regional cerebral blood flow changes during finger movement and reading aloud--comparison between N-isopropyl-p-[123I]iodoamphetamine intra-venous injection and 133Xe inhalation methods] Matsuda H, et al. **Kaku Igaku** 1984 Jul;21(7):859-65 (Eng. Abstr.) **(Jpn)**

[Recording of lid movement. A new trial for infra-red video camera (report 1)] Niida T, et al. **Nippon Ganka Gakkai Zasshi** 1985 Mar;89(3):465-9 (Eng. Abstr.) **(Jpn)**

[A roentgenographic study of extension movements in osteoarthritic knees] Yamaji Z. **Nippon Seikeigeka Gakkai Zasshi** 1984 Sep;58(9):895-906 (Eng. Abstr.) **(Jpn)**

[Homolateral imitative synkinesia--symptomatological study. Part 2: Homolateral imitative synkinesia in adult patients] Yamada T, et al. **Rinsho Shinkeigaku** 1984 Aug; 24(8):828-38 (Eng. Abstr.) **(Jpn)**

[Homolateral imitative synkinesia--symptomatological study. Part 1: Homolateral imitative movement in normal children] Yamada T. **Rinsho Shinkeigaku** 1984 Aug; 24(8):823-7 (Eng. Abstr.) **(Jpn)**

[Value of the study of visual manual localization for the purpose of applied ergonomics] Remlein-Mozolewska G. **Klin Oczna** 1984 Nov;86(11):495-9 (Eng. Abstr.) **(Pol)**

[Structure of the wall of the renal artery during limitation of motor activity] Belousova GN. **Arkh Anat Gistol Embriol** 1984 Oct;87(10):21-5 (Eng. Abstr.) **(Rus)**

[Various results and prospects for the study of the vascular system during restricted motor activity] Prives MG, et al. **Arkh Anat Gistol Embriol** 1984 Oct;87(10):5-13 **(Rus)**

[The role of the relaxation properties of muscles in the formation of movement] Bogdanov VA. **Biofizika** 1985 Jan-Feb;30(1):145-8 (Eng. Abstr.) **(Rus)**

[Detection of isoenergetic discreteness in various rhythmic movements] Bogdanov VA. **Biofizika** 1984 Nov-Dec; 29(6):1053-7 (Eng. Abstr.) **(Rus)**

[Role of the commissural channels of the somatosensory system in the conduction of feedback signals during the control of voluntary movements] Fedan VA, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):387-90 (Eng. Abstr.) **(Rus)**

[Relation between the perception of the position of body parts and movement] Gurfinkel' VS, et al. **Fiziol Cheloveka** 1985 Jan-Feb;11(1):7-11 **(Rus)**

[Relationship of spontaneous locomotor rhythm and locomotion] Budakova NN. **Fiziol Zh SSSR** 1985 Apr; 71(4):480-7 (Eng. Abstr.) **(Rus)**

[Catecholamine concentration and adenyl cyclase and phosphodiesterase activities of the sarcolemma of myocardial cells during hypokinesia and in experimental information neuroses] Khananashvili MM, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1214-20 (Eng. Abstr.) **(Rus)**

[Possible neurophysiological and neurochemical mechanisms for participation of the striatum in initiating and regulating involuntary movement] Shapovalova KB. **Fiziol Zh SSSR** 1985 May;71(5):537-53 (67 ref.) **(Rus)**

[Device for determining the spatial coordination of arm movements] Kutsenko GI, et al. **Gig Sanit** 1984 Sep; (9):49-51 **(Rus)**

[Dynamics of morphologic changes in joint innervation during hypokinesia--a space flight model factor] Drobyshev VI, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):43-9 (Eng. Abstr.) **(Rus)**

[Effect of 1,25-dihydroxyvitamin D3 and 24,25-dihydroxyvitamin D3 on growth and remodeling of rat bones during hypokinesia (histomorphometric study)] Kabitskaia OE, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):49-55 (Eng. Abstr.) **(Rus)**

[Effect of water-salt dietary supplements on tolerance to head-pelvis acceleration after 7 days of 'dry' immersion and during normal motor activity] Kokova NI. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):33-7 (Eng. Abstr.) **(Rus)**

[Dynamics of several indices of carbohydrate and lipid metabolism during the period of readaptation after prolonged restriction of movement] Lobova TM, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):55-8 (Eng. Abstr.) **(Rus)**

[Bile-forming function of the liver in the white rat] Panasiuk EN, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug; 18(4):58-62 (Eng. Abstr.) **(Rus)**

[Effect of short-term hypokinesia on the response of the opioid system in the rat] Tigranian RA, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):63-6 (Eng. Abstr.) **(Rus)**

[Role of the reticular formation in regulating movement. Several intrareticular mechanisms and functional properties of the reticulospinal system] Pavlasek Iu, et al. **Neirofiziologiia** 1984;16(5):637-51 (Eng. Abstr.) **(Rus)**

[The concept of the self-movement of living nature as a methodological basis for the dialectics of biomedical knowledge] Boltenkov EM. **Vestn Akad Med Nauk SSSR** 1985;(5):36-42 **(Rus)**

[Motor function compensation in patients with infantile residual encephalopathy and epilepsy following hemispherectomy] Bein BN. **Zh Vopr Neirokhir** 1984 Sep-Oct;(5):50-8 (Eng. Abstr.) **(Rus)**

[Central integration of motor function in the body. Prognostic considerations] Podivinský F, et al. **Cesk Neurol Neurochir** 1985 May;48(3):133-44 (109 ref.) **(Slo)**

[Rotational behavior: role of the pulvinar-lateralis posterior nucleus complex] Motles E, et al. **Rev Med Chil** 1984 Sep; 112(9):948-50 **(Spa)**

DRUG EFFECTS

Differential elevation by protriptyline and depression by diazepam of upper airway respiratory motor activity. Bonora M, et al. **Am Rev Respir Dis** 1985 Jan;131(1):41-5

Ethanol-induced changes in body sway in men at high alcoholism risk. Schuckit MA. **Arch Gen Psychiatry** 1985 Apr;42(4):375-9

Differential sensory and motor blockade after spinal cocaine in the rat and marmoset. Bahar M, et al. **Eur J Anaesthesiol** 1984 Mar;1(1):31-6

Effects of triiodothyronine on the 5-hydroxytryptophan-induced head twitch and its potentiation by antidepressants in mice. Brochet D, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):411-4

Antinociceptive models displaying peripheral opioid activity. Smith TW, et al. **Int J Tissue React** 1985;7(1):61-7

Hymenolepis diminuta: behavioral effects of 5-hydroxytryptamine, acetylcholine, histamine and somatostatin. Sukhdeo MV, et al. **J Parasitol** 1984 Oct; 70(5):682-8

Behavioral and biochemical evidence of apomorphine-induced supersensitivity of the striatal dopamine receptors. Deshaies P, et al. **Neuropharmacology** 1984 Oct;23(10):1219-22

Reduced head-twitch response to quipazine of rats previously treated with methiothepin: possible involvement of dopaminergic system. Dall'Olio R, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):43-8

Rotation and postural deviation elicited by microinjections of dopamine into medial and lateral regions of dorsal striatum. Joyce JN, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):979-81

Bicuculline activation of embryonic spontaneous motility. Sedláček J. **Physiol Bohemoslov** 1985;34(1):33-9

[Video-cholangiographic study of the effect of the Chinese medicinal herb prescription--Li dan pai shi decoction--on biliary dynamics] Deng XJ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Jun;5(6):338-40, 323 (Eng. Abstr.) **(Chi)**

RADIATION EFFECTS

The photomovement of Caenorhabditis elegans, a nematode which lacks ocelli. Proof that the response is to light not radiant heating. Burr AH. **Photochem Photobiol** 1985 May; 41(5):577-82

MOVEMENT DISORDERS

see related
PSYCHOMOTOR DISORDERS

A new mutant strain of Syrian hamster with myelin deficiency. Nunoya T, et al. **Acta Neuropathol (Berl)** 1985; 65(3-4):305-12

Symposium on movement disorders. **Neurol Clin** 1984 Aug; 2(3):415-634

CEREBROSPINAL FLUID

Can CSF measures distinguish among schizophrenia, depression, movement disorders, and dementia? Stahl SM. **Psychopharmacol Bull** 1985;21(3):396-9

CHEMICALLY INDUCED

Striatal neurochemical changes and motor dysfunction in mipafox-treated animals. Matin MA, et al. **Methods Find Exp Clin Pharmacol** 1985 Feb;7(2):79-81

Akinesia after locally applied morphine near the nucleus raphe pontis of the rat. Broekkamp CL, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):313-8

Pyrethroid structure-toxicity relationships in mammals. Gray AJ. **Neurotoxicology** 1985 Summer;6(2):127-37 (21 ref.)

Development of tolerance to the wet-dog shake behaviour but not the increase in seizure threshold induced by L-5-hydroxytryptophan during continued treatment in rats. Pagliusi SR, et al. **Psychopharmacology (Berlin)** 1985; 86(1-2):118-24

[Encephalopathy with asterixis induced by sodium valproate. Role of hyperammonemia without hepatic insufficiency (letter)] Gastaut JL, et al. **Presse Med** 1985 Feb 16;14(7):431 **(Fre)**

CLASSIFICATION

Movement disorders and objective measurements [letter] Young RR. **Arch Neurol** 1985 Oct;42(10):932

COMPLICATIONS

Myocarditis with transient left ventricular apical dyskinesis. Pasquini JA, et al. **Am Heart J** 1985 Feb;109(2):371-3

Lagophthalmos in acquired oculomotor synkinesis. Safran AB, et al. **Am J Ophthalmol** 1984 Dec 15;98(6):747-50

Deficient motor synchrony in schizophrenic disorders: clinical correlates. Manschreck TC, et al. **Biol Psychiatry** 1985 Sep;20(9):990-1002

Attacks of trigeminal pain associated with buccolingual dyskinesias [letter] Toglia JU. **Headache** 1984 Sep;24(5):279

Cervical headache. Bogduk N, et al. **Med J Aust** 1985 Sep 2;143(5):202, 206-7

[Case of hepatic coma with lateral conjugate deviation of gaze] Cammarata S, et al. **Riv Neurol** 1984 Sep-Oct; 54(5):335-9 (Eng. Abstr.) **(Ita)**

[A case of systemic lupus erythematosus with akinesia, muscle rigidity and neurogenic bladder] Nagaoka S, et al. **Ryumachi** 1984 Oct;24(5):382-8 (Eng. Abstr.) **(Jpn)**

[Changes in the nervous system after long-term immobilization] Krupina TN, et al. **Sov Med** 1984;(8):27-31 (Eng. Abstr.) **(Rus)**

[Variants of movement disorders within the psychopathologic structure of borderline neuropsychiatric diseases in young children] Kirichenko EI, et al. **Zh Nevropatol Psikhiatr** 1984;84(10):1510-4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

A method for two dimensional multi-segmental kinematic and kinetic analysis of normal and pathological human gait. van Best JA, et al. **Med Prog Technol** 1983-84;10(3):143-59

Disorderly walks. Grimm RJ. **Neurol Clin** 1984 Aug; 2(3):615-31

Disorders of eye movements. Zee DS, et al. **Neurol Clin** 1983 Nov;1(4):909-28 (76 ref.)

Variability of outcome in Joubert syndrome. Casaer P, et al. **Neuropediatrics** 1985 Feb;16(1):43-5

Automated measurement systems for clinical motion analysis. Medeiros J. **Phys Ther** 1984 Dec;64(12):1846-50

Involuntary disorders of movement in chronic schizophrenia--the role of the illness and its treatment. Owens DG. **Psychopharmacology [Suppl]** 1985;2:79-87

[Cerebral palsy at 1 year of age. Proposal for evaluating motor disorders] Grenier A. **Ann Pediatr (Paris)** 1985 Jan; 32(1):47-51 (Eng. Abstr.) **(Fre)**

[Orofacial dyskinesias from the psychosomatic viewpoint] Fleischer-Peters A, et al. **Fortschr Kieferorthop** 1985 Jun; 46(3):181-90 (Eng. Abstr.) **(Ger)**

[Clinical value of neurologic methods used in the detection of mild motor deficits] Glós J, et al. **Cesk Neurol Neurochir** 1984 Sep;47(5):323-7 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Extrapyramidal effects of benzamides. Chouza C, et al. **Adv Biochem Psychopharmacol** 1985;40:43-6

Gamma-vinyl-GABA treatment of tardive dyskinesia and other movement disorders. Stahl SM, et al. **Biol Psychiatry** 1985 Aug;20(8):888-93

Coprolalia associated with hemiballismus: response to tetrabenazine. Martí-Massó JF, et al. **Clin Neuropharmacol** 1985;8(2):189-90

Possible therapeutic applications of antagonists of excitatory amino acid neurotransmitters. Meldrum B. **Clin Sci** 1985 Feb;68(2):113-22 (135 ref.)

Tetrabenazine (Nitoman) therapy of chronic spontaneous oral dyskinesia. A video- and EMG-controlled study. Bartels M, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(3):172-4

Haloperidol in hemichorea-hemiballismus [letter] Emre M, et al. **J Neurol** 1984;231(5):280

Involuntary movement disorders. Still CN. **Neurol Clin** 1984 Feb;2(1):71-89 (88 ref.)

Motor function in the normal aging population: treatment with levodopa. Newman RP, et al. **Neurology** 1985 Apr; 35(4):571-3

Periodic leg movements in sleep: effect of clonazepam treatment. Ohanna N, et al. **Neurology** 1985 Mar; 35(3):408-11

Oro-facial dyskinesia treatment with the neuroleptic pimozide (Orap). Siegmund R, et al. **Ther Hung** 1982; 30(2):97-8

[Our experience with naloxone in standard neurosurgical practice] Lajoix M, et al. **Agressologie** 1984 May; 25(6):709-12 (Eng. Abstr.) **(Fre)**

[The influence of thyrotropin releasing hormone on the abnormal ocular movements of the brainstem involvement] Yamamoto H, et al. **Rinsho Shinkeigaku** 1985 Apr; 25(4):385-92 (Eng. Abstr.) **(Jpn)**

[Hemiballism treated with valproic acid: report of 2 cases] Kouyoumdjian JA. **Arq Neuropsiquiatr** 1984 Sep; 42(3):274-6 (Eng. Abstr.) **(Por)**

ETIOLOGY

Eye movements in patients with absent voluntary horizontal gaze. Baloh RW, et al. **Ann Neurol** 1985 Mar;17(3):283–6

Disturbance of smooth pursuit caused by infarction of occipitoparietal cortex. Leigh RJ, et al. **Ann Neurol** 1985 Feb;17(2):185–7

Repetitive involuntary movement associated with episodic cerebral ischemia. Yanagihara T, et al. **Ann Neurol** 1985 Aug;18(2):244–50

Behavior modification of abnormal gait and chronic pain secondary to somatization disorder. Klein MJ, et al. **Arch Phys Med Rehabil** 1985 Feb;66(2):119–22

Oculomotor anomalies. Huber A. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):53–61

Persistent hemiballismus with lesions outside the subthalamic nucleus. Lang AE. **Can J Neurol Sci** 1985 May;12(2):125–8

Extrapyramidal movements in a patient with tuberculous meningitis. An early clue to diagnosis. Babikian VL, et al. **Clin Pediatr (Phila)** 1985 Feb;24(2):113–5

Effects of a commercial soy lecithin preparation on development of sensorimotor behavior and brain biochemistry in the rat. Bell JM, et al. **Dev Psychobiol** 1985 Jan;18(1):59–66

Cases of snapping finger originating in tendovaginitis of extensor digiti quinti proprius tendon. Yamaguchi T, et al. **Hiroshima J Med Sci** 1984 Dec;33(4):755–8

Motor control in humans with large-fiber sensory neuropathy. Sanes JN, et al. **Hum Neurobiol** 1985; 4(2):101–14

Flexicollis and 'floppy head' syndrome [letter] Johnson EW. **JAMA** 1985 Jun 7;253(21):3091

Transient dyskinesia and cerebral ischemia [letter] Stark SR. **Neurology** 1985 Mar;35(3):445

Limb shaking--a carotid TIA. Baquis GD, et al. **Stroke** 1985 May–Jun;16(3):444–8

[Conference at the Salpêtrière. 7 March 1984. Paralysis of cranial nerves, paresthesia and motor disorders of the limbs developing by regressive outbreaks over 19 years] Bousser MG, et al. **Rev Neurol (Paris)** 1985;141(4):327–35 **(Fre)**

[Isolated ipsilateral lateropulsion caused by bulbar hematoma] Hommel M, et al. **Rev Neurol (Paris)** 1985;141(1):53–4 (Eng. Abstr.) **(Fre)**

[Conference at the Salpêtrière. Progressive cerebellar astasia, tendinous areflexia, abnormal movements and inflammatory cerebrospinal fluid in a 77-year-old woman] Lapresle J, et al. **Rev Neurol (Paris)** 1984;140(12):746–51 **(Fre)**

[Sensori-motor neuropathy in rheumatoid polyarthritis. Anatomo-clinical study] Duboureau J, et al. **Rev Rhum Mal Osteoartic** 1985 May;52(5):329–31 **(Fre)**

[Orofacial dyskinesias as an expression of a disturbed relationship of breathing, digestion and movement] von Treuenfels H. **Fortschr Kieferorthop** 1985 Jun;46(3):191–206 (Eng. Abstr.) **(Ger)**

[A case of intracranial malignant lymphoma with pure akinesia and repeated regression on CT scans] Suzuki T, et al. **No To Shinkei** 1984 Jul;36(7):689–96 (Eng. Abstr.) **(Jpn)**

[Neuropathological picture of intensive linguofacial dyskinesia] Kida E, et al. **Neuropatol Pol** 1984;22(3):387–97 (Eng. Abstr.) **(Pol)**

[Asterixis as a neurologic manifestation of hypophosphatemia (letter)] Subías Sobrevía R, et al. **Med Clin (Barc)** 1984 Nov 10;83(15):651 **(Spa)**

FAMILIAL & GENETIC

Evidence that Charcot-Marie-tooth disease with tremor coincides with the Roussy-Levy syndrome. Barbieri F, et al. **Can J Neurol Sci** 1984 Nov;11(4 Suppl):534–40

METABOLISM

Common neural mechanisms in experimental chorea and hemiballismus in the monkey. Evidence from 2-deoxyglucose autoradiography. Mitchell IJ, et al. **Brain Res** 1985 Jul 29;339(2):346–50

Neurochemical anatomy of movement disorders. Young AB, et al. **Neurol Clin** 1984 Aug;2(3):417–33 (130 ref.)

Changes in substance P and somatostatin in the spinal cord after traumatic spinal injury in the rat. Faden AI, et al. **Neuropeptides** 1985 Jun;6(3):215–25

[Carbohydrates and lipids in the blood serum and liver of rats during recovery from 15-hour hypokinesia] Potapov PP, et al. **Kosm Biol Aviakosm Med** 1984 Sep–Oct; 18(5):87–8 **(Rus)**

OCCURRENCE

A prevalence survey of Parkinson's disease and other movement disorders in the People's Republic of China. Li SC, et al. **Arch Neurol** 1985 Jul;42(7):655–7

Neurological morbidity in newborn twins. Kragt H, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Feb;19(2):75–9

Spontaneous and tardive dyskinesias: clinical and laboratory studies. Casey DE. **J Clin Psychiatry** 1985 Apr;46(4 Pt 2):42–7

PATHOLOGY

Chemical and structural changes in the brain in patients with movement disorder. Cross AJ, et al. **Psychopharmacology [Suppl]** 1985;2:104–10

[Morphological study of the hypothalamus and hypophysis of Macaca mulatta after experimental antiorthostatic hypokinesia] Alekseev EI, et al. **Kosm Biol Aviakosm Med** 1984 Sep–Oct;18(5):78–81 **(Rus)**

[Changes in the nephrons and juxtaglomerular apparatus of the kidneys of monkeys after antiorthostatic hypokinesia] Pankova AS, et al. **Kosm Biol Aviakosm Med** 1984 Sep–Oct; 18(5):83–6 **(Rus)**

[Adrenal reactions of monkeys to antiorthostatic hypokinesia] Savina EA, et al. **Kosm Biol Aviakosm Med** 1984 Sep–Oct; 18(5):30–4 (Eng. Abstr.) **(Rus)**

[Reactions of the lymphoid organs of the rat to acute stress in hypokinesia] Vorotnikova EV. **Kosm Biol Aviakosm Med** 1984 Sep–Oct;18(5):50–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Further observations showing the impact of the probenecid test in movement disorders. Vanderheyden JE, et al. **Acta Neurol Belg** 1985 May–Jul;85(3):171–81

Unilateral hemispheric injury and ipsilateral instinctive grasp reaction. Mori E, et al. **Arch Neurol** 1985 May;42(5):485–8

Repetitive head movements during REM sleep. Gagnon P, et al. **Biol Psychiatry** 1985 Feb;20(2):176–8

Fatigue and contraction of slow and fast muscles in hypokinetic/hypodynamic rats. Fell RD, et al. **J Appl Physiol** 1985 Jan;58(1):65–9

Computer/video analysis of movement disorders. Rogers GW, et al. **J Audiov Media Med** 1985 Jul;8(3):101–7

The pathophysiology of movement disorders. Marsden CD. **Neurol Clin** 1984 Aug;2(3):435–59 (29 ref.)

Directional hypokinesia: prolonged reaction times for leftward movements in patients with right hemisphere lesions and neglect. Heilman KM, et al. **Neurology** 1985 Jun;35(6):855–9

Gait apraxia in normal-pressure hydrocephalus: patterns of movement and muscle activation. Knutsson E, et al. **Neurology** 1985 Feb;35(2):155–60

Ocular dipping [letter] van Weerden TW, et al. **Neurology** 1985 Jan;35(1):135

Biomechanics in clinical practice. Deusinger RH. **Phys Ther** 1984 Dec;64(12):1860–8

Reliability of observational kinematic gait analysis. Krebs DE, et al. **Phys Ther** 1985 Jul;65(7):1027–33

Experimental dyskinesias of the jaw: central and oral induction of the periodontal-masseteric reflex in the rat. Sundén-Kuronen B. **Proc Finn Dent Soc** 1984;80 Suppl 9–11:1–40

[Long-term antiorthostasis (-90 degrees) of animals as a model of critical disorders of homeostasis] Bogomolov VV, et al. **Kosm Biol Aviakosm Med** 1984 Sep–Oct;18(5):34–8 (Eng. Abstr.) **(Rus)**

[Effect of 120-day antiorthostatic hypokinesia on gas exchange and pulmonary circulation in humans] Vorob'ev VE, et al. **Kosm Biol Aviakosm Med** 1984 Sep–Oct; 18(5):23–6 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psychosomatic aspects of movement disorders. Cummings JL. **Adv Psychosom Med** 1985;13:111–32 (118 ref.)

RADIOGRAPHY

CT scan detection on focal haemorrhage in subthalamic nucleus in hemiballismus. Dhanaraj M, et al. **J Assoc Physicians India** 1984 May;32(5):453–4

RADIONUCLIDE IMAGING

Positron emission tomography in movement disorders. Martin WR. **Can J Neurol Sci** 1985 Feb;12(1):6–10 (22 ref.)

REHABILITATION

[Psychotherapeutic possibilities in patients with definitive movement disorders] Fejes A. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Feb;37(2):101–6 (Eng. Abstr.) **(Ger)**

[Rehabilitation of movement disorders using functional biocontrol approaches] Bogdanov OV, et al. **Zh Nevropatol Psikhiatr** 1985;85(3):359–65 (Eng. Abstr.) **(Rus)**

SURGERY

Stereotactic surgery: often an alternative to craniotomy. Temple AP. **AORN J** 1984 Oct;40(4):543–50

[Surgical mobilization of subtotal rigidity of the knee. Technics and results. Postoperative hydropneumoarthrotherapy] Zanasi R, et al. **Chir Organi Mov** 1984;69(4):329–34 (Eng. Abstr.) **(Ita)**

THERAPY

[Appliance therapy of orofacial dyskinesias in cerebral palsy patients] Haberfellner H, et al. **Fortschr Kieferorthop** 1985 Jun;46(3):224–32 (Eng. Abstr.) **(Ger)**

MOXALACTAM

ADMINISTRATION & DOSAGE

Penetration of moxalactam and cefazolin into atrial appendage after simultaneous intramuscular or intravenous administration. Polk RE, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):201–3

Moxalactam and piperacillin: a study of in vitro characteristics and pharmacokinetics in cancer patients. Drusano GL, et al. **Infection** 1985 Jan–Feb;13(1):20–6

Impact of single dose as compared to three dose prophylaxis with latamoxef (moxalactam) on the colonic microflora in patients undergoing colorectal surgery. Kager L, et al. **J Antimicrob Chemother** 1984 Aug;14(2):171–7

ADVERSE EFFECTS

Disulfiram-like reaction to moxalactam after celiac plexus alcohol block [letter] Umeda S, et al. **Anesth Analg** 1985 Mar;64(3):377

Clinical risk factors for prolonged PT/PTT in abdominal sepsis patients treated with moxalactam or tobramycin plus clindamycin. Baxter JG, et al. **Ann Surg** 1985 Jan; 201(1):96–102

Moxalactam disodium-induced pulmonary hemorrhage. Brandstetter RD, et al. **Chest** 1984 Oct;86(4):644–5

Severe bleeding diathesis associated with moxalactam administration. Meisel S. **Drug Intell Clin Pharm** 1984 Sep; 18(9):721–2

Cephalosporin induced coagulopathies. Seeler RA, et al. **IMJ** 1984 Nov;166(5):351–3 (15 ref.)

A high incidence of bleeding is observed in a trial to determine whether addition of metronidazole is needed with latamoxef for prophylaxis in colorectal surgery. Morris DL, et al. **J Hosp Infect** 1984 Dec;5(4):398–408

ANALYSIS

A new fluorometric method for latamoxef in biological materials using 2,6-diamino-3-nitrosopyridine. Matsuura A, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):667–73

Pulmonary disposition of moxalactam. Braude AC, et al. **Chest** 1984 Dec;86(6):881–3

Epimerization kinetics of moxalactam, its derivatives, and carbenicillin in aqueous solution. Hashimoto N, et al. **J Pharm Sci** 1985 Jan;74(1):68–71

BLOOD

Comparative pharmacokinetics of four new cephalosporins: moxalactam, cefotaxime, cefoperazone and ceftazidime in neonates. Bégué P, et al. **Dev Pharmacol Ther** 1984;7 Suppl 1:105–8

[Fundamental and clinical studies on latamoxef in the perinatal period] Takase Z, et al. **Jpn J Antibiot** 1984 Jun; 37(6):991–1005 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

Pharmacokinetics in the cerebrospinal fluid after simultaneous administration of latamoxef and ampicillin to rabbits with staphylococcal meningitis. Okura K, et al. **Jpn J Antibiot** 1984 Sep;37(9):1637–46

[Levels of Latamoxef (moxalactam) in cerebrospinal fluid of newborns and premature newborns (letter)] von Loewenich V, et al. **Infection** 1985 Mar–Apr;13(2):87–8 **(Ger)**

METABOLISM

Pharmacokinetic study of moxalactam in patients undergoing gynecologic operations. Rettenmaier MA, et al. **Am J Obstet Gynecol** 1984 Dec 1;150(7):882–4

Comparison of the pharmacokinetics of ceftazidime and moxalactam and their microbiological correlates in volunteers. Drusano GL, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):388–93

Moxalactam penetration into normal heart valve, cardiac vegetations, and myocardium in relation to protein binding and physiological distribution spaces. Fitzpatrick BC, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):228–30

Covalent binding of moxalactam to cephalosporinase of Citrobacter freundii. Murakami K, et al. **Antimicrob Agents Chemother** 1985 May;27(5):727–32

Comparative pharmacokinetics of ceftazidime and moxalactam. Tjandramaga TB, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):237–41

Penetration and clearance of cefoperazone and moxalactam in pleural fluid. Yamada H, et al. **Antimicrob Agents Chemother** 1985 Jan;27(1):93–5

Investigation of human bile and serum levels by high pressure liquid chromatography after administration of latamoxef or cefotaxime. Krausse R, et al. **Arzneimittelforsch** 1984; 34(12):1787–91

Penetration of latamoxef, cefoperazone and piperacillin into the sputum of patients with cystic fibrosis. Laferriere C, et al. **Chemotherapy** 1985;31(4):255–60

Salivary penetration of moxalactam. Casto DT, et al. **Clin Pharm** 1985 Jan–Feb;4(1):67–70

Moxalactam epimer disposition in patients undergoing continuous ambulatory peritoneal dialysis. Morse G, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):150–6

Binding of latamoxef (moxalactam) and its decarboxylated derivative to Escherichia coli and Pseudomonas aeruginosa penicillin-binding proteins. Labia R, et al. **J Antimicrob Chemother** 1985 Jan;15(1):9–15

[Concentration level of latamoxef sodium (LMOX) in prostatic tissue] Takao M, et al. **Hinyokika Kiyo** 1985 Mar; 31(3):539–43 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic and clinical studies of latamoxef (moxalactam) in neonates and premature infants] Fujii R, et al. **Jpn J Antibiot** 1984 Jun;37(6):973–90 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Influence of cefmenoxime, ceftriaxone, latamoxef, and ceftazidime on the lysis of Klebsiella pneumoniae: a light and electron microscopic study. Ullmann U, et al. **Am J Med** 1984 Dec 21;77(6A):21–4

Comparative efficacies of ceftriaxone, moxalactam, and ampicillin in experimental Salmonella typhimurium infection. Anton PA, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):312–5

Effect of temocillin and moxalactam on platelet responsiveness and bleeding time in normal volunteers. Nunn B, et al. **Antimicrob Agents Chemother** 1985 May;27(5):858–62

Establishment of MICs of moxalactam for control and reference anaerobic organisms in agar dilution and microdilution techniques. Sutter VL, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):424–6

In vitro antimicrobial activity and beta-lactamase stability of moxalactam, a new 1-oxa-cephalosporin. Blandino G, et al. **Chemioterapia** 1984 Apr;3(2):108–15

Latamoxef in combination with aminoglycosides against Pseudomonas aeruginosa: similarity with ticarcillin. Sears SD, et al. **Chemotherapy** 1985;31(2):102–11

Increased minimum inhibitory concentrations with anaerobiasis for tobramycin, gentamicin, and amikacin, compared to latamoxef, piperacillin, chloramphenicol, and clindamycin. Tack KJ, et al. **Chemotherapy** 1985;31(3):204–10

The serum bactericidal activity of latamoxef (moxalactam), cefoperazone and cefotaxime. McNamee W, et al. **J Antimicrob Chemother** 1984 Nov;14(5):491–7

Effects of latamoxef and methyltetrazolethiol on gamma-glutamylcarboxylase activity. Uchida K, et al. **Jpn J Pharmacol** 1984 Jul;35(3):330–3

[Efficacy of tinidazole against anaerobes in comparison with metronidazole, ornidazole, cefoxitin and lamoxactam] Werner H, et al. **Immun Infekt** 1983 Jun;11(4):143–7 (Eng. Abstr.) **(Ger)**

['In vitro' sensitivity of gram-negative bacteria in comparisons of moxalactam, cephaloridine, cefotaxime, piperacillin and tobramycin] Gioia L, et al. **G Batteriol Virol Immunol** 1983 Jul–Dec;76(7–12):207–13 **(Ita)**

THERAPEUTIC USE

Moxalactam versus clindamycin plus tobramycin in the treatment of obstetric and gynecologic infections. Sweet RL, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):808–17

Examination of gram-negative bacilli from meningitis patients who failed or relapsed on moxalactam therapy. Eng RH, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):850–6

Timentin versus piperacillin or moxalactam in the therapy of acute bacterial infections. File TM Jr, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):310–3

Comparison of moxalactam and cefazolin as prophylactic antibiotics during cesarean section. Rayburn W, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):337–9

Evaluation of latamoxef as initial therapy of bone and joint infections in childhood. Aronoff SC, et al. **Chemotherapy** 1984;30(5):337–44

Twice-daily moxalactam versus gentamicin and clindamycin in patients with penetrating abdominal trauma. Crots LD, et al. **Clin Pharm** 1985 May–Jun;4(3):316–20

Moxalactam as an alternative to gentamicin in the treatment of clinically infected neonates. de Louvois J, et al. **Dev Pharmacol Ther** 1984;7 Suppl 1:100–4

Comparison of the effectiveness of moxalactam and cefazolin in the prevention of infection in patients undergoing abdominal operations. Plouffe JF, et al. **Diagn Microbiol Infect Dis** 1985 Jan;3(1):25–31

Moxalactam therapy of serious pediatric infections. Reed MD, et al. **Drug Intell Clin Pharm** 1984 Sep;18(9):723–6

A multiclinic randomized study of the comparative efficacy, safety and tolerance of imipenem/cilastatin and moxalactam. Calandra GB, et al. **Eur J Clin Microbiol** 1984 Oct;3(5):478–87

Treatment of neutropenic infection: a randomized trial comparing latamoxef (moxalactam) with cephradine plus tobramycin. Bezwoda WR, et al. **J Antimicrob Chemother** 1985 Feb;15(2):239–45

Newer beta-lactam antibiotics in the treatment of experimental Staphylococcus aureus endocarditis. Dhawan VK, et al. **J Antimicrob Chemother** 1984 Aug;14(2):165–9

Antimicrobial activity of latamoxef (moxalactam) against both Bacteroides fragilis and Escherichia coli in an intraperitoneal abscess model. Harris RW, et al. **J Antimicrob Chemother** 1984 Nov;14(5):499–508

A comparative trial of cefazolin and moxalactam as prophylaxis for preventing infection after abdominal hysterectomy. Tuomala RE, et al. **Obstet Gynecol** 1985 Sep;66(3):372–6

Moxalactam treatment of uncomplicated gonorrhea in women. Jones RB, et al. **Sex Transm Dis** 1984 Oct–Dec;11(4):287–90

Evidence for impaired hepatic vitamin K1 metabolism in patients treated with N-methyl-thiotetrazole cephalosporins. Bechtold H, et al. **Thromb Haemost** 1984 Jul 29;51(3):358–61

[Studies on the nephrotoxicity of aminoglycoside antibiotics and protection from these effects. (2). Protective effect of latamoxef against gentamicin nephrotoxicity] Kojima R, et al. **Nippon Yakurigaku Zasshi** 1984 Nov;84(5):463–9 (Eng. Abstr.) **(Jpn)**

MOXIBUSTION

The contribution of thermo-moxibustion to surgical treatment in transplanted mouse mammary carcinoma. Sternfeld M, et al. **Acupunct Electrother Res** 1985;10(1–2):73–8

Generation of acetyl glyceryl ether phosphorylcholine from the rat skin and muscle tissues stimulated by moxibustion. Nakayama R, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):629–34

An introduction to the study of acupuncture and moxibustion in China. Part II. Studies on acumoxibustion therapy. Jiao GR. **J Tradit Chin Med** 1984 Sep;4(3):169–76

An introduction to the study of acupuncture and moxibustion in China. Part III. Review of clinical studies on acupuncture and moxibustion. Kuang YH, et al. **J Tradit Chin Med** 1984 Dec;4(4):249–54 (61 ref.)

An introduction to the study of acupuncture and moxibustion in China. Part III. Review of clinical studies on acupuncture and moxibustion. Kuang YH, et al. **J Tradit Chin Med** 1985 Mar;5(1):67–76 (153 ref.)

Clinical observation on 111 cases of asthma treated by acupuncture and moxibustion. Shao JM, et al. **J Tradit Chin Med** 1985 Mar;5(1):23–5

An introduction to the study of acupuncture and moxibustion in China (Part I). Wang XT. **J Tradit Chin Med** 1984 Jun;4(2):85–90

ADVERSE EFFECTS

Moxibustion. Another traumatic folk remedy. Reinhart MA, et al. **Clin Pediatr (Phila)** 1985 Jan;24(1):58–9

HISTORY

Acupuncture points & use of moxibustion, found in the popular literature & paintings of 17th century Japan. Omura Y. **Acupunct Electrother Res** 1984;9(4):187–93

METHODS

Index for the standard nomenclature of Zhenjiu (acupuncture and moxibustion) points in alphabetic order. Wang D. **J Tradit Chin Med** 1984 Jun;4(2):161–6

MOXISYLYTE see **THYMOXAMINE**

MOYAMOYA DISEASE see under **ARTERIAL OCCLUSIVE DISEASES**

MSH

Cyclic melanotropins. Part VII: Modified ring structures--synthesis and biological activity. Lebl M, et al. **Int J Pept Protein Res** 1984 Nov;24(5):472–9

ANALOGS & DERIVATIVES

Prolonged stimulation of S91 melanoma tyrosinase by [Nle4, D-Phe7]-substituted alpha-melanotropins. Abdel Malek ZA, et al. **Cancer Res** 1985 Oct;45(10):4735–40

[Nle4, D-Phe7]-alpha-MSH: a superpotent melanotropin with prolonged action on vertebrate chromatophores. Hadley ME, et al. **Comp Biochem Physiol** [A] 1985;81(1):1–6

Synthesis and biological actions of highly potent and prolonged acting biotin-labeled melanotropins. Chaturvedi DN, et al. **J Med Chem** 1984 Nov;27(11):1406–10

Cyclic melanotropins. 9. 7-D-Phenylalanine analogues of the active-site sequence. Cody WL, et al. **J Med Chem** 1985 May;28(5):583–8

Synthesis and biological evaluation of the superagonist [N alpha-chlorotriazinylaminofluorescein-Ser1,Nle4,D-Phe7] pha-MSH. Chaturvedi DN, et al. **J Pharm Sci** 1985 Mar;74(3):237–40

Antipyretic activity of a potent alpha-MSH analog. Holdeman M, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):273–5

Effect of alpha-MSH 11-13 (lysine-proline-valine) on fever in the rabbit. Richards DB, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):815–7

ANALYSIS

gamma-Melanotropin is contained within neurons, nerve fibres and nerve endings of rat duodenum. Wolter HJ. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):448–53

Effects of serotonin depleters on the contents of beta-endorphin, alpha-melanotropin and adrenocorticotropin in rat brain and pituitary. Fukata J, et al. **Brain Res** 1984 Dec 24;324(2):289–93

Immunocytochemical localization of alpha-melanocyte-stimulating hormone in the brain of the lizard, Lacerta muralis. Vallarino M. **Cell Tissue Res** 1984;237(3):521–4

An Anolis skin melanophore assay suitable for photoaffinity labeling studies with alpha-MSH. Eberle AN, et al. **Experientia** 1985 May 15;41(5):654–6

Separation and partial characterization by high-performance liquid chromatography and radioimmunoassay of different forms of melanocyte-stimulating hormone from fish (Cyprinidae) neurointermediate lobes. Follénius E, et al. **Gen Comp Endocrinol** 1985 Feb;57(2):198–207

Reversed-phase high-performance liquid chromatography studies of alpha-MSH fragments. Cody WL, et al. **J Chromatogr** 1984 Nov 30;314:313–21

Presence of an alpha-melanocyte-stimulating hormone-like epitope in the 150,000 dalton neurofilament subunit from diverse regions of the central nervous system: an immunohistochemical and immunoblot study in guinea pig. Trojanowski JQ, et al. **J Histochem Cytochem** 1985 Sep;33(9):900–4

Characterization of alpha-melanocyte-stimulating hormone in rat pancreas. Hirsch MD, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):293–6

Regional heterogeneity in the ratio of alpha-MSH: beta-endorphin in rat brain. Millington WR, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):841–3

The distribution of alpha-melanocyte stimulating hormone (alpha-MSH) in the central nervous system of the rat: an immunohistochemical study. II. Lower brain stem. Yamazoe M, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):721–7

[Sensitivity to stress and alpha melanotropin in anterior pituitary cells in swine species. Preliminary study] Verstegen J, et al. **Ann Rech Vet** 1984;15(4):549–52 (Eng. Abstr.) **(Fre)**

[Melanocyte stimulating hormones in the central nervous system] Shiosaka S, et al. **Seikagaku** 1984 Sep;56(9):1133–7 (18 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Naloxone prevents the analgesic action of alpha-MSH in mice. Ohkubo T, et al. **Experientia** 1985 May 15;41(5):627–8

BLOOD

Immunoreactive ACTH and gamma-MSH in rat plasma during early stages of adrenal regeneration. Alfano J, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):E471–4

Stress-induced elevation of plasma alpha-MSH and endorphin in brown trout, Salmo trutta L. Sumpter JP, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):257–65

gamma 3-Melanocyte-stimulating hormone immunoreactivity is a component of the neuroendocrine response to maximal stress (cardiac arrest). Wortsman J, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):355–60

Plasma immunoreactive gamma melanotropin in patients with idiopathic hyperaldosteronism, aldosterone-producing adenomas, and essential hypertension. Griffing GT, et al. **J Clin Invest** 1985 Jul;76(1):163–9

Big form of gamma-melanotropin-like immunoreactivity in normal human plasma. Tanaka I, et al. **Peptides (Fayetteville)** 1984 Sep–Oct;5(5):913–6

Current concepts in premenstrual syndrome. Ullman LE. **RI Med J** 1985 Jun;68(6):269–72

[Effect of ultraviolet rays on alpha-MSH plasma concentration] Bartelt RN, et al. **Z Hautkr** 1984 Aug 15;59(16):1053–5 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

Quantification of the permeability of the blood-CSF barrier to alpha-MSH in the rat. Wilson JF, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):681–5

IMMUNOLOGY

alpha-MSH and neurofilament M-protein share a continuous epitope but not extended sequences. An explanation for neurofibrillary staining with alpha-MSH antibodies. Shaw G, et al. **FEBS Lett** 1985 Feb 25;181(2):343–6

METABOLISM

Fever-specific changes in central MSH and CRF concentrations. Holdeman M, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R125–9

Topographical distribution of pro-opiomelanocortin-derived peptides (ACTH/beta-END/alpha-MSH) in the rat median eminence. Kiss JZ, et al. **Brain Res** 1985 Mar 11;329(1–2):169–76

Analysis of the ACTH/beta-End/alpha-MSH-immunoreactive afferent input to the hypothalamic paraventricular nucleus of rat. Kiss JZ, et al. **Brain Res** 1984 Dec 17;324(1):91–9

Distribution of the pro-opiomelanocortin derived peptides, adrenocorticotrope hormone, alpha-melanocyte-stimulating hormone and beta-endorphin (ACTH, alpha-MSH, beta-END) in the rat hypothalamus. Mezey E, et al. **Brain Res** 1985 Mar 4;328(2):341–7

The descending alpha-MSHergic (alpha-melanocyte-stimulating hormone-ergic) projections from the zona incerta and lateral hypothalamic area to the inferior colliculus and spinal cord in the rat. Shiosaka S, et al. **Brain Res** 1985 Jul 15;338(2):371–5

Bilateral alpha-melanocyte stimulating hormonergic fiber system from zona incerta to cerebral cortex: combined retrograde axonal transport and immunohistochemical study. Shiosaka S, et al. **Brain Res** 1984 Sep 10;309(2):350–3

alpha-Melanotropin, beta-endorphin and adrenocorticotropin-like immunoreactivities are colocalized within duodenal myenteric plexus perikarya. Wolter HJ. **Brain Res** 1985 Jan 28;325(1–2):290–3

Enzymological studies of melanotropins. Castrucci AM, et al. **Comp Biochem Physiol [B]** 1984;78(3):519-24

The alpha-amidation of alpha-melanocyte stimulating hormone in intermediate pituitary requires ascorbic acid. Glembotski CC. **J Biol Chem** 1984 Nov 10;259(21):13041-8

Photoaffinity labelling of MSH receptors on Anolis melanophores: effects of catecholamines, calcium and forskolin. Eberle AN, et al. **J Recept Res** 1985;5(1):59-81

Acetylcholinesterase-containing cells in the lateral hypothalamic area are immunoreactive for alpha-melanocyte stimulating hormone (alpha-MSH) and have cortical projections in the rat. Köhler C, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):39-43

Evidence for an alpha-melanocyte stimulating hormonergic hippocampal commissural connection in the rat, revealed by a double-labeling technique. Shiosaka S, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):213-6

Relative stability of alpha-melanotropin and related analogues to rat brain homogenates. Akiyama K, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1191-5

Relationship of alpha MSH-specific neurons to the arcuate opiocortin neuronal system as determined by dual antigen immunocytochemical procedures. Piekut DT, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1089-95

Changes in hypothalamic and pituitary content of immunoreactive alpha-melanocyte-stimulating hormone during the gestational and postpartum periods in the rat. Khorram O, et al. **Proc Soc Exp Biol Med** 1984 Nov; 177(2):318-26

PHARMACODYNAMICS

Modification of bone formation rate by growth hormone, melanocyte-stimulating hormone, and cortisone in the normal rat. Aspenberg P, et al. **Acta Anat (Basel)** 1985; 121(2):84-8

Stimulation of aggression in male mice by alpha-MSH and its relation to light phase and to saline intake effects. Paterson AT, et al. **Behav Brain Res** 1985 May;15(3):183-9

Adrenocorticotrophic hormone and melanocyte stimulating hormone do not affect performance in hippocampus-lesioned or control pigeons. Sahgal A. **Behav Brain Res** 1984 Oct;14(1):9-15

Effects of massive doses of alpha-MSH on thermoregulation in the rabbit. Holdeman M, et al. **Brain Res Bull** 1985 Apr; 14(4):327-30

Cardiovascular mechanisms of gamma (gamma) 2-MSH. Callahan MF, et al. **Clin Exp Hypertens [A]** 1984; 6(10-11):1727-30

Gamma-2MSH is natriuretic in the rat. Lymangrover JR, et al. **Endocrinology** 1985 Mar;116(3):1227-9

Alpha-melanocyte-stimulating hormone stimulation of aldosterone secretion in hypophysectomized rats. Shenker Y, et al. **Endocrinology** 1985 Jan;116(1):138-41

Endogenous digitalis-like factors: in vitro comparison of biological and immunological activities of peptide and steroid candidates. Hnatowich M, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):567-75

Anchorage-independent growth of murine melanoma in serum-less media is dependent on insulin or melanocyte-stimulating hormone. Bregman MD, et al. **Exp Cell Res** 1985 Apr;157(2):419-28

Effects of oxytocin, vasotocin and alpha-MSH on renal function in the nonhuman primate. Wesley CR, et al. **Horm Res** 1985;21(1):55-9

Sympathetic nervous system mediation of acute cardiovascular actions of gamma 2-melanocyte-stimulating hormone. Callahan MF, et al. **Hypertension** 1985 May-Jun; 7(3 Pt 2):1145-50

Analysis of the antipyretic action of alpha-melanocyte-stimulating hormone in rabbits. Clark WG, et al. **J Physiol (Lond)** 1985 Feb;359:459-65

Calcium requirement for alpha-MSH action on melanophores: studies with forskolin. de Graan PN, et al. **J Recept Res** 1984;4(1-6):521-36

Pressor and cardioaccelerator effects of gamma MSH and related peptides. Klein MC, et al. **Life Sci** 1985 Feb 25; 36(8):769-75

Stimulation of S91 melanoma tyrosinase activity by superpotent alpha-melanotropins. Marwan MM, et al. **Mol Cell Endocrinol** 1985 Jul;41(2-3):171-7

Structural and conformational modifications of alpha MSH/ACTH4-10 provide melanotropin analogues with highly potent behavioral activities. Hirsch MD, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1197-201

Antipyretic activity of a potent alpha-MSH analog. Holdeman M, et al. **Peptides (Fayetteville)** 1985 Mar-Apr; 6(2):273-5

Alpha-MSH and coat color changes in the mouse. Thody AJ, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1031-6

alpha-MSH and Pro-Leu-Gly-NH2 (PLG; MIF-1): influence on dopamine (DA) uptake in crude synaptosomal preparations from rat mediobasal hypothalamus (MBH) and caudate putamen (CP). Torre E, et al. **Peptides (Fayetteville)** 1984 Jul-Aug;5(4):669-74

The effects of MIF-I, beta-endorphin and alpha-MSH on d-amphetamine induced paradoxical behavioral thermoregulation: possible involvement of the dopaminergic system. Yehuda S, et al. **Peptides (Fayetteville)** 1985 Mar-Apr;6(2):189-92

Sites of action of beta-melanocyte stimulating hormone in aldosterone biosynthesis in the rat. Yamakado M, et al. **Proc Soc Exp Biol Med** 1985 Jul;179(3):318-23

Modulation of spinal synaptic transmission by beta-melanocyte stimulating hormone (beta-MSH). Krivoy WA, et al. **Psychoneuroendocrinology** 1985;10(1):103-8

PHYSIOLOGY

The involvement of melanotrophins in physiological colour change in the dogfish Scyliorhinus canicula. Sumpter JP, et al. **Gen Comp Endocrinol** 1984 Dec;56(3):360-7

Suppression of basal and stress-induced prolactin release and stimulation of luteinizing hormone secretion by alpha-melanocyte-stimulating hormone. Newman CB, et al. **Life Sci** 1985 Apr 29;36(17):1661-8

Pharmacological and ionic features of gamma-aminobutyric acid receptors influencing electrical properties of melanotrophs isolated from the rat pars intermedia. Taraskevich PS, et al. **Neuroscience** 1985 Jan;14(1):301-8

Opiomelanocortins and behavioral adaptation. Bohus B. **Pharmacol Ther** 1984;26(3):417-51 (238 ref.)

Physiological role of alpha-melanocyte-stimulating hormone in modulating the secretion of prolactin and luteinizing hormone in the female rat. Khorram O, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):8004-8

The alpha MSH-specific and arcuate pro-opiomelanocortin neuronal systems of the hypothalamus: observations on their connectivity and response to colchicine treatment. Knigge KM, et al. **Psychopharmacol Bull** 1985;21(3):472-5

[A possible function of melanocyte-stimulating hormone in mammals] Celis ME, et al. **Medicina (B Aires)** 1983;43(6 Pt 2):879-91 **(Spa)**

SECRETION

Release of alpha-MSH from the in vitro superfused neuro-intermediate lobe of the pituitary of the rat by antidiuretic hormone. Howe A, et al. **Indian J Physiol Pharmacol** 1984 Oct-Dec;28(4):283-90

The effect of gamma-type endorphins on alpha-MSH release in the rat. de Rotte AA, et al. **Life Sci** 1985 Jul 22; 37(3):263-71

Effects of veratridine, tetrodotoxin and other drugs that alter electrical behaviour on secretion of melanocyte-stimulating hormone from melanotrophs of the pituitary pars intermedia. Tomiko SA, et al. **Neuroscience** 1984 Aug; 12(4):1223-8

Effects of nicotine on beta-endorphin, alpha MSH, and ACTH secretion by isolated perfused mouse brains and pituitary glands, in vitro. Marty MA, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):317-25

[Endocrinological reactions following UV A whole body irradiation] Bartelt RN, et al. **Derm Beruf Umwelt** 1985; 33(2):50-5 (Eng. Abstr.) **(Ger)**

MSH RELEASE INHIBITING FACTOR see **MSH RELEASE INHIBITING HORMONE**

MSH RELEASE INHIBITING HORMONE

ANALOGS & DERIVATIVES

Active and inactive L-prolyl-L-leucyl glycinamide synthetic analogs in rat models of levodopa-treated Parkinson's disease. Case TC, et al. **Life Sci** 1985 Jul 1;36(26):2531-7

Pro-Leu-Gly-NH2 and pareptide inhibit development of tolerance to haloperidol catalepsy in the mouse. Mycroft FJ, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):883-7

A brain-to-blood carrier-mediated transport system for small, N-tyrosinated peptides. Banks WA, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):943-6

Some analogs of Tyr-MIF-1 affect passive avoidance behavior but not motor activity in rats. Hayashi T, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):809-12

Tyr-MIF-1 and MIF-1 are active in the water wheel test for antidepressant drugs. Kastin AJ, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):767-71

Tyr-MIF-1 acts as an opiate antagonist in the tail-flick test. Kastin AJ, et al. **Pharmacol Biochem Behav** 1984 Dec; 21(6):937-41

IMMUNOLOGY

Immunochemical recognition of oxytocin by antiserum to L-prolyl-leucyl-glycine amide. Watkins WB, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):283-8

PHARMACODYNAMICS

Pro-Leu-GlyNH2 affects dopamine and noradrenaline utilization in rat limbic-forebrain nuclei. van Heuven-Nolsen D, et al. **Brain Res** 1984 Nov 26; 322(2):213-8

Dose-dependent effects of prolyl-leucyl-glycinamide on morphine-induced analgesia, tolerance and dependence. Contreras PC, et al. **Eur J Pharmacol** 1984 Jun 15; 102(1):13-22

Striatal dopamine receptor function in morphine-tolerant dependent rats: influence of hypothalamic peptides. Bhargava HN. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:320-6

Mesolimbic and striatal dopamine receptor supersensitivity: prophylactic and reversal effects of L-prolyl-L-leucyl-glycinamide (PLG). Chiu P, et al. **Peptides (Fayetteville)** 1985 Mar-Apr;6(2):179-83

The effect of oxytocin and fragment (MIF-I) on the development of tolerance to hypothermic and hypnotic action of ethanol in the rat. Pucilowski O, et al. **Peptides (Fayetteville)** 1985 Jan-Feb;6(1):7-10

Prolyl-leucyl-glycinamide reduces aggression and blocks defeat-induced opioid analgesia in mice. Teskey GC, et al. **Peptides (Fayetteville)** 1985 Mar-Apr;6(2):165-7

alpha-MSH and Pro-Leu-Gly-NH2 (PLG; MIF-1): influence on dopamine (DA) uptake in crude synaptosomal preparations from rat mediobasal hypothalamus (MBH) and caudate putamen (CP). Torre E, et al. **Peptides (Fayetteville)** 1984 Jul-Aug;5(4):669-74

The effects of MIF-I, beta-endorphin and alpha-MSH on d-amphetamine induced paradoxical behavioral thermoregulation: possible involvement of the dopaminergic system. Yehuda S, et al. **Peptides (Fayetteville)** 1985 Mar-Apr;6(2):189-92

Antagonism of morphine analgesia by prolyl-leucyl-glycinamide (MIF-1) in humans. Ehrensing RH, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):975-8

Tyr-MIF-1 and MIF-1 are active in the water wheel test for antidepressant drugs. Kastin AJ, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):767-71

Comparative effects of prolyl-leucyl-glycinamide and naloxone on morphine-induced inhibition of gastrointestinal transit. Pillai NP, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):365-8

MSH RELEASING HORMONE

PHARMACODYNAMICS

Pro-Leu-Gly-NH2 and pareptide inhibit development of tolerance to haloperidol catalepsy in the mouse. Mycroft FJ, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):883-7

MU 1 PHAGE see **PHAGE MU 1**

MUCINS

Adsorption of human salivary mucins to hydroxyapatite. Tabak LA, et al. **Arch Oral Biol** 1985;30(5):423-7

Is the macromolecular architecture of cervical, respiratory and gastric mucins the same? Carlstedt I, et al. **Biochem Soc Trans** 1984 Aug;12(4):615-7

Studies on the molecular weight distributions of two mucins. Creeth JM, et al. **Biochem Soc Trans** 1984 Aug;12(4):618-21

Conformation of human mucus glycoproteins observed by electron microscopy. Roussel P, et al. **Biochem Soc Trans** 1984 Aug;12(4):617-8

The thermal depolymerization of porcine submaxillary mucin. Shogren RL, et al. **J Biol Chem** 1984 Dec 10; 259(23):14657-62

ANALYSIS

Mucosubstance histochemistry of the normal mucosa and epithelial neoplasms of the large intestine. Ono K, et al. **Acta Pathol Jpn** 1985 Mar;35(2):281-97

Intestinal water-soluble mucins in germfree, exgermfree and conventional animals. Gustafsson BE, et al **Acta Pathol Microbiol Immunol Scand [B]** 1984 Oct; 92(5):247-52

Early colonic dysplasia: comparison of differential mucin staining and tritiated thymidine labeling. Chabot JA, et al. **Am J Surg** 1985 Jan;149(1):133-9

Carbon nuclear magnetic resonance spectra of oligosaccharides isolated from human milk and ovarian cyst mucin. Bush CA, et al. **Anal Biochem** 1985 Feb 15; 145(1):124-36

Diurnal variation of sialomucin concentration in female mouse submandibular glands measured by radioimmunoassay. Denny PC, et al. **Arch Oral Biol** 1984; 29(12):1033-40

A study of mucus glycoproteins in secretory otitis media. Brown DT, et al. **Arch Otolaryngol** 1985 Oct; 111(10):688-95

Mucin histochemistry of cystitis glandularis and primary adenocarcinoma of the urinary bladder. Wells M, et al. **Arch Pathol Lab Med** 1985 Jan;109(1):59-61

Biochemical characterization of the component parts of intestinal mucin from patients with cystic fibrosis. Mantle M, et al. **Biochem J** 1984 Dec 1;224(2):345-54

Carbohydrate chains from human bronchial mucus glycoproteins: a wide spectrum of oligosaccharide structures. Lamblin G, et al. **Biochem Soc Trans** 1984 Aug; 12(4):599-600

Structural analysis of the carbohydrate chains of mucin-type glycoproteins by high-resolution 1H-n.m.r. spectroscopy. Van Halbeek H. **Biochem Soc Trans** 1984 Aug;12(4):601-5

The combination of normal-phase and reverse-phase high-pressure liquid chromatography with NMR for the isolation and characterization of oligosaccharide alditols from ovarian cyst mucins. Dua VK, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):29-40

Goblet cell changes during intestinal adaptation to azoxymethane and enteric bypass in the rat. Olubuyide IO, et al. **Br J Cancer** 1985 Mar;51(3):383-8

Immunoperoxidase localization of a high-molecular-weight mucin recognized by monoclonal antibody 1D3. Gangopadhyay A, et al. **Cancer Res** 1985 Apr; 45(4):1744-52

Laser photoacoustic microscopy for the determination of dye on a solid biopolymer. Wada K, et al. **Chem Pharm Bull (Tokyo)** 1985 Mar;33(3):1316-9

Study of the histochemical changes in mucus from normal and tumour bearing mucosa in patients with colorectal cancer. Habib NA, et al. **Eur J Surg Oncol** 1985 Sep; 11(3):243-5

Isolation and structural characterization of the smaller-size oligosaccharides from desialylated human kappa-casein. Establishment of a novel type of core for a mucin-type carbohydrate chain. van Halbeek H, et al. **FEBS Lett** 1985 Jul 22;187(1):81-8

Colonic mucin composition in primates. Selective alterations associated with spontaneous colitis in the cotton-top tamarin. Podolsky DK, et al. **Gastroenterology** 1985 Jan; 88(1 Pt 1):20-5

Sialomucins and carcinoembryonic antigen in the evolution of colorectal cancer. Greaves P, et al. **Histopathology** 1984 Sep;8(5):825-34

Mucin profiles in the mucosa adjacent to large bowel non-adenocarcinoma neoplasias. Lapertosa G, et al. **Histopathology** 1984 Sep;8(5):805-11

Urinary bladder glycoproteins of the rabbit: extraction, biochemical and immunological studies. Callahan HJ, et al. **Immunol Invest** 1985 Feb;14(1):41-55

Orcein--a stain for mucins in colorectal carcinomas. Dev G, et al. **Indian J Cancer** 1984 May-Jun;21(2):68-70

Cyclical variations in ovarian neoplastic mucins. Nirmala V, et al. **Indian J Med Res** 1984 May;79:641-6

Oligosaccharide structures of human colonic mucin. Podolsky DK. **J Biol Chem** 1985 Jul 15;260(14):8262-71

Neutral and acidic species of human intestinal mucin. Evidence for different core peptides. Wesley A, et al. **J Biol Chem** 1985 Jul 5;260(13):7955-9

Identification of gallbladder mucin-bilirubin complex in human cholesterol gallstone matrix. Effects of reducing agents on in vitro dissolution of matrix and intact gallstones. Smith BF, et al. **J Clin Invest** 1985 Aug;76(2):439-45

Oligosaccharide structures of the low-molecular-weight salivary mucin from a normal individual and one with cystic fibrosis. Reddy MS, et al. **J Dent Res** 1985 Jan; 64(1):33-6

Regional differences in normal and cancer-associated glycoconjugates of the human colon. Bresalier RS, et al. **JNCI** 1985 Aug;75(2):249-60

Villous tumor of the stomach associated with adenocarcinomas--a histochemical study of mucosubstances. Inaba S, et al. **Jpn J Clin Oncol** 1984 Dec; 14(4):691-8

[Relation of intestinal metaplasia of gastric mucosa to gastric carcinoma--light microscope, histochemical mucin stain and electron microscope] Dong YM. **Chung Hua Chung Liu Tsa Chih** 1984 Sep;6(5):342-5 (Eng. Abstr.) **(Chi)**

[Optical and histochemical polarization studies of the composition of the sialomucin coat at the trophoblast surface of the rabbit placenta depending on the stage of pregnancy] Scheuner G, et al. **Anat Anz** 1984;157(3):193-7 (Eng. Abstr.) **(Ger)**

[Mucohistochemical studies of stomach cancer--with special reference to minute stomach cancer of the human and dogs] Omodaka S. **Igaku Kenkyu** 1984 May;54(6):679-94 (Eng. Abstr.) **(Jpn)**

[Study of mucin histochemistry of the mucous cell of the colon--with special reference to its relationship to colonic cancer] Yotsumoto K. **Igaku Kenkyu** 1984 Apr;54(3):337-50 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Mucin biosynthesis. Properties of a bovine tracheal mucin beta-6-N-acetylglucosaminyltransferase. Cheng PW, et al. **Biochem J** 1985 Apr 15;227(2):405-12

Mucin synthesis. UDP-GlcNAc:GalNAc-R beta 3-N-acetylglucosaminyltransferase and UDP-GlcNAc:GlcNAc beta 1-3GalNAc-R (GlcNAc to GalNAc) beta 6-N-acetylglucosaminyltransferase from pig and rat colon mucosa. Brockhausen I, et al. **Biochemistry** 1985 Apr 9;24(8):1866-74

Mucin synthesis. The action of pig gastric mucosal UDP-GlcNAc:Gal beta 1-3(R1)GalNAc-R2 (GlcNAc to Gal) beta 3-N-acetylglucosaminyltransferase on high molecular weight substrates. Brockhausen I, et al. **Can J Biochem Cell Biol** 1984 Nov;62(11):1081-90

Mucin-producing carcinoma of the thyroid gland--a case report and review of the literature. Harada T, et al. **Jpn J Clin Oncol** 1984 Sep;14(3):417-24

CHEMICAL SYNTHESIS

Synthetic mucin fragments: benzyl 2-acetamido-3-O-[3-O-(2-acetamido-2-deoxy-beta-D-gl -beta-D-galactopyranosyl]-2-deoxy-alpha-D-galactopyr Abbas SA, et al. **Carbohydr Res** 1984 Sep 1;132(1):137-41

Synthetic mucin fragments: methyl 3-O-(2-acetamido-2-deoxy-beta-D-galactopyranosyl-bet 3-O-(2-acetamido-2-deoxy-3-O-beta-D-galactopyranos beta-D-glucopyranosyl)-beta-D-galactoyranoside. pyranosyl)-beta-D-galactopyranoside. Kohata K, et al. **Carbohydr Res** 1984 Sep 1;132(1):127-35

IMMUNOLOGY

The human blood-group-Sda determinant: a terminal non-reducing carbohydrate structure in N-linked and mucin-type glycoproteins. Donald AS, et al. **Biochem Soc Trans** 1984 Aug;12(4):596-9

Tumour-associated and differentiation antigens on the carbohydrate moieties of mucin-type glycoproteins. Feizi T, et al. **Biochem Soc Trans** 1984 Aug;12(4):591-6 (52 ref.)

Binding of lectins to goblet cell mucin in malignant and premalignant colonic epithelium in the CF-1 mouse. Boland CR, et al. **Gastroenterology** 1985 Jul;89(1):127-37

Normal salivary mucin contains the gastrointestinal cancer-associated antigen detected by monoclonal antibody 19-9 in the serum mucin of patients. Brockhaus M, et al. **Vox Sang** 1985;48(1):34-8

ISOLATION & PURIFICATION

Purification and characterization of goblet-cell mucin of high Mr from the small intestine of sheep. Mukkur TK, et al. **Biochem J** 1985 Jul 15;229(2):419-28

Intestinal mucins and cholesterol uptake in vitro. Mayer RM, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):34-43

Isolation and characterization of tracheobronchial mucin from a laryngectomee. Tabak LA, et al. **Carbohydr Res** 1984 Dec 15;135(1):117-28

Macromolecular properties and polymeric structure of mucus glycoproteins. Carlstedt I, et al. **Ciba Found Symp** 1984; 109:157-72

Structures of the oligosaccharide chains in swine trachea mucin glycoproteins. Chandrasekaran EV, et al. **J Biol Chem** 1984 Oct 25;259(20):12908-14

Purification and structures of oligosaccharide chains in swine trachea and Cowper's gland mucin glycoproteins. Rana SS, et al. **J Biol Chem** 1984 Oct 25;259(20):12899-907

Structures of the neutral oligosaccharides isolated from A-active human gastric mucin. Slomiany A, et al. **J Biol Chem** 1984 Dec 10;259(23):14743-9

METABOLISM

Histochemical analysis of secretory vesicles in nongoblet conjunctival epithelial cells. Greiner JV, et al. **Acta Ophthalmol (Copenh)** 1985 Feb;63(1):89-92

Stimulation of intestinal cytokinetics and mucin turnover in rats fed wheat bran or cellulose. Vahouny GV, et al. **Am J Clin Nutr** 1985 May;41(5):895-900

Mucin depletion in the intestine of malnourished rats. Sherman P, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):G418-23

Characterization of plant polysaccharide- and mucin-fermenting anaerobic bacteria from human feces. Bayliss CE, et al. **Appl Environ Microbiol** 1984 Sep; 48(3):626-32

Mucin release and calcium fluxes in isolated rat submandibular acini. McPherson MA, et al. **Biochem J** 1984 Dec 1;224(2):473-81

Mucin sialidase in the rat large intestine. Corfield AP, et al. **Biochem Soc Trans** 1984 Aug;12(4):605-7

Terminal glycosylation in human cervical mucin. Chantler EN, et al. **Ciba Found Symp** 1984;109:180-95

Dermatomyositis with prominent mucinous skin change. Histochemical and biochemical aspects of glycosaminoglycans. Igarashi M, et al. **Dermatologica** 1985; 170(1):6-11

The sialomucin content of colonic resection margins. Wood CB, et al. **Dis Colon Rectum** 1985 Apr;28(4):260-1

Galactosyl transferases of baby hamster kidney (BHK) cells. Characterization of two oligosaccharide products synthesised using bovine asialo submaxillary-gland mucin as acceptor. Gleeson PA, et al. **Eur J Biochem** 1984 Oct 1;144(1):143-50

Ulcerative colitis: a specific mucin defect? [editorial] Kim YS, et al. **Gastroenterology** 1984 Nov;87(5):1193-5

Glycoprotein composition of colonic mucosa. Specific alterations in ulcerative colitis. Podolsky DK, et al. **Gastroenterology** 1984 Nov;87(5):991-8

Metabolism of sialic acids from exogenously administered sialyllactose and mucin in mouse and rat. Nöhle U, et al. **Hoppe Seylers Z Physiol Chem** 1984 Dec;365(12):1457-67

Tracheobronchial mucin receptor for Pseudomonas aeruginosa: predominance of amino sugars in binding sites. Vishwanath S, et al. **Infect Immun** 1985 May;48(2):331-5

Self-healing juvenile cutaneous mucinosis. Pucevich MV, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 2):327-32

Hydrophobic binding properties of bovine gallbladder mucin. Smith BF, et al. **J Biol Chem** 1984 Oct 10;259(19):12170-7

Mucin degradation in human colon ecosystems. Isolation and properties of fecal strains that degrade ABH blood group antigens and oligosaccharides from mucin glycoproteins. Hoskins LC, et al. **J Clin Invest** 1985 Mar;75(3):944-53

Regional distribution and alterations of lectin binding to colorectal mucin in mucosal biopsies from controls and subjects with inflammatory bowel diseases. Jacobs LR, et al. **J Clin Invest** 1985 Jan;75(1):112-8

Cutaneous mucinous deposits. Steigleder GK, et al. **J Cutan Pathol** 1985 Jun-Aug;12(3-4):334-47

Oral focal mucinosis. Saito I, et al. **J Oral Maxillofac Surg** 1985 May;43(5):372-4

O-acylated sialomucins in adenomatous and hyperplastic colonic polyps. Szczepański W, et al. **Mater Med Pol** 1985 Jan-Mar;17(1):13-5

Mucociliary transport of human ear secretions in otitis media with effusion. Brown DT, et al. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):18-21

[Mucinosis follicularis. Histologic and electron microscopy studies] Grussendorf-Conen EI, et al. **Hautarzt** 1984 Aug; 35(8):408-14 (Eng. Abstr.) **(Ger)**

[Histochemical study of the O-acetylated variant of sialomucin in adenocarcinoma of the rectocolon and in lymph node metastases] Fulcheri E, et al. **Pathologica** 1984 Jul-Aug;76(1044):443-51 (Eng. Abstr.) **(Ita)**

[Mucin: a probable endogenous substrate of intestinal fermentation] Barúa RL, et al. **Acta Gastroenterol Latinoam** 1984;14(4):279-83 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Rehardening properties of mucin- or CMC-containing saliva substitutes on softened human enamel. Effects of sorbitol, xylitol and increasing viscosity. Vissink A, et al. **Caries Res** 1985;19(3):212-8

Comparative studies of mucus and mucin physicochemistry. Litt M. **Ciba Found Symp** 1984;109:196-211

Mucous glycoproteins: a gel of a problem. Carlstedt I, et al. **Essays Biochem** 1985;20:40-76 (139 ref.)

Role of gallbladder mucin in pathophysiology of gallstones. LaMont JT, et al. **Hepatology** 1984 Sep-Oct;4(5 Suppl):51S-56S

Synovial fluid analysis--another look at the mucin clot test. Hogan DB, et al. **J Rheumatol** 1985 Apr;12(2):242-4

The effects of heparin on the adherence of five species of urinary tract pathogens to urinary bladder mucosa. Ruggieri MR, et al. **Urol Res** 1984;12(4):199-203

SECRETION

Hydrocortisone inhibits mucin secretion from guinea pig gallbladder. Moore JR, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):G427-31

Proteinases release mucin from airways goblet cells. Boat TF, et al. **Ciba Found Symp** 1984;109:72-88 (32 ref.)

Acute and chronic models for hypersecretion of intestinal mucin. Forstner J, et al. **Ciba Found Symp** 1984;109:61-71

Regulation of intestinal goblet cells in situ, in mucosal explants and in the isolated epithelium. Neutra MR, et al. **Ciba Found Symp** 1984;109:20-39 (25 ref.)

Hydration kinetics of exocytosed mucins in cultured secretory cells of the rabbit trachea: a new model. Verdugo P. **Ciba Found Symp** 1984;109:212-25

Interaction of Mount St. Helens' volcanic ash with cells of the respiratory epithelium. Adler KB, et al. **Environ Res** 1984 Dec;35(2):346-61

Sialomucins in the assessment of dysplasia and cancer-risk patients with ulcerative colitis treated with colectomy and ileo-rectal anastomosis. Ehsanullah M, et al. **Histopathology** 1985 Feb;9(2):223-35

Proteinases of Pseudomonas aeruginosa evoke mucin release by tracheal epithelium. Klinger JD, et al. **J Clin Invest** 1984 Nov;74(5):1669-78

Mucin producing microfollicular adenoma of the thyroid. Rigaud C, et al. **J Clin Pathol** 1985 Mar;38(3):277-80

Nervous control of mucin secretion into human bronchi. Baker B, et al. **J Physiol (Lond)** 1985 Aug;365:297-305

Control of mucoglycoprotein output from the rabbit nose. Pell J, et al. **J Physiol (Lond)** 1984 Aug;353:339-53

Morphologic changes, mucin secretion, carcinoembryonic antigen (CEA) and peanut lectin reactivity in colonic mucosa of patients at high risk for colorectal cancer. Altavilla G, et al. **Tumori** 1984 Dec 31;70(6):539-48

[Adenocarcinoid tumor of the stomach associated with Ménétrier's disease (letter)] Serin M, et al. **Gastroenterol Clin Biol** 1985 Mar;9(3):270-1 **(Fre)**

URINE

Twenty-eight year old caucasian female with passage of mucoid material in urine. Wolter TJ, et al. **SD J Med** 1985 Mar;38(3):5-9

MUCOCELE

see related
RANULA

[Mucoceles in the paranasal sinuses] Kristensen S, et al. **Ugeskr Laeger** 1984 Oct 15;146(42):3183-5 (25 ref.) (Eng. Abstr.) **(Dan)**

CLASSIFICATION

[Appendiceal mucocele] Garatti S, et al. **Chir Ital** 1984 Jun; 36(3):383-7 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

[Rhinogenic neuropathia of the optic nerve due to muco- and pyoceles of the sphenoid sinus and posterior ethmoid cells] Fujitani T, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Jul;63(7):361-3 (Eng. Abstr.) **(Ger)**

[A rare pathologic association: an appendiceal mucocele in a strangulated properitoneal hernia] Saccò M, et al. **Chir Ital** 1982 Oct;34(5):757-62 (Eng. Abstr.) **(Ita)**

[Rare case of a combination of mucoid cyst of the sella turcica, sphenoid sinus and posterior ethmoid cells and aneurysm of the supraclinoid portion of the internal carotid artery] Fedorov SN, et al. **Zh Vopr Neirokhir** 1985 Jan-Feb;(1):55-8 **(Rus)**

CONGENITAL

Congenital mucous retention phenomena. Finkelstein MW, et al. **ASDC J Dent Child** 1984 Sep-Oct;51(5):379-81

[Congenital lacrimal mucocele or amniotocele?] George JL, et al. **Bull Soc Ophtalmol Fr** 1984 Mar;84(3):263-6 (Eng. Abstr.) (Fre)

DIAGNOSIS

Mucoceles of the paranasal sinuses. De Wilde R, et al. **Acta Stomatol Belg** 1984 Sep;81(2):91-106

CT and sonography in the recognition of mucocele of the appendix. Horgan JG, et al. **AJR** 1984 Nov;143(5):959-62

A mucocele of the submandibular gland. Surkin M, et al. **Arch Otolaryngol** 1985 Sep;111(9):623-5

Sonographic appearance of mucocele of the appendix. Athey PA, et al. **JCU** 1984 Jul-Aug;12(6):333-7

[Sphenoidal mucocele. A diagnosis of painful ophthalmoplegia which must not be omitted] Bricout JH, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):357-64 (Eng. Abstr.) (Fre)

[Sphenoidal mucocele] Devos P, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):409-14 (Eng. Abstr.) (Fre)

[Echographic diagnosis in orbital mucoceles] Rochels R, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Apr;64(4):181-4 (Eng. Abstr.) (Ger)

[Mucocele of the appendix] Dimopoulos PA. **ROFO** 1984 Sep;141(3):359-61 (Ger)

[A mucocele in the fronto-ethmoidal sinus] Tveterås K, et al. **Tidsskr Nor Laegeforen** 1984 Nov 20;104(32):2247-8 (Eng. Abstr.) (Nor)

[Mucoceles of the sphenoid sinus] Marco Algarra J. **An Otorrinolaringol Ibero Am** 1985;12(2):105-15 (Eng. Abstr.) (Spa)

ETIOLOGY

[Incidence of mucocele of the maxillary sinus depending on the presence of denervated teeth in the jaw] Różyło TK, et al. **Otolaryngol Pol** 1984;38(4):297-302 (Eng. Abstr.) (Pol)

[Giant cystadenoma of the appendix] Varas MJ, et al. **Rev Esp Enferm Apar Dig** 1985 Feb;67(2):187-90 (Eng. Abstr.) (Spa)

PATHOLOGY

Mucocele of the appendix and pseudomyxoma peritonei. Dachman AH, et al. **AJR** 1985 May;144(5):923-9

Mucinous appendiceal tumors: clinical review. Stephenson JB, et al. **J Med Soc NJ** 1985 May;82(5):381-4

Mucocele of the appendix. Perre C, et al. **Neth J Surg** 1985 Feb;37(1):20-3

Maxillary sinus mucocele. Report of an unusual case. Barsley RE, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):499-505

Pseudocysts and retention cysts of the maxillary sinus. Gardner DG. **Oral Surg Oral Med Oral Pathol** 1984 Nov;58(5):561-7

Multiple mucous retention cysts of the oral mucosa. Tal H, et al. **Oral Surg Oral Med Oral Pathol** 1984 Dec;58(6):692-5

Mucocoeles of the appendix. Their underlying epithelia, behaviour and associated tumours. Alderdice JM, et al. **Ulster Med J** 1983;52(2):131-5

RADIOGRAPHY

Infected calcified mucocele of the appendix with histologic features of mucinous cystadenoma. Boyez M, et al. **Gastrointest Radiol** 1985;10(3):297-8

Neurilemmoma of the frontal-ethmoid sinus simulating a mucocele. A case report. Christenbury JD, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):259-63

Coexistence of a nasal mucoepidermoid carcinoma and sphenoid mucoceles: CT diagnosis and treatment implications. Schaeffer BT, et al. **J Comput Assist Tomogr** 1985 Jul-Aug;9(4):803-5

Mucocoeles of the maxillary antrum. Description, case reports and review of the literature. East D. **J Laryngol Otol** 1985 Jan;99(1):49-56

Intracranial mucocele mimicking arachnoid cyst: case report. Tamas LB, et al. **Neurosurgery** 1985 Jan;16(1):85-6

[Bronchial mucocele (report of 5 cases and review of the literature)] Su HQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Feb;8(1):42-3, 62 (Eng. Abstr.) (Chi)

[Roentgenologic symptomatology of mucoceles of the frontal sinus and ethmoidal labyrinth] Golovach GG, et al. **Vestn Rentgenol Radiol** 1984 Nov-Dec;(6):30-5 (Eng. Abstr.) (Rus)

SURGERY

Management of an infected mucocele occurring in a bypassed excluded esophageal segment. Olsen CO, et al. **Ann Thorac Surg** 1985 Jul;40(1):73-5

Frontoethmoid mucocele with CSF leak [letter] Pizzo LJ, et al. **Ear Nose Throat J** 1984 Nov;63(11):571-3

Recurrent mucoceles [letter] Salon JM. **JAMA** 1985 Aug 23-30;254(8):1037

Mucocele of the sphenoidal sinus. Bynke O, et al. **Neurochirurgia (Stuttg)** 1985 Jan;28(1):28-30

Giant mucocele of paranasal sinuses. Hashim AS, et al. **Surg Neurol** 1985 Jan;23(1):69-74

Clinical characteristics and management of mucocele of the appendix. Kuo SJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Nov;83(11):1136-41

VETERINARY

Salivary mucocele in a dog. Mapes EL. **Mod Vet Pract** 1984 Aug;65(8):632-3

MUCOCUTANEOUS LYMPH NODE SYNDROME

Kawasaki disease: Canadian update. Rowe RD, et al. **Can Med Assoc J** 1985 Jan 1;132(1):25-8

Kawasaki syndrome: still a mystery after 20 years [editorial] Bell DM. **JAMA** 1985 Aug 9;254(6):801-2

A network data base system for children with cardiac disease--echocardiographic data of MCLS. Abe K, et al. **Jpn Circ J** 1984 Dec;48(12):1411-5

BLOOD

Can pseudomonas infection in experimental animals mimic Kawasaki's disease? Keren G, et al. **J Infect** 1984 Jul;9(1):22-9

Difficulty in achieving therapeutic serum concentrations of salicylate in Kawasaki disease. Koren G, et al. **J Pediatr** 1984 Dec;105(6):991-5

[Plasma prostaglandin E2 and F2 alpha levels in patients with mucocutaneous lymph node syndrome (Kawasaki disease) and anaphylactoid purpura] Lee T. **Arerugi** 1985 Mar;34(3):147-54 (Eng. Abstr.) (Jpn)

CHEMICALLY INDUCED

Kawasaki syndrome. Is exposure to rug shampoo important? Rogers MF, et al. **Am J Dis Child** 1985 Aug;139(8):777-9

COMPLICATIONS

Kawasaki disease complicated by acute myocardial infarction 9 years after onset. Ohyagi A, et al. **Am Heart J** 1985 Sep;110(3):670-2

Mucocutaneous lymph node syndrome: clinical, hemodynamic and angiographic features of coronary obstructive disease. Nakanishi T, et al. **Am J Cardiol** 1985 Mar 1;55(6):662-8

Coronary artery aneurysms presenting as sudden death 14 years after Kawasaki disease in infancy. Pounder DJ. **Arch Pathol Lab Med** 1985 Sep;109(9):874-6

Detection of coronary arterial lesions by two dimensional echocardiography in patients with Kawasaki disease. Ishihara H, et al. **Bull Tokyo Med Dent Univ** 1984 Sep;31(3):139-43

Acute hemiplegia in Kawasaki disease and infantile polyarteritis nodosa. Laxer RM, et al. **Dev Med Child Neurol** 1984 Dec;26(6):814-8

Bilateral hand necrosis in Kawasaki syndrome. Ames EL, et al. **J Hand Surg [Am]** 1985 May;10(3):391-5

Leukonychia partialis in Kawasaki disease [letter] Iosub S, et al. **J Infect Dis** 1984 Oct;150(4):617-8

High incidence of aortic regurgitation following Kawasaki disease. Nakano H, et al. **J Pediatr** 1985 Jul;107(1):59-63

Coronary arterial thrombi in Kawasaki disease. Terai M, et al. **J Pediatr** 1985 Jan;106(1):76-8

Intrahepatic cholangitis associated with mucocutaneous lymph node syndrome. Edwards KM, et al. **J Pediatr Gastroenterol Nutr** 1985 Feb;4(1):140-2

Severe Kawasaki heart disease treated with an internal mammary artery graft in pediatric patients. A first successful report. Kitamura S, et al. **J Thorac Cardiovasc Surg** 1985 Jun;89(6):860-6

Unstable angina in a patient with mucocutaneous lymph node syndrome. Hayashi H, et al. **Jpn Heart J** 1984 Jul;25(4):661-8

Coronary aneurysms in a patient with atypical Kawasaki syndrome and a streptococcal infection. Reller M, et al. **Pediatr Cardiol** 1984 Jul-Sep;5(3):205-7

Cardiovascular complications of mucocutaneous lymph node syndrome. Crowley DC. **Pediatr Clin North Am** 1984 Dec;31(6):1321-9

Anterior uveitis associated with Kawasaki syndrome. Burns JC, et al. **Pediatr Infect Dis** 1985 May-Jun;4(3):258-61

Kawasaki disease associated with Klebsiella pneumoniae bacteremia and parainfluenza type 3 virus infection. Johnson D, et al. **Pediatr Infect Dis** 1985 Jan-Feb;4(1):100

Renal manifestations of Kawasaki's disease. Nardi PM, et al. **Pediatr Radiol** 1985;15(2):116-8

Hepatic artery aneurysm associated with the mucocutaneous lymph node syndrome. Marks WH, et al. **Surgery** 1985 Sep;98(3):598-601

[Acute hemiplegia complicating Kawasaki disease] Boespflug O, et al. **Rev Neurol (Paris)** 1984;140(8-9):507-9 (Eng. Abstr.) (Fre)

[Articular manifestations of 11 cases of Kawasaki syndrome observed in Toscana] Bartolozzi G, et al. **Rev Rhum Mal Osteoartic** 1985 Mar;52(3):157-60 (Eng. Abstr.) (Fre)

[Acute hydrops of the gallbladder in Kawasaki's disease. Presentation of a case diagnosed with echotomography] Morelli P, et al. **Pediatr Med Chir** 1984 May-Jun;6(3):443-6 (Eng. Abstr.) (Ita)

[Diagnosis of myocardial ischemia in Kawasaki disease: thallium-201 myocardial imagings at rest, with exercise and with dipyridamole administration] Mitomori T, et al. **J Cardiogr** 1984 Jun;14(1):59-73 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Kawasaki disease in an Alaskan Eskimo child. Toomey KE, et al. **Alaska Med** 1985 Apr-Jun;27(2):28-30

Long-term echocardiographic evaluation of cardiac size and function in patients with Kawasaki disease. Anderson TM, et al. **Am Heart J** 1985 Jul;110(1 Pt 1):107-15

Kawasaki's disease: another cause for fever in the pediatric patient. Altieri M, et al. **Am J Emerg Med** 1983 Nov;1(3):302-5

Coronary aneurysms in Kawasaki disease: follow-up observation by two-dimensional echocardiography. Yanagisawa M, et al. **Pediatr Cardiol** 1985;6(1):11-6

Diagnostic uncertainty in atypical Kawasaki disease, and a new finding: exudative conjunctivitis. Ammerman SD, et al. **Pediatr Infect Dis** 1985 Mar-Apr;4(2):210-1

Kawasaki disease in Songkla, Thailand. Sanguanchua P, et al. **Southeast Asian J Trop Med Public Health** 1985 Mar;16(1):104-9

An unusual systemic staphylococcal illness with features of the mucocutaneous lymph node syndrome. Servilla KS, et al. **West J Med** 1985 Feb;142(2):257-9

Kawasaki syndrome in office pediatrics. Stein MT. **West J Med** 1984 Oct;141(4):519-21

[Kawasaki syndrome with acute gallbladder hydrops--case report and review of the literature] Wirth S, et al. **Klin Padiatr** 1985 Jan-Feb;197(1):68-70 (Eng. Abstr.) (Ger)

[Rupture of a coronary artery aneurysm in mucocutaneous lymph node syndrome (Kawasaki syndrome). Demonstration of the coronary aneurysms by 2-dimensional echocardiography] Lunkenheimer A, et al. **Monatsschr Kinderheilkd** 1984 Dec;132(12):909-12 (Eng. Abstr.) (Ger)

[Kawasaki's disease. Description of a clinical case] Tomidei M, et al. **G Ital Dermatol Venereol** 1985 Mar-Apr;120(2):119-21 (Eng. Abstr.) (Ita)

[Kawasaki disease. Description of 2 cases] Bosco M, et al. **Minerva Pediatr** 1984 Nov 15;36(21):1083-7 (Eng. Abstr.) (Ita)

[Kawasaki syndrome. Case report] Brunet MR, et al. **Minerva Pediatr** 1985 Mar 31;37(5-6):255-8 (Eng. Abstr.) (Ita)

[Kawasaki's disease: description of a case] Mancini G, et al. **Pediatr Med Chir** 1984 May-Jun;6(3):439-42 (Eng. Abstr.) (Ita)

[Kawasaki's syndrome: description of 4 cases] Sabatino G, et al. **Pediatr Med Chir** 1984 Jul-Aug;6(4):521-7 (Eng. Abstr.) (Ita)

[Modified criteria for diagnosis of Kawasaki disease] Teshirogi T, et al. **Nippon Ika Daigaku Zasshi** 1985 Jun;52(3):342-6 (Jpn)

[Kawasaki disease: report of 6 cases] Scarpellini Vera A, et al. **An Esp Pediatr** 1984 Jun;20(9):876-84 (Eng. Abstr.) (Spa)

DRUG THERAPY

Salicylates in Kawasaki disease [letter] Jacobs JC. **J Pediatr** 1985 May;106(5):858-9

Aspirin therapy in Kawasaki syndrome [letter] Koren G. **J Pediatr** 1985 May;106(5):859-60

Probable efficacy of high-dose salicylates in reducing coronary involvement in Kawasaki disease. Koren G, et al. **JAMA** 1985 Aug 9;254(6):767-9

[Kawasaki's disease and corticosteroid therapy (letter)] Di Piero G. **Pediatr Med Chir** 1984 Mar-Apr;6(2):347-8 (Ita)

ETIOLOGY

Infection and immunology in the mucocutaneous lymph node syndrome: a report of 4 cases. Modi N, et al. **Br J Clin Pract** 1985 Mar;39(3):118-20

Platelet immune complex interaction in pathogenesis of Kawasaki disease and childhood polyarteritis. Levin M, et al. **Br Med J [Clin Res]** 1985 May 18;290(6480):1456-60

Role of house dust mites in Kawasaki disease [letter] Murray AB, et al. **Can Med Assoc J** 1984 Oct 1;131(7):720

Kawasaki disease or mucocutaneous lymph node syndrome. Has it a microbial aetiology? **J Infect** 1984 Jul;9(1):1-5

FAMILIAL & GENETIC

Simultaneous Kawasaki disease in identical twins: case report. Fink HW. **Va Med** 1985 Apr;112(4):248-51

IMMUNOLOGY

Association of epidemic Kawasaki syndrome with the HLA-A2, B44, Cw5 antigen combination. Kaslow RA, et al. **Arthritis Rheum** 1985 Aug;28(8):938-40

Lymphocyte subpopulations in Kawasaki disease. Shannon K, et al. **Clin Exp Rheumatol** 1983 Jan-Mar;1(1):59-62

Impaired granulocyte chemotaxis and increased circulating immune complexes in Kawasaki disease. Ono S, et al. **J Pediatr** 1985 Apr;106(4):567-70

Circulating immune complexes and granulocytes chemotaxis in Kawasaki disease. Miyata K, et al. **Jpn Circ J** 1984 Dec;48(12):1350-3

Kawasaki disease in European adult associated with serological response to Coxiella burneti [letter] Weir WR, et al. **Lancet** 1985 Aug 31;2(8453):504

Circulating immune complexes in Kawasaki syndrome. Mason WH, et al. **Pediatr Infect Dis** 1985 Jan-Feb;

4(1):48-51

[The immune system in Kawasaki disease. Study of the 1st case of the disease found in Italy in an adult subject] Montella F, et al. **Minerva Med** 1985 Apr 7;76(14-15):711-6 (Eng. Abstr.) **(Ita)**

[Study on peripheral blood mononuclear cell subpopulations in children. Part II. Peripheral blood mononuclear cell subpopulations in patients with Kawasaki disease] Ogiwara A. **Arerugi** 1984 Jul;33(7):369-75 (Eng. Abstr.) **(Jpn)**

[Immunological studies on mucocutaneous lymphnode syndrome (Kawasaki disease). I. Plasma inhibitory factor(s) against blastic transformation of lymphocytes--a lack of plasma inhibitory factor(s) against blastic transformation of lymphocytes exposed to streptolysin O] Wakiguchi H, et al. **Arerugi** 1984 Nov;33(11):978-84 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

[Approach to viral diseases of unknown etiology] Numazaki Y. **Rinsho Byori** 1985 Feb;33(2):136-9 **(Jpn)**

OCCURRENCE

Kawasaki syndrome. A case-control study during an outbreak in Maryland. Lin FY, et al. **Am J Dis Child** 1985 Mar;139(3):277-9

Leads from the MMWR. Multiple outbreaks of Kawasaki syndrome--United States. **JAMA** 1985 Feb 15;253(7):957-9

Multiple outbreaks of Kawasaki syndrome--United States. **MMWR** 1985 Jan 25;34(3):33-5

Endemic Kawasaki disease in rural Wisconsin. Sutton TM, et al. **Wis Med J** 1985 Mar;84(3):23-5

[Kawasaki disease (letter)] Ferrer Pi S. **An Esp Pediatr** 1985 Apr 15;22(5):416-7 **(Spa)**

PATHOLOGY

Kawasaki's disease: a review. Torres A, et al. **Bol Asoc Med PR** 1983 Jul;75(7):302-4

Adenovirus type 2 isolated from a patient with fatal Kawasaki disease. Embil JA, et al. **Can Med Assoc J** 1985 Jun 15; 132(12):1400

Mucocutaneous lymph node syndrome in an adult, with lymph node biopsy correlation. Keim DE, et al. **South Med J** 1985 Jul;78(7):872-4

PHYSIOPATHOLOGY

Kawasaki disease: a report of 26 patients. Gray JA, et al. **J Infect** 1984 Jul;9(1):17-21

[Kawasaki's disease. Epidemiological aspects and cardiovascular manifestations. Apropos of 106 cases] Fournier A, et al. **Arch Mal Coeur** 1985 May;78(5):693-8 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Cholescintigraphic abnormality in a case of Kawasaki syndrome. Zanzi I, et al. **Clin Nucl Med** 1985 Jul; 10(7):475-7

SURGERY

[Coronary bypass surgery utilizing an internal mammary artery and autologous saphenous vein graft for mitral valve replacement in severe Kawasaki heart disease: report of a case] Kitamura S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Nov; 32(11):1996-2003 (Eng. Abstr.) **(Jpn)**

THERAPY

High-dose intravenous gammaglobulin for Kawasaki disease. Furusho K, et al. **Lancet** 1984 Nov 10;2(8411):1055-8

[Intravenous gammaglobulins and prevention of cardiovascular risk in Kawasaki's disease. Reflections apropos of a case (letter)] Berthier M, et al. **Arch Fr Pediatr** 1984 Jun-Jul;41(6):441 **(Fre)**

[Kawasaki's syndrome. Treatment with intravenous gammaglobulins (letter)] Despert F, et al. **Presse Med** 1984 Sep 29;13(33):2023 **(Fre)**

[Gamma globulin in Kawasaki's disease--a new possible therapeutic method] Johansen K, et al. **Lakartidningen** 1984 Sep 12;81(37):3234-5 **(Swe)**

URINE

Intracytoplasmic inclusions in urinary sediment cells from a patient with mucocutaneous lymph node syndrome (Kawasaki disease). A case report. Kobayashi TK, et al. **Acta Cytol (Baltimore)** 1984 Nov-Dec;28(6):687-90

MUCOLIPIDOSIS

COMPLICATIONS

Treatment of corneal opacification in mucolipidosis IV with conjunctival transplantation. Dangel ME, et al. **Am J Ophthalmol** 1985 Feb 15;99(2):137-41

Ocular abnormalities in mucolipidosis IV. Riedel KG, et al. **Am J Ophthalmol** 1985 Feb 15;99(2):125-36

DIAGNOSIS

First-trimester prenatal diagnosis of mucolipidosis II (I-cell disease) by chorionic biopsy. Poenaru L, et al. **Am J Hum Genet** 1984 Nov;36(6):1379-85

A simple enzymatic determination of urinary sialic acid--its significance in the diagnosis of disorders of sialic acid metabolism. Okamura-Oho Y, et al. **Clin Chim Acta** 1984 Dec 29;144(2-3):263-7

[A cluster of mucolipidosis III in a village of Calabria] Bartolozzi G, et al. **Pediatr Med Chir** 1984 Mar-Apr; 6(2):285-94 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Ganglioside sialidase distribution in mucolipidosis type IV cultured fibroblasts. Zeigler M, et al. **Arch Biochem Biophys** 1985 Sep;241(2):602-7

Synthesis and transport of lysosomal acid phosphatase in normal and I-cell fibroblasts. Lemansky P, et al. **J Biol Chem** 1985 Jul 25;260(15):9023-30

FAMILIAL & GENETIC

Homozygosity for the variant alpha-L-fucosidase trait and mucolipidosis III. Gatti R, et al. **Hum Genet** 1985;70(1):71-3

Infantile type 2 sialidosis in a Pakistani family--a clinical and biochemical study. King M, et al. **J Inherited Metab Dis** 1984;7(3):91-6

Mucolipidosis I: ocular signs in three sisters. Carta F, et al. **Metab Ophthalmol** 1984-85;8(1):21-5

METABOLISM

Comparative study of cystine clearance in cystinotic and I-cell fibroblasts upon exposure to cystine dimethyl ester. Steinherz R, et al. **Enzyme** 1984;32(2):126-30

PATHOLOGY

I-cell disease. A further report on its pathology. Martin JJ, et al. **Acta Neuropathol (Berl)** 1984;64(3):234-42

Neuraminidase deficiency presenting as non-immune hydrops fetalis. Beck M, et al. **Eur J Pediatr** 1984 Dec;143(2):135-9

RADIOGRAPHY

Mucolipidosis I. Roentgenographic follow-up. Staalman CR, et al. **Skeletal Radiol** 1984;12(3):153-61

MUCOLYTIC AGENTS see **EXPECTORANTS**

MUCOPOLYSACCHARIDES

Very-high-field n.m.r. studies of bovine lung heparan sulphate tetrasaccharides produced by nitrous acid deaminative cleavage. Determination of saccharide sequence, uronate composition and degrees of sulphation. Sanderson PN, et al. **Biochem J** 1984 Oct 15;223(2):495-505

[Binding of 67Ga to heparan sulfate and its sulfate contents] Sasaki T, et al. **Kaku Igaku** 1984 Dec;21(12):1627-30 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Results of a 2-year double-blind study on the intramuscular administration of Arteparon in patients with coxarthrosis] Zbojanová M, et al. **Bratisl Lek Listy** 1984 Sep; 82(3):1134-41 (Eng. Abstr.) **(Slo)**

ANALYSIS

Chemical heterogeneity of heparan sulfate from a human neuroblastoma cell line. Fransson LA, et al. **Acta Chem Scand [B]** 1985;39(4):305-13

Heterogeneity of heparan sulfate chains in a proteoglycan from bovine lung. Radhakrishnamurthy B, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):314-20

Cartilage keratan sulphate: changes in chain length with ageing. Theocharis DA, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):131-4

Connective tissue metabolism in muscular dystrophy. Levels of collagen and mucopolysaccharides in embryonic chickens with genetic muscular dystrophy. DeMichele SJ, et al. **Comp Biochem Physiol [B]** 1984;79(2):203-9

Immunological characterization of basement membrane types of heparan sulfate proteoglycan. Dziadek M, et al. **EMBO J** 1985 Apr;4(4):905-12

Relationships between bovine follicular fluid glycosaminoglycans and steroids. Bushmeyer SM, et al. **Endocrinology** 1985 Sep;117(3):879-85

Relation of capsular materials and colony opacity to virulence of Vibrio vulnificus. Yoshida S, et al. **Infect Immun** 1985 Feb;47(2):446-51

Identification of the precursor protein to basement membrane heparan sulfate proteoglycans. Ledbetter SR, et al. **J Biol Chem** 1985 Jul 5;260(13):8106-113

Cell surface proteoglycan of mammary epithelial cells. Protease releases a heparan sulfate-rich ectodomain from a putative membrane-anchored domain. Rapraeger A, et al. **J Biol Chem** 1985 Apr 10;260(7):4103-9

The cell surface proteoglycan from mouse mammary epithelial cells bears chondroitin sulfate and heparan sulfate glycosaminoglycans. Rapraeger A, et al. **J Biol Chem** 1985 Sep 15;260(20):11046-52

Localization and quantitation of anionic charge sites in fetal and neonatal alveolar basement membranes. Ferrara TB, et al. **J Histochem Cytochem** 1985 Jun;33(6):611-4

Localization of laminin, type IV collagen, fibronectin, and heparan sulfate proteoglycan in chick retinal pigment epithelium basement membrane during embryonic development. Turksen K, et al. **J Histochem Cytochem** 1985 Jul;33(7):665-71

Immunopurification and characterization of a neuronal heparan sulfate proteoglycan. Matthew WD, et al. **J Neurosci** 1985 Jul;5(7):1842-50

Keratan sulfate content and articular cartilage maturation during postnatal rabbit growth. Zirn JR, et al. **J Orthop Res** 1984;2(2):143-50

Screening for Sanfilippo disease type A by infrared spectroscopy of hair [letter] Lubec G, et al. **Lancet** 1985 Mar 2;1(8427):526-7

Mucopolysaccharides in plasma and urine of fattening cattle affected with laminitis. Motoi Y, et al. **Nippon Juigaku Zasshi** 1984 Aug;46(4):565-9

Heterogeneity of proteoglycans from tissue cultured human neuroblastoma cells. Hampson I, et al. **Prog Clin Biol Res** 1985;175:223-7

[Use of alcian green in morphological and histochemical problems] Krutsay M. **Gegenbaurs Morphol Jahrb** 1984; 130(6):813-8 (Eng. Abstr.) **(Ger)**

[A procedure for joint demonstration of neutral polysaccharides and acid mucopolysaccharides] Krutsay M. **Morphol Igazsagugyi Orv Sz** 1985 Jul;25(3):230-1 (Eng. Abstr.) **(Hun)**

[Determination of aortic medial tissue acid mucopolysaccharide and glycoprotein in stroke-prone spontaneously hypertensive rats] Hasegawa M, et al. **Nippon Ronen Igakkai Zasshi** 1984 May;21(3):248-54 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Neutralisation of heparan sulphate and low molecular weight heparin by protamine. Hubbard AR, et al. **Thromb Haemost** 1985 Feb 18;53(1):86-9

BIOSYNTHESIS

The effect of benzyl beta-D-xyloside on keratan sulphate synthesis in ox articular cartilage. Robinson JA, et al. **Biochem Int** 1984 Oct;9(4):501-9

Heterogeneity of cell-associated and secretory heparan sulphate proteoglycans produced by cultured human neuroblastoma cells. Hampson IN, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):306-13

Synthesis of basement membrane components by differentiated thyroid cells. Wadeleux P, et al. **Biochim Biophys Acta** 1985 Aug 30;846(2):257-64

Biosynthesis of hyaluronic acid, heparan sulfate and structural glycoproteins in hamster lung explants during elastase induced emphysema. Lafuma C, et al. **Connect Tissue Res** 1985;13(2):169-79

Sulfated polysaccharides and cell differentiation in the sea urchin embryo. Løvtrup-Rein H, et al. **Exp Cell Biol** 1984; 52(6):383-8

Evidence for transsynaptic regulation of neuronal cell surface heparan sulfate proteoglycan in developing rat superior cervical ganglion. Greif KF, et al. **J Cell Biochem** 1984; 26(2):127-33

An antiproliferative heparan sulfate species produced by postconfluent smooth muscle cells. Fritze LM, et al. **J Cell Biol** 1985 Apr;100(4):1041-9

Synthesis by Schwann cells of basal lamina and membrane-associated heparan sulfate proteoglycans. Mehta H, et al. **J Cell Biol** 1985 Aug;101(2):660-6

De novo cellular synthesis of sulfated proteoglycans of the developing renal glomerulus in vivo. Kanwar YS, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7108-11

IMMUNOLOGY

Monoclonal antibodies to proteokeratan sulfate of rabbit corneal stroma. SundarRaj N, et al. **Curr Eye Res** 1985 Jan;4(1):49-54

Opsonophagocytic killing activity of rabbit antibody to Pseudomonas aeruginosa mucoid exopolysaccharide. Ames P, et al. **Infect Immun** 1985 Aug;49(2):281-5

Role of Pseudomonas aeruginosa mucoid exopolysaccharide in adherence to tracheal cells. Ramphal R, et al. **Infect Immun** 1985 Jan;47(1):1-4

Heparan sulfate proteoglycans from mouse mammary epithelial cells: localization on the cell surface with a monoclonal antibody. Jalkanen M, et al. **J Cell Biol** 1985 Sep;101(3):976-84

Sera from patients with poststreptococcal glomerulonephritis contain antibodies to glomerular heparan sulfate proteoglycan. Fillit H, et al. **J Exp Med** 1985 Feb 1; 161(2):277-89

ISOLATION & PURIFICATION

Heparan sulfate proteoglycans of human neuroblastoma cells: affinity fractionation on columns of platelet factor-4+. Maresh GA, et al. **Arch Biochem Biophys** 1984 Sep; 233(2):428-37

Isolation of the major chondroitin sulfate/dermatan sulfate and heparan sulfate proteoglycans from embryonic chicken retina. Morris JE. **Arch Biochem Biophys** 1984 Nov 15; 235(1):127-40

Isolation of two forms of basement membrane proteoglycans. Hassell JR, et al. **J Biol Chem** 1985 Jul 5;260(13):8098-105

Isolation and characterization of the heparan sulfate proteoglycans of brain. Use of affinity chromatography on lipoprotein lipase-agarose. Klinger MM, et al. **J Biol Chem** 1985 Apr 10;260(7):4082-90

Isolation and characterization of the heparan sulfate proteoglycan of the bovine glomerular basement membrane. Parthasarathy N, et al. **J Biol Chem** 1984 Oct 25;259(20):12749-55

One dimensional thin-layer cellulose chromatographic separation of dermatan-, heparan-, chondroitin- and keratan sulfate. Wang TR. **Taiwan I Hsueh Hui Tsa Chih** 1984 Aug;83(8):737-42

Heparan sulphates from porcine intestinal mucosa. Preparation and physicochemical properties. Johnson EA. **Thromb Res** 1984 Sep 1;35(5):583-8

METABOLISM

On the self-affinity of heparan sulfates from quiescent or proliferating normal 3T3 cells and from SV40-transformed cells. Fransson LA, et al. **Acta Chem Scand [B]** 1985; 39(3):163-70

Absence of keratan sulphate from skeletal tissues of mouse and rat. Venn G, et al. **Biochem J** 1985 Jun 1;228(2):443-50

Growth-coupled changes in glucosaminoglycans (heparan sulfate and hyaluronic acid) in normal and transformed human fibroblasts. Matuoka K, et al. **Cell Biol Int Rep** 1985 Jun;9(6):577-86

Lymphocytes express a diverse array of specific receptors for sulfated polysaccharides. Parish CR, et al. **Cell Immunol** 1985 Mar;91(1):201-14

Changes in the distribution of laminin, fibronectin, type IV collagen and heparan sulfate proteoglycan during colony formation by chick retinal pigment epithelial cells in vitro. Turksen K, et al. **Cell Relat Res** 1984 Dec;4(6):413-26

Intralysosomal formation and metabolic fate of N-acetylglucosamine 6-sulfate from keratan sulfate. Fuchs W, et al. **Eur J Biochem** 1985 Sep 16;151(3):551-6

Involvement of heparan sulfate in 67Ga binding to rat-liver plasma membrane. Kojima S, et al. **Eur J Nucl Med** 1985; 10(11-12):535-9

Neurite extension by neuroblastoma cells on substratum-bound fibronectin's cell-binding fragment but not on the heparan sulfate-binding protein, platelet factor-4. Tobey SL, et al. **Exp Cell Res** 1985 Jun; 158(2):395-412

Proteoglycans from cultures of fibroblast from the human uterine cervix. Uldbjerg N, et al. **Gynecol Obstet Invest** 1985;19(3):146-54

Sequential degradation of heparan sulfate in the subendothelial extracellular matrix by highly metastatic lymphoma cells. Bar-Ner M, et al. **Int J Cancer** 1985 Apr 15;35(4):483-91

Kinetics of proteoheparan sulfate synthesis, secretion, endocytosis, and catabolism by a hepatocyte cell line. Bienkowski MJ, et al. **J Biol Chem** 1984 Nov 10; 259(21):12989-96

Heparan sulfate-chondroitin sulfate hybrid proteoglycan of the cell surface and basement membrane of mouse mammary epithelial cells. David G, et al. **J Biol Chem** 1985 Sep 15;260(20):11067-74

Oligosaccharides generated by an endoglucuronidase are intermediates in the intracellular degradation of heparan sulfate proteoglycans. Kjellén L, et al. **J Biol Chem** 1985 Jul 15;260(14):8416-22

Heparan sulfate proteoglycans from mouse mammary epithelial cells. Cell surface proteoglycan as a receptor for interstitial collagens. Koda JE, et al. **J Biol Chem** 1985 Jul 5;260(13):8157-62

Heparan sulfate proteoglycans from mouse mammary epithelial cells. Basal extracellular proteoglycan binds specifically to native type I collagen fibrils. Koda JE, et al. **J Biol Chem** 1984 Oct 10;259(19):11763-70

Defective processing of keratan sulfate in macular corneal dystrophy. Nakazawa K, et al. **J Biol Chem** 1984 Nov 25; 259(22):13751-7

Heparan sulfate proteoglycans of rat embryo fibroblasts. A hydrophobic form may link cytoskeleton and matrix components. Woods A, et al. **J Biol Chem** 1985 Sep 5; 260(19):10872-9

Anchorage of collagen-tailed acetylcholinesterase to the extracellular matrix is mediated by heparan sulfate proteoglycans. Brandan E, et al. **J Cell Biol** 1985 Sep; 101(3):985-92

Cell-substratum adhesion in chick neural retina depends upon protein-heparan sulfate interactions. Cole GJ, et al. **J Cell Biol** 1985 Apr;100(4):1192-9

Heparan sulfate proteoglycans are concentrated on the sinusoidal plasmalemmal domain and in intracellular organelles of hepatocytes. Stow JL, et al. **J Cell Biol** 1985 Mar;100(3):975-80

Relationship of heparan sulfate proteoglycans to the cytoskeleton and extracellular matrix of cultured fibroblasts. Woods A, et al. **J Cell Biol** 1984 Nov; 99(5):1743-53

Two subpopulations of differentiated chondrocytes identified with a monoclonal antibody to keratan sulfate. Zanetti M, et al. **J Cell Biol** 1985 Jul;101(1):53-9

Inhibition of mucopolysaccharide sulfation using rabbit liver sulfotransferases. Foye WO, et al. **J Pharm Sci** 1985 Mar; 74(3):355-8

Evidence for diabetes-induced alterations in the sulfation of heparin sulfate intestinal epithelial cells. Lévy P, et al. **Life Sci** 1984 Dec 24;35(26):2613-20

Basement membrane heparan sulfate proteoglycans are concentrated in the laminae rarae and in podocytes of the rat renal glomerulus. Stow JL, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3296-300

[Bronchial secretion and bronchial mucosa in children with mucoviscidosis: results of comparative bronchoscopic, biochemical, bacteriologic, light and electron microscopic studies] Wunderlich P, et al. **Z Erkr Atmungsorgane** 1985; 164(1):25-38 (Eng. Abstr.) **(Ger)**

[Electron microscopic studies of pretibial myxoedema using ruthenium red staining] Nakagawa K, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Sep;94(10):1141-8 **(Jpn)**

[Mucopolysaccharidoses and disorders of glycoprotein metabolism] Suzuki Y. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1759-69 (35 ref.) **(Jpn)**

[Biochemical structure of myelin in the central nervous system] Rakić LjM, et al. **Glas Srp Akad Nauka [Med]** 1981; (33):173-91 (Eng. Abstr.) **(Sce)**

PHARMACODYNAMICS

Secondary structure of human plasma fibronectin: conformational change induced by calf alveolar heparan sulfates. Osterlund E, et al. **Biochemistry** 1985 May 21; 24(11):2661-7

Heparan sulfate enhances growth of transformed human cells. Matuoka K, et al. **Cell Struct Funct** 1984 Dec;9(4):357-67

Toxicity of an algal mucopolysaccharide for Escherichia coli and Neisseria meningitidis strains. Criado MT, et al. **Rev Esp Fisiol** 1984 Jun;40(2):227-30

Anticoagulant properties in vitro of heparan sulphates. Hubbard AR, et al. **Thromb Res** 1984 Sep 1;35(5):567-76

PHYSIOLOGY

A neuronal cell surface heparan sulfate proteoglycan is required for dorsal root ganglion neuron stimulation of Schwann cell proliferation. Ratner N, et al. **J Cell Biol** 1985 Sep;101(3):744-54

Evidence that cell surface heparan sulfate is involved in the high affinity thrombin binding to cultured porcine aortic endothelial cells. Shimada K, et al. **J Clin Invest** 1985 Apr; 75(4):1308-16

Atypical distribution of asymmetric acetylcholinesterase in mutant PC12 pheochromocytoma cells lacking a cell surface heparan sulfate proteoglycan. Inestrosa NC, et al. **J Neurochem** 1985 Jul;45(1):86-94

THERAPEUTIC USE

Clinical evaluation of schizophyllan adjuvant immunochemotherapy for patients with resectable gastric cancer--a randomized controlled trial. Fujimoto S, et al. **Jpn J Surg** 1984 Jul;14(4):286-92

[Treatment of hemorrhoidal crisis with mesoglycan sulfate] Saggioro A, et al. **Minerva Dietol Gastroenterol** 1985 Apr-Jun;31(2):311-5 (Eng. Abstr.) **(Ita)**

[Therapeutic action of oral mesoglycan in the pharmacologic treatment of the varicose syndrome and its complications] Petruzzellis V, et al. **Minerva Med** 1985 Mar 24; 76(12):543-8 (Eng. Abstr.) **(Ita)**

[Analysis of human sera obtained from lung cancer patients by two-dimensional electrophoresis after schizophyllan (SPG) treatment] Akima K, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1278-85 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of schizophyllan (SPG) in advanced gastric cancer (the second report)--a randomized controlled study] Furue H, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1272-7 (Eng. Abstr.) **(Jpn)**

URINE

Clinical and biochemical effects of long-term vitamin A administration to a patient with Hurler-Scheie compound. Wannmacher CM, et al. **Braz J Med Biol Res** 1984; 17(1):43-7

Determination of urinary mucopolysaccharides in Graves' disease. Ursu H, et al. **Endocrinologie** 1984 Oct-Dec; 22(4):277-82

Increased urinary excretion of acid mucopolysaccharides and glycopeptides in hypothyroidism following thyroid hormone therapy. Tokoro T, et al. **Eur J Pediatr** 1985 May; 144(1):84-6

Fractionation and characterization of urinary heparan sulfate excreted by patients with Sanfilippo syndrome. Kimura A, et al. **Tohoku J Exp Med** 1984 Nov;144(3):227-36

[Effect of surgical procedures on the muscular system on mucopolysaccharide excretion in children] Zarzycki D, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(1):54-8 (Eng. Abstr.) **(Pol)**

MUCOPOLYSACCHARIDOSIS

CHEMICALLY INDUCED

Mucopolysaccharidosis-like alterations in cardiac valves of rats treated with tilorone. Horstmann G, et al. **Virchows Arch [Cell Pathol]** 1985;48(1):33-45

COMPLICATIONS

Beta-glucuronidase deficiency. A heterogeneous mucopolysaccharidosis. Lee JE, et al. **Am J Dis Child** 1985 Jan;139(1):57-9

Clearing of cornea after perforating keratoplasty in mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome) [letter] Naumann G. **N Engl J Med** 1985 Apr 11;312(15):995

Narrow trachea in mucopolysaccharidoses. Peters ME, et al. **Pediatr Radiol** 1985;15(4):225-8

[Alder's anomaly in mucopolysaccharidosis type VI. Cytological, cytochemical and ultrastructural study] Audroin C, et al. **Nouv Rev Fr Hematol** 1985;27(3):183-8 (Eng. Abstr.) **(Fre)**

[Association of mucopolysaccharidosis with primary pulmonary hypertension and renal hypoplasia] Semidotskaia ZhD, et al. **Klin Med (Mosk)** 1985 Jun; 63(6):126-7 **(Rus)**

DIAGNOSIS

4-Methylumbelliferyl alpha-N-acetylglucosaminidase activity for diagnosis of Sanfilippo B disease. Marsh J, et al. **Clin Genet** 1985 Mar;27(3):258-62

Screening for Sanfilippo disease type A by infrared spectroscopy of hair [letter] Lubec G, et al. **Lancet** 1985 Mar 2;1(8427):526-7

EMBRYOLOGY

[Histopathological study on the fetus of Sanfilippo B disease] Mito T, et al. **No To Hattatsu** 1984 Nov;16(6):481-6 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Kinetic properties of beta-galactosidase in Morquio B disease. Czartoryska B, et al. **Acta Anthropogenet** 1983; 7(4):301-7

Beta-glucuronidase deficiency in a dog: a model of human mucopolysaccharidosis VII. Haskins ME, et al. **Pediatr Res** 1984 Oct;18(10):980-4

FAMILIAL & GENETIC

Sanfilippo type C syndrome in two sisters. Uvebrant P. **Acta Paediatr Scand** 1985 Jan;74(1):137-9

The clinical spectrum of alpha-L-iduronidase deficiency. Roubicek M, et al. **Am J Med Genet** 1985 Mar;20(3):471-81 (41 ref.)

Siblings with the Austin variant of metachromatic leukodystrophy multiple sulfatidosis. Bharucha BA, et al. **Indian J Pediatr** 1984 Jul-Aug;51(411):477-80

PATHOLOGY

Sanfilippo disease, type A with some features of ceroid lipofuscinosis. Wisniewski K, et al. **Neuropediatrics** 1985 May;16(2):98-105

Occurrence of multiple dentigerous cysts in a patient with the Maroteaux-Lamy syndrome (mucopolysaccharidosis, type VI). Roberts MW, et al. **Oral Surg Oral Med Oral Pathol** 1984 Aug;58(2):169-75

PHYSIOPATHOLOGY

Pattern of collagen synthesis and chemotactic response of fibroblasts derived from mucopolysaccharidosis patients. Pontz BF, et al. **Exp Cell Res** 1984 Dec;155(2):457-66

Neurochemical characterization of canine alpha-L-iduronidase deficiency disease (model of human mucopolysaccharidosis I). Constantopoulos G, et al. **J Neurochem** 1985 Oct;45(4):1213-7

RADIOGRAPHY

[Radiologic aspects of a severe form of Maroteaux-Lamy syndrome] Riggio S, et al. **Radiol Med (Torino)** 1984 Sep; 70(9):629-30 **(Ita)**

THERAPY

Bone-marrow transplantation in the Maroteaux-Lamy syndrome (mucopolysaccharidosis type VI). Biochemical and clinical status 24 months after transplantation. Krivit W, et al. **N Engl J Med** 1984 Dec 20;311(25):1606-11

URINE

Isolation and characterization of N-acetylglucosamine 6-sulfate from the urine of a patient with Sanfilippo type D syndrome and its occurrence in normal urine. Hopwood JJ, et al. **Biochem Int** 1983 Jun;6(6):831-6

Fractionation and characterization of urinary heparan sulfate excreted by patients with Sanfilippo syndrome. Kimura A, et al. **Tohoku J Exp Med** 1984 Nov;144(3):227-36

VETERINARY

Disease expression in cultured pigment epithelium. Feline mucopolysaccharidosis VI. Stramm L, et al. **Invest Ophthalmol Vis Sci** 1985 Feb;26(2):182-92

Correction of feline arylsulphatase B deficiency (mucopolysaccharidosis VI) by bone marrow transplantation. Gasper PW, et al. **Nature** 1984 Nov 29-Dec 5;312(5993):467-9

MUCOPOLYSACCHARIDOSIS 1 see **LIPOCHONDRODYSTROPHY**

MUCOPOLYSACCHARIDOSIS 2 see

LIPOCHONDRODYSTROPHY

MUCOPOLYSACCHARIDOSIS 3 see under **MUCOPOLYSACCHARIDOSIS**

MUCOPOLYSACCHARIDOSIS 4

[Morquio syndrome (clinical, radiological and biochemical aspects of a case] De Sario R, et al. **Ann Osp Maria Vittoria Torino** 1983 Jan-Jun; 26(1-6):97-107 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[A case of Morquio disease in a 5-year-old boy] Iwaszkiewicz-Pawlowska A, et al. **Wiad Lek** 1985 Mar 15;38(6):452-6 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Retinal involvement in Morquio's syndrome (MPS IV). Dangel ME, et al. **Ann Ophthalmol** 1985 Jun;17(6):349-54

VETERINARY

Animal model studies of allelism: characterization of arylsulfatase B mutations in homoallelic and heteroallelic (genetic compound) homozygotes with feline mucopolysaccharidosis VI. McGovern MM, et al. **Genetics** 1985 Aug;110(4):733-49

MUCOPOLYSACCHARIDOSIS 5 see under **MUCOPOLYSACCHARIDOSIS**

MUCOPOLYSACCHARIDOSIS 6 see under **MUCOPOLYSACCHARIDOSIS**

MUCOPROTEINS

The representation of equilibrium solute distributions for nonideal polydisperse systems in the analytical ultracentrifuge. Application to mucus glycoproteins. Harding SE. **Biophys J** 1985 Feb;47(2 Pt 1):247-50

ANALYSIS

Structural analysis of the carbohydrate moieties of human Tamm-Horsfall glycoprotein. Williams J, et al. **Carbohydr Res** 1984 Nov 15;134(1):141-55

Tamm-Horsfall protein: unusual, large perinephric deposits. Walley VM, et al. **Hum Pathol** 1985 May;16(5):525-8

[Histochemical observation on ovarian mucinous tumors] Zhong CQ. **Chung Hua Chung Liu Tsa Chih** 1984 Nov; 6(6):417-9 (Eng. Abstr.) **(Chi)**

[Use of alcian green in morphological and histochemical problems] Krutsay M. **Gegenbaurs Morphol Jahrb** 1984; 130(6):813-8 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Production of mucous glycoproteins by nasal turbinates in vitro. Patow CA, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):424-6

BLOOD

Serum mucoproteins in amoebic liver abscess. Prasad NK. **J Assoc Physicians India** 1984 Jul;32(7):580-2

Serum Tamm-Horsfall protein (THP) concentration in cyclosporin treated renal transplant recipients [letter] Avis PJ, et al. **Lancet** 1985 Jul 20;2(8447):154

Elevation in blood sialic acid and mucoprotein levels during hepatic abscess in cattle. Motoi Y, et al. **Nippon Juigaku Zasshi** 1985 Jun;47(3):341-7

IMMUNOLOGY

Affinity-purified antibodies of defined specificity for use in a solid-phase microplate radioimmunoassay of human Tamm-Horsfall glycoprotein in urine. Hunt JS, et al. **Biochem J** 1985 May 1;227(3):957-63

Localization of Tamm-Horsfall-glycoprotein-like immunoreactivity in cultured baby-hamster kidney cells, shown by immunofluorescence and by light- and electron-microscopic immunoperoxidase techniques. Sikri KL, et al. **Biochem J** 1985 Jan 15;225(2):481-6

A tetraantennary glycopeptide from human Tamm-Horsfall glycoprotein inhibits agglutination of desialylated erythrocytes induced by leucoagglutinin. Serafini-Cessi F, et al. **Biosci Rep** 1984 Nov;4(11):973-8

Randomly controlled study of chemotherapy versus chemoimmunotherapy in postoperative lung cancer patients. Yasumoto K, et al. **Cancer Res** 1985 Mar; 45(3):1413-7

The role of Tamm-Horsfall protein in the pathogenesis of reflux nephropathy and chronic pyelonephritis. Andriole VT. **Yale J Biol Med** 1985 Mar-Apr;58(2):91-100 (78 ref.)

[Radioimmunologic and chromatographic correlations of urine and blood Tamm-Horsfall glycoproteins] Hartmann L, et al. **C R Soc Biol (Paris)** 1985;179(1):27-40 (Eng. Abstr.) **(Fre)**

[Circulating immunocomplexes in the blood of children with vesico-ureteral reflux] Tošić Lj, et al. **Srp Arh Celok Lek** 1984 Apr;112(4):443-52 (Eng. Abstr.) **(Scc)**

ISOLATION & PURIFICATION

Amino acid sequence of an egg-lysin protein from abalone spermatozoa that solubilizes the vitelline layer. Fridberger A, et al. **J Biol Chem** 1985 Aug 5;260(16):9092-9

METABOLISM

Human Tamm-Horsfall glycoprotein: urinary and plasma levels in normal subjects and patients with renal disease determined by a fully validated radioimmunoassay. Thornley C, et al. **Clin Sci** 1985 May;68(5):529-35

Identification of mucus glycoprotein fatty acyltransferase activity in human gastric mucosa. Liau YH, et al. **Digestion** 1985;32(1):57-62

Anaphylatoxin C3a enhances mucous glycoprotein release from human airways in vitro. Marom Z, et al. **J Exp Med** 1985 Apr 1;161(4):657-68

In vivo proteolytic activity of the mammary gland. Contribution to the origin of secretory component, beta 2-microglobulin and bovine-associated mucoprotein (BAMP) in cows milk. Pringnitz DJ, et al. **Vet Immunol Immunopathol** 1985 Jun;9(2):143-60

[Role of Tamm-Horsfall mucoprotein in calcium oxalate lithogenesis] Gambaro G, et al. **Nephrologie** 1984;5(4):171-2 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effect of mucous glycoprotein on nucleation time of human bile. Gallinger S, et al. **Gastroenterology** 1985 Sep; 89(3):648-58

Effect of Nocardia rubra cell wall skeleton and/or cyclophosphamide on leukemogenesis induced by N-ethyl-N-nitrosourea in Donryu rats. Ogiu T, et al. **J Cancer Res Clin Oncol** 1985;109(3):173-7

Tamm-Horsfall mucoprotein promotes calcium phosphate crystal formation in whole urine: quantitative studies. Rose GA, et al. **Urol Res** 1984;12(4):217-21

PHYSIOLOGY

Megakaryocytopoiesis in bone marrow-derived stromal-hemopoietic cells co-cultures: action of Tamm-Horsfall glycoprotein. Bagnara GP, et al. **Cell Differ** 1984 Oct;14(4):277-85

SECRETION

Tamm-Horsfall glycoprotein release from rat kidney cortex slices in vitro. Wirdnam PK, et al. **Clin Sci** 1984 Nov; 67(5):529-34

Tamm-Horsfall glycoprotein excretion and aggregation during intravenous urography. Relevance to acute renal failure. Dawnay AB, et al. **Invest Radiol** 1985 Jan-Feb; 20(1):53-7

URINE

Excretion of Tamm-Horsfall glycoprotein in renal disease. Lynn KL, et al. **Clin Nephrol** 1984 Nov;22(5):253-7

Tamm-Horsfall protein in Balkan endemic nephropathy. Cvorišćec D, et al. **J Clin Chem Clin Biochem** 1985 Apr; 23(4):177-81

Reduced uromucoid excretion in the elderly [letter] Sobel JD, et al. **J Infect Dis** 1985 Sep;152(3):653

Variations of urinary Tamm-Horsfall protein in humans during the first thirty years of life. Ollier-Hartmann MP, et al. **Nephron** 1984;38(3):163-6

Radioimmunoassay for serum and urinary Tamm-Horsfall glycoprotein in the rat. Wirdnam PK, et al. **Nephron** 1985; 40(3):362-7

[Normal values for sulfosalicylate-soluble mucoprotein of the urine and its clinical significance] Shiba KS, et al. **Rinsho Byori** 1984 Dec;32(12):1372-8 **(Jpn)**

[The Tamm-Horsfall protein--facts and hypotheses] Duława J, et al. **Pol Tyg Lek** 1984 Nov 5;39(45):1489-92 (48 ref.) **(Pol)**

MUCOR

ANALYSIS

The presence of two heat-stable inhibitors of phosphoprotein phosphatases in the dimorphic fungus, Mucor rouxii. Seigelchifer MA, et al. **Arch Biochem Biophys** 1985 Apr; 238(1):353-7

DRUG EFFECTS

Inducible phenotypic multidrug resistance in the fungus Mucor racemosus. Leathers TD, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):892-6

ENZYMOLOGY

[Production of milk-clotting enzymes by aerated submerged culture of a strain of Mucor mucedo] Handel M, et al. **Acta Cient Venez** 1984;35(2):111-5 (Eng. Abstr.) **(Spa)**

GENETICS

Dispersed repetitive DNA sequence of Mucor racemosus. Dewar R, et al. **J Bacteriol** 1985 Apr;162(1):438-40

METABOLISM

3-O-methylation of mannose residues. A novel reaction in the processing of N-linked oligosaccharides occurring in Mucor rouxii. Lederkremer GZ, et al. **J Biol Chem** 1984 Oct 25;259(20):12514-8

Regulation of protein synthesis factor EF-1 alpha in Mucor racemosus. Fonzi WA, et al. **Mol Cell Biol** 1985 May; 5(5):1100-3

PATHOGENICITY

Pathogenic potential of some fungal species of the genera Aspergillus, Mucor and Rhizopus. Hassan MN, et al. **Arch Exp Veterinarmed** 1984 Sep;38(5):687-91

PHYSIOLOGY

Differential gene expression during aerobic germination of Mucor racemosus sporangiospores. Linz JE, et al. **J Bacteriol** 1984 Sep;159(3):965-72

MUCORALES

Dispersal of Dictyocaulus viviparus larvae from bovine faeces in Ireland. Somers CJ, et al. **Vet Rec** 1985 Jun 22; 116(25):657-60

CLASSIFICATION

Laboratory identification of Saksenaea vasiformis: a rare cause of zygomycosis in Australia. Ellis DH, et al. **Sabouraudia** 1985 Apr;23(2):137-40

DRUG EFFECTS

[Effect of cycloheximide and actinomycin D on the phospholipid and neutral lipid content of Cunninghamella japonica] Mikhailova MV, et al. **Mikrobiologiia** 1984 Sep-Oct;53(5):816-21 (Eng. Abstr.) **(Rus)**

METABOLISM

Effects of a fluoro substituent on the fungal metabolism of 1-fluoronaphthalene. Cerniglia CE, et al. **Appl Environ Microbiol** 1984 Aug;48(2):294-300

Stereospecific microbiological 10-O-demethylation of R-(-)-10,11-dimethoxyaporphines. Davis PJ, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):407-12

Acetyl CoA carboxylase inhibitors from the fungus Gongronella butleri. Endo A, et al. **J Antibiot (Tokyo)** 1985 May;38(5):599-604

Assimilation of chlorinated alkanes by hydrocarbon-utilizing fungi. Murphy GL, et al. **J Bacteriol** 1984 Dec; 160(3):1171-4

Biotransformation of olivetol by Syncephalastrum racemosum. McClanahan RH, et al. **J Nat Prod** 1984 Sep-Oct;47(5):828-34

A review of factors affecting biosynthesis of carotenoids by the order Mucorales. Lampila LE, et al. **Mycopathologia** 1985 May;90(2):65-80 (93 ref.)

PHYSIOLOGY

Viability and pattern of emergence of Dictyocaulus viviparus larvae in sporangia of the fungus Pilobolus kleinii. Somers CJ. **Res Vet Sci** 1985 Jul;39(1):124-6

MUCORMYCOSIS

Rhinocerebral mycosis. Hazarika P, et al. **Ear Nose Throat J** 1984 Sep;63(9):464-8

Mycotic infection of the maxillary sinuses. Jirousek Z, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1983;26(4):405-22

COMPLICATIONS

Pulmonary gangrene as a complication of mucormycosis. Zagoria RJ, et al. **AJR** 1985 Jun;144(6):1195-6

Nosocomial pulmonary mucormycosis with fatal massive hemoptysis. Passamonte PM, et al. **Am J Med Sci** 1985 Feb;289(2):65-7

Massive thrombosis as a result of triple infestation of the pulmonary arterial circulation by Ascaris, Candida, and Mucor. Stermer E, et al. **Hum Pathol** 1984 Oct;15(10):996-8

Rhinocerebral mucormycosis in a diabetic ketoacidotic patient. Reich H, et al. **J Neurol** 1985;232(2):115-7

Mucormycotic meningoencephalitis in a ferret (case report). Hiruma M, et al. **Kitasato Arch Exp Med** 1984 Apr; 57(1):67-73

Mucorsinusitis in diabetes [letter] McDonogh M, et al. **S Afr Med J** 1985 Jan 19;67(3):78

[Mucormycosis--a fatal complication of diabetes mellitus] Aho H, et al. **Duodecim** 1985;101(10):1006-9 **(Fin)**

[An autopsy case of acute lymphoblastic leukemia with disseminated phycomycosis and aspergillosis] Hosokawa T, et al. **Rinsho Ketsueki** 1984 Aug;25(8):1326-31 (Eng. Abstr.) **(Jpn)**

[Diabetes mellitus and mucormycosis] Levitskaia ZI. **Sov Med** 1984;(11):119-22 **(Rus)**

DIAGNOSIS

Osteomyelitis secondary to cutaneous mucormycosis. Report of a case and a review of the literature. Maliwan N, et al. **Am J Dermatopathol** 1984 Oct;6(5):479-81

Nonfatal maxillocerebral mucormycosis with orbital involvement in a dehydrated infant. Miller RD, et al. **Ann Ophthalmol** 1980 Sep;12(9):1065-8

Mucormycosis. Report of 11 cases. Rangel-Guerra R, et al

Arch Neurol 1985 Jun;42(6):578-81

Acute, life-threatening disease first appearing as odontogenic pain. Webb DJ, et al. **J Am Dent Assoc** 1984 Dec; 109(6):936-8

Rhinocerebral mucormycosis with internal carotid occlusion: report of two cases and review of the literature. Anaissie EJ, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1107-13

Isolated renal mucormycosis. Flood HD, et al. **Postgrad Med J** 1985 Feb;61(712):175-6

[Pulmonary mucormycosis. Apropos of a case with serologic confirmation] Vincent M, et al. **Rev Mal Respir** 1984; 1(4):241-4 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Successfully treated spheno-orbital mucormycosis in an otherwise healthy adult. Zak SM, et al. **Ann Ophthalmol** 1985 Jun;17(6):344-8

An amphotericin B-resistant case of rhinocerebral mucor mycosis. Barnert J, et al. **Infection** 1985 May-Jun; 13(3):134-6

Rhino orbital mucormycosis treated with amphotericin B with successful outcome. Hemashettar BM, et al. **J Assoc Physicians India** 1985 Apr;33(4):302-4

[Cure of otologic mucormycosis in a patient with acute myeloblastic leukemia] Lepera R, et al. **Sangre (Barc)** 1985; 30(3):363-6 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Widely disseminated Cunninghamella mucormycosis in an adult renal transplant patient: case report and review of the literature. Kolbeck PC, et al. **Am J Clin Pathol** 1985 Jun;83(6):747-53

Disseminated infection caused by Cunninghamella bertholletiae in a patient with beta-thalassemia. Case report and review of the literature. Sands JM, et al. **Ann Intern Med** 1985 Jan;102(1):59-63

Laboratory identification of Saksenaea vasiformis: a rare cause of zygomycosis in Australia. Ellis DH, et al. **Sabouraudia** 1985 Apr;23(2):137-40

[Cutaneous mucormycosis in a diabetic woman. Diagnostic and therapeutic problems] Eschard JP, et al. **Rev Med Interne** 1984 Nov;5(4):298-302 (Eng. Abstr.) **(Fre)**

[Rhino-cranial mucormycosis in acute leukemia] Farack UM, et al. **Dtsch Med Wochenschr** 1985 Jan 4;110(1):24-7 (Eng. Abstr.) **(Ger)**

[Chronic myelomonocytic leukemia with aspergillosis and mucormycosis--a case report] Terada H, et al. **Nippon Rinsho** 1984 Apr;42(4):921-30 **(Jpn)**

[Development of mucormycosis infection during therapy of chronic myeloid leukemia in the acute stage] Dasović-Kneževič M, et al. **Med Pregl** 1984; 37(11-12):529-31 (Eng. Abstr.) **(Scr)**

IMMUNOLOGY

In vivo bronchoalveolar macrophage defense against Rhizopus oryzae and Aspergillus fumigatus. Waldorf AR, et al. **J Infect Dis** 1984 Nov;150(5):752-60

PATHOLOGY

Mucormycoma of the colon: early diagnosis and successful management. Agha FP, et al. **AJR** 1985 Oct;145(4):739-41

Pathologic quiz case 1: Rhinocerebral mucormycosis. Walker AN, et al. **Arch Otolaryngol** 1985 Apr;111(4):276-9

Intravenous amphetamine abuse, primary cerebral mucormycosis, and acquired immunodeficiency. Micozzi MS, et al. **J Forensic Sci** 1985 Apr;30(2):504-10

Myocardial infarct in disseminated mucormycosis: case report with special emphasis on the pathogenic mechanisms. Tuder RM. **Mycopathologia** 1985 Feb; 89(2):81-8

RADIOGRAPHY

Computed tomographic findings in orbital Mucor. Greenberg MR, et al. **West J Med** 1985 Jul;143(1):102-3

SURGERY

[A case of pulmonary mucormycosis in a diabetic patient successfully treated by lobectomy] Horikoshi H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Dec; 22(12):1147-53 (Eng. Abstr.) **(Jpn)**

[A case of myelomonocytic leukemia accompanied by pulmonary thromboembolism with mucormyces successfully treated by pulmonary lobectomy] Taneichi K, et al. **Rinsho Ketsueki** 1985 Jan;26(1):96-100 **(Jpn)**

THERAPY

[Suprasellar mucormycotic granuloma. Case report] Kurihara M, et al. **Neurol Med Chir (Tokyo)** 1984 Dec;24(12):963-8 (Eng. Abstr.) **(Jpn)**

VETERINARY

Serological diagnosis of bovine abortion due to Mortierella wolfii. Skilbeck NW. **Aust Vet J** 1984 Jul;61(7):238-9

Gastric zygomycosis (mucormycosis) in 4 suckling pigs. Sanford SE. **J Am Vet Med Assoc** 1985 Feb 15;186(4):393-4

Submandibular and disseminated zygomycosis (mucormycosis) in feeder pigs. Sanford SE, et al. **J Am Vet Med Assoc** 1985 Jan 15;186(2):171-4

Isolation of Rhizopus rhizopodiformis from a case of mucormycosis in a pig. Dion WM, et al. **Mycopathologia** 1985 Feb;89(2):127-8

MUCOUS MEMBRANE

[Headache and mucosal discomfort in Denmark. Occurrence in relation to housing and occupational conditions] Wulf HC, et al. **Ugeskr Laeger** 1984 Oct 15;146(42):3223-7 (Eng. Abstr.) **(Dan)**

DRUG EFFECTS

Proceedings of an International Workshop on Irritation Testing of Skin and Mucous Membranes. 3-5 April 1984, Kartause Ittingen, Switzerland. **Food Chem Toxicol** 1985 Feb;23(2):135-338

IMMUNOLOGY

Changes in specific B cells and the dissemination of the primed state in vivo following antigenic stimulation by different mucosal routes. Cebra JJ, et al. **Ann Allergy** 1984 Dec;53(6 Pt 2):541-9 (36 ref.)

Interaction of mucosal immune system and infections in infancy: implications in allergy. Ogra PL, et al. **Ann Allergy** 1984 Dec;53(6 Pt 2):523-34 (76 ref.)

The mucosal immune system. Sirisinha S. **Asian Pac J Allergy Immunol** 1984 Dec;2(2):281-8 (51 ref.)

The relationship between the immune system and mucus in the protection of mucous membranes. Clamp JR. **Biochem Soc Trans** 1984 Oct;12(5):754-6

Mechanisms of antibacterial immunity of mucous membranes. Franěk J, et al. **Folia Microbiol (Praha)** 1984;29(5):375-84

Mucosal immunity and the eye. Watt PJ, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 4):367-73

MICROBIOLOGY

Adherence of Candida to mucosal epithelial cells. Macura AB. **Acta Microbiol Pol** 1985;34(1):55-8

Common pathways of invasion of mucosal barriers by Neisseria gonorrhoeae and Neisseria meningitidis. McGee ZA, et al. **Surv Synth Pathol Res** 1984;3(1):1-10 (23 ref.)

[Results of microbiological research conducted during the mission of the Saliut-6 orbital station] Zaloguev SN, et al. **Kosm Biol Aviakosm Med** 1985 Mar-Apr;19(2):64-6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Fixed drug erythema with mucosal involvement. An overlooked diagnosis?] Laurberg G, et al. **Ugeskr Laeger** 1985 Jun 3;147(23):1853-4 (Eng. Abstr.) **(Dan)**

[Malignant thymoma with polymorphic exanthema and erosive mucous membrane changes] Altmeyer P, et al. **Hautarzt** 1984 Dec;35(12):645-9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Mucus and mucosa. **Ciba Found Symp** 1984;109:1-246

Lactogenic hormones stimulate the liver to secrete a factor that acts synergistically with prolactin to promote growth of the pigeon crop-sac mucosal epithelium in vivo. Nicoll CS, et al. **Endocrinology** 1985 Apr;116(4):1449-53

TRANSPLANTATION

Experimental use of free grafts of bladder mucosa in canine bladders. Successful closure of recurrent vesicovaginal fistula utilizing bladder mucosa. Coleman JW, et al. **Urology** 1985 May;25(5):515-7

[Hepato-jejunal anastomosis using a transhepatic sonde and a mucous membrane patch in high benign stenosis] Pérez Catzin F, et al. **Rev Gastroenterol Mex** 1984 Oct-Dec; 49(4):243-6 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Ultrastructure of human respiratory cilia: a study based on serial sections. Rautiainen M, et al. **Ultrastruct Pathol** 1984; 6(4):331-9

MUCOVISCIDOSIS see **CYSTIC FIBROSIS**

MUCUS

Mucoid impaction of the bronchus. DeLuca SA. **Am Fam Physician** 1985 Apr;31(4):119-20

Tension ball valve mucus plug in asthma. Niederman MS, et al. **Am J Med** 1985 Jul;79(1):131-4

Fine structure of epidermal mucous cells of some Brazilian earthworms (Oligochaeta:Annelida). Alves CE, et al. **Anat Anz** 1985;158(3):263-71

Reaction of the goblet cells in the rabbit tracheal epithelium to the oral administration of N-cyclohexyl-N-methyl-2-amino-3,5-dibrombenzyl ammonium chloride. Konrádová V, et al. **Folia Morphol (Praha)** 1985;33(1):27-33

Properties of gastric and duodenal mucus: effect of proteolysis, disulfide reduction, bile, acid, ethanol, and hypertonicity on mucus gel structure. Bell AE, et al. **Gastroenterology** 1985 Jan;88(1 Pt 2):269-80

The problem of mucus plugging in children with asthma. Maxwell GM. **J Asthma** 1985;22(3):131-7

Mucoid impaction of bronchi. A scanning electron microscopic study. Richard S, et al. **Virchows Arch [A]** 1985;406(4):489-94

ANALYSIS

Structure and gel formation in pig gastric mucus. Allen A, et al. **Biochem Soc Trans** 1984 Aug;12(4):612-5

Is the macromolecular architecture of cervical, respiratory and gastric mucins the same? Carlstedt I, et al. **Biochem Soc Trans** 1984 Aug;12(4):615-7

Conformation of human mucus glycoproteins observed by electron microscopy. Roussel P, et al. **Biochem Soc Trans** 1984 Aug;12(4):617-8

Gastric epithelial mucus--a densitometric histochemical study of aspirin-induced damage in the rat. Berrisford RG, et al. **Br J Exp Pathol** 1985 Feb;66(1):27-33

Mucus glycoprotein structure, gel formation and gastrointestinal mucus function. Allen A, et al. **Ciba Found Symp** 1984;109:137-56 (28 ref.)

Macromolecular properties and polymeric structure of mucus glycoproteins. Carlstedt I, et al. **Ciba Found Symp** 1984; 109:157-72

Some non-mucin components of mucus and their possible biological roles. Clamp JR, et al. **Ciba Found Symp** 1984; 109:121-36 (49 ref.)

Quantification of proteins in tracheobronchoalveolar lavage fluid by isoelectric focusing and scanning densitometry. A methodological study on rats. Stelander M. **Eur J Respir Dis [Suppl]** 1984;138:1-134

Gastric mucosal protection during restraint stress in rats: alteration in gastric adherent mucus and dissolved mucus in gastric secretion. Somasundaram K, et al. **Hepatogastroenterology** 1985 Feb;32(1):24-6

Urinary bladder glycoproteins of the rabbit: extraction, biochemical and immunological studies. Callahan HJ, et al. **Immunol Invest** 1985 Feb;14(1):41-55

Cyclical variations in ovarian neoplastic mucins. Nirmala V, et al. **Indian J Med Res** 1984 May;79:641-6

Collection of mucosal secretion by synthetic discs for quantitation of secretory IgA and bacteria. Kristiansen BE. **J Immunol Methods** 1984 Oct 26;73(2):251-7

Purification and characterization of a fish lectin from the external mucus of ophidiidae, Genypterus blacodes. Oda Y, et al. **J Pharmacobiodyn** 1984 Sep;7(9):614-23

Glycosaminoglycans in the bronchial mucus of patients with chronic bronchitis and mucoid impaction of the bronchus. Theocharis DA. **Life Sci** 1985 Jun 17;36(24):2287-93

CYTOLOGY

A method for measuring polymorphonuclear leukocyte concentrations in nasal mucus. Farr B, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;413:15-8

[Presence of filamentary secretory granules in the mucous cells of human bronchial glands] Richard S, et al. **Ann Pathol** 1984 Sep-Nov;4(4):309-12 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

The effects of ethanol on mucociliary clearance. Leitch GJ, et al. **Alcoholism (NY)** 1985 May-Jun;9(3):277-80

Prevalence of persistent cough and phlegm in young adults in relation to long-term ambient sulfur oxide exposure. Chapman RS, et al. **Am Rev Respir Dis** 1985 Aug; 132(2):261-7

Drugs affecting clearance of middle ear secretions: a perspective for the management of otitis media with effusion. Brown DT, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1985 Mar-Apr;117:3-15

Development of mucous cells in mouse intrapulmonary airways induced by cholera toxin, dibutyryl cyclic AMP and prostaglandin E1. Nygren H, et al. **Br J Exp Pathol** 1984 Oct;65(5):549-56

Effect of ethanol on the peptic degradation of gastric mucus glycoprotein. Laszewicz W, et al. **Digestion** 1985; 31(1):47-53

pH of mucus in rabbit trachea: cholinergic stimulation and block. Gatto LA. **Lung** 1985;163(2):109-15

Influence of buffer capacity and pH-dependent rheological properties of respiratory mucus on health effects due to acidic pollution. Holma B. **Sci Total Environ** 1985 Feb; 41(2):101-23

[Histochemical examination of gastric covering and epithelial mucus in rats. Effect of several drugs on gastric mucus] Torii A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jul; 81(7):1529-38 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

The N-terminal sequence of antileukoprotease isolated from bronchial secretion. Klasen EC, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):285-9

Quantification and enzymic identification of conjunctival surface mucus. McGhee CN, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 4):446-9

[A study on alkaline phosphatase in cervical mucus using disc electrophoresis] Yakabe A. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jan;37(1):45-52 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

The relationship between the immune system and mucus in the protection of mucous membranes. Clamp JR. **Biochem Soc Trans** 1984 Oct;12(5):754–6

Antigen challenge and canine tracheal mucus. King M, et al. **Int Arch Allergy Appl Immunol** 1985;77(3):337–42

Effects of intestinal contents from normal and immunized mice on sporozoites of Eimeria falciformis. Douglass TG, et al. **J Protozool** 1985 Feb;32(1):156–63

Relationship of histamine in tissues and antiparasitic substances in gastrointestinal mucus to the development of resistance to trichostrongyle infections in young sheep. Douch PG, et al. **Vet Parasitol** 1984 Nov;16(3–4):273–88

[Immunoglobulins A, M, G and E in the serum and nasal discharge in hay fever] Obtulowicz K, et al. **Pol Tyg Lek** 1985 Mar 25–31;40(12–13):369–72 (Eng. Abstr.) **(Pol)**

METABOLISM

A preliminary cytochemical study of mucus in chronic secretory otitis media and possible correlations with anatomical evolution tympanum. Disant F, et al. **Acta Otolaryngol (Stockh)** 1985 Mar–Apr;99(3–4):291–6

Analysis of hydrogen ion concentration in the gastric gel mucus layer. Engel E, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):G321–38

The synthesis and secretion of gastric mucus glycoprotein by mucosal cells cultured in the presence of ethanol. Slomiany A, et al. **Arch Biochem Biophys** 1985 Feb 1; 236(2):654–61

Studies of the limited degradation of mucus glycoproteins. The mechanism of the peroxide reaction. Cooper B, et al. **Biochem J** 1985 Jun 15;228(3):615–26

Quantitative aspects of mucus glycoprotein biosynthesis in rat gastric mucosa. Jentjens T, et al. **Biochem J** 1985 May 15;228(1):227–32

Effects of nicotine bitartrate on mucociliary activity. Lindberg S, et al. **Eur J Respir Dis** 1985 Jan;66(1):40–6

Human respiratory mucous glycoproteins. Shelhamer JH, et al. **Exp Lung Res** 1984;7(2):149–62

Taenia taeniaeformis: increased cell growth and neutral mucus production in the gastric mucosa of the rat with a larval infection. Rikihisa Y, et al. **Exp Parasitol** 1984 Oct; 58(2):147–55

Peripheral mucociliary clearance with high-frequency chest wall compression. Gross D, et al. **J Appl Physiol** 1985 Apr; 58(4):1157–63

In vitro acylation of rat gastric mucus glycoprotein with [3H]palmitic acid. Slomiany BL, et al. **J Biol Chem** 1984 Oct 10;259(19):11997–2000

Gastric mucus––chemistry, synthesis and secretion. Yeomans ND. **Med J Aust** 1985 Feb 4;142(3):S7–8

Combined production of mucus, amines and peptides by goblet-cell carcinoids of the appendix and ileum. Höfler H, et al. **Pathol Res Pract** 1984 Jul;178(6):555–61

Diffusion of chloride ions in the mucus on the oesophagus of Enophrys bison, a marine teleost fish. Shepard KL. **Pflugers Arch** 1984 Oct;402(2):207–10

[Cytochemical characteristics of mucus in lithiasic gallbladders] Samar ME, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1983;41(3–4):26–9 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Adhesion of a human fecal Escherichia coli strain to mouse colonic mucus. Cohen PS, et al. **Infect Immun** 1985 Apr; 48(1):139–45

PARASITOLOGY

[Current diagnostic technics: the string test] Saputo V. **Pediatr Med Chir** 1984 May–Jun;6(3):361–2 **(Ita)**

PATHOLOGY

Histopathologic examination and enumeration of polymorphonuclear leukocytes in the nasal mucosa during experimental rhinovirus colds. Winther B, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;413:19–24

Myxoid degeneration of the aortic valve and isolated severe aortic regurgitation. Allen WM, et al. **Am J Cardiol** 1985 Feb 1;55(4):439–44

PHYSIOLOGY

Mucus and pepsin role in gastric damage prevention by H2-receptor antagonists and antiulcer drugs. Impicciatore M, et al. **Acta Physiol Hung** 1984;64(3–4):253–7

Gastric mucosal barrier: stabilization of hydrophobic lining to the stomach by mucus. Hills BA. **Am J Physiol** 1985 Sep;249(3 Pt 1):G342–9

Mechanisms maintaining a low-pH microclimate in the intestine. Shiau YF, et al. **Am J Physiol** 1985 Jun;248(6 Pt 1):G608–17

Regulation of mucociliary transport [letter] Puchelle E. **Am Rev Respir Dis** 1984 Nov;130(5):952–3

Selected methods for the evaluation of the effects of drugs on mucus viscoelasticity and mucociliary clearance. Bell AE, et al. **Biorheology** 1984;Suppl 1:127–30

A new viscoelastometer for studying the rheological properties of bronchial mucus in clinical practice. Duvivier C, et al. **Biorheology** 1984;Suppl 1:119–22

Is airway mucociliary clearance of clinical relevance? Wanner A. **Bull Eur Physiopathol Respir** 1984 Nov–Dec; 20(6):477–80

Comparative studies of mucus and mucin physicochemistry. Litt M. **Ciba Found Symp** 1984;109:196–211

The role of conjunctival mucus in contact lens fitting. Liotet S, et al. **CLAO J** 1985 Apr–Jun;11(2):149–54

A phoswich multidetector probe for measuring tracheal mucus velocity. Yeates DB, et al. **Clin Phys Physiol Meas** 1984 Nov;5(4):313–20

Mucous glycoproteins: a gel of a problem. Carlstedt I, et al. **Essays Biochem** 1985;20:40–76 (139 ref.)

Hearing loss and visco-elasticity of middle ear fluid. Marsh RR, et al. **Int J Pediatr Otorhinolaryngol** 1985 Jul; 9(2):115–20

Normal values of mucociliary transport time in young subjects. Passàli D, et al. **Int J Pediatr Otorhinolaryngol** 1985 Jul;9(2):151–6

Clearance of mucus by simulated cough. King M, et al. **J Appl Physiol** 1985 Jun;58(6):1776–82

Autonomic regulation of mucociliary transport rate in the oesophagus of the frog, Rana temporaria. Morley J, et al. **J Physiol (Lond)** 1984 Aug;353:93–9

Correlation between nasal ciliary beat frequency and mucus transport rate in volunteers. Duchateau GS, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):854–9

Gastric mucus—physical properties in cytoprotection. Tasman-Jones C. **Med J Aust** 1985 Feb 4;142(3):S5–6

Scanning electron microscopic demonstration of goblet cell discharge and mucous layer on nasal ciliated respiratory epithelium. Dudley JP, et al. **Otolaryngol Head Neck Surg** 1980 Jul–Aug;88(4):439–41

Radioisotope measurement of the velocity of tracheal mucus. Russo KJ, et al. **Otolaryngol Head Neck Surg** 1985 Apr; 93(2):217–20

A functional model for extracellular gastric mucus in the rat. Morris GP, et al. **Virchows Arch [Cell Pathol]** 1984; 46(3):239–51

[The human conjunctival mucus] Liotet S, et al. **Bull Soc Ophtalmol Fr** 1984 Mar;84(3):247–9 **(Fre)**

[Mucociliary clearance 24 hours following fiber optic bronchoscopy under local anesthesia and atropine premedication] Rühle KH, et al. **Prax Klin Pneumol** 1985 Mar;39(3):99–101 (Eng. Abstr.) **(Ger)**

[Mucociliary clearance] Takizawa T, et al. **Kokyu To Junkan** 1984 Aug;32(8):767–75 (24 ref.) **(Jpn)**

[Role of mucus and cilia on dysfunction in nasal mucociliary transportation in chronic sinusitis] Majima Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep;87(9):1075–81 (Eng. Abstr.) **(Jpn)**

[Evaluation of mucociliary clearance mechanisms by radioaerosol inhalation lung scintigraphy––effect of oral bromhexine] Isawa T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Oct; 22(10):899–909 (Eng. Abstr.) **(Jpn)**

[Study of muco-ciliary transport] Passali D, et al. **Srp Arh Celok Lek** 1984 Feb;112(2):229–34 (Eng. Abstr.) **(Sce)**

SECRETION

An ultrastructural study on muciparous microcysts of the human adenohypophysis. Cinti S, et al. **Acta Anat (Basel)** 1985;121(2):94–8

Plastic bronchitis: large, branching, mucoid bronchial casts in children. Bowen A, et al. **AJR** 1985 Feb;144(2):371–5

Mucus secretion in hypertrophic, hypersecretory, protein-losing gastropathy. Kristensen M, et al. **Am J Gastroenterol** 1985 Feb;80(2):77–81

Mucus-producing tumors with mucinous biliary obstruction causing jaundice: diagnosed and treated endoscopically. Smith E, et al. **Am J Gastroenterol** 1985 Apr;80(4):287–9

Stimulation of mucus secretion, ciliary activity, and transport in frog palate epithelium. Spungin B, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C299–308

15-Hydroxyeicosatetraenoic acid is a potent inflammatory mediator and agonist of canine tracheal mucus secretion. Johnson HG, et al. **Am Rev Respir Dis** 1985 Jun; 131(6):917–22

Tracheal mucus clearance in high-frequency oscillation. II: Chest wall versus mouth oscillation. King M, et al. **Am Rev Respir Dis** 1984 Nov;130(5):703–6

Does chest physical therapy move airway secretions? Wanner A. **Am Rev Respir Dis** 1984 Nov;130(5):701–2

The role of eicosanoids in respiratory mucus hypersecretion. Lundgren JD, et al. **Ann Allergy** 1985 Jul;55(1):5–8, 11 (23 ref.)

Light and electron microscopical studies of the anatomical and functional distribution of glands in human vocal cords. El-Hifnawi H, et al. **Arch Otorhinolaryngol** 1984; 240(3):277–85

Glandular or mucus-secreting components in squamous cell carcinoma of the esophagus. Kuwano H, et al. **Cancer** 1985 Aug 1;56(3):514–8

Mucus and mucosa. **Ciba Found Symp** 1984;109:1–246

Regulation of secretion from serous and mucous cells in the trachea. Basbaum CB. **Ciba Found Symp** 1984;109:4–19 (22 ref.)

Airway mucus: composition and regulation of its secretion by neuropeptides in vitro. Coles SJ, et al. **Ciba Found Symp** 1984;109:40–60 (28 ref.)

Assessment of the 'mucus-bicarbonate' barrier in the stomach of patients with chronic gastric disorders. Guslandi M, et al. **Clin Chim Acta** 1984 Dec 29;144(2–3):133–6

The 'mucous plug syndrome'. A pulmonary embolism mimic. Bray ST, et al. **Clin Nucl Med** 1984 Sep;9(9):513–8

Reversibility of reduced mucociliary clearance in chronic sinusitis. Sakakura Y, et al. **Clin Otolaryngol** 1985 Apr; 10(2):79–83

Alterations in gastric mucus secretion in rhesus monkeys after exposure to ionizing radiation. Shea-Donohue T, et al. **Gastroenterology** 1985 Mar;88(3):685–90

Secretagogue action of adenosine in the in vivo canine tracheal mucus model. Johnson HG, et al. **Int J Immunopharmacol** 1985;7(2):159–63

Pulmonary C-fibers reflexly increase secretion by tracheal submucosal glands in dogs. Schultz HD, et al. **J Appl Physiol** 1985 Mar;58(3):907–10

Human monocyte-derived mucus secretagogue. Marom Z, et al. **J Clin Invest** 1985 Jan;75(1):191–8

Abnormal mucus: nominated but not yet elected. Forstner J, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S67–73 (15 ref.)

Prostaglandin-generating factor of anaphylaxis induces mucous glycoprotein release and the formation of lipoxygenase products of arachidonate from human airways. Marom Z, et al. **Prostaglandins** 1984 Jul; 28(1):79–91

A new PGE1 analogue (CL115,574) III. Effects on gastric acid and mucus secretion in man. Wilson DE, et al. **Prostaglandins** 1984 Jul;28(1):5–11

Morphological features of the interaction between mucus and surfactant on the bronchial mucosa. Morgenroth K, et al. **Respiration** 1985;47(3):225–31

[The gastric mucus-bicarbonate salt barrier] Guo YS. **Sheng Li Ko Hsueh Chin Chan** 1984 Jul;15(3):251–4 **(Chi)**

[Mucosecreting tumors of the appendix. 3 cases] Alexandre JH, et al. **Presse Med** 1984 Dec 1;13(43):2625–6, 2631–3 (Eng. Abstr.) **(Fre)**

[The morphology of bronchial clearance] Morgenroth K. **Fortschr Med** 1984 Oct 18;102(39):971–6 (Eng. Abstr.) **(Ger)**

[Mucociliary clearance in children with healthy lung] Hühnerbein J, et al. **Padiatr Grenzgeb** 1984;23(6):437–43 (Eng. Abstr.) **(Ger)**

[Method of mucociliary clearance measurement in children using the radio-aerosol technic] Hühnerbein J, et al. **Padiatr Grenzgeb** 1984;23(6):431–6 (Eng. Abstr.) **(Ger)**

[Ambroxol and mucociliary transport] Bossi R, et al. **Arch Monaldi** 1984 May–Jun;39(3):227–33 (Eng. Abstr.) **(Ita)**

[Effect of cloperastine on muco-ciliary clearance] Olivieri D, et al. **Arch Monaldi** 1983 Sep–Dec;38(5–6):219–23 (Eng. Abstr.) **(Ita)**

[Relationship between mucociliary transport and the dry weight of nasal secretion] Matsubara T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 May;88(5):611–5 (Eng. Abstr.) **(Jpn)**

[Biochemical mechanisms of the regulation of gastric mucus secretion in the rat: the role of prostaglandin E2 and histamine] Tairov MM, et al. **Vopr Med Khim** 1984 Jul–Aug;30(4):28–32 (Eng. Abstr.) **(Rus)**

MUD THERAPY

[Mud therapy of inflammatory gynecologic diseases and sterility of inflammatory etiology in Bulgaria] Burgudzhieva T. **Akush Ginekol (Sofiia)** 1984;23(4):341–4 (Eng. Abstr.) **(Bul)**

[Mud therapy of chronic prostatitis in Pomoriye] Prodromov A, et al. **Akush Ginekol (Sofiia)** 1984;23(4):355–7 (Eng. Abstr.) **(Bul)**

[Psoriasis vulgaris––sulfur brine therapy in 140 patients] Günther S, et al. **Z Hautkr** 1984 Sep 15;59(18):1238–43 (Eng. Abstr.) **(Ger)**

[Experience in using iodobromine water and therapeutic mud in the therapy of menstrual cycle disorders of inflammatory origin] Keshokova MP. **Akush Ginekol (Mosk)** 1985 Mar; (3):58 **(Rus)**

[Functional state of the vegetative nervous system and skin in patients with dermatoses during balneopeloidotherapy] Grebennikov VA, et al. **Vestn Dermatol Venerol** 1985 Mar; (3):43–7 (Eng. Abstr.) **(Rus)**

[Changes in the neuromuscular system of children with dysplastic scoliosis during health resort treatment including mud therapy] Golubova TF. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar–Apr; (2):58–60 **(Rus)**

[Effect of peloids and sodium chloride baths on the immunological reactivity of patients with rheumatoid arthritis] Grigor'eva VD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar–Apr; (2):13–6 (Eng. Abstr.) **(Rus)**

[Effects of the chemical factor of sapropel applications on energy metabolism of the liver and the state of proliferative processes in the thymus gland in experimental toxic hepatitis] Ioshchenko SE, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Nov–Dec; (6):23–6 (Eng. Abstr.) **(Rus)**

[Effect of mud applications on the hypophyseal-adrenal system of rats of both sexes] Leshchinskii AF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar–Apr; (2):9–13 (Eng. Abstr.) **(Rus)**

[Obtaining lipid concentrate from peloids] Matis Ela, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar–Apr; (2):63–5 **(Rus)**

[Evaluation of the anti-inflammatory action of lipids from therapeutic mud silts] Nizkodubova SV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun;(3):57-60 (Rus)

[Differentiated use of mud therapy in patients with sclerocystic ovarian syndrome] Pamfamirov IuK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Nov-Dec;(6):49-50 (Rus)

[Histological study of tissue distribution of cobalt after mud application] Ponizovskaia EV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr;(2):54-6 (Rus)

[Effects of mud application on the speed of evacuation of food from the stomach in patients with duodenal ulcer] Saakian AG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Nov-Dec;(6):17-20 (Eng. Abstr.) (Rus)

[Effect of sapropel from Lake Moltai and its components on the functions of nervous and muscle tissues (experimental study)] Serov SI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):52-3 (Rus)

[Effects of mud applications of diverse localization on the functional and morphological state of the gastroduodenal region and endocrine regulation in patients with duodenal ulcer] Vygodner EB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Nov-Dec;(6):7-14 (Eng. Abstr.) (Rus)

[Staged treatment of rheumatoid arthritis patients using hydrogen sulfide baths and peat-mud applications for the Konopkivka spring] Popovich GA. **Vrach Delo** 1984 Aug;(8):24-7 (Eng. Abstr.) (Rus)

METHODS

[Mechanical and automated methods of preparation of therapeutic mud mix and conduction of irrigation of the intestine] Kardashev VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):70-1 (Rus)

[Use of galvanomud in the combined treatment of chronic gastritis patients] Abragamovich OO, et al. **Vrach Delo** 1984 Sep;(9):25-8 (Eng. Abstr.) (Rus)

MUDPUPPY see **NECTURUS**

MULLERIAN DUCTS

Failure of mullerian duct development. The Mayer-Rokitansky-Kuster-Hauser syndrome. Wright JE. **Aust Paediatr J** 1984 Nov;20(4):325-7

Müllerian adenofibroma. Case report [letter] Anderson MC. **Br J Obstet Gynaecol** 1985 Apr;92(4):426

Müllerian adenofibroma. Case report. Hilton P, et al. **Br J Obstet Gynaecol** 1984 Dec;91(12):1261-5

Non-familial male hermaphrodite uterine hernia syndrome (a case report). Shenoy SG, et al. **J Postgrad Med** 1984 Jul;30(3):181-2

Müllerian dysgenesis. Varner RE, et al. **J Reprod Med** 1985 Jun;30(6):443-50

Urinary retention due to a müllerian duct cyst: role of ultrasonically guided fine needle aspiration in the diagnosis and treatment. Aragona F, et al. **J Urol** 1985 Aug;134(2):364-6

Unusual mullerian anomalies associated with distal extremity abnormalities. Bernhisel MA, et al. **Obstet Gynecol** 1985 Feb;65(2):291-4

Association between mullerian duct malformations and Asherman syndrome in infertile women. Stillman RJ, et al. **Obstet Gynecol** 1985 May;65(5):673-7

Intra-abdominal seminomas in persistent müllerian duct syndrome. Kazim E. **Urology** 1985 Sep;26(3):290-2

[A case of fetal testicular regression syndrome with the absence of müllerian and wolffian structures and the presence of female external genitalia] Sinisi AA, et al. **Pathologica** 1983;75 Suppl:169-73 (Ita)

[4 cases of müllerian duct cyst: echographic characteristics and ultrasonically guided cyst puncture] Kitahara S, et al. **Nippon Hiayokika Gakkai Zasshi** 1985 Mar;76(3):415-21 (Eng. Abstr.) (Jpn)

ANATOMY & HISTOLOGY

Morphological studies on the role of the periductal stroma in the regression of the human male Müllerian duct. Wartenberg H. **Anat Embryol (Berl)** 1985;171(3):311-23

CYTOLOGY

Contacts between Wolffian and Müllerian cells at the tip of the outgrowing Müllerian duct in rat embryos. Dohr G, et al. **Acta Anat (Basel)** 1984;120(3):123-8

DRUG EFFECTS

Müllerian duct maintenance in heterotypic organ culture after in vivo exposure to diethylstilbestrol. Newbold RR, et al. **Endocrinology** 1984 Nov;115(5):1863-8

Growth stimulation of the immature chick oviduct by androgens: the vagina as a new target tissue. Grau Y, et al. **J Embryol Exp Morphol** 1985 Feb;85:81-93

Subrenal capsule assay to test the viability of parenterally delivered müllerian inhibiting substance. Donahoe PK, et al. **J Pediatr Surg** 1984 Dec;19(6):863-9

METABOLISM

Epithelio-mesenchymal interface and fibronectin in the differentiation of the rat mesonephric and paramesonephric ducts. Paranko J, et al. **Differentiation** 1984;27(3):196-204

PATHOLOGY

Testicular feminization with incomplete Müllerian regression. Dodge ST, et al. **Fertil Steril** 1985 Jun;43(6):937-8

Male pseudohermaphroditism by persistent müllerian structures. Vazquez-Echarri J, et al. **Urology** 1984 Nov;24(5):446-51

[Primary cancer of a Morgagni hydatid] Dieminger HJ, et al. **Zentralbl Gynakol** 1985;107(7):442-5 (Eng. Abstr.) (Ger)

[Unilateral Mayer-Rokitansky-Küster-Hauser syndrome (unilateral Müllerian dysgenetic syndrome)] Ghirardini G, et al. **Zentralbl Gynakol** 1985;107(12):756-8 (Eng. Abstr.) (Ger)

PHYSIOLOGY

The vagina is formed by downgrowth of Wolffian and Müllerian ducts. Graphical reconstructions from normal and Tfm mouse embryos. Mauch RB, et al. **Anat Embryol (Berl)** 1985;172(1):75-87

Timing and irreversibility of Müllerian duct inhibition in the embryonic reproductive tract of the human male. Taguchi O, et al. **Dev Biol** 1984 Dec;106(2):394-8

Steroid modulation of Mullerian duct regression in the chick embryo. Hutson JM, et al. **Gen Comp Endocrinol** 1985 Jan;57(1):88-102

The fate of the grafted quail Mullerian duct in the chick embryonic coelom. Hutson JM, et al. **J Pediatr Surg** 1984 Aug;19(4):345-52

[Anti-mullerian hormone] Josso N. **Presse Med** 1984 Nov 24;13(42):2551-3 (Fre)

SURGERY

[A case of recurrent cyst of Müllerian duct] Iwai A, et al. **Hinyokika Kiyo** 1984 Oct;30(10):1471-7 (Eng. Abstr.) (Jpn)

MULTICEPS see under **CESTODA**

MULTIENZYME COMPLEXES

Resolution and reconstitution of bovine kidney branched-chain 2-oxo acid dehydrogenase complex. Cook KG, et al. **Biochem J** 1985 Feb 1;225(3):731-5

Laser light-scattering characterization of mitochondrial complex III-Triton X-100-phospholipid mixed micelles. Valpuesta JM, et al. **Biochim Biophys Acta** 1985 Apr 3;807(1):96-9

Structural organization of high-Mr mammalian aminoacyl-tRNA synthetases. Comparison of multi-enzyme complexes from different sources. Dang CV, et al. **Mol Cell Biochem** 1984 Sep;63(2):131-6

ADMINISTRATION & DOSAGE

Microinjection of Micrococcus luteus UV-endonuclease restores UV-induced unscheduled DNA synthesis in cells of 9 xeroderma pigmentosum complementation groups. de Jonge AJ, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):99-105

ANALYSIS

Analysis of the different molecular forms of penicillin-binding protein 1B in Escherichia coli ponB mutants lysogenized with specialized transducing lambda (ponB+) bacteriophages. Rojo F, et al. **Eur J Biochem** 1984 Nov 2;144(3):571-6

Association of an aminoacyl-tRNA synthetase complex and of phenylalanyl-tRNA synthetase with the cytoskeletal framework fraction from mammalian cells. Mirande M, et al. **Exp Cell Res** 1985 Jan;156(1):91-102

Isolation of the aspartokinase domain of bifunctional aspartokinase I-homoserine dehydrogenase I from E.coli K12. Veron M, et al. **FEBS Lett** 1985 Feb 25;181(2):381-4

ANTAGONISTS & INHIBITORS

Gramicidin S synthetase stabilization in vivo. Agathos SN, et al. **Ann NY Acad Sci** 1984;434:44-7

Effects of dibromothymoquinone on the structure and function of the mitochondrial bc1 complex. Degli Esposti M, et al. **Biochim Biophys Acta** 1984 Oct 26;767(1):10-20

The interaction of yeast Complex III with some respiratory inhibitors. Tsai AL, et al. **Biochim Biophys Acta** 1985 Mar 13;806(3):418-26

Effects of bc1-site electron transfer inhibitors on the absorption spectra of mitochondrial cytochromes b. Kamensky Y, et al. **FEBS Lett** 1985 Feb 11;181(1):95-9

On the mechanism of inhibition of NADH oxidase by ubiquinone-3. Landi L, et al. **J Bioenerg Biomembr** 1984 Apr;16(2):153-66

[Interaction of mitochondrial succinate:ubiquinone reductase with thenoyltrifluoroacetone and carboxin] Grivennikova VG, et al. **Biokhimiia** 1985 Mar;50(3):375-83 (Eng. Abstr.) (Rus)

[Suppression of platelet aggregation as a result of two-component inhibition of a polyenzyme system of thromboxane synthesis] Varfolomeev SD, et al. **Dokl Akad Nauk SSSR** 1985 May-Jun;282(1):194-6 (Rus)

BIOSYNTHESIS

Repression and inhibition of cephalosporin synthetases in Streptomyces clavuligerus by inorganic phosphate. Lübbe C, et al. **Arch Microbiol** 1985 Jan;140(4):317-20

Physiological and morphological effects of overproduction of membrane-bound ATP synthase in Escherichia coli K-12. von Meyenburg K, et al. **EMBO J** 1984 Aug;3(8):1791-7

DEFICIENCY

Mitochondrial myopathies: deficiencies localized to complex I and complex III of the mitochondrial respiratory chain. Morgan-Hughes JA, et al. **Biochem Soc Trans** 1985 Aug;13(4):648-50

A distinct variant of intermediate maple syrup urine disease. Gonzalez-Rios MC, et al. **Clin Genet** 1985 Feb;27(2):153-9

Absence of branched chain acyl-transferase as a cause of maple syrup urine disease. Danner DJ, et al. **J Clin Invest** 1985 Mar;75(3):858-60

Primary sucrase-isomaltase deficiency: importance of clinical judgment [letter] Moore D, et al. **Lancet** 1985 Jul 20;2(8447):164-5

Lactic acidosis and mitochondrial myopathy associated with deficiency of several components of complex III of the respiratory chain. Kennaway NG, et al. **Pediatr Res** 1984 Oct;18(10):991-9

GENETICS

Non-random patterns of nucleotide substitutions and codon strategy in the mammalian mitochondrial genes coding for identified and unidentified reading frames. Pepe G, et al. **Biochem Int** 1983 Apr;6(4):553-63

The unc operon. Nucleotide sequence, regulation and structure of ATP-synthase. Walker JE, et al. **Biochim Biophys Acta** 1984 Sep 6;768(2):164-200 (130 ref.)

The nucleotide sequences of the ponA and ponB genes encoding penicillin-binding protein 1A and 1B of Escherichia coli K12. Broome-Smith JK, et al. **Eur J Biochem** 1985 Mar 1;147(2):437-46

Amino acid substitutions that reduce the affinity of penicillin-binding protein 3 of Escherichia coli for cephalexin. Hedge PJ, et al. **Eur J Biochem** 1985 Aug 15;151(1):111-21

Identification and partial DNA sequence of the gene for the alpha-subunit of the ATP synthase complex of Chlamydomonas reinhardii chloroplasts. Hallick RB. **FEBS Lett** 1984 Nov 19;177(2):374-6

Cell culture mutants as aminoacyl-tRNA synthetase complex probes. Hampel A, et al. **Fed Proc** 1984 Dec;43(15):2991-3

Complementation analysis in lymphoid cells from five patients with different forms of maple syrup urine disease. Jinno Y, et al. **Hum Genet** 1984;68(1):54-6

Escherichia coli mutant with altered respiratory control of the frd operon. Iuchi S, et al. **J Bacteriol** 1985 Mar;161(3):1023-8

Molecular cloning of an ornithine-activating fragment of the gramicidin S synthetase 2 gene from Bacillus brevis and its expression in Escherichia coli. Krause M, et al. **J Bacteriol** 1985 Jun;162(3):1120-5

Conjugative mapping of pyruvate, 2-ketoglutarate, and branched-chain keto acid dehydrogenase genes in Pseudomonas putida mutants. Sykes PJ, et al. **J Bacteriol** 1985 Apr;162(1):203-8

Regulation of expression of the ADE3 gene for yeast C1-tetrahydrofolate synthase, a trifunctional enzyme involved in one-carbon metabolism. Appling DR, et al. **J Biol Chem** 1985 Jan 25;260(2):1248-56

Inheritance of UMP synthase in dairy cattle. Shanks RD, et al. **J Hered** 1984 Sep-Oct;75(5):337-40

Identification of the DNA sequences encoding the large subunit of the mRNA-capping enzyme of vaccinia virus. Morgan JR, et al. **J Virol** 1984 Oct;52(1):206-14

Circadian rhythms in Neurospora crassa: the effects of point mutations on the proteolipid portion of the mitochondrial ATP synthetase. Brody S, et al. **MGG** 1985;200(1):155-61

Dispensability of either penicillin-binding protein-1a or -1b involved in the essential process for cell elongation in Escherichia coli. Kato J, et al. **MGG** 1985;200(2):272-7

Overlapping of the coding regions for alpha and gamma components of penicillin-binding protein 1 b in Escherichia coli. Kato J, et al. **MGG** 1984;196(3):449-57

Nuclear genes coding for four subunits of the yeast ubiquinol-cytochrome c reductase complex are present in single copies in the haploid genome and at least two of these are located on different chromosomes. Van Loon AP, et al. **MGG** 1984;197(2):219-24

Biogenesis of mitochondria: DNA sequence analysis of mit- mutations in the mitochondrial oli1 gene coding for mitochondrial ATPase subunit 9 in Saccharomyces cerevisiae. Ooi BG, et al. **Nucleic Acids Res** 1985 Feb 25;13(4):1327-39

Characterization of pyrazofurin-resistant HeLa cells with amplification of UMP synthase gene. Kanalas JJ, et al. **Somatic Cell Mol Genet** 1985 Jul;11(4):359-69

IMMUNOLOGY

Antigenic cross-reactions among human intestinal brush-border enzymes revealed by the immunoblotting method and rabbit anti-enzyme sera. Triadou N. **J Immunol Methods** 1984 Oct 26;73(2):283-91

ISOLATION & PURIFICATION

Purification of aspartase and aspartokinase-homoserine dehydrogenase I from Escherichia coli by dye-ligand chromatography. Karsten WE, et al. **Anal Biochem** 1985 Jun;147(2):336-41

Modulation of rat liver hydroxymethylglutaryl-CoA reductase by protein phosphatases: purification of nonspecific hydroxymethylglutaryl-CoA reductase phosphatases. Calvet VE, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):753-65

Crystalline ribulose bisphosphate carboxylase/oxygenase of high integrity and catalytic activity from Nicotiana tabacum. Servaites JC. **Arch Biochem Biophys** 1985 Apr; 238(1):154-60

Immunochemical demonstration of the iron-sulfur protein in Complex III of mitochondrial electron-transfer chain. Nishikimi M, et al. **Biochem Int** 1983 Dec;7(6):793-8

Purification and characterization of the bifunctional thymidylate synthetase-dihydrofolate reductase from methotrexate-resistant Leishmania tropica. Meek TD, et al. **Biochemistry** 1985 Jan 29;24(3):678-86

Rapid isolation of a triacylglycerol synthetase complex from rat intestinal mucosa. Manganaro F, et al. **Can J Biochem Cell Biol** 1985 Feb;63(2):107-14

The primary structure of the iron-sulfur subunit of ubiquinol-cytochrome c reductase from Neurospora, determined by cDNA and gene sequencing. Harnisch U, et al. **Eur J Biochem** 1985 May 15;149(1):95-9

A complex from cultured Chinese hamster ovary cells containing nine aminoacyl-tRNA synthetases. Thermolabile leucyl-tRNA synthetase from the tsH1 mutant cell line is an integral component of this complex. Mirande M, et al. **Eur J Biochem** 1985 Mar 1;147(2):281-9

Peroxisomal beta-oxidation system of Candida tropicalis. Purification of a multifunctional protein possessing enoyl-CoA hydratase, 3-hydroxyacyl-CoA dehydrogenase and 3-hydroxyacyl-CoA epimerase activities. Moreno de la Garza M, et al. **Eur J Biochem** 1985 Apr 15;148(2):285-91

Characterization and function of pig intestinal sucrase-isomaltase and its separate subunits. Rodriguez IR, et al. **Eur J Biochem** 1984 Sep 17;143(3):575-82

Characterization of a trithionate reductase system from Desulfovibrio vulgaris. Kim JH, et al. **J Bacteriol** 1985 Aug;163(2):472-5

Purification and characterization of NADH oxidase from a strain of Leuconostoc mesenteroides. Koike K, et al. **J Biochem (Tokyo)** 1985 May;97(5):1279-88

Isolation of ubiquinol oxidase from Paracoccus denitrificans and resolution into cytochrome bc1 and cytochrome c-aa3 complexes. Berry EA, et al. **J Biol Chem** 1985 Feb 25; 260(4):2458-67

Purification of a DNA polymerase-DNA primase complex from calf thymus glands. Chang LM, et al. **J Biol Chem** 1984 Dec 10;259(23):14679-87

Isolation and characterization of the orotidine 5'-monophosphate decarboxylase domain of the multifunctional protein uridine 5'-monophosphate synthase. Floyd EE, et al. **J Biol Chem** 1985 Aug 5; 260(16):9443-51

Familial hyperlysinemias. Purification and characterization of the bifunctional aminoadipic semialdehyde synthase with lysine-ketoglutarate reductase and saccharopine dehydrogenase activities. Markovitz PJ, et al. **J Biol Chem** 1984 Oct 10;259(19):11643-6

The iron-sulfur protein of cytochrome bc1 complex. Its occurrence in the mitochondrial inner membrane in excess of the amount constituting the complex. Nishikimi M, et al. **J Biol Chem** 1985 Sep 5;260(19):10398-401

Isolation and reconstitution of the iron-sulfur protein in ubiquinol-cytochrome c oxidoreductase complex. Phospholipids are essential for the integration of the iron-sulfur protein in the complex. Shimomura Y, et al. **J Biol Chem** 1984 Nov 25;259(22):14059-63

Complete amino acid sequence of the ubiquinone binding protein (QP-C), a protein similar to the 14,000-dalton subunit of the yeast ubiquinol-cytochrome c reductase complex. Wakabayashi S, et al. **J Biol Chem** 1985 Jan 10; 260(1):337-43

Identification and initial characterisation of a pyrimidine dimer UV endonuclease (UV endonuclease beta) from Deinococcus radiodurans; a DNA-repair enzyme that requires manganese ions. Evans DM, et al. **Mutat Res** 1985 May;145(3):119-28

[Reconstruction and study of a multi-enzyme system by 11 beta-hydroxylase steroids] Martsev SP, et al. **Biokhimiia** 1985 Feb;50(2):243-57 (Eng. Abstr.) **(Rus)**

METABOLISM

Branched chain amino acid transaminase and branched chain alpha-ketoacid dehydrogenase activity in the brain, liver and skeletal muscle of acute hepatic failure rats. Takei N. **Acta Med Okayama** 1985 Feb;39(1):1-10

Activation of branched-chain keto acid dehydrogenase by exercise. Kasperek GJ, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):R166-71

Metabolic pathways as enzyme complexes: evidence for the synthesis of phenylpropanoids and flavonoids on membrane associated enzyme complexes. Hrazdina G, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):88-100

Functional characterization of the mitochondrial cytochrome b-c1 complex: steady-state kinetics of the monomeric and dimeric forms. Nalecz MJ, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):921-31

Molecular conversion between monomeric and dimeric states of the mitochondrial cytochrome b-c1 complex: isolation of active monomers. Nalecz MJ, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):619-28

Ubisemiquinone is the electron donor for superoxide formation by complex III of heart mitochondria. Turrens JF, et al. **Arch Biochem Biophys** 1985 Mar;237(2):408-14

Identification of the components of a putative cytochrome bc1 complex in Rhodopseudomonas viridis. Wynn RM, et al. **Arch Biochem Biophys** 1985 May 1;238(2):373-7

Characterization of citrate lyase from Clostridium sporosphaeroides. Quentmeier A, et al. **Arch Microbiol** 1985 Feb;141(1):85-90

Studies directed toward testing the 'channeling' hypothesis--ribonucleotides----DNA in leukemia L1210 cells. Chiba P, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):656-62

Thymidylate synthase inhibition in cells with arrested DNA synthesis is not due to an allosteric interaction in the replitase complex. Rode W, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):345-91

Thermodynamic and steady-state-kinetic investigation of the effect of NN'-dicyclohexylcarbodi-imide on H+ translocation by the mitochondrial cytochrome bc1 complex. Brand MD, et al. **Biochem J** 1985 Jan 15; 225(2):407-11

Thermodynamic control of electron flux through mitochondrial cytochrome bc1 complex. Brown GC, et al. **Biochem J** 1985 Jan 15;225(2):399-405

Purification and properties of a protein activator of phosphorylated branched-chain 2-oxo acid dehydrogenase complex. Espinal J, et al. **Biochem J** 1985 Jan 15; 225(2):509-16

The 3-dehydroquinate synthase activity of the pentafunctional arom enzyme complex of Neurospora crassa is Zn2+-dependent. Lambert JM, et al. **Biochem J** 1985 Mar 15;226(3):817-29

Kinetic pathways of formation and dissociation of the glycerol-3-phosphate dehydrogenase-fructose-1,6-bisphosphate aldolase complex. Ovádi J, et al. **Biochem J** 1985 Jul 1;229(1):57-62

Effects of diet and of alloxan-diabetes on the activity of branched-chain 2-oxo acid dehydrogenase complex and of activator protein in rat tissues. Patston PA, et al. **Biochem J** 1984 Sep 15;222(3):711-9

Effect of starvation and exercise on actual and total activity of the branched-chain 2-oxo acid dehydrogenase complex in rat tissues. Wagenmakers AJ, et al. **Biochem J** 1984 Nov 1;223(3):815-21

Increase of the activity state and loss of total activity of the branched-chain 2-oxo acid dehydrogenase in rat diaphragm during incubation. Wagenmakers AJ, et al. **Biochem J** 1984 Dec 1;224(2):491-6

Functional domains involved in aromatic amino acid biosynthesis. Coggins JR, et al. **Biochem Soc Trans** 1985 Apr;13(2):299-303

The membrane-bound fumarate reductase of Escherichia coli: an electron-paramagnetic-resonance study. Simpkin D, et al. **Biochem Soc Trans** 1985 Jun;13(3):603-7

Gramicidin S synthetase. Temperature dependence and thermodynamic parameters of substrate amino acid activation reactions. Vater J, et al. **Biochemistry** 1985 Apr 9;24(8):2022-7

Estimation of H+ to adenosine 5'-triphosphate stoichiometry of Escherichia coli ATP synthase using 31P NMR. Vink R, et al. **Biochemistry** 1984 Jul 31;23(16):3667-75

The effect of N,N'-dicyclohexylcarbodiimide on enzymes of bioenergetic relevance. Azzi A, et al. **Biochim Biophys Acta** 1984 Dec 17;768(3-4):209-26 (155 ref.)

Membrane reconstitution of the energy-conserving enzymes of oxidative phosphorylation. Casey RP. **Biochim Biophys Acta** 1984 Dec 17;768(3-4):319-47 (301 ref.)

Interactions of aminoacyl-tRNA synthetases in high-molecular-weight multienzyme complexes from rat liver. Dang CV, et al. **Biochim Biophys Acta** 1985 Jul 1; 829(3):319-26

Inhibition of energy-transducing reactions by 8-nitreno-ATP covalently bound to bovine heart submitochondrial particles: direct interaction between ATPase and redox enzymes. Herweijer MA, et al. **Biochim Biophys Acta** 1985 Aug 28;809(1):81-9

The use of 8-azido-ATP and 8-azido-ADP as photoaffinity labels of the ATP synthase in submitochondrial particles: evidence for a mechanism of ATP hydrolysis involving two independent catalytic sites? Sloothaak JB, et al. **Biochim Biophys Acta** 1985 Aug 28;809(1):27-38

Quantum-mechanical descriptions of proton transfer in biosystems containing hydrogen-bonded chains. Tomchuk PM, et al. **Biochim Biophys Acta** 1985 May 31;807(3):272-7

Antimycin binds to a small subunit of the ubiquinol: cytochrome c oxidoreductase. van Keulen MA, et al. **Biochim Biophys Acta** 1985 Jun 26;808(1):32-8

A minimal hypothesis for membrane-linked free-energy transduction. The role of independent, small coupling units. Westerhoff HV, et al. **Biochim Biophys Acta** 1984 Dec 17; 768(3-4):257-92 (281 ref.)

Activation of branched-chain alpha-ketoacid dehydrogenase complex by alpha-chloroisocaproate in normal and enzyme-deficient fibroblasts. Toshima K, et al. **Clin Chim Acta** 1985 Apr 15;147(2):103-8

Branched chain alpha-keto acid dehydrogenase in tissues from rainbow trout (Salmo gairdnerii). Ottesen I, et al. **Comp Biochem Physiol [B]** 1984;79(3):489-91

Functional changes in mitochondrial properties as a result of their membrane cryodestruction. II. Influence of freezing and thawing on ATP complex activity of intact liver mitochondria. Tsvetkov T, et al. **Cryobiology** 1985 Apr; 22(2):111-8

A new approach to the mechanism of photophosphorylation: modulation of ATP synthetase activity by limited diffusibility of nucleotides near the enzyme. Aflalo C, et al. **Curr Top Cell Regul** 1984;24:435-45

Use of coimmobilized multienzyme systems as models for in vivo processes. DeLuca M. **Curr Top Cell Regul** 1984; 24:189-96

Regulation of bovine kidney branched-chain 2-oxoacid dehydrogenase complex by reversible phosphorylation. Cook KG, et al. **Eur J Biochem** 1984 Dec 17;145(3):587-91

Import and processing of cytochrome b-c1 complex subunits in isolated hepatoma ascites cells. Inhibition by Rhodamine 6G. Kolarov J, et al. **Eur J Biochem** 1984 Oct 15; 144(2):387-92

Reversible dissociation of aspartokinase I/homoserine dehydrogenase I from Escherichia coli K 12. The active species is the tetramer. Veron M, et al. **Eur J Biochem** 1985 Sep 16;151(3):521-4

Pyridoxal phosphate-induced dissociation of the succinate: ubiquinone reductase. Choudhry ZM, et al. **FEBS Lett** 1985 Mar 11;182(1):171-5

Reduction of cytochrome b-561 through the antimycin-sensitive site of the ubiquinol-cytochrome c2 oxidoreductase complex of Rhodopseudomonas sphaeroides. Glaser EG, et al. **FEBS Lett** 1984 Dec 10; 178(2):336-42

Effect of papain digestion on redox-linked proton translocation in b-c1 complex from beef heart reconstituted into liposomes. Lorusso M, et al. **FEBS Lett** 1985 Mar 25; 182(2):370-4

Two distinct quinone-modulated modes of antimycin-sensitive cytochrome b reduction in the cytochrome bc1 complex. Robertson DE, et al. **FEBS Lett** 1984 Dec 10;178(2):343-50

Does the complex of aminoacyl-tRNA synthetases and tRNA-modifying enzymes prevent miscoding? Ryazanov AG. **FEBS Lett** 1984 Dec 3;178(1):6-9

Generation of the electrochemical potential of Na+ by the Na+-motive NADH oxidase in inverted membrane vesicles of Vibrio alginolyticus. Tokuda H, et al. **FEBS Lett** 1985 Apr 8;183(1):95-8

Solubilization and reconstitution of the Na+-motive NADH oxidase activity from the marine bacterium Vibrio alginolyticus. Tokuda H. **FEBS Lett** 1984 Oct 15; 176(1):125-8

Nutritional control of branched chain alpha-ketoacid dehydrogenase in rat hepatocytes. Harris RA, et al. **Fed Proc** 1985 May;44(8):2463-8

Regulation of branched chain alpha-ketoacid dehydrogenase complex by phosphorylation-dephosphorylation. Minisymposium report. Harris RA, et al. **Fed Proc** 1985 Feb;44(2):305-15

Trapping of the substrate-derived acyl enzyme intermediate of purified penicillin-binding protein 1a of Escherichia coli. Amanuma H, et al. **J Bacteriol** 1984 Nov;160(2):824-5

A comparative study of sulfhydryl groups required for the catalytic activity of gramicidin S synthetase and isoleucyl tRNA synthetase. Kanda M, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):701-11

A clarification of the effects of DCCD on the electron transfer and antimycin binding of the mitochondrial bc1 complex. Degli Esposti M, et al. **J Bioenerg Biomembr** 1985 Apr;17(2):109-21

Steady-state kinetics of the overall oxidative phosphorylation reaction in heart mitochondria. Evidence for linkage of the energy-yielding and energy-consuming steps by freely diffusible intermediates and for an allosteric mechanism of respiratory control at coupling site 2. Stoner CD. **J Bioenerg Biomembr** 1985 Apr;17(2):85-108

Antimycin-resistant alternate electron pathway to plastocyanin in bovine-heart complex III. Tripathy BC, et al. **J Bioenerg Biomembr** 1985 Jun;17(3):141-50

The succinate dehydrogenase of Escherichia coli. Immunochemical resolution and biophysical characterization of a 4-subunit enzyme complex. Condon C, et al. **J Biol Chem** 1985 Aug 5;260(16):9427-34

The metabolic transformations of columbinic acid and the effect of topical application of the major metabolites on rat skin. Elliott WJ, et al. **J Biol Chem** 1985 Jan 25; 260(2):987-92

Initiation of DNA synthesis by the calf thymus DNA polymerase-primase complex. Holmes AM, et al. **J Biol Chem** 1985 Sep 5;260(19):10840-6

Functional biosynthesis of cell wall peptidoglycan by polymorphic bifunctional polypeptides. Penicillin-binding protein 1Bs of Escherichia coli with activities of transglycosylase and transpeptidase. Nakagawa J, et al.

J Biol Chem 1984 Nov 25;259(22):13937–46

Identification of the binding site on cytochrome c1 for cytochrome c. Stonehuerner J, et al. **J Biol Chem** 1985 May 10;260(9):5392–8

C1–Tetrahydrofolate synthase from rabbit liver. Structural and kinetic properties of the enzyme and its two domains. Villar E, et al. **J Biol Chem** 1985 Feb 25;260(4):2245–52

Interaction and identification of ubiquinone–binding proteins in ubiquinol–cytochrome c reductase by azido–ubiquinone derivatives. Yu L, et al. **J Biol Chem** 1985 Jan 25; 260(2):963–73

Location of the catalytic site of the respiratory fumarate reductase of Escherichia coli. Simpkin D, et al. **J Gen Microbiol** 1984 Nov;130 (Pt 11):2851–5

Some properties of luminal sucrase and sucrase–isomaltase complex in rat small intestine. Abe M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Apr;31(2):243–52

Stability of multienzyme systems with feedback regulation: a graph theoretical approach. Goldstein BN, et al. **J Theor Biol** 1985 Feb 7;112(3):493–503

Uncertainties in the mechanism of thiamin pyrophosphate–dependent alpha–keto acid dehydrogenase complexes. **Nutr Rev** 1984 Sep;42(9):328–30

Maturation of sucrase–isomaltase complex in human fetal small and large intestine during gestation. Triadou N, et al. **Pediatr Res** 1985 Jan;19(1):136–8

In vivo modulation of rat liver 3–hydroxy–3–methylglutaryl–coenzyme A reductase, reductase kinase, and reductase kinase kinase by mevalonolactone. Beg ZH, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7293–7

Transport to cell surface of intestinal sucrase–isomaltase is blocked in the Golgi apparatus in a patient with congenital sucrase–isomaltase deficiency. Hauri HP, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4423–7

Subunit b of the membrane moiety (F0) of ATP synthase (F1F0) from Escherichia coli is indispensable for H+ translocation and binding of the water–soluble F1 moiety. Schneider E, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(23):7279–83

Elastase–alpha 1 antitrypsin complexes in acute leukaemia. Galloway MJ, et al. **Thromb Res** 1985 May 15;38(4):311–20

[Effect of visible light on the ATP synthetase function of mitochondria] Vishnevskii ES, et al. **Biofizika** 1984 Jul–Aug;29(4):637–9 (Eng. Abstr.) **(Rus)**

[Spectrophotometric study of cytochrome P–450 (11 beta) interaction with physiological effectors] Martsev SP, et al. **Biokhimiia** 1985 May;50(5):707–24 (Eng. Abstr.) **(Rus)**

[Catalytic properties of mitochondrial ATP–synthetase] Vinogradov AD. **Biokhimiia** 1984 Aug;49(8):1220–38 (100 ref.) **(Rus)**

[Catalytic dimorphism of soluble succinate : ubiquinone reductase] Tushurashvili PR, et al. **Dokl Akad Nauk SSSR** 1985;281(5):1261–5 **(Rus)**

PHYSIOLOGY

Independent lateral diffusion of cytochrome bc1 complex and cytochrome oxidase in the mitochondrial inner membrane. Höchli M, et al. **Eur J Cell Biol** 1985 Jul;38(1):1–5

Membrane–bound enzyme complexes in blood coagulation. Mann KG. **Prog Hemost Thromb** 1984;7:1–23 (118 ref.)

SECRETION

Secreted phospholipases of the dimorphic fungus, Candida albicans; separation of three enzymes and some biological properties. Banno Y, et al. **Sabouraudia** 1985 Feb; 23(1):47–54

MULTIHOSPITAL SYSTEMS see
MULTI–INSTITUTIONAL SYSTEMS

MULTI–INSTITUTIONAL SYSTEMS

Industry–university co–operation. Experiences, possibilities and problems as seen from a Swedish perspective. Agurell S. **Pharm Weekbl [Sci]** 1985 Apr 26;7(2):42–5

University–industry: a happy match? Wiedhaup K. **Pharm Weekbl [Sci]** 1985 Apr 26;7(2):46–50

CLASSIFICATION

Toward an empirical classification of hospitals in multihospital systems. Alexander JA, et al. **Med Care** 1985 Jul;23(7):913–32

ECONOMICS

Assessing the financial characteristics of multi–institutional organizations. Coyne JS. **Health Serv Res** 1985 Feb;19(6 Pt 1):701–15

Independent versus system–affiliated hospitals: a comparative analysis of financial performance, cost, and productivity. Levitz GS, et al. **Health Serv Res** 1985 Aug;20(3):315–39

Financial strategies of MIOs in price–competitive markets. **Top Health Care Financ** 1984 Winter;11(2):vi–vii, 1–92

Financial analysis and planning in MIOs. Coyne JS. **Top Health Care Financ** 1984 Winter;11(2):19–26

The financial characteristics of MIOs: entering an era of price competition. Coyne JS. **Top Health Care Financ** 1984 Winter;11(2):1–18

Capital formation and allocation in MIOs. Coyne JS. **Top Health Care Financ** 1984 Winter;11(2):53–62

Venture capital: past, present, and future applications. Schlosser JR. **Top Health Care Financ** 1984 Winter; 11(2):63–71

[Health care institutions with a profit goal] Stolte JB. **Ned Tijdschr Geneeskd** 1985 Feb 2;129(5):224–7 **(Dut)**

ORGANIZATION & ADMINISTRATION

Factors influencing hospital selection of emergency physician groups [letter] Mayer TA, et al. **Am J Emerg Med** 1984 Jul;2(4):374–5

Analysis of a unit management team's first year of business. Morgan R. **Br Med J [Clin Res]** 1984 Oct 20; 289(6451):1090–1

Management issues in the development and maturation of multihospital systems. Wegmiller DC. **Health Care Manage Rev** 1985 Spring;10(2):9–16

Multi–institutional arrangements: relationships between governing boards and hospital chief executive officers. Alexander J, et al. **Health Serv Res** 1985 Feb;19(6 Pt 1):675–99

Organizationally sponsored health services research. Lovett JE, et al. **Health Serv Res** 1985 Feb;19(6 Pt 1):667–74

Affiliations with multis: rurals becoming picky. Powills S. **Hospitals** 1985 Sep 1;59(17):41–2

The next generation of health care services [interview by Emily Friedman] Wegmiller D. **Hospitals** 1985 Aug 16; 59(16):125–6

The financial characteristics of hospitals under for–profit and nonprofit contract management. Alexander J, et al. **Inquiry** 1984 Fall;21(3):230–42

Operational and financial outcomes of shared laboratory services in a consolidated hospital system. Fattal GA, et al. **JAMA** 1985 Apr 12;253(14):2076–9

Managing for competitive advantage in price–driven markets. Channon B, et al. **Top Health Care Financ** 1984 Winter; 11(2):72–8

Alternative financial management structures in not–for–profit MIOs. Coyne JS. **Top Health Care Financ** 1984 Winter; 11(2):27–37

STANDARDS

JCAH assesses quality of care in multihospitals. **Hospitals** 1985 Jun 16;59(12):119, 120

TRENDS

The private management of public hospitals. Rundall TG, et al. **Health Serv Res** 1984 Oct;19(4):519–44

Multis' 1984 growth: small in numbers, large in impact. Mistarz JE. **Hospitals** 1984 Dec 16;58(24):40, 42

Multihospital systems target continuum of care strategy. Mistarz JE. **Hospitals** 1985 Mar 1;59(5):52, 56–7

The changing face of American health care. Multihospital systems, emergency centers, and surgery centers. Ermann D, et al. **Med Care** 1985 May;23(5):401–20 (107 ref.)

Refining traditional behaviors for marketplace advantage. Teslow PA. **Top Health Care Financ** 1984 Winter; 11(2):47–52

The future of the MIO in a price–competitive, price–driven market. Weinstein I. **Top Health Care Financ** 1984 Winter; 11(2):84–92

UTILIZATION

Hospital's rising admissions linked to PPA contracting. **Hospitals** 1985 Jun 1;59(11):45

MULTIMODAL TREATMENT see **COMBINED MODALITY THERAPY**

MULTIPHASIC SCREENING

Reproducibilities of blood chemical data for AMHTS examinees. Hinohara S, et al. **Med Inf (Lond)** 1984 Apr–Jun; 9(2):111–6

Screening for hypertension in a working population. Carel RS, et al. **Public Health** 1984 Nov;98(6):327–32

[Urinary polyamine analysis and its clinical significance. II. Analysis by the enzymatic assay method and its clinical application. G. Urinary polyamine values in multiphasic screening] Suzuki T, et al. **Rinsho Byori** 1984 Jul;Spec No 59:105–13 **(Jpn)**

ECONOMICS

The cost–effectiveness of health checkups––an illustrative study. Collen MF. **West J Med** 1984 Dec;141(6):786–92

METHODS

[Criticism of a partial multiphasic population screening (a rational proposal for an optimal solution) (letter)] **Orv Hetil** 1984 Sep 9;125(37):2285–6 **(Hun)**

MULTIPLE EPIPHYSEAL DYSPLASIA see
OSTEOCHONDRODYSPLASIAS

MULTIPLE MYELOMA

see related
MYELOMA PROTEINS

Tumor metastasis from multiple myeloma and Burkitt's lymphoma in Broviac catheter tracts. Stellato TA, et al. **Cancer** 1985 Jun 1;55(11):2715–7

[Multiple myeloma] Pascali E, et al. **Recenti Prog Med** 1985 Apr;76(4):225–40 (23 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

Intraneuronal accumulation of myeloma proteins. Borges LF, et al. **Arch Neurol** 1985 Jul;42(7):690–4

Native species of helix destabilizing protein–1 in mouse myeloma identified by antibody probing of Western blots. Planck SR, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):362–9

[Immunoblastic sarcoma in an IgM myeloma with the appearance of a second monoclonal component] Juliá A, et al. **Sangre (Barc)** 1985;30(3):355–62 (Eng. Abstr.) **(Spa)**

BLOOD

Heparin–like anticoagulant associated with plasma cell myeloma. Chapman GS, et al. **Am J Clin Pathol** 1985 Jun; 83(6):764–6

Polymeric (presumed tetrameric) lambda Bence Jones proteinemia without proteinuria in a patient with multiple myeloma. Hom BL. **Am J Clin Pathol** 1984 Nov; 82(5):627–9

Fibrinolysis and acquired alpha–2 plasmin inhibitor deficiency in amyloidosis. Meyer K, et al. **Am J Med** 1985 Sep;79(3):394–6

Cytomorphology in myeloma [letter] Woodruff R. **Blood** 1985 May;65(5):1292–3

The prognostic value of serum beta 2 microglobulin compared with other presentation features in myelomatosis. Cuzick J, et al. **Br J Cancer** 1985 Jul;52(1):1–6

Hyperviscosity syndrome in IgE myeloma. Proctor SJ, et al. **Br Med J [Clin Res]** 1984 Oct 27;289(6452):1112

Hyperviscosity syndrome in IgE myeloma [letter] West N. **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1539

Artefactual decrease in total protein concentration in patients with monoclonal gammopathies: a method–dependent error. Whitlow KJ, et al. **Clin Biochem** 1984 Aug; 17(4):233–5

Two distinct human myeloma cell lines originating from one patient with myeloma. Katagiri S, et al. **Int J Cancer** 1985 Aug 15;36(2):241–6

Immune complex hyperlipidemia induced by an apolipoprotein–reactive immunoglobulin A paraprotein from a patient with multiple myeloma. Characterization of this immunoglobulin. Kilgore LL, et al. **J Clin Invest** 1985 Jul;76(1):225–32

Severe deficiency of B lymphocytes in peripheral blood from multiple myeloma patients. Pilarski LM, et al. **J Clin Invest** 1984 Oct;74(4):1301–6

T cell subsets in patients with multiple myeloma. Katagiri S, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Sep; 47(6):1351–8

Chylomicronaemia in multiple myeloma. Aviram M, et al. **Scand J Haematol** 1985 May;34(5):436–41

A study of certain functional parameters of monocytes from patients with multiple myeloma: comparison with monocytes from healthy individuals. Blom J, et al. **Scand J Haematol** 1984 Nov;33(5):425–31

'Incomplete' pyroglobulin–gamma disease in a patient with osteosclerotic myeloma. Ruiz–Arguelles A, et al. **Scand J Haematol** 1984 Oct;33(4):351–5

Age–related change of distribution of immunoglobulin containing cells in human bone marrow. Changes in patients with benign monoclonal gammopathy and multiple myeloma. Suzuki K, et al. **Virchows Arch [A]** 1984; 404(3):243–51

[Bisalbuminemia. Review and observations on the acquired form in a patient with myeloma] Pola V, et al. **Vnitr Lek** 1984 Aug;30(8):813–21 (37 ref.) (Eng. Abstr.) **(Cze)**

[Importance of prognostic indicators in multiple myeloma. II. Selected hematologic indicators] Sčudla V, et al. **Vnitr Lek** 1984 Dec;30(12):1156–65 (Eng. Abstr.) **(Cze)**

[Hypercalcemia of cancer and myeloma] Lemaire V. **Rev Rhum Mal Osteoartic** 1984 Dec 15;51(11):633–42 (72 ref.) (Eng. Abstr.) **(Fre)**

[Analysis of prognostic factors in plasmacytoma] Gassmann W, et al. **Klin Wochenschr** 1984 Oct 1;62(19):896–905 (Eng. Abstr.) **(Ger)**

[Studies on a serum immunosuppressive factor in multiple myeloma] Funato T, et al. **Rinsho Byori** 1984 Sep; 32(9):997–1001 **(Jpn)**

[Serum beta 2 microglobulin concentration in patients with multiple myeloma] Mendek–Czajkowska E. **Acta Haematol Pol** 1984 Jul–Dec;15(3–4):161–5 (Eng. Abstr.) **(Pol)**

[Evaluation of changes in serum proteins by polyacrylamide gel electrophoresis in patients with multiple myeloma] Guseva SA, et al. **Vrach Delo** 1985 Jan;(1):95–9 (Eng. Abstr.) **(Rus)**

[Changes in hormone concentrations in the blood of patients with malignant diseases of the blood] Pekić B, et al. **Srp Arh Celok Lek** 1984 May;112(5):549–57 (Eng. Abstr.) **(Scc)**

[Plasmapheresis and hyperviscosity syndrome] Corral Alonso M, et al. **Sangre (Barc)** 1984;29(5):940–50 **(Spa)**

CLASSIFICATION

[The spectrum of myelomas and 'senile' myeloma (editorial)] Bonomo L. **Recenti Prog Med** 1985 Apr;76(4):223–4 **(Ita)**

COMPLICATIONS

Multiple myeloma occurring in association with a preexisting neuromuscular disease (progressive muscular dystrophy). A chance occurrence or a nosological entity? Kissling D, et al. **Acta Haematol (Basel)** 1984;72(2):94–104

Hemorrhagic diathesis in multiple myeloma. Wallace MR, et al. **Acta Haematol (Basel)** 1984;72(5):340–2

Polymeric Bence Jones proteins in serum in myeloma patients with renal insufficiency. Sølling K, et al. **Acta Med Scand** 1984;216(5):495–502

Concurrent multiple myeloma and chronic lymphocytic leukemia. Bassan R, et al. **Am J Clin Pathol** 1984 Nov; 82(5):624–7

Obstructive jaundice from hepatic amyloidosis in a patient with multiple myeloma. Calomeni JA, et al. **Am J Hematol** 1985 Jul;19(3):277–9

Transformation of myeloma into Ph1–negative CML with plasma cell antigens. Paietta E, et al. **Am J Hematol** 1985 Jul;19(3):289–92

Liver involvement in multiple myeloma. Perez–Soler R, et al. **Am J Hematol** 1985 Sep;20(1):25–9

Follicular hyperkeratosis and cryocrystalglobulinemia syndrome. Occurrence in a patient with multiple myeloma. Lukitsch O, et al. **Arch Dermatol** 1985 Jun;121(6):795–8

Amyloidosis in multiple myeloma or without apparent cause. Alexanian R, et al. **Arch Intern Med** 1984 Nov; 144(11):2158–60

Primary hyperparathyroidism complicated by multiple myeloma. Hoelzer DR, et al. **Arch Intern Med** 1984 Oct; 144(10):2069–71

Multiple myeloma in a homosexual man with chronic lymphadenopathy. Vandermolen LA, et al. **Arch Intern Med** 1985 Apr;145(4):745–6

'Long–term' survival in light–chain myeloma with dialysis therapy alone. Boyce NW, et al. **Aust NZ J Med** 1984 Oct;14(5):676–7

Multiple myeloma and primary hyperparathyroidism [letter] Mian N, et al. **Blut** 1985 Feb;50(2):117–9

Gingival bleeding as the presenting feature of multiple myeloma. Bennett JH, et al. **Br Dent J** 1984 Aug 11; 157(3):101–2

IgDK multiple myeloma presenting as unilateral proptosis. Chu JY, et al. **Can J Neurol Sci** 1985 Feb;12(1):69–72

Intracranial plasmacytoma associated with multiple myeloma. Jordan DR, et al. **Can J Ophthalmol** 1984 Oct;19(6):275–8

Hypercalcemia, renal failure, and relapse in multiple myeloma. Crawford SM. **Cancer** 1985 Feb 15;55(4):898–900

Multiple myeloma associated with immune thrombocytopenic purpura. Verdirame JD, et al. **Cancer** 1985 Sep 1;56(5):1199–200

Multiple myeloma and sick sinus syndrome [letter] Sasaki J, et al. **Chest** 1985 Apr;87(4):555

Light chain disease and massive proteinuria. Lessard F, et al. **Clin Chem** 1985 Mar;31(3):475–7

Biochemical assessment of bone disease in multiple myeloma. Stěpán JJ, et al. **Clin Chim Acta** 1984 Sep 29;142(2):203–9

The treatment of pathologic and impending pathologic fractures of the proximal femur in the elderly. Behr JT, et al. **Clin Orthop** 1985 Sep;(198):173–8

Subcorneal pustular dermatosis and IgA myeloma. Dal Tio R, et al. **Dermatologica** 1985;170(5):240–3

Monoclonal IgG immunoglobulinemia with subsequent myeloma in psoriatic arthritis. Peltonen L, et al. **Dermatologica** 1984;169(4):207–10

Amino acid sequence of an amyloidogenic Bence Jones protein in myeloma–associated systemic amyloidosis. Tonoike H, et al. **FEBS Lett** 1985 Jun 3;185(1):139–41

The value and limitations of total body scan in the diagnosis of multiple myeloma: a comparison with conventional skeletal radiography. Scutellari PN, et al. **Haematologica (Pavia)** 1985 Mar–Apr;70(2):136–42

Dialysis and transplantation in multiple myeloma. Barton CH, et al. **Int J Artif Organs** 1984 Nov;7(6):317–8

IgA . K type myeloma with severe postextraction bleeding. Urade M, et al. **Int J Oral Surg** 1985 Apr;14(2):162–8

Disseminated intravascular coagulation in a case of non–secretory myeloma. Duggan M, et al. **Ir J Med Sci** 1984 Oct;153(10):355–7

Adult Fanconi syndrome progressing to multiple myeloma. Sewell RL, et al. **J Clin Pathol** 1984 Nov;37(11):1256–8

Bullous amyloidosis associated with Bence Jones proteinemia without proteinuria. Isobe T, et al. **Jpn J Med** 1984 Aug; 23(3):254–7

Smoldering multiple myeloma associated with anemia [letter] Kanoh T, et al. **N Engl J Med** 1985 May 2;312(18):1192–3

Meningococcemia in a patient with acquired complement deficiency and myeloma [letter] Schifferli JA, et al. **N Engl J Med** 1984 Nov 22;311(21):1381–2

Porphyria cutanea tarda in association with multiple myeloma. Maier JM, et al. **NC Med J** 1984 Oct;45(10):638–9

Rapidly progressive ('crescentic') glomerulonephritis and monoclonal gammapathies. Meyrier A, et al. **Nephron** 1984; 38(3):156–62

Osteosclerotic myeloma complicated by diffuse arteritis, vascular calcification and extensive cutaneous necrosis. Raper RF, et al. **Nephron** 1985;39(4):389–92

Acute renal failure with polyarteritis nodosa and multiple myeloma. Williams AJ, et al. **Postgrad Med J** 1985 May; 61(715):445–8

Biomechanical study of cervical spine stabilization with methylmethacrylate. Panjabi MM, et al. **Spine** 1985 Apr; 10(3):198–203

Sodium fluoride treatment of bone disease in multiple myeloma. Gardner FH. **Tex Med** 1984 Dec;80(12):28–30

Plasma exchange therapy in acute renal failure due to light chain myeloma. Zucchelli P, et al. **Trans Am Soc Artif Intern Organs** 1984;30:36–9

[Light chain disease with terminal myocardiopathy] Laurent M, et al. **Arch Mal Coeur** 1985 Jun;78(6):943–6 (Eng. Abstr.) **(Fre)**

[Normolipemic plane xanthomas and IgGk myeloma with anti–lipoprotein activity. Apropos of a case. Review of the literature] Doutre MS, et al. **Dermatologica** 1985; 170(4):157–64 (Eng. Abstr.) **(Fre)**

[Hepatic biologic anomalies in light chain deposit disease (letter)] Le Verger JC, et al. **Gastroenterol Clin Biol** 1985 Feb;9(2):184–5 **(Fre)**

[Mental neuropathy in a multiple myeloma (letter)] Brissaud P, et al. **Presse Med** 1985 Jan 12;14(1):51 **(Fre)**

[Hypercalcemic crises of myelomatous origin. Treatment with dichloromethylene diphosphonate (letter)] Conte N, et al. **Presse Med** 1984 Nov 24;13(42):2586 **(Fre)**

[Specific meningeal involvement in multiple myeloma] Korinek A, et al. **Presse Med** 1985 Mar 30;14(13):733–6 (Eng. Abstr.) **(Fre)**

[Occurrence of sulfhemoglobinemia 10 years after the diagnosis of multiple myeloma (letter)] Pieron R, et al. **Presse Med** 1985 Jan 12;14(1):46–7 **(Fre)**

[Hyperhaptoglobinemia in plasmacytoma and amyloidosis] Aeschlimann A, et al. **Dtsch Med Wochenschr** 1985 Jul 12;110(28–29):1128–9 (Eng. Abstr.) **(Ger)**

[Bisalbuminemia. Critical review and report of a case of an acquired form in a myeloma patient] Pola V, et al. **Folia Haematol (Leipz)** 1985;112(1):208–18 (61 ref.) (Eng. Abstr.) **(Ger)**

[Kaposi's sarcoma and multiple myeloma] Yuzuk S, et al. **Harefuah** 1984 Jun 15;106(12):573–4 **(Heb)**

[Acquired systemic amyloidosis associated with monoclonal gammopathy] Bertoia B, et al. **Minerva Med** 1985 Jun 30; 76(26–27):1289–92 (Eng. Abstr.) **(Ita)**

[B lymphoproliferative syndrome with characteristics common to chronic lymphatic leukemia, Waldenström disease and plasmacytic leukemia] Tosato F, et al. **Minerva Med** 1984 Nov 17;75(44):2691–4 (Eng. Abstr.) **(Ita)**

[Study of cryoglobulin associated with no retraction of clot in multiple myeloma] Senju O, et al. **Rinsho Byori** 1984 Jun;32(6):683–7 **(Jpn)**

[A case of multiple myeloma complicated with amyloidosis and carpal tunnel syndrome] Ishiyama T, et al. **Rinsho Ketsueki** 1984 Nov;25(11):1809–13 (Eng. Abstr.) **(Jpn)**

[Muscle atrophy associated with osteomalacia in secondary Fanconi's syndrome following kappa type Bence Jones myeloma] Goto J, et al. **Rinsho Shinkeigaku** 1985 Mar; 25(3):301–6 (Eng. Abstr.) **(Jpn)**

[A case of multiple myeloma treated with long–term peritoneal dialysis] Uriu K, et al. **Sangyo Ika Daigaku Zasshi** 1984 Dec 1;6(4):391–6 (Eng. Abstr.) **(Jpn)**

[Case of multiple myeloma associated with pathological fracture of cervical spine at C2] Krasuski M, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(3):209–12 (Eng. Abstr.) **(Pol)**

[Optic neuritis as the first sign of multiple myeloma] Jedrzejewski D, et al. **Klin Oczna** 1984 Jul;86(7):297–9 (Eng. Abstr.) **(Pol)**

[Neurological changes in patients with multiple myeloma] Kraj M, et al. **Nowotwory** 1984 Apr–Jun;34(2):169–80 (Eng. Abstr.) **(Pol)**

[Myeloma nephropathy] Shulutko BI. **Vrach Delo** 1985 Jun; (6):63–7 **(Rus)**

[Nephrologic complications in patients with multiple myeloma] Kes P. **Lijec Vjesn** 1984 Nov–Dec; 106(11–12):476–81 (Eng. Abstr.) **(Scr)**

[High–doses BCNU in diseases of the central nervous system caused by myeloma (letter)] Estivill X, et al. **Med Clin (Barc)** 1985 Mar 9;84(9):374 **(Spa)**

[Solid tumors in multiple myeloma (letter)] Feliu J, et al. **Med Clin (Barc)** 1985 Mar 9;84(9):374–5 **(Spa)**

[Myeloma and polyneuropathy. Review apropos of 3 cases, one of them with endocrine and cutaneous changes] Montalbán C, et al. **Rev Clin Esp** 1984 Jun 15–30; 173(5–6):285–90 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Endoscopic appearance of gastric myeloma. Gutnik SH, et al. **Gastrointest Endosc** 1985 Aug;31(4):263–5

Multiple myeloma and plasma cell leukemia: two different diseases [letter] Brumana N, et al. **Haematologica (Pavia)** 1985 Jan–Feb;70(1):85–6

Prediction of therapeutic response in multiple myeloma by means of bone marrow cytologic examination [letter] Rapazzini P, et al. **Haematologica (Pavia)** 1984 Nov–Dec; 69(6):768–9

Measurement of the acoustic nonlinearity parameter B/A in human tissues by a thermodynamic method. Sehgal CM, et al. **J Acoust Soc Am** 1984 Oct;76(4):1023–9

Multiple myeloma. Bhattacharya SK, et al. **J Indian Med Assoc** 1984 Nov;82(11):394–7

Rapid development of myeloma in a patient with Hodgkin's disease. Dorn GW, et al. **J SC Med Assoc** 1984 Dec; 80(12):599–600

Another case of back pain. Johnson RE. **Minn Med** 1984 Dec;67(12):701–2

Unusual B–cell cancers that produce bone–resorbing factors and can mimic multiple myeloma [letter] Rossi JF, et al. **N Engl J Med** 1985 May 2;312(18):1192

Monoclonal antibodies and the immunodiagnosis of plasma–cellular malignancies. Haaijman JJ. **Neth J Med** 1985;28(3):102–7

Connective tissue disease manifested as multiple myeloma. Tula CJ, et al. **South Med J** 1984 Dec;77(12):1580–1

[Multiple myeloma—an analysis of 42 cases and review of the Chinese medical literature on 522 cases] Yao SQ. **Chung Hua Chung Liu Tsa Chih** 1985 May;7(3):207–10 (Eng. Abstr.) **(Chi)**

[Clinical analysis of 28 cases of multiple myeloma] Zhu JZ. **Chung Hua Nei Ko Tsa Chih** 1984 Nov;23(11):671–2 (Eng. Abstr.) **(Chi)**

[Thoracic pain, dyspnea] Baumgart P, et al. **Schweiz Rundsch Med Prax** 1985 Jun 18;74(25):684–7 (Eng. Abstr.) **(Ger)**

[Laboratory contribution to the diagnosis of micromolecular myeloma. Description of 5 cases] Derelli E, et al. **Quad Sclavo Diagn** 1984 Jun;20(2):171–80 (Eng. Abstr.) **(Ita)**

[Orbital and eyelid tumors as one of the signs of generalized lymphoma] Ciszewska J, et al. **Klin Oczna** 1984 Aug; 86(8):349–51 (Eng. Abstr.) **(Pol)**

[Diagnostic difficulties in a case of visceral lupus with disseminated neurological signs] Hoppe B, et al. **Neurol Neurochir Pol** 1984 Sep–Oct;18(5):489–91 (Eng. Abstr.) **(Pol)**

[B–cell lymphocytic leukemia and multiple myeloma in a patient] Iavorkovskiĭ LI, et al. **Gematol Transfuziol** 1985 Apr;30(4):57–9 **(Rus)**

[IgD/kappa myeloma] Golenkov AK, et al. **Ter Arkh** 1984; 56(11):129–31 (Eng. Abstr.) **(Rus)**

[Smoldering multiple myeloma] Zapatero A, et al. **Rev Clin Esp** 1985 May;176(9):469–70 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Effects of human interferon preparations on neutrophil function. Udén AM, et al. **Acta Med Scand** 1984; 216(2):179–86

Age and the treatment of multiple myeloma. Southeastern Cancer Study Group experience. Cohen HJ, et al. **Am J Med** 1985 Sep;79(3):316–24

Clinical evaluation of response or escape to chemotherapy and of survival of patients with multiple myeloma. A prospective study of 202 patients (1975–1982). Bataille R, et al. **Anticancer Res** 1984 Nov–Dec;4(6):339–45

A phase II study of alternating combination chemotherapy in 55 myeloma patients. A comparison with non–alternating combination chemotherapy and treatment with a single cytostatic. Osby E, et al. **Anticancer Res** 1985 Jul–Aug; 5(4):339–42

Intravenous and oral demethoxydaunorubicin (NSC 256–439) in the treatment of acute leukemia and lymphoma: a pilot study. Eridani S, et al. **Blut** 1985 Jun;50(6):369–72

Efficacy of the M–2 protocol in previously untreated patients with advanced multiple myeloma. Gössinger H, et al. **Blut** 1984 Nov;49(5):383–8

Objective evaluation of the role of vincristine in induction and maintenance therapy for myelomatosis. Medical Research Council Working Party on Leukaemia in Adults. MacLennan IC, et al. **Br J Cancer** 1985 Aug;52(2):153–8

Treatment strategies for plasma cell myeloma. Smith L, et al. **CA** 1985 Jul–Aug;35(4):214–20

The hematologic malignancies. Leukemia, lymphoma, and myeloma. Freireich EJ, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2741–50 (65 ref.)

Influence of treatment with APD–bisphosphonate on the bone lesions in the mouse 5T2 multiple myeloma. Radl J, et al. **Cancer** 1985 Mar 1;55(5):1030–40

Treatment of multiple myeloma with deoxycoformycin. Belch AR, et al. **Cancer Chemother Pharmacol** 1985; 14(1):49–52

Melphalan–resistant multiple myeloma: results of treatment according to the M–2 protocol. Steinke B, et al. **Cancer Chemother Pharmacol** 1985;14(3):279–81

Multiple myeloma terminating in acute eosinophilic leukemia. Maeda K, et al. **Cancer Genet Cytogenet** 1985 Mar 1; 16(1):81–9

Multiple myeloma—complete remission with high dose melphalan chemotherapy. Richards F 2d, et al. **Cancer Invest** 1985;3(1):15–21

Phase II evaluation of chlorozotocin in refractory multiple myeloma. Forman WB, et al. **Cancer Treat Rep** 1984 Nov; 68(11):1409–10

Therapy for multiple myeloma with alternating non–cross–resistant chemotherapy combinations: heterogeneity of tumor responsiveness. Morstyn G, et al. **Cancer Treat Rep** 1984 Dec;68(12):1439–46

Rate of M–component changes and plasma cell labeling index in 25 patients with multiple myeloma treated with peptichemio. Riccardi A, et al. **Cancer Treat Rep** 1985 Sep; 69(9):971–5

Diaziquone for resistant multiple myeloma. Cancer and Leukemia Group B. Vinciguerra V, et al. **Cancer Treat Rep** 1985 Mar;69(3):331–2

Prediction of therapeutic response in multiple myeloma by means of bone marrow cytology examination [letter] Rapazzini P, et al. **Haematologica (Pavia)** 1984 Sep–Oct;

69(5):640–1

Aclarubicin in the treatment of multiple myeloma. Sezaki T, et al. **Jpn J Clin Oncol** 1984 Sep;14(3):353–8

Indication for therapy in multiple myeloma: should it be stage or stability? [letter] Joshua DE, et al. **Lancet** 1985 Jul 27; 2(8448):210

Response rate and survival in myeloma patients receiving prednisone alone. McIntyre OR, et al. **Med Pediatr Oncol** 1985;13(5):239–43

Combination chemotherapy for multiple myeloma with BCNU, cyclophosphamide, vincristine, melphalan, and prednisone (M–2 protocol). Case DC Jr, et al. **Oncology** 1985;42(3):137–40

Controversies in the treatment of plasma cell myeloma. Bergsagel DE. **Postgrad Med J** 1985 Feb;61(712):109–16

Allopurinol hypersensitivity. A case report. Stein CM. **S Afr Med J** 1985 Jun 8;67(23):935–6

[Peptichemio treatment of a patient with terminal stage myeloma (letter)] Goldschmidt E, et al. **Presse Med** 1984 Dec 15;13(45):2766 (Fre)

[Phase II study with methyl 6–[3–(2–chloroethyl)–3–nitrosoureido]–6–deoxy–alpha–D–(MCNU) in hematological malignancies] Higuchi A, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1253–9 (Eng. Abstr.) (Jpn)

[Combination chemotherapy (modified M–2 protocol) for multiple myeloma] Iwata Y, et al. **Rinsho Ketsueki** 1984 Sep;25(9):1380–7 (Eng. Abstr.) (Jpn)

[Changes in peripheral blood monocyte number in patients with multiple myeloma treated with melphalan] Mendek–Czajkowska E, et al. **Acta Haematol Pol** 1984 Jul–Dec;15(3–4):119–24 (Eng. Abstr.) (Pol)

[Treatment of multiple myeloma in stages II and III with melphalan, prednisone, cyclophosphamide, vincristine and BCNU (M–2 protocol)] Montalbán C, et al. **Rev Clin Esp** 1985 May;176(8):392–5 (Eng. Abstr.) (Spa)

[Multiple myeloma in stage I. Evaluation of the initial therapy] Zapatero A, et al. **Rev Clin Esp** 1985 May; 176(8):388–91 (Eng. Abstr.) (Spa)

[Chemotherapy of multiple myeloma] Estape J, et al. **Sangre (Barc)** 1984;29(5):936–9 (Spa)

[Treatment of multiple myeloma in stages I and II. Comparative study of an M–2 protocol and melphalan–prednisone] Montalbán C, et al. **Sangre (Barc)** 1984;29(6):993–9 (Eng. Abstr.) (Spa)

[Are drug combinations useful in multiple myeloma?] Pavlovsky S. **Sangre (Barc)** 1984;29(5):872–5 (Spa)

ENZYMOLOGY

Decreased ecto–5'nucleotidase activity of peripheral blood lymphocytes in human monoclonal gammopathies: correlation with tumor cell kinetics. Massaia M, et al. **Blood** 1985 Mar;65(3):530–4

Plasma cell acid phosphatase score in multiple myeloma and related disorders. Hoffmann JJ, et al. **Br J Haematol** 1985 Jan;59(1):67–72

[Plasma cell acid phosphatase in the differential diagnosis of monoclonal gammopathies] Milanesi B, et al. **Quad Sclavo Diagn** 1984 Jun;20(2):149–54 (Eng. Abstr.) (Ita)

ETIOLOGY

Malignant lymphoma and multiple myeloma linked with agricultural occupations in a New Zealand Cancer Registry–based study. Pearce NE, et al. **Am J Epidemiol** 1985 Feb;121(2):225–37

[The POEMS syndrome (Polyneuropathy, Organomegaly, Endocrinopathy, Monoclonal component, Skin). Presentation of 3 cases] Sosa Henríquez M, et al. **Rev Clin Esp** 1985 Apr;176(6):305–7 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

Multiple myeloma in three siblings. Horwitz LJ, et al. **Arch Intern Med** 1985 Aug;145(8):1449–50

Prognostic implications of tumor cell DNA and RNA content in multiple myeloma. Barlogie B, et al. **Blood** 1985 Aug;66(2):338–41

The clinical significance of cytogenetic studies in 100 patients with multiple myeloma, plasma cell leukemia, or amyloidosis. Dewald GW, et al. **Blood** 1985 Aug; 66(2):380–90

Multiple myeloma in a pair of monozygotic twins: the first reported case. Judson IR, et al. **Br J Haematol** 1985 Jul; 60(3):551–4

Multiple myeloma and family history of cancer. A case–control study. Bourguet CC, et al. **Cancer** 1985 Oct 15;56(8):2133–9

Genetic studies in multiple myeloma. II. Immunoglobulin allotype associations. Leech SH, et al. **Cancer** 1985 Apr 1;55(7):1473–6

Cytogenetic evidence that the malignant event in multiple myeloma occurs in a precursor lymphocyte. MacKenzie MR, et al. **Cancer Genet Cytogenet** 1985 May;17(1):13–20

Karyotypic evolution in multiple myeloma. MacKenzie MR, et al. **Cancer Genet Cytogenet** 1985 Aug;17(4):301–5

Non–random chromosomal aberrations associated with multiple myeloma. Lewis JP, et al. **Hematol Oncol** 1984 Oct–Dec;2(4):307–17

[Familial plasmocytoma in mother and son] Klingler W, et al. **Onkologie** 1985 Apr;8(2):85–7 (Eng. Abstr.) (Ger)

[Analysis of constitutional heterochromatin in multiple myeloma] Ranni SM, et al. **Sangre (Barc)** 1984; 29(4–A):413–7 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Surface expression of human myeloma cells: an analysis using a panel of monoclonal antibodies. Katagiri S, et al. **Acta Haematol (Basel)** 1984;72(6):372–8

CALLA–positive myeloma: an aggressive subtype with poor survival. Durie BG, et al. **Blood** 1985 Jul;66(1):229–32

Phenotypic and functional analysis of B cell lines from patients with multiple myeloma. Goldstein M, et al. **Blood** 1985 Aug;66(2):444–6

Pre–B cells in peripheral blood of multiple myeloma patients. Pilarski LM, et al. **Blood** 1985 Aug;66(2):416–22

The association of chronic lymphocytic leukaemia and multiple myeloma: a study of eleven patients. Brouet JC, et al. **Br J Haematol** 1985 Jan;59(1):55–66

B–cell activation in human plasma cell dyscrasias. Levinson AI, et al. **Br J Haematol** 1985 Jul;60(3):437–48

Light chain isotype associated suppression of surface immunoglobulin expression on peripheral blood lymphocytes in myeloma during plateau phase. Wearne A, et al. **Br J Haematol** 1984 Nov;58(3):483–9

Cyclic lysozyme administration as a tool for immunopotentiation in patients with multiple myeloma. Vacca A, et al. **Chemioterapia** 1985 Apr;4(2):147–55

Functional behaviour and immunological phenotype of circulating B lymphocytes in multiple myeloma. Studies with pokeweed mitogen. Gobbi M, et al. **Clin Exp Immunol** 1984 Dec;58(3):625–30

Antinuclear antibodies and nuclear antigens in NZB myeloma ascitic fluids. Eisenberg RA, et al. **Clin Immunol Immunopathol** 1985 Jun;35(3):337–45

Cell cycle–dependent fluctuations in IgE secretion in a human myeloma line. Turner KJ, et al. **Clin Immunol Immunopathol** 1985 Aug;36(2):212–6

Renal failure in myeloma: relationship with isoelectric point of immunoglobulin light chains. Melcion C, et al. **Clin Nephrol** 1984 Sep;22(3):138–43

A case of IgE myeloma: methodology and review of the literature. Allevato PA, et al. **Henry Ford Hosp Med J** 1984;32(2):134–41

Serum anti–lipid A antibodies in multiple myeloma and Waldenström's macroglobulinaemia. Fink PC, et al. **Immunobiology** 1985 Feb;169(1):1–10

Multiple myeloma with monoclonal IgG and IgD of lambda type exhibiting, under treatment, a shift from mainly IgG to mainly IgD. Gallart T, et al. **Immunology** 1985 May; 55(1):45–57

Mechanisms of in vivo generation of cytotoxic activity against syngeneic tumours. I. Local differentiation of mature cytotoxic T lymphocytes in the rejection of tumours. Tsuru S, et al. **Immunology** 1985 Feb;54(2):281–8

Serum antibodies against common antigens of bacterial lipopolysaccharides in healthy adults and in patients with multiple myeloma. Stoll C, et al. **Infection** 1985 May–Jun; 13(3):115–9

Strong natural killer (NK) cell activity in bone marrow of myeloma patients: accelerated maturation of bone marrow NK cells and their interaction with other bone marrow cells. Uchida A, et al. **Int J Cancer** 1984 Sep 15; 34(3):375–81

Myelomatosis (IgD, lambda) discovered by oral manifestation. Yaegaki K, et al. **Int J Oral Surg** 1985 Aug; 14(4):381–4

Monoclonal gammopathy and mycosis fungoides. Report of four cases and review of the literature. Venencie PY, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 1):576–9

Chromatographic study of the interrelationships of immunoglobulin A and alpha 1–microglobulin in myelomatosis. Cooper EH, et al. **J Chromatogr** 1985 Jun 26;327:179–88

Cytoplasmic immunoglobulin content in multiple myeloma. Barlogie B, et al. **J Clin Invest** 1985 Aug;76(2):765–9

Abnormal function of B lymphocytes from peripheral blood of multiple myeloma patients. Lack of correlation between the number of cells potentially able to secrete immunoglobulin M and serum immunoglobulin M levels. Pilarski LM, et al. **J Clin Invest** 1985 Jun;75(6):2024–9

Analysis of the relationship between T cell subsets and in vitro B cell responses in multiple myeloma. Levinson AI, et al. **J Clin Lab Immunol** 1985 Jan;16(1):23–6

Demonstration of serum monoclonal immunoglobulin in a case of non–secretory myeloma by immunoisoelectric focusing. Sheehan T, et al. **J Clin Pathol** 1985 Jul; 38(7):806–9

Nonsecretory myeloma: analysis of two patients by immunoperoxidase studies and plaque–forming cell assay. Matsuzaki H, et al. **Jpn J Clin Oncol** 1985 Jun;15(2):467–73

Complexes of alpha 1–microglobulin and monomeric IgA in multiple myeloma and normal human sera. Vincent C, et al. **Mol Immunol** 1985 Jun;22(6):663–73

Selective inhibition of IgE versus beta 2–microglobulin in human U–266 myeloma cell line treated with T–cell–derived factors. Rossi P, et al. **Scand J Immunol** 1985 Jul;22(1):33–9

Circulating and bone marrow immunoglobulin–secreting cells in patients with monoclonal gammopathies. A simple and reliable marker for a B–cell function. Dammacco F, et al. **Semin Hematol** 1985 Apr;22(2):115–20

[A case of multiple myeloma with a 21–year preclinical biological stage] Brégeon C, et al. **Rev Med Interne** 1984 Sep;5(3):233–5 (Fre)

[Effect of the serum of a patient affected by myeloma with diffuse muscular hypertrophy on the growth of human muscle cells in vitro] Delaporte C, et al. **Rev Neurol (Paris)** 1985;141(2):109–19 (Eng. Abstr.) (Fre)

[Light chain or monoclonal immunoglobulin deposit disease. Apropos of a case associated with light chain myeloma] Clerc D, et al. **Rev Rhum Mal Osteoartic** 1985 Jan; 52(1):51–6 (29 ref.) (Fre)

[Acquired complement deficiency in myeloma] Schifferli JA. **Schweiz Rundsch Med Prax** 1984 Aug 14;73(33):999–1001 (Fre)

[Production of the leukocyte inhibitory factor (LIF) by peripheral blood lymphocytes in vitro and LIF–like plasma activity in paraproteinemic patients] Puppo F, et al. **Haematologica (Pavia)** 1984 Jul–Aug;69(4):394–402 (Eng. Abstr.) (Ita)

[Studies on the regulatory function of T cells in patients with multiple myeloma] Funato T, et al. **Gan No Rinsho** 1985 Apr;31(4):404–8 (Eng. Abstr.) (Jpn)

[Immunoelectron microscopic observation of human myeloma cells––characterization of intracellular localization of immunoglobulins in myeloma cells] Nakamura A. **Nippon Ketsueki Gakkai Zasshi** 1984 Aug; 47(5):1128–43 (Eng. Abstr.) (Jpn)

[A case of IgD–lambda type multiple myeloma with pyroglobulinemia] Ohno T, et al. **Nippon Naika Gakkai Zasshi** 1984 Jul;73(7):980–5 (Jpn)

[Multiple myeloma with two serum M components (IgG–lambda, IgA–kappa) and two Bence Jones proteins (lambda, kappa)––evidence for two distinct monoclonal cell populations and effects of chemotherapy and plasmapheresis] Wakui H, et al. **Nippon Naika Gakkai Zasshi** 1984 Dec;73(12):1811–7 (Jpn)

[Monocyte–macrophage function in multiple myeloma] Funato T, et al. **Rinsho Byori** 1984 Dec;32(12):1379–83 (Jpn)

[An approach of immunology. Immunological abnormalities in multiple myeloma] Funato T, et al. **Rinsho Byori** 1984 Aug;32(8):828–34 (Jpn)

[A case of IgA2m(2)–K type multiple myeloma consists double precipitin lines] Fukushima H, et al. **Rinsho Ketsueki** 1984 Jul;25(7):1103–8 (Eng. Abstr.) (Jpn)

[A case of multiple myeloma with double M–protein peaks for IgG–kappa and IgA–kappa] Tadao F, et al. **Rinsho Ketsueki** 1984 Oct;25(10):1646–52 (Eng. Abstr.) (Jpn)

[Non–secreting form of IgD multiple myeloma] Kraj M, et al. **Nowotwory** 1984 Oct–Dec;34(4):355–8 (Eng. Abstr.) (Pol)

[The Rubenosticon test in hematologic and lymphoreticular diseases] Milejski P, et al. **Pol Tyg Lek** 1984 Jun 11; 39(24):815–8 (Eng. Abstr.) (Pol)

[Cytotoxic properties of an immunotoxin interacting with mouse myeloma cells] Tonevitskii AG, et al. **Dokl Akad Nauk SSSR** 1984;277(3):756–9 (Rus)

[Surface phenotype and suppressor function of the blood lymphocytes in multiple myeloma] Evsev'eva AI, et al. **Eksp Onkol** 1984;6(6):67–8 (Eng. Abstr.) (Rus)

[Activity of natural killers in monoclonal gammapathies] Pozdniakova LV, et al. **Gematol Transfuziol** 1985 Jun; 30(6):26–9 (Eng. Abstr.) (Rus)

[Double myeloma with mediastinal involvement (letter)] de Gracia J, et al. **Med Clin (Barc)** 1984 Sep 29;83(9):393 (Spa)

[IgG lymphoma versus IgM myeloma: 2 dislocated biological phenotypes] Sánchez Fayos J. **Med Clin (Barc)** 1984 Sep 15;83(7):301–3 (Spa)

[Immunologic and ultrastructural study of a non–secretor IgG multiple myeloma] Galán Galán F, et al. **Rev Clin Esp** 1985 Jan;176(1):46–8 (Eng. Abstr.) (Spa)

METABOLISM

Inhibition of protein synthesis by monoclonal anti–idiotypic antibody–ricin A chain conjugates in MOPC 315 myeloma cells. Marks A, et al. **Anticancer Res** 1985 Jul–Aug; 5(4):431–4

Kinetics of amino acid transport by human–mouse myeloma hybrids––difference between human immunoglobulin producers and nonproducers. Ciepiinski W, et al. **Cancer Biochem Biophys** 1985 Feb;7(4):309–16

Fc receptors on cultured myeloma and hybridoma cells. Teillaud JL, et al. **J Immunol** 1985 Mar;134(3):1774–9

The receptor for transferrin on murine myeloma cells: one–step purification based on its physiology, and partial amino acid sequence. van Driel IR, et al. **J Immunol** 1984 Dec;133(6):3220–4

[Hypocalcemia, calcium active hormones and osteocalcin in a case of multiple myeloma] Pedrazzoni M, et al. **Recenti Prog Med** 1985 May;76(5):260–2 (Eng. Abstr.) (Ita)

[Tetrameric Bence Jones protein––case report and review of the literature] Inoue N, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Nov;47(7):1456–9 (Eng. Abstr.) (Jpn)

[A case report of multiple myeloma with marked Bence Jones proteinuria but slight serum mono component (IgG–kappa), showing lymphoid plasma cells in the bone marrow] Hishitani Y, et al. **Rinsho Ketsueki** 1984 Nov;25(11):1831–6

(Eng. Abstr.) (Jpn)

[B-activin and immunocorrection] Petrov RV, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):41–4 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Catalogue of Epstein–Barr virus (EBV) receptors on human malignant and non-malignant hematopoietic cell lines. Tatsumi E, et al. **Leuk Res** 1985;9(2):231–8

MORTALITY

Race, poverty, and survival in multiple myeloma. Savage D, et al. **Cancer** 1984 Dec 15;54(12):3085–94

Mortality from multiple myeloma among North Carolina furniture workers. Tollerud DJ, et al. **JNCI** 1985 Apr; 74(4):799–801

Prognostic factors in IgD myeloma: a study of 21 cases. Fibbe WE, et al. **Scand J Haematol** 1984 Nov;33(5):471–5

[Evaluation of the prognosis and response to therapy in multiple myeloma] Venturino M, et al. **Recenti Prog Med** 1984 May;75(5):451–61 (Eng. Abstr.) (Ita)

OCCURRENCE

Multiple myeloma on the Fylde coast [letter] Flanagan NG, et al. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1075

Socioeconomic status and risk of multiple myeloma. Johnston JM, et al. **J Epidemiol Community Health** 1985 Jun; 39(2):175–8

[Epidemiology of multiple myeloma in the province of Cáceres (letter)] Gaspar G, et al. **Med Clin (Barc)** 1985 Apr 13;84(14):589–90 (Spa)

PATHOLOGY

Coexistence of nonsecreting and nonproducing light chain multiple myeloma. Sommer I, et al. **Acta Haematol (Basel)** 1985;73(3):173–5

Nucleolus-associated localization of J chains in IgG 1(lambda)-producing myeloma cells. Kanoh T, et al. **Am J Clin Pathol** 1985 May;83(5):577–81

Phagocytic myeloma cells. Report of a case and review of the literature. Kanoh T, et al. **Am J Clin Pathol** 1985 Jul; 84(1):121–4

Multiple myeloma with crystalline inclusions in most hemopoietic cells. Gabriel L, et al. **Am J Hematol** 1985 Apr;18(4):405–11

Clear cell myeloma. Chen KT, et al. **Am J Surg Pathol** 1985 Feb;9(2):149–54

Axonal attenuation and secondary segmental demyelination in myeloma neuropathies. Ohi T, et al. **Ann Neurol** 1985 Mar;17(3):255–61

Colcemid treatment of myeloma prior to cell fusion increases the yield of hybridomas between myeloma and splenocyte. Miyahara M, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):903–8

Establishment of two new myeloma cell lines from bilateral pleural effusions: evidence for sequential in vivo clonal change. Durie BG, et al. **Blood** 1985 Sep;66(3):548–55

Associated chronic lymphocytic leukemia and multiple myeloma: origin from a single clone. Fermand JP, et al. **Blood** 1985 Aug;66(2):291–3

Multiple myeloma: significance of plasmablastic subtype in morphological classification. Greipp PR, et al. **Blood** 1985 Feb;65(2):305–10

Separation of malignant plasma cells from the bone marrow of patients with myelomatosis. Ali FM, et al. **Br J Haematol** 1985 Mar;59(3):419–23

Staging systems for multiple myeloma: a comparison. Gassmann W, et al. **Br J Haematol** 1985 Apr;59(4):703–11

Multiple myeloma in a child. Bernstein SC, et al. **Cancer** 1985 Oct 15;56(8):2143–7

Malignant plasmacytic ascites. A report of two cases and a review of the literature. Greer JP, et al. **Cancer** 1985 Oct 15;56(8):2001–4

Human tumor cell destruction by distilled water. An in vitro evaluation. Mercill DB, et al. **Cancer** 1985 Jun 15; 55(12):2779–82

A case of multiple myeloma with two subclones producing separately kappa and defective gamma chains. Metz K, et al. **Cancer** 1985 Sep 15;56(6):1392–5

Establishment of growth factor-dependent MOPC 104E cell line in vitro. Shrestha K, et al. **Cell Immunol** 1985 Jan; 90(1):24–31

Lymphoproliferative disorders in the bone marrow: histologic criteria for classification and staging. Bartl R, et al. **Haematologia (Budap)** 1984;17(2):227–46

In vitro determination of tumour chemosensitivity in haematological malignancies. Bird MC, et al. **Hematol Oncol** 1985 Jan–Mar;3(1):1–10

Acute effects of salmon calcitonin in multiple myeloma: a valuable method for serial evaluation of osteoclastic lesions and disease activity—a prospective study of 125 patients. Bataille R, et al. **J Clin Oncol** 1985 Feb;3(2):229–36

A case of cutaneous plasmacytosis. Ishii N, et al. **J Dermatol (Tokyo)** 1984 Dec;11(6):565–9

Multiple myeloma with initial presentation in the jaw: a clinical-pathologic discussion. Senn JS, et al. **J Oral Pathol** 1985 Apr;14(4):282–8

Differential sensitivities of long-term cultured cell lines derived from human haematopoietic malignancies to various anti-cancer drugs. Morikawa K, et al. **Jpn J Med** 1985 Feb;24(1):87–8

Glycosaminoglycans and the substrate attachment of murine myeloma, 3T3, and cutaneous fibrosarcoma cells. Piepkorn MW, et al. **Lab Invest** 1985 Jul;53(1):22–9

Cholesterol requirement of NS-1 mouse myeloma cells for growth in serum-free medium. Sato JD, et al. **Mol Biol Med** 1984 Apr;2(2):121–34

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 45-1984. Oliguric renal failure of uncertain cause in a 61-year-old man. **N Engl J Med** 1984 Nov 8;311(19):1239–47

Non-secreting extramedullary plasmacytoma with late involvement of the pancreas causing obstructive jaundice. Speelberg B, et al. **Neth J Med** 1985;28(7):291–94

Critical considerations on a comparative study of two staging systems for multiple myeloma. Merlini G, et al. **Nouv Rev Fr Hematol** 1984;26(6):397–400

Experimental approaches to drug testing and clonogenic growth: results in multiple myeloma and acute myelogenous leukemia. Durie BG. **Recent Results Cancer Res** 1984;94:93–101

[Prognostic factors and staging of myelomatosis] Bjerrum OW, et al. **Ugeskr Laeger** 1985 Apr 8;147(15):1258–62 (Eng. Abstr.) (Dan)

[Contesting a critique of the comparison of 2 prognostic classifications of multiple myeloma] Pesce A, et al. **Nouv Rev Fr Hematol** 1984;26(6):401 (Fre)

[Myelomatous bone. Histomorphometric study and therapeutic effects] Charhon SA, et al. **Rev Rhum Mal Osteoartic** 1984 Dec 15;51(11):657–62 (Eng. Abstr.) (Fre)

[Thyroid manifestation of multiple myeloma detected by aspiration cytology] Szántó I, et al. **Orv Hetil** 1984 Aug 26;125(35):2131–2 (Eng. Abstr.) (Hun)

[Clinical and diagnostic considerations on a case of pancreatic plasmacytoma] Borgia G, et al. **Minerva Med** 1984 Dec 15;75(47–48):2839–42 (Eng. Abstr.) (Ita)

[Monoclonal gammopathies in the aged] Di Diego E, et al. **Minerva Med** 1985 Jun 8;76(24):1129–36 (Eng. Abstr.) (Ita)

[Multiple neoplastic combinations in the aged. Case contribution] Pupillo M, et al. **Minerva Med** 1985 Apr 28; 76(17–18):859–64 (Eng. Abstr.) (Ita)

[Non-secretory plasmacytoma. Bibliographic review and immunohistochemical study of a case] Scolozzi R, et al. **Minerva Med** 1985 Jun 30;76(26–27):1279–84 (Eng. Abstr.) (Ita)

[Oral manifestations of myeloma] Grulliero A, et al. **Minerva Stomatol** 1984 Nov–Dec;33(6):961–6 (Eng. Abstr.) (Ita)

[Acute renal insufficiency in multiple myeloma. Ultrastructural study of multinuclear giant cells] Palazzi P, et al. **Minerva Urol Nefrol** 1984 Oct–Dec;36(4):267–76 (Eng. Abstr.) (Ita)

[Glomerular diseases and myeloma and amyloidosis] Kagimoto T, et al. **Nippon Rinsho** 1984 Jun;42(6):1430–4 (Jpn)

[Leukemia and other neoplasms in patients with multiple myeloma] Kraj M, et al. **Nowotwory** 1985 Jan–Mar; 35(1):64–73 (Eng. Abstr.) (Pol)

[Combined chronic lympholeukemia and myeloma disease] Gordon IB, et al. **Vrach Delo** 1984 Aug;(8):58–9 (Rus)

[Multiple myeloma: analysis of prognostic factors and classification by stages] Bladé J, et al. **Sangre (Barc)** 1984; 29(5):918–26 (Spa)

[Prognostic factors and stages in multiple myeloma] Hernández JM, et al. **Sangre (Barc)** 1984;29(5):927–35 (Spa)

PHYSIOPATHOLOGY

Impact of renal function on the myeloma staging [letter] Bladé J, et al. **Scand J Haematol** 1984 Oct;33(4):399–400

[Significance of prognostic indicators in multiple myeloma. I. Clinical, biochemical and radiographic indicators] Sćudla V, et al. **Vnitr Lek** 1984 Dec;30(12):1145–55 (Eng. Abstr.) (Cze)

[Respiratory function changes in multiple myeloma] Lauta VM, et al. **Recenti Prog Med** 1985 Apr;76(4):188–93 (Eng. Abstr.) (Ita)

PSYCHOLOGY

Care of patients with incurable, chronic neoplasm. One patient's perspective. Papper S. **Am J Med** 1985 Feb; 78(2):271–6

RADIOGRAPHY

Computed tomography in diagnosis and management of multiple myeloma and its variants. Kyle RA, et al. **Arch Intern Med** 1985 Aug;145(8):1451–2

Multiple myeloma. Nair KR, et al. **J Assoc Physicians India** 1984 Dec;32(12):1065–6

Multiple myeloma: evaluation by CT. Schreiman JS, et al. **Radiology** 1985 Feb;154(2):483–6

Quantification of bone lytic lesions and prognosis in myelomatosis. de Gramont A, et al. **Scand J Haematol** 1985 Jan;34(1):78–82

[Radiological diagnosis of neoplastic disorders of the hematopoietic system] Ohsawa T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Dec 25; 44(12):1449–69 (Eng. Abstr.) (Jpn)

[Laryngeal localization of a multiple myeloma. A clinical case] Otero Gómez-Quintero M, et al. **An Otorrinolaringol Ibero Am** 1985;12(1):5–18 (Eng. Abstr.) (Spa)

RADIONUCLIDE IMAGING

[Comparison between traditional skeletal radiography and total body bone scintigraphy in the diagnosis of multiple myeloma] Scutellari PN, et al. **Radiol Med (Torino)** 1984 May;70(5):271–6 (Eng. Abstr.) (Ita)

RADIOTHERAPY

Systemic irradiation in multiple myeloma: a report on nineteen cases. Rostom AY, et al. **Br J Haematol** 1984 Nov; 58(3):423–31

Double hemibody irradiation in chemotherapy-resistant multiple myeloma. Thomas PJ, et al. **Cancer Treat Rep** 1984 Sep;68(9):1173–5

Hemibody irradiation in multiple myeloma. Tobias JS, et al. **Radiother Oncol** 1985 Jan;3(1):11–6

[Multiple myeloma of the bones. Treatment by 2-stage whole-body irradiation. 7 cases] Troussard X, et al. **Presse Med** 1984 Nov 17;13(41):2499–502 (Eng. Abstr.) (Fre)

[Role of radiotherapy in the integral treatment of myeloma. Our experience in 51 cases] Valls Fontanals A, et al. **Rev Clin Esp** 1985 Feb;176(2):68–71 (Eng. Abstr.) (Spa)

SECONDARY

Multiple myeloma: with extra-medullary lesions. Bhattacharya SK, et al. **J Assoc Physicians India** 1984 Jun; 32(6):523–5

THERAPY

Treatment of plasma cell neoplasm with recombinant leukocyte A interferon and human lymphoblastoid interferon. Ohno R, et al. **Cancer Chemother Pharmacol** 1985;14(1):34–7

Human leukocyte interferon and intermittent high-dose melphalan-prednisone administration in the treatment of multiple myeloma: a randomized clinical trial from the Myeloma Group of Central Sweden. Ahre A, et al. **Cancer Treat Rep** 1984 Nov;68(11):1331–8

Phase II study of rDNA human alpha-2 interferon in multiple myeloma. Wagstaff J, et al. **Cancer Treat Rep** 1985 May; 69(5):495–8

Improved survival in multiple myeloma with combination chemotherapy and plasmapheresis. Wahlin A, et al. **Haematologia (Budap)** 1984;17(4):465–71

Therapeutic trial of plasma exchange in osteosclerotic myeloma associated with the POEMS syndrome. Silberstein LE, et al. **J Clin Apheresis** 1985;2(3):253–7

Phase II study of recombinant alpha-2 interferon in resistant multiple myeloma. Costanzi JJ, et al. **J Clin Oncol** 1985 May;3(5):654–9

[Phase II study of recombinant leukocyte A interferon (Ro 22-8181) in hematological malignancies] **Gan To Kagaku Ryoho** 1985 Apr;12(4):928–35 (Eng. Abstr.) (Jpn)

[Treatment of hematological malignancies with recombinant leukocyte A interferon (rIFN-alpha A)] Ohno R, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2531–6 (Eng. Abstr.) (Jpn)

[Clinical study on therapeutic plasmapheresis—mechanism of its efficacy, indications, and clinical application. d. Hyperviscosity syndrome] Ito K. **Nippon Rinsho** 1984 Aug; 42(8):1870–4 (Jpn)

[Clinical study on the effect of human lymphoblastoid interferon in B-cell malignancies] Takeyama H, et al. **Rinsho Ketsueki** 1984 Dec;25(12):1921–7 (Eng. Abstr.) (Jpn)

ULTRASTRUCTURE

Amyloid neuropathy: relationship between amyloid fibrils and macrophages. Vital A, et al. **Ultrastruct Pathol** 1984; 7(1):21–4

[Needle-shaped cytoplasmic inclusions in myeloma cells] Shionoya S, et al. **Rinsho Ketsueki** 1984 Sep;25(9):1446–51 (Eng. Abstr.) (Jpn)

[Ultrastructural changes in neoplastic cells of the bone marrow of a patient with multiple myeloma] Kraj M, et al. **Nowotwory** 1985 Jan–Mar;35(1):74–80 (Eng. Abstr.) (Pol)

URINE

The urinary myeloma cast. Frequency of detection and clinical correlations in 30 patients with multiple myeloma. Cheson BD, et al. **Am J Clin Pathol** 1985 Apr;83(4):421–5

Light-chain proteinuria: spurious false-negative reaction to sulfosalicylic acid [letter] Nahman NS Jr, et al. **Ann Intern Med** 1985 Apr;102(4):557–8

Myeloma cells in the urine. Neal MH, et al. **Arch Pathol Lab Med** 1985 Sep;109(9):870–2

Complete amino acid sequence of a unique protein related to the variable domain of lambda light chain from a case with Fanconi syndrome. Kametani F, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):848–52

Primary structure of the variable region of an amyloidogenic Bence Jones protein NIG-77. Tonoike H, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1228–34

The urinary hydroxyproline: creatinine ratio as an additional differential test between nonmyelomatous gammopathies and multiple myeloma. Pane P, et al. **Haematologica (Pavia)** 1985 Mar-Apr;70(2):110-4

[Are measurements of the urinary excretion of fasting calcium, phosphorus and hydroxyproline usefull in myeloma? (letter)] Legendre C, et al. **Presse Med** 1985 Apr 20;14(16):897 (Fre)

MULTIPLE ORGAN FAILURE

Sequential system failure after abdominal surgery--an important problem in postoperative care. Mizote H, et al. **Kurume Med J** 1984;31(2):145-9

[Multiple organ failure in postinfarction ventricular septal perforation--with special reference to kidney failure] Nishida H, et al. **Rinsho Kyobu Geka** 1984 Sep;4(5):593-602 (Eng. Abstr.) (Jpn)

[Multiorgan failure secondary to heat stroke: anatomoclinical study] Felices Abad FJ, et al. **Med Clin (Barc)** 1984 Nov 10;83(15):615-9 (Eng. Abstr.) (Spa)

DIAGNOSIS

A proposal for two new nursing diagnoses: potential for organ failure and potential for tissue destruction. Steele D, et al. **Heart Lung** 1985 Sep;14(5):426-30

[Peripartum hypertensive crisis and multi-organ failure in a 24-year-old patient] Zähringer J, et al. **Internist (Berlin)** 1985 Mar;26(3):177-80 (Ger)

ENZYMOLOGY

Association of an oxygen-sensitive lactate dehydrogenase isoenzyme, LDk, with LD-6 in serum of critically ill patients. Onorato VA, et al. **Clin Chem** 1984 Oct; 30(10):1603-6

ETIOLOGY

Multiple-organ failure. Generalized autodestructive inflammation? Goris RJ, et al. **Arch Surg** 1985 Oct; 120(10):1109-15

[Multiple system failure in 21 surgical patients] Espinoza R, et al. **Rev Med Chil** 1984 Sep;112(9):912-6 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Elevated pulmonary vascular resistance in patients dying from multiple organ failure. Van Way CW, et al. **Am Surg** 1985 Aug;51(8):477-9

Multiple systems organ failure. Modulation of hepatocyte protein synthesis by endotoxin activated Kupffer cells. Keller GA, et al. **Ann Surg** 1985 Jan;201(1):87-95

Malignant Mediterranean spotted fever. Report of a case with multiple organ failure, hypocalcemia, and euthyroid sick syndrome. Devriendt J, et al. **Arch Intern Med** 1985 Jul; 145(7):1319-21

Sequential multisystem failure: a retrospective study. Katz S, et al. **J Am Osteopath Assoc** 1984 Sep;84(1):35-40

Anaphylatoxin generation in multisystem organ failure. Heideman M, et al. **J Trauma** 1984 Dec;24(12):1038-43

Increased dependence of leucine in posttraumatic sepsis: leucine/tyrosine clearance ratio as an indicator of hepatic impairment in septic multiple organ failure syndrome. Pittiruti M, et al. **Surgery** 1985 Sep;98(3):378-87

[Various clinical aspects of the aging process] Hankiewicz J. **Wiad Lek** 1984 Mar 15;37(6):441-5 (11 ref.) (Pol)

SURGERY

Recovery from multiple organ failure [editorial] Baue AE. **Am J Surg** 1985 Mar;149(3):420-1

Does drainage of intraabdominal pus reverse multiple organ failure? Norton LW. **Am J Surg** 1985 Mar;149(3):347-50

THERAPY

Multiple systems organ failure: is it a specific entity? Henao F, et al. **South Med J** 1985 Mar;78(3):329-34

An integrated approach to the treatment of patients with multiple organ system failure requiring intensive nutritional support and hemodialysis. Blumenkrantz M, et al. **Trans Am Soc Artif Intern Organs** 1984;30:468-72

[Successful therapy of consumption coagulopathy in EPH gestosis with multiple organ failure] Schregel W, et al. **Anasth Intensivther Notfallmed** 1984 Aug;19(4):201-3 (Eng. Abstr.) (Ger)

MULTIPLE-PERSONALITY DISORDER

COMPLICATIONS

Multiple personality in a case of functional psychosis. Ghadirian AM, et al. **Compr Psychiatry** 1985 Jan-Feb; 26(1):22-8

DIAGNOSIS

The diagnosis of multiple personality syndromes: overt, covert, and latent. O'Brien P. **Compr Ther** 1985 Jul; 11(7):59-66

Multiple personality in a 10-year-old girl. Weiss M, et al. **J Am Acad Child Psychiatry** 1985 Jul;24(4):495-501

Diagnosing multiple personality disorder. Kluft RP. **Penn Med** 1984 Sep;87(9):44, 46

OCCURRENCE

Prevalence of multiple personality among inpatients and outpatients. Bliss EL, et al. **Am J Psychiatry** 1985 Feb; 142(2):250-1

PHYSIOPATHOLOGY

Regional cerebral blood flow in a patient with multiple personality. Mathew RJ, et al. **Am J Psychiatry** 1985 Apr; 142(4):504-5

PSYCHOLOGY

Multiple personality: a social psychological perspective. Spanos NP, et al. **J Abnorm Psychol** 1985 Aug;94(3):362-76

Multiple personality in adolescence: relationship to incestual experiences. Bowman ES, et al. **J Am Acad Child Psychiatry** 1985 Jan;24(1):109-14

Spontaneous hypnotic age regression: case report. Spiegel D, et al. **J Clin Psychiatry** 1984 Dec;45(12):522-4

Multiple personality in the human information-processor: a case history and theoretical formulation. Andorfer JC. **J Clin Psychol** 1985 May;41(3):309-24

Understanding multiple personality with the Comprehensive Rorschach system. Lovitt R, et al. **J Pers Assess** 1985 Jun; 49(3):289-94

Rape and post-traumatic stress in multiple personality. Coons PM, et al. **Psychol Rep** 1984 Dec;55(3):839-45

THERAPY

Hypnotherapy of childhood multiple personality disorder. Kluft RP. **Am J Clin Hypn** 1985 Apr;27(4):201-10

Group psychotherapy with multiple personality patients. Coons PM, et al. **J Nerv Ment Dis** 1985 Sep;173(9):515-21

MULTIPLE SCLEROSIS

Anaesthesia for patients with multiple sclerosis. Kyttä J, et al. **Ann Chir Gynaecol** 1984;73(5):299-303

Multiple sclerosis: experimental and clinical aspects. **Ann NY Acad Sci** 1984;436:1-518

Food intake in multiple sclerosis. Hewson DC, et al. **Hum Nutr Appl Nutr** 1984 Oct;38(5):355-67

Telling patients with multiple sclerosis [editorial] **Lancet** 1985 Jul 6;2(8445):26

Telling about multiple sclerosis [letter] **Lancet** 1985 Jul 20; 2(8447):158-9

BLOOD

Response to platelet-activating factor of platelets from patients with multiple sclerosis. Khan SN, et al. **Acta Neurol Scand** 1985 Mar;71(3):212-20

Abnormalities of serum and plasma components in patients with multiple sclerosis. Ford HC. **Clin Biochem** 1985 Feb; 18(1):3-13 (145 ref.)

Rat CNS cell culture. Enhancement of neuronal survival and delay of glial proliferation by serum from patients with multiple sclerosis. A morphological study. Savettieri G, et al. **Ital J Neurol Sci** 1984 Sep;5(3):311-6

New approach to study of in vitro toxicity of multiple sclerosis and other sera. Bradbury K, et al. **J Neurol Sci** 1984 Aug;65(2):157-68

Peripheral blood and CSF T-cell subsets in Japanese MS patients. Kuroda Y, et al. **Neurology** 1985 Feb;35(2):270-3

CEREBROSPINAL FLUID

The relationship between levels of cerebrospinal fluid myelin basic protein and IgG measurements in patients with multiple sclerosis. Warren KG, et al. **Ann Neurol** 1985 May; 17(5):475-80

Characterization of cerebrospinal fluid lymphocytes in multiple sclerosis. Richert JR, et al. **Ann NY Acad Sci** 1984; 436:151-62

Alpha 1-antitrypsin in cerebrospinal fluid of patients with neurologic diseases. Pearl GS, et al. **Arch Neurol** 1985 Aug; 42(8):775-7

Two-dimensional electrophoresis and 'ultrasensitive' silver staining of cerebrospinal fluid proteins in neurological diseases. Harrington MG, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):1933-7

A rapid silver-stain procedure for use with routine electrophoresis of cerebrospinal fluid on agarose gels. Lubahn DB, et al. **Clin Chem** 1984 Oct;30(10):1689-91

CFS oligoclonal bands in MS and other neurological diseases detected by agarose isoelectric focusing and electrophoresis. Cerrato D, et al. **Ital J Neurol Sci** 1984 Sep;5(3):303-10

Myelin basic protein and S-100 antigen in cerebrospinal fluid of patients with multiple sclerosis in the acute phase. Massaro AR, et al. **Ital J Neurol Sci** 1985 Mar;6(1):53-6

Elevation of certain polyols in the cerebrospinal fluid of patients with multiple sclerosis. Smith SL, et al. **J Chromatogr** 1984 Dec 12;336(2):351-5

Spinal fluid lymphocytes responsive to autologous and allogeneic cells in multiple sclerosis and control individuals. Birnbaum G, et al. **J Clin Invest** 1984 Oct;74(4):1307-17

Phenotypic markers and functional characteristics of T lymphocyte clones from cerebrospinal fluid in multiple sclerosis. Fleischer B, et al. **J Neuroimmunol** 1984 Dec; 7(2-3):151-62

Isoelectric focusing of CSF proteins and the future evolution of multiple sclerosis: a clinical follow-up. Ersmark B, et al. **J Neurol** 1984;231(3):117-21

On the diagnostic value of different CSF investigations in multiple sclerosis. Lauer K. **J Neurol** 1984;231(3):130-4

Multiple sclerosis: free light chains in cerebrospinal fluid. Rudick RA, et al. **Neurology** 1985 Oct;35(10):1443-9

Oligoclonal bands in multiple sclerosis: an index of disease activity? [letter] Thompson AJ, et al. **Neurology** 1985 Oct; 35(10):1533-4

[Significance of increased immunoglobulin G levels in the cerebrospinal fluid of patients with multiple sclerosis] Out TA, et al. **Ned Tijdschr Geneeskd** 1984 Sep 1;128(35):1666-8 (Dut)

[Immunoglobulin G synthesizing lymphocytes in the cerebrospinal fluid in multiple sclerosis and non-inflammatory diseases of the nervous system] Schädlich HJ, et al. **J Clin Chem Clin Biochem** 1984 Jul; 22(7):483-7 (Eng. Abstr.) (Ger)

[Cerebrospinal fluid and multiple sclerosis] Pilz P. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):22-5 (Eng. Abstr.) (Ger)

CLASSIFICATION

Taxonomy and diagnostic parameters in multiple sclerosis. Poser CM. **Ann NY Acad Sci** 1984;436:233-46 (66 ref.)

COMPLICATIONS

Sexual disturbances arising from multiple sclerosis. Minderhoud JM, et al. **Acta Neurol Scand** 1984 Oct; 70(4):299-306

Recurrence of periphlebitis retinae in multiple sclerosis. Engell T, et al. **Acta Ophthalmol (Copenh)** 1985 Feb; 63(1):80-2

Sexual dysfunctions in multiple sclerosis. Szasz G, et al. **Ann NY Acad Sci** 1984;436:443-52

Pain in multiple sclerosis. Clifford DB, et al. **Arch Neurol** 1984 Dec;41(12):1270-2

Optic neuritis and multiple sclerosis. Ebers GC. **Arch Neurol** 1985 Jul;42(7):702-4

Granulomatous uveitis in neurological disease. Bachman DM, et al. **Br J Ophthalmol** 1985 Mar;69(3):192-6

Choreoathetosis in multiple sclerosis. Taff I, et al. **Clin Neurol Neurosurg** 1985;87(1):41-3

Multiple sclerosis and bullous pemphigoid. Simjee S, et al. **Dermatologica** 1985;170(2):86-9

Use of background interference procedure to assess visual retention deficits in multiple-sclerosis, psychiatric, and brain-damaged patients. Crockett DJ, et al. **Int J Neurosci** 1985 May;26(3-4):277-82

Inflammatory vasculitis in multiple sclerosis. Adams CW, et al. **J Neurol Sci** 1985 Jul;69(3):269-83

Cessation of stuttering with progressive multiple sclerosis. Miller AE. **Neurology** 1985 Sep;35(9):1341-3

Ocular flutter in suspected multiple sclerosis: a presenting paroxysmal manifestation. Francis DA, et al. **Postgrad Med J** 1985 Apr;61(714):333-4

La toux diabolique: neurogenic tussive crisis. Jacome DE. **Postgrad Med J** 1985 Jun;61(716):515-6

Head trauma, affective syndrome in a patient with MS [letter] Gillespie MP, et al. **Psychosomatics** 1985 Jun;26(6):531-2

Severe diaphragm weakness in multiple sclerosis. Cooper CB, et al. **Thorax** 1985 Aug;40(8):633-4

Interferential therapy for detrusor hyperreflexia in multiple sclerosis. Van Poppel H, et al. **Urology** 1985 Jun; 25(6):607-12

[Retrobulbar neuritis in multiple sclerosis (report of 4 cases)] Luo CG. **Chung Hua Yen Ko Tsa Chih** 1985 May; 21(3):146-9 (Chi)

[Sudden deafness in multiple sclerosis] Hansen PH, et al. **Ugeskr Laeger** 1985 Feb 18;147(8):711-2 (Eng. Abstr.) (Dan)

[Abnormalities of the sensation of the need to urinate in multiple sclerosis. Clinical and urodynamic study. Apropos of 100 cases] Perrigot M, et al. **Ann Urol (Paris)** 1985; 19(1):13-8 (Eng. Abstr.) (Fre)

[Multiple sclerosis and lupus] Devos P, et al. **Rev Neurol (Paris)** 1984;140(8-9):513-5 (Eng. Abstr.) (Fre)

[Multiple sclerosis and Basedow disease, a more than coincidental association?] Seyfert S, et al. **Nervenarzt** 1985 Apr;56(4):218-20 (Eng. Abstr.) (Ger)

[Stomatologic implications of multiple sclerosis] Ivánkievicz D, et al. **Fogorv Sz** 1985 Feb;78(2):38-40 (Eng. Abstr.) (Hun)

[Retrobulbar optic neuritis as an initial symptom of multiple sclerosis. Results of a prospective study] Mapelli G, et al. **Riv Neurol** 1985 Jan-Feb;55(1):53-77 (Eng. Abstr.) (Ita)

[Schizophrenia in a patient due to multiple sclerosis] Pavlović D, et al. **Srp Arh Celok Lek** 1984 Mar;112(3):341-5 (Scc)

[Significance of optic neuritis at the onset of multiple sclerosis] Pavlović D, et al. **Srp Arh Celok Lek** 1984 Jul-Aug;112(7-8):821-4 (Eng. Abstr.) (Scc)

[Surgical procedures and multiple sclerosis--case report] Hauk J, et al. **Med Pregl** 1984;37(11-12):541-2 (Eng. Abstr.) (Scr)

DIAGNOSIS

Comparison of auditory evoked potentials, trigemino-facial reflex and electronystagmography in the assessment of site of brain stem lesions in multiple sclerosis. Sartucci F, et al. **Acta Neurol (Napoli)** 1984 Dec;6(6):432-41

The blink reflex and somatosensory evoked potential in optic neuritis in south India. Chand RP, et al. **Acta Neurol Scand** 1985 Feb;71(2):150-5

Clinical correlates of abnormal brain-stem auditory evoked responses in multiple sclerosis. Hutchinson M, et al. **Acta Neurol Scand** 1984 Aug;70(2):90-5

Critical flicker frequencies in MS patients with normal or abnormal pattern VEP. Salmi T. **Acta Neurol Scand** 1985 May;71(5):354-8

IFMSS Minimal Record of Disability for multiple sclerosis. Interview protocol for Incapacity Status Scale, Environmental Status Scale 1983. **Acta Neurol Scand [Suppl]** 1984;101:191-217

International Federation of Multiple Sclerosis Societies. Minimal Record of Disability--1983. **Acta Neurol Scand [Suppl]** 1984;101:169-90

International Federation of Multiple Sclerosis Societies. Symposium on a minimal record of disability for multiple sclerosis. Vancouver, Canada, September 11, 12, 1983. **Acta Neurol Scand [Suppl]** 1984;101:1-217

Evaluation of the minimal record of disability in multiple sclerosis patients in Genoa. Battaglia MA, et al. **Acta Neurol Scand [Suppl]** 1984;101:92-9

Disability rating with the IFMSS scales. Bauer HJ, et al. **Acta Neurol Scand [Suppl]** 1984;101:145-52

An assessment of IFMSS 1982 minimal disability rating system. Colville PL. **Acta Neurol Scand [Suppl]** 1984;101:58-64

A contribution to assessment in MS. Study of 100 situations of MS persons through Incapacity Status and Environmental Status and their scales scores. de Rham B. **Acta Neurol Scand [Suppl]** 1984;101:113-25

Evaluation of disability, incapacity and environmental status scales in multiple sclerosis. Fog T, et al. **Acta Neurol Scand [Suppl]** 1984;101:77-86

Disability in multiple sclerosis and the provision of social and medical services: findings in Wellington, New Zealand. Johnson RH, et al. **Acta Neurol Scand [Suppl]** 1984;101:105-12

Minimal record of disability in multiple sclerosis--application to Japanese patients. Kuroiwa Y, et al. **Acta Neurol Scand [Suppl]** 1984;101:100-4

Field testing of a minimal record of disability in multiple sclerosis: the United States and Canada. LaRocca MG, et al. **Acta Neurol Scand [Suppl]** 1984;101:126-38

Development of a structured interview to accompany the minimal record. LaRocca NG, et al. **Acta Neurol Scand [Suppl]** 1984;101:165-8

Experience in the use of the Minimal Record of Disability in multiple sclerosis chapters and community settings. Madonna MG, et al. **Acta Neurol Scand [Suppl]** 1984;101:139-42

A critical evaluation of the Incapacity Status Scale. Mertin J, et al. **Acta Neurol Scand [Suppl]** 1984;101:68-76

Proposal for summing the incapacity status or environmental status scores. Minderhoud JM, et al. **Acta Neurol Scand [Suppl]** 1984;101:87-91

Experience with a new incapacity rating system in multiple sclerosis. Sibley WA, et al. **Acta Neurol Scand [Suppl]** 1984;101:143-4

Criteria and uses of the Minimal Record of Disability in multiple sclerosis. Slater RJ. **Acta Neurol Scand [Suppl]** 1984;101:16-20

Assessing disablement status in multiple sclerosis. Wood PH. **Acta Neurol Scand [Suppl]** 1984;101:154-64

Central auditory tests and auditory nerve-brainstem evoked responses in multiple sclerosis. Matathias O, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):369-76

Magnetic resonance imaging in multiple sclerosis: results in 32 cases. Jackson JA, et al. **AJNR** 1985 Mar-Apr;6(2):171-6

Magnetic resonance imaging: serial observations in multiple sclerosis. Johnson MA, et al. **AJNR** 1984 Sep-Oct;5(5):495-9

Magnetic resonance demonstration of multiple sclerosis plaques in the cervical cord. Maravilla KR, et al. **AJR** 1985 Feb;144(2):381-5

MR evaluation of Chiari I malformations at 0.15 T. Spinos E, et al. **AJR** 1985 Jun;144(6):1143-8

The initial diagnosis of multiple sclerosis: clinical impact of magnetic resonance imaging. Gebarski SS, et al. **Ann Neurol** 1985 May;17(5):469-74

Multiple sclerosis bladder. Studies and care. Blaivas JG, et al. **Ann NY Acad Sci** 1984;436:328-46

Pattern-shift visual, brainstem auditory and short-latency somatosensory evoked potentials in multiple sclerosis. Chiappa KH. **Ann NY Acad Sci** 1984;436:315-27 (44 ref.)

Magnetic resonance imaging and CT scanning in multiple sclerosis. Drayer BP, et al. **Ann NY Acad Sci** 1984;436:294-314

Disability rating scales in multiple sclerosis. Kurtzke JF. **Ann NY Acad Sci** 1984;436:347-60

Development and testing of a minimal record of disability in multiple sclerosis. Slater RJ, et al. **Ann NY Acad Sci** 1984;436:453-68

Indicators of disease activity in multiple sclerosis. Studies of myelin basic protein-like materials. Whitaker JN. **Ann NY Acad Sci** 1984;436:140-50 (67 ref.)

Visual evoked potentials in the diagnosis of multiple sclerosis. Hamburger HA, et al. **Ann Ophthalmol** 1984 Aug;16(8):752-5

Serial evoked potential studies in patients with definite multiple sclerosis. Clinical relevance. Aminoff MJ, et al. **Arch Neurol** 1984 Nov;41(11):1197-202

Magnetic resonance imaging and other techniques in the diagnosis of multiple sclerosis. Kirshner HS, et al. **Arch Neurol** 1985 Sep;42(9):859-63

The clinical spectrum of internuclear ophthalmoplegia in multiple sclerosis. Müri RM, et al. **Arch Neurol** 1985 Sep;42(9):851-5

Presentations of early symptoms of multiple sclerosis. Holland JT. **Aust Fam Physician** 1985 Jul;14(7):648-52

Bilateral optic neuritis. A long-term follow-up. Parkin PJ, et al. **Brain** 1984 Sep;107 (Pt 3):951-64

Computed tomography and nuclear magnetic resonance imaging of the brain in multiple sclerosis: a review. Moseley I. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):63-76 (71 ref.)

Adrenoleukodystrophy mimicking multiple sclerosis. Dooley JM, et al. **Can J Neurol Sci** 1985 Feb;12(1):73-4

Characteristics of patients found not to have multiple sclerosis [letter] Hunter GN. **Can Med Assoc J** 1984 Nov 1;131(9):1014

Albumin and immunoglobulin-G in the cerebrospinal fluid and the diagnosis of multiple sclerosis. Kamp HH, et al. **Clin Neurol Neurosurg** 1985;87(1):3-10

Power spectral analysis of visual evoked potentials in multiple sclerosis. Trick GL, et al. **Curr Eye Res** 1984 Oct;3(10):1179-86

Multiple sclerosis in childhood: a new look. Bye AM, et al. **Dev Med Child Neurol** 1985 Apr;27(2):215-22

Uhthoff's phenomenon in the low-frequency flash-evoked cortical potential. Berdjis H, et al. **Dev Ophthalmol** 1984;9:188-94

Detection of Uhthoff's symptom in disseminated sclerosis by the Farnsworth-Munsell 100-hue test and the octopus perimetry. Zrenner E. **Dev Ophthalmol** 1984;9:182-7

Multiple sclerosis--a case report on an Ethiopian. Tekle-Haimanot R. **Ethiop Med J** 1985 Jan;23(1):27-9

Prior cognitive problems as the key to treating a patient with resistant depression. Frances A, et al. **Hosp Community Psychiatry** 1985 Jan;36(1):11-2, 21

Two cases of the diagnosis of optic neuritis leading to the diagnosis of multiple sclerosis. DeRosa L. **J Am Optom Assoc** 1985 Feb;56(2):120-2

Brain-stem involvement in multiple sclerosis: a comparison between brain-stem auditory evoked potentials and the acoustic stapedius reflex. Kofler B, et al. **J Neurol** 1984;231(3):145-7

Multiple sclerosis presenting with progressive visual failure. Ormerod IE, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):943-6

Evidence for cardiovascular autonomic nerve dysfunction in multiple sclerosis. Senaratne MP, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):947-52

Nuclear magnetic resonance: first results in multiple sclerosis. Bories J, et al. **J Neuroradiol** 1984;11(4):307-14 **(Eng, Fre)**

MRI and CT scan in multiple sclerosis [letter] Poser CM. **JAMA** 1985 Jun 14;253(22):3250

Magnetic resonance 'sees' lesions of multiple sclerosis [news] Ziporyn T. **JAMA** 1985 Feb 15;253(7):949-51

Visual fatigue and visually evoked potentials in multiple sclerosis [editorial] **Lancet** 1984 Sep 29;2(8405):731-2

To tell or not to tell the diagnosis of multiple sclerosis. Elian M, et al. **Lancet** 1985 Jul 6;2(8445):27-8

NMR in multiple sclerosis and cerebral vascular disease [letter] Ormerod IE, et al. **Lancet** 1984 Dec 8;2(8415):1334-5

Multiple sclerosis: to tell or not to tell [letter] Robinson I. **Lancet** 1985 Aug 10;2(8450):336

1H Nuclear magnetic resonance imaging in multiple sclerosis. Buonanno FS, et al. **Neurol Clin** 1983 Aug;1(3):757-64

Neuroimaging in multiple sclerosis. Noseworthy JH, et al. **Neurol Clin** 1984 Nov;2(4):759-77

Clinical spectrum of multiple sclerosis. Reder AT, et al. **Neurol Clin** 1983 Aug;1(3):573-99

An illness severity score for multiple sclerosis. Mickey MR, et al. **Neurology (NY)** 1984 Oct;34(10):1343-7

A neurologic rating scale (NRS) for use in multiple sclerosis. Sipe JC, et al. **Neurology (NY)** 1984 Oct;34(10):1368-72

The use of subjective and objective audiologic test procedures in the diagnosis of multiple sclerosis. Protti-Patterson E, et al. **Otolaryngol Clin North Am** 1985 May;18(2):241-55

Underwriting multiple sclerosis. Gleeson RK. **Trans Assoc Life Insur Med Dir Am** 1984;66:111-8 (4 ref.)

[Differentiation of cerebrospinal fluid gamma globulins by electrophoresis on polyacrylamide gel and its significance in the diagnosis of multiple sclerosis] Hrazdira CL, et al. **Cesk Neurol Neurochir** 1984 Nov;47(6):399-408 (Eng. Abstr.) **(Cze)**

[Visual evoked potentials induced by pattern reversal with color stimulation in multiple sclerosis] Leleux D, et al. **Bull Mem Soc Fr Ophtalmol** 19[illegible];96:459-61 **(Fre)**

[Diagnostic approach to multiple sclerosis by evoked potentials (visual, somesthetic and early auditory potentials). Study concerning 113 patients] Bourhours PH, et al. **Rev Otoneuroophtalmol** 1984 May-Jun;56(3):263-72 (Eng. Abstr.) **(Fre)**

[NMR tomography in confirmed multiple sclerosis. An assessment of 21 cases] Uhlenbrock D, et al. **Digitale Bilddiagn** 1985 Mar;5(1):1-7 (Eng. Abstr.) **(Ger)**

[Otoneurologic findings in multiple sclerosis. Stapedius reflex, vestibular evaluation, early acoustic evoked potentials] Oberascher G, et al. **HNO** 1985 Jan;33(1):23-5 (Eng. Abstr.) **(Ger)**

[Value of visual evoked potentials and cerebrospinal fluid in the clinical diagnosis of multiple sclerosis. A comparative study in the context of anamesis, clinical aspects and computer tomography findings] Hoberg B. **Nervenarzt** 1985 Apr;56(4):188-93 **(Ger)**

[CT with high-dose contrast medium administration and delayed conduction and NMR tomography in the diagnosis of multiple sclerosis] Hornig CR, et al. **Nervenarzt** 1984 Aug;55(8):419-21 **(Ger)**

[Experiences with the indirect Clausen Test using NTA as an antigen in multiple sclerosis and other neurologic diseases] Dachsel R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jun;36(6):350-6 (Eng. Abstr.) **(Ger)**

[Clinical picture of multiple sclerosis in the magnetic resonance tomogram] Schörner W, et al. **ROFO** 1985 May;142(5):487-94 (Eng. Abstr.) **(Ger)**

[Multiple sclerosis and electronystagmography] Haas R. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):34-5 (Eng. Abstr.) **(Ger)**

[Multiple sclerosis and the electroencephalogram (computer EEG studies)] Harrer G, et al. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):38-40 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of optic neuritis] Harrer S, et al. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):25-30 (Eng. Abstr.) **(Ger)**

[Visual and acoustic evoked potentials in multiple sclerosis] Kofler B. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):35-8 (Eng. Abstr.) **(Ger)**

[Clinical findings in multiple sclerosis] Ladurner G, et al. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):9-12 (Eng. Abstr.) **(Ger)**

[Otoneurologic testing in multiple sclerosis] Oberascher G. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):31-3 (Eng. Abstr.) **(Ger)**

[Micturition disorders in multiple sclerosis] Pommer B. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):41-2 (Eng. Abstr.) **(Ger)**

[Use of visual evoked potentials in neurology--a review. I] Cammann R. **Zentralbl Neurochir** 1985;46(1):52-6 (Eng. Abstr.) **(Ger)**

[Instrumental diagnosis of multiple sclerosis: correlation between electrophysiologic and cerebrospinal fluid findings] Ricchieri G, et al. **Riv Neurol** 1984 Sep-Oct;54(5):347-57 (Eng. Abstr.) **(Ita)**

[A case of multiple sclerosis with limb-kinetic apraxia] Fujiwara Y, et al. **Rinsho Shinkeigaku** 1985 Jan;25(1):33-8 (Eng. Abstr.) **(Jpn)**

[Multiple sclerosis and related disorders] Fukuyama Y, et al. **Rinsho Shinkeigaku** 1984 Dec;24(12):1221-4 (Eng. Abstr.) **(Jpn)**

[Nuclear magnetic resonance imaging in multiple sclerosis] Kojima S, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):171-8 (Eng. Abstr.) **(Jpn)**

[Diagnosis of disseminated sclerosis] Kukushkin IuV, et al. **Klin Med (Mosk)** 1984 Sep;62(9):69-72 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of cerebellar forms of multiple sclerosis and spinocerebellar ataxia] Leonovich AL, et al. **Klin Med (Mosk)** 1985 Mar;63(3):72-5 **(Rus)**

[Hyperdiagnosis of disseminated sclerosis] Akimov GA, et al. **Sov Med** 1985;(2):111-4 **(Rus)**

[Significance of hypo- and areflexia of the cornea in the early diagnosis of disseminated sclerosis] Iarosh AA, et al. **Vrach Delo** 1985 Jun;(6):73-5 (Eng. Abstr.) **(Rus)**

[Motor analyzer function in disseminated sclerosis patients based on bicycle ergometry data] Iarosh AA, et al. **Vrach Delo** 1984 Oct;(10):82-4 (Eng. Abstr.) **(Rus)**

[Pseudoneurasthenic form of disseminated sclerosis] Iarosh AA, et al. **Vrach Delo** 1984 Oct;(10):84-6 (Eng. Abstr.) **(Rus)**

[Clinical picture and course of multiple sclerosis among inhabitants of the southwest regions of Uzbekistan] Alaev BA, et al. **Zh Nevropatol Psikhiatr** 1985;85(2):210-4 (Eng. Abstr.) **(Rus)**

[Brainstem potentials in the diagnosis of multiple sclerosis] Núñez M, et al. **An Otorrinolaringol Ibero Am** 1985;12(3):217-27 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Is there a role for gluten-free diets in multiple sclerosis? Hewson DC. **Hum Nutr Appl Nutr** 1984 Dec;38(6):417-20

DRUG THERAPY

Clinical trials of copolymer I in multiple sclerosis. Bornstein MB, et al. **Ann NY Acad Sci** 1984;436:366-72

Therapeutic trials in multiple sclerosis: azathioprine. Ellison GW, et al. **Ann NY Acad Sci** 1984;436:361-5

Intrathecal IgG synthesis and IgG index after intensive and chronic immunosuppressive treatment of multiple sclerosis. Hommes OR, et al. **Ann NY Acad Sci** 1984;436:410-7

The use of cyclophosphamide in the treatment of multiple sclerosis. Weiner HL, et al. **Ann NY Acad Sci** 1984;436:373-81

Intrathecal interferon in the treatment of multiple sclerosis. Patient follow-up. Jacobs L, et al. **Arch Neurol** 1985 Sep;42(9):841-7

MaxEPA in multiple sclerosis. French JM. **Br J Clin Pract [Symp Suppl]** 1984;31:117-21

Immunosuppressant treatment in multiple sclerosis. van den Noort S. **Clin Neuropharmacol** 1985;8(1):58-63 (34 ref.)

Multiple sclerosis. Current concepts in management. Giesser B. **Drugs** 1985 Jan;29(1):88-95 (34 ref.)

Decreased interferon synthesis and responsiveness to interferon by leukocytes from multiple sclerosis patients given natural alpha interferon. Kamin-Lewis RM, et al. **J Interferon Res** 1984 Summer;4(3):423-32

Intravenous methylprednisolone for multiple sclerosis in relapse. Barnes MP, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):157-9

Isoniazid and action tremor in multiple sclerosis [letter] Morrow J, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar; 48(3):282-3

Immunosuppressive treatment of multiple sclerosis. Hartshorn JC. **J Neurosurg Nurs** 1984 Oct;16(5):275-8

Immunosuppressive treatment of multiple sclerosis. Schweitzer SF. **J Neurosurg Nurs** 1985 Aug;17(4):256-9

Linoleic acid and multiple sclerosis: a reanalysis of three double-blind trials. Dworkin RH, et al. **Neurology** 1984 Nov;34(11):1441-5

The effect of recombinant alpha 2-interferon on defective natural killer cell activity in multiple sclerosis. Hirsch RL, et al. **Neurology** 1985 Apr;35(4):597-600

Systemic alpha-interferon therapy of multiple sclerosis. Knobler RL, et al. **Neurology (NY)** 1984 Oct;34(10):1273-9

Elevation of gamma-aminobutyric acid in human brain may increase dopaminergic neuronal function. Perry TL, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):67-71

ACTH 1-17 effects in multiple sclerosis. Marforio S. **Ric Clin Lab** 1984 Apr-Jun;14(2):253-5

[Acute leukemia secondary to the treatment of multiple sclerosis with chlorambucil] Aymard JP, et al. **Rev Neurol (Paris)** 1985;141(2):152-4 (Eng. Abstr.) **(Fre)**

[Prolonged treatment of multiple sclerosis with average doses of azathioprine. An evaluation of 15 years' experience] Lhermitte F, et al. **Rev Neurol (Paris)** 1984;140(10):553-8 (Eng. Abstr.) **(Fre)**

[Side effects of azathioprine (Imurel). Apropos of 313 patients treated for multiple sclerosis. Review of the literature] Ventre JJ, et al. **Therapie** 1985 May-Jun;40(3):195-202 (Eng. Abstr.) **(Fre)**

[Therapy of multiple sclerosis] Harrer G. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):42-5 (Eng. Abstr.) **(Ger)**

[New proposals for the treatment of multiple sclerosis. Preliminary study] Floris V, et al. **Riv Neurol** 1985 May-Jun;55(3):169-84 (Eng. Abstr.) **(Ita)**

[Proteolytic enzymes and the inhibition of their activity in multiple sclerosis] Cendrowski W. **Neurol Neurochir Pol** 1984 Mar-Apr;18(2):159-64 (27 ref.) **(Pol)**

[Decaris in the treatment of multiple sclerosis] Hoppe B, et al. **Neurol Neurochir Pol** 1984 May-Jun;18(3):229-34 (Eng. Abstr.) **(Pol)**

[Comparative analysis of the use of levamisole and pyrogenal in the treatment of multiple sclerosis] Mukhtarova AA. **Zh Nevropatol Psikhiatr** 1985;85(3):366-7 (Eng. Abstr.) **(Rus)**

[Dimexide (dimethylsulfoxide) in the treatment of multiple sclerosis] Zingerman LIa. **Zh Nevropatol Psikhiatr** 1984; 84(9):1330-3 (Eng. Abstr.) **(Rus)**

ECONOMICS

Disability indices, the economic costs of illness, and social insurance: the case of multiple sclerosis. Inman RP. **Acta Neurol Scand [Suppl]** 1984;101:46-55

The future of funding for MS research. Hanson T. **Ann NY Acad Sci** 1984;436:472-4

ENZYMOLOGY

Membrane-bound 2',3',-cyclic nucleotide 3'-phosphohydrolase activity of lymphocytes, granulocytes and erythrocytes in multiple sclerosis. Rastogi SC, et al. **Acta Neurol Scand** 1985 Apr;71(4):303-8

[Metabolic aspects of multiple sclerosis] Neu IS. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):20-2 (Eng. Abstr.) **(Ger)**

[Activity of acetylation processes in patients with disseminated sclerosis] Selezenev NG. **Lab Delo** 1984; (12):754-5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Experimental autoimmune demyelination. Chronic relapsing models and their therapeutic implications for multiple sclerosis. Raine CS, et al. **Ann NY Acad Sci** 1984;436:33-51

Pathogenetic mechanisms in multiple sclerosis. A summary. Waksman BH. **Ann NY Acad Sci** 1984;436:125-32

Optic neuritis and multiple sclerosis. Hachinski V. **Arch Neurol** 1985 Jul;42(7):710

A review of the etiology of multiple sclerosis. Vella V. **Ital J Neurol Sci** 1984 Dec;5(4):347-56 (122 ref.)

Clinical viral infections and multiple sclerosis [letter] **Lancet** 1985 Jul 20;2(8447):165-6

Clinical viral infections and multiple sclerosis [letter] Morris JA. **Lancet** 1985 Aug 3;2(8449):273

Clinical viral infections and multiple sclerosis. Sibley WA, et al. **Lancet** 1985 Jun 8;1(8441):1313-5

Epidemiological studies on multiple sclerosis [letter] Cook SD, et al. **Neurology** 1985 Oct;35(10):1528-9

Multiple sclerosis in a Glasgow tenement. Thomas M, et al. **Scott Med J** 1984 Oct;29(4):244-6

[Multiple sclerosis—a receptor disease? Etiopathogenic considerations] Kříž K. **Cesk Neurol Neurochir** 1984 Sep; 47(5):333-4 **(Cze)**

[Experimental allergic encephalomyelitis] Juhler M. **Ugeskr Laeger** 1985 Jan 21;147(4):253-5 (Eng. Abstr.) **(Dan)**

[Multiple sclerosis. Current etiopathogenic concepts] Confavreux C. **Presse Med** 1984 Sep 15;13(31):1889-94 (21 ref.) (Eng. Abstr.) **(Fre)**

[Multiple sclerosis. Current etiopathogeny (letter)] Schuller E. **Presse Med** 1985 Jan 12;14(1):50 **(Fre)**

[Epidemiologic study on the etiopathogenesis of multiple sclerosis] Körting HJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Dec; 36(12):696-701 (Eng. Abstr.) **(Ger)**

[Results of international multiple sclerosis research] Bauer HJ. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):2-5 (Eng. Abstr.) **(Ger)**

[Multiple sclerosis and the history of infectious diseases in childhood] Wender M, et al. **Neurol Neurochir Pol** 1984 Sep-Oct;18(5):429-34 (Eng. Abstr.) **(Pol)**

[Role of disorders of the hemostatic system in the pathogenesis of multiple sclerosis and ways of correcting them] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1985; 85(2):198-206 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Reproductive counselling for multiple sclerosis patients. Sadovnick AD, et al. **Am J Med Genet** 1985 Feb; 20(2):349-54

Evoked potential testing in relatives of multiple sclerosis patients. Nuwer MR, et al. **Ann Neurol** 1985 Jul;18(1):30-4

Characterization of antigen-specific T cells in multiple sclerosis twins with elevated responses to measles virus. Greenstein JI, et al. **Ann NY Acad Sci** 1984;436:511-2

Family and twin studies in multiple sclerosis. McFarland HF, et al. **Ann NY Acad Sci** 1984;436:118-24 (14 ref.)

Arthrogryposis multiplex congenita occurring with maternal multiple sclerosis. Livingstone IR, et al. **Arch Neurol** 1984 Nov;41(11):1216-7

B-cell abnormalities in multiple sclerosis. A hypothesis. Roos RP. **Arch Neurol** 1985 Jan;42(1):73-5

Insignificant risk for arthrogryposis multiplex congenita [letter] Sadovnick AD. **Arch Neurol** 1985 Jun;42(6):516

Clinical sub-groups of multiple sclerosis in relation to HLA: DR alleles as possible markers of disease progression. Duquette P, et al. **Can J Neurol Sci** 1985 May;12(2):106-10

Family studies in multiple sclerosis: HLA haplotypes of affected sib-pairs. Mayer-Rienecker HJ, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(1):5-7

Association of class II HLA-DQ beta chain DNA restriction fragments with multiple sclerosis. Marcadet A, et al. **Immunogenetics** 1985;22(1):93-6

Sib risk and the dizygotic twin concordance rate for multiple sclerosis. James WH. **J Epidemiol Community Health** 1985 Mar;39(1):39-43

HLA antigens in multiple sclerosis in coloured South Africans. Fewster ME, et al. **J Neurol Sci** 1984 Nov-Dec; 66(2-3):175-81

Histocompatibility antigens in familial multiple sclerosis in a high-risk area of the disease. Kinnunen E, et al. **J Neurol Sci** 1984 Aug;65(2):147-55

Genetic factors in multiple sclerosis. Ebers GC. **Neurol Clin** 1983 Aug;1(3):645-54

[Familial association of multiple sclerosis and chronic thrombopenic purpura. An argument for the autoimmune origin of multiple sclerosis (letter)] Taillan B, et al. **Presse Med** 1985 Mar 23;14(12):700 **(Fre)**

[Sporadic and familial-occurring multiple sclerosis. HLA typing and study of chromosomal sister chromatid exchange rate] Träder JM, et al. **Fortschr Neurol Psychiatr** 1985 Apr;53(4):134-7 (Eng. Abstr.) **(Ger)**

HISTORY

Multiple sclerosis: fifty years on. Sutherland JM. **Clin Exp Neurol** 1983;19:1-12

[Sclerosis multiplex. Nosological identification 150 years ago] Lenský P. **Cas Lek Cesk** 1984 Jul 27;123(30):937-8 **(Cze)**

IMMUNOLOGY

In vitro toxicity of MS sera correlates with new clinical signs. Bradbury K, et al. **Acta Neurol Scand** 1984 Dec;70(6):456-9

Antibodies against oligodendrocytes in serum and CSF in multiple sclerosis and other neurological diseases: 125I-protein A studies. Steck AJ, et al. **Acta Neurol Scand** 1984 Aug;70(2):81-9

Human peripheral lymphocytes defined by anti-myelin-associated glycoprotein antiserum in healthy individuals and in patients with multiple sclerosis. Tanaka M, et al. **Acta Neurol Scand** 1985 Apr;71(4):278-83

T-cell subsets in multiple sclerosis: relationships between peripheral blood and cerebrospinal fluid. Zaffaroni M, et al. **Acta Neurol Scand** 1985 Mar;71(3):242-8

Search for autoantibodies to endothelial and smooth muscle cells in patients with multiple sclerosis. Tsukada N, et al. **Acta Neuropathol (Berl)** 1985;66(2):134-9

Multiple sclerosis immune complexes: an analysis of component antigens and antibodies. Coyle PK, et al. **Ann Neurol** 1984 Dec;16(6):660-7

Increased prevalence and titer of Epstein-Barr virus antibodies in patients with multiple sclerosis. Sumaya CV, et al. **Ann Neurol** 1985 Apr;17(4):371-7

Immunoregulation in multiple sclerosis. Arnason BG, et al. **Ann NY Acad Sci** 1984;436:133-9 (28 ref.)

Oligoclonal banding in MS. Ebers GC. **Ann NY Acad Sci** 1984;436:206-12

Antibodies to glycosphingolipids in patients with multiple sclerosis. Endo T, et al. **Ann NY Acad Sci** 1984;436:213-20

Immune responses to myelin antigens in multiple sclerosis. Lisak RP, et al. **Ann NY Acad Sci** 1984;436:221-30 (98 ref.)

Evaluation of leukocyte surface antigens in patients with multiple sclerosis. McFarlin DE, et al. **Ann NY Acad Sci** 1984;436:254-65

Cytotoxic cells in peripheral blood and cerebrospinal fluid of multiple sclerosis patients. Merrill JE, et al. **Ann NY Acad Sci** 1984;436:192-205

Studies of interferon production and natural killing by lymphocytes from multiple sclerosis patients. Neighbour PA. **Ann NY Acad Sci** 1984;436:181-91 (41 ref.)

Suppressor T cells in MS: do changes in numbers vary with clinical activity? Paty DW, et al. **Ann NY Acad Sci** 1984; 436:266-70

T regulator cell surface antigens in multiple sclerosis. Reder AT, et al. **Ann NY Acad Sci** 1984;436:247-53

The failure of monoclonal antibody-defined lymphocyte subsets to monitor disease activity in patients with multiple sclerosis. Rice GP, et al. **Ann NY Acad Sci** 1984;436:271-80

The current status of multiple sclerosis intra-blood-brain-barrier IgG synthesis. Tourtellotte WW, et al. **Ann NY Acad Sci** 1984;436:52-67 (52 ref.)

Further lymphocyte characterization in the central nervous system in multiple sclerosis. Traugott U, et al. **Ann NY Acad Sci** 1984;436:163-80

T cell subsets in patients with multiple sclerosis. An overview. Weiner HL, et al. **Ann NY Acad Sci** 1984; 436:281-93 (32 ref.)

Multiple sclerosis and depression [letter] Kronfol Z. **Arch Neurol** 1985 Apr;42(4):310

Multiple sclerosis. Cerebrospinal fluid immune complexes that bind C1q. Rudick RA, et al. **Arch Neurol** 1985 Sep; 42(9):856-8

Cerebrospinal fluid and peripheral blood lymphocyte subpopulations in multiple sclerosis. Evaluation by means of monoclonal antibodies (a preliminary note). Biglino A, et al. **Boll Ist Sieroter Milan** 1982;61(5):432-6

CSF immunoglobulins G in multiple sclerosis. Caputo D, et al. **Boll Ist Sieroter Milan** 1982;61(5):393-403

Imbalance in recruitment of IgG (Gm) allotype-producing B-cell subsets from blood to brain in multiple sclerosis. Goust JM, et al. **Cell Immunol** 1984 Oct 15;88(2):551-7

Interferon-gamma production by peripheral blood leucocytes from patients with multiple sclerosis and other neurological diseases. Vervliet G, et al. **Clin Exp Immunol** 1985 Feb; 59(2):391-7

Immunoglobulin G, A, and M—clonal restriction in multiple sclerosis cerebrospinal fluid and serum—analysis by two-dimensional electrophoresis. Walsh MJ, et al. **Clin Immunol Immunopathol** 1985 Jun;35(3):313-27

Effects of age, gender, and cigarette smoking on human immunoregulatory T-cell subsets: establishment of normal ranges and comparison with patients with colorectal cancer and multiple sclerosis. Burton RC, et al. **Diagn Immunol** 1983;1(3):216-23

Quantitation of multiple sclerosis specific central nervous system antigens in various regions of MS brains. Rastogi SC, et al. **Eur Neurol** 1985;24(1):41-8

Effect of multiple sclerosis alpha 2-macroglobulin on mitogen induction of lymphocyte proliferation. Rastogi SC, et al. **Immunobiology** 1985 May;169(4):339-45

Tetanus toxoid reactive T lymphocytes in the cerebrospinal fluid of multiple sclerosis patients. Burns J, et al. **Immunol Commun** 1984;13(4):361-9

Immune reactivity against membranes containing ganglioside GM1 in chronic-progressive multiple sclerosis: observation by spin-membrane immunoassay. Feix JB, et al. **Immunol Commun** 1984;13(5):465-74

Clinical significance of immunologic and immunogenetic evaluation in multiple sclerosis. Jozefczyk PB, et al. **Immunol Commun** 1984;13(4):371-9

Antibodies to Newcastle disease virus in various human diseases. Powell JA, et al. **Int Arch Allergy Appl Immunol** 1985;76(4):331-5

Measles antibodies, anti-proteinase and plasminogen distribution in serum and plasma from patients affected with multiple sclerosis and patients affected with non-neurological diseases. Bollengier F, et al. **J Clin Chem Clin Biochem** 1984 Oct;22(10):653-9

Influence of prostaglandin E2 and indomethacin on interferon-gamma production by cultured peripheral blood leukocytes of multiple sclerosis patients and healthy donors. Vervliet G, et al. **J Clin Immunol** 1985 Mar;5(2):102-8

T-cell subsets in multiple sclerosis: lack of correlation between helper and suppressor T cells and the clinical state. Zabriskie JB, et al. **J Clin Immunol** 1985 Jan;5(1):7-12

Impaired measles virus-specific cytotoxic T cell responses in multiple sclerosis. Jacobson S, et al. **J Exp Med** 1985 Sep 1;162(3):839-50

Longitudinal analysis of three intrathecally produced immunoglobulin subpopulations in an MS patient. Gerhard W, et al. **J Immunol** 1985 Mar;134(3):1555–60

Measles-specific T cell clones derived from a twin with multiple sclerosis: genetic restriction studies. Richert JR, et al. **J Immunol** 1985 Mar;134(3):1561–6

HLA-DR-dependent variation of intrathecal IgG1 (Gm) allotype synthesis in multiple sclerosis. Salier JP, et al. **J Immunol** 1985 Mar;134(3):1551–4

T cell subsets in multiple sclerosis. A longitudinal study of exacerbating-remitting cases. Bach MA, et al. **J Neuroimmunol** 1985 Feb–Mar;7(5–6):331–43

Leukocytes from multiple sclerosis patients respond to alpha- and gamma-interferons. Kamin-Lewis RM, et al. **J Neuroimmunol** 1985 Aug;9(3–4):221–7

Autoantibodies in sera from patients with multiple sclerosis directed against antigenic determinants in pituitary growth hormone-producing cells and in structures containing vasopressin/oxytocin. Møller A, et al. **J Neuroimmunol** 1985 May;8(2–3):177–84

On the presence of Ia-positive endothelial cells and astrocytes in multiple sclerosis lesions and its relevance to antigen presentation. Traugott U, et al. **J Neuroimmunol** 1985 Apr;8(1):1–14

Adherent cells suppress measles and herpes simplex I virus-induced blastogenesis of multiple sclerosis lymphocytes. Ziola B, et al. **J Neuroimmunol** 1985 Feb–Mar;7(5–6):315–30

Local and systemic immune response in multiple sclerosis: analysis of CSF inflammatory changes and peripheral blood T-cell subsets. Steck AJ, et al. **J Neurol** 1984;231(3):126–9

Immune lysis of lipid vesicles containing myelin basic protein or glycolipid antigens by multiple sclerosis and normal sera. Boggs JM, et al. **J Neurol Sci** 1984 Nov–Dec;66(2–3):339–48

Role of complement in demyelination in vitro by multiple sclerosis serum and other neurological disease sera. Bradbury K, et al. **J Neurol Sci** 1984 Sep;65(3):293–305

Regulation of lymphocyte activation by PGE2 in multiple sclerosis. DuBois JH, et al. **J Neurol Sci** 1984 Aug;65(2):211–9

Multiple sclerosis. Evidence for antigen presentation in situ by endothelial cells and astrocytes. Traugott U, et al. **J Neurol Sci** 1985 Jul;69(3):365–70

Myelin basic protein-responsive blood T lymphocytes in patients with multiple sclerosis. Hashim GA, et al. **J Neurosci Res** 1985;13(3):349–55

Cellular immunity in multiple sclerosis. Implications for pathogenesis and treatment. Thompson RF, et al. **Mo Med** 1984 Oct;81(10):669–73

In vivo activated T lymphocytes in the peripheral blood and cerebrospinal fluid of patients with multiple sclerosis. Hafler DA, et al. **N Engl J Med** 1985 May 30;312(22):1405–11

Immunology of multiple sclerosis. Oger J, et al. **Neurol Clin** 1983 Aug;1(3):655–79

CSF immune complexes in multiple sclerosis. Coyle PK. **Neurology** 1985 Mar;35(3):429–32

Oligoclonal IgA bands in multiple sclerosis and subacute sclerosing panencephalitis. Grimaldi LM, et al. **Neurology** 1985 Jun;35(6):813–7

Antibodies to myelin basic protein in multiple sclerosis [letter] Herbrink P, et al. **Neurology** 1985 Jan;35(1):139–40

Epstein-Barr nuclear antigen and viral capsid antigen antibody titers in multiple sclerosis. Larsen PD, et al. **Neurology** 1985 Mar;35(3):435–8

HLA-DR antigens in multiple sclerosis: two-dimensional gel electrophoresis. Sriram S, et al. **Neurology** 1985 Feb;35(2):248–51

Viral antibodies in twins with multiple sclerosis. Woyciechowska JL, et al. **Neurology** 1985 Aug;35(8):1176–80

Immunoregulatory T cells in multiple sclerosis: markers and functions. Bach MA. **Springer Semin Immunopathol** 1985;8(1–2):45–56 (49 ref.)

HLA and susceptibility to multiple sclerosis. Clerget-Darpoux F, et al. **Tissue Antigens** 1984 Sep;24(3):160–9

HLA and multiple sclerosis: population and families study. Govaerts A, et al. **Tissue Antigens** 1985 Apr;25(4):187–99

Distribution of HLA-SB antigens in multiple sclerosis. Moen T, et al. **Tissue Antigens** 1984 Aug;24(2):126–7

[Aspects of antiviral immunity in patients with multiple sclerosis] Mayer M. **Cas Lek Cesk** 1985 Jul 12;124(28):869–71 (25 ref.) (Eng. Abstr.) **(Cze)**

[IgG synthesis in the central nervous system in multiple sclerosis and other neurologic diseases. Measurement and validity] Safář J, et al. **Cas Lek Cesk** 1985 Sep 6;124(36):1131–6 (Eng. Abstr.) **(Cze)**

[Detection of antiviral antibodies in the serum of patients with multiple sclerosis] Ryšková O, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 Jul;33(4):198–202 (Eng. Abstr.) **(Cze)**

[Multiple sclerosis; current developments in the pathogenesis and treatment] van Lambalgen R, et al. **Ned Tijdschr Geneeskd** 1984 Sep 1;128(35).1669–73 **(Dut)**

[DNA antibodies in multiple sclerosis (letter)] Seyfert S. **Dtsch Med Wochenschr** 1984 Sep 14;109(37):1422–3 **(Ger)**

[The severity of disease and intensity of the immune response in multiple sclerosis] Schädlich HJ, et al. **Nervenarzt** 1984 Aug;55(8):441–3 **(Ger)**

[Immunologic multiple sclerosis research] Frick E. **Wien Med Wochenschr** 1985 Jan 31;135(1–2):8–9 (Eng. Abstr.) **(Ger)**

[Clinical, immunologic and electrophysiologic correlations in evaluating multiple sclerosis in relation to its development] Cazzullo CL, et al. **Minerva Med** 1984 Nov 10;75(43):2585–9 (Eng. Abstr.) **(Ita)**

[Immunological parameters in multiple sclerosis] Igata A, et al. **Rinsho Shinkeigaku** 1984 Dec;24(12):1225–8 (Eng. Abstr.) **(Jpn)**

[Immunological analysis by using animal models of multiple sclerosis--acute and chronic relapsing EAE] Tabira T. **Rinsho Shinkeigaku** 1984 Dec;24(12):1229–31 (Eng. Abstr.) **(Jpn)**

[Behavior of T lymphocytes, T helper and T suppressor, in multiple sclerosis. Preliminary report] Tilbery CP, et al. **Rev Paul Med** 1984 Jul–Aug;102(4):181–3 (Eng. Abstr.) **(Por)**

[HLA antigen study in familial cases of disseminated sclerosis and in twins] Zavalishin IA, et al. **Vrach Delo** 1984 Aug;(8):91–3 (Eng. Abstr.) **(Rus)**

[Role of neuroallergy in the pathogenesis of multiple sclerosis] Vilkov GA, et al. **Zh Nevropatol Psikhiatr** 1985;85(2):206–9 (Eng. Abstr.) **(Rus)**

[Immunologic profile of cerebrospinal fluid in multiple sclerosis in childhood] Mavra M, et al. **Srp Arh Celok Lek** 1984 Feb;112(2):205–14 (Eng. Abstr.) **(Scc)**

METABOLISM

Increase of S-100 immunoreactivity in the urinary bladder from patients with multiple sclerosis, an indication of peripheral neuronal lesion. Gu J, et al. **Am J Clin Pathol** 1984 Dec;82(6):649–54

Continual breakdown and regeneration of myelin in progressive multiple sclerosis plaques. Prineas JW, et al. **Ann NY Acad Sci** 1984;436:11–32

Interferon production by cultured peripheral leucocytes of MS patients. Vervliet G, et al. **Clin Exp Immunol** 1984 Oct;58(1):116–26

The presence of aldehyde-reacted proteins in normal and multiple sclerosis white matter. Epand RM, et al. **J Neurochem** 1985 Oct;45(4):1223–7

Studies on regional cerebral oxygen utilisation and cognitive function in multiple sclerosis. Brooks DJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Nov;47(11):1182–91

Myelin in normal and diseased states. Baumann N, et al. **Neurol Clin** 1983 Aug;1(3):701–27

MICROBIOLOGY

Evidence for the persistence of paramyxoviruses in human bone marrows. Goswami KK, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):1881–8

Viruses and demyelinating disease of the central nervous system. Roos RP. **Neurol Clin** 1983 Aug;1(3):681–700

Multiple sclerosis and exposure to household dogs. Preliminary observations. Mititelu G, et al. **Virologie** 1984 Jul–Sep;35(3):233–5

MORTALITY

Multiple sclerosis and mortality statistics. Larsen JP, et al. **Acta Neurol Scand** 1985 Mar;71(3):237–41

Diseases associated with multiple sclerosis and epilepsy. A population cohort study of 159,200 middle-aged, urban, native Swedes observed over 10 years (1970–79). Lindegård B. **Acta Neurol Scand** 1985 Apr;71(4):267–77

Onset symptoms as predictors of mortality and disability in multiple sclerosis. Visscher BR, et al. **Acta Neurol Scand** 1984 Nov;70(5):321–8

Morbidity and mortality in motor neuron disease: comparison with multiple sclerosis and Parkinson's disease: age and sex specific rates and cohort analyses. Li TM, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr;48(4):320–7

NURSING

The primary nurse as a care giver in a neurology research setting. Graham OC, et al. **J Neurosurg Nurs** 1985 Aug;17(4):260–8

OCCURRENCE

Clustering of multiple sclerosis in the county of Hordaland, Western Norway. Larsen JP, et al. **Acta Neurol Scand** 1985 May;71(5):390–5

An increase in the incidence of multiple sclerosis in western Norway. Larsen JP, et al. **Acta Neurol Scand** 1984 Aug;70(2):96–103

Epidemiological investigations into multiple sclerosis in southern Hesse. I. Methodological problems and basic epidemiologic characteristics. Lauer K, et al. **Acta Neurol Scand** 1984 Oct;70(4):257–65

Epidemiological investigations into multiple sclerosis in southern Hesse. II. The distribution of cases in relation to exogenous features. Lauer K, et al. **Acta Neurol Scand** 1984 Oct;70(4):266–73

The frequency of multiple sclerosis in Italy: a descriptive study in Ferrara. Granieri E, et al. **Ann Neurol** 1985 Jan;17(1):80–4

Multiple sclerosis: epidemiology and HLA associations. McDonald WI. **Ann NY Acad Sci** 1984;436:109–17 (58 ref.)

The national multiple sclerosis survey. Background and economic impact. Weinfeld FD, et al. **Ann NY Acad Sci** 1984;436:469–71

Optic neuritis or multiple sclerosis. Kurtzke JF. **Arch Neurol** 1985 Jul;42(7):704–10

Similar distribution of schizophrenia and multiple sclerosis [letter] Templer DI, et al. **J Clin Psychiatry** 1985 Feb;46(2):73

Unusual occurrence on a tropical island of multiple sclerosis [letter] Sheremata WA, et al. **Lancet** 1985 Sep 14;2(8455):618

Animal models of multiple sclerosis [editorial] Fleming JO. **Mayo Clin Proc** 1985 Jul;60(7):490–2

Retrospective epidemiology in multiple sclerosis and significance of canine morbillivirus in the illness etiology. Mititelu G, et al. **Neurol Psychiatr (Bucur)** 1985 Apr–Jun;23(2):59–63

Declining incidence of multiple sclerosis in the Orkney Islands. Cook SD, et al. **Neurology** 1985 Apr;35(4):545–51

Epidemiology of multiple sclerosis in US veterans: III. Migration and the risk of MS. Kurtzke JF, et al. **Neurology** 1985 May;35(5):672–8

Western Norway: a high-risk area for MS [letter] Lauer K, et al. **Neurology** 1985 Sep;35(9):1392

A new multiple sclerosis epidemic? A pilot survey. Rosman KD, et al. **S Afr Med J** 1985 Aug 3;68(3):162–3

[Preliminary data of a descriptive epidemiologic study of multiple sclerosis in the city of Turin] Cavallo G, et al. **Minerva Med** 1985 Apr 14;76(16):803–5 (Eng. Abstr.) **(Ita)**

[Epidemiology and the clinical picture of multiple sclerosis in Asia] Shibasaki H. **Rinsho Shinkeigaku** 1984 Dec;24(12):1211–3 (Eng. Abstr.) **(Jpn)**

[Patients with multiple sclerosis among the Lódź population. I. Verification of the diagnosis and clinical characteristics] Drabkowska-Kaczmarek A, et al. **Neurol Neurochir Pol** 1985 Jan–Feb;19(1):1–8 (Eng. Abstr.) **(Pol)**

[Multiple sclerosis in Cantabria. Retrospective study of 30 cases] Miró J, et al. **Rev Clin Esp** 1984 Nov 15–30;175(3–4):153–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Spinal cord multiple sclerosis lesions in Japanese patients: Schwann cell remyelination occurs in areas that lack glial fibrillary acidic protein (GFAP). Itoyama Y, et al. **Acta Neuropathol (Berl)** 1985;65(3–4):217–23

Magnetic resonance imaging of multiple sclerosis: a study of pulse-technique efficacy. Runge VM, et al. **AJR** 1984 Nov;143(5):1015–26

Atypical multiple sclerosis with concentric or lamellar demyelinated lesions: two Japanese patients studied post mortem. Itoyama Y, et al. **Ann Neurol** 1985 May;17(5):481–7

Value of multiple sclerosis diagnostic criteria. 70 autopsy-confirmed cases. Izquierdo G, et al. **Arch Neurol** 1985 Sep;42(9):848–50

Multiple sclerosis co-existent with myxedema. An autopsy case report. Nagashima T, et al. **J Neurol Sci** 1984 Nov–Dec;66(2–3):217–21

Pathology of multiple sclerosis. Powell HC, et al. **Neurol Clin** 1983 Aug;1(3):631–44

An in-vitro approach to the study of oligodendrocytes and their involvement in multiple sclerosis. Szuchet S, et al. **Neurol Clin** 1983 Aug;1(3):729–55

Oligoclonal bands in multiple sclerosis: clinical-pathologic correlation. Farrell MA, et al. **Neurology** 1985 Feb;35(2):212–8

Optic nerve demyelination induced by human serum: patients with multiple sclerosis or optic neuritis and normal subjects. Sergott RC, et al. **Neurology** 1985 Oct;35(10):1438–42

Characterization and distribution of lymphocyte subpopulations in multiple sclerosis plaques versus autoimmune demyelinating lesions. Traugott U. **Springer Semin Immunopathol** 1985;8(1–2):71–95 (91 ref.)

[Pathology and pathogenesis of multiple sclerosis from the viewpoint of neurologic disease research] Seitelberger F. **Wien Med Wochenschr** 1985 Jan 31;135(1–2):6–7 (Eng. Abstr.) **(Ger)**

[Comparative neuropathology of multiple sclerosis in Japan and the United States] Shirabe T. **Rinsho Shinkeigaku** 1984 Dec;24(12):1214–6 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Brainstem involvement in multiple sclerosis: a clinical and electrophysiological study. Sanders EA, et al. **Acta Neurol Scand** 1985 Jan;71(1):54–61

Involvement of the audiovestibular system in multiple sclerosis. An otoneurologic and audiologic study. Grénman R. **Acta Otolaryngol [Suppl] (Stockh)** 1985;420:1–95

An unusual ocular presentation of multiple sclerosis. Gutteridge IF. **Am J Optom Physiol Opt** 1985 Jan;62(1):69–71

Multiple sclerosis--Indian experience. Singhal BS. **Ann Acad Med Singapore** 1985 Jan;14(1):32–6

Quality-specific taste changes in multiple sclerosis. Catalanotto FA, et al. **Ann Neurol** 1984 Nov;16(5):611–5

Activity of multiple sclerosis during pregnancy and puerperium [letter] Poser S, et al. **Ann Neurol** 1985 Jul;18(1):101

Electrophysiological confirmation of orientation-specific contrast losses in multiple sclerosis. Kupersmith MJ, et al. **Ann NY Acad Sci** 1984;436:487–91

The flight of colors test in multiple sclerosis. Rolak LA. **Arch Neurol** 1985 Aug;42(8):759–60

Relative afferent pupillary defect [letter] Thompson HS, et al. **Arch Neurol** 1985 Jun;42(6):516

Auditory evoked responses in multiple sclerosis. Wave I abnormality. Verma NP, et al. **Arch Otolaryngol** 1985 Jan;111(1):22–4

Pattern-reversal electroretinograms and visual evoked cortical potentials in multiple sclerosis. Persson HE, et al. **Br J Ophthalmol** 1984 Oct;68(10):760–4

Brainstem auditory evoked responses and quantitative saccade studies in multiple sclerosis: a comparative evaluation. Knezevic W, et al. **Clin Exp Neurol** 1984;20:175–9

Flash and pattern presentation and pattern-reversal evoked potentials in multiple sclerosis. Czopf J. **Doc Ophthalmol** 1985 Feb;59(2):129–41

The acute deafness of definite multiple sclerosis: BAEP patterns. Fischer C, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):7–15

Responses to paired onset stimuli: implications for the delayed evoked potentials in multiple sclerosis. Riemslag FC, et al. **Electroencephalogr Clin Neurophysiol** 1985 May;62(3):155–66

Short-latency scalp somatosensory evoked potentials and central spine to scalp propagation characteristics during peroneal and median nerve stimulation in multiple sclerosis. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar;60(3):197–206

Monitoring demyelination in multiple sclerosis with multi-flash campimetry. Mustillo P, et al. **Int Ophthalmol** 1984 Jun;7(2):75–86

Brain stem auditory evoked potentials and blink reflexes in multiple sclerosis. Ferguson IT, et al. **J Laryngol Otol** 1985 Jul;99(7):677–83

Size and surface charge properties of myelin vesicles from normal and diseased (multiple sclerosis) brain. Moscarello MA, et al. **J Neurochem** 1985 Aug;45(2):415–21

Foveal interocular time thresholds and latency differences in multiple sclerosis. Ehrenstein WH, et al. **J Neurol** 1985;231(6):313–8

Neurological deficits following the hot bath test in multiple sclerosis [letter] Davis FA. **JAMA** 1985 Jan 11;253(2):203

Neurophysiology in multiple sclerosis. Eisen A. **Neurol Clin** 1983 Aug;1(3):615–29

Bladder and sexual dysfunction in multiple sclerosis. Schoenberg H. **Neurol Clin** 1983 Aug;1(3):601–13

Orienting reaction in patients with multiple sclerosis. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1985 Apr–Jun;23(2):119–30

Clinical correlations of serial somatosensory evoked potentials in multiple sclerosis. Davis SL, et al. **Neurology** 1985 Mar;35(3):359–65

Lumbosacral spinal evoked potentials in patients with multiple sclerosis. Delwaide PJ, et al. **Neurology** 1985 Feb;35(2):174–9

Visual evoked potentials by different check sizes in patients with multiple sclerosis. Oishi M, et al. **Neurology** 1985 Oct;35(10):1461–5

Brainstem auditory evoked potential and blink reflex in multiple sclerosis. Kayamori R, et al. **Neurology (NY)** 1984 Oct;34(10):1318–23

Theiler's virus infection: a model for multiple sclerosis. Friedmann A, et al. **Prog Med Virol** 1985;31:43–83 (132 ref.)

Vesical dysfunction in multiple sclerosis. Gonor SE, et al. **Urology** 1985 Apr;25(4):429–31

[Ipsilateral masking of auditory evoked potentials: a method of studying multiple sclerosis] Antonelli A, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):637–41 (Eng. Abstr.) **(Fre)**

[Influence of the stimulation frequency on the morphology of auditory evoked potentials in multiple sclerosis] Collette JL, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):631–5 (Eng. Abstr.) **(Fre)**

[Methods of EEG quantification for the improvement of diagnosis in multiple sclerosis] Ponsen L, et al. **EEG EMG** 1984 Sep;15(3):142–4 (Eng. Abstr.) **(Ger)**

[Paroxysmal phenomena in multiple sclerosis] Kesselring J. **Schweiz Med Wochenschr** 1985 Jul 27;115(30):1054–9 (Eng. Abstr.) **(Ger)**

[Test-retest variability in healthy subjects and multiple sclerosis patients] Antonelli A, et al. **Acta Otorhinolaryngol Ital** 1984 Sep–Oct;4(5):567–75 (Eng. Abstr.) **(Ita)**

[Minimal Record of Disability in Multiple Sclerosis--its application to Japanese MS patients] Kuroiwa Y, et al. **Rinsho Shinkeigaku** 1984 Nov;24(11):1095–100 (Eng. Abstr.) **(Jpn)**

[Patients with multiple sclerosis among the Lódź population. II. Clinical course of the disease and patient fitness] Drabkowska-Kaczmarek A, et al. **Neurol Neurochir Pol** 1985 Jan–Feb;19(1):9–15 (Eng. Abstr.) **(Pol)**

[Multiple sclerosis with bladder-sphincter dyssynergia] Cendrowski W. **Wiad Lek** 1984 Sep 1;37(17):1378–9 (Eng. Abstr.) **(Pol)**

[Imotivated laughter: report of 3 cases] Bertolucci PH, et al. **Arq Neuropsiquiatr** 1985 Mar;43(1):66–72 (Eng. Abstr.) **(Por)**

[Brain stem auditory evoked potentials at diagnosis in multiple sclerosis] Sainz Quevedo M. **An Otorrinolaringol Ibero Am** 1984;11(4):307–17 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Substantive and methodological issues in a rating of cognitive and psychological function in multiple sclerosis. Kaplan R. **Acta Neurol Scand [Suppl]** 1984;101:21–8

Use of rating scales to reflect cognitive and mental functioning in multiple sclerosis. Medaer R, et al. **Acta Neurol Scand [Suppl]** 1984;101:65–7

Experience in cognitive assessment in MS relevant to developing a simple rating system. Peyser JM. **Acta Neurol Scand [Suppl]** 1984;101:29–31

Cognitive and psychological assessment. Synopsis of discussions. Slater RJ. **Acta Neurol Scand [Suppl]** 1984;101:35–6

A Sexual Functioning Scale in multiple sclerosis. Szasz G, et al. **Acta Neurol Scand [Suppl]** 1984;101:37–43

Use of P300 and a dementia rating scale in the evaluation of cognitive dysfunction in MS. Tourtellotte WW, et al. **Acta Neurol Scand [Suppl]** 1984;101:32–4

The social environment and neurological disease. Grant I. **Adv Psychosom Med** 1985;13:26–48 (82 ref.)

Psychosomatic aspects of multiple sclerosis. Paulley JW. **Adv Psychosom Med** 1985;13:85–110 (60 ref.)

Psychosocial factors in multiple sclerosis and the role of stress. LaRocca NG. **Ann NY Acad Sci** 1984;436:435–42

Chronic progressive multiple sclerosis. Relationship between cerebral ventricular size and neuropsychological impairment. Rao SM, et al. **Arch Neurol** 1985 Jul;42(7):678–82

An evaluation of cognitive-behaviour therapy for depression in patients with multiple sclerosis. Larcombe NA, et al. **Br J Psychiatry** 1984 Oct;145:366–71

Degraded discrimination between speech-like sounds by patients with multiple sclerosis and Friedreich's ataxia. Quine DB, et al. **Brain** 1984 Dec;107 (Pt 4):1113–22

Hypothesis testing in patients with chronic progressive multiple sclerosis. Rao SM, et al. **Brain Cogn** 1984 Jan;3(1):94–104

Multiple sclerosis: understanding the psychologic implications. Patterson MB, et al. **Gen Hosp Psychiatry** 1985 Jul;7(3):234–8

Psychological aspects of multiple sclerosis and its treatment: toward a biopsychosocial perspective. VanderPlate C. **Health Psychol** 1984;3(3):253–72 (72 ref.)

Factors associated with unemployment of patients with multiple sclerosis. Larocca N, et al. **J Chronic Dis** 1985;38(2):203–10

Family environment as perceived by children with a chronically ill parent. Peters LC, et al. **J Chronic Dis** 1985;38(4):301–8

Depression in multiple sclerosis as a function of length and severity of illness, age, remissions, and perceived social support. McIvor GP, et al. **J Clin Psychol** 1984 Jul;40(4):1028–33

Personality factors and change with multiple sclerosis. Halligan FR, et al. **J Consult Clin Psychol** 1985 Aug;53(4):547–8

Neuropsychological findings in relapsing-remitting and chronic-progressive multiple sclerosis. Heaton RK, et al. **J Consult Clin Psychol** 1985 Feb;53(1):103–10

Psychosocial metaphors of physical distress among MS patients. Duval ML. **Soc Sci Med** 1984;19(6):635–8

[Psychological changes in multiple sclerosis] Frank C. **Wien Med Wochenschr** 1985 Jan 31;135(1–2):12–7 (Eng. Abstr.) **(Ger)**

[Psychosocial aspects of multiple sclerosis--course and coping with a chronic disease] Ritter G. **Wien Med Wochenschr** 1985 Jan 31;135(1–2):48–52 (Eng. Abstr.) **(Ger)**

[Psychosocial processing of disease exemplified by multiple sclerosis. Results of an empirical study of 27 males] Seidler GH. **Z Psychosom Med Psychoanal** 1985;31(1):61–80 (Eng. Abstr.) **(Ger)**

[Mental state of patients with multiple sclerosis] Dragon A, et al. **Neurol Neurochir Pol** 1984 Mar–Apr;18(2):165–9 (27 ref.) **(Pol)**

RADIOGRAPHY

CT of multiple sclerosis: reassessment of delayed scanning with high doses of contrast material. Spiegel SM, et al. **AJR** 1985 Sep;145(3):497–500

High-resolution computed tomography in multiple sclerosis. Barrett L, et al. **Ann Neurol** 1985 Jan;17(1):33–8

Multiple ring enhancement in a case of acute reversible demyelinating disease in childhood suggestive of acute multiple sclerosis. Ishihara O, et al. **Brain Dev** 1984;6(4):401–6

A case of multiple sclerosis with multi-ring-like and butterfly-like enhancement on computerized tomography. Morimoto T, et al. **Brain Dev** 1985;7(1):43–5

[CAT-scans and disseminated sclerosis] Bak P, et al. **Ugeskr Laeger** 1985 Apr 29;147(18):1474–7 (Eng. Abstr.) **(Dan)**

[Cranial CT changes in multiple sclerosis patients] Grobovschek M, et al. **Wien Med Wochenschr** 1985 Jan 31;135(1–2):18–9 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Total lymphoid irradiation in chronic progressive multiple sclerosis. A preliminary report. Hafstein MP, et al. **Ann NY Acad Sci** 1984;436:397–409

REHABILITATION

Practical help in multiple sclerosis. Milward S. **Br Med J [Clin Res]** 1984 Nov 24;289(6456):1441–2

Therapeutic swimming: a different kind of nursing. Lewis SM. **J Nurs Educ** 1985 Mar;24(3):125

Long-term care issues in multiple sclerosis. Frankel D. **Rehabil Lit** 1984 Sep–Oct;45(9–10):282–5

Family coping behaviors in chronic illness: a rehabilitation perspective. Power PW. **Rehabil Lit** 1985 Mar–Apr;46(3–4):78–83

[Physical therapy measures in multiple sclerosis] Fischbach R. **Wien Med Wochenschr** 1985 Jan 31;135(1–2):46–8 (Eng. Abstr.) **(Ger)**

SURGERY

Thymectomy in multiple sclerosis: a 3-year follow-up. Trotter JL, et al. **Neurology** 1985 Jul;35(7):1049–51

THERAPY

Lymphocytapheresis therapy in multiple sclerosis, a preliminary study. Medaer R, et al. **Acta Neurol Scand** 1984 Aug;70(2):111–5

Hyperbaric oxygenation does not improve multiple sclerosis [letter] Rosen JA. **Ann Neurol** 1985 Jun;17(6):615

Clinical trial of natural alpha interferon in multiple sclerosis. Knobler RL, et al. **Ann NY Acad Sci** 1984;436:382–8

The current management of multiple sclerosis. Schapiro RT, et al. **Ann NY Acad Sci** 1984;436:425–34

Clinical trials in multiple sclerosis. Problems and opportunities. Silberberg DH. **Ann NY Acad Sci** 1984;436:418–24

A double-blind controlled pilot study of plasma exchange versus sham apheresis in chronic progressive multiple sclerosis. Gordon PA, et al. **Can J Neurol Sci** 1985 Feb;12(1):39–44

Biofeedback and hypnosis in weaning from mechanical ventilators. LaRiccia PJ, et al. **Chest** 1985 Feb;87(2):267–9

Lymphocytoplasmapheresis in multiple sclerosis: preliminary laboratory findings. Ghezzi A, et al. **Ital J Neurol Sci** 1985 Mar;6(1):85–7

Immunosuppressive drug therapy with plasmapheresis in chronic progressive multiple sclerosis: a controlled study. Khatri BO, et al. **J Clin Apheresis** 1984;2(1):135–7

Partial plasma protein replacement in therapeutic plasma exchange. McLeod BC, et al. **J Clin Apheresis** 1983;1(2):115–8

Hyperbaric oxygen in chronic progressive multiple sclerosis: visual evoked potentials and clinical effects. Neiman J, et al. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):497–500

Hyperbaric oxygen and multiple sclerosis [letter] **Lancet** 1985 Mar 9;1(8428):572–3

Hyperbaric oxygen and multiple sclerosis: short-term results of a placebo-controlled, double-blind trial. Barnes MP, et al. **Lancet** 1985 Feb 9;1(8424):297–300

Hyperbaric oxygen for multiple sclerosis [letter] Neubauer RA. **Lancet** 1985 Apr 6;1(8432):810–1

Hyperbaric oxygen in the treatment of multiple sclerosis. McLeod JG. **Med J Aust** 1985 Sep 16;143(6):240–1

A double-blind trial of hyperbaric oxygen in the treatment of multiple sclerosis. Wood J, et al. **Med J Aust** 1985 Sep 16;143(6):238–40

Treatment of multiple sclerosis with anti-measles cow colostrum. Ebina T, et al. **Med Microbiol Immunol (Berl)** 1984;173(2):87–93

Chronic progressive multiple sclerosis: double-blind controlled study of plasmapheresis in patients taking immunosuppressive drugs. Khatri BO, et al. **Neurology** 1985 Mar;35(3):312–9

Plasmapheresis in progressive MS [letter] Khatri BO, et al. **Neurology** 1985 Apr;35(4):614

More on plasmapheresis in chronic progressive MS [letter] Miller RG, et al. **Neurology** 1985 Aug;35(8):1261

An assessment of plasma exchange in progressive multiple sclerosis. Weiner HL. **Neurology** 1985 Mar;35(3):320–2

Management of multiple sclerosis. How to improve the quality of life. Levine AM. **Postgrad Med** 1985 Apr;77(5):121–3, 126–7

Hyperbaric oxygen use: current studies [letter] Suke R. **Postgrad Med** 1985 May 1;77(6):44, 46

Hyperbaric oxygen treatment for multiple sclerosis. Davidson DL. **Practitioner** 1984 Oct;228(1396):903–5

[The treatment of multiple sclerosis with hyperbaric oxygen] van Crevel H, et al. **Ned Tijdschr Geneeskd** 1985 May 18;129(20):936–7 **(Dut)**

[Problems of medical and psychosocial care of chronic patients exemplified by multiple sclerosis] Gundelach U. **Off Gesundheitswes** 1985 Jan;47(1):6–10 **(Ger)**

[Therapy of multiple sclerosis] Kesselring J. **Schweiz Med Wochenschr** 1984 Sep 1;114(35):1186–90 (Eng. Abstr.) **(Ger)**

[Therapy of multiple sclerosis] Miyatake T. **Rinsho Shinkeigaku** 1984 Dec;24(12):1232–4 (Eng. Abstr.) **(Jpn)**

[Plasmapheresis and immunosuppressive drugs in the treatment of multiple sclerosis] Cendrowski W. **Neurol Neurochir Pol** 1984 May–Jun;18(3):259–62 (12 ref.) **(Pol)**

[State of research on the treatment of multiple sclerosis] Wender M. **Neurol Neurochir Pol** 1984 Nov–Dec;

18(6):513-5 **(Pol)**

[Plasmapheresis in the treatment of nervous system diseases] Zaleska B. **Neurol Neurochir Pol** 1984 Sep-Oct; 18(5):409-13 **(Pol)**

[A combined recuperative treatment plan in multiple sclerosis] Serban M, et al. **Rev Med Interna [Neurol Psihiatr]** 1984 Oct-Dec; 29(4):271-6 (Eng. Abstr.) **(Rum)**

[Hyperbaric oxygenation with hypercapnic mixture in multiple sclerosis] Golovkin VI, et al. **Sov Med** 1985; (2):22-6 (Eng. Abstr.) **(Rus)**

[Hyperbaric oxygenotherapy in the treatment of multiple sclerosis (letter)] Desola Alà J. **Med Clin (Barc)** 1984 Oct 27;83(13):562 **(Spa)**

MUMMIES

Maladies of mummies. A venture in biohistory. Shepard W. **Ala Med** 1985 Jan;54(7):41-2

Radiology of Egyptian mummy. Bloomfield JA. **Australas Radiol** 1985 Feb;29(1):64-6

Cutaneous histopathology of southwestern American Indian mummies. Speck FL, et al. **Int J Dermatol** 1984 Sep; 23(7):487-92

Mummified, frozen smallpox: is it a threat? [letter] Lewin PK. **JAMA** 1985 Jun 7;253(21):3095

Mummified human DNA cloned [news] Jones JS. **Nature** 1985 Apr 18-24;314(6012):576

Molecular cloning of Ancient Egyptian mummy DNA. Pääbo S. **Nature** 1985 Apr 18-24;314(6012):644-5

[Head hunting and hair witchcraft (Mummies 2)] Kleiss E. **Anat Anz** 1984;156(5):389-401 (Eng. Abstr.) **(Ger)**

[On a cadaver mummified within 25 days] Kashimura S, et al. **Nippon Hoigaku Zasshi** 1984 Jun;38(3):376-80 (Eng. Abstr.) **(Jpn)**

[Black larder beetles (Dermestes ater Degeer) and their pupal shells in a mummy with reference to the postmortem interval] Shibata M, et al. **Nippon Hoigaku Zasshi** 1984 Aug;38(4):445-53 (Eng. Abstr.) **(Jpn)**

MUMPS

Fatal mumps myocarditis. Baandrup U, et al. **Acta Med Scand** 1984;216(3):331-3

CEREBROSPINAL FLUID

[Antibodies in the cerebrospinal fluid of patients with mumps meningitis] Jankowski M, et al. **Med Dosw Mikrobiol** 1984; 36(3):179-88 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Complement and circulating immune complexes in children with mumps meningitis. Madaliński K, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(5):529-35

Mumps, mumps vaccination, islet cell antibodies and the first manifestation of diabetes mellitus type I. Otten A, et al. **Behring Inst Mitt** 1984 Jul;(75):83-8

Complications of mumps infection, islet-cell antibodies, and HLA. Mueller-Eckhardt G, et al. **Immunobiology** 1984 Oct; 167(4):338-44

Aqueductal stenosis following mumps virus infection. Case report. Rotilio A, et al. **Ital J Neurol Sci** 1985 Jun; 6(2):237-9

Mumps polyarthritis [letter] Fontebasso M. **J R Coll Gen Pract** 1985 Mar;35(272):152

[Considerations on the complications of epidemic parotitis] Izzi GC, et al. **Pediatr Med Chir** 1983 Nov-Dec;5(6):575-8 (Eng. Abstr.) **(Ita)**

[Sensori-neural hearing loss due to mumps--non-severe cases] Okamoto M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 May;88(5):616-25 (Eng. Abstr.) **(Jpn)**

[Comparative audiological and electroencephalographic tests for the early diagnosis of hearing disorders in epidemic parotitis in children] Belov IM, et al. **Vestn Otorinolaringol** 1984 Sep-Oct;(5):33-7 (Eng. Abstr.) **(Rus)**

[Various mechanisms of the pathogenesis and etiotropic therapy of neurologic forms of epidemic parotitis] Sichko ZhV. **Zh Nevropatol Psikhiatr** 1985;85(2):184-9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Rapid diagnosis of acute mumps infection by a direct immunoglobulin M antibody capture enzyme immunoassay with labeled antigen. Gut JP, et al. **J Clin Microbiol** 1985 Mar;21(3):346-52

[Outcome of mumps meningoencephalitis in children. Apropos of 42 cases] Sluzewski W. **Ann Pediatr (Paris)** 1985 Mar;32(3):233-5 (Eng. Abstr.) **(Fre)**

ECONOMICS

Benefits, risks and costs of immunization for measles, mumps and rubella. White CC, et al. **Am J Public Health** 1985 Jul;75(7):739-44

IMMUNOLOGY

Appearance of antibodies to two viruses in cerebrospinal fluid of patients with aseptic meningitis. Dekonenko EP, et al. **Acta Neurol Scand** 1985 Feb;71(2):146-9

Antibody responses to mumps virus proteins in natural mumps infection and after vaccination with live and inactivated mumps virus vaccines. Julkunen I, et al. **J Med Virol** 1984;14(3):209-19

Chronic mumps virus encephalitis. Mumps antibody levels in cerebrospinal fluid. Julkunen I, et al. **J Neuroimmunol** 1985 May;8(2-3):167-75

Protective effects of glycoprotein-specific monoclonal antibodies on the course of experimental mumps virus meningoencephalitis. Wolinsky JS, et al. **J Virol** 1985 Mar; 53(3):727-34

[Antiglobulins in the serum of persons with acute viral infections and their removal by immunoabsorption] Fraňková V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1985 Feb;34(1):9-14 (Eng. Abstr.) **(Cze)**

[Status of immunization of ten-year-olds against poliomyelitis, diphtheria, tetanus, pertussis, measles and mumps] Schmitt L. **Off Gesundheitswes** 1984 Oct; 46(10):494-6 **(Ger)**

[Occurrence of antibodies against epidemic parotitis virus among the population of Poland] Imbs D, et al. **Przegl Epidemiol** 1984;38(4):361-8 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Enterovirus and mumps virus infections of the nervous system. Jubelt B. **Neurol Clin** 1984 May;2(2):187-213

[Changes in the properties of the mumps virus during persistence in cell cultures] Bogomolova NN, et al. **Vopr Virusol** 1984 Sep-Oct;29(5):621-4 **(Rus)**

OCCURRENCE

Clinical mumps vaccine efficacy. Kim-Farley R, et al. **Am J Epidemiol** 1985 Apr;121(4):593-7

Mumps and postmenopausal ovarian cancer [letter] Schiffman MH, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):116-8

Mumps as a cause of admission to hospital: an estimate for Western Australia 1981. Masters PL, et al. **Aust Paediatr J** 1985 Feb;21(1):61-4

Leads from the MMWR. Mumps--United States, 1983-1984. **JAMA** 1984 Nov 2;252(17):2385-6

[Epidemic parotitis 1982] Zabicka J. **Przegl Epidemiol** 1984; 38(2):115-9 **(Pol)**

PATHOLOGY

Developmental disturbances in the hamster retina caused by a mutant of mumps virus. Löve A, et al. **Dev Neurosci** 1985;7(1):65-72

PHYSIOPATHOLOGY

[Functional activity of the adrenal cortex and sex glands in boys with epidemic parotitis] Timchenko VN, et al. **Pediatriia** 1985 Feb;(2):28-32 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Effectiveness of mumps vaccine in a school outbreak. Sullivan KM, et al. **Am J Dis Child** 1985 Sep;139(9):909-12

Scandinavian model for eliminating measles, mumps, and rubella. Rabo E, et al. **Br Med J [Clin Res]** 1984 Nov 24; 289(6456):1402-4

Mumps/measles immunization [letter] Henry RL, et al. **Med J Aust** 1985 Aug 5;143(3):129

[Results of vaccination with Czechoslovakian vaccine against parotitis] Plesník V, et al. **Cesk Pediatr** 1984 Sep; 39(9):540-6 (Eng. Abstr.) **(Cze)**

[Vaccination against epidemic parotitis] Midulla M, et al. **Pediatr Med Chir** 1984 Jan-Feb;6(1):25-30 (Eng. Abstr.) **(Ita)**

THERAPY

[Effectiveness of the treatment of neurological forms of epidemic parotitis with leukocytic interferon] Timofeeva GA, et al. **Pediatriia** 1984 Aug;(8):27-9 (Eng. Abstr.) **(Rus)**

MUMPS VACCINE

Effectiveness of mumps vaccine in a school outbreak. Sullivan KM, et al. **Am J Dis Child** 1985 Sep;139(9):909-12

Mumps/measles immunization [letter] Henry RL, et al. **Med J Aust** 1985 Aug 5;143(3):129

[Results of vaccination with Czechoslovakian vaccine against parotitis] Plesník V, et al. **Cesk Pediatr** 1984 Sep; 39(9):540-6 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Clinical mumps vaccine efficacy. Kim-Farley R, et al. **Am J Epidemiol** 1985 Apr;121(4):593-7

Vaccination against measles, mumps and rubella (MMR): a comparison between the antibody responses at the ages of 18 months and 12 years and between different methods of antibody titration. Christenson B, et al. **J Biol Stand** 1985 Apr;13(2):167-72

Antibody responses to mumps virus proteins in natural mumps infection and after vaccination with live and inactivated mumps virus vaccines. Julkunen I, et al. **J Med Virol** 1984;14(3):209-19

Mass vaccination programme aimed at eradicating measles, mumps and rubella in Sweden: vaccination of schoolchildren. Böttiger M, et al. **Vaccine** 1985 Jun; 3(2):113-6

PHARMACODYNAMICS

Mumps, mumps vaccination, islet cell antibodies and the first manifestation of diabetes mellitus type I. Otten A, et al. **Behring Inst Mitt** 1984 Jul;(75):83-8

MUMPS VIRUS

ENZYMOLOGY

Substrate specificity of the neuraminidase of different mumps virus strains. Klamm H, et al. **Acta Virol (Praha)** 1984 Nov; 28(6):473-8

GENETICS

cDNA cloning of the nucleocapsid and nucleocapsid-associated protein genes of mumps virus. Curran JA, et al. **J Gen Virol** 1985 May;66 (Pt 5):977-85

IMMUNOLOGY

Re-evaluation of immune status to measles, mumps and rubella viruses in the Canada Health Survey population and the Indochinese refugee population. Neumann PW, et al. **Can J Public Health** 1984 Jul-Aug;75(4):270-2

Virus-mediated induction in human lymphocytes of antibody-independent cytotoxicity (VDCC) and enhancement of antibody-dependent cytotoxicity (ADCC) against natural killer-resistant tumor target cells. Alsheikhly AR, et al. **Cell Immunol** 1984 Oct 15; 88(2):511-20

Humoral immunity against viral antigens in insulin-dependent diabetes mellitus (IDDM): altered IgA class immune response against mumps virus. Hyöty H, et al. **Clin Exp Immunol** 1985 Apr;60(1):139-44

Comparison of nonspecific reactivity in indirect and reverse immunoassays for measles and mumps immunoglobulin M antibodies. Tuokko H. **J Clin Microbiol** 1984 Nov; 20(5):972-6

Transplacental antibodies. Part III: Maternal antibodies against polioviruses, M. parotitidis and M. parainfluenzae. Celko A, et al. **J Hyg Epidemiol Microbiol Immunol** 1985; 29(2):193-9

Antibody responses to mumps virus proteins in natural mumps infection and after vaccination with live and inactivated mumps virus vaccines. Julkunen I, et al. **J Med Virol** 1984;14(3):209-19

Chronic mumps virus encephalitis. Mumps antibody levels in cerebrospinal fluid. Julkunen I, et al. **J Neuroimmunol** 1985 May;8(2-3):167-75

Protective effects of glycoprotein-specific monoclonal antibodies on the course of experimental mumps virus meningoencephalitis. Wolinsky JS, et al. **J Virol** 1985 Mar; 53(3):727-34

Improved enzyme-linked immunosorbent assay (ELISA) for the detection of mumps virus antibodies. Tsuji M, et al. **Kitasato Arch Exp Med** 1983 Dec;56(4):137-47

Coxsackie B, mumps, rubella, and cytomegalovirus specific IgM responses in patients with juvenile-onset insulin-dependent diabetes mellitus in Britain, Austria, and Australia. Banatvala JE, et al. **Lancet** 1985 Jun 22; 1(8443):1409-12

Micro-neutralization test for mumps virus using the 96-well tissue culture plate and PAP (peroxidase-antiperoxidase) staining technique. Okuno Y, et al. **Microbiol Immunol** 1985;29(4):327-35

Elevated mumps antibody titers in the cerebrospinal fluid suggesting chronic mumps virus infection in the central nervous system. Julkunen I, et al. **Pediatr Infect Dis** 1985 Jan-Feb;4(1):99

Virus-dependent cellular cytotoxicity in vitro. Mechanisms of induction and effector cell characterization. Alsheikhly AR, et al. **Scand J Immunol** 1985 Apr;21(4):329-35

Mumps virus-induced enhancement of the in vitro cytotoxicity of cord blood lymphocytes. Alsheikhly AR, et al. **Scand J Immunol** 1985 Apr;21(4):321-8

The role of viral glycoproteins in mumps virus-mediated antibody-dependent cellular cytotoxity in vitro. Alsheikhly AR, et al. **Scand J Immunol** 1984 Nov;20(5):449-60

T lymphocyte responses to Coxsackie B4 and mumps virus. I. Influence of HLA-DR restriction elements. Bruserud O, et al. **Tissue Antigens** 1985 Jul;26(1):41-50

[Antibodies in the cerebrospinal fluid of patients with mumps meningitis] Jankowski M, et al. **Med Dosw Mikrobiol** 1984; 36(3):179-88 (Eng. Abstr.) **(Pol)**

[Occurrence of antibodies against epidemic parotitis virus among the population of Poland] Imbs D, et al. **Przegl Epidemiol** 1984;38(4):361-8 (Eng. Abstr.) **(Pol)**

PATHOGENICITY

Developmental disturbances in the hamster retina caused by a mutant of mumps virus. Löve A, et al. **Dev Neurosci** 1985;7(1):65-72

Hemagglutinin-neuraminidase glycoprotein as a determinant of pathogenicity in mumps virus hamster encephalitis: analysis of mutants selected with monoclonal antibodies. Löve A, et al. **J Virol** 1985 Jan;53(1):67-74

PHYSIOLOGY

[Changes in the properties of the mumps virus during persistence in cell cultures] Bogomolova NN, et al. **Vopr Virusol** 1984 Sep-Oct;29(5):621-4 **(Rus)**

MUNCHAUSEN SYNDROME

Exogenous protein as the cause of nephrotic-range proteinuria. Mitas JA 2d. **Am J Med** 1985 Jul;79(1):115-8

Abdominal pain beyond belief. Murtagh J. **Aust Fam Physician** 1985 Apr;14(4):336

Munchausen's syndrome: a new variety of bleeding type-self-inflicted cheilorrhagia and cheilitis glandularis. Michalowski R. **Dermatologica** 1985;170(2):93-7

Identification of persons with Munchausen's syndrome: ethical problems. Kass FC. **Gen Hosp Psychiatry** 1985 Jul; 7(3):195-200

Munchausen's syndrome in an 85-year-old man [letter] Davis JW, et al. **J Am Geriatr Soc** 1985 Feb;33(2):154-5

The case of the fitting flyer [letter] Britain SM, et al. **N Engl J Med** 1985 Feb 21;312(8):516

Munchausen syndrome by proxy: an outpatient challenge. Guandolo VL. **Pediatrics** 1985 Mar;75(3):526-30

Munchausen syndrome by proxy: a new complication of central venous catheterization. Malatack JJ, et al. **Pediatrics** 1985 Mar;75(3):523-5

Munchausen by proxy or Polle syndrome: which term is correct? Meadow R, et al. **Pediatrics** 1984 Oct;74(4):554-6

Munchausen alert [letter] Smith T, et al. **West J Med** 1985 Mar;142(3):400

[Munchausen's syndrome] Miljanović B, et al. **Vojnosanit Pregl** 1985 Jan-Feb;42(1):56-7 **(Scr)**

[Munchausen syndrome] Maar D, et al. **Acta Chir Orthop Traumatol Cech** 1984 Jul;51(4):367-71 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

Pregnant women with Munchausen syndrome. Goodlin RC. **Am J Obstet Gynecol** 1985 Sep 15;153(2):207-10

Munchausen's syndrome with multiple pulmonary manifestations. Mitchell DM, et al. **J R Soc Med** 1985 Aug; 78(8):681-2

DIAGNOSIS

Munchausen by proxy and brain damage. Meadow R. **Dev Med Child Neurol** 1984 Oct;26(5):672-4

Munchausen's syndrome simulating torsion dystonia. Batshaw ML, et al. **N Engl J Med** 1985 May 30; 312(22):1437-9

Munchausen or Ahasuerus? [letter] Tyndel FJ. **Neurology** 1985 Jul;35(7):1083-4

Munchausen's syndrome by proxy (child abuse) presenting as apparent autoerythrocyte sensitization syndrome: an unusual presentation of Polle syndrome. Clark GD, et al. **Pediatrics** 1984 Dec;74(6):1100-2

Massive lapiduria [letter] Mullen KD. **South Med J** 1984 Oct; 77(10):1345-6

[Ferjol's asthenia syndrome. Apropos of a case] Boulanger JC, et al. **Rev Fr Gynecol Obstet** 1985 Apr;80(5):279-83 (Eng. Abstr.) **(Fre)**

[The lying Baron as patient or problems in the diagnosis of artificial diseases] Lüscher T, et al. **Schweiz Rundsch Med Prax** 1984 Oct 2;73(40):1199-201 **(Ger)**

[Munchausen syndrome in gynecology] Steiner R. **Schweiz Rundsch Med Prax** 1984 Oct 9;73(41):1243-51 (Eng. Abstr.) **(Ger)**

[A new case of Münchausen syndrome (letter)] Collazos González J, et al. **Med Clin (Barc)** 1985 Apr 20;84(15):631 **(Spa)**

[Münchausen's syndrome in children (letter)] Málaga S, et al. **Med Clin (Barc)** 1984 Oct 13;83(11):471-2 **(Spa)**

ECONOMICS

[Munchhausen's syndrome. A retrospective account of the resources employed] Nordin H, et al. **Ugeskr Laeger** 1984 May 14;146(20):1491-3 (Eng. Abstr.) **(Dan)**

PSYCHOLOGY

Factitious disorder: reflections on primary and secondary gain in Munchausen syndrome. Fisch RZ, et al. **Isr J Psychiatry Relat Sci** 1984;21(2):127-32

A variant of Munchausen's syndrome by proxy [letter] Holborow PL. **J Am Acad Child Psychiatry** 1985 Mar; 24(2):238

Forensic and family psychiatry in abuse dwarfism: Munchausen's syndrome by proxy, atonement, and addiction to abuse. Money J, et al. **J Sex Marital Ther** 1985 Spring;11(1):30-40

[Psychiatric aspects of the Munchausen syndrome] Battegay R. **Schweiz Rundsch Med Prax** 1984 Oct 2;73(40):1203-7 (Eng. Abstr.) **(Ger)**

[Case report from practice (35) (Munchausen syndrome). Female patient S.D., born 6-1-1938, sales clerk] Schmidlin M. **Schweiz Rundsch Med Prax** 1985 Mar 26;74(13):340 **(Ger)**

[Scalpellophilia—surgical aspects of the Munchausen syndrome] Siebenmann R, et al. **Schweiz Rundsch Med Prax** 1984 Oct 2;73(40):1215-21 (Eng. Abstr.) **(Ger)**

THERAPY

Long-term psychotherapy of Munchausen syndrome. Mayo JP Jr, et al. **Am J Psychother** 1984 Oct;38(4):571-8

Munchausen's syndrome and child psychiatrists [letter] Bentovim A. **Arch Dis Child** 1985 Jul;60(7):688

Management of Munchausen syndrome by proxy. Meadow R. **Arch Dis Child** 1985 Apr;60(4):385-93

Psychotherapy for Munchausen syndrome by proxy. Nicol AR, et al. **Arch Dis Child** 1985 Apr;60(4):344-8

[A 'mimickry' patient: report on attempted treatment of a self-inflicted disease] Plassmann R, et al. **Prax Kinderpsychol Kinderpsychiatr** 1985 May-Jun; 34(4):133-41 (Eng. Abstr.) **(Ger)**

MUNICIPAL GOVERNMENT

Mortality of a municipal worker cohort: I. Males. Vena JE, et al. **Am J Ind Med** 1985;7(3):241-52

Town Hall, Whitehall, and the NHS: health implications of controlling local government. McCarthy M. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):671-4

MUR-NAC-L-ALA-D-ISOGLN see **ACETYLMURAMYL-ALANYL-ISOGLUTAMINE**

MURAMIC ACIDS see under **SUGAR ACIDS**

MURAMIDASE

Light-scattering study on the influence of link-glycoproteins and lysozyme on the hyaluronate molecular conformation in solution. Blanco LN, et al. **Arch Biochem Biophys** 1985 May 15;239(1):296-304

Optically detected magnetic resonance in lysozyme: evidence for three phosphorescent TRP residues. Williamson RL, et al. **Biochem Biophys Res Commun** 1984 Dec 28; 125(3):974-9

The amino acid sequence of equine milk lysozyme. McKenzie HA, et al. **Biochem Int** 1985 Jan;10(1):23-31

Low-angle laser light scattering from surfactant solubilized biological macromolecules. Jones MN, et al. **Biochem Soc Trans** 1984 Aug;12(4):625-7

Nuclear magnetic resonance observation and dynamics of specific amide protons in T4 lysozyme. Griffey RH, et al. **Biochemistry** 1985 Feb 12;24(4):817-22

Hydrogen exchange of lysozyme powders. Hydration dependence of internal motions. Schinkel JE, et al. **Biochemistry** 1985 Jan 15;24(2):352-66

Distance measurements in spin-labeled lysozyme. Schmidt PG, et al. **Biochemistry** 1984 Aug 28;23(18):4261-6

The stabilization of proteins by osmolytes. Arakawa T, et al. **Biophys J** 1985 Mar;47(3):411-4

Hydrogen-exchange evidence for distinct structural classes in globular proteins. Gregory RB, et al. **Biopolymers** 1985 Feb;24(2):301-26

Photoacoustic study of lysozyme in water. Kubota K, et al. **Biopolymers** 1984 Dec;23(12):2951-3

Calculation of the thermodynamic quantities of solvation for lysozyme and beta-lactoglobulin A in guanidinium chloride. Lapanje S. **Biopolymers** 1984 Oct;23(10):1943-50

Sequential hydration of dry proteins: a direct difference IR investigation of sequence homologs lysozyme and alpha-lactalbumin. Poole PL, et al. **Biopolymers** 1984 Sep; 23(9):1647-66

Kinetics of hydrolysis of 4-methylumbelliferyl tetra-N-acetyl-beta-chitotetraoside by hen egg white lysozyme and pH dependence of its kinetic parameters. Tanimoto T. **Eisei Shikenjo Hokoku** 1984;(102):25-8

Identification using 1H NMR spectroscopy of slowly exchanging amide hydrogens of hen lysozyme in solution. Delepierre M, et al. **Eur J Biochem** 1984 Dec 3; 145(2):389-95

Identification of glycine spin systems in 1H NMR spectra of proteins using multiple quantum coherences. Boyd J, et al. **FEBS Lett** 1985 Jul 1;186(1):35-40

Surface accessibility of aromatic residues in human lysozyme using photochemically induced dynamic nuclear polarization NMR spectroscopy. Redfield C, et al. **FEBS Lett** 1985 Jun 17;185(2):248-52

Interaction of lysozyme with dyes. II. Binding of bromophenol blue. Subramanian M, et al. **J Biochem (Tokyo)** 1984 Jul;96(1):245-52

Dielectric studies of protein hydration and hydration-induced flexibility. Bone S, et al. **J Mol Biol** 1985 Jan 20;181(2):323-6

Protein normal-mode dynamics: trypsin inhibitor, crambin, ribonuclease and lysozyme. Levitt M, et al. **J Mol Biol** 1985 Feb 5;181(3):423-47

Comparison of goose-type, chicken-type, and phage-type lysozymes illustrates the changes that occur in both amino acid sequence and three-dimensional structure during evolution. Weaver LH, et al. **J Mol Evol** 1984-85; 21(2):97-111

What's new in lysozyme research? Always a model system, today as yesterday. Jollès P, et al. **Mol Cell Biochem** 1984 Sep;63(2):165-89 (191 ref.)

Normal modes for specific motions of macromolecules: application to the hinge-bending mode of lysozyme. Brooks B, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):4995-9

Photochemical reactivity of the homologous proteins alpha-lactalbumin and lysozyme. Edwards AM, et al. **Radiat Environ Biophys** 1985;24(2):141-8

The mechanisms of irreversible enzyme inactivation at 100C. Ahern TJ, et al. **Science** 1985 Jun 14;228(4705):1280-4

ADMINISTRATION & DOSAGE

[Use of enzymes for the correction of immunologic deficiency states in vibration disease] Prokopenko LG, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):43-5 **(Rus)**

[Administration of medications via a lymphatic vessel in the treatment of diffuse peritonitis and sepsis] Pristaĭko IaI. **Vestn Khir** 1985 Jan;134(1):68-70 (Eng. Abstr.) **(Rus)**

ANALYSIS

Detection of benign or malignant origin of ascites with combined indirect immunoperoxidase assays of carcinoembryonic antigen and lysozyme. Kyrkou KA, et al. **Acta Cytol (Baltimore)** 1985 Jan-Feb;29(1):57-62

Lysozyme concentration in tears—assessment of reference values in normal subjects. Aine E, et al. **Acta Ophthalmol (Copenh)** 1984 Dec;62(6):932-8

Distribution of a new myelomonocytic antigen (L1) in human peripheral blood leukocytes. Immunofluorescence and immunoperoxidase staining features in comparison with lysozyme and lactoferrin. Dale I, et al. **Am J Clin Pathol** 1985 Jul;84(1):24-34

Diagnosis of bovine subclinical mastitis by determination of lysozyme level in milk. Farid A, et al. **Arch Exp Veterinarmed** 1984 Nov;38(6):857-62

An improved method for measuring human tear lysozyme concentration. Velos P, et al. **Arch Ophthalmol** 1985 Jan; 103(1):31-3

Early stages in the trifluoroethanol-induced unfolding of hen egg-white lysozyme and its complex with (GlcNAc)3. Galat A. **Biochim Biophys Acta** 1985 Mar 1;827(3):221-7

Determination of lysozyme in serum, urine, cerebrospinal fluid and feces by enzyme immunoassay. Brouwer J, et al. **Clin Chim Acta** 1984 Sep 15;142(1):21-30

Ferritin and lysozyme distribution in normal and abnormal duodenal mucosae. Shousha S, et al. **Dig Dis Sci** 1985 Jul; 30(7):630-6

Lysozyme and lactoferrin in sputum from patients with chronic obstructive lung disease. Harbitz O, et al. **Eur J Respir Dis** 1984 Oct;65(7):512-20

Detection by the PAP technique of lysozyme-containing synoviocytes and their quantity in rheumatoid arthritis and osteoarthrosis. Geiler G, et al. **Histochem J** 1985 May; 17(5):562-3

Secretory component, alpha 1-antitrypsin and lysozyme in IgA deficient children. An immunohistochemical evaluation of intestinal mucosa. Dura WT, et al. **Histopathology** 1984 Sep;8(5):747-57

Relationships between levels of lysozyme, lactoferrin, salivary peroxidase, and secretory immunoglobulin A in stimulated parotid saliva. Rudney JD, et al. **Infect Immun** 1985 Sep;49(3):469-75

Muramidase (lysozyme) findings in sural and radial nerve biopsies in leprosy patients after varying periods of treatment. Haimanot RT, et al. **Int J Lepr Other Mycobact Dis** 1985 Jun;53(2):238-46

Nonlysozyme antibacterial factor in human tears. Fact or fiction? Janssen PT, et al. **Invest Ophthalmol Vis Sci** 1984 Oct;25(10):1156-60

Alpha 1-antitrypsin and lysozyme in fibrous papules and angiofibromas. Kwan TH, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):99-101

Selective separation of tryptophan-containing peptides via hydrophobic modification with 2-nitro-4-carboxyphenylsulfenyl chloride. Tanaka S, et al. **J Biochem (Tokyo)** 1985 May;97(5):1377-84

Interference of lysozyme in the sandwich enzyme-linked immunosorbent assay (ELISA). Essink AW, et al. **J Immunol Methods** 1985 Jun 12;80(1):91-6

Relationships between lysozyme concentration of human milk, bacteriologic content, and weight gain of premature infants. Braun OH, et al. **J Pediatr Gastroenterol Nutr** 1985 Aug;4(4):583-6

Heterogeneity of histiocytes in primary lung cancer stained with anti-S100 protein, lysozyme and OKT 6 antibodies. Furukawa T, et al. **Jpn J Clin Oncol** 1984 Dec;14(4):647-57

Lysozyme concentrations in synovial fluid, pleural fluid and thoracic duct lymph in rheumatoid arthritis. Klockars M, et al. **Scand J Rheumatol** 1985;14(1):69-75

[Clinical significance of the lysozyme level in bronchial lavage] Du BY, et al. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Oct;7(5):291-2 (Eng. Abstr.) **(Chi)**

[Determination and analysis of lysozyme and IgA in dental plaque and saliva and IgG in saliva of patients with dental caries and gingivitis] Deng HS. **Chung Hua I Hsueh Tsa Chih** 1984 Oct;64(10):598-600 (Eng. Abstr.) **(Chi)**

[Diagnostic value of lysozyme activity in pleural effusion] Li JZ. **Chung Hua Nei Ko Tsa Chih** 1984 Nov;23(11):692-3 (Eng. Abstr.) **(Chi)**

[Quantitative determination of lysozyme in tears and diagnosis of dry eye] Rong BL. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):228-31 **(Chi)**

[Quantitative determination of lysozyme in tears in 172 cases] Wu LX. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):232-4 **(Chi)**

[An autopsy case of malignant histiocytosis showing a phenotype of S100 +lysozyme] Miyamoto Y, et al. **Gan No Rinsho** 1984 Nov;30(14):1823–6 (Eng. Abstr.) **(Jpn)**

[Clinical importance of determining lysozyme in secretions and blood serum in chronic liver diseases in children] Volkova AA, et al. **Pediatriia** 1985 Jun;(6):27–9 (Eng. Abstr.) **(Rus)**

[Lysozyme content in bronchial washings] Didkovskii NA, et al. **Ter Arkh** 1985;57(3):127–9 **(Rus)**

[Comparative study of concentrations of lysozyme in serum, bronchoalveolar washings and alveolar macrophages in lung diseases] Belianovskaia TI. **Vrach Delo** 1984 Dec;(12):28–31 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Dye-sensitized photo-oxidation of enzymes. Tsai CS, et al. **Biochem J** 1985 Jan 1;225(1):203–8

Specific inhibition by prostaglandin D2 and its metabolites of lysozyme synthesis in mouse macrophage-like cell line, Mm-1. Kasukabe T, et al. **Biochim Biophys Acta** 1985 Mar 21;844(3):330–6

BIOSYNTHESIS

Virulence of staphylococci to mice and its relation to lysozyme production and coagulase activity. Selim SA, et al. **Arch Exp Veterinarmed** 1984 Sep;38(5):692–6

BLOOD

Serum lysozyme in patients with localized and generalized granuloma annulare. Padilla RS, et al. **Arch Dermatol** 1985 May;121(5):624–5

Cyclic tetrameric clusters of chemotactic peptides as superactive activators of lysozyme release from human neutrophils. Kraus JL, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):939–44

Seasonal changes in the white blood cell system, lyzozyme activity and cortisol level in Arabian brood mares and their foals. Gill J, et al. **Comp Biochem Physiol** [A] 1985; 81(3):511–23

Serum lysozyme concentration in silicosis patients and workers exposed to silica dust. Koskinen H, et al. **Eur J Respir Dis** 1984 Oct;65(7):481–5

Serum lysozyme (muramidase) levels in healthy subjects aged 10–90 years. Wagner V, et al. **Physiol Bohemoslov** 1985; 34(2):189–92

Serum lysozyme activity in relation to the nitroblue tetrazolium reduction test in newborn calves and cows. Degórski A, et al. **Zentralbl Veterinarmed** [A] 1985 Apr; 32(4):241–8

Nitroblue tetrazolium reduction test and serum lysozyme assay in newborn Arabian foals and mares. Frymus T, et al. **Zentralbl Veterinarmed** [B] 1985 Apr;32(4):280–6

[Effect of levamisole on the level of antihemagglutinins, serum sialic acid and lysozyme in the aerosol vaccination of chickens against Newcastle disease] Angelov AT, et al. **Vet Med Nauki** 1984;21(10):63–6 (Eng. Abstr.) **(Bul)**

[Usefulness of the determination of serum lysozyme levels in dogs with tumors] Borst GH, et al. **Tijdschr Diergeneeskd** 1984 Aug 15;109(15–16):627–9 (Eng. Abstr.) **(Dut)**

[Serum lysozyme level in children with acute leukemia and malignant diseases] Dick W, et al. **Padiatr Padol** 1985; 20(1):25–32 (Eng. Abstr.) **(Ger)**

[Serum lysozyme activity in workers with ceramic pneumoconiosis] Kato Y, et al. **Nippon Eiseigaku Zasshi** 1985 Feb;39(6):930–7 (Eng. Abstr.) **(Jpn)**

[Serum angiotensin-converting enzyme and lysozyme activities as markers of host immunoreactive cells in lung cancer] Min K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Apr;22(4):311–7 (Eng. Abstr.) **(Jpn)**

[Serum lysozyme levels in patients with pulmonary tuberculosis and chronic nonspecific lung diseases] Rakovskaia RV, et al. **Vrach Delo** 1985 Jun;(6):41–2 **(Rus)**

[Lysozyme in the colostrum and blood of calves and dairy cows] Paulík S, et al. **Vet Med (Praha)** 1985 Jan;30(1):21–8 (Eng. Abstr.) **(Slo)**

[Serum muramidase activity in chronic myeloid leukemia] Cervantes F, et al. **Med Clin (Barc)** 1984 Dec 8;83(19):792–4 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

The value of the measurement of cerebrospinal fluid levels of lysozyme in the diagnosis of neurological disease. Firth G, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul; 48(7):709–12

DEFICIENCY

[Imbalance of aggression and protective factors in the gastric juice in children with exacerbated peptic ulcer] Dorofeichuk VG, et al. **Pediatriia** 1984 Jul;(7):40–2 (Eng. Abstr.) **(Rus)**

GENETICS

Control of lysozyme gene expression in differentiating HL-60 cells. Polansky DA, et al. **Br J Haematol** 1985 May; 60(1):7–17

Cloning and expression of genes for lysozyme and a 20-kDal protein of colitis bacteriophage. Vasavada HA, et al. **Gene** 1985;34(1):9–15

Efficient expression of cloned complementary DNAs for secretory proteins after injection into Xenopus oocytes. Krieg P, et al. **J Mol Biol** 1984 Dec 15;180(3):615–43

Glucocorticoid and progesterone receptors bind to the same sites in two hormonally regulated promoters. von der Ahe D, et al. **Nature** 1985 Feb 21–27;313(6004):706–9

A genetic screen for mutations that increase the thermal stability of phage T4 lysozyme. Alber T, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):747–50

Disulfide bond engineered into T4 lysozyme: stabilization of the protein toward thermal inactivation. Perry LJ, et al. **Science** 1984 Nov 2;226(4674):555–7

IMMUNOLOGY

Rearranged beta T cell receptor genes in a helper T cell clone specific for lysozyme: no correlation between V beta and MHC restriction. Goverman J, et al. **Cell** 1985 Apr; 40(4):859–67

Nucleotide sequences of five anti-lysozyme monoclonal antibodies. Darsley MJ, et al. **EMBO J** 1985 Feb;4(2):393–8

Three distinct epitopes within the loop region of hen egg lysozyme defined with monoclonal antibodies. Darsley MJ, et al. **EMBO J** 1985 Feb;4(2):383–92

Immunoregulation of lysozyme-specific suppression. II. Hen egg-white lysozyme-specific monoclonal suppressor T cell factor suppresses the afferent phase of delayed-type hypersensitivity and induces second-order suppressor T cells. Adorini L, et al. **Eur J Immunol** 1984 Sep; 14(9):826–30

Immunoregulation of lysozyme-specific suppression. I. Induction and suppression of delayed-type hypersensitivity to hen egg-white lysozyme. Colizzi V, et al. **Eur J Immunol** 1984 Sep;14(9):820–5

Processing and presentation of hen egg-white lysozyme by macrophages. Allen PM, et al. **Immunobiology** 1984 Dec; 168(3–5):182–8

Selective reversal of H-2 linked genetic unresponsiveness to lysozymes. I. Non-H-2 gene(s) closely linked to the Ir-2 locus on chromosome 2 permit(s) an antilysozyme response in H-2b mice. Sadegh-Nasseri S, et al. **Immunogenetics** 1984;20(5):535–46

T cell tolerance studied at the level of antigenic determinants. I. Latent reactivity to lysozyme peptides that lack suppressogenic epitopes can be revealed in lysozyme-tolerant mice. Oki A, et al. **J Exp Med** 1985 May 1;161(5):897–911

T cell recognition of lysozyme. IV. Localization and genetic control of the continuous T cell recognition sites by synthetic overlapping peptides representing the entire protein chain. Bixler GS Jr, et al. **J Immunogenet** 1984 Oct–Dec;11(5–6):327–37

T cell recognition of lysozyme. III. Recognition of the 'surface-simulation' synthetic antigenic sites. Bixler GS Jr, et al. **J Immunogenet** 1984 Jun–Aug;11(3–4):245–50

Recognition and display of the predominant idiotype among members of the regulatory circuitry controlling the anti-lysozyme immune response. Araneo BA, et al. **J Immunol** 1985 Feb;134(2):1073–9

Interaction of monoclonal anti-peptide antibodies with lysozyme. Hirayama A, et al. **J Immunol** 1985 May; 134(5):3241–7

Crystalline monoclonal antibody Fabs complexed to hen egg white lysozyme. Silverton EW, et al. **J Mol Biol** 1984 Dec 15;180(3):761–5

Detection of distant antigenic relationships between insect and bird lysozymes by ELISA. Hoffmann D, et al. **J Mol Evol** 1984;21(1):14–8

Establishment of T cell hybridomas which produce suppressor factors specific to the hen egg-white lysozyme (HEL). Nagatani T, et al. **Jpn J Exp Med** 1984 Feb; 54(1):1–8

Three-dimensional structure of an antigen-antibody complex at 6 A resolution. Amit AG, et al. **Nature** 1985 Jan 10–18; 313(5998):156–8

Ia-transfected L-cell fibroblasts present a lysozyme peptide but not the native protein to lysozyme-specific T cells. Shastri N, et al. **Proc Natl Acad Sci USA** 1985 Sep; 82(17):5885–9

[Analysis of hen egg white lysozyme specific proliferating T cells] Ishii N, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Mar;95(4):431–6 **(Jpn)**

[Analysis of hen egg white lysozyme specific delayed type hypersensitivity hybridomas] Ishii N, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Nov;94(13):1531–6 **(Jpn)**

[Lysozyme activity and immunoglobulin level in the duodenal contents of preschool children with chronic gastroduodenitis] Sazanova NE, et al. **Pediatriia** 1984 Jul; (7):17–20 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Chitin-coated Celite as an affinity adsorbent for high-performance liquid chromatography of lysozyme. Yamada H, et al. **Anal Biochem** 1985 Apr;146(1):71–4

The isolation and characterization of lysozyme from human foetal membranes: a comparison with the enzyme from other sources. Barling PM, et al. **Comp Biochem Physiol** [B] 1985;81(2):509–13

Isolation and characterization of the bacteriophage T4 tail-associated lysozyme. Nakagawa H, et al. **J Virol** 1985 May;54(2):460–6

METABOLISM

Lysozyme activity in bronchial and broncho-alveolar fluids. Carnimeo N, et al. **Allergol Immunopathol (Madr)** 1985 Jan–Feb;13(1):53–8

A convenient protein substrate for the determination of protease specificity: reduced and S-3-(trimethylated amino)propylated lysozyme. Okazaki K, et al. **Anal Biochem** 1985 Feb 15;145(1):87–90

Tear lysozyme measurements in chronic blepharitis. Dougherty JM, et al. **Ann Ophthalmol** 1985 Jan;17(1):53–7

Studies of the substructures of the lysozyme-rich secretory granule of the serous cell in the human nasal gland. Machino M, et al. **Arch Histol Jpn** 1984 Nov;47(5):549–51

Localization of lysozyme in the frozen section of nasal mucosa by protein A-gold technique. Tachibana M, et al. **Auris Nasus Larynx** 1985;12(1):23–6

Involvement of tryptophan residues of lysozyme in its binding with cytosine arabinoside. Datta G, et al. **Biochem Pharmacol** 1984 Oct 15;33(20):3125–9

Comparison of the transient folding intermediates in lysozyme and alpha-lactalbumin. Kuwajima K, et al. **Biochemistry** 1985 Feb 12;24(4):874–81

Characterization of the transition state of lysozyme unfolding. I. Effect of protein-solvent interactions on the transition state. Segawa S, et al. **Biopolymers** 1984 Nov;23(11 Pt 2):2473–88

Characterization of the transition state of lysozyme unfolding. II. Effects of the intrachain crosslinking and the inhibitor binding on the transition state. Segawa S, et al. **Biopolymers** 1984 Nov;23(11 Pt 2):2489–98

Lysozyme as a measure of cellular dynamics in the lesions of leprosy. Ridley MJ, et al. **Br J Exp Pathol** 1985 Feb; 66(1):109–22

1H- and 13C-n.m.r. assignments and conformational analysis of some monosaccharide and oligosaccharide substrate-analogues of lysozyme. Boyd J, et al. **Carbohydr Res** 1985 Jun 15;139:35–46

Hydrolysis of 4-methylumbelliferyl tetra-N-acetyl-beta-chitotetraoside by lysozyme and its inhibition by N,N',N''-triacetylchitotriose. Tanimoto T, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3607–14

Effects of aminoglycoside treatment on renal protein reabsorption and accumulation. Cojocel C, et al. **Contrib Nephrol** 1984;42:196–201

X-ray characterisation of an additional binding site in lysozyme. Veerapandian B, et al. **FEBS Lett** 1985 Jul 8; 186(2):163–7

In vitro evidence that human airway lysozyme is cleaved and inactivated by Pseudomonas aeruginosa elastase and not by human leukocyte elastase. Jacquot J, et al. **Infect Immun** 1985 Feb;47(2):555–60

Levels of salivary lysozyme, lactoperoxidase, and lactoferrin in diabetic hamsters. Muratsu K, et al. **Infect Immun** 1985 May;48(2):389–94

Effect of alkylation with different sized substituents on the conformation of ovomucoid, lysozyme and ovotransferrin. Fretheim K, et al. **Int J Pept Protein Res** 1985 Jun; 25(6):601–7

Evidence for interaction of substrate analogs with chicken eggwhite lysozyme after exhaustive reduction of disulfide bonds. White FH Jr. **Int J Pept Protein Res** 1984 Nov; 24(5):453–61

Sensitivity of Coxiella burnetii peptidoglycan to lysozyme hydrolysis and correlation of sacculus rigidity with peptidoglycan-associated proteins. Amano K, et al. **J Bacteriol** 1984 Dec;160(3):989–93

The mechanism of soluble peptidoglycan hydrolysis by an autolytic muramidase. A processive exodisaccharidase. Barrett JF, et al. **J Biol Chem** 1984 Oct 10;259(19):11818–27

Immunocytochemical localization of lysozyme and alpha-1-antichymotrypsin in the term human placenta: an attempt to characterize the Hofbauer cell. Braunhut SJ, et al. **J Histochem Cytochem** 1984 Nov;32(11):1204–10

Micromolar concentrations of free calcium provoke secretion of lysozyme from human neutrophils permeabilized with saponin. Smolen JE, et al. **J Immunol** 1985 Mar; 134(3):1859–65

Immunohistochemical investigation of lysozyme, lactoferrin, alpha 1-antitrypsin, alpha 1-antichymotrypsin and ferritin in parotid gland tumors. Sehested M, et al. **J Oral Pathol** 1985 Jul;14(6):459–65

Study of the mechanism behind adjuvant action of diethylethoxymethylene malonate enhancing the rectal absorption of cefmetazole and lysozyme. Nishihata T, et al. **J Pharmacobiodyn** 1984 Sep;7(9):607–13

Origin of lysozyme in amniotic fluid. Umezu T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb;37(2):301–3

Immunohistochemical identification of alpha-1-antitrypsin, alpha-1-antichymotrypsin, and lysozyme in focal hyperplastic gingivitis. Kivens R, et al. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):167–71

Renal processing of low molecular weight proteins. Cojocel C, et al. **Pflugers Arch** 1984 Aug;401(4):333–9

Protonic conductivity of hydrated lysozyme powders at megahertz frequencies. Careri G, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5342–6

The effect of ageing and disease on tear constituents. Seal DV. **Trans Ophthalmol Soc UK** 1985;104 (Pt 4):355–62

Glomerular lysozyme binding in protein-overload proteinuria. Bliss DJ, et al. **Virchows Arch [Cell Pathol]**

1985;48(4):351-9

[The physiological and diagnostic importance of lysozyme in cow's milk] Grün E. **Allerg Immunol (Leipz)** 1985; 31(1):3-15 (Eng. Abstr.) **(Ger)**

[Detection of induced enzyme secretion from neutrophilic granulocytes in the human--a marker of cell activation] von Baehr R, et al. **Folia Haematol (Leipz)** 1984; 111(5):692-700 (Eng. Abstr.) **(Ger)**

[Lysozyme in children with acute and chronic inflammatory intestinal diseases] Dick W, et al. **Padiatr Padol** 1985; 20(2):143-50 (Eng. Abstr.) **(Ger)**

[Effect of OK-432 on activated lysozyme in monocytes and neutrophils --comparison of intravenous and intramuscular administrations] Fujii M, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):383-4 **(Jpn)**

[Studies on changes of lysozyme activity during pre- and postoperative periods in alimentary tract surgery] Sasaki M. **Nippon Geka Gakkai Zasshi** 1984 Jun;85(6):521-33 (Eng. Abstr.) **(Jpn)**

[Partitioning and concentration of egg lysozyme between the serum and paranasal tissue after administration of egg lysozyme] Ishida M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Dec;87(12):1678-83 (Eng. Abstr.) **(Jpn)**

[Simultaneous measurement of phagocytic and lysozyme activities in leukemic cells] Nagata T, et al. **Rinsho Byori** 1984 Aug;32(8):890-4 **(Jpn)**

[Effect of levamisole on alpha 2-macroglobulin and lysozyme levels in the trachea, peritoneal exudate and serum of mice] Alekseeva NE, et al. **Ukr Biokhim Zh** 1985 Jan-Feb; 57(1):58-61 (Eng. Abstr.) **(Rus)**

[Evaluation of Ig and muramidase (lysozyme) in unspecified chronic duodenitis (bulbitis)] Domenichini E, et al. **Acta Gastroenterol Latinoam** 1983;13(2):117-39 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of proteins on reovirus adsorption to clay minerals. Lipson SM, et al. **Appl Environ Microbiol** 1984 Sep; 48(3):525-30

A turbidimetric and electron microscopic study of the effects of several parameters on the lysis of Streptococcus faecalis by lysozyme. Carvalho ME, et al. **Can J Microbiol** 1984 Jul;30(7):905-15

Factors affecting sensitivity of group B streptococci to an exogenous murein hydrolase. Horne D, et al. **Can J Microbiol** 1985 May;31(5):417-22

Effects of the virulence plasmid ColV, I-K94 on the sensitivity of Escherichia coli to putative environmental inhibitory agents. de Pacheco CS, et al. **Experientia** 1985 Jan 15;41(1):133-6

A comparison of bacterial aggregation induced by saliva, lysozyme, and zinc. Golub EE, et al. **Infect Immun** 1985 Apr;48(1):204-10

Lysozyme-mediated aggregation and lysis of the periodontal microorganism Capnocytophaga gingivalis 2010. Iacono VJ, et al. **Infect Immun** 1985 Feb;47(2):457-64

Bactericidal activity of human lysozyme, muramidase-inactive lysozyme, and cationic polypeptides against Streptococcus sanguis and Streptococcus faecalis: inhibition by chitin oligosaccharides. Laible NJ, et al. **Infect Immun** 1985 Jun;48(3):720-8

Lysozyme-mediated de-chaining of Streptococcus mutans and its antibacterial significance in an acidic environment. Iacono VJ, et al. **J Dent Res** 1985 Jan;64(1):48-53

Possible selection of beta-lactamase-producing Staphylococcus aureus by lysozyme [letter] Millar M, et al. **Lancet** 1984 Oct 27;2(8409):987

Influence of bacterial cell concentration and inorganic anions on lysis of Streptococcus mutans BHT by salivary lysozyme. Twetman S, et al. **Scand J Dent Res** 1984 Dec; 92(6):533-8

[Effect of prodigiozan and lysozyme on the surface structures of macrophages after immunosuppression] Shcherbakova EG, et al. **Antibiotiki** 1984 Nov;29(11):840-4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Scanning electron microscopic study of Streptococcus mutans BHT lysed by lysozyme. Twetman S, et al. **Scand J Dent Res** 1985 Feb;93(1):23-9

[Changes in lysozyme activity in hyperlipidemia and atherosclerosis in animals] Postnikova NV, et al. **Biol Nauki** 1985;(4):53-6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Study of a photo-induced lysozyme-riboflavin bond. Ferrer I, et al. **Radiat Environ Biophys** 1985;24(1):63-70

[The effect of irradiation with the He-Ne laser on salivary lysozyme] Hubáček J, et al. **Cesk Otolaryngol** 1985 Jun; 34(3):147-51 (Eng. Abstr.) **(Cze)**

SECRETION

Lysozyme: a major secretory product of a human colon carcinoma cell line. Fett JW, et al. **Biochemistry** 1985 Feb 12;24(4):965-75

Influence of fever temperatures and of some cytoactive drugs on in vitro lysozyme release from monocytes and granulocytes. Haneberg B, et al. **Int J Immunopharmacol** 1985;7(1):51-5

[The lysozyme liberation test--a method for the demonstration of stimulation of human neutrophil granulocytes and monocytes] Timm M, et al. **Allerg Immunol (Leipz)** 1984;30(3):175-82 (Eng. Abstr.) **(Ger)**

STANDARDS

[Lysozyme Reference Standard (Control 831) of National Institute of Hygienic Sciences] Tanimoto T, et al. **Eisei Shikenjo Hokoku** 1984;(102):127-9 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Cyclic lysozyme administration as a tool for immunopotentiation in patients with multiple myeloma. Vacca A, et al. **Chemioterapia** 1985 Apr;4(2):147-55

[Influence of lysozyme on the circulating level of immune complexes in patients with rheumatoid arthritis] Di Matteo L, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):783-6 (Eng. Abstr.) **(Ita)**

[Clinico-therapeutic evaluation of the efficacy of lysozyme in the prevention and treatment of chronic recurrent bronchopulmonary disorders] Andalò A, et al. **Clin Ter** 1985 Jan 15;112(1):31-6 (Eng. Abstr.) **(Ita)**

[Lysozyme in the feeding of premature infants with mixed pathology] Bol'shakova AM, et al. **Antibiotiki** 1984 Oct; 29(10):784-90 (Eng. Abstr.) **(Rus)**

[Use of lysozyme in the treatment of trophic ulcers of the lower extremities] Polous IuM, et al. **Klin Khir** 1984 Oct; (10):70 **(Rus)**

[Experimental basis for the clinical use of lysozyme for treating chronic periodontitis] Groshikov MI, et al. **Stomatologiia (Mosk)** 1984 Sep-Oct;63(5):4-5 (Eng. Abstr.) **(Rus)**

[Immunostimulating activity of lysozyme in vitro in patients with injuries to the jaw bones complicated by suppurative infection] Tsarev VN, et al. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):42-3 (Eng. Abstr.) **(Rus)**

URINE

Application of fluorescence polarization to the determination of urinary lysozyme activity. Miura H. **Clin Biochem** 1985 Feb;18(1):40-7

Clinical evaluation of beta 2-microglobulin, muramidase, and alanine aminopeptidase as markers of gentamicin nephrotoxicity. Davey PG, et al. **Contrib Nephrol** 1984; 42:100-6

Enzymuria as a marker of renal injury and disease: studies of N-acetyl-beta-glucosaminidase, alanine aminopeptidase and lysozyme in patients with renal disease. Palmieri L, et al. **Contrib Nephrol** 1984;42:123-9

Labilising effect of suramin on rat kidney lysosomes in vivo. Akanji MA. **Toxicol Lett** 1984 Dec;23(3):273-7

[Diagnostic value of lysozyme determination in the urine] Kutter D. **Z Med Lab Diagn** 1985;26(1):21-7 **(Ger)**

[Changes in urinary lysozyme in renal transplantation] González L, et al. **Actas Urol Esp** 1985 Jan-Feb;9(1):59-62 (Eng. Abstr.) **(Spa)**

MURAMYL DIPEPTIDE see **ACETYLMURAMYL-ALANYL-ISOGLUTAMINE**

MURDER see **HOMICIDE**

MUREIN see **PEPTIDOGLYCAN**

MUREXIDE see under **BARBITURATES**

MURIDAE

Exploratory behavior of two species of murid rodents, Acomys cahirinus and Mus musculus: a comparative study. Birke LI, et al. **Behav Neural Biol** 1985 Mar;43(2):143-61

Mastomys natalensis: a new animal model for Mycobacterium ulcerans research. Singh NB, et al. **Indian J Exp Biol** 1984 Jul;22(7):393-4

Studies of Angiostrongylus cantonensis in two experimental hosts. Uchida K, et al. **J Helminthol** 1984 Sep;58(3):255-8

Laboratory trials of three anticoagulant rodenticides for use against the Indian field mouse, Mus booduga Gray. Balasubramanyam M, et al. **J Hyg (Lond)** 1984 Dec; 93(3):575-8

Evaluation of coumatetralyl against two predominant murid species. Chopra G, et al. **J Hyg (Lond)** 1985 Jun; 94(3):327-30

Tumor induction in Praomys (Mastomys) natalensis by N,N'-2,7-fluorenylenebisacetamide. Hoch-Ligeti C, et al. **JNCI** 1985 Apr;74(4):909-15

Chronic pulmonary cryptococcosis in a Rattus rattus from Rabaul, Papua New Guinea. Scrimgeour EM, et al. **Trans R Soc Trop Med Hyg** 1984;78(6):827-8

[Experimental deratization on a commercial swine-breeding farm] Kesiakova S, et al. **Vet Med Nauki** 1985;22(6):86-93 (Eng. Abstr.) **(Bul)**

[Distribution of rodents in an endemic area of hemorrhagic fever renal syndrome infection in Chen-qiao District, Ying-shang County, Anhui Province] Wu XK. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Feb; 6(1):15-7 (Eng. Abstr.) **(Chi)**

[Experimental animal information file: Millardia meltada] Kawamata J. **Gan To Kagaku Ryoho** 1985 Jan;12(1):176-8 **(Jpn)**

[Experimental animal information file: Millardia meltada] Kawamata J. **Gan To Kagaku Ryoho** 1985 Feb; 12(2):399-401 **(Jpn)**

ANATOMY & HISTOLOGY

Morphological and histochemical study of the submandibular gland in Praomys (Mastomys) natalensis. Sirigu P, et al. **Acta Anat (Basel)** 1985;121(2):81-3

Ultrastructure of the epithelial cells of the ventral prostate from the hopping mouse Notomys alexis. Wong YC, et al. **Acta Anat (Basel)** 1985;121(3):163-9

The ovary of the wood mouse, Apodemus sylvaticus, during late pregnancy and lactation. Eriksson M. **Acta Morphol Neerl Scand** 1984 Dec;22(4):297-305

Adrenal cortex of Micromys minutus japonicus (Japanese harvest mouse). Its histochemical and fine structural study. Sugihara H, et al. **Acta Pathol Jpn** 1985 Mar;35(2):323-8

Morphological variation in the female reproductive tract of Australian rodents in the genera Pseudomys and Notomys. Breed WG. **J Reprod Fertil** 1985 Mar;73(2):379-84

BLOOD

Haematology and pathology of captive southern grasshopper mice (Onychomys torridus). Swindle MM, et al. **Lab Anim** 1985 Jul;19(3):195-9

Atropine esterase status of laboratory mice. Fox RR, et al. **Lab Anim Sci** 1984 Aug;34(4):381-2

EMBRYOLOGY

Perinatal development of the small intestine and pancreas in rat and spiny mouse. Its relation to altricial and precocial timing of birth. Lamers WH, et al. **Biol Neonate** 1985; 47(3):153-62

GENETICS

Novel carbonic anhydrase (Car-2) allele in Spanish mice. Whitney JB 3d. **Biochem Genet** 1984 Oct;22(9-10):913-22

Variation in the major urinary protein multigene family in wild-derived mice. Sampsell BM, et al. **Genetics** 1985 Mar; 109(3):549-68

Beta-2 microglobulin types in mice of wild origin. Robinson PJ, et al. **Immunogenetics** 1984;20(6):655-65

Occurrence of a unique MHC class I gene in distantly related members of the genus Mus. Siwarski DF, et al. **Immunogenetics** 1985;21(3):267-76

An evolutionary switch in tissue-specific gene expression. Abundant expression of alpha 1-antitrypsin in the kidney of a wild mouse species. Berger FG, et al. **J Biol Chem** 1985 Jan 25;260(2):1160-5

Analysis of wild-derived mice for Fv-1 and Fv-2 murine leukemia virus restriction loci: a novel wild mouse Fv-1 allele responsible for lack of host range restriction. Kozak CA. **J Virol** 1985 Aug;55(2):281-5

[Electrophoretic variability in a total of 11 structural sites in murine rodents (Muridae, Rodentia)] Iskandar D, et al. **Can J Genet Cytol** 1984 Oct;26(5):622-7 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

A stereological study of neocortical maturation in the precocial mouse, Acomys cahirinus. Brunjes PC. **Brain Res** 1985 Apr;351(2):279-87

The relation of growth performance to dietary oil source in African giant rat (Cricetomys gambianus Waterhouse). Amubode FO. **Lab Anim** 1985 Apr;19(2):134-7

IMMUNOLOGY

Autoimmune thyroiditis. Spontaneous autoimmune thyroiditis in praomys (Mastomys) coucha. Solleveld HA, et al. **Am J Pathol** 1985 May;119(2):345-9

Sequential changes in the antibody response of Mastomys natalensis consequent to Brugia malayi infection. Tyagi K, et al. **Indian J Med Res** 1985 Mar;81:269-74

Comparison of MHC genes among distantly related members of the genus Mus. Rogers MJ, et al. **J Immunol** 1985 Jan; 134(1):630-6

METABOLISM

Role of histamine in the cell turnover changes associated with experimental gastric ulceration in the mastomys. André F, et al. **Gastroenterology** 1985 Feb;88(2):452-7

Impact of scorpion Heterometrus fulvipes venom on cholinesterase rhythmicity in the tropical mouse Mus booduga. Narayana Reddy BS, et al. **Indian J Physiol Pharmacol** 1984 Jan-Mar;28(1):47-52

Localization of hydroxysteroid dehydrogenases, glucose-6-phosphate dehydrogenase and diaphorase in the testis and epididymis of the brown spiny mouse, Mus platythrix, Bennet. Suresh R, et al. **Z Mikrosk Anat Forsch** 1984;98(4):535-42

MICROBIOLOGY

Hantaan-like viruses from domestic rats captured in the United States. LeDuc JW, et al. **Am J Trop Med Hyg** 1984 Sep;33(5):992-8

Environmental and biological determinants for the prevalence of leptospirosis among wild small mammal hosts, island of Hawaii. Shimizu MM. **Int J Zoonoses** 1984

Dec;11(2):173–88

Reservoir animals for nephropathia epidemica in Norway: indications of a major role for the bank vole (C. glareolus) in comparison with the woodmouse (A. sylvaticus). Sommer AI, et al. **J Hyg (Lond)** 1985 Feb;94(1):123–7

A Mus dunni cell line that lacks sequences closely related to endogenous murine leukemia viruses and can be infected by ectropic, amphotropic, xenotropic, and mink cell focus-forming viruses. Lander MR, et al. **J Virol** 1984 Nov; 52(2):695–8

The occurrence of Salmonellae in house shrews and rats in Ipoh, Malaysia. Joseph PG, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):326–30

[Relationship between hosts and hemorrhagic fever renal syndrome in Chang-an County, Shan-xi Province] Chai ZL. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Jun; 6(3):136–8 (Eng. Abstr.) **(Chi)**

[Differences in the susceptibility of field mice from the Altai Territory and Moscow Province to Leptospira of serovar mozdok and serogroup Pomona] Chernukha IuG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Feb;(2):45–9 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Fleas on roof rats in six areas of Los Angeles County, California: their potential role in the transmission of plague and murine typhus to humans. Schwan TG, et al. **Am J Trop Med Hyg** 1985 Mar;34(2):372–9

Hepatic microsomal alterations during Dipetalonema viteae infection in Mastomys natalensis. Srivastava AK, et al. **Int J Parasitol** 1985 Apr;15(2):171–4

The presence of Angiostrongylus cantonensis in Viti Levu, Fiji. Uchikawa R, et al. **J Helminthol** 1984 Sep;58(3):231–4

Sequential sampling to determine the minimum number of host examinations required to provide a reliable flea (Siphonaptera) index. Schwan TG. **J Med Entomol** 1984 Nov 29;21(6):670–4

[Experimental transmission of Monanema nilotica El Bihari & coll., 1977, a filaria with skin-dwelling microfilaria parasitic in African murids] Bain O, et al. **Ann Parasitol Hum Comp** 1985;60(1):83–9 (Eng. Abstr.) **(Fre)**

[Ectoparasites of rodents of the urban region of Belo Horizonte, MG. I. Interaction between ectoparasites and hosts] Linardi PM, et al. **Mem Inst Oswaldo Cruz** 1984 Apr–Jun;79(2):239–47 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Environmental and endogenous control of reproductive function in the Great Basin pocket mouse Perognathus parvus. Kenagy GJ, et al. **Biol Reprod** 1984 Nov; 31(4):637–45

Effect of photoperiod and all-female grouping on the estrous cycle of the bandicoot rat, Bandicota bengalensis. Sahu A. **Experientia** 1984 Nov 15;40(11):1285–7

MURIDS see **MURIDAE**

MURRAY VALLEY ENCEPHALITIS VIRUS see **FLAVIVIRUSES**

MUS see **MURIDAE**

MUS MUSCULUS see **MICE**

MUSCA DOMESTICA see **HOUSEFLIES**

MUSCARINE

PHARMACODYNAMICS

Muscarine and luteinizing hormone releasing hormone attenuate adrenaline induced hyperpolarization in amphibian sympathetic ganglia. Smith PA, et al. **Br J Pharmacol** 1985 Jan;84(1):221–5

Muscarine stimulates the hydrolysis of inositol-containing phospholipids in the superior cervical ganglion. Horwitz J, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):235–41

Two components of muscarine-sensitive membrane current in rat sympathetic neurones. Brown DA, et al. **J Physiol (Lond)** 1985 Jan;358:335–63

PHYSIOLOGY

Ozone-induced changes in muscarinic bronchial reactivity by different testing methods. Roum JH, et al. **J Appl Physiol** 1984 Dec;57(6):1783–9

MUSCARINIC AGENTS see **PARASYMPATHOMIMETICS**

MUSCARINIC RECEPTORS see **RECEPTORS, MUSCARINIC**

MUSCIMOL see under **OXAZOLES**

MUSCLE CONTRACTION

A new method for measuring motor block in the lower extremities. Axelsson K, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):72–8

Fade in voluntary muscle contractions of patients with sequelae after poliomyelitis. Secher NH. **Acta Anaesthesiol Scand** 1984 Aug;28(4):469–72

Electrical activity and arm muscle force in postoperative fatigue. Christensen T, et al. **Acta Chir Scand** 1985; 151(1):1–5

Does fever or myalgia indicate reduced physical performance capacity in viral infections? Friman G, et al. **Acta Med Scand** 1985;217(4):353–61

Epidural monitoring of the intracranial pressure in severe head injury characterized by non-localizing motor response. Nordby HK, et al. **Acta Neurochir (Wien)** 1985; 74(1–2):21–6

Evaluation of instruments for measuring grip strength. Solgaard S, et al. **Acta Orthop Scand** 1984 Oct;55(5):569–72

Long-latency stretch reflex induced by tendon jerk in human triceps brachii muscle. Tarkka IM. **Acta Physiol Pol** 1984 Mar–Apr;35(2):151–7

Changes in neuromuscular performance and muscle fiber characteristics of elite power athletes self-administering androgenic and anabolic steroids. Alén M, et al. **Acta Physiol Scand** 1984 Dec;122(4):535–44

The effect of adrenaline infusion on the regulation of glycogenolysis in human muscle during isometric contraction. Chasiotis D, et al. **Acta Physiol Scand** 1985 Jan;123(1):55–60

Effects of hyperoxia and hypoxia on dynamic and sustained static performance of the human quadriceps muscle. Eiken O, et al. **Acta Physiol Scand** 1984 Dec;122(4):629–33

Functional evidence for sprouting or decentralized parasympathetic neurons in rat urinary bladder. Ekström J, et al. **Acta Physiol Scand** 1984 Sep;122(1):7–15

Characteristics of repeated isokinetic plantar flexions in middle-aged and elderly subjects with special regard to muscular work. Fugl-Meyer AR, et al. **Acta Physiol Scand** 1985 Jun;124(2):213–22

Mechanical output and iEMG of isokinetic plantar flexion in 40–64-year-old subjects. Gerdle B, et al. **Acta Physiol Scand** 1985 Jun;124(2):201–11

Characterization of pre- and post-junctional adenosine receptors in guinea-pig ileum. Gustafsson LE, et al. **Acta Physiol Scand** 1985 Feb;123(2):195–203

Skeletal muscle and hormonal adaptation to physical training in the rat: role of the sympatho-adrenal system. Henriksson J, et al. **Acta Physiol Scand** 1985 Feb;123(2):127–38

Torque-velocity relations in the quadriceps muscle of smoking-discordant twins with different fibre type proportions. Larsson L, et al. **Acta Physiol Scand** 1985 Apr; 123(4):515–8

Static contraction of the quadriceps muscle in man: cardiovascular control and responses to one-legged strength training. Lewis S, et al. **Acta Physiol Scand** 1984 Nov;122(3):341–53

Changes in leg movements and muscle activity with speed of locomotion and mode of progression in humans. Nilsson J, et al. **Acta Physiol Scand** 1985 Apr;123(4):457–75

Fatigue of voluntary contractions in normal and myasthenic human subjects. Secher NH, et al. **Acta Physiol Scand** 1984 Nov;122(3):243–8

Electromyographic activity related to aerobic and anaerobic threshold in ergometer bicycling. Viitasalo JT, et al. **Acta Physiol Scand** 1985 Jun;124(2):287–93

Fully rectified, integrated, band (FRIB-) EMG analysis in quantifying muscle activity. Development of a new field equipment. Remes A, et al. **Acta Physiol Scand [Suppl]** 1984; 537:65–70

Balance between O2 availability and VO2 in rest-work transition as measured by myoglobin saturation in subcellular volumes. Honig CR, et al. **Adv Exp Med Biol** 1984;180:651–61

Evaluation of the interrelations between muscular and cardiovascular responses using autoregressive models. Rehfeldt H, et al. **Agressologie** 1985 Jun;26(7):601–4

Inhibition of demand pacemakers by myopotentials. Gialafos J, et al. **Am Heart J** 1985 May;109(5 Pt 1):984–91

Cardiovascular control during exercise: central and reflex neural mechanisms. Mitchell JH. **Am J Cardiol** 1985 Apr 26;55(10):34D–41D

Left ventricular responses to upright isometric handgrip and deadlift in men with coronary artery disease. Sagiv M, et al. **Am J Cardiol** 1985 May 1;55(11):1298–302

Effects of training on systolic time intervals at rest and during isometric exercise in men and women 61 to 64 years old. Seals DR, et al. **Am J Cardiol** 1985 Mar 1;55(6):797–800

Transition from nutcracker esophagus to diffuse esophageal spasm. Narducci F, et al. **Am J Gastroenterol** 1985 Apr; 80(4):242–4

Calcium and cardiovascular function. Intracellular calcium levels during contraction and relaxation of mammalian cardiac and vascular smooth muscle as detected with aequorin. Morgan JP, et al. **Am J Med** 1984 Nov 5; 77(5A):33–46

Application of an ATNR rating scale to normal preschool children. Zemke R. **Am J Occup Ther** 1985 Mar; 39(3):178–80

Vagotonic effect of inversion therapy upon resting neuromuscular tension. deVries HA, et al. **Am J Phys Med** 1985 Jun;64(3):119–29

Electromyographic patterns accompanying isokinetic exercise under varying speed and sequencing conditions. Osternig LR, et al. **Am J Phys Med** 1984 Dec;63(6):289–97

Relationships between strength of low back muscle contraction and reported intensity of chronic low back pain. Sherman RA. **Am J Phys Med** 1985 Aug; 64(4):190–200

Arterial blood pressure control during hindlimb and forelimb contraction in the dog. Beaty O 3d. **Am J Physiol** 1985 May;248(5 Pt 2):H678–87

Carotid sinus and blood pressure control during hindlimb and forelimb contractions. Beaty O 3d. **Am J Physiol** 1985 May;248(5 Pt 2):H688–94

Cellular Ca2+ monitored by aequorin in adenosine-mediated smooth muscle relaxation. Bradley AB, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H109–17

Separation of aerobic glycolysis from oxidative metabolism and contractility in rat anococcygeus muscle. Davidheiser S, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C335–41

Influence of acidosis on AMP deaminase activity in contracting fast-twitch muscle. Dudley GA, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C43–50

Regional differences in alpha 1-adrenoceptor numbers and responses in canine aorta. Griendling KK, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H928–35

'On' and 'off' responses of guinea pig ureter. Hong KW, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C165–9

Adenine nucleotides, serotonin, and endothelium-dependent relaxations to platelets. Houston DS, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H389–95

Oxygen dependence of energy metabolism in contracting and recovering rat skeletal muscle. Idström JP, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H40–8

Myosin phosphorylation, force, and maximal shortening velocity in neurally stimulated tracheal smooth muscle. Kamm KE, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C238–47

Chemical changes in rat leg muscle by phosphorus nuclear magnetic resonance. Kushmerick MJ, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C542–9

Postnatal development of myogenic contractile activity and excitatory innervation of rat urinary bladder. Maggi CA, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R972–8

Endothelium-dependent contractions to arachidonic acid are mediated by products of cyclooxygenase. Miller VM, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):H432–7

Dissociation of effects of insulin and contraction on glucose transport in rat epitrochlearis muscle. Nesher R, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C226–32

Increased muscle glucose uptake during contractions: no need for insulin. Ploug T, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E726–31

Tone of canine ileocolonic junction: topography and response to phasic contractions. Quigley EM, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):G350–7

Myofibrillar end of the creatine phosphate energy shuttle. Savabi F, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C424–32

Temperature-dependent physiological stability of rat skeletal muscle in vitro. Segal SS, et al. **Am J Physiol** 1985 Mar; 248(3 Pt 1):C265–70

Subcontracture depolarizations increase sarcoplasmic ionized calcium in frog skeletal muscle. Snowdowne KW. **Am J Physiol** 1985 May;248(5 Pt 1):C520–6

Effects of acidosis on rat muscle metabolism and performance during heavy exercise. Spriet LL, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C337–47

Swallowing induces sequential activation of esophageal longitudinal smooth muscle. Sugarbaker DJ, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):G515–9

Activation of glucose transport in diabetic muscle: responses to contraction and insulin. Wallberg-Henriksson H, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C233–7

Myosin phosphorylation and contraction of feline esophageal smooth muscle. Weisbrodt NW, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C9–14

Modulation of gallbladder motility by intrinsic cholinergic neurons. Yau WM, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):G662–6

Contractile properties of slow and fast muscle following tourniquet ischemia. Gardner VO, et al. **Am J Sports Med** 1984 Nov–Dec;12(6):417–23

Shoulder strength following acromioclavicular injury. Walsh WM, et al. **Am J Sports Med** 1985 May–Jun;13(3):153–8

Workshop on airway smooth muscle. Summary of a conference held September 25–27 1983. **Am Rev Respir Dis** 1985 Jan;131(1):159–62

Smooth muscle contraction and release of histamine and slow-reacting substance of anaphylaxis in pulmonary tissues isolated from guinea pigs passively sensitized with IgG1 or IgE antibodies. Undem BJ, et al. **Am Rev Respir Dis** 1985 Feb;131(2):260–6

Rectal burn after the use of an anal stainless steel electrode/transducer system for monitoring myoneural junction [letter] Brock-Utne JG, et al. **Anesth Analg** 1984 Dec;63(12):1141–2

Adductor pollicis monitor [letter] Stanec A, et al. **Anesth Analg** 1984 Dec;63(12):1139

Bite force and masseter muscle electromyographic activity during onset of an isometric clench in man. Devlin H, et al. **Arch Oral Biol** 1985;30(3):213–5

Mechanical properties of glycerinated guinea-pig temporal and masseter muscles. Saeki Y, et al. **Arch Oral Biol** 1984; 29(9):663–8

Isokinetic testing of shoulder strength: normal values. Ivey FM Jr, et al. **Arch Phys Med Rehabil** 1985 Jun;66(6):384–6

Strength training effect in young and aged women. Kauffman

TL. **Arch Phys Med Rehabil** 1985 Apr;66(4):223–6

Duration of stretching effect on range of motion in lower extremities. Möller M, et al. **Arch Phys Med Rehabil** 1985 Mar;66(3):171–3

Isometric torque of the quadriceps femoris after concentric, eccentric and isometric training. Pavone E, et al. **Arch Phys Med Rehabil** 1985 Mar;66(3):168–70

Voluntary vaginal musculature contractions as an enhancer of sexual arousal. Messé MR, et al. **Arch Sex Behav** 1985 Feb;14(1):13–28

Relaxation training for chronic pain patients using EMG feedback: an analysis of process and outcome effects. Spence ND. **Aust NZ J Psychiatry** 1984 Sep;18(3):263–72

Isometric abdominal muscle training and G tolerance. Balldin UI, et al. **Aviat Space Environ Med** 1985 Feb;56(2):120–4

Discharge characteristics of motor units and the surface EMG during fatiguing isometric contractions at submaximal tensions. Petrofsky JS, et al. **Aviat Space Environ Med** 1985 Jun;56(6):581–6

Cardiovascular responses to isometric neck muscle contractions: results after dynamic exercise with various headgear loading configurations. Phillips CA, et al. **Aviat Space Environ Med** 1984 Aug;55(8):740–5

Incorporation of 15N–leucine amine into ATP of fast–twitch muscle following stimulation. Gorski J, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1254–60

Fructose 2,6–bisphosphate in rat skeletal muscle during contraction. Minatogawa Y, et al. **Biochem J** 1984 Oct 1; 223(1):73–9

Mechanisms of endothelium–dependent vascular smooth muscle relaxation. Peach MJ, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1867–74

The role of the Na+, K+–ATPase in the regulation of vascular smooth–muscle contractility, and its relationship to essential hypertension. Aronson JK. **Biochem Soc Trans** 1984 Dec;12(6):943–5

Differences in the association of calmodulin with cyclic nucleotide phosphodiesterase in relaxed and contracted arterial strips. Saitoh Y, et al. **Biochemistry** 1985 Mar 26; 24(7):1613–8

Relaxation of vertebrate skeletal muscle. A synthesis of the biochemical and physiological approaches. Gillis JM. **Biochim Biophys Acta** 1985 Jun 3;811(2):97–145 (284 ref.)

Fluorescence energy transfers between points in acto–subfragment–1 rigor complex. Miki M, et al. **Biochim Biophys Acta** 1984 Nov 9;790(3):275–83

Regulation of creatine kinase during steady–state isometric twitch contraction in rat skeletal muscle. Shoubridge EA, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):72–8

Muscle discrimination ability at three muscle sites in three headache groups. Appelbaum KA, et al. **Biofeedback Self Regul** 1984 Dec;9(4):421–30

Comments on the reliability of muscle activity comparisons in EMG biofeedback research with back pain patients. Biedermann HJ. **Biofeedback Self Regul** 1984 Dec; 9(4):451–8

Flexibility development in sprinters using EMG biofeedback and relaxation training. Cummings MS, et al. **Biofeedback Self Regul** 1984 Sep;9(3):395–405

In vivo EMG biofeedback in violin and viola pedagogy. LeVine WR, et al. **Biofeedback Self Regul** 1984 Jun; 9(2):161–8

Biofeedback, relaxation training, and music: homeostasis for coping with stress. Reynolds SB. **Biofeedback Self Regul** 1984 Jun;9(2):169–79

ATP release from pig muscles during exercise measured by the firefly luminescence technique. Wulf HC, et al. **Biomed Biochim Acta** 1984;43(10):1173–7

An improved optoelectronic transducer for quantitation of contractile events in the mammalian fallopian tube. Bourdage RJ, et al. **Biomed Sci Instrum** 1985;21:41–9

Donnan potentials from the A– and I–bands of glycerinated and chemically skinned muscles, relaxed and in rigor. Bartels EM, et al. **Biophys J** 1985 Jul;48(1):61–76

X–ray diffraction evidence for cross–bridge formation in relaxed muscle fibers at various ionic strengths. Brenner B, et al. **Biophys J** 1984 Sep;46(3):299–306

On the mechanism of muscular contraction. Førland T. **Biophys J** 1985 May;47(5):665–71

Constitutive equations of skeletal muscle based on cross–bridge mechanism. Tözeren A. **Biophys J** 1985 Feb; 47(2 Pt 1):225–36

Continuum rheology of muscle contraction and its application to cardiac contractility. Tözeren A. **Biophys J** 1985 Mar;47(3):303–9

Time–resolved x–ray diffraction studies on the intensity changes of the 5.9 and 5.1 nm actin layer lines from frog skeletal muscle during an isometric tetanus using synchrotron radiation. Wakabayashi K, et al. **Biophys J** 1985 Jun;47(6):847–50

Depolarization spectrum of diffracted light from muscle fiber. The intrinsic anisotropy component. Yeh Y, et al. **Biophys J** 1985 May;47(5):739–42

Distribution of mass in relaxed frog skeletal muscle and its redistribution upon activation. Yu LC, et al. **Biophys J** 1985 Mar;47(3):311–21

A macroscopic description of stress relaxation in a muscle subject to stepwise deformation. Timanin EM. **Biorheology** 1984;21(6):799–808

Sympatho–adrenal and cardiovascular reactivity in pregnancy–induced hypertension. I. Responses to isometric exercise and a cold pressor test. Nisell H, et al. **Br J Obstet Gynaecol** 1985 Jul;92(7):722–31

The properties of the clonidine withdrawal response of guinea–pig isolated ileum. Chahl LA. **Br J Pharmacol** 1985 Jun;85(2):457–62

A pharmacological study of oesophageal muscularis mucosae from the cat, dog and American opossum (Didelphis virginiana). Addendum. Christensen J, et al. **Br J Pharmacol** 1985 Jun;85(2):565

Grip strength and forearm straps in tennis elbow. Burton AK. **Br J Sports Med** 1985 Mar;19(1):37–8

Muscle strength and cross–sectional area in man: a comparison of strength–trained and untrained subjects. Maughan RJ, et al. **Br J Sports Med** 1984 Sep;18(3):149–57

Diurnal variation in nerve conduction, hand volume, and grip strength in the carpal tunnel syndrome. Wilson–MacDonald J, et al. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1042

Tongue movements—brainstem mechanisms and clinical postulates. Lowe AA. **Brain Behav Evol** 1984; 25(2–3):128–37

Some effects of sympathetic stimulation and isoprenaline on fatigued tetanic contractions of skeletal muscle in the cat. Jami L, et al. **Brain Res** 1984 Nov 12;321(2):386–9

Effects of naloxone on the cardiovascular responses to muscular contraction in decerebrate cats. Waldrop TG, et al. **Brain Res** 1984 Nov 19;322(1):152–6

Effect of temperature and Zn2+ on isometric contractile properties and electrical phenomena of frog (Rana) and Xenopus skeletal muscle fibers. Oba T, et al. **Can J Physiol Pharmacol** 1984 Dec;62(12):1511–7

Mechanics of caudal artery relaxation in control and hypertensive rats. Packer CS, et al. **Can J Physiol Pharmacol** 1985 Mar;63(3):209–13

Force–velocity constants in smooth muscle: afterloaded isotonic and quick–release methods. Stephens NL. **Can J Physiol Pharmacol** 1985 Jan;63(1):48–51

Effects of static and rhythmic twitch contractions on the discharge of group III and IV muscle afferents. Kaufman MP, et al. **Cardiovasc Res** 1984 Nov;18(11):663–8

Modeling the isovolumic relaxation period. Bernardi L, et al. **Cathet Cardiovasc Diagn** 1985;11(3):255–68

Localization and function of M–line–bound creatine kinase. M–band model and creatine phosphate shuttle. Wallimann T, et al. **Cell Muscle Motil** 1985;6:239–85 (185 ref.)

Morphometry of muscle fibre types in the carp (Cyprinus carpio L.). Relationships between structural and contractile characteristics. Akster HA. **Cell Tissue Res** 1985; 241(1):193–201

Immunofluorescence staining of thin–filament sections not participating in actomyosin crossbridges: studies by use of a monoclonal antibody specific to actin. Kaehn K, et al. **Cell Tissue Res** 1985;239(2):417–22

Respiratory muscle training [letter] Sonne LJ. **Chest** 1984 Dec;86(6):939–40

Microneurographic studies of the mechanisms of sympathetic nerve responses to static exercise in humans. Mark AL, et al. **Circ Res** 1985 Sep;57(3):461–9

Two distinct effects of oxygen on vascular tone in isolated porcine coronary arteries. Rubanyi G, et al. **Circ Res** 1985 Jan;56(1):1–10

Decreased contractility of the ductus arteriosus in experimental pulmonic stenosis. Mahony L, et al. **Circulation** 1984 Oct;70(4):695–9

Cardiovascular response to static contraction in borderline hypertension. Seals DR, et al. **Clin Cardiol** 1985 Jun; 8(6):348–52

Myosin light chain phosphorylation and tension development in stretch–activated arterial smooth muscle. Ledvora RF, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):2063–8

Skeletal muscle function in man: force, relaxation rate, endurance and contraction time–dependence on sex and age. Lennmarken C, et al. **Clin Physiol** 1985 Jun;5(3):243–55

Respiratory and circulatory adaptation to isometric and dynamic exercise in chronic lung disease. Schrijen F, et al. **Clin Physiol** 1984 Oct;4(5):371–8

The size and strength of the quadriceps muscles of old and young men. Young A, et al. **Clin Physiol** 1985 Apr; 5(2):145–54

The sarcoplasmic reticulum: a comparative study. Franciolini F. **Comp Biochem Physiol [A]** 1985;80(3):265–70

The role of proctolin and glutamate in the excitation–contraction coupling of insect visceral muscle. Cook BJ, et al. **Comp Biochem Physiol [C]** 1985;80(1):65–73

Thin filament proteins and thin filament–linked regulation of vertebrate muscle contraction. Leavis PC, et al. **CRC Crit Rev Biochem** 1984;16(3):235–305 (444 ref.)

Myoelectrical manifestations of localized muscular fatigue in humans. De Luca CJ. **Crit Rev Biomed Eng** 1984; 11(4):251–79 (146 ref.)

Laser–induced photogeneration of ATP: a new approach to the study of chemical kinetics of muscle contraction. Hibberd MG, et al. **Curr Top Cell Regul** 1984;24:357–64

Evidence for the involvement of muscle tropomyosin in the contractile elements of the coelom–esophagus complex in sea urchin embryos. Ishimoda–Takagi T, et al. **Dev Biol** 1984 Oct;105(2):365–76

Development of an improved multi–pressure–sensor probe for recording muscle contraction in human intestine. Mathias JR, et al. **Dig Dis Sci** 1985 Feb;30(2):119–23

Locomotor limb synergism through short latency afferent links. Brooke JD, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jan;60(1):39–45

Automatic analysis of surface EMG (preliminary findings in healthy subjects and in patients with neurogenic motor diseases). Cioni R, et al. **Electroencephalogr Clin Neurophysiol** 1985 Oct;61(4):243–6

Pattern of electrical activity and force in normal and pathological muscle: S–index of turns and amplitude. Fuglsang–Frederiksen A, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jan;60(1):30–2

Anticipatory response–relevant muscle activity, CNV amplitude and simple reaction time. Haagh SA, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):30–9

Power spectral analysis of the surface electromyogram before and after a warning signal in a reaction movement. Tanii K, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jun; 60(6):532–8

Alterations in H reflex magnitude by variations in baseline EMG excitability. Verrier MC. **Electroencephalogr Clin Neurophysiol** 1985 Jun;60(6):492–9

The different intracellular action potentials of fast and slow muscle fibres. Wallinga–De Jonge W, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jun; 60(6):539–47

Quantitative assessment of co–contraction at the ankle joint in walking. Falconer K, et al. **Electromyogr Clin Neurophysiol** 1985 Mar–Apr; 25(2–3):135–49

Simultaneous EMG of biceps femuralis, semimembranous and semitendinous muscles in the flexion movement, in ergometric bicycle. Jose JL, et al. **Electromyogr Clin Neurophysiol** 1984 Nov–Dec;24(7):561–9

Single switch contraction curves in patterns with spastic hemiparesis in relation to EMG findings. Visser SL, et al. **Electromyogr Clin Neurophysiol** 1985 Jan–Feb;25(1):63–71

Diaphragmatic contraction following phrenic nerve stimulation evaluated by cine–fluoroscopy. Wolf E, et al. **Electromyogr Clin Neurophysiol** 1984 Aug–Sep; 24(6):491–500

Effect of laterality on the contractile properties of human leg and hand muscles. Davies CT, et al. **Ergonomics** 1984 Oct;27(10):1083–9

Load on knee joint and knee muscular activity during machine milking. Ekholm J, et al. **Ergonomics** 1985 Apr; 28(4):665–82

Muscle fatigue associated with repetitive arm lifts: effects of height, weight and reach. Habes D, et al. **Ergonomics** 1985 Feb;28(2):471–88

Contractility of muscle during prolonged static and repetitive dynamic activity. Monod H. **Ergonomics** 1985 Jan; 28(1):81–9

Force capability differences due to gloves. Riley MW, et al. **Ergonomics** 1985 Feb;28(2):441–7

Ankle joint load and leg muscle activity in various working postures during machine milking. Svensson O, et al. **Ergonomics** 1985 Apr;28(4):683–98

Muscle relaxation with an infusion of vecuronium. Mirakhur RK, et al. **Eur J Anaesthesiol** 1984 Dec;1(4):353–9

The force–velocity relationship of arm flexion in untrained males and females and arm–trained athletes. de Koning FL, et al. **Eur J Appl Physiol** 1985;54(1):89–94

Effects of load placement on back muscle activity in load carriage. Bobet J, et al. **Eur J Applied Physiol** 1984; 53(1):71–5

The influence of extra load on the mechanical behavior of skeletal muscle. Bosco C, et al. **Eur J Applied Physiol** 1984; 53(2):149–54

Serum creatine kinase activity following forearm flexion isometric exercise. Clarkson PM, et al. **Eur J Applied Physiol** 1985;53(4):368–71

The pressor response to voluntary and electrically evoked isometric contractions in man. Davies CT, et al. **Eur J Applied Physiol** 1985;53(4):359–63

Changes in venous blood content from active and inactive hindlimb during isotonic exercise. Gaebelein CJ, et al. **Eur J Applied Physiol** 1985;53(4):372–5

A study of fatigue during repetitive static work performed in two different segmental positions. Kahn JF, et al. **Eur J Applied Physiol** 1984;53(2):169–74

Dependence of conduction velocity on spike interval during voluntary muscular contraction in human motor units. Morimoto S, et al. **Eur J Applied Physiol** 1984;53(3):191–5

The interrelationship between blood pressure, intramuscular pressure, and isometric endurance in fast and slow twitch skeletal muscle in the cat. Petrofsky JS, et al. **Eur J Applied Physiol** 1984;53(2):106–11

Variations in serum myoglobin after a 2–min isokinetic exercise test and the effects of training. Roxin LE, et al. **Eur J Applied Physiol** 1984;53(1):43–7

Isokinetic strength in weight–trainers. Sale DG, et al. **Eur J Applied Physiol** 1984;53(2):128–32

Reduction of isometric muscle endurance after wearing impermeable gas protective clothing. Smolander J, et al. **Eur J Applied Physiol** 1984;53(1):76–80

A comparison of the mechanical properties of the first dorsal interosseous in the dominant and non–dominant hand. Tanaka M, et al. **Eur J Applied Physiol** 1984;53(1):17–20

A method for electromyographic analysis of muscular contraction frequencies. Winkel J, et al. **Eur J Applied Physiol** 1984;53(2):112–7

Effect of diet on human muscle weakness following prolonged exercise. Young K, et al. **Eur J Applied Physiol** 1984;53(1):81–5

The endothelium–dependent vasodilator effect of acetylcholine: characterization of the endothelial relaxing factor with inhibitors of arachidonic acid metabolism. Förstermann U, et al. **Eur J Pharmacol** 1984 Aug 3; 103(1-2):65-70

The mechanical properties of human muscle. Chapman AE. **Exerc Sport Sci Rev** 1985;13:443-501 (189 ref.)

Energetic aspects of skeletal muscle contraction: implications of fiber types. Rall JA. **Exerc Sport Sci Rev** 1985;13:33-74 (130 ref.)

Cerebral potentials and electromyographic responses evoked by stretch of wrist muscles in man. Abbruzzese G, et al. **Exp Brain Res** 1985;58(3):544-51

Isometric torque-angle relationship and movement-related activity of human elbow flexors: implications for the equilibrium-point hypothesis. Hasan Z, et al. **Exp Brain Res** 1985;59(3):441-50

Excitability of reciprocal and recurrent inhibitory pathways after voluntary muscle relaxation in man. Schieppati M, et al. **Exp Brain Res** 1985;59(2):249-56

From activity to rest: gating of excitatory autogenetic afferences from the relaxing muscle in man. Schieppati M, et al. **Exp Brain Res** 1984;56(3):448-57

Effect of muscle tendon vibration on the perception of force. Jones LA, et al. **Exp Neurol** 1985 Jan;87(1):35-45

Electromechanical changes during electrically induced and maximal voluntary contractions: surface and intramuscular EMG responses during sustained maximal voluntary contraction. Moritani T, et al. **Exp Neurol** 1985 Jun; 88(3):484-99

Electromechanical changes during electrically induced and maximal voluntary contractions: electrophysiologic responses of different muscle fiber types during stimulated contractions. Moritani T, et al. **Exp Neurol** 1985 Jun; 88(3):471-83

Potassium and caffeine contractures in limb muscles of normal and dystrophic (C57 BL/6J dy2J/dy2J) mice. Noireaud J, et al. **Exp Neurol** 1985 Mar;87(3):495-502

The role of myosin phosphorylation in the contraction-relaxation cycle of smooth muscle. Ikebe M, et al. **Experientia** 1985 Aug 15;41(8):1006-10

Calcium-induced calcium release mechanism in vascular smooth muscles--assessments based on contractions evoked in intact and saponin-treated skinned muscles. Itoh T, et al. **Experientia** 1985 Aug 15;41(8):989-96 (66 ref.)

Current problems in smooth muscle mechanics. Johansson B. **Experientia** 1985 Aug 15;41(8):1017-20

Velocity and myosin phosphorylation transients in arterial smooth muscle: effects of agonist diffusion. Kamm KE, et al. **Experientia** 1985 Aug 15;41(8):1010-7

Energy metabolism and transduction in smooth muscle. Lynch RM, et al. **Experientia** 1985 Aug 15;41(8):970-7 (48 ref.)

Mechanical and biochemical characterization of the contraction elicited by a calcium-independent myosin light chain kinase in chemically skinned smooth muscle. Mrwa U, et al. **Experientia** 1985 Aug 15;41(8):1002-6

Modulation of calcium sensitivity in guinea pig taenia coli: skinned fiber studies. Rüegg JC, et al. **Experientia** 1985 Aug 15;41(8):997-1001 (50 ref.)

Energetics and regulation of crossbridge states in mammalian smooth muscle. Siegman MJ, et al. **Experientia** 1985 Aug 15;41(8):1020-5

Role of myosin light chain kinase in muscle contraction. Perry SV, et al. **Fed Proc** 1984 Dec;43(15):3015-20

Ejection fraction and regional wall motion at rest and during stress in the diagnosis of coronary artery disease. Radice M, et al. **G Ital Cardiol** 1984 Aug;14(8):621-3

Effect of heating on the contractile properties of triceps surae and maximal power output during jumping in elderly men. Davies CT, et al. **Gerontology** 1985;31(1):1-5

The effect of age on the cardiovascular responses to isometric exercise: a test of autonomic function. Goldstraw PW, et al. **Gerontology** 1985;31(1):54-8

An approach to the nature of tension headache. Chun WX. **Headache** 1985 Jun;25(4):188-9

Migraine and muscle contraction headaches: a continuum. Featherstone HJ. **Headache** 1985 Jun;25(4):194-8

Tension headaches: muscle overactivity or psychogenic pain. Haber JD, et al. **Headache** 1985 Jan;25(1):23-9

Some benefits of high frontalis tension in tension headache sufferers. Moran CC, et al. **Headache** 1984 Nov;24(6):331-8

Effect of physical training under isometric conditions on cardiovascular responses. Gandel'sman AB, et al. **Hum Physiol** 1983 Nov-Dec;9(6):395-8

Biochemical basis of muscular fatigue associated with repetitious contractions of skeletal muscle. Belcastro AN, et al. **Int J Biochem** 1985;17(4):447-53 (53 ref.)

The circulatory response to lifting and carrying and its modification by beta-adrenoceptor blockade. Silke B, et al. **Int J Cardiol** 1984 Oct;6(4):527-36

Time-related effects of chronic atenolol treatment on cardiovascular responses to handgrip. Fogari R, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Feb;23(2):83-8

Psychophysiology of relaxation-associated panic attacks. Cohen AS, et al. **J Abnorm Psychol** 1985 Feb;94(1):96-101

Stress fracture of the fibula: secondary to pronation? Miller HG. **J Am Podiatr Med Assoc** 1985 Apr;75(4):211-2

Neural control of relaxation in cat airways smooth muscle. Altiere RJ, et al. **J Appl Physiol** 1984 Nov;57(5):1536-44

Effects of hypocalcemia on diaphragmatic strength generation. Aubier M, et al. **J Appl Physiol** 1985 Jun; 58(6):2054-61

Myoelectric signal conduction velocity and spectral parameters: influence of force and time. Broman H, et al. **J Appl Physiol** 1985 May;58(5):1428-37

Effects of contraction frequency and duty cycle on diaphragmatic blood flow. Buchler B, et al. **J Appl Physiol** 1985 Jan;58(1):265-73

Sympathoadrenal system and activation of glycogenolysis during muscular activity. Cartier LJ, et al. **J Appl Physiol** 1985 Apr;58(4):1122-7

Mechanical output following muscle stretch in forearm supination against inertial loads. Chapman AE, et al. **J Appl Physiol** 1985 Jul;59(1):78-86

Electrical and mechanical failures during sustained and intermittent contractions in humans. Duchateau J, et al. **J Appl Physiol** 1985 Mar;58(3):942-7

Influence of exercise training on reactivity and contractility of arterial strips from hypertensive rats. Edwards JG, et al. **J Appl Physiol** 1985 May;58(5):1683-8

Fatigue and contraction of slow and fast muscles in hypokinetic/hypodynamic rats. Fell RD, et al. **J Appl Physiol** 1985 Jan;58(1):65-9

Responses of in vitro rat diaphragm to changes in acid-base environment. Fitzgerald RS, et al. **J Appl Physiol** 1984 Oct; 57(4):1202-10

Respiratory epithelium inhibits bronchial smooth muscle tone. Flavahan NA, et al. **J Appl Physiol** 1985 Mar; 58(3):834-8

Peripheral factors influencing expression of pressor reflex evoked by muscular contraction. Iwamoto GA, et al. **J Appl Physiol** 1985 May;58(5):1676-82

Inspiratory muscle forces and endurance in maximum resistive loading. Jones GL, et al. **J Appl Physiol** 1985 May; 58(5):1608-15

Effect of ischemia on responses of group III and IV afferents to contraction. Kaufman MP, et al. **J Appl Physiol** 1984 Sep;57(3):644-50

Effect of muscle length on electromyogram in a canine diaphragm strip preparation. Kim MJ, et al. **J Appl Physiol** 1985 May;58(5):1602-7

Effects of muscle contraction on pulsatile pressure-flow relations in femoral bed. Lambert CR, et al. **J Appl Physiol** 1985 Apr;58(4):1128-35

Assessment of transdiaphragmatic pressure in humans. Laporta D, et al. **J Appl Physiol** 1985 May;58(5):1469-76

Role of muscle mass and mode of contraction in circulatory responses to exercise. Lewis SF, et al. **J Appl Physiol** 1985 Jan;58(1):146-51

Torque-velocity relationship in isokinetic cycling exercise. McCartney N, et al. **J Appl Physiol** 1985 May;58(5):1459-62

Injury to skeletal muscle fibers of mice following lengthening contractions. McCully KK, et al. **J Appl Physiol** 1985 Jul; 59(1):119-26

Phrenic nerve conduction times and twitch pressures of the human diaphragm. McKenzie DK, et al. **J Appl Physiol** 1985 May;58(5):1496-504

Action of abdominal muscles on rib cage in humans. Mier A, et al. **J Appl Physiol** 1985 May;58(5):1438-43

Blood flow distribution in dog gastrocnemius muscle at rest and during stimulation. Piiper J, et al. **J Appl Physiol** 1985 Jun;58(6):2068-74

Predictability of skeletal muscle tension from architectural determinations in guinea pig hindlimbs. Powell PL, et al. **J Appl Physiol** 1984 Dec;57(6):1715-21

Arterial CO2 partial pressure affects diaphragmatic function. Schnader JY, et al. **J Appl Physiol** 1985 Mar;58(3):823-9

Mechanisms of substance P-induced contraction of rabbit airway smooth muscle. Tanaka DT, et al. **J Appl Physiol** 1984 Nov;57(5):1551-7

Contractile activity increases glucose uptake by muscle in severely diabetic rats. Wallberg-Henriksson H, et al. **J Appl Physiol** 1984 Oct;57(4):1045-9

The assessment of subjective tension levels among several muscle groups: the tension mannequin. Webster JS, et al. **J Behav Ther Exp Psychiatry** 1984 Dec;15(4):323-8

Deconditioning and ad hoc uses of relaxation: an overview. Wolpe J. **J Behav Ther Exp Psychiatry** 1984 Dec; 15(4):299-304

Paratropomyosin: a new myofibrillar protein that modifies the actin-myosin interaction in postrigor skeletal muscle. II. Distinct function from tropomyosin. Nakamura F, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1053-9

Paratropomyosin: a new myofibrillar protein that modifies the actin-myosin interaction in postrigor skeletal muscle. I. Preparation and characterization. Takahashi K, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1043-51

Stretch-induced myosin light chain phosphorylation and stretch-release-induced tension development in arterial smooth muscle. Bárány K, et al. **J Biol Chem** 1985 Jun 10;260(11):7126-30

The effect of myosin phosphorylation on the contractile properties of skinned rabbit skeletal muscle fibers. Persechini A, et al. **J Biol Chem** 1985 Jul 5;260(13):7951-4

Shortening velocity in single fibers from adult rabbit soleus muscles is correlated with myosin heavy chain composition. Reiser PJ, et al. **J Biol Chem** 1985 Aug 5;260(16):9077-80

Electron probe X-ray microanalysis of post-tetanic Ca2+ and Mg2+ movements across the sarcoplasmic reticulum in situ. Somlyo AV, et al. **J Biol Chem** 1985 Jun 10; 260(11):6801-7

Detection of stimulated back muscle contractions by moiré topography. Andonian AT. **J Biomech** 1984;17(9):653-61

Muscular synergism--II. A minimum-fatigue criterion for load sharing between synergistic muscles. Dul J, et al. **J Biomech** 1984;17(9):675-84

The influence of velocity of length change on tension development in skeletal muscle: model calculations and experimental results. van Kaam FA, et al. **J Biomech** 1984; 17(7):501-11

Dependence of jumping performance on muscle properties when humans use only calf muscles for propulsion. Zajac FE, et al. **J Biomech** 1984;17(7):513-23

Active contractions of ureteral segments. Zupkas PF, et al. **J Biomech Eng** 1985 Feb;107(1):62-7

Na+-K+ ATPase, Na-Ca exchange, and excitation-contraction coupling in smooth muscle. Casteels R, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 3:S103-10 (76 ref.)

Structural changes that occur in scallop myosin filaments upon activation. Vibert P, et al. **J Cell Biol** 1985 Sep; 101(3):830-7

Mechanics of intercostal space and actions of external and internal intercostal muscles. De Troyer A, et al. **J Clin Invest** 1985 Mar;75(3):850-7

The diaphragm: contractile properties and fatigue. Rochester DF. **J Clin Invest** 1985 May;75(5):1397-402 (72 ref.)

Effect of pubococcygeal exercise on female sexuality: comment on Chambless et al. Jayne CE. **J Consult Clin Psychol** 1985 Apr;53(2):269-72

The maximum forces exerted by animals. Alexander RM. **J Exp Biol** 1985 Mar;115:231-8

Temperature and muscle. Bennett AF. **J Exp Biol** 1985 Mar; 115:333-44

Storage and release of mechanical energy by active muscle: a non-elastic mechanism? Cavagna GA, et al. **J Exp Biol** 1985 Mar;115:79-87

Control properties of motor units. De Luca CJ. **J Exp Biol** 1985 Mar;115:125-36

Malleability of the motor system: a comparative approach. Goldspink G. **J Exp Biol** 1985 Mar;115:375-91

Differences in metabolic potential of skeletal muscle fibres and their significance for metabolic control. Gollnick PD, et al. **J Exp Biol** 1985 Mar;115:191-9

Efficiency of vertebrate locomotory muscles. Heglund NC, et al. **J Exp Biol** 1985 Mar;115:283-92

The size-principle: a deterministic output emerges from a set of probabilistic connections. Henneman E. **J Exp Biol** 1985 Mar;115:105-12

Fuels and pathways as designed systems for support of muscle work. Hochachka PW. **J Exp Biol** 1985 Mar;115:149-64

Malleability of the motor system: training for maximizing power output. Howald H. **J Exp Biol** 1985 Mar;115:365-73

The crossbridge mechanism of muscular contraction and its implications. Huxley HE. **J Exp Biol** 1985 Mar;115:17-30 (59 ref.)

Sustained force development: specializations and variation among the vertebrates. Johnston IA. **J Exp Biol** 1985 Mar; 115:239-51

Differences in temperature dependence of muscle contractile properties and myofibrillar ATPase activity in a cold-temperature fish. Johnston IA, et al. **J Exp Biol** 1984 Jul;111:179-89

Patterns in mammalian muscle energetics. Kushmerick MJ. **J Exp Biol** 1985 Mar;115:165-77

Motoneurone task groups: coping with kinematic heterogeneity. Loeb GE. **J Exp Biol** 1985 Mar;115:137-46

From sarcomeres to whole muscles. Morgan DL. **J Exp Biol** 1985 Mar;115:69-78

Excitation-contraction coupling: the link between the surface and the interior of a muscle cell. Peachey LD. **J Exp Biol** 1985 Mar;115:91-8

Force development during sustained locomotion: a determinant of gait, speed and metabolic power. Taylor CR. **J Exp Biol** 1985 Mar;115:253-62

Design and performance of muscular systems: an overview. Weibel ER. **J Exp Biol** 1985 Mar;115:405-12

Muscle function: a personal view. Wilkie DR. **J Exp Biol** 1985 Mar;115:1-13

Effect of membrane polarization on contractile threshold and time course of prolonged contractile responses in skeletal muscle fibers. Caputo C, et al. **J Gen Physiol** 1984 Dec; 84(6):927-43

Calcium influx in contracting and paralyzed frog twitch muscle fibers. Curtis BA, et al. **J Gen Physiol** 1985 Mar; 85(3):383-408

Contractile activation in scorpion striated muscle fibers. Dependence on voltage and external calcium. Gilly WF, et al. **J Gen Physiol** 1984 Sep;84(3):321-45

Energy balance studies in frog skeletal muscles shortening at one-half maximal velocity. Homsher E, et al. **J Gen Physiol** 1984 Sep;84(3):347-59

Age-related differences in knee muscle strength in normal women. Murray MP, et al. **J Gerontol** 1985 May; 40(3):275-80

Cardiovascular responses to sustained isometric arm flexion and knee extension at 10, 20, 30, 40 and 50% MVC. Yamaji K, et al. **J Hum Ergol (Tokyo)** 1983 Dec;12(2):173-83

The effect of a new calcium channel blocker nicardipine on 24-hour ambulatory blood pressure and the pressor response to isometric and dynamic exercise. Jones RI, et al. **J Hypertens** 1983 Jun;1(1):85-9

Contractile responses of vasa deferentia from rats with genetic and experimental hypertension. Sakai Y, et al. **J Hypertens** 1984 Dec;2(6):631-8

A four-state cross bridge model for muscle contraction.

READEX

Mathematical study and validation. Comincioli V, et al. **J Math Biol** 1984;20(3):277-304

Predominant attached state of myosin cross-bridges during contraction and relaxation at low ionic strength. Nagano H, et al. **J Mol Biol** 1984 Aug 25;177(4):769-85

Abstracts of the Thirteenth European Conference on Muscle and Motility. Gwatt, 23-28 September 1984. **J Muscle Res Cell Motil** 1985 Feb;6(1):53-128

A possible mechanism of length activation in insect fibrillar flight muscle. Abbott RH, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):387-97

A kinetic model of muscle contraction and its oscillatory characteristics. Cheung AS, et al. **J Muscle Res Cell Motil** 1984 Oct;5(5):483-502 (44 ref.)

Excitation-contraction coupling and contractile properties in denervated rat EDL and soleus muscles. Dulhunty AF. **J Muscle Res Cell Motil** 1985 Apr;6(2):207-25

Crossbridge behaviour during muscle contraction. Huxley HE, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):153-61 (28 ref.)

The maximum velocity of shortening during the early phases of the contraction in frog single muscle fibres. Lombardi V, et al. **J Muscle Res Cell Motil** 1984 Oct;5(5):503-13

The process of muscle relaxation by the combined action of MgAMPPNP and ethylene glycol. Tregear RT, et al. **J Muscle Res Cell Motil** 1984 Dec;5(6):687-96

Angle of active site of myosin heads in contracting muscle during sudden length changes. Yanagida T. **J Muscle Res Cell Motil** 1985 Feb;6(1):43-52

Ultrastructural changes of the sensory nerve terminals in frog muscle spindle during dynamic stretch. Kim N, et al. **J Neurocytol** 1985 Feb;14(1):105-12

Tension development and muscle activation in the leg during gait in spastic hemiparesis: independence of muscle hypertonia and exaggerated stretch reflexes. Berger W, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1029-33

The effects of reflex path length on clonus frequency in spastic muscles. Iansek R. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1122-4

Effects of chronic low frequency electrical stimulation on normal human tibialis anterior muscle. Scott OM, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):774-81

The anatomy and fibre type composition of the human adductor pollicis in relation to its contractile properties. Round JM, et al. **J Neurol Sci** 1984 Nov-Dec; 66(2-3):263-72

Compensation for intrinsic muscle stiffness by short-latency reflexes in human triceps surae muscles. Allum JH, et al. **J Neurophysiol** 1984 Nov;52(5):797-818

Active force and sensory response of single isolated cat muscle spindles in vitro. Fukami Y. **J Neurophysiol** 1984 Dec;52(6):1131-9

Responses of tendon organs to unfused contractions of single motor units. Jami L, et al. **J Neurophysiol** 1985 Jan; 53(1):32-42

Stiffness of cat soleus muscle and tendon during activation of part of muscle. Proske U, et al. **J Neurophysiol** 1984 Sep;52(3):459-68

Effect of intrafusal muscle mechanics on mammalian muscle spindle sensitivity. Poppele RE, et al. **J Neurosci** 1985 Jul; 5(7):1881-5

Trophic effects on the contractile and histochemical properties of rat soleus muscle. Spector SA. **J Neurosci** 1985 Aug;5(8):2189-96

Effects of elimination of activity on contractile and histochemical properties of rat soleus muscle. Spector SA. **J Neurosci** 1985 Aug;5(8):2177-88

Isometric occupational exercise and the incidence of hypertension. Buck C, et al. **J Occup Med** 1985 May; 27(5):370-2

Static ergonomic strength testing in evaluating occupational back pain. Harber P, et al. **J Occup Med** 1984 Dec; 26(12):877-84

A study of factors influencing muscle activity about the knee joint. Andriacchi TP, et al. **J Orthop Res** 1984;1(3):266-75

Long-term measurement of muscle function in the dog hindlimb using a new apparatus. Hargens AR, et al. **J Orthop Res** 1984;1(3):284-91

Relation of intramuscular pressure to the force output and myoelectric signal of skeletal muscle. Körner L, et al. **J Orthop Res** 1984;2(3):289-96

Relationship of isokinetic torque to isometric torque. Otis JC, et al. **J Orthop Res** 1983;1(2):165-71

Use of lumbar trunk muscles in isometric performance of mechanically complex standing tasks. Schultz A, et al. **J Orthop Res** 1983;1(1):77-91

Quantitative studies of the flexion-relaxation phenomenon in the back muscles. Schultz AB, et al. **J Orthop Res** 1985; 3(2):189-97

Effect of diazepam on calcium translocation during physiological muscle fatigue. Bianchi CP, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):197-205

A precision isotonic measuring system for isolated tissues. Mellor PM. **J Pharmacol Methods** 1984 Dec;12(4):259-64

Fusimotor reflexes in triceps surae muscle elicited by extension of the contralateral hind limb in the cat. Appelberg B, et al. **J Physiol (Lond)** 1984 Oct;355:99-117

Total cytoplasmic calcium in relaxed and maximally contracted rabbit portal vein smooth muscle. Bond M, et al. **J Physiol (Lond)** 1984 Dec;357:185-201

Temperature dependence of isometric contractions of cat fast and slow skeletal muscles. Buller AJ, et al. **J Physiol (Lond)** 1984 Oct;355:25-31

Shortening velocity extrapolated to zero load and unloaded shortening velocity of whole rat skeletal muscle. Claflin DR, et al. **J Physiol (Lond)** 1985 Feb;359:357-63

Arsenazo III calcium transients and latency relaxation in frog skeletal muscle fibres at different sarcomere lengths. Close RI, et al. **J Physiol (Lond)** 1984 Oct;355:323-44

Behaviour of motor units of human arm muscles: differences between slow isometric contraction and relaxation. Denier van der Gon JJ, et al. **J Physiol (Lond)** 1985 Feb;359:107-18

Differences in maximum velocity of shortening along single muscle fibres of the frog. Edman KA, et al. **J Physiol (Lond)** 1985 Aug;365:147-63

The sarcomere length dependence of the rate of heat production during isometric tetanic contraction of frog muscles. Elzinga G, et al. **J Physiol (Lond)** 1984 Dec; 357:495-504

Influence of human muscle length on fatigue. Fitch S, et al. **J Physiol (Lond)** 1985 May;362:205-13

Tension transients during steady shortening of frog muscle fibres. Ford LE, et al. **J Physiol (Lond)** 1985 Apr; 361:131-50

Relaxation of rabbit psoas muscle fibres from rigor by photochemical generation of adenosine-5'-triphosphate. Goldman YE, et al. **J Physiol (Lond)** 1984 Sep;354:577-604

Initiation of active contraction by photogeneration of adenosine-5'-triphosphate in rabbit psoas muscle fibres. Goldman YE, et al. **J Physiol (Lond)** 1984 Sep;354:605-24

Stepwise shortening in unstimulated frog skeletal muscle fibres. Granzier HL, et al. **J Physiol (Lond)** 1985 May; 362:173-88

Facilitation of soleus-coupled Renshaw cells during voluntary contraction of pretibial flexor muscles in man. Katz R, et al. **J Physiol (Lond)** 1984 Oct;355:587-603

Movements of cross-bridges during and after slow length changes in active frog skeletal muscle. Matsubara I, et al. **J Physiol (Lond)** 1985 Apr;361:151-63

Lateral filamentary spacing in chemically skinned murine muscles during contraction. Matsubara I, et al. **J Physiol (Lond)** 1985 Mar;360:135-48

The after-effects of stretch and fusimotor stimulation on the responses of primary endings of cat muscle spindles. Morgan DL, et al. **J Physiol (Lond)** 1984 Nov;356:465-77

Effects of inhibiting carbonic anhydrase on isometric contraction of frog skeletal muscle. Scheid P, et al. **J Physiol (Lond)** 1985 Apr;361:91-101

A study of the relationship between muscle length, tension-time area and stiffness in cat areflexic soleus. Parmiggiani F, et al. **J Physiol (Paris)** 1984;79(5):353-6

Relationships between jaw pain and jaw muscle contraction level: underlying factors and treatment effectiveness. Sherman RA. **J Prosthet Dent** 1985 Jul;54(1):114-8

Biofeedback, self-control and tension headache. Abramowitz SI, et al. **J Psychosom Res** 1985;29(1):95-9

Short-term effect of androgen deprivation on intraluminal pressure and contractility of the rat epididymis. Din-Udom A, et al. **J Reprod Fertil** 1985 Mar;73(2):405-10

Lower-lip EMG and displacement during bilabial disfluencies in adult stutterers. McClean M, et al. **J Speech Hear Res** 1984 Sep;27(3):342-9

The effect of speed of isokinetic exercise on training transfer to isometric strength in the quadriceps muscle. Seaborne D, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):183-8

Power spectrum of electromyography in arm and leg muscles during isometric contractions and fatigue. Tarkka IM. **J Sports Med Phys Fitness** 1984 Sep;24(3):189-94

A comment on 'some aspects of the role of quantum mechanics in the theory of muscle contraction' [letter] Gray BF, et al. **J Theor Biol** 1984 Sep 7;110(1):131-3

Skeletal muscle graft for myocardial repair [letter] Macoviak JA. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 1):793-4

Hormonal influence on the neurogenic response of the hamster vas deferens. Belis JA, et al. **J Urol** 1985 Apr; 133(4):729-32

The significance of uninhibited detrusor contractions in prostatism. Dørflinger T, et al. **J Urol** 1985 May; 133(5):819-21

Effects of long-term catheter implantation on the contractile and histological properties of the canine bladder. Hoekstra JW, et al. **J Urol** 1985 Apr;133(4):709-12

Reconstruction of the lower urinary tract: observations on bowel dynamics and the artificial urinary sphincter. Light JK, et al. **J Urol** 1985 Apr;133(4):594-7

Electrophysiological analysis of warming up phenomenon in myotonia. Mano Y, et al. **Jpn J Med** 1985 May; 24(2):131-4

Thermoelastic effect in chemically skinned frog skeletal muscle in rigor. Kometani K, et al. **Jpn J Physiol** 1984; 34(3):389-96

Effects of twitch potentiators and repetitive stimulation on arsenazo III Ca-transients in Xenopus skeletal muscle fibers. Ochi K. **Jpn J Physiol** 1984;34(5):857-70

Influences of glycine and neuron R14 on contraction of the anterior aorta of Aplysia. Sawada M, et al. **Jpn J Physiol** 1984;34(4):747-67

In vivo 31P-NMR studies on aerobic recovery of frog muscle following tetanus. Seo Y, et al. **Jpn J Physiol** 1984; 34(5):927-31

Contribution of intracellular stored calcium to contractile activation in contractures of stomach circular muscle of Bufo vulgaris formosus. Shinohara Y, et al. **Jpn J Physiol** 1984;34(3):443-55

Tinnitus and/or hearing loss elicited by facial mimetic movement. Yamamoto E, et al. **Laryngoscope** 1985 Aug; 95(8):966-70

Indomethacin and meclofenamate potentiation of skeletal muscle active hyperemia. Rankin RS, et al. **Life Sci** 1985 Jan 14;36(2):161-8

A pharmacological investigation of the biphasic nature of the contractile response of rabbit and rat vas deferens to field stimulation. Sneddon P, et al. **Life Sci** 1984 Nov 5; 35(19):1903-12

Estimation of muscle force from intramuscular total pressure. Parker PA, et al. **Med Biol Eng Comput** 1984 Sep; 22(5):453-7

Influence of sex differences and knee joint position on electrical stimulation-modulated strength increases. Fahey TD, et al. **Med Sci Sports Exerc** 1985 Feb;17(1):144-7

Coupled diminished energy turnover and phosphorylase a formation in contracting hypothyroid rat muscle. Leijendekker WJ, et al. **Metabolism** 1985 May;34(5):437-41

Effect of hypophosphatemia on diaphragmatic contractility in patients with acute respiratory failure. Aubier M, et al. **N Engl J Med** 1985 Aug 15;313(7):420-4

The clinical status of hypophosphatemia: an update [editorial] Knochel JP. **N Engl J Med** 1985 Aug 15;313(7):447-9

Firing patterns of motor units in normal rats. Hennig R, et al. **Nature** 1985 Mar 14-20;314(6007):164-6

Intensification of the 5.9-nm actin layer line in contracting muscle. Matsubara I, et al. **Nature** 1984 Nov 29-Dec 5; 312(5993):471-3

The messenger across the gap [news] Somlyo AP. **Nature** 1985 Jul 25-31;316(6026):298-9

Actomyosin structure in contracting muscle detected by rapid freezing. Tsukita S, et al. **Nature** 1985 Sep 12-18; 317(6033):182-4

Calcium regulation of molluscan myosin ATPase in the absence of actin. Wells C, et al. **Nature** 1985 Feb 21-27; 313(6004):696-7

Sliding distance of actin filament induced by a myosin crossbridge during one ATP hydrolysis cycle. Yanagida T, et al. **Nature** 1985 Jul 25-31;316(6026):366-9

Substance P enteric neurons mediate non-cholinergic transmission to the circular muscle of the guinea-pig intestine. Costa M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):446-53

Vibration and muscle contraction affect somatosensory evoked potentials. Cohen LG, et al. **Neurology** 1985 May; 35(5):691-8

Action tremor with alternating activity in antagonist muscles [letter] Findley LJ, et al. **Neurology** 1984 Dec;34(12):1618-9

Isometric muscle contraction in endocrine myopathies. Maurer K, et al. **Neurology** 1985 Mar;35(3):333-7

The effects of orofacial sensory input on spontaneously occurring and apomorphine-induced rhythmical jaw movements in the anesthetized guinea pig. Chandler SH, et al. **Neurosci Lett** 1985 Jan 7;53(1):45-9

Reciprocal inhibition upon initiation of voluntary movement. Kagamihara Y, et al. **Neurosci Lett** 1985 Mar 22;55(1):23-7

Kegel's exercises with biofeedback therapy for treatment of stress incontinence. Burns PA, et al. **Nurse Pract** 1985 Feb; 10(2):28, 33-4, 46

Isometric exercise test for predicting gestational hypertension. Degani S, et al. **Obstet Gynecol** 1985 May; 65(5):652-4

Ladder angle and ankle flexion while climbing. Gabbard C, et al. **Percept Mot Skills** 1984 Dec;59(3):893-94

Two components of motor time: the tension lag and the tension-developing phase. Nakamura R, et al. **Percept Mot Skills** 1984 Dec;59(3):907-12

Relationship between emotions and muscle tension in oro-alimentary behavior. Ruggieri V, et al. **Percept Mot Skills** 1985 Feb;60(1):75-9

Influence of arm positions on EMG-reaction time of the biceps brachii for elbow flexion and forearm supination. Taniguchi R, et al. **Percept Mot Skills** 1984 Aug; 59(1):191-4

Changes in tension generation and ATPase activity in skinned muscle fibres of the carp following temperature acclimation. Altringham JD, et al. **Pflugers Arch** 1985 Apr; 403(4):449-51

Development of force-velocity relation and rise of isometric tetanic tension measure the time course of different processes. Cecchi G, et al. **Pflugers Arch** 1984 Aug; 401(4):396-401

Chemical energy usage during isometric twitches of frog sartorius muscle intoxicated with an isomer of creatine, beta-guanidinopropionate. De Saedeleer M, et al. **Pflugers Arch** 1984 Oct;402(2):185-9

Force generated by non-cycling crossbridges at low ionic strength in skinned smooth muscle from Taenia coli. Gagelmann M, et al. **Pflugers Arch** 1985 Feb;403(2):210-4

Regulation of isometric force and isotonic shortening velocity by phosphorylation of the 20,000 dalton myosin light chain of rat uterine smooth muscle. Haeberle JR, et al. **Pflugers Arch** 1985 Feb;403(2):215-9

Myosin light chain phosphorylation and isometric twitch potentiation in intact human muscle. Houston ME, et al. **Pflugers Arch** 1985 Apr;403(4):348-52

Effects of different patterns of long-term stimulation on blood flow, fuel uptake and enzyme activities in rabbit fast skeletal muscles. Hudlicka O, et al. **Pflugers Arch** 1984 Nov; 402(3):306-11

Acoustic phenomena in the latent period of skeletal muscle: a simple method for in-vivo measurement of the electro-mechanic latency (EML). Hufschmidt A. **Pflugers Arch** 1985 May;404(2):162–5

Force and membrane potential in acetylcholine and potassium contractures of denervated mouse muscles. Lorković H. **Pflugers Arch** 1985 May;404(1):50–5

The time course of changes in contraction kinetics during the tonic activation of the rat tracheal smooth muscle. Peiper U, et al. **Pflugers Arch** 1984 Sep;402(1):83–7

A 10 mus component in the tension transients of isolated intact skeletal muscle fibres of the frog. van den Hooff H, et al. **Pflugers Arch** 1984 Oct;402(2):137–43

Twitch characteristics in relation to muscle architecture and actual muscle length. Woittiez RD, et al. **Pflugers Arch** 1984 Aug;401(4):374–9

High voltage stimulation. Effects of electrode size on basic excitatory responses. Alon G. **Phys Ther** 1985 Jun; 65(6):890–5

Effect of quadriceps femoris muscle stretch on knee extension torque. Bohannon RW, et al. **Phys Ther** 1985 Mar; 65(3):312–3

Isometric + isotonic = isoconfusion [letter] Francis RS. **Phys Ther** 1985 Aug;65(8):1238–40

Comparison of isometric exercise and high volt galvanic stimulation on quadriceps femoris muscle strength. Mohr T, et al. **Phys Ther** 1985 May;65(5):606–12

Effect of load and carrying position on the electromyographic activity of the gluteus medius muscle during walking. Neumann DA, et al. **Phys Ther** 1985 Mar; 65(3):305–11

Improvement in isometric strength of the quadriceps femoris muscle after training with electrical stimulation. Selkowitz DM. **Phys Ther** 1985 Feb;65(2):186–96

Hill plots of muscles bathed in hypertonic solutions. Unsworth J, et al. **Physiol Chem Phys Med NMR** 1984; 16(5):393–404

ADP dissociation from actomyosin subfragment 1 is sufficiently slow to limit the unloaded shortening velocity in vertebrate muscle. Siemankowski RF, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):658–62

Inositol 1,4,5-trisphosphate: a possible chemical link in excitation-contraction coupling in muscle. Vergara J, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6352–6

Prolonged relaxation of detergent-skinned smooth muscle involves decreased endogenous phosphatase activity. Bialojan C, et al. **Proc Soc Exp Biol Med** 1985 Apr; 178(4):648–52

Cooling-induced contraction of guinea pig tracheal smooth muscle. Park MK, et al. **Proc Soc Exp Biol Med** 1984 Nov; 177(2):283–9

A theoretical and semi-empirical approach of muscle mechanics and energetics, independent of the mechanical role of the crossbridges. Part II: Energetics of a whole muscle. Morel JE. **Prog Biophys Mol Biol** 1984;44(1):73–96 (49 ref.)

A theoretical and semi-empirical approach of muscle mechanics and energetics, independent of the mechanical role of the crossbridges. Part I: Mechanics of a single fibre. Morel JE. **Prog Biophys Mol Biol** 1984;44(1):47–71 (57 ref.)

The dependence of the relaxation of tension of frog atrial-trabeculae on the sodium-calcium exchange: a voltage-clamp study. Chapman RA, et al. **Q J Exp Physiol** 1985 Jul;70(3):447–59

The response of slowly adapting mechanoreceptors in the cat knee joint to tetanic contraction of hind limb muscles. Ferrell WR. **Q J Exp Physiol** 1985 Jul;70(3):337–45

The effects of short-term voluntary immobilization on the contractile properties of the human triceps surae. White MJ, et al. **Q J Exp Physiol** 1984 Oct;69(4):685–91

Cyclic nucleotide changes and contractility in the rat anococcygeus muscle. Saint DA, et al. **Res Commun Chem Pathol Pharmacol** 1984 Nov; 46(2):163–73

Physiologic responses of clients with essential hypertension to progressive muscle relaxation training. Pender NJ. **Res Nurs Health** 1984 Sep;7(3):197–203

Plasma adrenaline and noradrenaline during mental stress and isometric exercise in man. The role of arterial sampling. Jörgensen LS, et al. **Scand J Clin Lab Invest** 1985 Sep; 45(5):447–52

Intra-abdominal pressure and trunk muscle activity during lifting. III. Effect of abdominal muscle training in chronic low-back patients. Hemborg B, et al. **Scand J Rehabil Med** 1985;17(1):15–24

Spontaneous rotation of permanent pacemaker—a cause of muscle stimulation and myopotential inhibition. Simonsen E, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(3):223–5

Muscle contraction and free energy transduction in biological systems. Eisenberg E, et al. **Science** 1985 Mar 1; 227(4690):999–1006

Phosphate release and force generation in skeletal muscle fibers. Hibberd MG, et al. **Science** 1985 Jun 14; 228(4705):1317–9

Effect of aging on gallbladder contraction and release of cholecystokinin-33 in humans. Khalil T, et al. **Surgery** 1985 Sep;98(3):423–9

Motor time of the rectus femoris under loading of different weights. Tsuji I, et al. **Tohoku J Exp Med** 1985 May; 146(1):119–20

Assessment of urethral resistance at external sphincter zone during voiding by static withdrawal urethrometrogram. Miyagawa I. **Urol Int** 1984;39(6):327–31

In vitro comparison of isometric and stop-test contractility parameters for the urinary bladder. van Mastrigt R, et al. **Urol Res** 1985;13(1):11–7

Theory of propagation of peristaltic waves along ureter and their simulation in electronic model. van Duyl WA. **Urology** 1984 Nov;24(5):511–20

[Changes in certain physiological parameters under suggestions of weakness and strength in a sleep-type hypnosis] Daněk V, et al. **Cesk Psychiatr** 1984 Jun; 80(3):188–95 (Eng. Abstr.) **(Cze)**

[Changes in motion in the left wall of the heart ventricle during isometric loading in patients with ischemic heart disease] Chaloupka V, et al. **Vnitr Lek** 1985 Feb; 31(2):119–27 (Eng. Abstr.) **(Cze)**

[Rheocardiographic study during the isometric loading test] Mayer P, et al. **Vnitr Lek** 1984 Sep;30(9):836–41 (Eng. Abstr.) **(Cze)**

[Extensoraponeurosis and it's significance for extension of the distal joint of the thumb] Christoffersen H. **Ugeskr Laeger** 1984 May 21;146(21):1566–8 (Eng. Abstr.) **(Dan)**

[The tonic vibration reflex] De Cuyper H. **Acta Belg Med Phys** 1985 Jan–Mar;8(1):41–6 (Eng. Abstr.) **(Dut)**

[Changes in the global electromyogram during static exercise; effect of age] Camus G, et al. **C R Soc Biol (Paris)** 1984; 178(5):567–71 (Eng. Abstr.) **(Fre)**

[Volar flexion of the fingers. Its value in the diagnosis of paralysis of the intrinsic muscles of the fingers, in leprosy particularly, and the study of the results of palliative operations] Bourrel P. **Chirurgie** 1984;110(8–9):772–8 (Eng. Abstr.) **(Fre)**

[What is Cybex? What does it enable us to do?] Leyvraz PF, et al. **Rev Med Suisse Romande** 1984 Oct;104(10):795–9 **(Fre)**

[Relaxograph—an improved technic for measuring relaxation] Gebert E. **Anasth Intensivther Notfallmed** 1985 Jun;20(3):147–50 (Eng. Abstr.) **(Ger)**

[Objectivity, validity and reliability of determination of recovery times following exhaustion trials in heavy dynamic muscle work from time series of heart rate] Luczak H, et al. **Eur J Applied Physiol** 1984;53(2):133–43 (Eng. Abstr.) **(Ger)**

[Distribution and functional effect of paralyses of vocal cord movement and stretch muscles based on electromyographic studies] Pahn J, et al. **Folia Phoniatr (Basel)** 1984; 36(6):273–83 (Eng. Abstr.) **(Ger)**

[Causes, prevention and therapy of postoperative function disorders of the chin musculature] Hardt N, et al. **Fortschr Kiefer Gesichtschir** 1985;30:46–8 **(Ger)**

[Effect of low frequency currents on pelvic floor muscles. An animal experiment study on the physical therapy of urinary incontinence] Kiesswetter H. **Fortschr Med** 1985 Jan 24;103(4):67–70 (Eng. Abstr.) **(Ger)**

[The Centre Nationale de la Recherche laboratory for occupational physiology investigates for a better quality of life. The French research institute with international recognition] Schneider RE. **Fortschr Med** 1985 Mar 14; 103(10):98–9 **(Ger)**

[Is the alpha adrenergic receptor density increased in intact thrombocytes in non-isometric trained athletes?] Lehmann M, et al. **Klin Wochenschr** 1984 Oct 15;62(20):992–5 (Eng. Abstr.) **(Ger)**

[Electromyographic determination of the fatigability of respiratory and leg muscles before and after aortocoronary bypass operation] Worth H, et al. **Respiration** 1984; 46(1):33–44 (Eng. Abstr.) **(Ger)**

[Lusitropic behavior in patients with coronary heart disease] Brandt D. **Wien Med Wochenschr [Suppl]** 1984;83:1–52 (Eng. Abstr.) **(Ger)**

[Comparison of the force-time course in isometric sustained contraction of the extensor apparatus of the back and arm flexor musculature at maximal voluntary contraction] Grunow L, et al. **Z Gesamte Hyg** 1985 Apr;31(4):205–8 (Eng. Abstr.) **(Ger)**

[Age related characteristic values in the assessment of endurance limits during local dynamic muscle work] Kobryn U, et al. **Z Gesamte Hyg** 1985 Feb;31(2):91–2 (Eng. Abstr.) **(Ger)**

[Cardiovascular and respiratory parameters by local dynamic muscle work of different working frequencies at endurance limits] Kobryn U, et al. **Z Gesamte Hyg** 1985 Apr; 31(4):202–4 (Eng. Abstr.) **(Ger)**

[Contraction force relation of spectral performance density distribution in surface EMG] Wawrzinoszek M, et al. **Z Gesamte Hyg** 1985 Feb;31(2):93–5 (Eng. Abstr.) **(Ger)**

[Contraction and relaxation mechanisms of the smooth vascular musculature] Busse R. **Z Kardiol** 1984;73 Suppl 2:63–9 (Eng. Abstr.) **(Ger)**

[A muscle and vascular oriented relaxation program for the treatment of chronic migraine patients. A randomized clinical comparative study] Doerr-Proske H, et al. **Z Psychosom Med Psychoanal** 1985;31(3):247–66 (Eng. Abstr.) **(Ger)**

[Changes in systemic hemodynamics and plasma catecholamine concentrations during isometric exercise in patients with essential hypertension] Sugimoto T, et al. **Kokyu To Junkan** 1985 Feb;33(2):179–83 (Eng. Abstr.) **(Jpn)**

[The relationship in the diurnal rhythm of electrical and mechanical activity between the stomach and the duodenum in dogs] Shiraishi Y, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):13–24 (Eng. Abstr.) **(Jpn)**

[Experimental study on measurements of compliance and cross sectional area in the urethra through the field gradient principle] Harada T. **Nippon Hinyokika Gakkai Zasshi** 1985 Mar;76(3):360–70 (Eng. Abstr.) **(Jpn)**

[A study of changes of the ureteral peristaltic rate and the bolus volume in increasing urine flow] Saeki H. **Nippon Hinyokika Gakkai Zasshi** 1984 Oct;75(10):1541–50 (Eng. Abstr.) **(Jpn)**

[Force-velocity relationship in normal and chronic obstructive subjects] Sasaki H. **Nippon Ronen Igakkai Zasshi** 1984 Sep;21(5):420–4 (Eng. Abstr.) **(Jpn)**

[Calcium regulation in skeletal muscle contraction—role of troponin T] Ohtsuki I. **Seikagaku** 1984 Nov;56(11):1357–71 (56 ref.) **(Jpn)**

[Regulatory chains of skeletal muscle myosin] Stepkowski D, et al. **Postepy Biochem** 1983;29(3–4):355–75 (111 ref.) **(Pol)**

[Ultrasonographic evaluation of the vasomotor reserve in patients with juvenile-onset diabetes mellitus] Gralewski Z, et al. **Wiad Lek** 1984 Jun 1;37(11):841–7 (Eng. Abstr.) **(Pol)**

[Long-term continuous electric stimulation of the phrenic nerve] Ul'kin SV. **Anesteziol Reanimatol** 1984 Nov–Dec; (6):28–32 (Eng. Abstr.) **(Rus)**

[The role of the relaxation properties of muscles in the formation of movement] Bogdanov VA. **Biofizika** 1985 Jan–Feb;30(1):145–8 (Eng. Abstr.) **(Rus)**

[Muscle as a system with parametric excitation] Lässig P, et al. **Biofizika** 1984 Sep–Oct;29(5):891–4 (Eng. Abstr.) **(Rus)**

[Phase transitions of free and bound water in muscle contraction] Sakhanova RA, et al. **Biofizika** 1985 Mar–Apr; 30(2):359–60 (Eng. Abstr.) **(Rus)**

[Analysis of disordered muscle contractile function by assessments of the degree of potentiation of evoked mechanical response of the muscle] Gekht BM, et al. **Biull Eksp Biol Med** 1985 May;99(5):552–4 (Eng. Abstr.) **(Rus)**

[Effect of long-term arterial hypotension on the relative volume of functioning capillaries in working skeletal muscles] Shenderov SM, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):755–6 (Eng. Abstr.) **(Rus)**

[Does muscle contraction require energy expenditure irrespective of the amount of work?] Aliukhin IuS, et al. **Dokl Akad Nauk SSSR** 1985 May–Jun;282(1):229–31 **(Rus)**

[Calcium channel and the contraction of smooth muscle cells] Rekalov VV, et al. **Dokl Akad Nauk SSSR** 1985; 281(2):462–6 **(Rus)**

[Changes in the rate of pulse wave spreading through the arteries of an extremity during muscle contraction] Kantsans IaV, et al. **Fiziol Cheloveka** 1984 May–Jun; 10(3):426–9 **(Rus)**

[Reaction properties of muscle to passive shortening] Safronov VA. **Fiziol Cheloveka** 1984 Jul–Aug;10(4):647–54 **(Rus)**

[Classification of electrocardiographic changes during muscular activity in healthy humans] Zav'ialov AI. **Fiziol Cheloveka** 1985 Mar–Apr;11(2):201–7 **(Rus)**

[Frequency of electrostimulation and the onset of tetanus in different muscles] Zimkin NV, et al. **Fiziol Cheloveka** 1984 Nov–Dec;10(6):972–80 **(Rus)**

[Changes in osmolarity of arterial blood in intensive muscle exercise] Kostenko TP, et al. **Fiziol Zh SSSR** 1984 Jun; 70(6):818–21 (Eng. Abstr.) **(Rus)**

[Mechanism of action of intravascular pressure on the electrical and contractile activity of lymphangions] Orlov RS, et al. **Fiziol Zh SSSR** 1984 Dec;70(12):1636–44 (Eng. Abstr.) **(Rus)**

[Method of evaluating musculoskeletal function in sportsmen] Urazaeva ZV, et al. **Gig Sanit** 1984 Aug;(8):55–8 **(Rus)**

[Comparative analysis of the effect of weightlessness and its model on the velocity-strength properties and tonus of human skeletal muscles] Kozlovskaia IB, et al. **Kosm Biol Aviakosm Med** 1984 Nov–Dec;18(6):22–6 (Eng. Abstr.) **(Rus)**

[Regional blood flow during isokinetic dynamometric tests after 14-day bed rest] Vasil'eva TD, et al. **Kosm Biol Aviakosm Med** 1984 Sep–Oct;18(5):26–30 (Eng. Abstr.) **(Rus)**

[Activity of fusimotor neurons during reflex muscle contraction] Bucho I, et al. **Neirofiziologiia** 1984; 16(5):630–7 (Eng. Abstr.) **(Rus)**

[Dynamics of efferent regulation of muscle contraction. Determination of transition processes: external load—muscle length] Kostiukov AI. **Neirofiziologiia** 1985; 17(3):334–43 (Eng. Abstr.) **(Rus)**

[Calculation of stress in the region of Colles' fracture at a typical location during handgrip] Solomonik ZE, et al. **Ortop Travmatol Protez** 1985 Apr;(4):29–32 (Eng. Abstr.) **(Rus)**

[Disorders of cardiac rhythm in patients with ischemic heart disease during isometric exercises] Gel'frat EB, et al. **Sov Med** 1985;(4):68–73 **(Rus)**

[Functional and morphological changes in the crural muscles in the post-thrombophlebitis syndrome of the lower limbs] Bogdanov AS. **Vestn Khir** 1984 Aug;133(8):57–9 (Eng. Abstr.) **(Rus)**

[Changes in muscle elasticity in sailors during sea voyages] Kushnirenko EA, et al. **Voen Med Zh** 1984 Aug;(8):49-50 (Rus)

[Development of the contractile activity of the thoracic duct in dogs in postnatal ontogenesis] Tashenova LK, et al. **Zh Evol Biokhim Fiziol** 1984 Sep-Oct;20(5):549-52 (Eng. Abstr.) (Rus)

[The effect of changes in extracellular magnesium on the activity of the smooth muscles of vascular walls] Török J, et al. **Cesk Fysiol** 1984;33(4):328-33 (Slo)

[Genital prolapse and urinary incontinence. Perineal rehabilitation] Lemus M, et al. **Rev Chil Obstet Ginecol** 1982;47(6):373-9 (Spa)

DRUG EFFECTS

Effects of succinylcholine chloride on the response of fast and slow muscle in the cat. Choi WW, et al. **Acta Anaesthesiol Scand** 1984 Oct;28(5):516-20

Vecuronium in patients with and without renal failure. Orko R, et al. **Acta Anaesthesiol Scand** 1985 Apr;29(3):326-9

Contraction and cyclic AMP-related relaxation of the intimal and medial smooth muscle layers of pig thoracic aorta. Andersson RG, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 May;56(5):391-7

A novel 1,4 dihydropyridine, BAY K 8644, with contractile effects on vascular smooth muscle. Mikkelsen E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):44-9

Effects of theophylline on small human placental arteries in vitro. Nielsen-Kudsk JE. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):14-9

The effect of D2343 in transmurally stimulated rabbit isthmus muscle. Olsson OA, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 May;56(5):427-30

Effects of dinitrophenol on phosphorylase a activity, adenine nucleotide levels and tension in rabbit colon smooth muscle. Pettersson G. **Acta Pharmacol Toxicol (Copenh)** 1985 Apr;56(4):302-8

Steric aspects of agonism and antagonism at beta-adrenoceptors: experiments with the enantiomers of clenbuterol. Waldeck B, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Mar;56(3):221-7

Role of different calcium pools in the contraction of respiratory smooth muscle. Bengtsson B, et al. **Acta Physiol Scand** 1985 May;124(1):93-8

Concentrations and contractile effects of substance P in the human ampullary-isthmic junction. Forman A, et al. **Acta Physiol Scand** 1985 May;124(1):17-23

Intimacy of the neuroeffector junction and resistance to alpha-adrenoceptor-blockade of the neurogenic contractile response in vasa deferentia from guinea pig and rat. Hammarström M, et al. **Acta Physiol Scand** 1984 Dec;122(4):465-74

Comments on the atropine resistance of the neurogenic contractile response of the rat detrusor muscle. Hammarström M, et al. **Acta Physiol Scand** 1984 Dec;122(4):475-81

Characterization of two different calcium entry pathways in small mesenteric arteries from rat. Högestätt ED. **Acta Physiol Scand** 1984 Dec;122(4):483-95

Fatigue in frog skeletal muscle fibres and effects of methylxanthine derivatives. Khan AR, et al. **Acta Physiol Scand** 1985 May;124(1):35-41

Effects of vasoactive intestinal polypeptide on the spontaneous phasic activity of rabbit bladder and kidney pelvis preparations in vitro. Kihl B, et al. **Acta Physiol Scand** 1985 Apr;123(4):497-9

Influence of antimuscarinics on alpha-adrenoceptors in the female rabbit urethra. Larsson B, et al. **Acta Physiol Scand** 1984 Apr;120(4):537-42

Graded effects of oxygen and respiratory inhibitors on cell metabolism and spontaneous contractions in smooth muscle of the rat portal vein. Lövgren B, et al. **Acta Physiol Scand** 1985 Apr;123(4):485-95

Pre- and postjunctional effects of NPY on sympathetic control of rat femoral artery. Lundberg JM, et al. **Acta Physiol Scand** 1985 Apr;123(4):511-3

Effects of neuropeptide Y (NPY) on mechanical activity and neurotransmission in the heart, vas deferens and urinary bladder of the guinea-pig. Lundberg JM, et al. **Acta Physiol Scand** 1984 Aug;121(4):325-32

Influence of extracellular calcium and nifedipine on alpha 1- and alpha 2-adrenoceptor-mediated contractile responses in isolated rat and cat cerebral and mesenteric arteries. Skärby T, et al. **Acta Physiol Scand** 1985 Apr;123(4):445-56

Characterization of the prostanoid receptors and of the contractile effects of prostaglandin F2 alpha in human pial arteries. Uski TK, et al. **Acta Physiol Scand** 1984 Aug;121(4):369-78

Serine esterase inhibitor reduces contractions with isolated trachea and lung strips from guinea pigs induced by phospholipase A2. Slapke J. **Allergol Immunopathol (Madr)** 1984 Jul-Aug;12(4):289-92

Involvement of transport of H+ equivalents in activation-induced alkaline shift in frog muscle. Connett RJ, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C357-63

Vasoactive intestinal peptide as a neural mediator of gastric relaxation. Grider JR, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G73-8

Effects of glucocorticoid treatment on excitation-contraction coupling. Laszewski B, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):E363-9

Migrating action potential complex: unmasked by 6-hydroxydopamine. Mathias JR, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):G416-21

Tetrodotoxin-resistant relaxation to transmural nerve stimulation in isolated saphenous vein. Senaratne M, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H952-9

Effects of vasoactive intestinal peptide on canine prostatic contraction and secretion. Smith ER, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):R701-8

Agonist-induced isotonic contraction of cultured mesangial cells after multiple passage. Venkatachalam MA, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C48-55

Contractile responses to histamine of isolated pulmonary artery strips from healthy and heartworm-infected dogs. O'Malley NA, et al. **Am J Vet Res** 1985 Jul;46(7):1463-7

Colonic motor responses in the pony: relevance of colonic stimulation by opiate antagonists. Roger T, et al. **Am J Vet Res** 1985 Jan;46(1):31-5

Aminophylline and its influence on ventilatory endurance in humans. Belman MJ, et al. **Am Rev Respir Dis** 1985 Feb;131(2):226-9

Visual and tactile assessment of neuromuscular blockade [letter] McLean A, et al. **Anaesth Intensive Care** 1984 Aug;12(3):271-2

Antagonism of phase II succinylcholine block by neostigmine. Donati F, et al. **Anesth Analg** 1985 Aug;64(8):773-6

Response differences of paretic and healthy extremities to pancuronium and neostigmine in hemiplegic patients. Iwasaki H, et al. **Anesth Analg** 1985 Sep;64(9):864-6

Atracurium pretreatment for succinylcholine-induced fasciculations and postoperative myalgia. Manchikanti L, et al. **Anesth Analg** 1985 Oct;64(10):1010-4

Prolonged hyporesponsiveness of vascular smooth muscle contraction after halothane anesthesia in rabbits. Spiss CK, et al. **Anesth Analg** 1985 Jan;64(1):1-6

Effects of aminophylline on diaphragmatic dysfunction after upper abdominal surgery. Dureuil B, et al. **Anesthesiology** 1985 Mar;62(3):242-6

In vitro interaction between halothane and succinylcholine in human skeletal muscle: implications for malignant hyperthermia and masseter muscle rigidity. Fletcher JE, et al. **Anesthesiology** 1985 Aug;63(2):190-4

The assessment of diaphragmatic contractility [editorial] Macklem PT. **Anesthesiology** 1985 Mar;62(3):229-30

Quantitative examination of the interaction of competitive neuromuscular blocking agents on the indirectly elicited muscle twitch. Waud BE, et al. **Anesthesiology** 1984 Oct;61(4):420-7

Effects of succinylcholine on respiratory and nonrespiratory muscle strength in humans. Williams JP, et al. **Anesthesiology** 1985 Sep;63(3):299-303

Unusual effects of histamine antagonists on canine nasal blood vessels. Ichimura K, et al. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):313-8

In vitro studies on the pharmacological properties of diacetolol, the major metabolite of acebutolol in man. Borchard U, et al. **Arch Int Pharmacodyn Ther** 1985 Jan;273(1):4-17

The effect of urethane on spontaneous and stimulated contractions of isolated rabbit urinary bladder. Maggi CA, et al. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):293-302

System and organ-selectivity of smooth muscle relaxants on in vitro spontaneously contracting preparations. Manzini S, et al. **Arch Int Pharmacodyn Ther** 1984 Jul;270(1):50-60

Effect of calcium-entry blockers and divalent cations on noradrenaline-induced contractions of the rat anococcygeus muscle. Oriowo MA. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):45-52

Alpha 2 adrenoceptor-mediated contraction of frog rectus abdominis muscle. Parle M, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):122-6

A comparison of the effects of 4-dimethylaminopyridine and 4-aminopyridine on isolated cardiac and skeletal muscle preparations. Savage AO. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):262-76

Treatment of mild hypertension with progressive muscle relaxation. Predictive value of indexes of sympathetic tone. Cottier C, et al. **Arch Intern Med** 1984 Oct;144(10):1954-8

The effect of 7-(2'-oxopropyl)-1,3-di-n-butyl-xanthine (BRL 30892) on ischaemic skeletal muscle pO2, pH and contractility in cats and rats. Angersbach D, et al. **Arzneimittelforsch** 1984;34(10):1274-8

Phorbol ester-induced contraction of arterial smooth muscle and inhibition of alpha-adrenergic response. Danthuluri NR, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1103-9

Nitrendipine potentiates Bay k 8644-induced contraction of isolated porcine coronary artery: evidence for functionally distinct dihydropyridine receptor subtypes. Dube GP, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1295-302

Excitation contraction coupling in skeletal muscle: evidence for a role of slow Ca2+ channels using Ca2+ channel activators and inhibitors in the dihydropyridine series. Ildefonse M, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):904-9

Structure-activity relationships of atrial natriuretic factor (ANF). I. Natriuretic activity and relaxation of intestinal smooth muscle. Thibault G, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):938-46

On the interaction of cobra venom protein cardiotoxins with erythrocytes. Zusman N, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):629-36

Compound effects of bisulphite ion on frog skeletal muscle. Ben Amar M, et al. **Biochem Pharmacol** 1985 Mar 1;34(5):637-40

Relationship between stimulated inositol lipid hydrolysis and contractility in guinea-pig visceral longitudinal smooth muscle. Best L, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2297-301

Correlation between inhibition of a cyclic GMP phosphodiesterase and relaxation of canine tracheal smooth muscle. Polson JB, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1875-9

The action of substance P on contraction, inositol phospholipids and adenylate cyclase in rat small intestine. Watson SP. **Biochem Pharmacol** 1984 Dec 1;33(23):3733-7

Suppression of active cross-bridge motions of isolated thick myofilaments in suspension by phenylmethylsulfonyl fluoride. Fan SF, et al. **Biochim Biophys Acta** 1985 Jan 21;827(1):101-5

Influence of cyclooxygenase inhibitors and arachidonic acid on contractile activity of the human Fallopian tube. Lindblom B, et al. **Biol Reprod** 1985 Apr;32(3):475-9

Endothelium-dependent relaxations of rabbit isolated aorta produced by carbachol and by Ginkgo biloba extract. Delaflotte S, et al. **Biomed Biochim Acta** 1984;43(8-9):S212-6

On the pharmacology of the ergot alkaloid elymoclavine. Petkov V, et al. **Biomed Biochim Acta** 1984;43(11):1305-16

Prostacyclin, its fatty acid precursor and its metabolites on the inotropic function of and on the prostanoid generation by diabetic arteries. Sterin-Borda LJ, et al. **Biomed Biochim Acta** 1984;43(8-9):S257-64

The inhibition of muscle contraction by adenosine 5' (beta, gamma-imido) triphosphate and by pyrophosphate. Pate E, et al. **Biophys J** 1985 Jun;47(6):773-80

The hill coefficient for the Ca2+-activation of striated muscle contraction. Shiner JS, et al. **Biophys J** 1984 Oct;46(4):541-3

Pharmacological characterization of alpha-adrenergic receptor subtypes mediating contraction in human mesenteric arteries and veins. Törnebrandt K, et al. **Blood Vessels** 1985;22(4):179-95

Dose-response studies with pancuronium, vecuronium and their combination. Ferres CJ, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):947-50

The effect of exogenous hormones on the resistance of the early pregnant human cervix. Anthony GS, et al. **Br J Obstet Gynaecol** 1984 Dec;91(12):1249-53

The relative potencies of some agonists at M2 muscarinic receptors in guinea-pig ileum, atria and bronchi. Barlow RB, et al. **Br J Pharmacol** 1985 Jun;85(2):437-40

Cyclic nucleotides and contractility of isolated soleus muscle. Bowman WC, et al. **Br J Pharmacol** 1985 Jan;84(1):259-64

Pharmacological modulation of responses of guinea-pig airways contracted with arachidonic acid. Burka JF. **Br J Pharmacol** 1985 Jun;85(2):421-5

Pharmacological modulation of responses of guinea-pig airways contracted with antigen and calcium ionophore A23187. Burka JF. **Br J Pharmacol** 1985 Jun;85(2):411-20

The effect of Bay K 8644 on contraction mediated by alpha-adrenoceptors in the rat saphenous vein. Cheung DW. **Br J Pharmacol** 1985 Jun;85(2):317-9

Central delta-opioid receptor interactions and the inhibition of reflex urinary bladder contractions in the rat. Dray A, et al. **Br J Pharmacol** 1985 Jul;85(3):717-26

Prejunctional dopamine receptors modulate twitch responses to parasympathetic nerve stimulation in the rabbit isolated rectococcygeus muscle. Drew GM, et al. **Br J Pharmacol** 1984 Dec;83(4):871-81

Mode of stimulatory actions of cadmium ion on the mouse diaphragm. Fu WM, et al. **Br J Pharmacol** 1985 Jun;85(2):471-9

Comparison of effects of a new dihydropyridine, Bay K 8644, and nifedipine on spontaneous mechanical activity in rat portal vein. Mikkelsen E. **Br J Pharmacol** 1985 Jun;85(2):383-5

Insensitivity of calcium-dependent endothelial stimulation in rat isolated aorta to the calcium entry blocker, flunarizine. Miller RC, et al. **Br J Pharmacol** 1985 Jun;85(2):481-7

Endothelial mediated inhibition of contraction and increase in cyclic GMP levels evoked by the alpha-adrenoceptor agonist B-HT 920 in rat isolated aorta. Miller RC, et al. **Br J Pharmacol** 1984 Dec;83(4):903-8

Phentolamine-induced rhythmic contractions in bladder detrusor muscle of guinea-pig. Satake N, et al. **Br J Pharmacol** 1984 Dec;83(4):965-71

Opioid inhibition of reflex urinary bladder contractions: dissociation of supraspinal and spinal mechanisms. Dray A, et al. **Brain Res** 1985 Jun 24;337(1):142-5

Antispasmodic effects of an alkaloid extracted from Phyllanthus sellowianus: a comparative study with papaverine. Calixto JB, et al. **Braz J Med Biol Res** 1984;17(3-4):313-21

Potassium-induced contractures in crab (Callinectes danae) muscle fibers. Leal-Cardoso JH, et al. **Braz J Med Biol Res** 1984;17(2):203-8

A comparison of the effects of cationic, anionic, and neutral amphipathic agents on the contractile behaviour of frog skeletal muscle. II. Amplitude of depolarization and repolarization-induced contractures. Foulks JG, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1356-64

A comparison of the effects of cationic, anionic, and neutral amphipathic agents on the contractile behaviour of frog skeletal muscle. I. Twitches and potential threshold for contraction. Foulks JG, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1348-55

Inotropic effect of amrinone in rabbit papillary muscle: reversal of the myocardial depressant effect of halothane. Komai H, et al. **Can J Physiol Pharmacol** 1984 Nov; 62(11):1382-6

Evidence for oxytocin receptors in the urinary bladder of the rabbit. Romine MT, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):287-91

Contractile effects of 4-aminopyridine on isolated frog rectus abdominis muscles. Savage AO. **Can J Physiol Pharmacol** 1984 Dec;62(12):1525-9

Effects of isoproterenol and forskolin on tension, cyclic AMP levels, and cyclic AMP dependent protein kinase activity in bovine coronary artery. Vegesna RV, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1116-23

Mechanism of hydralazine-induced relaxation of arterial smooth muscle. Ebeigbe AB, et al. **Cardiovasc Res** 1985 Jul;19(7):400-5

Differential effects of phenylmethanesulfonyl fluoride (PMSF) on carbachol and potassium stimulated phosphoinositide turnover and contraction in longitudinal smooth muscle of guinea pig ileum. Sekar MC, et al. **Cell Calcium** 1984 Jun;5(3):191-203

Effects of verapamil on histamine-and carbachol-induced contraction of pulmonary tissues in vitro. Deal EC Jr, et al. **Chest** 1984 Nov;86(5):762-6

Vasopressin causes endothelium-dependent relaxations of the canine basilar artery. Katusic ZS, et al. **Circ Res** 1984 Nov; 55(5):575-9

Mechanisms of adenosine triphosphate-, thrombin-, and trypsin-induced relaxation of rat thoracic aorta. Rapoport RM, et al. **Circ Res** 1984 Oct;55(4):468-79

Histamine-induced rhythmic contraction of hog carotid artery smooth muscle. Stein PG, et al. **Circ Res** 1984 Oct; 55(4):480-5

Effects of ergometrine on airway smooth muscle contractile responses. Louie S, et al. **Clin Allergy** 1985 Mar;15(2):173-8

Cholinergic neuromodulation by ATP, adenosine and its N6-substituted analogues in guinea-pig ileum. Katsuragi T, et al. **Clin Exp Pharmacol Physiol** 1985 Jan-Feb; 12(1):73-8

Effects of thyroxine treatment on contractions of soleus muscles of anaesthetized cats. Merican Z, et al. **Clin Exp Pharmacol Physiol** 1984 Sep-Oct;11(5):489-95

Vascular alpha 2-adrenoceptors can mediate nerve stimulation-evoked contractions. Docherty JR, et al. **Clin Sci** 1985;68 Suppl 10:117s-120s

Effects of desipramine on stimulation-induced contractions of the vas deferens of rats pretreated either chronically with desipramine or acutely with idazoxan. Doxey JC, et al. **Clin Sci** 1985;68 Suppl 10:155s-159s

Role of endothelium in the contractile response of rat aorta to alpha-adrenoceptor agonists. Godfraind T, et al. **Clin Sci** 1985;68 Suppl 10:65s-71s

alpha-Adrenoceptor agonists and the Ca2+-dependence of smooth muscle contraction: evidence for subtypes of receptors or for agonist-dependent differences in the agonist-receptor interaction? McGrath JC. **Clin Sci** 1985; 68 Suppl 10:55s-63s

Studies of alpha 2-adrenoceptor antagonist potency in vitro: comparisons in tissues from rats, rabbits, dogs and humans. Waterfall JF, et al. **Clin Sci** 1985;68 Suppl 10:21s-24s

Serotonin and forskolin enhance both magnitude of contraction and relaxation rate of Aplysia dorsal extrinsic muscle independently of acetylcholine receptor. Ram JL, et al. **Comp Biochem Physiol** [C] 1984;79(2):455-9

The contractions induced in rat and guinea-pig aortic strips by the alpha 2-adrenoceptor selective agonists B-HT 920 and UK 14,304 are mediated by alpha 1-adrenoceptors. Beckeringh JJ, et al. **Eur J Pharmacol** 1984 Sep 17; 104(3-4):197-203

Pupillary supersensitivity to substance P following prolonged treatment with tetrodotoxin or substance P antagonists. Bynke G, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):217-23

Neuronally mediated contraction responses of guinea-pig stomach smooth muscle preparations: modification by benzamide derivatives does not reflect a dopamine antagonist action. Costall B, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):79-89

Measurements of 45Ca2+ uptake and contractile responses after activation of postsynaptic alpha 1-adrenoceptors in the isolated canine saphenous vein: effects of calcium entry blockade. Jim KF, et al. **Eur J Pharmacol** 1985 Jan 2; 107(2):199-208

Co-existence of substance P and calcitonin gene-related peptide-like immunoreactivities in sensory nerves in relation to cardiovascular and bronchoconstrictor effects of capsaicin. Lundberg JM, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):315-9

Which active forms of physostigmine generate contractions in diaphragm muscles of mice? Noireaud J, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):141-6

Evidence that 5-hydroxytryptamine does not mediate GABA-induced contractile responses in the guinea-pig proximal ileum. Ong J, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):665-8

The mechanism of cGMP-induced relaxation in vascular smooth muscle. Popescu LM, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):393-4

Effect of vasoactive intestinal polypeptide (VIP) on cyclic AMP level and relaxation in rat isolated aorta. Schoeffter P, et al. **Eur J Pharmacol** 1985 Feb 26;109(2):275-9

Antagonism of Ca2+-induced contractions of K+-depolarized smooth muscle by local anaesthetics. Spedding M, et al. **Eur J Pharmacol** 1985 Jan 22; 108(2):143-50

Block of the hyoscine-resistant opiate withdrawal contracture of ileum by a new substance P antagonist [D-Arg1,D-Phe5,D- Trp7,9,Leu 11]substance P. Tsou K, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):155-6

Comparison of the effects of forskolin and isoprenaline on tracheal, cardiac and skeletal muscles from guinea-pig. Waldeck B, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):349-53

The response of the isolated iris sphincter muscle of various mammalian species to substance P. Unger WG, et al. **Exp Eye Res** 1984 Dec;39(6):677-84

Schistosoma mansoni: differences in acetylcholine, dopamine, and serotonin control of circular and longitudinal parasite muscles. Pax RA, et al. **Exp Parasitol** 1984 Dec; 58(3):314-24

Tricyclic antidepressants antagonize prostaglandin (PG) E2-induced contractions of the guinea pig ileum and hypomotility in the mouse. Tayo FM. **Experientia** 1985 Apr 15;41(4):474-6

Motilin: a mechanism incorporating the opossum lower esophageal sphincter into the migrating motor complex. Holloway RH, et al. **Gastroenterology** 1985 Sep; 89(3):507-15

Effect of cholinergic agonists on muscle from rodent proximal and distal small intestine. Nowak TV, et al. **Gastroenterology** 1985 May;88(5 Pt 1):1118-25

Thyrotropin-releasing hormone effects on guinea pig antrum. Oouchi M, et al. **Gastroenterology** 1985 May;88(5 Pt 1):1126-31

Antibiotic depression of evoked and spontaneous responses of opossum distal colonic muscularis mucosae in vitro: a factor in antibiotic-associated colitis? Percy WH, et al. **Gastroenterology** 1985 Apr;88(4):964-70

Nifedipine: a potent inhibitor of contractions in the body of the human esophagus. Studies in healthy volunteers and patients with the nutcracker esophagus. Richter JE, et al. **Gastroenterology** 1985 Sep;89(3):549-54

The influence of barbiturate drugs on tetraethylammonium induced contractures of the chick biventer cervicis muscle in vitro. Bell CJ, et al. **Gen Pharmacol** 1984;15(5):411-4

The effect of trifluperidol on the contractile response of guinea-pig taenia coli to acetylcholine, histamine, potassium and calcium. Fortes ZB. **Gen Pharmacol** 1984; 15(5):423-5

Pre- and post-synaptic actions of McN-A-343 in the neuromuscular junction: myographic and electrophysiologic studies in vitro. Simioni LR, et al. **Gen Pharmacol** 1984;15(6):559-62

Sodium withdrawal contractures in rat slow twitch skeletal muscle. Léoty C. **Gen Physiol Biophys** 1984 Oct;3(5):413-29

Oscillatory contractions in tail arteries from genetically hypertensive rats. Lamb FS, et al. **Hypertension** 1985 May-Jun;7(3 Pt 2):I25-30

Reduction of antigen-induced contraction of sensitized guinea-pig tracheal smooth muscle in vitro by calmodulin inhibitors. Nagai H, et al. **Int Arch Allergy Appl Immunol** 1985;76(3):251-5

Effects of cholinergic drugs and 4-aminopyridine on cat ciliary muscle contractility. Zacharias J, et al. **Invest Ophthalmol Vis Sci** 1985 Sep;26(9):1309-13

The mechanism of Ptychodiscus brevis toxin-induced rat vas deferens contraction. Sakamoto Y, et al. **J Allergy Clin Immunol** 1985 Jul;76(1):117-22

In vitro responses of cat skeletal muscle to halothane and caffeine. Deuster PA, et al. **J Appl Physiol** 1985 Feb; 58(2):521-7

Augmentation of parasympathetic contraction in tracheal and bronchial airways by PGF2 alpha in situ. Leff AR, et al. **J Appl Physiol** 1985 May;58(5):1558-64

Effect of intravenous midazolam on breathing pattern and chest wall mechanics in human. Morel DR, et al. **J Appl Physiol** 1984 Oct;57(4):1104-10

Reflex tracheal contraction evoked in dogs by bronchodilator prostaglandins E2 and I2. Roberts AM, et al. **J Appl Physiol** 1985 Jun;58(6):1823-31

Differential inhibitory effect of isoproterenol on contractions of canine airways. Russell JA. **J Appl Physiol** 1984 Sep; 57(3):801-7

Endogenous prostaglandins modulate histamine-induced contraction in canine tracheal smooth muscle. Shore SA, et al. **J Appl Physiol** 1985 Mar;58(3):859-68

Myosin light chain phosphatase. Effect on the activation and relaxation of gizzard smooth muscle skinned fibers. Hoar PE, et al. **J Biol Chem** 1985 Jul 25;260(15):8760-4

6-Tridecylresorcylic acid, a novel ATPase inhibitor that blocks the contractile apparatus of skeletal muscle proteins. Kobayashi M, et al. **J Biol Chem** 1984 Dec 25; 259(24):15007-9

Effects of nitroprusside and D 600 on norepinephrine- and KCl-stimulated Ca++ activation and contraction systems in canine renal vein as compared to canine renal artery. Hester RK, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct; 6(5):762-71

Endothelium-removal decreases relaxations of canine coronary arteries caused by beta-adrenergic agonists and adenosine. Rubanyi G, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb;7(1):139-44

Thyrotropin-releasing hormone-induced contraction of urethral and vaginal muscle. Zacur HA, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):787-9

Epidermal growth factor, a vascular smooth muscle mitogen, induces rat aortic contraction. Berk BC, et al. **J Clin Invest** 1985 Mar;75(3):1083-6

Effect of serotonin on the motility of smooth muscles in teats of lactating cows. Vandeputte-Van Messon G, et al. **J Dairy Res** 1985 Aug;52(3):347-53

Cyclic AMP modulation of adrenoreceptor-mediated arterial smooth muscle contraction. Saida K, et al. **J Gen Physiol** 1984 Aug;84(2):307-18

Calcium pools in the contraction of arterial smooth muscle induced by several agonists. Fasciolo JC. **J Hypertens** 1984 Oct;2(5):515-21

Hysteresis of the mammalian pCa/tension relation is small and muscle specific. Brandt PW, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):197-205

The effect of MgATP on forming and breaking actin-myosin linkages in contracted skinned insect flight muscle fibres. Kuhn HJ, et al. **J Muscle Res Cell Motil** 1985 Feb;6(1):5-27

Effect of quercetin on tension development by skinned fibres from frog skeletal muscle. Kurebayashi N, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):189-95

Dissociation between mechanical performance and the cost of isometric tension maintenance in Lethocerus flight muscle. Loxdale HD, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):163-75

Ruthenium red: differential effects on excitation and excitation-contraction coupling in frog skeletal muscle. Snowdowne KW, et al. **J Muscle Res Cell Motil** 1984 Aug; 5(4):399-410

On the nature of the contractile motor responses of the rat stomach elicited by serotonin or substance P in vitro. Lidberg P, et al. **J Neural Transm** 1985;63(1):73-89

Action of tizanidine on responses of forearm flexors and extensors to torque disturbances. Mackel R, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1109-16

Postjunctional effects of mianserin and its metabolites on the rat isolated anococcygeus muscle. Doggrell SA. **J Pharm Pharmacol** 1985 Feb;37(2):116-20

5-Hydroxytryptamine can antagonize the ability of metoclopramide and SCH 23390 to enhance electrical field stimulation-evoked contractions of guinea-pig isolated stomach muscle. Gunning SJ, et al. **J Pharm Pharmacol** 1985 Jan;37(1):78-80

Role of 5-HT2 receptors in serotonin-induced contractions of nonvascular smooth muscle. Cohen ML, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):770-4

Inhibition of urinary bladder contractions by a spinal action of morphine and other opioids. Dray A, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):254-60

Role of extracellular calcium in contractions produced by activation of postsynaptic alpha-2 adrenoceptors in the canine saphenous vein. Jim KF, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):161-5

Desensitization of alpha-1 adrenergic receptor-mediated vascular smooth muscle contraction. Lurie KG, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):147-52

Molecular heterogeneity of leukotriene receptors: correlation of smooth muscle contraction and radioligand binding in guinea-pig lung. Mong S, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):316-25

Dose- and time-dependent biphasic response to morphine on intestinal migrating myoelectric complex. Sarna SK, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):814-20

Nifedipine and alpha adrenoceptors in rat aorta. II. Role of extracellular calcium in enhanced alpha-2 adrenoceptor-mediated contraction in diabetes. Scarborough NL, et al. **J Pharmacol Exp Ther** 1984 Dec; 231(3):603-9

Nifedipine and alpha adrenoceptors in rat aorta. I. Role of extracellular calcium in alpha-1 and alpha-2 adrenoceptor-mediated contraction. Scarborough NL, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):597-602

Effect of calcium antagonists on the biosynthesis and contractile effects of peptidoleukotrienes in rhesus monkey lung. Weichman BM, et al. **J Pharmacol Exp Ther** 1985 May;233(2):345-51

Effects of calcium and substrate on force-velocity relation and energy turnover in skinned smooth muscle of the guinea-pig. Arner A, et al. **J Physiol (Lond)** 1985 Mar; 360:347-65

Effects of glucose removal and readmission on potassium contracture in the guinea-pig taenia coli. Ashoori F, et al. **J Physiol (Lond)** 1984 Nov;356:33-48

Calcium channel blockade in smooth muscle of the human upper urinary tract. II. Effects on norepinephrine-induced activation. Hertle L, et al. **J Urol** 1984 Dec;132(6):1270-4

Calcium channel blockade in smooth muscle of the human upper urinary tract. I. Effects on depolarization-induced activation. Hertle L, et al. **J Urol** 1984 Dec;132(6):1265-9

Effects of metoclopramide on detrusor function. Mitchell WC, et al. **J Urol** 1985 Oct;134(4):791-4

Effects of vasoactive intestinal polypeptide on isolated urethral and urinary bladder smooth muscle from rabbit and man. Sjögren C, et al. **J Urol** 1985 Jan;133(1):136-40

Effect of diuresis and glucagon on upper urinary tract dynamics in the dog. Struthers NW, et al. **J Urol** 1985

Jan;133(1):121-2

Comparison of the effects of primary prostaglandins on isolated human urinary bladder. Ueda S, et al. **J Urol** 1985 Jan;133(1):114-6

An inference on the biphasic pressure rise in response to norepinephrine infusion in vivo. Akatsuka N, et al. **Jpn Circ J** 1984 Nov;48(11):1260-2

Studies on the muscle relaxation effects of ethyl loflazepate (CM6912) and evaluation as an anti-anxiety drug. Sakai Y, et al. **Jpn J Pharmacol** 1984 Nov;36(3):319-28

Effects of low Na on the tetanic contractility of frog skeletal muscle. Hatae J, et al. **Jpn J Physiol** 1984;34(4):629-39

Effects of divalent cations on biphasic potassium contractures and on contractile inactivation in low calcium solutions in frog single twitch muscle fibers. Takauji M, et al. **Jpn J Physiol** 1984;34(6):961-72

Effects of external calcium reduction on biphasic potassium contractures and action of divalent cations on the calcium reduction in frog single twitch muscle fibers. Tsutsu-ura M, et al. **Jpn J Physiol** 1984;34(3):485-95

Electrical and mechanical events through activation of muscarinic receptor in the smooth muscle of guinea-pig vas deferens. Wakui M, et al. **Jpn J Physiol** 1984; 34(3):557-60

Evidences that endogenous 5-hydroxytryptamine participates in the contractile response to morphine in the rat isolated colon. Kitazawa T. **Kitasato Arch Exp Med** 1984 Apr;57(1):47-56

Facilitation of isoproterenol induced airway smooth muscle relaxation by nifedipine. Elguindi AS, et al. **Life Sci** 1985 Jan 7;36(1):75-81

Inhibition of intestinal smooth muscle function by tamoxifen and clomiphene. Morris ID. **Life Sci** 1985 Jul 22; 37(3):273-8

CGS 8216, Ro 15-1788 and methyl-beta-carboline-3-carboxylate, but not EMD 41717 antagonize the muscle relaxant effect of diazepam in genetically spastic rats. Schwarz M, et al. **Life Sci** 1984 Oct 1;35(14):1445-51

Mechanism of leukotriene-induced contraction of isolated guinea pig tracheal smooth muscle. Sasaki T, et al. **Lung** 1984;162(6):369-80

Antagonistic effect of polyphloretin phosphate and di-4-phloretin phosphate on the contractile responses of guinea-pig gastric muscles to prostaglandin E2. Rakovska A, et al. **Methods Find Exp Clin Pharmacol** 1984 Dec; 6(12):747-50

Diagnosis of malignant hyperthermia: implications for the military. Biscardi HM, et al. **Milit Med** 1985 Jun; 150(6):293-6

Interactions of bupivacaine with ionic channels of the nicotinic receptor. Electrophysiological and biochemical studies. Ikeda SR, et al. **Mol Pharmacol** 1984 Sep; 26(2):293-303

Desensitization of beta-adrenergic receptor-mediated vascular smooth muscle relaxation. Tsujimoto G, et al. **Mol Pharmacol** 1985 Feb;27(2):210-7

Positive inotropic effect of Bay K 8644: cAMP-independence and lack of inhibitory effect of adenosine. Böhm M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):447-50

Study of the contractile effect of 5-hydroxytryptamine (5-HT) in the isolated longitudinal muscle strip from guinea-pig ileum. Evidence for two distinct release mechanisms. Buchheit KH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar; 329(1):36-41

Neuropeptide Y (NPY) reduces field stimulation-evoked release of noradrenaline and enhances force of contraction in the rat portal vein. Dahlöf C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):327-30

Substance P action on phosphoinositides in guinea-pig intestinal muscle: a possible transduction mechanism? Holzer P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar;329(1):50-5

Intracellular mechanism of quinidine action on muscle contraction. A comparison between rabbit cardiac and skeletal muscle. Su JY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jul; 326(4):375-81

Dynorphin B-29: chemical synthesis and pharmacological properties in opioid systems in vitro. Sanchez-Blazquez P, et al. **Neuropeptides** 1984 Sep;4(5):369-74

Cyclobenzaprine: effect on tonic vibration reflexes in local tetanus cat preparations. Share NN. **Neuropharmacology** 1984 Aug;23(8):947-53

Pharmacological characterization of novel mammalian tachykinins, neurokinin alpha and neurokinin beta. Kimura S, et al. **Neurosci Res** 1984 Dec;2(1-2):97-104

Potassium-induced contraction in smooth muscle. Karaki H, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Dec; 20(6):427-44 (129 ref.)

Stimulating and potentiating effects of sodium nitroprusside on the guinea-pig vas deferens and their comparison with the effects on the portal vein and the taenia coli. Sunano S. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):25-33

The effects of sodium nitroprusside on the phasic and tonic contraction of the potassium contracture of the smooth muscle of guinea-pig vas deferens and portal vein. Sunano S. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):35-44

High K-induced contractions in rabbit and monkey tracheal smooth muscle. Ueda F, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Dec;19(6):541-9

Effects of vanadate on mechanical and electrical activities in guinea-pig taenia coli. Ueda F, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Apr;20(2):85-93

Effects of aminobenzyl penicillin (AB-PC), methylchlorophenyl isoxazolyl penicillin (MCI-PC) and 6-aminopenicillanic acid (6-APA) on the contractile response of guinea-pig urinary bladder. Yoshida M, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):1-12

Lidocaine-pancuronium bromide retrobulbar injection: experimental studies of simultaneous neural and myoneural blockage for profound akinesia. Singh R, et al. **Ophthalmic Surg** 1984 Dec;15(12):996-9

Parallel bioassay of litorin and phyllolitorins on smooth muscle preparations. Falconieri Erspamer G, et al. **Peptides (Fayetteville)** 1984 Jul-Aug;5(4):765-8

Chemical energy usage during isometric twitches of frog sartorius muscle intoxicated with an isomer of creatine, beta-guanidinopropionate. De Saedeleer M, et al. **Pflugers Arch** 1984 Oct;402(2):185-9

Effects of enflurane on excitation-contraction coupling in frog skeletal muscle fibers. Kurihara S, et al. **Pflugers Arch** 1984 Dec;402(4):345-52

Ca2+ can affect Vmax without changes in myosin light chain phosphorylation in smooth muscle. Siegman MJ, et al. **Pflugers Arch** 1984 Aug;401(4):385-90

The effect of thymoxamine on guinea-pig ileum contractions. Lograno MD, et al. **Pharmacol Res Commun** 1984 Nov; 16(11):1101-10

Effects of some intravenous anaesthetics on the contractile responses produced in the chick biventer cervicis skeletal muscle. Wali FA. **Pharmacol Res Commun** 1985 Apr; 17(4):361-76

Pharmacomechanical coupling in smooth muscle may involve phosphatidylinositol metabolism. Baron CB, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6899-903

Neuroleptic drugs attenuate calcium influx and tension development in rabbit thoracic aorta: effects of pimozide, penfluridol, chlorpromazine, and haloperidol. Flaim SF, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1237-41

Inositol trisphosphate-induced calcium release and contraction in vascular smooth muscle. Somlyo AV, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5231-5

Atrial natriuretic factor elicits an endothelium-independent relaxation and activates particulate guanylate cyclase in vascular smooth muscle. Winquist RJ, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7661-4

The strontium-induced calcium-release process and its implication in contractility of skeletal muscle of Rana ridibunda. Cognard C, et al. **Proc R Soc Lond [Biol]** 1985 Jun 22;224(1237):489-509

Cyanide and sulfide interact with nitrogenous compounds to influence the relaxation of various smooth muscles. Kruszyna H, et al. **Proc Soc Exp Biol Med** 1985 May; 179(1):44-9

Prejunctional alpha 2-adrenoceptor mediated inhibitory action of clonidine and B-HT 920, but not urapidil in guinea pig ileum. Shebuski RJ, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):133-8

Characterisation of the prostanoid receptors mediating contraction of guinea-pig isolated trachea. Coleman RA, et al. **Prostaglandins** 1985 Mar;29(3):363-75

Species dependent relaxation of intrapulmonary arteries (IPA) of rabbits, dogs and humans by prostacyclin. Hadhazy P, et al. **Prostaglandins** 1985 May;29(5):673-88

Study of mechanisms mediating contraction to leukotriene C4, D4 and other bronchoconstrictors on guinea pig trachea. Jones TR, et al. **Prostaglandins** 1984 Jun; 27(6):939-59

Effects of 9-deoxo-16,16-dimethyl-9-methylene PGE2 on muscle contractile activity and collagen synthesis in the human cervix. Norström A, et al. **Prostaglandins** 1985 Mar; 29(3):337-46

The influence of prostaglandins on neurotransmission in the rabbit isolated vas deferens. Trachte GJ. **Prostaglandins** 1985 Jan;29(1):47-59

Differentiation of the mechanisms by which leukotrienes C4 and D4 elicit contraction of the guinea pig trachea. Weichman BM, et al. **Prostaglandins** 1985 Apr;29(4):547-60

Hypersensitivity to norepinephrine in vasa deferentia from diabetic rats. Possible participation of metabolic products of arachidonic acid. Peredo H, et al. **Prostaglandins Leukotrienes Med** 1984 Aug;15(2):229-39

Analysis of the antagonist profile of SK&F 88046 on guinea pig trachea. Weichman BM, et al. **Prostaglandins Leukotrienes Med** 1984 Aug;15(2):167-75

Determination of the ratio of the contractions, induced by thromboxane A2 in the guinea pig lung parenchymal strip after exogenous administration and formation in the tissue. Zijlstra FJ, et al. **Prostaglandins Leukotrienes Med** 1984 Aug;15(2):143-6

Facial EMG activity levels predict treatment outcome in depression. Greden JF, et al. **Psychiatry Res** 1934 Dec; 13(4):345-52

Motilin and migrating myoelectric complexes in the pig and the dog. Borody TJ, et al. **Q J Exp Physiol** 1984 Oct; 69(4):875-90

Post-natal change and regional variation of the response of the vas deferens of new-born rats to autonomic drugs. Chiu-Wei YF, et al. **Q J Exp Physiol** 1984 Oct;69(4):703-10

Post-natal change in the effect of denervation on the rat vas deferens. Chiu-Wei YF, et al. **Q J Exp Physiol** 1984 Oct;69(4):711-8

The relationship between bronchial hyperresponsiveness to methacholine and airway smooth muscle structure and reactivity. Armour CL, et al. **Respir Physiol** 1984 Nov; 58(2):223-33

Some properties of calcium-induced contraction in the isolated human and guinea-pig tracheal smooth muscle. Ito M, et al. **Respir Physiol** 1985 Feb;59(2):143-53

Effects of high K on relaxation produced by drugs in the guinea-pig tracheal muscle. Ito M, et al. **Respir Physiol** 1985 Jul;61(1):43-55

5-hydroxytryptamine: source of activator calcium in human basilar arteries. Rusch NJ, et al. **Stroke** 1985 Jul-Aug; 16(4):718-20

Effect of aminophylline on the human diaphragm. Moxham J, et al. **Thorax** 1985 Apr;40(4):288-92

Effects of methylmercuric chloride and bis (methylmercuric) selenide on responses of isolated intestinal smooth muscle of the guinea-pig. Fukushi Y, et al. **Tohoku J Exp Med** 1985 Mar;145(3):243-9

Vasoactive intestinal peptide counteracts leukotriene D4-induced contractions of guinea pig trachea, lung, and pulmonary artery. Hamasaki Y, et al. **Trans Assoc Am Physicians** 1983;96:406-11

Endothelium-dependent vasodilator-and nitrovasodilator-induced relaxation may be mediated through cyclic GMP formation and cyclic GMP-dependent protein phosphorylation. Rapoport RM, et al. **Trans Assoc Am Physicians** 1983;96:19-30

Effects of theophylline and isoproterenol on the activity on the isolated guinea pig ureter. Bloch R, et al. **Urol Int** 1984; 39(5):308-11

[Parathyroid hormone fragments relax guinea pig trachea in vitro] Yan YJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):198-201 (Eng. Abstr.) (Chi)

[Influence of bovine parathyroid hormone-(1-34) on the contraction of the rat vas deferens and the effect of calcium] Yang W, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):51-5 (Eng. Abstr.) (Chi)

[Contraction of the rabbit pulmonary artery by isoproterenol] Zhang PW, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec; 5(4):241-4 (Eng. Abstr.) (Chi)

[The local effect of nitroglycerin ointment in dilating veins. A possible aid in establishing drip infusions] Lohmann M, et al. **Ugeskr Laeger** 1985 May 20;147(21):1695-6 (Eng. Abstr.) (Dan)

[Evaluation of curarization (letter)] Lepage JY, et al. **Ann Fr Anesth Reanim** 1984;3(6):468 (Fre)

[Adenosine-3',5'-monophosphate content and muscle tension in isolated coronary arteries under the effect of lanthanum ions] Fermum R, et al. **Biomed Biochim Acta** 1984; 43(11):1285-94 (Eng. Abstr.) (Ger)

[The effect of coffee on the motor function of the gallbladder] Matzkies F, et al. **Fortschr Med** 1985 Jul 25; 103(27-28):713-4 (Eng. Abstr.) (Ger)

[Addition of muscle relaxants to intravenous regional anesthesia] Prippenow G, et al. **Reg Anaesth** 1985 Apr; 8(2):15-20 (Eng. Abstr.) (Ger)

[Mechanism of action of calcium antagonists] Stimpel M, et al. **Schweiz Rundsch Med Prax** 1985 May 7;74(19):483-90 (Eng. Abstr.) (Ger)

[Anaphylaxis inhibits beta-adrenergic relaxation of guinea-pig tracheal smooth muscle] Yukawa T, et al. **Arerugi** 1985 Feb;34(2):79-87 (Eng. Abstr.) (Jpn)

[Pharmacological studies on a new cephamycin, MT-141. (2) Its effect on preparations of neuromuscular junction, smooth muscle organs and gastro-intestinal system] Yamaki Y, et al. **Jpn J Antibiot** 1984 Aug;37(8):1470-87 (Eng. Abstr.) (Jpn)

[Contracture responses of the muscle from a patient with malignant hyperthermia to drugs] Iwatsuki N, et al. **Masui** 1984 Jul;33(7):731-6 (Eng. Abstr.) (Jpn)

[Effects of high K on the ciliary muscle] Suzuki R, et al. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):364-7 (Eng. Abstr.) (Jpn)

[Influence of pH changes of the medium on relaxant actions of papaverine] Sunagane N, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):67-73 (Eng. Abstr.) (Jpn)

[Effect of indomethacin on leukotriene-induced contractile responses in guinea pig trachea and lung parenchyma strips] Uchida Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Oct;22(10):885-9 (Eng. Abstr.) (Jpn)

[Effect of serum cholinesterase activity on muscle relaxation by succinylcholine in rats] Kitamura K, et al. **Yakugaku Zasshi** 1984 Apr;104(4):406-8 (Eng. Abstr.) (Jpn)

[Mode of relaxant action of bile salts on isolated guinea-pig gallbladder] Sunagane N, et al. **Yakugaku Zasshi** 1984 Oct; 104(10):1083-9 (Eng. Abstr.) (Jpn)

[Disorders of the adrenergic mechanisms regulating tubal contractility and their recovery during the treatment of sterile women with hydrogen sulfide waters] Volobuev AI, et al. **Akush Ginekol (Mosk)** 1985 Mar;(3):31-6 (Eng. Abstr.) (Rus)

[Contractile capacity of isolated flaps from the aorta of rats with stable arterial hypertension caused by the prolonged administration of cerebrosides] Mirzoian SA, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):706-8 (Eng. Abstr.) (Rus)

[Changes in the creatine kinase activity in the rat heart and skeletal muscles during myorelaxation with tubocurarine, arduan and myorelaxin] Mozgovaia EN, et al. **Ukr Biokhim Zh** 1984 Sep-Oct;56(5):555-8 (Eng. Abstr.) **(Rus)**

[The importance of histaminergic H1 and H2 receptors for the contractile effect of histamine on human umbilical veins] Atanacković D, et al. **Jugosl Ginekol Opstet** 1984 May-Aug;24(3-4):51-3 (Eng. Abstr.) **(Scr)**

[The effect of procaine on calcium channels and excitation-contraction coupling of muscle membranes with calcium electrogenesis] Zacharová D, et al. **Bratisl Lek Listy** 1985 Mar;83(3):252-64 (Eng. Abstr.) **(Slo)**

[Effect of haloperidol and pimozide on the cardiac action of dopamine in the isolated auricle] Laorden ML, et al. **Arch Farmacol Toxicol** 1984 Aug;10(2):107-14 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Temporary suppression of clonus in humans by brief photostimulation. Walker JB. **Brain Res** 1985 Aug 5; 340(1):109-13

MUSCLE CRAMP

COMPLICATIONS

Primary writing tremor and myoclonic writer's cramp. Ravits J, et al. **Neurology** 1985 Sep;35(9):1387-91

DIAGNOSIS

Multiple metaphyseal lesions in a child with a syndrome of progressive muscle cramps, alopecia and stunted growth (Satoyoshi disease). Matsuo N, et al. **Radiat Med** 1983 Jul-Sep;1(3):205-7

DRUG THERAPY

Quinine for night cramps [letter] **Br Med J [Clin Res]** 1985 Jul 27;291(6490):281-2

Quinine for night cramps [editorial] Henry J. **Br Med J [Clin Res]** 1985 Jul 6;291(6487):3

Effect of small doses of aspirin and acetaminophen on total menstrual loss and pain of cramps and headache. Pendergrass PB, et al. **Gynecol Obstet Invest** 1985; 19(1):32-7

ETIOLOGY

Nerve root compression and night cramps [letter] Rish BL. **JAMA** 1985 Jul 19;254(3):361

Causes of night cramps [letter] Sugar O. **JAMA** 1985 Feb 8;253(6):775-6

RSI revisited [letter] **Med J Aust** 1985 Apr 29;142(9):529-30

FAMILIAL & GENETIC

Familial writer's cramp [letter] Martínez-Martín P, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):487

[A case of hyperCKemia with mounding phenomenon] Hayashi T, et al. **No To Hattatsu** 1985 Jul;17(4):378-9 **(Jpn)**

PHYSIOPATHOLOGY

A young woman with muscle cramps and periodontal disease. Seitzinger DB, et al. **Hosp Pract [Off]** 1985 Feb 15; 20(2):48E, 48F

Increased co-activation of the upper limb muscles in writer's cramp. Hughes M, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):782-7

Cramps, spasms and muscle stiffness. Rowland LP. **Rev Neurol (Paris)** 1985;141(4):261-73 (143 ref.)

THERAPY

Standing: a good remedy [letter] Davison S. **JAMA** 1984 Dec 28;252(24):3367

MUSCLE DENERVATION

Early changes in experimental denervated rat gastrocnemius muscle. A semi-automatic quantitative study. De Coster W, et al. **Acta Neuropathol (Berl)** 1985;67(1-2):114-20

Myosin expression during regeneration and in denervated skeletal muscle. Strohman RC, et al. **Adv Exp Med Biol** 1985;182:259-63

Ultrastructural changes of neuromuscular receptor organs in the masseter muscles following unilateral transection of the rat infraorbital nerve. Kubota K, et al. **Anat Anz** 1985; 158(2):135-57

The effect of tetrodotoxin on mammalian sarcolemmal proteins and glycoproteins. Jeffrey PL, et al. **Biochem Int** 1985 May;10(5):715-22

Tissue distribution, developmental profiles and effect of denervation of enolase isozymes in rat muscles. Kato K, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):50-8

Rapid changes in levels of individual molecular forms of acetylcholinesterase after denervation of mouse sternocleidomastoid muscle. Goudou D, et al. **Biol Cell** 1985;53(3):251-8

Muscles of adult rats and mice express the Thy-1 glycoprotein on denervation. Booth CM, et al. **Brain Res** 1984 Aug 13;308(2):380-2

Prevention of denervation atrophy in muscle: mammalian neurotrophic factor is not transferrin. Davis HL, et al. **Brain Res** 1984 Sep 10;309(2):293-8

Enzymatic activities in slow and fast denervated old rat muscles. Simard C, et al. **Comp Biochem Physiol [B]** 1985; 81(2):539-42

Effects of KCl-EGTA solution on the isolated Mytilus smooth muscle: a method for denervation. Matsuura M, et al. **Comp Biochem Physiol** [C] 1984;79(2):357-61

Differentiation of fiber types in wing muscles during embryonic development: effect of neural tube removal. Phillips WD, et al. **Dev Biol** 1984 Dec;106(2):457-68

Partial purification from mammalian peripheral nerve of a trophic factor that ameliorates atrophy of denervated muscle. Davis HL, et al. **Exp Neurol** 1985 Jul;89(1):159-71

The detection of denervation-induced structural changes in actin by phalloidin. Borovikov YuS, et al. **Gen Physiol Biophys** 1984 Jun;3(3):277-80

Changes in ascorbic acid content and acetylcholinesterase activity in the muscle of frog following sciatectomy. Somasekhar T, et al. **Indian J Physiol Pharmacol** 1984 Apr-Jun;28(2):97-104

Content and synthesis of glycolytic enzymes in normal, denervated, and dystrophic skeletal muscle fibers. Lebherz HG. **Int J Biochem** 1984;16(12):1201-5 (35 ref.)

Insulin action in denervated skeletal muscle. Evidence that the reduced stimulation of glycogen synthesis does not involve decreased insulin binding. Smith RL, et al. **J Biol Chem** 1985 Jan 10;260(1):273-8

Chronic denervation of rat hemidiaphragm: maintenance of fiber heterogeneity with associated increasing uniformity of myosin isoforms. Carraro U, et al. **J Cell Biol** 1985 Jan; 100(1):161-74

Cellular ions in intact and denervated muscles of the rat. Leader JP, et al. **J Membr Biol** 1984;81(1):19-27

Excitation-contraction coupling and contractile properties in denervated rat EDL and soleus muscles. Dulhunty AF. **J Muscle Res Cell Motil** 1985 Apr;6(2):207-25

Increased cytosolic androgen receptor binding in rat striated muscle following denervation and disuse. Bernard PA, et al. **J Neurochem** 1984 Nov;43(5):1479-83

Motor axon sprouting in frog sartorius muscles is not altered by contralateral axotomy. Herrera AA, et al. **J Neurocytol** 1985 Feb;14(1):145-56

ConA and WGA receptors in rat skeletal muscles. Changes in density, distribution and composition following denervation. Di Iorio G, et al. **J Neurol Sci** 1985 Jan; 67(1):105-14

Phosphorylation of the sarcolemma of dystrophic and normal hamster muscle following denervation. Walkiewicz MJ, et al. **J Neurol Sci** 1985 May-Jun;69(1-2):93-102

Freeze-fracture studies of denervated and tenotomized rat muscle. Sirken SM, et al. **J Neuropathol Exp Neurol** 1985 Mar;44(2):147-55

Development and characteristics of airstepping in chronic spinal cats. Giuliani CA, et al. **J Neurosci** 1985 May; 5(5):1276-82

Muscle denervation increases the levels of two mRNAs coding for the acetylcholine receptor alpha-subunit. Goldman D, et al. **J Neurosci** 1985 Sep;5(9):2553-8

Stimulation of denervated rat soleus muscle with fast and slow activity patterns induces different expression of acetylcholinesterase molecular forms. Lømo T, et al. **J Neurosci** 1985 May;5(5):1180-7

Is a nicotinic influence involved in denervation-induced depolarization of muscle? Rochel S, et al. **J Neurosci** 1985 Sep;5(9):2331-5

Neonatal denervation inhibits the normal postnatal decrease in endplate channel open time. Schuetze SM, et al. **J Neurosci** 1984 Sep;4(9):2297-302

Interaction of inactivity and nerve breakdown products in the origin of acute denervation changes in rat skeletal muscle. Cangiano A, et al. **J Physiol (Lond)** 1984 Oct; 355:345-65

The fate of proliferating cells in skeletal muscle after denervation or tenotomy: an autoradiographic study. McGeachie JK. **Neuroscience** 1985 Jun;15(2):499-506

Changes in the ionic currents sensitivity to inhibitors in twitch rat skeletal muscles following denervation. Duval A, et al. **Pflugers Arch** 1985 Apr;403(4):407-14

Force and membrane potential in acetylcholine and potassium contractures of denervated mouse muscles. Lorković H. **Pflugers Arch** 1985 May;404(1):50-5

Neural cell adhesion molecule (N-CAM) accumulates in denervated and paralyzed skeletal muscles. Covault J, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4544-8

[Variations in the hyperpolarization potential of ethanol on muscle during reinnervation] Bruno C, et al. **Boll Soc Ital Biol Sper** 1984 Jul 31;60(7):1441-5 (Eng. Abstr.) **(Ita)**

[A scanning electron microscopic study of denervated neuromuscular junctions] Matsuda Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Feb;59(2):193-202 (Eng. Abstr.) **(Jpn)**

[Experimental study on free muscle transplantation--histological changes and functional recovery of transplanted muscles in relation to the duration of ischemia and denervation] Yasunaga H. **Nippon Seikeigeka Gakkai Zasshi** 1984 Dec;58(13):1267-79 (Eng. Abstr.) **(Jpn)**

[Muscular hypertrophy in denervation: report of 2 cases with a histochemical and histometric study of normal and hypertrophic muscles] Werneck LC, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):251-61 (Eng. Abstr.) **(Por)**

[Use of combined electric stimulation in experimental injury of nerve trunks] Laskov VB. **Patol Fiziol Eksp Ter** 1984 Nov-Dec;(6):23-6 (Eng. Abstr.) **(Rus)**

METHODS

Preliminary study of the clinical significance of electrodiagnosis with medium frequency stimulation. Nan DK. **Acta Acad Med Wuhan** 1985;5(1):48-53

[Clinical assessment of pyloric sphincter function in different variants of denervation] Naumov VF. **Vestn Khir** 1985 Apr; 134(4):32-7 (Eng. Abstr.) **(Rus)**

MUSCLE DYSTONIA see DYSTONIA

MUSCLE FLACCIDITY see MUSCLE HYPOTONIA

MUSCLE HYPERTONIA

DIAGNOSIS

[Alternating-discrete tonometry in evaluating the efficacy of post-isometric relaxation of local muscle hypertonia] Ivanichev GA, et al. **Zh Nevropatol Psikhiatr** 1985; 85(4):519-23 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Use of tocolytic drugs to reverse oxytocin-induced uterine hypertonus and fetal distress. Lipshitz J, et al. **Obstet Gynecol** 1985 Sep;66(3 Suppl):16S-18S

ETIOLOGY

Tocolysis of eclampsia-associated uterine hypertonus [letter] Kells DN. **Am J Obstet Gynecol** 1985 Jul 1;152(5):608

Reduction of hypertonicity by early casting in a comatose head-injured individual. A case report. Barnard P, et al. **Phys Ther** 1984 Oct;64(10):1540-2

PHYSIOPATHOLOGY

Tension development and muscle activation in the leg during gait in spastic hemiparesis: independence of muscle hypertonia and exaggerated stretch reflexes. Berger W, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1029-33

REHABILITATION

Dynamic splint to reduce the passive component of hypertonicity. McPherson JJ, et al. **Arch Phys Med Rehabil** 1985 Apr;66(4):249-52

VETERINARY

Vertebral fracture, extensor hypertonia of thoracic limbs, and paralysis of pelvic limbs (Schiff-Sherrington syndrome) in an Arabian foal. Chiapetta JR, et al. **J Am Vet Med Assoc** 1985 Feb 15;186(4):387-8

MUSCLE HYPOTONIA

COMPLICATIONS

Multicore disease and Marfan's syndrome: a case report. Pagès M, et al. **Eur Neurol** 1985;24(3):170-5

CONGENITAL

The FG syndrome: 7 new cases. Thompson EM, et al. **Clin Genet** 1985 Jun;27(6):582-94

Congenital fiber type disproportion myopathy. Report of a case with late onset and myalgia. Santoro L, et al. **Clin Pediatr (Phila)** 1985 Apr;24(4):219-20

Evaluation of the hypotonic or floppy infant. Bergen BJ. **Minn Med** 1985 May;68(5):341-7

[Nemaline myopathy: apropos of a case] Sánchez Jacob M, et al. **An Esp Pediatr** 1984 Dec;21(9):831-4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cerebral infantile hypotonia. A developmental study. Lesný I, et al. **Acta Univ Carol [Med] (Praha)** 1984;30(1-2):17-42

Rett syndrome--clinical studies and pathophysiological consideration. Nomura Y, et al. **Brain Dev** 1984;6(5):475-86

Muscle weakness. Neuropathic or myopathic? Kagen LJ. **Hosp Pract [Off]** 1985 Sep 15;20(9):82E, 82F, 82G passim

The hypotonic child not due to neuromuscular causes. Wong HB. **J Singapore Paediatr Soc** 1984;26(1-2):23-9

[Myalgic-adynamic syndrome in infection] Cabell B, et al. **Internist (Berlin)** 1984 Jun;25(6):383-6 **(Ger)**

[Case of Parsonage-Turner syndrome] Marks E. **Wiad Lek** 1984 Jul 15;37(14):1125-6 **(Pol)**

ENZYMOLOGY

Episodic weakness in pyruvate decarboxylase deficiency. Evans OB. **J Pediatr** 1984 Dec;105(6):961-3

[Mitochondrial myopathy associated with cytochrome oxidase deficiency] Sengers RC, et al. **Tijdschr Kindergeneeskd** 1984 Aug;52(4):159-64 (Eng. Abstr.) **(Dut)**

ETIOLOGY

X-linked glycogen storage disease. A cause of hypotonia, hyperuricemia, and growth retardation. Keating JP, et al. **Am J Dis Child** 1985 Jun;139(6):609–13

Improved neurologic function following repair of type I aortic dissection with an intraluminal prosthesis. Heaton JP, et al. **Can J Surg** 1984 Nov;27(6):619–20

Neuromuscular and mental manifestations of hyperparathyroidism in the elderly. Garrell M. **Conn Med** 1985 Jul;49(7):432–3

Traumatic cerebral flaccid paraplegia. Teddy PJ, et al. **Paraplegia** 1984 Oct;22(5):320–4

[Muscle hypotonia in early childhood with special reference to its occurrence in cerebral movement disorders] Ostwaldt F. **Kinderarztl Prax** 1984 Jul;52(7):321–8 (Eng. Abstr.) (Ger)

[Fatigue, muscle weakness] Stimpel M, et al. **Schweiz Rundsch Med Prax** 1985 Apr 9;74(15):384–7 (Eng. Abstr.) (Ger)

[Muscle hypotonia in urinary tract infection and hyperphosphaturia in infants] Bittner K, et al. **Pediatr Pol** 1985 Feb;60(2):133–42 (Pol)

[Myoclonus epilepsy with atonic attacks] Guseva LL, et al. **Pediatriia** 1984 Dec;(12):61–2 (Rus)

FAMILIAL & GENETIC

FG syndrome in a premature male. Bianchi DW. **Am J Med Genet** 1984 Oct;19(2):383–6

Diagnostic definition of the FG syndrome [letter] Dallapiccola B, et al. **Am J Med Genet** 1984 Oct;19(2):379–81

Sensorineural deafness in the FG syndrome: report on four new cases. Neri G, et al. **Am J Med Genet** 1984 Oct;19(2):369–77

A firstborn child with multiple anomalies. Zorn E. **Hosp Pract [Off]** 1984 Oct;19(10):119, 122

PATHOLOGY

Cerebello-brain stem orthochromatic leukodystrophy with floppiness and bulbar paralysis. Kaga M, et al. **Clin Neuropathol** 1984 Jul–Aug;3(4):178–84

Fetal alcohol myopathy. Adickes ED, et al. **Pediatr Pathol** 1983 Oct–Dec;1(4):369–84

PREVENTION & CONTROL

[Rehabilitation exercises as a method of preventing polyneuropathies after vincristine treatment] Zelasko K, et al. **Acta Haematol Pol** 1984 Jan–Jun;15(1–2):21–5 (Eng. Abstr.) (Pol)

REHABILITATION

[Exteroceptive facilitation technics in the rehabilitation of very weak paretic muscles] Gieseler VO, et al. **Acta Belg Med Phys** 1985 Jan–Mar;8(1):77–82 (Eng. Abstr.) (Dut)

THERAPY

[Acupuncture in cases of insufficient uterine involution and endometritis in the puerperium] Vorontsova GM, et al. **Akush Ginekol (Mosk)** 1984 Aug;(8):44–6 (Rus)

VETERINARY

Generalised muscle weakness in the Labrador retriever. McKerrell RE, et al. **Vet Rec** 1984 Sep 15;115(11):276

MUSCLE PROTEINS

Structure of muscle filaments studied by electron microscopy. Amos LA. **Annu Rev Biophys Biophys Chem** 1985;14:291–313 (62 ref.)

Metal-ion binding to parvalbumin. A 113Cd-n.m.r. study of the binding of different lanthanide ions. Drakenberg T, et al. **Biochem J** 1985 May 1;227(3):711–7

Protein mixed-disulfides in cardiac cells. S-thiolation of soluble proteins in response to diamide. Grimm LM, et al. **Biochim Biophys Acta** 1985 Jan 18;844(1):50–4

Structural studies of calcium-binding proteins using nuclear magnetic resonance. Lee L, et al. **Biophys J** 1985 Feb;47(2 Pt 1):139–42

Sequence similarity between epidermal growth factor precursor and atrial natriuretic factor precursor. Hayashida H, et al. **FEBS Lett** 1985 Jun 3;185(1):125–8

Crystal structure study of Opsanus tau parvalbumin by multiwavelength anomalous diffraction. Kahn R, et al. **FEBS Lett** 1985 Jan 1;179(1):133–7

Characterization of skeletal muscle calsequestrin by 1H NMR spectroscopy. Aaron BM, et al. **J Biol Chem** 1984 Oct 10;259(19):11876–81

The structure of C-protein and X-protein molecules and a polymer of X-protein. Bennett P, et al. **J Mol Biol** 1985 Jul 20;184(2):297–309

Abstracts of the Thirteenth European Conference on Muscle and Motility. Gwatt, 23–28 September 1984. **J Muscle Res Cell Motil** 1985 Feb;6(1):53–128

Atrial natriuretic factor. Palluk R, et al. **Life Sci** 1985 Apr 15;36(15):1415–25 (71 ref.)

[Natriuretic factor from the heart atria] Horký K. **Cas Lek Cesk** 1985 Jun 21;124(25):771–7 (Eng. Abstr.) (Cze)

ANALYSIS

A set of actin-filament associated proteins characterized by quantitative two-dimensional gel electrophoresis. Garrels JI, et al. **Adv Exp Med Biol** 1985;182:223–30

The role of actin-binding proteins vinculin, filamin, and fibronectin in intracellular and intercellular linkages in cardiac muscle. Koteliansky VE, et al. **Adv Myocardiol** 1985;5:215–21

Immunohistochemical localization of cardiodilatin in myoendocrine cells of the cardiac atria. Metz J, et al. **Anat Embryol (Berl)** 1984;170(2):123–7

Low molecular weight proteins in human malignant hyperthermic muscle. Blanck TJ, et al. **Anesthesiology** 1984 Nov;61(5):589–92

Molecular forms of immunoactive atrial natriuretic peptide in the rat hypothalamus and atrium. Glembotski CC, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):671–8

Occurrence of atrial natriuretic polypeptide in brain. Morii N, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):413–9

Detection of caldesmon in muscle and non-muscle tissues of the chicken using polyclonal antibodies. Ngai PK, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):533–9

Atrial natriuretic factor in rat hypothalamus, atria and plasma: determination by specific radioimmunoassay. Tanaka I, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):663–8

Functional relationship of ammonia with RNA, DNA, and protein in rat muscle. Ghori MI, et al. **Biochem Med** 1985 Jun;33(3):284–90

Relationship between the concentration of myoglobin and parvalbumin in various types of muscle tissues from chickens. Nishida J, et al. **Br Poult Sci** 1985 Jan;26(1):105–15

Vinculin in cultured bovine lens-forming cells. Lehto VP, et al. **Cell Differ** 1985 May;16(3):153–60

Ultrastructural localization of the calcium-binding protein parvalbumin in neurons of the song system of the zebra finch, Poephila guttata. Zuschratter W, et al. **Cell Tissue Res** 1985;241(1):77–83

Biochemical studies of rat atrial natriuretic factor. Inagami T, et al. **Clin Exp Hypertens [A]** 1985;7(5–6):851–67

Protein phenotype and gene expression in the rat perineal levator ani muscle. Gagnon J, et al. **Comp Biochem Physiol [B]** 1985;80(2):279–86

Parvalbumin exists in rat endocrine glands. Endo T, et al. **Endocrinology** 1985 Aug;117(2):527–31

Expression of meta-vinculin associated with differentiation of chicken embryonal muscle cells. Saga S, et al. **Exp Cell Res** 1985 Jan;156(1):45–56

Atrial natriuretic factor in Dahl rats. Atrial content and renal and aortic responses. Snajdar RM, et al. **Hypertension** 1985 Sep–Oct;7(5):775–82

Alterations in skeletal muscle proteins in obese and nonobese rats. Lanza-Jacoby S, et al. **Int J Obes** 1984;8(5):451–6

Analyses of muscle proteins in a patient with a mitochondrial myopathy. Darley-Usmar VM, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1767–75

Proteolytic fragments of connectin cause aggregation of myosin filaments but not of actin filaments. Kimura S, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1947–50

Connectin filaments in stretched skinned fibers of frog skeletal muscle. Maruyama K, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1391–7

Properties of the muscle proteins—a comparative approach. Perry SV. **J Exp Biol** 1985 Mar;115:31–42

Heterogeneity of myofibrillar proteins in lobster fast and slow muscles: variants of troponin, paramyosin, and myosin light chains comprise four distinct protein assemblages. Mykles DL. **J Exp Zool** 1985 Apr;234(1):23–32

Localization of immunoreactive synthetic atrial natriuretic factor (ANF) in the heart of various animal species. Chapeau C, et al. **J Histochem Cytochem** 1985 Jun;33(6):541–50

Immunocytochemical localization of atrial natriuretic factor in the kidney, adrenal medulla, pituitary, and atrium of rat. McKenzie JC, et al. **J Histochem Cytochem** 1985 Aug;33(8):828–32

Arthrin: a new actin-like protein in insect flight muscle. Bullard B, et al. **J Mol Biol** 1985 Apr 5;182(3):443–54

Location of C-protein, H-protein and X-protein in rabbit skeletal muscle fibre types. Starr R, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):227–56

Parvalbumin in human brain. Berchtold MW, et al. **J Neurochem** 1985 Jul;45(1):235–9

Analysis of structural proteins from biopsied human myocardium with special emphasis on methodology. Katagiri T, et al. **Jpn Heart J** 1984 Sep;25(5):733–43

Structural proteins of the opaque muscle fibers in Duchenne muscular dystrophy. Uchino M, et al. **Neurology** 1985 Sep;35(9):1364–7

[The contractile proteins of upper urinary tract smooth muscle and response of their contents to chronic ureteral obstruction] Iwata K. **Nippon Hinyokika Gakkai Zasshi** 1984 May;75(5):836–46 (Eng. Abstr.) (Jpn)

[Differentiation of muscle proteins and their significance] Masaki T. **Nippon Rinsho** 1985 May;43(5):1055–64 (36 ref.) (Jpn)

[Structural proteins of the opaque muscle fibers in Duchenne muscular dystrophy] Uchino M, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):166–70 (Eng. Abstr.) (Jpn)

[Structural changes in muscle fiber contractile proteins studied by polarization ultraviolet fluorescence microscopy. VIII. The effect of glutaraldehyde and phalloidine on F-actin conformation] Borovikov IuS. **Tsitologiia** 1984 Nov;26(11):1262–6 (Eng. Abstr.) (Rus)

BIOSYNTHESIS

Effects of denervation and protein synthesis inhibitors on amino acid transport in the rat diaphragm. Mamatas SC, et al. **Acta Physiol Scand** 1985 Apr;123(4):507–9

Induction of incoordinate synthesis of muscle proteins by the tumor promoter TPA and the carcinogen EMS. Holtzer H, et al. **Adv Exp Med Biol** 1985;182:179–92

Influences of testosterone on contractile proteins of the guinea pig temporalis muscle. Kelly A, et al. **Adv Exp Med Biol** 1985;182:155–68

Dependence of protein synthesis on aortic pressure and calcium availability. Gordon EE, et al. **Adv Myocardiol** 1985;5:145–56

Ethanol and cardiac protein synthesis. Schreiber SS, et al. **Adv Myocardiol** 1985;5:123–35

In vivo estimation of muscle protein synthesis in myotonic dystrophy. Halliday D, et al. **Ann Neurol** 1985 Jan;17(1):65–9

Interrelation between salvage of purine nucleotides and protein synthesis in rat heart cells. Ravid K, et al. **Arch Biochem Biophys** 1985 Jan;236(1):159–66

Effects of starvation, diabetes and acute insulin treatment on the regulation of polypeptide-chain initiation in rat skeletal muscle. Harmon CS, et al. **Biochem J** 1984 Nov 1;223(3):687–96

Insulin sensitivity and responsiveness of epitrochlearis and soleus muscles from fed and starved rats. Recognition of differential changes in insulin sensitivities of protein synthesis and glucose incorporation into glycogen. Stirewalt WS, et al. **Biochem J** 1985 Apr 15;227(2):355–62

Suppression of 1,25-dihydroxy-vitamin D3-dependent calcium transport by protein synthesis inhibitors and changes in phospholipids in skeletal muscle. de Boland AR, et al. **Biochim Biophys Acta** 1985 May 30;845(2):237–41

Function of ribosomes and glutamyl-tRNA isoacceptors in protein synthesis in regenerating skeletal muscle. Jones GH. **Biochim Biophys Acta** 1985 Apr 19;824(4):324–9

Characteristics of growth and protein synthesis in skeletal muscles of normal and dystrophic chickens. Kang CW, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):1–8

Protein synthesis in compensatory hypertrophy of rat plantaris. Noble EG, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1178–82

Protein synthesis in isolated perfused rat skeletal muscle. Contribution of intra- and extracellular amino acid pools. Ward LC, et al. **Int J Biochem** 1984;16(10):1077–81

Relative roles of polysomes and cytoplasmic enzymes in regulating bovine skeletal muscle protein synthesis. Bjercke RJ, et al. **J Anim Sci** 1984 Sep;59(3):684–96

Development of methods to measure activity of polysomes and cytoplasmic enzymes from bovine skeletal muscle in in vitro protein-synthesis assays. Bjercke RJ, et al. **J Anim Sci** 1984 Sep;59(3):666–83

Independent synthesis of phospholipid and the intrinsic proteins of the sarcoplasmic reticulum. Cornell R, et al. **J Biol Chem** 1985 Jan 25;260(2):1290–5

Overlapping but not identical protein synthetic domains in cardiovascular cells in response to glucocorticoid hormones. Nichols NR, et al. **J Hypertens** 1984 Dec;2(6):663–9

Time course of changes in protein synthesis in marcaine-induced skeletal muscle regeneration. Jones GH. **Mech Ageing Dev** 1984 Oct 31;27(3):373–81

Regulation of creatine kinase induction in differentiating mouse myoblasts. Chamberlain JS, et al. **Mol Cell Biol** 1985 Mar;5(3):484–92

Muscle protein synthesis and growth of two strains of chicks vaccinated for Newcastle disease and infectious bronchitis. Hentges EJ, et al. **Poult Sci** 1984 Sep;63(9):1738–41

Effects of adriamycin on the macromolecular synthesis in rat myocardiocytes and KB cells. Okano C, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug;45(2):279–88

[Effect of denervation on the membrane potential and RNA and protein synthesis in the skeletal muscle fibers of animals of various ages] Iasechko AV. **Fiziol Zh** 1984 Nov–Dec;30(6):721–3 (Rus)

BLOOD

Effect of blood volume expansion and sympathetic denervation on plasma levels of atrial natriuretic factor (ANF) in the rat. Pettersson A, et al. **Acta Physiol Scand** 1985 Jun;124(2):309–11

Immunoreactive atrial natriuretic factor (IR-ANF) in human plasma. Gutkowska J, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1350–7

Effect of different anesthetics on immunoreactive atrial natriuretic factor concentrations in rat plasma. Horký K, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):651–7

Radioimmunoassay of atrial natriuretic factor: human plasma levels. Larose P, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):553–8

Alpha-human atrial natriuretic polypeptide is released from the heart and circulates in the body. Sugawara A, et al.

Biochem Biophys Res Commun 1985 Jun 14;129(2):439–46

Identification of a biologically active circulating form of rat atrial natriuretic factor. Thibault G, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):981–6

Isolation and partial characterization of human platelet vinculin. Rosenfeld GC, et al. **J Cell Biol** 1985 Mar; 100(3):669–76

Atrial natriuretic peptide concentrations in blood from right atrium in patient with severe right heart failure [letter] Hartter E, et al. **Lancet** 1985 Jul 13;2(8446):93–4

Atrial natriuretic peptide in plasma of volume-overloaded children with chronic renal failure. Rascher W, et al. **Lancet** 1985 Aug 10;2(8450):303–5

Plasma atrial natriuretic peptide in cardiac disease and during infusion in healthy volunteers. Tikkanen I, et al. **Lancet** 1985 Jul 13;2(8446):66–9

Atrial natriuretic peptide in paroxysmal supraventricular tachycardia [letter] Tikkanen I, et al. **Lancet** 1985 Jul 6; 2(8445):40–1

Plasma levels of atrial natriuretic factor in patients with congestive heart failure [letter] Nakaoka H, et al. **N Engl J Med** 1985 Oct 3;313(14):892–3

Plasma concentration of atrial natriuretic factor in a patient with paroxysmal atrial tachycardia [letter] Schiffrin EL, et al. **N Engl J Med** 1985 May 2;312(18):1196–7

GENETICS

Muscle gene expression in heterokaryons. Blau HM, et al. **Adv Exp Med Biol** 1985;182:231–47

Recombinant DNA approaches in the investigation of muscle gene expression. Introduction. Epstein HF. **Adv Exp Med Biol** 1985;182:283–5

Regulating expression of protein isoforms. Overview. Fischman DA, et al. **Adv Exp Med Biol** 1985;182:203–14

Gene expression in muscle. Summary and synthesis. Howell RR. **Adv Exp Med Biol** 1985;182:359–61

Multigene families, differential transcription and differential splicing: different origin of contractile isoproteins in muscle. Strehler EE. **Adv Exp Med Biol** 1985;182:345–55

The chromosomal assignment of muscle-specific genes. Yaffe D, et al. **Adv Exp Med Biol** 1985;182:295–307

Cloning of genomic DNA for human atrial natriuretic factor. Maki M, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):797–802

The flightless Drosophila mutant raised has two distinct genetic lesions affecting accumulation of myofibrillar proteins in flight muscles. Mahaffey JW, et al. **Cell** 1985 Jan;40(1):101–10

Cell surface differentiation antigen of human muscle encoded by a gene (MIC12) on chromosome 15. Walsh FS, et al. **Cytogenet Cell Genet** 1985;39(1):51–6

High-level expression in Escherichia coli of calcium-binding domains of an embryonic sea urchin protein. Muesing M, et al. **Gene** 1984 Nov;31(1–3):155–64

Molecular studies of the atrial natriuretic factor gene. Seidman CE, et al. **Hypertension** 1985 May–Jun;7(3 Pt 2):I31–4

The gene for rat atrial natriuretic factor. Argentin S, et al. **J Biol Chem** 1985 Apr 25;260(8):4568–71

Nucleotide sequence of the gene encoding human atrial natriuretic factor precursor. Greenberg BD, et al. **Nature** 1984 Dec 13–19;312(5995):656–8

Identification of rat gamma atrial natriuretic polypeptide and characterization of the cDNA encoding its precursor. Kangawa K, et al. **Nature** 1984 Nov 8–14;312(5990):152–5

Gene structure of human cardiac hormone precursor, pronatriodilatin. Nemer M, et al. **Nature** 1984 Dec 13–19; 312(5995):654–6

The Ca2+-binding protein parvalbumin: molecular cloning and developmental regulation of mRNA abundance. Berchtold MW, et al. **Proc Natl Acad Sci USA** 1985 Mar; 82(5):1414–8

Developmentally regulated expression of a chicken muscle-specific gene in stably transfected rat myogenic cells. Nudel U, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3106–9

Molecular cloning and characterization of DNA sequences encoding rat and human atrial natriuretic factors. Zivin RA, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6325–9

Alignment of rat cardionatrin sequences with the preprocardionatrin sequence from complementary DNA. Flynn TG, et al. **Science** 1985 Apr 19;228(4697):323–5

IMMUNOLOGY

Cardiodilatin-immunoreactive neurons in the hypothalamus of Tupaia. Forssmann WG, et al. **Anat Embryol (Berl)** 1985; 172(1):1–5

Multiple proteins related to the soluble galactose-binding animal lectin revealed by a monoclonal anti-lectin antibody. Carding SR, et al. **Biochem J** 1985 May 15; 228(1):147–53

Monoclonal antibodies to intermediate filaments in chick muscle cell cultures. Morris GE, et al. **Exp Cell Res** 1985 May;158(1):177–91

Immunocytochemical localization of the mammalian voltage-dependent sodium channel using polyclonal antibodies against the purified protein. Haimovich B, et al. **J Neurosci** 1984 Sep;4(9):2259–68

ISOLATION & PURIFICATION

On a basic 31 kDa muscle membrane protein in cattle and pig, presumably equivalent to the class II antigen associated p31 molecule. Thinnes FP, et al. **Anim Blood Groups Biochem Genet** 1984;15(3):181–9

The auricular myocardiocytes of the heart constitute an endocrine organ. Characterization of a porcine cardiac peptide hormone, cardiodilatin-126. Forssmann WG, et al. **Cell Tissue Res** 1984;238(3):425–30

Human and rat atrial natriuretic polypeptides (hANP & rANP) purification, structure and biological activity. Matsuo H, et al. **Clin Exp Hypertens [A]** 1984; 6(10–11):1717–22

Paratropomyosin: a new myofibrillar protein that modifies the actin-myosin interaction in postrigor skeletal muscle. I. Preparation and characterization. Takahashi K, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1043–51

Isolation and characterization of a Mr = 38,000 protein from differentiating smooth muscle cells. Millis AJ, et al. **J Biol Chem** 1985 Mar 25;260(6):3754–61

Structure of C protein purified from cardiac muscle. Hartzell HC, et al. **J Cell Biol** 1985 Jan;100(1):208–15

Purification and properties of native titin. Trinick J, et al. **J Mol Biol** 1984 Dec 5;180(2):331–56

Separation and qualitative recovery of major proteins from a single sample of skeletal muscle. Malin EL, et al. **Prep Biochem** 1984 Aug;14(3):281–302

Solubilization of fish muscle proteins with buffers containing sodium dodecyl sulfate. Rehbein H, et al. **Z Lebensm Unters Forsch** 1985 May;180(5):373–8

[A new myofibrillar protein from the skeletal musculature of the rabbit] Printsev MD, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):428–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Protein turnover in different types of skeletal muscle during experimental hyperthyroidism in rats. Angerås U, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):90–5

The effect of exercise and fasting on the myocardial protein and lipid metabolism in experimental bacterial myocarditis. Ilbäck NG, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jul; 92(4):195–204

Alterations in phenotype expression of muscle by chronic nerve stimulation. Pette D, et al. **Adv Exp Med Biol** 1985; 182:169–77

Parvalbumin reduction in relation to possible perturbations of Ca2+-homeostasis in muscular dystrophy. Pette D, et al. **Adv Exp Med Biol** 1985;182:265–7

The effects of hormonal factors on cardiac protein turnover. Sugden PH. **Adv Myocardiol** 1985;5:105–21 (93 ref.)

The role of lysosomes and microtubules in cardiac protein degradation. Wildenthal K, et al. **Adv Myocardiol** 1985; 5:137–44

Muscle protein turnover: effects of exercise training and renal insufficiency. Davis TA, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):E337–45

Perinatal nutritional modification of weanling rat heart contractile protein. Dowell RT, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H967–72

Parvalbumin conformers revealed by steady-state and time-resolved fluorescence spectroscopy. Permyakov EA, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):781–91

Atriopeptin release from the isolated perfused rabbit heart. Currie MG, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):711–7

Specific binding sites for atrial natriuretic peptide (ANP) in cultured mesenchymal nonmyocardial cells from rat heart. Hirata Y, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):222–9

Specific receptors for atrial natriuretic factor (ANF) in cultured vascular smooth muscle cells of rat aorta. Hirata Y, et al. **Biochem Biophys Res Commun** 1984 Dec 14; 125(2):562–8

Photoaffinity labeling of atrial natriuretic factor receptor in bovine and rat adrenal cortical membranes. Misono KS, et al. **Biochem Biophys Res Commun** 1985 Aug 15; 130(3):994–1001

Existence of atrial natriuretic polypeptide in kidney. Sakamoto M, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1281–7

Atrial natriuretic polypeptides (ANP): rat atria store high molecular weight precursor but secrete processed peptides of 25–35 amino acids. Vuolteenaho O, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):82–8

Variation among chicken stocks in the fractional rates of muscle protein synthesis and degradation. Maeda Y, et al. **Biochem Genet** 1984 Aug;22(7–8):687–700

The effect of tetrodotoxin on mammalian sarcolemmal proteins and glycoproteins. Jeffrey PL, et al. **Biochem Int** 1985 May;10(5):715–22

Extracellular-matrix synthesis by skeletal muscle in culture. Major secreted collagenous proteins of clonal myoblasts. Beach RL, et al. **Biochem J** 1985 Feb 1;225(3):619–27

Amino acid metabolism by perfused rat hindquarter. Effects of insulin, leucine and 2-chloro-4-methylvalerate. Davis EJ, et al. **Biochem J** 1985 Jul 1;229(1):19–29

The rate of protein degradation in isolated skeletal muscle does not correlate with reduction-oxidation status. Fagan JM, et al. **Biochem J** 1985 May 1;227(3):689–94

Phosphorylation and functional modifications of sarcoplasmic reticulum and myofibrils in isolated rabbit hearts stimulated with isoprenaline. Kranias EG, et al. **Biochem J** 1985 Feb 15;226(1):113–21

Rat skin calcium-binding protein is parvalbumin. MacManus JP, et al. **Biochem J** 1985 Jul 1;229(1):39–45

Specificity of the effects of leucine and its metabolites on protein degradation in skeletal muscle. Mitch WE, et al. **Biochem J** 1984 Sep 15;222(3):579–86

The effect of synthetic analogues of chymostatin upon protein degradation in isolated skeletal muscle. Mulligan MT, et al. **Biochem J** 1985 Jul 15;229(2):491–7

Myofibrillar-protein isoforms and sarcoplasmic-reticulum Ca2+-transport activity of single human muscle fibres. Salviati G, et al. **Biochem J** 1984 Nov 15;224(1):215–25

Mechanism of postmortem autolysis of skeletal muscle. Takeichi S, et al. **Biochem Med** 1984 Dec;32(3):341–8

Action of ADP and ethanol on muscle proteins in vitro. Ishii Y, et al. **Biochem Pharmacol** 1985 Jan 15;34(2):203–10

Association of chicken pectoralis muscle phosphorylase with the Z-line and the M-line of myofibrils: comparison with 'amorphin', the amorphous component of the Z-line. Maruyama K, et al. **Biochim Biophys Acta** 1985 Jun 10; 829(2):229–37

Prostaglandin E2 and muscle protein turnover in Pseudomonas aeruginosa sepsis. Turinsky J, et al. **Biochim Biophys Acta** 1985 May 29;840(1):137–40

The mode of action of anabolic agents: the effect of testosterone on muscle protein metabolism in the female rat. Martinez JA, et al. **Br J Nutr** 1984 Nov;52(3):515–21

Muscle protein turnover and the wasting due to injury and disease. Rennie MJ. **Br Med Bull** 1985 Jul;41(3):257–64 (97 ref.)

Vascular and adrenal receptors for atrial natriuretic factor in the rat. Schiffrin EL, et al. **Circ Res** 1985 Jun;56(6):801–7

Cardiac hormones: morphological and functional aspects. Forssmann WG, et al. **Clin Exp Hypertens [A]** 1984; 6(10–11):1873–8

Pharmacology and receptor binding of atrial natriuretic factor in vascular smooth muscle. Winquist RJ, et al. **Clin Exp Hypertens [A]** 1985;7(5–6):869–86

Thin filament proteins and thin filament-linked regulation of vertebrate muscle contraction. Leavis PC, et al. **CRC Crit Rev Biochem** 1984;16(3):235–305 (444 ref.)

Adhesiveness and distribution of vinculin and spectrin in retinal pigmented epithelial cells during growth and differentiation in vitro. Opas M, et al. **Dev Biol** 1985 Feb; 107(2):269–80

Muscle protein turnover in the perfused hindquarters of lean and genetically obese-diabetic (db/db) mice. Shargill NS, et al. **Diabetes** 1984 Dec;33(12):1160–4

Geometry of actin-membrane attachments in the smooth muscle cell: the localisations of vinculin and alpha-actinin. Small JV. **EMBO J** 1985 Jan;4(1):45–9

Modulating influence of D,L-propranolol on triiodothyronine-induced skeletal muscle protein degradation. Miller JL, et al. **Endocrinology** 1985 Sep; 117(3):869–71

Dehydration-induced alterations in rat brain vasopressin and atrial natriuretic factor immunoreactivity. Samson WK. **Endocrinology** 1985 Sep;117(3):1279–81

Increased protein degradation after eccentric exercise. Kasperek GJ, et al. **Eur J Appl Physiol** 1985;54(1):30–4

Morphological integrity of single adult cardiac myocytes isolated by collagenase treatment: immunolocalization of tubulin, microtubule-associated proteins 1 and 2, plectin, vimentin, and vinculin. Zernig G, et al. **Eur J Cell Biol** 1985 Jul;38(1):113–22

Autoradiographic localization of atriopeptin III receptors in rat kidney. Murphy KM, et al. **Eur J Pharmacol** 1985 May 8;111(2):291–2

Irreversible inhibition of phospholipid methylation and protein carboxymethylation does not alter acetylcholine receptor function in muscle cells. Magilen G, et al. **Exp Neurol** 1984 Nov;86(2):198–207

Phosphoprotein phosphatase inhibitor-2 is phosphorylated at both serine and threonine residues in mouse diaphragm. DePaoli-Roach AA, et al. **FEBS Lett** 1985 Apr 22; 183(2):423–9

Modulation of a major 30-kDa skeletal muscle protein by thyroid hormone. Gagnon J, et al. **FEBS Lett** 1985 Jan 28;180(2):335–40

The roles of intrinsic kinase and of kinase/activator protein in the enhanced phosphorylation of pyruvate dehydrogenase complex in starvation. Kerbey AL, et al. **FEBS Lett** 1984 Oct 15;176(1):115–9

Purification of a 175-kDa membrane protein, its localization in smooth and cardiac muscles. Interaction with cytoskeletal protein – vinculin. Koteliansky VE, et al. **FEBS Lett** 1985 Mar 11;182(1):67–72

A calorimetric study of Ca2+ binding to two major isotypes of bullfrog parvalbumin. Tanokura M, et al. **FEBS Lett** 1985 Jun 3;185(1):165–9

Control of adaptations in protein levels in response to exercise. Booth FW, et al. **Fed Proc** 1985 Apr; 44(7):2293–300 (64 ref.)

Secondary structure of heart sarcolemmal proteins during interaction with metallic cofactors of (Na+ + K+)-ATPase. Vrbjar N, et al. **Gen Physiol Biophys** 1984 Aug;3(4):317–25

Radioautographic localization of 1251-atrial natriuretic factor (ANF) in rat tissues. Bianchi C, et al. **Histochemistry** 1985; 82(5):441–52

Lipid-protein interaction causing denaturation of frozen rohu myofibrillar proteins--probable role of cryoprotective agents. Rao SB. **Indian J Biochem Biophys** 1984 Aug;

21(4):278–80

Influence of exercise and Dianabol on the degradation rate of myofibrillar proteins of the heart and three fiber types of skeletal muscle of female guinea pigs. Morano I. **Int J Sports Med** 1984 Dec;5(6):317–9

Growth, N tau–methylhistidine excretion and muscle protein degradation in growing beef steers. Gopinath R, et al. **J Anim Sci** 1984 Nov;59(5):1262–9

Buffering capacity of deproteinized human vastus lateralis muscle. Parkhouse WS, et al. **J Appl Physiol** 1985 Jan;58(1):14–7

Static and kinetic studies on carp muscle parvalbumins. Iio T, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):321–8

Interactions of muscle beta–connectin with myosin, actin, and actomyosin at low ionic strengths. Kimura S, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):499–506

I–protein is localized at the junctional region of A–bands and I–bands of chicken fresh myofibrils. Ohashi K, et al. **J Biochem (Tokyo)** 1985 May;97(5):1323–8

Phosphorylation of purified cardiac muscle C–protein by purified cAMP–dependent and endogenous Ca2 + –calmodulin–dependent protein kinases. Hartzell HC, et al. **J Biol Chem** 1984 Dec 25;259(24):15587–96

Luminescence studies of lanthanide ion binding to parvalbumin. Henzl MT, et al. **J Biol Chem** 1985 Jul 15;260(14):8447–55

Identification of a receptor for atrial natriuretic factor in rabbit aorta membranes by affinity cross–linking. Vandlen RL, et al. **J Biol Chem** 1985 Sep 15;260(20):10889–92

Platelet–derived growth factor–induced alterations in vinculin and actin distribution in BALB/c–3T3 cells. Herman B, et al. **J Cell Biol** 1985 Apr;100(4):1031–40

Ultrastructural localization of calsequestrin in adult rat atrial and ventricular muscle cells. Jorgensen AO, et al. **J Cell Biol** 1985 Jul;101(1):257–68

Vinculin in subsarcolemmal densities in chicken skeletal muscle: localization and relationship to intracellular and extracellular structures. Shear CR, et al. **J Cell Biol** 1985 Jul;101(1):240–56

Protein metabolism in skeletal muscle tissue from hyperthyroid patients after preoperative treatment with antithyroid drug or selective beta–blocking agent. Results from a prospective, randomized study. Hasselgren PO, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):835–9

Effect of forskolin on phosphorylation of a 25,000 Mr protein in perfused guinea pig hearts. Fliegel L, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985;10(3):259–67

Multiple cardiac contractile protein abnormalities in myopathic Syrian hamsters (BIO 53 : 58). Malhotra A, et al. **J Mol Cell Cardiol** 1985 Feb;17(2):95–107

Changes in cardiac ultrastructure and myofibrillar proteins during ischemia in dogs, with special reference to changes in Z lines. Sashida H, et al. **J Mol Cell Cardiol** 1984 Dec;16(12):1161–72

Skeletal muscle protein turnover in young male pigs. Mulvaney DR, et al. **J Nutr** 1985 Aug;115(8):1057–64

The functional nature of calcium binding units in calmodulin, troponin C and parvalbumin. Reid RE. **J Theor Biol** 1985 Jun 7;114(3):353–74

Studies on exercise and an elastic protein 'connectin' in hindlimb muscle of growing rat. Yamaguchi M, et al. **Jpn J Physiol** 1985;35(1):21–32

Characterization of specific receptors for atrial natriuretic factor in bovine adrenal zona glomerulosa. De Léan A, et al. **Life Sci** 1984 Dec 3;35(23):2311–8

Effects of changes in water–sodium balance on levels of atrial natriuretic factor messenger RNA and peptide in rats. Takayanagi R, et al. **Life Sci** 1985 May 13;36(19):1843–8

Influence of clofibrate on thyroid hormone and muscle protein turnover. Lehotay DC, et al. **Metabolism** 1984 Nov;33(11):1048–51

Hyperosmolality and transcapillary fluid and protein movement in skeletal muscle. Friedman JJ. **Microvasc Res** 1985 May;29(3):340–9

Increased phosphorylation of tyrosine in vinculin does not occur upon transformation by some avian sarcoma viruses. Antler AM, et al. **Mol Cell Biol** 1985 Jan;5(1):263–7

Specific binding sites for atrial natriuretic factor in the human kidney [letter] Mantyh CR, et al. **N Engl J Med** 1985 Jun 27;312(26):1710

Inhibition of compound 48/80––induced vascular protein leakage by pretreatment with capsaicin and a substance P antagonist. Saria A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):9–15

Atrial natriuretic factor (ANF) binding sites in brain and related structures. Quirion R, et al. **Peptides (Fayetteville)** 1984 Nov–Dec;5(6):1167–72

Characterization and localization of atriopeptin in rat atrium. Tang J, et al. **Peptides (Fayetteville)** 1984 Nov–Dec;5(6):1173–7

Characteristics of growth and protein turnover in skeletal muscle of turkey poults. Kang CW, et al. **Poult Sci** 1985 Feb;64(2):380–7

Growth and protein turnover in the skeletal muscles of broiler chicks. Kang CW, et al. **Poult Sci** 1985 Feb;64(2):370–9

Regulation of protein degradation in chick muscle by several hormones and metabolites. Klasing KC, et al. **Poult Sci** 1985 Apr;64(4):694–9

Relationship of the redox state to muscle protein degradation. Tischler ME, et al. **Prog Clin Biol Res** 1985;180:363–72

Endogenous 3–methylhistidine excretion in healthy women and men with reference to muscle protein metabolism. Neuhäuser M, et al. **Z Ernahrungswiss** 1984 Sep;23(3):171–80

On the role of branched–chain amino acids in protein turnover of skeletal muscle. Studies in vivo with L–norleucine. Schott KJ, et al. **Z Naturforsch [C]** 1985 May–Jun;40(5–6):427–37

[Inhibition of postoperative muscular proteolysis by sodium alpha–ketoisocaproate: does a dose–effect relation exist?] François G, et al. **Ann Fr Anesth Reanim** 1985;4(4):351–4 (Eng. Abstr.) **(Fre)**

[Urinary excretion of 3–methylhistidine. Value and application to the study of protein catabolism] Richard JL, et al. **Presse Med** 1985 Jan 19;14(2):91–4 (Eng. Abstr.) **(Fre)**

[Effects of continuous body stress and methandienone on the degradation of myofibrillar proteins in the guinea pig heart and soleus muscle] Morano I, et al. **Arzneimittelforsch** 1985;35(2):501–3 (Eng. Abstr.) **(Ger)**

[3–Methylhistidine as a parameter for the determination of muscle proteolysis in the post–stress syndrome and in diabetes mellitus] Buchholz–Wimmer GB, et al. **Infusionsther Klin Ernahr** 1984 Jun;11(3):168–74 (Eng. Abstr.) **(Ger)**

[Biochemical studies on experimental chloroquine myopathy] Sano M. **Rinsho Shinkeigaku** 1985 May;25(5):627–35 (Eng. Abstr.) **(Jpn)**

[Rate of incorporation of lysine supplementing low–quality dietary protein into muscle proteins in rats] Raczyński G. **Rocz Panstw Zakl Hig** 1984;35(2):153–60 (Eng. Abstr.) **(Pol)**

[Changes in the protein mass and ploidy level of the myocytes in the mouse heart] Delone GV, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):364–6 (Eng. Abstr.) **(Rus)**

[Pharmacological correction of disordered function of the myocardial contractile proteins] Shevchenko AI. **Farmakol Toksikol** 1984 Nov–Dec;47(6):43–6 (Eng. Abstr.) **(Rus)**

[Protein metabolism in the muscles after work] Viru AA, et al. **Fiziol Zh SSSR** 1984 Dec;70(12):1624–8 (Eng. Abstr.) **(Rus)**

[Myocardial protein metabolism in different periods of experimental hypokinesia in rats] Shitov GD, et al. **Patol Fiziol Eksp Ter** 1984 Jul–Aug;(4):36–40 **(Rus)**

[Phosphorylation of cardiac sarcolemma proteins in isadrine myocarditis] Antipenko AE, et al. **Ukr Biokhim Zh** 1985 Jul–Aug;57(4):15–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of auriculin (atrial natriuretic factor) on blood pressure, renal function, and the renin–aldosterone system in dogs. Maack T, et al. **Am J Med** 1984 Dec;77(6):1069–75

Effects of synthetic atrial natriuretic factor on renal function and renin release. Burnett JC Jr, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):F863–6

Renal response to atrial natriuretic factor in conscious dogs with caval constriction. Freeman RH, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):R495–500

Synthetic atrial natriuretic factor decreases renal tubular phosphate reabsorption in rats. Hammond TG, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F315–8

Atriopeptins: renal–specific vasodilators in conscious dogs. Hintze TH, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):H587–91

Atrial extract: hemodynamics in Wistar–Kyoto and spontaneously hypertensive rats. Pegram BL, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H265–71

Atriopeptin stimulation of rectal gland function in Squalus acanthias. Solomon R, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):R348–54

Atriopeptins: correlation between renal vasodilation and natriuresis. Wakitani K, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):F49–53

Lack of effect of synthetic atrial natriuretic factor on rubidium uptake by human erythrocytes. Hernando N, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1066–71

Atrial natriuretic factor increases cyclic GMP and inhibits cyclic AMP in rat renal papillary collecting tubule cells in culture. Ishikawa S, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1147–53

Differential structure–activity relationships of atrial peptides as natriuretics and renal vasodilators in the dog. Katsube N, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):325–30

Inhibition of aldosterone production by alpha–human atrial natriuretic polypeptide is associated with an increase in cGMP production. Matsuoka H, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):1052–6

Atrial natriuretic peptides stimulate renal gluconeogenesis. Obara T, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):833–9

Lack of inhibition by atrial natriuretic factor on cyclic AMP levels in single nephron segments and the glomerulus. Umemura S, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):943–9

Atriopeptin II elevates cyclic GMP, activates cyclic GMP–dependent protein kinase and causes relaxation in rat thoracic aorta. Fiscus RR, et al. **Biochim Biophys Acta** 1985 Jul 30;846(1):179–84

Effects of atriopeptin on particulate guanylate cyclase from rat adrenal. Waldman SA, et al. **Biochim Biophys Acta** 1985 May 30;845(2):298–303

Cardiovascular effects of atrial extracts in anesthetized rats. Ackermann U, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):819–26

Renal responses to atrial natriuretic factor during converting enzyme inhibition. Wang SL, et al. **Can J Physiol Pharmacol** 1985 Mar;63(3):220–3

Inhibition of aldosterone biosynthesis by atriopeptins in rat adrenal cells. Campbell WB, et al. **Circ Res** 1985 Jul;57(1):113–8

Failure of atriopeptin II to cause arterial vasodilation in the conscious rat. Lappe RW, et al. **Circ Res** 1985 Apr;56(4):606–12

Comparative vascular pharmacology of the atriopeptins. Wakitani K, et al. **Circ Res** 1985 Apr;56(4):621–7

Atrial natriuretic factor inhibits the hypertension induced by chronic infusion of norepinephrine in conscious rats. Yasujima M, et al. **Circ Res** 1985 Sep;57(3):470–4

Effects of synthetic atrial natriuretic peptide on renal function and renin release in acute experimental heart failure. Scriven TA, et al. **Circulation** 1985 Oct;72(4):892–7

Accelerated natriuresis induced by synthetic atrial natriuretic polypeptide in spontaneously hypertensive rats. Kihara M, et al. **Clin Exp Hypertens [A]** 1985;7(4):539–51

Effects of high and low molecular weight atrial natriuretic factor in the isolated kidney. Raine AE, et al. **Clin Exp Hypertens [A]** 1984;6(10–11):1863–6

Renal and systemic effects of atrial natriuretic factor. Seymour AA. **Clin Exp Hypertens [A]** 1985;7(5–6):887–906

Biological activity of a synthetic alpha–human atrial natriuretic polypeptide in anesthetized dogs. Yukimura T, et al. **Clin Exp Hypertens [A]** 1984;6(10–11):1723–6

Atrial natriuretic factor inhibits the stimulation of aldosterone secretion by angiotensin II, ACTH and potassium in vitro and angiotensin II–induced steroidogenesis in vivo. Chartier L, et al. **Endocrinology** 1984 Nov;115(5):2026–8

Synthetic rat atrial natriuretic factor inhibits in vitro and in vivo renin secretion in rats. Obana K, et al. **Endocrinology** 1985 Sep;117(3):1282–4

Effects of atriopeptins I, II and III on atrial contractility, sinus nodal rate (guinea pig) and agonist–induced tension in rabbit aortic strips. Bergey JL, et al. **Eur J Pharmacol** 1985 Apr 2;110(2):277–81

Atriopeptin II: differential sensitivity of arteries and veins from the rat. Cohen ML, et al. **Eur J Pharmacol** 1985 Jan 15;108(1):103–4

Rat atrial natriuretic peptide elevates the level of cyclic GMP in astroglia–rich brain cell cultures. Friedl A, et al. **Eur J Pharmacol** 1985 Apr 23;111(1):141–2

Effects of a synthetic human atrial natriuretic polypeptide on regional blood flow in rats. Fujioka S, et al. **Eur J Pharmacol** 1985 Feb 26;109(2):301–4

Hemodynamic effects of alpha–human atrial natriuretic polypeptide (alpha–hANP) in rats. Sasaki A, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):405–7

Renal effects of a synthetic alpha–human atrial natriuretic polypeptide (alpha–hANP) in anesthetized dogs. Yukimura T, et al. **Eur J Pharmacol** 1984 Aug 17;103(3–4):363–6

Inhibitory effect of atrial natriuretic factor on adenylate cyclase activity in adrenal cortical membranes. Anand–Srivastava MB, et al. **FEBS Lett** 1985 Feb 25;181(2):199–202

Rat atrial natriuretic peptides inhibit oxygen consumption by rat kidney. Kohashi N, et al. **Hypertension** 1985 Jul–Aug;7(4):491–8

Effects of alpha–human atrial natriuretic peptide in essential hypertension. Richards AM, et al. **Hypertension** 1985 Sep–Oct;7(5):812–7

Synthetic atrial natriuretic factor in conscious normotensive and hypertensive rats. Seymour AA, et al. **Hypertension** 1985 May–Jun;7(3 Pt 2):I35–42

Effect of atrial natriuretic factor on blood pressure, renin, and aldosterone in Goldblatt hypertension. Volpe M, et al. **Hypertension** 1985 May–Jun;7(3 Pt 2):I43–8

Atrial natriuretic factor selectively activates particulate guanylate cyclase and elevates cyclic GMP in rat tissues. Waldman SA, et al. **J Biol Chem** 1984 Dec 10;259(23):14332–4

Effect of synthetic human atrial natriuretic peptide on aldosterone secretion by dispersed aldosterone–producing adenoma cells in vitro. Hirata Y, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):677–80

Administration of atrial natriuretic factor inhibits sodium–coupled transport in proximal tubules. Hammond TG, et al. **J Clin Invest** 1985 Jun;75(6):1983–9

Renal mechanism of action of rat atrial natriuretic factor. Huang CL, et al. **J Clin Invest** 1985 Feb;75(2):769–73

Vasodilator properties of a family of bioactive atrial peptides in isolated perfused rat kidneys. Wakitani K, et al. **J Lab Clin Med** 1985 Mar;105(3):349–52

When does atrial natriuretic peptide block aldosterone secretion? [letter] Jungmann E, et al. **Lancet** 1985 May 11;1(8437):1101

Renal, haemodynamic, and hormonal effects of human alpha atrial natriuretic peptide in healthy volunteers. Richards AM, et al. **Lancet** 1985 Mar 9;1(8428):545–9

Inhibition of pituitary adenylate cyclase by atrial natriuretic factor. Anand–Srivastava MB, et al. **Life Sci** 1985 May 13;36(19):1873–9

Regional vasorelaxant selectivity of atrial natriuretic factor in isolated rabbit vessels. Faison EP, et al. **Life Sci** 1985 Sep 16;37(11):1073-9

Changes of regional blood flow induced by atrial natriuretic factor (ANF) in conscious rats. Garcia R, et al. **Life Sci** 1985 Apr 29;36(17):1687-92

Stimulation of cyclic GMP formation in smooth muscle cells by atriopeptin II. Harris DW, et al. **Life Sci** 1985 Aug 19;37(7):591-7

Vasodilatory and diuretic actions of alpha-human atrial natriuretic polypeptide (alpha-hANP). Ishihara T, et al. **Life Sci** 1985 Mar 25;36(12):1205-15

Dopamine receptor antagonists inhibit the natriuretic response to atrial natriuretic factor (ANF). Marin-Grez M, et al. **Life Sci** 1985 Jun 3;36(22):2171-6

The relaxant effects of atrial natriuretic factor on vascular smooth muscle. Winquist RJ. **Life Sci** 1985 Sep 23; 37(12):1081-7 (48 ref.)

Renal effects of human alpha-atrial natriuretic polypeptide [letter] Kuribayashi T, et al. **N Engl J Med** 1985 May 30; 312(22):1456-7

Inhibition of aldosterone production in the adrenal glomerulosa by atrial natriuretic factor. Kudo T, et al. **Nature** 1984 Dec 20-1985 Jan 2;312(5996):756-7

Atrial natriuretic factor inhibits dehydration and hemorrhage-induced vasopressin release. Samson WK. **Neuroendocrinology** 1985 Mar;40(3):277-9

Atrial natriuretic peptides: endogenous diuretics? Richards AM, et al. **NZ Med J** 1985 Jul 24;98(783):588-90 (38 ref.)

Atrial natriuretic factor elicits an endothelium-independent relaxation and activates particulate guanylate cyclase in vascular smooth muscle. Winquist RJ, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7661-4

Reduction of blood pressure and increased diuresis and natriuresis during chronic infusion of atrial natriuretic factor (ANF Arg 101-Tyr 126) in conscious one-kidney, one-clip hypertensive rats. Garcia R, et al. **Proc Soc Exp Biol Med** 1985 Sep;179(4):539-45

Effect of chronic infusion of synthetic atrial natriuretic factor (ANF 8-33) in conscious two-kidney, one-clip hypertensive rats. Garcia R, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):155-9

Synthetic atrial natriuretic factor induces release (possibly receptor-mediated) of vasopressin from rat posterior pituitary. Januszewicz P, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):321-5

Depressor and natriuretic activities of several atrial peptides. Tang J, et al. **Regul Pept** 1984 Sep;9(1-2):53-9

Atrial natriuretic factor ameliorates chronic metabolic alkalosis by increasing glomerular filtration. Cogan MG. **Science** 1985 Sep 27;229(4720):1405-7

[Atripeptins] Tang J. **Sheng Li Ko Hsueh Chin Chan** 1984 Jul;15(3):245-6 **(Chi)**

[Redox regulation of the interaction between mitochondrial H+-ATPase and a natural protein inhibitor] Kozlov IA, et al. **Dokl Akad Nauk SSSR** 1985;281(6):1482-4 **(Rus)**

PHYSIOLOGY

The effect of leiotonin fraction on stably phosphorylated smooth muscle myosin. Chacko S, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):286-92

A periodic cytoskeletal lattice in striated muscle. Cooke P. **Cell Muscle Motil** 1985;6:287-313 (56 ref.)

Localization and function of M-line-bound creatine kinase. M-band model and creatine phosphate shuttle. Wallimann T, et al. **Cell Muscle Motil** 1985;6:239-85 (185 ref.)

Sarcomere-associated cytoskeletal lattices in striated muscle. Review and hypothesis. Wang K. **Cell Muscle Motil** 1985; 6:315-69 (189 ref.)

Symposium on atrial natriuretic factor: emergence of a new cardiovascular regulatory system. Philadelphia, Pennsylvania, November 19, 1984. **Clin Exp Hypertens** [A] 1985;7(5-6):835-906

Emergence of a new cardiovascular control system: atrial natriuretic factor. An introduction. Blaine EH. **Clin Exp Hypertens** [A] 1985;7(5-6):839-50

The heart and the atrial natriuretic factor. Cantin M, et al. **Endocr Rev** 1985 Spring;6(2):107-27 (189 ref.)

The coordinate organization of vinculin and of actin filaments during the early stages of fibroblast spreading on a substratum. David-Pfeuty T. **Eur J Cell Biol** 1985 Mar; 36(2):195-200

Atriopeptins as cardiac hormones. Needleman P, et al. **Hypertension** 1985 Jul-Aug;7(4):469-82 (118 ref.)

Cyclic guanosine monophosphate mediates vascular relaxation induced by atrial natriuretic factor. Ohlstein EH, et al. **Hypertension** 1985 Mar-Apr;7(2):306-10

Paratropomyosin: a new myofibrillar protein that modifies the actin-myosin interaction in postrigor skeletal muscle. II. Distinct function from tropomyosin. Nakamura F, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1053-9

The calcium-dependent myoblast adhesion that precedes cell fusion is mediated by glycoproteins. Knudsen KA. **J Cell Biol** 1985 Sep;101(3):891-7

The crossbridge mechanism of muscular contraction and its implications. Huxley HE. **J Exp Biol** 1985 Mar;115:17-30 (59 ref.)

Atrial natriuretic factor: structure and functional properties. Maack T, et al. **Kidney Int** 1985 Apr;27(4):607-15 (57 ref.)

Possible role for atrial natriuretic peptide in polyuria associated with paroxysmal atrial arrhythmias [letter] Yamaji T, et al. **Lancet** 1985 May 25;1(8439):1211

Expression of the intermediate-filament-associated protein synemin in chicken lens cells. Granger BL, et al. **Mol Cell Biol** 1984 Oct;4(10):1943-50

Blood volume regulation. On the right lines at last? [news] Balfour WE. **Nature** 1985 Mar 21-27;314(6008):226-7

Atrial natriuretic factor—a circulating hormone stimulated by volume loading. Lang RE, et al. **Nature** 1985 Mar 21-27; 314(6008):264-6

Parvalbumin, a relaxing factor in muscle and a neuronal marker in brain. Heizmann CW. **Prog Clin Biol Res** 1984; 168:205-10

Atriopeptin-immunoreactive neurons in the brain: presence in cardiovascular regulatory areas. Saper CB, et al. **Science** 1985 Mar 1;227(4690):1047-9

Ser-Leu-Arg-Arg-atriopeptin III: the major circulating form of atrial peptide. Schwartz D, et al. **Science** 1985 Jul 26;229(4711):397-400

[The heart as a new endocrine organ and its clinical significance] Tang J. **Chung Hua Nei Ko Tsa Chih** 1984 Dec;23(12):721-4, 789 (Eng. Abstr.) **(Chi)**

[The heart as an endocrine organ: the discovery of a new hormone] Gerzer R. **Klin Wochenschr** 1985 Jun 18; 63(12):529-36 (Eng. Abstr.) **(Ger)**

[Natriuresis—the endogenous digoxin-like-factor and atrial natriuretic polypeptide] Goto A, et al. **Nippon Rinsho** 1985 May;43(5):914-22 (48 ref.) **(Jpn)**

[The role of peptides of atrial origin in the regulation of water-electrolyte metabolism] Januszewicz A, et al. **Pol Tyg Lek** 1985 Feb 25;40(8):235-40 **(Pol)**

SECRETION

ANF (Arg 101—Tyr 126) is the peptide secreted by rat atrial cardiocytes in culture. Gutkowska J, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1217-25

Secretory patterns of atrial natriuretic factor (ANF) by cultured cardiocytes of right and left atrium from newborn and adult rats. Cantin M, et al. **Clin Exp Hypertens** [A] 1985;7(5-6):685-705

Cardiac secretion of atrial natriuretic peptide [letter] Espiner EA, et al. **Lancet** 1985 Aug 17;2(8451):398-9

Vasopressin-stimulated release of atriopeptin: endocrine antagonists in fluid homeostasis. Manning PT, et al. **Science** 1985 Jul 26;229(4711):395-7

THERAPEUTIC USE

Chronic infusion of low doses of atrial natriuretic factor (ANF Arg 101-Tyr 126) reduces blood pressure in conscious SHR without apparent changes in sodium excretion. Garcia R, et al. **Proc Soc Exp Biol Med** 1985 Jul;179(3):396-401

[Effect of the combined use of BCG, PPD, a protein-containing preparation from allogenic tissue and cyclophosphamide in the development of methylcholanthrene-induced tumors] Volegov AI. **Eksp Onkol** 1984;6(2):63-5 (Eng. Abstr.) **(Rus)**

MUSCLE RELAXANTS, CENTRAL

Anticonvulsive and muscle-relaxant activity of some benzodiazepines in spontaneously hypertensive rats (SHR). Czyżewska-Szafran H, et al. **Acta Pol Pharm** 1985; 42(1):91-6

Dantrolene sodium and dystrophia myotonica [letter] Dawson AD, et al. **Anaesthesia** 1985 Jun;40(6):596-7

Investigation of the muscle relaxant activity of nitrazepam. Date SK, et al. **Arch Int Pharmacodyn Ther** 1984 Nov; 272(1):129-39

ZK 91296, an anticonvulsant beta-carboline which lacks muscle relaxant properties. Klockgether T, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):309-15

New skeletal muscle relaxants in dogs and cats. Jones RS. **J Am Vet Med Assoc** 1985 Aug 1;187(3):281-2

Muscle relaxant activity and hypotensive activity of some Tabernaemontana alkaloids. Perera P, et al. **J Ethnopharmacol** 1985 May;13(2):165-73

Muscle relaxant action of excitatory amino acid antagonists. Turski L, et al. **Neurosci Lett** 1985 Feb 4;53(3):321-6

Muscle relaxant properties of aqueous extract of Lippia multiflora. Noamesi BK, et al. **Planta Med** 1985 Jun; (3):253-5

[Pharmacologic properties of etizolam (6-(o-chlorophenyl)-8-ethyl-1-methyl-4H-s-triazolo 3,4-c thieno 2,3-e 1,4 diazepine)] Monti E, et al. **Minerva Psichiatr** 1984 Oct-Dec;25(4):269-74 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Potency of atracurium: a comparison of single dose and cumulative dose techniques. Gibson FM, et al. **Anesthesiology** 1985 May;62(5):657-9

Muscle relaxants and neuromuscular disorders. Baraka A. **Middle East J Anaesthesiol** 1983 Oct;7(3):171-3

[Comparative evaluation of the effectiveness of the fractional (bolus) and continuous methods of administering muscle relaxants during general anesthesia] Darbinian TM, et al. **Anesteziol Reanimatol** 1985 Mar-Apr;(2):15-9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Drug interaction? [letter] Rowlands DE. **Anaesthesia** 1984 Dec;39(12):1252

Molecular modifications and modulation of adverse actions of muscle relaxants in anesthesiology. Cavallito CJ, et al. **Drug Metab Rev** 1984;15(3):591-618 (100 ref.)

Leukocyte histamine release to suxamethonium in patients with adverse reactions to muscle relaxants. Vervloet D, et al. **J Allergy Clin Immunol** 1985 Mar;75(3):338-42

[Allergic reactions to Arduan administration] Udachina NA, et al. **Klin Khir** 1984 Dec;(12):35-6 **(Rus)**

IMMUNOLOGY

Assays for, and cross-reactivities of, IgE antibodies to the muscle relaxants gallamine, decamethonium and succinylcholine (suxamethonium). Harle DG, et al. **J Immunol Methods** 1985 Apr 22;78(2):293-305

PHARMACODYNAMICS

Atracurium in the myasthenic patient. Bell CF, et al. **Anaesthesia** 1984 Oct;39(10):961-8

Atracurium in clinical anaesthesia: effect of dosage on onset, duration and conditions for tracheal intubation. Mirakhur RK, et al. **Anaesthesia** 1985 Aug;40(8):801-5

The effect of atracurium or fazadinium on intra-ocular pressure. A comparative study during induction of general anaesthesia. Tattersall MP, et al. **Anaesthesia** 1985 Aug; 40(8):805-7

Antispasticity drugs: mechanisms of action. Davidoff RA. **Ann Neurol** 1985 Feb;17(2):107-16 (151 ref.)

Pharmacological studies of 1-(2,3-dimethyl-4-methoxyphenyl)-2-methyl-3-(1-pyrrol propanone hydrochloride (AD-2239), a centrally acting muscle relaxant. Ito T, et al. **Arch Int Pharmacodyn Ther** 1985 May;275(1):105-22

Differential modulation of gamma-aminobutyric acid receptors by caprolactam derivatives with central nervous system depressant or convulsant activity. Skerritt JH, et al. **Brain Res** 1985 Apr 8;331(2):225-33

Muscle relaxants in infants and children. Goudsouzian NG. **Can Anaesth Soc J** 1985 May;32(3 Pt 2):S27-31

Effect of aminophylline on muscle relaxant action of diazepam and phenobarbitone in genetically spastic rats: further evidence for a purinergic mechanism in the action of diazepam. Turski L, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):99-105

Action of tizanidine on responses of forearm flexors and extensors to torque disturbances. Mackel R, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1109-16

Effect of a muscle relaxant, chlorphenesin carbamate, on the spinal neurons of rats. Kurachi M, et al. **Jpn J Pharmacol** 1984 Sep;36(1):7-13

Cyclobenzaprine: effect on tonic vibration reflexes in local tetanus cat preparations. Share NN. **Neuropharmacology** 1984 Aug;23(8):947-53

Tizanidine (DS103-282), a centrally acting muscle relaxant, selectively depresses excitation of feline dorsal horn neurones to noxious peripheral stimuli by an action at alpha 2-adrenoceptors. Davies J, et al. **Neurosci Lett** 1984 Jul 27;48(2):197-202

Muscle relaxant action of 2-chloroadenosine in genetically spastic rats is independent of gamma-aminobutyric acid-mediated inhibition. Turski L, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):369-74

[Multivariate analysis of the effects of diuretics, muscle relaxants and anesthesia on urine volume] Miyake T, et al. **Masui** 1985 Jun;34(6):792-8 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Adverse effects of suxamethonium. Failure of prevention by atracurium or fazadinium. Budd A, et al. **Anaesthesia** 1985 Jul;40(7):642-6

Electrophysiological analysis of the mode of action of muscle relaxants in spasticity. Delwaide PJ. **Ann Neurol** 1985 Jan; 17(1):90-5

Improved oxygenation after muscle relaxation in adult respiratory distress syndrome. Coggeshall JW, et al. **Arch Intern Med** 1985 Sep;145(9):1718-20

Chronic pain of childhood: a pharmacologic approach. Lacouture PG, et al. **Pediatr Clin North Am** 1984 Oct; 31(5):1133-51 (33 ref.)

MUSCLE RELAXANTS, DEPOLARIZING see **NEUROMUSCULAR DEPOLARIZING AGENTS**

MUSCLE RELAXATION see under **MUSCLE CONTRACTION**

MUSCLE RELAXING FACTOR

METABOLISM

Release and properties of endothelium-derived relaxing factor (EDRF) from endothelial cells in culture. Cocks TM, et al. **J Cell Physiol** 1985 Jun;123(3):310-20

PHYSIOLOGY

Endothelium-derived vascular relaxing factor. Peach MJ, et al. **Hypertension** 1985 May-Jun;7(3 Pt 2):194-100

MUSCLE RIGIDITY

CHEMICALLY INDUCED

Concerning the possible nature of reported fentanyl seizures [letter] Benthuysen JL, et al. **Anesthesiology** 1985 Feb; 62(2):205

Postoperative rigidity following sufentanil administration. Goldberg M, et al. **Anesthesiology** 1985 Aug;63(2):199-201

Rigidity and catalepsy after injections of muscimol into the ventromedial thalamic nucleus: an electromyographic study in the rat. Klockgether T, et al. **Exp Brain Res** 1985; 58(3):559-69

The importance of the striato-nigro-collicular pathway in the expression of haloperidol-induced tonic electromyographic activity. Ellenbroek B, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):189-94

COMPLICATIONS

[A case of systemic lupus erythematosus with akinesia, muscle rigidity and neurogenic bladder] Nagaoka S, et al. **Ryumachi** 1984 Oct;24(5):382-8 (Eng. Abstr.) (Jpn)

DRUG THERAPY

Effect of clorazepate in spasticity and rigidity: a quantitative study of reflexes and plasma concentrations. Lossius R, et al. **Acta Neurol Scand** 1985 Mar;71(3):190-4

Description and analysis of the myotonolytic effects of phenytoin in the decerebrate cat: implications for potential utility of phenytoin in spastic disorders. Raines A, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):283-94

ETIOLOGY

Acute polyneuropathy with severe generalized rigidity in a child aged 16 months. Preliminary report. Jušić A, et al. **J Neurol** 1984;231(4):223-4

Role of muscarinic cholinergic mechanisms in the substantia nigra pars reticulata in mediating muscular rigidity in rats. Turski L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug;327(1):14-7

[Neuropathy with contractures evoking the stiff-man syndrome. Latent solitary plasmacytoma] Aimard G, et al. **Rev Neurol (Paris)** 1984;140(8-9):510-2 (Eng. Abstr.) (Fre)

PATHOLOGY

[An autopsy case with unusual muscle rigidity resembling the stiff-man syndrome] Watanabe K, et al. **Rinsho Shinkeigaku** 1984 Aug;24(8):839-47 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

In vitro interaction between halothane and succinylcholine in human skeletal muscle: implications for malignant hyperthermia and masseter muscle rigidity. Fletcher JE, et al. **Anesthesiology** 1985 Aug;63(2):190-4

GABAergic mechanisms in mediating muscular rigidity, catalepsy and postural asymmetry in rats: differences between dorsal and ventral striatum. Turski L, et al. **Brain Res** 1984 Nov 19;322(1):49-57

The role of the colliculus superior in the expression of muscular rigidity. Ellenbroek B, et al. **Eur J Pharmacol** 1984 Sep 3;104(1-2):117-23

Exteroceptive reflexes abnormalities in stiff-man syndrome [letter] Martinelli P, et al. **J Neurol Neurosurg Psychiatry** 1985 Jan;48(1):92-3

Cramps, spasms and muscle stiffness. Rowland LP. **Rev Neurol (Paris)** 1985;141(4):261-73 (143 ref.)

[The stiff-man syndrome: postural discharge of motor units] Lefebvre D'Amour M, et al. **Union Med Can** 1984 Jun; 113(6):545-7, 549 (Eng. Abstr.) (Fre)

SURGERY

[Surgical mobilization of subtotal rigidity of the knee. Technics and results. Postoperative hydropneumoarthrotherapy] Zanasi R, et al. **Chir Organi Mov** 1984;69(4):329-34 (Eng. Abstr.) (Ita)

THERAPY

[Conservative treatment of lumbofemoral extension rigidity in children and adolescents with lumbar osteochondrosis] Malakhov OA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):30-4 (Eng. Abstr.) (Rus)

MUSCLE, SMOOTH

Characterization of cholecystokinin receptors on human gastric smooth muscle tumors. Miller LJ. **Am J Physiol** 1984 Oct;247(4 Pt 1):G402-10

Familial visceral myopathy: the role of surgery. Shaw A, et al. **Am J Surg** 1985 Jul;150(1):102-8

Ultrastructure, function and composition of smooth muscle. Somlyo AP, et al. **Ann Biomed Eng** 1983;11(6):579-88

A study of the freezing of water in human uterine muscle by proton magnetic resonance. Adamski J, et al. **Magn Reson Imaging** 1985;3(2):125-30

[26th meeting of the Japan Society of Smooth Muscles. Okayama, 15-16 July 1984. II. Abstracts] **Nippon Heikatsukin Gakkai Zasshi** 1984 Aug;20(4):263-367 (Jpn)

ABNORMALITIES

Congenital absence of small intestinal musculature (one case report). Miyagawa S, et al. **Z Kinderchir** 1985 Feb; 40(1):55-7

ANALYSIS

Smooth and skeletal muscle myosins in spindle cell tumors of soft tissue. An immunohistochemical study. Saku T, et al. **Acta Pathol Jpn** 1985 Jan;35(1):125-36

Identical myoglobin is present in both skeletal and smooth muscles of chicken. Enoki Y, et al. **Biochim Biophys Acta** 1984 Sep 25;789(3):334-41

Characterization of a plasma membrane protein present in non-myelin-forming PNS and CNS glia, a subpopulation of PNS neurons, perineurial cells and smooth muscle in adult rats. Mirsky R, et al. **Cell Tissue Res** 1985; 240(3):723-33

Recovery of the muscarinic cholinergic receptor from its down-regulation in cultured smooth muscle. Higuchi H, et al. **Eur J Pharmacol** 1985 Feb 26;109(2):161-71

Bending of smooth muscle myosin rod. Cross RA. **FEBS Lett** 1984 Oct 15;176(1):197-201

Purification of a 175-kDa membrane protein, its localization in smooth and cardiac muscles. Interaction with cytoskeletal protein - vinculin. Koteliansky VE, et al. **FEBS Lett** 1985 Mar 11;182(1):67-72

Heterogeneity of muscarinic receptors in the guinea pig esophageal muscularis mucosae and ileal longitudinal muscle. Kamikawa Y, et al. **Gastroenterology** 1985 Mar; 88(3):706-16

A new simple method of preparing actin from chicken gizzard. Ebashi S. **J Biochem (Tokyo)** 1985 Feb;97(2):693-5

Properties of porcine platelet myosin. I. Similarity between vertebrate smooth muscle and nonmuscle myosins in their binding properties with F-actin. Takeuchi K. **J Biochem (Tokyo)** 1985 Jan;97(1):295-305

Actin and tropomyosin variants in smooth muscles. Dependence on tissue type. Fatigati V, et al. **J Biol Chem** 1984 Dec 10;259(23):14383-8

Isolation and sequence of a cDNA clone that contains the entire coding region for chicken smooth-muscle alpha-tropomyosin. Helfman DM, et al. **J Biol Chem** 1984 Nov 25;259(22):14136-43

Amino acid sequence of chicken gizzard gamma-tropomyosin. Lau SY, et al. **J Biol Chem** 1985 Jun 25;260(12):7257-63

Amino acid sequence of chicken gizzard beta-tropomyosin. Comparison of the chicken gizzard, rabbit skeletal, and equine platelet tropomyosins. Sanders C, et al. **J Biol Chem** 1985 Jun 25;260(12):7264-75

Embryonic chicken skeletal, cardiac, and smooth muscles express a common embryo-specific myosin light chain. Takano-Ohmuro H, et al. **J Cell Biol** 1985 Jun; 100(6):2025-30

Immunocytochemical localization of 140 kD cell adhesion molecules in cultured chicken fibroblasts, and in chicken smooth muscle and intestinal epithelial tissues. Chen WT, et al. **J Histochem Cytochem** 1985 Jun;33(6):576-86

Immunohistochemical localization of smooth muscle myosin in normal human tissues. Longtine JA, et al. **J Histochem Cytochem** 1985 Mar;33(3):179-84

Characterization of the muscarinic cholinoceptors in the human detrusor. Nilvebrant L, et al. **J Urol** 1985 Aug; 134(2):418-23

Anatomical localization and some pharmacological effects of vasoactive intestinal polypeptide in human and monkey corpus cavernosum. Steers WD, et al. **J Urol** 1984 Nov; 132(5):1048-53

Photoaffinity labeling of the DDT1 MF-2 cell alpha 1-adrenergic receptor. Cornett LE, et al. **Mol Cell Biochem** 1985 May;67(1):47-53

Neurite-promoting factors from a sympathetically innervated target tissue. Wilson PA, et al. **Neurochem Res** 1985 Jun; 10(6):841-56

Effect of the H1-histamine-like agonist material extracted from bovine spleen on 3': 5'-cyclic nucleotides content in guinea-pig ileal smooth muscle. Gandarias JM, et al. **Rev Esp Fisiol** 1984 Jun;40(2):221-5

[The contractile proteins of upper urinary tract smooth muscle and response of their contents to chronic ureteral obstruction] Iwata K. **Nippon Hinyokika Gakkai Zasshi** 1984 May;75(5):836-46 (Eng. Abstr.) (Jpn)

[Localization of glucagon receptors in intestinal and vascular smooth muscle fibers in the dog. Use of autoradiographic technics] Santamaría L, et al. **Rev Esp Enferm Apar Dig** 1985 Apr;67(4):301-8 (Eng. Abstr.) (Spa)

ANATOMY & HISTOLOGY

Structure of the musculature of the chicken small intestine. Gabella G. **Anat Embryol (Berl)** 1985;171(2):139-49

[Myoneural tissue] Klishiv AA, et al. **Arkh Anat Gistol Embriol** 1985 May;88(5):85-91 (44 ref.) (Rus)

BLOOD SUPPLY

[Vascularization of the ciliary body. II. Vessels of the ciliary muscle] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 1984 May; 84(5):711-20 (Eng. Abstr.) (Fre)

[Improved blood flow in the organs and the prevention of thrombus formation with cold] Urakov AL, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):19-21 (Eng. Abstr.) (Rus)

[Use of heat and cold for regulating the blood flow and maintaining the hemostasis of the internal organs] Urakov AL, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct;(5):43-6 (Eng. Abstr.) (Rus)

CYTOLOGY

Cultured myofibroblasts: a useful model to study wound contraction and pathological contracture. Vande Berg JS, et al. **Ann Plast Surg** 1985 Feb;14(2):111-20

Myoepithelial cells in salivary gland tumors. An immunohistochemical study. Kahn HJ, et al. **Arch Pathol Lab Med** 1985 Feb;109(2):190-5

The presence of smooth muscle cells in the rat ovary. Doss DN, et al. **Histochemistry** 1984;81(2):205-6

Differential expression and distribution of chicken skeletal- and smooth-muscle-type alpha-actinins during myogenesis in culture. Endo T, et al. **J Cell Biol** 1984 Dec; 99(6):2322-32

Regulation of proliferation of bovine aortic endothelial cells, smooth muscle cells, and adventitial fibroblasts in collagen lattices. Weinberg CB, et al. **J Cell Physiol** 1985 Mar; 122(3):410-4

Some properties of chemically skinned single smooth muscle cells. Obara K, et al. **Jpn J Physiol** 1984;34(6):1089-104

Myofibroblast-like cells in human anterior capsular cataract. Novotny GE, et al. **Virchows Arch [A]** 1984;404(4):393-401

[Studies on the histochemical quantitation of cell nuclei, smooth muscle cell, various connective tissues and calcium phosphate. I] Hasegawa M, et al. **Rinsho Byori** 1984 Jul; 32(7):801-8 (Jpn)

DRUG EFFECTS

Atropine-sensitive, tetrodotoxin-resistant contraction induced by noradrenaline in isolated cat rectum. Neya T, et al. **Acta Med Okayama** 1985 Feb;39(1):53-7

Effects of triazoles on smooth muscle tone and immunologically released bronchoconstrictive mediators in vitro and in vivo. Andersson RG, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Nov;55(5):418-21

Potent bronchodilating effects of enprofylline and theophylline on contractions induced by egg albumin or by slow reacting substance (SRS). Hedman SE, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Aug;55(2):116-20

Effects of dinitrophenol on phosphorylase a activity, adenine nucleotide levels and tension in rabbit colon smooth muscle. Pettersson G. **Acta Pharmacol Toxicol (Copenh)** 1985 Apr; 56(4):302-8

On some presynaptic effects of meramyzole (analgine-pharmachim). Ivanov D, et al. **Acta Physiol Pharmacol Bulg** 1984;10(2):34-41

Role of different calcium pools in the contraction of respiratory smooth muscle. Bengtsson B, et al. **Acta Physiol Scand** 1985 May;124(1):93-8

Atropine-sensitive gastric smooth muscle excitation by mucosal nociceptive stimulation--the involvement of an axon reflex? Delbro D, et al. **Acta Physiol Scand** 1984 Dec; 122(4):621-7

Influence of antimuscarinics on alpha-adrenoceptors in the female rabbit urethra. Larsson B, et al. **Acta Physiol Scand** 1984 Apr;120(4):537-42

Capsaicin effects on muscularis mucosa of opossum esophagus: substance P release from afferent nerves? Robotham H, et al. **Am J Physiol** 1985 Jun;248(6 Pt 1):G655-62

Colonic motor responses in the pony: relevance of colonic stimulation by opiate antagonists. Roger T, et al. **Am J Vet Res** 1985 Jan;46(1):31-5

Action of epinephrine on the function of the teat sphincter in the lactating cow. Vandeputte-Van Messom G, et al. **Am J Vet Res** 1984 Oct;45(10):2145-9

Effects of a two-year inhalation exposure of rats to coal dust and/or diesel exhaust on tension responses of isolated airway smooth muscle. Fedan JS, et al. **Am Rev Respir Dis** 1985 Apr;131(4):651-5

Dopamine effect on bronchomotor tone in vivo. Michoud MC, et al. **Am Rev Respir Dis** 1984 Nov;130(5):755-8

Interactions of 5-hydroxytryptamine and tricyclic antidepressants in the rat stomach strip and the guinea-pig ileum. Akah PA, et al. **Arch Int Pharmacodyn Ther** 1985 Apr;274(2):201-9

Differential effects of calcium removal on acetylcholine- and potassium-induced contractions of rat ileal smooth muscle. Aloamaka CP, et al. **Arch Int Pharmacodyn Ther** 1984 Dec; 272(2):197-204

Thromboxane A2-induced vascular endothelial cell damage and respiratory smooth muscle cell contraction: inhibition by flunarizine, a Ca2+-overload blocker. De Clerck F, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):4-23

Nicotine is a competitive antagonist for H1-receptors in smooth muscles. Ercan ZS, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):24-30

A study of the effect of 8-aminoquinolines (primaquine, pamaquine, pentaquine) on the guinea-pig isolated ileum. Fontaine J, et al. **Arch Int Pharmacodyn Ther** 1985 Jun; 275(2):217-30

The role of adrenergic, purinergic and opiate receptors in the control of prostacyclin-induced contraction in the guinea-pig ileum. Gaion RM, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):33-44

Clonidine-induced desensitization differentiates presynaptic alpha-2 adrenoceptors of the guinea-pig ileum and rat vas deferens. Ilhan M, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):199-207

System and organ-selectivity of smooth muscle relaxants on in vitro spontaneously contracting preparations. Manzini S, et al. **Arch Int Pharmacodyn Ther** 1984 Jul;270(1):50-60

Selectivity of histamine for the proximal muscle loop of the cat pylorus. Shirazi SS, et al. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):282-92

Effect of disodium cromoglycate on the action of bronchoactive agents in guinea-pig tracheal strips. Kitamura S, et al. **Arzneimittelforsch** 1984;34(9):1002-4

Pharmacological studies of mabuterol, a new selective beta 2-stimulant. II: Effects on the cardiovascular system and smooth muscle organs. Osada E, et al. **Arzneimittelforsch** 1984;34(11A):1641-51

Relaxant effects on tracheal and ileal smooth muscles of the guinea pig. Reiter M, et al. **Arzneimittelforsch** 1985; 35(1A):408-14

Effect on contractility of skinned fibres from mammalian heart and smooth muscle by a new benzimidazole derivative, 4,5-dihydro-6-[2-(4-methoxyphenyl)-1H-benzimidazol-5 1-3(2H)- pyridazinone. Rüegg JC, et al. **Arzneimittelforsch** 1984;34(12):1736-8

Comparison of the effects of nifedipine on ureter and coronary artery isolated from the dog. Sakanashi M, et al. **Arzneimittelforsch** 1985;35(3):584-7

Effects of verapamil on the contractions of guinea-pig tracheal muscle induced by Ca, Sr and Ba. Baba K, et al. **Br J Pharmacol** 1985 Jan;84(1):203-11

Contractile effects of cysteamine on the guinea-pig ileum. Bakich V, et al. **Br J Pharmacol** 1984 Aug;82(4):791-800

Effects of 3,4-diaminopyridine and tetraethylammonium on the pre- and post-junctional alpha-adrenoceptor mediated inhibitory actions of noradrenaline in the guinea-pig ileum. Bauer V. **Br J Pharmacol** 1985 May;85(1):171-7

alpha-Adrenoceptor stimulated lymphocytes trigger the mechanical response of vas deferens: participation of arachidonic acid metabolites. Borda ES, et al. **Br J Pharmacol** 1984 Aug;82(4):863-70

Genetic heterogeneity of histamine H2-receptors in the mouse vas deferens. Calvete JA, et al. **Br J Pharmacol** 1984 Nov;83(3):723-31

A pharmacological study of oesophageal muscularis mucosae from the cat, dog and American opossum (Didelphis virginiana). Christensen J, et al. **Br J Pharmacol** 1984 Oct; 83(2):329-36

A pharmacological analysis of the responses of the gastrointestinal smooth muscle of the bat to transmural and periarterial nerve stimulation. Cole OF, et al. **Br J Pharmacol** 1985 Mar;84(3):587-93

Pharmacological characterization of the slow component of deactivation of guinea-pig isolated ileum to the spasmogenic action of C5adesArg. Damerau B, et al. **Br J Pharmacol** 1985 Jan;84(1):55-61

Fast deactivation of guinea-pig isolated ileum to C5adesArg: a possible cyclic AMP-dependent mechanism. Damerau B, et al. **Br J Pharmacol** 1985 Jan;84(1):63-9

Effects of raubasine stereoisomers on pre- and postsynaptic alpha-adrenoceptors in the rat vas deferens. Demichel P, et al. **Br J Pharmacol** 1984 Oct;83(2):505-10

The antagonism of histamine-induced tracheal and bronchial muscle contraction by diphenhydramine: effect of maturation. Douglas JS, et al. **Br J Pharmacol** 1984 Nov; 83(3):697-705

Effects of bronchoconstrictors and bronchodilators on a novel human small airway preparation. Finney MJ, et al. **Br J Pharmacol** 1985 May;85(1):29-36

Adenosine and dipyridamole: actions and interactions on the contractile response of guinea-pig ileum to high frequency electrical field stimulation. Hayashi E, et al. **Br J Pharmacol** 1985 Mar;84(3):765-71

Pre- and post-junctional actions of prostaglandin I2, carbocyclic thromboxane A2 and leukotriene C4 in dog tracheal tissue. Inoue T, et al. **Br J Pharmacol** 1985 Feb; 84(2):289-98

Effects of isoprenaline on the contraction-relaxation cycle in the cat trachea. Ito Y, et al. **Br J Pharmacol** 1984 Nov; 83(3):677-86

Evidence that ethylenediamine acts in the isolated ileum of the guinea-pig by releasing endogenous GABA. Kerr DI, et al. **Br J Pharmacol** 1984 Sep;83(1):169-77

Potassium induces relaxation and hyperpolarization of circular muscles but contraction of longitudinal muscles of pig duodenum. Kimura I, et al. **Br J Pharmacol** 1984 Sep;83(1):187-93

The effects of nicotine on spontaneous contractions of cat urinary bladder in situ. Koley B, et al. **Br J Pharmacol** 1984 Oct;83(2):347-55

Alpha-adrenoceptor antagonism by apoyohimbine and some observations on the pharmacology of alpha-adrenoceptors in the rat anococcygeus and vas deferens. McGrath JC. **Br J Pharmacol** 1984 Aug;82(4):769-81

Reactivity to bradykinin and potassium of the isolated duodenum from rats with genetic and renal hypertension. Miasiro N, et al. **Br J Pharmacol** 1985 Jul;85(3):639-46

The effect of gallamine, gallopamil and nifedipine on responses to acetylcholine and carbachol in the taenia of the guinea-pig caecum. Mitchelson F, et al. **Br J Pharmacol** 1984 Sep;83(1):145-55

Non-specific, time-dependent desensitization of the vas deferens and anococcygeus preparations of the rat to alpha 1-adrenoceptor antagonists and atropine. Onnen I. **Br J Pharmacol** 1984 Sep;83(1):7-14

Lack of effect of leukotriene D4 on Ca-uptake in airway smooth muscle. Raeburn D, et al. **Br J Pharmacol** 1984 Oct;83(2):499-504

Alpha 2-adrenoceptor agonists potentiate responses mediated by alpha 1-adrenoceptors in the cat nictitating membrane. Shepperson NB. **Br J Pharmacol** 1984 Oct;83(2):463-9

The activity of phosphorothioate analogues of ATP in various smooth muscle systems. Stone TW. **Br J Pharmacol** 1985 Jan;84(1):165-73

Effect of pertussis toxin on normorphine-dependence and on acute inhibitory effects of normorphine and clonidine in guinea-pig isolated ileum. Tucker JF. **Br J Pharmacol** 1984 Oct;83(2):326-8

Atropine blockade of nerve-mediated stimulation of the human detrusor. Kinder RB, et al. **Br J Urol** 1985 Aug; 57(4):418-21

Inhibition of spontaneous contractile activity in isolated human detrusor muscle strips by vasoactive intestinal polypeptide. Kinder RB, et al. **Br J Urol** 1985 Feb; 57(1):20-3

Effects of amino and ammonio derivatives of adenosine on smooth muscle preparations and mouse neuroblastoma adenylate cyclase. Baer HP, et al. **Can J Physiol Pharmacol** 1985 Jan;63(1):58-61

Functional interactions between organic calcium channel antagonists in smooth muscle. Yousif F, et al. **Can J Physiol Pharmacol** 1985 Mar;63(3):193-5

Structure-activity relationship of 3- and 4-acyloxy-1-(1,3-dioxolan-4-ylmethyl)piperidine derivatives. Yoshida S, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):818-22

Effects of verapamil on histamine-and carbachol-induced contraction of pulmonary tissues in vitro. Deal EC Jr, et al. **Chest** 1984 Nov;86(5):762-6

Cholinergic neuromodulation by ATP, adenosine and its N6-substituted analogues in guinea-pig ileum. Katsuragi T, et al. **Clin Exp Pharmacol Physiol** 1985 Jan-Feb; 12(1):73-8

The effect of dopamine on tracheal smooth muscle. Michoud MC, et al. **Clin Exp Pharmacol Physiol** 1985 Jan-Feb; 12(1):51-9

Effects of desipramine on stimulation-induced contractions of the vas deferens of rats pretreated either chronically with desipramine or acutely with idazoxan. Doxey JC, et al. **Clin Sci** 1985;68 Suppl 10:155s-159s

Isolation of substances with vascular permeability-increasing activity from the skin of the plaice (Pleuronectes platessa L.). Ashraf AJ, et al. **Comp Biochem Physiol [C]** 1985; 81(1):53-6

Effects of KCl-EGTA solution on the isolated Mytilus smooth muscle: a method for denervation. Matsuura M, et al. **Comp Biochem Physiol [C]** 1984;79(2):357-61

The responses of isolated preparations of Bunodosoma caissarum (Correa, 1964) (Cnidaria, Anthozoa) to drugs. Mendes EG, et al. **Comp Biochem Physiol [C]** 1984; 79(2):375-82

Effects of Ca-antagonists and antispasmodic drugs on contraction by ACh in molluscan smooth muscle. Murakami H, et al. **Comp Biochem Physiol [C]** 1985; 80(1):167-73

Effect of substance P on opossum duodenal smooth muscle. Nowak TV, et al. **Dig Dis Sci** 1985 Jul;30(7):664-8

Comparison of the pharmacological actions of some new 4-aminopyridine derivatives. Biessels PT, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):319-25

ACTH-(1-24) antagonizes the contractile effect of morphine on the isolated rat colon. Castelli M, et al. **Eur J Pharmacol** 1985 Jan 22;108(2):213-4

Neuronally mediated contraction responses of guinea-pig stomach smooth muscle preparations: modification by benzamide derivatives does not reflect a dopamine antagonist action. Costall B, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):79-89

Leukotriene-induced contraction and thromboxane production in guinea-pig lung parenchymal strips. Creese BR, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):197-204

The effect of forskolin on smooth muscle cells of guinea-pig taenia caeci. Den Hertog A, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):181-4

Effector mechanisms for alpha,beta-methylene ATP and ATP derivatives in guinea-pig taenia caeci. Den Hertog A, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):95-101

Influences of gender and maturation on responses of guinea-pig airway tissues to LTD4. Duncan PG, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):423-7

Adenosine increases an internal calcium store in the smooth muscle of guinea-pig taenia coli. Frischknecht R, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):109-12

Effects of pGlu-His-Pro-amphetamine (TRH-amphetamine) on the isolated duodenum of the guinea-pig: antagonistic effect of amphetamine on TRH response. Furukawa K, et al. **Eur J Pharmacol** 1985 Jun 7;112(2):237-41

Prostacyclin-induced contraction of guinea-pig ileum: influence of drugs affecting calcium flux in the smooth muscle. Gaion RM, et al. **Eur J Pharmacol** 1984 Jul 20; 102(3-4):529-33

The contractile effect of bombesin, gastrin releasing peptide and various fragments in the rat stomach strip. Girard F, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):489-97

Relative potencies of histamine H1-agonists on guinea-pig tracheal smooth muscle. Harrison RW, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):405-9

Effect of strychnine on the contractile response of rat vas deferens. Hata F, et al. **Eur J Pharmacol** 1984 Sep 3; 104(1-2):165-7

Profile of activity of kappa receptor agonists in the rabbit vas deferens. Hayes A, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):317-22

Structure-activity relationship of C-terminal hexa- and heptapeptide substance P antagonists as studied in the guinea-pig ileum. Hörig J, et al. **Eur J Pharmacol** 1984 Oct 1;105(1-2):65-72

L-AMP-PCP, an ATP receptor agonist in guinea-pig bladder, is inactive on taenia coli. Hourani SM, et al. **Eur J Pharmacol** 1985 Jan 22;108(2):197-200

Antagonism by clonidine of the adenosine-induced inhibition of the twitch contraction of the guinea-pig Oddi sphincter. Katsuragi T, et al. **Eur J Pharmacol** 1985 Jan 22; 108(2):151-6

Comparison of affinities of muscarinic antagonists to pre- and postjunctional receptors in the guinea-pig ileum. Kilbinger H, et al. **Eur J Pharmacol** 1984 Aug 17; 103(3-4):313-20

Cholecystokinin antagonism by benzodiazepines in the contractile response of the isolated guinea-pig gallbladder. Kubota K, et al. **Eur J Pharmacol** 1985 Apr 2;110(2):225-31

Pharmacological characterization of the postjunctional beta-adrenoceptors in the rat gastric fundus. Lefebvre RA, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):1-9

The effects of topical capsaicin on rat urinary bladder motility in vivo. Maggi CA, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):41-50

Activities and antagonism of bombesin on urinary smooth muscles. Mizrahi J, et al. **Eur J Pharmacol** 1985 May 20; 111(3):339-45

Potentiation of GABAA-receptor-mediated responses by barbiturates in the guinea-pig ileum. Ong J, et al. **Eur J Pharmacol** 1984 Aug 17;103(3-4):327-32

Dynorphin-(1-13) restores the potency of morphine on the tolerant guinea pig ileum. Rezvani A, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):475-9

Antagonism of Ca2+-induced contractions of K+-depolarized smooth muscle by local anaesthetics. Spedding M, et al. **Eur J Pharmacol** 1985 Jan 22; 108(2):143-50

The biological activities of phthalate esters on rat gastric muscle. Tavares IA, et al. **Eur J Pharmacol** 1984 Nov 13; 106(2):449-52

Lack of effect of D600 on alpha 1-adrenoceptor-mediated contractions of rat isolated anococcygeus muscle. Vila E, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):97-105

Comparison of the effects of forskolin and isoprenaline on tracheal, cardiac and skeletal muscles from guinea-pig. Waldeck B, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):349-53

Effect of progesterone on canine colonic smooth muscle. Gill RC, et al. **Gastroenterology** 1985 Jun;88(6):1941-7

The effect of trifluperidol on the contractile response of guinea-pig taenia coli to acetylcholine, histamine, potassium and calcium. Fortes ZB. **Gen Pharmacol** 1984; 15(5):423-5

Effects of calcium antagonists on smooth muscle membranes of the canine stomach. Fujii K, et al. **Gen Pharmacol** 1985; 16(3):217-21

A possible explanation for a greater discrepant suppression by adenosine and N6-cyclohexyl adenosine of the guinea-pig ileal contraction. Katsuragi T, et al. **Gen Pharmacol** 1985;16(3):281-4

Effects of cadmium ions on contraction in smooth muscle. Nasu T. **Gen Pharmacol** 1984;15(4):281-6

Calcium reversal: inhibition by Ca ion of sustained contraction in Ca-free medium induced by various agonists in rat uterine smooth muscle. Sakai K, et al. **Gen Pharmacol** 1985;16(2):133-6

The mechanism of Ptychodiscus brevis toxin-induced rat vas deferens contraction. Sakamoto Y, et al. **J Allergy Clin Immunol** 1985 Jul;76(1):117-22

Bronchial hyperreactivity occurs in steroid-treated guinea pigs depleted of leukocytes by cyclophosphamide. Murlas C, et al. **J Appl Physiol** 1985 May;58(5):1630-7

Modulation of cholinergic neurotransmission in airways by enkephalin. Russell JA, et al. **J Appl Physiol** 1985 Mar; 58(3):853-8

Differential inhibitory effect of isoproterenol on contractions of canine airways. Russell JA. **J Appl Physiol** 1984 Sep; 57(3):801-7

Central and local cholinergic components of histamine-induced bronchoconstriction in dogs. Shore SA, et al. **J Appl Physiol** 1985 Feb;58(2):443-51

Mechanisms of substance P-induced contraction of rabbit airway smooth muscle. Tanaka DT, et al. **J Appl Physiol** 1984 Nov;57(5):1551-7

Pre- and postjunctional adreno- and muscarinic receptor functions in the isolated human corpus spongiosum urethrae. Hedlund H, et al. **J Auton Pharmacol** 1984 Dec; 4(4):241-9

Differentiation of the action potential in the smooth muscle of canine gastric antrum using calcium-inhibitory drugs. Hohnsbein J, et al. **J Auton Pharmacol** 1985 Mar;5(1):1-12

5-Aminovaleric acid interactions with GABAA and GABAB receptors in guinea-pig ileum. Luzzi S, et al. **J Auton Pharmacol** 1985 Mar;5(1):65-9

GABAA and GABAB receptors in detrusor strips from guinea-pig bladder dome. Maggi CA, et al. **J Auton Pharmacol** 1985 Mar;5(1):55-64

Dual effect of GABA on the contractile activity of the guinea-pig isolated urinary bladder. Maggi CA, et al. **J Auton Pharmacol** 1985 Jun;5(2):131-41

A comparison of the stimulatory effects of metoclopramide and cinitapride in the guinea-pig isolated ileum. Massingham R, et al. **J Auton Pharmacol** 1985 Mar;5(1):41-53

Excitatory 5-hydroxytryptamine receptors in the cat urinary bladder are of the M- and 5-HT2-type. Saxena PR, et al. **J Auton Pharmacol** 1985 Jun;5(2):101-7

Possible involvement of substance P in the contraction produced by periarterial nerve stimulation in the rat ileum. Wali FA. **J Auton Pharmacol** 1985 Jun;5(2):143-8

Myosin light chain phosphatase. Effect on the activation and relaxation of gizzard smooth muscle skinned fibers. Hoar PE, et al. **J Biol Chem** 1985 Jul 25;260(15):8760-4

Effect of serotonin on the motility of smooth muscles in teats of lactating cows. Vandeputte-Van Messon G, et al. **J Dairy Res** 1985 Aug;52(3):347-53

A drug used in traditional medicine: Harpagophytum procumbens DC. IV. Effects on some isolated muscle preparations. Occhiuto F, et al. **J Ethnopharmacol** 1985 May;13(2):201-8

Cocaine potentiates the responses to methacholine and noradrenaline in the rat vas deferens. Bradley L, et al. **J Pharm Pharmacol** 1985 May;37(5):369-72

Characterization of beta-adrenoceptors mediating relaxation of the guinea-pig ileum. Grassby PF, et al. **J Pharm Pharmacol** 1984 Sep;36(9):602-7

Some actions of sodium nitroprusside and glyceryl trinitrate on guinea-pig isolated trachealis muscle. Kishen R, et al. **J Pharm Pharmacol** 1985 Jul;37(7):502-4

Evidence for the involvement of endogenous substance P in the motor effects of capsaicin on the rat urinary bladder. Maggi CA, et al. **J Pharm Pharmacol** 1985 Mar;37(3):203-4

An homogeneous population of beta 1-adrenoceptors subserves inhibitory responses in guinea-pig ileal preparations. Mian MA, et al. **J Pharm Pharmacol** 1984 Oct;36(10):698-9

The action and interaction of beta-phenethylamines and imidazolines on prejunctional alpha 2-adrenoceptors of guinea-pig ileum in the presence of the non-competitive antagonist benextramine. Mottram DR, et al. **J Pharm Pharmacol** 1984 Oct;36(10):668-72

The effect of ergot alkaloids ergosinine, dihydroergosine and dihydroergotamine on neurotransmission and contractility of the isolated ileum of the guinea-pig. Radulović S, et al. **J Pharm Pharmacol** 1984 Dec;36(12):814-9

Comparison of antispasmodic effect of synthetic lysolecithins with various fatty acid moieties on guinea pig ileum. Tsukatani H, et al. **J Pharmacobiodyn** 1984 Jun;7(6):400-6

An investigation of the mechanism of lead-induced relaxation of pigeon crop smooth muscle. Boyer IJ, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):616-23

Lead induction of crop dysfunction in pigeons through a direct action on neural or smooth muscle components of crop tissue. Boyer IJ, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):607-15

Role of 5-HT2 receptors in serotonin-induced contractions of nonvascular smooth muscle. Cohen ML, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):770-4

Electrophysiological basis of excitation of canine colonic circular muscle by cholinergic agents and substance P. Huizinga JD, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):692-9

Dual effect of ouabain on the palytoxin-induced contraction and norepinephrine release in the guinea-pig vas deferens. Ishida Y, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):551-6

Molecular heterogeneity of leukotriene receptors: correlation of smooth muscle contraction and radioligand binding in guinea-pig lung. Mong S, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):316-25

Reserpine-induced postjunctional supersensitivity in rat vas deferens and caudal artery without changes in alpha adrenergic receptors. Nasseri A, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):350-7

Response and sensitivity of isolated human pulmonary muscle preparations to pharmacological agents. Raffestin B, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):186-94

Inhibitory effect of methacholine on drug-induced relaxation, cyclic AMP accumulation, and cyclic AMP-dependent protein kinase activation in canine tracheal smooth muscle. Torphy TJ, et al. **J Pharmacol Exp Ther** 1985 May;233(2):409-17

Relationship between 45Ca movements, different calcium components and responses to acetylcholine and potassium in tracheal smooth muscle. Weiss GB, et al. **J Pharmacol Exp Ther** 1985 May;233(2):389-94

Eserine-induced hypertone of guinea pig distal colon in vivo: a new pharmacological procedure for testing smooth muscle relaxants. Maggi CA, et al. **J Pharmacol Methods** 1984 Sep;12(2):91-6

Activation of enteric nerve pathways in the guinea-pig duodenum by cholecystokinin octapeptide and pentagastrin. Ngu MC. **J Physiol (Lond)** 1985 Jul;364:31-43

Calcium channel blockade in smooth muscle of the human upper urinary tract. I. Effects on depolarization-induced activation. Hertle L, et al. **J Urol** 1984 Dec;132(6):1265-9

Calcium channel blockade in smooth muscle of the human upper urinary tract. II. Effects on norepinephrine-induced activation. Hertle L, et al. **J Urol** 1984 Dec;132(6):1270-4

A pharmacological study of alpha adrenergic receptor subtypes in smooth muscle of human urinary bladder base and prostatic urethra. Kunisawa Y, et al. **J Urol** 1985 Aug;134(2):396-8

Effects of vasoactive intestinal polypeptide on isolated urethral and urinary bladder smooth muscle from rabbit and man. Sjögren C, et al. **J Urol** 1985 Jan;133(1):136-40

Comparison of the effects of primary prostaglandins on isolated human urinary bladder. Ueda S, et al. **J Urol** 1985 Jan;133(1):114-6

Effects of trimebutine maleate (TM-906) on electrical and mechanical activities of smooth muscles of the guinea-pig stomach. Furukawa K, et al. **Jpn J Pharmacol** 1984 Jul;35(3):307-17

Muscarinic acetylcholine receptors in the rabbit ciliary body smooth muscle: spare receptors and threshold phenomenon. Konno F, et al. **Jpn J Pharmacol** 1985 May;38(1):91-9

Possible mechanisms of inhibitory action of sodium nitroprusside on histamine-induced contractile responses in isolated rabbit aorta compared with basilar artery and taenia coli. Ohashi M, et al. **Jpn J Pharmacol** 1985 Feb;37(2):189-95

Mechanism of relaxant action of papaverine IV. Roles of sodium ion and cyclic AMP. Sunagane N, et al. **Jpn J Pharmacol** 1984 Aug;35(4):461-4

Interactions of some partial agonists with beta-adrenoceptor in the isolated taenia caecum and tracheal smooth muscle of guinea pig. Takayanagi I, et al. **Jpn J Pharmacol** 1984 Jul;35(3):301-5

Effects of trimebutine maleate (TM-906) on the smooth muscles of isolated guinea pig gallbladder. Takenaga H, et al. **Jpn J Pharmacol** 1984 Aug;35(4):439-43

Two new opioid delta-receptor ligands: a highly selective agonist and a potent selective antagonist in in vitro isolated preparations. Ueki M, et al. **Jpn J Pharmacol** 1984 Dec;36(4):485-9

Study on the contraction and oxygen consumption induced by high K, Na-deficient solution in the urinary bladder and gall bladder of guinea-pig. Yaguchi S, et al. **Jpn J Pharmacol** 1984 Nov;36(3):407-12

Effect of sodium propionate on the contractile response of the rat ileum in situ. Yajima T. **Jpn J Pharmacol** 1984 Jul;35(3):265-71

Effects of 4-aminopyridine on the non-adrenergic inhibitory neurotransmission in the guinea-pig duodenum. Ohkawa H. **Jpn J Physiol** 1984;34(5):893-905

Electrical and mechanical events through activation of muscarinic receptor in the smooth muscle of guinea-pig vas deferens. Wakui M, et al. **Jpn J Physiol** 1984;34(3):557-60

Inhibition of intestinal smooth muscle function by tamoxifen and clomiphene. Morris ID. **Life Sci** 1985 Jul 22;37(3):273-8

Antagonistic effect of polyphloretin phosphate and di-4-phloretin phosphate on the contractile responses of guinea-pig gastric muscles to prostaglandin E2. Rakovska A, et al. **Methods Find Exp Clin Pharmacol** 1984 Dec;6(12):747-50

Acetylcholine activates an inward current in single mammalian smooth muscle cells. Benham CD, et al. **Nature** 1985 Jul 25-31;316(6026):345-7

Study of the contractile effect of 5-hydroxytryptamine (5-HT) in the isolated longitudinal muscle strip from guinea-pig ileum. Evidence for two distinct release mechanisms. Buchheit KH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar;329(1):36-41

The mechanism of action of dopamine to inhibit field stimulation-induced contractions of guinea pig stomach strips. Costall B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec;328(2):174-9

Comparison of cardiovascular and bronchoconstrictor effects of substance P, substance K and other tachykinins. Hua X, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec;328(2):196-201

Cooling-induced supersensitivity to acetylcholine in the isolated airway smooth muscle of the rat. Ishii T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Apr;329(2):167-75

Relationship between alpha 1-adrenoceptor density and functional response of rat vas deferens. Studies with phenoxybenzamine. Minneman KP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep;327(3):238-46

Interaction of the neuromuscular blocking drugs alcuronium, decamethonium, gallamine, pancuronium, ritebronium, tercuronium and d-tubocurarine with muscarinic acetylcholine receptors in the heart and ileum. Nedoma J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Apr;329(2):176-81

Competitive interactions between Bay K 8644 and nifedipine in K+ depolarized smooth muscle: a passive role for Ca2+? Spedding M. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):464-6

Interactions between a 'calcium channel agonist', Bay K 8644, and calcium antagonists differentiate calcium antagonist subgroups in K+-depolarized smooth muscle. Spedding M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):69-75

Stimulant and blocking effects of optical isomers of pindolol on the sinoatrial node and trachea of guinea pig. Role of beta-adrenoceptor subtypes in the dissociation between blockade and stimulation. Walter M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep;327(2):159-75

Dynorphin B-29: chemical synthesis and pharmacological properties in opioid systems in vitro. Sanchez-Blazquez P, et al. **Neuropeptides** 1984 Sep;4(5):369-74

The myotropic and plasma-calcium modulating effects of calcitonin gene-related peptide (CGRP). Tippins JR, et al. **Neuropeptides** 1984 Sep;4(5):425-34

Pharmacological characterization of novel mammalian tachykinins, neurokinin alpha and neurokinin beta. Kimura S, et al. **Neurosci Res** 1984 Dec;2(1-2):97-104

Potassium-induced contraction in smooth muscle. Karaki H, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Dec;20(6):427-44 (129 ref.)

Stimulating and potentiating effects of sodium nitroprusside on the guinea-pig vas deferens and their comparison with the effects on the portal vein and the taenia coli. Sunano S. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):25-33

The effects of sodium nitroprusside on the phasic and tonic contraction of the potassium contracture of the smooth muscle of guinea-pig vas deferens and portal vein. Sunano S. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):35-44

Effects of vanadate on mechanical and electrical activities in guinea-pig taenia coli. Ueda F, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Apr;20(2):85-93

Parallel bioassay of litorin and phyllolitorins on smooth muscle preparations. Falconieri Erspamer G, et al. **Peptides (Fayetteville)** 1984 Jul-Aug;5(4):765-8

Ceruletide, ceruletide analogues and cholecystokinin octapeptide (CCK-8): effects on isolated intestinal preparations and gallbladders of guinea pigs and mice. Zetler G. **Peptides (Fayetteville)** 1984 Jul-Aug;5(4):729-36

Specificity of anti-leukotriene actions of nicardipine. Lefer AM, et al. **Pharmacol Res Commun** 1984 Dec;16(12):1141-50

Influence of pH on the responses of guinea-pig isolated trachea to sympathomimetic amines. Lograno MD, et al. **Pharmacol Res Commun** 1984 Oct;16(10):999-1008

Effect of postganglionic denervation and pretreatment with reserpine on alpha-adrenoceptors of the guinea-pig vas deferens. Cowan FF Jr, et al. **Pharmacology** 1985;30(5):289-95

Comparative study of pA2 values of pirenzepine and atropine for guinea-pig gastric fundus and gastric smooth muscle. Del Tacca M, et al. **Pharmacology** 1984;29(6):329-35

Androgens and effects of opioids and catecholamines on the smooth muscle of the rat vas deferens. Miranda H, et al. **Pharmacology** 1985;30(3):168-80

Metabolic dependency of cadmium uptake and the relaxant effects of cadmium in smooth muscle of guinea pig tenia coli. Nasu T. **Pharmacology** 1985;30(5):281-8

Motor responses of cyproterone acetate-treated rat vas deferens to electrical field stimulation, noradrenaline and barium chloride. Raviprakash V, et al. **Pharmacology** 1985;30(5):296-300

Cardiac and extracardiac activity of an ethanolic extract of leaves of Isoplexis canariensis. Boada J, et al. **Planta Med** 1984 Aug;50(4):307-9

Pharmacological studies of piperine; I. Effects of piperine on transmural nerve stimulation. Cole OF. **Planta Med** 1985 Apr;(2):153-6

Cyanide and sulfide interact with nitrogenous compounds to influence the relaxation of various smooth muscles. Kruszyna H, et al. **Proc Soc Exp Biol Med** 1985 May;179(1):44-9

Evaluation of opioid receptor heterogeneity in isolated, field stimulated rat ileum. Liao CS, et al. **Proc West Pharmacol Soc** 1984;27:439-42

Effects of the venom of the Southern Pacific rattlesnake, Crotalus viridis helleri, and its fractions on striated and smooth muscle. Metsch RB, et al. **Proc West Pharmacol Soc** 1984;27:395-8

On the mechanisms of action of two classes of angiotensin antagonists at smooth muscle receptors. Moore GJ, et al. **Proc West Pharmacol Soc** 1984;27:377-83

Atypical calcium sensitivity of chemically skinned smooth muscle of the guinea-pig vas deferens. Ramos K, et al. **Proc West Pharmacol Soc** 1984;27:387-9

The contractile effect of phentolamine on the smooth muscle of isolated guinea pig urinary bladder. Satake N, et al. **Proc West Pharmacol Soc** 1984;27:127-30

Neurotensin-induced colonic motor responses in dogs: a mediation by prostaglandins. Bardon T, et al. **Regul Pept** 1985 Mar;10(2-3):107-14

The relationship between bronchial hyperresponsiveness to methacholine and airway smooth muscle structure and reactivity. Armour CL, et al. **Respir Physiol** 1984 Nov;58(2):223-33

Effects of high K on relaxation produced by drugs in the guinea-pig tracheal muscle. Ito M, et al. **Respir Physiol**

1985 Jul;61(1):43–55

Correlation between peptide YY-induced myoelectric activity and transit of small-intestinal contents in rats. Al-Saffar A, et al. **Scand J Gastroenterol** 1985 Jun; 20(5):577–82

Airway responsiveness to histamine in man: effect of atropine on in vivo and in vitro comparison. Roberts JA, et al. **Thorax** 1985 Apr;40(4):261–7

Comparison of in vivo airway responsiveness and in vitro smooth muscle sensitivity to methacholine in man. Roberts JA, et al. **Thorax** 1984 Nov;39(11):837–43

Effects of methylmercuric chloride and bis (methylmercuric) selenide on responses of isolated intestinal smooth muscle of the guinea-pig. Fukushi Y, et al. **Tohoku J Exp Med** 1985 Mar;145(3):243–9

Degenerative processes in skeletal muscle of Cd2+-treated rats and Cd2+ inhibition of mitochondrial Ca2+ transport. Toury R, et al. **Toxicol Appl Pharmacol** 1985 Jan; 77(1):19–35

Effect of Clostridium perfringens alpha toxin on the isolated rat vas deferens. Sakurai J, et al. **Toxicon** 1985;23(3):449–55

Vasoactive intestinal peptide relaxes isolated strips of human bronchus, pulmonary artery, and lung parenchyma. Saga T, et al. **Trans Assoc Am Physicians** 1984;97:304–10

The effect of nicergoline on the lower urinary tract muscle. Caine M, et al. **Urol Res** 1984;12(6):287–90

[Effect of dopamine on the rat stomach: an in vitro study] Lefebvre R. **Verh K Acad Geneeskd Belg** 1984;46(2):112–35 (Eng. Abstr.) **(Dut)**

[Serotonin antagonistic effect of antidepressives on the isolated stomach strip of the rat] Fischer W, et al. **Pharmazie** 1984 Dec;39(12):859–61 **(Ger)**

[Pharmacological studies on a new cephamycin, MT-141. (2) Its effect on preparations of neuromuscular junction, smooth muscle organs and gastro-intestinal system] Yamaki Y, et al. **Jpn J Antibiot** 1984 Aug;37(8):1470–87 (Eng. Abstr.) **(Jpn)**

[Influence of pH changes of the medium on relaxant actions of papaverine] Sunagane N, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):67–73 (Eng. Abstr.) **(Jpn)**

[Innervation of the rat urinary bladder. II. Effects of prostaglandins on the denervated detrusor muscle after bilateral pelvic ganglionectomy] Yamada M. **Nippon Heikatsukin Gakkai Zasshi** 1984 Dec;20(6):483–91 (Eng. Abstr.) **(Jpn)**

[Synaptic transmission and action of noradrenaline and ATP in intestinal smooth muscle cells in a potassium-free solution] Baĭdan LV, et al. **Fiziol Zh** 1984 Nov–Dec; 30(6):724–6 **(Rus)**

[Effect of 15-crown-5 on smooth muscle cell membranes] Bogatskiĭ AV, et al. **Fiziol Zh** 1984 Nov–Dec;30(6):727–30 **(Rus)**

[Role of adrenergic mechanisms in manifesting the contractile effects of the smooth musculature of the ileum induced by serotonin] Berezina TP, et al. **Fiziol Zh SSSR** 1985 Jun; 71(6):769–76 (Eng. Abstr.) **(Rus)**

[Changes caused by tricyclic antidepressants on the contraction of the isolated rat ileum by potassium (110 mM)] Puche E, et al. **Arch Farmacol Toxicol** 1984 Apr; 10(1):25–30 (Eng. Abstr.) **(Spa)**

[Effects of various calcium antagonists on the muscular activity of the guinea pig ileum] Carvajal García-Pando A, et al. **Rev Esp Enferm Apar Dig** 1985 May;67(5):405–8 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Development of smooth muscle in the human fetal uterus: an ultrastructural study. Konishi I, et al. **J Anat** 1984 Sep; 139 (Pt 2):239–52

ENZYMOLOGY

Calcium pump, high-affinity Ca2+-ATPase, and other ATPases in dog antrum smooth muscle plasma membrane. Grover AK, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C449–56

The function of myosin and myosin light chain kinase phosphorylation in smooth muscle. Kamm KE, et al. **Annu Rev Pharmacol Toxicol** 1985;25:593–620 (117 ref.)

The effect of leiotonin fraction on stably phosphorylated smooth muscle myosin. Chacko S, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):286–92

Evidence for the presence in smooth muscle of two types of Ca2+-transport ATPase. Wuytack F, et al. **Biochem J** 1984 Dec 1;224(2):445–51

Separation of enkephalin-degrading enzymes from longitudinal muscle layer of bovine small intestine. Enzyme inhibition by arphamenine A. Hazato T, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3179–83

Correlation between inhibition of a cyclic GMP phosphodiesterase and relaxation of canine tracheal smooth muscle. Polson JB, et al. **Biochem Pharmacol** 1985 Jun 1; 34(11):1875–9

Proteolysis of smooth muscle myosin by Staphylococcus aureus protease: preparation of heavy meromyosin and subfragment 1 with intact 20 000-dalton light chains. Ikebe M, et al. **Biochemistry** 1985 Apr 23;24(9):2380–7

Cyclic GMP-dependent protein kinase activation in canine tracheal smooth muscle by methacholine and sodium nitroprusside. Fiscus RR, et al. **Biochim Biophys Acta** 1984 Dec 11;805(4):382–92

A Mg2+-independent high-affinity Ca2+-stimulated adenosine triphosphatase in the plasma membrane of rat stomach smooth muscle. Subcellular distribution and inhibition by Mg2+. Kwan CY, et al. **Biochim Biophys Acta** 1984 Oct 3;776(2):209–16

Subcellular fractionation of pig stomach smooth muscle. A study of the distribution of the (Ca2+ + Mg2+)-ATPase activity in plasmalemma and endoplasmic reticulum. Raeymaekers L, et al. **Biochim Biophys Acta** 1985 May 28;815(3):441–54

Prostaglandin synthetase inhibition of renal pelvic smooth muscle in the rabbit. Lundstam S, et al. **Br J Urol** 1985 Aug;57(4):390–3

Cytosolic enzyme leakage from isolated smooth muscle preparations. Baer HP, et al. **Can J Physiol Pharmacol** 1985 Feb;63(2):164–5

Reconstitution of the purified calmodulin-dependent (Ca2+ + Mg2+)-ATPase from smooth muscle. Verbist J, et al. **Cell Calcium** 1984 Jun;5(3):253–63

Phosphorylase kinase from chicken gizzard. Partial purification and characterization. Nikolaropoulos S, et al. **Eur J Biochem** 1985 Sep 16;151(3):467–73

Isolation of 5'-nucleotidase from chicken gizzard, its properties, and subcellular localization in chicken tissues using monospecific antibodies. Heidemann M, et al. **Eur J Cell Biol** 1985 May;37:122–9

Structure and function of a calmodulin-dependent smooth muscle myosin light chain kinase. Bailin G. **Experientia** 1984 Nov 15;40(11):1185–8 (38 ref.)

The Ca2+-transport ATPases in smooth muscle. Wuytack F, et al. **Experientia** 1985 Jul 15;41(7):900–5

Differences in cytochrome c oxidase capacity in smooth muscle of opossum esophagus and lower esophageal sphincter. Robison BA, et al. **Gastroenterology** 1984 Nov; 87(5):1009–13

Aminopeptidase A in the muscular layer of the rat and mouse lower digestive tract. Gossrau R. **Histochem J** 1985 May; 17(5):558–61

The ubiquitous localization of type I hexokinase in rat peripheral nerves, smooth muscle cells and epithelial cells. Lawrence GM, et al. **Histochem J** 1984 Oct;16(10):1113–23

Cholinesterases and choline acetyltransferase in the ductus deferens of the guinea-pig. Majcen Z. **Histochemistry** 1984; 81(2):195–9

A simple and rapid method to remove light chain phosphatase from chicken gizzard myosin. Nakamura S, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):575–8

Modification of thiols of gizzard myosin alters ATPase activity, stability of myosin filaments, and the 6–10 S conformational transition. Chandra TS, et al. **J Biol Chem** 1985 Jan 10;260(1):202–7

Functional domains of chicken gizzard myosin light chain kinase. Foyt HL, et al. **J Biol Chem** 1985 Jun 25; 260(12):7765–74

Dephosphorylation of myosin by the catalytic subunit of a type-2 phosphatase produces relaxation of chemically skinned uterine smooth muscle. Haeberle JR, et al. **J Biol Chem** 1985 Aug 25;260(18):9965–8

Phosphorylation of smooth muscle myosin light chain kinase by Ca2+-activated, phospholipid-dependent protein kinase. Ikebe M, et al. **J Biol Chem** 1985 Apr 25; 260(8):4547–50

Conformation-dependent proteolysis of smooth-muscle myosin. Ikebe M, et al. **J Biol Chem** 1984 Oct 10; 259(19):11639–42

Spatial requirements for location of basic residues in peptide substrates for smooth muscle myosin light chain kinase. Kemp BE, et al. **J Biol Chem** 1985 Mar 25;260(6):3355–9

Inhibition of smooth muscle actin-activated myosin Mg2+-ATPase activity by caldesmon. Ngai PK, et al. **J Biol Chem** 1984 Nov 25;259(22):13656–9

Phosphorylation of smooth muscle myosin light chain kinase by protein kinase C. Comparative study of the phosphorylated sites. Nishikawa M, et al. **J Biol Chem** 1985 Jul 25;260(15):8978–83

The ATPase mechanism of skeletal and smooth muscle acto-subfragment 1. Rosenfeld SS, et al. **J Biol Chem** 1984 Oct 10;259(19):11908–19

Phosphorylation of type II regulatory subunit of cAMP-dependent protein kinase in intact smooth muscle. Scott CW, et al. **J Biol Chem** 1985 Feb 25;260(4):2274–80

Localization of a light-chain binding site on smooth muscle myosin revealed by light-chain overlay of sodium dodecyl sulfate-polyacrylamide electrophoretic gels. Sellers JR, et al. **J Biol Chem** 1984 Nov 25;259(22):14203–7

Effect of level of dietary protein and total or partial starvation on catalase and superoxide dismutase activity in cardiac and skeletal muscles in young rats. Lammi-Keefe CJ, et al. **J Nutr** 1984 Dec;114(12):2235–40

Monoamine and diamine oxidative deamination in the longitudinal smooth muscle of guinea pig ileum. Banchelli G, et al. **Med Biol** 1985;63(1):34–9

Prolonged relaxation of detergent-skinned smooth muscle involves decreased endogenous phosphatase activity. Bialojan C, et al. **Proc Soc Exp Biol Med** 1985 Apr; 178(4):648–52

Studies on cholesterol esterase in cultured rabbit smooth muscle cells. Nishide T, et al. **Tohoku J Exp Med** 1985 Jun;146(2):123–30

[Mg2,Ca2+-ATPase activity of sarcolemmas of intestinal smooth muscle cells in the rabbit] Gruzina TG, et al. **Biokhimiia** 1984 Sep;49(9):1523–8 (Eng. Abstr.) **(Rus)**

[M-cholinoreceptor-mediated inhibition of Na, K-ATPase activity in the myocardial sarcolemma and intestinal smooth muscles by acetylcholine] Danilenko MP, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):259–61 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Differential effects of dietary fibers on rat intestinal circular muscle cell size. Jacobs LR. **Dig Dis Sci** 1985 Mar; 30(3):247–52

IMMUNOLOGY

Search for autoantibodies to endothelial and smooth muscle cells in patients with multiple sclerosis. Tsukada N, et al. **Acta Neuropathol (Berl)** 1985;66(2):134–9

Serum IgE and smooth muscle antibodies in pre-eclampsia. Alanen A. **Acta Obstet Gynecol Scand** 1984;63(7):581–2

Smooth muscle contraction and release of histamine and slow-reacting substance of anaphylaxis in pulmonary tissues isolated from guinea pigs passively sensitized with IgG1 or IgE antibodies. Undem BJ, et al. **Am Rev Respir Dis** 1985 Feb;131(2):260–6

IgA anti-endomysial antibody detection in the serum of patients with dermatitis herpetiformis following gluten challenge. Leonard JN, et al. **Arch Dermatol Res** 1985; 277(5):349–51

IgA anti-endomysium antibody. A new immunological marker of dermatitis herpetiformis and coeliac disease. Chorzelski TP, et al. **Br J Dermatol** 1984 Oct; 111(4):395–402

Smooth muscle antibody in children with acute rheumatic fever and rheumatic heart disease. Hwang B, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1985 Feb;18(1):25–9

In vitro responses of human asthmatic airway and pulmonary vascular smooth muscle. Schellenberg RR, et al. **Int Arch Allergy Appl Immunol** 1984;75(3):237–41

A smooth muscle-specific monoclonal antibody recognizes smooth muscle actin isozymes. Gown AM, et al. **J Cell Biol** 1985 Mar;100(3):807–13

The detection of smooth muscle antibodies reacting with intermediate filaments of desmin type. Kurki P, et al. **J Immunol Methods** 1985 Feb 11;76(2):329–35

Elevated levels of smooth muscle autoantibodies in patients with acromegaly. Sheikh KM, et al. **Neurol Res** 1983; 5(4):1–12

Role of electrogenic Na+ pump in the response of sensitized airway smooth muscle to antigen. Souhrada M, et al. **Respiration** 1985;48(1):37–45

INNERVATION

Characterization of pre- and post-junctional adenosine receptors in guinea-pig ileum. Gustafsson LE, et al. **Acta Physiol Scand** 1985 Feb;123(2):195–203

Influence of subdiaphragmatic vagotomy and brown fat sympathectomy on thermogenesis in rats. Andrews PL, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E239–43

Disease expression in +-/+- ——mdg/mdg mouse chimeras: evidence for an extramuscular component in the pathogenesis of both dysgenic abnormal diaphragm innervation and skeletal muscle 16 S acetylcholinesterase deficiency. Rieger F, et al. **Dev Biol** 1984 Dec; 106(2):296–306

Nervous control of smooth muscle by transmitters, cotransmitters and modulators. Burnstock G. **Experientia** 1985 Jul 15;41(7):869–74 (59 ref.)

Enkephalin/catecholamine interactions in cardiac, skeletal, and intestinal muscle. Caffrey JL. **J Am Osteopath Assoc** 1984 Sep;84(1 Suppl):135–42

Neural control of relaxation in cat airways smooth muscle. Altiere RJ, et al. **J Appl Physiol** 1984 Nov;57(5):1536–44

Autonomic response characteristics of porcine airway smooth muscle in vivo. Leff AR, et al. **J Appl Physiol** 1985 Apr; 58(4):1176–88

Swallow-evoked action potentials in vagal preganglionic efferents. Gidda JS, et al. **J Neurophysiol** 1984 Dec; 52(6):1169–80

Innervation of the muscularis mucosae of canine proximal colon. Angel F, et al. **J Physiol (Lond)** 1984 Dec;357:93–108

Amphetamine-clonidine interaction on neurotransmission in the vas deferens of the rat. Fiszman ML, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):148–53

Sympathetic innervation of the urethral muscle in cattle. García-Sacristán A, et al. **Zentralbl Veterinarmed** [A] 1985 Mar;32(3):185–9

[Adrenergic innervation of the smooth muscle cells of the cauda epididymis of the mouse] Nouhouayi Y, et al. **Acta Anat (Basel)** 1985;121(1):59–62 (Eng. Abstr.) **(Fre)**

[Effect of morphine on autonomic reflexes induced by stimulation of afferent fibers in the stomach] Itina LV, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):231–7 (Eng. Abstr.) **(Rus)**

[Background activity of neurons of the tracheal plexus in the rat] Nozdrachev AD, et al. **Fiziol Zh SSSR** 1985 Jun; 71(6):724–30 (Eng. Abstr.) **(Rus)**

METABOLISM

The binding of cadmium ions to the smooth muscle of guinea-pig taenia coli. Nasu T.

Acta Pharmacol Toxicol (Copenh) 1984 Nov;55(5):358–62

Separation of aerobic glycolysis from oxidative metabolism and contractility in rat anococcygeus muscle. Davidheiser S, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C335–41

Effect of duration of stimulation and pH on energetics of rabbit rectococcygeus muscle. Gibbs CL, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C357–64

Ion movements in membrane vesicles: a new fluorescence method and application to smooth muscle. Grover AK, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C372–8

A radioimmunoblotting method for measuring myosin light chain phosphorylation levels in smooth muscle. Hathaway DR, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C345–51

Phosphagens and intracellular pH in intact rabbit smooth muscle studied by 31P–NMR. Hellstrand P, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C320–9

Characterization of a beta–adrenergic receptor in porcine trachealis muscle. Popovich KJ, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C342–9

Subcellular distribution of dihydropyridine isothiocyanate binding in guinea–pig ileal smooth muscle. Grover AK, et al. **Arch Int Pharmacodyn Ther** 1985 Jan;273(1):74–82

Identification and characterization of 3H–prazosin binding to alpha 1–adrenoceptors in bovine teat muscles. Roets E, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):189–98

Identification of beta–adrenoceptors in bovine teat muscles by 3H–dihydroalprenolol binding. Roets E, et al. **Arch Int Pharmacodyn Ther** 1984 Aug;270(2):203–14

Activation of calcium mobilization and calcium influx by alpha 1–adrenergic receptors in a smooth muscle cell line. Reynolds EE, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):627–32

Agonist–induced internalization of the beta adrenergic receptor in a smooth muscle cell line. Sher E, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):863–70

Trinitrophenylation of smooth muscle myosin. Srivastava S, et al. **Biochem Biophys Res Commun** 1985 Jan 31; 126(2):748–55

On the oxalate stimulation of ATP–dependent calcium accumulation by smooth muscle subcellular membranes. Kwan CY, et al. **Biochem Int** 1983 Jun;6(6):713–22

Carbachol causes rapid phosphodiesteratic cleavage of phosphatidylinositol 4,5–bisphosphate and accumulation of inositol phosphates in rabbit iris smooth muscle; prazosin inhibits noradrenaline– and ionophore A23187–stimulated accumulation of inositol phosphates. Akhtar RA, et al. **Biochem J** 1984 Nov 15;224(1):291–300

Muscarinic–receptor stimulation enhances polyphosphoinositide breakdown in guinea–pig ileum smooth muscle. Sekar MC, et al. **Biochem J** 1984 Oct 15; 223(2):527–31

Effects of platelet–activating factor on the release of arachidonic acid and prostaglandins by rabbit iris smooth muscle. Inhibition by calcium channel antagonists. Yousufzai SY, et al. **Biochem J** 1985 Jun 15;228(3):697–706

Interaction of the heavy chain of gizzard myosin heads with skeletal F–actin. Marianne–Pépin T, et al. **Biochemistry** 1985 Jun 4;24(12):3024–9

Comparison of effects of smooth and skeletal muscle tropomyosins on interactions of actin and myosin subfragment 1. Williams DL Jr, et al. **Biochemistry** 1984 Aug 28;23(18):4150–5

Pseudophosphorylation of the smooth muscle 20 000 dalton myosin light chain. An artifact due to protein modification. Haeberle JR, et al. **Biochim Biophys Acta** 1984 Oct 9; 790(1):78–86

Studies on the stereoselectivity of the P2–purinoceptor on the guinea–pig vas deferens. Burnstock G, et al. **Br J Pharmacol** 1985 Feb;84(2):431–4

Similarity between mu–opioid receptors in mouse vas deferens and guinea–pig ileum. Goodall J, et al. **Br J Pharmacol** 1985 May;85(1):277–83

The costo–uterine muscle of the rat contains a homogeneous population of beta–adrenoceptors. Hartley ML, et al. **Br J Pharmacol** 1985 Feb;84(2):463–8

Facilitated diffusion of monosaccharides in smooth muscle of rat vas deferens in vitro. Elbrink J. **Can J Physiol Pharmacol** 1984 Sep;62(9):1112–5

Effect of disulphonic stilbenes on Ca2+ transport in smooth muscle plasma membranes. Rangachari PK, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1233–8

Ca–pumps in smooth muscle: one in plasma membrane and another in endoplasmic reticulum. Grover AK. **Cell Calcium** 1985 Jun;6(3):227–36 (40 ref.)

The calcium uptake in smooth muscle microsomal vesicles is reduced by centrifugation. Raeymaekers L, et al. **Cell Calcium** 1984 Jun;5(3):205–10

The use of a rat isolated ileal preparation to investigate the release of neurotensin. Gill SS, et al. **Clin Exp Pharmacol Physiol** 1984 Sep–Oct;11(5):457–65

alpha–Adrenoceptor agonists and the Ca2+–dependence of smooth muscle contraction: evidence for subtypes of receptors or for agonist–dependent differences in the agonist–receptor interaction? McGrath JC. **Clin Sci** 1985, 68 Suppl 10:55s–63s

Characterization of Ca2+ transport and enzyme activity in microsomes isolated from guinea–pig stomach smooth muscle. Miyagawa M, et al. **Comp Biochem Physiol [A]** 1985;80(4):565–70

Isolation and characterization of calmodulin from a molluscan smooth muscle. Mimura T, et al. **Comp Biochem Physiol [B]** 1985;81(3):55[illegible]–63

Geometry of actin–membrane attachments in the smooth muscle cell: the localisations of vinculin and alpha–actinin. Small JV. **EMBO J** 1985 Jan;4(1):45–9

Interaction of [3H]arylazido aminopropionyl ATP ([3H]ANAPP3) with P2–purinergic receptors in the smooth muscle of the isolated guinea–pig vas deferens. Fedan JS, et al. **Eur J Pharmacol** 1985 Jan 15;108(1):49–61

Effects of SQ 27,427, a thromboxane A2 receptor antagonist, in the human platelet and isolated smooth muscle. Harris DN, et al. **Eur J Pharmacol** 1984 Aug 3;103(1–2):9–18

Neurotensin receptors on the ileum of the guinea–pig: evidence for the coexistence of inhibitory and excitatory receptors. Huidobro–Toro JP, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):237–50

Purine receptors in trachea: studies with adenosine deaminase and dipyridamole. Satchell D. **Eur J Pharmacol** 1984 Jul 20;102(3–4):545–8

Influence of smooth muscle myosin conformation on myosin light chain kinase binding and on phosphorylation. Cross RA, et al. **FEBS Lett** 1985 Sep 2;188(2):367–74

Smooth muscle caldesmon. Rapid purification and F–actin cross–linking properties. Bretscher A. **J Biol Chem** 1984 Oct 25;259(20):12873–80

Phospholipase A2 sensitivity of uterine smooth muscle membrane phospholipids and adenylate cyclase activity. Effect of temperature on the action of phospholipase present in excess. Krall JF, et al. **J Biol Chem** 1985 Aug 15;260(17):9685–91

Mechanism of the association of HDL3 with endothelial cells, smooth muscle cells, and fibroblasts. Evidence against the role of specific ligand and receptor proteins. Tabas I, et al. **J Biol Chem** 1984 Nov 25;259(22):13897–905

Membrane abnormalities occur in vascular smooth muscle but not in non–vascular smooth muscle from rats with deoxycorticosterone–salt induced hypertension. Kwan CY, et al. **J Hypertens** 1983 Oct;1(3):257–65

Cobalt–sensitive biphasic uptake of calcium ions in potassium–depolarized smooth muscle. Little SA, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):746–53

Effects of glucose removal and readmission on potassium contracture in the guinea–pig taenia coli. Ashoori F, et al. **J Physiol (Lond)** 1984 Nov;356:33–48

Identification of 5HT2–receptors on longitudinal muscle of the guinea pig ileum. Engel G, et al. **J Recept Res** 1984; 4(1–6):113–26

Characterization of IBE 2254 binding to alpha 1–adrenergic receptors on intact DDT1 smooth muscle cells: comparison with membrane binding and correlation with phosphoinositides breakdown. Hoyer D. **J Recept Res** 1984; 4(1–6):51–67

Intestinal epithelial cells and musculature contain different muscarinic binding sites. Tien XY, et al. **Life Sci** 1985 May 20;36(20):1949–55

The contribution of diffusion to the entry of catecholamines into guinea–pig trachealis smooth muscle cells. Bryan LJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(2):133–8

Kinetics of the O–methylating system for isoprenaline in the trachea and aorta of rabbit. Bryan LJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov; 328(1):56–61

Characterization of neurotensin binding to rat gastric smooth muscle receptor sites. Kitabgi P, et al. **Peptides (Fayetteville)** 1984 Sep–Oct;5(5):917–23

The mechanism of action of Ba2+ and TEA on single Ca2+–activated K+ –channels in arterial and intestinal smooth muscle cell membranes. Benham CD, et al. **Pflugers Arch** 1985 Feb;403(2):120–7

Single K+ channels in membrane evaginations of smooth muscle cells. Berger W, et al. **Pflugers Arch** 1984 Sep; 402(1):18–23

Chemical energy usage during stimulation and stretch of mammalian smooth muscle. Butler TM, et al. **Pflugers Arch** 1984 Aug;401(4):391–5

Regulation of isometric force and isotonic shortening velocity by phosphorylation of the 20,000 dalton myosin light chain of rat uterine smooth muscle. Haeberle JR, et al. **Pflugers Arch** 1985 Feb;403(2):215–9

Ca2+ can affect Vmax without changes in myosin light chain phosphorylation in smooth muscle. Siegman MJ, et al. **Pflugers Arch** 1984 Aug;401(4):385–90

Single Ca channel currents in mammalian visceral smooth muscle cells. Yoshino M, et al. **Pflugers Arch** 1985 Jul; 404(3):285–6

Phorbol ester effects on neurotransmission: interaction with neurotransmitters and calcium in smooth muscle. Baraban JM, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):604–7

1,25–Dihydroxyvitamin D3 induction of CABP and stimulation of calcium uptake in embryonic chick duodena in culture: effects of verapamil and/or dexamethasone. Corradino RA. **Prog Clin Biol Res** 1984;168:165–70

Calcium uptake by intestinal Golgi and basolateral membrane vesicles: ATP and vitamin D dependence. Walters JR, et al. **Prog Clin Biol Res** 1984;168:187–92

Sensitization–induced sodium influx in airway smooth muscle cells of guinea pigs. Souhrada M, et al. **Respir Physiol** 1985 May;60(2):157–68

Prostacyclin synthesis induced in vascular cells by interleukin–1. Rossi V, et al. **Science** 1985 Jul 12; 229(4709):174–6

Bradykinin receptors in rat uterine smooth muscle: studies using radiolabeled ligand binding. Yasujima M, et al. **Tohoku J Exp Med** 1984 Oct;144(2):107–17

[Oxygen supply of the human small intestine in mechanical ileus] Thermann M, et al. **Langenbecks Arch Chir** 1985; 363(3):179–84 (Eng. Abstr.) **(Ger)**

[Cyclic nucleotides in muscarinic stimulation of the smooth muscles of the small intestine in the guinea pig] Danilov AF, et al. **Dokl Akad Nauk SSSR** 1984;277(3):738–41 **(Rus)**

[Effect of vagotomy on energy metabolism in the stomach muscle tissue of rats] Mikhnev VA. **Patol Fiziol Eksp Ter** 1984 Jul–Aug;(4):28–32 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Congenital arrector pili hamartoma. A case report and review of the spectrum of Becker's melanosis and pilar smooth–muscle hamartoma. Slifman NR, et al. **Arch Dermatol** 1985 Aug;121(8):1034–7

Endothelial and lesion cell growth patterns of early smooth–muscle cell atherosclerotic lesions in swine. Scott RF, et al. **Arch Pathol Lab Med** 1985 May;109(5):450–3

Liver connective tissue cells isolated from human schistosomal fibrosis or alcoholic cirrhosis represent a modified phenotype of smooth muscle cells. Borojevic R, et al. **Biol Cell** 1985;53(3):231–8

Acquired dermal smooth–muscle hamartoma. Wong RC, et al. **Cutis** 1985 Apr;35(4):369–70

Chronic idiopathic intestinal pseudoobstruction. Coexistence of smooth muscle and neuronal abnormalities. Smout AJ, et al. **Dig Dis Sci** 1985 Mar;30(3):282–7

Different types of smooth muscle hypertrophy. Johansson B. **Hypertension** 1984 Nov–Dec;6(6 Pt 2):III64–8 (31 ref.)

Plexiform tumorlet: a clinical and pathologic study of 15 cases with ultrastructural observations. Kaminski PF, et al. **Int J Gynecol Pathol** 1984;3(2):124–34

Myofibroblasts in a collagen nevus detected by electron microscopy. Shelley WB, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 2):917–21

Congenital smooth muscle hamartoma of the skin. Metzker A, et al. **Pediatr Dermatol** 1984 Jul;2(1):45–8

Smooth muscle proliferation in the hilum of superficial lymph nodes. Channer JL, et al. **Virchows Arch [A]** 1985; 406(3):261–70

Hypertrophy of ileal smooth muscle after construction of ileal reservoir in the rat. Philipson BM, et al. **Virchows Arch [A]** 1985;406(4):417–24

PHYSIOLOGY

Has cervical smooth muscle any physiological role in the human? Bryman I, et al. **Acta Physiol Hung** 1985; 65(3):327–30

Neurogenic and myogenic responses in isolated smooth muscle of the bovine teat. Isaksson A, et al. **Acta Vet Scand** 1984;25(3):385–402

Prostaglandins as possible mediators in the relaxing effect on the gastric smooth muscle by electrical transmural stimulation. Bettini V, et al. **Agressologie** 1984 Oct; 25(9):1005–7

Vasoactive intestinal peptide as a neural mediator of gastric relaxation. Grider JR, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G73–8

'On' and 'off' responses of guinea pig ureter. Hong KW, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C165–9

Intestinal nerves and ion transport: stimuli, reflexes, and responses. Hubel KA. **Am J Physiol** 1985 Mar;248(3 Pt 1):G261–71 (114 ref.)

Myosin phosphorylation, force, and maximal shortening velocity in neurally stimulated tracheal smooth muscle. Kamm KE, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C238–47

Electrical properties of smooth muscle cell membrane of opossum esophagus. Kannan MS, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):G342–6

Migrating action potential complex: unmasked by 6–hydroxydopamine. Mathias JR, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):G416–21

Intracellular electrical activity of muscularis mucosae of the dog stomach. Morgan KG, et al. **Am J Physiol** 1985 Aug; 249(2 Pt 1):G256–63

Myogenic regulation of propagation in gastric smooth muscle. Publicover NG, et al. **Am J Physiol** 1985 May; 248(5 Pt 1):G512–20

Role of sodium or calcium in electrical depolarization of feline colonic smooth muscle. Snape WJ Jr, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):G66–72

Swallowing induces sequential activation of esophageal longitudinal smooth muscle. Sugarbaker DJ, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):G515–9

Agonist–induced isotonic contraction of cultured mesangial cells after multiple passage. Venkatachalam MA, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C48–55

Myosin phosphorylation and contraction of feline esophageal smooth muscle. Weisbrodt NW, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C9–14

Workshop on airway smooth muscle. Summary of a conference held September 25–27 1983. **Am Rev Respir Dis** 1985 Jan;131(1):159–62

Smooth muscle cells produce an inhibitor of endothelial cell growth. Schumacher BL, et al. **Arteriosclerosis** 1985 Jan–Feb;5(1):110–5

Relationship between stimulated inositol lipid hydrolysis and contractility in guinea-pig visceral longitudinal smooth muscle. Best L, et al. **Biochem Pharmacol** 1985 Jul 1; 34(13):2297-301

The action of substance P on contraction, inositol phospholipids and adenylate cyclase in rat small intestine. Watson SP. **Biochem Pharmacol** 1984 Dec 1;33(23):3733-7

Effects of magnesium chloride on smooth muscle actomyosin adenosine-5'-triphosphatase activity, myosin conformation, and tension development in glycerinated smooth muscle fibers. Ikebe M, et al. **Biochemistry** 1984 Oct 9; 23(21):5062-8

Tracheal volume deformation in a developmental rabbit model. Snyder SM, et al. **Biol Neonate** 1984;46(4):192-7

An improved optoelectronic transducer for quantitation of contractile events in the mammalian fallopian tube. Bourdage RJ, et al. **Biomed Sci Instrum** 1985;21:41-9

Pharmacological properties of mechanical responses of the rat oesophageal muscularis mucosae to vagal and field stimulation. Bieger D, et al. **Br J Pharmacol** 1985 Jan; 84(1):93-106

Loss and recovery of sensitivity of guinea-pig isolated ileum to the spasmogenic action of the complement peptide C5adesArg. Damerau B, et al. **Br J Pharmacol** 1985 Jan; 84(1):47-54

Excitatory neurotensin receptors on the smooth muscle of the rat fundus: possible implications in gastric motility. Huidobro-Toro JP, et al. **Br J Pharmacol** 1985 Apr; 84(4):897-910

The roles of stored calcium in contractions of cat tracheal smooth muscle produced by electrical stimulation, acetylcholine and high K+. Ito Y, et al. **Br J Pharmacol** 1984 Nov;83(3):667-76

Photodynamic effects of erythrosine on the smooth muscle cells of guinea-pig taenia coli. Matthews EK, et al. **Br J Pharmacol** 1984 Oct;83(2):555-66

The role of acetylcholine in rhythmic spontaneous contractions of rat's duodenal smooth muscle. Whitcomb ER, et al. **Bull Environ Contam Toxicol** 1985 Apr; 34(4):476-80

Relaxation of tracheomotor tone by PEEP: influence of hypocapnia and acidemia. Byrick RJ. **Can Anaesth Soc J** 1985 Jan;32(1):12-9

Structural basis for function of circular muscle of canine corpus. Daniel EE, et al. **Can J Physiol Pharmacol** 1984 Oct;62(10):1304-14

Evidence for oxytocin receptors in the urinary bladder of the rabbit. Romine MT, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):287-91

Multiple responses to electrical field stimulation in circular muscle of canine gastric corpus. Sakai Y, et al. **Can J Physiol Pharmacol** 1984 Aug;62(8):912-8

Force-velocity constants in smooth muscle: afterloaded isotonic and quick-release methods. Stephens NL. **Can J Physiol Pharmacol** 1985 Jan;63(1):48-51

Adaptation of human atrial muscle repolarisation after high rate stimulation. Olsson SB, et al. **Cardiovasc Res** 1985 Jan; 19(1):7-14

Differential effects of phenylmethanesulfonyl fluoride (PMSF) on carbachol and potassium stimulated phosphoinositide turnover and contraction in longitudinal smooth muscle of guinea pig ileum. Sekar MC, et al. **Cell Calcium** 1984 Jun;5(3):191-203

Force-velocity characteristics of stomach muscle: a comparison between longitudinal and circular muscle strips. Moriya M, et al. **Comp Biochem Physiol [A]** 1985; 81(3):531-7

Neuromuscular pharmacology of the anterior intestine of Chaetopterus variopedatus, a filter-feeding polychaete. Anctil M, et al. **Comp Biochem Physiol [C]** 1984; 79(2):343-51

Investigations into the identity of the non-adrenergic, non-cholinergic excitatory transmitter in the smooth muscle of chicken rectum. Meldrum LA, et al. **Comp Biochem Physiol [C]** 1985;81(2):307-9

Effects of ethanol and acetaldehyde on cultured rabbit aortic myocytes and human platelets in vitro. Stavenow L, et al. **Eur J Clin Invest** 1984 Aug;14(4):242-6

Responses evoked by electrical stimulation, adenosine triphosphate, adenosine and 4-aminopyridine in taenia caeci of the guinea-pig. Den Hertog A, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):373-80

Voltage and receptor mediated contractile activity of colonic smooth muscle in calcium-free solution. Mangel AW. **Eur J Pharmacol** 1984 Jun 15;102(1):165-8

Prostacyclin modulates the responses to leukotrienes C4 and D4 of guinea-pig airway smooth muscle. Mugridge KG, et al. **Eur J Pharmacol** 1984 Sep 3;104(1-2):1-7

Possible involvement of a product of the 5-lipoxygenase pathway in mediation of indomethacin-induced inhibition of cholinergic transmission in guinea-pig ileum. Nakahata N, et al. **Eur J Pharmacol** 1984 Sep 3;104(1-2):133-8

The physiology of smooth muscle: an interdisciplinary review. A tribute to Edith Bülbring. **Experientia** 1985 Jul 15;41(7):837-913

The physiology of smooth muscle: an interdisciplinary review. A tribute to Edith Bülbring. Part II. **Experientia** 1985 Aug 15;41(8):963-1028

Advances in the understanding of transmembrane ionic gradients and permeabilities in smooth muscle obtained by using ion-selective micro-electrodes. Aickin CC, et al. **Experientia** 1985 Jul 15;41(7):879-87 (56 ref.)

Patch and whole-cell voltage clamp of single mammalian visceral and vascular smooth muscle cells. Bolton TB, et al. **Experientia** 1985 Jul 15;41(7):887-94

The use of subcellular membrane fractions in analysis of control of smooth muscle function. Daniel EE. **Experientia** 1985 Jul 15;41(7):905-13 (85 ref.)

Ca-exchange, Ca-channels and Ca-antagonists. Droogmans G, et al. **Experientia** 1985 Jul 15;41(7):895-900 (82 ref.)

The role of myosin phosphorylation in the contraction-relaxation cycle of smooth muscle. Ikebe M, et al. **Experientia** 1985 Aug 15;41(8):1006-10

Current problems in smooth muscle mechanics. Johansson B. **Experientia** 1985 Aug 15;41(8):1017-20

Energy metabolism and transduction in smooth muscle. Lynch RM, et al. **Experientia** 1985 Aug 15;41(8):970-7 (48 ref.)

Mechanical and biochemical characterization of the contraction elicited by a calcium-independent myosin light chain kinase in chemically skinned smooth muscle. Mrwa U, et al. **Experientia** 1985 Aug 15;41(8):1002-6

Modulation of calcium sensitivity in guinea pig taenia coli: skinned fiber studies. Rüegg JC, et al. **Experientia** 1985 Aug 15;41(8):997-1001 (50 ref.)

Energetics and regulation of crossbridge states in mammalian smooth muscle. Siegman MJ, et al. **Experientia** 1985 Aug 15;41(8):1020-5

Calcium and sodium distribution and movements in smooth muscle. Somlyo AP, et al. **Experientia** 1985 Aug 15; 41(8):981-8 (57 ref.)

Possibility of metabolic control of membrane excitation. Tomita T, et al. **Experientia** 1985 Aug 15;41(8):963-70 (34 ref.)

Influence of an actin-modulating protein from smooth muscle on actin-myosin interaction. Strzelecka-Gołaszewska H, et al. **FEBS Lett** 1984 Nov 19;177(2):209-16

Diurnal changes in myoelectric spiking activity of the human colon. Frexinos J, et al. **Gastroenterology** 1985 May;88(5 Pt 1):1104-10

Electrophysiologic control of motility in the human colon. Huizinga JD, et al. **Gastroenterology** 1985 Feb;88(2):500-11

Functional and structural changes in intestinal smooth muscle after jejunoileal bypass in rats. Weisbrodt NW, et al. **Gastroenterology** 1985 Apr;88(4):958-63

The effects of the replacement of K+ by Tl+, Rb+, and NH+4 on the muscle membrane potential. Edwards C, et al. **Gen Physiol Biophys** 1984 Jun;3(3):259-64

Intracellular electrical activity in circular muscle of canine colon. Chambers MM, et al. **Gut** 1984 Nov;25(11):1268-70

IgG vs IgE: mediators of antigen-induced guinea pig tracheal contraction. Regal JF. **Immunopharmacology** 1984 Dec; 8(3-4):111-9

Failure of cholinergic blockade to prevent bronchodilatation following deep inspiration. Day A, et al. **J Appl Physiol** 1985 May;58(5):1449-52

Respiratory epithelium inhibits bronchial smooth muscle tone. Flavahan NA, et al. **J Appl Physiol** 1985 Mar; 58(3):834-8

Augmentation of parasympathetic contraction in tracheal and bronchial airways by PGF2 alpha in situ. Leff AR, et al. **J Appl Physiol** 1985 May;58(5):1558-64

Inspiratory rhythm in airway smooth muscle tone. Mitchell RA, et al. **J Appl Physiol** 1985 Mar;58(3):911-20

A technique to locate the pacemaker in smooth muscles. Publicover NG, et al. **J Appl Physiol** 1984 Nov; 57(5):1586-90

Reflex tracheal contraction evoked in dogs by bronchodilator prostaglandins E2 and I2. Roberts AM, et al. **J Appl Physiol** 1985 Jun;58(6):1823-31

Endogenous prostaglandins modulate histamine-induced contraction in canine tracheal smooth muscle. Shore SA, et al. **J Appl Physiol** 1985 Mar;58(3):859-68

Dilating forces on the upper airway of anesthetized dogs. Strohl KP, et al. **J Appl Physiol** 1985 Feb;58(2):452-8

Electrical and mechanical responses of the bovine retractor penis to nerve stimulation and to drugs. Byrne NG, et al. **J Auton Pharmacol** 1984 Dec;4(4):261-71

Electrical stimulation of smooth muscle strips from the urinary bladder of the pig. van Mastrigt R, et al. **J Biomed Eng** 1985 Jan;7(1):2-8

Chronic denervation of rat hemidiaphragm: maintenance of fiber heterogeneity with associated increasing uniformity of myosin isoforms. Carraro U, et al. **J Cell Biol** 1985 Jan; 100(1):161-74

Comparison of intracellular and extracellular mitogenic activity. Gajdusek CM, et al. **J Cell Physiol** 1984 Nov; 121(2):316-22

Is vasoactive intestinal peptide an inhibitory transmitter in the circular but not the longitudinal muscle of guinea-pig colon? Bennett A, et al. **J Pharm Pharmacol** 1984 Nov; 36(11):787-8

Comparative effects of sodium azide and aminophylline on the rat isolated uterus during muscle activation. Milovanović SR, et al. **J Pharm Pharmacol** 1985 Jun; 37(6):423-4

Measurement of human small airway smooth muscle function in vitro with the bronchiolar strip preparation. de Jongste JC, et al. **J Pharmacol Methods** 1985 Sep;14(2):111-8

Effects of calcium and substrate on force-velocity relation and energy turnover in skinned smooth muscle of the guinea-pig. Arner A, et al. **J Physiol (Lond)** 1985 Mar; 360:347-65

Myoelectrical activity and propulsion in the large intestine of fed and fasted rats. Ferré JP, et al. **J Physiol (Lond)** 1985 May;362:93-106

A comparison of spontaneous and nerve-mediated activity in bladder muscle from man, pig and rabbit. Sibley GN. **J Physiol (Lond)** 1984 Sep;354:431-43

Effects of readmission of substrate on the membrane potential in glycogen-depleted guinea-pig taenia coli. Takai A, et al. **J Physiol (Lond)** 1985 May;362:39-50

Hormonal influence on the neurogenic response of the hamster vas deferens. Belis JA, et al. **J Urol** 1985 Apr; 133(4):729-32

Reconstruction of the lower urinary tract: observations on bowel dynamics and the artificial urinary sphincter. Light JK, et al. **J Urol** 1985 Apr;133(4):594-7

Contractant and relaxant properties of the female rabbit urethral submucosa. Mattiasson A, et al. **J Urol** 1985 Feb; 133(2):304-10

Adrenergic and non-adrenergic contraction of isolated urethral muscle from rabbit and man. Mattiasson A, et al. **J Urol** 1985 Feb;133(2):298-303

Receptor operated intracellular calcium stores in the smooth muscle of the guinea pig bladder. Mostwin JL. **J Urol** 1985 May;133(5):900-5

Increase in membrane permeability in the absence of Ca and Mg in the smooth muscle of guinea-pig taenia coli. Karaki H, et al. **Jpn J Pharmacol** 1985 Jan;37(1):59-65

A smooth muscle exciatory material from the nerve of Remak of the chicken rectum. Komori S, et al. **Jpn J Pharmacol** 1984 Dec;36(4):431-40

Effects of divalent cations on the inhibitory potentials in the duodenal smooth muscle cells of the guinea-pig. Ohkawa H. **Jpn J Physiol** 1984;34(3):407-25

Contribution of intracellular stored calcium to contractile activation in contractures of stomach circular muscle of Bufo vulgaris formosus. Shinohara Y, et al. **Jpn J Physiol** 1984;34(3):443-55

Facilitation of isoproterenol induced airway smooth muscle relaxation by nifedipine. Elguindi AS, et al. **Life Sci** 1985 Jan 7;36(1):75-81

Comparison of alpha-tropomyosin sequences from smooth and striated muscle. Ruiz-Opazo N, et al. **Nature** 1985 May 2-8;315(6014):67-70

An analysis of 5-hydroxytryptamine receptors mediating contraction of isolated smooth muscle. Feniuk W. **Neuropharmacology** 1984 Dec;23(12B):1467-72 (34 ref.)

Autonomic neuroeffector mechanisms in smooth muscle. Burnstock G. **Nippon Heikatsukin Gakkai Zasshi** 1984 Oct; 20(5):365-92 (206 ref.)

High K-induced contractions in rabbit and monkey tracheal smooth muscle. Ueda F, et al. **Nippon Heikatsukin Gakkai Zasshi** 1983 Dec;19(6):541-9

Possible mechanism of adrenergic and nonadrenergic inhibition in intestinal smooth muscle cells. Baidan LV, et al. **Pflugers Arch** 1985 Apr;403(4):429-32

Force generated by non-cycling crossbridges at low ionic strength in skinned smooth muscle from Taenia coli. Gagelmann M, et al. **Pflugers Arch** 1985 Feb;403(2):210-4

The time course of changes in contraction kinetics during the tonic activation of the rat tracheal smooth muscle. Peiper U, et al. **Pflugers Arch** 1984 Sep;402(1):83-7

Pharmacomechanical coupling in smooth muscle may involve phosphatidylinositol metabolism. Baron CB, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6899-903

Prejunctional alpha 2-adrenoceptor mediated inhibitory action of clonidine and B-HT 920, but not urapidil in guinea pig ileum. Shebuski RJ, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):133-8

Rapidly-adapting receptor activity and intratracheal pressure in guinea pigs. I. Action of leukotriene C4. Bergren DR, et al. **Prostaglandins Leukotrienes Med** 1984 Nov; 16(2):147-61

Rapidly-adapting receptor activity and intratracheal pressure in guinea pigs. II. Action of aspirin and salicylic acid in antagonizing mediators of allergic asthma. Bergren DR, et al. **Prostaglandins Leukotrienes Med** 1984 Nov; 16(2):163-71

Analysis of the antagonist profile of SK&F 88046 on guinea pig trachea. Weichman BM, et al. **Prostaglandins Leukotrienes Med** 1984 Aug;15(2):167-75

The effect of alteration in temperature on contractile responses in human airways in vitro. Black JL, et al. **Respir Physiol** 1984 Sep;57(3):269-77

Some properties of calcium-induced contraction in the isolated human and guinea-pig tracheal smooth muscle. Ito M, et al. **Respir Physiol** 1985 Feb;59(2):143-53

Stimulation of group III and IV muscle afferents reflexly decreases total pulmonary resistance in dogs. Rybicki KJ, et al. **Respir Physiol** 1985 Feb;59(2):185-95

The catch mechanism of molluscan smooth muscles. Chen GX, et al. **Sci Sin [B]** 1984 Jun;27(6):583-9

Ca2+ and Ca2+-activated K+ currents in mammalian gastric smooth muscle cells. Mitra R, et al. **Science** 1985 Jul 19;229(4710):269-72

[Effects of high K on the ciliary muscle] Suzuki R, et al. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):364-7 (Eng. Abstr.) **(Jpn)**

[Abstracts of papers presented at the 26th annual meeting of the Japan Society of Smooth Muscle Research (I)] **Nippon Heikatsukin Gakkai Zasshi** 1984 Jul;20(3):147-262 **(Jpn)**

[Effect of vitamins A, D3 and E on intestinal motility in rabbits in chronic experiments and in vitro] Nagórna-Stasiak B, et al. **Pol Arch Weter** 1984;24(2):215-27

(Eng. Abstr.) **(Pol)**

[Separation of the calcium current in isolated smooth muscle cells] Ganitkevich VIa, et al. **Dokl Akad Nauk SSSR** 1985; 282(3):717–20 **(Rus)**

[Electrophysiological properties of the membrane smooth muscle cells in lymphatic vessels] Lobov GI. **Dokl Akad Nauk SSSR** 1984 Jul–Aug;277(1):244–7 **(Rus)**

[Calcium channel and the contraction of smooth muscle cells] Rekalov VV, et al. **Dokl Akad Nauk SSSR** 1985; 281(2):462–6 **(Rus)**

[Membrane mechanisms of smooth-muscle cell excitation] Shuba MF, et al. **Fiziol Zh** 1984 Sep–Oct;30(5):545–59 (Eng. Abstr.) **(Rus)**

[Effect of enkephalins on the motor function of smooth-muscle cells of the stomach and mesenteric lymphatic vessels] Zverev MD, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):255–8 **(Rus)**

[Electrophysiological properties of the membrane of smooth muscle cells from bovine lymphatic vessels] Lobov GI. **Zh Evol Biokhim Fiziol** 1985 May–Jun;21(3):271–6 (Eng. Abstr.) **(Rus)**

[Development of the contractile activity of the thoracic duct in dogs in postnatal ontogenesis] Tashenova LK, et al. **Zh Evol Biokhim Fiziol** 1984 Sep–Oct;20(5):549–52 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Age-related changes in colonic function in rats. McDougal JN, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):G542–6

Gastrointestinal myoelectric activity in fasting and nonfasting canine models of ileus. Brolin RE, et al. **Arch Surg** 1985 Apr;120(4):417–23

Dysfunction of calcium handling by smooth muscle in hypertension. Kwan CY. **Can J Physiol Pharmacol** 1985 Apr;63(4):366–74 (79 ref.)

Role of calcium in airway smooth muscle contraction and mast cell secretion. Fanta CH. **J Asthma** 1984;21(6):387–405

The significance of uninhibited detrusor contractions in prostatism. Dørflinger T, et al. **J Urol** 1985 May; 133(5):819–21

Effects of long-term catheter implantation on the contractile and histological properties of the canine bladder. Hoekstra JW, et al. **J Urol** 1985 Apr;133(4):709–12

Recovery from short-term obstruction of the rabbit urinary bladder. Levin RM, et al. **J Urol** 1985 Aug;134(2):388–90

Diagnosis of the unstable detrusor: comparison of an incremental and continuous infusion technique. Low JA, et al. **Obstet Gynecol** 1985 Jan;65(1):99–103

Hypersensitivity to norepinephrine in vasa deferentia from diabetic rats. Possible participation of metabolic products of arachidonic acid. Peredo H, et al. **Prostaglandins Leukotrienes Med** 1984 Aug;15(2):229–39

Detrusor activity at rest in patients with idiopathic detrusor hyperreflexia. Nørgaard JP, et al. **Urol Res** 1984; 12(4):209–11

[Multiple sclerosis with bladder-sphincter dyssynergia] Cendrowski W. **Wiad Lek** 1984 Sep 1;37(17):1378–9 (Eng. Abstr.) **(Pol)**

[A method of external electroenterography in surgical practice] Gostishchev VK, et al. **Sov Med** 1984;(8):77–82 **(Rus)**

[Effect of pentagastrin on the emptying function of the stomach and pyloric sphincter tonus in patients with duodenal ulcer] Saakian AG. **Ter Arkh** 1985;57(2):15–8 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Anal sphincter substitute using autologous smooth muscle in a fold-over, half-cylinder, double plasty (SMFD-plasty): a new method of treatment of anorectal incontinence. Hofmann-von Kap-herr S, et al. **J Pediatr Surg** 1985 Apr;20(2):134–7

[Myoelectric activity of the colostomy with sphincter muscle replacement] Imhof M, et al. **Chirurg** 1985 Feb;56(2):105–8 (Eng. Abstr.) **(Ger)**

[Transabdominal circumrectal use of Schmidt-plasty with free transplanted autologous intestinal musculature in complete anal sphincter incontinence] Köle W, et al. **Chirurg** 1985 Apr;56(4):276–9 **(Ger)**

[Late results following smooth muscle sphincter replacement] Schmidt E. **Chirurg** 1985 May;56(5):305–10 **(Ger)**

ULTRASTRUCTURE

Ultrastructure and innervation of smooth muscle in the porcine oviduct. Rodriguez-Martinez H, et al. **Anat Histol Embryol** 1985 Mar;14(1):33–46

Myofibroblasts in filtration operations. Reddick R, et al. **Ann Ophthalmol** 1985 Mar;17(3):200–3

Subcellular localization of [3H]-nitrendipine binding sites in guinea-pig ileal smooth muscle. Godfraind T, et al. **Br J Pharmacol** 1985 Jun;85(2):335–40

Transverse bands in smooth muscle cells. Gabella G. **Cell Tissue Res** 1984;237(2):203–8

New views of smooth muscle structure using freezing, deep-etching and rotary shadowing. Somlyo AV, et al. **Experientia** 1985 Jul 15;41(7):841–56

Ultrastructural study of cultured smooth muscle cells from uterine leiomyoma and myometrium under the influence of sex steroids. Kawaguchi K, et al. **Gynecol Oncol** 1985 May;21(1):32–41

Human smooth muscle cell cultures of the stomach. Morphologic and biochemical studies. Ionasescu R, et al. **In Vitro Cell Dev Biol** 1985 Jul;21(7):368–72

Identification and localization of immunoreactive forms of caldesmon in smooth and nonmuscle cells: a comparison with the distributions of tropomyosin and alpha-actinin. Bretscher A, et al. **J Cell Biol** 1985 May;100(5):1656–63

Ultrastructural localization of alpha-actinin and filamin in cultured cells with the immunogold staining (IGS) method. Langanger G, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1324–34

Localization and topography of antigenic domains within the heavy chain of smooth muscle myosin. Schneider MD, et al. **J Cell Biol** 1985 Jul;101(1):66–72

Ultrastructural features and localization of the interstitial cells of Cajal in the smooth muscle coat of human esophagus. Faussone-Pellegrini MS, et al. **J Submicrosc Cytol** 1985 Apr;17(2):187–97

The architecture of the musculature of the guinea-pig ureter as examined by scanning electron microscopy. Tachibana S, et al. **J Urol** 1985 Sep;134(3):582–6

[Ultrastructural modifications of the tunica muscularis in congenital obstruction of the upper urinary tract. Physiopathological interpretations and anatomo-clinical correlations] Faussone-Pellegrini MS, et al. **J Urol (Paris)** 1984;90(3):217–26 (Eng. Abstr.) **(Fre)**

MUSCLE, SMOOTH, VASCULAR

Ultrastructure, function and composition of smooth muscle. Somlyo AP, et al. **Ann Biomed Eng** 1983;11(6):579–88

[Pathogenesis and clinical significance of Mönckeberg medial calcinosis] Füessl HS, et al. **Klin Wochenschr** 1985 Mar 1;63(5):211–6 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Longitudinal smooth muscle in pulmonary arteries. Occurrence in congenital heart disease. Wagenvoort CA, et al. **Virchows Arch [A]** 1984;404(3):265–74

ANALYSIS

Preparation and characterization of bovine aortic actin. Cavadore JC, et al. **Biochem J** 1985 Jun 1;228(2):433–41

Bovine aorta actin. Development of an improved purification procedure and comparison of polymerization properties with actins from other types of muscle. Strzelecka-Golaszewska H, et al. **Biochim Biophys Acta** 1985 Mar 22;828(1):13–21

Direct measurement of vascular alpha 1-adrenoceptors. Hoffman BB, et al. **Clin Sci** 1985;68 Suppl 10:35s–37s

A Ca2+-sensitive actin regulatory protein from smooth muscle. Kanno K, et al. **FEBS Lett** 1985 May 20; 184(2):202–6

An in vivo study of the alpha-adrenoreceptor subtypes on the renal vasculature of the anaesthetized rabbit. Hesse IF, et al. **J Auton Pharmacol** 1984 Sep;4(3):145–52

Actin and tropomyosin variants in smooth muscles. Dependence on tissue type. Fatigati V, et al. **J Biol Chem** 1984 Dec 10;259(23):14383–8

Cell type specific electrophoretic polypeptide profiles of cultured bovine cells. Lincoln DW 2d, et al. **J Cell Sci** 1984 Dec;72:135–45

Total cytoplasmic calcium in relaxed and maximally contracted rabbit portal vein smooth muscle. Bond M, et al. **J Physiol (Lond)** 1984 Dec;357:185–201

[Localization of glucagon receptors in intestinal and vascular smooth muscle fibers in the dog. Use of autoradiographic technics] Santamaría L, et al. **Rev Esp Enferm Apar Dig** 1985 Apr;67(4):301–8 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Mechanical stimulation of smooth muscle cells by arterial pulsations. An important stimulus for the formation of elastic laminae in arterial tissue. v.d. Lei B, et al. **Cell Biol Int Rep** 1985 Jan;9(1):2

Functional anatomy of the perivascular tissue in the adductor canal. de Souza RR, et al. **Gegenbaurs Morphol Jahrb** 1984; 130(5):733–8

[Interconversion of spiral D- and L-enantiomorphs of vascular muscles] Pshenichnyĭ AN. **Arkh Anat Gistol Embriol** 1985 May;88(5):37–43 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Role of medial lamellar architecture in the pathogenesis of aortic aneurysms. Zatina MA, et al. **J Vasc Surg** 1984 May; 1(3):442–8

[Improved blood flow in the organs and the prevention of thrombus formation with cold] Urakov AL, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):19–21 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Possible role of endothelium in the orientation of smooth muscle cells in experimental neointima. Reimers D, et al. **Acta Anat (Basel)** 1985;121(3):140–6

Examination of a spontaneously transformed aortic smooth muscle cell line. I. Morphological examinations. Csonka E, et al. **Acta Morphol Hung** 1984;32(3–4):195–205

Separation of arterial smooth muscle cell subpopulations with different growth patterns. Björkerud S. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Sep; 92(5):293–301

Tobacco constituents are mitogenic for arterial smooth-muscle cells. Becker CG, et al. **Am J Pathol** 1985 Jul;120(1):1–5

Initial characterization of a peripheral blood mononuclear cell chemoattractant derived from cultured arterial smooth muscle cells. Valente AJ, et al. **Am J Pathol** 1984 Dec; 117(3):409–17

Disobutamide-induced cytoplasmic vacuoles in cultured dog coronary artery muscle cells. Ruben Z, et al. **Arch Toxicol** 1984 Sep;55(3):206–12

A smooth muscle cell line suitable for the study of voltage sensitive calcium channels. Rüegg UT, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):447–53

Variables controlling the secretion of a somatomedin-like peptide by cultured porcine smooth muscle cells. Clemmons DR. **Circ Res** 1985 Mar;56(3):418–26

Significance of quiescent smooth muscle migration in the injured rat carotid artery. Clowes AW, et al. **Circ Res** 1985 Jan;56(1):139–45

Locally acting growth factors for vascular smooth muscle cells: endogenous synthesis and release from platelets. Bowen-Pope DF, et al. **Circulation** 1985 Oct;72(4):735–40 (56 ref.)

Effect of plasma, serum and platelets from diabetics on DNA synthesis in cultured vascular smooth muscle cells. Umeda F, et al. **Clin Invest Med** 1985;8(1):35–40

Altered growth kinetics of dermal fibroblasts and arterial smooth muscle cells from spontaneously diabetic BB rats. Bowersox JC, et al. **Diabetes** 1985 Jul;34(7):628–33

Stimulatory effect of insulin on aortic smooth muscle cell migration induced by 12-L-hydroxy-5,8,10,14-eicosatetraenoic acid and its modulation by elevated extracellular glucose levels. Nakao J, et al. **Diabetes** 1985 Feb;34(2):185–91

Exposure to platelet-derived growth factor modulates the porcine aortic smooth muscle cell response to somatomedin-C. Clemmons DR. **Endocrinology** 1985 Jul; 117(1):77–83

Proliferative heterogeneity of vascular smooth muscle cells and its alteration by injury. Haudenschild CC, et al. **Exp Cell Res** 1985 Apr;157(2):364–70

Toxicity of renal lysosomal contents on aortic smooth muscle cells in culture. Kai-Yamamoto M, et al. **Exp Mol Pathol** 1984 Dec;41(3):338–43

Angiotensin increases cytosolic free calcium in cultured vascular smooth muscle cells. Brock TA, et al. **Hypertension** 1985 May–Jun;7(3 Pt 2):I105–9

Evidence for endothelium-derived relaxing factor in cultured cells. Loeb AL, et al. **Hypertension** 1985 Sep–Oct; 7(5):804–7

Isolation and characterization of a Mr = 38,000 protein from differentiating smooth muscle cells. Millis AJ, et al. **J Biol Chem** 1985 Mar 25;260(6):3754–61

Effect of TPA on ion fluxes and DNA synthesis in vascular smooth muscle cells. Owen NE. **J Cell Biol** 1985 Aug; 101(2):454–9

Interaction of circulating cell-derived and plasma growth factors in stimulating cultured smooth muscle cell replication. Clemmons DR. **J Cell Physiol** 1984 Nov; 121(2):425–30

Cultivated human arterial smooth muscle displays heterogeneous pattern of growth and phenotypic variation. Björkerud S. **Lab Invest** 1985 Sep;53(3):303–10

Spatial dispersion of spindle cells in the human thoracic aorta. Tracy RE, et al. **Lab Invest** 1985 Jan;52(1):85–92

Primary cultures of enzyme-isolated cells from normal and atherosclerotic human aorta. Orekhov AN, et al. **Med Biol** 1984;62(4):255–9

Hypertrophy of arteriolar smooth muscle cells in the rat small intestine during maturation. Miller BG, et al. **Microvasc Res** 1985 Jan;29(1):56–69

In vitro inhibition of rat arterial smooth muscle cell growth by extractive sulfated mucopolysaccharides. Musanti R, et al. **Pharmacol Res Commun** 1985 Jan;17(1):69–84

Mammalian cell growth on collagen-hydrogels. Toselli P, et al. **Scan Electron Microsc** 1984;(Pt 3):1301–12

Isolation and culture of a tetraploid subpopulation of smooth muscle cells from the normal rat aorta. Goldberg ID, et al. **Science** 1984 Nov 2;226(4674):559–61

Platelet-mediated cholesterol accumulation in cultured aortic smooth muscle cells. Kruth HS. **Science** 1985 Mar 8; 227(4691):1243–5

[Determination of aortic medial wall smooth muscle cell and nucleic DNA in stroke-prone hypertensive rats] Hasegawa M, et al. **Nippon Ronen Igakkai Zasshi** 1984 May; 21(3):255–60 (Eng. Abstr.) **(Jpn)**

[Principle of description of the orientation of smooth muscle cells in the walls of blood vessels] Pshenichnyĭ AN. **Arkh Anat Gistol Embriol** 1985 Feb;88(2):83–6 **(Rus)**

DRUG EFFECTS

A novel 1,4 dihydropyridine, BAY K 8644, with contractile effects on vascular smooth muscle. Mikkelsen E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):44–9

Effects of light and BAY K 8644, a new 1,4-dihydropyridine, on mechanical responses of rat thoracic aorta. Mikkelsen E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Feb; 56(2):126–32

Effects of theophylline on small human placental arteries in vitro. Nielsen-Kudsk JE.

Acta Pharmacol Toxicol (Copenh) 1985 Jan;56(1):14-9

Pre- and postjunctional effects of NPY on sympathetic control of rat femoral artery. Lundberg JM, et al. **Acta Physiol Scand** 1985 Apr;123(4):511-3

Influence of extracellular calcium and nifedipine on alpha 1- and alpha 2-adrenoceptor-mediated contractile responses in isolated rat and cat cerebral and mesenteric arteries. Skärby T, et al. **Acta Physiol Scand** 1985 Apr;123(4):445-56

Characterization of the prostanoid receptors and of the contractile effects of prostaglandin F2 alpha in human pial arteries. Uski TK, et al. **Acta Physiol Scand** 1984 Aug;121(4):369-78

Calcium-entry blockers, vascular smooth muscle and systemic hypertension. Vanhoutte PM. **Am J Cardiol** 1985 Jan 25;55(3):17B-23B (45 ref.)

A theoretic consideration on the use of calcium antagonists in the treatment of hypertension. Van Breemen C, et al. **Am J Med** 1984 Oct 5;77(4A):26-30

Serotonin, histamine, and norepinephrine mediation of endothelial and vascular smooth muscle cell movement. Bottaro D, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C252-7

Restoration of coronary dilator action of adenosine in experimental diabetes. Downing SE. **Am J Physiol** 1985 Jul;249(1 Pt 2):H102-7

Endothelium-dependent vasodilation by melittin: are lipoxygenase products involved? Förstermann U, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H14-9

Nitrendipine: effects on vascular responses and myocardial binding. McBride W, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H775-83

Norepinephrine-induced phasic activity in tail arteries from genetically hypertensive rats. Myers JH, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H419-23

Norepinephrine-induced beta 1-adrenergic peripheral vasodilation in conscious dogs. Vatner SF, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H49-56

Contractile responses to histamine of isolated pulmonary artery strips from healthy and heartworm-infected dogs. O'Malley NA, et al. **Am J Vet Res** 1985 Jul;46(7):1463-7

Prolonged hyporesponsiveness of vascular smooth muscle contraction after halothane anesthesia in rabbits. Spiss CK, et al. **Anesth Analg** 1985 Jan;64(1):1-6

Halothane-induced changes in the release and disposition of norepinephrine at adrenergic nerve endings in dog saphenous vein. Lunn JJ, et al. **Anesthesiology** 1984 Oct;61(4):377-84

Unusual effects of histamine antagonists on canine nasal blood vessels. Ichimura K, et al. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):313-8

Thromboxane A2-induced vascular endothelial cell damage and respiratory smooth muscle cell contraction: inhibition by flunarizine, a Ca2+-overload blocker. De Clerck F, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):4-23

Lack of an effect of drugs acting at histamine receptors on norepinephrine-induced relaxation of porcine coronary arteries. Horst MA, et al. **Arch Int Pharmacodyn Ther** 1984 Dec;272(2):277-82

Effects of procaine on the isolated dog coronary artery. Imai S, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):98-105

Nafazatrom (BAY g 6575), a potent stimulator of prostacyclin release from cardiac and renal vessel wall. Klitzke AK. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):220-8

Influence of hyperosmolarity on induced contractions of arterial smooth muscle in vitro. Krishnamurty VS, et al. **Arch Int Pharmacodyn Ther** 1984 Jul;270(1):38-49

System and organ-selectivity of smooth muscle relaxants on in vitro spontaneously contracting preparations. Manzini S, et al. **Arch Int Pharmacodyn Ther** 1984 Jul;270(1):50-60

Interaction between non-steroidal antiinflammatory agents and sodium salicylate in the relaxant response of dog renal arteries to angiotensin II. Miyazaki M, et al. **Arch Int Pharmacodyn Ther** 1985 Apr;274(2):210-22

Vasoconstriction of carotid artery induced by hydroperoxides. Heinle H. **Arch Int Physiol Biochim** 1984 Nov;92(4):267-71

Different sensitivity of basilar and saphenous arteries to thromboxane A2-induced contractions. Effect of imidazole 2-hydroxybenzoate (ITF 182). Pagella PG, et al. **Arzneimittelforsch** 1984;34(11):1514-6

Postjunctional alpha-adrenoceptors and influence of angiotensin II in different isolated blood vessels. Palluk R, et al. **Arzneimittelforsch** 1985;35(1A):395-401

Inhibition of potassium-induced contracture of the isolated rat aorta by amiloride. Pinon JF, et al. **Arzneimittelforsch** 1985;35(1A):421-3

Comparison of the effects of nifedipine on ureter and coronary artery isolated from the dog. Sakanashi M, et al. **Arzneimittelforsch** 1985;35(3):584-7

Calcium antagonistic properties of nicardipine, a dihydropyridine derivative assessed in isolated cerebral arteries and cardiac muscle. Nakayama K, et al. **Arzneimittelforschung** 1985;35(4):687-93

Acetylcholine induces constriction of epicardial coronary arteries in anesthetized dogs after removal of endothelium. Schipke JD, et al. **Arzneimittelforschung** 1985;35(6):926-9

Effect of ryodipine on electromechanical parameters of heart and vessels, cAMP phosphodiesterase activity and swelling-contraction cycle of mitochondria. Velena AH, et al. **Arzneimittelforschung** 1985;35(6):907-14

Prostaglandin E1 inhibits DNA synthesis in arterial smooth muscle cells stimulated with platelet-derived growth factor. Nilsson J, et al. **Atherosclerosis** 1984 Oct;53(1):77-82

Vasoconstrictor agents correlatively alter diameter and tension development in isolated pig coronary arteries. Nagata Y, et al. **Basic Res Cardiol** 1985 Mar-Apr;80(2):210-7

Effect of the calcium entry blocker, flunarizine, on ruthenium red uptake by endothelial cells following acute electrical stimulation of rabbit carotid arteries. Viele D, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):59-65

Phorbol ester-induced contraction of arterial smooth muscle and inhibition of alpha-adrenergic response. Danthuluri NR, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1103-9

Nitrendipine potentiates Bay k 8644-induced contraction of isolated porcine coronary artery: evidence for functionally distinct dihydropyridine receptor subtypes. Dube GP, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1295-302

Structure-activity relationships of atrial natriuretic factor (ANF). II. Effect of chain-length modifications on vascular reactivity. Garcia R, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):178-84

Receptor-mediated mitogenic effects of substance P on cultured smooth muscle cells. Payan DG. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):104-9

Inositol-1,4,5-trisphosphate releases calcium from skinned cultured smooth muscle cells. Yamamoto H, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):270-4

Effect of esterastin, an acid lipase inhibitor, on the free and esterified cholesterol contents of cultured aortic smooth muscle cells treated with LDL and cholesterol ester liquid crystals. Ecsedi GG, et al. **Biochem Int** 1985 Mar;10(3):337-42

Antagonism of prostaglandin-mediated responses in platelets and vascular smooth muscle by 13-azaprostanoic acid analogs. Evidence for selective blockade of thromboxane A2 responses. Huzoor-Akbar, et al. **Biochem Pharmacol** 1985 Mar 1;34(5):641-7

The effects of BAY-K-8644 on the contraction of cat middle cerebral and femoral arteries. Salaices M, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3131-5

Alteration of the extracellular matrix of smooth muscle cells by ascorbate treatment. Barone LM, et al. **Biochim Biophys Acta** 1985 Jun 18;840(2):245-54

An alpha-adrenoceptor-blocking action of SGB-483, a new piperazine antihypertensive agent in isolated vascular smooth muscles. Satake N, et al. **Blood Vessels** 1984;21(6):298-305

Absence of a role for superoxide anion, hydrogen peroxide and hydroxyl radical in endothelium-mediated relaxation of rabbit aorta. Silin PJ, et al. **Blood Vessels** 1985;22(2):65-73

Pharmacological characterization of alpha-adrenergic receptor subtypes mediating contraction in human mesenteric arteries and veins. Törnebrandt K, et al. **Blood Vessels** 1985;22(4):179-95

Pharmacological effects of (+/-)-11-deoxy, 16-phenoxy-prostaglandin E1 derivatives in the cardiovascular system. Banerjee AK, et al. **Br J Pharmacol** 1985 Jan;84(1):71-80

Evidence for neuro-effector transmission through postjunctional alpha 2-adrenoceptors in human saphenous vein. Docherty JR, et al. **Br J Pharmacol** 1985 Feb;84(2):573-6

Selectivity and potency of 2-alkyl analogues of the alpha 2-adrenoceptor antagonist idazoxan (RX 781094) in peripheral systems. Doxey JC, et al. **Br J Pharmacol** 1984 Nov;83(3):713-22

Comparison of the effects of caffeine and procaine on noradrenergic transmission in the guinea-pig mesenteric artery. Fujii K, et al. **Br J Pharmacol** 1985 Mar;84(3):675-84

Effects of amosulalol on the electrical responses of guinea-pig vascular smooth muscle to adrenoceptor activation. Fujioka M, et al. **Br J Pharmacol** 1985 Feb;84(2):489-97

Vasoactivity of trimetazidine on guinea-pig isolated ductus arteriosus. Garnier D, et al. **Br J Pharmacol** 1985 Feb;84(2):517-24

A comparison of several calcium antagonists on uterine, vascular and cardiac muscles from the rat. Granger SE, et al. **Br J Pharmacol** 1985 May;85(1):255-62

Age-related changes in the sensitivity to verapamil and sodium nitroprusside of vascular smooth muscle of rabbit aorta. Karaki H, et al. **Br J Pharmacol** 1985 May;85(1):223-8

Responses to the beta 2-selective agonist procaterol of vascular and atrial preparations with different functional beta-adrenoceptor populations. O'Donnell SR, et al. **Br J Pharmacol** 1985 Jan;84(1):227-35

Calcium-dependence and antagonism of responses to alpha 1- and alpha 2-adrenoceptor agonists in vascular tissues from hypertensive and normotensive rats. Rutledge A, et al. **Br J Pharmacol** 1984 Sep;83(1):103-11

Responses of human, monkey and dog coronary arteries in vitro to carbocyclic thromboxane A2 and vasodilators. Toda N. **Br J Pharmacol** 1984 Oct;83(2):399-408

Calcium channel activation in vascular smooth muscle by BAY K 8644. Su CM, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1401-10

Flow and pressure responses of coronary arteries and veins to vasodilating agents. Sylven JC, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1365-73

Mechanism of hydralazine-induced relaxation of arterial smooth muscle. Ebeigbe AB, et al. **Cardiovasc Res** 1985 Jul;19(7):400-5

Vasopressin causes endothelium-dependent relaxations of the canine basilar artery. Katusic ZS, et al. **Circ Res** 1984 Nov;55(5):575-9

Effect of sodium-potassium pump inhibitors and membrane-depolarizing agents on sodium nitroprusside-induced relaxation and cyclic guanosine monophosphate accumulation in rat aorta. Rapoport RM, et al. **Circ Res** 1985 Jul;57(1):164-70

Inhibitors of prostaglandin synthesis augment beta-adrenergic responsiveness in canine coronary arteries. Rubanyi G, et al. **Circ Res** 1985 Jan;56(1):117-25

Leukotriene D4 relaxes canine renal and superior mesenteric arteries. Secrest RJ, et al. **Circ Res** 1985 Aug;57(2):323-9

Natriuretic and smooth muscle responses to human urinary natriuretic hormone in rats: relation to blood pressure and kallikrein excretion in patients. Mills IH, et al. **Clin Exp Hypertens [A]** 1985;7(5-6):783-92

In vitro calcium dependence of arterial smooth muscle in human hypertension. Lipe S, et al. **Clin Exp Pharmacol Physiol** 1985 May-Jun;12(3):319-23

Mechanism of isoprenaline induced desensitization of rabbit aortic smooth muscle beta-adrenoceptor responses. Little PJ, et al. **Clin Exp Pharmacol Physiol** 1984 Sep-Oct;11(5):503-11

Investigations into the nature of alpha 2-adrenoceptors in rat tail arteries. Marwood JF, et al. **Clin Exp Pharmacol Physiol** 1985 May-Jun;12(3):231-4

Role of endothelium in the contractile response of rat aorta to alpha-adrenoceptor agonists. Godfraind T, et al. **Clin Sci** 1985;68 Suppl 10:65s-71s

Attempts to uncover subtypes of alpha-adrenoceptors and associated mechanisms by using sequential administration of blocking drugs. Grant TL, et al. **Clin Sci** 1985;68 Suppl 10:25s-30s

Studies of alpha 2-adrenoceptor antagonist potency in vitro: comparisons in tissues from rats, rabbits, dogs and humans. Waterfall JF, et al. **Clin Sci** 1985;68 Suppl 10:21s-24s

Isolation of substances with vascular permeability-increasing activity from the skin of the plaice (Pleuronectes platessa L.). Ashraf AJ, et al. **Comp Biochem Physiol [C]** 1985;81(1):53-6

Fibrinolytic activity in plasma and vessels of the hind leg in rats treated with ethinylestradiol and D-norgestrel. Kjaeldgaard A, et al. **Contraception** 1984 Aug;30(2):169-78

Phenotype modulation in primary cultures of arterial smooth-muscle cells. Dual effect of prostaglandin E1. Sjölund M, et al. **Differentiation** 1984;27(2):158-62

Prostaglandins modulate arterial cholesteryl ester metabolism. Hajjar DP. **Enzyme** 1984;32(4):218-27

Vasoactive drugs and elastic properties of human arteries in vivo, with special reference to the action of nitroglycerine. Westling H, et al. **Eur Heart J** 1984 Aug;5(8):609-16

Pharmacological actions of the main metabolites of dihydroergotamine. Müller-Schweinitzer E. **Eur J Clin Pharmacol** 1984;26(6):699-705

Effects of pincainide on contractile responses and 45Ca movements in rat isolated vascular smooth muscle. Barrigón S, et al. **Eur J Pharmacol** 1985 May 8;111(2):227-33

The contractions induced in rat and guinea-pig aortic strips by the alpha 2-adrenoceptor selective agonists B-HT 920 and UK 14,304 are mediated by alpha 1-adrenoceptors. Beckeringh JJ, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):197-203

A comparative study on possible calcium antagonistic properties of indapamide and other drugs potentially interfering with calcium transport in isolated vascular smooth muscle. De Wildt DJ, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):401-10

Parenchymal and vascular strips from bovine lung respond differently to vasodilators. Gruetter CA, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):619-23

Cellular mechanisms of opiate receptor stimulation in cat middle cerebral artery. Harder DR, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):411-6

5HT-receptor antagonist properties of SCH 23390 in vascular smooth muscle and brain. Hicks PE, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):339-42

Inhibition of neuroeffector transmission in the rabbit mesenteric artery by [Met5]enkephalin. Illes P, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):397-8

Responses of isolated canine intermediate auricular arteries to 5-hydroxytryptamine and methysergide. Ito T, et al. **Eur J Pharmacol** 1984 Sep 3;104(1-2):105-9

Measurements of 45Ca2+ uptake and contractile responses after activation of postsynaptic alpha 1-adrenoceptors in the isolated canine saphenous vein: effects of calcium entry blockade. Jim KF, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):199-208

Evidence for two types of P2-purinoceptor in longitudinal muscle of the rabbit portal vein. Kennedy C, et al. **Eur J Pharmacol** 1985 Apr 23;111(1):49-56

SCH 23390 and SK&F 83566 are antagonists at vascular dopamine and serotonin receptors. Ohlstein EH, et al. **Eur J Pharmacol** 1985 Jan 22;108(2):205-8

The mechanism of cGMP-induced relaxation in vascular smooth muscle. Popescu LM, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):393-4

[Leu5]enkephalin inhibits norepinephrine-induced contraction of rat aorta. Ruth JA, et al. **Eur J Pharmacol** 1984 Oct 1;105(1-2):189-91

Effect of vasoactive intestinal polypeptide (VIP) on cyclic AMP level and relaxation in rat isolated aorta. Schoeffter P, et al. **Eur J Pharmacol** 1985 Feb 26;109(2):275-9

Excitatory and inhibitory effects of 5-hydroxytryptamine in mesenteric arteries of spontaneously hypertensive rats. Su C, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):283-90

Pregnancy: increased effect of verapamil in human uterine arteries. Suresh MS, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):387-91

Effects of normolipidemic high-density lipoproteins on proliferation of monkey aortic smooth muscle cells induced by hyperlipidemic low-density lipoproteins. Yoshida Y, et al. **Exp Mol Pathol** 1984 Oct;41(2):258-66

Comparison of the contractile effects of an extract of Ginkgo biloba and some neurotransmitters on rabbit isolated vena cava. Hellegouarch A, et al. **Gen Pharmacol** 1985; 16(2):129-32

Effect of captopril on norepinephrine vascular contractility. Ubeda M, et al. **Gen Pharmacol** 1985;16(3):303-6

Effects of manganese on 45Ca mobilization and contractile responses in rabbit aortic smooth muscle. Weiss GB, et al. **Gen Pharmacol** 1985;16(2):97-102

Effect of thyroid hormone on insulin action in cultured arterial smooth muscle cells. Pfeifle B, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:24-7

Angiotensin increases inositol trisphosphate and calcium in vascular smooth muscle. Alexander RW, et al. **Hypertension** 1985 May-Jun;7(3 Pt 1):447-51

Blood pressure, lanthanum-, and norepinephrine-induced mechanical response in thoracic aortic tissue. Laher I, et al. **Hypertension** 1984 Sep-Oct;6(5):700-8

Predominant sensitivity to tyramine in the isolated intermediate auricular artery of the dog. Chiba S, et al. **J Auton Pharmacol** 1985 Jun;5(2):109-14

Comparison of the responses to drugs acting on adrenoreceptors and muscarinic receptors in human isolated corpus cavernosum and cavernous artery. Hedlund H, et al. **J Auton Pharmacol** 1985 Mar;5(1):81-8

Neuronal dopamine receptors of the rabbit ear artery: pharmacological characterization of the receptor. Hieble JP, et al. **J Auton Pharmacol** 1985 Jun;5(2):115-24

Effect of ouabain on the responses to vasoconstrictor agents in isolated perfused rat tail arteries. Armsworth SJ, et al. **J Cardiovasc Pharmacol** 1985 Jul-Aug;7(4):694-9

Different Ca2+ channels along the arterial tree. Cauvin C, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 4:S4-10

Theoretical bases for vascular selectivity of Ca2+ antagonists. Cauvin C, et al. **J Cardiovasc Pharmacol** 1984; 6 Suppl 4:S630-8

Calcium antagonists and excitation of the vascular muscle membrane. Hermsmeyer K, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S933-6

Large and small vessel responses to serotonin in the peripheral circulation. Hollenberg NK. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S89-91

Direct and sensitizing effects of serotonin agonists and antagonists on vascular smooth muscle. Myers JH, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S44-8 (11 ref.)

Modulation of calcium ion influx by the 1,4-dihydropyridines nifedipine and BAY K 8644. Schramm M, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):493-6

Antagonism of Ca2+-induced constriction of isolated rabbit ear artery by nitrendipine in high K+- and/or norepinephrine-containing medium. Scriabine A, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S944-8

Antihypertensive action of nifedipine: effects on arteries and veins. Masotti G, et al. **J Clin Pharmacol** 1985 Jan-Feb; 25(1):27-35

The influence of dimethyl sulfoxide on cell growth and ultrastructural features of cultured smooth muscle cells. Katsuda S, et al. **J Electron Microsc (Tokyo)** 1984; 33(3):239-41

Cyclic AMP modulation of adrenoreceptor-mediated arterial smooth muscle contraction. Saida K, et al. **J Gen Physiol** 1984 Aug;84(2):307-18

Effect of chronic treatment with captopril on reactivity of aortic smooth muscle from normotensive and renal hypertensive rats. Kikta DC, et al. **J Hypertens** 1983 Oct; 1(3):267-75

Tetrahydropyrrolo[1,2-a]quinoxalines and tetrahydropyrrolo[1,2-a]pyrido[3,2-a]pyrazines: vascular smooth muscle relaxants and antihypertensive agents. Abou-Gharbia M, et al. **J Med Chem** 1984 Dec; 27(12):1743-6

Calcium channel antagonism by pizotifen. Peroutka SJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr;48(4):381-3

Effects of chlorbutol on 45Ca movements and contractile responses of rat aorta and its relevance to the actions of Syntocinon. Barrigon S, et al. **J Pharm Pharmacol** 1984 Aug;36(8):521-6

Inhibition by diethylcarbamazine of acetylcholine-induced endothelium-dependent relaxation of rabbit aorta: are leukotrienes involved? Förstermann U, et al. **J Pharm Pharmacol** 1984 Oct;36(10):696-7

Alpha-adrenoceptor blocking action of aaptamine, a novel marine natural product, in vascular smooth muscle. Ohizumi Y, et al. **J Pharm Pharmacol** 1984 Nov; 36(11):785-6

Pharmacological characterization of postsynaptic alpha-adrenoceptor subtypes in five different dog arteries in-vitro. Polónia JJ, et al. **J Pharm Pharmacol** 1985 Mar; 37(3):205-8

Possible mechanisms of inhibitory action of protamine on contractile activity of rat aorta. Uruno T, et al. **J Pharm Pharmacol** 1985 Jul;37(7):476-80

Pharmacological properties of N-(6-aminohexyl)-5-chloro-1-naphthalenesulfonamide (W-7), a calmodulin antagonist in arterial strips from rats and rabbits. Asano M, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):476-84

Bepridil hydrochloride alters potential-dependent and receptor-operated calcium channels in vascular smooth muscle of rabbit aorta. Flaim SF, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):63-71

Endothelial cells and the electrical and mechanical responses of the rabbit coronary artery to 5-hydroxytryptamine. Garland CJ. **J Pharmacol Exp Ther** 1985 Apr;233(1):158-62

Effects of 2-nicotinamidoethyl nitrate on agonist-sensitive Ca++ release and Ca++ entry in rabbit aorta. Hester RK. **J Pharmacol Exp Ther** 1985 Apr;233(1):100-11

Inhibitory effect of ouabain on the palytoxin-induced contraction of human umbilical artery. Ishida Y, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):557-60

Development of tolerance to alpha-2 adrenergic agonists in the vascular system of the rat after chronic treatment with clonidine. Ishii K, et al. **J Pharmacol Exp Ther** 1984 Dec; 231(3):685-91

Agonist actions of Bay K 8644, a dihydropyridine derivative, on the voltage-dependent calcium influx in smooth muscle cells of the rabbit mesenteric artery. Kanmura Y, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):717-23

Alpha adrenoceptor number limits response of some rabbit arteries to norepinephrine. Laher I, et al. **J Pharmacol Exp Ther** 1985 May;233(2):290-7

Vascular effects of Physalia physalis venom in the skeletal muscle of the dog. Loredo JS, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):301-4

Blockade of endothelium-dependent and glyceryl trinitrate-induced relaxation of rabbit aorta by certain ferrous hemoproteins. Martin W, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):679-85

Smooth muscle alpha-2 adrenoceptors mediate vasoconstrictor responses to exogenous norepinephrine and to sympathetic stimulation to a greater extent in spontaneously hypertensive than in Wistar Kyoto rat tail arteries. Medgett IC, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):159-65

Mechanism by which serotonin attenuates contractile response of canine mesenteric arterial smooth muscle. Moreland RS, et al. **J Pharmacol Exp Ther** 1985 Feb; 232(2):322-9

Effect of trimetoquinol analogs for antagonism of endoperoxide/thromboxane A2-mediated responses in human platelets and rat aorta. Mukhopadhyay A, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):1-9

Involvement of the sugar moiety in the inhibitory action of the cardiac glycosides on the palytoxin-induced responses in vascular smooth muscles. Ozaki H, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):153-8

Pharmacology of bucindolol in isolated canine vascular smooth muscle. Rimele TJ, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):317-25

Nifedipine and alpha adrenoceptors in rat aorta. I. Role of extracellular calcium in alpha-1 and alpha-2 adrenoceptor-mediated contraction. Scarborough NL, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):597-602

Nifedipine and alpha adrenoceptors in rat aorta. II. Role of extracellular calcium in enhanced alpha-2 adrenoceptor-mediated contraction in diabetes. Scarborough NL, et al. **J Pharmacol Exp Ther** 1984 Dec; 231(3):603-9

Effect of ouabain on tone, membrane potential and sodium efflux compared with [3H]ouabain binding in rat resistance vessels. Aalkjaer C, et al. **J Physiol (Lond)** 1985 May; 362:215-31

The effects of caffeine on the noradrenaline-sensitive calcium store in rabbit aorta. Leijten PA, et al. **J Physiol (Lond)** 1984 Dec;357:327-39

The in vitro actions of clenbuterol (NAB-365) on bovine pulmonary vein and artery. Mirbahar KB, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):202-4

An inference on the biphasic pressure rise in response to norepinephrine infusion in vivo. Akatsuka N, et al. **Jpn Circ J** 1984 Nov;48(11):1260-2

The effects of piperidine and its related substances on blood vessels. Aisaka K, et al. **Jpn J Pharmacol** 1985 Apr; 37(4):345-53

Different sensitivity of blocking effects of alpha-adrenoceptor blocking agents on vascular responses to intraluminal norepinephrine and periarterial stimulation in isolated dog arteries. Chiba S, et al. **Jpn J Pharmacol** 1985 May;38(1):83-9

Actions of nipradilol (K-351), a new alpha- and beta-adrenoceptor blocker, on the rabbit portal vein. Nanjo T, et al. **Jpn J Pharmacol** 1984 Aug;35(4):359-69

Possible mechanisms of inhibitory action of sodium nitroprusside on histamine-induced contractile responses in isolated rabbit aorta compared with basilar artery and taenia coli. Ohashi M, et al. **Jpn J Pharmacol** 1985 Feb; 37(2):189-95

Effects of Ca antagonists on the norepinephrine release and contractile responses of isolated canine saphenous veins to high KCl. Takata Y, et al. **Jpn J Pharmacol** 1985 Apr; 37(4):381-94

Alpha adrenoceptor subtypes responsible for dopamine-induced mesenteric vein contraction. Toda N, et al. **Jpn J Pharmacol** 1984 Oct;36(2):253-5

Kinetics of cellular proliferation after arterial injury. II. Inhibition of smooth muscle growth by heparin. Clowes AW, et al. **Lab Invest** 1985 Jun;52(6):611-6

The relaxant effects of atrial natriuretic factor on vascular smooth muscle. Winquist RJ. **Life Sci** 1985 Sep 23; 37(12):1081-7 (48 ref.)

The effect of altering the external calcium concentration and a calcium channel blocker, verapamil, on microvascular leaky sites and dextran clearance in the hamster cheek pouch. Mayhan WG, et al. **Microvasc Res** 1984 Sep; 28(2):159-79

Calcium channel blockers cardiovascular versus skeletal muscles. Baraka A. **Middle East J Anaesthesiol** 1985 Feb; 8(1):27-35

Desensitization of beta-adrenergic receptor-mediated vascular smooth muscle relaxation. Tsujimoto G, et al. **Mol Pharmacol** 1985 Feb;27(2):210-7

Neuropeptide Y (NPY) reduces field stimulation-evoked release of noradrenaline and enhances force of contraction in the rat portal vein. Dahlöf C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):327-30

Responses of rabbit aorta to tyramine in relation to the surface of drug entry. Iriarte CF, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar; 329(1):24-9

Effect of removing the endothelial cells on the reactivity of rat aortic segments to different alpha-adrenoceptor agonists. Lues I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):160-3

Different responses of the isolated canine coronary artery superfused with blood or Krebs-Henseleit solution. Matsumoto Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(2):156-8

The supersensitivity of vascular smooth muscle following surgical renal denervation in the dog. Ohgushi N, et al. **Nippon Geka Hokan** 1984 Sep 1;53(5):644-52

Stimulating and potentiating effects of sodium nitroprusside on the guinea-pig vas deferens and their comparison with the effects on the portal vein and the taenia coli. Sunano S. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):25-33

The effects of sodium nitroprusside on the phasic and tonic contraction of the potassium contracture of the smooth muscle of guinea-pig vas deferens and portal vein. Sunano S. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):35-44

Responses of enzymatically isolated mammalian vascular smooth muscle cells to pharmacological and electrical stimuli. DeFeo TT, et al. **Pflugers Arch** 1985 May; 404(1):100-2

Evidence for an indirect component of the action of histamine on canine portal vein. Bielkiewicz B, et al. **Pharmacology** 1984;29(4):233-40

The relaxing activity of iloprost and prostaglandin E2 in the isolated various smooth muscle strips of the rabbit. Ercan ZS, et al. **Pharmacology** 1985;31(2):61-6

Altered vascular reactivity in the rabbit during hypercholesterolemia. Heric E, et al. **Pharmacology** 1985; 31(2):72-81

High-cholesterol diet induces altered responsiveness of rabbit arterial smooth muscle to noradrenaline. Maggi CA, et al. **Pharmacology** 1985;30(5):273-80

Possible alpha-adrenoceptor blocking activity of arotinolol (S-596), a new beta-adrenoceptor blocking agent in isolated dog coronary artery. Sakanashi M, et al. **Pharmacology** 1984;29(4):204-9

Effects of an antihypertensive agent, nipradilol, on isolated coronary artery of the dog. Sakanashi M, et al. **Pharmacology** 1984;29(5):241-6

Phentolamine and rat aortic smooth muscle responsiveness to potassium chloride, isoproterenol and norepinephrine. Soltis EE, et al. **Pharmacology** 1985;31(2):67-71

Inositol trisphosphate-induced calcium release and contraction in vascular smooth muscle. Somlyo AV, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5231-5

Cerebral intraventricular 6-hydroxydopamine prevents vascular changes in the mineralocorticoid hypertensive rat. Mecca TE, et al. **Proc Soc Exp Biol Med** 1985 Jun; 179(2):248-53

The effects of naloxone on canine splanchnic arterial smooth muscle. Sasaki T, et al. **Proc Soc Exp Biol Med** 1984 Dec; 177(3):422-7

Mechanism of the antihistamine induced relaxation of canine cerebral arteries. Abrol RP, et al. **Proc West Pharmacol Soc** 1984;27:407-10

The effects of pentobarbital on isolated rabbit vascular smooth muscle. Kiliam AL, et al. **Proc West Pharmacol Soc** 1984;27:399-402

Relaxation of rings of canine cerebral artery produced by adenosine and its analogues. Krueger CA, et al. **Proc West Pharmacol Soc** 1984;27:143-6

Hypercholesterolemia and the response of the rabbit ear and basilar arteries to biogenic amines. McCalden TA, et al. **Proc West Pharmacol Soc** 1984;27:411-3

A low dose of forskolin increases cyclic AMP levels and cyclic AMP dependent protein kinase activity in bovine coronary arteries without causing relaxation. Vegesna RV, et al. **Proc West Pharmacol Soc** 1984;27:189–92

Species dependent relaxation of intrapulmonary arteries (IPA) of rabbits, dogs and humans by prostacyclin. Hadházy P, et al. **Prostaglandins** 1985 May;29(5):673–88

Some pharmacological properties of organic nitrates. Osnes JB. **Scand J Clin Lab Invest [Suppl]** 1984;173:19–25 (20 ref.)

Cellular actions of halothane on cat cerebral arterial muscle. Harder DR, et al. **Stroke** 1985 Jul–Aug;16(4):680–3

Comparison of the effect of naloxone on cerebral versus mesenteric arterial smooth muscle in feline and primate species. Sasaki T, et al. **Stroke** 1984 Nov–Dec;15(6):1025–8

Abolition of spontaneous rhythmic contractions of isolated monkey coronary arteries by diltiazem, nifedipine, verapamil and nicorandil but not by nitroglycerin. Ishii K, et al. **Tohoku J Exp Med** 1985 Jan;145(1):85–90

The effects of cyanide and its interactions with norepinephrine on isolated aorta strips from the rabbit, dog, and ferret. Robinson CP, et al. **Toxicology** 1985 Apr; 35(1):59–72

Vasoactive intestinal peptide relaxes isolated strips of human bronchus, pulmonary artery, and lung parenchyma. Saga T, et al. **Trans Assoc Am Physicians** 1984;97:304–10

[Effects of tetrandrine on seven vascular smooth muscles] Hu WH, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec; 5(4):257–60 (Eng. Abstr.) **(Chi)**

[Effects of tetrandrine on seven vascular smooth muscles] Hu WS, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec; 5(4):257–60 (Eng. Abstr.) **(Chi)**

[Stimulation of alpha adrenergic receptors by isoproterenol] Zhang PW. **Sheng Li Ko Hsueh Chin Chan** 1984 Apr; 15(2):175–7 **(Chi)**

[Dissociation of the action of isoprenaline on muscle tension and adenosine–3',5'–monophosphate synthesis in isolated coronary arteries under the effect of diisopropylfluorophosphate] Fermum R, et al. **Biomed Biochim Acta** 1984;43(11):1269–83 (Eng. Abstr.) **(Ger)**

[Adenosine–3',5'–monophosphate content and muscle tension in isolated coronary arteries under the effect of lanthanum ions] Fermum R, et al. **Biomed Biochim Acta** 1984; 43(11):1285-94 (Eng. Abstr.) **(Ger)**

[Peripheral venous tolerance of a hyperosmolar basic solution] Comberg HU, et al. **Infusionsther Klin Ernahr** 1984 Oct;11(5):262–5 (Eng. Abstr.) **(Ger)**

[Mechanism of action of calcium antagonists] Stimpel M, et al. **Schweiz Rundsch Med Prax** 1985 May 7;74(19):483–90 (Eng. Abstr.) **(Ger)**

[Specific mechanism of action of calcium antagonists in the neutralization of experimental coronary spasms] Fleckenstein–Grün G, et al. **Z Kardiol** 1984;73 Suppl 2:71–7 (Eng. Abstr.) **(Ger)**

[Adrenergic nerve related agents and prostaglandin I2 in the perfused cutaneous vascular preparations] Michibayashi T. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):75–83 (Eng. Abstr.) **(Jpn)**

[Pharmacological mechanism of modern diuretics. Mechanism of hypotensive diuretics. 1). Effects on the myocardium and smooth muscles] Saruta T, et al. **Nippon Rinsho** 1984 Sep;42(9):2016–20 (13 ref.) **(Jpn)**

[Contractile capacity of isolated flaps from the aorta of rats with stable arterial hypertension caused by the prolonged administration of cerebrosides] Mirzoian SA, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):706–8 (Eng. Abstr.) **(Rus)**

[Effect of 15–crown–5 on smooth muscle cell membranes] Bogatskiĭ AV, et al. **Fiziol Zh** 1984 Nov–Dec;30(6):727–30 **(Rus)**

[Characteristics of vascular smooth muscle reaction to oxygen in glycolysis blockade in the vascular wall] Solov'ev AI. **Fiziol Zh** 1984 Nov–Dec;30(6):733–6 **(Rus)**

[The effect of ticlopidine and lysine acetylsalicylate on fibrinolytic activity of the arterial wall in experimental atherosclerosis] Lasierra J, et al. **Arch Farmacol Toxicol** 1984 Dec;10(3):161–6 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Lipoxygenase–derived products in cultured human aortic smooth muscle cells. Larrue J, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 13:55–8

Hypercholesterolemic and diabetic serum decrease LDL–degradation by cathepsin D from human arterial smooth muscle cells and fibroblasts. Koschinsky T, et al. **Agents Actions [Suppl]** 1984;16:107–14

Cultured rat vascular smooth muscle cells: extracellular calcium and Na+–K+ regulation. Kino M, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C436–41

Ca2+–dependent inhibition of smooth muscle adenylate cyclase activity. Piascik MT, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):28–35

On the ouabain–sensitive potassium activated p–nitrophenyl phosphatase activity of vascular muscle plasma membranes. Kwan CY, et al. **Arch Int Pharmacodyn Ther** 1984 Dec; 272(2):245–55

Properties of the Ca–pumping ATPase of sarcoplasmic reticulum from vascular smooth muscle. Chiesi M, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):797–806

Effects of the C5a anaphylatoxin and its relationship to cyclo–oxygenase metabolites in rabbit vascular strips. Hugli TE, et al. **Br J Pharmacol** 1985 Mar;84(3):725–33

Pathophysiologic modulation of arachidonate metabolism. Warso MA, et al. **Clin Physiol Biochem** 1984;2(2–3):70–7

Prostacyclin–sensitive adenylate cyclase in cultured myocytes: differences between rabbit aorta and mesenteric artery. Oliva D, et al. **Eur J Pharmacol** 1984 Oct 15; 105(3–4):207–13

Alteration of glycosyltransferase activities during proliferation of cultivated arterial endothelial cells and smooth muscle cells. Vischer P, et al. **Exp Cell Res** 1985 May;158(1):15–28

Characterisation of the vascular plasminogen activator from the pig ear. Klöcking HP, et al. **Folia Haematol (Leipz)** 1984;111(6):851–61

Characterization of the (Ca2+–Mg2+)ATPase purified by calmodulin–affinity chromatography from bovine aortic smooth muscle. Furukawa K, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1343–50

Ca2+,Mg2+–ATPase of microsomal membranes from bovine aortic smooth muscle. Identification and characterization of an acid–stable phosphorylated intermediate of the Ca2+,Mg2+–ATPase. Sumida M, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1365–74

Effect of L–alpha–phosphatidylinositol on a vascular smooth muscle Ca2+–dependent protease. Reduction of the Ca2+ requirement for autolysis. Coolican SA, et al. **J Biol Chem** 1984 Oct 10;259(19):11627–30

Differential effects of in vitro ethanol on prostaglandin E1–sensitive adenylate cyclase from smooth muscle cells and platelets. Noe M, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(4):293–308

Restoration of prostacyclin synthase in vascular smooth muscle cells after aspirin treatment: regulation by epidermal growth factor. Bailey JM, et al. **J Lipid Res** 1985 Jan; 26(1):54–61

Effect of level of dietary protein and total or partial starvation on catalase and superoxide dismutase activity in cardiac and skeletal muscles in young rats. Lammi–Keefe CJ, et al. **J Nutr** 1984 Dec;114(12):2235–40

Age–related changes in monoamine oxidase and semicarbazide–sensitive amine oxidase activities of rat aorta. Cao Danh H, et al. **J Pharm Pharmacol** 1985 May; 37(5):354–7

Role of cyclic AMP protein kinase in decreased arterial cyclic AMP responsiveness in hypertension. Silver PJ, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):595–601

Stimulation of adenylate cyclase by adenosine and other agonists in mesenteric artery smooth muscle cells in culture. Anand–Srivastava MB, et al. **Life Sci** 1985 Sep 2; 37(9):857–67

Interaction of alpha and beta adrenergic stimulation on aortic ornithine decarboxylase activity. Majesky MW, et al. **Life Sci** 1985 Jan 14;36(2):153–9

Pericytes, like vascular smooth muscle cells, are immunocytochemically positive for cyclic GMP–dependent protein kinase. Joyce NC, et al. **Microvasc Res** 1984 Sep;28(2):206–19

Cytochrome P–450 monooxygenase system. Localization in smooth muscle of rabbit aorta. Serabjit–Singh CJ, et al. **Mol Pharmacol** 1985 Jul;28(1):72–9

Ultrastructural localization of choline acetyltransferase in vascular endothelial cells in rat brain. Parnavelas JG, et al. **Nature** 1985 Aug 22–28;316(6030):724–5

Temporal relationships between isometric force, phosphorylase, and protein kinase activities in vascular smooth muscle. Galvas PE, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):254–60

Influence of cholesterol oxidation derivatives on membrane bound enzymes in cultured aortic smooth muscle cells. Peng SK, et al. **Proc Soc Exp Biol Med** 1985 Oct; 180(1):126–32

GROWTH & DEVELOPMENT

Differential effects of human interleukin–1 on growth of human fibroblasts and vascular smooth muscle cells. Libby P, et al. **Arteriosclerosis** 1985 Mar–Apr;5(2):186–91

Effects of hypertension on migration and proliferation of smooth muscle in culture. Haudenschild CC, et al. **Hypertension** 1985 May–Jun;7(3 Pt 2):I101–4

Developmentally regulated production of platelet–derived growth factor–like molecules. Seifert RA, et al. **Nature** 1984 Oct 18–24;311(5987):669–71

Focal smooth muscle proliferation in the aortic intima produced by an initiation–promotion sequence. Majesky MW, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3450–4

IMMUNOLOGY

Human umbilical cord vein smooth muscle cells lack receptors for C3b and the Fc portion of immunoglobulin G. Shingu M, et al. **Clin Immunol Immunopathol** 1984 Nov; 33(2):282–6

In vitro responses of human asthmatic airway and pulmonary vascular smooth muscle. Schellenberg RR, et al. **Int Arch Allergy Appl Immunol** 1984;75(3):237–41

Myosin in cultured vascular smooth muscle cells: immunofluorescence and immunochemical studies of alterations in antigenic expression. Larson DM, et al. **J Cell Biol** 1984 Nov;99(5):1582–9

INNERVATION

Different nerve responses in consecutive sections of the arterial system. Nilsson H. **Acta Physiol Scand** 1984 Aug; 121(4):353–61

Trigeminal control of cranio–facial vasomotor response: I. Histamine test in patients with unilateral gasserian ganglion lesions. De Marinis M, et al. **Cephalalgia** 1984 Dec; 4(4):243–51

alpha 2–Adrenoceptors mediate sympathetic vasoconstriction in distal segments of rat tail artery. Medgett IC. **Eur J Pharmacol** 1985 Feb 5;108(3):281–7

Neuromuscular transmission in arterioles. Hirst GD, et al. **Experientia** 1985 Jul 15;41(7):874–9

Tropic interactions between sympathetic nerves and vascular smooth muscle. Southwell BR, et al. **J Auton Nerv Syst** 1985 Aug;13(4):343–54

Time course alterations in vascular adrenergic responsiveness in the DOCA/NaCl–treated rat. Katovich MJ, et al. **Pharmacology** 1984;29(3):173–80

[Structural and functional organization of the vascular wall in disorders of neuromuscular interactions] Gurko NS, et al. **Patol Fiziol Eksp Ter** 1984 Nov–Dec;(6):18–22 (Eng. Abstr.) **(Rus)**

[Effect of neonatal chemical sympathectomy on the development of hypertension and vascular reactivity in spontaneously hypertensive rats] Vakulina TP, et al. **Patol Fiziol Eksp Ter** 1984 Nov–Dec;(6):26–30 (Eng. Abstr.) **(Rus)**

METABOLISM

Nitroglycerin tolerance in vitro: effect on cGMP turnover in vascular smooth muscle. Axelsson KL, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Sep;55(3):203–10

Graded effects of oxygen and respiratory inhibitors on cell metabolism and spontaneous contractions in smooth muscle of the rat portal vein. Lövgren B, et al. **Acta Physiol Scand** 1985 Apr;123(4):485–95

Calcium flux regulation in myocardial and vascular smooth muscle. Moura AM, et al. **Adv Nephrol** 1985;14:173–96 (197 ref.)

Synthesis of prostaglandins by vascular endothelial cells. Russo–Marie F. **Adv Nephrol** 1985;14:233–40 (25 ref.)

Characterization of vascular histamine H1–receptors: multiple affinity states of aortic histamine H1–receptor. Carman–Kržan M. **Agents Actions** 1985 Apr;16(3–4):179–82

Vascular wall renin–angiotensin pathway in control of the circulation. A hypothesis. Dzau VJ. **Am J Med** 1984 Oct 5;77(4A):31–6 (45 ref.)

A radioimmunoblotting method for measuring myosin light chain phosphorylation levels in smooth muscle. Hathaway DR, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C345–51

Binding, degradation, and biological activity of insulin in vascular smooth muscle cells. Kaiser N, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E292–8

Glucose uptake in porcine carotid artery: relation to alterations in active Na+–K+ transport. Lynch RM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C433–40

A Na+–Ca2+ exchange process in isolated sarcolemmal membranes of mesenteric arteries from WKY and SHR rats. Matlib MA, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C166–72

Platelet–derived growth factor stimulates Na+ influx in vascular smooth muscle cells. Owen NE. **Am J Physiol** 1984 Nov;247(5 Pt 1):C501–5

Bioassay of endothelium–derived relaxing factor(s): inactivation by catecholamines. Rubanyi GM, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H95–101

cAMP response of vascular smooth muscle cells to bovine parathyroid hormone. Stanton RC, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E822–6

Staphylococcal alpha–toxin–induced PGI2 production in endothelial cells: role of calcium. Suttorp N, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C127–34

The prevention of Ca2+ overload in vascular smooth muscle by flunarizine as detected by Laser Microprobe Mass Analysis (LAMMA). De Nollin S, et al. **Angiology** 1985 May;36(5):297–304

Trophic effect of the sympathetic nervous system on vascular smooth muscle. Fronek K. **Ann Biomed Eng** 1983; 11(6):607–15

Membrane transport in vascular smooth muscle and its relation to normal and altered excitation during hypertension. Jones AW, et al. **Ann Biomed Eng** 1983; 11(6):589–98

Alterations in the release of norepinephrine at the vascular neuroeffector junction in hypertension. Westfall TC, et al. **Annu Rev Pharmacol Toxicol** 1985;25:621–41 (149 ref.)

High–energy phosphate metabolism in vascular smooth muscle. Butler TM, et al. **Annu Rev Physiol** 1985;47:629–43 (77 ref.)

Extracellular functions of nucleotides in heart and blood vessels. Su C. **Annu Rev Physiol** 1985;47:665–76 (85 ref.)

Deficiency of external Ca and Mg increases membrane permeability in the vascular smooth muscle of rabbit aorta. Ahn HY, et al. **Arch Int Pharmacodyn Ther** 1984 Dec; 272(2):236–44

Inhibition of aortic vessel adenosine diphosphate degradation by cadmium and mercury. Togna G, et al. **Arch Toxicol [Suppl]** 1984;7:378–81

Metabolism of atherogenic lipoproteins by smooth muscle cells of different phenotype in culture. Campbell JH, et al. **Arteriosclerosis** 1985 Jul–Aug;5(4):318–28

Content and localization of fibronectin in normal intima, atherosclerotic plaque, and underlying media of human aorta. Orekhov AN, et al. **Atherosclerosis** 1984 Nov; 53(2):213–9

Vasopressin induced production of inositol trisphosphate and calcium efflux in a smooth muscle cell line. Doyle VM, et al. **Biochem Biophys Res Commun** 1985 Aug 30; 131(1):469–76

Vascular receptor binding activities and cyclic GMP responses by synthetic human and rat atrial natriuretic peptides (ANP) and receptor down–regulation by ANP. Hirata Y, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):538–46

Specific receptors for atrial natriuretic factor (ANF) in cultured vascular smooth muscle cells of rat aorta. Hirata Y, et al. **Biochem Biophys Res Commun** 1984 Dec 14; 125(2):562–8

K+–depolarization induces a direct release of Ca2+ from intracellular storage sites in cultured vascular smooth muscle cells from rat aorta. Kobayashi S, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):877–84

Dihydropyridine sensitive calcium channels in a smooth muscle cell line. Kongsamut S, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):71–9

Angiotensin II and phorbol ester enhance isoproterenol– and vasoactive intestinal peptide (VIP)–induced cyclic AMP accumulation in vascular smooth muscle cells. Nabika T, et al. **Biochem Biophys Res Commun** 1985 Aug 30; 131(1):30–6

Regulation of Na/K/Cl cotransport in vascular smooth muscle cells. Owen NE. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):500–8

Distinct atrial natriuretic factor receptor sites on cultured bovine aortic smooth muscle and endothelial cells. Schenk DB, et al. **Biochem Biophys Res Commun** 1985 Mar 15; 127(2):433–42

Prostaglandins and cyclic nucleotides. Modulators of arterial cholesterol metabolism. Hajjar DP. **Biochem Pharmacol** 1985 Feb 1;34(3):295–300

6–Keto–prostaglandin E1–sensitive adenylate cyclase and binding sites in membranes from platelets and cultured smooth muscle cells. Oliva D, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3755–8

Comparison of high affinity binding of calcium channel blocking drugs to vascular smooth muscle and cardiac sarcolemmal membranes. Sarmiento JG, et al. **Biochem Pharmacol** 1984 Oct 15;33(20):3119–23

Arachidonic acid metabolism in cultured aortic endothelial cells. Effect of cAMP and 3–isobutyl–1–methylxanthine. Whorton AR, et al. **Biochem Pharmacol** 1985 Jan 1; 34(1):119–23

Effect of age upon the uptake and binding of calcium in rat aorta. Williams PB. **Biochem Pharmacol** 1984 Oct 1; 33(19):3097–9

Regulation of Ca2+ levels in smooth–muscle cells. Cauvin C, et al. **Biochem Soc Trans** 1984 Dec;12(6):939–41

Differences in the association of calmodulin with cyclic nucleotide phosphodiesterase in relaxed and contracted arterial strips. Saitoh Y, et al. **Biochemistry** 1985 Mar 26; 24(7):1613–8

Putative role of cholesteryl ester transfer protein in removal of cholesteryl ester from vascular interstitium, studied in a model system in cell culture. Stein Y, et al. **Biochim Biophys Acta** 1985 May 17;834(3):336–45

Enzymatic detoxication of superoxide anion–radicals and lipoperoxides in intima and media of atherosclerotic aorta. Lankin VZ, et al. **Biomed Biochim Acta** 1984;43(6):797–802

Comparison of cyclic AMP accumulation and morphological changes induced by beta–adrenergic stimulation of cultured vascular smooth muscle cells and fibroblasts. Nabika T, et al. **Blood Vessels** 1985;22(1):47–56

Lack of a causal relationship between the vasodilator effect of papaverine and cyclic AMP production in the dog basilar artery. Fujioka M. **Br J Pharmacol** 1984 Sep; 83(1):113–24

Purinoceptor mediated stimulation of prostacyclin release in the porcine pulmonary vasculature. Hellewell PG, et al. **Br J Pharmacol** 1984 Oct;83(2):457–62

Interaction between the inhibitory action of acetylcholine and the alpha–adrenoceptor autoinhibitory feedback system on release of [3H]–noradrenaline from rat atria and rabbit ear artery. Loiacono RE, et al. **Br J Pharmacol** 1985 Mar; 84(3):697–705

Transmitter release modulated by alpha–adrenoceptor antagonists in the rabbit mesenteric artery: a comparison between noradrenaline outflow and electrical activity. Mishima S, et al. **Br J Pharmacol** 1984 Oct;83(2):537–47

Prostanoid synthesis by aortic rings in human blood: selective increase of prostacyclin mediated by a serum factor. Ritter JM. **Br J Pharmacol** 1984 Oct;83(2):409–18

5–Carboxamide tryptamine, a compound with high affinity for 5–hydroxytryptamine1 binding sites, dilates arterioles and constricts arteriovenous anastomoses. Saxena PR, et al. **Br J Pharmacol** 1985 Feb;84(2):533–44

Norepinephrine–stimulated vascular prostacyclin synthesis. Receptor–dependent calcium channels control prostaglandin synthesis. Stewart D, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1341–7

Effects of ammonium ion derived from bovine endothelial cells upon low density lipoprotein degradation in cultured vascular smooth muscle cells. Truskey GA, et al. **Cell Biol Int Rep** 1985 Apr;9(4):323–30

Pharmacology and receptor binding of atrial natriuretic factor in vascular smooth muscle. Winquist RJ, et al. **Clin Exp Hypertens** [A] 1985;7(5–6):869–86

Ca2+ sources mobilized by alpha 1–receptor activation in vascular smooth muscle. Leijten P, et al. **Clin Sci** 1985;68 Suppl 10:47s–50s

Vascular alpha–adrenoceptors in man: interactions with adrenaline and noradrenaline. van Brummelen P, et al. **Clin Sci** 1985;68 Suppl 10:151s–153s

Characterization of the receptors for insulin and the insulin–like growth factors on micro– and macrovascular tissues. Jialal I, et al. **Endocrinology** 1985 Sep;117(3):1222–9

Binding and degradation of proteoglycans by cultured arterial smooth muscle cells. II. Binding sites of proteoglycans on the cell surface. Völker W, et al. **Eur J Cell Biol** 1985 Jan;36(1):58–65

Modulation of noradrenaline release in human saphenous vein via presynaptic alpha 2–adrenoceptors. Göthert M, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):261–7

Binding and degradation of angiotensin II by mesenteric artery subcellular membranes. Grover AK, et al. **Eur J Pharmacol** 1985 Jun 7;112(2):137–43

Thromboxane A2 analogue (U–46619) stimulates vascular PGI2 synthesis. Jeremy JY, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):259–62

Activation of phosphatidylinositol turnover in rat aorta by alpha 1–adrenergic receptor stimulation. Legan E, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):389–90

Effect of cyanide on nitrovasodilator–induced relaxation, cyclic GMP accumulation and guanylate cyclase activation in rat aorta. Rapoport RM, et al. **Eur J Pharmacol** 1984 Sep 3;104(1–2):61–70

Perhexiline directly inhibits arterial myosin phosphorylation and stimulates cardiac myofibrillar ATPase activity. Silver PJ. **Eur J Pharmacol** 1984 Oct 30;106(1):217–8

Augmented thromboxane generation by mesenteric arteries from pancreatectomized diabetic dogs is coincident with the vascular tone enhancement evoked by Na arachidonate and prostacyclin. Sterin–Borda L, et al. **Eur J Pharmacol** 1984 Aug 17;103(3–4):211–21

Effects of cholesterol autoxidation derivatives on hexose transport in cultured aortic smooth muscle cells. Hill JC, et al. **Exp Mol Pathol** 1984 Oct;41(2):249–57

Disassembly and reconstitution of the Ca2+–sensitive thin filaments of vascular smooth muscle. Smith CW, et al. **FEBS Lett** 1985 May 6;184(1):115–9

Effect of tetraethylammonium and verapamil on noradrenaline release induced by field electrical stimulation and potassium from cat cerebral and femoral arteries. Marín J, et al. **Gen Pharmacol** 1985;16(3):247–51

Internalization of colloidal gold–labelled insulin complexes into cultivated human smooth muscle cells. Schwartz W, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:175–9

Ouabain binding and Na+ content in resistance vessels and skeletal muscles of spontaneously hypertensive rats and K+–depleted rats. Aalkjaer C, et al. **Hypertension** 1985 Mar–Apr;7(2):277–86

Stretch–induced myosin light chain phosphorylation and stretch–release–induced tension development in arterial smooth muscle. Bárány K, et al. **J Biol Chem** 1985 Jun 10;260(11):7126–30

Cytosolic free calcium levels in monolayers of cultured rat aortic smooth muscle cells. Effects of angiotensin II and vasopressin. Capponi AM, et al. **J Biol Chem** 1985 Jul 5; 260(13):7836–42

Adenosine and 5'–chloro–5'–deoxyadenosine inhibit the phosphorylation of phosphatidylinositol and myosin light chain in calf aorta smooth muscle. Doctrow SR, et al. **J Biol Chem** 1985 Mar 25;260(6):3469–76

Altered cholesteryl ester cycle is associated with lipid accumulation in herpesvirus–infected arterial smooth muscle cells. Hajjar DP, et al. **J Biol Chem** 1985 May 25; 260(10):6124–8

Increase in cytosolic calcium and phosphoinositide metabolism induced by angiotensin II and [Arg]vasopressin in vascular smooth muscle cells. Nabika T, et al. **J Biol Chem** 1985 Apr 25;260(8):4661–70

Vascular endothelial cells synthesize a plasma membrane protein indistinguishable from the platelet membrane glycoprotein IIa. van Mourik JA, et al. **J Biol Chem** 1985 Sep 15;260(20):11300–6

Na+–K+ ATPase, Na–Ca exchange, and excitation–contraction coupling in smooth muscle. Casteels R, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 3:S103–10 (76 ref.)

Metabolic cooperation between vascular endothelial cells and smooth muscle cells in co–culture: changes in low density lipoprotein metabolism. Davies PF, et al. **J Cell Biol** 1985 Sep;101(3):871–9

An antiproliferative heparan sulfate species produced by postconfluent smooth muscle cells. Fritze LM, et al. **J Cell Biol** 1985 Apr;100(4):1041–9

Microvascular pericytes contain muscle and nonmuscle actins. Herman IM, et al. **J Cell Biol** 1985 Jul;101(1):43–52

Platelet–derived growth factor and heparin–like glycosaminoglycans regulate thrombospondin synthesis and deposition in the matrix by smooth muscle cells. Majack RA, et al. **J Cell Biol** 1985 Sep;101(3):1059–70

Correlation between trypsin binding to a specific receptor and prostacyclin production in cultured vascular endothelial cells. Savion N, et al. **J Cell Physiol** 1985 Jan; 122(1):142–8

Beta–adrenergic stimulation inhibits calcium efflux and alters the morphology of cultured arterial muscle cells. Smith JB. **J Cell Physiol** 1984 Nov;121(2):375–82

Nifedipine increases cholesteryl ester hydrolytic activity in lipid–laden rabbit arterial smooth muscle cells. A possible mechanism for its antiatherogenic effect. Etingin OR, et al. **J Clin Invest** 1985 May;75(5):1554–8

Iron and copper promote modification of low density lipoprotein by human arterial smooth muscle cells in culture. Heinecke JW, et al. **J Clin Invest** 1984 Nov; 74(5):1890–4

Na–Ca exchange in vascular smooth muscle. Brading AF, et al. **J Hypertens** 1985 Apr;3(2):109–16

Cellular ionic perturbations in hypertension. Friedman SM. **J Hypertens** 1983 Aug;1(2):109–14 (53 ref.)

Membrane abnormalities occur in vascular smooth muscle but not in non–vascular smooth muscle from rats with deoxycorticosterone–salt induced hypertension. Kwan CY, et al. **J Hypertens** 1983 Oct;1(3):257–65

Pigeon aortic smooth muscle cells lack a functional low density lipoprotein receptor pathway. Randolph RK, et al. **J Lipid Res** 1984 Sep;25(9):888–902

Cholesterol metabolism in pigeon aortic smooth muscle cells lacking a functional low density lipoprotein receptor pathway. Randolph RK, et al. **J Lipid Res** 1984 Sep; 25(9):903–12

Pharmacological basis of therapeutics: vascular alpha–adrenoceptors. Brostrom CO. **J Med Soc NJ** 1985 Jan;82(1):59–61

Junctional transfer in cultured vascular endothelium: II. Dye and nucleotide transfer. Larson DM, et al. **J Membr Biol** 1985;83(1–2):157–67

Lymphatic transport of sodium cefoxitin in the presence of sodium 5–methoxysalicylate after injection into rat rectal connective tissue, femoral muscle and femoral vein. Nishihata T, et al. **J Pharm Pharmacol** 1985 Jul; 37(7):509–11

Presynaptic opioid receptor subtypes in the rabbit ear artery. Illes P, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):526–33

Effects of the calcium antagonists perhexiline and cinnarizine on vascular and cardiac contractile protein function. Silver PJ, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):629–35

The diverse effects of noradrenaline and other stimulants on 86Rb and 42K efflux in rabbit and guinea–pig arterial muscle. Bolton TB, et al. **J Physiol (Lond)** 1984 Oct; 355:43–63

Release and recycling of calcium by the sarcoplasmic reticulum in guinea–pig portal vein smooth muscle. Bond M, et al. **J Physiol (Lond)** 1984 Oct;355:677–95

A23187 increases calcium permeability of store sites more than of surface membranes in the rabbit mesenteric artery. Itoh T, et al. **J Physiol (Lond)** 1985 Feb;359:467–84

Alteration of cytoplasmic ionized calcium levels in smooth muscle by vasodilators in the ferret. Morgan JP, et al. **J Physiol (Lond)** 1984 Dec;357:539–51

Calcium mobilization in enzymically isolated single intact and skinned muscle cells of the porcine coronary artery. Ueno H. **J Physiol (Lond)** 1985 Jun;363:103–17

Physical separation of aortic corticoid receptors with type I and type II specificities. Nichols NR, et al. **J Steroid Biochem** 1985 May;22(5):577–82

Glucocorticoid effects on newly synthesized proteins in muscle and non–muscle cells cultured from neonatal rat hearts. Nichols NR, et al. **J Steroid Biochem** 1984 Nov; 21(5):487–96

Displacement by alpha–adrenergic agonists and antagonists of 3H–prazosin bound to the alpha–adrenoceptors of the dog aorta and the rat brain. Nagatoma T, et al. **Jpn J Pharmacol** 1985 Feb;37(2):181–7

Electrolyte imbalance of cultured vascular smooth muscle cells from SHR, its cause and effect. Yamori Y, et al. **Klin Wochenschr** 1985;63 Suppl 3:33–4

Stimulation of cyclic GMP formation in smooth muscle cells by atriopeptin II. Harris DW, et al. **Life Sci** 1985 Aug 19;37(7):591–7

Vasopressin–induced calcium increases in smooth muscle cells from spontaneously hypertensive rats. Nabika T, et al. **Life Sci** 1985 Aug 12;37(6):579–84

Comparison of aldosterone binding in aortic cells from Dahl salt–susceptible and salt–resistant rats. Nichols NR, et al. **Life Sci** 1985 Apr 29;36(17):1653–60

Fatty acid metabolism and cell proliferation. VII. Antioxidant effects of tocopherols and their quinones. Lindsey JA, et al. **Lipids** 1985 Mar;20(3):151–7

Interactions of magnesium and potassium on cardiac and vascular smooth muscle. International symposium, Montbazon, November 8–11, 1984. **Magnesium** 1984; 3(4–6):173–360

Sodium kinetics and membrane potential in aorta of magnesium–deficient rats. Madden JA, et al. **Magnesium** 1984;3(2):73–80

Nonlinear relationship between alpha 1–adrenergic receptor occupancy and norepinephrine–stimulated calcium flux in cultured vascular smooth muscle cells. Colucci WS, et al. **Mol Pharmacol** 1985 May;27(5):517–24

Effects of nitroprusside, glyceryl trinitrate, and 8–bromo cyclic GMP on phosphorylase a formation and myosin light chain phosphorylation in rat aorta. Johnson RM, et al. **Mol Pharmacol** 1985 Mar;27(3):333–42

Dissociation between endothelium–mediated increases in tissue cGMP levels and modulation of aortic contractile responses. Bigaud M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):221-3

Characterization of two distinct alpha-adrenoceptor binding sites in smooth muscle cell membranes from rat and bovine aorta. Descombes JJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):282-8

Role of cAMP for regulation of impulse-evoked noradrenaline release from the rabbit pulmonary artery and its possible relationship to presynaptic ACTH receptors. Göthert M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):127-34

Stereoselectivity of extraneuronal uptake of catecholamines in rabbit aorta. Henseling M. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):219-20

Inhibition of compound 48/80—induced vascular protein leakage by pretreatment with capsaicin and a substance P antagonist. Saria A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov; 328(1):9-15

Regional variation in norepinephrine-stimulated calcium uptake in rabbit aorta. Flaim SF, et al. **Pharmacology** 1985; 30(1):1-11

Beta 2-adrenergic receptors contribute to catecholamine-stimulated shortening of action potential duration in dog atrial muscle. Liang BT, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4521-5

Incorporation of cellular and plasma fibronectins into smooth muscle cell extracellular matrix in vitro. Millis AJ, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2746-50

Arterial smooth muscle cells in primary culture produce a platelet-derived growth factor-like protein. Nilsson J, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4418-22

Angiotensin II rapidly increases phosphatidate-phosphoinositide synthesis and phosphoinositide hydrolysis and mobilizes intracellular calcium in cultured arterial muscle cells. Smith JB, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7812-6

Phosphorylation of hydroxylysine residues in collagen synthesized by cultured aortic smooth muscle cells. Urushizaki Y, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3091-5

Phosphatase-mediated modulation of actin-myosin interaction in bovine aortic actomyosin and skinned porcine carotid artery. Bialojan C, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):36-45

Technique for perfusion of rabbit thoracic aorta. Brown BJ, et al. **Proc West Pharmacol Soc** 1984;27:131-5

Cytosolic-free calcium transients in cultured vascular smooth muscle cells: microfluorometric measurements. Kobayashi S, et al. **Science** 1985 Aug 9;229(4713):553-6

Vascular smooth muscle cells inhibit the plasminogen activators secreted by endothelial cells. Laug WE. **Thromb Haemost** 1985 Apr 22;53(2):165-9

Prostacyclin synthesis by proliferative aortic smooth muscle cells. Larrue J, et al. **Vasa** 1984;13(4):311-8

Metabolic effects of direct current stimulation on cultured vascular smooth muscle cells. Heinle H, et al. **Z Naturforsch [C]** 1984 Nov-Dec;39(11-12):1141-4

[Characterization of the effects of a derivative of pyridoindole (DH-1011) on alpha2-adrenergic membrane receptors in the smooth muscle of mesenteric arteries and coronary arteries] Dřímal J, et al. **Bratisl Lek Listy** 1985 Apr;83(4):353-61 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Differences in bovine aortic smooth muscle cells cultured from spontaneous atherosclerotic lesions of different severity within the same vessel. Stavenow L. **Atherosclerosis** 1984 Dec;53(3):337-42

Differential effects of antihypertensive drug therapy on vascular smooth muscle cell hypertrophy, hyperploidy, and hyperplasia in the spontaneously hypertensive rat. Owens GK. **Circ Res** 1985 Apr;56(4):525-36

Role of cardiac and vascular amplifiers in the maintenance of hypertension and the effect of reversal of cardiovascular hypertrophy. Korner PI, et al. **Clin Exp Pharmacol Physiol** 1985 May-Jun;12(3):205-9

Smooth muscle phenotypic changes in arterial wall homeostasis: implications for the pathogenesis of atherosclerosis. Campbell GR, et al. **Exp Mol Pathol** 1985 Apr;42(2):139-62 (168 ref.)

Intimal proliferation of smooth muscle cells as an explanation for recurrent coronary artery stenosis after percutaneous transluminal coronary angioplasty. Austin GE, et al. **J Am Coll Cardiol** 1985 Aug;6(2):369-75

Effects of chronic hypoxia on structure and reactivity of rat lung microvessels. Davies P, et al. **J Appl Physiol** 1985 Mar;58(3):795-801

Early recovery from hypoxic pulmonary hypertension: a structural and functional study. Fried R, et al. **J Appl Physiol** 1984 Oct;57(4):1247-53

Identification of macrophages and smooth muscle cells in human atherosclerosis using monoclonal antibodies. Aqel NM, et al. **J Pathol** 1985 Jul;146(3):197-204

Abnormal plasma levels of factor VIII/von Willebrand factor complex in myocardial infarction—expression of acute phase reaction or index of vascular endothelium damage? [letter] Giustolisi R, et al. **Thromb Haemost** 1984 Jul 29; 51(3):408

Atherogenesis in the swine Evans blue model. Gerrity RG. **Vasa** 1984;13(4):292-7

Organisation of experimental thrombosis by blood cells. Evidence of the transformation of mononuclear cells into myofibroblasts and endothelial cells. Feigl W, et al. **Virchows Arch [A]** 1985;406(2):133-48

[Two autopsy cases of adult-type acid maltase deficiency with vacuolation of cerebral arterial walls] Matsuoka Y, et al. **Rinsho Shinkeigaku** 1985 Jan;25(1):39-45 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Myogenic tone of the isolated human epicardial artery: regulatory controls. Ginsburg RC. **Acta Med Scand [Suppl]** 1985;694:29-37 (45 ref.)

Contraction and cyclic AMP-related relaxation of the intimal and medial smooth muscle layers of pig thoracic aorta. Andersson RG, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 May;56(5):391-7

A viscoelastic model of mechanically induced and spontaneous contractions of vascular smooth muscle. Hudetz AG, et al. **Acta Physiol Hung** 1985;65(2):109-23

Structural and mechanical adaptations in rat aorta in response to sustained changes in arterial pressure. Arner A, et al. **Acta Physiol Scand** 1984 Oct;122(2):119-26

Age- and pressure-dependent changes of systemic resistance vessels concerning the relationships between geometric design, wall distensibility, vascular reactivity and smooth muscle sensitivity. Folkow B, et al. **Acta Physiol Scand** 1984 Sep;122(1):17-33

Adrenergic nervous control of resistance and capacitance vessels. Studies on isolated blood vessels from the rat. Nilsson H. **Acta Physiol Scand [Suppl]** 1985;541:1-34

Endothelium influences coronary and aortic vasomotion by release of an unstable humoral factor. Griffith TM, et al. **Adv Myocardiol** 1985;6:137-53

Vascular smooth muscle function and its changes in hypertension. Bohr DF, et al. **Am J Med** 1984 Oct 5; 77(4A):3-16 (71 ref.)

Calcium and cardiovascular function. Intracellular calcium levels during contraction and relaxation of mammalian cardiac and vascular smooth muscle as detected with aequorin. Morgan JP, et al. **Am J Med** 1984 Nov 5; 77(5A):33-46

Role of alpha adrenoceptors in hypertension and in antihypertensive drug treatment. Van Zwieten PA, et al. **Am J Med** 1984 Oct 5;77(4A):17-25 (46 ref.)

Cellular Ca2+ monitored by aequorin in adenosine-mediated smooth muscle relaxation. Bradley AB, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H109-17

In vivo membrane potentials of smooth muscle cells in the caudal artery of the rat. Bryant HJ, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C78-83

Intracellular recordings from renin-positive cells of the afferent glomerular arteriole. Bührle CP, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F272-81

Capillary pressures in rat intestinal muscle and mucosal villi during venous pressure elevation. Davis MJ, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H174-87

Measurement of calcium influx in tethered rings of rabbit aorta under tension. Gleason MM, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H470-6

Morphology of the constricted arteriolar wall: physiological implications. Greensmith JE, et al. **Am J Physiol** 1984 Nov; 247(5 Pt 2):H687-98

Adenine nucleotides, serotonin, and endothelium-dependent relaxations to platelets. Houston DS, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H389-95

Vascular effects of free radicals generated by electrical stimulation. Lamb FS, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H709-14

Prejunctional adrenergic inhibition by aggregating platelets in canine blood vessels. Lorenz RR, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H685-9

Myogenic tone and cerebral vascular autoregulation: the role of a stretch-dependent mechanism. Bevan JA, et al. **Ann Biomed Eng** 1985;13(3-4):281-6

Mechanical behavior of vascular smooth muscle in cylindrical segments of arteries in vitro. Dobrin PB. **Ann Biomed Eng** 1984;12(5):497-510

Mechanics of smooth muscle in isolated single microvessels. Gore RW, et al. **Ann Biomed Eng** 1984;12(5):511-20

Mechanical behavior of pressurized in vitro prearteriolar vessels determined with a video system. Halpern W, et al. **Ann Biomed Eng** 1984;12(5):463-79

Influence of transmural pressure of myogenic responses of isolated cerebral arteries of the rat. Halpern W, et al. **Ann Biomed Eng** 1985;13(3-4):287-93

A cellular mechanism for myogenic regulation of cat cerebral arteries. Harder DR. **Ann Biomed Eng** 1985;13(3-4):335-9

Excitation of vascular muscles by norepinephrine. Hermsmeyer K. **Ann Biomed Eng** 1983;11(6):567-77

Assessment of vascular smooth-muscle mechanisms using isolated segments of the vessel wall. Murphy RA. **Ann Biomed Eng** 1984;12(5):451-62 (48 ref.)

Length-dependent activation and sensitivity in arterial ring segments. Price JM. **Ann Biomed Eng** 1984;12(5):481-96

Measurement of arterial pressure-dimension relationships in conscious animals. Vatner SF, et al. **Ann Biomed Eng** 1984; 12(5):521-34

The pharmacological and physiological role of cyclic GMP in vascular smooth muscle relaxation. Ignarro LJ, et al. **Annu Rev Pharmacol Toxicol** 1985;25:171-91 (76 ref.)

Effects of prolonged cold storage on the responsiveness of isolated and perfused canine intermediate auricular artery. Ito T, et al. **Arch Int Pharmacodyn Ther** 1985 May; 275(1):13-21

Influence of transmural pressure on retrograde pressure pulse transmission velocity in the canine superior vena cava. Minten J, et al. **Arch Int Physiol Biochim** 1984 Nov; 92(4):317-25

Autonomic receptors and cell membrane potential. Bolton TB, et al. **Bibl Cardiol** 1984;(38):108-14 (15 ref.)

Endothelium and hypoxic responses. Busse R, et al. **Bibl Cardiol** 1984;(38):21-34

Ca2+-dependent regulatory mechanisms in smooth muscle. Murphy RA, et al. **Bibl Cardiol** 1984;(38):99-107 (40 ref.)

Postjunctional alpha-adrenoceptors in man. van Brummelen P, et al. **Bibl Cardiol** 1984;(38):270-6 (38 ref.)

The effect of cicletanide, a diuretic, on the platelet vessel wall interaction; its involvement in the arachidonic acid cascade. Bourgain RH, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3917-8

Mechanisms of endothelium-dependent vascular smooth muscle relaxation. Peach MJ, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1867-74

The role of the Na+, K+-ATPase in the regulation of vascular smooth-muscle contractility, and its relationship to essential hypertension. Aronson JK. **Biochem Soc Trans** 1984 Dec;12(6):943-5

Mechanisms of the regulation of myofibrillar function in vascular smooth muscle. Marston SB, et al. **Biochem Soc Trans** 1984 Dec;12(6):945-8

Reactivity of small vessels from mature to senescent female rabbits. Owen TL. **Blood Vessels** 1985;22(4):172-8

Progressive involution and physiological death of smooth muscle cells of rat incisal arterioles. Thorball N, et al. **Blood Vessels** 1985;22(4):157-69

Characterization of single isolated vascular smooth muscle cells from bovine coronary artery. Van Dijk AM, et al. **Blood Vessels** 1984;21(6):267-78

An electrophysiological study of alpha-adrenoceptor mediated excitation-contraction coupling in the smooth muscle cells of the rat saphenous vein. Cheung DW. **Br J Pharmacol** 1985 Jan;84(1):265-71

The effect of Bay K 8644 on contraction mediated by alpha-adrenoceptors in the rat saphenous vein. Cheung DW. **Br J Pharmacol** 1985 Jun;85(2):317-9

Comparison of effects of a new dihydropyridine, Bay K 8644, and nifedipine on spontaneous mechanical activity in rat portal vein. Mikkelsen E. **Br J Pharmacol** 1985 Jun; 85(2):383-5

Insensitivity of calcium-dependent endothelial stimulation in rat isolated aorta to the calcium entry blocker, flunarizine. Miller RC, et al. **Br J Pharmacol** 1985 Jun;85(2):481-7

Endothelial mediated inhibition of contraction and increase in cyclic GMP levels evoked by the alpha-adrenoceptor agonist B-HT 920 in rat isolated aorta. Miller RC, et al. **Br J Pharmacol** 1984 Dec;83(4):903-8

An analysis of the purinergic component of active muscle vasodilatation obtained by electrical stimulation of the hypothalamus in rabbits. Shimada SG, et al. **Br J Pharmacol** 1984 Oct;83(2):577-89

Ketamine: evidence of tissue specific inhibition of neuronal and extraneuronal catecholamine uptake processes. Lundy PM, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):298-303

Evidence of myogenic vascular control in the rat cerebral cortex. Bohlen HG, et al. **Circ Res** 1984 Oct;55(4):554-9

Vascular adrenergic neuroeffector function does not decline in aged rats. Duckles SP, et al. **Circ Res** 1985 Jan; 56(1):109-16

Mechanisms of adenosine triphosphate-, thrombin-, and trypsin-induced relaxation of rat thoracic aorta. Rapoport RM, et al. **Circ Res** 1984 Oct;55(4):468-79

Two distinct effects of oxygen on vascular tone in isolated porcine coronary arteries. Rubanyi G, et al. **Circ Res** 1985 Jan;56(1):1-10

Histamine-induced rhythmic contraction of hog carotid artery smooth muscle. Stein PG, et al. **Circ Res** 1984 Oct; 55(4):480-5

Myosin light chain phosphorylation and tension development in stretch-activated arterial smooth muscle. Ledvora RF, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):2063-8

Lack of differential inhibition by nifedipine of pressor responses induced by alpha 1- and alpha 2-adrenoceptor agonists and by angiotensin II in anaesthetized cats. Alabaster VA, et al. **Clin Sci** 1985;68 Suppl 10:73s-75s

Role of alpha-adrenoceptors in vascular control. Bevan JA, et al. **Clin Sci** 1985;68 Suppl 10:83s-88s

The adrenaline-alpha 2-adrenoceptor-mediated vasoconstrictor axis. Bolli P, et al. **Clin Sci** 1985;68 Suppl 10:141s-146s

Ageing and alpha-adrenoceptors. Docherty JR, et al. **Clin Sci** 1985;68 Suppl 10:133s-136s (29 ref.)

Vascular alpha 2-adrenoceptors can mediate nerve stimulation-evoked contractions. Docherty JR, et al. **Clin Sci** 1985;68 Suppl 10:117s-120s

Electrical membrane events in response to alpha-adrenoceptor stimulation. Haeusler G, et al. **Clin Sci** 1985;68 Suppl 10:51s-53s

Factors determining alpha-adrenoceptor-mediated responses of human digital arteries and metacarpal veins. Stevens MJ, et al. **Clin Sci** 1985;68 Suppl 10:31s-33s

Human vascular smooth muscle responses mediated by alpha 2 mechanisms in vivo and in vitro. Thom S, et al. **Clin Sci** 1985;68 Suppl 10:147s–150s

Functional consequences of contrasting properties of alpha 1/alpha 2 systems. Timmermans PB, et al. **Clin Sci** 1985; 68 Suppl 10:93s–97s

Arterial walls as cephalic neurohemal organs in Lithobius forficatus L. (Myriapoda Chilopoda). Jamault-Navarro C. **Exp Biol** 1984;43(2):97–108

Impact of neonatal catecholamine treatment on adult response to vasopressin and norepinephrine. Csaba G, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):153–8

Calcium-induced calcium release mechanism in vascular smooth muscles—assessments based on contractions evoked in intact and saponin-treated skinned muscles. Itoh T, et al. **Experientia** 1985 Aug 15;41(8):989–96 (66 ref.)

Velocity and myosin phosphorylation transients in arterial smooth muscle: effects of agonist diffusion. Kamm KE, et al. **Experientia** 1985 Aug 15;41(8):1010–7

Prolonged vibration of cutaneous artery: absence of persisting aftereffects. Lindblad LE, et al. **Experientia** 1984 Dec 15; 40(12):1372–3

The use of excised, pressurized blood vessels to study the physiology of vascular smooth muscle. Speden RN. **Experientia** 1985 Aug 15;41(8):1026–8

Postsynaptic alpha adrenoceptors on vascular smooth muscle. Matthews WD, et al. **Fed Proc** 1984 Nov;43(14):2923–8

Effect of temperature on the responsiveness of cutaneous veins to the extract of Ruscus aculeatus. Rubanyi G, et al. **Gen Pharmacol** 1984;15(5):431–4

Cyclic guanosine monophosphate mediates vascular relaxation induced by atrial natriuretic factor. Ohlstein EH, et al. **Hypertension** 1985 Mar–Apr;7(2):306–10

Endothelium-derived vascular relaxing factor. Peach MJ, et al. **Hypertension** 1985 May–Jun;7(3 Pt 2):I94–100

The influence of short-duration stretch on vasoconstrictor response in rabbit aortas. Wolf GL, et al. **Invest Radiol** 1984 Jul–Aug;19(4):269–72

Breathing affects venous return from legs in humans. Willeput R, et al. **J Appl Physiol** 1984 Oct;57(4):971–6

Effect of chronic denervation on pharmacological responsiveness of coronary vessels. Tsukada T, et al. **J Auton Nerv Syst** 1985 May;13(1):49–64

Interaction of peptides present in perivascular nerves on the smooth muscle of cat cerebral arteries and on the stimulation-evoked efflux of 3H-noradrenaline. Edvinsson L, et al. **J Auton Pharmacol** 1984 Sep;4(3):193–8

Postsynaptic alpha-adrenoreceptor populations in several vascular systems of the anaesthetized rat. Yamamoto R, et al. **J Auton Pharmacol** 1984 Dec;4(4):231–9

The static elastic properties of 45 human thoracic and 20 abdominal aortas in vitro and the parameters of a new model. Langewouters GJ, et al. **J Biomech** 1984; 17(6):425–35

Experimental measurements of elastic properties of media and adventitia of bovine carotid arteries. von Maltzahn WW, et al. **J Biomech** 1984;17(11):839–47

Serotonergic mechanisms in isolated human peripheral arteries and veins. Arneklo-Nobin B, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S52–5

Functional bases for individualities among vascular smooth muscles. Bell DR, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 3:S1–11 (67 ref.)

Vascular myogenic or stretch-dependent tone. Bevan JA. **J Cardiovasc Pharmacol** 1985;7 Suppl 3:S129–36 (47 ref.)

Cyclic nucleotides and regulation of vascular smooth muscle. Hardman JG. **J Cardiovasc Pharmacol** 1984;6 Suppl 4:S639–45 (74 ref.)

Electrophysiological aspects of regulation of precapillary vessel tone in smooth muscles of vascular tissues. Kuriyama H, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 3:S119–28 (73 ref.)

Effect of tienilic acid on the electromechanical properties of vascular smooth muscles in normotensive and spontaneously hypertensive rats. Mironneau J, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec;6(6):1177–83

Role of cyclic-GMP in relaxations of vascular smooth muscle. Murad F, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 3:S111–8

Serotonin and the blood vessel wall. Van Nueten JM. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S49–51

Epidermal growth factor, a vascular smooth muscle mitogen, induces rat aortic contraction. Berk BC, et al. **J Clin Invest** 1985 Mar;75(3):1083–6

Local generation of angiotensin II as a mechanism of regulation of peripheral vascular tone in the rat. Oliver JA, et al. **J Clin Invest** 1984 Oct;74(4):1247–51

Calcium pools in the contraction of arterial smooth muscle induced by several agonists. Fasciolo JC. **J Hypertens** 1984 Oct;2(5):515–21

Comparison of alpha 2 adrenoreceptors on arterial smooth muscle and brain homogenates from spontaneously hypertensive and Wistar-Kyoto normotensive rats. Weiss RJ, et al. **J Hypertens** 1984 Jun;2(3):249–55

Membrane fractionation of canine aortic smooth muscle: subcellular distribution of calcium transport activity. Kwan CY, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):747–64

Purification and properties of Ca2+-regulated thin filaments and F-actin from sheep aorta smooth muscle. Marston SB, et al. **J Muscle Res Cell Motil** 1984 Oct;5(5):559–75

Role of extracellular calcium in contractions produced by activation of postsynaptic alpha-2 adrenoceptors in the canine saphenous vein. Jim KF, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):161–5

Desensitization of alpha-1 adrenergic receptor-mediated vascular smooth muscle contraction. Lurie KG, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):147–52

Characterization of alpha adrenoceptors on vascular smooth muscle: electrophysiological differentiation in canine saphenous vein. Matthews WD, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):355–60

Modification of sympathetic neuronal function in the rat tail artery by dietary lipid treatment. Panek RL, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):578–83

Hypoxia releases a vasoconstrictor substance from the canine vascular endothelium. Rubanyi GM, et al. **J Physiol (Lond)** 1985 Jul;364:45–56

Electrical responses of smooth muscle cells of the rabbit ear artery to adenosine triphosphate. Suzuki H. **J Physiol (Lond)** 1985 Feb;359:401–15

Endothelium derived relaxant factor. Griffith TM, et al. **J R Coll Physicians Lond** 1985 Apr;19(2):74–9

Inhibition of human tumor cell-associated fibrinolysis by vascular bovine smooth muscle cells. Laug WE. **JNCI** 1985 Aug;75(2):345–52

Inhibition of calcium by magnesium in the contraction of rat aortic smooth muscle. I. Mathematical model of calcium and magnesium binding. Healy MD, et al. **Magnesium** 1984; 3(2):63–72

Adenosine 3':5'-monophosphate-mediate inhibition of activities of the superprecipitation and the actin-activated Mg2+-ATPase of bovine arterial myosin in the presence of arterial native tropomyosin. Nosaka S, et al. **Med J Osaka Univ** 1984 Sep;35(1-2):1–12

Nonneural vascular smooth muscle tone in arterioles of the hamster cheek pouch. Lombard JH, et al. **Microvasc Res** 1985 Jan;29(1):81–8

Measurements of the membrane potential of arterial smooth muscle in anesthetized animals and its relationship to changes in artery diameter. Neild TO, et al. **Microvasc Res** 1985 Jul;30(1):19–28

Different characteristics of postjunctional alpha-adrenoceptors on arterial and venous smooth muscle. Hieble JP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):44–50

The effect of cooling on the responses of splenic capsular and vascular smooth muscle to nerve stimulation in the dog. Powis DA. **Pflugers Arch** 1985 Mar;403(3):334–6

Atrial natriuretic factor elicits an endothelium-independent relaxation and activates particulate guanylate cyclase in vascular smooth muscle. Winquist RJ, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7661–4

Endothelium-dependent vasodilator-and nitrovasodilator-induced relaxation may be mediated through cyclic GMP formation and cyclic GMP-dependent protein phosphorylation. Rapoport RM, et al. **Trans Assoc Am Physicians** 1983;96:19–30

[Contraction and relaxation mechanisms of the smooth vascular musculature] Busse R. **Z Kardiol** 1984;73 Suppl 2:63–9 (Eng. Abstr.) **(Ger)**

[Modulation of coronary vessel tonus: molecular and cellular mechanisms] Busse R, et al. **Z Kardiol** 1984 Aug; 73(8):477–91 (Eng. Abstr.) **(Ger)**

[Role of serotonin in the regulation of the circulatory system] Buczko W. **Pol Tyg Lek** 1985 Apr 22;40(16):469–72 (21 ref.) **(Pol)**

[Effect of medullary chemosensitive structures on vascular neurogenic tonus] Kul'chitskiĭ VA, et al. **Fiziol Zh SSSR** 1985 May;71(5):569–74 (Eng. Abstr.) **(Rus)**

[Functioning of carotid artery muscle in the diastolic pressure range in the dog] Sidorov NIa. **Fiziol Zh SSSR** 1984 Nov; 70(11):1568–70 **(Rus)**

[The work of smooth muscles in the afferent coronary artery in comparison with other arteries of analogous dimensions] Kožík J, et al. **Cesk Fysiol** 1984;33(4):370–3 **(Slo)**

[The effect of changes in extracellular magnesium on the activity of the smooth muscles of vascular walls] Török J, et al. **Cesk Fysiol** 1984;33(4):328–33 **(Slo)**

PHYSIOPATHOLOGY

Reduced vascular reactivity in diabetic children and its relation to diabetic control. Ewald U, et al. **Acta Paediatr Scand** 1985 Jan;74(1):77–84

The role of vascular smooth muscle cells in experimental autoimmune vasculitis. I. The initiation of delayed type hypersensitivity angiitis. Moyer CF, et al. **Am J Pathol** 1984 Dec;117(3):380–90

Hypertensive mechanisms: the role of altered smooth muscle and membrane function in the etiology of hypertension. Symposium of the Canadian Federation of Biological Societies. Saskatoon, Sask., Canada, June 19, 1984. **Can J Physiol Pharmacol** 1985 Apr;63(4):353–401

Membrane potential of vascular smooth muscle and hypertension in spontaneously hypertensive rats. Cheung DW. **Can J Physiol Pharmacol** 1984 Aug;62(8):957–60

Dysfunction of calcium handling by smooth muscle in hypertension. Kwan CY. **Can J Physiol Pharmacol** 1985 Apr;63(4):366–74 (79 ref.)

A review of changes in vascular smooth muscle functions in hypertension: isolated tissue versus in vivo studies. Triggle CR, et al. **Can J Physiol Pharmacol** 1985 Apr; 63(4):355–65 (63 ref.)

Hypertensive mechanisms: the role of altered smooth muscle and membrane function in the etiology of hypertension. Triggle CR. **Can J Physiol Pharmacol** 1985 Apr;63(4):353–4

Enhanced myogenic depolarization in hypertensive cerebral arterial muscle. Harder DR, et al. **Circ Res** 1985 Aug; 57(2):319–22

Vascular reactivity in the spontaneously hypertensive rat. Effect of high pressure stress and extracellular calcium. Field FP, et al. **Hypertension** 1985 Mar–Apr;7(2):228–35

Influence of exercise training on reactivity and contractility of arterial strips from hypertensive rats. Edwards JG, et al. **J Appl Physiol** 1985 May;58(5):1683–8

Correlations and otherwise between blood pressure, cardiac mass and resistance vessel characteristics in hypertensive, normotensive and hypertensive/normotensive hybrid rats. Mulvany MJ, et al. **J Hypertens** 1983 Oct;1(3):235–44

Animal models of coronary spasm and the pathophysiological events in regional vascular hypercontraction. Tomoike H. **Jpn Circ J** 1985 Jan;49(1):101–7

Altered membrane potential control of contraction in arterial muscle in hypertension. Hermsmeyer K. **Klin Wochenschr** 1985;63 Suppl 3:61–2

Interactions of Mg and K on blood vessels—aspects in view of hypertension. Review of present status and new findings. Altura BM, et al. **Magnesium** 1984;3(4–6):175–94 (164 ref.)

Interactions of Mg and K on cerebral vessels—aspects in view of stroke. Review of present status and new findings. Altura BT, et al. **Magnesium** 1984;3(4–6):195–211 (84 ref.)

Composition of glycosaminoglycans from aortas from deoxycorticosterone-induced hypertensive pigs. Radhakrishnamurthy B, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):44–9

The relevance of in vitro smooth muscle experiments to cerebral vasospasm. Wellum GR, et al. **Stroke** 1985 Jul–Aug;16(4):573–84 (116 ref.)

[Mechanism of abnormal vascular muscle functions and their roles in the pathogenesis of hypertension] Qian YW. **Sheng Li Ko Hsueh Chin Chan** 1984 Apr;15(2):136–40 **(Chi)**

[Simulation of arterial pulse curves in elastic tubes and a carotid preparation] Arnolds BJ, et al. **Ultraschall Med** 1984 Oct;5(5):231–6 (Eng. Abstr.) **(Ger)**

[Ultrasonographic evaluation of the vasomotor reserve in patients with juvenile-onset diabetes mellitus] Gralewski Z, et al. **Wiad Lek** 1984 Jun 1;37(11):841–7 (Eng. Abstr.) **(Pol)**

[The state of capacitive vessels in arterial hypertension] Prokopova TN. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):115–9 (59 ref.) **(Rus)**

[Combined effect of adrenergic blockaders and stress on the contraction of portal vein smooth muscle in rats] Manukhina EB. **Patol Fiziol Eksp Ter** 1984 Nov–Dec; (6):13–5 (Eng. Abstr.) **(Rus)**

[Vascular tonus of the limbs in frostbite] Zabolotnykh VA, et al. **Sov Med** 1984;(8):109–12 **(Rus)**

[Dynamics of crural volume in changed gravitational load in the diagnosis of disorders of the tonus of venous wall] Iakovlev GM, et al. **Vestn Khir** 1984 Nov;133(11):60–3 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation survival of vascular smooth muscle cells as a function of age. Rosen EM, et al. **Int J Radiat Biol** 1985 Jul;48(1):71–9

Radiation survival properties of cultured vascular smooth muscle cells. Rosen EM, et al. **Radiat Res** 1984 Oct; 100(1):182–91

SECRETION

Interaction of high and low density lipoproteins on glycosaminoglycan secretion by human vascular smooth muscle cells and fibroblasts. Wosu L, et al. **Can J Biochem Cell Biol** 1984 Oct;62(10):984–90

Heparin and related glycosaminoglycans modulate the secretory phenotype of vascular smooth muscle cells. Majack RA, et al. **J Cell Biol** 1984 Nov;99(5):1688–95

ULTRASTRUCTURE

Cellular breakdown within muscular arteries in hypercholesterolemic rats. Reinilä A. **Arch Pathol Lab Med** 1985 Mar;109(3):277–82

Subcellular fractionation of pig coronary artery smooth muscle. Grover AK, et al. **Biochim Biophys Acta** 1985 Aug 27;818(2):191–9

Highly enriched, minimally disrupted plasma membrane vesicles from aortic myocytes grown in primary culture. Kattenburg DM, et al. **Biochim Biophys Acta** 1984 Nov 7;777(2):221–31

Generalized racemose livedo with cerebrovascular lesions (Sneddon syndrome): an occlusive arteriolopathy due to proliferation and migration of medial smooth muscle cells. Marsch WC, et al. **Br J Dermatol** 1985 Jun;112(6):703–8

Adult human arterial smooth muscle cells in primary culture. Modulation from contractile to synthetic phenotype. Thyberg J, et al. **Cell Tissue Res** 1985;239(1):69–74

Ultrastructural morphometry of cultivated smooth muscle cells from normotensive and hypertensive rats. Grünwald J, et al. **Exp Pathol** 1985;27(2):91–8

Colchicine-induced appearance (proliferation) of smooth sarcoplasmic reticulum in arterial smooth muscle cells. Chaldakov GN, et al. **Experientia** 1985 Mar 15;41(3):390–2

Differentiated microdomains of the luminal plasmalemma of murine muscle capillaries: segmental variations in young and old animals. Simionescu M, et al. **J Cell Biol** 1985 May; 100(5):1396–407

[Early arteriolar sclerosis in the SHR choroid] Matsusaka T. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):257–62 (Eng. Abstr.) **(Jpn)**

[Ultrastructural features of femoral artery myocytes during experimental leg lengthening] Ir'ianov IuM, et al. **Arkh Anat Gistol Embriol** 1984 Nov;87(11):48–52 (Eng. Abstr.) **(Rus)**

[Functional status and ultrastructure of the smooth muscle coat of arteries] Govyrin VA, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1202–13 (Eng. Abstr.) **(Rus)**

MUSCLE SPASTICITY

see related
SPASM

Spastic dysphonia: a patient profile of 200 cases. Izdebski K, et al. **Am J Otolaryngol** 1984 Jan–Feb;5(1):7–14

CHEMICALLY INDUCED

A study of dopaminergic mechanism in morphine induced Straub tail response. Jaju BP, et al. **Indian J Exp Biol** 1984 Aug;22(8):424–7

COMPLICATIONS

Tarsal coalitions and peroneal spastic flat foot. A review. Mosier KM, et al. **J Bone Joint Surg [Am]** 1984 Sep; 66(7):976–84

[Generalized ichthyosis associated with a spastic syndrome of the lower limbs, a variant of Sjögren–Larsson syndrome? Light and electron microscopy study of ichthyosis and its evolution with oral etretinate treatment] Lahmar L, et al. **Ann Dermatol Venereol** 1984;111(10):885–92 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Fleck retina in Kjellin's syndrome. Fa[illegible]er SG, et al. **Am J Ophthalmol** 1985 Jan 15;99(1):45–50

Fleck retina in Kjellin's syndrome [letter] Traboulsi EI. **Am J Ophthalmol** 1985 Jun 15;99(6):738–9

Cybex II isokinetic dynamometer for the documentation of spasticity. Suggestion from the field. Bohannon RW, et al. **Phys Ther** 1985 Jan;65(1):46–7

DRUG THERAPY

Effect of clorazepate in spasticity and rigidity: a quantitative study of reflexes and plasma concentrations. Lossius R, et al. **Acta Neurol Scand** 1985 Mar;71(3):190–4

Antispasticity drugs: mechanisms of action. Davidoff RA. **Ann Neurol** 1985 Feb;17(2):107–16 (151 ref.)

Electrophysiological analysis of the mode of action of muscle relaxants in spasticity. Delwaide PJ. **Ann Neurol** 1985 Jan; 17(1):90–5

Ketazolam treatment for spasticity: double-blind study of a new drug. Basmajian JV, et al. **Arch Phys Med Rehabil** 1984 Nov;65(11):698–701

Clonidine in spinal cord injury. Nance PW, et al. **Can Med Assoc J** 1985 Jul 1;133(1):41–2

Long-term treatment with dantrolene sodium of stroke patients with spasticity limiting the return of function. Ketel WB, et al. **Curr Med Res Opin** 1984;9(3):161–9

Continuous intrathecal baclofen for severe spasticity. Penn RD, et al. **Lancet** 1985 Jul 20;2(8447):125–7

Muscle relaxant action of excitatory amino acid antagonists. Turski L, et al. **Neurosci Lett** 1985 Feb 4;53(3):321–6

Muscle relaxant action of 2-chloroadenosine in genetically spastic rats is independent of gamma-aminobutyric acid-mediated inhibition. Turski L, et al. **Neurosci Lett** 1985 Mar 15;54(2–3):369–74

Control of spasticity by implantable continuous flow morphine pump. Erickson DL, et al. **Neurosurgery** 1985 Feb;16(2):215–7

Phenol for posttraumatic spasticity [letter] Wilkinson HA. **Neurosurgery** 1985 Apr;16(4):583

[Spasticity and its treatment] Larsen TA, et al. **Duodecim** 1985;101(12):1216–9 **(Fin)**

[Double-blind study of progabide in spasticity] Bovier P, et al. **Therapie** 1985 May–Jun;40(3):181–5 (Eng. Abstr.) **(Fre)**

[Experiences with memantine in the treatment of severe spastic and extrapyramidal movement disorders in combination with stereotaxic surgery] Mundinger F, et al. **Nervenarzt** 1985 Feb;56(2):106–9 **(Ger)**

[Positive therapeutic effect of diacarb in the syndrome of progressive muscle spasms, alopecia and diarrhea (Satoyoshi syndrome)] Aver'ianov IuN, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1623–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Alvarez's syndrome] Vostroknutov NV, et al. **Klin Med (Mosk)** 1984 Sep;62(9):126–8 **(Rus)**

FAMILIAL & GENETIC

Adrenomyeloneuropathy: report of a family and electron microscopical findings in peripheral nerve. Tanaka K, et al. **J Neurol** 1985;232(2):73–8

Familial spastic paraparesis: an adrenoleukodystrophy phenotype? O'Neill BP, et al. **Neurology** 1985 Aug; 35(8):1233–5

PHYSIOPATHOLOGY

The auditory brainstem response in surgical monitoring: the pathological significance of a reduced P1–P5 interwave interval. Jacobson GP, et al. **Clin Electroencephalogr** 1985 Apr;16(2):83–7

Effect of aminophylline on muscle relaxant action of diazepam and phenobarbitone in genetically spastic rats: further evidence for a purinergic mechanism in the action of diazepam. Turski L, et al. **Eur J Pharmacol** 1984 Aug 3;103(1–2):99–105

Chronic transformation of muscle in spasticity: a peripheral contribution to increased tone. Hufschmidt A, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):676–85

The effects of reflex path length on clonus frequency in spastic muscles. Iansek R. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1122–4

Neurophysiological changes following traumatic spinal lesions in man. Taylor S, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1102–8

Oxcarbazepine, GP 47779, and spasticity [letter] Bittencourt PR, et al. **Lancet** 1985 Sep 21;2(8456):676

CGS 8216, Ro 15–1788 and methyl-beta-carboline-3-carboxylate, but not EMD 41717 antagonize the muscle relaxant effect of diazepam in genetically spastic rats. Schwarz M, et al. **Life Sci** 1984 Oct 1;35(14):1445–51

Cramps, spasms and muscle stiffness. Rowland LP. **Rev Neurol (Paris)** 1985;141(4):261–73 (143 ref.)

REHABILITATION

Customized adjustable orthoses: their use in spasticity. Collins K, et al. **Arch Phys Med Rehabil** 1985 Jun;66(6):397–8

Behavior modification in physical therapy. Gouvier WD, et al. **Arch Phys Med Rehabil** 1985 Feb;66(2):113–6

New possibilities of improving the function of the hand of patients with spastic hemiplegia. Kiwerski J. **Int J Rehabil Res** 1984;7(3):293–8

Modification of spastic gait through mechanical damping. Maki BE, et al. **J Biomech** 1985;18(6):431–43

SURGERY

Management of the upper extremity in cerebral palsy. Skoff H, et al. **J Bone Joint Surg [Am]** 1985 Mar;67(3):500–3

Progressive spasticity and scoliosis in children with myelomeningocele. Radiological investigation and surgical treatment. Park TS, et al. **J Neurosurg** 1985 Mar; 62(3):367–75

Upper extremity tendon transfers in cerebral palsy: electromyographic and functional analysis. Mowery CA, et al. **J Pediatr Orthop** 1985 Jan–Feb;5(1):69–72

A prospective study of radiofrequency rhizotomy in the treatment of posttraumatic spasticity. Kasdon DL, et al. **Neurosurgery** 1984 Oct;15(4):526–9

[Treatment of spastic foot by selective neurotomy of the tibial nerve. Results of a series of 31 cases] Sindou M, et al. **Neurochirurgie** 1985;31(3):189–97 (Eng. Abstr.) **(Fre)**

THERAPY

Electrical stimulation in treating spasticity resulting from spinal cord injury. Bajd T, et al. **Arch Phys Med Rehabil** 1985 Aug;66(8):515–7

Spastic hemiplegia in a quadriplegic patient: treatment with phenol nerve block. Wainapel SF, et al. **Arch Phys Med Rehabil** 1984 Dec;65(12):786–7

Effect of electrical stimulation on spasticity in hemiparetic patients. Vodovnik L, et al. **Int Rehabil Med** 1984; 6(4):153–6

Evaluation of cervical stimulation for chronic treatment of spasticity. Gottlieb GL, et al. **Neurology** 1985 May; 35(5):699–704

Effects of a wrapping technique on passive range of motion in a spastic upper extremity. Twist DJ. **Phys Ther** 1985 Mar;65(3):299–304

MUSCLE TONUS

Electrical activity and arm muscle force in postoperative fatigue. Christensen T, et al. **Acta Chir Scand** 1985; 151(1):1–5

Myogenic tone of the isolated human epicardial artery: regulatory controls. Ginsburg RC. **Acta Med Scand [Suppl]** 1985;694:29–37 (45 ref.)

Reducing occurrences of an asymmetrical tonic neck reflex. Lee JM, et al. **Am J Ment Defic** 1985 May;89(6):617–21

Physiological variations in canine gastric tone measured by an electronic barostat. Azpiroz F, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):G229–37

Tone of canine ileocolonic junction: topography and response to phasic contractions. Quigley EM, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):G350–7

Treatment of mild hypertension with progressive muscle relaxation. Predictive value of indexes of sympathetic tone. Cottier C, et al. **Arch Intern Med** 1984 Oct;144(10):1954–8

A meta-analysis of frontalis EMG levels with biofeedback and alternative procedures. Sharpley CF, et al. **Biofeedback Self Regul** 1984 Sep;9(3):385–93

Anticipatory response-relevant muscle activity, CNV amplitude and simple reaction time. Haagh SA, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):30–9

Active and passive forearm flexor tension patterns in the continuous perceptual-motor task paradigm: the significance of motivation. Svebak S. **Int J Psychophysiol** 1984 Dec;2(3):167–76

The assessment of subjective tension levels among several muscle groups: the tension mannequin. Webster JS, et al. **J Behav Ther Exp Psychiatry** 1984 Dec;15(4):323–8

Local generation of angiotensin II as a mechanism of regulation of peripheral vascular tone in the rat. Oliver JA, et al. **J Clin Invest** 1984 Oct;74(4):1247–51

Tension development and muscle activation in the leg during gait in spastic hemiparesis: independence of muscle hypertonia and exaggerated stretch reflexes. Berger W, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1029–33

Chronic transformation of muscle in spasticity: a peripheral contribution to increased tone. Hufschmidt A, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):676–85

Compensation for intrinsic muscle stiffness by short-latency reflexes in human triceps surae muscles. Allum JH, et al. **J Neurophysiol** 1984 Nov;52(5):797–818

Stiffness of cat soleus muscle and tendon during activation of part of muscle. Proske U, et al. **J Neurophysiol** 1984 Sep;52(3):459–68

Resonance at the wrist demonstrated by the use of a torque motor: an instrumental analysis of muscle tone in man. Lakie M, et al. **J Physiol (Lond)** 1984 Aug;353:265–85

Relations between pain, anxiety, mood and muscle tension in chronic pain patients. A correlation study. Linton SJ, et al. **Psychother Psychosom** 1985;43(2):90–5

[Masticatory functional analysis—a myotonographic pilot study] Frentzen H. **Dtsch Zahnarztl Z** 1984 Jun; 39(6):433–44 (14 ref.) (Eng. Abstr.) **(Ger)**

[Tonus of epicardial main arteries and dynamic stenosis] Bassenge E. **Z Kardiol** 1984;73 Suppl 2:55–61 (Eng. Abstr.) **(Ger)**

[Modulation of coronary vessel tonus: molecular and cellular mechanisms] Busse R, et al. **Z Kardiol** 1984 Aug; 73(8):477–91 (Eng. Abstr.) **(Ger)**

[Modulation of postural muscle tonus by thermoreceptive afferents] Minut-Sorokhtina OP, et al. **Arch Exp Veterinarmed** 1984 May;38(3):342–6 (Eng. Abstr.) **(Rus)**

[Clinico-endoscopic evaluation of large intestinal tonus at various periods after surgery] Khankin SL, et al. **Klin Khir** 1985 Feb;(2):15–8 (Eng. Abstr.) **(Rus)**

[Changes in muscle elasticity in sailors during sea voyages] Kushnirenko EA, et al. **Voen Med Zh** 1984 Aug;(8):49–50 **(Rus)**

DRUG EFFECTS

Effects of neuropeptide Y (NPY) on mechanical activity and neurotransmission in the heart, vas deferens and urinary bladder of the guinea-pig. Lundberg JM, et al. **Acta Physiol Scand** 1984 Aug;121(4):325–32

Influence of tubocurarine, pancuronium and atracurium on bronchomotor tone. Simpson DA, et al. **Br J Anaesth** 1985 Aug;57(8):753–7

Action of tizanidine on responses of forearm flexors and extensors to torque disturbances. Mackel R, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1109–16

Effect of ouabain on tone, membrane potential and sodium efflux compared with [3H]ouabain binding in rat resistance vessels. Aalkjaer C, et al. **J Physiol (Lond)** 1985 May; 362:215–31

An evaluation of peripheral essential amino acid infusion following major surgery. Hogbin BM, et al. **JPEN** 1984 Sep–Oct;8(5):511–4

Nonneural vascular smooth muscle tone in arterioles of the hamster cheek pouch. Lombard JH, et al. **Microvasc Res** 1985 Jan;29(1):81–8

[Effect of pentagastrin on the emptying function of the stomach and pyloric sphincter tonus in patients with duodenal ulcer] Saakian AG. **Ter Arkh** 1985;57(2):15–8 (Eng. Abstr.) **(Rus)**

MUSCLES

see related
SARCOLEMMA
SARCOPLASMIC RETICULUM

Magnetic resonance imaging of the musculoskeletal system. Pettersson H, et al. **Acta Radiol [Diagn] (Stockh)** 1985 May–Jun;26(3):225–34

Reducing occurrences of an asymmetrical tonic neck reflex. Lee JM, et al. **Am J Ment Defic** 1985 May;89(6):617–21

The soleus syndrome. A cause of medial tibial stress (shin splints). Michael RH, et al. **Am J Sports Med** 1985 Mar–Apr;13(2):87–94

Inspiratory muscle resistive training in respiratory failure. Aldrich TK, et al. **Am Rev Respir Dis** 1985 Mar; 131(3):461–2

Failure of magnesium sulphate to prevent suxamethonium induced muscle pains. Chestnutt WN, et al. **Anaesthesia** 1985 May;40(5):488–90

Palatal myoclonus in Behçet's disease. Shuttleworth EC, et al. **Arch Intern Med** 1985 May;145(5):949–50

Isokinetic strength and endurance and muscle fiber type of elite oarswomen. Clarkson PM, et al. **Can J Appl Sport Sci** 1984 Sep;9(3):127–32

Oculopharyngeal dystrophy: clinicopathological study of an

Australian family. Blumbergs PC, et al. **Clin Exp Neurol** 1983;19:102-9

Acute polymyalgia in severely neutropenic patients with E. coli septicaemia after high-dose steroid therapy—a discrete syndrome? [letter] Blecher TE, et al. **Clin Lab Haematol** 1985;7(1):97-9

Levator syndrome. A treatment that works. Nicosia JF, et al. **Dis Colon Rectum** 1985 Jun;28(6):406-8

Saturation transfer electron paramagnetic resonance of spin-labeled muscle fibers. Dependence of myosin head rotational motion on sarcomere length. Barnett VA, et al. **J Mol Biol** 1984 Oct 15;179(1):83-102

Abstracts of the Thirteenth European Conference on Muscle and Motility. Gwatt, 23-28 September 1984. **J Muscle Res Cell Motil** 1985 Feb;6(1):53-128

Congenital eyelid eversion with orbicularis spasm. Raab EL, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jul-Aug; 22(4):125-8

Acute psoas abscess in a newborn infant. Zych GA, et al. **J Pediatr Orthop** 1985 Jan-Feb;5(1):89-91

The application of muscle endurance training techniques to the respiratory muscles in COPD. Aldrich TK. **Lung** 1985; 163(1):15-22 (43 ref.)

Syndrome of palatal myoclonus and progressive ataxia: two cases with magnetic resonance imaging. Sperling MR, et al. **Neurology** 1985 Aug;35(8):1212-4

Device for stretching the hamstring muscles. Suggestion from the field. Dubuc WE, et al. **Phys Ther** 1985 Mar;65(3):352-3

Geophysical variables and behavior: XXVII. Magnetic necklace: its therapeutic effectiveness on neck and shoulder pain: 2. Psychological assessment. Lin JC, et al. **Psychol Rep** 1985 Apr;56(2):639-49

Proton magnetic resonance relaxation behavior of whole muscle with fatty inclusions. Fullerton GD, et al. **Radiology** 1985 Jun;155(3):727-30

[Calcific tendinitis of m. longus colli: report of 2 cases] Wang WH. **Chung Hua Wai Ko Tsa Chih** 1985 Feb;23(2):110, 128 (Eng. Abstr.) **(Chi)**

[Objective tinnitus caused by myoclonus of the musculus tensor veli palitini] Yajin K, et al. **HNO** 1985 Jan;33(1):45-9 (Eng. Abstr.) **(Ger)**

[Detection of an intramuscular wood fragment using sonography] Weiss H, et al. **ROFO** 1985 Jun;142(6):696 **(Ger)**

[Hematoma of the sternocleidomastoid. Results of a non-invasive treatment in newborn infants] Chiandotto V, et al. **Pediatr Med Chir** 1984 May-Jun;6(3):405-9 (Eng. Abstr.) **(Ita)**

[Cytochrome c-induced acceleration of the reaction of muscle actin polymerization] Stozharov AN. **Biokhimiia** 1985 May;50(5):860-5 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Anomalous muscle in the leg: soleus accessorium. Percy EC, et al. **Am J Sports Med** 1984 Nov-Dec;12(6):447-50

Peculiarities of the bones, muscles, and nervous system of the conjoined twins. Ovtscharoff W, et al. **Anat Anz** 1984; 157(1):83-90

A rare anomalous muscle, palmaris profundus, found when operating at the wrist for neurological symptoms. A report of two cases. Carstam N. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall;44(2):163-7

Coexistence of muscle anomalies and rheumatoid arthritis in patients with carpal tunnel syndrome. Brown FE, et al. **Clin Exp Rheumatol** 1984 Oct-Dec;2(4):297-302

The accessory soleus muscle. Nichols GW, et al. **Clin Orthop** 1984 Nov;(190):279-80

An anomalous flexor digitorum superficialis muscle-tendon unit associated with ulnar neuropathy. A case report. Robinson SC. **Clin Orthop** 1985 Apr;(194):169-71

Anomalous muscle bundle of the sub-pulmonary outflow in tetralogy of Fallot. Daliento L, et al. **Int J Cardiol** 1984 Oct;6(4):547-50

Effects of the muscular dysgenesis gene on developmental stability in the mouse mandible. Atchley WR, et al. **J Craniofac Genet Dev Biol** 1984;4(3):179-89

Immunofluorescent localization of extracellular matrix components during muscle morphogenesis. II. In chick embryos with hereditary muscular dysgenesis (cn/cn). Mauger A, et al. **J Exp Zool** 1984 Nov;232(2):343-58

Anomalous flexor superficialis indicis: two case reports and literature review. Elias LS, et al. **J Hand Surg [Am]** 1985 Mar;10(2):296-9

Isolated aplasia of the flexor pollicis longus: a case report. Köster G. **J Hand Surg [Am]** 1984 Nov;9(6):870-1

Congenital hypoplastic thumb with absent thenar muscles: anomalous digital neurovascular bundle. Rayan GM. **J Hand Surg [Am]** 1984 Sep;9(5):665-8

Junctura tendinum between extensor digitorum communis and extensor pollicis longus. Steichen JB, et al. **J Hand Surg [Am]** 1984 Sep;9(5):674-6

Acute carpal tunnel syndrome produced by anomalous flexor digitorum superficialis indicis muscle. Ametewee K, et al. **J Hand Surg [Br]** 1985 Feb;10(1):83-4

An anomalous flexor digitorum superficialis indicis muscle in association with a fibroma presenting as a stiff painful finger. Kernohan J, et al. **J Hand Surg [Br]** 1984 Oct; 9(3):335-6

Camptodactyly caused by an abnormal lumbrical muscle. Maeda M, et al. **J Hand Surg [Br]** 1985 Feb;10(1):95-6

Accessory bone at the insertion of the levator scapulae muscle in a Sprengel deformity. Gallien R. **J Pediatr Orthop** 1985 May-Jun;5(3):352-3

Congenital absence of flexor pollicis longus without hypoplasia of thenar muscles. Uchida M, et al. **Plast Reconstr Surg** 1985 Mar;75(3):413-6

Carpal tunnel syndrome associated with abnormal palmaris longus muscle. Dorin D, et al. **South Med J** 1984 Sep; 77(9):1210-1

Muscle abnormalities associated with the twin reversed-arterial-perfusion (TRAP) sequence (acardia). Stephens TD. **Teratology** 1984 Dec;30(3):311-8

[The musculus extensor indicis brevis—often mistaken clinically for a ganglion] Lehrberger K, et al. **Chirurg** 1984 Nov;55(11):768-9 **(Ger)**

[The rare radial flexor muscle of the wrist with a special presentation] Effendy W, et al. **Handchir Mikrochir Plast Chir** 1985 Mar;17(2):111-2 (Eng. Abstr.) **(Ger)**

[Median nerve—compression syndrome caused by atypical palm muscle] Rudigier J, et al. **Handchir Mikrochir Plast Chir** 1985 Jan;17(1):27-30 (Eng. Abstr.) **(Ger)**

[Accessory muscles in the medial retromalleolar region] Fasel J, et al. **Z Orthop** 1984 Nov-Dec;122(6):835-7 (Eng. Abstr.) **(Ger)**

[A case of extensor indicis brevis manus muscle] Della Vella P, et al. **Chir Ital** 1985 Apr;37(2):214-8 (Eng. Abstr.) **(Ita)**

[Abnormal muscle belly simulating a neoplasm of the palm of the hand] Sanna M, et al. **Minerva Chir** 1985 Apr 30; 40(8):595-7 (Eng. Abstr.) **(Ita)**

ANALYSIS

Local changes of skeletal muscle electrolytes and water after high-energy trauma. Holmström A, et al. **Acta Chir Scand** 1985;151(2):115-9

Smooth and skeletal muscle myosins in spindle cell tumors of soft tissue. An immunohistochemical study. Saku T, et al. **Acta Pathol Jpn** 1985 Jan;35(1):125-36

Purification and properties of myosin from the 'hatching muscle' (m. complexus) of geese. Fazekas S, et al. **Acta Physiol Hung** 1985;66(1):5-25

Chemical changes in rat leg muscle by phosphorus nuclear magnetic resonance. Kushmerick MJ, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C542-9

Electrophoretic comparison of myosins from masticatory muscles and selected limb muscles in the dog. Shelton GD, et al. **Am J Vet Res** 1985 Feb;46(2):493-8

Spectrophotometric determination of histamine in mast cells, muscle and urine by solvent extraction with copper(II) and tetrabromophenolphthalein ethyl ester. Sakai T, et al. **Analyst** 1984 Dec;109(12):1569-72

Low molecular weight proteins in human malignant hyperthermia muscle [letter] Fletcher JE, et al. **Anesthesiology** 1985 Jun;62(6):849-50

Heterogeneity of human skeletal muscle tropomyosin. Giometti CS, et al. **Ann Neurol** 1985 Aug;18(2):234-43

Detection of caldesmon in muscle and non-muscle tissues of the chicken using polyclonal antibodies. Ngai PK, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):533-9

Myosin light chain-1: genetic analysis of three variants found in fast white chicken muscle and investigation of linkage with the muscular dystrophy gene. Rushbrook JI, et al. **Biochem Genet** 1985 Feb;23(1-2):17-27

Monoclonal antibodies directed against skeletal muscle actin. Hambly BD, et al. **Biochem Int** 1983 Dec;7(6):739-46

Functional relationship of ammonia with RNA, DNA, and protein in rat muscle. Ghori MI, et al. **Biochem Med** 1985 Jun;33(3):284-90

New method to detect drug-binding protein in muscle using a fluorescence probe. Kato Y, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2555-7

The separation of phosphocreatine from creatine, and pH determination in frog muscle by natural abundance 13C-NMR. Arús C, et al. **Biochim Biophys Acta** 1985 Jan 18;844(1):91-3

Identical myoglobin is present in both skeletal and smooth muscles of chicken. Enoki Y, et al. **Biochim Biophys Acta** 1984 Sep 25;789(3):334-41

Purification of a high-molecular-weight inhibitor of the calcium-activated proteinase. Lepley RA, et al. **Biochim Biophys Acta** 1985 Mar 22;828(1):95-103

Bovine aorta actin. Development of an improved purification procedure and comparison of polymerization properties with actins from other types of muscle. Strzelecka-Golaszewska H, et al. **Biochim Biophys Acta** 1985 Mar 22;828(1):13-21

Dynamic light scattering study of muscle F-actin. Fujime S, et al. **Biophys Chem** 1984 Aug;20(1-2):1-21

Measurements of oxygen tension in muscle. Ehrly AM. **Biorheology** 1984;Suppl 1:201-7

Relationship between the concentration of myoglobin and parvalbumin in various types of muscle tissues from chickens. Nishida J, et al. **Br Poult Sci** 1985 Jan; 26(1):105-15

Substance P in subdivisions of the sciatic nerve, and in red and white skeletal muscles. Gundersen K, et al. **Brain Res** 1985 Mar 11;329(1-2):97-103

Differential morphologic effects of two fractions from fetal calf muscle on cultured chick ciliary ganglion cells. Vaca K, et al. **Brain Res** 1985 Mar;351(1):37-46

Glycogen of high molecular weight from mammalian muscle. Calder PC, et al. **Carbohydr Res** 1985 Jan 15;135(2):249-56

Amino acid concentrations in plasma and skeletal muscle of patients with acute hemorrhagic necrotizing pancreatitis. Roth E, et al. **Clin Chem** 1985 Aug;31(8):1305-9

Measurements of calcium and other elements in muscle biopsy samples from patients with Duchenne muscular dystrophy. Jackson MJ, et al. **Clin Chim Acta** 1985 Apr 30;147(3):215-21

Proton nuclear magnetic resonance of human muscle extracts. Arús C, et al. **Clin Physiol Biochem** 1984;2(1):49-55

The inheritance of skeletal muscle fibre composition in mice. Nimmo MA, et al. **Comp Biochem Physiol [A]** 1985; 81(1):109-15

Protein phenotype and gene expression in the rat perineal levator ani muscle. Gagnon J, et al. **Comp Biochem Physiol [B]** 1985;80(2):279-86

Purification and some properties of a trypsin inhibitor from carp (Cyprinus carpio) muscle. Toyohara H, et al. **Comp Biochem Physiol [B]** 1985;80(4):949-54

Neutral lipid components of eleven species of Caribbean sharks. Van Vleet ES, et al. **Comp Biochem Physiol [B]** 1984;79(4):549-54

Parvalbumin exists in rat endocrine glands. Endo T, et al. **Endocrinology** 1985 Aug;117(2):527-31

Stimulation of pyruvate dehydrogenase activity in intact rat adipocytes by insulin mediator from rat skeletal muscle. Jarett L, et al. **Endocrinology** 1985 Mar;116(3):1011-6

Identification of multiple variants of fast muscle troponin T in the chicken using monoclonal antibodies. Bird IM, et al. **Eur J Biochem** 1985 Aug 1;150(3):517-25

The widespread distribution of alpha-N-trimethylalanine as the N-terminal amino acid of light chains from vertebrate striated muscle myosins. Henry GD, et al. **Eur J Biochem** 1985 Apr 1;148(1):75-82

The effect of phallotoxins on the structure of F-actin in myosin-free ghost muscle fibres of rabbit. Borovikov YuS, et al. **FEBS Lett** 1984 Oct 29;176(2):441-3

Protein kinase activity of the insulin receptor from muscle. Häring HU, et al. **FEBS Lett** 1984 Oct 15;176(1):229-34

Heterogeneity of muscarinic receptors in the guinea pig esophageal muscularis mucosae and ileal longitudinal muscle. Kamikawa Y, et al. **Gastroenterology** 1985 Mar; 88(3):706-16

Beta-endorphinlike immunoreactivity and somatostatinlike immunoreactivity in normal gastric mucosa, muscle layer, and adenocarcinoma. Tari A, et al. **Gastroenterology** 1985 Mar;88(3):670-4

Single non-inactivating K+ channels in the myotubes of the chick embryo in tissue culture. Vyklický L Jr, et al. **Gen Physiol Biophys** 1985 Jun;4(3):241-8

Changes in the solubility of bovine intramuscular collagen due to nutritional regime. Rompala RE, et al. **Growth** 1984 Winter;48(4):466-72

Changes in ascorbic acid content and acetylcholinesterase activity in the muscle of frog following sciatectomy. Somasekhar T, et al. **Indian J Physiol Pharmacol** 1984 Apr-Jun;28(2):97-104

Detection of an interferon antagonist, sarcolectin, in human sarcomas and muscles. Jiang PH, et al. **Int J Cancer** 1984 Nov 15;34(5):625-32

Alterations in skeletal muscle proteins in obese and nonobese rats. Lanza-Jacoby S, et al. **Int J Obes** 1984;8(5):451-6

Estrogen receptor in bovine skeletal muscle. Meyer HH, et al. **J Anim Sci** 1985 Jan;60(1):294-300

High molecular weight calcium binding protein in the microsome of scallop striated muscle. Maruyama K, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):859-70

Purification and characterization of an inhibitor of calcium-activated neutral protease from rabbit skeletal muscle: purification of 50,000-dalton inhibitor. Nakamura M, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1399-407

Two different preparations of subfragment-1 from chicken skeletal myosin and from porcine cardiac myosin. Nakata S, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):965-8

Characterization of skeletal muscle calsequestrin by 1H NMR spectroscopy. Aaron BM, et al. **J Biol Chem** 1984 Oct 10; 259(19):11876-81

The myosin alkali light chains of mouse ventricular and slow skeletal muscle are indistinguishable and are encoded by the same gene. Barton PJ, et al. **J Biol Chem** 1985 Jul 15; 260(14):8578-84

Structure of myosin heavy chain in avian muscular dystrophy. Huszar G, et al. **J Biol Chem** 1985 Jun 25; 260(12):7429-34

Amino acid sequence of chicken gizzard beta-tropomyosin. Comparison of the chicken gizzard, rabbit skeletal, and equine platelet tropomyosins. Sanders C, et al. **J Biol Chem** 1985 Jun 25;260(12):7264-75

Heterogeneity of contractile proteins. A continuum of troponin-tropomyosin expression in mammalian skeletal muscle. Schachat FH, et al. **J Biol Chem** 1985 Jan 25; 260(2):1108-13

Identification of 1,25-dihydroxyvitamin D3 receptors and activities in muscle. Simpson RU, et al. **J Biol Chem** 1985 Jul 25;260(15):8882-91

Characterization of a 140Kd cell surface glycoprotein involved in myoblast adhesion. Chapman AE. **J Cell Biochem** 1984;25(2):109-21

Embryonic chicken skeletal, cardiac, and smooth muscles express a common embryo-specific myosin light chain. Takano-Ohmuro H, et al. **J Cell Biol** 1985 Jun; 100(6):2025-30

Gas chromatographic quantitative determination of 1- and

3-methylhistidine in urine and muscles: comparison with glass capillary determination. Marcucci F, et al. **J Chromatogr** 1984 Dec 12;336(2):356-60

Rapid ion-exchange method for the determination of 3-methylhistidine in rat urine and skeletal muscle. Zunić G, et al. **J Chromatogr** 1984 Nov 9;311(1):69-77

Plasma and muscle free carnitine deficiency due to renal Fanconi syndrome. Bernardini I, et al. **J Clin Invest** 1985 Apr;75(4):1124-30

Immunoelectron microscopic localization of alpha-actinin on Lowicryl-embedded thin-sectioned tissues. Lemanski LF, et al. **J Histochem Cytochem** 1985 Jun;33(6):515-22

Arthrin: a new actin-like protein in insect flight muscle. Bullard B, et al. **J Mol Biol** 1985 Apr 5;182(3):443-54

Structure of short thick filaments from Limulus muscle. Levine RJ, et al. **J Mol Biol** 1985 Mar 20;182(2):347-52

MgATP specifically controls in vitro self-assembly of vertebrate skeletal myosin in the physiological pH range. Pinset-Härström I. **J Mol Biol** 1985 Mar 5;182(1):159-72

Chordate muscle actins differ distinctly from invertebrate muscle actins. The evolution of the different vertebrate muscle actins. Vandekerckhove J, et al. **J Mol Biol** 1984 Nov 5;179(3):391-413

Myosin light chains of avian and mammalian slow muscles: peptide mapping of 2S light chains. Dalla Libera L, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):411-21

Crossbridge behaviour during muscle contraction. Huxley HE, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):153-61 (28 ref.)

Location of C-protein, H-protein and X-protein in rabbit skeletal muscle fibre types. Starr R, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):227-56

Heterogeneity of tropomyosin and actin in normal and diseased muscle. Feit H, et al. **J Neurogenet** 1983 Sep;1(1):91-103

Lectin blotting of human muscle. Identification of a high molecular weight glycoprotein which is absent or altered in Duchenne muscular dystrophy. Capaldi MJ, et al. **J Neurol Sci** 1985 May;68(2-3):225-31

ConA and WGA receptors in rat skeletal muscles. Changes in density, distribution and composition following denervation. Di Iorio G, et al. **J Neurol Sci** 1985 Jan;67(1):105-14

High-energy phosphate compounds in slow-twitch and fast-twitch muscle fibres. Changes during exercise in some neuromuscular diseases. Rehunen S, et al. **J Neurol Sci** 1985 Mar;67(3):299-306

Intracellular acetylcholine receptors in skeletal muscles of the adult rat. Pestronk A. **J Neurosci** 1985 May;5(5):1111-7

An analysis of peripheral neuronal survival factors present in muscle. Bonyhady RE, et al. **J Neurosci Res** 1985;13(3):357-67

In vivo 31P-NMR studies on aerobic recovery of frog muscle following tetanus. Seo Y, et al. **Jpn J Physiol** 1984;34(5):927-31

Alteration of the pattern of beta-adrenergic desensitization in cultured L6E9 muscle cells infected with Trypanosoma cruzi. Morris SA, et al. **Mol Biochem Parasitol** 1984 Oct;13(2):227-34

Quantitative muscle biopsy analysis. Castleman KR, et al. **Monogr Clin Cytol** 1984;9:101-16

Acetylcholine metabolism by cultured neurons from rat nodose ganglia: regulation by a macromolecule from muscle-conditioned medium. Mathieu C, et al. **Neuroscience** 1984 Dec;13(4):1373-86

Free calcium in sheep cardiac tissue and frog skeletal muscle measured with Ca2+-selective microelectrodes. Weingart R, et al. **Pflugers Arch** 1984 Sep;402(1):1-9

Brain and muscle nicotinic acetylcholine receptors are different but homologous proteins. Conti-Tronconi BM, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5208-12

Activity regulates the levels of acetylcholine receptor alpha-subunit mRNA in cultured chicken myotubes. Klarsfeld A, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4558-62

Properties of a protein that is purified from bovine skeletal muscle that inhibits the Ca2+-dependent proteinase. Shannon JD, et al. **Prog Clin Biol Res** 1985;180:257-9

A low molecular weight cysteine proteinase inhibitor from chicken skeletal muscle. Wood L, et al. **Prog Clin Biol Res** 1985;180:81-90

Freeze-drying and related preparation techniques for biological microprobe analysis. Wróblewski R, et al. **Scan Electron Microsc** 1985;(Pt 1):447-54

Measurements of magnesium in mononuclear cells. Sjögren A, et al. **Sci Total Environ** 1985 Mar 15;42(1-2):77-82

The histochemical composition of human vertebral muscle. Bagnall KM, et al. **Spine** 1984 Jul-Aug;9(5):470-3

Extraction of a synthetic androgen from fish muscle and quantitation by high performance liquid chromatography. Goudie CA. **Steroids** 1984 Sep;44(3):241-52

[Change in the ATP content of the earthworm dorsal muscle during soman poisoning] Zhu RX, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):6-10 (Eng. Abstr.) **(Chi)**

[Individual variations in the content of cadmium, copper and lead in muscle tissue of the mantle in Sepia officinalis L.] Perdicaro R, et al. **Nuovi Ann Ig Microbiol** 1984 Mar-Apr;35(2):151-60 (Eng. Abstr.) **(Ita)**

[Structural proteins of the opaque muscle fibers in Duchenne muscular dystrophy] Uchino M, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):166-70 (Eng. Abstr.) **(Jpn)**

[Lead, cadmium, arsenic, copper, zinc, iron and magnesium content of muscles of slaughterhouse animals. I. Muscle tissue of swine, 1975-1983] Falandysz J, et al. **Rocz Panstw Zakl Hig** 1984;35(6):505-13 (Eng. Abstr.) **(Pol)**

[Levels of lead, cadmium, arsenic, copper, zinc, iron and manganese of the muscles of slaughterhouse animals. II. Muscle tissue of cattle 1975-1983] Falandysz J, et al. **Rocz Panstw Zakl Hig** 1985;36(1):22-7 (Eng. Abstr.) **(Pol)**

[Fractionation of fragments of skeletal muscle sarcoplasmic reticulum according to their sensitivity to caffeine] Aliev MK, et al. **Biokhimiia** 1985 Jun;50(6):911-8 (Eng. Abstr.) **(Rus)**

[Postmortem diagnosis of ventricular fibrillation in acute coronary insufficiency] Aleksandri AL, et al. **Kardiologiia** 1984 Dec;24(12):62-5 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Histochemical fiber composition of lumbar back muscles in the rabbit. McFadden KD, et al. **Acta Anat (Basel)** 1984;120(3):146-50

The muscle layer of the canine gallbladder and cystic duct. MacPherson BR, et al. **Acta Anat (Basel)** 1984;120(3):117-22

The attachments of the lateral and medial ends of the extensor retinaculum of the human wrist. Salman SS, et al. **Acta Anat (Basel)** 1985;122(3):185-6

The number of sarcomeres and architecture of the M. gastrocnemius of the rat. Holewijn M, et al. **Acta Morphol Neerl Scand** 1984 Oct;22(3):257-63

Muscle fiber type composition of the rat hindlimb. Armstrong RB, et al. **Am J Anat** 1984 Nov;171(3):259-72

Muscle fiber termination at the tendon in the frog's sartorius: a stereological study. Eisenberg BR, et al. **Am J Anat** 1984 Nov;171(3):273-84

Architectural design and fiber-type distribution of the major elbow flexors and extensors of the monkey (cynomolgus). Roy RR, et al. **Am J Anat** 1984 Nov;171(3):285-93

The tibialis posterior muscle compartment. An unrecognized cause of exertional compartment syndrome. Davey JR, et al. **Am J Sports Med** 1984 Sep-Oct;12(5):391-7

Galeal-pericranial flaps in head and neck reconstruction. Anatomy and application. Horowitz JH, et al. **Am J Surg** 1984 Oct;148(4):489-97

Anatomical and functional study on the musculus semimembranosus. Bejui J, et al. **Anat Clin** 1984;6(3):215-23

Chicken gizzard. The muscle, the tendon and their attachment. Gabella G. **Anat Embryol (Berl)** 1985;171(2):151-62

Equine limb anatomy: peroneus tertius muscle relationships. Lohse CL, et al. **Anat Histol Embryol** 1984 Dec;13(4):313-8

Fiber type composition of monkey forearm muscle. McIntosh JS, et al. **Anat Rec** 1985 Apr;211(4):403-9

Network and lamellar structures in the tail muscle fibers of the metamorphosing anuran tadpole. Sasaki F, et al. **Anat Rec** 1985 Apr;211(4):369-75

Motor units of the human abductor digiti minimi. Santo Neto H, et al. **Arch Ital Anat Embriol** 1985 Jan-Mar;90(1):47-51

The number of muscles and the skeletal median single muscles. Suzuki K, et al. **Arch Ital Anat Embriol** 1983 Oct-Dec;88(4):323-39

The levator-trochlear muscle. A supernumerary orbital structure. Sacks JG. **Arch Ophthalmol** 1985 Apr;103(4):540-1

Morphology of skeletal muscle in children. An assessment of normal growth and differentiation. Vogler C, et al. **Arch Pathol Lab Med** 1985 Mar;109(3):238-42

Levator palati and palatal dimples: their anatomy, relationship and clinical significance. Boorman JG, et al. **Br J Plast Surg** 1985 Jul;38(3):326-32

Muscle strength and cross-sectional area in man: a comparison of strength-trained and untrained subjects. Maughan RJ, et al. **Br J Sports Med** 1984 Sep;18(3):149-57

Comparison of muscle and fat wasting in patients suffering from breast and other cancers: an anthropometric study. Jardine LG, et al. **Breast Cancer Res Treat** 1984;4(3):227-32

Local muscle flaps in the hand. Anatomy as related to reconstructive surgery. Wilgis EF. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall;44(2):552-7

Fiber types and myosin types in human atrial and ventricular myocardium. An anatomical description. Bouvagnet P, et al. **Circ Res** 1984 Dec;55(6):794-804

The size and strength of the quadriceps muscles of old and young men. Young A, et al. **Clin Physiol** 1985 Apr;5(2):145-54

Arm muscle and fat in the evaluation of nutritional status. A study of African pre-school children in three different environments. Manshande JP, et al. **Eur J Pediatr** 1985 May;144(1):32-6

Compartmentalization of single muscle units in cat lateral gastrocnemius. English AW, et al. **Exp Brain Res** 1984;56(2):361-8

Muscle fluorometry: a determination of the depth of penetration. Stewart AW. **Experientia** 1985 Apr 15;41(4):456-8

A comparative study of two reptilian muscles. II. Histology of cardiac muscles. Ramadan AA, et al. **Folia Morphol (Praha)** 1984;32(3):301-6

A comparative study of two reptilian muscles. I. Histology of striated muscles. Ramadan AA, et al. **Folia Morphol (Praha)** 1984;32(3):293-300

Fine morphology of the posterior cricoarytenoid muscle. Zemlin WR, et al. **Folia Phoniatr (Basel)** 1984;36(5):233-40

Comparative myology of the hominoid cranial base. I. The muscular relationships and bony attachments of the digastric muscle. Dean MC. **Folia Primatol (Basel)** 1984;43(4):234-48

Comparative myology of the hominoid cranial base. II. The muscles of the prevertebral and upper pharyngeal region. Dean MC. **Folia Primatol (Basel)** 1985;44(1):40-51

Functional morphology of the tongue muscles of some Indian insect-eating birds. Bhattacharyya BN. **Gegenbaurs Morphol Jahrb** 1985;131(1):93-123

Gene interactions affecting muscle organization in Caenorhabditis elegans. Brown SJ, et al. **Genetics** 1985 Jul;110(3):421-40

Application of computer system to analysis of muscle morphology: statistical analysis of spatial pattern of muscle fibers. Hatano E, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):145-9

Linear body measurements and muscle distribution in F1 Holstein x Friesian intact males. Bailey CM, et al. **J Anim Sci** 1985 Jul;61(1):129-36

Torque-velocity characteristics and muscle fiber type in human vastus lateralis. Froese EA, et al. **J Appl Physiol** 1985 Aug;59(2):309-14

Role of muscle mass and mode of contraction in circulatory responses to exercise. Lewis SF, et al. **J Appl Physiol** 1985 Jan;58(1):146-51

Effects of chronic exercise during aging on muscle and end-plate morphology in rats. Stebbins CL, et al. **J Appl Physiol** 1985 Jan;58(1):45-51

In vivo moment arm lengths for hip extensor muscles at different angles of hip flexion. Németh G, et al. **J Biomech** 1985;18(2):129-40

Malleability of skeletal muscle in overcoming limitations: structural elements. Hoppeler H, et al. **J Exp Biol** 1985 Mar;115:355-64

Malleability of the motor system: training for maximizing power output. Howald H. **J Exp Biol** 1985 Mar;115:365-73

Intersynovial communication between the tendon sheaths of the extensor pollicis longus and extensor carpi radialis brevis muscles. Zbrodowski A, et al. **J Hand Surg [Br]** 1985 Jun;10(2):162-4

Anatomy of raccoon (Procyon lotor) and coati (Nasua narica and N. nasua) forearm and leg muscles: relations between fiber length, moment-arm length, and joint-angle excursion. McClearn D. **J Morphol** 1985 Jan;183(1):87-115

Architectural and histochemical analysis of the semitendinosus muscle in mice, rats, guinea pigs, and rabbits. Roy RR, et al. **J Morphol** 1984 Aug;181(2):155-60

A three-dimensional muscle model: a quantified relation between form and function of skeletal muscles. Woittiez RD, et al. **J Morphol** 1984 Oct;182(1):95-113

A freeze-fracture study of postembryonic differentiation of latissimus dorsi muscles of the chicken. Zhang Y, et al. **J Morphol** 1985 Feb;183(2):145-53

Distribution of different fibre types in human skeletal muscles. A statistical and computational study of the fibre type arrangement in m. vastus lateralis of young, healthy males. Lexell J, et al. **J Neurol Sci** 1984 Sep;65(3):353-65

The anatomy and fibre type composition of the human adductor pollicis in relation to its contractile properties. Round JM, et al. **J Neurol Sci** 1984 Nov-Dec;66(2-3):263-72

Muscle-fiber compartmentalization in cat splenius muscles. Richmond FJ, et al. **J Neurophysiol** 1985 Apr;53(4):868-85

Midarm muscle circumference as indicator of muscle mass [letter] Lerner A, et al. **J Pediatr** 1985 Jan;106(1):168-9

Influence of human muscle length on fatigue. Fitch S, et al. **J Physiol (Lond)** 1985 May;362:205-13

Reference values for arm muscle area, arm fat area, subscapular skinfold thickness, and sum of skinfold thicknesses for American adults. Bishop CW. **JPEN** 1984 Sep-Oct;8(5):515-22

Nuclear magnetic resonance pulse sequence and discrimination of high- and low-fat tissues. Foster MA, et al. **Magn Reson Imaging** 1984;2(3):187-92

Changes in the skeletal muscles volume in horses with growth. Uehara N, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):161-3

Training effect on the muscle fibre types in race horses. Uehara N, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):143-5

Ultrasonic measurement of depth of adipose tissue and muscle area in swine. **Nutr Rev** 1984 Sep;42(9):331-2

Twitch characteristics in relation to muscle architecture and actual muscle length. Woittiez RD, et al. **Pflugers Arch** 1984 Aug;401(4):374-9

Ultrasonic protocols for separately measuring subcutaneous fat and skeletal muscle thickness in the calf area. Weiss LW, et al. **Phys Ther** 1985 Apr;65(4):477-81

Organization of skeletal muscle in the urodele Triturus cristatus: muscle fibre types and motor units. Tonge DA, et al. **Proc R Soc Lond [Biol]** 1985 Feb 22;223(1233):495-510

Re: Accessory muscles of the lower part of the calf [letter] Le Minor JM. **Radiology** 1985 Jul;156(1):250

Relationship between muscle strength and muscle cross-sectional area. Implications for training. Maughan RJ. **Sports Med** 1984 Jul-Aug;1(4):263-9

[The point of intramuscular injections on deltoid muscle] Zhu

SL. **Chung Hua Hu Li Tsa Chih** 1984 Oct;19(5):310-2 **(Chi)**

[The auxiliary arch muscle and its clinical significance] Zheng JZ. **Chung Hua Wai Ko Tsa Chih** 1984 Jun;22(6):332-3, 381 (Eng. Abstr.) **(Chi)**

[Evaluation of the lean body and/or muscle mass in children receiving artificial nutrition. Comparative value of anthropometric data and the urinary excretion of creatinine and 3-methylhistidine] Ghisolfi J, et al. **Arch Fr Pediatr** 1984 Jun-Jul;41(6):385-9 (Eng. Abstr.) **(Fre)**

[The striated sphincter of the urethra. 1: Recall of knowledge on the striated sphincter of the urethra] de Leval J, et al. **J Urol (Paris)** 1984;90(7):439-54 (Eng. Abstr.) **(Fre)**

[Morphologic and functional transformation of muscle fibers induced by training] Howald H. **Rev Med Suisse Romande** 1984 Oct;104(10):757-69 (36 ref.) **(Fre)**

[Anomalies of the biceps muscle of the arm] Khaledpour C. **Anat Anz** 1985;158(1):79-85 (Eng. Abstr.) **(Ger)**

[The quadrate pronator muscle--a morphological and functional analysis] Koebke J, et al. **Anat Anz** 1984; 157(4):311-8 (Eng. Abstr.) **(Ger)**

[Comparative anatomy of the skeletal muscles in fallow deer (Dama dama L. 1758), sheep (Ovis aries L. 1758) and goats (Capra hircus L. 1758). 1. The forelimb] Pohlmeyer K. **DTW** 1984 Oct 8;91(10):354-60 (Eng. Abstr.) **(Ger)**

[A study on the extensor digitorum brevis manus muscle in man] Yoshida Y, et al. **Kaibogaku Zasshi** 1984 Aug; 59(4):313-21 (Eng. Abstr.) **(Jpn)**

[A study of exercise-induced muscular changes in rats] Wakata N, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):202-8 (Eng. Abstr.) **(Jpn)**

[Deltoid flap. Anatomical study] Tariki JY, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Jul-Aug; 39(4):188-92 (Eng. Abstr.) **(Por)**

[Structural and histochemical characteristics of different variants of the perimuscularization of the femoral vein in an experiment] Zuev NS, et al. **Biull Eksp Biol Med** 1985 May;99(5):622-4 (Eng. Abstr.) **(Rus)**

[Changes in skeletal muscle as a result of exercise. I. Swimming] Encinas AR, et al. **Arch Neurobiol (Madr)** 1985 Jan-Feb;48(1):15-25 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Development of the vascular supply in rat skeletal muscles. Bogusch G. **Acta Anat (Basel)** 1984;120(4):228-33

Regional ischemia due to compromised collateral circulation after arterial reconstruction. Lose G, et al. **Acta Chir Scand** 1985;151(3):301-3

A noninvasive plethysmographic method for evaluation of the musculovenous pump in the lower extremities. Struckmann J, et al. **Acta Chir Scand** 1985;151(3):235-40

Leg muscle circulation by 133Xenon clearance as a predictor of cardiovascular disease in an aged population. Agner E. **Acta Med Scand** 1984;216(1):47-52

Tourniquet effects on muscle oxygen tension in dog limbs. Experiments with cooling and breathing intervals. Nakahara M. **Acta Orthop Scand** 1984 Oct;55(5):576-8

An evaluation of the metabolic interaction with myogenic vascular reactivity during blood flow autoregulation. Borgström P, et al. **Acta Physiol Scand** 1984 Nov; 122(3):275-84

Serum factors other than albumin are needed for the maintenance of normal capillary permselectivity in rat hindlimb muscle. Haraldsson B, et al. **Acta Physiol Scand** 1985 Apr;123(4):427-36

Non-homogeneous blood flow distribution in the rabbit tenuissimus muscle. Differential control of total blood flow and capillary perfusion. Lindbom L, et al. **Acta Physiol Scand** 1984 Nov;122(3):225-33

Evidence that the arterial baroreceptors influence muscle blood flow and not subcutaneous flow in man. Skagen K, et al. **Acta Physiol Scand** 1985 Apr;123(4):405-9

Hemodynamic adaptations to exercise. Saltin B. **Am J Cardiol** 1985 Apr 26;55(10):42D-47D

Evidence that capillary perfusion heterogeneity is not controlled in striated muscle. Damon DH, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H386-92

Relationships among arteriolar, regional, and whole organ blood flow in cremaster muscle. Proctor KG, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H34-41

Arterial pressure responses to increasing interstitial potassium in hindlimb muscle of dogs. Rybicki KJ, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):R717-21

Differences in reactive hyperemia between the intestinal mucosa and muscularis. Shepherd AP, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):G617-22

Contractile properties of slow and fast muscle following tourniquet ischemia. Gardner VO, et al. **Am J Sports Med** 1984 Nov-Dec;12(6):417-23

Reversibility of muscular ischemia: a histochemical quantification by the nitroblue tetrazolium (NBT) test. Chachques JC, et al. **Angiology** 1985 Aug;36(8):493-9

An S.E.M. corrosion cast study on pericyte localization and role in microcirculation of skeletal muscle. Gaudio E, et al. **Angiology** 1985 Jul;36(7):458-64

The effect of 7-(2'-oxopropyl)-1,3-di-n-butyl-xanthine (BRL 30892) on ischaemic skeletal muscle pO2, pH and contractility in cats and rats. Angersbach D, et al. **Arzneimittelforsch** 1984;34(10):1274-8

Reactivity of small vessels from mature to senescent female rabbits. Owen TL. **Blood Vessels** 1985;22(4):172-8

Hyperthermia-induced vascular injury in normal and neoplastic tissue. Badylak SF, et al. **Cancer** 1985 Sep 1; 56(5):991-1000

Skeletal muscle perfusion and metabolism during canine endotoxin shock. van Lambalgen AA, et al. **Cardiovasc Res** 1985 May;19(5):278-87

The effect of long-term vasodilatation on capillary growth and performance in rabbit heart and skeletal muscle. Ziada AM, et al. **Cardiovasc Res** 1984 Dec;18(12):724-32

Capillarization, mitochondrial densities, oxygen diffusion distances and innervation of red and white muscle of the lizard Dipsosaurus dorsalis. Gleeson TT, et al. **Cell Tissue Res** 1984;237(2):253-8

Morphological differences in cutaneous and skeletal muscle vasculature during compensatory and decompensatory hemorrhagic hypotension. Johnson G 3d, et al. **Circ Shock** 1985;15(2):111-21

Metabolic and histologic changes in the ischemic muscles of replanted dog legs. Muramatsu I, et al. **Clin Orthop** 1985 Jun;(196):292-9

Regulation of muscle blood flow. Hudlická O. **Clin Physiol** 1985 Jun;5(3):201-29 (24 ref.)

The effect of long-term circulatory occlusion on pH and energy metabolism of the quadriceps muscle in man. Sjöholm H, et al. **Clin Sci** 1985 May;68(5):597-600

Skeletal muscle basement membrane in maturity-onset diabetes in the young. Mauer M, et al. **Diabetes** 1985 Apr; 34(4):321-5

Effect of felodipine and metoprolol on muscle and skin arteries in hypertensive patients. Clement DL, et al. **Drugs** 1985;29 Suppl 2:137-43

After effects of chronic hypoxia on cardiac output and muscle blood flow at rest and exercise. Cerretelli P, et al. **Eur J Applied Physiol** 1984;53(2):92-6

Effects of acute bleeding on oxygen supply to the skeletal muscle in dogs. Fontijne WP, et al. **Eur Surg Res** 1985; 17(1):61-8

Effect of tourniquet ischaemia on carbohydrate metabolism of dog skeletal muscle. Hörl M, et al. **Eur Surg Res** 1985; 17(1):53-60

Muscle blood flow during locomotory exercise. Laughlin MH, et al. **Exerc Sport Sci Rev** 1985;13:95-136 (161 ref.)

Histochemical assessment of cytochrome oxidase activity for monitoring ischemic muscle injury. Millis RM, et al. **Exp Neurol** 1985 May;88(2):265-76

Arterial blood supply to the infrahyoid muscles: an anatomical study. Eliachar I, et al. **Head Neck Surg** 1984 Oct;7(1):8-14

Circulatory changes in muscle and skin arteries in primary hypertension. Clement DL, et al. **Hypertension** 1984 Nov-Dec;6(6 Pt 2):III122-7 (27 ref.)

Mechanisms and site of control for variation in the number of perfused capillaries in skeletal muscle. Lindbom L, et al. **Int J Microcirc Clin Exp** 1985;4(1):19-30

Effect of aerobic conditioning on the peripheral circulation during chronic beta-adrenergic blockade. Hiatt WR, et al. **J Am Coll Cardiol** 1984 Nov;4(5):958-63

Muscle blood flow patterns during exercise in partially curarized rats. Armstrong RB, et al. **J Appl Physiol** 1985 Mar;58(3):698-701

Effect of ischemia on responses of group III and IV afferents to contraction. Kaufman MP, et al. **J Appl Physiol** 1984 Sep;57(3):644-50

Estimation of isogravimetric capillary pressure by a filtration method in skeletal muscle and lung. Korthuis RJ, et al. **J Appl Physiol** 1984 Dec;57(6):1817-23

Respiratory muscle and organ blood flow with inspiratory elastic loading and shock. Magder S, et al. **J Appl Physiol** 1985 Apr;58(4):1148-56

Blood flow distribution in dog gastrocnemius muscle at rest and during stimulation. Piiper J, et al. **J Appl Physiol** 1985 Jun;58(6):2068-74

Metabolic factors involved in regulation of muscle blood flow. Hudlická O, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 3:S59-72 (71 ref.)

CT signs of ischemic muscle necrosis. von Rottkay P. **J Comput Assist Tomogr** 1985 Jul-Aug;9(4):833-4

Development and adaptability of microvasculature in skeletal muscle. Hudlická O. **J Exp Biol** 1985 Mar;115:215-28 (88 ref.)

Calf muscle haemodynamics and the renin-angiotensin-aldosterone system in normotensive subjects with a familial predisposition to hypertension: changes during increased salt intake. Gudmundsson O, et al. **J Hypertens** 1984 Jun;2(3):291-6

The response of small blood vessels in rat skin and skeletal muscle to repeated application of histamine: a chemical, topographical and electron microscopic study. Jones GM, et al. **J Pathol** 1985 Aug;146(4):291-9

Vascular effects of Physalia physalis venom in the skeletal muscle of the dog. Loredo JS, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):301-4

Lack of selectivity to small ions in paracellular pathways in cerebral and muscle capillaries of the frog. Crone C. **J Physiol (Lond)** 1984 Aug;353:317-37

The effect of long-term high-frequency stimulation on capillary density and fibre types in rabbit fast muscles. Hudlicka O, et al. **J Physiol (Lond)** 1984 Aug;353:435-45

Changes in capillary distribution in rat fast muscles following nerve crush and reinnervation. Large J, et al. **J Physiol (Lond)** 1985 May;362:13-21

Indomethacin and meclofenamate potentiation of skeletal muscle active hyperemia. Rankin RS, et al. **Life Sci** 1985 Jan 14;36(2):161-8

The microvasculature in skeletal muscle. I. Arteriolar network in rat spinotrapezius muscle. Engelson ET, et al. **Microvasc Res** 1985 Jul;30(1):29-44

Microcirculation velocity changes under hypoxia in brain, muscles, liver, and their physiological significance. Ivanov KP, et al. **Microvasc Res** 1985 Jul;30(1):10-8

Flow and distribution of India ink in microvessels of the frog. Renkin EM. **Microvasc Res** 1985 Jan;29(1):32-44

Capillary permeability of 131I-albumin in skeletal muscle. Sejrsen P, et al. **Microvasc Res** 1985 May;29(3):265-81

ATP degradation products after ischemic exercise: hereditary lack of phosphorylase or carnitine palmityltransferase. Bertorini TE, et al. **Neurology** 1985 Sep;35(9):1355-7

Prognostication of myocutaneous flap viability using laser Doppler velocimetry and fluorescein microfluorometry. Cummings CW, et al. **Otolaryngol Head Neck Surg** 1984 Oct;92(5):559-63

The input impedance of the peripheral vascular termination in skeletal muscle. Bauer RD, et al. **Pflugers Arch** 1985 Mar;403(3):308-11

Changes in soleus muscle capillarity, oxidative capacity and fiber composition in rats recovering from hyperthyroidism. Sillau AH. **Pflugers Arch** 1985 May;404(1):67-72

New concepts on the arterial vascularization of skin and muscle. Bonnel F. **Plast Reconstr Surg** 1985 Apr; 75(4):552-9

Monitoring muscle viability using evoked M waves. Fasching MC, et al. **Plast Reconstr Surg** 1985 Feb;75(2):217-22

Effect of glucocorticoid treatment on skin capillary blood flow and viability in cutaneous and myocutaneous flaps in the pig. Nakatsuka T, et al. **Plast Reconstr Surg** 1985 Sep;76(3):374-85

A pharmacologic analysis of the action of platelet-activating factor in the induction of hindpaw edema in the rat. Goldenberg MM, et al. **Prostaglandins** 1984 Aug; 28(2):271-8

Recapillarization of tenotomized skeletal muscles after delayed tendon suture. I. Experimental study. Józsa L, et al. **Res Exp Med (Berl)** 1985;185(2):163-8

Effects of maturation on tissue capillarity in chickens. Byers RL, et al. **Respir Physiol** 1984 Nov;58(2):137-50

Skeletal muscle capillary supply in a fish that lacks respiratory pigments. Fitch NA, et al. **Respir Physiol** 1984 Aug;57(2):201-11

Effects of hypoxia on tissue capillarity in geese. Snyder GK, et al. **Respir Physiol** 1984 Nov;58(2):151-60

Effects of beta-adrenergic blocking drugs on arterial blood flow. Diehm C. **Vasa** 1984;13(3):201-6

[Microvascular vasomotion--II. Vasomotion in skeletal muscle] Xiu RJ, et al. **Chung Hua I Hsueh Tsa Chih** 1985 Apr;65(4):203-7 (Eng. Abstr.) **(Chi)**

[Muscular infarct resembling a tumor in diabetes: anatomo-clinical study of a case and review] Henriet M, et al. **Acta Clin Belg** 1984;39(4):197-204 (Eng. Abstr.) **(Fre)**

[Arterial vascularization of the brachioradial muscle] Mestdagh H, et al. **Ann Chir Plast Esthet** 1985;30(1):64-8 (Eng. Abstr.) **(Fre)**

[Temporal arteritis with necrotizing angiitis of the muscles] Bussière JL, et al. **Ann Med Interne (Paris)** 1984; 135(7):523-5 (Eng. Abstr.) **(Fre)**

[The anterior tibial artery and vascularization of the muscles of the anterior compartment of the leg. Application to the anterior compartment syndrome of the leg] Pillet J, et al. **Bull Assoc Anat (Nancy)** 1984 Jun;68(201):223-31 (Eng. Abstr.) **(Fre)**

[Arterial vascularization of the levator muscle of the upper eyelid] Ducasse A, et al. **Bull Soc Ophtalmol Fr** 1984 Mar; 84(3):329-32 (Eng. Abstr.) **(Fre)**

[Study of the muscular perfusion of the lower limbs using thallium 201 scintigraphy before and after lumbar sympathectomy in 13 patients] Serise JM, et al. **J Mal Vasc** 1985;10 Suppl A:94-6 (Eng. Abstr.) **(Fre)**

[Arterial supply of the sartorius muscle] Kaiser E, et al. **Chirurg** 1984 Nov;55(11):731-2 (Eng. Abstr.) **(Ger)**

[Circulation in myocutaneous flaps in the area of the tibia] Berger A, et al. **Handchir Mikrochir Plast Chir** 1985 May; 17(3):161-5 (Eng. Abstr.) **(Ger)**

[Muscle metabolism and blood circulation under ergometric stress in arterial occlusive disease (II)] Nissen P, et al. **Vasa** 1985;14(1):31-4 (Eng. Abstr.) **(Ger)**

[Peripheral arterial microembolisms--literature review and personal observations] Schmidtke I. **Vasa** 1984;Suppl 12:114-23 (Eng. Abstr.) **(Ger)**

[Heart and skeletal muscle scintigraphy with thallium 201] Creutzig H, et al. **Z Kardiol** 1985 Jan;74(1):1-4 (Eng. Abstr.) **(Ger)**

[On the arterial supply of the human trapezius muscle] Takafuji T. **Kaibogaku Zasshi** 1984 Apr;59(2):110-21 (Eng. Abstr.) **(Jpn)**

[Development of a new Xe-133 single dose multi-step method (SDMM) for muscle blood flow measurement using a gamma camera--methodology and basic evaluation] Bunko H, et al. **Kaku Igaku** 1985 May;22(5):575-82 (Eng. Abstr.) **(Jpn)**

[A case of allergic granulomatosis and angiitis complicated by multiple mononeuritis--studies on the vascular lesions in biopsied muscle tissues] Sekine F, et al. **Nippon Naika Gakkai Zasshi** 1985 May;74(5):571-6 **(Jpn)**

[Chamber for studying microcirculation in muscles] Kotliarov VS. **Arkh Anat Gistol Embriol** 1985 May; 88(5):83-4 **(Rus)**

[Effect of hypodynamia on the hemomicrocirculatory bed of the triceps muscle and brachial fascia in the rat] Nikitin MV, et al. **Arkh Anat Gistol Embriol** 1984 Oct;87(10):14-20 (Eng. Abstr.) **(Rus)**

[Relative volume of open capillaries in the skeletal muscles of rats with chronic local arterial hypotension] Doležel S, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):630-1 (Eng. Abstr.) **(Rus)**

[Effect of long-term arterial hypotension on the relative volume of functioning capillaries in working skeletal muscles] Shenderov SM, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):755-6 (Eng. Abstr.) **(Rus)**

[Electron microscopic research on capillary regeneration in skeletal muscle after mechanical damage] Volodina AV, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):111-4 (Eng. Abstr.) **(Rus)**

[Formation of new microvessels in the skeletal muscles of rats subjected to hypobaric hypoxia for a week] Kondashevskaia MV, et al. **Dokl Akad Nauk SSSR** 1984; 277(3):748-51 **(Rus)**

[Mechanisms of the stabilization of PO2 in the blood in muscle microvessels] Vovenko EP, et al. **Dokl Akad Nauk SSSR** 1985;281(3):745-8 **(Rus)**

[Effect of sodium oxybutyrate on metabolic indices in ischemic hypoxia of muscle tissue] Lopatin AF, et al. **Farmakol Toksikol** 1984 Sep-Oct;47(5):53-5 (Eng. Abstr.) **(Rus)**

[Changes in osmolarity of arterial blood in intensive muscle exercise] Kostenko TP, et al. **Fiziol Zh SSSR** 1984 Jun; 70(6):818-21 (Eng. Abstr.) **(Rus)**

[Hyperemia in capillaries of the gastrocnemius muscle following stretching] Shustova NIa, et al. **Fiziol Zh SSSR** 1985 May;71(5):599-608 (Eng. Abstr.) **(Rus)**

[Autonomic shunting in complete traumatic transection of the spinal cord] Borshchagovskiĭ ML, et al. **Zh Vopr Neirokhir** 1985 Jan-Feb;(1):43-8 (Eng. Abstr.) **(Rus)**

[Factors of inner hemoregulation of the muscles of the larynx. Morphological and morphodynamic aspects] del Cañizo Alvarez A. **An Otorrinolaringol Ibero Am** 1984; 11(4):345-56 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Histochemical characterization of the muscle fiber types of the Teleost (Esox lucius L.). Zawadowska B, et al. **Acta Histochem (Jena)** 1984;75(1):91-100

Regulating expression of protein isoforms. Overview. Fischman DA, et al. **Adv Exp Med Biol** 1985;182:203-14

Myotrophic factor(s) in normal and dystrophic chicken skeletal muscle. Matsuda R, et al. **Adv Exp Med Biol** 1985; 182:137-40

Satellite cells in normal, regenerating and dystrophic muscle. Schultz E. **Adv Exp Med Biol** 1985;182:73-84

Synthesis and accumulation of myosin isozymes in tissue culture. Whalen RG, et al. **Adv Exp Med Biol** 1985; 182:193-9

Variation of fiber types in the triceps brachii, longissimus dorsi, gluteus medius, and biceps femoris of horses. van den Hoven R, et al. **Am J Vet Res** 1985 Apr;46(4):939-41

Fibre types of M. pectineus of the dog (Canis familiaris). Guazzelli Filho J, et al. **Anat Anz** 1985;158(4):359-62

Study on the jaw-closing muscle, Adductor mandibulae, of the salmon, Oncorhynchus masou. 1. Fiber types. Maeda N, et al. **Anat Anz** 1984;157(2):159-66

Presence of a 1,25-dihydroxy-vitamin D3 receptor in chick skeletal muscle myoblasts. Boland R, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):305-11

Effect of monensin on myoblast fusion. Den H. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):313-9

Effect of sodium butyrate on gene expression in a rat myogenic cell line. Leibovitch MP, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1129-36

The fusion of myoblasts. Wakelam MJ. **Biochem J** 1985 May 15;228(1):1-12 (115 ref.)

Coordinate regulation of histone mRNAs during growth and differentiation of rat myoblasts. Bird RC, et al. **Biochim Biophys Acta** 1985 Mar 20;824(3):209-17

Poly(2-hydroxyethyl methacrylate)--collagen composites which promote muscle cell differentiation in vitro. Stol M, et al. **Biomaterials** 1985 May;6(3):193-7

Clonal heterogeneity of thymic muscle-cell precursors. Kamo I, et al. **Biosci Rep** 1984 Nov;4(11):925-32

Dependence of Na+,K+-ATPase and electrogenic component of Em in cultured myotubes on cell fusion. Brodie C, et al. **Brain Res** 1985 Jun 17;336(2):384-6

Isolated, mononucleated, striated muscle can undergo pluripotent transdifferentiation and form a complex regenerate. Schmid V, et al. **Cell** 1984 Oct;38(3):801-9

Biosynthesis of laminin and fibronectin by rat satellite cells during myogenesis in vitro. Hantaï D, et al. **Cell Biol Int Rep** 1985 Jul;9(7):647-54

Inhibition of myogenesis by trifluoperazine and compound 48/80. Shainberg A, et al. **Cell Biol Int Rep** 1985 Mar; 9(3):265-73

Specificity of chicken and mammalian transferrins in myogenesis. Beach RL, et al. **Cell Differ** 1985 Apr; 16(2):93-100

Change of hyaluronic acid synthesis during differentiation of myogenic cells and its relation to transformation of myoblasts by Rous sarcoma virus. Yoshimura M. **Cell Differ** 1985 May;16(3):175-85

Scanning electron microscopy of macrophages in the tail musculature of the metamorphosing anuran tadpole, Rana japonica. Watanabe K, et al. **Cell Tissue Res** 1985; 241(3):545-50

Cell surface differentiation antigen of human muscle encoded by a gene (MIC12) on chromosome 15. Walsh FS, et al. **Cytogenet Cell Genet** 1985;39(1):51-6

Motoneurons purified by cell sorting respond to two distinct activities in myotube-conditioned medium. Calof AL, et al. **Dev Biol** 1984 Nov;106(1):194-210

Changes in myofibrillar gene expression during fiber-type transformation in the claw closer muscles of the snapping shrimp, Alpheus heterochelis. Quigley MM, et al. **Dev Biol** 1984 Nov;106(1):262-5

Actin filaments and acetylcholine receptor clusters in embryonic chick myotubes. Connolly JA, et al. **Eur J Cell Biol** 1985 May;37:191-5

Primary culture of chick embryo skeletal muscle on dextran microcarrier. Pawlowski R, et al. **Eur J Cell Biol** 1984 Nov; 35(2):296-303

Effect of inhibitors of the lipoxygenase pathway on mouse myoblast fusion. Steiner S, et al. **Exp Cell Res** 1984 Nov; 155(1):289-93

The dynamic nature of DNA-strand breaks present in differentiating muscle cells and quiescent lymphocytes. Farzaneh F, et al. **FEBS Lett** 1985 Sep 9;189(1):62-6

The histochemistry of asparagine-linked oligosaccharides of glycoproteins in mammalian and avian tissues as studied by digestion with almond glycopeptidase. Murata H, et al. **Histochem J** 1985 Feb;17(2):121-30

Insulin binding on cultured chick muscle cells: decrease in binding associated with cell fusion. Nissen SL, et al. **Horm Metab Res** 1984 Jun;16(6):303-7

Stimulation and inhibition of myoblast differentiation by hormones. Florini JR, et al. **In Vitro** 1984 Dec; 20(12):942-58

Modulation of differentiation in vitro. II. Influence of cell spreading and surface events on myogenesis. Sénéchal H, et al. **In Vitro** 1984 Sep;20(9):692-8

Histone H1(0): a maintainer of the differentiated cell state? Van Helden PD. **Int J Biochem** 1985;17(3):381-5

Myofiber differentiation in skeletal muscles of newborn runt and normal weight pigs. Aberle ED. **J Anim Sci** 1984 Dec; 59(6):1651-6

Effect of insulin and linoleic acid on satellite cell differentiation. Allen RE, et al. **J Anim Sci** 1985 Jun; 60(6):1571-9

Endocytosis, proteolysis, and exocytosis of exogenous proteins by cultured myotubes. Janeczko RA, et al. **J Biol Chem** 1985 Jun 10;260(11):7051-8

Specificity of fatty acid acylation of cellular proteins. Olson EN, et al. **J Biol Chem** 1985 Mar 25;260(6):3784-90

Distribution of the cell substratum attachment (CSAT) antigen on myogenic and fibroblastic cells in culture. Damsky CH, et al. **J Cell Biol** 1985 May;100(5):1528-39

Differential expression and distribution of chicken skeletal- and smooth-muscle-type alpha-actinins during myogenesis in culture. Endo T, et al. **J Cell Biol** 1984 Dec; 99(6):2322-32

The calcium-dependent myoblast adhesion that precedes cell fusion is mediated by glycoproteins. Knudsen KA. **J Cell Biol** 1985 Sep;101(3):891-7

Control by fibroblast growth factor of differentiation in the BC3H1 muscle cell line. Lathrop B, et al. **J Cell Biol** 1985 May;100(5):1540-7

Posttranslational control of membrane-skeleton (ankyrin and alpha beta-spectrin) assembly in early myogenesis. Nelson WJ, et al. **J Cell Biol** 1985 May;100(5):1726-35

Changes in the H-1 histone complement during myogenesis. II. Regulation by differential coupling of H-1 variant mRNA accumulation to DNA replication. Winter E, et al. **J Cell Biol** 1985 Jul;101(1):175-81

Changes in the H-1 histone complement during myogenesis. I. Establishment by differential coupling of H-1 species synthesis to DNA replication. Winter E, et al. **J Cell Biol** 1985 Jul;101(1):167-74

The amplified expression of factors regulating myogenesis in L6 myoblasts. Wright WE. **J Cell Biol** 1985 Jan; 100(1):311-6

The differentiation of avian skeletal muscle in culture: changes in responsiveness of adenylyl cyclase to prostaglandin E1 and adrenergic agonists. Curtis DH, et al. **J Cell Physiol** 1985 May;123(2):219-27

Mitogenic actions of insulin on fetal and neonatal rat cells in vitro. Crace CJ, et al. **J Endocrinol** 1985 Jan;104(1):63-8

Complement-dependent toxicity of serum from myasthenic patients to muscle cells in culture. Childs LA, et al. **J Neuroimmunol** 1985 Jul;9(1-2):69-80

The contribution of myofibers and fibrocytes to palmitate oxidation in skeletal muscle. Zuurveld JG, et al. **J Neurol Sci** 1985 Mar;67(3):337-43

Effects of elimination of activity on contractile and histochemical properties of rat soleus muscle. Spector SA. **J Neurosci** 1985 Aug;5(8):2177-88

Generation of chick skeletal muscle cells in groups of 16 from stem cells. Quinn LS, et al. **Nature** 1985 Feb 21-27; 313(6004):692-4

Distinctive effects of the viral oncogenes myc, erb, fps, and src on the differentiation program of quail myogenic cells. Falcone G, et al. **Proc Natl Acad Sci USA** 1985 Jan; 82(2):426-30

Continued expression of neonatal myosin heavy chain in adult dystrophic skeletal muscle. Bandman E. **Science** 1985 Feb 15;227(4688):780-2

Temperature-sensitive non-fusing myoblast variant and spontaneous revertant: isolation and characterization. Engel LC, et al. **Somatic Cell Mol Genet** 1985 Jul;11(4):325-38

[Effect of exercise treadmill training on the distribution of fiber types and fiber diameter in the semitendinous muscle of swine] Salomon FV, et al. **Arch Exp Veterinarmed** 1984 Nov;38(6):800-6 (Eng. Abstr.) **(Ger)**

[Genetic and functional effects on fiber type composition and fiber diameters in the longissimus muscle of the thorax and the semitendinous muscle of swine. Studies of exercised domestic swine and wild swine kept under restricted mobility] Szentkuti L, et al. **DTW** 1985 Mar 8;92(3):93-7 (Eng. Abstr.) **(Ger)**

[Differentiation of muscle proteins and their significance] Masaki T. **Nippon Rinsho** 1985 May;43(5):1055-64 (36 ref.) **(Jpn)**

[Skeletal musculature of rats during modeling of the physiological effects of weightlessness (morphological study)] Il'ina-Kakueva EI, et al. **Kosm Biol Aviakosm Med** 1985 May-Jun;19(3):56-60 (Eng. Abstr.) **(Rus)**

[Histochemical and morphometric studies of the cranial tibial muscle in dogs of different dynamic aptitudes (greyhound, German shepherd and fox terrier)] Rodríguez-Barbudo P, et al. **Anat Histol Embryol** 1984 Dec;13(4):300-12 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Effects of succinylcholine chloride on the response of fast and slow muscle in the cat. Choi WW, et al. **Acta Anaesthesiol Scand** 1984 Oct;28(5):516-20

Local tissue damage after intramuscular injections in rabbits and pigs: quantitation by determination of creatine kinase activity at injection sites. Diness V. **Acta Pharmacol Toxicol (Copenh)** 1985 May;56(5):410-5

Tests for local toxicity of intramuscular drug preparations: comparison of in vivo and in vitro methods. Svendsen O, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Feb; 56(2):183-90

Effect of phlorizin on the action potential and voltage-dependent ionic conductances in frog skeletal muscle. Cseri J. **Acta Physiol Hung** 1984;64(2):143-55

Cevadine-induced changes of membrane potential and sodium transport of muscle membrane in a chloride-free solution. Dankó M, et al. **Acta Physiol Hung** 1985; 65(2):199-211

Effect of redox agents on the non-electrolyte isotonic concentrations and on the equivalent pore radius of skeletal muscles of the frog. Dely M, et al. **Acta Physiol Hung** 1985; 65(2):103-8

Changes in neuromuscular performance and muscle fiber characteristics of elite power athletes self-administering androgenic and anabolic steroids. Alén M, et al. **Acta Physiol Scand** 1984 Dec;122(4):535-44

Dopamine effects on the oxygenation of human skeletal muscle. Fleckenstein W, et al. **Adv Exp Med Biol** 1984; 180:609-22

Ultrastructural features of Adriamycin-induced skeletal and cardiac muscle toxicity. Doroshow JH, et al. **Am J Pathol** 1985 Feb;118(2):288-97

Heterogeneity of insulin action in individual muscles in vivo: euglycemic clamp studies in rats. James DE, et al. **Am J Physiol** 1985 May;248(5 Pt 1):E567-74

Effects of glucocorticoid treatment on excitation-contraction coupling. Laszewski B, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):E363-9

Effect of veratridine on membrane potential of sartorius muscle from Rana pipiens. McKinney LC. **Am J Physiol** 1984 Nov;247(5 Pt 1):C309-13

Insulin-induced hyperpolarization of skeletal muscle [letter] Zierler K, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E833-6

The effect of diazepam on genioglossal muscle activity in normal human subjects. Leiter JC, et al. **Am Rev Respir Dis** 1985 Aug;132(2):216-9

Muscle electromechanical correlations during succinylcholine infusion. Donati F, et al. **Anesth Analg** 1984 Oct;63(10):8[illegible]-4

Action of verapamil at the neuromuscular junction: prejunctional or postjunctional? [letter] Baraka A. **Anesthesiology** 1985 Aug;63(2):234-6

Concerning the site of action of verapamil on skeletal muscle [letter] Foldes FF. **Anesthesiology** 1984 Dec;61(6):783-5

Neuromuscular effects of atracurium in infants and children. Goudsouzian N, et al. **Anesthesiology** 1985 Jan;62(1):75-9

Effect of calcium-entry blockers and divalent cations on noradrenaline-induced contractions of the rat anococcygeus muscle. Oriowo MA. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):45-52

Synergistic influence of polypeptide growth factors on cultured human muscle. Askanas V, et al. **Arch Neurol** 1985 Aug;42(8):749-52

The toxic effects of clofibrate and its metabolite on mammalian skeletal muscle: an electrophysiological study. Conte-Camerino D, et al. **Arch Toxicol [Suppl]** 1984; 7:482-4

Intramuscular injections and muscle damage: effects of concentration, volume, injection speed and vehicle.

Svendsen O, et al. **Arch Toxicol [Suppl]** 1984;7:472-5

Pharmacological studies of mabuterol, a new selective beta 2-stimulant. III: Effects on the central nervous system, striated muscle and carbohydrate and lipid metabolism. Osada E, et al. **Arzneimittelforsch** 1984;34(11A):1652-8

Effect of a novel thermogenic beta-adrenoceptor agonist (BRL 26830) on insulin resistance in soleus muscle from obese Zucker rats. Challiss RA, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):928-35

Reversal of dietary-induced insulin resistance in muscle of the rat by adenosine deaminase and an adenosine-receptor antagonist. Budohoski L, et al. **Biochem J** 1984 Nov 15; 224(1):327-30

Effects of phencyclidine and analog drugs on acetylcholine receptor of cultured muscle cells. Amir A, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):949-54

Inhibition of lipid peroxidation in muscle homogenates by phospholipase A2 inhibitors. Jackson MJ, et al. **Biosci Rep** 1984 Jul;4(7):581-7

Isoproterenol induces a ribosomal modification in the heart and the skeletal muscle of hamsters. Noël J, et al. **Biosci Rep** 1985 Jan;5(1):13-9

Comparison of the biphasic excitatory junction potential with membrane responses to adenosine triphosphate and noradrenaline in the rat anococcygeus muscle. Byrne NG, et al. **Br J Pharmacol** 1984 Nov;83(3):751-8

Some characteristics of the long-latency component of the evoked muscle response induced by administration of catechol to the anaesthetized rat: a neurophysiological and neuropharmacological investigation. Dewhurst DG. **Br J Pharmacol** 1984 Sep;83(1):83-8

Selectivity and potency of 2-alkyl analogues of the alpha 2-adrenoceptor antagonist idazoxan (RX 781094) in peripheral systems. Doxey JC, et al. **Br J Pharmacol** 1984 Nov;83(3):713-22

Prevention of denervation atrophy in muscle: mammalian neurotrophic factor is not transferrin. Davis HL, et al. **Brain Res** 1984 Sep 10;309(2):293-8

Respiratory muscle pharmacotherapy. Aubier M, et al. **Bull Eur Physiopathol Respir** 1984 Sep-Oct;20(5):459-66 (53 ref.)

Comparison of tissue reactions produced by Haemophilus pleuropneumoniae vaccines made with six different adjuvants in swine. Straw BE, et al. **Can J Comp Med** 1985 Apr;49(2):149-51

A comparison of the effects of cationic, anionic, and neutral amphipathic agents on the contractile behaviour of frog skeletal muscle. I. Twitches and potential threshold for contraction. Foulks JG, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1348-55

A comparison of the effects of cationic, anionic, and neutral amphipathic agents on the contractile behaviour of frog skeletal muscle. II. Amplitude of depolarization and repolarization-induced contractures. Foulks JG, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1356-64

Effects of calcium and magnesium salts on nickel subsulfide carcinogenicity in Fischer rats. Kasprzak KS, et al. **Carcinogenesis** 1985 Aug;6(8):1161-66

Effect of theophylline on respiratory muscle function. Aubier M, et al. **Chest** 1985 Aug;88(2 Suppl):91S-97S

The modulatory action of 5-hydroxytryptamine on sodium efflux: the barnacle muscle fibre as a model system. Bittar EE, et al. **Comp Biochem Physiol [C]** 1985;80(2):421-9

The responses of isolated preparations of Bunodosoma caissarum (Correa, 1964) (Cnidaria, Anthozoa) to drugs. Mendes EG, et al. **Comp Biochem Physiol [C]** 1984; 79(2):375-82

The effects of some putative transmitters and biogenic amines on uropod abductor muscle in the crayfish Procambarus clarkii and Cambaroides japonicus. Yoshino M, et al. **Comp Biochem Physiol [C]** 1984;78(2):289-93

Inotropic effect of different albumin solutions on isolated papillary muscle. Schlag G, et al. **Crit Care Med** 1985 Aug; 13(8):661-3

Phorbol ester provokes insulin-like effects on glucose transport, amino acid uptake, and pyruvate dehydrogenase activity in BC3H-1 cultured myocytes. Farese RV, et al. **Endocrinology** 1985 Jun;116(6):2650-5

In vivo effects of cadmium on some enzyme activities in tissues of the freshwater catfish, Heteropneustes fossilis. Sastry KV, et al. **Environ Res** 1985 Feb;36(1):32-45

Effects of phalloidin on electrical and mechanical activity of frog muscle fibres. Cognard C, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):89-94

Comparison of the effects of forskolin and isoprenaline on tracheal, cardiac and skeletal muscles from guinea-pig. Waldeck B, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):349-53

Muscle atrophy and histopathology of the soleus in 6-mercaptopurine-treated rats. Jaweed MM, et al. **Exp Mol Pathol** 1985 Aug;43(1):74-81

Potassium and caffeine contractures in limb muscles of normal and dystrophic (C57 BL/6J dy2J/dy2J) mice. Noireaud J, et al. **Exp Neurol** 1985 Mar;87(3):495-502

Histopathology of spinal cord, peripheral nerve, and soleus muscle of rats treated with triethyltin bromide. Richman EA, et al. **Exp Neurol** 1984 Oct;86(1):122-33

Long-term effects of estrogen on rat skeletal muscle. Suzuki S, et al. **Exp Neurol** 1985 Feb;87(2):291-9

Stereoisomers of alpha-tocopheryl acetate. III. Simultaneous determination of resorption-gestation and myopathy in rats as a means of evaluating biopotency ratios of all-rac- and RRR-alpha-tocopheryl acetate. Weiser H, et al. **Int J Vitam Nutr Res** 1985;55(2):149-58

In vitro responses of cat skeletal muscle to halothane and caffeine. Deuster PA, et al. **J Appl Physiol** 1985 Feb; 58(2):521-7

Effect of respiratory muscle weakness on P0.1 induced by partial curarization. Holle RH, et al. **J Appl Physiol** 1984 Oct;57(4):1150-7

Effect of beta-adrenoceptor blockade on H+ and K+ flux in exercising humans. Katz A, et al. **J Appl Physiol** 1985 Aug;59(2):336-41

Bradykinin-induced chemoreflexes from skeletal muscle: implications for the exercise reflex. Stebbins CL, et al. **J Appl Physiol** 1985 Jul;59(1):56-63

Neuromuscular effects of monoamine oxidase inhibitors. Lieberman JA, et al. **J Clin Psychopharmacol** 1985 Aug; 5(4):221-8

The effect of the ATP analogue AMPPNP on the structure of crossbridges in vertebrate skeletal muscles: X-ray diffraction and mechanical studies. Padrón R, et al. **J Muscle Res Cell Motil** 1984 Dec;5(6):613-55

Cyclic adenosine 3':5'-monophosphate and cytosolic calcium exert opposing effects on biosynthesis of tetrodotoxin-sensitive sodium channels in rat muscle cells. Sherman SJ, et al. **J Neurosci** 1985 Jun;5(6):1570-6

The mouse anococcygeus muscle as a preparation for the bioassay of oxytocin. Botting JH, et al. **J Pharm Pharmacol** 1985 May;37(5):348-9

The effects of neostigmine on the response of the rat anococcygeus muscle to field stimulation are not a consequence of cholinesterase inhibition. Smith JA, et al. **J Pharm Pharmacol** 1985 Jan;37(1):49-52

Toxicity of local anaesthetics on myogenic cells in culture. Hagiwara Y, et al. **J Pharmacobiodyn** 1985 Feb;8(2):106-13

Reversible suppression of growth and differentiation of cultured chick myogenic cells with very low concentrations of dibucaine. Hagiwara Y, et al. **J Pharmacobiodyn** 1985 Apr;8(4):311-9

Miniature end-plate potentials in rat skeletal muscle poisoned with botulinum toxin. Kim YI, et al. **J Physiol (Lond)** 1984 Nov;356:587-99

Effects of inhibiting carbonic anhydrase on isometric contraction of frog skeletal muscle. Scheid P, et al. **J Physiol (Lond)** 1985 Apr;361:91-101

The effect of calcium ions on the glutamate response and its desensitization in crayfish muscle fibres. Thieffry M. **J Physiol (Lond)** 1984 Oct;355:119-35

Transmitter release in botulinum-poisoned muscles. Thesleff S. **J Physiol (Paris)** 1984;79(4):192-5 (28 ref.)

Studies on the muscle relaxation effects of ethyl loflazepate (CM6912) and evaluation as an anti-anxiety drug. Sakai Y, et al. **Jpn J Pharmacol** 1984 Nov;36(3):319-28

Effects of divalent cations on biphasic potassium contractures and on contractile inactivation in low calcium solutions in frog single twitch muscle fibers. Takauji M, et al. **Jpn J Physiol** 1984;34(6):961-72

Effect of endurance training and chronic isoproterenol treatment on skeletal muscle sensitivity to norepinephrine. Côté C, et al. **Life Sci** 1985 Aug 26;37(8):695-701

Sarcoplasmic reticulum membrane of rat skeletal muscle is disordered with chronic alcohol ingestion. Ohnishi ST, et al. **Membr Biochem** 1985;6(1):49-63

Calcium channel blockers cardiovascular versus skeletal muscles. Baraka A. **Middle East J Anaesthesiol** 1985 Feb; 8(1):27-35

Intracellular mechanism of quinidine action on muscle contraction. A comparison between rabbit cardiac and skeletal muscle. Su JY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jul; 326(4):375-81

On the mechanism of catecholamine-induced hyperpolarization of skeletal muscle cells. Zemková H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar; 329(1):18-23

Diphenylhydantoin reduces veratridine-induced sodium permeability in frog skeletal muscle. McKinney LC. **Neurosci Lett** 1985 Apr 9;55(2):173-8

Effects of 1 alpha-hydroxyvitamin D3 on the skeletal muscle of uremic rats. Mizuiri S, et al. **Nippon Jinzo Gakkai Shi** 1985 Mar;27(3):311-7

Unequal depolarization of the membrane of the rat diaphragm muscle fibres caused by veratrine. Brazil OV, et al. **Pflugers Arch** 1985 May;404(1):45-9

Effects of enflurane on excitation-contraction coupling in frog skeletal muscle fibers. Kurihara S, et al. **Pflugers Arch** 1984 Dec;402(4):345-52

Force and membrane potential in acetylcholine and potassium contractures of denervated mouse muscles. Lorković H. **Pflugers Arch** 1985 May;404(1):50-5

Effects of albumin on resting membrane potential of toad semitendinosus muscles. Shetty RP, et al. **Pflugers Arch** 1985 May;404(1):83-5

The effect of substance P on the mechanical and electrical responses of frog, chick and rat skeletal muscle. Wali FA. **Pharmacol Res Commun** 1985 Feb;17(2):137-47

Effects of some intravenous anaesthetics on the contractile responses produced in the chick biventer cervicis skeletal muscle. Wali FA. **Pharmacol Res Commun** 1985 Apr; 17(4):361-76

Hyperpolarization produced by methohexitone in the chick biventer cervicis skeletal muscle. Wali FA. **Pharmacol Res Commun** 1984 Sep;16(9):945-56

Effects of 6-hydroxydopamine on the carbohydrate metabolism of skeletal and heart muscles in rest and during exercise. Derevenco P, et al. **Physiologie** 1984 Jul-Sep; 21(3):173-9

Serum creatine kinase after intramuscular injections. Konikoff F, et al. **Postgrad Med J** 1985 Jul;61(717):595-8

Regulation of protein degradation in chick muscle by several hormones and metabolites. Klasing KC, et al. **Poult Sci** 1985 Apr;64(4):694-9

Effects of the venom of the Southern Pacific rattlesnake, Crotalus viridis helleri, and its fractions on striated and smooth muscle. Metsch RB, et al. **Proc West Pharmacol Soc** 1984;27:395-8

Effects of methylxanthines on skeletal muscle and on respiration. Fredholm BB. **Prog Clin Biol Res** 1984; 158:365-75 (40 ref.)

Effects of botulinum toxin on synapse formation and acetylcholine sensitivity in skeletal muscle in the newt. Sayers H, et al. **Q J Exp Physiol** 1985 Jan;70(1):63-73

Histopathological study of local changes after intramuscular administration of cysteamine or its combination with mexamine in rats. Rešl M, et al. **Radiobiol Radiother (Berl)** 1984;25(4):571-8

Genesis of oestrogenic inhibition of soleus muscle development in female mice. Ihemelandu EC. **Res Vet Sci** 1984 Sep;37(2):138-40

Action of nicotine on the respiratory activity of the diaphragm and genioglossus muscles and the nerves that innervate them. Haxhiu MA, et al. **Respir Physiol** 1984 Aug;57(2):153-69

Neurological analysis of respiratory, cardiovascular and neuromuscular effects of brevetoxin in cats. Borison HL, et al. **Toxicon** 1985;23(3):517-24

Presynaptic and musculotropic effects of a basic phospholipase A2 from the Formosan habu (Trimeresurus mucrosquamatus) venom. Ho CL, et al. **Toxicon** 1984; 22(5):813-6

Skeletal muscle activity of alcohol-treated rabbits in immersion hypothermia: adenine nucleotide concentrations and phosphorylation state. Huttunen P, et al. **Z Rechtsmed** 1985;94(1):31-9

[Effect of soman on cholinesterase activity and acetylcholine content of earthworm dorsal muscle] Ren YF, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):145-6 (Eng. Abstr.) **(Chi)**

[Changes in muscle power production capacity in power athletes self-administering androgenic anabolic steroids] Alén M, et al. **Duodecim** 1984;100(17):1096-104 (Eng. Abstr.) **(Fin)**

[Demonstration and purification of the toxin from Conus tessulatus. Toxicity in the crab Carcineus maenas and in muscle tissue from the guinea pig] Randimbivololona N, et al. **Arch Inst Pasteur Madagascar** 1984;51(1):275-84 **(Fre)**

[Neuromuscular block induced by fazadinium. Electrophysiological study on fast and slow muscles in the rabbit] Dattola R, et al. **Minerva Anestesiol** 1984 Jul-Aug; 50(7-8):379-82 (Eng. Abstr.) **(Ita)**

[Alcoholic myopathy. Histochemical and ultrastructural study] Aragona F, et al. **Riv Neurol** 1984 Nov-Dec; 54(6):374-82 (Eng. Abstr.) **(Ita)**

[Local atrophy after injection of a depot corticosteroid (letter)] Hørthe K. **Tidsskr Nor Laegeforen** 1984 Sep 30; 104(27):1929 **(Nor)**

[Effect of caffeine on active Ca2+ ion transport in a homogenate of skeletal muscles and myocardium] Ritov VB, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):176-9 (Eng. Abstr.) **(Rus)**

[Initial ultrastructural changes in the muscle fibers of the diaphragm in rats exposed to chlorophos] Kuznetsov VG, et al. **Tsitologiia** 1985 Apr;27(4):411-4 (Eng. Abstr.) **(Rus)**

[Transmembrane effects in the sodium pump system. I. The effect of external potassium and rubidium on the dependence of sodium efflux on sodium concentration in the frog muscle] Marakhova II. **Tsitologiia** 1984 Oct; 26(10):1136-44 (Eng. Abstr.) **(Rus)**

[Amine inhibition of serum-induced DNA synthesis in 3T3 and 3T6 cell cultures] Nikol'skii NN, et al. **Tsitologiia** 1985 Apr;27(4):451-7 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Effect of maternal dietary fat on skeletal muscle cellularity and satellite cell content of the porcine fetus at 110 days of gestation. Campion DR, et al. **Acta Anat (Basel)** 1984; 120(3):170-2

The organogenesis of murine striated muscle: a cytoarchitectural study. Ontell M, et al. **Am J Anat** 1984 Oct;171(2):133-48

Organogenesis of the mouse extensor digitorum logus muscle: a quantitative study. Ontell M, et al. **Am J Anat** 1984 Oct; 171(2):149-61

Reduction of density and anisotropic distribution of intermediate filaments occur during avian skeletal myogenesis. Price MG, et al. **Am J Anat** 1984 Dec; 171(4):427-40

On the role of guanyl nucleotides in adenylate cyclase system of embryonic skeletal muscle. Pertseva MN, et al. **Biochem Int** 1983 Jun;6(6):789-97

Prostaglandins and cyclic AMP stimulate creatine kinase synthesis but not fusion in cultured embryonic chick muscle cells. Schützle UB, et al. **Biochim Biophys Acta** 1984 Oct

12;805(2):204–10

Differential expression of the cellular oncogenes c-src and c-yes in embryonal and adult chicken tissues. Gessler M, et al. **Biosci Rep** 1984 Sep;4(9):757–70

Motoneurone survival and neuritic outgrowth promoted by different cell types in embryonic muscle. Nurcombe V, et al. **Brain Res** 1985 Jul;353(1):49–60

Transcription of muscle-specific actin genes in early Xenopus development: nuclear transplantation and cell dissociation. Gurdon JB, et al. **Cell** 1984 Oct;38(3):691–700

An embryonal carcinoma cell line as a model system to study developmentally regulated genes during myogenesis. Dony C, et al. **Cell Differ** 1984 Dec;15(2–4):275–9

The effect of 4-aminopyridine-induced increased neuromuscular activity on the metabolism of developing muscles in chick embryos. Keresztes M, et al. **Cell Differ** 1985 Apr;16(2):133–7

Reorganization of membrane cholesterol during membrane fusion in myogenesis in vitro: a study using the filipin-cholesterol complex. Sekiya T, et al. **Cell Struct Funct** 1984 Jun;9(2):143–55

Changes in ganglioside metabolism during in vitro differentiation of quail embryo myoblasts. Dubois C, et al. **Dev Biol** 1984 Oct;105(2):509–17

Lineage segregation and developmental autonomy in expression of functional muscle acetylcholinesterase mRNA in the ascidian embryo. Meedel TH, et al. **Dev Biol** 1984 Oct;105(2):479–87

Loss of hyaluronate-dependent coat during myoblast fusion. Orkin RW, et al. **Dev Biol** 1985 Feb;107(2):527–30

Differentiation of fiber types in wing muscles during embryonic development: effect of neural tube removal. Phillips WD, et al. **Dev Biol** 1984 Dec;106(2):457–68

Temporal separation of the migration of distinct myogenic precursor populations into the developing chick wing bud. Seed J, et al. **Dev Biol** 1984 Dec;106(2):389–93

Expression of meta-vinculin associated with differentiation of chicken embryonal muscle cells. Saga S, et al. **Exp Cell Res** 1985 Jan;156(1):45–56

Maintenance of proliferative capacity during avian myogenesis is independent of fusion-permissive calcium ion concentration. Yaross MS, et al. **Exp Cell Res** 1985 Jun;158(2):360–70

Effect of maternal diet on skeletal muscle composition and metabolism and on bone dimensions and composition of the fetal pig. Campion DR, et al. **J Anim Sci** 1984 Oct;59(4):1003–10

Enzyme histochemical studies in an ontogeny study of muscle development in Ossabaw and decapitated fetuses: cellular reactions. Hausman GJ, et al. **J Anim Sci** 1985 Jun;60(6):1562–70

Isolation and partial characterization of high-buoyant-density proteoglycans synthesized in ovo by embryonic chick skeletal muscle and heart. Carrino DA, et al. **J Biol Chem** 1984 Oct 25;259(20):12419–30

A monoclonal antibody to the embryonic myosin heavy chain of rat skeletal muscle. Gambke B, et al. **J Biol Chem** 1984 Oct 10;259(19):12092–100

Extracellular matrix organization in developing muscle: correlation with acetylcholine receptor aggregates. Bayne EK, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1486–501

Adhesive multiplicity in the interaction of embryonic fibroblasts and myoblasts with extracellular matrices. Decker C, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1398–404

Electron microscopic characterization of chick embryonic skeletal muscle proteoglycans. Pechak DG, et al. **J Cell Biol** 1985 May;100(5):1767–76

Separation of precursor myogenic and chondrogenic cells in early limb bud mesenchyme by a monoclonal antibody. Sasse J, et al. **J Cell Biol** 1984 Nov;99(5):1856–66

Relationship between accelerations and decelerations in heart rate and skeletal muscle activity in fetal sheep. Bocking AD, et al. **J Dev Physiol** 1985 Feb;7(1):47–54

Histospecific acetylcholinesterase development in the presumptive muscle cells isolated from 16-cell-stage ascidian embryos with respect to the number of DNA replications. Mita-Miyazawa I, et al. **J Embryol Exp Morphol** 1985 Jun;87:1–12

The cell lineage of the muscles of the Drosophila head. Raghavan KV, et al. **J Embryol Exp Morphol** 1985 Feb;85:285–94

Closure of the squid cornea: a muscular basis for embryonic tissue movement. Arnold JM. **J Exp Zool** 1984 Nov;232(2):187–95

Coated vesicles are associated with acetylcholine receptors at nerve-muscle contacts. Bursztajn S. **J Neurocytol** 1984 Aug;13(4):503–18

Development of fiber types in human fetal muscle. An immunocytochemical study. Thornell LE, et al. **J Neurol Sci** 1984 Oct;66(1):107–15

Direct electrical stimulation promotes growth and enhances survival of aneurogenic muscles of the chick embryo. Bloom JW, et al. **J Neurosci** 1985 Feb;5(2):414–20

Acetylcholine receptor channel properties during development of Xenopus muscle cells in culture. Brehm P, et al. **J Physiol (Lond)** 1984 Dec;357:203–17

Development of synaptic currents in immobilized muscle of Xenopus laevis. Kullberg R, et al. **J Physiol (Lond)** 1985 Jul;364:57–68

Expression of type I and III collagen genes during differentiation of embryonic chicken myoblasts in culture. Gerstenfeld LC, et al. **Mol Cell Biol** 1984 Aug;4(8):1483–92

Cell type-specific activation of actin genes in the early amphibian embryo. Mohun TJ, et al. **Nature** 1984 Oct 25–31;311(5988):716–21

Development of human fetal muscles: a comparative histochemical analysis of the psoas and the quadriceps muscles. Kumagai T, et al. **Neuropediatrics** 1984 Oct;15(4):198–202

Appearance of basement membrane components during the differentiation of limb bud mesenchyme cells in culture. Hassell JR, et al. **Prog Clin Biol Res** 1985;171:75–86

A single troponin T gene regulated by different programs in cardiac and skeletal muscle development. Cooper TA, et al. **Science** 1984 Nov 23;226(4677):979–82

[Displacement of myotomic cells in muscle buds. Autoradiography study] Giacobini Robecchi MG, et al. **Bull Assoc Anat (Nancy)** 1984 Mar;68(200):35–40 (Eng. Abstr.) (Fre)

[Embryogenesis of the styloglossus muscle in the human embryo. Its relationship with neighboring structures] Benoit R, et al. **J Biol Buccale** 1985 Jun;13(2):113–31 (Eng. Abstr.) (Fre)

[Observations on the development of the plantar aponeurosis and the terminal tendon of the plantaris muscle in man] Marchini M, et al. **Arch Ital Anat Embriol** 1983 Oct–Dec;88(4):295–310 (Eng. Abstr.) (Ita)

ENZYMOLOGY

High muscle lipoprotein lipase activity in thyrotoxic patients. Lithell H, et al. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):227–31

Branched chain amino acid transaminase and branched chain alpha-ketoacid dehydrogenase activity in the brain, liver and skeletal muscle of acute hepatic failure rats. Takei N. **Acta Med Okayama** 1985 Feb;39(1):1–10

Biochemical compartmentation of fish tissues VII non-specific phosphomonoesterases in vital organs. Shaffi SA, et al. **Acta Physiol Hung** 1985;65(4):383–7

Activation of glycogen phosphorylase by electrical stimulation of isolated fast-twitch and slow-twitch muscles from rat. Chasiotis D, et al. **Acta Physiol Scand** 1985 Jan;123(1):43–7

Enzyme levels in pools of microdissected human muscle fibres of identified type. Adaptive response to exercise. Essén-Gustavsson B, et al. **Acta Physiol Scand** 1984 Apr;120(4):505–15

Distribution of fibre sizes in human skeletal muscle. An enzyme histochemical study in m tibialis anterior. Henriksson-Larsén K, et al. **Acta Physiol Scand** 1985 Feb;123(2):171–7

Stimulation of the synthesis of fructose 1,6-diphosphate aldolase by transferrin. Oh TH, et al. **Adv Exp Med Biol** 1985;182:129–35

Control of enzyme activities in individual myotubes cultured without nerve. Nemeth PM, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C313–7

Acetylcholinesterase levels in skeletal muscle of mice infected with Trypanosoma cruzi. Brennessel DJ, et al. **Am J Trop Med Hyg** 1985 May;34(3):460–4

Enzyme histochemical features of equine gluteus muscle fibers. van den Hoven R, et al. **Am J Vet Res** 1985 Aug;46(8):1755–61

Purification of muscle uridine diphosphoglucose pyrophosphorylase by hydrophobic chromatography. Bergamini C, et al. **Anal Biochem** 1984 Nov 15;143(1):35–8

Purification of glycogen phosphorylase from small quantities of mouse skeletal muscle. Butler PE, et al. **Anal Biochem** 1984 Sep;141(2):494–8

Characterization and comparison of soluble and immobilized pig muscle aldolases. Abrahám M, et al. **Appl Biochem Biotechnol** 1985 Apr;11(2):91–100

Resolution of the low-molecular-weight acid phosphatase in avian pectoral muscle into two distinct enzyme forms. Baxter JH, et al. **Arch Biochem Biophys** 1985 May 15;239(1):29–37

Properties of the resolved catalytic unit of skeletal muscle adenylate cyclase. Drummond GI. **Arch Biochem Biophys** 1984 Dec;235(2):427–37

Purification and some properties of carbonic anhydrase from bovine skeletal muscle. Engberg P, et al. **Arch Biochem Biophys** 1985 Sep;241(2):628–38

Fructose-1,6-bisphosphate aldolase from rabbit muscle: different catalytic behavior of the dihydroxyacetone phosphate binding sites at low temperature. Grazi E, et al. **Arch Biochem Biophys** 1984 Sep;233(2):595–602

Rat skeletal muscle glycogen synthase: phosphorylation of the purified enzyme by cAMP-dependent and -independent protein kinases. Hiken JF, et al. **Arch Biochem Biophys** 1985 Jan;236(1):59–71

Rabbit skeletal muscle acylphosphatase: the amino acid sequence of form Ra1. Manao G, et al. **Arch Biochem Biophys** 1985 Sep;241(2):418–24

Content and synthesis of glycolytic enzymes and creatine kinase in skeletal muscles and normal and dystrophic chickens. Petell JK, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):271–80

Differential response of cysteine residues in pig muscle phosphoglucose isomerase to seven sulfhydryl-modifying reagents. Scott-Ennis RJ, et al. **Arch Biochem Biophys** 1985 May 15;239(1):1–11

Metabolic differentiation of homologous leg muscles of two aquatic birds at the level of enzymatic organization. Deshpande BR, et al. **Arch Int Physiol Biochim** 1984 Aug;92(2):65–72

Immunocytochemical analysis of normal and acid maltase-deficient muscle cultures. Miranda AF, et al. **Arch Neurol** 1985 Apr;42(4):371–3

Infantile-acute acid maltase deficiency (Pompe's disease): studies of muscle cultures. Meola G, et al. **Basic Appl Histochem** 1984;28(3):245–55

The interaction and inhibition of muscle lactate dehydrogenase by the alkaloid caffeine. Gardiner NS, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):1057–65

Evidence that the ATP binding site of sarcoplasmic reticulum CaATPase has a Mg(2+) ion binding sub-site. Highsmith S. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):183–9

A source of apparent pyrophosphate:fructose 6-phosphate phosphotransferase activity in rabbit muscle phosphofructokinase. Kruger NJ, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):320–6

Stimulation of the cyclic AMP-dependent protein kinase-catalyzed phosphorylation of phosphorylase kinase by micromolar concentrations of spermine. Singh TJ, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1308–13

Phosphate ion inactivation of rabbit skeletal muscle aldolase in the crystalline state. Sygusch J, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):417–23

Dimers of porcine skeletal muscle lactate dehydrogenase produced by limited proteolysis during reassociation are enzymatically active in the presence of stabilizing salt. Girg R, et al. **Biochem Int** 1983 Oct;7(4):433–41

Evidence for alpha-ketoglutarate dehydrogenase monomer activity with the aid of enzyme immobilization. Gomazkova VS, et al. **Biochem Int** 1985 Jun;10(6):917–25

Substrate-dependent inactivation of muscle pyruvate dehydrogenase: identification of the acetyl-substituted enzyme form. Khailova LS, et al. **Biochem Int** 1985 Feb;10(2):291–300

The substrate-mediated inactivation of the pyruvate dehydrogenase component of the pigeon breast muscle pyruvate dehydrogenase complex. Khailova LS, et al. **Biochem Int** 1983 Oct;7(4):423–32

Localization of tryptophan residues in thiamine pyrophosphate-binding sites of pyruvate dehydrogenase from pigeon breast muscle. Korochkina LG, et al. **Biochem Int** 1984 Oct;9(4):491–9

Study of properties of phosphorylase kinase using hydrophobic chromatography. Pegova AN, et al. **Biochem Int** 1985 Jun;10(6):927–35

Purification and characterization of a multicatalytic high-molecular-mass proteinase from rat skeletal muscle. Dahlmann B, et al. **Biochem J** 1985 May 15;228(1):161–70

Activation of the multicatalytic proteinase from rat skeletal muscle by fatty acids or sodium dodecyl sulphate. Dahlmann B, et al. **Biochem J** 1985 May 15;228(1):171–7

The mechanism of rabbit muscle phosphofructokinase at pH8. Merry S, et al. **Biochem J** 1985 Feb 15;226(1):13–28

The role of phosphoenolpyruvate carboxykinase in muscle alanine synthesis. Palmer TN, et al. **Biochem J** 1984 Dec 15;224(3):971–6

Inactivation of rabbit muscle phosphoglycerate mutase by limited proteolysis with thermolysin. Price NC, et al. **Biochem J** 1985 Jul 1;229(1):167–71

Lysosomal triacylglycerol lipase activity in L6 myoblasts and its changes on differentiation. Sauro VS, et al. **Biochem J** 1985 Apr 15;227(2):583–9

Increase of the activity state and loss of total activity of the branched-chain 2-oxo acid dehydrogenase in rat diaphragm during incubation. Wagenmakers AJ, et al. **Biochem J** 1984 Dec 1;224(2):491–6

Myoadenylate deaminase deficiency: inherited and acquired forms. Fishbein WN. **Biochem Med** 1985 Apr;33(2):158–69

Mechanism of postmortem autolysis of skeletal muscle. Takeichi S, et al. **Biochem Med** 1984 Dec;32(3):341–8

Aging and reactivatability of plaice cholinesterase inhibited by soman and its stereoisomers. Bucht G, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3573–7

Inhibition studies on chicken muscle aldose reductase. Murphy DG, et al. **Biochem Pharmacol** 1985 Aug 15;34(16):2961–5

Inhibition of phosphatidylinositol phosphodiesterase activity in skeletal muscle by metal ions and drugs which block neuromuscular transmission. Shute JK, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2471–5

Unfolding-refolding transition of a hinge bending enzyme: horse muscle phosphoglycerate kinase induced by guanidine hydrochloride. Betton JM, et al. **Biochemistry** 1984 Dec 18;23(26):6654–61

Transient-state kinetics of the ADP-insensitive phosphoenzyme in sarcoplasmic reticulum: implications for transient-state calcium translocation. Froehlich JP, et al. **Biochemistry** 1985 Jan 1;24(1):126–36

Studies on adenosine triphosphate transphosphorylases. Amino acid sequence of rabbit muscle ATP-AMP transphosphorylase. Kuby SA, et al. **Biochemistry** 1984 May 22;23(11):2393–9

Subunit interaction of rabbit muscle phosphofructokinase: effects of purification procedures. Luther MA, et al. **Biochemistry** 1985 May 7;24(10):2463–70

Fusion of phospholipid vesicles induced by muscle glyceraldehyde-3-phosphate dehydrogenase in the absence of calcium. Morero RD, et al. **Biochemistry** 1985 Apr 9;24(8):1904–9

Thermodynamic linkages in rabbit muscle pyruvate kinase: analysis of experimental data by a two-state model. Oberfelder RW, et al. **Biochemistry** 1984 Aug 14;23(17):3822-6

Thermodynamic linkages in rabbit muscle pyruvate kinase: kinetic, equilibrium, and structural studies. Oberfelder RW, et al. **Biochemistry** 1984 Aug 14;23(17):3813-21

Interactions between citrate and nucleoside triphosphates in binding to phosphofructokinase. Ogawa Y, et al. **Biochemistry** 1985 Feb 12;24(4):954-8

Specific arginine modification at the phosphatase site of muscle carbonic anhydrase. Pullan LM, et al. **Biochemistry** 1985 Jan 29;24(3):635-40

Reaction of triosephosphate isomerase with L-glyceraldehyde 3-phosphate and triose 1,2-enediol 3-phosphate. Richard JP. **Biochemistry** 1985 Feb 12;24(4):949-53

The effect of fructose 2,6-bisphosphate on muscle fructose-1,6-bisphosphatase activity. Bosca L, et al. **Biochim Biophys Acta** 1985 Apr 5;828(2):151-4

The effect of pH on the interaction of substrates and effector to yeast and rabbit muscle pyruvate kinase. Brown CE, et al. **Biochim Biophys Acta** 1985 Jul 1;829(3):342-7

Isolation and kinetic properties of 5'-nucleotidase from guinea-pig skeletal muscle. Camici M, et al. **Biochim Biophys Acta** 1985 May 29;840(1):6-12

Influence of octopamine on trehalase activity in muscle and hemolymph of the American cockroach, Periplaneta americana L. Jahagirdar AP, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):177-83

Hormone-responsive alkaline proteinase in rat skeletal muscle is not a mast cell-derived enzyme. Mayer M, et al. **Biochim Biophys Acta** 1985 May 30;845(2):292-7

Purification and immunological characterisation of two calcium-activated neutral proteinases from rabbit skeletal muscle. Penny IF, et al. **Biochim Biophys Acta** 1985 Jun 10;829(2):244-52

Purification and properties of pig muscle carbonic anhydrase III. Pullan LM, et al. **Biochim Biophys Acta** 1985 Apr 17;839(2):147-54

Interaction with troponin T from white skeletal muscle restores in white skeletal muscle AMP deaminase those allosteric properties removed by limited proteolysis. Ranieri-Raggi M, et al. **Biochim Biophys Acta** 1985 Jan 21;827(1):93-100

Some properties of the nucleotide-binding site of troponin T kinase-casein kinase type II from skeletal muscle. Risnik VV, et al. **Biochim Biophys Acta** 1984 Oct 23;790(2):108-16

Regulation of creatine kinase during steady-state isometric twitch contraction in rat skeletal muscle. Shoubridge EA, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):72-8

Altered membrane association of glycogen phosphorylase in the dystrophic chicken. Sokolove PM. **Biochim Biophys Acta** 1985 Aug 16;841(2):232-6

Reaction of 5'-p-fluorosulfonylbenzoyl-1,N6-ethenoadenosine with histidine and cysteine residues in the active site of rabbit muscle pyruvate kinase. Tomich JM, et al. **Biochim Biophys Acta** 1985 Mar 1;827(3):344-57

Purification of five creatine kinase-MM variants from human heart and skeletal muscle. Vaidya H, et al. **Biochim Biophys Acta** 1984 Nov 9;790(3):230-7

An essential tryptophan residue for rabbit muscle creatine kinase. Zhou HM, et al. **Biochim Biophys Acta** 1985 Jul 18;830(1):59-63

Polymorphism of acetylcholinesterase and identification of new molecular forms after sedimentation analysis. Dreyfus PA, et al. **Biol Cell** 1984;51(1):35-41

Rapid changes in levels of individual molecular forms of acetylcholinesterase after denervation of mouse sternocleidomastoid muscle. Goudou D, et al. **Biol Cell** 1985;53(3):251-8

Influence of pH on the removal of pyridoxal 5'-phosphate from phosphorylase b. Muñoz F, et al. **Biophys Chem** 1984 Aug;20(1-2):175-81

Activation of mammalian skeletal-muscle carbonic anhydrase III by arginine modification. Tashian RE, et al. **Biosci Rep** 1984 Jul,4(7):573-9

Relationship of ergometer-specific VO2 max and muscle enzymes to blood lactate during submaximal exercise. Jacobs I, et al. **Br J Sports Med** 1985 Jun;19(2):77-80

Characteristics of skeletal muscle ecto-ATPase in situ. Manery JF, et al. **Can J Biochem Cell Biol** 1984 Oct;62(10):1015-26

Succinic dehydrogenase activity of forelimb and hindlimb muscles of the dystrophic mouse. Parry DJ, et al. **Can J Physiol Pharmacol** 1984 Aug;62(8):905-11

Muscle-specific expression of a gene affecting acetylcholinesterase in the nematode caenorhabditis elegans. Herman RK, et al. **Cell** 1985 Mar;40(3):509-14

Histochemical and biochemical study of the caudal muscles of two teleost fishes--Heteropneustes fossilis and Channa punctata. Shashi K, et al. **Cell Mol Biol** 1984;30(4):357-63

Enzyme activities and hypothyroidism [letter] de Silva LV. **Clin Chem** 1984 Nov;30(11):1890-1

Elevated skeletal muscle sodium-potassium-ATPase in human obesity. Charalambous BM, et al. **Clin Chim Acta** 1984 Aug 31;141(2-3):189-95

Phosphatidic acid phosphatase activity in subcellular fractions of normal and dystrophic human muscle. Kunze D, et al. **Clin Chim Acta** 1985 Mar 15;146(2-3):167-74

Calcium-activated neutral protease from muscle and platelets of Duchenne muscular dystrophy cases. Rabbani N, et al. **Clin Chim Acta** 1984 Nov 15;143(2):163-8

Creatine kinase MB in skeletal muscle and serum of spine-fusion patients. Healey JH, et al. **Clin Orthop** 1985 May;(195):282-8

Decreased phosphofructokinase activity in skeletal muscle of diabetic rats. Bauer BA, et al. **Clin Physiol Biochem** 1984;2(4):137-45

Latency differences of lysosomal enzymes in cardiac and skeletal muscles of male and female mice. Salminen A, et al. **Comp Biochem Physiol [A]** 1985;81(4):929-33

Isolation and characterization of pig muscle aldolase. A comparative study. Abrahám M, et al. **Comp Biochem Physiol [B]** 1985;80(4):847-52

Activities of enzymes of ketone body metabolism in liver and muscle tissues of suckling rabbits. Beis A. **Comp Biochem Physiol [B]** 1985;81(1):245-9

Membrane proteinases from normal and neoplastic tissues in man and the rat. Fraser JD, et al. **Comp Biochem Physiol [B]** 1984;79(1):105-11

Comparison of muscle proteinase activity among fish species. Makinodan Y, et al. **Comp Biochem Physiol [B]** 1984;79(2):129-34

Identity of calcium-activated neutral proteases from rabbit cardiac and skeletal muscle. Ohsumi M, et al. **Comp Biochem Physiol [B]** 1984;79(4):643-6

Modification of glyceraldehyde-3-phosphate dehydrogenase, EC 1.2.1.12, isolated from rainbow trout during acclimation at 5 or 15 degrees C--II. Biochemical characterization of G3PDH muscle isolates. Phelan M, et al. **Comp Biochem Physiol [B]** 1984;79(2):139-46

Modification of glyceraldehyde-3-phosphate dehydrogenase, EC 1.2.1.12, isolated from rainbow trout during acclimation at 5 or 15 degrees C--I. Changes in the activity of individual muscle isolates as evidence for variable adaptive responses. Phelan M, et al. **Comp Biochem Physiol [B]** 1984;79(2):135-8

The purification and kinetic characterization of eel white muscle pyruvate kinase. Roberts B, et al. **Comp Biochem Physiol [B]** 1985;80(1):51-6

Enzymatic activities in slow and fast denervated old rat muscles. Simard C, et al. **Comp Biochem Physiol [B]** 1985;81(2):539-42

Purification and properties of carp (Cyprinus carpio) muscle calpain II (high-Ca2+-requiring form of calpain). Toyohara H, et al. **Comp Biochem Physiol [B]** 1985;81(3):573-8

Mutual inhibitory effect of calpastatins on calpains from carp muscle, carp erythrocytes and rat liver. Toyohara H, et al. **Comp Biochem Physiol [B]** 1985;81(3):579-81

Comparison of enzyme activities on glycogen metabolism in rabbit slow and fast muscles. Tsutou A, et al. **Comp Biochem Physiol [B]** 1985;81(3):641-5

Muscle D-glyceraldehyde-3-phosphate dehydrogenase from Caiman sp. II New data for enzyme characterization. Vieira MM, et al. **Comp Biochem Physiol [B]** 1984;79(3):427-33

Acid proteolytic activities in mouse liver and muscle tissues after treatment with protease inhibitor leupeptin. Salminen A, et al. **Comp Biochem Physiol [C]** 1984;79(1):93-5

Inactivation of rabbit liver and muscle aldolases by limited proteolysis by lysosomal cathepsin M. Horecker BL, et al. **Curr Top Cell Regul** 1985;25:77-89 (31 ref.)

Action of veratridine on acetylcholinesterase in cultures of rat muscle cells. De La Porte S, et al. **Dev Biol** 1984 Dec;106(2):450-6

Molecular forms of acetylcholinesterase in Xenopus muscle. Lappin RI, et al. **Dev Biol** 1985 Aug;110(2):269-74

Disease expression in +-/+- ---mdg/mdg mouse chimeras: evidence for an extramuscular component in the pathogenesis of both dysgenic abnormal diaphragm innervation and skeletal muscle 16 S acetylcholinesterase deficiency. Rieger F, et al. **Dev Biol** 1984 Dec;106(2):296-306

Golgi apparatus: distinct structure of acid phosphatase localization in regenerating human skeletal muscle fiber. Wakayama Y, et al. **Dev Neurosci** 1983-84;6(3):152-60

Non-response of muscle capillary density and lipoprotein-lipase activity to regular training in diabetic patients. Lithell H, et al. **Diabetes Res** 1985 Jan;2(1):17-21

Age dependent variations in cardiac and skeletal muscle during short and long term treadmill-running of mice. Steinhagen-Thiessen E, et al. **Eur Heart J** 1984 Nov;5 Suppl E:27-30

Prednisolone decreases exercise-induced acid hydrolase response in mouse skeletal muscle. Kihlström M, et al. **Eur J Applied Physiol** 1984;53(1):53-6

Temperature-induced conformational transition in rabbit muscle aldolase studied by temperature dependence of sulfhydryl reactivity. Heyduk T, et al. **Eur J Biochem** 1985 Sep 2;151(2):337-43

Multisite phosphorylation of glycogen synthase from rabbit skeletal muscle. Identification of the sites phosphorylated by casein kinase-I. Kuret J, et al. **Eur J Biochem** 1985 Aug 15;151(1):39-48

Purification and characterization of two Cl- -activated aminopeptidases hydrolysing basic termini from human skeletal muscle. Mantle D, et al. **Eur J Biochem** 1985 Mar 1;147(2):307-12

Interaction of calmodulin with muscle phosphofructokinase. Interplay with metabolic effectors of the enzyme under physiological conditions. Mayr GW. **Eur J Biochem** 1984 Sep 17;143(3):521-9

Interaction of calmodulin with muscle phosphofructokinase. Changes of the aggregation state, conformation and catalytic activity of the enzyme. Mayr GW. **Eur J Biochem** 1984 Sep 17;143(3):513-20

Affinity labeling of rabbit muscle fructose-1,6-bisphosphate aldolase with 5'-[p-(fluorosulfonyl)benzoyl]-1,N6-ethenoadenosine. Palczewski K, et al. **Eur J Biochem** 1985 Jan 15;146(2):309-14

The protein phosphatases involved in cellular regulation. Purification and characterisation of the glycogen-bound form of protein phosphatase-1 from rabbit skeletal muscle. Strålfors P, et al. **Eur J Biochem** 1985 Jun 3;149(2):295-303

The protein phosphatases involved in cellular regulation. Identification of the inhibitor-2 phosphatases in rabbit skeletal muscle. Tonks NK, et al. **Eur J Biochem** 1984 Nov 15;145(1):65-70

The protein phosphatases involved in cellular regulation. 2. Purification, subunit structure and properties of protein phosphatases-2A0, 2A1, and 2A2 from rabbit skeletal muscle. Tung HY, et al. **Eur J Biochem** 1985 Apr 15;148(2):253-63

The protein phosphatases involved in cellular regulation. Influence of polyamines on the activities of protein phosphatase-1 and protein phosphatase-2A. Tung HY, et al. **Eur J Biochem** 1985 Jun 3;149(2):305-13

The protein phosphatases involved in cellular regulation. Comparison of native and reconstituted Mg-ATP-dependent protein phosphatases from rabbit skeletal muscle. Tung HY, et al. **Eur J Biochem** 1984 Nov 15;145(1):57-64

Regulatory properties of a mutant carnitine palmitoyltransferase in human skeletal muscle. Zierz S, et al. **Eur J Biochem** 1985 May 15;149(1):207-14

2,4-Dichlorophenoxyacetic acid (2,4-D) reduces acetylcholinesterase activity in rat muscle. Bernard PA, et al. **Exp Neurol** 1985 Mar;87(3):544-56

Biochemical and histochemical studies on alkaline phosphatase in normal and dystrophic muscle. Kirkeby S, et al. **Exp Pathol** 1985;27(3):131-6

Novel heparin-activated protein kinase activity in rabbit skeletal muscle. Ahmad Z, et al. **FEBS Lett** 1985 Jan 1;179(1):96-100

Biochemical characterization of plasma membrane isolated from human skeletal muscle. Desnuelle C, et al. **FEBS Lett** 1985 Sep 2;188(2):222-6

Glycogen synthase in rat adipocytes and skeletal muscle is phosphorylated on both serine and threonine. Hiken JF, et al. **FEBS Lett** 1984 Sep 17;175(1):55-8

Isolation of two forms of the high-molecular-mass serine protease, ingensin, from porcine skeletal muscle. Ishiura S, et al. **FEBS Lett** 1985 Sep 9;189(1):119-23

Insulin receptor kinase in human skeletal muscle. Obermaier B, et al. **FEBS Lett** 1985 Jul 1;186(1):85-8

Differential binding of rabbit fast muscle myosin light chain isoenzymes to regulated actin. Trayer HR, et al. **FEBS Lett** 1985 Jan 28;180(2):170-3

Histochemical localization of dipeptidyl peptidase IV in muscle spindles of the rat. II. Electron microscopy. Dubový P, et al. **Histochem J** 1985 May;17(5):582-4

The localization of hexokinase isoenzymes in red and white skeletal muscles of the rat. Lawrence GM, et al. **Histochem J** 1985 Mar;17(3):353-71

Fibre-type specificity and effect of thyroid hormone on glucose 6-phosphate dehydrogenase activity in normal and denervated skeletal muscles of the rat. Max SR, et al. **Histochem J** 1985 Jun;17(6):699-706

Kinetic behaviour of succinate dehydrogenase of three fibre types in skeletal muscle. I. Effects of temperature and a competitive inhibitor. Nakae Y, et al. **Histochem J** 1984 Nov;16(11):1207-17

Histochemical localization of dipeptidyl peptidase IV in muscle spindles of the rat. I. Light microscopy. Soukup T, et al. **Histochem J** 1985 May;17(5):579-81

Decreased lysosomal protease content of skeletal muscles from streptozotocin-induced diabetic rats: a biochemical and histochemical study. Stauber WT, et al. **Histochem J** 1985 May;17(5):613-22

Immunolocalization of CuZn superoxide dismutase in striated muscle. Thaete LG, et al. **Histochem J** 1985 Feb;17(2):259-62

Relationship between myoglobin and succinate dehydrogenase in mouse soleus and plantaris muscle fibres. Van der Laarse WJ, et al. **Histochem J** 1985 Jan;17(1):1-11

Identification of fiber types in rat skeletal muscle based on the sensitivity of myofibrillar actomyosin ATPase to copper. Gollnick PD, et al. **Histochemistry** 1984;81(4):379-83

Comparison of fiber types in skeletal muscles from ten animal species based on sensitivity of the myofibrillar actomyosin ATPase to acid or copper. Matoba H, et al. **Histochemistry** 1985;82(2):175-83

Glycerolphosphate oxidase and succinate dehydrogenase activities in IIA and IIB fibres of mouse and rabbit tibialis anterior muscles. Reichmann H, et al. **Histochemistry** 1984;80(5):429-33

In vitro and in situ skeletal muscle pyruvate dehydrogenase activity in adrenalectomized and glucocorticoid treated rats. Förster ME, et al. **Horm Metab Res** 1984 Oct;16(10):529-31

Amelioration of streptozotocin-induced diabetes in the rat by exercise-training: role of muscle glycogenolytic and glycolytic enzyme activity. Narimiya M, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:67-70

Response of rat soleus muscle to tenotomy: a correlative histochemical and biochemical study. Talesara CL, et al. **Indian J Exp Biol** 1984 Sep;22(9):467-70

N-terminal sequence of creatine kinase from skeletal muscle of rabbit and rhesus monkey. Chegwidden WR, et al. **Int J Biochem** 1985;17(6):749-52

Anion activation of monkey muscle creatine kinase. Chegwidden WR, et al. **Int J Biochem** 1984;16(11):1171-4

Characterization of proline endopeptidase from skeletal muscle. Daly DJ, et al. **Int J Biochem** 1985;17(4):521-4

Ca2+-dependent stimulation of muscle and liver phosphorylase kinase by heparin. Erdödi F, et al. **Int J Biochem** 1984;16(12):1391-4

Content and synthesis of glycolytic enzymes in normal, denervated, and dystrophic skeletal muscle fibers. Lebherz HG. **Int J Biochem** 1984;16(12):1201-5 (35 ref.)

Lactate dehydrogenase associated with the mitochondrial fraction and with a mitochondrial inhibitor--I. Enzyme binding to the mitochondrial fraction. Lluis C. **Int J Biochem** 1984;16(9):997-1004

Bovine skeletal muscle adenosine deaminase. Purification and some properties. Martinez C, et al. **Int J Biochem** 1984; 16(12):1279-82

Fiber type distribution and maximal activities of enzymes involved in energy metabolism following short-term supramaximal exercise. Green HJ, et al. **Int J Sports Med** 1984 Aug;5(4):198-201

Biochemical purification of monkey and human LDH isoenzyme 5 suitable as immunization antigen. Paoli C, et al. **Ital J Biochem** 1985 Jan-Feb;34(1):11-8

Creatine kinase-MB isoenzyme adaptations in stressed human skeletal muscle of marathon runners. Apple FS, et al. **J Appl Physiol** 1985 Jul;59(1):149-53

Extracellular carbonic anhydrase of skeletal muscle associated with the sarcolemma. Geers C, et al. **J Appl Physiol** 1985 Aug;59(2):548-58

Dynamic exercise training in foxhounds. II. Analysis of skeletal muscle. Parsons D, et al. **J Appl Physiol** 1985 Jul; 59(1):190-7

Amino acid sequence of acylphosphatase from rabbit skeletal muscle. Kizaki T, et al. **J Biochem (Tokyo)** 1985 Apr; 97(4):1155-61

Increases in cathepsins B and L and thiol proteinase inhibitor in muscle of dystrophic hamsters. Their localization in invading phagocytes. Kominami E, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1841-8

Kinetic studies on the substrate specificity and active site of rabbit muscle acid alpha-glucosidase. Matsui H, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):993-1004

Amino acid sequence of acylphosphatase from porcine skeletal muscle. Mizuno Y, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1135-42

Crystallization and properties of acylphosphatase from porcine skeletal muscle. Mizuno Y, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):313-20

Changes in Ca2+ affinity related to conformational transitions in the phosphorylated state of soluble monomeric Ca2+-ATPase from sarcoplasmic reticulum. Andersen JP, et al. **J Biol Chem** 1985 Jan 10;260(1):371-80

Isolation and sequence analysis of cDNA clones coding for rat skeletal muscle creatine kinase. Benfield PA, et al. **J Biol Chem** 1984 Dec 10;259(23):14979-84

Modulation of muscle phosphofructokinase at physiological concentration of enzyme. Boscá L, et al. **J Biol Chem** 1985 Feb 25;260(4):2100-7

Size of the plasma membrane H+-ATPase from Neurospora crassa determined by radiation inactivation and comparison with the sarcoplasmic reticulum Ca2+-ATPase from skeletal muscle. Bowman BJ, et al. **J Biol Chem** 1985 Jul 25;260(15):8726-30

Interaction of glyceraldehyde-3-phosphate dehydrogenase with isolated microsomal subfractions of skeletal muscle. Caswell AH, et al. **J Biol Chem** 1985 Jun 10;260(11):6892-8

Adenosine 5'-diphosphate as an allosteric effector of phosphorylase kinase from rabbit skeletal muscle. Cheng A, et al. **J Biol Chem** 1985 Feb 25;260(4):2535-42

Inactivation of muscle adenylate kinase by site-specific destruction of tyrosine 95 using potassium ferrate. Crivellone MD, et al. **J Biol Chem** 1985 Mar 10; 260(5):2657-61

Characterization of the calmodulin-binding and catalytic domains in skeletal muscle myosin light chain kinase. Edelman AM, et al. **J Biol Chem** 1985 Sep 15; 260(20):11275-85

Dephosphorylation of myosin by the catalytic subunit of a type-2 phosphatase produces relaxation of chemically skinned uterine smooth muscle. Haeberle JR, et al. **J Biol Chem** 1985 Aug 25;260(18):9965-8

Monoclonal antibodies to rabbit skeletal muscle phosphorylase kinase. Probes for studies of subunit function. Hessová Z, et al. **J Biol Chem** 1985 Aug 25; 260(18):10111-7

Oxygen exchange between phosphate and water accompanies calcium-regulated ATPase activity of skinned fibers from rabbit skeletal muscle. Hibberd MG, et al. **J Biol Chem** 1985 Mar 25;260(6):3496-500

Myosin heavy chain in avian muscular dystrophy corresponds to the neonatal isozyme. Huszar G, et al. **J Biol Chem** 1985 Aug 25;260(18):9957-60

Inhibition of the hydration of CO2 catalyzed by carbonic anhydrase III from cat muscle. Kararli T, et al. **J Biol Chem** 1985 Mar 25;260(6):3484-9

Labeling of a thiol residue in sarcoplasmic reticulum ATPase by pyrene maleimide. Solvent accessibility studied by fluorescence quenching. Kurtenbach E, et al. **J Biol Chem** 1985 Aug 15;260(17):9636-41

Phosphotyrosyl-specific protein phosphatase activity of a bovine skeletal acid phosphatase isoenzyme. Comparison with the phosphotyrosyl protein phosphatase activity of skeletal alkaline phosphatase. Lau KH, et al. **J Biol Chem** 1985 Apr 25;260(8):4653-60

Characterization of chicken skeletal muscle myosin light chain kinase. Evidence for muscle-specific isozymes. Nunnally MH, et al. **J Biol Chem** 1985 Jan 25;260(2):1020-6

Complete cDNA-derived amino acid sequence of chick muscle creatine kinase. Ordahl CP, et al. **J Biol Chem** 1984 Dec 25;259(24):15224-7

Rabbit muscle creatine phosphokinase. CDNA cloning, primary structure and detection of human homologues. Putney S, et al. **J Biol Chem** 1984 Dec 10;259(23):14317-20

The ATPase mechanism of skeletal and smooth muscle acto-subfragment 1. Rosenfeld SS, et al. **J Biol Chem** 1984 Oct 10;259(19):11908-19

Effects of the specific cAMP antagonist, (Rp)-adenosine cyclic 3',5'-phosphorothioate, on the cAMP-dependent protein kinase-induced activity of hepatic glycogen phosphorylase and glycogen synthase. Rothermel JD, et al. **J Biol Chem** 1984 Dec 25;259(24):15294-300

Phosphorylation of sites 3 and 4 in rabbit skeletal muscle glycogen synthase by cAMP-dependent protein kinase. Sheorain VS, et al. **J Biol Chem** 1985 Feb 10;260(3):1567-72

Comparison of the phosphorylation of rabbit skeletal muscle phosphorylase kinase by cAMP-dependent protein kinase and cAMP-independent glycogen synthase (casein) kinase-1. Singh TJ, et al. **J Biol Chem** 1984 Oct 25; 259(20):12857-64

Activation of muscle phosphofructokinase by fructose 2,6-bisphosphate and fructose 1,6-bisphosphate is differently affected by other regulatory metabolites. Tornheim K. **J Biol Chem** 1985 Jul 5;260(13):7985-9

Kinase FA-mediated regulation of rabbit skeletal muscle protein phosphatase. Reversible phosphorylation of the modulator subunit. Vandenheede JR, et al. **J Biol Chem** 1985 Sep 5;260(19):10512-6

The sequence of equine muscle carbonic anhydrase. Wendorff KM, et al. **J Biol Chem** 1985 May 25; 260(10):6129-32

Hereditary pituitary dwarfism in mice affects skeletal and cardiac myosin isozyme transitions differently. Whalen RG, et al. **J Cell Biol** 1985 Aug;101(2):603-9

Subpopulations of fibroblasts from mouse skeletal muscle defined by clonal variation for 5' nucleotidase expression. Turker MS, et al. **J Cell Physiol** 1985 Feb;122(2):171-7

Influence of osmolytes, thin filaments, and solubility state on elasmobranch phosphofructokinase in vitro. Hand SC, et al. **J Exp Zool** 1984 Aug;231(2):297-302

Superoxide dismutase and catalase in skeletal muscle: adaptive response to exercise. Higuchi M, et al. **J Gerontol** 1985 May;40(3):281-6

A fast screening method for histochemical localization of carbonic anhydrase. Application to kidney, skeletal muscle, and thrombocytes. Dermietzel R, et al. **J Histochem Cytochem** 1985 Feb;33(2):93-8

Localization of human muscle carbonic anhydrase isozymes using immunofluorescence. Moyle S, et al. **J Histochem Cytochem** 1984 Dec;32(12):1262-4

Kinetic properties of erythrocyte phosphofructokinase in patients with type VII glycogenosis from two families--close similarity to liver type phosphofructokinase. Shimizu T, et al. **J Inherited Metab Dis** 1984;7(3):107-11

In vitro activation of the pyruvate dehydrogenase complex in human muscle by a broad specificity protein phosphatase. Toshima K, et al. **J Inherited Metab Dis** 1984;7(3):143-4

Dual effect of filamin on actomyosin ATPase activity. Dabrowska R, et al. **J Muscle Res Cell Motil** 1985 Feb; 6(1):29-42

Plasma phosphoglycerate mutase as a marker of muscular dystrophy. Chown PJ, et al. **J Neurol Sci** 1984 Aug; 65(2):201-10

Male and female differences in enzyme activities of energy metabolism in vastus lateralis muscle. Green HJ, et al. **J Neurol Sci** 1984 Sep;65(3):323-31

Demonstration of acid alpha-glucosidase in different types of Pompe disease by use of an immunochemical method. Ninomiya N, et al. **J Neurol Sci** 1984 Nov-Dec; 66(2-3):129-39

Stimulation of denervated rat soleus muscle with fast and slow activity patterns induces different expression of acetylcholinesterase molecular forms. Lømo T, et al. **J Neurosci** 1985 May;5(5):1180-7

Calcium-activated neutral protease in the peripheral nerve, which requires microM order Ca2+, and its effect on the neurofilament triplet. Kamakura K, et al. **J Neurosci Res** 1985;13(3):391-403

Asymmetric molecular forms of acetylcholinesterase in mammalian skeletal muscles. Sketelj J, et al. **J Neurosci Res** 1985;14(1):95-103

Biochemistry of rat single muscle fibres in newly assembled motor units following nerve crush. Nemeth PM, et al. **J Physiol (Lond)** 1984 Oct;355:547-55

Creatine kinase and lactate dehydrogenase in the muscles encountered during median sternotomy and in the myocardium of the cardiac chambers. Graeber GM, et al. **J Thorac Cardiovasc Surg** 1985 May;89(5):700-5

Enzyme activities in plasma, kidney, liver, and muscle of five avian species. Franson JC, et al. **J Wildl Dis** 1985 Jan; 21(1):33-9

Specificity of neuropeptide degradation by two calcium-activated neutral proteases from human skeletal muscle. McDermott JR, et al. **Life Sci** 1985 Aug 26; 37(8):725-30

Age-related changes in the redox status of rat muscle cells and their role in enzyme-aging. Noy N, et al. **Mech Ageing Dev** 1985 Jan;29(1):63-9

On the ontogeny of aldolase isozymes and their interactions with cellular structure. Reid S, et al. **Mech Ageing Dev** 1985 May 31;30(3):299-317

Regulation of creatine kinase induction in differentiating mouse myoblasts. Chamberlain JS, et al. **Mol Cell Biol** 1985 Mar;5(3):484-92

tk Enzyme expression in differentiating muscle cells is regulated through an internal segment of the cellular tk gene. Merrill GF, et al. **Mol Cell Biol** 1984 Sep;4(9):1777-84

Androgen-estrogen synergy in rat levator ani muscle: glucose-6-phosphate dehydrogenase. Max SR. **Mol Cell Endocrinol** 1984 Dec;38(2-3):103-7

Insulin receptor tyrosine kinase is defective in skeletal muscle of insulin-resistant obese mice. Le Marchand-Brustel Y, et al. **Nature** 1985 Jun 20-26;315(6021):676-9

Fatal infantile cytochrome c oxidase deficiency: decrease of immunologically detectable enzyme in muscle. Bresolin N, et al. **Neurology** 1985 Jun;35(6):802-12

Metabolic basis of improved exercise tolerance: muscle phosphorylase deficiency after glucagon administration. Kono N, et al. **Neurology** 1984 Nov;34(11):1471-6

Some histochemical observations on invasive cells in a myopathy induced in rats with 5-hydroxytryptamine. Christie KN, et al. **Neuropathol Appl Neurobiol** 1984 Nov-Dec;10(6):447-60

Thermodynamic analysis of muscle ATPase mechanisms. Kodama T. **Physiol Rev** 1985 Apr;65(2):467-551 (323 ref.)

Complete nucleotide sequence of Torpedo marmorata mRNA coding for the 43,000-dalton nu 2 protein: muscle-specific creatine kinase. Giraudat J, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7313-7

Pyridoxal phosphate as a probe for the degradation products of skeletal muscle glycogen phosphorylase. Butler PE, et al. **Prog Clin Biol Res** 1985;180:499-501

High molecular mass cysteine proteinases from rat skeletal muscle tissue. Dahlmann B, et al. **Prog Clin Biol Res** 1985; 180:221-3

A high-molecular weight peptide hydrolase from rat skeletal muscle. Edmunds T, et al. **Prog Clin Biol Res** 1985; 180:235-7

Some properties of the Ca2+-dependent proteinase. Goll DE, et al. **Prog Clin Biol Res** 1985;180:151-64

Serine proteinases and protein breakdown in muscle. Kay J, et al. **Prog Clin Biol Res** 1985;180:195-205

Proteinase activities in normal and dystrophic chicken myoblasts in culture. Sohar I, et al. **Prog Clin Biol Res** 1985;180:629-31

Monoclonal antibodies to the Ca2++Mg2+-dependent ATPase of skeletal muscle sarcoplasmic reticulum--cross-reactivity with ATPase isozymes and other Ca2+-binding proteins. Zubrzycka-Gaarn E, et al. **Prog Clin Biol Res** 1984;168:19-23

Developmental and regulatory aspects of the sodium- and potassium-ion-stimulated ATPase in avian nerve and muscle. Fambrough DM, et al. **Soc Gen Physiol Ser** 1985; 39:265-82

Ligand effects on actin activated ATPase of cardiac and skeletal muscle myosin: the functional role of the light chain isozymes of subfragment-1. Balish MS, et al. **Trans Assoc Am Physicians** 1984;97:95-103

[Homo- and contralateral changes in muscle cholinergic enzymes following immobilization in the rabbit] Massazza U, et al. **Bull Assoc Anat (Nancy)** 1984 Mar;68(200):53-8 (Eng. Abstr.) **(Fre)**

[A direct method using lead salts for the histochemical demonstration of myosin adenosine triphosphatase at optimal pH] Dikov A, et al. **Acta Histochem (Jena)** 1984; 75(1):85-90 (Eng. Abstr.) **(Ger)**

[Activity of gluconeogenetic enzymes in swine myocardium and skeletal muscles] Grün E, et al. **Biomed Biochim Acta** 1984;43(10):1091-100 (Eng. Abstr.) **(Ger)**

[Lipoamide dehydrogenase, citrate synthase and beta-hydroxyacyl-CoA-dehydrogenase of skeletal muscle. V. Effect of storage of muscles from sheep, game and poultry at +2 degrees C on activity and subcellular distribution] Gottesmann P, et al. **Z Lebensm Unters Forsch** 1984 Oct;179(4):301-4 (Eng. Abstr.) **(Ger)**

[Lipoamide dehydrogenase, citrate synthase and beta-hydroxyacyl-CoA-dehydrogenase in skeletal muscles. IV. The effect of storage of bovine and swine muscles at 2 degrees C on their activity and subcellular distribution] Hamm R, et al. **Z Lebensm Unters Forsch** 1984 Sep;179(3):205-9 (Eng. Abstr.) **(Ger)**

[The behavior of various muscle enzymes in hypothyroidism] Labriola E, et al. **Minerva Med** 1985 Sep 15; 76(34-35):1553-5 (Eng. Abstr.) **(Ita)**

[Age and changes in succinate dehydrogenase activity in functionally different muscles of the young rat]

Rekhacheva IP, et al. **Arkh Anat Gistol Embriol** 1984 Jul; 87(7):79–82 (Eng. Abstr.) **(Rus)**

[A model of the allosteric behavior of phosphofructokinase from rabbit muscles determined by the action of adenine nucleotides] Cherepanov DA, et al. **Biokhimiia** 1985 Jun; 50(6):1039–51 (Eng. Abstr.) **(Rus)**

[Several peculiarities of the purine-base fixation of the substrate in the active sites of myosin Ca2+-ATPase] Grishin MN, et al. **Biokhimiia** 1984 Nov;49(11):1785–91 (Eng. Abstr.) **(Rus)**

[cAMP-dependent protein kinase from pigeon breast muscle. Isolation of regulatory subunits by affinity chromatography and study of the topography of the cAMP binding site using cAMP analogs] Grivennikov IA, et al. **Biokhimiia** 1984 Sep;49(9):1395–406 (Eng. Abstr.) **(Rus)**

[Detection of complexes in the rat liver which contain lactate dehydrogenase, using centrifugation in a medium with a dissolved enzyme] Kliachko OS, et al. **Biokhimiia** 1984 Oct; 49(10):1661–5 (Eng. Abstr.) **(Rus)**

[Formation of the glycogen synthase I-glycogen complex] Krivokobyl'skaia IaI, et al. **Biokhimiia** 1984 Nov; 49(11):1819–27 (Eng. Abstr.) **(Rus)**

[Kinetic mechanism of phosphotransferase reactions catalyzed by cAMP-dependent protein kinase type I and type II from rabbit skeletal muscle] Petukhov SP, et al. **Biokhimiia** 1984 Aug;49(8):1367–74 (Eng. Abstr.) **(Rus)**

[Mechanism of the reaction catalyzed by glycogen synthetase I in rabbit skeletal muscle] Solov'eva GA, et al. **Biokhimiia** 1985 Feb;50(2):211–8 (Eng. Abstr.) **(Rus)**

[Interaction of muscle glycogen phosphorylase B with flavin-adenine dinucleotide and its analogs] Klinov SV, et al. **Bioorg Khim** 1985 Feb;11(2):196–204 (Eng. Abstr.) **(Rus)**

[Interaction of muscle glycogen phosphorylase B with flavin mononucleotide and its analogs] Klinov SV, et al. **Bioorg Khim** 1984 Sep;10(9):1161–70 (Eng. Abstr.) **(Rus)**

[Affinity modification of creatine kinase from rabbit skeletal muscle by 2',3'-dialdehyde derivatives of ADP and ATP] Nevinskiĭ GA, et al. **Bioorg Khim** 1983 Apr;9(4):487–95 (Eng. Abstr.) **(Rus)**

[Affinity modification of creatine kinase from the rabbit skeletal muscle by gamma-amide of ATP—a nitrogen mustard derivative] Novinskiĭ GA, et al. **Bioorg Khim** 1984 May;10(5):656–65 (Eng. Abstr.) **(Rus)**

[Quantitative histoenzymological characteristics of changes in the red and white fibers of skeletal muscle tissue of the extremities in temporary ischemia and postischemic recirculation] Bogdanov OA, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):530–2 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on the oxidation of substrates in the Krebs cycle] Korkach VI, et al. **Fiziol Zh** 1985 May–Jun;31(3):306–12 (Eng. Abstr.) **(Rus)**

[Spectral characteristics of muscle aspartyl- and valyl-tRNA- synthetases in normal animals and in an experimental model of prolonged starvation] Glushak VN, et al. **Mol Biol (Mosk)** 1984 Sep–Oct;18(5):1330–5 (Eng. Abstr.) **(Rus)**

[Isolation and purification of aspartyl- and valyl-tRNA-synthetases from muscles of normal and long-fasting rabbits. Structural characteristics and various kinetic parameters] Veselovskaia LD, et al. **Mol Biol (Mosk)** 1984 Sep–Oct;18(5):1369–75 (Eng. Abstr.) **(Rus)**

[Changes in hexokinase activity during muscle alteration] Stabrovskaia VI, et al. **Tsitologiia** 1984 Oct;26(10):1145–50 (Eng. Abstr.) **(Rus)**

[Effect of NADH on the catalytic function and reactivity of thiols from rabbit muscle aldolase] Chumachenko IuV, et al. **Ukr Biokhim Zh** 1985 Jul–Aug;57(4):33–8 (Eng. Abstr.) **(Rus)**

[Spectral characteristics of muscle aspartyl- and valyl-tRNA- synthetases and their complexes with substrates in normal conditions and after prolonged starvation] Glushak VN, et al. **Ukr Biokhim Zh** 1984 Sep–Oct;56(5):519–26 (Eng. Abstr.) **(Rus)**

[Properties of cathepsin D from unfertilized eggs, embryos and skeletal muscles of the loach] Gurskaia NI, et al. **Ukr Biokhim Zh** 1985 May–Jun;57(3):26–31 (Eng. Abstr.) **(Rus)**

[The effect of 3',5'-AMP-dependent protein kinase on the release of cathepsin B from lysosomes of rat skeletal muscles and heart under exertion] Kalinskiĭ MI. **Ukr Biokhim Zh** 1984 Jul–Aug;56(4):408–13 (Eng. Abstr.) **(Rus)**

[Changes in the creatine kinase activity in the rat heart and skeletal muscles during myorelaxation with tubocurarine, arduan and myorelaxin] Mozgovaia EN, et al. **Ukr Biokhim Zh** 1984 Sep–Oct;56(5):555–8 (Eng. Abstr.) **(Rus)**

[Effect of changes in atmospheric pressure on enzyme activity in the lymphocytes and organs of mice] Petrichuk SV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep–Oct;(5):62–5 **(Rus)**

[Mitochondrial monoamine oxidase in progressive Duchenne muscular dystrophy] Badalian LO, et al. **Vopr Med Khim** 1985 Jan–Feb;31(1):68–71 (Eng. Abstr.) **(Rus)**

[Changes in myosin ATPase activity in skeletal muscle in acute ischemia of the extremities] Mishnev OD, et al. **Vrach Delo** 1984 Aug;(8):29–32 **(Rus)**

GROWTH & DEVELOPMENT

Trophic influences on developing muscle. Hauschka S, et al. **Adv Exp Med Biol** 1985;182:113–22

Induction of incoordinate synthesis of muscle proteins by the tumor promoter TPA and the carcinogen EMS. Holtzer H, et al. **Adv Exp Med Biol** 1985;182:179–92

Influences of testosterone on contractile proteins of the guinea pig temporalis muscle. Kelly A, et al. **Adv Exp Med Biol** 1985;182:155–68

Myosin isozymes in developing chicken muscles. Lowey S. **Adv Exp Med Biol** 1985;182:269–80

Trophic and myogenic effects with special reference to transferrin. Ozawa E. **Adv Exp Med Biol** 1985;182:123–7

Control of myosin isozymes during myogenesis in the rat. Rubinstein NA, et al. **Adv Exp Med Biol** 1985;182:141–53

Ontologic perspective: terminal differentiation and maturation as differently regulated stages in muscle development. Strohman RC, et al. **Adv Exp Med Biol** 1985; 182:15–22

Changes in collagen synthesis and degradation during skeletal muscle growth. Laurent GJ, et al. **Am J Physiol** 1985 Sep; 249(3 Pt 1):C352–5

Myosin switches in skeletal muscle development of an urodelan amphibian, Pleurodeles waltlii. Comparison with a mammalian, Mus musculus. d'Albis A, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):94–100

Alterations in rat lactate dehydrogenase: age-related comparison of M- and H-LDH. Prabhakaram M, et al. **Biochem Int** 1984 Sep;9(3):399–404

The capacity of the sarcoplasmic reticulum for phospholipid synthesis: a developmental study. Cornell R, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):567–76

Characteristics of growth and protein synthesis in skeletal muscles of normal and dystrophic chickens. Kang CW, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):1–8

Tissue distribution, developmental profiles and effect of denervation of enolase isozymes in rat muscles. Kato K, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):50–8

Activity and synapse elimination at the neuromuscular junction. Thompson WJ. **Cell Mol Neurobiol** 1985 Jun; 5(1–2):167–82

Myogenesis. Shimada Y, et al. **Cell Struct Funct** 1984 Jul;9 Suppl:s111–5 (46 ref.)

Structure of tendon organs of the rat after neonatal de-efferentation. Soukup T, et al. **Cell Tissue Res** 1985; 241(1):229–36

Postnatal growth and differentiation in three hindlimb muscles of the rat. Characterization with biochemical and enzyme-histochemical methods. Zuurveld JG, et al. **Cell Tissue Res** 1985;241(1):183–92

Reconsideration of the indirect measurements of intracellular Na and K concentrations in the rat skeletal muscles. Nagaoka R, et al. **Comp Biochem Physiol [A]** 1984; 79(4):551–4

Activities of the enzymes of ketone body metabolism in the developing chick. Beis A. **Comp Biochem Physiol [B]** 1985; 81(3):671–5

Comparison of glycogen stores in 3- and 7-month-old lean and obese Zucker rats under fed and fasted conditions. Koubi H, et al. **Comp Biochem Physiol [B]** 1985; 81(1):103–10

Age-related effects on subunit interactions in rat muscle glyceraldehyde-3-phosphate dehydrogenase. Gafni A. **Curr Top Cell Regul** 1984;24:273–85

Specific innervation of muscle fiber types in a developmentally polyinnervated muscle. Gordon H, et al. **Dev Biol** 1985 Sep;111(1):42–50

Remodeling of the myoblast membrane accompanies development. Kaufman SJ, et al. **Dev Biol** 1985 Jul; 110(1):1–14

Specific regulation of N-CAM/D2-CAM cell adhesion molecule during skeletal muscle development. Moore SE, et al. **EMBO J** 1985 Mar;4(3):623–30

Size and strength of the quadriceps muscles of old and young women. Young A, et al. **Eur J Clin Invest** 1984 Aug; 14(4):282–7

Dynamics of physiological changes in bovine myofibers during growth and sexual development. Sink JD, et al. **Exp Cell Biol** 1985;53(3):170–9

Effects of inhibiting DNA synthesis with hydroxyurea on stretch-induced skeletal muscle growth. Fortado CM, et al. **Exp Neurol** 1985 Mar;87(3):487–94

Changes in membrane potential and potassium and sodium activities during postnatal development of mouse skeletal muscle. Ward KM, et al. **Exp Neurol** 1985 Sep;89(3):554–68

Membrane crystals of Ca2+-ATPase in sarcoplasmic reticulum of developing muscle. Dux L. **FEBS Lett** 1985 Apr 8;183(1):177–81

A developmentally regulated disappearance of slow myosin in fast-type muscles of the mouse. Whalen RG, et al. **FEBS Lett** 1984 Nov 5;177(1):51–6

Retarded decline in poly-ADPR content and poly-ADPR synthetase activity in chicken dystrophic muscle. Yoshikawa A, et al. **FEBS Lett** 1985 Jan 21;180(1):1–4

Postnatal growth of skeletal muscle fibres of the rat. Dall Pai V, et al. **Gegenbaurs Morphol Jahrb** 1984;130(6):827–34

Muscle development in thyroidectomised chickens (Gallus domesticus). Moore GE, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):195–9

Changes of the NADP-linked malic enzyme in the developing rat skeletal muscle. Zelewski M, et al. **Int J Biochem** 1985;17(3):387–92

Muscle growth and satellite cell proliferative activity in obese (OB/OB) mice. Purchas RW, et al. **J Anim Sci** 1985 Mar; 60(3):644–51

Atrophy and growth failure of rat hindlimb muscles in tail-cast suspension. Jaspers SR, et al. **J Appl Physiol** 1984 Nov;57(5):1472–9

Regulation of protein kinase and its regulatory subunits during skeletal myogenesis. Rogers JE, et al. **J Biol Chem** 1985 Jul 5;260(13):8002–7

The Na+/H+ antiport is activated by serum and phorbol esters in proliferating myoblasts but not in differentiated myotubes. Properties of the activation process. Vigne P, et al. **J Biol Chem** 1985 Jul 5;260(13):8008–13

14th annual UCLA symposia. March 9–April 4, 1985. Abstracts. **J Cell Biochem [Suppl]** 1985;9B:1–278

14th annual UCLA symposium. Abstracts: Molecular biology of muscle development. **J Cell Biochem [Suppl]** 1985; 9B:33–88

A cloning assay for 6-thioguanine resistance provides evidence against certain somatic mutational theories of aging. Horn PL, et al. **J Cell Physiol** 1984 Nov; 121(2):309–15

Immunocytochemical analysis of fibre type differentiation in developing skeletal muscle. Moore SE, et al. **J Neuroimmunol** 1984 Dec;7(2–3):137–49

Gating kinetics of nonjunctional acetylcholine receptor channels in developing Xenopus muscle. Kullberg R, et al. **J Neurosci** 1985 Apr;5(4):970–6

Developmental regulation of motor function: an uncharted sea. O'Donovan MJ. **Med Sci Sports Exerc** 1985 Feb; 17(1):35–43 (68 ref.)

The development of glio-interstitial tissue in Mytilus retractor muscle depends on Na+-Ca2+ antagonism. Julliard AK, et al. **Neuroscience** 1984 Dec;13(4):1387–96

Insulin-stimulated glucose uptake in rat diaphragm during postnatal development: lack of correlation with the number of insulin receptors and of intracellular glucose transporters. Wang C. **Proc Natl Acad Sci USA** 1985 Jun; 82(11):3621–5

The developmental regulation of TTX-sensitive sodium channels in rat skeletal muscle in vivo and in vitro. Sherman SJ, et al. **Soc Gen Physiol Ser** 1985;39:237–63 (43 ref.)

Possible migration of imaginal myoblasts from adjacent nerve sheath into the developing flight muscle of Chironomus. Lebart-Pedebas MC. **Tissue Cell** 1984;16(5):767–77

IMMUNOLOGY

Muscles of adult rats and mice express the Thy-1 glycoprotein on denervation. Booth CM, et al. **Brain Res** 1984 Aug 13;308(2):380–2

Antigenic differences among the voltage-sensitive sodium channels in the peripheral and central nervous systems and skeletal muscle. Wollner DA, et al. **Brain Res** 1985 Apr 1;331(1):145–9

Monoclonal IgM with anti-muscle tissue activity in a patient with Waldenström's macroglobulinaemia: secretion of identical immunoglobulin by the established lymphoid cell line. Micouin C, et al. **Clin Exp Immunol** 1984 Dec; 58(3):677–84

Expression of a developmentally regulated antigen on the surface of skeletal and cardiac muscle cells. Kaufman SJ, et al. **J Cell Biol** 1985 Jun;100(6):1977–87

Anti-troponin-T monoclonal antibody crossreacts with all muscle types. Lim SS, et al. **J Muscle Res Cell Motil** 1984 Oct;5(5):515–26

Muscle acetylcholine receptor loss in murine experimental autoimmune myasthenia gravis: correlated with cellular, humoral and clinical responses. Christadoss P, et al. **J Neuroimmunol** 1985 Apr;8(1):29–41

Skeletal muscle antibodies in patients with a thymic tumour but without myasthenia gravis. Gilhus NE, et al. **J Neuroimmunol** 1985 May;8(2–3):69–78

Rabbit antiserum to a citric acid extract of human skeletal muscle staining thymomas from myasthenia gravis patients. Gilhus NE, et al. **J Neuroimmunol** 1984 Nov;7(1):55–64

Antigenic specificity of acetylcholine receptor in developing muscle. Studies with monoclonal antibodies. Souroujon MC, et al. **J Neuroimmunol** 1985 May;8(2–3):159–66

Creatine kinase (CK)-linked IgA in Isaacs' syndrome. An immune complex disease? Nagashima T, et al. **J Neurol Sci** 1985 Mar;67(3):269–76

Characterization of a monoclonal antibody to myosin specific for mammalian and human type II muscle fibers. Sawchak JA, et al. **J Neurol Sci** 1985 Jul;69(3):247–54

A postnatal change in the immunological properties of the acetylcholine receptor at rat muscle endplates. Hall ZW, et al. **J Neurosci** 1985 Mar;5(3):730–4

Increased expression of HLA ABC class I antigens by muscle fibres in Duchenne muscular dystrophy, inflammatory myopathy, and other neuromuscular disorders. Appleyard ST, et al. **Lancet** 1985 Feb 16;1(8425):361–3

Histamine release by neurotensin in the rat hindquarter: structure-activity studies. Kerouac R, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):695–9

INJURIES

Covert muscle injury in aged patients admitted to hospital following falls. Mallinson WJ, et al. **Age Ageing** 1985 May; 14(3):174–8

Sonographic detection of rotator cuff tears. Middleton WD, et al. **AJR** 1985 Feb;144(2):349–53

Effects of the protease inhibitor leupeptin on proteolytic activities and regeneration of mouse skeletal muscles after exercise injuries. Salminen A. **Am J Pathol** 1984 Oct; 117(1):64–70

Skeletal muscle injury and repair in marathon runners after competition. Warhol MJ, et al. **Am J Pathol** 1985 Feb; 118(2):331–9

Acute anterolateral compartment syndrome secondary to rupture of the peroneus longus muscle. Arciero RA, et al. **Am J Sports Med** 1984 Sep–Oct;12(5):366–7

Muscle belly tear of the triceps. Aso K, et al. **Am J Sports Med** 1984 Nov–Dec;12(6):485–7

Correction of abduction. Deformity of the small finger caused by avulsion of the insertion of the third volar interosseous muscle. Freeland AE, et al. **Am J Sports Med** 1985 Jul–Aug;13(4):273–6

Musculotendinous leg injuries. Fuller PJ. **Aust Fam Physician** 1984 Jul;13(7):495–8

Hamstring muscle injuries. Oakes BW. **Aust Fam Physician** 1984 Aug;13(8):587–91

Collagen and glycosaminoglycan synthesis of injured gastrocnemius muscle in rat. Lehto M, et al. **Eur Surg Res** 1985;17(3):179–85

Latencies and phosphomannosyl–enzyme receptors of lysosomal enzymes during the appearance and repair of exercise injuries in mouse skeletal muscles. Salminen A. **Exp Mol Pathol** 1984 Dec;41(3):409–18

The susceptibility to exercise–induced muscle damage increases as rats grow larger. Kasperek GJ, et al. **Experientia** 1985 May 15;41(5):616–7

The aetiological relationship between congenital torticollis and obstetrical paralysis. Suzuki S, et al. **Int Orthop** 1984; 8(3):175–81

An avulsion fracture at the extensor digitorum brevis muscle origin. Kriza CG, et al. **J Foot Surg** 1985 Jan–Feb; 24(1):82–3

Recovery of skeletal muscle after laceration and repair. Garrett WE Jr, et al. **J Hand Surg [Am]** 1984 Sep; 9(5):683–92

Macrophage interaction with skeletal muscle: a potential role of macrophages in determining the energy state of healing wounds. Morris A, et al. **J Trauma** 1985 Aug;25(8):751–7

Current concepts in the diagnosis and treatment of musculotendinous injuries. Baker BE. **Med Sci Sports Exerc** 1984 Aug;16(4):323–7 (26 ref.)

A philosophy for the care of trauma patients with multiple musculoskeletal injuries. Dahners LE. **NC Med J** 1984 Nov;45(11):698–700

The relationship of heel contact in ascent and descent from jumps to the incidence of shin splints in ballet dancers. Gans A. **Phys Ther** 1985 Aug;65(8):1192–6

US evaluation of the rotator cuff. Mack LA, et al. **Radiology** 1985 Oct;157(1):205–9

Skeletal muscle injury––molecular changes in the collagen during healing. Lehto M, et al. **Res Exp Med (Berl)** 1985; 185(2):95–106

Gastrocnemius musculotendinous rupture: a condition confused with thrombophlebitis. McClure JG. **South Med J** 1984 Sep;77(9):1143–5

Hamstring injuries. Proposed aetiological factors, prevention, and treatment. Agre JC. **Sports Med** 1985 Jan–Feb; 2(1):21–33 (34 ref.)

[Treatment of ruptures of the short rotator cuff of the shoulder by simple reinsertion of the supraspinatus without translation. Results of 63 cases] Kénési C. **Chirurgie** 1984; 110(4):365–9 (Eng. Abstr.) **(Fre)**

[Muscular rupture of the extensor pollicis longus] Towfigh H. **Handchir Mikrochir Plast Chir** 1984 Dec;16(4):234–5 (Eng. Abstr.) **(Ger)**

[Rupture of the rotator cuff of the shoulder] Freising S. **Unfallheilkunde** 1984 Aug;87(8):317–25 (Eng. Abstr.) **(Ger)**

[Role of the popliteal muscle in postero–external injuries of the knee in athletes] Cormio C, et al. **Chir Organi Mov** 1982–83;68(4–6):595–602 (Eng. Abstr.) **(Ita)**

[Post–traumatic myositis ossificans] Dziak A. **Pol Tyg Lek** 1985 May 13;40(19):555–7 (Eng. Abstr.) **(Pol)**

[Formation of myoblasts after injuries to skeletal muscle tissue] Solov'vev VA. **Arkh Anat Gistol Embriol** 1985 May; 88(5):76–81 (Eng. Abstr.) **(Rus)**

[Morphological characteristics of skeletal muscle after damage by a laser scalpel] Solov'ev VA. **Arkh Patol** 1985; 47(1):24–9 (Eng. Abstr.) **(Rus)**

[Use of dimiphen blue to determine the viability of mechanically injured tissues] Kalnberz VK, et al. **Vestn Khir** 1985 Jan;134(1):99–100 (Eng. Abstr.) **(Rus)**

[Penetration of a foreign body into the deep layers of the neck through the pharynx] Iarlykov SA, et al. **Vestn Otorinolaringol** 1985 Jan–Feb;(1):72–3 **(Rus)**

[Injuries of the supraspinatus muscle within the structure of humeroscapular periarthroses and their surgical treatment] Abdrakhmanov AZh, et al. **Zh Nevropatol Psikhiatr** 1984; 84(8):1163–8 (Eng. Abstr.) **(Rus)**

[Femoral nerve paralysis after traumatic iliacus muscle rupture] Cedell CA, et al. **Lakartidningen** 1985 May 1; 82(18):1692 **(Swe)**

INNERVATION

The oculomotor nucleus, not the abducent, innervates the muscles which advance the nictitating membrane in birds. Bravo H, et al. **Acta Anat (Basel)** 1985;122(2):99–104

Innervation pattern of intrinsic laryngeal musculature of the rabbit. Cecio A, et al. **Acta Anat (Basel)** 1984;120(4):234–9

Number of potential reversals (turns) and amplitude of the pattern of electrical activity of the abductor pollicis brevis muscle in patients with neurogenic diseases. Bril V, et al. **Acta Neurol Scand** 1984 Sep;70(3):169–75

Effects of denervation, immobilization and cachexia on fibre size in the anterior tibial muscle of the rat. Lindboe CF, et al. **Acta Neuropathol (Berl)** 1985;66(1):42–51

Muscle fiber type differentiation and satellite cell populations in normally grown and neonatally denervated muscles in the rat. Okada S, et al. **Acta Neuropathol (Berl)** 1984; 65(2):90–8

Postural responses evoked by sinusoidal galvanic stimulation of the labyrinth. Influence of head position. Hlavacka F, et al. **Acta Otolaryngol (Stockh)** 1985 Jan–Feb; 99(1–2):107–12

Modulation of vestibulo–ocular reflex (VOR) by active stabilization of head to trunk. Leopold HC, et al. **Acta Otolaryngol (Stockh)** 1985 Jan–Feb;99(1–2):102–6

Role of the cervical and lumbar proprioceptors during stepping. An electromyographic study of the muscular activities of the lower limbs. Fukushima H, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;419:91–105

Skeletal muscle sympathetic activity at rest in trained and untrained subjects. Svedenhag J, et al. **Acta Physiol Scand** 1984 Apr;120(4):499–504

Alterations in phenotype expression of muscle by chronic nerve stimulation. Pette D, et al. **Adv Exp Med Biol** 1985; 182:169–77

Application of an ATNR rating scale to normal preschool children. Zemke R. **Am J Occup Ther** 1985 Mar; 39(3):178–80

Vagotonic effect of inversion therapy upon resting neuromuscular tension. deVries HA, et al. **Am J Phys Med** 1985 Jun;64(3):119–29

Short–latency tachycardia evoked by stimulation of muscle and cutaneous afferents. Gelsema AJ, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):R426–33

Innervation of the levator scapulae, the serratus anterior, and the rhomboideus in crab–eating macaques and its morphological significance. Kato K, et al. **Anat Anz** 1984; 157(1):43–55

Innervation of the anterior perineal muscles and its morphological consideration. Takahashi M, et al. **Anat Anz** 1985;158(1):65–78

Clinical aspects of muscle imbalance in the hand due to ulnar nerve lesions and a proposed thumb–index finger grip classification. de Abreu LB. **Anat Clin** 1984;6(3):177–82

Cytodifferentiation of the interstitial cells of Cajal related to the myenteric plexus of mouse intestinal muscle coat. An E.M. study from foetal to adult life. Faussone–Pellegrini MS. **Anat Embryol (Berl)** 1985;171(2):163–9

Afferent projections from forelimb muscles to the external and main cuneate nuclei in the cat. A study with transganglionic transport of horseradish peroxidase. Jasmin L, et al. **Anat Embryol (Berl)** 1985;171(3):275–84

Characteristic distribution of noradrenergic terminals on the anterior horn motoneurons innervating the perineal striated muscles in the rat. An immuno–electromicroscopic study. Kojima M, et al. **Anat Embryol (Berl)** 1985;171(3):267–73

The localization of motoneurons innervating the canine pharyngeal constrictor muscles in the posterior larynx by the fluorescent double–labeling technique. Hisa Y, et al. **Arch Otorhinolaryngol** 1984;241(1):83–7

Myofascial pain syndrome: electromyographic changes associated with local twitch response. Fricton JR, et al. **Arch Phys Med Rehabil** 1985 May;66(5):314–7

Accessory nerve latency to the middle and lower trapezius. Green RF, et al. **Arch Phys Med Rehabil** 1985 Jan; 66(1):23–4

Ulnar nerve conduction study of the first dorsal interosseous muscle. Olney RK, et al. **Arch Phys Med Rehabil** 1985 Jan;66(1):16–8

Discharge characteristics of motor units and the surface EMG during fatiguing isometric contractions at submaximal tensions. Petrofsky JS, et al. **Aviat Space Environ Med** 1985 Jun;56(6):581–6

Experimental foundations of EMG biofeedback with the upper extremity: a review of the literature. Ince LP, et al. **Biofeedback Self Regul** 1984 Sep;9(3):371–83

Abnormalities of the innervation of the urethral striated sphincter musculature in incontinence. Snooks SJ, et al. **Br J Urol** 1984 Aug;56(4):401–5

Cerebral somatosensory potentials evoked by muscle stretch, cutaneous taps and electrical stimulation of peripheral nerves in the lower limbs in man. Cohen LG, et al. **Brain** 1985 Mar;108 (Pt 1):103–21

Partial inhibitory seizures: a report on two cases. Wang PJ, et al. **Brain Dev** 1984;6(6):553–9

Discharge properties of area 5 neurones during arm movements triggered by sensory stimuli in the monkey. Chapman CE, et al. **Brain Res** 1984 Aug 20;309(1):63–77

Postnatal changes in the termination pattern of recurrent axon collaterals of triceps surae alpha–motoneurons in the cat. Cullheim S, et al. **Brain Res** 1985 Jan;349(1–2):63–73

Innervation pattern of muscles of one–legged Xenopus laevis supplied by motoneurons from both sides of the spinal cord. Denton CJ, et al. **Brain Res** 1985 Jan;349(1–2):85–94

Somatotopic relations between spinal motoneurones and muscle fibres of the cat's musculus peroneus longus. Donselaar Y, et al. **Brain Res** 1985 May 27;335(1):81–8

Some effects of sympathetic stimulation and isoprenaline on fatigued tetanic contractions of skeletal muscle in the cat. Jami L, et al. **Brain Res** 1984 Nov 12;321(2):386–9

Comparison of group I non–reciprocal inhibition of individual motoneurones of a homogeneous population. Jankowska E, et al. **Brain Res** 1985 Mar 11;329(1–2):379–83

Neuronal and muscle unit properties at different rostro–caudal levels of cat's motoneurone pool. Kernell D, et al. **Brain Res** 1985 May 27;335(1):71–9

Behavior of the stretch reflex in a multi–jointed limb. Lacquaniti F, et al. **Brain Res** 1984 Oct 8;311(1):161–6

Specificity of innervation among Xenopus twitch muscle fibers. Nudell B, et al. **Brain Res** 1985 Mar 25;330(2):353–7

Crossing dendrites may be a substrate for synchronized activation of penile motoneurons. Rose RD, et al. **Brain Res** 1985 Jul 1;337(2):373–7

Activation of lumbar spinoreticular neurons by stimulation of muscle, cutaneous and sympathetic afferents. Thies R. **Brain Res** 1985 Apr 29;333(1):151–5

Distribution of motor nerve sproutings in the mouse gastrocnemius muscle after partial denervation. Torigoe K. **Brain Res** 1985 Mar 25;330(2):273–82

Distribution of motoneurons in the brain stem of monkeys, innervating the larynx. Yoshida Y, et al. **Brain Res Bull** 1984 Sep;13(3):413–9

The function of motor nerves innervating slow tonic skeletal muscle in hens with delayed neuropathy induced by tri–o–tolyl phosphate. Durham HD, et al. **Can J Physiol Pharmacol** 1984 Oct;62(10):1268–73

Effects of static and rhythmic twitch contractions on the discharge of group III and IV muscle afferents. Kaufman MP, et al. **Cardiovasc Res** 1984 Nov;18(11):663–8

Restoration of fast muscle characteristics following cessation of chronic stimulation. The ultrastructure of slow–to–fast transformation. Eisenberg BR, et al. **Cell Tissue Res** 1984; 238(2):221–30

Microneurographic studies of the mechanisms of sympathetic nerve responses to static exercise in humans. Mark AL, et al. **Circ Res** 1985 Sep;57(3):461–9

The preservation of shoulder function after radical neck dissection. Jones TA, et al. **Clin Otolaryngol** 1985 Apr; 10(2):89–92

Terrapin muscle afferents studied by cord dorsum potential analyses. Feenstra BW, et al. **Comp Biochem Physiol [A]** 1985;81(3):659–67

Mathematical modeling and simulation of the postural control loop––Part II. Agarwal GC, et al. **Crit Rev Biomed Eng** 1984;11(2):113–54 (374 ref.)

Rescue of blocked cells by reinnervation in denervated forelimb stumps of larval Ambystoma. Olsen CL, et al. **Dev Biol** 1984 Dec;106(2):399–405

Conduction study in human muscle fibers in situ––a useful technique for diagnosing myopathies. Chino N, et al. **Electroencephalogr Clin Neurophysiol** 1984 Dec;58(6):513–6

Nervous propagation along 'central' motor pathways in intact man: characteristics of motor responses to 'bifocal' and 'unifocal' spine and scalp non–invasive stimulation. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1985 Oct; 61(4):272–86

Feasibility of single motor unit control in the m. abductor pollicis brevis and its relation to concentration ability and thumb tapping ability. Beckers WM, et al. **Electromyogr Clin Neurophysiol** 1984 Nov–Dec;24(7):591–7

Electrophysiological studies in myotonic dystrophy. 2: Single fibre E.M.G. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1984 Nov–Dec; 24(7):537–46

The boundary conditions for measurement of the conduction velocity of muscle fibres with surface EMG. Sollie G, et al. **Electromyogr Clin Neurophysiol** 1985 Jan–Feb; 25(1):45–56

The measurement of the conduction velocity of muscle fibres with surface EMG according to the cross–correlation method. Sollie G, et al. **Electromyogr Clin Neurophysiol** 1985 May–Jun;25(4):193–204

Mathematical analysis of the changes in the action potential and ionic currents of frog muscle fibres at different temperatures. Stephanova DI. **Electromyogr Clin Neurophysiol** 1984 Nov–Dec; 24(7):599–610

Neuromuscular, anaerobic, and aerobic performance characteristics of elite power athletes. Häkkinen K, et al. **Eur J Applied Physiol** 1984;53(2):97–105

Integration in descending motor pathways controlling the forelimb in the cat. 10. Inhibitory pathways to forelimb motoneurones via C3–C4 propriospinal neurones. Alstermark B, et al. **Exp Brain Res** 1984;56(2):279–92

Rapid goal–directed elbow flexion movements: limitations of the speed control system due to neural constraints. Benecke R, et al. **Exp Brain Res** 1985;59(3):470–7

Reciprocal Ia inhibition from the peroneal nerve to soleus motoneurones with special reference to the size of the test reflex. Crone C, et al. **Exp Brain Res** 1985;59(2):418–22

Responses of cat vestibular neurons to stimulation of the frontal cortex. Fukushima K, et al. **Exp Brain Res** 1984; 56(2):275–8

Interstitial–vestibular interaction in the control of head posture. Fukushima K, et al. **Exp Brain Res** 1985; 57(2):264–70

Reflex actions of muscle afferents on fusimotor innervation in decerebrated cats: an assessment of beta contributions. Grill SE, et al. **Exp Brain Res** 1985;59(2):282–95

Synaptic connections from large muscle afferents to the motoneurons of various leg muscles in man. Mao CC, et al. **Exp Brain Res** 1984;56(2):341–50

From activity to rest: gating of excitatory autogenetic afferences from the relaxing muscle in man. Schieppati M, et al. **Exp Brain Res** 1984;56(3):448–57

Spatial distributions of phrenic and medial gastrocnemius motoneurons in the cat spinal cord. Berger AJ, et al. **Exp Neurol** 1984 Dec;86(3):559–75

Spinal control of pelvic floor muscles. Dubrovsky B, et al. **Exp Neurol** 1985 May;88(2):277–87

Can Ib axons be selectively activated by electrical stimuli in human subjects? Heckman CJ, et al. **Exp Neurol** 1984 Dec;86(3):576–82

Axon growth in tendon organs of botulinum-paralyzed neonatal mouse muscles. Hopkins WG. **Exp Neurol** 1984 Nov;86(2):405–9

Somatotopic relations between the motor nucleus and its innervated muscle fibers in the cat tibialis anterior. Iliya AR, et al. **Exp Neurol** 1984 Nov;86(2):272–92

Influence of trophic substances in the regulation of resting membrane potential and ionic concentration in skeletal muscle. Kotsias BA, et al. **Exp Neurol** 1985 Apr;88(1):56–67

Is fast fiber innervation responsible for increased acetylcholinesterase activity in reinnervating soleus muscles? Misulis KE, et al. **Exp Neurol** 1985 Jul; 89(1):204–12

Changes of myosin and its ATPase in 'neuronally' and 'mechanically' contralateral muscles after cross-reinnervation in normal and capsaicin-treated rats. Müntener M, et al. **Exp Neurol** 1984 Oct;86(1):134–46

Electromyographic evaluation of a novel surgical preparation to enhance nerve-muscle specificity that follows mammalian peripheral nerve trunk transection. Politis MJ, et al. **Exp Neurol** 1985 Feb;87(2):326–33

Are cat lingual muscles dually innervated by the hypoglossal nerve and facial nerve? Satomi H, et al. **Exp Neurol** 1985 Mar;87(3):578–82

Reinnervation of normal and dystrophic skeletal muscle. Yeagle SP, et al. **Exp Neurol** 1984 Oct;86(1):1–17

Electromyographic responses elicited by cutaneous and mixed nerve stimulation in human tibialis anterior muscle. Tarkka IM, et al. **Experientia** 1985 Aug 15;41(8):1037–8

Anorectal incontinence and rectal prolapse: differential assessment of the innervation to puborectalis and external anal sphincter muscles. Snooks SJ, et al. **Gut** 1985 May; 26(5):470–6

The position of innervation zones in the biceps brachii investigated by surface electromyography. Masuda T, et al. **IEEE Trans Biomed Eng** 1985 Jan;32(1):36–42

Relationships between hand skill and the excitability of motoneurons innervating the postural soleus muscle in human subjects. Tan U. **Int J Neurosci** 1985 May; 26(3–4):289–300

Enkephalin/catecholamine interactions in cardiac, skeletal, and intestinal muscle. Caffrey JL. **J Am Osteopath Assoc** 1984 Sep;84(1 Suppl):135–42

Myoelectric signal conduction velocity and spectral parameters: influence of force and time. Broman H, et al. **J Appl Physiol** 1985 May;58(5):1428–37

Increasing gracilis muscle interstitial potassium concentrations stimulate group III and IV afferents. Rybicki KJ, et al. **J Appl Physiol** 1985 Mar;58(3):936–41

Reticular formation of the lower brainstem. A common system for cardio-respiratory and somatomotor functions. Considerations aided by computer simulations. Lambertz M, et al. **J Auton Nerv Syst** 1985 Jan;12(1):63–75

Reinnervation of a striated muscle by vagal sensory axons. Rousseau JP, et al. **J Auton Nerv Syst** 1984 May-Jun; 10(3–4):217–23

Reticular formation of the lower brainstem. A common system for cardio-respiratory and somatomotor functions. Cross-correlation analysis of discharge patterns of neighbouring neurones. Schulz G, et al. **J Auton Nerv Syst** 1985 Jan;12(1):35–62

The role of cardiovascular and muscle afferent systems in control of body water balance. Yamashita H, et al. **J Auton Nerv Syst** 1984 May-Jun;10(3–4):305–16

Projections from C2 and C3 nerves supplying muscles and skin of the cat neck: a study using transganglionic transport of horseradish peroxidase. Abrahams VC, et al. **J Comp Neurol** 1984 Nov 20;230(1):142–54

Central projections from cat suboccipital muscles: a study using transganglionic transport of horseradish peroxidase. Bakker DA, et al. **J Comp Neurol** 1984 Sep 20; 228(3):409–21

On the location and size of laryngeal motoneurons in the cat and rabbit. Davis PJ, et al. **J Comp Neurol** 1984 Nov 20;230(1):13–32

Innervation of the complexus ('hatching') muscle of the chick. Gross GH. **J Comp Neurol** 1985 Feb 8;232(2):180–9

Number and distribution of stapedius motoneurons in cats. Joseph MP, et al. **J Comp Neurol** 1985 Feb 1;232(1):43–54

The central projection of muscle afferent fibres to the lower medulla and upper spinal cord: an anatomical study in the cat with the transganglionic transport method. Nyberg G, et al. **J Comp Neurol** 1984 Nov 20;230(1):99–109

The organization of motoneurons in the turtle lumbar spinal cord. Ruigrok TJ, et al. **J Comp Neurol** 1984 Sep 1; 228(1):24–37

Morphology of lumbar motoneurons innervating hindlimb muscles in the turtle Pseudemys scripta elegans: an intracellular horseradish peroxidase study. Ruigrok TJ, et al. **J Comp Neurol** 1984 Dec 10;230(3):413–25

Identification of stapedius muscle motoneurons in squirrel monkey and bush baby. Thompson GC, et al. **J Comp Neurol** 1985 Jan 8;231(2):270–9

Compartmentalization of the cat lateral gastrocnemius motor nucleus. Weeks OI, et al. **J Comp Neurol** 1985 May 8; 235(2):255–67

Polyneuronal innervation of an adult and embryonic lobster muscle. Govind CK, et al. **J Embryol Exp Morphol** 1985 Jun;87:13–26

The influence of inactivity on membrane resting conductances of rat skeletal muscle fibres undergoing reinnervation. Conte-Camerino D, et al. **J Exp Biol** 1985 Mar;115:99–104

Injury, nerve, and wound epidermis related electrophoretic and fluorographic protein patterns in forelimbs of adult newts. Garling DJ, et al. **J Exp Zool** 1984 Aug; 231(2):221–41

Segregation of muscle and cutaneous afferent fibre terminals in the brachial spinal cord of the frog. Székely G, et al. **J Hirnforsch** 1984;25(6):671–5

Tactile neurofibroma of the stapedial nerve. Van Goethem H, et al. **J Laryngol Otol** 1985 Feb;99(2):187–92

Motor units of the primary ankle extensor muscles of the opossum (Didelphis virginiana): functional properties and fiber types. Peters SE, et al. **J Morphol** 1984 Sep; 181(3):305–17

Distribution of sensory receptors in the flexor carpi radialis muscle of the cat. Richmond FJ, et al. **J Morphol** 1985 Jan;183(1):1–13

Conduction block in a branching axon innervating two muscles under physiological conditions. Baranes-Shahrabany O, et al. **J Neurobiol** 1984 Jul; 15(4):263–71

Innervation of the limb accessory flexor muscle in several decapod crustaceans. I. Anatomy. Govind CK, et al. **J Neurobiol** 1985 Jul;16(4):317–28

Ring neuron control of columellar motor neurons during egg-laying behavior in the pond snail. Jansen RF, et al. **J Neurobiol** 1985 Jan;16(1):1–14

Regulation of calcium influx into buccal muscles of Aplysia by acetylcholine and serotonin. Ram JL, et al. **J Neurobiol** 1985 Jan;16(1):57–68

Central generation of swimming activity in the hydrozoan jellyfish Aequorea aequorea. Satterlie RA. **J Neurobiol** 1985 Jan;16(1):41–55

Neuromuscular relationships in the abdomen of the Californian shore crab Pachygrapsus crassipes. Stephens PJ, et al. **J Neurobiol** 1985 Mar;16(2):127–36

Triple innervation of the crayfish opener muscle: the astacuran common inhibitor. Wiens TJ. **J Neurobiol** 1985 May;16(3):183–91

Retrograde effect of muscle on forms of acetylcholinesterase in peripheral nerves. Bacou F, et al. **J Neurochem** 1985 Oct;45(4):1178–85

Denervation in wasted hand muscles in a case of primary cerebellar ectopia without syringomyelia. Alani SM. **J Neurol Neurosurg Psychiatry** 1985 Jan;48(1):84–5

Tension development and muscle activation in the leg during gait in spastic hemiparesis: independence of muscle hypertonia and exaggerated stretch reflexes. Berger W, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1029–33

The effects of movement velocity, mass displaced, and task certainty on associated postural adjustments made by normal and hemiplegic individuals. Horak FB, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1020–8

The effects of reflex path length on clonus frequency in spastic muscles. Iansek R. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1122–4

Action of tizanidine on responses of forearm flexors and extensors to torque disturbances. Mackel R, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1109–16

The H-reflex of the flexor carpi radialis muscle; a study in controls and radiation-induced brachial plexus lesions. Ongerboer de Visser BW, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1098–101

Absence of enhanced physiological tremor in patients without muscle or cutaneous afferents. Sanes JN. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):645–9

Damage to the innervation of the voluntary anal and periurethral sphincter musculature in incontinence: an electrophysiological study. Snooks SJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1269–73

Some effects of prolonged constriction on nerve regeneration in the rabbit. Krarup C, et al. **J Neurol Sci** 1985 Apr; 68(1):1–14

Uptake of horseradish peroxidase in denervated skeletal muscle occurs primarily at the endplate region. Libelius R, et al. **J Neurol Sci** 1984 Nov-Dec;66(2–3):273–81

Age changes of motor innervation and acetylcholine receptor distribution on human skeletal muscle fibres. Oda K. **J Neurol Sci** 1984 Nov-Dec;66(2–3):327–38

Recruitment order of motoneurons in stretch reflexes is highly correlated with their axonal conduction velocity. Bawa P, et al. **J Neurophysiol** 1984 Sep;52(3):410–20

Control of sequential movements: evidence for generalized motor programs. Carter MC, et al. **J Neurophysiol** 1984 Nov;52(5):787–96

Heterogeneity of group Ia synapses on homonymous alpha-motoneurons as revealed by high-frequency stimulation of Ia afferent fibers. Collins WF 3d, et al. **J Neurophysiol** 1984 Nov;52(5):980–93

Nonlinear viscosity of human wrist. Gielen CC, et al. **J Nearophysiol** 1984 Sep;52(3):553–69

Motor organization in pharynx of Helix pomatia. Peters M, et al. **J Neurophysiol** 1984 Sep;52(3):389–409

Determination of afferent fibers mediating oligosynaptic group I input to cat medial gastrocnemius motoneurons. Powers RK, et al. **J Neurophysiol** 1985 Feb;53(2):518–29

Distribution of oligosynaptic group I input to the cat medial gastrocnemius motoneuron pool. Powers RK, et al. **J Neurophysiol** 1985 Feb;53(2):497–517

Differential changes in the end-plate architecture of functionally diverse muscles during aging. Rosenheimer JL, et al. **J Neurophysiol** 1985 Jun;53(6):1567–81

Cerebellar nuclear cell activity during antagonist cocontraction and reciprocal inhibition of forearm muscles. Wetts R, et al. **J Neurophysiol** 1985 Aug;54(2):231–44

Membrane electrical properties and prediction of motor-unit type of medial gastrocnemius motoneurons in the cat. Zengel JE, et al. **J Neurophysiol** 1985 May;53(5):1323–44

Development of neuromuscular specificity in the grasshopper embryo: guidance of motoneuron growth cones by muscle pioneers. Ball EE, et al. **J Neurosci** 1985 Jul;5(7):1808–19

Development of the topographical projection of motor neurons to a rat muscle accompanies loss of polyneuronal innervation. Bennett MR, et al. **J Neurosci** 1984 Sep; 4(9):2204–12

Motor nerve terminal outgrowth and acetylcholine receptors: inhibition of terminal outgrowth by alpha-bungarotoxin and anti-acetylcholine receptor antibody. Pestronk A, et al. **J Neurosci** 1985 Mar;5(3):751–8

The effect of selective, chronic stimulation on motor unit size in developing rat muscle. Ridge RM, et al. **J Neurosci** 1984 Oct;4(10):2614–20

On the mechanism of acetylcholine receptor accumulation at newly formed synapses on chick myotubes. Role LW, et al. **J Neurosci** 1985 Aug;5(8):2197–204

Trophic effects on the contractile and histochemical properties of rat soleus muscle. Spector SA. **J Neurosci** 1985 Aug;5(8):2189–96

The regulation of synaptic strength within motor units of the frog cutaneous pectoris muscle. Trussell LO, et al. **J Neurosci** 1985 Jan;5(1):243–54

Dorsal and ventral myotome motoneurons and their input during fictive locomotion in lamprey. Wallén P, et al. **J Neurosci** 1985 Mar;5(3):654–61

The ultrastructural basis for synaptic transmission between primary muscle afferents and neurons in Clarke's column of the cat. Walmsley B, et al. **J Neurosci** 1985 Aug; 5(8):2095–106

Independent steroid control of the fates of motoneurons and their muscles during insect metamorphosis. Weeks JC, et al. **J Neurosci** 1985 Aug;5(8):2290–300

Detection of synchrony in the discharge of a population of neurons. I. Development of a synchronization index. Hamm TM, et al. **J Neurosci Methods** 1985 Mar;13(1):37–50

Detection of synchrony in the discharge of a population of neurons. II. Implementation and sensitivity of a synchronization index. Roscoe DD, et al. **J Neurosci Methods** 1985 Mar;13(1):51–64

Pyramidal effects in dorsal neck motoneurones of the cat. Alstermark B, et al. **J Physiol (Lond)** 1985 Jun;363:287–302

Corrective reactions to stumbling in man: neuronal co-ordination of bilateral leg muscle activity during gait. Berger W, et al. **J Physiol (Lond)** 1984 Dec;357:109–25

Interactions between motor units and Golgi tendon organs in the tibialis posterior muscle of the cat. Binder MD, et al. **J Physiol (Lond)** 1985 Jul;364:199–215

Interaction of inactivity and nerve breakdown products in the origin of acute denervation changes in rat skeletal muscle. Cangiano A, et al. **J Physiol (Lond)** 1984 Oct; 355:345–65

Cutaneous receptive field and morphological properties of hamstring flexor alpha-motoneurones in the rat. Cook AJ, et al. **J Physiol (Lond)** 1985 Jul;364:249–63

Respiratory modulation of muscle sympathetic and vagal cardiac outflow in man. Eckberg DL, et al. **J Physiol (Lond)** 1985 Aug;365:181–96

Muscle size and motor unit survival in mice. Habgood MD, et al. **J Physiol (Lond)** 1984 Nov;356:303–14

Synchronous afferent discharge from a passive muscle of the cat: significance for interpreting spike-triggered averages. Hamm TM, et al. **J Physiol (Lond)** 1985 Aug;365:77–102

Crossed actions of group I muscle afferents in the cat. Harrison PJ, et al. **J Physiol (Lond)** 1984 Nov;356:263–73

Polyneuronal innervation and quantal transmitter release in formamide-treated frog sartorius muscles. Herrera AA. **J Physiol (Lond)** 1984 Oct;355:267–80

Phasic modulation of trunk muscle efferents during fictive spinal locomotion in cats. Koehler WJ, et al. **J Physiol (Lond)** 1984 Aug;353:187–97

Cortical projection of afferent information from tendon organs in the cat. McIntyre AK, et al. **J Physiol (Lond)** 1984 Sep;354:395–406

Different types of slowly conducting afferent units in cat skeletal muscle and tendon. Mense S, et al. **J Physiol (Lond)** 1985 Jun;363:403–17

The transneuronal induction of sprouting and synapse formation in intact mouse muscles. Rotshenker S, et al. **J Physiol (Lond)** 1985 Mar;360:387–96

Muscle but not cutaneous C-afferent input produces prolonged increases in the excitability of the flexion reflex in the rat. Wall PD, et al. **J Physiol (Lond)** 1984 Nov;

356:443-58

Muscle innervation of the gut: structure and pathology [editorial] Howard ER. **J R Soc Med** 1984 Nov; 77(11):905-9

Three-dimensional computer reconstruction of the neuromuscular junction distribution in the human posterior cricoarytenoid muscle. Gambino DR, et al. **Laryngoscope** 1985 May;95(5):556-60

J.B. Wolffe memorial lecture. Activity-induced fast to slow transitions in mammalian muscle. Pette D. **Med Sci Sports Exerc** 1984 Dec;16(6):517-28 (73 ref.)

Reinnervation after microsurgical repair of transected cauda equina fibres. An electromyographic study. Conzen M, et al. **Neurochirurgia (Stuttg)** 1985 Jan;28(1):6-7

Clinical and experimental studies on central mechanisms of visually guided eye and head movement. The role of neck afferents during eye-head coordination. Maeda M, et al. **Neurol Med Chir (Tokyo)** 1984 Jul;24(7):443-52

Lumbosacral plexus neuropathy and paraspinal muscle denervation [letter] Viñals Torras M, et al. **Neurology** 1985 Mar;35(3):448-9

Effects of intracortical microstimulation on the activity of limb muscles in alert rabbits. Lenkov DN, et al. **Neurosci Behav Physiol** 1985 May-Jun;15(3):214-20

Localization of motoneurons innervating the muscle of the hard palate in the rat: a horseradish peroxidase study. Jüch PJ, et al. **Neurosci Lett** 1984 Jul 27;48(2):239-43

Reciprocal inhibition upon initiation of voluntary movement. Kagamihara Y, et al. **Neurosci Lett** 1985 Mar 22;55(1):23-7

Shared motor innervation between dynamic and static intrafusal muscle fibers in the monkey. Kucera J. **Neurosci Lett** 1985 Jan 7;53(1):27-31

Naloxone-reversible respiratory inhibition induced by muscular thin-fiber afferents in decerebrated cats. Kumazawa T, et al. **Neurosci Lett** 1985 Jan 7;53(1):81-5

Electrogenic Na-K pump in denervated mouse soleus muscles: prolonged activation by briefly applied acetylcholine. Lorković H, et al. **Neurosci Lett** 1985 May 14;56(2):175-81

Neurogenic extravasation and substance P levels are low in muscle as compared to skin the rat hindlimb. McMahon SB, et al. **Neurosci Lett** 1984 Dec 21;52(3):235-40

Quantitative differences in horseradish peroxidase-labeling of alpha-motoneurons. Sickles DW, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):69-75

Sites in the rabbit flocculus specifically related to eye blinking and neck muscle contraction. Nagao S, et al. **Neurosci Res** 1984 Apr;1(2):149-52

Axon collaterals of anterior semicircular canal-activated vestibular neurons and their coactivation of extraocular and neck motoneurons in the cat. Uchino Y, et al. **Neurosci Res** 1984 Oct;1(5):309-25

Denervation supersensitivity as a model for the neural control of muscle. Cangiano A. **Neuroscience** 1985 Apr; 14(4):963-71 (66 ref.)

Effect of nerve growth factor on intramuscular axons of neonatal mice. Hopkins WG, et al. **Neuroscience** 1984 Nov; 13(3):951-6

Relative prognostic value of best motor response and brain stem reflexes in patients with severe head injury. Born JD, et al. **Neurosurgery** 1985 May;16(5):595-601

Fine structure, origin, and distribution density of the autonomic nerve endings in the sphincter and dilator muscles of the pupil of the mouse. Yamashita T, et al. **Okajimas Folia Anat Jpn** 1984 Aug;61(2-3):173-81

Innervation of the human pupillary sphincter muscle by nerve fibers immunoreactive to substance P. Tervo T, et al. **Ophthalmic Res** 1985;17(2):111-4

Reinnervation of skeletal muscle with a neuromuscular pedicle. Anonsen CK, et al. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):48-57

Acetylcholine-sensitivity and local regenerative activity in denervated frog slow muscle fibres. Lehouelleur J, et al. **Pflugers Arch** 1984 Sep;402(1):88-93

Head movements elicited by electrical stimulation of the anteromedial cortex of the rat. Sinnamon HM, et al. **Physiol Behav** 1984 Aug;33(2):185-90

The all-or-none role of innervation in expression of apamin receptor and of apamin-sensitive Ca2+-activated K+ channel in mammalian skeletal muscle. Schmid-Antomarchi H, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2188-91

Directed regrowth of axons from a misrouted nerve to their correct muscles in the limb of the adult newt. Holder N, et al. **Proc R Soc Lond [Biol]** 1984 Oct 22;222(1229):477-89

A horseradish peroxidase study of motorneuron pools of the forelimb and hindlimb musculature of the axolotl. Stephens N, et al. **Proc R Soc Lond [Biol]** 1985 May 22; 224(1236):325-39

Motorneuron pools innervating muscles in vitamin A-induced proximal-distal duplicate limbs in the axolotl. Stephens N, et al. **Proc R Soc Lond [Biol]** 1985 May 22; 224(1236):341-54

Steroid influences on the development and function of a neuromuscular system. Breedlove SM. **Prog Brain Res** 1984;61:147-70 (80 ref.)

Stimulation of group III and IV muscle afferents reflexly decreases total pulmonary resistance in dogs. Rybicki KJ, et al. **Respir Physiol** 1985 Feb;59(2):185-95

Organization of the lumbar sympathetic outflow to skeletal muscle and skin of the cat hindlimb and tail. Jänig W. **Rev Physiol Biochem Pharmacol** 1985;102:119-213 (258 ref.)

Hormonal control of the anatomical specificity of motoneuron-to-muscle innervation in rats. Breedlove SM. **Science** 1985 Mar 15;227(4692):1357-9

[Impulsive activity not the sole neural determinant of the type of skeletal muscle fiber] Feng TP. **Sheng Li Ko Hsueh Chin Chan** 1985 Jan;16(1):9-12 (13 ref.) **(Chi)**

[Distribution of motor endplates in the leg muscles of domestic fowl (Gallus domesticus)] Kubišová I. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1983;26(5):515-25 (Eng. Abstr.) **(Cze)**

[Innervation of the sternocleidomastoid muscle] Caliot P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(3):199-204 (Eng. Abstr.) **(Fre)**

[Critical remarks on so-called cervicogenic vertigo] Hamann KF. **Laryngol Rhinol Otol (Stuttg)** 1985 Mar;64(3):156-7 (Eng. Abstr.) **(Ger)**

[Correlation of electrophysiologic findings in neural muscular atrophy] Haupt WF, et al. **Nervenarzt** 1985 Apr;56(4):214-7 (Eng. Abstr.) **(Ger)**

[Oculo-auricular phenomenon and its value in neurologic diagnosis] Wagner A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Sep; 36(9):527-32 (Eng. Abstr.) **(Ger)**

[The recovery of motor innervation during treatment with ethanol] Bruno C, et al. **Boll Soc Ital Biol Sper** 1984 Jul 31;60(7):1447-52 (Eng. Abstr.) **(Ita)**

[Changes in the synaptic activity in sciatic nerve-extensor digitorum longus (preparations induced by ethanol)] Bruno C, et al. **Boll Soc Ital Biol Sper** 1984 Sep 30;60(9):1779-84 (Eng. Abstr.) **(Ita)**

[Afferents from a single muscle of the forelimbs and fastigial neurons of the cerebellum] Licata F, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30;61(3):425-31 (Eng. Abstr.) **(Ita)**

[The interstitial nucleus of Cajal: its connections and functional considerations] Fukushima K, et al. **Nippon Seirigaku Zasshi** 1985;47(3):115-29 (145 ref.) **(Jpn)**

[Histological, histochemical and electron-microscopic study of muscles, endplates and intramuscular nerves in experimental reinnervation] Nakano Y, et al. **Rinsho Shinkeigaku** 1984 May;24(5):476-86 (Eng. Abstr.) **(Jpn)**

[Composition and histotopography of receptors in antagonist muscles of the radial area of the human forearm] Chuchkov VM, et al. **Arkh Anat Gistol Embriol** 1985 Jan;88(1):40-3 (Eng. Abstr.) **(Rus)**

[Morphometric study of skeletal muscle of Gallus domesticus denervated during the early stages of ontogeny] Iatsenko VP, et al. **Arkh Anat Gistol Embriol** 1984 Dec;87(12):54-61 (Eng. Abstr.) **(Rus)**

[Representation of skeletal muscles in the spinal ganglia of the cat] Rokitskaia NV. **Arkh Anat Gistol Embriol** 1985 Mar;88(3):39-44 (Eng. Abstr.) **(Rus)**

[Prenatal development of the intrinsic nerves of the muscles of the human foot] Shumikhina GV, et al. **Arkh Anat Gistol Embriol** 1984 Aug;87(8):46-9 (Eng. Abstr.) **(Rus)**

[Presynaptic action of carbacholine on a frog neuromuscular preparation after transection of the motor nerve] Nikol'skii EE, et al. **Dokl Akad Nauk SSSR** 1984 Jul-Aug; 277(1):250-2 **(Rus)**

[Skin and deep tactile sensitivity of humans to the local action of ultrasonics] Tsirul'nikov EM, et al. **Fiziol Cheloveka** 1985 Mar-Apr;11(2):241-6 **(Rus)**

[Contractile characteristics of developing fast and slow muscles during colchicine blockade of axoplasmic transport in their nerves] Mavrina RA, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1564-7 (Eng. Abstr.) **(Rus)**

[Sodium and potassium content of intrafusal muscle fibers and their resting membrane potential in different ionic media] Pivovarova NB, et al. **Fiziol Zh SSSR** 1984 Jun; 70(6):808-13 (Eng. Abstr.) **(Rus)**

[Interaction between portions of the receptor membrane of the nerve cell in the generation of spike activity in the crayfish] Chumachenko AA, et al. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr;35(2):374-6 **(Rus)**

[The innervation of the vocal muscles] Sainz Quevedo M. **An Otorrinolaringol Ibero Am** 1985;12(4):327-39 (Eng. Abstr.) **(Spa)**

METABOLISM

Effects of suxamethonium on CO2-production. Christensen KJ, et al. **Acta Anaesthesiol Scand** 1985 May;29(4):424-6

The effect of severe trauma on muscle energy metabolism in man. Larsson J, et al. **Acta Chir Scand** 1984;150(8):611-8

Intracellular energy substrates in trauma. Larsson J, et al. **Acta Chir Scand [Suppl]** 1985;522:171-81

Interspecies differences in aerobic-oxidative capacities of muscle fibre populations in various mammals. Reichmann H. **Acta Histochem [Suppl] (Jena)** 1985;31:53-6

Tangier disease. A case with sensorimotor distal polyneuropathy and lipid accumulation in striated muscle and vasa nervorum. Marbini A, et al. **Acta Neuropathol (Berl)** 1985;67(1-2):121-7

Effect of phlorizin on the changes of membrane potential, water, Na and K transport induced by cevadine in frog muscle. Cseri J, et al. **Acta Physiol Hung** 1985;65(1):65-80

Composition of amino acid phosphates in phosphorylated G-actin of rabbit skeletal muscle. Fazekas S, et al. **Acta Physiol Hung** 1985;66(1):69-76

Metabolic adaptation of muscles to exercise, vibration and raised temperature under the influence of cernitins. Sawicka TJ, et al. **Acta Physiol Pol** 1984 Mar-Apr;35(2):141-50

Autoradiographic changes of 3H-alpha-bungarotoxin binding in rat hind limb muscles after a cryoinjury of the sciatic nerve and in acrylamide intoxication. Askmark H, et al. **Acta Physiol Scand** 1985 May;124(1):117-20

The effect of adrenaline infusion on the regulation of glycogenolysis in human muscle during isometric contraction. Chasiotis D, et al. **Acta Physiol Scand** 1985 Jan;123(1):55-60

In vitro autoradiographic studies of 3H-alpha-bungarotoxin and 3H-quinuclidinylbenzilate binding in rat hind limb muscles. Gillberg PG, et al. **Acta Physiol Scand** 1984 Apr; 120(4):617-20

Skeletal muscle and hormonal adaptation to physical training in the rat: role of the sympatho-adrenal system. Henriksson J, et al. **Acta Physiol Scand** 1985 Feb;123(2):127-38

Leg citrate metabolism at rest and during exercise in relation to diet and substrate utilization in man. Jansson E, et al. **Acta Physiol Scand** 1984 Oct;122(2):145-53

Relationship between the overflow of endogenous and radiolabelled noradrenaline from canine blood perfused gracilis muscle. Kahan T, et al. **Acta Physiol Scand** 1984 Dec;122(4):571-82

Effect of K-depletion on 3H-ouabain binding and Na-K-contents in mammalian skeletal muscle. Kjeldsen K, et al. **Acta Physiol Scand** 1984 Oct;122(2):103-17

Nerve stump length and 2-aminoisobutyric acid uptake by rat diaphragm muscle. Mamatas SC. **Acta Physiol Scand** 1985 Apr;123(4):505-6

Effects of denervation and protein synthesis inhibitors on amino acid transport in the rat diaphragm. Mamatas SC, et al. **Acta Physiol Scand** 1985 Apr;123(4):507-9

Endurance training augments the stimulatory effect of epinephrine on oxygen consumption in perfused skeletal muscle. Richter EA, et al. **Acta Physiol Scand** 1984 Apr; 120(4):613-5

Buffer capacity and lactate accumulation in skeletal muscle of trained and untrained men. Sahlin K, et al. **Acta Physiol Scand** 1984 Nov;122(3):331-9

Vitamin E deficiency and the susceptibility to lipid peroxidation of mouse cardiac and skeletal muscles. Salminen A, et al. **Acta Physiol Scand** 1984 Dec; 122(4):565-70

Muscle glycogen depletion patterns in type I and subgroups of type II fibres during prolonged severe exercise in man. Vøllestad NK, et al. **Acta Physiol Scand** 1984 Dec; 122(4):433-41

Physical performance and muscle metabolism during beta-adrenergic blockade in man. Kaiser P. **Acta Physiol Scand [Suppl]** 1984;536:1-53

The myopathy of phosphate depletion. Brautbar N, et al. **Adv Exp Med Biol** 1984;178:363-75

The effect of myoglobin concentration on muscle cell PO2 gradients. Federspiel WJ. **Adv Exp Med Biol** 1984; 180:539-43

Fast local regulations of muscle pO2-fields in patients suffering from cirrhosis of the liver. Fleckenstein W, et al. **Adv Exp Med Biol** 1984;180:687-94

Measurements of local PO2 in the resting skeletal muscles of rats with portocaval anastomosis (PCA) under normoxic conditions. Heinrich R, et al. **Adv Exp Med Biol** 1984; 180:623-8

Normal muscle energy metabolism. Kushmerick MJ. **Adv Exp Med Biol** 1984;178:339-50

Myopathy of uremia. Ritz E, et al. **Adv Exp Med Biol** 1984; 178:377-86

Molecular approach to the calcium channel. Glossmann H, et al. **Adv Myocardiol** 1985;5:41-76

Metabolic adaptations to exercise: a review of potential beta-adrenoceptor antagonist effects. Karlsson J. **Am J Cardiol** 1985 Apr 26;55(10):48D-58D

Effect of beta-adrenergic blockade on biochemical and metabolic response to exercise. Opie LH. **Am J Cardiol** 1985 Apr 26;55(10):95D-100D (37 ref.)

Influence of dietary carbohydrate on skeletal muscle glucose uptake. Miller WJ, et al. **Am J Clin Nutr** 1985 Mar; 41(3):526-32

Skeletal muscle metabolism and insulin resistance during endotoxin shock in the dog. Raymond RM. **Am J Emerg Med** 1984 Jan;2(1):45-59

Mechanism for glycogenolysis in nonexercising human muscle during and after exercise. Ahlborg G. **Am J Physiol** 1985 May;248(5 Pt 1):E540-5

Effects of exercise on insulin binding to human muscle. Bonen A, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):E403-8

Insulin resistance of denervated rat muscle: a model for impaired receptor-function coupling. Burant CF, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E657-66

Involvement of transport of H+ equivalents in activation-induced alkaline shift in frog muscle. Connett RJ, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C357-63

Glycogen resynthesis in leg muscles of rats during exercise. Constable SH, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R880-3

Muscle protein turnover: effects of exercise training and renal insufficiency. Davis TA, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):E337-45

Influence of acidosis on AMP deaminase activity in contracting fast-twitch muscle. Dudley GA, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C43-50

Regulation of glutamine production by skeletal muscle cells in culture. Durschlag RP, et al. **Am J Physiol** 1985 May; 248(5 Pt 1):C442–8

Metabolic adaptation to reduced muscle blood flow. II. Mechanisms and beneficial effects. Elander A, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):E70–6

Metabolic adaptation to reduced muscle blood flow. I. Enzyme and metabolite alterations. Elander A, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):E63–9

Effect of hypokinesia–hypodynamia on rat muscle oxidative capacity and glucose uptake. Fell RD, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):R308–12

Glycogen repletion in different skeletal muscles from diabetic rats. Hamilton N, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E740–6

Oxygen dependence of energy metabolism in contracting and recovering rat skeletal muscle. Idström JP, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H40–8

Muscle glucose metabolism in exercising rats: comparison with insulin stimulation. James DE, et al. **Am J Physiol** 1985 May;248(5 Pt 1):E575–80

alpha–Aminoisobutyric acid transport in rat soleus muscle during endotoxic shock. Karlstad MD, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):R142–6

Phosphorus nuclear magnetic resonance of fast- and slow–twitch muscle. Meyer RA, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C279–87

Myosin light chain phosphorylation in fast and slow skeletal muscles in situ. Moore RL, et al. **Am J Physiol** 1984 Nov; 247(5 Pt 1):C462–71

Ketone body metabolism in normal and diabetic human skeletal muscle. Nosadini R, et al. **Am J Physiol** 1985 Aug; 249(2 Pt 1):E131–6

Increased muscle glucose uptake during contractions: no need for insulin. Ploug T, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E726–31

Effect of insulin on intracellular pH in frog skeletal muscle fibers. Putnam RW. **Am J Physiol** 1985 Mar;248(3 Pt 1):C330–6

Water and ion shifts in skeletal muscle of humans with intense dynamic knee extension. Sjøgaard G, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):R190–6

Effects of acidosis on rat muscle metabolism and performance during heavy exercise. Spriet LL, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C337–47

Effect of thyroid status on K+–stimulated metabolism and 45Ca exchange in rat skeletal muscle. Van Hardeveld C, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):E421–30

Potassium movements in denervated frog sartorius muscle. Venosa RA, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C219–27

Oxygen consumption and oxidative capacity of muscles from young obese and nonobese Zucker rats. Wardlaw GM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R911–7

Effect of catecholamines on glucose uptake and glycogenolysis in rat skeletal muscle. Young DA, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C406–9

Muscle alpha–aminoisobutyric acid transport after exercise: enhanced stimulation by insulin. Zorzano A, et al. **Am J Physiol** 1985 May;248(5 Pt 1):E546–52

Contractile properties of slow and fast muscle following tourniquet ischemia. Gardner VO, et al. **Am J Sports Med** 1984 Nov–Dec;12(6):417–23

Relative value of glucose and amino acids in preserving exercise capacity in the postoperative period. Wood CD, et al. **Am J Surg** 1985 Mar;149(3):383–6

Investigation of human mitochondrial myopathies by phosphorus magnetic resonance spectroscopy. Arnold DL, et al. **Ann Neurol** 1985 Aug;18(2):189–96

Myophosphorylase deficiency impairs muscle oxidative metabolism. Haller RG, et al. **Ann Neurol** 1985 Feb; 17(2):196–9

The creatine–creatine phosphate energy shuttle. Bessman SP, et al. **Annu Rev Biochem** 1985;54:831–62 (162 ref.)

Mobility and localization of proteins in excitable membranes. Poo MM. **Annu Rev Neurosci** 1985;8:369–406 (232 ref.)

Characterization of skeletal muscle insulin receptor. Dubler RE, et al. **Arch Biochem Biophys** 1985 Jan;236(1):119–29

Control of the purine nucleotide cycle in extracts of rat skeletal muscle: effects of energy state and concentrations of cycle intermediates. Manfredi JP, et al. **Arch Biochem Biophys** 1984 Sep;233(2):515–29

New investigations on neuro–endocrine correlations in the regulation of muscle metabolism in developing chickens. Giurgea R, et al. **Arch Exp Veterinarmed** 1984 Jul; 38(4):482–6

Adaptation of skeletal muscle energy metabolism to repeated hypoxic–normoxic exposures and drug treatment. Pastoris O, et al. **Arch Int Pharmacodyn Ther** 1985 Mar; 274(1):145–58

Muscle prostaglandin production in the rat. Effect of abdominal sepsis and different amino acid formulations. Freund HR, et al. **Arch Surg** 1985 Sep;120(9):1037–9

The content of carbon monoxide in the tissues of rats intoxicated with carbon monoxide in various conditions of acute exposure. Sokal JA, et al. **Arch Toxicol** 1984 Dec; 56(2):106–8

Partitioning of nutrients in Merino ewes. I. Contribution of skeletal muscle, the pregnant uterus and the lactating mammary gland to total energy expenditure. Oddy VH, et al. **Aust J Biol Sci** 1984;37(5–6):375–88

Muscle fiber type composition and G–tolerance. Tesch PA, et al. **Aviat Space Environ Med** 1984 Nov;55(11):1000–3

Effects of mercaptans upon dihydropyridine binding sites on transverse tubules isolated from triads of rabbit skeletal muscle. Brandt NR, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):205–12

Incorporation of 15N–leucine amine into ATP of fast–twitch muscle following stimulation. Gorski J, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1254–60

Analysis of thyroid hormone effects on myosin heavy chain gene expression in cardiac and soleus muscles using a novel dot–blot mRNA assay. Gustafson TA, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1161–7

Measurement of free Ca2+ changes and total Ca2+ release in a single striated muscle fibre using the fluorescent indicator quin 2. Harvey DJ, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1180–9

Generation of acetyl glyceryl ether phosphorylcholine from the rat skin and muscle tissues stimulated by moxibustion. Nakayama R, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):629–34

The calcium–ryanodine receptor complex of skeletal and cardiac muscle. Pessah IN, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):449–56

Tunicamycin prevents stimulation of protein synthesis by branched chain amino acids in isolated rat muscles. Pryor JC, et al. **Biochem Biophys Res Commun** 1984 Nov 30; 125(1):149–56

Extracellular matrix (ECM) synthesis in muscle cell cultures: quantitative and qualitative studies during myogenesis. Rao JS, et al. **Biochem Biophys Res Commun** 1985 Jul 16; 130(1):440–6

Variation among chicken stocks in the fractional rates of muscle protein synthesis and degradation. Maeda Y, et al. **Biochem Genet** 1984 Aug;22(7–8):687–700

Correlation of the 4–5 S form and the 8 S form of the cytosolic androgen receptor in murine skeletal muscle. Haase A, et al. **Biochem Int** 1983 Nov;7(5):541–8

The NADP binding site on rabbit muscle aldolase. Matteuzzi M, et al. **Biochem Int** 1985 Jan;10(1):53–62

Stimulation of autophosphorylation of rabbit skeletal muscle phosphorylase kinase by glycogen synthase on glycogen particles. Negami A, et al. **Biochem Int** 1985 Jan;10(1):71–8

Myosin subunit composition in human developing muscle. Biral D, et al. **Biochem J** 1984 Dec 15;224(3):923–31

Measurement of the rate of substrate cycling between fructose 6–phosphate and fructose 1,6–bisphosphate in skeletal muscle by using a single–isotope technique. Challiss RA, et al. **Biochem J** 1984 Nov 1;223(3):849–53

A method to quantify glucose utilization in vivo in skeletal muscle and white adipose tissue of the anaesthetized rat. Ferré P, et al. **Biochem J** 1985 May 15;228(1):103–10

The effect of prostaglandins E1, E2 and F2 alpha and indomethacin on the sensitivity of glycolysis and glycogen synthesis to insulin in stripped soleus muscles of the rat. Leighton B, et al. **Biochem J** 1985 Apr 1;227(1):337–40

Fructose 2,6–bisphosphate in rat skeletal muscle during contraction. Minatogawa Y, et al. **Biochem J** 1984 Oct 1; 223(1):73–9

Amino acid oxidation and alanine production in rat hemidiaphragm in vitro. Effects of dichloroacetate. Palmer TN, et al. **Biochem J** 1984 Oct 1;223(1):113–7

Myofibrillar–protein isoforms and sarcoplasmic–reticulum Ca2+–transport activity of single human muscle fibres. Salviati G, et al. **Biochem J** 1984 Nov 15;224(1):215–25

Influence of insulin and glucose on pyruvate catabolism in perfused rat hindlimbs. Schadewaldt P, et al. **Biochem J** 1985 Apr 1;227(1):177–82

Branched–chain amino acid metabolism and alanine formation in rat muscles in vitro. Mitochondrial–cytosolic interrelationships. Snell K, et al. **Biochem J** 1985 Feb 1; 225(3):737–43

Branched–chain amino acid metabolism and alanine formation in rat diaphragm muscle in vitro. Effects of dichloroacetate. Snell K, et al. **Biochem J** 1984 Nov 1; 223(3):831–5

Insulin sensitivity and responsiveness of epitrochlearis and soleus muscles from fed and starved rats. Recognition of differential changes in insulin sensitivities of protein synthesis and glucose incorporation into glycogen. Stirewalt WS, et al. **Biochem J** 1985 Apr 15;227(2):355–62

Opposite changes with age in liver and muscle in the mitochondrial and soluble glucose–1,6–bisphosphate and 6–phosphogluconate dehydrogenase. Beitner R, et al. **Biochem Med** 1984 Aug;32(1):57–66

Transport of 42K+, 201Tl+ and [99mTc(dmpe)2.Cl2]+ by neonatal rat myocyte cultures. Delano ML, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3377–80

Photoaffinity labeling of beta–adrenergic receptors in mammalian tissues. Nambi P, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3813–22

Desensitization of beta–adrenergic receptor–coupled adenylate cyclase activity. Differences following exposure of cells to two full agonists. Pittman RN, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3579–84

Effects of sodium 2–[5–(4–chlorophenyl)pentyl]–oxirane–2–carboxylate (POCA) on carbohydrate and fatty acid metabolism in liver and muscle. Schudt C, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3357–62

Tryptic digestion of rabbit skeletal myofibrils: an enzymatic probe of myosin cross–bridges. Chen T, et al. **Biochemistry** 1984 May 22;23(11):2400–7

Cross–linking agents induce rapid calcium release from skeletal muscle sarcoplasmic reticulum. Chiesi M. **Biochemistry** 1984 Aug 14;23(17):3899–907

Conformation of spin–labeled tropomyosin in reconstituted muscle thin filaments in response to calcium ion and heavy meromyosin. Graceffa P. **Biochemistry** 1985 May 21; 24(11):2743–7

Tropomyosin lysine reactivities and relationship to coiled–coil structure. Hitchcock–DeGregori SE, et al. **Biochemistry** 1985 Jun 18;24(13):3305–14

Phosphorylation kinetics of skeletal muscle myosin and the effect of phosphorylation on actomyosin adenosinetriphosphatase activity. Persechini A, et al. **Biochemistry** 1984 Aug 28;23(18):4144–50

Effect of various anions on the stability of the coiled coil of skeletal muscle myosin. Stafford WF 3d. **Biochemistry** 1985 Jun 18;24(13):3314–21

Pressure effects on actin self–assembly: interspecific differences in the equilibrium and kinetics of the G to F transformation. Swezey RR, et al. **Biochemistry** 1985 Feb 12;24(4):852–60

Comparison of effects of smooth and skeletal muscle tropomyosins on interactions of actin and myosin subfragment 1. Williams DL Jr, et al. **Biochemistry** 1984 Aug 28;23(18):4150–5

The role of calcium in stimulation of sugar transport in muscle by lithium. Bigornia L, et al. **Biochim Biophys Acta** 1985 Jun 27;816(2):197–207

Insulin binding in human skeletal muscle. Bonen A, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):171–6

Suppression of 1,25–dihydroxy–vitamin D3–dependent calcium transport by protein synthesis inhibitors and changes in phospholipids in skeletal muscle. de Boland AR, et al. **Biochim Biophys Acta** 1985 May 30;845(2):237–41

Association of chicken pectoralis muscle phosphorylase with the Z–line and the M–line of myofibrils: comparison with 'amorphin', the amorphous component of the Z–line. Maruyama K, et al. **Biochim Biophys Acta** 1985 Jun 10; 829(2):229–37

A 31P–nuclear magnetic resonance study of skeletal muscle metabolism in rats depleted of creatine with the analogue beta–guanidinopropionic acid. Shoubridge EA, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):79–88

A comparison of in vivo catalysis by creatine kinase in avian skeletal muscles with different fibre composition. Smith MB, et al. **Biochim Biophys Acta** 1985 Jul 30;846(1):174–8

Inhibitors of protein synthesis, puromycin and emetine, inhibit prostaglandin E2 release by skeletal muscle. Turinsky J. **Biochim Biophys Acta** 1985 May 29; 840(1):134–6

Prostaglandin E2 and muscle protein turnover in Pseudomonas aeruginosa sepsis. Turinsky J, et al. **Biochim Biophys Acta** 1985 May 29;840(1):137–40

Palmitate oxidation in suspended skeletal muscle fibers from the rat. Zuurveld JG, et al. **Biochim Biophys Acta** 1984 Oct 24;796(1):34–41

Oxidative metabolism of cultured human skeletal muscle cells in comparison with biopsy material. Zuurveld JG, et al. **Biochim Biophys Acta** 1985 Jan 18;844(1):1–8

Onset of birhythmicity in a regulated biochemical system. Morán F, et al. **Biophys Chem** 1984 Aug;20(1–2):149–56

Donnan potentials from striated muscle liquid crystals. Sarcomere length dependence. Aldoroty RA, et al. **Biophys J** 1985 Jan;47(1):89–95

Single chloride–selective channels active at resting membrane potentials in cultured rat skeletal muscle. Blatz AL, et al. **Biophys J** 1985 Jan;47(1):119–23

Binding of myosin subfragment 1 to glycerinated insect flight muscle in the rigor state. Goody RS, et al. **Biophys J** 1985 Feb;47(2 Pt 1):151–69

Impaired muscle glucose metabolism in acute renal failure. Palmer TN, et al. **Biosci Rep** 1985 May;5(5):433–8

Cyclic nucleotides and contractility of isolated soleus muscle. Bowman WC, et al. **Br J Pharmacol** 1985 Jan;84(1):259–64

Effects of pentobarbitone on acetylcholine–activated channels in mammalian muscle. Gage PW, et al. **Br J Pharmacol** 1985 May;85(1):229–35

gamma–Aminobutyric acid- and piperazine–activated single–channel currents from Ascaris suum body muscle. Martin RJ. **Br J Pharmacol** 1985 Feb;84(2):445–61

Effects of sensory deafferentation on glucose metabolism of muscles during locomotion. Eidelberg E, et al. **Brain Res** 1985 Feb 18;327(1–2):316–8

Two subtypes of sodium channel with tetrodotoxin sensitivity and insensitivity detected in denervated mammalian skeletal muscle. Rogart RB, et al. **Brain Res** 1985 Mar 11; 329(1–2):314–8

Effects of burns on amino acid levels in rat plasma, liver and muscle. Karner J, et al. **Burns Incl Therm Inj** 1984 Dec;11(2):130–7

Recovery of normal protein synthesis in heat–shocked chicken myotubes by liposome–mediated transfer of mRNAs. Bag J. **Can J Biochem Cell Biol** 1985 Mar; 63(3):231–5

Hexose transport in plasma membrane vesicles of rat myoblast L6. Cheung MO, et al. **Can J Biochem Cell Biol** 1984 Nov;62(11):1217–27

Androgen cytosol binding during compensatory overload–induced skeletal muscle hypertrophy. Hickson RC, et al. **Can J Biochem Cell Biol** 1985 May;63(5):348–54

Is intracellular Ca2+ involved in insulin stimulation of sugar transport? Fact and prejudice. Klip A.

Can J Biochem Cell Biol 1984 Nov;62(11):1228-36 (93 ref.)

Chlormadinone acetate, a progesterone derivative that binds to the digitalis receptor, inhibits the sodium pump in the isolated rat diaphragm. Bihler I, et al. **Can J Physiol Pharmacol** 1985 Jan;63(1):44-7

Effects of exercise on insulin binding and glucose metabolism in muscle. Bonen A, et al. **Can J Physiol Pharmacol** 1984 Dec;62(12):1500-4

The 'intermediate component' of the radiosodium efflux from frog skeletal muscle. Menard MR. **Can J Physiol Pharmacol** 1984 Dec;62(12):1492-9

Skeletal muscle histochemical and biochemical characteristics in sedentary male and female subjects. Simoneau JA, et al. **Can J Physiol Pharmacol** 1985 Jan;63(1):30-5

Insulin binding and 2-deoxy-D-glucose uptake in fast- and slow-twitch mouse skeletal muscle at 18 and 37 degrees C. Watson-Wright WM, et al. **Can J Physiol Pharmacol** 1984 Dec;62(12):1460-5

Pyruvate and lactate production by cultured Sertoli cells, fibroblasts and muscle satellite cells, and the effect of hormonal and dcAMP stimulation. Vivarelli E, et al. **Cell Biol Int Rep** 1984 Sep;8(9):739-46

Kinetic investigations in single muscle fibres using luminescent and fluorescent Ca2+ probes. Ashley CC, et al. **Cell Calcium** 1985 Apr;6(1-2):159-81 (60 ref.)

The presence and binding characteristics of calmodulin in microsomal preparations enriched in sarcoplasmic reticulum from rabbit skeletal muscle. Eibschutz B, et al. **Cell Calcium** 1984 Aug;5(4):391-400

Use of a metallochromic indicator to study intracellular calcium movements in skeletal muscle. Schneider MF, et al. **Cell Calcium** 1985 Apr;6(1-2):109-18

The use of metallochromic Ca indicators in skeletal muscle. Vergara J, et al. **Cell Calcium** 1985 Apr;6(1-2):119-32 (36 ref.)

Classification of skeletal muscle fibers by comparison of enzyme histochemistry with lectin binding. Yamagami T, et al. **Cell Mol Biol** 1985;31(4):241-9

Evaluation of energy metabolism in skeletal muscle of patients with heart failure with gated phosphorus-31 nuclear magnetic resonance. Wilson JR, et al. **Circulation** 1985 Jan;71(1):57-62

Free amino acids in muscle tissue and plasma during exercise in man. Bergström J, et al. **Clin Physiol** 1985 Apr;5(2):155-60

Topical magnetic resonance for the study of muscle metabolism in human myopathy. Edwards RH, et al. **Clin Physiol** 1985 Apr;5(2):93-109

A technique for the determination of the available oxygen in living carp (Cyprinus carpio) muscle. Lucchiari PH, et al. **Comp Biochem Physiol [A]** 1984;78(4):675-9

Myoglobin levels and mATPase activity in pectoral muscles of spruce and ruffed grouse (Aves: Tetraoninae). Thomas VG. **Comp Biochem Physiol [A]** 1985;81(1):181-4

Connective tissue metabolism in muscular dystrophy. Amino acid composition of native types I, III, IV and V collagen isolated from the gastrocnemius muscle of embryonic chickens with genetic muscular dystrophy. DeMichele SJ, et al. **Comp Biochem Physiol [B]** 1985;81(1):149-57

Postmortem metabolism of short-finned squid muscle (Illex illecebrosus). Langille SM, et al. **Comp Biochem Physiol [B]** 1984;79(3):361-7

Stimulation by octopamine of the sodium efflux in barnacle muscle fibres. Bittar R, et al. **Comp Biochem Physiol [C]** 1984;79(1):227-9

Use-dependent block of GABA-activated chloride channels in crayfish muscle fibers by picrate. Kaila K, et al. **Comp Biochem Physiol [C]** 1984;78(2):309-13

Single glutamate gated channels in insect visceral muscle. Kits KS, et al. **Comp Biochem Physiol [C]** 1984;79(2):407-12

Stimulation by proctolin of the ouabain-insensitive sodium efflux in single barnacle muscle fibers. Nwoga J, et al. **Comp Biochem Physiol [C]** 1985;81(2):345-50

Ion channel block in rat diaphragm by the venom of the digger wasp Philanthus triangulum. van Wilgenburg H, et al. **Comp Biochem Physiol [C]** 1984;79(1):205-11

Glycogen depletion patterns in horses competing in day 2 of a three day event. Hodgson DR, et al. **Cornell Vet** 1985 Apr;75(2):366-74

Thin filament proteins and thin filament-linked regulation of vertebrate muscle contraction. Leavis PC, et al. **CRC Crit Rev Biochem** 1984;16(3):235-305 (444 ref.)

Induction and treatment of metabolic acidosis: a study of pH changes in porcine skeletal muscle and cerebrospinal fluid. Wiklund L, et al. **Crit Care Med** 1985 Feb;13(2):109-13

Laser-induced photogeneration of ATP: a new approach to the study of chemical kinetics of muscle contraction. Hibberd MG, et al. **Curr Top Cell Regul** 1984;24:357-64

Increased endocytosis of acetylcholine receptors by dystrophic mouse myotubes in vitro. Cossu G, et al. **Dev Biol** 1985 Aug;110(2):362-8

Plasma and skeletal muscle free amino acids in type I, insulin-treated diabetic subjects. Borghi L, et al. **Diabetes** 1985 Aug;34(8):812-5

Muscle protein turnover in the perfused hindquarters of lean and genetically obese-diabetic (db/db) mice. Shargill NS, et al. **Diabetes** 1984 Dec;33(12):1160-4

Effect of work-induced hypertrophy on muscle glucose metabolism in lean and obese mice. Augert G, et al. **Diabetologia** 1985 May;28(5):295-301

Aorta and muscle metabolism in pigs with peripheral hyperinsulinaemia. Falholt K, et al. **Diabetologia** 1985 Jan;28(1):32-7

Role of muscle fibroblasts in the deposition of type-IV collagen in the basal lamina of myotubes. Kühl U, et al. **Differentiation** 1984;28(2):164-72

The Na+-dependent regulation of the internal pH in chick skeletal muscle cells. The role of the Na+/H+ exchange system and its dependence on internal pH. Vigne P, et al. **EMBO J** 1984 Aug;3(8):1865-70

Modulating influence of D,L-propranolol on triiodothyronine-induced skeletal muscle protein degradation. Miller JL, et al. **Endocrinology** 1985 Sep;117(3):869-71

Effect of ovarian hormones on glucose metabolism in mouse soleus muscle. Puah JA, et al. **Endocrinology** 1985 Oct;117(4):1336-40

The calcium dependence of insulin degradation by rat skeletal muscle. Ryan MP, et al. **Endocrinology** 1985 Oct;117(4):1693-8

The effect of dopamine on muscle PO2 in healthy volunteers and intensive care patients. Kersting T, et al. **Eur J Anaesthesiol** 1985 Jun;2(2):143-53

Muscle glycogen depletion during exercise at 9 degrees C and 21 degrees C. Jacobs I, et al. **Eur J Appl Physiol** 1985;54(1):35-9

Effects of a rapid change in muscle glycogen availability on metabolic and hormonal responses during exercise. Lavoie JM, et al. **Eur J Applied Physiol** 1984;53(1):57-62

Properties of receptors for the Ca2+-channel blocker verapamil in transverse-tubule membranes of skeletal muscle. Stereospecificity, effect of Ca2+ and other inorganic cations, evidence for two categories of sites and effect of nucleoside triphosphates. Galizzi JP, et al. **Eur J Biochem** 1984 Oct 15;144(2):211-5

Differentiation of rat myoblasts. Regulation of turnover of ribosomal proteins and their mRNAs. Jacobs FA, et al. **Eur J Biochem** 1985 Jul 15;150(2):255-63

Collagen-stimulating factor from embryonic brain has ascorbate-like activity and stimulates prolyl hydroxylation in cultured muscle cells. Kalcheim C, et al. **Eur J Biochem** 1985 Jan 2;146(1):227-32

Primary structure of delta subunit precursor of calf muscle acetylcholine receptor deduced from cDNA sequence. Kubo T, et al. **Eur J Biochem** 1985 May 15;149(1):5-13

Cloning and sequence analysis of human genomic DNA encoding gamma subunit precursor of muscle acetylcholine receptor. Shibahara S, et al. **Eur J Biochem** 1985 Jan 2;146(1):15-22

Antibody induced internalization of acetylcholine nicotinic receptor: kinetics, mechanism and selectivity. Clementi F, et al. **Eur J Cell Biol** 1985 May;37:220-8

Experimental skeletal muscle damage: the nature of the calcium-activated degenerative processes. Jackson MJ, et al. **Eur J Clin Invest** 1984 Oct;14(5):369-74

Quinidine-induced changes in serum and skeletal muscle digoxin concentration; evidence of saturable binding of digoxin to skeletal muscle. Jogestrand T, et al. **Eur J Clin Pharmacol** 1984;27(5):571-5

Physical exercise and binding of digoxin to skeletal muscle—effect of muscle activation frequency. Joreteg T, et al. **Eur J Clin Pharmacol** 1984;27(5):567-70

The pericellular boundary layer modulates acetylcholine receptor stability in cultured myotubes. Bischoff R. **Exp Cell Res** 1984 Oct;154(2):432-41

Microtubules, microfilaments and the transport of acetylcholine receptors in embryonic myotubes. Connolly JA. **Exp Cell Res** 1985 Aug;159(2):430-40

Effect of vitamin D and its metabolites on developing myogenic cultures. Stern P, et al. **Exp Cell Res** 1984 Oct;154(2):485-91

Changes in muscle carnitine during regeneration. Czyzewski K, et al. **Exp Neurol** 1984 Oct;86(1):73-80

Irreversible inhibition of phospholipid methylation and protein carboxymethylation does not alter acetylcholine receptor function in muscle cells. Magilen G, et al. **Exp Neurol** 1984 Nov;86(2):198-207

Skeletal muscle metabolism in mice bearing adenocarcinoma. I. Histochemical alterations in glycogenolytic, glycolytic, lipolytic and oxidative metabolism. Asotra K, et al. **Exp Pathol** 1985;27(1):55-62

Effect of fasting on skeletal muscle triglyceride content. Jaromowska M, et al. **Experientia** 1985 Mar 15;41(3):357-8

Effects of neuromuscular blockers on carnosine levels in rat skeletal muscle. Thomsen W, et al. **Experientia** 1985 Mar 15;41(3):374-5

Modification of the skeletal muscle energy metabolism induced by intermittent normobaric hypoxia and treatment with biological pyrimidines. Pastoris O, et al. **Farmaco [Sci]** 1985 Jun;40(6):442-53

Increased insulin sensitivity in soleus muscle from cold-exposed rats: reversal by an adenosine-receptor agonist. Budohoski L, et al. **FEBS Lett** 1984 Oct 1;175(2):402-6

Phosphoprotein phosphatase inhibitor-2 is phosphorylated at both serine and threonine residues in mouse diaphragm. DePaoli-Roach AA, et al. **FEBS Lett** 1985 Apr 22;183(2):423-9

(-)-[3H]Desmethoxyverapamil, a novel Ca2+ channel probe. Binding characteristics and target size analysis of its receptor in skeletal muscle. Goll A, et al. **FEBS Lett** 1984 Oct 29;176(2):371-7

Fluorescence changes from single striated muscle fibres injected with labelled troponin C (TnCDANZ). Griffiths PJ, et al. **FEBS Lett** 1984 Oct 15;176(1):144-50

Defective synthesis of glycerophosphorylcholine in murine muscular dystrophy; the primary molecular lesion? Infante JP. **FEBS Lett** 1985 Jul 8;186(2):205-10

Changes in the glutathione status of plasma, liver and muscle following exhaustive exercise in rats. Lew H, et al. **FEBS Lett** 1985 Jun 17;185(2):262-6

Maximal activities of enzymes involved in adenosine metabolism in muscle and adipose tissue of rats under conditions of variations in insulin sensitivity. Newsholme EA, et al. **FEBS Lett** 1985 Feb 11;181(1):189-92

Heparin induces Ca2+ release from the terminal cisterns of skeletal muscle sarcoplasmic reticulum. Ritov VB, et al. **FEBS Lett** 1985 Aug 19;188(1):77-80

Differential effect of dichloroacetate on branched-chain amino acid catabolism in perfused rat hindlimbs. Schadewaldt P, et al. **FEBS Lett** 1985 Apr 8;183(1):33-6

Ca2+ channel agonist BAY-k 8644 does not elicit Ca2+ release from skeletal muscle sarcoplasmic reticulum. Zorzato F, et al. **FEBS Lett** 1985 Jul 8;186(2):255-8

Metabolism of substrates: energy substrate metabolism during exercise and as modified by training. Gollnick PD. **Fed Proc** 1985 Feb;44(2):353-7

Acclimatory changes in protein and nucleic acid contents of liver, muscle, and ovary of Singi fish (Heteropneustes fossilis Bloch) of two phases of reproductive cycle at different temperatures. Dasmahapatra AK, et al. **Gegenbaurs Morphol Jahrb** 1984;130(4):593-602

In vivo and in vitro effects of growth hormone on the incorporation of [14C]leucine into protein of liver and muscle of the eel. Inui Y, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):295-300

The detection of denervation-induced structural changes in actin by phalloidin. Borovikov YuS, et al. **Gen Physiol Biophys** 1984 Jun;3(3):277-80

Lectin binding in human skeletal muscle: a comparison of 15 different lectins. Capaldi MJ, et al. **Histochem J** 1985 Jan;17(1):81-92

Fibre-optic spectrophotometry of immature bovine skeletal muscles and the cellular distribution of myoglobin and succinate dehydrogenase. Swatland HJ. **Histochem J** 1985 Jun;17(6):675-82

In vivo effect of insulin on the glycogen content in different skeletal muscles of the rat. Górski J, et al. **Horm Metab Res** 1984 Dec;16(12):680

Ouabain binding and Na+ content in resistance vessels and skeletal muscles of spontaneously hypertensive rats and K+-depleted rats. Aalkjaer C, et al. **Hypertension** 1985 Mar-Apr;7(2):277-86

Effect of insulin on acetoacetyl CoA activities in diaphragm and gluteal muscle tissues. Sarma JK, et al. **Indian J Exp Biol** 1984 Feb;22(2):111-2

Alterations in some dehydrogenase profiles of sciatectomized toad gastrocnemius muscle-metabolic modifications by malate. Prasad GV, et al. **Indian J Physiol Pharmacol** 1984 Jul-Sep;28(3):227-30

Duchenne's muscular dystrophy: a tissue culture perspective. Bonsett CA, et al. **Indiana Med** 1984 Jun;77(6):446-9

Trifluoperazine abolishes the actions of bradykinin on glucose 1,6-bisphosphate levels and on the activities of glucose 1,6-bisphosphatase, phosphofructokinase and phosphoglucomutase. Beitner R, et al. **Int J Biochem** 1985;17(4):545-50

The effect of lactation on the fractional synthetic rate of protein in the liver and muscle of rats. Siebrits F, et al. **Int J Biochem** 1985;17(6):731-2

Interaction of various metabolites and agents with branched-chain 2-oxo acid oxidation in rat and human muscle in vitro. Wagenmakers AJ, et al. **Int J Biochem** 1984;16(9):971-6

Interaction of octanoate with branched-chain 2-oxo acid oxidation in rat and human muscle in vitro. Wagenmakers AJ, et al. **Int J Biochem** 1984;16(9):977-84

Protein synthesis in isolated perfused rat skeletal muscle. Contribution of intra- and extracellular amino acid pools. Ward LC, et al. **Int J Biochem** 1984;16(10):1077-81

Skeletal muscle fibers in suspension: a new approach to the study of oxidative and glycolytic metabolism in differentiated muscle. Zuurveld JG, et al. **Int J Biochem** 1984;16(11):1107-14

Effects of potassium + magnesium aspartate on muscle metabolism and force development during short intensive static exercise. de Haan A, et al. **Int J Sports Med** 1985 Feb;6(1):44-9

Effects of muscle CHO-loading manipulations on hormonal responses during prolonged exercise. Lavoie JM, et al. **Int J Sports Med** 1985 Apr;6(2):95-9

Maximal power outputs during the Wingate anaerobic test. Patton JF, et al. **Int J Sports Med** 1985 Apr;6(2):82-5

Relative roles of polysomes and cytoplasmic enzymes in regulating bovine skeletal muscle protein synthesis. Bjercke RJ, et al. **J Anim Sci** 1984 Sep;59(3):684-96

Development of methods to measure activity of polysomes and cytoplasmic enzymes from bovine skeletal muscle in in vitro protein-synthesis assays. Bjercke RJ, et al. **J Anim Sci** 1984 Sep;59(3):666-83

Bovine muscle glycogen as affected by fasting and refeeding. Crouse JD, et al. **J Anim Sci** 1984 Aug;59(2):384-7

Effects of in vitro ronnel on metabolic activity in subcutaneous adipose tissue and skeletal muscle from steers. Trankina ML, et al. **J Anim Sci** 1985 Mar;60(3):652-8

Penetration of cefotaxime into heart valves, subcutaneous and muscle tissue of patients undergoing open-heart surgery. Just HM, et al. **J Antimicrob Chemother** 1984 Oct; 14(4):431-4

Mild exercise impedes glycogen repletion in muscle. Bonen A, et al. **J Appl Physiol** 1985 May;58(5):1622-9

Effect of respiratory alkalosis on skeletal muscle metabolism in the dog. Brice AG, et al. **J Appl Physiol** 1985 Feb; 58(2):658-64

Sympathoadrenal system and activation of glycogenolysis during muscular activity. Cartier LJ, et al. **J Appl Physiol** 1985 Apr;58(4):1122-7

Reduced training frequency effects on aerobic power and muscle adaptations in rats. Hickson RC, et al. **J Appl Physiol** 1984 Dec;57(6):1834-41

Endurance training in humans: aerobic capacity and structure of skeletal muscle. Hoppeler H, et al. **J Appl Physiol** 1985 Aug;59(2):320-7

Effects of elevated and exercise-reduced muscle glycogen levels on insulin sensitivity. Ivy JL, et al. **J Appl Physiol** 1985 Jul;59(1):154-9

Glycogen depletion during prolonged exercise: influence of glucose, fructose, or placebo. Koivisto VA, et al. **J Appl Physiol** 1985 Mar;58(3):731-7

Lipoproteins, lipoprotein lipase, and glycogen after prolonged physical activity. Lithell H, et al. **J Appl Physiol** 1984 Sep;57(3):698-702

Effect of cold exposure on liver and muscle cAMP content and cAMP phosphodiesterase activity. Palmer WK, et al. **J Appl Physiol** 1985 Jan;58(1):211-6

Buffering capacity of deproteinized human vastus lateralis muscle. Parkhouse WS, et al. **J Appl Physiol** 1985 Jan; 58(1):14-7

Metabolic response of equine muscle to intermittent maximal exercise. Snow DH, et al. **J Appl Physiol** 1985 May; 58(5):1689-97

Muscle glycogen repletion after exercise in trained normal and diabetic rats. Tan MH, et al. **J Appl Physiol** 1984 Nov; 57(5):1404-8

Static and kinetic studies on carp muscle parvalbumins. Iio T, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):321-8

Interaction between myosin and F-actin. Correlation with actin-binding sites on subfragment-1. Katoh T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1223-30

Calcium releasing action of quercetin on sarcoplasmic reticulum from frog skeletal muscle. Kurebayashi N, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1249-55

Hybrid with rabbit skeletal DTNB-light chains of heavy meromyosin, myosin, and glycerinated fibers from Akazara scallop adductor. Ojima T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1109-15

Superprecipitation of actomyosin with p-chloromercuribenzoate-modified myosin reconstituted from rabbit skeletal muscle. Sagara J, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1027-31

The relationship between alpha 1-adrenergic receptor occupation and the mobilization of intracellular calcium. Amitai G, et al. **J Biol Chem** 1984 Oct 25;259(20):12519-27

Negative modulation of sodium channels in cultured chick muscle cells by the channel activator batrachotoxin. Bar-Sagi D, et al. **J Biol Chem** 1985 Apr 25;260(8):4740-4

Effects of altered thyroid status on beta-adrenergic actions on skeletal muscle glycogen metabolism. Chu DT, et al. **J Biol Chem** 1985 Aug 25;260(18):9994-10000

In vivo glycolytic equilibria in dog gracilis muscle. Connett RJ. **J Biol Chem** 1985 Mar 25;260(6):3314-20

Conus geographus toxins that discriminate between neuronal and muscle sodium channels. Cruz LJ, et al. **J Biol Chem** 1985 Aug 5;260(16):9280-8

Phosphocreatinine, a high-energy phosphate in muscle, spontaneously forms phosphocreatine and creatinine under physiological conditions. Iyengar MR, et al. **J Biol Chem** 1985 Jun 25;260(12):7562-7

Control of peptide-chain initiation in rat skeletal muscle. Development of methods for preparation of native ribosomal subunits and analysis of the effect of insulin on formation of 40 S initiation complexes. Kelly FJ, et al. **J Biol Chem** 1985 Jun 10;260(11):6677-83

Purification and functional reconstitution of the voltage-sensitive sodium channel from rabbit T-tubular membranes. Kraner SD, et al. **J Biol Chem** 1985 May 25; 260(10):6341-7

Preparation and polymerization of skeletal muscle ADP-actin. Lal AA, et al. **J Biol Chem** 1984 Nov 10; 259(21):13061-5

Proteolytic susceptibility of both isolated and bound light chains from various myosins to myopathic hamster protease. Margossian SS, et al. **J Biol Chem** 1984 Nov 10; 259(21):13534-40

Characterization of a developmentally regulated perinatal myosin heavy-chain gene expressed in skeletal muscle. Periasamy M, et al. **J Biol Chem** 1984 Nov 10; 259(21):13573-8

Fast skeletal muscle myosin light chains 1 and 3 are produced from a single gene by a combined process of differential RNA transcription and splicing. Periasamy M, et al. **J Biol Chem** 1984 Nov 10;259(21):13595-604

Identification of a 43-kDa polypeptide associated with acetylcholine receptor-enriched membranes as MM creatine kinase. Perryman MB, et al. **J Biol Chem** 1985 Aug 5;260(16):9399-404

Subunit phosphorylation and activation of skeletal muscle phosphorylase kinase by the cAMP-dependent protein kinase. Divalent metal ion, ATP, and protein concentration dependence. Pickett-Gies CA, et al. **J Biol Chem** 1985 Feb 25;260(4):2046-56

Shortening velocity in single fibers from adult rabbit soleus muscles is correlated with myosin heavy chain composition. Reiser PJ, et al. **J Biol Chem** 1985 Aug 5;260(16):9077-80

Reactions of 1-N6-ethenoadenosine nucleotides with myosin subfragment 1 and acto-subfragment 1 of skeletal and smooth muscle. Rosenfeld SS, et al. **J Biol Chem** 1984 Oct 10;259(19):11920-9

Kinetic studies of calcium binding to regulatory complexes from skeletal muscle. Rosenfeld SS, et al. **J Biol Chem** 1985 Jan 10;260(1):252-61

The mechanism of insulin stimulation of (Na+,K+)-ATPase transport activity in muscle. Rosić NK, et al. **J Biol Chem** 1985 May 25;260(10):6206-12 (77 ref.)

Synthesis of apolipoprotein A1 in skeletal muscles of normal and dystrophic chickens. Shackelford JE, et al. **J Biol Chem** 1985 Jan 10;260(1):288-91

Insulin action in denervated skeletal muscle. Evidence that the reduced stimulation of glycogen synthesis does not involve decreased insulin binding. Smith RL, et al. **J Biol Chem** 1985 Jan 10;260(1):273-8

Troponin-C-mediated calcium-sensitive changes in the conformation of troponin I detected by pyrene excimer fluorescence. Strasburg GM, et al. **J Biol Chem** 1985 Jan 10;260(1):366-70

Doxorubicin induces calcium release from terminal cisternae of skeletal muscle. A study on isolated sarcoplasmic reticulum and chemically skinned fibers. Zorzato F, et al. **J Biol Chem** 1985 Jun 25;260(12):7349-55

Optimizing tourniquet application and release times in extremity surgery. A biochemical and ultrastructural study. Sapega AA, et al. **J Bone Joint Surg [Am]** 1985 Feb; 67(2):303-14

The protective role of local hypothermia in tourniquet-induced ischaemia of muscle. Irving GA, et al. **J Bone Joint Surg [Br]** 1985 Mar;67(2):297-301

Molecular characteristics and functional reconstitution of muscle voltage-sensitive sodium channels. Barchi RL, et al. **J Cell Biochem** 1984;26(3):135-46

Amino acid pools in cultured muscle cells. Low RB, et al. **J Cell Biochem** 1984;25(3):123-9

Insertion and internalization of acetylcholine receptors at clustered and diffuse domains on cultured myotubes. Bursztajn S, et al. **J Cell Biol** 1985 Jul;101(1):104-11

Qualitative analysis of skeletal myosin as substrate of Ca2+-activated neutral protease: comparison of filamentous and soluble, native, and L2-deficient myosin. Pemrick SM, et al. **J Cell Biol** 1984 Dec;99(6):2297-308

Influence of age on steroid concentrations in skin and striated muscle in women and in cardiac muscle and lung tissue in men. Deslypere JP, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):648-53

Protein metabolism in skeletal muscle tissue from hyperthyroid patients after preoperative treatment with antithyroid drug or selective beta-blocking agent. Results from a prospective, randomized study. Hasselgren PO, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):835-9

Relationship among peripheral glucose uptake, oxygen consumption, and glucose turnover in postabsorptive man. Jackson RA, et al. **J Clin Endocrinol Metab** 1984 Nov; 59(5):857-60

Excess purine degradation in exercising muscles of patients with glycogen storage disease types V and VII. Mineo I, et al. **J Clin Invest** 1985 Aug;76(2):556-60

Regulation of glucose utilization in adipose cells and muscle after long-term experimental hyperinsulinemia in rats. Wardzala LJ, et al. **J Clin Invest** 1985 Aug;76(2):460-9

Metabolic and circulatory limitations to VO2 max at the whole animal level. di Prampero PE. **J Exp Biol** 1985 Mar; 115:319-31

Differences in metabolic potential of skeletal muscle fibres and their significance for metabolic control. Gollnick PD, et al. **J Exp Biol** 1985 Mar;115:191-9

Fuels and pathways as designed systems for support of muscle work. Hochachka PW. **J Exp Biol** 1985 Mar;115:149-64

Patterns in mammalian muscle energetics. Kushmerick MJ. **J Exp Biol** 1985 Mar;115:165-77

Metabolic heterogeneity of muscle fibres. Pette D. **J Exp Biol** 1985 Mar;115:179-89

Altered sodium and gating current kinetics in frog skeletal muscle caused by low external pH. Campbell DT, et al. **J Gen Physiol** 1984 Nov;84(5):771-88

Dichroic behavior of the absorbance signals from dyes NK2367 and WW375 in skeletal muscle fibers. Heiny JA, et al. **J Gen Physiol** 1984 Nov;84(5):805-37

First-order kinetics of muscle oxygen consumption, and an equivalent proportionality between QO2 and phosphorylcreatine level. Implications for the control of respiration. Mahler M. **J Gen Physiol** 1985 Jul;86(1):135-65

Reappraisal of diffusion, solubility, and consumption of oxygen in frog skeletal muscle, with applications to muscle energy balance. Mahler M, et al. **J Gen Physiol** 1985 Jul; 86(1):105-34

Voltage-dependent blockade of muscle Na+ channels by guanidinium toxins. Moczydlowski E, et al. **J Gen Physiol** 1984 Nov;84(5):687-704

Myoglobin levels in individual human skeletal muscle fibers of different types. Nemeth PM, et al. **J Histochem Cytochem** 1984 Nov;32(11):1211-6

Cellular ions in intact and denervated muscles of the rat. Leader JP, et al. **J Membr Biol** 1984;81(1):19-27

Intracellular chloride activity in the extensor digitorum longus (EDL) muscle of the rat. McCaig D, et al. **J Membr Biol** 1984;81(1):9-17

Effect of phospholipid surface charge on the conductance and gating of a Ca2+-activated K+ channel in planar lipid bilayers. Moczydlowski E, et al. **J Membr Biol** 1985; 83(3):273-82

Molecular movements promoted by metal nucleotides in the heavy-chain regions of myosin heads from skeletal muscle. Mornet D, et al. **J Mol Biol** 1985 Jun 5;183(3):479-89

The 3'-untranslated sequence of human skeletal muscle alpha-actin mRNA. Gillespie G, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):457-64

Creatine kinase as an intracellular regulator. Iyengar MR. **J Muscle Res Cell Motil** 1984 Oct;5(5):527-34

Sequential phosphorylation of skeletal muscle troponin. Jaquet K, et al. **J Muscle Res Cell Motil** 1984 Dec; 5(6):677-86

The effect of MgATP on forming and breaking actin-myosin linkages in contracted skinned insect flight muscle fibres. Kuhn HJ, et al. **J Muscle Res Cell Motil** 1985 Feb;6(1):5-27

The rate of polymerization of rabbit skeletal muscle actin is enhanced by polyethylene glycol. Strömqvist M, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):443-55

Peripheral benzodiazepine binding sites on striated muscles of the rat: properties and effect of denervation. Müller WE, et al. **J Neural Transm** 1985;61(1-2):35-42

Increased cytosolic androgen receptor binding in rat striated muscle following denervation and disuse. Bernard PA, et al. **J Neurochem** 1984 Nov;43(5):1479-83

Gastrocnemius muscle lipids in relation to diet in two mouse mutants, 129Re-dy and A2G-adr, with abnormal muscle function. Rebello T, et al. **J Neurochem** 1985 Jul; 45(1):257-67

Binding of [3H]serotonin to skeletal muscle actin. Small DH, et al. **J Neurochem** 1985 Sep;45(3):819-24

Voltage clamp analysis of tetrodotoxin-sensitive and -insensitive sodium channels in rat muscle cells developing in vitro. Gonoi T, et al. **J Neurosci** 1985 Sep;5(9):2559-64

The effects of a myasthenic serum on the acetylcholine receptors of C2 myotubes. I. Immunological distinction between the two toxin-binding sites of the receptor. Gu Y, et al. **J Neurosci** 1985 Jul;5(7):1909-16

The effects of a myasthenic serum on the acetylcholine receptors of C2 myotubes. II. Functional inactivation of the receptor. Maricq AV, et al. **J Neurosci** 1985 Jul; 5(7):1917-24

Skeletal muscle protein turnover in young male pigs. Mulvaney DR, et al. **J Nutr** 1985 Aug;115(8):1057-64

Effect of deficient and excess dietary vitamin B-6 on amino transaminase and glycogen phosphorylase activity and pyridoxal phosphate content in two muscles from postpubertal gilts. Russell LE, et al. **J Nutr** 1985 Sep; 115(9):1124-35

Dietary effects on liver and muscle glycogen repletion in exhaustively exercised rats: energy composition and type of complex carbohydrates. Suzuki M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Oct;30(5):453-66

Effect of diazepam on calcium translocation during physiological muscle fatigue. Bianchi CP, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):197-205

Significance of skeletal muscle digitalis receptors for [3H]ouabain distribution in the guinea pig. Kjeldsen K, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):720-7

Displacement of the surface membrane bound calcium of the skeletal muscle fibers of the frog: effects of lanthanum and opioids. Shetty SS, et al. **J Pharmacol Exp Ther** 1985 Jul; 234(1):233-8

Arsenazo III calcium transients and latency relaxation in frog skeletal muscle fibres at different sarcomere lengths. Close RI, et al. **J Physiol (Lond)** 1984 Oct;355:323-44

Calcium channel inactivation in frog (Rana pipiens and Rana moctezuma) skeletal muscle fibres. Cota G, et al. **J Physiol (Lond)** 1984 Sep;354:99-108

Dependence of adenosine triphosphatase activity of rabbit psoas muscle fibres and myofibrils on substrate concentration. Glyn H, et al. **J Physiol (Lond)** 1985 Aug; 365:259-76

Relaxation of rabbit psoas muscle fibres from rigor by photochemical generation of adenosine-5'-triphosphate. Goldman YE, et al. **J Physiol (Lond)** 1984 Sep;354:577-604

Initiation of active contraction by photogeneration of adenosine-5'-triphosphate in rabbit psoas muscle fibres. Goldman YE, et al. **J Physiol (Lond)** 1984 Sep;354:605-24

Change in intracellular calcium ion concentration induced by caffeine and rapid cooling in frog skeletal muscle fibres. Konishi M, et al. **J Physiol (Lond)** 1985 Aug;365:131-46

Calcium channels and intracellular calcium release are pharmacologically different in frog skeletal muscle. McCleskey EW. **J Physiol (Lond)** 1985 Apr;361:231-49

The frog interosseal muscle fiber as a new model for patch clamp studies of chemosensitive- and voltage-sensitive ion channels: actions of acetylcholine and batrachotoxin. Allen CN, et al. **J Physiol (Paris)** 1984;79(4):338-43

Oxygen consumption in muscle stimulated by noradrenaline at various rates of oxygen delivery. Kolář F, et al. **J Physiol (Paris)** 1984;79(5):357-60

Dihydropyridine binding sites on transverse tubules isolated from triads of rabbit skeletal muscle. Brandt NR, et al. **J Recept Res** 1985;5(2-3):155-70

Multisubunit structure and amino-terminal sequences of piscine muscle acetylcholine receptor. Conti-Tronconi BM, et al. **J Recept Res** 1984;4(7):801-16

Effect of glucocorticoids on the turnover rate of actin and myosin heavy and light chains on different types of skeletal muscle fibres. Seene T, et al. **J Steroid Biochem** 1985 Jun; 22(6):767-71

A macrophage-mediated factor that increases the high energy phosphate content of skeletal muscle. Morris AS, et al. **J Surg Res** 1985 Apr;38(4):373-82

Changes of protein metabolism in liver and skeletal muscle following trauma complicated by sepsis [letter] Krause R, et al. **J Trauma** 1985 Mar;25(3):276-7

Effect of severe injury and critical illness on high-energy phosphates in human liver and muscle. Liaw KY, et al. **J Trauma** 1985 Jul;25(7):628-33

Muscle ischemia and hypothermia: a bioenergetic study using 31phosphorus nuclear magnetic resonance spectroscopy. Osterman AL, et al. **J Trauma** 1984 Sep;24(9):811-7

Skeletal muscle insulin unresponsiveness during chronic hyperdynamic sepsis in the dog. Raymond RM, et al. **J Trauma** 1985 Sep;25(9):845-55

Cellular changes with graded limb ischemia and reperfusion. Perry MO, et al. **J Vasc Surg** 1984 Jul;1(4):536-40

Effect of injury, sepsis, and parenteral nutrition on high-energy phosphates in human liver and muscle. Liaw KY. **JPEN** 1985 Jan-Feb;9(1):28-33

Factors affecting the maximum yield of non protein nitrogen from skeletal muscles. Ansari N, et al. **JPMA** 1985 Apr; 35(4):116-25

Potential dependency of the electrogenic Na+-pump current in bullfrog atrial muscles. Hasuo H, et al. **Jpn J Physiol** 1985;35(1):89-100

Studies on exercise and an elastic protein 'connectin' in hindlimb muscle of growing rat. Yamaguchi M, et al. **Jpn J Physiol** 1985;35(1):21-32

Skeletal muscle water and electrolytes in treated and untreated essential hypertension. Borghi L, et al. **Klin Wochenschr** 1985;63 Suppl 3:132-5

Biochemical identification of a putative glutamate receptor in housefly thoracic membranes. Filbin MT, et al. **Life Sci** 1985 Apr 22;36(16):1531-9

Experimental porcine malignant hyperthermia: macromolecular characterization of muscle plasma membranes. Niebrój-Dobosz I, et al. **Med Biol** 1984; 62(4):250-4

Anaerobic threshold: review of the concept and directions for future research. Brooks GA. **Med Sci Sports Exerc** 1985 Feb;17(1):22-34 (55 ref.)

Metabolic characteristics of skeletal muscle during detraining from competitive swimming. Costill DL, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):339-43

Anaerobic threshold: review of the concept and directions for future research. Davis JA. **Med Sci Sports Exerc** 1985 Feb;17(1):6-21 (85 ref.)

Effect of carbohydrate feeding frequencies and dosage on muscle glycogen use during exercise. Fielding RA, et al. **Med Sci Sports Exerc** 1985 Aug;17(4):472-6

Effect of fructose ingestion on muscle glycogen usage during exercise. Hargreaves M, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):360-3

Effect of strength training on glucose tolerance and post-glucose insulin response. Miller WJ, et al. **Med Sci Sports Exerc** 1984 Dec;16(6):539-43

Possible contribution of skeletal muscle buffers to enhanced anaerobic performance: a brief review. Parkhouse WS, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):328-38 (129 ref.)

Chronic alcohol ingestion alters the calcium permeability of sarcoplasmic reticulum of rat skeletal muscle. Ohnishi ST. **Membr Biochem** 1985;6(1):33-47

Catabolism of branched-chain amino acids by diaphragm muscles of fasted and diabetic rats. Aftring RP, et al. **Metabolism** 1985 Aug;34(8):702-11

Coupled diminished energy turnover and phosphorylase a formation in contracting hypothyroid rat muscle. Leijendekker WJ, et al. **Metabolism** 1985 May;34(5):437-41

An in vivo study of muscle phosphate metabolism in Becker's dystrophy by 31P NMR spectroscopy. Newman RJ. **Metabolism** 1985 Aug;34(8):737-40

Size distribution of ribosomes in biopsy specimens of human skeletal muscle during starvation. Wernerman J, et al. **Metabolism** 1985 Jul;34(7):665-9

Effects of perfusate leucine concentration on the metabolism of valine by the isolated rat hindquarter. Zapalowski C, et al. **Metabolism** 1984 Oct;33(10):922-7

Muscle tissue oxygen pressure in patients with arterial occlusive disease. Creutzig A, et al. **Microvasc Res** 1985 May;29(3):350-9

Hyperosmolality and transcapillary fluid and protein movement in skeletal muscle. Friedman JJ. **Microvasc Res** 1985 May;29(3):340-9

Bioenergetics of intact human muscle. A 31P nuclear magnetic resonance study. Taylor DJ, et al. **Mol Biol Med** 1983 Jul;1(1):77-94

Developmental changes in chromatin of skeletal muscle of rats: acetylation of chromosomal proteins and transcription. Pandey RS, et al. **Mol Biol Rep** 1984 Dec;10(2):79-81

Cardiac actin is the major actin gene product in skeletal muscle cell differentiation in vitro. Bains W, et al. **Mol Cell Biol** 1984 Aug;4(8):1449-53

Modulation of hexose transport in cultured skeletal muscle. Shanahan MF. **Mol Cell Endocrinol** 1984 Dec;38(2-3):171-8

The relationship between phosphatidylinositol metabolism and mobilization of intracellular calcium elicited by alpha1-adrenergic receptor stimulation in BC3H-1 muscle cells. Ambler SK, et al. **Mol Pharmacol** 1984 Nov; 26(3):405-13

Expression of a mammalian Na-H exchanger in muscle fibres of the giant barnacle. Knakal RC, et al. **Nature** 1985 Jun 27-Jul 3;315(6022):756-8

Dihydropyridine receptors in muscle are voltage-dependent but most are not functional calcium channels. Schwartz LM, et al. **Nature** 1985 Apr 25-May 1;314(6013):747-51

Tissue-specific expression of rat myosin light-chain 2 gene in transgenic mice. Shani M. **Nature** 1985 Mar 21-27; 314(6008):283-6

Cloning, sequencing and expression of cDNA for a novel subunit of acetylcholine receptor from calf muscle. Takai T, et al. **Nature** 1985 Jun 27-Jul 3;315(6022):761-4

Aggregates of acetylcholinesterase induced by acetylcholine receptor-aggregating factor. Wallace BG, et al. **Nature** 1985 Jun 13-19;315(6020):574-7

Skeletal muscle water and electrolytes in chronic renal failure. Effects of long-term regular dialysis treatment. Montanari A, et al. **Nephron** 1985;39(4):316-20

Acetylcholine hydrolysis during neuromuscular transmission in the synaptic cleft of skeletal muscle of mouse and chick. Chang CC, et al. **Neuropharmacology** 1985 Jun;24(6):533-9

Manganese ions inhibit acetylcholine receptor synthesis in cultured mouse soleus muscles. Lorković H, et al. **Neurosci Lett** 1984 Oct 26;51(3):331-5

The methylation state of 2 muscle-specific genes: restriction enzyme analysis did not detect a correlation with expression. Shani M, et al. **Nucleic Acids Res** 1984 Sep 25;12(18):7225-34

Non-hematologic complications of iron deficiency. **Nutr Rev** 1984 Oct;42(10):361-3

Extracellular and muscle electrolytes and acid-base status in urinary diversion. Novarini A, et al. **Panminerva Med** 1985 Jan-Mar;27(1):15-9

Asymmetric proton block of inward rectifier K channels in skeletal muscle. Blatz AL. **Pflugers Arch** 1984 Aug; 401(4):402-7

Effects of apamin on the outward potassium current of isolated frog skeletal muscle fibres. Cognard C, et al. **Pflugers Arch** 1984 Oct;402(2):222-4

Different functional states of tetrodotoxin sensitive and tetrodotoxin resistant Na+ channels occur during the in vitro development of rat skeletal muscle. Frelin C, et al. **Pflugers Arch** 1984 Oct;402(2):121-8

Myosin light chain phosphorylation and isometric twitch potentiation in intact human muscle. Houston ME, et al. **Pflugers Arch** 1985 Apr;403(4):348-52

The age-dependent changes in the number of 3H-ouabain binding sites in mammalian skeletal muscle. Kjeldsen K, et al. **Pflugers Arch** 1984 Sep;402(1):100-8

NADH in human skeletal muscle during short-term intense exercise. Sahlin K. **Pflugers Arch** 1985 Feb;403(2):193-6

Frozen hydrated cryosections of thallium loaded muscle reveal subcellular potassium binding sites. Edelmann L. **Physiol Chem Phys Med NMR** 1984;16(6):499-501

A 31P NMR study on uptake and metabolism of hexose monophosphates in rat diaphragm muscle. Podo F, et al. **Physiol Chem Phys Med NMR** 1984;16(1):39-48

Characteristics of growth and protein turnover in skeletal muscle of turkey poults. Kang CW, et al. **Poult Sci** 1985 Feb;64(2):380-7

Growth and protein turnover in the skeletal muscles of broiler chicks. Kang CW, et al. **Poult Sci** 1985 Feb; 64(2):370-9

Renaturation of skeletal muscle tropomyosin: implications for in vivo assembly. Brown HR, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2359-63

Monoclonal antibodies against the voltage-sensitive Na+ channel from mammalian skeletal muscle. Casadei JM, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6227-31

Neural cell adhesion molecule (N-CAM) accumulates in denervated and paralyzed skeletal muscles. Covault J, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4544-8

The strontium-induced calcium-release process and its implication in contractility of skeletal muscle of Rana ridibunda. Cognard C, et al. **Proc R Soc Lond [Biol]** 1985 Jun 22;224(1237):489-509

Mechanisms and control of ATP-dependent proteolysis. Etlinger JD, et al. **Prog Clin Biol Res** 1985;180:47-60

Membrane and molecular aspects of Ca2+ uptake and release in sarcoplasmic reticulum from skeletal muscle. Fleischer S. **Prog Clin Biol Res** 1984;168:31-3

Biochemical and morphological observations of skeletal muscles incubated in vitro. Harris CI, et al. **Prog Clin Biol Res** 1985;180:637-9

Parvalbumin, a relaxing factor in muscle and a neuronal marker in brain. Heizmann CW. **Prog Clin Biol Res** 1984; 168:205-10

Fate of exogenous proteins after internalization by endocytosis and microinjection in cultured myotubes. Janeczko RA, et al. **Prog Clin Biol Res** 1985;180:467-70

Effect of eccentric exercise on muscle protein degradation. Kasperek GJ, et al. **Prog Clin Biol Res** 1985;180:611-3

Regulation of myofibrillar protease, plasminogen activator and protein degradation in cultured myoblasts. Mayer M. **Prog Clin Biol Res** 1985;180:543-54

Role of thyroid, insulin and corticosteroid hormones in the physiological regulation of proteolysis in muscle. Millward DJ, et al. **Prog Clin Biol Res** 1985;180:531-42

Relationships between protein degradation and glucose metabolism in skeletal muscle. Mitch WE, et al. **Prog Clin Biol Res** 1985;180:623-5

Characteristics of burn-induced proteolysis in skeletal muscle. Odessey R. **Prog Clin Biol Res** 1985;180:615-7

Regulation of protein degradation in differentiated skeletal muscle cells in monolayer culture. Smith RJ. **Prog Clin Biol Res** 1985;180:633-5

Liver and skeletal muscle protein metabolism in Yoshida ascites hepatoma AH-130-bearing rats. Tessitore L, et al. **Prog Clin Biol Res** 1985;180:599-601

Relationship of the redox state to muscle protein degradation. Tischler ME, et al. **Prog Clin Biol Res** 1985;180:363-72

6-Oxo-prostaglandin F1a production by guinea-pig skeletal muscle in vitro: the effects of oestradiol and progesterone. Kerry PJ. **Prostaglandins Leukotrienes Med** 1985 Mar; 17(3):283-9

Ca2+-transport in skeletal muscle sarcoplasmic reticulum of the chronically diabetic rat. Eibschutz B, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug;45(2):301-4

Extracellular distribution of radiolabel obscures specific binding of diethylstilbestrol in mouse skeletal muscle. Gruber B, et al. **Res Commun Chem Pathol Pharmacol** 1985 Mar;47(3):445-8

Cyclic nucleotide changes and contractility in the rat anococcygeus muscle. Saint DA, et al. **Res Commun Chem Pathol Pharmacol** 1984 Nov; 46(2):163-73

Subcellular distribution of potassium in striated muscles. Edelmann L. **Scan Electron Microsc** 1984;(Pt 2):875-88

Estimation of stability of [3H]-ouabain binding site concentration in rat and human skeletal muscle post mortem. Nørgaard A, et al. **Scand J Clin Lab Invest** 1985 Apr;45(2):139-44

A method for the determination of the total number of 3H-ouabain binding sites in biopsies of human skeletal muscle. Nørgaard A, et al. **Scand J Clin Lab Invest** 1984 Oct;44(6):509-18

Response of skeletal muscle to training. Matoba H, et al. **Sports Med** 1984 May-Jun;1(3):240-51 (89 ref.)

Isolated hindlimb perfusion in dogs: the effect of perfusion pressures on the oxygen supply (ptO2 histogram) to the skeletal muscle. Fontijne WP, et al. **Surgery** 1985 Mar; 97(3):278-84

In vitro cellular muscle calcium metabolism. Characterization of effects of 1,25-dihydroxy-vitamin D3 and 25-hydroxy-vitamin D3. de Boland AR, et al. **Z Naturforsch** [C] 1985 Jan-Feb;40(1-2):102-8

Effects of vitamin D3 on in vivo labelling of chick skeletal muscle proteins with [3H]leucine. de Boland AR, et al. **Z Naturforsch** [C] 1984 Sep-Oct;39(9-10):1015-6

[The composition of skeletal muscle—an important factor in the pathogenesis of obesity in men] Vondra K, et al. **Vnitr Lek** 1985 Aug;31(8):762-8 (Eng. Abstr.) **(Cze)**

[Inhibition of postoperative muscular proteolysis by sodium alpha-ketoisocaproate: does a dose-effect relation exist?] François G, et al. **Ann Fr Anesth Reanim** 1985;4(4):351-4 (Eng. Abstr.) **(Fre)**

[Postnatal development of the fatty acid composition of lipids of adipose and muscle tissue in rabbits on a low-fat diet] Ouhayoun J, et al. **Reprod Nutr Dev** 1985;25(3):505-19 (Eng. Abstr.) **(Fre)**

[Effects of continuous body stress and methandienone on the degradation of myofibrillar proteins in the guinea pig heart and soleus muscle] Morano I, et al. **Arzneimittelforsch** 1985; 35(2):501-3 (Eng. Abstr.) **(Ger)**

[Metabolic changes in muscle and blood caused by ergometric stress in chronic arterial occlusive disease (I)] Nissen P, et al. **Vasa** 1985;14(1):25-30 (Eng. Abstr.) **(Ger)**

[Effect of hypoxia and hypokinesia on skeletal muscle] Józsa L, et al. **Morphol Igazsagugyi Orv Sz** 1985 Apr;25(2):119-26 (Eng. Abstr.) **(Hun)**

[Alpha-linolenic acid in the trophism of striated muscle] Caponnetto A, et al. **Boll Soc Ital Biol Sper** 1984 Oct 30; 60(10):2003-7 (Eng. Abstr.) **(Ita)**

[Continuous muscle and subcutaneous tissue pH monitoring with polymer sensor] Tamura M, et al. **Masui** 1984 Aug; 33(8):875-81 (Eng. Abstr.) **(Jpn)**

[Alanine metabolism in the skeletal muscle and plasma in endotoxemia] Ishida K, et al. **Nippon Geka Gakkai Zasshi** 1985 Apr;86(4):400-3 (Eng. Abstr.) **(Jpn)**

[Biochemical studies on experimental chloroquine myopathy] Sano M. **Rinsho Shinkeigaku** 1985 May;25(5):627-35 (Eng. Abstr.) **(Jpn)**

[Role of malic enzyme in skeletal muscle metabolism] Swierczyński J. **Postepy Biochem** 1984;30(3-4):251-71 (93 ref.) **(Pol)**

[Phase transitions of free and bound water in muscle contraction] Sakhanova RA, et al. **Biofizika** 1985 Mar-Apr; 30(2):359-60 (Eng. Abstr.) **(Rus)**

[Changes in the intensity of the fluorescence of potential-sensitive fluorescent probes in the active transport of Ca2+ in the fragmented sarcoplasmic reticulum] Usatiuk PV, et al. **Biofizika** 1985 May-Jun; 30(3):450-4 (Eng. Abstr.) **(Rus)**

[Fatty acid composition of individual phospholipids in skeletal muscle at different insulin levels in the rat] Isaev EI, et al. **Biokhimiia** 1984 Oct;49(10):1686-9 (Eng. Abstr.) **(Rus)**

[Study of the ability of mitochondrial proteins to interact with actin] Stozharov AN. **Biokhimiia** 1985 May; 50(5):849–59 (Eng. Abstr.) (Rus)

[Several peculiarities of the interaction of troponin T and troponin C of skeletal and cardiac muscle] Verin AD, et al. **Biokhimiia** 1984 Aug;49(8):1375–82 (Eng. Abstr.) (Rus)

[Does muscle contraction require energy expenditure irrespective of the amount of work?] Aliukhin IuS, et al. **Dokl Akad Nauk SSSR** 1985 May–Jun;282(1):229–31 (Rus)

[Lactate and pyruvate metabolism in the tissues of rats with Walker carcinosarcoma injected with oxythiamine] Velichko MG, et al. **Eksp Onkol** 1984;6(2):54–7 (Eng. Abstr.) (Rus)

[Protein metabolism in the muscles after work] Viru AA, et al. **Fiziol Zh SSSR** 1984 Dec;70(12):1624–8 (Eng. Abstr.) (Rus)

[Effect of short-term thermal loads on tissue respiration of skeletal muscles and internal organs of chickens during hypokinesia] Talipov MS, et al.
Kosm Biol Aviakosm Med 1985 May–Jun;19(3):60–4 (Eng. Abstr.) (Rus)

[Effect of periodic gravitation overloads on the physico-chemical properties and Ca2+ reactivity of actomyosin of the myocardium and skeletal muscles of albino rats] Tikunov BA, et al.
Kosm Biol Aviakosm Med 1984 Sep–Oct;18(5):44–7 (Eng. Abstr.) (Rus)

[Changes in the electrolyte composition of the blood and muscles in carp infection with Ichthyophthirius multifiliis (Ciliata, Ophryoglenidae)] Limanskiĭ VV, et al.
Parazitologiia 1984 Nov–Dec;18(6):479–81 (Eng. Abstr.) (Rus)

[Action of high hydrostatic pressure on the fluorescence of respiratory metabolic components and on the staining capacity of the skeletal muscles in the frog] Troshina VP, et al. **Tsitologiia** 1985 Apr;27(4):427–32 (Eng. Abstr.) (Rus)

[Transmembrane effects in the sodium pump system. II. The ratio of the sodium efflux to the sodium concentration in frog muscle in media with various sodium substitutes] Vinogradova TA, et al. **Tsitologiia** 1985 Jan;27(1):59–64 (Eng. Abstr.) (Rus)

[Changes in the activity and isoenzymic spectrum of skeletal muscle and brain hexokinase under organism adaptation to intensive physical exercise.] Golberg ND.
Ukr Biokhim Zh 1985 Mar–Apr;57(2):46–51 (Eng. Abstr.) (Rus)

[Adenine nucleotide and creatine phosphate levels in rat skeletal muscles and myocardium in myorelaxation] Krapivina OV. **Ukr Biokhim Zh** 1985 Jul–Aug;57(4):70–2 (Eng. Abstr.) (Rus)

[Carbohydrate metabolism of the skeletal muscle of the ischemic extremity in acute and chronic occlusion of the major arteries in man] Kosnikova IV, et al.
Vopr Med Khim 1985 May–Jun;31(3):21–3 (Eng. Abstr.) (Rus)

[Effect of hypothyroidism on the structural and functional characteristics of the sarcoplasmic reticulum of rabbit skeletal muscles] Marzoev AI, et al. **Vopr Med Khim** 1984; 30(6):21–4 (Eng. Abstr.) (Rus)

[Testing for calcium binding sites on the surface membranes of muscle fibers using calcium electrogenesis] Uhrík B, et al. **Bratisl Lek Listy** 1985 Mar;83(3):281–91 (Eng. Abstr.) (Slo)

[The effect of procaine on calcium channels and excitation-contraction coupling of muscle membranes with calcium electrogenesis] Zacharová D, et al. **Bratisl Lek Listy** 1985 Mar;83(3):252–64 (Eng. Abstr.) (Slo)

MICROBIOLOGY

Muscle invasion by Basidiobolus haptosporus. Kamalam A, et al. **Sabouraudia** 1984;22(4):273–7

PARASITOLOGY

Trypanosoma cruzi: reversal of inhibition of host muscle differentiation after exposure to elevated temperatures. Tanowitz HB, et al. **Exp Parasitol** 1984 Dec;58(3):307–13

The feeding mechanism of intracellular muscle larvae, Trichinella nativa Britov et Boev, 1972 and T. pseudospiralis Garkavi, 1972. Hulínská D, et al.
Folia Parasitol (Praha) 1985;32(1):61–6

Antigen production by encysted muscle larvae of Trichinella spiralis. Pritchard DI. **J Helminthol** 1985 Mar;59(1):71–7

Trypanosoma cruzi: histochemical characterization of parasitized skeletal muscle fibers. Teixeira ML, et al.
J Protozool 1985 May;32(2):339–41

Diplostomulum of Pharyngostomum cordatum in the muscle of a raccoon dog Nyctereutes procyonoides. Ooi HK, et al. **Nippon Juigaku Zasshi** 1984 Jun;46(3):409–12

On the tissular parasitism of Trypanosoma cruzi Y strain in Swiss mice. de Sousa MA, et al.
Rev Inst Med Trop Sao Paulo 1984 Nov–Dec;26(6):316–21

Preconditioning of Trichinella spiralis nativa larvae in musculature to low temperatures. Smith HJ.
Vet Parasitol 1984 Dec;17(1):85–90

[Oocysts beside sarcocysts in the muscles of an Antarctic seal] Odening K. **Angew Parasitol** 1984 Nov;25(4):214–6 (Ger)

[Persistence of Sarcocystis miescheriana cysts in the muscles of swine following a single or repeated infection] Schnieder T, et al. **Berl Munch Tierarztl Wochenschr** 1984 Oct 1; 97(10):356–9 (Eng. Abstr.) (Ger)

PATHOLOGY

Fibre number and sizes of mouse soleus muscle in early postnatal protein malnutrition. Ihemelandu EC.
Acta Anat (Basel) 1985;121(2):89–93

Peculiar congenital myopathy in two siblings. Congenital fibre type disproportion or type II fibres hypotrophy? Pavone L, et al. **Acta Neurol (Napoli)** 1984 Aug;6(4):309–12

Skeletal muscle changes in chronic alcoholic patients. A conventional, histochemical, ultrastructural and morphometric study. Del Villar Negro A, et al.
Acta Neurol Scand 1984 Sep;70(3):185–96

Skeletal muscle in paramyotonia congenita: biochemistry, histochemistry and morphology. Friis ML, et al.
Acta Neurol Scand 1985 Jan;71(1):62–8

Early changes in experimental denervated rat gastrocnemius muscle. A semi-automatic quantitative study. De Coster W, et al. **Acta Neuropathol (Berl)** 1985;67(1–2):114–20

Comparative study of alterations of skeletal muscle in Duchenne muscular dystrophy and polymyositis. Morizumi H, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1221–42

How to calculate human muscle fibre areas in biopsy samples––methodological considerations. Blomstrand E, et al. **Acta Physiol Scand** 1984 Dec;122(4):545–51

Torque–velocity relations in the quadriceps muscle of smoking–discordant twins with different fibre type proportions. Larsson L, et al. **Acta Physiol Scand** 1985 Apr; 123(4):515–8

Evidence for defective myoblasts in Duchenne muscular dystrophy. Blau HM, et al. **Adv Exp Med Biol** 1985; 182:85–110

Clostridium septicum septicemia with identical metastatic myonecroses in a granulocytopenic patient. Infectious disease emergency. Tikko SK, et al. **Am J Med** 1985 Aug; 79(2):256–8

Intramuscular lipoma of the larynx. Chen KT, et al.
Am J Otolaryngol 1984 Jan–Feb;5(1):71–2

Characterization of muscles from aspartic acid obese rats. Burbach JA, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):R106–10

Effect of hypokinesia and hypodynamia on protein, RNA, and DNA in rat hindlimb muscles. Steffen JM, et al.
Am J Physiol 1984 Oct;247(4 Pt 2):R728–32

Muscle fiber necrosis and regeneration induced by prolonged weight–lifting exercise in the cat. Giddings CJ, et al.
Anat Rec 1985 Feb;211(2):133–41

Femoral block with mepivacaine for muscle biopsy in malignant hyperthermia patients. Berkowitz A, et al.
Anesthesiology 1985 May;62(5):651–2

Influence of age and thermal treatment on the proton NMR response of muscle. Villa M. **Ann Ist Super Sanita** 1983; 19(1):145–7

Muscle fiber degeneration and necrosis in muscular dystrophy and other muscle diseases: cytochemical and immunocytochemical data. Cornelio F, et al.
Ann Neurol 1984 Dec;16(6):694–701

Hypophysectomy mitigates skeletal muscle fiber damage in hamster dystrophy. Karpati G, et al. **Ann Neurol** 1985 Jan; 17(1):60–4

Massive skeletal muscle invasion by lymphoma. Grem JL, et al. **Arch Intern Med** 1985 Oct;145(10):1818–20

Intramuscular myxoma: report of two cases and review of the literature. Wood WJ Jr. **Ariz Med** 1985 Jul;42(7):417–9

Cricopharyngeal obstruction in inflammatory myopathy (polymyositis/dermatomyositis). Report of three cases and review of the literature. Kagen LJ, et al.
Arthritis Rheum 1985 Jun;28(6):630–6

Familial myopathy associated with Marfanoid features and multicores. Joyce DA, et al. **Aust NZ J Med** 1984 Aug; 14(4):495–9

Needle muscle biopsy: will it make open biopsy obsolete? Pamphlett R, et al. **Aust NZ J Med** 1985 Apr;15(2):199–202

Non–traumatic metastatic clostridial myonecrosis in a seventeen–year–old. Gatt D. **Br J Surg** 1985 Mar; 72(3):240–1

An experimental model of detrusor instability in the obstructed pig. Sibley GN. **Br J Urol** 1985 Jun;57(3):292–8

The effect of reducing the peripheral field on motoneurone development in the rat. Krishnan S, et al. **Brain Res** 1985 Mar;351(1):11–20

Cardiomyopathic hamsters, CHF 146 and CHF 147: a preliminary study. Hunter EG, et al.
Can J Physiol Pharmacol 1984 Nov;62(11):1423–8

Scapuloperoneal myopathy. Todman DH, et al.
Clin Exp Neurol 1984;20:169–74

Muscle pathology in ankylosing spondylitis. Carrabba M, et al. **Clin Exp Rheumatol** 1984 Apr–Jun;2(2):139–44

Centronuclear myopathy with unusual mitochondrial abnormalities. Canal N, et al. **Clin Neuropathol** 1985 Jan–Feb;4(1):23–7

The neuromuscular system in patients with anorexia nervosa: electrophysiological and histologic studies. Slettebø M, et al. **Clin Neuropathol** 1984 Sep–Oct;3(5):217–24

Neuropathologic aspects of arthrogryposis multiplex congenita. Banker BQ. **Clin Orthop** 1985 Apr;(194):30–43

Muscle biopsy: proper surgical technique. Berman AT, et al. **Clin Orthop** 1985 Sep;(198):240–3

Myoblast senescence in muscular dystrophy. Wright WE. **Exp Cell Res** 1985 Apr;157(2):343–54

Histochemical and biochemical alterations in skeletal muscles of rats during combined chronic hypoxia and hypokinesia. Józsa L, et al. **Gegenbaurs Morphol Jahrb** 1985;131(1):43–54

Morphologic and morphometric analyses of muscle in the neonatal myotonic dystrophy syndrome. Silver MM, et al.
Hum Pathol 1984 Dec;15(12):1171–82

Kocher Debre Semelaigne syndrome. Khatua SP, et al.
Indian Pediatr 1984 Apr;21(4):337–9

Bony mass associated with hypertrophy of the sternohyoid muscle after radical neck dissection. Kurita K, et al.
Int J Oral Surg 1985 Feb;14(1):89–92

A contribution to the histological and topographical anatomy of the aponeurosis of the levator palpebrae superioris and of the tarsal muscle in the normal lid and in blepharoptosis. Landolt E. **Int Ophthalmol** 1985 Mar;7(3–4):249–53

Detection of myopathies in children by 1H nuclear magnetic resonance (NMR) and comparison with histopathological patterns. Scelsi R, et al. **Ital J Neurol Sci** 1984 Dec; 5(4):381–4

Testosterone and muscle hypertrophy in female rats. Kuhn FE, et al. **J Appl Physiol** 1985 Jul;59(1):24–7

Muscle fiber number in biceps brachii in bodybuilders and control subjects. MacDougall JD, et al. **J Appl Physiol** 1984 Nov;57(5):1399–403

Adaptive response of hypertrophied skeletal muscle to endurance training. Riedy M, et al. **J Appl Physiol** 1985 Jul;59(1):127–31

Fiber number, area, and composition of mouse soleus muscle following enlargement. Timson BF, et al.
J Appl Physiol 1985 Feb;58(2):619–24

Tumorigenicity testing of primate cell lines in nude mice, muscle organ culture and for colony formation in soft agarose. Levenbook IS, et al. **J Biol Stand** 1985 Apr; 13(2):135–41

Familial myopathies with restricted distribution, facial weakness and inflammatory changes in affected muscles. Bacq M, et al. **J Neurol** 1985;231(6):295–300

Mailing muscle biopsy samples for histochemical processing. Conditions and morphometric approach to the alterations induced by storage. Heene R, et al. **J Neurol** 1984; 231(4):176–81

Unilateral true hypertrophy of the calf muscle [letter] Ono S, et al. **J Neurol** 1985;232(3):180

Muscle hypertrophy and a syndrome of continuous motor unit activity in prednisone–responsive Guillain–Barré polyneuropathy. Vasilescu C, et al. **J Neurol** 1984; 231(5):276–9

Hypotrophy of type I fibres with central nuclei: recovery 4 years after diagnosis. Ricoy JR, et al.
J Neurol Neurosurg Psychiatry 1985 Feb;48(2):167–71

Polymyositis presenting with respiratory failure. Blumbergs PC, et al. **J Neurol Sci** 1984 Aug;65(2):221–9

Experimental amyotrophic lateral sclerosis in the guinea–pig. den Hartog Jager WA. **J Neurol Sci** 1985 Feb;67(2):133–42

Quantitative analysis of quadriceps muscle biopsy. Results in 30 healthy females. Doriguzzi C, et al. **J Neurol Sci** 1984 Nov–Dec;66(2–3):319–26

Lobulated fibers in neuromuscular diseases. Guerard MJ, et al. **J Neurol Sci** 1985 Jul;69(3):345–56

Chronic myopathy induced by repeated bupivacaine injections. Sadeh M, et al. **J Neurol Sci** 1985 Feb; 67(2):229–38

Muscle fibre type differentiation and satellite cell population in Werdnig–Hoffmann disease. Saito Y. **J Neurol Sci** 1985 Apr;68(1):75–87

Calf enlargement from S–1 radiculopathy. Report of two cases. Cooper WH, et al. **J Neurosurg** 1985 Mar;62(3):442–4

An evaluation of muscle pathology in idiopathic scoliosis. Gonyea WJ, et al. **J Pediatr Orthop** 1985 May–Jun; 5(3):323–9

Neonatal gangrene in the newborn infant of a diabetic mother. Hsi AC, et al. **J Pediatr Orthop** 1985 May–Jun; 5(3):358–60

Muscle pathology in primary fibromyalgia syndrome: a light microscopic, histochemical and ultrastructural study. Kalyan–Raman UP, et al. **J Rheumatol** 1984 Dec; 11(6):808–13

Identification of nonviable muscle in electric burns with nitroblue tetrazolium. Hunt JL, et al. **J Surg Res** 1984 Nov; 37(5):369–75

Measure of tissue resistivity in experimental electrical burns. Chilbert M, et al. **J Trauma** 1985 Mar;25(3):209–15

Skin and muscle necrosis during heparin–dihydroergotamine prophylaxis [letter] Monreal M, et al. **Lancet** 1984 Oct 6; 2(8406):820

Enhanced T1 differentiation between normal and dystrophic muscles. Misra LK, et al. **Magn Reson Imaging** 1984; 2(1):33–5

Evaluation of muscle degeneration in inherited muscular dystrophy by nuclear magnetic resonance techniques. Misra LK, et al. **Magn Reson Imaging** 1982;1(2):75–9

Unaltered aerobic power and endurance following glucocorticoid–induced muscle atrophy. Capaccio JA, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):380–4

Studies of kidney and muscle biopsy specimens from identical twins discordant for type I diabetes mellitus. Steffes MW, et al. **N Engl J Med** 1985 May 16;312(20):1282–7

Local histopathological reactions to aluminum–adsorbed tetanus toxoid. Goto N, et al. **Naturwissenschaften** 1984 Aug;71(8):427–8

The Popeye syndrome––brachial artery entrapment as a result of muscular hypertrophy. Biemans RG.

Neth J Surg 1984 Aug;36(4):103–6

Lafora's disease: peroxisomal storage in skeletal muscle. Carpenter S, et al. **Neurology** 1974 Jun;24(6):531–8

Freeze-fracture analysis of the muscle fiber plasma membrane in Duchenne dystrophy. Peluchetti D, et al. **Neurology** 1985 Jun;35(6):928–30

Bovine glycogenosis type II. Biochemical and morphological characteristics of skeletal muscle in culture. Di Marco PN, et al. **Neuropathol Appl Neurobiol** 1984 Sep–Oct; 10(5):379–95

The effect of age on biochemical and morphological changes in the semitendinosus muscle of cattle with generalized glycogenosis type II. Howell JM, et al. **Neuropathol Appl Neurobiol** 1984 Jul–Aug;10(4):255–66

The fate of proliferating cells in skeletal muscle after denervation or tenotomy: an autoradiographic study. McGeachie JK. **Neuroscience** 1985 Jun;15(2):499–506

Vertebral artery occlusion at the narrowed 'scalenovertebral angle': mechanical vertebral occlusion in the distal first portion. Kojima N, et al. **Neurosurgery** 1985 May; 16(5):672–4

Histological and histochemical observations on the muscular lesions in a newborn calf with hydranencephaly. Taniyama H, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):151–5

Myopathic skeletal muscle fiber abnormalities in cardiomyopathies of childhood. Landing BH, et al. **Pediatr Pathol** 1983 Apr–Jun;1(2):137–43

A cytophotometric and karyometric study of the cardiac muscle cells of young rats exposed to intermittent high altitude hypoxia. Arefyeva AM, et al. **Physiol Bohemoslov** 1985;34(1):94–6

The role of calcium-dependent proteinase in molt-induced claw muscle atrophy. Mykles DL, et al. **Prog Clin Biol Res** 1985;180:141–50

Histopathological changes caused by venom of urutu snake (Bothrops alternatus) in mouse skeletal muscle. Queiroz LS, et al. **Rev Inst Med Trop Sao Paulo** 1984 Sep–Oct; 26(5):247–53

Needle biopsy of skeletal muscle using suction. Greig PD, et al. **Surg Gynecol Obstet** 1985 May;160(5):466–8

Polymyositis-polyradiculitis due to toxoplasmosis in the dog: serology and tissue biopsy as diagnostic aids. Suter MM, et al. **Zentralbl Veterinarmed [A]** 1984 Dec;31(10):792–8

[Muscle biopsy in polymyositis; report of 20 cases] Guo YP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug;6(4):261–3 (Eng. Abstr.) **(Chi)**

[Secondary myopathy in Werdnig-Hoffman disease] Vojáček K, et al. **Bratisl Lek Listy** 1984 Oct;82(4):1250–7 (Eng. Abstr.) **(Cze)**

[Improvement of the technic of needle biopsy of muscles] Havlíčková L. **Cas Lek Cesk** 1985 Jan 11;124(2):57–8 (Eng. Abstr.) **(Cze)**

[Does the brain influence the muscular development of the human fetus? Evidence in 21 cases] Sarnat HB. **Can J Neurol Sci** 1985 May;12(2):111–20 (Eng. Abstr.) **(Fre)**

[Effect of the serum of a patient affected by myeloma with diffuse muscular hypertrophy on the growth of human muscle cells in vitro] Delaporte C, et al. **Rev Neurol (Paris)** 1985;141(2):109–19 (Eng. Abstr.) **(Fre)**

[Acridine orange: a fluorochrome of nucleic acids for the study of muscle and nerve cells] Sarnat HB. **Rev Neurol (Paris)** 1985;141(2):120–7 (Eng. Abstr.) **(Fre)**

[Characteristic morphological changes of the M. vastus lateralis in gonarthrosis (gonarthromuscular tissue pattern)] Ziegan J, et al. **Beitr Orthop Traumatol** 1985 Jan;32(1):26–9 (Eng. Abstr.) **(Ger)**

[Motor unit potentials of the biceps muscle in comparing right and left parameters in right-handed subjects] Lempe V, et al. **EEG EMG** 1984 Sep;15(3):159–62 (Eng. Abstr.) **(Ger)**

[Diagnostic significance of muscle biopsies in metabolic myopathies. I. Myopathology] Pongratz D, et al. **Klin Wochenschr** 1984 Jul 2;62(13):603–12 (Eng. Abstr.) **(Ger)**

[Histochemical-morphometric studies of skeletal muscles in advanced arterial circulation disorders of the extremities] Dietzmann K, et al. **Zentralbl Allg Pathol** 1984; 129(4):299–305 (Eng. Abstr.) **(Ger)**

[Myopathy of congenital fiber type disproportion. Description of a clinical case] Millefiorini E, et al. **Riv Neurol** 1984 Nov–Dec;54(6):383–9 (Eng. Abstr.) **(Ita)**

[Early morphological changes in the developments of the striated muscles of normal and dystrophic chickens. The quantitative histological and histochemical studies] Ishimoto S. **Fukuoka Igaku Zasshi** 1985 Jan;76(1):10–27 (Eng. Abstr.) **(Jpn)**

[A study of neuromuscular disorders in type III glycogenosis (Cori-Forbes disease)] Yamane K, et al. **Rinsho Shinkeigaku** 1984 May;24(5):453–62 (Eng. Abstr.) **(Jpn)**

[Neuroleptic malignant syndrome and hydrocephalus in a patient with Huntington's chorea, accompanied by nemaline rods in biopsied muscle] Yanagisawa K, et al. **Rinsho Shinkeigaku** 1985 May;25(5):536–42 (Eng. Abstr.) **(Jpn)**

[Local atrophy following injection of depot corticosteroid] Haye R, et al. **Tidsskr Nor Laegeforen** 1984 Aug 20; 104(23):1532–3 (Eng. Abstr.) **(Nor)**

[Muscular hypertrophy in denervation: report of 2 cases with a histochemical and histometric study of normal and hypertrophic muscles] Werneck LC, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):251–61 (Eng. Abstr.) **(Por)**

[Ischemic diseases of the lower limbs] Permiakov NK, et al. **Arkh Patol** 1985;47(2):5–16 (Eng. Abstr.) **(Rus)**

[Pathological anatomy of the myorenal syndrome in the light of current methods of treatment] Zimina LN. **Arkh Patol** 1985;47(2):44–51 (Eng. Abstr.) **(Rus)**

[Morphological characteristics of the changes in the skeletal muscle tissue in acute experimental ischemia of the extremities] Savel'ev VS, et al. **Biull Eksp Biol Med** 1985 May;99(5):613–6 (Eng. Abstr.) **(Rus)**

[Muscle fibers of pigs sensitive to halothane and resistant to it] Uhrín V, et al. **Vet Med (Praha)** 1985 Apr;30(4):217–30 (Eng. Abstr.) **(Slo)**

[Use of the muscle biopsy in the diagnosis of Reye's syndrome] Gamboa-Marrufo JD, et al. **Bol Med Hosp Infant Mex** 1985 Jun;42(6):348–53 (Eng. Abstr.) **(Spa)**

[Clinico-pathologic correlation of muscular involvement in hypothyroid patients before and after treatment] Bahillo del Río MT, et al. **Med Clin (Barc)** 1984 Nov 24; 83(17):697–701 (Eng. Abstr.) **(Spa)**

[Muscular pathology in patients with chronic alcohol consumption] Urbano-Márquez A, et al. **Med Clin (Barc)** 1985 Apr 30;84(16):643–6 (Eng. Abstr.) **(Spa)**

[The micronecrotic effect of the venom of Aphonopelma seemanni (Araneae: Theraphosidae) of Costa Rica in the white mouse] Herrero MV, et al. **Rev Biol Trop** 1984 Jun; 32(1):173–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

A new method for measuring motor block in the lower extremities. Axelsson K, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):72–8

Are two muscles needed for the normal functioning of the mammalian middle ear? Howell P. **Acta Otolaryngol (Stockh)** 1984 Sep–Oct;98(3–4):204–7

Regulatory mechanisms of the phasic respiratory activity in cricothyroid muscle. Dejonckere PH, et al. **Acta Otorhinolaryngol Belg** 1984;38(6):579–85

Role of the nervous system in regulation of the sarcoplasmic membrane function in different muscle fibres. Heiner L, et al. **Acta Physiol Hung** 1984;64(2):129–33

Absence of plateau of the sarcomere length-tension relation in frog muscle fibres. Edman KA, et al. **Acta Physiol Scand** 1984 Oct;122(2):213–6

Fully rectified, integrated, band (FRIB-) EMG analysis in quantifying muscle activity. Development of a new field equipment. Remes A, et al. **Acta Physiol Scand [Suppl]** 1984; 537:65–70

Lysosomal changes in skeletal muscles during the repair of exercise injuries in muscle fibers. Salminen A. **Acta Physiol Scand [Suppl]** 1985;539:1–31

Gene expression in muscle. **Adv Exp Med Biol** 1985;182:1–434

Muscle gene expression in heterokaryons. Blau HM, et al. **Adv Exp Med Biol** 1985;182:231–47

The actin and myosin multigene families. Buckingham M, et al. **Adv Exp Med Biol** 1985;182:333–44

Recombinant DNA approaches in the investigation of muscle gene expression. Introduction. Epstein HF. **Adv Exp Med Biol** 1985;182:283–5

Gene expression in muscle. Summary and synthesis. Howell RR. **Adv Exp Med Biol** 1985;182:359–61

Expression of isoforms from cloned skeletal and cardiac actin genes. Kedes LH. **Adv Exp Med Biol** 1985;182:309–32

Myosin expression during regeneration and in denervated skeletal muscle. Strohman RC, et al. **Adv Exp Med Biol** 1985;182:259–63

Myosin isozyme transitions in developing and regenerating rat muscle. Whalen RG, et al. **Adv Exp Med Biol** 1985; 182:249–57

The chromosomal assignment of muscle-specific genes. Yaffe D, et al. **Adv Exp Med Biol** 1985;182:295–307

Muscle strength and anthropometric indices in elderly men and women. Pearson MB, et al. **Age Ageing** 1985 Jan; 14(1):49–54

The effects of age on muscle strength and anthropometric indices within a group of elderly men and women. Pearson MB, et al. **Age Ageing** 1985 Jul;14(4):230–4

Three-dimensional dynamic strength measuring device: a prototype. Mital A, et al. **Am Ind Hyg Assoc J** 1984 Dec; 45(12):B9–10, B12

Simple method for measurement of lower extremity muscle strength. Csuka M, et al. **Am J Med** 1985 Jan;78(1):77–81

Effect of myoelectric signal processing on the relationship between muscle force and processed EMG. Siegler S, et al. **Am J Phys Med** 1985 Jun;64(3):130–49

Duration of muscle activity during standing in normally and slowly developing children. Williams HG, et al. **Am J Phys Med** 1985 Aug;64(4):171–89

Contribution of BAT and skeletal muscle to thermogenesis induced by ephedrine in man. Astrup A, et al. **Am J Physiol** 1985 May;248(5 Pt 1):E507–15

Insulin increases thermogenesis in rat skeletal muscle following exercise. Balon TW, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E148–51

Energy sources in fully aerobic rest-work transitions: a new role for glycolysis. Connett RJ, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H922–9

Influence of aerobic metabolism on IMP accumulation in fast-twitch muscle. Dudley GA, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C37–42

Some consequences of body size. Ford LE. **Am J Physiol** 1984 Oct;247(4 Pt 2):H495–507

Dissociation of effects of insulin and contraction on glucose transport in rat epitrochlearis muscle. Nesher R, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C226–32

Oscillatory temperature response to constant power applied to canine muscle. Roemer RB, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):R153–8

Temperature-dependent physiological stability of rat skeletal muscle in vitro. Segal SS, et al. **Am J Physiol** 1985 Mar; 248(3 Pt 1):C265–70

Muscle metabolism and performance in perfused rat hindquarter during heavy exercise. Spriet LL, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C109–18

Myosin phosphorylation in permeabilized rabbit psoas fibers. Sweeney HL, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C362–5

Interstitial compliance and transcapillary Starling pressures in cat skin and skeletal muscle. Wiig H, et al. **Am J Physiol** 1985 May;248(5 Pt 2):H666–73

Improvement of muscle flexibility. A comparison between two techniques. Wallin D, et al. **Am J Sports Med** 1985 Jul–Aug;13(4):263–8

Effect of protective padding on forelimb intracompartmental muscle pressures in anesthetized horses. Lindsay WA, et al. **Am J Vet Res** 1985 Mar;46(3):688–91

Evaluation of the wick catheter as used to measure intracompartmental muscle pressure in equine muscle. McDonell WN, et al. **Am J Vet Res** 1985 Mar;46(3):684–7

What muscle is responsible for lateral pharyngeal wall movement? Isshiki N, et al. **Ann Plast Surg** 1985 Mar; 14(3):224–7

Muscle regeneration induced by cells autografted in adult rats. Ghins E, et al. **Arch Int Physiol Biochim** 1985 Jun; 93(2):143–53

Tonic facilitatory influences of dorsal pontine reticular structures on the response gain of limb extensors to sinusoidal labyrinth and neck stimulations. D'Ascanio P, et al. **Arch Ital Biol** 1985 May;123(2):101–32

Tonic inhibitory influences of locus coeruleus on the response gain of limb extensors to sinusoidal labyrinth and neck stimulations. D'Ascanio P, et al. **Arch Ital Biol** 1985 May; 123(2):69–100

The postauricular myogenic response in normal children and children with microtia. Takagi N, et al. **Arch Otorhinolaryngol** 1984;241(1):95–100

Electromyographic kinesiology of lower extremity muscles during slope walking. Tokuhiro A, et al. **Arch Phys Med Rehabil** 1985 Sep;66(9):610–3

Changes of posture during transient perturbations in microgravity. Clément G, et al. **Aviat Space Environ Med** 1985 Jul;56(7):666–71

Response to muscular exercise following repeated simulated weightlessness. Convertino VA, et al. **Aviat Space Environ Med** 1985 Jun;56(6):540–6

The effectiveness of specific weight training regimens on simulated aerial combat maneuvering G tolerance. Epperson WL, et al. **Aviat Space Environ Med** 1985 Jun; 56(6):534–9

Tolerance of the human cervical spine to high acceleration: a modelling approach. Helleur C, et al. **Aviat Space Environ Med** 1984 Oct;55(10):903–9

Cardiovascular responses to isometric neck muscle contractions: results after dynamic exercise with various headgear loading configurations. Phillips CA, et al. **Aviat Space Environ Med** 1984 Aug;55(8):740–5

Function of ribosomes and glutamyl-tRNA isoacceptors in protein synthesis in regenerating skeletal muscle. Jones GH. **Biochim Biophys Acta** 1985 Apr 19;824(4):324–9

An analysis of extracellular single muscle fibre action potential field--modelling results. Miller-Larsson A. **Biol Cybern** 1985;51(4):271–84

The transducer and encoder of frog muscle spindles are essentially nonlinear. Physiological conclusions from a white-noise analysis. Pöpel B, et al. **Biol Cybern** 1984; 51(1):21–32

The effects of motor unit synchronization on the power spectrum of the electromyogram. Weytjens JL, et al. **Biol Cybern** 1984;51(2):71–7

Donnan potentials from striated muscle liquid crystals. A-band and I-band measurements. Aldoroty RA, et al. **Biophys J** 1984 Dec;46(6):769–79

Analysis of lumped and distributed elements models of cut muscle fibers in vaseline or sucrose gap preparations. Andrietti F, et al. **Biophys J** 1984 Nov;46(5):625–30

Segmented and 'equivalent' representation of the cable equation. Andrietti F, et al. **Biophys J** 1984 Nov; 46(5):615–23

Donnan potentials from the A- and I-bands of glycerinated and chemically skinned muscles, relaxed and in rigor. Bartels EM, et al. **Biophys J** 1985 Jul;48(1):61–76

The active cross-bridge motions of isolated thick filaments from myosin-regulated muscles detected by quasi-elastic light scattering. Fan SF, et al. **Biophys J** 1985 Jun; 47(6):809–21

On the mechanism of muscular contraction. Førland T. **Biophys J** 1985 May;47(5):665–71

Localization of the parallel elastic components in frog skinned muscle fibers studied by the dissociation of the

A- and I-bands. Higuchi H, et al. **Biophys J** 1985 Jul; 48(1):137-47

Donnan potentials in rabbit psoas muscle in rigor. Naylor GR, et al. **Biophys J** 1985 Jul;48(1):47-59

Constitutive equations of skeletal muscle based on cross-bridge mechanism. Tözeren A. **Biophys J** 1985 Feb; 47(2 Pt 1):225-36

Time-resolved x-ray diffraction studies on the intensity changes of the 5.9 and 5.1 nm actin layer lines from frog skeletal muscle during an isometric tetanus using synchrotron radiation. Wakabayashi K, et al. **Biophys J** 1985 Jun;47(6):847-50

Distribution of mass in relaxed frog skeletal muscle and its redistribution upon activation. Yu LC, et al. **Biophys J** 1985 Mar;47(3):311-21

A macroscopic description of stress relaxation in a muscle subject to stepwise deformation. Timanin EM. **Biorheology** 1984;21(6):799-808

Hydrostatic pressure modifies the action of octanol and atropine on frog endplate conductance. Ashford ML, et al. **Br J Pharmacol** 1984 Oct;83(2):477-84

Actions of dihydroavermectin B1a on insect muscle. Duce IR, et al. **Br J Pharmacol** 1985 Jun;85(2):395-401

Musculus uvulae and levator palati: their anatomical and functional relationship in velopharyngeal closure. Boorman JG, et al. **Br J Plast Surg** 1985 Jul;38(3):333-8

The intra-uterine healing of foetal muscle wounds: experimental study in the rat. Rowsell AR. **Br J Plast Surg** 1984 Oct;37(4):635-42

Strength training and cross-sectional area of muscles [letter] Young A. **Br J Sports Med** 1985 Mar;19(1):48

A new in vitro microsuperfusion technique for investigation of human detrusor muscle. Palfrey EL, et al. **Br J Urol** 1984 Dec;56(6):635-40

Kinematic and EMG reactions to imposed interlimb phase alterations during bipedal cycling. Boylls CC, et al. **Brain Res** 1984 Dec 24;324(2):342-5

Motor unit recruitment and firing rates interaction in the control of human muscles. Broman H, et al. **Brain Res** 1985 Jul 1;337(2):[illegible]1-9

Peripheral inputs and early unit activity in area 5 of the monkey during a trained forelimb movement. Burbaud P, et al. **Brain Res** 1985 Jul 1;337(2):341-6

Three cholinergic neuroblastoma hybrid cell lines that form few synapses on myotubes are deficient in acetylcholine receptor aggregation molecules and large dense core vesicles. Busis NA, et al. **Brain Res** 1984 Dec 24; 324(2):201-10

The participation of forelimb flexors in labyrinth and neck reflexes in the decerebrate cat. Conway BA, et al. **Brain Res** 1984 Nov 19;322(1):148-51

Determination of excitability in human proprioceptive reflexes: analysis and characteristics of EMG thresholds of postural muscle. Davies TW, et al. **Brain Res** 1985 Jul 22;339(1):19-26

Forelimb responses to cutaneous nerve stimulation during locomotion in intact cats. Drew T, et al. **Brain Res** 1985 Mar 11;329(1-2):323-8

Functional properties of newly inserted acetylcholine receptors in embryonic Xenopus muscle cells. Greenberg AS, et al. **Brain Res** 1985 Apr;351(2):289-96

'Fusimotor set': new evidence for alpha-independent control of gamma-motoneurones during movement in the awake cat. Prochazka A, et al. **Brain Res** 1985 Jul 22;339(1):136-40

Recruitment patterns in the rat hindlimb muscle during swimming. Roy RR, et al. **Brain Res** 1985 Jun 24; 337(1):175-8

Motor cortical neuronal activity patterns in monkeys performing several force tasks at the ankle. Sahrmann SA, et al. **Brain Res** 1984 Sep 17;310(1):55-66

Inhibition of acetylcholine receptor synthesis by conditioned medium of electrically stimulated muscle cultures. Shainberg A, et al. **Brain Res** 1984 Aug 13;308(2):373-6

Maximal oxygen uptake during exercise using trained or untrained muscles. Moreira-da-Costa M, et al. **Braz J Med Biol Res** 1984;17(2):197-202

Actions of the respiratory muscles or how the chest wall moves in upright man. De Troyer A. **Bull Eur Physiopathol Respir** 1984 Sep-Oct;20(5):409-13

Respiratory muscle testing. Green M. **Bull Eur Physiopathol Respir** 1984 Sep-Oct;20(5):433-5

A layman's view on respiratory muscles. Lockhart A. **Bull Eur Physiopathol Respir** 1984 Sep-Oct;20(5):395-7

Respiratory muscle fatigue--aspects of detection and treatment. Moxham J. **Bull Eur Physiopathol Respir** 1984 Sep-Oct;20(5):437-44 (66 ref.)

Adaptation of skeletal muscles to training. Secher NH, et al. **Bull Eur Physiopathol Respir** 1984 Sep-Oct;20(5):453-7

A method of measuring the conduction velocity of action potentials in a statically loaded muscle. Droszcz J. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):165-71

The characteristics method applied to the study of muscle dynamics. Avanzolini G, et al. **Bull Math Biol** 1984; 46(5-6):827-44

Isokinetic strength and endurance and muscle fiber type of elite oarswomen. Clarkson PM, et al. **Can J Appl Sport Sci** 1984 Sep;9(3):127-32

The acquisition of muscular strength: the influence of training velocity and initial VO2 max. Petersen SR, et al. **Can J Appl Sport Sci** 1984 Dec;9(4):176-80

Effects of tetrodotoxin-induced disuse on properties of developing rat gastrocnemius muscle. Lapointe MA, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1106-11

Ketamine: evidence of tissue specific inhibition of neuronal and extraneuronal catecholamine uptake processes. Lundy PM, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):298-303

Protein synthesis in compensatory hypertrophy of rat plantaris. Noble EG, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1178-82

Transforming skeletal muscle for myocardial assist: a feasibility study. Brister S, et al. **Can J Surg** 1985 Jul; 28(4):341-4

Acetylcholinesterase and nerve axon formation during muscle regeneration in rats. Oron U. **Cell Mol Biol** 1984; 30(4):411-6

Inspiratory muscle conditioning using a threshold loading device. Clanton TL, et al. **Chest** 1985 Jan;87(1):62-6

Function and fatigue of respiratory muscles. Roussos C. **Chest** 1985 Aug;88(2 Suppl):124S-132S (40 ref.)

Minimum muscular fitness of urban Tswana children. Corlett JT. **Child Care Health Dev** 1985 Jan-Feb;11(1):37-43

Abductor muscle performance in total hip arthroplasty with and without trochanteric osteotomy. Radiographic and mechanical analyses. Borja F, et al. **Clin Orthop** 1985 Jul-Aug;(197):181-90

Intracast muscle stimulation prevents bone and cartilage deterioration in cast-immobilized rabbits. Burr DB, et al. **Clin Orthop** 1984 Oct;(189):264-78

The function of the anconeus muscle. Gleason TF, et al. **Clin Orthop** 1985 Jan-Feb;(192):147-8

Monitoring acute compartment pressures with the S.T.I.C. catheter. McDermott AG, et al. **Clin Orthop** 1984 Nov; (190):192-8

Shoulder motion and muscle strength of normal men and women in two age groups. Murray MP, et al. **Clin Orthop** 1985 Jan-Feb;(192):268-73

Skeletal muscle function in man: force, relaxation rate, endurance and contraction time-dependence on sex and age. Lennmarken C, et al. **Clin Physiol** 1985 Jun;5(3):243-55

The respiratory muscles. Green M, et al. **Clin Sci** 1985 Jan; 68(1):1-10 (86 ref.)

Inward rectification in muscle fibres of the toad Bufo marinus. González M, et al. **Comp Biochem Physiol [A]** 1985;81(3):619-25

The role of proctolin and glutamate in the excitation-contraction coupling of insect visceral muscle. Cook BJ, et al. **Comp Biochem Physiol [C]** 1985;80(1):65-73

Hormones and the barnacle muscle fiber as a preparation. Hager SR, et al. **Comp Biochem Physiol [C]** 1985; 81(2):247-52

Tendon adaptation to different long term stresses and collagen reticulation in soleus muscle. Blanchard O, et al. **Connect Tissue Res** 1985;13(3):261-7

Myoelectrical manifestations of localized muscular fatigue in humans. De Luca CJ. **Crit Rev Biomed Eng** 1984; 11(4):251-79 (146 ref.)

Enhanced reappearance of fast fibers in regenerating crayfish claw closer muscles. Govind CK, et al. **Dev Biol** 1985 Jan; 107(1):206-12

The relationship between mean power frequency of the EMG spectrum and muscle fibre conduction velocity. Arendt-Nielsen L, et al. **Electroencephalogr Clin Neurophysiol** 1985 Feb;60(2):130-4

Turns analysis (peak ratio) in EMG using the mean amplitude as a substitute of force measurement. Fuglsang-Frederiksen A, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar; 60(3):225-7

The flexor reflex--influence of stimulus parameters on the reflex response. Meinck HM, et al. **Electroencephalogr Clin Neurophysiol** 1985 Oct; 61(4):287-98

Surface EMG profiles during different walking cadences in humans. Yang JF, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jun; 60(6):485-91

Electromyographic study of the rectus abdominis and external oblique muscles during exercises. Bankoff AD, et al. **Electromyogr Clin Neurophysiol** 1984 Aug-Sep; 24(6):501-10

Some results on the optimization of a digital processor for surface EMG signals. D'Alessio T. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec; 24(7):625-43

Simultaneous EMG of biceps femuralis, semimembranous and semitendinous muscles in the flexion movement, in ergometric bicycle. Jose JL, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec;24(7):561-9

Electromyographic study of the trapezius (pars superior) and levator scapulae muscles in circumduction and pendular oscilation of the arm. Longo Bull M, et al. **Electromyogr Clin Neurophysiol** 1984 Aug-Sep;24(6):511-9

Electromyographic study of the M. serratus anterior during respiration. Machado de Sousa O, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec; 24(7):547-59

Cross-correlation and cross-talk in surface electromyography. Morrenhof JW, et al. **Electromyogr Clin Neurophysiol** 1985 Jan-Feb;25(1):73-9

Mathematical modelling of the changes in the parameters of the action potential of frog muscle fibre at different temperatures. Stephanova D, et al. **Electromyogr Clin Neurophysiol** 1985 May-Jun; 25(4):223-32

An electromyographic study of the lumbar multifidus in man. Valencia FP, et al. **Electromyogr Clin Neurophysiol** 1985 May-Jun;25(4):205-21

Trunk posture and load on the trapezius muscle whilst sitting at sloping desks. Bendix T, et al. **Ergonomics** 1984 Aug; 27(8):873-82

Muscle fatigue associated with repetitive arm lifts: effects of height, weight and reach. Habes D, et al. **Ergonomics** 1985 Feb;28(2):471-88

Sleep deprivation, chronic exercise and muscular performance. Takeuchi L, et al. **Ergonomics** 1985 Mar; 28(3):591-601

A kinesiologic study of erectores spinae activity during trunk flexion and extension. Tanii K, et al. **Ergonomics** 1985 Jun; 28(6):883-93

A study by EMG stick diagrams of the muscular activities in the trunk flexion and extension movement. Tanii K, et al. **Ergonomics** 1985 Jun;28(6):895-904

Actin and myosin multigene families: their expression during the formation of skeletal muscle. Buckingham ME. **Essays Biochem** 1985;20:77-109 (98 ref.)

The force-velocity relationship of arm flexion in untrained males and females and arm-trained athletes. de Koning FL, et al. **Eur J Appl Physiol** 1985;54(1):89-94

Force kinetics and oxygen consumption during bicycle ergometer work in racing cyclists and reference-group. Künstlinger U, et al. **Eur J Appl Physiol** 1985;54(1):58-61

The flexor function of the m. pronator teres in man: a quantitative electromyographic study. Thepaut-Mathieu C, et al. **Eur J Appl Physiol** 1985;54(1):116-21

The influence of extra load on the mechanical behavior of skeletal muscle. Bosco C, et al. **Eur J Applied Physiol** 1984; 53(2):149-54

Training effects on muscle fatigue in man. Duchateau J, et al. **Eur J Applied Physiol** 1984;53(3):248-52

The interrelationship between blood pressure, intramuscular pressure, and isometric endurance in fast and slow twitch skeletal muscle in the cat. Petrofsky JS, et al. **Eur J Applied Physiol** 1984;53(2):106-11

Isokinetic strength in weight-trainers. Sale DG, et al. **Eur J Applied Physiol** 1984;53(2):128-32

A method for electromyographic analysis of muscular contraction frequencies. Winkel J, et al. **Eur J Applied Physiol** 1984;53(2):112-7

The mechanical properties of human muscle. Chapman AE. **Exerc Sport Sci Rev** 1985;13:443-501 (189 ref.)

Energetic aspects of skeletal muscle contraction: implications of fiber types. Rall JA. **Exerc Sport Sci Rev** 1985;13:33-74 (130 ref.)

Biomechanics of running. Williams KR. **Exerc Sport Sci Rev** 1985;13:389-441 (200 ref.)

The distal hindlimb musculature of the cat. Patterns of normal use. Abraham LD, et al. **Exp Brain Res** 1985;58(3):583-93

The distal hindlimb musculature of the cat. Cutaneous reflexes during locomotion. Abraham LD, et al. **Exp Brain Res** 1985;58(3):594-603

Visual and vestibular contributions to pitch sway stabilization in the ankle muscles of normals and patients with bilateral peripheral vestibular deficits. Allum JH, et al. **Exp Brain Res** 1985;58(1):82-94

Motor behavior underlying the control of an upside-down vertical posture. Clément G, et al. **Exp Brain Res** 1985; 59(3):478-84

Adaptation of postural control to weightlessness. Clément G, et al. **Exp Brain Res** 1984;57(1):61-72

Modulation by horizontal eye position of the vestibulo-collic reflex induced by tilting in the frontal plane in the alert cat. Darlot C, et al. **Exp Brain Res** 1985;58(3):510-9

Cerebral potentials and leg muscle e.m.g. responses associated with stance perturbation. Dietz V, et al. **Exp Brain Res** 1985;57(2):348-54

Isometric torque-angle relationship and movement-related activity of human elbow flexors: implications for the equilibrium-point hypothesis. Hasan Z, et al. **Exp Brain Res** 1985;59(3):441-50

Task-related coding of stimulus and response in cat motor cortex. Martin JH, et al. **Exp Brain Res** 1985;57(3):427-42

Autogenetic reflex action in tibialis anterior compared with that in soleus muscle in the decerebrate cat. Nichols TR. **Exp Brain Res** 1985;59(2):232-41

Myoelectric response of the human triceps brachii to displacement-controlled oscillations of the forearm. Zahalak GI, et al. **Exp Brain Res** 1985;58(2):305-17

Repair mechanisms involved in muscle regeneration following partial excision of the rat gastrocnemius muscle. Roth D, et al. **Exp Cell Biol** 1985;53(2):107-14

Changes in the cholinergic system of rat sciatic nerve and skeletal muscle following suspension-induced disuse. Gupta RC, et al. **Exp Neurol** 1985 Sep;89(3):622-33

Quantitative evaluation of electromyogram activity in rat extensor and flexor muscles immobilized at different lengths. Hník P, et al. **Exp Neurol** 1985 Jun;88(3):515-28

Dynamic properties of fiber bundles from the rat sternomastoid muscle. Luff AR. **Exp Neurol** 1985 Sep; 89(3):491-502

Electromechanical changes during electrically induced and maximal voluntary contractions: surface and intramuscular EMG responses during sustained maximal voluntary contraction. Moritani T, et al. **Exp Neurol** 1985 Jun; 88(3):484-99

Electromechanical changes during electrically induced and maximal voluntary contractions: electrophysiologic responses of different muscle fiber types during stimulated contractions. Moritani T, et al. **Exp Neurol** 1985 Jun;88(3):471–83

Muscle fiber transformation in capsaicin-treated rats. Müntener M. **Exp Neurol** 1985 Apr;88(1):205–14

Distribution of the human jaw stretch reflex response elicited by percutaneous, localized stretch of jaw-closing muscles. Smith A, et al. **Exp Neurol** 1985 Jun;88(3):544–61

Ca2+ in biological systems. Ebashi S. **Experientia** 1985 Aug 15;41(8):978–81 (28 ref.)

Phorbol ester inhibits myoblast fusion and activates beta-adrenergic receptor coupled adenylate cyclase. Sulakhe PV, et al. **FEBS Lett** 1985 Jul 8;186(2):281–5

A descriptive study of the relationship of intraoral air pressure to EMG activity of the levator palatini during CV syllables. Ashley MJ, et al. **Folia Phoniatr (Basel)** 1985;37(2):66–74

H-reflex waveform and latency variability in rats. Mattsson JL, et al. **Fundam Appl Toxicol** 1984 Dec;4(6):944–8

Mechanical activity of muscular 'patch pouches' from cat and rabbit stomachs. Schulze-Delrieu K, et al. **Gastroenterology** 1985 Apr;88(4):1012–9

Effect of electrical stimulation on healthy skeletal muscles. Sumida Y. **Hiroshima J Med Sci** 1984 Mar;33(1):35–46

Normal and impaired development of children's gait. Berger W, et al. **Hum Neurobiol** 1984;3(3):163–70

Factors affecting maximal momentary grip strength. Martin S, et al. **Hum Nutr Clin Nutr** 1985 Mar;39(2):137–47

Muscular working capacity in boys aged 13–14 years. Korol' VM, et al. **Hum Physiol** 1983 Nov–Dec;9(6):391–5

An approach to control laws for arm motion. Ailon A, et al. **IEEE Trans Biomed Eng** 1984 Sep;31(9):605–10

A note on the noninvasive estimation of muscle fiber conduction velocity. Broman H, et al. **IEEE Trans Biomed Eng** 1985 May;32(5):341–4

Muscle fatigue monitor (MFM): second generation. Gilmore LD, et al. **IEEE Trans Biomed Eng** 1985 Jan;32(1):75–8

Polarity correlator for conduction velocity measurement. Graham AJ, et al. **IEEE Trans Biomed Eng** 1984 Oct;31(10):675–9

Multiterm Debye dispersion relations for permittivity of muscle. Hurt WD. **IEEE Trans Biomed Eng** 1985 Jan;32(1):60–4

Effect of high-frequency current on nerve and muscle tissue. Lacourse JR, et al. **IEEE Trans Biomed Eng** 1985 Jan;32(1):82–6

On-line monitoring of the median frequency of the surface EMG power spectrum. Merletti R, et al. **IEEE Trans Biomed Eng** 1985 Jan;32(1):1–7

Failure of the respiratory muscle pump. Moxham J. **Int Anesthesiol Clin** 1984 Winter;22(4):165–81 (28 ref.)

Biochemical basis of muscular fatigue associated with repetitious contractions of skeletal muscle. Belcastro AN, et al. **Int J Biochem** 1985;17(4):447–53 (53 ref.)

Grading of muscle power: comparison of MRC and analogue scales by physiotherapists. Medical Research Council. John J. **Int J Rehabil Res** 1984;7(2):173–81

Role of mono- and biarticular muscles in explosive movements. Gregoire L, et al. **Int J Sports Med** 1984 Dec;5(6):301–5

Muscle strength and flexibility in different positions of soccer players. Oberg B, et al. **Int J Sports Med** 1984 Aug;5(4):213–6

Muscle morphology and metabolic potential in elite road cyclists during a season. Sjøgaard G. **Int J Sports Med** 1984 Oct;5(5):250–4

Histochemical and metabolic changes in lower leg muscles in exercise-induced pain. Wallensten R, et al. **Int J Sports Med** 1984 Aug;5(4):202–8

Some new aspects of the functional anatomy of the shoulder. Celli L, et al. **Ital J Orthop Traumatol** 1985 Mar;11(1):83–91

Laryngeal muscles and articulatory control. Löfqvist A, et al. **J Acoust** Soc **Am** 1984 Sep;76(3):951–4

Evidence for ultrasonic finite-amplitude distortion in muscle using medical equipement. Starritt HC, et al. **J Acoust Soc Am** 1985 Jan;77(1):302–6

Connective tissue changes and physical properties of developing and ageing skeletal muscle. Alnaqeeb MA, et al. **J Anat** 1984 Dec;139 (Pt 4):677–89

Respiratory activity of posterior cricoarytenoid muscle and vocal cords in humans. Brancatisano TP, et al. **J Appl Physiol** 1984 Oct;57(4):1143–9

Mechanical output following muscle stretch in forearm supination against inertial loads. Chapman AE, et al. **J Appl Physiol** 1985 Jul;59(1):78–86

A noninvasive intraoral electromyographic electrode for genioglossus muscle. Doble EA, et al. **J Appl Physiol** 1985 Apr;58(4):1378–82

Electrical and mechanical failures during sustained and intermittent contractions in humans. Duchateau J, et al. **J Appl Physiol** 1985 Mar;58(3):942–7

Muscle performance and metabolism in maximal isokinetic cycling at slow and fast speeds. Jones NL, et al. **J Appl Physiol** 1985 Jul;59(1):132–6

Hypothalamic, rectal, and muscle temperatures in exercising dogs: effect of cooling. Kruk B, et al. **J Appl Physiol** 1985 May;58(5):1444–8

Torque-velocity relationship in isokinetic cycling exercise. McCartney N, et al. **J Appl Physiol** 1985 May;58(5):1459–62

Injury to skeletal muscle fibers of mice following lengthening contractions. McCully KK, et al. **J Appl Physiol** 1985 Jul;59(1):119–26

In vivo 31P-NMR in human muscle: transient patterns with exercise. Molé PA, et al. **J Appl Physiol** 1985 Jul;59(1):101–4

Predictability of skeletal muscle tension from architectural determinations in guinea pig hindlimbs. Powell PL, et al. **J Appl Physiol** 1984 Dec;57(6):1715–21

Pharyngeal airway-stabilizing function of sternohyoid and sternothyroid muscles in the rabbit. Roberts JL, et al. **J Appl Physiol** 1984 Dec;57(6):1790–5

Biochemical and physiological changes in overloaded rat fast- and slow-twitch ankle extensors. Roy RR, et al. **J Appl Physiol** 1985 Aug;59(2):639–46

Single motor unit and fiber action potentials during fatigue. Sandercock TG, et al. **J Appl Physiol** 1985 Apr;58(4):1073–9

Laryngeal influences on breathing pattern and posterior cricoarytenoid muscle activity. Sant'Ambrogio FB, et al. **J Appl Physiol** 1985 Apr;58(4):1298–304

Calcium uptake in mitochondria from different skeletal muscle types. Sembrowich WL, et al. **J Appl Physiol** 1985 Jul;59(1):137–41

Muscle and femoral vein temperatures during short-term maximal exercise in heart failure. Shellock FG, et al. **J Appl Physiol** 1985 Feb;58(2):400–8

Effect of a 42.2-km footrace and subsequent rest or exercise on muscular strength and work capacity. Sherman WM, et al. **J Appl Physiol** 1984 Dec;57(6):1668–73

Cardiorespiratory reflexes from muscles during dynamic and static exercise in the dog. Tallarida G, et al. **J Appl Physiol** 1985 Mar;58(3):844–52

Muscular synergism—I. On criteria for load sharing between synergistic muscles. Dul J, et al. **J Biomech** 1984;17(9):663–73

Knee flexor moments during propulsion in cycling—a creative solution to Lombard's Paradox. Gregor RJ, et al. **J Biomech** 1985;18(5):307–16

Mechanical properties of fast and slow skeletal muscle with special reference to collagen and endurance training. Kovanen V, et al. **J Biomech** 1984;17(10):725–35

Surface EMG and torsion measurements during snow skiing: laboratory and field tests. Louie JK, et al. **J Biomech** 1984;17(10):713–24

Predictions of knee and ankle moments of force in walking from EMG and kinematic data. Olney SJ, et al. **J Biomech** 1985;18(1):9–20

Quantitative calculations of temporomandibular joint reaction forces—I. The importance of the magnitude of the jaw muscle forces. Throckmorton GS, et al. **J Biomech** 1985;18(6):445–52

Quantitative calculations of temporomandibular joint reaction forces—II. The importance of the direction of the jaw muscle forces. Throckmorton GS. **J Biomech** 1985;18(6):453–61

The influence of velocity of length change on tension development in skeletal muscle: model calculations and experimental results. van Kaam FA, et al. **J Biomech** 1984;17(7):501–11

A technique for estimating mechanical work of individual muscles in the cat during treadmill locomotion. Whiting WC, et al. **J Biomech** 1984;17(9):685–94

Dependence of jumping performance on muscle properties when humans use only calf muscles for propulsion. Zajac FE, et al. **J Biomech** 1984;17(7):513–23

Determination of muscle orientations and moment arms. An KN, et al. **J Biomech Eng** 1984 Aug;106(3):280–2

Determination of muscle and joint forces: a new technique to solve the indeterminate problem. An KN, et al. **J Biomech Eng** 1984 Nov;106(4):364–7

The influence of muscle model complexity in musculoskeletal motion modeling. Audu ML, et al. **J Biomech Eng** 1985 May;107(2):147–57

Stochastic analysis of myoelectric temporal signatures for multifunctional single-site activation of prostheses and orthoses. Graupe D, et al. **J Biomed Eng** 1985 Jan;7(1):18–29

Ankle and knee position as a factor modifying intracompartmental pressure in the human leg. Gershuni DH, et al. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1415–20

A study of quadriceps excursion, torque, and the effect of patellectomy on cadaver knees. Wendt PP, et al. **J Bone Joint Surg [Am]** 1985 Jun;67(5):726–32

Myoelectric training methods for the preschool child with congenital below-elbow amputation. A comparison of two training programmes. Hubbard S, et al. **J Bone Joint Surg [Br]** 1985 Mar;67(2):273–7

The myth of muscle balance. A study of relative strengths and excursions of normal muscles about the foot and ankle. Silver RL, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):432–7

Basal lamina directs acetylcholinesterase accumulation at synaptic sites in regenerating muscle. Anglister L, et al. **J Cell Biol** 1985 Sep;101(3):735–43

Agents that activate protein kinase C reduce acetylcholine sensitivity in cultured myotubes. Eusebi F, et al. **J Cell Biol** 1985 Apr;100(4):1339–42

Relationship between skeletal muscle insulin resistance, insulin-mediated glucose disposal, and insulin binding. Effects of obesity and body fat topography. Evans DJ, et al. **J Clin Invest** 1984 Oct;74(4):1515–25

Muscle cell electrical hyperpolarization and reduced exercise hyperkalemia in physically conditioned dogs. Knochel JP, et al. **J Clin Invest** 1985 Feb;75(2):740–5

Design and performance of muscular systems. Based on papers presented at the Seventh International Conference on Comparative Physiology. Crans-sur-Sierre, June 1984. **J Exp Biol** 1985 Mar;115:1–412

The maximum forces exerted by animals. Alexander RM. **J Exp Biol** 1985 Mar;115:231–8

Metabolic indicators of fibre recruitment in mammalian muscles during locomotion. Armstrong RB, et al. **J Exp Biol** 1985 Mar;115:201–13

Temperature and muscle. Bennett AF. **J Exp Biol** 1985 Mar;115:333–44

Storage and release of mechanical energy by active muscle: a non-elastic mechanism? Cavagna GA, et al. **J Exp Biol** 1985 Mar;115:79–87

How flexible is the neural control of muscle properties? Edgerton VR, et al. **J Exp Biol** 1985 Mar;115:393–402

Power and efficiency of insect flight muscle. Ellington CP. **J Exp Biol** 1985 Mar;115:293–304

Malleability of the motor system: a comparative approach. Goldspink G. **J Exp Biol** 1985 Mar;115:375–91

Efficiency of vertebrate locomotory muscles. Heglund NC, et al. **J Exp Biol** 1985 Mar;115:283–92

The size-principle: a deterministic output emerges from a set of probabilistic connections. Henneman E. **J Exp Biol** 1985 Mar;115:105–12

Sustained force development: specializations and variation among the vertebrates. Johnston IA. **J Exp Biol** 1985 Mar;115:239–51

The effects of temperature acclimation on the resting membrane of skeletal muscle fibres from green sunfish. Klein MG, et al. **J Exp Biol** 1985 Jan;114:563–79

Properties of the chloride conductance associated with temperature acclimation in muscle fibres of green sunfish. Klein MG. **J Exp Biol** 1985 Jan;114:581–98

Motoneurone task groups: coping with kinematic heterogeneity. Loeb GE. **J Exp Biol** 1985 Mar;115:137–46

The role of compliance in mammalian running gaits. McMahon TA. **J Exp Biol** 1985 Mar;115:263–82

From sarcomeres to whole muscles. Morgan DL. **J Exp Biol** 1985 Mar;115:69–78

Excitation-contraction coupling: the link between the surface and the interior of a muscle cell. Peachey LD. **J Exp Biol** 1985 Mar;115:91–8

Malleability of the system in overcoming limitations: functional elements. Saltin B. **J Exp Biol** 1985 Mar;115:345–54

Force development during sustained locomotion: a determinant of gait, speed and metabolic power. Taylor CR. **J Exp Biol** 1985 Mar;115:253–62

Metabolic and circulatory limitations to muscular performance at the organ level. Terjung RL, et al. **J Exp Biol** 1985 Mar;115:307–18

Matching of muscle properties and motoneurone firing patterns during early stages of development. Vrbová G, et al. **J Exp Biol** 1985 Mar;115:113–23

Design and performance of muscular systems: an overview. Weibel ER. **J Exp Biol** 1985 Mar;115:405–12

Myosin isoenzymes as molecular markers for muscle physiology. Whalen RG. **J Exp Biol** 1985 Mar;115:43–53 (44 ref.)

Muscle function: a personal view. Wilkie DR. **J Exp Biol** 1985 Mar;115:1–13

Stump currents in regenerating salamanders and newts. Borgens RB, et al. **J Exp Zool** 1984 Aug;231(2):249–56

Neuromuscular relationships during claw regeneration in Californian snapping shrimp. Stephens PJ, et al. **J Exp Zool** 1984 Aug;231(2):177–83

Effect of membrane polarization on contractile threshold and time course of prolonged contractile responses in skeletal muscle fibers. Caputo C, et al. **J Gen Physiol** 1984 Dec;84(6):927–43

Contractile activation in scorpion striated muscle fibers. Dependence on voltage and external calcium. Gilly WF, et al. **J Gen Physiol** 1984 Sep;84(3):321–45

Slow charge movement in mammalian skeletal muscle. Simon BJ, et al. **J Gen Physiol** 1985 Jan;85(1):1–19

The influence of transverse tubular delays on the kinetics of charge movement in mammalian skeletal muscle. Simon BJ, et al. **J Gen Physiol** 1985 Jan;85(1):21–42

Electromyographic analysis of the thumb: a study of isometric forces in pinch and grasp. Cooney WP 3d, et al. **J Hand Surg [Am]** 1985 Mar;10(2):202–10

Research in the physiology of exercise and sports. Novich MM. **J Med Soc NJ** 1985 Apr;82(4):295–9

Single-channel analysis of a potassium inward rectifier in myocytes of newborn rat heart. Payet MD, et al. **J Membr Biol** 1985;86(2):79–88

Aquatic prey capture in ambystomatid salamanders: patterns of variation in muscle activity. Shaffer HB, et al. **J Morphol** 1985 Mar;183(3):273–84

A possible mechanism of length activation in insect fibrillar flight muscle. Abbott RH, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):387–97

Hysteresis of the mammalian pCa/tension relation is small and muscle specific. Brandt PW, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):197–205

Crossbridge order and orientation in resting single glycerinated muscle fibres studied by linear dichroism of bound rhodamine labels. Burghardt TP, et al. **J Muscle Res Cell Motil** 1984 Dec;5(6):657–63

A kinetic model of muscle contraction and its oscillatory characteristics. Cheung AS, et al. **J Muscle Res Cell Motil** 1984 Oct;5(5):483–502 (44 ref.)

Ca2+-activated force-generating properties of mammalian skeletal muscle fibres: histochemically identified single peeled rabbit fibres. Donaldson SK. **J Muscle Res Cell Motil** 1984 Dec;5(6):593–612

Excitation-contraction coupling and contractile properties in denervated rat EDL and soleus muscles. Dulhunty AF. **J Muscle Res Cell Motil** 1985 Apr;6(2):207–25

The origin of muscle stem cells in rat triceps surae regenerating after mincing. Ghins E, et al. **J Muscle Res Cell Motil** 1984 Dec;5(6):711–22

Effect of quercetin on tension development by skinned fibres from frog skeletal muscle. Kurebayashi N, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):189–95

The maximum velocity of shortening during the early phases of the contraction in frog single muscle fibres. Lombardi V, et al. **J Muscle Res Cell Motil** 1984 Oct;5(5):503–13

Dissociation between mechanical performance and the cost of isometric tension maintenance in Lethocerus flight muscle. Loxdale HD, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):163–75

Ruthenium red: differential effects on excitation and excitation-contraction coupling in frog skeletal muscle. Snowdowne KW, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):399–410

Comment on 'Geometrical constraints affecting crossbridge formation in insect flight muscle' [letter] Thomas DD, et al. **J Muscle Res Cell Motil** 1984 Oct;5(5):589–90

Angle of active site of myosin heads in contracting muscle during sudden length changes. Yanagida T. **J Muscle Res Cell Motil** 1985 Feb;6(1):43–52

Evidence for octopaminergic modulation of an insect visceral muscle. Orchard I, et al. **J Neurobiol** 1985 May;16(3):171–81

Measuring muscle strength. van der Ploeg RJ, et al. **J Neurol** 1984;231(4):200–3

Effects of chronic low frequency electrical stimulation on normal human tibialis anterior muscle. Scott OM, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):774–81

Compensation for intrinsic muscle stiffness by short-latency reflexes in human triceps surae muscles. Allum JH, et al. **J Neurophysiol** 1984 Nov;52(5):797–818

Firing patterns of human flexor carpi radialis motor units during the stretch reflex. Calancie B, et al. **J Neurophysiol** 1985 May;53(5):1179–93

Voluntary and reflexive recruitment of flexor carpi radialis motor units in humans. Calancie B, et al. **J Neurophysiol** 1985 May;53(5):1194–200

Reflex control of dynamic muscle stiffness in a slow crustacean muscle. Chapple WD. **J Neurophysiol** 1985 Aug;54(2):403–17

Patterns of facilitation and suppression of antagonist forelimb muscles from motor cortex sites in the awake monkey. Cheney PD, et al. **J Neurophysiol** 1985 Mar;53(3):805–20

Comparable patterns of muscle facilitation evoked by individual corticomotoneuronal (CM) cells and by single intracortical microstimuli in primates: evidence for functional groups of CM cells. Cheney PD, et al. **J Neurophysiol** 1985 Mar;53(3):786–804

Eye-head coordination in cats. Guitton D, et al. **J Neurophysiol** 1984 Dec;52(6):1030–50

Sequential activation of neurons in primate motor cortex during unrestrained forelimb movement. Murphy JT, et al. **J Neurophysiol** 1985 Feb;53(2):435–45

Cervicocollic reflex: its dynamic properties and interaction with vestibular reflexes. Peterson BW, et al. **J Neurophysiol** 1985 Jul;54(1):90–109

Stiffness of cat soleus muscle and tendon during activation of part of muscle. Proske U, et al. **J Neurophysiol** 1984 Sep;52(3):459–68

Thigh muscle activity during maximum-height jumps by cats. Zajac FE. **J Neurophysiol** 1985 Apr;53(4):979–94

Relationship among recruitment order, axonal conduction velocity, and muscle-unit properties of type-identified motor units in cat plantaris muscle. Zajac FE, et al. **J Neurophysiol** 1985 May;53(5):1303–22

Posture control and trajectory formation during arm movement. Bizzi E, et al. **J Neurosci** 1984 Nov;4(11):2738–44

Development and subsequent neural tube effects on the excitability of cultured Xenopus myocytes. DeCino P, et al. **J Neurosci** 1985 Jun;5(6):1471–82

Is a nicotinic influence involved in denervation-induced depolarization of muscle? Rochel S, et al. **J Neurosci** 1985 Sep;5(9):2331–5

A simple open-loop vibrating system for variable amplitude and frequency sinusoidal stretching of muscles. Tepper J, et al. **J Neurosci Methods** 1984 Sep;11(4):251–6

A study of factors influencing muscle activity about the knee joint. Andriacchi TP, et al. **J Orthop Res** 1984;1(3):266–75

Compressive loads in the lumbar vertebral column during normal level walking. Cappozzo A. **J Orthop Res** 1984;1(3):292–301

Long-term measurement of muscle function in the dog hindlimb using a new apparatus. Hargens AR, et al. **J Orthop Res** 1984;1(3):284–91

Repeatability of phasic muscle activity: performance of surface and intramuscular wire electrodes in gait analysis. Kadaba MP, et al. **J Orthop Res** 1985;3(3):350–9

Relation of intramuscular pressure to the force output and myoelectric signal of skeletal muscle. Körner L, et al. **J Orthop Res** 1984;2(3):289–96

Kinematic and EMG patterns during slow, free, and fast walking. Murray MP, et al. **J Orthop Res** 1984;2(3):272–80

Relationship of isokinetic torque to isometric torque. Otis JC, et al. **J Orthop Res** 1983;1(2):165–71

Quantitative studies of the flexion-relaxation phenomenon in the back muscles. Schultz AB, et al. **J Orthop Res** 1985;3(2):189–97

Electromyographic analysis of shoulder muscle load. Sigholm G, et al. **J Orthop Res** 1984;1(4):379–86

Experimental analysis of the relationship between charge movement components in skeletal muscle of Rana temporaria. Adrian RH, et al. **J Physiol (Lond)** 1984 Aug;353:419–34

The relationship between intracellular calcium and contraction in calcium-overloaded ferret papillary muscles. Allen DG, et al. **J Physiol (Lond)** 1985 Jul;364:169–82

Influence of deuterium oxide on calcium transients and myofibrillar responses of frog skeletal muscle. Allen DG, et al. **J Physiol (Lond)** 1984 Sep;354:225–51

Non-selective conductance in calcium channels of frog muscle: calcium selectivity in a single-file pore. Almers W, et al. **J Physiol (Lond)** 1984 Aug;353:585–608

A non-selective cation conductance in frog muscle membrane blocked by micromolar external calcium ions. Almers W, et al. **J Physiol (Lond)** 1984 Aug;353:565–83

Tendon organ firing during active muscle lengthening in awake, normally behaving cats. Appenteng K, et al. **J Physiol (Lond)** 1984 Aug;353:81–92

Effects of sodium substitutes on transient inward current and tension in guinea-pig and ferret papillary muscle. Arlock P, et al. **J Physiol (Lond)** 1985 Mar;360:105–20

Inward rectification in the transverse tubular system of frog skeletal muscle studied with potentiometric dyes. Ashcroft FM, et al. **J Physiol (Lond)** 1985 Feb;359:269–91

Temperature dependence of isometric contractions of cat fast and slow skeletal muscles. Buller AJ, et al. **J Physiol (Lond)** 1984 Oct;355:25–31

Shortening velocity extrapolated to zero load and unloaded shortening velocity of whole rat skeletal muscle. Claflin DR, et al. **J Physiol (Lond)** 1985 Feb;359:357–63

Adaptation of mechanical properties of muscle to high force training in man. Davies CT, et al. **J Physiol (Lond)** 1985 Aug;365:277–84

Acetylcholine receptors of skeletal muscle cells in cultures of rat thymus glands. Dhillon DS, et al. **J Physiol (Lond)** 1985 May;362:349–58

Excitation-contraction coupling and charge movement in denervated rat extensor digitorum longus and soleus muscles. Dulhunty AF, et al. **J Physiol (Lond)** 1985 Jan;358:75–89

Differences in maximum velocity of shortening along single muscle fibres of the frog. Edman KA, et al. **J Physiol (Lond)** 1985 Aug;365:147–63

Tension transients during steady shortening of frog muscle fibres. Ford LE, et al. **J Physiol (Lond)** 1985 Apr;361:131–50

The respiratory activity of human levator costae muscles and its modification by posture. Goldman MD, et al. **J Physiol (Lond)** 1985 May;362:189–204

Stepwise shortening in unstimulated frog skeletal muscle fibres. Granzier HL, et al. **J Physiol (Lond)** 1985 May;362:173–88

Mechanotransducer ion channels in chick skeletal muscle: the effects of extracellular pH. Guharay F, et al. **J Physiol (Lond)** 1985 Jun;363:119–34

Ionic currents and charge movements in organ-cultured rat skeletal muscle. Hollingworth S, et al. **J Physiol (Lond)** 1984 Dec;357:369–86

Analysis of 'off' tails of intramembrane charge movements in skeletal muscle of Rana temporaria. Huang CL. **J Physiol (Lond)** 1984 Nov;356:375–390

Effects of rapid cooling on mechanical and electrical responses in ventricular muscle of guinea-pig. Kurihara S, et al. **J Physiol (Lond)** 1985 Apr;361:361–78

Effects of prior instruction and anaesthesia on long-latency responses to stretch in the long flexor of the human thumb. Loo CK, et al. **J Physiol (Lond)** 1985 Aug;365:285–96

Electromyographic activity in the cross-reinnervated soleus muscle of unrestrained cats. Luff AR, et al. **J Physiol (Lond)** 1985 Aug;365:13–28

Movements of cross-bridges during and after slow length changes in active frog skeletal muscle. Matsubara I, et al. **J Physiol (Lond)** 1985 Apr;361:151–63

Observations on the time course of the electromyographic response reflexly elicited by muscle vibration in man. Matthews PB. **J Physiol (Lond)** 1984 Aug;353:447–61

Birefringence signal and early mechanical changes at normal and increased tonicities in frog skeletal muscle. Oetliker H, et al. **J Physiol (Lond)** 1984 Aug;353:287–304

Calcium-activated potassium channels in rat muscle inactivate from a short-duration open state. Pallotta BS. **J Physiol (Lond)** 1985 Jun;363:501–16

The slow repolarization phase of the action potential in rat heart. Schouten VJ, et al. **J Physiol (Lond)** 1985 Mar;360:13–25

A mechanical study of regulation in the striated adductor muscle of the scallop. Simmons RM, et al. **J Physiol (Lond)** 1985 Jan;358:47–64

Temperature-dependent calcium sensitivity changes in skinned muscle fibres of rat and toad. Stephenson DG, et al. **J Physiol (Lond)** 1985 Mar;360:1–12

A study of the relationship between muscle length, tension-time area and stiffness in cat areflexic soleus. Parmiggiani F, et al. **J Physiol (Paris)** 1984;79(5):353–6

A myofeedback instrument for clinical use. McCarthy CF, et al. **J Rehabil Res Dev** 1984 Jul;21(2):39–44

The effect of speed of isokinetic exercise on training transfer to isometric strength in the quadriceps muscle. Seaborne D, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):183–8

Countereffects of compensatory overload and glucocorticoids in skeletal muscle: androgen and glucocorticoid cytosol receptor binding. Kurowski TT, et al. **J Steroid Biochem** 1984 Aug;21(2):137–45

Characterization of the effect of pH on the excitation-contraction coupling system of canine masseter muscle. Ok[illegible]be E, et al. **Jpn J Pharmacol** 1985 Mar;37(3):277–83

Thermoelastic effect in chemically skinned frog skeletal muscle in rigor. Kometani K, et al. **Jpn J Physiol** 1984;34(3):389–96

Effects of twitch potentiators and repetitive stimulation on arsenazo III Ca-transients in Xenopus skeletal muscle fibers. Ochi K. **Jpn J Physiol** 1984;34(5):857–70

Perineal muscle function after childbirth. Gordon H, et al. **Lancet** 1985 Jul 20;2(8447):123–5

Simultaneous manometry and electromyography in the pharyngoesophageal segment. van Overbeek JJ, et al. **Laryngoscope** 1985 May;95(5):582–4

The effect of ageing and exercise on skeletal muscle function. Fitts RH, et al. **Mech Ageing Dev** 1984 Oct 15;27(2):161–72

Time course of changes in protein synthesis in marcaine-induced skeletal muscle regeneration. Jones GH. **Mech Ageing Dev** 1984 Oct 31;27(3):373–81

Effects of skeletal muscle regeneration on the proliferation potential of satellite cells. Schultz E, et al. **Mech Ageing Dev** 1985 Apr;30(1):63–72

Impulse technique for dynamic measurements of muscular structures in biomechanical applications. Bracale M, et al. **Med Biol Eng Comput** 1984 Nov;22(6):578–84

Comparative analysis of modelled extracellular potentials. Fleisher SM. **Med Biol Eng Comput** 1984 Sep;22(5):440–7

Mathematical model of the single-fibre action potential. Fleisher SM, et al. **Med Biol Eng Comput** 1984 Sep;22(5):433–9

Electrical conductivity of skeletal muscle tissue: experimental results from different muscles in vivo. Gielen FL, et al. **Med Biol Eng Comput** 1984 Nov;22(6):569–77

Selective activation of muscles using peripheral nerve electrodes. McNeal DR, et al. **Med Biol Eng Comput** 1985 May;23(3):249–53

Radial decline of the extracellular action potential. Nandedkar SD, et al. **Med Biol Eng Comput** 1984 Nov;22(6):564–8

Estimation of muscle force from intramuscular total pressure. Parker PA, et al. **Med Biol Eng Comput** 1984 Sep;22(5):453–7

An optimal real-time digital processor for the electric activity of muscle. Murray WR, et al. **Med Instrum** 1985 Mar–Apr;19(2):77–82

Mechanical and muscular factors affecting the efficiency of human movement. Cavanagh PR, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):326–31 (33 ref.)

Kinetic sources of lower-limb angular displacement in the recovery phase of sprinting. Chapman AE, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):382–8

Influence of sex differences and knee joint position on electrical stimulation-modulated strength increases. Fahey TD, et al. **Med Sci Sports Exerc** 1985 Feb;17(1):144–7

Effects of dieting and exercise on lean body mass, oxygen uptake, and strength. Pavlou KN, et al. **Med Sci Sports Exerc** 1985 Aug;17(4):466–71

Firing patterns of motor units in normal rats. Hennig R, et al. **Nature** 1985 Mar 14–20;314(6007):164–6

Charybdotoxin, a protein inhibitor of single Ca2+-activated K+ channels from mammalian skeletal muscle. Miller C, et al. **Nature** 1985 Jan 24–30;313(6000):316–8

Comparison of alpha-tropomyosin sequences from smooth and striated muscle. Ruiz-Opazo N, et al. **Nature** 1985 May 2–8;315(6014):67–70

Voltage-dependent ATP-sensitive potassium channels of skeletal muscle membrane. Spruce AE, et al. **Nature** 1985 Aug 22–28;316(6030):736–8

Vibration and muscle contraction affect somatosensory evoked potentials. Cohen LG, et al. **Neurology** 1985 May;35(5):691–8

Influence of stimulation of the head of the caudate nucleus on the activity of postural muscles during realization of an instrumental defensive reflex. Shapovalova KB, et al. **Neurosci Behav Physiol** 1985 May–Jun;15(3):254–64

Long-latency responses in human thenar muscles mediated by fast conducting muscle and cutaneous afferents. Deuschl G, et al. **Neurosci Lett** 1985 Apr 19;55(3):361–6

Cerebral evoked potentials associated with the compensatory reactions following stance and gait perturbation. Dietz V, et al. **Neurosci Lett** 1984 Sep 7;50(1–3):181–6

Giant inhibitory miniature currents in crayfish muscle in the presence and absence of extracellular sodium and serotonin. Finger W, et al. **Neurosci Lett** 1984 Sep 28;51(1):127–32

Ascending responses induced by transmural nerve stimulation in the cat duodenum. Miolan JP, et al. **Neurosci Lett** 1985 May 23;56(3):295–9

Orientation-induced artifacts in the measurement of monosynaptic reflexes. Myklebust BM, et al. **Neurosci Lett** 1984 Jul 27;48(2):223–30

Physiological properties and pattern of innervation of regenerated muscles in the rat. Albani M, et al. **Neuroscience** 1985 Jun;15(2):489-98

Opening and closing mechanisms of the larynx. Konrad HR, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):402-5

Adaptation in the function of pharyngeal constrictor muscles. Rowe LD, et al. **Otolaryngol Head Neck Surg** 1984 Aug; 92(4):392-401

Reversion mode activation by myopotential sensing in a ventricular inhibited demand pacemaker. Erkkila KI, et al. **PACE** 1985 Jan;8(1):50-1

Isokinetic endurance of men of high and low strength. Barnes WS. **Percept Mot Skills** 1985 Feb;60(1):26

Influence of arm positions on EMG-reaction time of the biceps brachii for elbow flexion and forearm supination. Taniguchi R, et al. **Percept Mot Skills** 1984 Aug; 59(1):191-4

Changes in tension generation and ATPase activity in skinned muscle fibres of the carp following temperature acclimation. Altringham JD, et al. **Pflugers Arch** 1985 Apr; 403(4):449-51

Development of force-velocity relation and rise of isometric tetanic tension measure the time course of different processes. Cecchi G, et al. **Pflugers Arch** 1984 Aug; 401(4):396-401

Effects of different patterns of long-term stimulation on blood flow, fuel uptake and enzyme activities in rabbit fast skeletal muscles. Hudlicka O, et al. **Pflugers Arch** 1984 Nov; 402(3):306-11

Acoustic phenomena in the latent period of skeletal muscle: a simple method for in-vivo measurement of the electro-mechanic latency (EML). Hufschmidt A. **Pflugers Arch** 1985 May;404(2):162-5

The voltage and temperature dependence of the end-plate current in frog skeletal muscle. Kordaš M, et al. **Pflugers Arch** 1984 Aug;401(4):408-13

Electrical stimulation of arterial and central chemosensory afferents at different times in the respiratory cycle of the cat: II. Responses of respiratory muscles and their motor nerves. Marek W, et al. **Pflugers Arch** 1985 Apr; 403(4):422-8

Influence of Renshaw cells on the response gain of hindlimb extensor muscles to sinusoidal labyrinth stimulation. Pompeiano O, et al. **Pflugers Arch** 1985 May;404(2):107-18

Voltage-dependent kinetics of an anionic channel of large unit conductance in macrophages and myotube membranes. Schwarze W, et al. **Pflugers Arch** 1984 Nov;402(3):281-91

Passive electrical properties and voltage dependent membrane capacitance of single skeletal muscle fibers. Takashima S. **Pflugers Arch** 1985 Feb;403(2):197-204

A 10 mus component in the tension transients of isolated intact skeletal muscle fibres of the frog. van den Hooff H, et al. **Pflugers Arch** 1984 Oct;402(2):137-43

Electrical stimulation for strengthening [letter] Balogun JA. **Phys Ther** 1985 Sep;65(9):1394, 1396, 1399

Biomechanics in clinical practice. Deusinger RH. **Phys Ther** 1984 Dec;64(12):1860-8

One method for assessing the effectiveness of fast brushing. Mason CR. **Phys Ther** 1985 Aug;65(8):1197-1202

Improvement in isometric strength of the quadriceps femoris muscle after training with electrical stimulation. Selkowitz DM. **Phys Ther** 1985 Feb;65(2):186-96

Hydration effects on muscle response. Hasan H, et al. **Physiol Chem Phys Med NMR** 1985;17(1):131-4

Effects of adrenaline, calcium, and ouabain on the resting potential of frog muscle: interpretation based on the theory of allosteric control of cooperative interactions among surface anionic sites. Ling GN, et al. **Physiol Chem Phys Med NMR** 1984;16(5):405-23

Characterization and regulation in the expression of a gene coding for the intermediate filament protein desmin. Capetanaki YG, et al. **Proc Natl Acad Sci USA** 1984 Nov; 81(22):6909-13

Developmentally regulated expression of a chicken muscle-specific gene in stably transfected rat myogenic cells. Nudel U, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3106-9

Cyclic GMP may serve as a second messenger in peptide-induced muscle degeneration in an insect. Schwartz LM, et al. **Proc Natl Acad Sci USA** 1984 Nov; 81(21):6718-22

Inositol 1,4,5-trisphosphate: a possible chemical link in excitation-contraction coupling in muscle. Vergara J, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6352-6

Myosin isoenzymes in single muscle fibres of Xenopus laevis: analysis of five different functional types. Lännergren J, et al. **Proc R Soc Lond [Biol]** 1984 Sep 22;222(1228):401-8

A theoretical and semi-empirical approach of muscle mechanics and energetics, independent of the mechanical role of the crossbridges. Part II: Energetics of a whole muscle Morel JE. **Prog Biophys Mol Biol** 1984;44(1):73-96 (49 ref.)

A theoretical and semi-empirical approach of muscle mechanics and energetics, independent of the mechanical role of the crossbridges. Part I: Mechanics of a single fibre. Morel JE. **Prog Biophys Mol Biol** 1984;44(1):47-71 (57 ref.)

Ca2+, interleukin-1 and failure to maintain normal length stimulate protein degradation in isolated skeletal muscle. Baracos VE, et al. **Prog Clin Biol Res** 1985;180:603-5

The respiratory function of gill filament muscles in the carp. Ballintijn CM. **Respir Physiol** 1985 Apr;60(1):59-74

Gill arch movements and the function of the dorsal gill arch muscles in the carp. Ballintijn CM, et al. **Respir Physiol** 1985 Apr;60(1):39-57

Changes in upper airway muscle activity related to head position in awake cats. Bonora M, et al. **Respir Physiol** 1985 May;60(2):181-92

The muscular basis of aerial ventilation of the primitive lung of Amia calva. Deyst KA, et al. **Respir Physiol** 1985 Feb; 59(2):213-23

Laryngeal muscle and diaphragmatic activities in conscious dog pups. England SJ, et al. **Respir Physiol** 1985 Apr; 60(1):95-108

Comparison of the responses of the diaphragm and upper airway muscles to central stimulation of the sciatic nerve. Haxhiu MA, et al. **Respir Physiol** 1984 Oct;58(1):65-76

Muscular activity during ergometer cycling. Ericson MO, et al. **Scand J Rehabil Med** 1985;17(2):53-61

Isokinetic plantar flexion endurance. Reliability and validity of output/excitation measurements. Fugl-Meyer AR, et al. **Scand J Rehabil Med** 1985;17(2):47-52

Hip joint load and muscular activation during rising exercises. Németh G, et al. **Scand J Rehabil Med** 1984;16(3):93-102

Hip load moments and muscular activity during lifting. Németh G, et al. **Scand J Rehabil Med** 1984;16(3):103-11

Wasting of the human quadriceps muscle after knee ligament injuries. Halkjaer-Kristensen J, et al. **Scand J Rehabil Med [Suppl]** 1985;13:5-55

On hip and lumbar biomechanics. A study of joint load and muscular activity. Németh G. **Scand J Rehabil Med [Suppl]** 1984;10:1-35 (125 ref.)

Phosphate release and force generation in skeletal muscle fibers. Hibberd MG, et al. **Science** 1985 Jun 14; 228(4705):1317-9

Signaling of ankle joint position by receptors in different muscles. Simon J, et al. **Somatosens Res** 1984;2(2):127-47

Posture related to myoelectric silence of erectores spinae during trunk flexion. Kippers V, et al. **Spine** 1984 Oct; 9(7):740-5

Muscular exercise and fatigue. Gibson H, et al. **Sports Med** 1985 Mar-Apr;2(2):120-32

Skeletal muscle regeneration after myonecrosis induced by crude venom and a myotoxin from the snake Bothrops asper (Fer-de-Lance). Gutiérrez JM, et al. **Toxicon** 1984; 22(5):719-31

Is hyperpolarization a transducer of insulin action? Zierler K, et al. **Trans Assoc Am Physicians** 1983;96:203-8

[Auditory myogenic response in normal subjects] Hu K, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Jun;6(3):187-90 (Eng. Abstr.) **(Chi)**

[The tonic vibration reflex] De Cuyper H. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):41-6 (Eng. Abstr.) **(Dut)**

[Stability of the first metatarsophalangeal joint] Libotte M, et al. **Acta Orthop Belg** 1985 Jan-Feb;51(1):28-45 (Eng. Abstr.) **(Fre)**

[Electric activity of the rectus femoris in supramaximal running] Camus G, et al. **Arch Int Physiol Biochim** 1985 Jun;93(2):75-81 (Eng. Abstr.) **(Fre)**

[Auditory-evoked brainstem potentials and stapedius muscle reflex: intersubject variability] Robier A, et al. **Audiology** 1984;23(5):490-7 (Eng. Abstr.) **(Fre)**

[Functional reeducation of the perineum by the intermittent static contraction method] Lehmans JM. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(8):903-9 (Eng. Abstr.) **(Fre)**

[Close interdependence between passive and active soleus muscle torques in man: approach to the coregulation of the number of sarcomeres and length of the connective tissue] Gerard C, et al. **J Physiol (Paris)** 1985;80(1):20-6 (Eng. Abstr.) **(Fre)**

[Additional inspiratory load and respiratory muscle training (letter)] Vandevenne A, et al. **Presse Med** 1985 Mar 2; 14(9):551 **(Fre)**

[Oculocephalic coupling] Vidal PP, et al. **Rev Otoneuroophtalmol** 1984 May-Jun;56(3):243-51 **(Fre)**

[Impairing effect of ouabain on heart muscle slices of guinea pigs] Ludwig C, et al. **Biomed Biochim Acta** 1984; 43(7):1033-6 (Eng. Abstr.) **(Ger)**

[Functional disorders of chamber demand (VVI) and sequential AV (DDD) pacemakers caused by muscle potentials] Gerckens U, et al. **Dtsch Med Wochenschr** 1985 Aug 16;110(33):1245-8 (Eng. Abstr.) **(Ger)**

[What does stretching bring about? Results of a follow-up of ski racers] Spring H. **Schweiz Z Sportmed** 1985 Mar; 33(1):21-4 (Eng. Abstr.) **(Ger)**

[Detection of the bioelectric activity of respiratory musculature in clinically healthy persons of various ages] Guntschewa M. **ZFA** 1984 Sep-Oct;39(5):299-302 (Eng. Abstr.) **(Ger)**

[Potentials of individual muscle fibers evoked by stimulation of prejunctional nerve endings in healthy subjects (preliminary observations)] Caccia MR. **Riv Patol Nerv Ment** 1983 Mar-Apr;104(2):61-74 (Eng. Abstr.) **(Ita)**

[The progress of physiological anthropology in Japan. (II)] Kikuchi Y. **Ann Physiol Anthropol** 1984 Jan;3(1):5-9 (19 ref.) **(Jpn)**

[A Basic study of the deglutition reflex mechanism] Shin T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 May; 88(5):643-50 (Eng. Abstr.) **(Jpn)**

[Electromyography of a single muscle fiber] Homma I. **Rinsho Byori** 1985 Feb;Spec No 61:126-38 (18 ref.) **(Jpn)**

[Changes of silent periods in normal gastrosoleus muscle under the upright position at tilting board] Muroga T, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):288-93 (Eng. Abstr.) **(Jpn)**

[Evaluation of the systems controlling motor efficiency of elderly persons after femoral neck fractures] Konieczna D. **Chir Narzadow Ruchu Ortop Pol** 1984;49(6):549-52 (Eng. Abstr.) **(Pol)**

[Regulatory chains of skeletal muscle myosin] Stepkowski D, et al. **Postepy Biochem** 1983;29(3-4):355-75 (111 ref.) **(Pol)**

[The role of the relaxation properties of muscles in the formation of movement] Bogdanov VA. **Biofizika** 1985 Jan-Feb;30(1):145-8 (Eng. Abstr.) **(Rus)**

[Detection of isoenergetic discreteness in various rhythmic movements] Bogdanov VA. **Biofizika** 1984 Nov-Dec; 29(6):1053-7 (Eng. Abstr.) **(Rus)**

[Vibration activity of muscles] Kuznetsov VV. **Biofizika** 1985 Mar-Apr;30(2):328-31 (Eng. Abstr.) **(Rus)**

[Regulation of respiration during muscular exertion] Shik LL. **Biol Nauki** 1985;(6):18-29 (64 ref.) (Eng. Abstr.) **(Rus)**

[Effect of hypokinesia and muscle training on catecholamine levels of the myocardium of rats in postnatal ontogeny] Abzalov RA. **Biull Eksp Biol Med** 1985 Apr;99(4):394-7 (Eng. Abstr.) **(Rus)**

[Rheological characteristics of the blood in long-term and quick adaptation to muscle loads] Levin VN, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):142-4 (Eng. Abstr.) **(Rus)**

[Relation between the biomechanical properties of muscles and their capacity to utilize the energy of elastic deformation] Aruin AS, et al. **Fiziol Cheloveka** 1985 Jan-Feb;11(1):12-6 **(Rus)**

[Correlation of the magnitude of voluntary muscle strength and the characteristics of the adaptation of skeletal muscle to force loads in women and men] Issurin VB, et al. **Fiziol Cheloveka** 1985 Jan-Feb;11(1):17-22 **(Rus)**

[Metabolic effect of caffeine during muscle work in relation to the body's carbohydrate resources] Kots IaM, et al. **Fiziol Cheloveka** 1984 Mar-Apr;10(2):310-6 **(Rus)**

[Endocrine mechanisms regulating gastric secretion at rest and during muscle activity] Kuznetsov AP. **Fiziol Cheloveka** 1985 Jan-Feb;11(1):138-46 **(Rus)**

[Reaction properties of muscle to passive shortening] Safronov VA. **Fiziol Cheloveka** 1984 Jul-Aug;10(4):647-54 **(Rus)**

[Dependence of the blood supply to the leg on its longitudinal dimensions and on the biomechanical properties of the skeletal muscles] Shchurov VA, et al. **Fiziol Cheloveka** 1984 Mar-Apr;10(2):281-6 **(Rus)**

[Effect of monotonous muscular activity on body function] Tkhorevskiĭ VI, et al. **Fiziol Cheloveka** 1985 Mar-Apr; 11(2):280-5 **(Rus)**

[Frequency of electrostimulation and the onset of tetanus in different muscles] Zimkin NV, et al. **Fiziol Cheloveka** 1984 Nov-Dec;10(6):972-80 **(Rus)**

[Effect of denervation on the membrane potential and RNA and protein synthesis in the skeletal muscle fibers of animals of various ages] Iasechko AV. **Fiziol Zh** 1984 Nov-Dec; 30(6):721-3 **(Rus)**

[Performance of the isolated perfused soleus muscle of the rat] Aliukhin IuS. **Fiziol Zh SSSR** 1985 Apr;71(4):493-9 (Eng. Abstr.) **(Rus)**

[Effect of nasal respiration on the electrical activity of skeletal musculature] Bakuradze AN, et al. **Fiziol Zh SSSR** 1985 Jan;71(1):8-14 (Eng. Abstr.) **(Rus)**

[Integration of motor and autonomic functions during muscle work] Gandel'sman AB, et al. **Fiziol Zh SSSR** 1984 Dec; 70(12):1611-6 (Eng. Abstr.) **(Rus)**

[Changes in the concentration of Na+ and K+ in the skeletal muscles of the rat during adaptation to cold] Medvedev LN. **Fiziol Zh SSSR** 1985 Jun;71(6):750-2 (Eng. Abstr.) **(Rus)**

[Efficiency of muscle work in white rats adapting to cold] Tkachenko EIa, et al. **Fiziol Zh SSSR** 1985 Mar; 71(3):337-41 (Eng. Abstr.) **(Rus)**

[Role of calcium ions and cyclic nucleotides in neurotrophic control of the membrane properties of muscle fibers in the frog] Volkov EM, et al. **Fiziol Zh SSSR** 1985 Jun; 71(6):744-9 (Eng. Abstr.) **(Rus)**

[Changes in the energetics of muscle contraction as a result of hyperoxia] Pchelenko LD, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):77-81 (Eng. Abstr.) **(Rus)**

[Slow asymmetric currents and ultrastructure of tubulo-reticular contacts in the muscle fibers of the crayfish] Genchek M, et al. **Neirofiziologiia** 1984; 16(5):612-9 (Eng. Abstr.) **(Rus)**

[Various locomotor movements in the rat] Iakhina IA, et al. **Neirofiziologiia** 1985;17(2):183-9 (Eng. Abstr.) **(Rus)**

[Does non-quantum secretion of acetylcholine from motor neuron endings participate in the neurotrophic control of the membrane potential of muscle fibers in the rat?] Volkov EM, et al. **Neirofiziologiia** 1985;17(3):358-65 (Eng. Abstr.) **(Rus)**

[Regulation of motor reactions in infant during the first few months of life] Praznikov VP. **Pediatriia** 1984 Aug;(8):36-7 **(Rus)**

[Effect of thermal selection of the male gametes on the resistance to temperature and chlorophos of the body and muscles in tadpoles of the common frog] Chernokozheva IS, et al. **Tsitologiia** 1985 May;27(5):548-53 (Eng. Abstr.) **(Rus)**

[Thyroid activity in common frogs and the heat resistance of their bodies and muscle tissue] Dzhamusova TA, et al. **Tsitologiia** 1985 Apr;27(4):445–50 (Eng. Abstr.) **(Rus)**

[Muscle tissue regeneration of the lymph hearts in adult Rana temporaria frogs. A study by light and electron microscopy autoradiography methods] Markozashvili MI, et al. **Tsitologiia** 1984 Oct;26(10):1103–10 (Eng. Abstr.) **(Rus)**

[Morphofunctional characteristics of the walls of the major veins in intensified muscle activity] Tal'ko VI. **Vrach Delo** 1984 Aug;(8):38–41 (Eng. Abstr.) **(Rus)**

[Various characteristics of the activity of skeletal muscles in humans and dogs during postnatal ontogenesis] Praznikov VP. **Zh Evol Biokhim Fiziol** 1985 May–Jun; 21(3):277–83 (Eng. Abstr.) **(Rus)**

[Two components of the fluorescence signal of Nile blue A from membrane systems of isolated muscle fibers] Habán P, et al. **Bratisl Lek Listy** 1985 Aug;84(2):129–36 (Eng. Abstr.) **(Slo)**

[Changes in optic anisotropy in isolated muscle cells during excitation–contraction coupling] Poledna J, et al. **Bratisl Lek Listy** 1985 Apr;83(4):395–403 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Electrical activity and arm muscle force in postoperative fatigue. Christensen T, et al. **Acta Chir Scand** 1985; 151(1):1–5

Improvement of muscle strength after treatment for hyperparathyroidism. Hedman I, et al. **Acta Chir Scand** 1984;150(7):521–4

The muscle pump function in chronic venous insufficiency: plethysmographic results. Aelvoet G, et al. **Acta Derm Venereol (Stockh)** 1984;64(5):428–30

Activation of glucose transport in diabetic muscle: responses to contraction and insulin. Wallberg–Henriksson H, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C233–7

Torque–velocity relationships of the knee extensor and flexor muscles in individuals sustaining injuries of the anterior cruciate ligament. Murray SM, et al. **Am J Sports Med** 1984 Nov–Dec;12(6):436–40

Hamstring control and the unstable anterior cruciate ligament–deficient knee. Walla DJ, et al. **Am J Sports Med** 1985 Jan–Feb;13(1):34–9

The effects of chronic hyperinflation, nutritional status, and posture on respiratory muscle strength in CF [letter] Boland MP, et al. **Am Rev Respir Dis** 1984 Nov;130(5):949

Ventilatory muscle function during exercise in air and oxygen in patients with chronic air–flow limitation. Bye PT, et al. **Am Rev Respir Dis** 1985 Aug;132(2):236–40

Respiratory muscle dysfunction in myotonia congenita. Estenne M, et al. **Am Rev Respir Dis** 1984 Oct;130(4):681–4

Inspiratory force reserve of the respiratory muscles in children with chronic obstructive pulmonary disease. Gaultier C, et al. **Am Rev Respir Dis** 1985 Jun;131(6):811–5

Skeletal muscle aging in the hind limb of the old male Wistar rat: inhibitory effect of hypophysectomy and food restriction. Everitt AV, et al. **Arch Gerontol Geriatr** 1985 Jul;4(2):101–15

Adult–onset acid maltase deficiency. Electrophysiological properties of aneurally cultured muscle. Tahmoush AJ, et al. **Arch Neurol** 1984 Nov;41(11):1190–2

Evoked muscle action potentials in patients with muscular dystrophy. López–Estrada E, et al. **Arch Phys Med Rehabil** 1984 Nov;65(11):717–20

Isokinetic torque levels in hemophiliac knee musculature. Strickler EM, et al. **Arch Phys Med Rehabil** 1984 Dec; 65(12):766–70

Inspiratory muscle dysfunction and unexplained dyspnea in systemic lupus erythematosus. Jacobelli S, et al. **Arthritis Rheum** 1985 Jul;28(7):781–8

The effect of hypothyroidism on sarcoplasmic reticulum in fast–twitch muscle of the rat. Simonides WS, et al. **Biochim Biophys Acta** 1985 Feb 21;844(2):129–41

Long–loop reflexes in small hand muscles studied in normal subjects and in patients with Huntington's disease. Noth J, et al. **Brain** 1985 Mar;108 (Pt 1):65–80

Weight appreciation in the hand in normal subjects and in patients with leprous neuropathy. Raj DV, et al. **Brain** 1985 Mar;108 (Pt 1):95–102

Increased muscle action potentials by 5 Hz prolonged nerve stimulation in neurological and neuromuscular disorders––clinical usefulness for detecting underlying pathophysiology. Hakamada S, et al. **Brain Dev** 1984; 6(3):304–10

Interactions between chest wall, respiratory muscles and lung function in disease. Pride NB. **Bull Eur Physiopathol Respir** 1984 Sep–Oct;20(5):423–8

Ventilatory muscle fatigue governs breathing frequency. Roussos C. **Bull Eur Physiopathol Respir** 1984 Sep–Oct; 20(5):445–51

Inspiratory muscle training in clinical practice. Physiologic conditioning or habituation to suffocation? Jederlinic P, et al. **Chest** 1984 Dec;86(6):870–3

Therapeutic considerations in respiratory muscle function. Sharp JT. **Chest** 1985 Aug;88(2 Suppl):118S–123S (25 ref.)

Long–term myoneural function after an induced compartment syndrome in the canine hindlimb. Mortensen WW, et al. **Clin Orthop** 1985 May;(195):289–93

Prediction of muscle and joint loads after segmental femur replacement for osteosarcoma. van Krieken FM, et al. **Clin Orthop** 1985 Sep;(198):273–83

Congenital fiber type disproportion myopathy. Report of a case with late onset and myalgia. Santoro L, et al. **Clin Pediatr (Phila)** 1985 Apr;24(4):219–20

Reflex inhibition of the quadriceps after meniscectomy: lack of association with pain. Shakespeare DT, et al. **Clin Physiol** 1985 Apr;5(2):137–44

The assessment of the functional consequences of malnutrition. Russell DM, et al. **Curr Concepts Nutr** 1984; 13:113–35 (81 ref.)

Can vibration–induced illusions be used as a muscle perception test for normal and cerebral–palsied children? Tardieu G, et al. **Dev Med Child Neurol** 1984 Aug; 26(4):449–56

A histochemical and morphological study of skeletal muscle from obese hyperglycaemic ob/ob mice. Almond RE, et al. **Diabetologia** 1984 Sep;27(3):407–13

Numerical analysis of electromyographic signals: definition of three parameters for functional muscular value analysis. Bianchi JP, et al. **Electromyogr Clin Neurophysiol** 1985 May–Jun;25(4):245–52

A study of fatigue during repetitive static work performed in two different segmental positions. Kahn JF, et al. **Eur J Applied Physiol** 1984;53(2):169–74

Temperature effects on the kinetics of force generation in normal and dystrophic mouse muscles. Gordon T, et al. **Exp Neurol** 1985 Aug;89(2):348–60

Malignant hyperthermia: molecular defects in membrane permeability. Cheah KS, et al. **Experientia** 1985 May 15; 41(5):656–61 (159 ref.)

Stretching exercise and soccer: effect of stretching on range of motion in the lower extremity in connection with soccer training. Möller MH, et al. **Int J Sports Med** 1985 Feb; 6(1):50–2

The significance of motor–point tenderness in patients with lumbar intervertebral disc protrusions. Nwuga VC. **Int Orthop** 1984;8(1):47–54

Clinical experience with inspiratory resistive breathing training. Andersen JB, et al. **Int Rehabil Med** 1984; 6(4):183–5

A rationale for training respiratory muscles. Grassino A. **Int Rehabil Med** 1984;6(4):175–8 (19 ref.)

Twenty–eighth annual AOA/NOF Research Conference, 1984: part I. Keynote address: Muscle and low–back pain. Jokl P. **J Am Osteopath Assoc** 1984 Sep;84(1):64–6

Near–maximal voluntary hyperpnea and ventilatory muscle function. Bai TR, et al. **J Appl Physiol** 1984 Dec; 57(6):1742–8

Fatigue and contraction of slow and fast muscles in hypokinetic/hypodynamic rats. Fell RD, et al. **J Appl Physiol** 1985 Jan;58(1):65–9

Accessory muscle activity during sleep in chronic obstructive pulmonary disease. Johnson MW, et al. **J Appl Physiol** 1984 Oct;57(4):1011–7

Alae nasi electromyographic activity and timing in obstructive sleep apnea. Suratt PM, et al. **J Appl Physiol** 1985 Apr;58(4):1252–6

Determination of the parameters for an athetotic arm model. Niku S, et al. **J Biomech** 1985;18(3):209–15

Histochemical and biochemical correlates of ventilatory muscle fatigue in emphysematous hamsters. Farkas GA, et al. **J Clin Invest** 1984 Oct;74(4):1214–20

Disruption of the purine nucleotide cycle by inhibition of adenylosuccinate lyase produces skeletal muscle dysfunction. Swain JL, et al. **J Clin Invest** 1984 Oct; 74(4):1422–7

Muscle function studies in amputated lathyritic rats. Yeager VL. **J Exp Zool** 1985 Feb;233(2):193–7

Brain–stem involvement in multiple sclerosis: a comparison between brain–stem auditory evoked potentials and the acoustic stapedius reflex. Kofler B, et al. **J Neurol** 1984; 231(3):145–7

Increased co–activation of the upper limb muscles in writer's cramp. Hughes M, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):782–7

Palatal myoclonus––its remote influence. Nagaoka M, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):921–6

Primary generalised epileptic myoclonus: a frequent manifestation of minipolymyoclonus of central origin. Wilkins DE, et al. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):506–16

Comparison of electrophysiological and histochemical methods for assessing the spatial distribution of muscle fibres of a motor unit within muscle. Fawcett PR, et al. **J Neurol Sci** 1985 May–Jun;69(1–2):67–79

Effects of training on skeletal muscle in protein–deprived rats. Oldfors A, et al. **J Neurol Sci** 1985 May–Jun; 69(1–2):1–8

Ontogenetic aspects of changes in muscular potentials at medial gastrocnemius muscles of dystrophic mice due to prolonged stimulation. Watanabe K, et al. **J Neurol Sci** 1984 Oct;66(1):59–66

Capillarity, oxidative capacity and fibre composition of the soleus and gastrocnemius muscles of rats in hypothyroidism. Sillau AH. **J Physiol (Lond)** 1985 Apr; 361:281–95

Hand grip––a simple test for morbidity after fracture of the neck of femur. Davies CW, et al. **J R Soc Med** 1984 Oct; 77(10):833–6

Intrinsic laryngeal muscle activity in a spastic dysphonia patient. Shipp T, et al. **J Speech Hear Disord** 1985 Feb; 50(1):54–9

Power spectrum of electromyography in arm and leg muscles during isometric contractions and fatigue. Tarkka IM. **J Sports Med Phys Fitness** 1984 Sep;24(3):189–94

Gastrointestinal myoelectric activity in mechanical intestinal obstruction. Brolin RE, et al. **J Surg Res** 1985 May; 38(5):515–23

Muscle devitalization in high–energy missile wounds, and its dependence on energy transfer. Janzon B, et al. **J Trauma** 1985 Feb;25(2):138–44

Flexicollis and 'floppy head' syndrome [letter] Johnson EW. **JAMA** 1985 Jun 7;253(21):3091

Nitrogen versus muscle calcium in the genesis of abnormal muscle function in malnutrition. Russell DM, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):415–21

Mechanisms of exercise–induced delayed onset muscular soreness: a brief review. Armstrong RB. **Med Sci Sports Exerc** 1984 Dec;16(6):529–38 (148 ref.)

Neuromuscular diseases as models of cardiovascular regulation during exercise. Lewis SF, et al. **Med Sci Sports Exerc** 1984 Oct;16(5):466–71

The pathophysiology of movement disorders. Marsden CD. **Neurol Clin** 1984 Aug;2(3):435–59 (29 ref.)

Gait apraxia in normal–pressure hydrocephalus: patterns of movement and muscle activation. Knutsson E, et al. **Neurology** 1985 Feb;35(2):155–60

Stretch reflex blepharospasm. Obeso JA, et al. **Neurology** 1985 Sep;35(9):1378–80

Distinguishing between extrinsic and intrinsic tongue muscle weakness in unilateral hypoglossal palsy. Riggs JE. **Neurology (NY)** 1984 Oct;34(10):1367–8

Disturbed proprioception following a period of muscle vibration in humans. Rogers DK, et al. **Neurosci Lett** 1985 Jun 12;57(2):147–52

The relationship between paraspinal EMG and chronic low back pain. Nouwen A, et al. **Pain** 1984 Oct;20(2):109–23 (58 ref.)

Regulation of upper airway maintaining muscles during progressive asphyxia. Mathew OP, et al. **Pediatr Res** 1984 Sep;18(9):819–22

Acetylcholine–sensitivity in fast and slow twitch muscle of normal and dystrophic (C57 BL/6J dy2J/dy2J) mice. Noireaud J, et al. **Pflugers Arch** 1985 May;404(2):185–9

Effect of intermittent, supine cervical traction on the myoelectric activity of the upper trapezius muscle in subjects with neck pain. Jette DU, et al. **Phys Ther** 1985 Aug;65(8):1173–6

Comparison of electromyographic activity in the lumbar paraspinal muscles of subjects with and without chronic low back pain. Miller DJ. **Phys Ther** 1985 Sep; 65(9):1347–54

Electromyography results of exercise overflow in hemiplegic patients. Mills VM, et al. **Phys Ther** 1985 Jul;65(7):1041–5

Dynamics of postural control in the child with Down syndrome. Shumway–Cook A, et al. **Phys Ther** 1985 Sep; 65(9):1315–22

Assessing maximal static ventilatory muscle pressures using the 'bugle' dynamometer. Suggestion from the field. Sobush DC, et al. **Phys Ther** 1984 Nov;64(11):1689–90

Post mortem changes in skeletal muscle proton spin–lattice relaxation times. Cameron IL, et al. **Physiol Chem Phys Med NMR** 1984;16(4):351–4

Neuromuscular activity and electromyography in painful backs: psychological and biomechanical models in assessment and treatment. Dolce JJ, et al. **Psychol Bull** 1985 May;97(3):502–20 (72 ref.)

L–carnitine and haemodialysis: double blind study on muscle function and metabolism and peripheral nerve function. Fagher B, et al. **Scand J Clin Lab Invest** 1985 Apr; 45(2):169–78

Intra–abdominal pressure and trunk muscle activity during lifting. II. Chronic low–back patients. Hemborg B, et al. **Scand J Rehabil Med** 1985;17(1):5–13

[Single–fiber EMG in muscular dystrophy] Claes G, et al. **Acta Belg Med Phys** 1985 Jan–Mar;8(1):27–34 **(Dut)**

[Dedifferentiation and remodeling of motor endplates following experimental localized lesions of muscle fibers] Couteaux R, et al. **C R Acad Sci [III]** 1984;299(9):389–96 (Eng. Abstr.) **(Fre)**

[The striated sphincter of the urethra. 3: Urodynamic and physiopathologic study of the striated sphincter] De Leval J, et al. **J Urol (Paris)** 1984;90(8–9):529–51 (117 ref.) (Eng. Abstr.) **(Fre)**

[Fatigue of the respiratory muscles] Aubier M. **Presse Med** 1984 Sep 29;13(33):2009–12 (Eng. Abstr.) **(Fre)**

[Spasm or dimpling of the hypothenar eminence] Loron P, et al. **Rev Neurol (Paris)** 1985;141(2):149–51 (Eng. Abstr.) **(Fre)**

[Training respiratory muscles in subjects with chronic obstructive bronchopneumopathy] Vandevenne A, et al. **Rev Pneumol Clin** 1984;40(5):285–92 (Eng. Abstr.) **(Fre)**

[Function of the respiratory muscles in acute cardiac decompensation] Aubier M, et al. **Schweiz Med Wochenschr** 1985 Feb 9;115(6):190–3 (Eng. Abstr.) **(Fre)**

[Electromyographic determination of the fatigability of respiratory and leg muscles before and after aortocoronary bypass operation] Worth H, et al. **Respiration** 1984; 46(1):33–44 (Eng. Abstr.) **(Ger)**

[Supravital electrical excitability of muscles] Henssge C, et al. **Z Rechtsmed** 1984;93(3):165–74 (Eng. Abstr.) **(Ger)**

[Electromyographic analysis of the leg muscles in the hemiplegic patients with equinovarus deformity of the foot] Iwaya T. **Nippon Seikeigeka Gakkai Zasshi** 1984 Oct;

58(10):961-73 (Eng. Abstr.) **(Jpn)**

[Elevation in upper part of trapezius muscles in FSH muscular dystrophy] Mano Y, et al. **Rinsho Shinkeigaku** 1985 Apr;25(4):448-53 (Eng. Abstr.) **(Jpn)**

[Postural responses to sudden forward tilting load in spinocerebellar degenerations—analysis of evoked responses and silent period] Muroga T, et al. **Rinsho Shinkeigaku** 1985 Jan;25(1):1-5 (Eng. Abstr.) **(Jpn)**

[Postural responses to a sudden forward tilting force in Parkinson's disease—analysis of surface electromyograms of leg muscles and in silent periods] Muroga T, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):135-40 (Eng. Abstr.) **(Jpn)**

[Communication by patients with late amyotrophic lateral sclerosis—a document creating system by input of muscular action potentials] Nishikawa S, et al. **Rinsho Shinkeigaku** 1984 Oct;24(10):963-7 (Eng. Abstr.) **(Jpn)**

[Stand for evaluating muscular efficiency and for exercises of the knee joint] Siwek W, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(5):487-9 (Eng. Abstr.) **(Pol)**

[Electromyographic examination of an artificial larynx after laryngectomy] Pruszewicz A, et al. **Otolaryngol Pol** 1984; 38(5):447-52 (Eng. Abstr.) **(Pol)**

[Changes in muscle work capacity and electrical activity during the development and compensation of fatigue under stressed muscle work] Monogarov VD. **Fiziol Cheloveka** 1984 Mar-Apr;10(2):299-309 **(Rus)**

[Electrophysiological indices of systemic brain activity based on the mobilization of functional reserves in muscle fatigue] Sologub EB, et al. **Fiziol Cheloveka** 1984 May-Jun; 10(3):375-84 **(Rus)**

[Disorders of microhemodynamics of the myocardium and skeletal muscle in partial restriction of the coronary blood flow] Gavrish AS, et al. **Fiziol Zh** 1984 Nov-Dec; 30(6):679-84 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the effect of weightlessness and its model on the velocity-strength properties and tonus of human skeletal muscles] Kozlovskaia IB, et al. **Kosm Biol Aviakosm Med** 1984 Nov-Dec;18(6):22-6 (Eng. Abstr.) **(Rus)**

[Soft tissues of the hip in patients with contractures of the knee joint] Kudrin BI, et al. **Ortop Travmatol Protez** 1985 Feb;(2):26-9 (Eng. Abstr.) **(Rus)**

[Muscle fiber density in motor muscle units at different stages of the development of a denervation-reinnervation process in man] Kasatkina LF. **Patol Fiziol Eksp Ter** 1985 Jan-Feb; (1):42-7 (Eng. Abstr.) **(Rus)**

[Functional and morphological changes in the crural muscles in the post-thrombophlebitis syndrome of the lower limbs] Bogdanov AS. **Vestn Khir** 1984 Aug;133(8):57-9 (Eng. Abstr.) **(Rus)**

[Blood circulation in the fingers and electric activity of the muscles after the surgical treatment of children with ectrodactylia] Iakovleva MI, et al. **Vestn Khir** 1985 Feb; 134(2):92-5 (Eng. Abstr.) **(Rus)**

[State of the neuromuscular system in patients with scoliosis during adaptation and complex sanatorium-health resort treatment] Burygina AD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun; (3):22-5 (Eng. Abstr.) **(Rus)**

[Effect of sinusoidal modulated currents on clinical and electromyographic indicators in patients with cervical osteochondrosis] Komarova LA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb; (1):37-40 (Eng. Abstr.) **(Rus)**

[Use of the method of electromyographic feedback with an assessment of the pull of an individual muscle in the early rehabilitation of patients with flaccid paralysis] Starobinets MKh, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun;(3):19-22 (Eng. Abstr.) **(Rus)**

[Prognosis of muscular weakness in lumbar radiculopathies based on a clinical evaluation of muscle strength] Zamurović A, et al. **Med Pregl** 1984;37(7-8):307-10 (Eng. Abstr.) **(Scr)**

[Disorders of peripheral innervation in coxarthrosis] Varga G, et al. **Acta Chir Orthop Traumatol Cech** 1984 Oct; 51(5):421-5 (Eng. Abstr.) **(Slo)**

[Respiratory muscle fatigue] Roncoroni AJ. **Medicina (B Aires)** 1984;44(2):211-5 **(Spa)**

RADIATION EFFECTS

Formulas for preparing phantom muscle tissue at various radiofrequencies. Chou CK, et al. **Bioelectromagnetics** 1984; 5(4):435-41

Primary fluorescence of rat muscle after CO2 laser thermal injury. Giordano PA, et al. **Lasers Surg Med** 1984; 4(3):271-8

The problem of tissue equivalence in negative pion dosimetry. Lewis CA. **Phys Med Biol** 1985 Jul;30(7):703-5

Studies of light propagation through tissue. Wilksch PA, et al. **Prog Clin Biol Res** 1984;170:149-61

[Electron microscopic study of the recovery of irradiated muscle as affected by regenerating muscle tissue] Eliakova GV, et al. **Dokl Akad Nauk SSSR** 1985;281(5):1219-21 **(Rus)**

RADIOGRAPHY

Computed tomographic findings in manifesting carriers of Duchenne muscular dystrophy. de Visser M, et al. **Clin Genet** 1985 Mar;27(3):269-75

Carrier detection in Duchenne muscular dystrophy using computed tomography. Stern LM, et al. **Clin Genet** 1985 Apr;27(4):392-7

Computed tomography of ilio-psoas muscle tumors. Wechsler RJ, et al. **Comput Radiol** 1984 Jul-Aug; 8(4):229-35

CT findings of metastatic breast carcinoma involving muscle. Yoshy C, et al. **J Comput Assist Tomogr** 1985 Sep-Oct; 9(5):967-8

Esophageal speech: double-contrast evaluation of the pharyngo-esophageal segment. Gatenby RA, et al. **Radiology** 1985 Oct;157(1):127-31

The significance of x-ray examinations of limb musculature in neuromuscular diseases with special regard to childhood diseases. Pálvölgyi R, et al. **Rontgenblatter** 1985 Jun; 38(6):186-9

Estimation of fat-free mass from stature and X-ray muscle widths at thigh and calf regions in Indian males. Bharadwaj H, et al. **Z Morphol Anthropol** 1984;75(1):107-11

[The striated sphincter of the urethra. 2: Specific methods for studying the striated sphincter of the urethra] De Leval J, et al. **J Urol (Paris)** 1984;90(8-9):515-27 (50 ref.) (Eng. Abstr.) **(Fre)**

[Muscular scanning in polyarthritis and rheumatology] Serratrice G, et al. **Rev Rhum Mal Osteoartic** 1985 May; 52(5):313-5 (Eng. Abstr.) **(Fre)**

[Computed tomography of the skeletal muscles in neuromuscular diseases] Rodiek SO, et al. **ROFO** 1985 Jun; 142(6):663-9 (Eng. Abstr.) **(Ger)**

[Technic for computed tomographic study of skeletal muscles in neuromuscular diseases] Rodiek SO, et al. **ROFO** 1985 Jul;143(1):24-8 (Eng. Abstr.) **(Ger)**

[Computed tomography in Duchenne type muscular dystrophy—morphological stages based on the computed tomographical findings] Kawai M, et al. **Rinsho Shinkeigaku** 1985 May;25(5):578-90 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Abnormal Tc-99m MDP skeletal muscle tomoscintigraphic images characterizing a case of severe rhabdomyolysis. Bouvier JF, et al. **Clin Nucl Med** 1985 Feb;10(2):105

Selective, symmetric, skeletal muscle uptake of Tc-99m pyrophosphate in rhabdomyolysis. Haseman MK, et al. **Clin Nucl Med** 1985 Mar;10(3):180-3

Scintigraphic appearance of the piriformis muscle syndrome. Karl RD Jr, et al. **Clin Nucl Med** 1985 May;10(5):361-3

Methylene diphosphonate uptake in traumatized muscles. Maslack MM, et al. **Clin Nucl Med** 1984 Sep;9(9):491-2

Muscle localization of Tc-99m MDP after exertion. Valk P. **Clin Nucl Med** 1984 Sep;9(9):493-4

The effect of DMSO treatment on the performance of [99mTc]HEDP. Bugaj JE, et al. **Int J Nucl Med Biol** 1984; 11(2):109-11

SECRETION

Effects of the hyperglycaemic agent 3-aminopicolinate on amino acid release by rat muscle in vitro. Snell K, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):2032-4

ATP release from pig muscles during exercise measured by the firefly luminescence technique. Wulf HC, et al. **Biomed Biochim Acta** 1984;43(10):1173-7

SURGERY

Shoulder function after deltoid muscle removal. Markhede G, et al. **Acta Orthop Scand** 1985 Jun;56(3):242-4

Pseudo-internuclear ophthalmoplegia after surgical paresis of the medial rectus muscle. von Noorden GK, et al. **Am J Ophthalmol** 1984 Nov;98(5):602-8

The transfer of the abductor digiti quinti: palliative treatment for paralysis of the superficial thenar muscles. Iselin F, et al. **Ann Chir Main** 1984;3(3):207-14 **(Eng, Fre)**

Transfer of the abductor digiti minimi (quinti) in radial deformities of the hand in children. Oberlin C, et al. **Ann Chir Main** 1984;3(3):215-20 **(Eng, Fre)**

Relief of dysphagia in motor neurone disease with cricopharyngeal myotomy. David VC. **Ann R Coll Surg Engl** 1985 Jul;67(4):229-31

Closure of postpneumonectomy empyema space [letter] Bush RG. **Ann Thorac Surg** 1985 Jul;40(1):97-8

Margin limbal distance to determine amount of levator resection. Sarver BL, et al. **Arch Ophthalmol** 1985 Mar; 103(3):354-6

Measurement of alternative blood flow in the porcine panniculus carnosus myocutaneous flap. Cummings CW, et al. **Arch Otolaryngol** 1985 Sep;111(9):598-600

Pharyngoesophageal dysfunctions. The role of cricopharyngeal myotomy. Bonavina L, et al. **Arch Surg** 1985 May;120(5):541-9

Experience of posterior division of the puborectalis muscle in the management of chronic constipation. Barnes PR, et al. **Br J Surg** 1985 Jun;72(6):475-7

Radical retroperitoneal tumor surgery with resection of the psoas major muscle. Shafir M, et al. **Cancer** 1985 Aug 15; 56(4):929-33

Morphologic determinants of hemodynamic state after ventricular septal myotomy-myectomy in patients with obstructive hypertrophic cardiomyopathy: M mode and two-dimensional echocardiographic assessment. Spirito P, et al. **Circulation** 1984 Dec;70(6):984-95

Rotator cuff repair with carbon filament. A preliminary report of five cases. Post M. **Clin Orthop** 1985 Jun; (196):154-8

Treatment of trapezius paralysis. Bigliani LU, et al. **J Bone Joint Surg [Am]** 1985 Jul;67(6):871-7

Dupuytren's disease arising from the abductor digiti minimi. Barton NJ. **J Hand Surg [Br]** 1984 Oct;9(3):265-70

Rheumatoid arthritis at the base of the thumb treated by trapezium resection or implant arthroplasty. Kvarnes L, et al. **J Hand Surg [Br]** 1985 Jun;10(2):195-6

Radiographic comparison of adductor procedures in cerebral palsied hips. Schultz RS, et al. **J Pediatr Orthop** 1984 Nov; 4(6):741-4

The supraclavicular approach to scalenectomy and first rib resection: description of technique. Sanders RJ, et al. **J Vasc Surg** 1985 Sep;2(5):751-6

Intramuscular hemangioma of the head and neck. Wolf GT, et al. **Laryngoscope** 1985 Feb;95(2):210-3

Calf augmentation: a new calf prosthesis. von Szalay L. **Plast Reconstr Surg** 1985 Jan;75(1):83-7

Myotomy of the cricopharyngeal muscle. A treatment for dysphagia and aspiration in neurological disorders. Gay I, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(3):271-4

Muscle transposition for treatment of osteomyelitis of the tibia. Thomsen PB, et al. **Scand J Plast Reconstr Surg** 1985; 19(1):81-5

An autologous hemostatic agent. James AG, et al. **Surg Gynecol Obstet** 1984 Oct;159(4):381-2

Anterior approach for resection of the first rib and total scalenotomy. Sendzischew H, et al. **Surg Gynecol Obstet** 1985 Mar;160(3):275-6

[Modified Schwartmann-Crego operation for paralysed quadriceps femoris] Zhong SP. **Chung Hua Wai Ko Tsa Chih** 1984 Jul;22(7):432-3, 447 (Eng. Abstr.) **(Chi)**

[Transposition of the gluteus minimus in spastic hip. Apropos of 11 cases] Baciu CC. **Ann Chir** 1984 Sep;38(6):435-8 (Eng. Abstr.) **(Fre)**

[Lesions of the rotator cuff of the shoulder. Surgical treatment. Apropos of 100 surgically treated cases] Kenesi C, et al. **Rev Rhum Mal Osteoartic** 1985 Feb;52(2):85-9 (Eng. Abstr.) **(Fre)**

[Steindler-plasty in paralysis of the elbow flexor muscles] Martini AK, et al. **Handchir Mikrochir Plast Chir** 1985 Jan;17(1):23-6 (Eng. Abstr.) **(Ger)**

[Subcutaneous tenotomy of the sternocleidomastoid muscle as therapy in muscular torticollis] Kraft A, et al. **Z Orthop** 1985 Jan-Feb;123(1):35-7 (Eng. Abstr.) **(Ger)**

[Myectomy of the arytenoid in bilateral paralysis in adduction of the vocal cords: microsurgical technic by endoscopic approach] Arrais A, et al. **Rev Paul Med** 1985 Jan-Feb; 103(1):36-40 (Eng. Abstr.) **(Por)**

[Amputation of the lower limbs with fixation of the muscles to the bone] Shevchuk VI. **Ortop Travmatol Protez** 1985 Jun;(6):27-31 (Eng. Abstr.) **(Rus)**

[Musculotendinous alloplasty in patients with infantile cerebral palsy] Umkhanov KhA. **Vestn Khir** 1985 Apr; 134(4):95-7 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Mandible reconstruction with the trapezius osteomusculocutaneous flap. Panje WR. **Arch Otolaryngol** 1985 Apr;111(4):223-9

Exercise or overloading: effect on skeletal muscle grafts of rats. Mong FS, et al. **Arch Phys Med Rehabil** 1985 Jul; 66(7):439-42

Rectus femoris muscle grafts performed with and without vascular anastomosis: an experimental study in the rabbit. Guelinckx PJ, et al. **Br J Plast Surg** 1984 Oct;37(4):584-95

Shoulder function following the loss of the latissimus dorsi muscle. Laitung JK, et al. **Br J Plast Surg** 1985 Jul; 38(3):375-9

Injury to the brachial plexus resulting from shoulder positioning during latissimus dorsi flap pedicle dissection. Logan AM, et al. **Br J Plast Surg** 1985 Jul;38(3):380-2

Rib-latissimus dorsi osteomyocutaneous flap in reconstruction of a mandibular defect. Maruyama Y, et al. **Br J Plast Surg** 1985 Apr;38(2):234-7

A pig model for investigation of muscle and myocutaneous flaps. Millican PG, et al. **Br J Plast Surg** 1985 Jul; 38(3):364-8

Peripheral neovascularisation of muscle and musculocutaneous flaps. Millican PG, et al. **Br J Plast Surg** 1985 Jul;38(3):369-74

Autotransplantation of skeletal muscle into myocardium. Sola OM, et al. **Circulation** 1985 Feb;71(2):341-8

Gracilis muscle transposition in the treatment of fecal incontinence. Long-term follow-up and evaluation of anal pressure recordings. Leguit P Jr, et al. **Dis Colon Rectum** 1985 Jan;28(1):1-4

Calcium uptake by sarcoplasmic reticulum from nerve-intact and standard skeletal muscle grafts. Poland JL, et al. **Experientia** 1985 Feb 15;41(2):254-6

Cutaneous versus myocutaneous flaps in the repair of major defects in head and neck cancer: a study of 331 flaps. Faucher A, et al. **Head Neck Surg** 1984 Dec;7(2):104-9

The trapezius musculocutaneous flap in head and neck reconstruction: potential pitfalls. Nichter LS, et al. **Head Neck Surg** 1984 Dec;7(2):129-34

Walking ability after transplantation of the iliopsoas. A long-term follow-up. Stillwell A, et al.

J Bone Joint Surg [Br] 1984 Nov;66(5):656-9

Basement membrane component changes in skeletal muscle transplants undergoing regeneration or rejection. Gulati AK. **J Cell Biochem** 1985;27(4):337-46

Free microvascular transfer of second toe ray and serratus anterior muscle for management of thumb loss at the carpometacarpal joint level. Gordon L, et al. **J Hand Surg [Am]** 1984 Sep;9(5):642-4

The levator scapulae muscle flap. A new use. Marks NJ, et al. **J Laryngol Otol** 1985 May;99(5):471-4

The sternocleidomastoid muscle as a muscular or myocutaneous flap for oral and facial reconstruction. Marx RE, et al. **J Oral Maxillofac Surg** 1985 Mar;43(3):155-62

Latissimus dorsi transfer to restore elbow extension in obstetrical palsy. Jones BN, et al. **J Pediatr Orthop** 1985 May-Jun;5(3):287-9

Skeletal muscle graft for myocardial repair [letter] Macoviak JA. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 1):793-4

Myocardial substitution with a stimulated skeletal muscle: first successful clinical case [letter] Carpentier A, et al. **Lancet** 1985 Jun 1;1(8440):1267

A review of free muscle grafting. Cedars MG, et al. **Plast Reconstr Surg** 1984 Nov;74(5):712-20 (115 ref.)

Shoulder defect correction with the island latissimus dorsi flap. Cohen BE. **Plast Reconstr Surg** 1984 Nov;74(5):650-6

Muscle-transfer surgery [letter] Crumley RL. **Plast Reconstr Surg** 1985 Sep;76(3):481-2

Functional properties of palmaris longus muscles of rhesus monkeys transplanted as index finger flexors. Markley JM Jr, et al. **Plast Reconstr Surg** 1985 Oct;76(4):574-9

A double-split gluteus maximus muscle flap for reconstruction of the rectal sphincter. Orgel MG, et al. **Plast Reconstr Surg** 1985 Jan;75(1):62-7

Vastus medialis myocutaneous and myocutaneous-tendinous composite flaps. Tobin GR. **Plast Reconstr Surg** 1985 May;75(5):677-85

The latissimus dorsi flap. An overview. Lassen M, et al. **Scand J Plast Reconstr Surg** 1985;19(1):41-51 (76 ref.)

Experience with the latissimus dorsi flap. Nielsen IM, et al. **Scand J Plast Reconstr Surg** 1985;19(1):53-63

Cross-face nerve grafting followed by free muscle transplantation in young patients with long-standing facial paralysis. Reanimation of the cheek and the angle of the mouth. Vedung S, et al. **Scand J Plast Reconstr Surg** 1984;18(2):201-8

Potential uses of skeletal muscle for myocardial assistance. Mannion JD, et al. **Surg Clin North Am** 1985 Jun;65(3):679-87 (29 ref.)

[Free autogenous skeletal muscle transplantation for anal incontinence in children--animal experiment and clinical application] Liu GL. **Chung Hua Wai Ko Tsa Chih** 1984 Sep;22(9):519-21, 572 (Eng. Abstr.) **(Chi)**

[Experimental study on intra-tissue pressure, PO2 and degeneration in free-muscle transplantation] Zhu SX. **Chung Hua Wai Ko Tsa Chih** 1984 Oct;22(10):598-601, 637-8 (Eng. Abstr.) **(Chi)**

[Restoration of elbow extension in the tetraplegic by transplantation of the posterior deltoid. Study of 21 cases] Allieu Y, et al. **Rev Chir Orthop** 1985;71(3):195-200 (Eng. Abstr.) **(Fre)**

[Transplantation of the posterior tibial muscle in peripheral paralysis of the peroneal nerve] Mayer G, et al. **Beitr Orthop Traumatol** 1984 Aug;31(8):396-401 (Eng. Abstr.) **(Ger)**

[Efficiency and limits of the dynamic cruciate ligament replacement operation using Lindemann's method in chronic ligament instability] Zeumer B, et al. **Beitr Orthop Traumatol** 1984 Sep;31(9):460-7 (Eng. Abstr.) **(Ger)**

[Musculo-cutaneous free graft, using the latissimus dorsi muscle, in substitution of soft tissue and for improvement of blood circulation in the forearm] Simonka JA, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985;28(3):211-5 (Eng. Abstr.) **(Hun)**

[Experimental study on free muscle transplantation--histological changes and functional recovery of transplanted muscles in relation to the duration of ischemia and denervation] Yasunaga H. **Nippon Seikeigeka Gakkai Zasshi** 1984 Dec;58(13):1267-79 (Eng. Abstr.) **(Jpn)**

[Free functional musculocutaneous transfer--electrophysiological and neuropathological studies] Ugawa Y, et al. **Rinsho Shinkeigaku** 1985 Jan;25(1):58-64 (Eng. Abstr.) **(Jpn)**

[Free cutaneous and musculo-cutaneous flaps in the treatment of open fractures of crural bones and points of resistance] Kobus K, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(3):239-44 (Eng. Abstr.) **(Pol)**

[Determination of the territorial range of flaps from the gastrocnemius muscle] Olszewski G, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(5):483-6 (Eng. Abstr.) **(Pol)**

[Tissue correlates in the autotransplantation of skeletal muscle tissue into the brain of rats] Motskobili EI. **Dokl Akad Nauk SSSR** 1985;281(3):694-7 **(Rus)**

[Free transplantation of tissue complexes with microanastomosis of blood vessels and nerves as a new method for plastic surgery of the limbs] Tkachenko SS, et al. **Ortop Travmatol Protez** 1984 Dec;(12):1-5 (Eng. Abstr.) **(Rus)**

[A method of reconstructing the Filatov pedicle] Dmitriev GI. **Vestn Khir** 1985 Feb;134(2):109-10 (Eng. Abstr.) **(Rus)**

[Transmyoplasty in the treatment of chronic osteomyelitis of the legs] Nikitin GD, et al. **Vestn Khir** 1985 Mar;134(3):95-100 (Eng. Abstr.) **(Rus)**

[Bone and bone-muscle autoplasty in the treatment of chronic osteomyelitis] Nikitin GD, et al. **Vestn Khir** 1984 Nov;133(11):110-6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural peculiarities of the inner portion of the circular layer of colon. I. Research in the human. Faussone Pellegrini MS, et al. **Acta Anat (Basel)** 1984;120(4):185-9

Ultrastructure of lipofuscin granules in normal human skeletal muscles. Finol H, et al. **Acta Cient Venez** 1984;35(5-6):414-8

Familial periodic paralysis with hypokalaemia. Study of a muscle biopsy in the myopathic stage of the disorder. Martin JJ, et al. **Acta Neurol Belg** 1984 Nov-Dec;84(5):233-42

Myosins A & B in the organization of myofilaments. Epstein HF. **Adv Exp Med Biol** 1985;182:215-22

Mitochondrial distribution in hamster cremaster muscle. Klitzman B, et al. **Adv Exp Med Biol** 1984;180:695-700

Myoepithelial cell ultrastructure in the submandibular gland of man. Nagashima Y, et al. **Anat Embryol (Berl)** 1985;171(3):259-65

Structure of muscle filaments studied by electron microscopy. Amos LA. **Annu Rev Biophys Biophys Chem** 1985;14:291-313 (62 ref.)

Freeze-replica observations of guinea pig middle ear muscles. Tachibana M, et al. **Auris Nasus Larynx** 1984;11(2):73-7

Simultaneous preparation of membrane fractions from small amounts of skeletal muscle: a study on mitochondrial and microsomal fractions from MedJ mice. Rock E, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):113-9

Tryptic digestion of rabbit skeletal myofibrils: an enzymatic probe of myosin cross-bridges. Chen T, et al. **Biochemistry** 1984 May 22;23(11):2400-7

Specific binding of dexamethasone to plasma membranes from skeletal muscle. Savart M, et al. **Biochim Biophys Acta** 1985 Feb 28;813(1):87-95

Cysteine proteinase content of rat muscle lysosomes. Evidence for an unusual proteinase activity. Obled A, et al. **Biochimie** 1984 Sep-Oct;66(9-10):609-16

X-ray diffraction evidence for cross-bridge formation in relaxed muscle fibers at various ionic strengths. Brenner B, et al. **Biophys J** 1984 Sep;46(3):299-306

Lipid phase of transverse tubule membranes from skeletal muscle. An electron paramagnetic resonance study. Hidalgo C. **Biophys J** 1985 Jun;47(6):757-64

Disassembly kinetics of thick filaments in rabbit skeletal muscle fibers. Effects of ionic strength, Ca2+ concentration, pH, temperature, and cross-bridges on the stability of thick filament structure. Higuchi H, et al. **Biophys J** 1985 Mar;47(3):267-75

Disassembly from both ends of thick filaments in rabbit skeletal muscle fibers. An optical diffraction study. Ishiwata S, et al. **Biophys J** 1985 Mar;47(3):257-66

Depolarization spectrum of diffracted light from muscle fiber. The intrinsic anisotropy component. Yeh Y, et al. **Biophys J** 1985 May;47(5):739-42

A nonsense mutation within the act88F actin gene disrupts myofibril formation in Drosophila indirect flight muscles. Karlik CC, et al. **Cell** 1984 Oct;38(3):711-9

Synaptic membrane fractions from muscles: biochemical and morphological characteristics. Venkov L, et al. **Cell Mol Biol** 1984;30(4):345-52

A periodic cytoskeletal lattice in striated muscle. Cooke P. **Cell Muscle Motil** 1985;6:287-313 (56 ref.)

Localization and function of M-line-bound creatine kinase. M-band model and creatine phosphate shuttle. Wallimann T, et al. **Cell Muscle Motil** 1985;6:239-85 (185 ref.)

Sarcomere-associated cytoskeletal lattices in striated muscle. Review and hypothesis. Wang K. **Cell Muscle Motil** 1985;6:315-69 (189 ref.)

Morphometry of muscle fibre types in the carp (Cyprinus carpio L.). Relationships between structural and contractile characteristics. Akster HA. **Cell Tissue Res** 1985;241(1):193-201

Ultrastructure of muscle fibers and cells synthesizing DNA in lymph hearts of developing frogs and chick embryos. Markozashvili MI, et al. **Cell Tissue Res** 1984;238(2):369-79

The three-dimensional structure of motor endplates in different fiber types of rat intercostal muscle. A scanning electron-microscopic study. Ogata T, et al. **Cell Tissue Res** 1985;241(3):465-72

Ultrastructural and histochemical abnormalities of skeletal muscle in a patient with a new variant (type Homburg) of glucosephosphate isomerase (GPI) deficiency. Bardosi A, et al. **Clin Neuropathol** 1985 Mar-Apr;4(2):72-6

Tubular aggregates in skeletal muscle: toxic or metabolic nature? [letter] Dastur DK. **Clin Neuropathol** 1984 Nov-Dec;3(6):266-7

Fabry's disease: an ultrastructural study of muscle and peripheral nerve. Vital A, et al. **Clin Neuropathol** 1984 Jul-Aug;3(4):168-72

The effect of zinc on the ultrastructure of the trunk muscle of the larva of Clupea harengus L. Somasundaram B, et al. **Comp Biochem Physiol [C]** 1984;79(2):311-5

A comparative study of the membrane structure in different types of muscle fibers in the frog. Verma V. **Eur J Cell Biol** 1984 Sep;35(1):122-8

Morphological studies of peripheral nerves and skeletal muscles of an adult case with adrenoleukomyeloneuropathy. Kumamoto T, et al. **Eur Neurol** 1985;24(4):229-36

Histochemical and electronmicroscopical analysis of muscle fiber in myotomes of teleost fish (Noemacheilus barbatulus L.). Kilarski W, et al. **Gegenbaurs Morphol Jahrb** 1985;131(1):55-72

Arrangement and density of junctional feet in crayfish muscle fibres. Uhrík B, et al. **Gen Physiol Biophys** 1984 Dec;3(6):441-5

Freeze drying and freeze substitution combined with low temperature-embedding. Preparation techniques for microprobe analysis of biological soft tissues. Wróblewski R, et al. **Histochemistry** 1984;81(5):469-75

X-linked recessive myotubular myopathy: II. Muscle morphology and human myogenesis. Ambler MW, et al. **Hum Pathol** 1984 Dec;15(12):1107-20

Pathomorphologic aspects of muscular tissue in diabetes mellitus. Fischer VW, et al. **Hum Pathol** 1984 Dec;15(12):1127-36

Morphological changes in myofibrils and glycerinated muscle fibers on treatment with cathepsins D and L. Matsukura U, et al. **Int J Biochem** 1984;16(9):957-62

Clofibrate-induced muscular syndrome. Case report with ultrastructural findings and review of the literature. Rimon D, et al. **Isr J Med Sci** 1984 Nov;20(11):1082-6

I-protein is localized at the junctional region of A-bands and I-bands of chicken fresh myofibrils. Ohashi K, et al. **J Biochem (Tokyo)** 1985 May;97(5):1323-8

Three-dimensional image analysis of the complex of thin filaments and myosin molecules from skeletal muscle. IV. Reconstitution from minimal- and high-dose images of the actin-tropomyosin-myosin subfragment-1 complex. Toyoshima C, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):219-43

Three-dimensional image analysis of the complex of thin filaments and myosin molecules from skeletal muscle. V. Assignment of actin in the actin-tropomyosin-myosin subfragment-1 complex. Toyoshima C, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):245-63

The lower-extremity musculature in chronic symptomatic instability of the anterior cruciate ligament. Gerber C, et al. **J Bone Joint Surg [Am]** 1985 Sep;67(7):1034-43

Myosin and paramyosin are organized about a newly identified core structure. Epstein HF, et al. **J Cell Biol** 1985 Mar;100(3):904-15

Subunit structure of junctional feet in triads of skeletal muscle: a freeze-drying, rotary-shadowing study. Ferguson DG, et al. **J Cell Biol** 1984 Nov;99(5):1735-42

Does actin bind to the ends of thin filaments in skeletal muscle? Ishiwata S, et al. **J Cell Biol** 1985 Jan;100(1):282-91

Thermal stability of the helical structure of type IV collagen within basement membranes in situ: determination with a conformation-dependent monoclonal antibody. Linsenmayer TF, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1405-9

Connectin filaments in stretched skinned fibers of frog skeletal muscle. Maruyama K, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1391-7

Association of the postsynaptic 43K protein with newly formed acetylcholine receptor clusters in cultured muscle cells. Peng HB, et al. **J Cell Biol** 1985 May;100(5):1698-705

The presence of two skeletal muscle alpha-actinins correlates with troponin-tropomyosin expression and Z-line width. Schachat FH, et al. **J Cell Biol** 1985 Sep;101(3):1001-8

Vinculin in subsarcolemmal densities in chicken skeletal muscle: localization and relationship to intracellular and extracellular structures. Shear CR, et al. **J Cell Biol** 1985 Jul;101(1):240-56

The Golgi apparatus remains associated with microtubule organizing centers during myogenesis. Tassin AM, et al. **J Cell Biol** 1985 Aug;101(2):630-8

Fate of microtubule-organizing centers during myogenesis in vitro. Tassin AM, et al. **J Cell Biol** 1985 Jan;100(1):35-46

Distributions of vimentin and desmin in developing chick myotubes in vivo. II. Immunoelectron microscopic study. Tokuyasu KT, et al. **J Cell Biol** 1985 Apr;100(4):1157-66

A novel procedure for pattern analysis of features present on freeze-fractured plasma membranes. Appleyard ST, et al. **J Cell Sci** 1985 Mar;74:105-17

Adaptability of ultrastructure in the mammalian muscle. Eisenberg BR. **J Exp Biol** 1985 Mar;115:55-68

Structural and functional development of cricket ring muscles. Ready NE, et al. **J Exp Zool** 1985 Jan;233(1):35-50

The thin filament of vertebrate skeletal muscle co-operatively activates as a unit. Brandt PW, et al. **J Mol Biol** 1984 Dec 5;180(2):379-84

DNA rearrangements of the actin gene cluster in Caenorhabditis elegans accompany reversion of three muscle mutants. Landel CP, et al. **J Mol Biol** 1984 Dec 15;180(3):497-513

Cryo-electron microscopy of vitrified insect flight muscle. McDowall AW, et al. **J Mol Biol** 1984 Sep 5;178(1):105-11

Dominant mutations affecting muscle structure in Caenorhabditis elegans that map near the actin gene cluster. Waterston RH, et al. **J Mol Biol** 1984 Dec 15;180(3):473-96

An intensity expression of optical diffraction from striated muscle fibres. Fujime S. **J Muscle Res Cell Motil** 1984 Oct;5(5):577-87

Fine structures in the light diffraction pattern of striated muscle. Leung AF. **J Muscle Res Cell Motil** 1984 Oct;5(5):535-58

Crystallization of intramembrane particles in rabbit sarcoplasmic reticulum vesicles by vanadate. Peracchia C, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):431-42

The structure and disposition of crossbridges in deep-etched fish muscle. Varriano-Marston E, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):363-86

Behavior of sarcotubular system formation in experimentally induced regeneration of muscle fibers. Miike T, et al. **J Neurol Sci** 1984 Aug;65(2):193-200

Freeze-fracture studies of denervated and tenotomized rat muscle. Sirken SM, et al. **J Neuropathol Exp Neurol** 1985 Mar;44(2):147-55

Structure of axon terminals and active zones at synapses on lizard twitch and tonic muscle fibers. Walrond JP, et al. **J Neurosci** 1985 May;5(5):1118-31

Electrophoretic and ultrastructural analysis of the rabbit's striated external urethral sphincter. Tokunaka S, et al. **J Urol** 1984 Nov;132(5):1040-3

Na channels in skeletal muscle concentrated near the neuromuscular junction. Beam KG, et al. **Nature** 1985 Feb 14-20;313(6003):588-90

Quick-frozen crossbridges [editorial] Clarke M. **Nature** 1985 Sep 12-18;317(6033):113-4

Intensification of the 5.9-nm actin layer line in contracting muscle. Matsubara I, et al. **Nature** 1984 Nov 29-Dec 5;312(5993):471-3

Duchenne dystrophy: reduced density of orthogonal array subunit particles in muscle plasma membrane. Wakayama Y, et al. **Neurology (NY)** 1984 Oct;34(10):1313-7

An electron microscopic study of alterations in mouse peripheral nerve and skeletal muscle after chlordecone exposure. Phillips DE, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):141-50

Fine structure of the sphincter and dilator muscles of the pupil of the mouse. Yamashita T. **Okajimas Folia Anat Jpn** 1984 Aug;61(2-3):161-5

Fetal alcohol myopathy. Adickes ED, et al. **Pediatr Pathol** 1983 Oct-Dec;1(4):369-84

Morphology of acute myopathy associated with influenza B infection. Bove KE, et al. **Pediatr Pathol** 1983 Jan-Mar;1(1):51-66

Influences of endurance training on the ultrastructural composition of the different muscle fiber types in humans. Howald H, et al. **Pflugers Arch** 1985 Apr;403(4):369-76

The musculus complexus of normal and dystrophic chicken embryos. Allen ER. **Poult Sci** 1984 Oct;63(10):2087-93

Separation and qualitative recovery of major proteins from a single sample of skeletal muscle. Malin EL, et al. **Prep Biochem** 1984 Aug;14(3):281-302

Identification of cells by backscattered electron imaging of silver stained bulk tissues in scanning electron microscopy. Horiguchi T, et al. **Stain Technol** 1984 May;59(3):143-8

Freeze-fracture of frog slow tonic fibers. Structure of surface and internal membranes. Franzini-Armstrong C. **Tissue Cell** 1984;16(4):647-64

[Contralateral effects of limb removal in the chick embryo] Giordano S, et al. **Bull Assoc Anat (Nancy)** 1984 Mar;68(200):45-52 (Eng. Abstr.) **(Fre)**

[Morphology of metabolic myopathies] Pongratz D, et al. **Monatsschr Kinderheilkd** 1984 Aug;132(8):574-80 (14 ref.) (Eng. Abstr.) **(Ger)**

[Diffuse rheumatoid nodules in the skeletal musculature in rheumatoid arthritis] Császár A, et al. **Morphol Igazsagugyi Orv Sz** 1984 Jul;24(3):220-7 (Eng. Abstr.) **(Hun)**

[Scanning electron microscopy of muscles after tenotomy] Józsa L, et al. **Morphol Igazsagugyi Orv Sz** 1984 Oct;24(4):275-8 (Eng. Abstr.) **(Hun)**

[Nemaline bodies in striated muscles of animals with alloxan diabetes] Pogátsa G, et al. **Morphol Igazsagugyi Orv Sz** 1985 Jan;25(1):21-4 (Eng. Abstr.) **(Hun)**

[Ultrastructure of the skeletal muscle fibers of athletes with various specializations and qualifications] Ivanitskaia VV, et al. **Arkh Anat Gistol Embriol** 1985 Jan;88(1):43-50 (Eng. Abstr.) **(Rus)**

[Changes the structural elements of the organs of bats during periods of activity and hibernation] Klika E, et al. **Arkh Anat Gistol Embriol** 1984 Sep;87(9):47-52 (Eng. Abstr.) **(Rus)**

[Ultrastructural and biochemical changes in the muscle tissue of Notothenia nudifrons L. during prolonged cold preservation] Lebskaia TK, et al. **Arkh Anat Gistol Embriol** 1985 Feb;88(2):64-71 (Eng. Abstr.) **(Rus)**

[Isolation and characteristics of the neurotoxin from the spider Segestria florentina] Sagdiev NZh, et al. **Dokl Akad Nauk SSSR** 1985;282(2):463-5 **(Rus)**

[Ultrastructural organization of the neuromuscular synapses in red muscle fibers of rats during increased motor activity] Umnova MM, et al. **Dokl Akad Nauk SSSR** 1985;280(5):1239-41 **(Rus)**

[Effect of hydrocortisone on the membrane properties of innervated and denervated muscle fibers in frogs] Poletaev GI, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):802-7 (Eng. Abstr.) **(Rus)**

[Structural changes in muscle fiber contractile proteins studied by polarization ultraviolet fluorescence microscopy. VIII. The effect of glutaraldehyde and phalloidine on F-actin conformation] Borovikov IuS. **Tsitologiia** 1984 Nov;26(11):1262-6 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the muscle fibers of the rat diaphragm and the dynamics of intracellular calcium redistribution as affected by an anticholinesterase substance—chlorophos] Tomilin NV, et al. **Tsitologiia** 1985 Jun;27(6):633-8 (Eng. Abstr.) **(Rus)**

[Ultrastructural muscle study of chronic alcoholic patients with and without myopathy] Urbano-Márquez A, et al. **Med Clin (Barc)** 1985 Apr 30;84(16):647-50 (Eng. Abstr.) **(Spa)**

MUSCULAR ATROPHY

[Clinical and experimental amyotrophic leukospongiosis (progressive spinal amyotrophy)] Votiakov VI, et al. **Zh Nevropatol Psikhiatr** 1985;85(3):330-3 (Eng. Abstr.) **(Rus)**

BLOOD

Levels of blood-bourne factors and cytosol glucocorticoid receptors during the initiation of muscle atrophy in rodent hindlimbs. Nicholson WF, et al. **Pflugers Arch** 1984 Aug;401(4):321-3

CEREBROSPINAL FLUID

[Immunofixation of the cerebrospinal fluid in post-poliomyelitis progressive muscular atrophy (letter)] Alvarez-Cermeño JC, et al. **Rev Clin Esp** 1985 Jun;177(1):45-6 **(Spa)**

CHEMICALLY INDUCED

Muscle atrophy and histopathology of the soleus in 6-mercaptopurine-treated rats. Jaweed MM, et al. **Exp Mol Pathol** 1985 Aug;43(1):74-81

Clofibrate-induced muscular syndrome. Case report with ultrastructural findings and review of the literature. Rimon D, et al. **Isr J Med Sci** 1984 Nov;20(11):1082-6

Depletion of [3H]methyltrienolone cytosol binding in glucocorticoid-induced muscle atrophy. Kurowski TT, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):215-21

COMPLICATIONS

Diaphragmatic paralysis due to spinal muscular atrophy. An unrecognised cause of respiratory failure in infancy? McWilliam RC, et al. **Arch Dis Child** 1985 Feb;60(2):145-9

Diaphragmatic paralysis due to spinal muscular atrophy [letter] Murphy NP, et al. **Arch Dis Child** 1985 May;60(5):495

Evidence that Charcot-Marie-tooth disease with tremor coincides with the Roussy-Levy syndrome. Barbieri F, et al. **Can J Neurol Sci** 1984 Nov;11(4 Suppl):534-40

Treatment of symptomatic foot and ankle deformities in the nonambulatory neuromuscular patient. Hsu JD, et al. **Foot Ankle** 1985 Mar-Apr;5(5):238-44

Nephropathy associated with Charcot-Marie-Tooth disease. Hara M, et al. **Int J Pediatr Nephrol** 1984 Jun;5(2):99-102

Focal segmental glomerulosclerosis and Charcot-Marie-Tooth disease [letter] Martini A, et al. **Int J Pediatr Nephrol** 1985 Apr-Jun;6(2):151

Vincristine neurotoxicity [letter] Chauncey TR, et al. **JAMA** 1985 Jul 26;254(4):507

Polyneuropathy following vincristine therapy in two patients with Charcot-Marie-Tooth syndrome. Hogan-Dann CM, et al. **JAMA** 1984 Nov 23-30;252(20):2862-3

Focal glomerulosclerosis associated with Charcot-Marie-Tooth disease. Gherardi R, et al. **Nephron** 1985;40(3):357-61

Anaesthesia for abdominal hysterectomy in Charcot-Marie-Tooth disease. A case report. Roelofse JA, et al. **S Afr Med J** 1985 Apr 13;67(15):605-6

Neuralgic amyotrophy with bilateral diaphragmatic palsy. Graham A, et al. **Thorax** 1985 Aug;40(8):635-6

[Anterior horn syndrome (spinal muscular atrophy) in Waldenström's disease] Kiehl U, et al. **Z Arztl Fortbild (Jena)** 1984;78(22):963-4 **(Ger)**

[Treatment of severe concave clubfoot in neural muscular atrophy] Imhäuser G. **Z Orthop** 1984 Nov-Dec;122(6):827-34 (Eng. Abstr.) **(Ger)**

[Neurogenic proximal muscular atrophy with rigid spine] Goto K, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):185-8 (Eng. Abstr.) **(Jpn)**

[Brachial plexus neuropathy (amyotrophic neuralgia) and infectious mononucleosis: report of a case] Kouyoumdjian JA. **Arq Neuropsiquiatr** 1984 Sep;42(3):289-93 (Eng. Abstr.) **(Por)**

[Progressive infantile spinal atrophy. Werdnig-Hoffmann disease] Sotelo-Cruz N, et al. **Bol Med Hosp Infant Mex** 1984 Jul;41(7):387-92 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Clinical study of proximal spinal muscular atrophy. Report on 89 cases. Tonali P, et al. **Ital J Neurol Sci** 1984 Dec;5(4):423-32

Juvenile muscular atrophy of distal upper extremities [letter] Tan CT. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):285-6

Fasciculation of the eyelids: an additional clue to clinical diagnosis in spinal muscular atrophy. Skouteli H, et al. **Neuropediatrics** 1984 Aug;15(3):145-6

[3 cases of scapulo-peroneal neurogenic amyotrophy (Dawidenkow's syndrome). Nosological situation in relation to Charcot-Marie-Tooth disease] Serratrice G, et al. **Rev Neurol (Paris)** 1984;140(12):738-40 (Eng. Abstr.) **(Fre)**

[Isolated post-traumatic damage of the musculocutaneous nerve] Träger D. **Unfallchirurg** 1985 Jan;88(1):20-1 (Eng. Abstr.) **(Ger)**

[Two cases of cervical intradural arachnoid cysts simulating juvenile muscular atrophy of a unilateral upper extremity (Hirayama's disease)] Oka N, et al. **Rinsho Shinkeigaku** 1985 May;25(5):614-9 (Eng. Abstr.) **(Jpn)**

[Case of probable spino-pontine degeneration] Drac H, et al. **Neurol Neurochir Pol** 1984 Sep-Oct;18(5):477-9 (Eng. Abstr.) **(Pol)**

[Case of Parsonage-Turner syndrome] Marks E. **Wiad Lek** 1984 Jul 15;37(14):1125-6 **(Pol)**

[Early diagnosis and differentiation of Charcot-Marie neural atrophy] Lobzin VS, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1601-5 (Eng. Abstr.) **(Rus)**

[Charcot-Marie neural amyotrophy (review)] Savchenko IuN. **Zh Nevropatol Psikhiatr** 1984;84(11):1718-22 (64 ref.) **(Rus)**

DRUG THERAPY

Partial purification from mammalian peripheral nerve of a trophic factor that ameliorates atrophy of denervated muscle. Davis HL, et al. **Exp Neurol** 1985 Jul;89(1):159-71

ETIOLOGY

Neurogenic muscular atrophy in Behcet's disease. Frayha RA, et al. **Clin Rheumatol** 1985 Jun;4(2):202-11

Bone and muscle atrophy with suspension of the rat. LeBlanc A, et al. **J Appl Physiol** 1985 May;58(5):1669-75

Post-polio syndrome. Bailey AA. **J Med Assoc Ga** 1985 Jul;74(7):510-1

Denervation in wasted hand muscles in a case of primary cerebellar ectopia without syringomyelia. Alani SM. **J Neurol Neurosurg Psychiatry** 1985 Jan;48(1):84-5

Neuralgic amyotrophy and polyradiculopathy during interferon therapy [letter] Bernsen PL, et al. **Lancet** 1985 Jan 5;1(8419):50

[3 cases of scapulo-peroneal neurogenic amyotrophy (Dawidenkow's syndrome). Nosological situation in relation to Charcot-Marie-Tooth disease] Serratrice G, et al. **Rev Neurol (Paris)** 1984;140(12):738-40 (Eng. Abstr.) **(Fre)**

[Significance of electroneurography in the diagnosis of diabetic amyotrophy (letter)] **Orv Hetil** 1985 Jul 28;126(30):1885 **(Hun)**

[Diabetic amyotrophy] Holländer E, et al. **Orv Hetil** 1985 Apr 14;126(15):915-7 (Eng. Abstr.) **(Hun)**

[Muscle atrophy associated with osteomalacia in secondary Fanconi's syndrome following kappa type Bence Jones myeloma] Goto J, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):301-6 (Eng. Abstr.) **(Jpn)**

[So-called parietal muscular atrophy] Drac H, et al. **Neurol Neurochir Pol** 1984 May-Jun;18(3):283-6 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Short latency somatosensory evoked potentials in Charcot-Marie-Tooth disease. A family with an intermediate form. Rossi A, et al. **Acta Neurol Scand** 1985 Feb;71(2):156-63

Late-childhood-onset spinal muscular atrophy in three Melanesian families in Papua New guinea. Scrimgeour EM, et al. **Am J Med Genet** 1984 Dec;19(4):769-77

A new X-linked syndrome with muscle atrophy, congenital contractures, and oculomotor apraxia. Wieacker P, et al. **Am J Med Genet** 1985 Apr;20(4):597-606

Werdnig-Hoffmann disease on Reunion Island: a founder effect? [letter] Schaap T. **Clin Genet** 1985 Jun;27(6):617-9

X-linked dominant Charcot-Marie-Tooth disease: suggestion of linkage with a cloned DNA sequence from the proximal Xq. Gal A, et al. **Hum Genet** 1985;70(1):38-42

X-linked bulbo-spinal neuronopathy of late onset: sporadic case. Fabbri R, et al. **Ital J Neurol Sci** 1985 Mar;6(1):113-4

Chronic proximal spinal muscular atrophy of childhood and adolescence: sex influence. Hausmanowa-Petrusewicz I, et al. **J Med Genet** 1984 Dec;21(6):447-50

Charcot-Marie-Tooth disease: study of a large kinship with an intermediate form. Rossi A, et al. **J Neurol** 1985;232(2):91-8

Distal amyotrophy of predominantly the upper limbs with pyramidal features in a large kinship. van Gent EM, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):266-9

Erythrocyte membrane abnormalities in patients with amyotrophic chorea with acanthocythosis. Part 2. Abnormal degradation of membrane proteins. Asano K, et al. **J Neurol Sci** 1985 May;68(2-3):161-73

Erythrocyte membrane abnormalities in patients with amyotrophic chorea with acanthocytosis. Part 1. Spin labeling studies and lipid analyses. Oshima M, et al. **J Neurol Sci** 1985 May;68(2-3):147-60

The steroid treatment of hereditary motor and sensory neuropathy. Prensky AL, et al. **Neuropediatrics** 1984 Oct;15(4):203-7

[Sex-linked familial form of progressive spinal amyotrophy in adults] Schanen A, et al. **Rev Neurol (Paris)** 1984;140(12):720-7 (Eng. Abstr.) **(Fre)**

[Chronic spinal amyotrophy with paralysis of the vocal cords:

Young-Harper syndrome] Serratrice G, et al. **Rev Neurol (Paris)** 1984;140(11):657-8 (Eng. Abstr.) **(Fre)**

[Wohlfart-Kugelberg-Welander syndrome in 2 sisters affected with progressive scoliosis] Po F, et al. **Chir Organi Mov** 1984;69(3):286-9 (Eng. Abstr.) **(Ita)**

[Familial hypoglycocorticism syndrome unresponsive to ACTH, achalasia, alacrima, with associated distal neuromyopathy] Degli Esposti A, et al. **Minerva Pediatr** 1985 May 15;37(9):353-9 (Eng. Abstr.) **(Ita)**

[Family with progressive myelopathic muscular atrophy with proximal distribution and onset in adulthood] Mapelli G. **Riv Patol Nerv Ment** 1983 Jul-Aug;104(4):159-70 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

The clinical manifestations of a genetically determined deficiency of the third component of complement in the dog. Blum JR, et al. **Clin Immunol Immunopathol** 1985 Mar; 34(3):304-15

HLA antigens and spinal muscular atrophy. Dick DJ, et al. **J Neurogenet** 1984 Sep;1(3):219-23

METABOLISM

Effect of hypokinesia-hypodynamia on rat muscle oxidative capacity and glucose uptake. Fell RD, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):R308-12

Androgen cytosol binding in exercise-induced sparing of muscle atrophy. Hickson RC, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E597-603

Proteolytic activity and calcium concentration in muscle wasting conditions. Garbin L, et al. **Boll Soc Ital Biol Sper** 1984 Aug 31;60(8):1551-65

Atrophy and growth failure of rat hindlimb muscles in tail-cast suspension. Jaspers SR, et al. **J Appl Physiol** 1984 Nov;57(5):1472-9

Carnitine and acyltransferase in experimental neurogenic atrophies: changes with treatment. Bresolin N, et al. **J Neurol** 1984;231(4):170-5

Astrocytic proteins in the dorsal and ventral roots in amyotrophic lateral sclerosis and Werdnig-Hoffmann disease. Brock TO, et al. **J Neuropathol Exp Neurol** 1984 Nov;43(6):609-19

[Two cases of progressive bulbospinal muscular atrophy of sex-linked recessive trait (Kennedy-Alter-Sung) with type IV hyperlipoproteinemia and fatty liver] Yamamoto R, et al. **Rinsho Shinkeigaku** 1984 May;24(5):441-6 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Progressive myoclonic epilepsy, nerve deafness and spinal muscular atrophy. Lance JW, et al. **Clin Exp Neurol** 1984; 20:141-51

Ultrastructural study of motoneurons in Werdnig-Hoffmann disease. Fidziańska A, et al. **Clin Neuropathol** 1984 Nov-Dec;3(6):260-5

The role of nerve lysosomal enzymes in the pathogenesis of denervation atrophy. Electromyographic and histochemical study in rats. Schwartz J, et al. **Histochemistry** 1985;82(1):33-8

The importance of quantitative electron microscopy in studying hypertrophic neuropathies. A comparison between a case of Déjérine Sottas disease (HMSN III) and a case of the hypertrophic form of Charcot-Marie-Tooth disease (HMSN I). Tredici G, et al. **Int J Tissue React** 1984;6(3):267-74

Chronic neurogenic quadriceps amyotrophies. Serratrice G, et al. **J Neurol** 1985;232(3):150-3

Muscle fibre type differentiation and satellite cell population in Werdnig-Hoffmann disease. Saito Y. **J Neurol Sci** 1985 Apr;68(1):75-87

Progressive dementia, visual deficits, amyotrophy, and microinfarcts. Kaplan JG, et al. **Neurology** 1985 Jun; 35(6):789-96

Morphometric approaches to perifascicular atrophy in muscle biopsy: do they help to diagnose polymyositis? Paljärvi L, et al. **Neuropathol Appl Neurobiol** 1984 Sep-Oct; 10(5):333-41

[Diabetes mellitus with atrophy of the mm. interossei of the upper extremities] Lazarov G, et al. **Vutr Boles** 1985; 24(2):102-6 (Eng. Abstr.) **(Bul)**

[Secondary myopathy in Werdnig-Hoffman disease] Vojáček K, et al. **Bratisl Lek Listy** 1984 Oct;82(4):1250-7 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

Recurrent neuralgic amyotrophy with vagus and phrenic nerve involvement. Dinsmore WW, et al. **Clin Neurol Neurosurg** 1985;87(1):39-40

Muscle wasting in the muscular dystrophies. Rennie MJ. **Dev Med Child Neurol** 1985 Aug;27(4):524-7

Canine gastrocnemius disuse atrophy: resistance to paralysis by dimethyl tubocurarine. Gronert GA, et al. **J Appl Physiol** 1984 Nov;57(5):1502-6

Wasting of the human quadriceps muscle after knee ligament injuries. Halkjaer-Kristensen J, et al. **Scand J Rehabil Med [Suppl]** 1985;13:5-55

[Visual, auditory and somatosensory pathway involvement in Charcot-Marie-Tooth disease] Tang XF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):357-62 (Eng. Abstr.) **(Chi)**

[Correlation of electrophysiologic findings in neural muscular atrophy] Haupt WF, et al. **Nervenarzt** 1985 Apr;56(4):214-7 (Eng. Abstr.) **(Ger)**

[Bulbospinal muscular atrophy with endocrinological abnormalities (Kennedy-Alter-Sung syndrome), with special reference to hypothalamo-pituitary dysfunction] Kitamoto T, et al. **Nippon Naika Gakkai Zasshi** 1984 Jun; 73(6):831-7 **(Jpn)**

[Endocrinological study of hypogonadism and feminization in patients with bulbar spinal muscular atrophy] Mukai E, et al. **Rinsho Shinkeigaku** 1984 Sep;24(9):925-9 (Eng. Abstr.) **(Jpn)**

[Value of the test with Nakom for assessing the state of the sympathoadrenal system in patients with different forms of progressive muscular dystrophy] Badalian LO, et al. **Lab Delo** 1984;(11):649-52 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

The effects of electrical stimulation on the quadriceps during postoperative knee immobilization. Morrissey MC, et al. **Am J Sports Med** 1985 Jan-Feb;13(1):40-5

RADIOGRAPHY

Computed tomography of paraspinal musculature in ankylosing spondylitis. Gordon TP, et al. **J Rheumatol** 1984 Dec;11(6):794-7

Major motor atrophic patterns in the face and neck: CT evaluation. Harnsberger HR, et al. **Radiology** 1985 Jun; 155(3):665-70

[Metrizamide CT myelography of Hirayama's disease with localized atrophy of the lower cervical spinal cord] Matsumura K, et al. **Rinsho Shinkeigaku** 1984 Aug; 24(8):848-52 (Eng. Abstr.) **(Jpn)**

[Abnormal radiological findings in juvenile-type distal and segmental muscular atrophy of the upper extremities] Mukai E, et al. **Rinsho Shinkeigaku** 1985 May;25(5):620-6 (Eng. Abstr.) **(Jpn)**

[Demonstration of central cavity in juvenile type of distal and segmental muscular atrophy of upper extremities] Mukai E, et al. **Rinsho Shinkeigaku** 1984 Jun;24(6):562-6 (Eng. Abstr.) **(Jpn)**

SURGERY

Surgical considerations in the presence of Charcot-Marie-Tooth disease. Fenton CF 3d, et al. **J Am Podiatry Assoc** 1984 Oct;74(10):490-8

Spinal surgery in spinal muscular atrophy. Daher YH, et al. **J Pediatr Orthop** 1985 Jul-Aug;5(4):391-5

MUSCULAR DISEASES

Neuropathology Section of the Italian Society of Neurology: 20th annual meeting. Tarquinia (Italy), May 25-26, 1984. Abstracts. **Acta Neurol (Napoli)** 1984 Oct;6(5):325-408

BLOOD

Circulating T cell subsets in the Lambert-Eaton myasthenic syndrome. Robb SA, et al. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):501-5

[The effect of massage on muscle infiltrations as assessed by myoglobin in the blood] Danneskiold-Samsøe B, et al. **Ugeskr Laeger** 1985 Jan 21;147(4):269-71 (Eng. Abstr.) **(Dan)**

[Recent clinical knowledge of cytoplasmic substances in myogenic and neuromuscular diseases, especially in muscular dystrophy, Duchenne type] Beckmann R. **Wien Klin Wochenschr** 1984 Aug 31;96(16):599-611 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Acute hypokalaemic myopathy with lipid storage during chlortalidone therapy. Lovaste MG, et al. **Acta Neurol (Napoli)** 1984 Dec;6(6):424-31

Drug-induced myasthenic syndromes. Kaeser HE. **Acta Neurol Scand [Suppl]** 1984;100:39-47 (72 ref.)

Warfarin-induced iliopsoas hemorrhage with subsequent femoral nerve palsy. King RB, et al. **Ann Emerg Med** 1985 Apr;14(4):362-4

Reversible ipecac myopathy. Mateer JE, et al. **Arch Neurol** 1985 Feb;42(2):188-90

Investigating the myopathic effects of 6-mercaptopurine on developing skeletal muscle cells in vitro. Yander G, et al. **Drug Chem Toxicol** 1984;7(2):177-92

Inhibition of prostaglandin synthesis produces a muscular dystrophy-like myopathy. McLennan IS. **Exp Neurol** 1985 Sep;89(3):616-21

Clofibrate-induced muscular syndrome. Case report with ultrastructural findings and review of the literature. Rimon D, et al. **Isr J Med Sci** 1984 Nov;20(11):1082-6

Steroid myopathy [editorial] Ellis EF. **J Allergy Clin Immunol** 1985 Sep;76(3):431-2

Evidence that prednisone-induced myopathy is reversed by physical training. Horber FF, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):83-8

The syndrome of continuous muscle fibre activity following gold therapy. Grisold W, et al. **J Neurol** 1984;231(5):244-9

Chronic myopathy induced by repeated bupivacaine injections. Sadeh M, et al. **J Neurol Sci** 1985 Feb; 67(2):229-38

Toxicological evaluation of poloxamer vehicles for intramuscular use. Johnston TP, et al. **J Parenter Sci Technol** 1985 Mar-Apr;39(2):83-9

Some histochemical observations on invasive cells in a myopathy induced in rats with 5-hydroxytryptamine. Christie KN, et al. **Neuropathol Appl Neurobiol** 1984 Nov-Dec;10(6):447-60

Myopathy and ipecac abuse in a bulimic patient. Moldawsky RJ. **Psychosomatics** 1985 May;26(5):448-9

Quantification of myonecrosis and comparison of necrotic activity of snake venoms by determination of creatine phosphokinase activity in mice sera. Nakada K, et al. **Toxicon** 1984;22(6):921-30

Pathological changes in muscle caused by haemorrhagic and proteolytic factors from Bothrops jararaca snake venom. Queiroz LS, et al. **Toxicon** 1985;23(2):341-5

[Drug-induced muscular disorders] Serratrice G. **Bull Acad Natl Med (Paris)** 1984 Oct-Nov;168(7-8):792-8 (Eng. Abstr.) **(Fre)**

[Myopathy during treatment with cimetidine] Treves R, et al. **Rev Rhum Mal Osteoartic** 1985 Feb;52(2):133-4 **(Fre)**

[Muscular involvement of drug origin] Serratrice G, et al. **Therapie** 1984 Nov-Dec;39(6):677-87 (29 ref.) (Eng. Abstr.) **(Fre)**

[Toxic myopathy caused by lithium carbonate: apropos of a case (letter)] Massons J, et al. **Med Clin (Barc)** 1984 Oct 13;83(11):469-70 **(Spa)**

[Acute muscular weakness secondary to the ingestion of clopamide] Dalmau Obrador J, et al. **Rev Clin Esp** 1984 May 31;173(4):245-7 **(Spa)**

COMPLICATIONS

Posterior interosseous nerve syndrome caused by an intermuscular lipoma. Pidgeon KJ, et al. **Arch Phys Med Rehabil** 1985 Jul;66(7):468-71

Impaired muscle function with aging. A background factor in the incidence of fractures of the proximal end of the femur. Aniansson A, et al. **Clin Orthop** 1984 Dec; (191):193-201

A case of hypokalemic myopathy associated with transient hypothyroidism. Kanemaru Y, et al. **Endocrinol Jpn** 1984 Dec;31(6):809-14

Partial (localized) lipodystrophy. Report of a case with muscle and skin abnormalities. Afifi AK, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 2):198-203

Impairment and disability in the aged. Jette AM, et al. **J Chronic Dis** 1985;38(1):59-65

Myopathy in debrancher enzyme deficiency [letter] Winterer J. **J Pediatr** 1985 Aug;107(2):313-4

Bacterial pyomyositis in a patient with preleukemia [letter] Peller JS, et al. **J Rheumatol** 1985 Feb;12(1):185-6

Idiopathic eosinophilic myositis with preexisting fibromyalgia. Yonker RA, et al. **J Rheumatol** 1985 Feb; 12(1):165-7

Staphylococcal meningitis: a complication of psoas abscess. Spotkov J, et al. **Neurology** 1985 Jan;35(1):110-1

Generalized hypertrophic myopathy associated with chorioretinal dystrophy and struma lymphomatosa--a case report. van Zuilen EV, et al. **Neuropediatrics** 1984 Aug; 15(3):159-64

Dominant optic atrophy, deafness, ptosis, ophthalmoplegia, dystaxia, and myopathy. A new syndrome. Treft RL, et al. **Ophthalmology** 1984 Aug;91(8):908-15

[Partial paralysis of the right lumbar plexus caused by a traumatic hematoma of the ileo-psoas muscle] Ginanneschi U, et al. **Chir Ital** 1985 Apr;37(2):165-73 (Eng. Abstr.) **(Ita)**

[Pseudoankylosis of the temporomandibular joint due to fibrosis of the temporal muscle following craniotomy. A report of 2 cases] Ferrari Parabita G, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):387-93 (Eng. Abstr.) **(Ita)**

[Acute respiratory insufficiency and osteomalacic myopathy: a casual association? (letter)] Agustí AG, et al. **Med Clin (Barc)** 1985 Apr 13;84(14):586 **(Spa)**

CONGENITAL

Congenital smooth muscle hamartoma. Berger TG, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 2):709-12

Is central core disease with structural core a fetal defect? Fidziańska A, et al. **J Neurol** 1984;231(4):212-9

[Myopathy of congenital fiber type disproportion. Description of a clinical case] Millefiorini E, et al. **Riv Neurol** 1984 Nov-Dec;54(6):383-9 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Ultrasonographic examinations of muscle hematomas in hemophiliacs. Aspelin P, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(6):513-6

Myasthenia gravis and myasthenic syndromes. Engel AG. **Ann Neurol** 1984 Nov;16(5):519-34 (161 ref.)

Averaging techniques to define the low-amplitude compound motor action potential. Bamford CR, et al. **Arch Neurol** 1984 Dec;41(12):1307

Musculoskeletal manifestations of bacterial endocarditis. Levo Y, et al. **Clin Exp Rheumatol** 1983 Jan-Mar;1(1):49-52

Topical magnetic resonance for the study of muscle metabolism in human myopathy. Edwards RH, et al.

Clin Physiol 1985 Apr;5(2):93–109

Conduction study in human muscle fibers in situ—a useful technique for diagnosing myopathies. Chino N, et al. **Electroencephalogr Clin Neurophysiol** 1984 Dec;58(6):513–6

On surface EMG spectral characterization and its application to diagnostic classification. Inbar GF, et al. **IEEE Trans Biomed Eng** 1984 Sep;31(9):597–604

Ultrasonography of the rotator cuff. Normal and pathologic anatomy. Bretzke CA, et al. **Invest Radiol** 1985 May–Jun; 20(3):311–5

Detection of myopathies in children by 1H nuclear magnetic resonance (NMR) and comparison with histopathological patterns. Scelsi R, et al. **Ital J Neurol Sci** 1984 Dec; 5(4):381–4

Steroid myopathy: incidence and detection in a population with asthma. Bowyer SL, et al. **J Allergy Clin Immunol** 1985 Aug;76(2 Pt 1):234–42

Psoas disease causing a characteristic change in the ultrasonographic appearance of the psoas compartment. Arenson AM, et al. **J Can Assoc Radiol** 1984 Sep; 35(3):276–8

MR imaging of iliopsoas bursitis and concurrent avascular necrosis of the femoral head. Cohen JM, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):969–71

MR imaging of intramuscular hemorrhage. Dooms GC, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):908–13

In vivo and in vitro parameters of skeletal muscle trophism in haemophilia. Mariani G, et al. **J Nucl Med Allied Sci** 1984 Apr–Jun;28(2):85–90

Myalgic encephalomyelitis [letter] **NZ Med J** 1984 Nov 14; 97(767):782

Adult-onset muscle weakness. How to identify the underlying cause. Riggs JE. **Postgrad Med** 1985 Sep 1; 78(3):217–26

The evaluation of musculoskeletal disease with magnetic resonance imaging. Scott JA, et al. **Radiol Clin North Am** 1984 Dec;22(4):917–24

Iliopsoas muscles: MR study of normal anatomy and disease. Weinreb JC, et al. **Radiology** 1985 Aug;156(2):435–40

[Echinococcosis of the skeletal musculature] Bakhariev Z, et al. **Khirurgiia (Sofiia)** 1984;37(6):469–72 (Eng. Abstr.) **(Bul)**

[Muscular pathology and echography. Excluding tumors] Durckel J, et al. **Ann Radiol (Paris)** 1985;28(1):9–13 (Eng. Abstr.) **(Fre)**

[Value of and indications for electromyography] Burton L, et al. **Rev Med Liege** 1985 Apr 15;40(8):272–7 **(Fre)**

[Metabolic myopathies in childhood. A review in summarized form] Schaub J. **Monatsschr Kinderheilkd** 1984 Aug; 132(8):566–73 (52 ref.) (Eng. Abstr.) **(Ger)**

[Muscle and nerve biopsy in ambulatory surgical practice] Erenbourg L, et al. **Minerva Med** 1985 Jun 30; 76(26–27):1275–8 (Eng. Abstr.) **(Ita)**

[Primary tumors of the thoracic wall in children. Description of 8 cases] Castello MA, et al. **Minerva Pediatr** 1984 Nov 15;36(21):1075–82 (Eng. Abstr.) **(Ita)**

[A case of sarcoid myopathy] Tomonaga A, et al. **Nippon Naika Gakkai Zasshi** 1984 Dec;73(12):1837–41 **(Jpn)**

[Thoracic pain syndromes] Popelianskiĭ IaIu, et al. **Revmatologiia (Moskva)** 1984 Oct–Dec;(4):65–9 **(Rus)**

[Diagnosis and treatment of the painful muscular manifestations of cervical osteochondrosis with the cardialgia syndrome] Tuzlukov AP, et al. **Revmatologiia (Moskva)** 1985 Jan–Mar;(1):24–7 (Eng. Abstr.) **(Rus)**

[Late results of pregnancy and labor in myasthenia patients] Dogel' LV, et al. **Zh Nevropatol Psikhiatr** 1984; 84(11):1609–13 (Eng. Abstr.) **(Rus)**

[Typology of motor unit potentials and muscle fiber density in neuromuscular diseases] Gekht BM, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1635–42 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Myopathy in McArdle's syndrome. Improvement with a high-protein diet. Slonim AE, et al. **N Engl J Med** 1985 Feb 7;312(6):355–9

Myopathy in McArdle's syndrome [letter] Thompson PD, et al. **N Engl J Med** 1985 Jun 6;312(23):1518–9

DRUG THERAPY

Simple method for measurement of lower extremity muscle strength. Csuka M, et al. **Am J Med** 1985 Jan;78(1):77–81

Arrest of neuropathy and myopathy in abetalipoproteinemia with high-dose vitamin E therapy. Hegele RA, et al. **Can Med Assoc J** 1985 Jan 1;132(1):41–4

A comparison between meptazinol and dextropropoxyphene plus paracetamol in elderly patients with musculoskeletal pains. Orö L. **Curr Med Res Opin** 1984;9(4):240–5

Biochemical rationale and the cardiac response of patients with muscle disease to therapy with coenzyme Q10. Folkers K, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4513–6

[Proglumetacin: possible first choice in the treatment of orthopedic- traumatologic disorders] Gusso MI, et al. **Minerva Med** 1985 Mar 24;76(12):567–73 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Prolonged elevation of transaminase concentration in children with unsuspected myopathy. Schwarz KB, et al. **Am J Dis Child** 1984 Dec;138(12):1121–4

Sarcoid myopathy with elevated creatine phosphokinase. Ando DG, et al. **Am Rev Respir Dis** 1985 Feb; 131(2):298–300

Fluorometric assay of human serum carnosinase activity in normal children, adults and patients with myopathy. Bando K, et al. **Ann Clin Biochem** 1984 Nov;21 (Pt 6):510–4

Cytochrome c oxidase deficiency. DiMauro S, et al. **Biochem Soc Trans** 1985 Aug;13(4):651–3

Mitochondrial myopathies: deficiencies localized to complex I and complex III of the mitochondrial respiratory chain. Morgan-Hughes JA, et al. **Biochem Soc Trans** 1985 Aug; 13(4):648–50

Persistent hypertransaminasemia as the presenting finding of childhood muscle disease. Rutledge J, et al. **Clin Pediatr (Phila)** 1985 Sep;24(9):500–3

Mitochondrial myopathy with lactic acidosis and deficient activity of muscle succinate cytochrome-c-oxidoreductase. Behbehani AW, et al. **Eur J Pediatr** 1984 Nov;143(1):67–71

The inhibitory effect of actinomycin D and cycloheximide on the increase in activity of glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase in experimentally induced diseased skeletal muscles. Meijer AE, et al. **Histochem J** 1984 Sep;16(9):971–82

Lactic acidosis and mitochondrial myopathy associated with deficiency of several components of complex III of the respiratory chain. Kennaway NG, et al. **Pediatr Res** 1984 Oct;18(10):991–9

[Metabolic myopathies] Zellweger H. **Padiatr Grenzgeb** 1984; 23(5):327–38 (Eng. Abstr.) **(Ger)**

[Metabolic myopathies] Lössner J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Sep; 36(9):513–26 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Diffuse rheumatoid nodules in skeletal muscle in rheumatoid arthritis. Császár A, et al. **Acta Morphol Hung** 1984; 32(2):127–32

Surgical removal of bone and muscle metastases of renal cancer. Stener B, et al. **Acta Orthop Scand** 1984 Oct; 55(5):491–500

The myopathy of phosphate depletion. Brautbar N, et al. **Adv Exp Med Biol** 1984;178:363–75

The myopathy of experimental magnesium deficiency. Knochel JP, et al. **Adv Exp Med Biol** 1984;178:351–61

Myopathy of uremia. Ritz E, et al. **Adv Exp Med Biol** 1984; 178:377–86

Chronic alcoholic skeletal myopathy—common and reversible. Peters TJ, et al. **Alcohol** 1985 May–Jun; 2(3):485–9

Clostridium septicum septicemia with identical metastatic myonecroses in a granulocytopenic patient. Infectious disease emergency. Tikko SK, et al. **Am J Med** 1985 Aug; 79(2):256–8

Vertical tarsal buckling as a complication of levator aponeurosis repair for acquired blepharoptosis [letter] Teichmann KD. **Am J Ophthalmol** 1984 Nov;98(5):645–6

On alcoholic myopathy [letter] Urbano-Márquez A, et al. **Ann Neurol** 1985 Apr;17(4):418

Fatal infantile mitochondrial myopathy and renal dysfunction caused by cytochrome c oxidase deficiency: immunological studies in a new patient. Zeviani M, et al. **Ann Neurol** 1985 Apr;17(4):414–7

Reversible nutritional myopathy with myotonia in the protein-deficient rat given methionine. Cummins AG, et al. **Aust J Exp Biol Med Sci** 1985 Apr;63 (Pt 2):127–37

Diagnosis and management of lost muscle following strabismus surgery. Billson F, et al. **Aust N Z J Ophthalmol** 1985 Feb;13(1):66–9

Psoas abscess: unusual complication of effective chemotherapy for teratoma. Maguire J, et al. **Br Med J [Clin Res]** 1985 Jun 22;290(6485):1870

Skeletal muscle and peripheral nerve changes caused by chronic arterial insufficiency—significance and clinical correlations—histological, histochemical and ultrastructural study. Farinon AM, et al. **Clin Neuropathol** 1984 Nov–Dec;3(6):240–52

Musculoskeletal lesions in yaws. Sengupta S. **Clin Orthop** 1985 Jan–Feb;(192):193–8

Iliacus hematoma and subsequent femoral nerve palsy after penetration of the medical acetabular wall during total hip arthroplasty. Report of a case. Wooten SL, et al. **Clin Orthop** 1984 Dec;(191):221–3

Experimental skeletal muscle damage: the nature of the calcium-activated degenerative processes. Jackson MJ, et al. **Eur J Clin Invest** 1984 Oct;14(5):369–74

Hypokalemic myopathy associated with liquorice ingestion. Cibelli G, et al. **Ital J Neurol Sci** 1984 Dec;5(4):463–6

Illness in the workplace: the challenge of musculoskeletal symptoms. Hadler NM. **J Hand Surg [Am]** 1985 Jul; 10(4):451–6

Disseminated cryptococcosis with muscular involvement [letter] Jiménez-Lucho VE, et al. **J Infect Dis** 1985 Mar; 151(3):567

Skeletal myopathy and magnesium depletion: cellular mechanisms. Brautbar N, et al. **Magnesium** 1984;3(2):57–62

Myalgic encephalomyelitis hypothesis [letter] Staines D. **Med J Aust** 1985 Jul 22;143(2):91

Myalgic encephalomyelitis [letter] Gow PJ. **NZ Med J** 1984 Dec 12;97(769):868

Compression neuropathy from muscle fibrosis induced by repeated meperidine injections. Yamanaka M, et al. **Plast Reconstr Surg** 1985 Apr;75(4):582–3

Disordered oesophageal motility in thyrotoxic myopathy. Sweatman MC, et al. **Postgrad Med J** 1985 Jul; 61(717):619–20

Alcoholic skeletal myopathy, a clinical and pathological study. Martin F, et al. **Q J Med** 1985 Jun;55(218):233–51

[Muscular involvement in Legionnaires' disease. Review of the literature apropos of 2 cases] Riou B, et al. **Rev Med Interne** 1985 Mar;6(2):105–10 (Eng. Abstr.) **(Fre)**

[Unusual muscular involvement in ankylosing spondylitis] Wattiaux MJ, et al. **Rev Rhum Mal Osteoartic** 1985 Mar; 52(3):151–5 (Eng. Abstr.) **(Fre)**

[Myopathies in endocrine disorders] Kruse K. **Monatsschr Kinderheilkd** 1984 Aug;132(8):581–6 (58 ref.) (Eng. Abstr.) **(Ger)**

[Lactic acid acidosis with mitochondrial myopathy due to a pyruvate dehydrogenase deficiency] Sperl W, et al. **Padiatr Padol** 1985;20(1):55–67 (Eng. Abstr.) **(Ger)**

[A particular case of calcific degeneration of the anterior tibial muscle. Etiopathogenic considerations] Avenia A, et al. **Chir Organi Mov** 1984;69(3):311–3 (Eng. Abstr.) **(Ita)**

[Alcoholic myopathy. Histochemical and ultrastructural study] Aragona F, et al. **Riv Neurol** 1984 Nov–Dec; 54(6):374–82 (Eng. Abstr.) **(Ita)**

[Licorice-induced myopathy. Report of a new case] Gibertoni M, et al. **Riv Patol Nerv Ment** 1983 Jul–Aug; 104(4):179–83 (Eng. Abstr.) **(Ita)**

[A case of hypothyroid myopathy complicated with congestive heart failure simulating dilated cardiomyopathy] Hamashige N, et al. **Nippon Naika Gakkai Zasshi** 1984 Jun; 73(6):876–81 **(Jpn)**

[Anaerobic bacterial infection of the locomotor system] Dziak A, et al. **Chir Narzadow Ruchu Ortop Pol** 1984; 49(3):269–74 (Eng. Abstr.) **(Pol)**

[Pathogenesis of experimental thyrotoxic myopathy] Kazakov VM, et al. **Zh Nevropatol Psikhiatr** 1984; 84(11):1613–8 (Eng. Abstr.) **(Rus)**

[Non-tuberculous abscess of the psoas muscle] Ponz González M, et al. **Arch Esp Urol** 1984 Sep–Oct;37(5):446–8 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Peculiar congenital myopathy in two siblings. Congenital fibre type disproportion or type II fibres hypotrophy? Pavone L, et al. **Acta Neurol (Napoli)** 1984 Aug;6(4):309–12

Genetic causes of chronic musculoskeletal disease in childhood are common. Gregory D, et al. **Am J Med Genet** 1984 Nov;19(3):533–8

The 'muscular variant' of Pompe disease: clinical, biochemical and histologic characteristics. Temple JK, et al. **Am J Med Genet** 1985 Jul;21(3):597–604

Familial visceral myopathy: the role of surgery. Shaw A, et al. **Am J Surg** 1985 Jul;150(1):102–8

Maternally inherited mitochondrial myopathy and myoclonic epilepsy. Rosing HS, et al. **Ann Neurol** 1985 Mar; 17(3):228–37

Familial hypokalemic periodic paralysis. 50-year follow-up of a large family. Buruma OJ, et al. **Arch Neurol** 1985 Jan; 42(1):28–31

The Walter J. Zeiter lecture. Inherited susceptibility to musculo-skeletal disorders. Brewerton DA. **Arch Phys Med Rehabil** 1985 Mar;66(3):137–8

Familial myopathy associated with Marfanoid features and multicores. Joyce DA, et al. **Aust NZ J Med** 1984 Aug; 14(4):495–9

Disease expression in +-/+- ----mdg/mdg mouse chimeras: evidence for an extramuscular component in the pathogenesis of both dysgenic abnormal diaphragm innervation and skeletal muscle 16 S acetylcholinesterase deficiency. Rieger F, et al. **Dev Biol** 1984 Dec; 106(2):296–306

Familial myopathies with restricted distribution, facial weakness and inflammatory changes in affected muscles. Bacq M, et al. **J Neurol** 1985;231(6):295–300

Neonatal myotubular myopathy with a probable X-linked inheritance: observations on a new family with a review of the literature. Bruyland M, et al. **J Neurol** 1984; 231(4):220–2

Successful carnitine treatment in two siblings having lipid storage myopathy with hypertrophic cardiomyopathy. Matsuishi T, et al. **Neuropediatrics** 1985 Feb;16(1):6–12

[A case of hyperCKemia with mounding phenomenon] Hayashi T, et al. **No To Hattatsu** 1985 Jul;17(4):378–9 **(Jpn)**

[Congenital myasthenia associated with skeletal abnormalities and cataract in two sisters] Okabe I, et al. **No To Hattatsu** 1985 May;17(3):245–50 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Action of Lambert-Eaton myasthenic syndrome IgG at mouse motor nerve terminals. Prior C, et al. **Ann Neurol** 1985 Jun;17(6):587–92

Lambert-Eaton myasthenic syndrome. Newsom-Davis J. **Springer Semin Immunopathol** 1985;8(1–2):129–40 (42 ref.)

METABOLISM

Intra-axonal polysaccharide deposits in the peripheral nerve seen in adult polysaccharide storage myopathy. Komure O, et al. **Acta Neuropathol (Berl)** 1985;65(3–4):300–4

Ca2+ uptake of sarcoplasmic reticulum in experimental glucocorticosteroid myopathy. Heiner L, et al. **Acta Physiol Hung** 1984;64(2):139–42

Hereditary metabolic myopathies. Miranda AF, et al. **Adv Exp Med Biol** 1985;182:25–42

Investigation of human mitochondrial myopathies by phosphorus magnetic resonance spectroscopy. Arnold DL, et al. **Ann Neurol** 1985 Aug;18(2):189–96

Heterogeneity of human skeletal muscle tropomyosin. Giometti CS, et al. **Ann Neurol** 1985 Aug;18(2):234–43

Autosomal recessive distal muscular dystrophy: a comparative study with distal myopathy with rimmed vacuole formation. Nonaka I, et al. **Ann Neurol** 1985 Jan; 17(1):51–9

Investigation of human mitochondrial myopathies by phosphorus magnetic resonance spectroscopy. Radda GK, et al. **Biochem Soc Trans** 1985 Aug;13(4):654

The retention of metallic radionuclides in experimental abscesses in rats. Taylor DM, et al. **Br J Radiol** 1985 Jul; 58(691):655–9

Muscle protein turnover and the wasting due to injury and disease. Rennie MJ. **Br Med Bull** 1985 Jul;41(3):257–64 (97 ref.)

Hypophosphataemic osteomalacia and myopathy: studies with nuclear magnetic resonance spectroscopy. Smith R, et al. **Clin Sci** 1984 Nov;67(5):505–9

Fibronectin, laminin, type I, III and IV collagens in Duchenne's muscular dystrophy, congenital muscular dystrophies and congenital myopathies: an immunocytochemical study. Hantaï D, et al. **Connect Tissue Res** 1985;13(4):273–81

Skeletal muscle metabolism in mice bearing adenocarcinoma. I. Histochemical alterations in glycogenolytic, glycolytic, lipolytic and oxidative metabolism. Asotra K, et al. **Exp Pathol** 1985;27(1):55–62

Analyses of muscle proteins in a patient with a mitochondrial myopathy. Darley–Usmar VM, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1767–75

Proteolytic susceptibility of both isolated and bound light chains from various myosins to myopathic hamster protease. Margossian SS, et al. **J Biol Chem** 1984 Nov 10; 259(21):13534–40

A novel pathway for biosynthesis of cholestanol with 7 alpha–hydroxylated C27–steroids as intermediates, and its importance for the accumulation of cholestanol in cerebrotendinous xanthomatosis. Skrede S, et al. **J Clin Invest** 1985 Feb;75(2):448–55

Mitochondrial myopathies: disorders of the respiratory chain and oxidative phosphorylation. Clark JB, et al. **J Inherited Metab Dis** 1984;7 Suppl 1:62–8

Gastrocnemius muscle lipids in relation to diet in two mouse mutants, 129Re–dy and A2G–adr, with abnormal muscle function. Rebello T, et al. **J Neurochem** 1985 Jul; 45(1):257–67

Short–chain acyl–CoA dehydrogenase deficiency associated with a lipid–storage myopathy and secondary carnitine deficiency. Turnbull DM, et al. **N Engl J Med** 1984 Nov 8;311(19):1232–6

Glycosphingolipids of an alveolar rhabdomyosarcoma and normal human muscle. A case study. Leskawa KC, et al. **Neurochem Pathol** 1984 Spring;2(1):19–29

Slow myosin heavy chain isozyme in nemaline myopathy. Biral D, et al. **Neurology** 1985 Sep;35(9):1360–3

Chemical energy usage during isometric twitches of frog sartorius muscle intoxicated with an isomer of creatine, beta–guanidinopropionate. De Saedeleer M, et al. **Pflugers Arch** 1984 Oct;402(2):185–9

Mitochondrial myopathy with diffuse activation and focal deficiency of mitochondrial ATPase and carnitine deficiency. Müller–Höcker J, et al. **Virchows Arch [Cell Pathol]** 1985;48(2):185–96

[Carnitine in normal subjects and in pathology] Odièvre M. **Arch Fr Pediatr** 1984 Dec;41(10):721–6 (84 ref.) **(Fre)**

[Biochemical studies on experimental chloroquine myopathy] Sano M. **Rinsho Shinkeigaku** 1985 May;25(5):627–35 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Occupational repetitive strain injuries. Stone WE. **Aust Fam Physician** 1984 Sep;13(9):681–4

[Epidemiologic study of myopathy in Kumamoto Prefecture] Araki S, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):189–95 (Eng. Abstr.) **(Jpn)**

[Disability due to diseases of the locomotor system in the Košice–Vidiek District] Kopor S. **Cesk Zdrav** 1984 Dec; 32(12):510–9 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Aspiration and exfoliative cytology, including ultrastructure, of a malignant granular–cell tumor. Geisinger KR, et al. **Acta Cytol (Baltimore)** 1985 Jul–Aug;29(4):593–7

Sporadic distal myopathy with early adult onset. A case report with morphological alterations of mitochondria. Tezzon F, et al. **Acta Neurol (Napoli)** 1985 Apr;7(2):121–8

Osteosarcoma with multiple intramuscular metastases. A case report. Miki T, et al. **Acta Orthop Scand** 1985 Feb; 56(1):92–5

Comparative study of alterations of skeletal muscle in Duchenne muscular dystrophy and polymyositis. Morizumi H, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1221–42

Muscle fiber degeneration and necrosis in muscular dystrophy and other muscle diseases: cytochemical and immunocytochemical data. Cornelio F, et al. **Ann Neurol** 1984 Dec;16(6):694–701

Mitochondrial myopathies. DiMauro S, et al. **Ann Neurol** 1985 Jun;17(6):521–38 (112 ref.)

Subareolar muscular hamartoma of the breast. Bussolati G, et al. **Appl Pathol** 1984;2(2):92–5

Severe neonatal centronuclear myopathy with autosomal dominant inheritance. Torres CF, et al. **Arch Neurol** 1985 Oct;42(10):1011–4

Intramuscular myxoma: report of two cases and review of the literature. Wood WJ Jr. **Ariz Med** 1985 Jul;42(7):417–9

Sarcoidosis with infiltration of the external ocular muscles. Stannard K, et al. **Br J Ophthalmol** 1985 Aug;69(8):562–6

Centronuclear myopathy with unusual mitochondrial abnormalities. Canal N, et al. **Clin Neuropathol** 1985 Jan–Feb;4(1):23–7

Tubular aggregates in skeletal muscle: toxic or metabolic nature? [letter] Dastur DK. **Clin Neuropathol** 1984 Nov–Dec;3(6):266–7

Histopathological data on six cases of hypothyroidism accompanying muscular chronic disease. Pencea V, et al. **Endocrinologie** 1985 Apr–Jun;23(2):105–9

Comparison of the ultrastructural myopathy induced by anticholinesterase agents at the end plates of rat soleus and extensor muscles. Meshul CK, et al. **Exp Neurol** 1985 Jul; 89(1):96–114

X–linked recessive myotubular myopathy: II. Muscle morphology and human myogenesis. Ambler MW, et al. **Hum Pathol** 1984 Dec;15(12):1107–20

Primary psoas abscess three years after ipsilateral nephrectomy. Knobel B, et al. **Infection** 1985 Jan–Feb; 13(1):27–8

Uremic myopathy [editorial] Quintanilla AP, et al. **Int J Artif Organs** 1984 Sep;7(5):239–42

Tissue cultures of benign and malignant fibrous histiocytomas: SEM observations. Oku T, et al. **J Cutan Pathol** 1984 Dec;11(6):534–40

Adult–onset mixed myopathy with nemaline rods, minicores, and central cores: a muscle disorder mimicking polymyositis. Seitz RJ, et al. **J Neurol** 1984;231(3):103–8

Hypotrophy of type I fibres with central nuclei: recovery 4 years after diagnosis. Ricoy JR, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):167–71

Behavior of sarcotubular system formation in experimentally induced regeneration of muscle fibers. Miike T, et al. **J Neurol Sci** 1984 Aug;65(2):193–200

Intramuscular myxoma of the masseter. Bedrosian SA, et al. **J Oral Maxillofac Surg** 1984 Oct;42(10):684–6

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 3–1985. A 33–year–old man with progressive right facial paresis and ophthalmoplegia without ptosis. **N Engl J Med** 1985 Jan 17;312(3):171–7

New observations in reducing body myopathy. Carpenter S, et al. **Neurology** 1985 Jun;35(6):818–27

Metabolic myopathies. Gullotta F. **Pathol Res Pract** 1985 Jul;180(1):10–8

Morphology of acute myopathy associated with influenza B infection. Bove KE, et al. **Pediatr Pathol** 1983 Jan–Mar; 1(1):51–66

Staging of musculoskeletal neoplasms. Musculoskeletal Tumor Society. **Skeletal Radiol** 1985;13(3):183–94

[Morphology of metabolic myopathies] Pongratz D, et al. **Monatsschr Kinderheilkd** 1984 Aug;132(8):574–80 (14 ref.) (Eng. Abstr.) **(Ger)**

[Histoenzymatic and ultrastructural aspects of mitochondrial myopathy (mitochondriopathy)] Antoci B, et al. **Pathologica** 1984 Nov–Dec;76(1046):655–68 (Eng. Abstr.) **(Ita)**

[Ultrastructural study on the mitochondrial myopathy associated with lactic acidosis] Kobayashi Y, et al. **No To Hattatsu** 1984 Jul;16(4):253–61 (Eng. Abstr.) **(Jpn)**

[A case of nemaline myopathy with abnormal mitochondria] Tanaka T, et al. **No To Hattatsu** 1984 Nov;16(6):476–80 (Eng. Abstr.) **(Jpn)**

[Mitochondrial encephalomyopathy: a case with MELAS (mitochondrial myopathy, encephalopathy, lactic acidosis and stroke–like episodes)] Goda S, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):216–26 (Eng. Abstr.) **(Jpn)**

[Experimental chloroquine myopathy––morphological and biochemical studies] Kumamoto T, et al. **Rinsho Shinkeigaku** 1984 May;24(5):505–12 (Eng. Abstr.) **(Jpn)**

[Mitochondrial encephalomyopathy with multiple brain infarcts] Suehara M, et al. **Rinsho Shinkeigaku** 1985 Jan; 25(1):65–72 (Eng. Abstr.) **(Jpn)**

[Primary–multiple combined echinococcosis in a child] Gireev GI, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):140–1 **(Rus)**

PHYSIOPATHOLOGY

Defective trophic response of brown adipose tissue of myopathic hamsters. Triandafillou J, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E800–7

Hip flexion–abduction to elicit asterixis in unresponsive patients. Noda S, et al. **Ann Neurol** 1985 Jul;18(1):96–7

Juvenile primary fibromyalgia syndrome. A clinical study of thirty–three patients and matched normal controls. Yunus MB, et al. **Arthritis Rheum** 1985 Feb;28(2):138–45

Musculoskeletal impairment among the non–institutionalized aged. Jette AM, et al. **Int Rehabil Med** 1984;6(4):157–61

An electromyographic study of elbow motion during postexercise muscle soreness. Howell JN, et al. **J Appl Physiol** 1985 May;58(5):1713–8

Autonomic dysfunction and Eaton Lambert syndrome. Mamdani MB, et al. **J Auton Nerv Syst** 1985 Apr; 12(4):315–20

Electrophysiological studies in the post–viral fatigue syndrome. Jamal GA, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):691–4

Myopathy and growth failure in debrancher enzyme deficiency: improvement with high–protein nocturnal enteral therapy. Slonim AE, et al. **J Pediatr** 1984 Dec; 105(6):906–11

Mechanisms of exercise–induced delayed onset muscular soreness: a brief review. Armstrong RB. **Med Sci Sports Exerc** 1984 Dec;16(6):529–38 (148 ref.)

McArdle's disease in the 1980s [editorial] Layzer RB. **N Engl J Med** 1985 Feb 7;312(6):370–1

Isometric muscle contraction in endocrine myopathies. Maurer K, et al. **Neurology** 1985 Mar;35(3):333–7

Muscle imbalance and extremity injury. A perplexing relationship. Grace TG. **Sports Med** 1985 Mar–Apr; 2(2):77–82

[The macro–EMG: technic and introductory concepts] De Meirsman J, et al. **Acta Belg Med Phys** 1985 Jan–Mar; 8(1):3–6 (Eng. Abstr.) **(Dut)**

[Myotonic discharges in a case of licorice–induced hypokalemic myopathy] Mori M, et al. **Rinsho Shinkeigaku** 1985 May;25(5):560–4 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Diazepam does not prevent succinylcholine–induced fasciculations and myalgia. A comparative evaluation of the effect of diazepam and d–tubocurarine pretreatments. Manchikanti L. **Acta Anaesthesiol Scand** 1984 Oct; 28(5):523–8

Effects of 1 alpha–hydroxyvitamin D3 on the skeletal muscle of uremic rats. Mizuiri S, et al. **Nippon Jinzo Gakkai Shi** 1985 Mar;27(3):311–7

Ability of polyvalent (Crotalidae) antivenin to neutralize myonecrosis, hemorrhage and lethality induced by timber rattlesnake (Crotalus horridus horridus) venom. Smith MS, et al. **Toxicon** 1985;23(3):409–24

RADIOGRAPHY

Computed tomography of the buccomasseteric region: 2. Pathology. Braun IF, et al. **AJNR** 1984 Sep–Oct;5(5):611–6

Computed tomography of ilio–psoas muscle tumors. Wechsler RJ, et al. **Comput Radiol** 1984 Jul–Aug; 8(4):229–35

Giant rectus sheath hematomas of the pelvis complicating anticoagulant therapy: CT findings. Pastakia B, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1120–3

Calf hematoma mimicking thrombophlebitis: sonographic and computed tomographic appearance. Giyanani VL, et al. **Radiology** 1985 Mar;154(3):779–81

RADIONUCLIDE IMAGING

Uptake of Tc–99m MDP in muscle anticipating clinical evidence of a carcinomatous myopathy. Lentle BC, et al. **J Nucl Med** 1984 Dec;25(12):1320–2

REHABILITATION

[Health status and problems of rehabilitation treatment of miners in the Baikal–Amur Railway region] German GN. **Gig Tr Prof Zabol** 1985 Jun;(6):20–3 **(Rus)**

SURGERY

Amputation for pseudotumour in acquired haemophilia. Treble NJ, et al. **Br Med J [Clin Res]** 1984 Nov 17; 289(6455):1349–50

Percutaneous drainage of a psoas abscess in a young child. Sullivan WT, et al. **J Can Assoc Radiol** 1984 Sep; 35(3):324–5

Desmoid tumor of the paraspinous muscle involving the chest wall. Graeber GM, et al. **Milit Med** 1985 Aug; 150(8):458–61

[Surgical correction of diplopia in patients with endocrine myopathy] Brovkina AF, et al. **Vestn Oftalmol** 1985 Mar–Apr;101(2):45–8 (Eng. Abstr.) **(Rus)**

THERAPY

Vibratory stimulation for the alleviation of pain. Lundeberg T. **Am J Chin Med** 1984 Summer;12(1–4):60–70

A comparative study of the pain alleviating effect of vibratory stimulation, transcutaneous electrical nerve stimulation, electroacupuncture and placebo. Lundeberg T. **Am J Chin Med** 1984 Summer;12(1–4):72–9

How to treat musculoskeletal conditions––practical hints for the internist. Flax HJ. **Bol Asoc Med PR** 1985 Feb; 77(2):62–5

Management of musculo–skeletal complications of hemophilia. Srivastava RK, et al. **Indian Pediatr** 1984 Dec; 21(12):965–70

[Manual medicine and the extremities: treatment principles] Roex J. **Acta Belg Med Phys** 1984 Jul–Sep;7(3):75–9 **(Dut)**

[A new case of acid maltase deficiency. Treatment by artificial respiration at home (letter)] Brunel D, et al. **Presse Med** 1984 Oct 27;13(38):2322–3 **(Fre)**

[Myogeloses, their pathogenesis and their lymph drainage, heat and exercise therapy] Asdonk J. **Z Lymphol** 1985 Jun; 9(1):30–7 (Eng. Abstr.) **(Ger)**

['Stimul-1' apparatus for electric stimulation of the muscles] Shipulin AM. **Med Tekh** 1984 Sep–Oct;(5):61–2 **(Rus)**

VETERINARY

Associations of sire, breed, birth weight, and sex in pigs with congenital splayleg. Vogt DW, et al. **Am J Vet Res** 1984 Nov;45(11):2408–9

Semitendinosus tenotomy for treatment of fibrotic myopathy in the horse. Bramlage LR, et al. **J Am Vet Med Assoc** 1985 Mar 15;186(6):565–7

Ataxia and weakness associated with fourth ventricle vascular anomalies in two horses. Miller LM, et al. **J Am Vet Med Assoc** 1985 Mar 15;186(6):601–3

Myotonic dystrophy-like disease in a dog. Simpson ST, et al. **J Am Vet Med Assoc** 1985 Mar 1;186(5):495–8

Idiopathic skeletal muscle necrosis in bluegills. Zimmer MA. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1371–3

Avulsion of muscles from the femoral trochanter in the fowl. Duff SR. **J Comp Pathol** 1985 Jul;95(3):383–92

Suspected Se-vitamin E deficiency in heifers. Jones G. **Mod Vet Pract** 1984 Oct;65(10):783

Enhanced myotoxicity and involvement of both type I and II fibers in monensin-tiamulin toxicosis in pigs. Umemura T, et al. **Vet Pathol** 1985 Jul;22(4):409–14

Nutritional myopathy in cattle associated with monensin toxicosis. Hosie BD, et al. **Vet Rec** 1985 Feb 2;116(5):132–3

Dexamethasone applied to pregnant minisows induces splayleg in minipiglets. Jirmanová I, et al. **Zentralbl Veterinarmed** [A] 1985 Jun;32(6):445–58

The concentration of choline and the activities of cholinesterases, creatine kinase and lactate dehydrogenase in the blood plasma of piglets with the syndrome of splayleg (congenital myofibrillar hypoplasia). Tuček S, et al. **Zentralbl Veterinarmed** [A] 1985 Jan;32(1):1–10

[Dystrophic muscular fibers in the muscles of certain breeds of birds] Uhrín V. **Vet Med (Praha)** 1985 Mar;30(3):179–92 (Eng. Abstr.) **(Slo)**

MUSCULAR DYSTROPHY

Muscular dystrophy (a clinical analysis of 126 cases). Mondkar VP, et al. **J Postgrad Med** 1984 Oct;30(4):224–8

Exercise for patients with neuromuscular diseases [letter] Norris FH. **West J Med** 1985 Feb;142(2):261

BLOOD

Plasma plasmin inhibitors in Duchenne-type progressive muscular dystrophy. Shomura I, et al. **Biochem Med** 1985 Jun;33(3):350–61

Spectrin extractability from erythrocytes in Duchenne muscular dystrophy patients and carriers and in other myopathies. Gargioni G, et al. **Clin Chim Acta** 1985 Feb 15;145(3):259–65

Activity, creatine kinase, and myoglobin in Duchenne muscular dystrophy: a clue to etiology? Florence JM, et al. **Neurology** 1985 May;35(5):758–61

[Abnormal transaminase values in children: consider the muscles] Schulpen TW, et al. **Ned Tijdschr Geneeskd** 1984 Sep 22;128(38):1800–2 (Eng. Abstr.) **(Dut)**

[Recent clinical knowledge of cytoplasmic substances in myogenic and neuromuscular diseases, especially in muscular dystrophy, Duchenne type] Beckmann R. **Wien Klin Wochenschr** 1984 Aug 31;96(16):599–611 (Eng. Abstr.) **(Ger)**

[Blood myoglobin in children with progressive muscular dystrophy and in carriers] Calandi C, et al. **Quad Sclavo Diagn** 1984 Dec;20(4):391–8 (Eng. Abstr.) **(Ita)**

[State of the pancreatic insular apparatus in Erb-Roth and Landouzy-Dejerine progressive muscular dystrophies] Temin PA, et al. **Klin Med (Mosk)** 1984 Sep;62(9):73–6 (Eng. Abstr.) **(Rus)**

[Value of studying plasma lipoproteins in the diagnosis of progressive muscular dystrophies] Badalian LO, et al. **Lab Delo** 1984;(9):548–50 (Eng. Abstr.) **(Rus)**

[Structure and function of lymphocytes in patients with myopathy] Pleshko RI. **Lab Delo** 1985;(3):131–3 (Eng. Abstr.) **(Rus)**

[Characteristics of the phospholipid composition of erythrocyte membranes in Duchenne's progressive muscular dystrophy] Badalian LO, et al. **Pediatriia** 1984 Oct;(10):28–30 (Eng. Abstr.) **(Rus)**

[Clinical role of lipid metabolism indices in the plasma and erythrocytes in progressive muscular dystrophies] Badalian LO, et al. **Vopr Med Khim** 1985 May–Jun;31(3):81–5 (Eng. Abstr.) **(Rus)**

[Distribution of free amino acid in blood plasma and erythrocytes in Becker-Kiner muscular dystrophy] Badalian LO, et al. **Vopr Med Khim** 1984 Jul–Aug; 30(4):132–6 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Myotonic muscular dystrophy associated with ritodrine tocolysis. Sholl JS, et al. **Am J Obstet Gynecol** 1985 Jan 1;151(1):83–6

Inhibition of prostaglandin synthesis produces a muscular dystrophy-like myopathy. McLennan IS. **Exp Neurol** 1985 Sep;89(3):616–21

COMPLICATIONS

Multiple myeloma occurring in association with a preexisting neuromuscular disease (progressive muscular dystrophy). A chance occurrence or a nosological entity? Kissling D, et al. **Acta Haematol (Basel)** 1984;72(2):94–104

A Fukuyama type of congenital muscular dystrophy associated with atypical gyrate atrophy of the choroid and retina. A case report. Mishima H, et al. **Acta Ophthalmol (Copenh)** 1985 Apr;63(2):155–9

Facioscapulohumeral dystrophy presenting in infancy with facial diplegia and sensorineural deafness. Korf BR, et al. **Ann Neurol** 1985 May;17(5):513–6

Spinal bracing and respiratory function in Duchenne muscular dystrophy [letter] Miller G, et al. **Clin Pediatr (Phila)** 1985 Feb;24(2):94

Treatment of symptomatic foot and ankle deformities in the nonambulatory neuromuscular patient. Hsu JD, et al. **Foot Ankle** 1985 Mar–Apr;5(5):238–44

Failure to thrive in Duchenne muscular dystrophy. Call G, et al. **J Pediatr** 1985 Jun;106(6):939–41

[Therapeutic indications in scoliosis of Duchenne muscular dystrophy. Apropos of 10 cases] Rideau Y. **Rev Chir Orthop** 1984;70(7):567–76 (Eng. Abstr.) **(Fre)**

[Acute myocardial infarction in a 13-year-old boy with Duchenne's disease] Cuccia C, et al. **G Ital Cardiol** 1984 Oct;14(10):817–20 (Eng. Abstr.) **(Ita)**

[Anesthesiologic rhabdomyolysis in muscular dystrophy. Report of a case] Fiacchino F, et al. **Minerva Anestesiol** 1984 Oct;50(10):521–6 (Eng. Abstr.) **(Ita)**

[Anesthesia-induced rhabdomyolysis in a patient with Fukuyama-type congenital muscular dystrophy] Nakazato A, et al. **No To Hattatsu** 1984 Sep;16(5):386–92 (Eng. Abstr.) **(Jpn)**

[Myocardiopathy of Duchenne progressive muscular dystrophy] Vianna C de B, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Sep–Oct; 39(5):230–8 **(Por)**

[Blood lipid disorders in Becker-Kiner progressive muscular dystrophy] Islamova IB. **Zh Nevropatol Psikhiatr** 1985; 85(3):346–8 (Eng. Abstr.) **(Rus)**

[Secondary changes in the hip joints of children with progressive muscular dystrophy] Ratner AIu, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1608–9 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Congenital muscular dystrophy--its spectrum] Barth PG, et al. **Tijdschr Kindergeneeskd** 1984 Dec;52(6):209–12 (Eng. Abstr.) **(Dut)**

[2 autopsy cases of congenital muscular dystrophy of Fukuyama type--a typical and an atypical cases] Koga M, et al. **No To Shinkei** 1984 Nov;36(11):1103–8 (Eng. Abstr.) **(Jpn)**

[Two cases of benign myopathy; so-called congenital muscular dystrophy, in two female patients] Yokochi K, et al. **Rinsho Shinkeigaku** 1984 Sep;24(9):884–90 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Amniocyte collagen synthesis does not distinguish Duchenne muscular dystrophy [letter] Stern R, et al. **Am J Hum Genet** 1984 Nov;36(6):1397–8

Fetal plasma carbonic anhydrase III in prenatal diagnosis of Duchenne muscular dystrophy. Heath R, et al. **Am J Med Genet** 1985 Jan;20(1):115–22

Topical magnetic resonance for the study of muscle metabolism in human myopathy. Edwards RH, et al. **Clin Physiol** 1985 Apr;5(2):93–109

Plasma phosphoglycerate mutase as a marker of muscular dystrophy. Chown PJ, et al. **J Neurol Sci** 1984 Aug; 65(2):201–10

An attempt to differentiate female relatives of Duchenne type dystrophy from healthy subjects using an automatic EMG analysis. Toulouse P, et al. **J Neurol Sci** 1985 Jan; 67(1):45–55

Prenatal diagnosis of Duchenne dystrophy [letter] Harper PS, et al. **Lancet** 1985 Apr 13;1(8433):872

Enhanced T1 differentiation between normal and dystrophic muscles. Misra LK, et al. **Magn Reson Imaging** 1984; 2(1):33–5

Reliability of goniometric measurements in patients with Duchenne muscular dystrophy. Pandya S, et al. **Phys Ther** 1985 Sep;65(9):1339–42

Creatine kinase estimation in pure fetal blood samples for the prenatal diagnosis of Duchenne muscular dystrophy. Edwards RJ, et al. **Prenat Diagn** 1984 Jul–Aug;4(4):267–77

[Differential diagnosis of progressive muscular dystrophies using an expert computer system] Mařiková T, et al. **Cas Lek Cesk** 1985 Jan 25;124(4):109–13 (Eng. Abstr.) **(Cze)**

[Severe autosomal recessive myopathies in children in Tunisia] Ben Hamida M. **Bull Acad Natl Med (Paris)** 1984 Oct–Nov;168(7–8):937–40 **(Fre)**

[Progressive muscular dystrophy in childhood: differential diagnosis and prevention strategy] Schiffer D, et al. **Pathologica** 1983;75 Suppl:111–6 **(Ita)**

[The electrocardiogram in progressive muscular dystrophy and myotonic diseases. A study of 77 patients] Galvão PB, et al. **Arq Bras Cardiol** 1984 Apr;42(4):273–9 (Eng. Abstr.) **(Por)**

[Correlation between the results of traditional electromyographic studies and frequency analysis of the EMG and the severity of the clinical manifestations of muscular dystrophy] Goffman V, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1606–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Growth hormone inhibition causes increased selenium levels in Duchenne muscular dystrophy: a possible new approach to therapy. Collipp PJ, et al. **J Med Genet** 1984 Aug; 21(4):254–6

Clinical trials of allopurinol in Duchenne muscular dystrophy. Thomson WH. **Med Hypotheses** 1985 Jun; 17(2):175–89 (92 ref.)

Chronic allopurinol and adenine therapy in Duchenne muscular dystrophy: effects on muscle function, nucleotide degradation, and muscle ATP and ADP content. Bertorini TE, et al. **Neurology** 1985 Jan;35(1):61–5

Absence of major side effects of nifedipine following treatment of Duchenne dystrophy [letter] Moxley RT 3d. **Pediatrics** 1985 Jun;75(6):1168–9

[Treatment problems using anabolic steroids in progressive muscular dystrophy] Badalian LO, et al. **Klin Med (Mosk)** 1984 Nov;62(11):23–9 (51 ref.) **(Rus)**

[Effect of retabolyl on the dynamics of urinary catecholamine and DOPA excretion and electroneuromyographic indices in patients with Duchenne's myodystrophy] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1630–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A preliminary study of serum beta-glucuronidase enzyme activity in progressive muscular dystrophies. Vainzof M, et al. **Am J Med Genet** 1985 Jun;21(2):395–9

Succinic dehydrogenase activity of forelimb and hindlimb muscles of the dystrophic mouse. Parry DJ, et al. **Can J Physiol Pharmacol** 1984 Aug;62(8):905–11

Phosphatidic acid phosphatase activity in subcellular fractions of normal and dystrophic human muscle. Kunze D, et al. **Clin Chim Acta** 1985 Mar 15;146(2–3):167–74

Calcium-activated neutral protease from muscle and platelets of Duchenne muscular dystrophy cases. Rabbani N, et al. **Clin Chim Acta** 1984 Nov 15;143(2):163–8

Biochemical and histochemical studies on alkaline phosphatase in normal and dystrophic muscle. Kirkeby S, et al. **Exp Pathol** 1985;27(3):131–6

Plasma pyruvate kinase and creatine kinase activity in Becker muscular dystrophy. Aston JP, et al. **J Neurol Sci** 1984 Sep;65(3):307–14

Serum carbonic anhydrase III in progressive muscular dystrophy. Mokuno K, et al. **J Neurol Sci** 1985 Feb; 67(2):223–8

Transport enzymes in the cell membranes of cultured fibroblasts; alterations in dystrophic cells. Mokrasch LC. **Life Sci** 1985 Sep 9;37(10):931–5

Aldehyde reductases and their involvement in muscular dystrophy. Davidson WS, et al. **Prog Clin Biol Res** 1985; 174:251–63

[Determination of creatine kinase activity using bioluminescence] Kühn HJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Sep;36(9):551–5 (Eng. Abstr.) **(Ger)**

[Mitochondrial monoamine oxidase in progressive Duchenne muscular dystrophy] Badalian LO, et al. **Vopr Med Khim** 1985 Jan–Feb;31(1):68–71 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Role of neurotrophic control in the formation of vertebrogenic neural and myodystrophic syndromes] Popelianskiĭ IaIu, et al. **Zh Nevropatol Psikhiatr** 1985; 85(3):333–7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Landouzy-Dejerine disease: a progressive metameric muscular dystrophy of autosomal dominant inheritance with a variable intrafamilial phenotype expression. Rossi A, et al. **Acta Neurol (Napoli)** 1985 Apr;7(2):93–111

Cerebro-ocular dysplasia-muscular dystrophy (COD-MD) syndrome. Towfighi J, et al. **Acta Neuropathol (Berl)** 1984; 65(2):110–23

Urinary 3-methylhistidine and urinary 3-methylhistidine/creatinine ratio in Duchenne-muscular dystrophy in hemizygotes and in gene-carriers. László A, et al. **Acta Paediatr Hung** 1984;25(4):339–41

Myosin isoforms in normal and dystrophic human and murine muscles. Hoh JF, et al. **Adv Exp Med Biol** 1985;182:43–62

Genetic analysis of Duchenne dystrophy. Kunkel L, et al. **Adv Exp Med Biol** 1985;182:287–94

Right-axis deviation and anterior wall thallium-201 defect in Becker's muscular dystrophy. Levin RN, et al. **Am J Cardiol** 1985 Jul 1;56(1):203–4

Localization of DNA sequences in region Xp21 of the human X chromosome: search for molecular markers close to the Duchenne muscular dystrophy locus. de Martinville B, et al. **Am J Hum Genet** 1985 Mar;37(2):235–49

Minor Xp21 chromosome deletion in a male associated with expression of Duchenne muscular dystrophy, chronic granulomatous disease, retinitis pigmentosa, and McLeod syndrome. Francke U, et al. **Am J Hum Genet** 1985 Mar;37(2):250–67

Mapping DNA sequences in a human X-chromosome deletion which extends across the region of the Duchenne muscular dystrophy mutation. Ingle C, et al. **Am J Hum Genet** 1985 May;37(3):451–62

Mapping of X-linked Becker muscular dystrophy through crossovers identified by DNA polymorphisms and by haplotype characterization in somatic cell hybrids. Roncuzzi L, et al. **Am J Hum Genet** 1985 Mar;37(2):407–17

Plasma/serum myoglobin in prenatal diagnosis of Duchenne muscular dystrophy [letter] Edwards RJ, et al. **Am J Med Genet** 1985 Jul;21(3):605–10

Genetic counseling in Becker type X linked muscular dystrophy. I. Theoretical considerations. Grimm T. **Am J Med Genet** 1984 Aug;18(4):713–8

Genetic counseling in Becker type X-linked muscular dystrophy. II: Practical considerations. Grimm T. **Am J Med Genet** 1984 Aug;18(4):719–23

Evaluation of carrier detection of Duchenne muscular dystrophy using carbonic anhydrase III and creatine kinase. Heath R, et al. **Am J Med Genet** 1985 Jun;21(2):291–6

Late-onset oculogastrointestinal muscular dystrophy. Ionasescu VV, et al. **Am J Med Genet** 1984 Aug;18(4):781–8

Turner's syndrome and Duchenne muscular dystrophy in a girl with an X; autosome translocation. Bjerglund Nielsen L, et al. **Ann Genet (Paris)** 1984;27(3):173–7

Autosomal recessive distal muscular dystrophy: a comparative study with distal myopathy with rimmed vacuole formation. Nonaka I, et al. **Ann Neurol** 1985 Jan;17(1):51–9

Myotonic muscular dystrophy. From clinical description to molecular genetics. Roses AD. **Arch Intern Med** 1985 Aug;145(8):1487–92

A genetic variant of Emery-Dreifuss disease. Muscular dystrophy with humeropelvic distribution, early joint contracture, and permanent atrial paralysis. Takamoto K, et al. **Arch Neurol** 1984 Dec;41(12):1292–3

Congenital muscular dystrophy with cerebral white matter spongiosis. Echenne B, et al. **Brain Dev** 1984;6(5):491–5

A genetic study of the Fukuyama type congenital muscular dystrophy. Fukuyama Y, et al. **Brain Dev** 1984;6(4):373–90

Fukuyama type congenital muscular dystrophy--two Dutch siblings. Peters AC, et al. **Brain Dev** 1984;6(4):406–16

A spin label study of the erythrocyte membrane in mothers and sisters of patients suffering from Duchenne muscular dystrophy. Leterrier F, et al. **Clin Chim Acta** 1984 Nov 15;143(2):99–108

Oculopharyngeal dystrophy: clinicopathological study of an Australian family. Blumbergs PC, et al. **Clin Exp Neurol** 1983;19:102–9

Scapuloperoneal myopathy. Todman DH, et al. **Clin Exp Neurol** 1984;20:169–74

Computed tomographic findings in manifesting carriers of Duchenne muscular dystrophy. de Visser M, et al. **Clin Genet** 1985 Mar;27(3):269–75

Carrier detection in Becker muscular dystrophy using creatine kinase estimation and DNA analysis. Kingston HM, et al. **Clin Genet** 1985 Apr;27(4):383–91

Carrier detection in Duchenne muscular dystrophy using computed tomography. Stern LM, et al. **Clin Genet** 1985 Apr;27(4):392–7

Construction of a human X-chromosome-enriched phage library which facilitates analysis of specific loci. Kunkel LM, et al. **Gene** 1985;33(3):251–8

One family of benign X-linked pseudohypertrophic muscular dystrophy of early onset. Itoga E, et al. **Hiroshima J Med Sci** 1984 Sep;33(3):303–10

Genetic linkage relationships of seven DNA probes with Duchenne and Becker muscular dystrophy. Brown CS, et al. **Hum Genet** 1985;71(1):62–74

Definitive localization of Becker muscular dystrophy in Xp by linkage to a cluster of DNA polymorphisms (DXS43 and DXS9). Fadda S, et al. **Hum Genet** 1985;71(1):33–6

Isolation of probes detecting restriction fragment length polymorphisms from X chromosome-specific libraries: potential use for diagnosis of Duchenne muscular dystrophy. Hofker MH, et al. **Hum Genet** 1985;70(2):148–56

X-linked Duchenne muscular dystrophy in an unusual family with manifesting carriers. Kaladhar Reddy B, et al. **Hum Genet** 1984;67(4):460–2

Multipoint linkage analysis of the short arm of the human X chromosome in families with X-linked muscular dystrophy. Wilcox DE, et al. **Hum Genet** 1985;70(4):365–75

Duchenne's muscular dystrophy in monozygotic twins. Radhakrishnan K, et al. **Indian J Pediatr** 1984 Mar-Apr;51(409):251–3

Duchenne's muscular dystrophy: carrier detection by imaging technics. Rott HD, et al. **J Genet Hum** 1984 Sep;32(4):287–90

Linkage analysis of a DNA polymorphism proximal to the Duchenne and Becker muscular dystrophy loci on the short arm of the X chromosome. Brown CS, et al. **J Med Genet** 1985 Jun;22(3):179–81

Cell surface abnormality in clones of skin fibroblasts from a carrier of Duchenne muscular dystrophy. Hillier J, et al. **J Med Genet** 1985 Apr;22(2):100–3

Linkage studies in autosomal dominant facioscapulohumeral muscular dystrophy. Padberg G, et al. **J Neurol Sci** 1984 Sep;65(3):261–8

A sensitive assay for detecting hypersensitivity to ionizing radiation in lymphoblastoid lines from patients with Duchenne muscular dystrophy and primary neuronal degenerations. Tarone RE, et al. **J Neurol Sci** 1984 Sep;65(3):367–81

Genotype prediction in Duchenne muscular dystrophy [letter] **Lancet** 1985 Jun 15;1(8442):1391–2

Prenatal diagnosis and carrier detection of Duchenne muscular dystrophy with closely linked RFLPs. Bakker E, et al. **Lancet** 1985 Mar 23;1(8430):655–8

DNA probes in Duchenne muscular dystrophy [letter] Clayton J, et al. **Lancet** 1984 Nov 17;2(8412):1151–2

Old problems in new clothes [letter] Edwards JH. **Lancet** 1985 Jul 6;2(8445):40

Probe for muscular dystrophy [news] Conneally PM. **Nature** 1985 Aug 29-Sep 4;316(6031):763–4

Detection of deletions spanning the Duchenne muscular dystrophy locus using a tightly linked DNA segment. Monaco AP, et al. **Nature** 1985 Aug 29-Sep 4;316(6031):842–5

Emery-Dreifuss muscular dystrophy with autosomal dominant transmission. Miller RG, et al. **Neurology** 1985 Aug;35(8):1230–3

Gene for OTC: characterisation and linkage to Duchenne muscular dystrophy. Davies KE, et al. **Nucleic Acids Res** 1985 Jan 11;13(1):155–65

Human X chromosome markers and Duchenne muscular dystrophy. Davies KE, et al. **Nucleic Acids Res** 1985 May 24;13(10):3419–26

Human ornithine transcarbamylase locus mapped to band Xp21.1 near the Duchenne muscular dystrophy locus. Lindgren V, et al. **Science** 1984 Nov 9;226(4675):698–700

Myotonic dystrophy: obstetric and neonatal complications. Sun SF, et al. **South Med J** 1985 Jul;78(7):823–6

[Autosomal recessive pseudohypertonic muscular dystrophy with mental retardation. Report on 2 siblings] Lesný I, et al. **Cesk Neurol Neurochir** 1984 Aug;47(4):251–4 (Eng. Abstr.) **(Cze)**

[Importance of recombinant DNA studies for the identification of carriers of Duchenne's muscular dystrophy] Veenema H, et al. **Ned Tijdschr Geneeskd** 1985 Jun 15;129(24):1137–41 **(Dut)**

[Restriction polymorphism of 3 human genomic probes on the short arm of the X chromosome in a reference population, and applications in prenatal and carrier female diagnosis of Duchenne's muscular dystrophy] Dandieu S, et al. **C R Acad Sci [III]** 1985;301(6):271–6 (Eng. Abstr.) **(Fre)**

[Detection, genetic counseling and phenotype prevention of Duchenne muscular dystrophy] Bachmann H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Sep;36(9):537–44 (Eng. Abstr.) **(Ger)**

[Humeral-peroneal muscular dystrophy with cardiomyopathy and sex-linked recessive heredity (Emery-Dreifuss). Description of a case with orthopedic problems] Merlini L, et al. **Chir Organi Mov** 1984;69(3):291–5 (8 ref.) (Eng. Abstr.) **(Ita)**

[Is Walker-Warburg syndrome a severe variant of Fukuyama type congenital muscular dystrophy (FCMD)?] Takada K, et al. **No To Hattatsu** 1985 May;17(3):269–71 **(Jpn)**

[Duchenne muscular dystrophy in a female with an X-autosome translocation] Narazaki O, et al. **Rinsho Shinkeigaku** 1985 Apr;25(4):432–6 (Eng. Abstr.) **(Jpn)**

[Sex-related neurologic diseases. Duchenne muscular dystrophy. Lowe's disease] Castro-Gago M. **An Esp Pediatr** 1984 Oct;21 Suppl 20:51–4 **(Spa)**

IMMUNOLOGY

Increased expression of HLA ABC class I antigens by muscle fibres in Duchenne muscular dystrophy, inflammatory myopathy, and other neuromuscular disorders. Appleyard ST, et al. **Lancet** 1985 Feb 16;1(8425):361–3

METABOLISM

Proteolytic activity and calcium concentration in muscle wasting conditions. Garbin L, et al. **Boll Soc Ital Biol Sper** 1984 Aug 31;60(8):1551–65

Fibroblasts from patients with myotonic muscular dystrophy: cholesterol requirement for proliferation and sensitivity to polyene antibiotics. Ohno K, et al. **Brain Dev** 1984;6(6):566–70

Measurements of calcium and other elements in muscle biopsy samples from patients with Duchenne muscular dystrophy. Jackson MJ, et al. **Clin Chim Acta** 1985 Apr 30;147(3):215–21

Total body potassium and water, and exchangeable sodium, in muscular dystrophy. Edmonds CJ, et al. **Clin Sci** 1985 Apr;68(4):379–85

Increased endocytosis of acetylcholine receptors by dystrophic mouse myotubes in vitro. Cossu G, et al. **Dev Biol** 1985 Aug;110(2):362–8

Progressive muscular dystrophy (Duchenne): biochemical studies by flow-cytometry. Hirsch-Kauffmann M, et al. **Hum Genet** 1985;69(4):332–6

Duchenne's muscular dystrophy: a tissue culture perspective. Bonsett CA, et al. **Indiana Med** 1984 Jun;77(6):446–9

Reduced adrenal androgens in patients with myotonic dystrophy. Carter JN, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):611–4

Dissociation of insulin resistance and decreased insulin receptor binding in Duchenne muscular dystrophy. Freidenberg GR, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):320–7

Lectin blotting of human muscle. Identification of a high molecular weight glycoprotein which is absent or altered in Duchenne muscular dystrophy. Capaldi MJ, et al. **J Neurol Sci** 1985 May;68(2–3):225–31

Concanavalin A binding to fibroblasts from Duchenne muscular dystrophy patients and age-matched controls. Hellman M, et al. **J Neurol Sci** 1984 Sep;65(3):315–21

An in vivo study of muscle phosphate metabolism in Becker's dystrophy by 31P NMR spectroscopy. Newman RJ. **Metabolism** 1985 Aug;34(8):737–40

Calcium and magnesium content in fetuses at risk and prenecrotic Duchenne muscular dystrophy. Bertorini TE, et al. **Neurology** 1984 Nov;34(11):1436–40

Are cytoplasmic calcium concentrations increased in Duchenne myofibers? [letter] Bhattacharya SK, et al. **Neurology** 1985 Apr;35(4):617–8

Defective [U-14 C] palmitic acid oxidation in Duchenne muscular dystrophy. Carroll JE, et al. **Neurology** 1985 Jan;35(1):96–7

Duchenne muscular dystrophy: normal ATP turnover in cultured cells. Fox IH, et al. **Neurology** 1985 Oct;35(10):1521–4

Erythrocyte calcium transport in myotonic and facioscapulohumeral muscular dystrophy. Mollman JE, et al. **Neurology** 1984 Nov;34(11):1514–6

Muscle mitochondria from patients with Duchenne muscular dystrophy have a normal beta oxidation, but an impaired oxidative phosphorylation [letter] Scholte HR, et al. **Neurology** 1985 Sep;35(9):1396–7

Structural proteins of the opaque muscle fibers in Duchenne muscular dystrophy. Uchino M, et al. **Neurology** 1985 Sep;35(9):1364–7

Defective Ca2+ metabolism in Duchenne muscular dystrophy: effects on cellular and viral growth. Fingerman E, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7617–21

[Abnormal cell membrane and muscle cell differentiation disorder in muscular dystrophy] Yoshikawa A, et al. **Nippon Rinsho** 1985 Apr;43(4):819–22 **(Jpn)**

[Structural proteins of the opaque muscle fibers in Duchenne muscular dystrophy] Uchino M, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):166–70 (Eng. Abstr.) **(Jpn)**

[Lipid peroxidation in children with Duchenne's hereditary myopathy] Grinio LP, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):423–5 (Eng. Abstr.) **(Rus)**

MORTALITY

[Causes of death in Fukuyama congenital muscular dystrophy] Ishihara T, et al. **Rinsho Shinkeigaku** 1984 Oct;24(10):968–74 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Survey of neuromuscular disorders in Lebanon. I. Profile of the genetically determined muscular dystrophies. Afifi AK, et al. **Middle East J Anaesthesiol** 1983 Oct;7(3):175–92

PATHOLOGY

Ultrastructural studies on the neuromuscular junctions of Becker's muscular dystrophy. Fukuhara N, et al. **Acta Neuropathol (Berl)** 1985;66(4):283–91

Comparative study of alterations of skeletal muscle in Duchenne muscular dystrophy and polymyositis. Morizumi H, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1221–42

Evidence for defective myoblasts in Duchenne muscular dystrophy. Blau HM, et al. **Adv Exp Med Biol** 1985;182:85–110

Increased ouabain sensitivity of cultured human fibroblasts from muscular dystrophy. Ledbetter ML. **Am J Physiol** 1984 Nov;247(5 Pt 1):C415–23

Muscle fiber degeneration and necrosis in muscular dystrophy and other muscle diseases: cytochemical and immunocytochemical data. Cornelio F, et al. **Ann Neurol** 1984 Dec;16(6):694–701

Increased head circumference in patients with Duchenne muscular dystrophy [letter] Schmidt B, et al. **Ann Neurol** 1985 Jun;17(6):620–1

Mitral valve prolapse related to geometric changes of the heart in cases of progressive muscular dystrophy [letter] Cheng TO. **Clin Cardiol** 1985 Jan;8(1):63

Mitral valve prolapse related to geometrical changes of the heart in cases of progressive muscular dystrophy. Yazawa Y. **Clin Cardiol** 1984 Apr;7(4):198–204

The effect of monensin on cell aggregation of normal and dystrophic human skin fibroblasts. Jones GE, et al. **Exp Cell Res** 1985 Aug;159(2):540–5

Developmental neuron cell death in dystrophic and normal chickens. Barnett RI. **Exp Neurol** 1985 Aug;89(2):382–90

Freeze-fracture analysis of the muscle fiber plasma membrane in Duchenne dystrophy. Peluchetti D, et al. **Neurology** 1985 Jun;35(6):928–30

Duchenne dystrophy: reduced density of orthogonal array subunit particles in muscle plasma membrane. Wakayama Y, et al. **Neurology (NY)** 1984 Oct;34(10):1313–7

[Demonstration of myotonic cataract with Scheimpflug photography] Olbert D, et al. **Fortschr Ophthalmol** 1984;81(4):341–3 (Eng. Abstr.) **(Ger)**

[Duchenne's muscular dystrophy. Report of a clinical case] Weiller C. **Pathologe** 1985 Jan;6(1):32-7 **(Ger)**

PHYSIOPATHOLOGY

Gene expression in muscle. Summary and synthesis. Howell RR. **Adv Exp Med Biol** 1985;182:359-61

Clinical perspective: phenotypic expression in muscular dystrophy. Rowland LP. **Adv Exp Med Biol** 1985;182:3-14

Fast walking velocity in health and Duchenne muscular dystrophy: a statistical analysis. Cohen L, et al. **Arch Phys Med Rehabil** 1984 Oct;65(10):573-8

Evoked muscle action potentials in patients with muscular dystrophy. López-Estrada E, et al. **Arch Phys Med Rehabil** 1984 Nov;65(11):717-20

Progression of equinus deformity in Duchenne muscular dystrophy. Seeger BR, et al. **Arch Phys Med Rehabil** 1985 May;66(5):286-8

Muscle wasting in the muscular dystrophies. Rennie MJ. **Dev Med Child Neurol** 1985 Aug;27(4):524-7

Electrophysiological studies in myotonic dystrophy. 2: Single fibre E.M.G. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec; 24(7):537-46

Electrophysiological studies in myotonic dystrophy. 1: Potential motor unit parameters and conduction velocity of the motor and sensory peripheral nerve fibres. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec;24(7):523-35

Temperature effects on the kinetics of force generation in normal and dystrophic mouse muscles. Gordon T, et al. **Exp Neurol** 1985 Aug;89(2):348-60

Heterogeneity of tropomyosin and actin in normal and diseased muscle. Feit H, et al. **J Neurogenet** 1983 Sep; 1(1):91-103

Adhesive interactions between normal and dystrophic human skin fibroblasts. Pizzey JA, et al. **J Neurol Sci** 1985 Jul; 69(3):207-21

Acetylcholine-sensitivity in fast and slow twitch muscle of normal and dystrophic (C57 BL/6J dy2J/dy2J) mice. Noireaud J, et al. **Pflugers Arch** 1985 May;404(2):185-9

[Single-fiber EMG in muscular dystrophy] Claes G, et al. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):27-34 **(Dut)**

[Preclinical changes in left ventricular function in myotonic muscular dystrophy. Value of the isovolumetric index] Crepaz R, et al. **G Ital Cardiol** 1984 Nov;14(11):847-51 (Eng. Abstr.) **(Ita)**

[Granulocyte function in Duchenne's progressive muscular dystrophy] Adami Lami C, et al. **Quad Sclavo Diagn** 1984 Dec;20(4):460-8 (Eng. Abstr.) **(Ita)**

[Elevation in upper part of trapezius muscles in FSH muscular dystrophy] Mano Y, et al. **Rinsho Shinkeigaku** 1985 Apr;25(4):448-53 (Eng. Abstr.) **(Jpn)**

[Value of the test with Nakom for assessing the state of the sympathoadrenal system in patients with different forms of progressive muscular dystrophy] Badalian LO, et al. **Lab Delo** 1984;(11):649-52 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Genetic counseling [letter] Sammarco MJ. **Del Med J** 1984 Jul;56(7):421-2

PSYCHOLOGY

The psychosocial impact of a progressive physical handicap and terminal illness (Duchenne muscular dystrophy) on adolescents and their families. Witte RA. **Br J Med Psychol** 1985 Jun;58 (Pt 2):179-87

IQ, prognosis and Duchenne muscular dystrophy. Miller G, et al. **Brain Dev** 1985;7(1):7-9

[Analysis of tracking behavior in patients with muscular dystrophy] Yamashita T, et al. **Shinrigaku Kenkyu** 1984 Jun;55(2):102-8 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

CT manifestation of ocular muscular dystrophy. Wosick WF, et al. **Comput Radiol** 1984 Nov-Dec;8(6):391-3

Progression of muscular dystrophy assessed by computed tomography. Stern LM, et al. **Dev Med Child Neurol** 1984 Oct;26(5):569-73

[A computed tomography study of myotonic dystrophy] Kawazawa S, et al. **No To Shinkei** 1984 Aug;36(8):737-41 (Eng. Abstr.) **(Jpn)**

[Computed tomography in Duchenne type muscular dystrophy--morphological stages based on the computed tomographical findings] Kawai M, et al. **Rinsho Shinkeigaku** 1985 May;25(5):578-90 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

The pyrophosphate heart scintigram in children with progressive muscular dystrophy. Duška F, et al. **Nuklearmedizin** 1984 Aug;23(4):189-91

REHABILITATION

Duchenne muscular dystrophy: a case with prolonged survival. Johnson EW, et al. **Arch Phys Med Rehabil** 1985 Apr;66(4):260-1

Lumbar extension in Duchenne muscular dystrophy: effect on lateral curvature. Seeger BR, et al. **Arch Phys Med Rehabil** 1985 Apr;66(4):236-8

Prolongation of walking in Duchenne muscular dystrophy with lightweight orthoses: review of 57 cases. Heckmatt JZ, et al. **Dev Med Child Neurol** 1985 Apr;27(2):149-54

Upper limb weakness in children with Duchenne muscular dystrophy--a neglected problem. James WV, et al. **Prosthet Orthot Int** 1984 Aug;8(2):111-3

[Treatment of Duchenne's myopathy with early physiotherapy. Critical analysis] Rideau Y. **Arch Fr Pediatr** 1985 Jan;42(1):17-21 (Eng. Abstr.) **(Fre)**

SURGERY

Treatment of scoliosis in Duchenne muscular dystrophy. Sussman MD. **Dev Med Child Neurol** 1985 Aug;27(4):522-4

Advantage of early spinal stabilization and fusion in patients with Duchenne muscular dystrophy. Sussman MD. **J Pediatr Orthop** 1984 Sep;4(5):532-7

[Anesthesia in children with myopathies] Mercier C, et al. **Cah Anesthesiol** 1984 Sep;32(5):349-53 **(Fre)**

[Case of surgical treatment of an ocular form of myopathy] Krol' DS, et al. **Vestn Oftalmol** 1985 Jan-Feb;101(1):54-6 (Eng. Abstr.) **(Rus)**

THERAPY

A new spinal brace for use in Duchenne muscular dystrophy. Young A, et al. **Dev Med Child Neurol** 1984 Dec; 26(6):808-13

[Experiences and problems in the complex care of children and adolescents suffering from Duchenne muscular dystrophy] Gerhardt R, et al. **Padiatr Grenzgeb** 1985; 24(3):205-8 (Eng. Abstr.) **(Ger)**

MUSCULAR DYSTROPHY, ANIMAL

BLOOD

Phospholipid composition of dystrophic chicken erythrocyte plasmalemmae. I. Isolation of a unique lipid in dystrophic erythrocyte membranes. Kester M, et al. **Biochim Biophys Acta** 1984 Nov 21;778(1):112-20

Phospholipid composition of dystrophic chicken erythrocyte plasmalemmae. II. Characterization of a unique lipid from dystrophic erythrocyte membranes as ethanolamine plasmalogen. Kester M, et al. **Biochim Biophys Acta** 1984 Nov 21;778(1):121-8

Avian muscular dystrophy: serum thyroid defect and limited improvement with methimazole and propylthiouracil. Entrikin RK, et al. **Exp Neurol** 1985 Feb;87(2):318-25

Leukocyte cell populations in hereditary muscular dystrophic chickens. Dietert RR, et al. **J Hered** 1985 Jul-Aug; 76(4):285-8

DIAGNOSIS

Evaluation of muscle degeneration in inherited muscular dystrophy by nuclear magnetic resonance techniques. Misra LK, et al. **Magn Reson Imaging** 1982;1(2):75-9

EMBRYOLOGY

The musculus complexus of normal and dystrophic chicken embryos. Allen ER. **Poult Sci** 1984 Oct;63(10):2087-93

ENZYMOLOGY

Distribution of slow myosin in dystrophic chicken muscle. Bandman E. **Adv Exp Med Biol** 1985;182:63-72

Decreased mitochondrial creatine kinase activity in dystrophic chicken breast muscle alters creatine-linked respiratory coupling. Bennett VD, et al. **Arch Biochem Biophys** 1985 Jul;240(1):380-91

Content and synthesis of glycolytic enzymes and creatine kinase in skeletal muscles and normal and dystrophic chickens. Petell JK, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):271-80

Altered membrane association of glycogen phosphorylase in the dystrophic chicken. Sokolove PM. **Biochim Biophys Acta** 1985 Aug 16;841(2):232-6

Plasmalogenase activity in normal and dystrophic chicken erythrocytes. Kester M, et al. **Comp Biochem Physiol [B]** 1984;79(1):51-4

Content and synthesis of glycolytic enzymes in normal, denervated, and dystrophic skeletal muscle fibers. Lebherz HG. **Int J Biochem** 1984;16(12):1201-5 (35 ref.)

Increases in cathepsins B and L and thiol proteinase inhibitor in muscle of dystrophic hamsters. Their localization in invading phagocytes. Kominami E, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1841-8

Myosin heavy chain in avian muscular dystrophy corresponds to the neonatal isozyme. Huszar G, et al. **J Biol Chem** 1985 Aug 25;260(18):9957-60

Glucose-6-phosphate dehydrogenase, 6-phosphogluconate dehydrogenase and glyceraldehyde-3-phosphate dehydrogenase activities in early stages of development in dystrophic chickens. Mizuno Y. **J Neurol Sci** 1985 Apr; 68(1):47-60

Phosphorylation of the sarcolemma of dystrophic and normal hamster muscle following denervation. Walkiewicz MJ, et al. **J Neurol Sci** 1985 May-Jun;69(1-2):93-102

Similar effects of various low-molecular-weight enzyme inhibitors on enzyme networks in dystrophic mice. Aoyagi T, et al. **J Pharmacobiodyn** 1984 Sep;7(9):681-7

Aldehyde reductases and their involvement in muscular dystrophy. Davidson WS, et al. **Prog Clin Biol Res** 1985; 174:251-63

Proteinase activities in normal and dystrophic chicken myoblasts in culture. Sohar I, et al. **Prog Clin Biol Res** 1985;180:629-31

FAMILIAL & GENETIC

Myosin isoforms in normal and dystrophic human and murine muscles. Hoh JF, et al. **Adv Exp Med Biol** 1985;182:43-62

Myosin light chain-1: genetic analysis of three variants found in fast white chicken muscle and investigation of linkage with the muscular dystrophy gene. Rushbrook JI, et al. **Biochem Genet** 1985 Feb;23(1-2):17-27

A new mutant at the Dystrophia muscularis (dy) locus in the SM strain of mice. Hayakawa J, et al. **Lab Anim** 1985 Jan;19(1):1-2

IMMUNOLOGY

Natural killer (NK) cell activity in murine muscular dystrophy. II. Age-related tissue distribution and enhanced NK activity in the thymus of dystrophic mice. Semple JW, et al. **Clin Immunol Immunopathol** 1984 Nov;33(2):144-53

Impaired mitogen responses in lambs with white muscle disease. Turner RJ, et al. **Res Vet Sci** 1984 Nov;37(3):357-8

METABOLISM

Parvalbumin reduction in relation to possible perturbations of Ca2+-homeostasis in muscular dystrophy. Pette D, et al. **Adv Exp Med Biol** 1985;182:265-7

Biochemical changes in progressive muscular dystrophy. XIII. Nucleic acids, proteins, and total nucleotides in the thymus and spleen of dystrophic mice. Srivastava U, et al. **Can J Biochem Cell Biol** 1985 May;63(5):325-32

Connective tissue metabolism in muscular dystrophy. Amino acid composition of native types I, III, IV and V collagen isolated from the gastrocnemius muscle of embryonic chickens with genetic muscular dystrophy. DeMichele SJ, et al. **Comp Biochem Physiol [B]** 1985;81(1):149-57

Connective tissue metabolism in muscular dystrophy. Levels of collagen and mucopolysaccharides in embryonic chickens with genetic muscular dystrophy. DeMichele SJ, et al. **Comp Biochem Physiol [B]** 1984;79(2):203-9

Ca2+ capacity and uptake rate in skinned fibers of myodystrophic muscle. Mobley BA. **Exp Neurol** 1985 Jan; 87(1):137-46

Defective synthesis of glycerophosphorylcholine in murine muscular dystrophy; the primary molecular lesion? Infante JP. **FEBS Lett** 1985 Jul 8;186(2):205-10

Retarded decline in poly-ADPR content and poly-ADPR synthetase activity in chicken dystrophic muscle. Yoshikawa A, et al. **FEBS Lett** 1985 Jan 21;180(1):1-4

Structure of myosin heavy chain in avian muscular dystrophy. Huszar G, et al. **J Biol Chem** 1985 Jun 25; 260(12):7429-34

Synthesis of apolipoprotein A1 in skeletal muscles of normal and dystrophic chickens. Shackelford JE, et al. **J Biol Chem** 1985 Jan 10;260(1):288-91

Characterization of lymphocyte interferons with different species specificities from normal and genetically dystrophic chickens. Thacore HR, et al. **J Interferon Res** 1985 Spring; 5(2):279-88

Decrease in N-acetyl-L-aspartic acid in brain of myodystrophic mice. Marcucci F, et al. **J Neurochem** 1984 Nov;43(5):1484-6

Changes in turbidity during microtubule assembly in brain extracts from normal chickens and chickens with muscular dystrophy. Feit H, et al. **J Neurogenet** 1984 Apr;1(2):141-52

Evidence on hypomyelination of central nervous system in murine muscular dystrophy. Tsuji S, et al. **J Neurol Sci** 1985 May;68(2-3):175-84

Continued expression of neonatal myosin heavy chain in adult dystrophic skeletal muscle. Bandman E. **Science** 1985 Feb 15;227(4688):780-2

PATHOLOGY

A quantitative assessment of myelin sheaths in the peripheral nerves of dystrophic, quaking, and trembler mutants. Beuche W, et al. **Acta Neuropathol (Berl)** 1985;66(1):29-36

Myotrophic factor(s) in normal and dystrophic chicken skeletal muscle. Matsuda R, et al. **Adv Exp Med Biol** 1985; 182:137-40

Satellite cells in normal, regenerating and dystrophic muscle. Schultz E. **Adv Exp Med Biol** 1985;182:73-84

Characteristics of growth and protein synthesis in skeletal muscles of normal and dystrophic chickens. Kang CW, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):1-8

Alterations in the pituitary-thyroid axis and 5'-deiodinase activity in mice with muscular dystrophy. Watson AY, et al. **Endocrinology** 1985 Jun;116(6):2201-8

Myoblast senescence in muscular dystrophy. Wright WE. **Exp Cell Res** 1985 Apr;157(2):343-54

Normal basal laminas are realized on dystrophic Schwann cells in dystrophic in equilibrium shiverer chimera nerves. Peterson AC, et al. **J Cell Biol** 1984 Nov;99(5):1831-7

Naked axon bundles enclosed by single segments of myelin sheaths in the nerves of non-dystrophic C57BL-ob/+mice. Beuche W, et al. **Neuropathol Appl Neurobiol** 1984 Sep-Oct;10(5):369-77

Muscular dystrophy in foals. Ronéus B, et al. **Zentralbl Veterinarmed [A]** 1984 Jul;31(6):441-53

[Early morphological changes in the developments of the striated muscles of normal and dystrophic chickens. The quantitative histological and histochemical studies] Ishimoto S. **Fukuoka Igaku Zasshi** 1985 Jan;76(1):10-27 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Potassium and caffeine contractures in limb muscles of normal and dystrophic (C57 BL/6J dy2J/dy2J) mice. Noireaud J, et al. **Exp Neurol** 1985 Mar;87(3):495-502

Fatiguability and oxidative capacity of forelimb and hind limb muscles of dystrophic mice. Parry DJ, et al. **Exp Neurol** 1985 Feb;87(2):358-68

Reinnervation of normal and dystrophic skeletal muscle. Yeagle SP, et al. **Exp Neurol** 1984 Oct;86(1):1-17

Ontogenetic aspects of changes in muscular potentials at medial gastrocnemius muscles of dystrophic mice due to prolonged stimulation. Watanabe K, et al. **J Neurol Sci** 1984 Oct;66(1):59-66

Enhanced sensitivity to digoxin in dystrophic mice. Saito K, et al. **Jpn Heart J** 1984 Sep;25(5):765-72

Breeding and offspring rearing ability of C57BL/6J dystrophic mice. Younger LE, et al. **Lab Anim Sci** 1984 Oct;34(5):471-4

A cerebellar abnormality in the mouse with motor end-plate disease. Dick DJ, et al. **Neuropathol Appl Neurobiol** 1985 Mar-Apr;11(2):141-7

PREVENTION & CONTROL

Intraruminal selenium pellet for control of nutritional muscular dystrophy in cattle. Hidiroglou M, et al. **J Dairy Sci** 1985 Jan;68(1):57-66

SURGERY

Hypophysectomy mitigates skeletal muscle fiber damage in hamster dystrophy. Karpati G, et al. **Ann Neurol** 1985 Jan;17(1):60-4

MUSCULOCUTANEOUS NERVE

Isolated proximal musculocutaneous nerve palsy: case report. Kim SM, et al. **Arch Phys Med Rehabil** 1984 Nov;65(11):735-6

ANATOMY & HISTOLOGY

Anatomic variations in the motor and sensory supply of the thumb. Falconer D, et al. **Clin Orthop** 1985 May;(195):83-96

INJURIES

[Isolated post-traumatic damage of the musculocutaneous nerve] Träger D. **Unfallchirurg** 1985 Jan;88(1):20-1 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Cervical SEPs from musculo-cutaneous nerve stimulation. D'Alpa F. **Acta Neurol (Napoli)** 1984 Aug;6(4):253-8

[Sensory nerve conduction by the medial antebrachial cutaneous nerve] Kimura I. **Rinsho Shinkeigaku** 1985 Feb;25(2):179-84 (Eng. Abstr.) **(Jpn)**

MUSCULOSKELETAL SYSTEM

ABNORMALITIES

[Congenital defects of the motor system] Kubát R, et al. **Acta Chir Orthop Traumatol Cech** 1985 Jun;52(3):191-200 (Eng. Abstr.) **(Cze)**

ANATOMY & HISTOLOGY

Magnetic resonance imaging of the musculoskeletal system. Richardson ML, et al. **Orthop Clin North Am** 1985 Jul;16(3):569-87

[Normal anatomic structures of the body in the MR-tomogram: studies with a 0.35 superconducting magnet. 2. Abdomen, pelvis, musculoskeletal system] Reiser M, et al. **Rontgenpraxis** 1985 Jan;38(1):11-8 **(Ger)**

[Patterns of the structural organization of the fibrous stroma of various human organs] Omel'ianenko NP. **Arkh Anat Gistol Embriol** 1984 Aug;87(8):65-73 (Eng. Abstr.) **(Rus)**

INJURIES

Symposium on musculoskeletal problems. **Emerg Med Clin North Am** 1984 May;2(2):203-456

Musculoskeletal trauma. Burgess AR, et al. **Emerg Med Clin North Am** 1984 Nov;2(4):871-82

Common pediatric musculoskeletal emergencies. Nogi J. **Emerg Med Clin North Am** 1984 May;2(2):409-23 (11 ref.)

Emergency department evaluation of musculoskeletal injuries. Rosenthal RE. **Emerg Med Clin North Am** 1984 May;2(2):219-44 (17 ref.)

Principles and techniques of splinting musculocutaneous injuries. Shaw DC, et al. **Emerg Med Clin North Am** 1984 May;2(2):391-407 (5 ref.)

Principles of prehospital care of musculoskeletal injuries. Worsing RA Jr. **Emerg Med Clin North Am** 1984 May;2(2):205-17 (8 ref.)

A single-blind study of naproxen sodium and mefenamic acid in minor trauma. Macintyre IM, et al. **Scott Med J** 1984 Oct;29(4):234-7

[Types of orthopedic equipment and its utilization in patients with severe lesions of the musculoskeletal system] Sczygielska-Majewska M. **Pol Tyg Lek** 1984 Aug 6;39(32):1067-70 (Eng. Abstr.) **(Pol)**

[Organization of rehabilitation treatment of traumatologic patients] Balakina VS. **Ortop Travmatol Protez** 1984 Dec;(12):29-32 **(Rus)**

PHYSIOLOGY

The influence of muscle model complexity in musculoskeletal motion modeling. Audu ML, et al. **J Biomech Eng** 1985 May;107(2):147-57

PHYSIOPATHOLOGY

Arthritis and musculoskeletal pain. Wolfe F. **Nurs Clin North Am** 1984 Dec;19(4):565-74 (29 ref.)

RADIOGRAPHY

Musculoskeletal applications of three-dimensional surface reconstructions. Vannier MW, et al. **Orthop Clin North Am** 1985 Jul;16(3):543-55

MUSEUMS

Mobile's Heustis Medical Museum seeks artifacts. Eichold S. **Ala Med** 1985 Jan;54(7):29-30, 32

Dental Interpretation Center, Faculty of Dentistry, University of Alberta. Smith M. **Can Dent Assoc J** 1985 Jan;51(1):68-71

Crowning the roots of dentistry. The raison d'etre of dental museums. Sperber GH. **Can Dent Assoc J** 1985 Jan;51(1):66-7

[From the Rudolf Virchow collection of pathologic anatomic specimens at the Charité: 6 urinary bladder calculi from the year 1729] Krietsch P, et al. **Zentralbl Allg Pathol** 1985;130(2):143-7 (Eng. Abstr.) **(Ger)**

[Medical themes on display at the Hermitage] Murav'eva EF. **Sov Zdravookhr** 1984;(9):62-5 **(Rus)**

HISTORY

Haslar Museum. Parsons CT. **J R Nav Med Serv** 1985 Summer;71(2):117-20

['A word on the effect of the scientific museum on humane education' (G. A. Goldfuss 1821)] Querner H. **Sudhoffs Arch Beih** 1984;(24):86-93 **(Ger)**

[Museum of the History of the Lublin Medical Academy] Kowieski L. **Arch Hist Med (Warsz)** 1985;48(1):123-6 (Eng. Abstr.) **(Pol)**

[Museum pieces of the Pharmacy Department of the Lódź Medical Academy and their role in exhibits, didactics and research works] Pankiewicz H. **Arch Hist Med (Warsz)** 1985;48(1):31-40 (Eng. Abstr.) **(Pol)**

[The medical museum of the Ukraine] Grando AA, et al. **Sov Zdravookhr** 1984;(8):59-62 **(Rus)**

[The Bolshevik physicians S. I. Mitskevich and S. I. Chernomordik at the source of the Central Museum of the Revolution of the USSR (on the 60th anniversary of the museum)] Idel'chik KhI. **Sov Zdravookhr** 1984;(9):56-9 **(Rus)**

[Role of the Military Medical Museum in realizing the decisions of the Communist Party and the government on improving material living conditions for the participants in World War II] Varlamov VM, et al. **Voen Med Zh** 1985 Jun;(6):23-5 **(Rus)**

MUSHROOM POISONING

see related
MYCOTOXINS

[Mushroom poisoning. New diagnostic and therapeutic trends. Our experience] Ceravolo G, et al. **Clin Ter** 1985 Apr 15;113(1):3-11 (Eng. Abstr.) **(Ita)**

[Amanita phalloides poisoning] Pigrau C, et al. **Med Clin (Barc)** 1984 Sep 22;83(8):342-5 **(Spa)**

[Mushroom poisoning by amatoxin--current diagnosis and treatment] Hulting J, et al. **Lakartidningen** 1984 Sep 5;81(36):3133-6 **(Swe)**

DIAGNOSIS

[Differential diagnostic problems in Amanita pantherina poisoning] Klinger J, et al. **Z Arztl Fortbild (Jena)** 1984;78(19):825-6 **(Ger)**

[Clinical manifestations of Amanita phalloides poisoning] Brodov LE, et al. **Sov Med** 1984;(12):109-13 **(Rus)**

[Use of the emission spectrographic method in diagnosing fatal poisonings by the death cup] Fedorovtsevv AL, et al. **Sud Med Ekspert** 1985 Apr-Jun;28(2):50 **(Rus)**

[Amanita phalloides poisoning. Diagnosis by radioimmunoassay and treatment with forced diuresis] Sesé Torres J, et al. **Med Clin (Barc)** 1985 Apr 30;84(16):660-2 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Ethanol diminishes the toxicity of the mushroom Amanita phalloides. Floersheim GL, et al. **Experientia** 1984 Nov 15;40(11):1268-70

Treatment of mushroom poisoning [letter] **JAMA** 1985 Jun 14;253(22):3252

ETIOLOGY

Common toxic plant ingestions. Geehr E. **Emerg Med Clin North Am** 1984 Aug;2(3):553-62

METABOLISM

[Biochemical effects in mice and cytotoxicity in a cultured cell line of the extract of Amanita abrupta] Yamaura Y, et al. **Nippon Eiseigaku Zasshi** 1984 Dec;39(5):855-61 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

[Edible, poisonous and hallucinatory fungi of Costa Rica] Sáenz JA, et al. **Rev Biol Trop** 1983 Nov;31(2):201-7 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Acute renal failure after intoxication with Cortinarius mushrooms. Holmdahl J, et al. **Hum Toxicol** 1984 Aug;3(4):309-13

PHYSIOPATHOLOGY

Intravenous mushroom poisoning. Curry SC, et al. **Ann Emerg Med** 1985 Sep;14(9):900-2

Rocky Mountain high [letter] Spoerke DG, et al. **Ann Emerg Med** 1985 Aug;14(8):828-9

[Case of an eye lesion in mushroom poisoning] Gol'dovskaia IL, et al. **Vestn Oftalmol** 1985 Jan-Feb;101(1):65-6 **(Rus)**

THERAPY

Therapy of cytotoxic mushroom intoxication. Vesconi S, et al. **Crit Care Med** 1985 May;13(5):402-6

Treatment of mushroom poisoning [letter] **JAMA** 1984 Dec 14;252(22):3130-2

Orthotopic liver transplantation in a patient with Amanita poisoning. Woodle ES, et al. **JAMA** 1985 Jan 4;253(1):69-70

[Mushroom poisoning (Inocybe asterospora Quel.)--report of 3 cases] Lin HT. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jul;18(4):231-3 (Eng. Abstr.) **(Chi)**

[10 years' experience with intermittent peritoneal dialysis in children] Sagát T, et al. **Cesk Pediatr** 1985 Jan;40(1):3-7 (Eng. Abstr.) **(Slo)**

MUSHROOMS

Effect of age on Agaricus bisporus PHA-B stimulated insulin release and 45Ca2+ uptake in vitro by islets of Langerhans. Ahmad N, et al. **Acta Diabetol Lat** 1984 Oct-Dec;21(4):349-55

Neutral and acidic antitumor polysaccharides extracted from cultured fruit bodies of Grifola frondosa. Ohno N, et al. **Chem Pharm Bull (Tokyo)** 1985 Mar;33(3):1181-6

[Clinical and X-ray features of lung disease in 43 cases in mushroom workers] Hou J. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Feb;8(1):44-6, 62 (Eng. Abstr.) **(Chi)**

[Cadmium and copper concentrations in feces, urine and blood after ingestion of wild mushrooms] Schellmann B, et al. **Z Lebensm Unters Forsch** 1984 Jun;178(6):445-9 (Eng. Abstr.) **(Ger)**

[Edible, poisonous and hallucinatory fungi of Costa Rica] Sáenz JA, et al. **Rev Biol Trop** 1983 Nov;31(2):201-7 (Eng. Abstr.) **(Spa)**

ANALYSIS

Anticarcinogenic action of an alcohol-insoluble fraction (LAP1) from culture medium of Lentinus edodes mycelia. Sugano N, et al. **Cancer Lett** 1985 May;27(1):1-6

Improved analytical and preparative methods for necatorin from Lactarius necator (Fr.) Karst mushroom. Suortti T. **J Chromatogr** 1984 Sep 28;301(1):303-7

Qualitative and quantitative determinations of hallucinogenic components of psilocybe mushrooms by reversed-phase high-performance liquid chromatography. Vanhaelen-Fastré R, et al. **J Chromatogr** 1984 Nov 16;312:467-72

An aqueous-organic extraction method for the isolation and identification of psilocin from hallucinogenic mushrooms. Casale JF. **J Forensic Sci** 1985 Jan;30(1):247-50

A technique for the rapid isolation and identification of psilocin from psilocin/psilocybin-containing mushrooms. Lee RE. **J Forensic Sci** 1985 Jul;30(3):931-41

[Rapid determination of agaritin in commercial mushrooms (Agaricus bisporus) with high performance liquid chromatography] Fischer B, et al. **Z Lebensm Unters Forsch** 1984 Sep;179(3):218-23 (Eng. Abstr.) **(Ger)**

[Studies on platelet aggregation and cortinellus shiitake] Hayakawa M, et al. **Nippon Ronen Igakkai Zasshi** 1985 Mar;22(2):151-9 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Purification and properties of an endo-alpha-mannan hydrolase from the mushroom Volvariella volvacea. Khowala S, et al. **Arch Biochem Biophys** 1985 Sep;241(2):533-9

A unique enzyme catalyzing the formation of

4-hydroxyaniline from 4-amino-benzoic acid in Agaricus bisporus. Tsuji H, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):633-9

Regiospecific transfer of tritium into 3H2O from labeled estrogens by mushroom tyrosinase. Jellinck PH, et al. **J Steroid Biochem** 1984 Oct;21(4):361-5

MUSIC

Beneficial effect of nadolol on anxiety-induced disturbances of performance in musicians: a comparison with diazepam and placebo. James I, et al. **Am Heart J** 1984 Oct;108(4 Pt 2):1150-5

A multielement analysis of contingent versus contingent-interrupted music. Allen LD, et al. **Appl Res Ment Retard** 1985;6(1):87-97

In vivo EMG biofeedback in violin and viola pedagogy. LeVine WR, et al. **Biofeedback Self Regul** 1984 Jun; 9(2):161-8

Biofeedback, relaxation training, and music: homeostasis for coping with stress. Reynolds SB. **Biofeedback Self Regul** 1984 Jun;9(2):169-79

Behavioural and electrodermal measures of lateralization for music perception in musicians and nonmusicians. Schweiger A, et al. **Biol Psychol** 1985 Mar;20(2):129-45

Music draws attention to the left and speech draws attention to the right. Segalowitz SJ, et al. **Brain Cogn** 1985 Jan; 4(1):1-6

Musicogenic epilepsy. Brien SE, et al. **Can Med Assoc J** 1984 Nov 15;131(10):1255-8

Of wind and song. Clausen JL. **Chest** 1985 Aug;88(2):165-6

Pulmonary function in singers and wind-instrument players. Schorr-Lesnick B, et al. **Chest** 1985 Aug;88(2):201-5

Healing and the arts. Sharon J. **Child Today** 1985 May-Jun; 14(3):29-31

Asymmetries in musical aesthetic judgments. Shanon B. **Cortex** 1984 Dec;20(4):567-73

Nursery rhymes and early language acquisition by mentally handicapped children. Glenn SM, et al. **Except Child** 1984 Sep;51(1):72-4

Intraindividual parameters of the singer's formant. Schutte HK, et al. **Folia Phoniatr (Basel)** 1985;37(1):31-5

Resonance balance in register categories of the singing voice: a spectral analysis study. Schutte HK, et al. **Folia Phoniatr (Basel)** 1984;36(6):289-95

Efficiency of professional singing voices in terms of energy ratio. Schutte HK. **Folia Phoniatr (Basel)** 1984;36(6):267-72

The effect of the player's vocal tract on woodwind instrument tone. Backus J. **J Acoust Soc Am** 1985 Jul;78(1 Pt 1):17-20

Thresholds for discrimination between pure and tempered intervals: the relevance of nearly coinciding harmonics. Vos J, et al. **J Acoust Soc Am** 1985 Jan;77(1):176-87

The psychoanalytic treatment of the performing artist: superego aspects. Babikian HM. **J Am Acad Psychoanal** 1985 Jan;13(1):139-48

The musical productions of autistic children [letter] Barison F, et al. **J Autism Dev Disord** 1984 Dec;14(4):453-4

Tonal hierarchies in the music of north India. Castellano MA, et al. **J Exp Psychol [Gen]** 1984 Sep;113(3):394-412

Two issues concerning tonal hierarchies: comment on Castellano, Bharucha, and Krumhansl. Deutsch D. **J Exp Psychol [Gen]** 1984 Sep;113(3):413-6

Spared musical abilities in a conductor with global aphasia and ideomotor apraxia. Basso A, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):407-12

Acid rock: a critical reappraisal and psychological commentary. Baumeister RF. **J Psychoactive Drugs** 1984 Oct-Dec;16(4):339-45

Respiratory kinematics in classical (opera) singers. Watson PJ, et al. **J Speech Hear Res** 1985 Mar;28(1):104-22

The music clinic [editorial] **Lancet** 1985 Jun 8; 1(8441):1309-10

Music clinics [letter] Fischer-Williams M. **Lancet** 1985 Jul 20;2(8447):147-8

Stress and the musician [letter] Pullen I. **Lancet** 1985 Jul 6; 2(8445):53

The pain of pleasure [letter] McDaniel CG. **Med J Aust** 1985 Sep 16;143(6):249

An arts infusion intervention model for children with severe handicaps. Sherrill C, et al. **Ment Retard** 1984 Dec; 22(6):316-20

Salicylate-induced musical perceptions [letter] Allen JR. **N Engl J Med** 1985 Sep 5;313(10):642-3

The therapeutic value of singing [letter] Bolger EP, et al. **N Engl J Med** 1984 Dec 27;311(26):1704

Discrimination and recognition of tonal melodies after unilateral cerebral excisions. Zatorre RJ. **Neuropsychologia** 1985;23(1):31-41

Relationship between expressive language ability and rhythm perception, pitch perception, vocal range, and vocal midpoint among mentally retarded adults. Hoskins C. **Percept Mot Skills** 1985 Apr;60(2):644-6

Serial movement timing and musical experience. Williams LR. **Percept Mot Skills** 1985 Feb;60(1):31-6

[Does music alleviate endoscopy? A controlled study in 60 patients (letter)] Trinchet JC, et al. **Gastroenterol Clin Biol** 1985 Jan;9(1):86-7 **(Fre)**

[Amusia and cerebral dominance] **Rev Med Suisse Romande** 1984 Jul;104(7):535-41 **(Fre)**

[Hemispheric asymmetry in amusia] Peretz I. **Rev Neurol (Paris)** 1985;141(3):169-83 (Eng. Abstr.) **(Fre)**

[Musical talent and spatial ability] Hassler M, et al. **Arch Psychol (Frankf)** 1984;136(3):235-48 (Eng. Abstr.) **(Ger)**

[Functional voice disorder in singers and its sonographic analysis] Frank F. **Folia Phoniatr (Basel)** 1984;36(5):250-6 (Eng. Abstr.) **(Ger)**

[Acoustic discrimination in musical and non-musical persons] Kette G. **Z Exp Angew Psychol** 1985;32(1):90-103 (Eng. Abstr.) **(Ger)**

[Effect of discotheque music on the subjective comfort of exposed persons] Burger G, et al. **Z Gesamte Hyg** 1985 Feb;31(2):85-7 (Eng. Abstr.) **(Ger)**

[Our experiences with the evaluation of occupational diseases of the organ of voice] Sułkowski W, et al. **Otolaryngol Pol** 1985;39(2):153-9 (Eng. Abstr.) **(Pol)**

[Dynamic characteristics of brain biopotentials as affected by complex sound communication signals] Novitskaia LP. **Fiziol Cheloveka** 1984 May-Jun;10(3):469-71 **(Rus)**

[Case of occupational paralysis of the facial muscles in a trumpet player] Gratsinskaia LN, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):57-8 **(Rus)**

HISTORY

Mozart's illness & death. Davies PJ. **Bol Asoc Med PR** 1984 Aug;76(8):355-61

Maurice Ravel and Alzheimer's disease [letter] **JAMA** 1985 May 24-31;253(20):2961-2

Maurice Ravel and Alzheimer's disease. Dalessio DJ. **JAMA** 1984 Dec 28;252(24):3412-3

Beethoven: modern analytic views of the man and his music. Ciardiello JA. **Psychoanal Rev** 1985 Spring;72(1):129-47

Ludwig van Beethoven. Czeizel A. **Ther Hung** 1982; 30(1):43-7

[Beethoven's disease—Paget's disease? New sources, new interpretations] Bankl H. **Pathologe** 1985 Jan;6(1):46-50 **(Ger)**

[Need for re-interpreting various invalid medico-historical opinions] Gutt RW. **Arch Hist Med (Warsz)** 1985; 48(1):19-29 (Eng. Abstr.) **(Pol)**

[Aleksandr Porfir'evich Borodin (on the 150th anniversary of his birth)] Shul'tsev GP. **Klin Med (Mosk)** 1984 Jul; 62(7):144-7 **(Rus)**

MUSIC THERAPY

Music therapy: a community resource for children with special needs. Steele AL. **Child Welfare** 1984 Nov-Dec; 63(6):563-8

[Receptive individual music therapy in the concept of ambulatory psychotherapy] Kaufmann GV. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jun; 37(6):347-52 (Eng. Abstr.) **(Ger)**

EDUCATION

[Training of music therapists (the American experience)] Konieczny K. **Psychiatr Pol** 1984 May-Jun;18(3):263-5 **(Pol)**

MUSKRATS see CRICETIDAE

MUSLIMS see ISLAM

MUSSELS

ANALYSIS

Mercury distribution in a polluted marine area. Concentrations of methyl mercury in sediments and some marine organisms. Mikac N, et al. **Sci Total Environ** 1985 May;43(1-2):27-39

Multivariate data analysis of some xenobiotic trace metals in mussels from the gulf of Trieste. Favretto L, et al. **Z Lebensm Unters Forsch** 1984 Sep;179(3):201-4

[Demonstration of silver and lead contamination of oysters (Crassostrea gigas) and mussels (Mytilus edulis) in French coastal waters. Microanalytical study by secondary ion emission] Chassard-Bouchaud C, et al. **C R Acad Sci [III]** 1985;300(1):3-8 (Eng. Abstr.) **(Fre)**

[The ratio of calcium carbonate/organic matrix in the valves of Mytilus galloprovincialis as an indication of marine pollution] D'Agostino M, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30;60(6):1199-203 (Eng. Abstr.) **(Ita)**

[Radioactive and stable cobalt concentrations in mussel in Kyushu islands, Japan] Momoshima N, et al. **Radioisotopes** 1985 May;34(5):257-61 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Kinetics of succinic dehydrogenase inhibition by methyl parathion and its recovery by oximes and L-cysteine in hepatopancreas of Lamellidens marginalis. Sreenivasa Moorthy K, et al. **Arch Int Physiol Biochim** 1984 Oct; 92(3):147-51

Exclusive activation of aromatic amines in the marine mussel Mytilus edulis by FAD-containing monooxygenase. Kurelec B. **Biochem Biophys Res Commun** 1985 Mar 29; 127(3):773-8

[Pyruvate kinase in mussel foot (Mytilus edulis L.). Purification and general properties] Herranz-Santos MJ, et al. **Rev Esp Fisiol** 1985 Mar;41(1):55-60 (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

[Seasonally modified forms of the revised Janoschek function] Sager G. **Gegenbaurs Morphol Jahrb** 1984;130(5):659-69 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Lectin-binding to hemocytes of Mytilus edulis. Renwrantz L, et al. **Dev Comp Immunol** 1985 Spring;9(2):203-10

METABOLISM

Isolation and characterization of calmodulin from a molluscan smooth muscle. Mimura T, et al. **Comp Biochem Physiol [B]** 1985;81(3):559-63

Characterization of two molecular weight classes of cadmium binding proteins from the mussel, Mytilus edulis (L.). Frazier JM, et al. **Comp Biochem Physiol [C]** 1985; 80(2):257-62

Metabolism in the rat of cadmium biocomplexes from edible mussel exposed to 109CdCl2. Marafante E, et al. **Ecotoxicol Environ Safety** 1985 Apr;9(2):209-15

The use of the bivalve Mytilus edulis as a test organism for bioconcentration studies. I. Designing a continuous-flow system and its application to some organochlorine compounds. Renberg L, et al. **Ecotoxicol Environ Safety** 1985 Apr;9(2):171-8

Amino acid metabolism in euryhaline bivalves: regulation of glycine accumulation in ribbed mussel gills. Ellis LL, et al. **J Exp Zool** 1985 Mar;233(3):347-58

Nucleosomal organization of a part of chromatin in mollusc sperm nuclei with a mixed basic protein composition. Zalensky AO, et al. **Mol Biol Rep** 1984 Dec;10(2):69-74

Heavy metal uptake and intracellular binding in isolated gill preparations of Mytilus galloprovincialis L. Nolan C, et al. **Sci Total Environ** 1984 Dec;40:83-92

Distribution of paralytic toxins in California shellfish. Whitefleet-Smith JL, et al. **Toxicon** 1985;23(2):346-9

Principal component analysis as a tool for studying interdependences among trace metals in edible mussels from the Gulf of Trieste. Favretto L, et al. **Z Lebensm Unters Forsch** 1984 Nov;179(5):377-80

Heavy metals at trace level in edible mussels (Mytilus galloprovincialis Lamarck) from the gulf of Trieste. Favretto LG, et al. **Z Lebensm Unters Forsch** 1984 Sep; 179(3):197-200

MICROBIOLOGY

[Study of mussels in a production area] Schulze K. **DTW** 1985 May 7;92(5):168-70 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Effects of KCl-EGTA solution on the isolated Mytilus smooth muscle: a method for denervation. Matsuura M, et al. **Comp Biochem Physiol [C]** 1984;79(2):357-61

Effects of Ca-antagonists and antispasmodic drugs on contraction by ACh in molluscan smooth muscle. Murakami H, et al. **Comp Biochem Physiol [C]** 1985; 80(1):167-73

Dominance in physiological phenotypes and fitness at an enzyme locus. Hilbish TJ, et al. **Science** 1985 Jul 5; 229(4708):52-4

ULTRASTRUCTURE

The cytoskeleton of the apical border of the lateral cells of freshwater mussel gill: structural integration of microtubule and actin filament-based organelles. Reed W, et al. **J Cell Sci** 1984 Jun;68:1-33

MUSTARD COMPOUNDS

Formation of O6-ethylthioethyldeoxyguanosine from the reaction of chloroethyl ethyl sulfide with deoxyguanosine. Ludlum DB, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5698-701

ADVERSE EFFECTS

Sister chromatid exchanges in fishermen exposed to leaking mustard gas shells [letter] Wulf HC, et al. **Lancet** 1985 Mar 23;1(8430):690-1

[Late manifestations in former mustard gas workers with special reference to cutaneous findings] Klehr NW. **Z Hautkr** 1984 Sep 1;59(17):1161-4, 1167-70 (Eng. Abstr.) **(Ger)**

ANALYSIS

Comparative study of two different field tests for the detection of yperite in the atmosphere, applied on biological samples of gased soldiers. Heyndrickx A, et al. **Arch Belg** 1984;Suppl:61-8

Chromatographic procedures for the toxicological determination of bis (2-chloroethyl) sulfide (mustard gas, yperite) in environmental and human biological samples. Heyndrickx A, et al. **Arch Belg** 1984;Suppl:102-9

Detection of mustard gas in biological material. Machata G, et al. **Arch Belg** 1984;Suppl:53-5

POISONING

Lethal intoxication by wargases on Iranian soldiers. Therapeutic interventions on survivors of mustard gas and mycotoxin immersion. Pauser G, et al. **Arch Belg** 1984; Suppl:341-51

[Early cancer and related changes in the bronchial epithelium of former mustard gas workers] Tokuoka S. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):708-13 (Eng. Abstr.) **(Jpn)**

MUSTARD GAS see under **MUSTARD COMPOUNDS**

MUSTINE see **MECHLORETHAMINE**

MUTAGEN SCREENING see **MUTAGENICITY TESTS**

MUTAGENICITY TESTS

Aristolochic acid is mutagenic and recombinogenic in Drosophila genotoxicity tests. Frei H, et al. **Arch Toxicol** 1985 Jan;56(3):158-66

Sister chromatid exchange studies in the chick embryo and neonate: actions of mutagens in a developing system. Bloom SE. **Basic Life Sci** 1984;29 Pt B:509-33

Monitoring patients on long-term drug therapy for genotoxic effects. Erskine IA, et al. **Basic Life Sci** 1984;29 Pt B:895-905

The relevance of sister chromatid exchange studies to public health: prevention and intervention. Introduction to a general discussion on the interpretation of sister chromatid exchange data. Tsongas TA. **Basic Life Sci** 1984;29 Pt B:987-90

The SCE test as a tool for cytogenetic monitoring of human exposure to occupational and environmental mutagens. Watanabe T, et al. **Basic Life Sci** 1984;29 Pt B:939-55

Sister chromatid exchange analysis in cultured peripheral blood leukocytes of the coldwater marine fish, Pacific staghorn sculpin (Leptocottus armatus): a feasible system for assessing genotoxic marine pollutants. Zakour HR, et al. **Basic Life Sci** 1984;29 Pt B:493-508

Structure-mutagenicity relationships of 5-nitro-2-furylethylenes in Salmonella typhimurium TA98. Sturdík E, et al. **Chem Biol Interact** 1985 Feb-Apr; 53(1-2):145-53

Genotoxicity of glycol ethers. McGregor DB. **Environ Health Perspect** 1984 Aug;57:97-103

Reproducibility of microbial mutagenicity assays: I. Tests with Salmonella typhimurium and Escherichia coli using a standardized protocol. Dunkel VC, et al. **Environ Mutagen** 1984;6 Suppl 2:1-251

Dead cells don't form mutant colonies: a serious source of bias in mutation assays. Thilly WG. **Environ Mutagen** 1985; 7(2):255-8

Effects of carbamazepine on human chromosomes. Schaumann B, et al. **Epilepsia** 1985 Jul-Aug;26(4):346-52

Ames mutagenicity tests of overheated brewed coffee. Blair CA, et al. **Food Chem Toxicol** 1984 Dec;22(12):971-5

The role of mutagenicity testing in the ecotoxicological evaluation of industrial discharges into the aquatic environment. de Raat WK, et al. **Food Chem Toxicol** 1985 Jan;23(1):33-41

Genotoxicity of N-nitrosothiazolidine in microbial and hepatocellular test systems. Loury DJ, et al. **Food Chem Toxicol** 1984 Dec;22(12):1013-4

Lack of genotoxicity of the cancer chemopreventive agent N-(4-hydroxyphenyl)retinamide. Paulson JD, et al. **Fundam Appl Toxicol** 1985 Feb;5(1):144-50

Mutagenicity of human urine caused by ingestion of fried ground beef. Hayatsu H, et al. **Gann** 1985 Jun;76(6):445-8

Mutagenic potency of heterocyclic amines in the Drosophila wing spot test and its correlation to carcinogenic potency. Yoo MA, et al. **Gann** 1985 Jun;76(6):468-73

The Allium test as a standard in environmental monitoring. Fiskesjö G. **Hereditas** 1985;102(1):99-112

Species specificity affects the choice of S9 preparations for use in the hamster embryo cell transformation system. Poiley JA, et al. **In Vitro** 1984 Aug;20(8):602-6

Use of the micronucleus test to monitor the effect of vitamin A, beta-carotene and canthaxanthin on the buccal mucosa of betel nut/tobacco chewers. Stich HF, et al. **Int J Cancer** 1984 Dec 15;34(6):745-50

A cautionary note on the use of BUdR when determining micronucleus frequencies. Boyes BG, et al. **Int J Radiat Biol** 1985 Mar;47(3):341-2

Stability of Aroclor 1254-induced rat liver postmitochondrial supernatant (S-9) following long-term storage (-75 degrees C). Oldham JW, et al. **J Appl Toxicol** 1985 Jun;5(3):187-91

The human lymphocyte micronucleus assay. Response of cord blood lymphocytes to gamma-irradiation and bleomycin. Aghamohammadi SZ, et al. **Mutat Res** 1984 Dec;130(6):395-401

Somatic gene mutations in vivo as indicated by the 6-thioguanine-resistant T-lymphocytes in human blood. Albertini RJ. **Mutat Res** 1985 Jun-Jul;150(1-2):411-22

Use of a human X mouse hybrid cell line to detect aneuploidy induced by environmental chemicals. Athwal RS, et al. **Mutat Res** 1985 Mar;149(1):73-81

Developmental status of bioassays in genetic toxicology. A report of Phase II of the U.S. Environmental Protection Agency Gene-Tox Program. Brusick D, et al. **Mutat Res** 1985 Jan-Mar;153(1-2):1-10

A quantitative comparison of a percentile rule with a 2-fold rule for assessing mutagenicity in the Ames assay. Carnes BA, et al. **Mutat Res** 1985 Feb-Apr;147(1-2):15-21

Induction of gene mutations in mice: the multiple endpoint approach. Ehling UH, et al. **Mutat Res** 1985 Jun-Jul; 150(1-2):393-401

Genetic duplications in bacteria and their relevance for genetic toxicology. Hoffman GR. **Mutat Res** 1985 Jun-Jul; 150(1-2):107-17

Variance estimation in single-cell mutation assays: comparison to experimental observations in human lymphoblasts at 4 gene loci. Leong PM, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):403-10

Quantitative comparative mutagenesis in bacteria, mammalian cells, and animal-mediated assays. A convenient way of estimating genotoxic activity in vivo? Mohn GR, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):159-75

Effects of pH on weak and positive control mutagens in the Ames Salmonella plate assay. Popkin DJ, et al. **Mutat Res** 1985 Mar;142(3):109-13

Artificial intelligence and Bayesian decision theory in the prediction of chemical carcinogens. Rosenkranz HS, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):1-11

Mutagenicity of polycyclic aromatic hydrocarbons and quinones on Salmonella typhimurium TA97. Sakai M, et al. **Mutat Res** 1985 Apr-May;156(1-2):61-7

Human lymphocytes assay: cyclophosphamide metabolic activation by S9 system with low cytotoxicity. Sbrana I, et al. **Mutat Res** 1984 Dec;130(6):411-6

A comprehensive exercise in comparative mutagenesis with exciting outcome or how good are mutation assays in predicting carcinogens? Sobels FH. **Mutat Res** 1985 Feb-Apr;147(1-2):1-4

Towards a more comprehensive evaluation of a genotoxic hazard in man. Stich HF, et al. **Mutat Res** 1985 Jun-Jul; 150(1-2):43-50

The molecular nature of mutations in cultured mammalian cells: a review. Thacker J. **Mutat Res** 1985 Jun-Jul; 150(1-2):431-42 (95 ref.)

A nonparametric approach to the statistical analysis of mutagenicity data. Wahrendorf J, et al. **Mutat Res** 1985 Feb-Apr;147(1-2):5-13

Differential mutagenic activity of IQ (2-amino-3-methylimidazo[4,5-f]quinoline) in Salmonella typhimurium strains in vitro and in vivo, in Drosophila, and in mice. Wild D, et al. **Mutat Res** 1985 Apr-May; 156(1-2):93-102

Stimulatory effect of potassium ions on MNU- and MNNG-induced mutagenesis in Salmonella typhimurium TA1535 and TA100. Balansky RM, et al. **Neoplasma** 1985; 32(3):313-21

Reducing the incidence of congenital malformations through mutagenesis risk assessment: considerations for future research. Bishop JB. **Prog Clin Biol Res** 1985;163C:409-13

Mutagenicity in drug development: interpretation and significance of test results. Clive D. **Regul Toxicol Pharmacol** 1985 Mar;5(1):79-100

Use of the Ames test in toxicology. Kier LD. **Regul Toxicol Pharmacol** 1985 Mar;5(1):59-64

Lack of mutagenicity of fasciolicides. Yoshimura H, et al. **Vet Res Commun** 1985 Apr;9(2):147-52

[Several probability distributions applied to the dominant lethal mutation test] Liu YY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 May; 18(3):151-4 (Eng. Abstr.) **(Chi)**

[Determination of heritable reciprocal translocation] Wang JN. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug;6(4):311-2 **(Chi)**

[Chemical carcinogenesis and cytogenetic screening] Srb V, et al. **Cas Lek Cesk** 1984 Oct 12;123(40-41):1240-5 (Eng. Abstr.) **(Cze)**

[Biotests--current status and development: mutagenicity testing systems] Lehmann M. **Schriftenr Ver Wasser Boden Lufthyg** 1984;57:119-26 **(Ger)**

[Prospects for the use of short-term tests in primary cancer prevention] Khudoleĭ VV, et al. **Vopr Onkol** 1984; 30(8):3-12 (47 ref.) **(Rus)**

[Predictive value of short-term assays of chemical carcinogenesis] Laborda E, et al. **Rev Esp Oncol** 1982; 29(3):547-55 (Eng. Abstr.) **(Spa)**

[Use of Drosophila in the detection of potentially carcinogenic agents] Marcos R, et al. **Rev Esp Oncol** 1982; 29(3):557-61 (Eng. Abstr.) **(Spa)**

[Effect of organic solvents on microbial and non-microbial systems for mutagen detection] Santini P, et al. **Rev Latinoam Microbiol** 1984 Jan-Mar;26(1):69-76 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Mutascreen, an automated bacterial mutagenicity assay. Falck K, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):119-25

METHODS

The DNA repair host-mediated assay as a rapid and sensitive in vivo procedure for the determination of genotoxic factors present in various organs of mice. Some preliminary results with mitomycin C. Mohn GR. **Arch Toxicol** 1984 Oct;55(4):268-71

The induction of sister chromatid exchanges by environmental pollutants: relationship of SCE to other measures of genetic damage. Brooks AL, et al. **Basic Life Sci** 1984;29 Pt A:385-96

Detection of SCE in rodent cells using the activated charcoal bromodeoxyuridine system. Morales-Ramirez P, et al. **Basic Life Sci** 1984;29 Pt B:599-611

Erythrocyte-mediated metabolic activation detected by SCE. Norppa H, et al. **Basic Life Sci** 1984;29 Pt B:547-59

Statistical design, analysis, and inference issues in studies using sister chromatid exchange. Whorton EB Jr, et al. **Basic Life Sci** 1984;29 Pt A:431-40

In vitro metabolic activation in genotoxicity assays with mammalian cell cultures. Belvedere G. **Boll Chim Farm** 1985 Feb;124(2):57-68

The monitoring of environmental mutagens/carcinogens. A perspective on tests predicting chemical mutagens/carcinogens in man. Anderson D. **Ecol Dis** 1982; 1(1):59-73 (186 ref.)

Screening program theory: decision functions and protocols. Denniston C. **Environ Mutagen** 1985;7(1):53-72

Development of a standard protocol for in vitro cytogenetic testing with Chinese hamster ovary cells: comparison of results for 22 compounds in two laboratories. Galloway SM, et al. **Environ Mutagen** 1985;7(1):1-51

Solvent interactions with test compounds and recommendations for testing to avoid artifacts. Nestmann ER, et al. **Environ Mutagen** 1985;7(2):163-70

Calibration of the maize yg2 assay using gamma radiation and ethylmethanesulfonate. Plewa MJ, et al. **Environ Mutagen** 1984;6(6):781-95

Chemical mutagenesis testing in Drosophila. II. Results of 20 coded compounds tested for the National Toxicology Program. Zimmering S, et al. **Environ Mutagen** 1985; 7(1):87-100

Chromosome-aberration tests. Abbondandolo A. **Food Addit Contam** 1984 Apr-Jun;1(2):165-72

DNA damage and repair tests for the detection of genotoxic agents. Williams GM. **Food Addit Contam** 1984 Apr-Jun; 1(2):173-8

Suitability of the P388F mouse lymphoma system for detecting potential carcinogens and mutagens. Anderson D, et al. **Food Chem Toxicol** 1985 Jan;23(1):115-8

In vivo sister chromatid exchanges in amphibia--a convenient model for mutagenicity bioassay. Chakrabarti S, et al. **Indian J Exp Biol** 1984 Jul;22(7):347-9

Alkaline elution of DNA as a method for assessing genotoxic effects of drugs: its application to a series of antiviral compounds. Coronnello M, et al. **Methods Find Exp Clin Pharmacol** 1985 Jan;7(1):29-34

Is there a continuing role for the intraperitoneal injection route of exposure in short-term rodent genotoxicity assays? Ashby J. **Mutat Res** 1985 Jun;156(3):239-43

Tabulation and assessment of 113 human surveillance cytogenetic studies conducted between 1965 and 1984. Ashby J, et al. **Mutat Res** 1985 Sep;154(2):111-33

A new strain of Salmonella typhimurium reverted by mitomycin C and N-methyl-N'-nitro-N-nitrosoguanidine--a possible universal tester for mutagenic compounds. Balbinder E, et al. **Mutat Res** 1984 Oct;130(5):315-20

Cluster analysis of short-term tests: a new methodological approach. Benigni R, et al. **Mutat Res** 1985 Aug; 147(4):139-51

The carcinogenicity prediction and battery selection (CPBS) method: a Bayesian approach. Chankong V, et al. **Mutat Res** 1985 May;153(3):135-66

Cytostatic drug activity in plasma, a bioassay for detecting mutagenicity of directly and indirectly acting chemicals, an evaluation of 20 chemicals. Darroudi F, et al. **Mutat Res** 1985 Aug;143(4):263-9

Environmental mutagenesis and carcinogenesis: test method development, validation and utilization. de Serres FJ, et al. **Mutat Res** 1984 Oct;130(5):353-9

A method for analysing sister-chromatid exchange in mouse preimplantation embryos. Elbling L, et al. **Mutat Res** 1985 Feb-Apr;147(1-2):23-8

Measurement of micronuclei in lymphocytes. Fenech M, et al. **Mutat Res** 1985 Feb-Apr;147(1-2):29-36

Host-mediated mutagenicity experiments with benzo[a]pyrene and two of its metabolites. Glatt H, et al. **Mutat Res** 1985 Jun;156(3):163-9

The role of feeding rejection in Drosophila mutation assays. Gollapudi BB, et al. **Mutat Res** 1985 Sep;144(1):13-7

Current status of bioassays in genetic toxicology--the dominant lethal assay. A report of the U.S. Environmental Protection Agency Gene-Tox Program. Green S, et al. **Mutat Res** 1985 Jul;154(1):49-67 (155 ref.)

Rapid detection of DNA-damaging agents using repair-deficient CHO cells. Hoy CA, et al. **Mutat Res** 1984 Oct;130(5):321-32

A method to quantify spontaneous and in vivo induced thioguanine-resistant mouse lymphocytes. Jones IM, et al. **Mutat Res** 1985 Jun;147(3):97-105

Plant tissue culture as a model system for mutagenicity testing of chemicals. Kallak HI, et al. **Mutat Res** 1985 Feb-Apr; 147(1-2):51-7

Evaluation of the DNA-repair host-mediated assay. I. Induction of repairable DNA damage in E. coli cells recovered from liver, spleen, lungs, kidneys, and the blood stream of mice treated with methylating carcinogens. Kerklaan PR, et al. **Mutat Res** 1985 Jan-Feb;148(1-2):1-12

Simultaneous measurement of toxicity and mutagenic activity. Lojo MM, et al. **Mutat Res** 1985 Aug;143(4):201-5

Critical sample sizes for determining the statistical significance of mutation frequencies. Mann RC, et al. **Mutat Res** 1985 May-Jun;143(1-2):93-100

Assembly and preliminary analysis of a genotoxicity data base for predicting carcinogens. Palajda M, et al. **Mutat Res** 1985 May;153(3):79–134

Application of the carcinogenicity prediction and battery selection (CPBS) method to the Gene–Tox data base. Pet–Edwards J, et al. **Mutat Res** 1985 May;153(3):187–200

Cluster analysis in predicting the carcinogenicity of chemicals using short–term assays. Pet–Edwards J, et al. **Mutat Res** 1985 May;153(3):167–85

The SOS Chromotest, a colorimetric bacterial assay for genotoxins: procedures. Quillardet P, et al. **Mutat Res** 1985 Jun;147(3):65–78

Tests for heritable genetic damage and for evidence of gonadal exposure in mammals. Russell LB, et al. **Mutat Res** 1985 Sep;154(2):69–84 (99 ref.)

The use of sister–chromatid exchange in Chinese hamster primary lung cell cultures to measure genotoxicity. Shimizu RW, et al. **Mutat Res** 1984 Oct;130(5):333–42

Symposium on 'Dose–response relationship for genetic effects of environmental chemicals with special regard to the problem of thresholds'. Report of a conference held in Tokyo, 7–9 May 1984. Sobels FH. **Mutat Res** 1984 Dec;130(6):425–8

Effect of storage at 4 degrees on prepared Salmonella/microsome test plates. Stanton CA, et al. **Mutat Res** 1984 Sep;141(1):7–9

Induced reversion of a Chinese hamster ovary triple auxotroph. Validation of the system with several mutagens. Taylor RT, et al. **Mutat Res** 1985 Sep;151(2):293–308

Characterization of an unscheduled DNA synthesis assay with Syrian hamster embryo cells. Tsutsui T, et al. **Mutat Res** 1984 Oct;129(1):111–7

Detection of sister–chromatid exchanges in human peripheral lymphocytes induced by ethylene dibromide vapor. Tucker JD, et al. **Mutat Res** 1984 Oct;138(1):93–8

Comparison of DNA–repair synthesis, chromosome aberrations and induction of micronuclei in cultured human fibroblasts, Chinese hamster ovary and central mudminnow (Umbra limi) cells exposed to chemical mutagens. Walton DG, et al. **Mutat Res** 1984 Oct;129(1):129–36

A testing strategy to evaluate the mutagenic activity of industrial chemicals in cultured mammalian cells. Li AP. **Regul Toxicol Pharmacol** 1985 Jun;5(2):207–11

Strategies and applications of in vitro mutagenesis. Botstein D, et al. **Science** 1985 Sep 20;229(4719):1193–201 (102 ref.)

Implications of multiple mechanisms of carcinogenesis for short–term testing. Harper BL, et al. **Teratogenesis Carcinog Mutagen** 1984;4(6):483–503

Determination of mutagenic activities in different fractions of automobile exhaust condensate by the Salmonella/oxygenase mutagenicity test system. Norpoth K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 May;180(5–6):540–7

[A method for the detection of sister chromatid exchange using chick embryo cells in vivo] Chu GX, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Sep;18(5):279–81 (Eng. Abstr.) **(Chi)**

[Problems concerning the mouse micronucleus test] Li SQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Jan;19(1):24–7 (Eng. Abstr.) **(Chi)**

[Rec–assay method by Bacillus subtilis] Wang YZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Sep;18(5):285–7 (Eng. Abstr.) **(Chi)**

[Carcinogen screening in mammalian cells in vitro. The clastogenicity and the SCE test] Thust R. **Zentralbl Allg Pathol** 1984;129(4):365–70 (13 ref.) (Eng. Abstr.) **(Ger)**

[Cytogenetic effects of gaseous and volatile chemicals on mammalian cells in vitro and in vivo. II. Micronucleus tests in mice] Sofuni T, et al. **Eisei Shikenjo Hokoku** 1984;(102):84–90 (Eng. Abstr.) **(Jpn)**

[Cytogenetic effects of gaseous and volatile chemicals on mammalian cells in vitro and in vivo. I. Chromosome aberration tests in cultured mammalian cells] Sofuni T, et al. **Eisei Shikenjo Hokoku** 1984;(102):77–83 (Eng. Abstr.) **(Jpn)**

[A carcinogens––methods for detecting environmental muta/carcinogens] Morimoto K, et al. **Gan To Kagaku Ryoho** 1985 Apr;12(4):789–97 (23 ref.) (Eng. Abstr.) **(Jpn)**

[Mutagenesis of amino and/or methyl analogs of acridine in Salmonella and yeast: a comparison between the spot–test and the pre–incubation methods] Goto C, et al. **Sangyo Ika Daigaku Zasshi** 1984 Sep 1;6(3):257–63 (Eng. Abstr.) **(Jpn)**

[Use of the micronucleus test as a rapid method of detecting the potential carcinogenicity of asbestos–containing and other mineral fibers] Vanchugova NN, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):45–8 **(Rus)**

STANDARDS

Mutagenicity tests and the prediction of carcinogenic activity [editorial] Wagner BM. **Hum Pathol** 1985 Sep;16(9):863

The Salmonella/mammalian microsome mutagenicity test: comparison of human and rat livers as activating systems. Beaune P, et al. **Mutat Res** 1985 Jun;156(3):139–46

The SOS Chromotest, a colorimetric bacterial assay for genotoxins: validation study with 83 compounds. Quillardet P, et al. **Mutat Res** 1985 Jun;147(3):79–95

Personal comments on 'Environmental Protection Agency' proposed guidelines for mutagenicity risk assessment. Sobels FH. **Mutat Res** 1985 Aug;147(4):211–6

MUTAGENS

Mutagenic activity of radiosensitizers. Grzybowska E, et al. **Acta Microbiol Pol** 1985;34(2):111–20

Comparative genotoxicity and nephrotoxicity studies of the two halogenated flame retardants tris(1,3–dichloro–2–propyl)phosphate and tris(2,3–dibromopropyl)phosphate. Søderlund EJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):20–9

Study of the mutagenic effect of Redentin on various species of animals. Selypes A, et al. **Acta Vet Hung** 1984;32(3–4):213–7

Factors which facilitate inactivation of quercetin mutagenicity. Friedman M, et al. **Adv Exp Med Biol** 1984;177:527–44

The influence of 1–(N–L–tryptophan)–1–deoxy–D–fructose [Fru–Trp] and its N–nitrosated analogue [NO–Fru–Trp] on the viability and intracellular synthetic activity (DNA, RNA, and protein synthesis) of HeLa S3–carcinoma cells. Gruenwedel DW, et al. **Adv Exp Med Biol** 1984;177:269–85

Genetic and carcinogenic effects of plant flavonoids: an overview. MacGregor JT. **Adv Exp Med Biol** 1984;177:497–526 (90 ref.)

Occupational exposure to cancer chemotherapeutic drugs: a literature review. Vaughn MC, et al. **Am Ind Hyg Assoc J** 1985 Jun;46(6):B8–18

Quantitation of chemically induced DNA strand breaks in human cells via an alkaline unwinding assay. Daniel FB, et al. **Anal Biochem** 1985 Feb 1;144(2):390–402

Mutagenicity of inhaled anesthetics in Drosophila melanogaster. Kundomal YR, et al. **Anesthesiology** 1985 Mar;62(3):305–9

Mutagenicity of selected functionalized benz(c)acridines and a benz(a)phenazine in the Salmonella typhimurium/microsome assay. Walker BA, et al. **Anticancer Res** 1984 Nov–Dec;4(6):399–402

Mutagenic effect of 3–methyl–4–nitro–phenol on the germ–cells of the mouse––a study in vivo. Nehéz M, et al. **Arch Geschwulstforsch** 1985;55(2):107–10

Metabolism and mutagenicity of aromatic amines by human fetal liver. Aune T, et al. **Arch Toxicol** 1985 Jun;57(2):136–8

Cytogenetic and genetic effects of subchronic treatments with organophosphorus insecticides. Degraeve N, et al. **Arch Toxicol** 1984 Nov;56(1):66–7

Aristolochic acid is mutagenic and recombinogenic in Drosophila genotoxicity tests. Frei H, et al. **Arch Toxicol** 1985 Jan;56(3):158–66

In vitro mutagenicity of valepotriates. von der Hude W, et al. **Arch Toxicol** 1985 Feb;56(4):267–71

Special toxicology––physical dependence potential, antigenicity and mutagenicity––of mabuterol. Amemiya K, et al. **Arzneimittelforsch** 1984;34(11A):1685–6

Mutagenicity studies on denzimol, a new anticonvulsant drug. Veronese M, et al. **Arzneimittelforschung** 1985;35(5):793–6

Synthesis and degradation of aflatoxins by Aspergillus parasiticus. II. Comparative toxicity and mutagenicity of aflatoxin B1 and its autolytic breakdown products. Huynh VL, et al. **Aust J Biol Sci** 1984;37(3):123–9

The control of mutagenesis and cell differentiation in cultured human and rodent cells by chemicals that initiate or promote tumor formation. Huberman E, et al. **Basic Life Sci** 1985;33:77–100

Low–level exposures to chemical carcinogens: mutational end points. Lee WR. **Basic Life Sci** 1985;33:319–28

DNA clastogenic activity of diethylstilbestrol. Birnboim HC. **Biochem Pharmacol** 1985 Sep 15;34(18):3251–7

Molecular mechanisms of chemical mutagenesis: 9–aminoacridine inhibits DNA replication in vitro by destabilizing the DNA growing point and interacting with the DNA polymerase. Topal MD. **Biochemistry** 1984 May 22;23(11):2367–72

Mutagenicity of endodontic sealers. Orstavik D, et al. **Biomaterials** 1985 Mar;6(2):129–32

Mutagenicity studies of a carcinogenic nitrofuran and some analogues. Jung R, et al. **Biomed Biochim Acta** 1985;44(3):485–92

Genotoxic activity of particulate material in petroleum refinery effluents. Metcalfe CD, et al. **Bull Environ Contam Toxicol** 1985 Aug;35(2):240–8

Studies on comparative decomposition rate by rat liver homogenate and on micronucleus test of nitrated polycyclic aromatic hydrocarbons. Ohe T. **Bull Environ Contam Toxicol** 1985 May;34(5):715–21

Mutagenicity of the sunlight–exposed sample of pyrene in Salmonella typhimurium TA98. Takeda N, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):410–7

Mutagenic action of styrene and its metabolites. 1. Chromosome aberration in persons exposed to the action of styrene. Introductory investigations. Dolmierski R, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(1–2):89–93

Mutagenicity and tumor initiating activity of methylated benzo[k] fluoranthenes. Amin S, et al. **Cancer Lett** 1985 Apr;26(3):343–7

Mutagenicity of flour from the palmyrah palm (Borassus flabellifer) in Salmonella typhimurium and Escherichia coli. Andersen PH, et al. **Cancer Lett** 1985 Feb;26(1):113–9

Formation of mutagens in cooked foods. VI. Modulation of mutagen formation by iron and ethylenediaminetetracetic acid (EDTA) in fried beef. Barnes WS, et al. **Cancer Lett** 1984 Sep;24(2):221–6

Effect of hypolipidemic peroxisome proliferators on unscheduled DNA synthesis in cultured hepatocytes and on mutagenesis in Salmonella. Glauert HP, et al. **Cancer Lett** 1984 Sep;24(2):147–56

Induction of DNA damage and repair synthesis in freshly isolated rat hepatocytes by the proallatocidin precocene II. Hsia MT, et al. **Cancer Lett** 1985 Apr;26(3):311–8

Methylene–bridged bay region chrysene and phenanthrene derivatives and their keto–analogs: mutagenicity in Salmonella typhimurium and tumor–initiating activity on mouse skin. Rice JE, et al. **Cancer Lett** 1985 Jun;27(2):199–206

Effects of mutagens on the immunogenicity of murine tumor cells: immunological and biochemical evidence for altered cell surface antigens. Altevogt P, et al. **Cancer Res** 1985 Sep;45(9):4270–7

Mutation at separate gene loci in Salmonella typhimurium TA100 related to DNA nucleotide modification by stereoisomeric benzo(a)pyrene 7,8–diol–9,10–epoxides. Burgess JA, et al. **Cancer Res** 1985 Sep;45(9):4257–62

Carcinogenicity in rats of the nitrosated bile acid conjugates N–nitrosoglycocholic acid and N–nitrosotaurocholic acid. Busby WF Jr, et al. **Cancer Res** 1985 Mar;45(3):1367–71

Glutathione dependence of neocarzinostatin cytotoxicity and mutagenicity in Chinese hamster V–79 cells. DeGraff WG, et al. **Cancer Res** 1985 Oct;45(10):4760–2

Arene imines, a new class of exceptionally potent mutagens in bacterial and mammalian cells. Glatt H, et al. **Cancer Res** 1985 Jun;45(6):2600–7

Genotoxicity of a variety of pyrrolizidine alkaloids in the hepatocyte primary culture–DNA repair test using rat, mouse, and hamster hepatocytes. Mori H, et al. **Cancer Res** 1985 Jul;45(7):3125–9

Correlation of asbestos–induced cytogenetic effects with cell transformation of Syrian hamster embryo cells in culture. Oshimura M, et al. **Cancer Res** 1984 Nov;44(11):5017–22

Mutagenic and chemotherapeutic activity in L1210 leukemia of several monofunctional alkylating agents. Schmid FA, et al. **Cancer Res** 1985 Jan;45(1):40–4

Comutagenic effects of 3–aminobenzamide in Chinese hamster ovary cells. Schwartz JL, et al. **Cancer Res** 1985 Apr;45(4):1556–9

Species–specific differences in the toxicity and mutagenicity of the anticancer drugs mithramycin, chromomycin A3, and olivomycin. Singh B, et al. **Cancer Res** 1985 Jun;45(6):2813–20

Inhibition of the mutagenicity of aromatic amines by the plant flavonoid (+)–catechin. Steele CM, et al. **Cancer Res** 1985 Aug;45(8):3573–7

Structure–activity relationship of anthracycline–induced genotoxicity in vitro. Westendorf J, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5599–604

Mutagenic and chemotherapeutic activity in L1210 leukemia of several monofunctional alkylating agents [letter] Wheeler GP, et al. **Cancer Res** 1985 Jul;45(7):3400–2

Sister chromatid exchanges induced by cancer chemotherapeutic agents in vitro and in vivo: consideration of the hazard of drugs as possible mutagens and carcinogens causing second malignancies. Abe T, et al. **Cancer Treat Rep** 1985 May;69(5):505–14

Mutagenicity and tumor initiating activity of methylated benzo[b]fluoranthenes. Amin S, et al. **Carcinogenesis** 1985 Jul;6(7):1023–5

Genotoxicity of the food mutagen 2–amino–3–methylimidazo–[4,5–f]quinoline (IQ) and analogs. Barnes WS, et al. **Carcinogenesis** 1985 Mar;6(3):441–4

Lack of genotoxic activity of di(2–ethylhexyl)phthalate (DEHP) in rat and human hepatocytes. Butterworth BE, et al. **Carcinogenesis** 1984 Oct;5(10):1329–35

A mutagenic metabolite produced by Fusarium moniliforme isolated from Linxian county, China. Cheng SJ, et al. **Carcinogenesis** 1985 Jun;6(6):903–5

Nitroreductase–dependent mutagenicity of p–nitrophenylhydroxylamine and its N–acetyl and N–formyl hydroxamic acids. Corbett MD, et al. **Carcinogenesis** 1985 May;6(5):727–32

Acetyl coenzyme A–dependent binding of carcinogenic and mutagenic dinitropyrenes to DNA. Djuric Z, et al. **Carcinogenesis** 1985 Jun;6(6):941–4

Indirect induction of a clastogenic effect in epidermal cells by a tumor promoter. Dutton DR, et al. **Carcinogenesis** 1985 Sep;6(9):1279–84

The genotoxicity of 2–bromoacrolein and 2,3–dibromopropanal. Gordon WP, et al. **Carcinogenesis** 1985 May;6(5):705–9

Comparative genotoxicity of nitrogen mustard and nor–nitrogen mustard. Hartley–Asp B, et al. **Carcinogenesis** 1984 Dec;5(12):1637–40

Immunological titration of 3–N–acetyl–hydroxyamino–4,6–dimethyldipyrido(1,2–a:3', imidazole–rat liver DNA adducts. Hebert E, et al. **Carcinogenesis** 1985 Jun;6(6):937–9

Species differences in the cytotoxic and genotoxic effects of 2–acetylaminofluorene and its primary metabolites 2–aminofluorene and N–OH–2–acetylaminofluorene. Holme JA, et al. **Carcinogenesis** 1985 Mar;6(3):421–5

Inhibition of the mutagenicity of bay–region diol–epoxides of polycyclic aromatic hydrocarbons by tannic acid, hydroxylated anthraquinones and hydroxylated cinnamic acid derivatives. Huang MT, et al. **Carcinogenesis** 1985 Feb;6(2):237–42

The cytotoxic and mutagenic effects of alkylating agents on human lymphoid cells are caused by different DNA lesions.

Karran P, et al. **Carcinogenesis** 1985 May;6(5):789-92

Differentiated genotoxic response of carcinogenic and non-carcinogenic benzacridines and metabolites in rat hepatoma cells. Loquet C, et al. **Carcinogenesis** 1985 Mar; 6(3):455-7

Reaction of DNA with a mutagenic 3-N,N-acetoxyacetylamino-4,6-dimethyldipyrido[1,2-a:3',d]imidazole (N-AcO-AGlu-P-3) related to glutamic acid pyrolysates. Loukakou B, et al. **Carcinogenesis** 1985 Mar; 6(3):377-83

Potent anti-viral 5-(2-bromovinyl) uracil nucleosides are inactive at inducing gene mutations in Salmonella typhimurium and V79 Chinese hamster cells and unscheduled DNA synthesis in primary rat hepatocytes. Marquardt H, et al. **Carcinogenesis** 1985 Aug;6(8):1207-9

Mutagenicity of urine of bidi and cigarette smokers and tobacco chewers. Menon MM, et al. **Carcinogenesis** 1984 Nov;5(11):1523-4

Phototransformation of 2-aminofluorene into N-oxidized mutagens. Okinaka RT, et al. **Carcinogenesis** 1984 Dec; 5(12):1741-3

A beef-derived mutagenesis modulator inhibits initiation of mouse epidermal tumors by 7,12-dimethylbenz[a]anthracene. Pariza MW, et al. **Carcinogenesis** 1985 Apr;6(4):591-3

Enhancement of the mutagenicity of carcinogenic arylamines by ethinyl estradiol. Purdy RH, et al. **Carcinogenesis** 1984 Dec;5(12):1709-15

Induction of sarcomas in rats by subcutaneous injection of 7-methoxy-2-nitro-naphtho[2,1-b]furan (R 7000). Salmon RJ, et al. **Carcinogenesis** 1985 Jan;6(1):109-11

Effect of herbicide 2,4,5-trichlorophenoxyethanol (TCPE) containing dioxin on mutation and induction of sister chromatid exchanges. Tóth K, et al. **Carcinogenesis** 1984 Dec;5(12):1725-8

Mutagenic activity and polycyclic aromatic hydrocarbon levels in urine of workers exposed to coal tar pitch volatiles in an anode plant. Venier P, et al. **Carcinogenesis** 1985 May; 6(5):749-52

Genetic effects of chromium tannins. Venier P, et al. **Carcinogenesis** 1985 Sep;6(9):1327-35

Chemistry and in vitro mutagenicity of 2-aminofluorene derivatives. Crebelli R, et al. **Chem Biol Interact** 1985 Jun; 54(1):71-83

Studies on the mutagenicity and tumor-initiating activity of methylated fluorenes. Lavoie EJ, et al. **Chem Biol Interact** 1985 Jan;52(3):301-9

Uptake, metabolism and mutagenic activity of aromatic glycidyl compounds. Seiler JP. **Chem Biol Interact** 1984 Oct;51(3):347-56

Studies on chemical carcinogens and mutagens. XXVI. Chemical properties and mutagenicity of alkyl alkanesulfonates on Salmonella typhimurium TA100. Hakura A, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep; 32(9):3626-35

Deoxyribonucleic acid modification by mutagenic 3-amino-1-methyl-5H-pyrido[4,3-b]indole: the chemical events. Hashimoto Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Nov;32(11):4300-8

Induction of 'petite' mutants of yeast, Saccharomyces cerevisiae, by photodynamic action of acriflavine. Iwamoto Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2759-65

Studies on the mutagenicity of Swertiae Herba. I. Identification of the mutagenic components. Kanamori H, et al. **Chem Pharm Bull (Tokyo)** 1984 Jun;32(6):2290-5

Influence of microsomal and cytosolic fractions from the liver of 4 animal species and man on the mutagenicity of carcinogenic aminoazo dyes and nature of the mutagenicity-enhancing factor in the cytosol from rat liver. Mori Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep; 32(9):3641-50

Mechanism of species differences in N-hydroxyphenacetin mutagenicity: the role of deacetylation by rat and hamster liver microsomes. Nohmi T, et al. **Chem Pharm Bull (Tokyo)** 1984 Nov;32(11):4525-31

Dinitrotoluene: acute toxicity, oncogenicity, genotoxicity, and metabolism. Rickert DE, et al. **CRC Crit Rev Toxicol** 1984;13(3):217-34 (86 ref.)

A comparison of the mutagenicity of soluble trivalent chromium compounds with that of potassium chromate. Langerwerf JS, et al. **Ecotoxicol Environ Safety** 1985 Feb; 9(1):92-100

A study of the mutagenic effect of 3-methyl-4-nitrophenol on the somatic cells of the mouse. Nehéz M, et al. **Ecotoxicol Environ Safety** 1985 Feb;9(1):47-52

The teratogenic, embryotoxic, and prenatal mutagenic effect of 3-methyl-4-nitrophenol in the mouse. Nehéz M, et al. **Ecotoxicol Environ Safety** 1985 Apr;9(2):230-2

Mutagenic efficiency of organophosphorus insecticides used in combined treatments. Degraeve N, et al. **Environ Health Perspect** 1985 May;60:395-8

Mutagenicity of PCBs and their pyrosynthetic derivatives in cell-mediated assay. Hattula ML. **Environ Health Perspect** 1985 May;60:255-7

Genotoxicity of glycol ethers. McGregor DB. **Environ Health Perspect** 1984 Aug;57:97-103

Mutagenicity testing of diethylene glycol monobutyl ether. Thompson ED, et al. **Environ Health Perspect** 1984 Aug; 57:105-12

Abstracts of the sixteenth annual meeting of the Environmental Mutagen Society. Las Vegas, Nevada, February 25-March 1, 1985. **Environ Mutagen** 1985;7 Suppl 3:1-99

Mutagen sensitivity of Drosophila melanogaster: VII. Alkylation mutagenesis of mature and immature oocytes of the excision-deficient mus (2) 201D1 mutant. Badaruddin AS, et al. **Environ Mutagen** 1984;6(5):753-5

A comparison of genotoxicity of automotive exhaust particles from laboratory and environmental sources. Brooks AL, et al. **Environ Mutagen** 1984;6(5):651-68

An empirical study of the power of the Terpstra-Jonckheere test using binary data. Dickinson AW. **Environ Mutagen** 1985;7 Suppl 4:17-22

Reproducibility of microbial mutagenicity assays: I. Tests with Salmonella typhimurium and Escherichia coli using a standardized protocol. Dunkel VC, et al. **Environ Mutagen** 1984;6 Suppl 2:1-251

Introduction to the Genetic Toxicology Association workshop on statistical analysis of cytogenetics test systems. Irr JD, et al. **Environ Mutagen** 1985;7 Suppl 4:3-7

Increased mutagenicity of chromium compounds by nitrilotriacetic acid. Loprieno N, et al. **Environ Mutagen** 1985;7(2):185-200

Genotoxicity of the cooked-food mutagens IQ and MeIQ in primary cultures of rat, hamster, and guinea pig hepatocytes. Loury DJ, et al. **Environ Mutagen** 1985; 7(2):245-54

Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil. Manabe Y, et al. **Environ Mutagen** 1984;6(5):669-81

Mutagenicity of azo dyes following metabolism by different reductive/oxidative systems. Reid TM, et al. **Environ Mutagen** 1984;6(5):705-17

A statistical examination of historical controls for mouse bone marrow cytogenetic assays. Salsburg D, et al. **Environ Mutagen** 1985;7 Suppl 4:55-62

Tests of homogeneity and trend with medians. Thakur AK. **Environ Mutagen** 1985;7 Suppl 4:23-30

A new paradigm is needed in toxicology evaluation. Trosko JE. **Environ Mutagen** 1984;6(6):767-9

Some experimental design and analysis considerations for cytogenetics studies. Whorton EB Jr. **Environ Mutagen** 1985;7 Suppl 4:9-15

Mutagenicity testing of di(2-ethylhexyl)phthalate and related chemicals in Salmonella. Zeiger E, et al. **Environ Mutagen** 1985;7(2):213-32

Mutagenicity of metal ions in bacteria. Arlauskas A, et al. **Environ Res** 1985 Apr;36(2):379-88

The mediation of mutagenicity and clastogenicity of heavy metals by physicochemical factors. Babich H, et al. **Environ Res** 1985 Aug;37(2):253-86 (275 ref.)

Clastogenicity of a male contraceptive, gossypol, in mammalian cell cultures with and without the metabolic activation by S9 mix. Liang JC, et al. **Environ Res** 1985 Feb;36(1):138-43

Induced recessive lethals in the second and third chromosomes of Drosophila fed on fly ash. Mohamed AH, et al. **Environ Res** 1984 Dec;35(2):327-32

Genotoxicity studies of rodents exposed to coal dust and diesel emission particulates. Ong T, et al. **Environ Res** 1985 Aug;37(2):399-409

Intestinal tumors in rats induced by mutagens from glutamic acid pyrolysate. Masuda M, et al. **Exp Pathol** 1984; 26(3):123-9

Caffeine and human sperm characteristics [letter] Sturtevant FM. **Fertil Steril** 1985 Jan;43(1):151-2

Mutagenic investigation of flavourings: dimethyl succinate, ethyl pyruvate and aconitic acid are negative in the Salmonella/mammalian-microsome test. Andersen PH, et al. **Food Addit Contam** 1984 Jul-Sep;1(3):283-8

....Or goblin damned? **Food Chem Toxicol** 1984 Sep; 22(9):777-8

Investigation of coffee in sister chromatid exchange and micronucleus tests in vivo. Aeschbacher HU, et al. **Food Chem Toxicol** 1984 Oct;22(10):803-7

The genotoxicity of sodium saccharin and sodium chloride in relation to their cancer-promoting properties. Ashby J. **Food Chem Toxicol** 1985 Apr-May;23(4-5):507-19 (114 ref.)

Genetic toxicology in industry: perspectives and initiatives. Ashby J. **Food Chem Toxicol** 1985 Jan;23(1):43-5

Genotoxicity and carcinogenicity of glycidyl ethers. Hopkins J. **Food Chem Toxicol** 1984 Sep;22(9):780-3

Genotoxicity testing of cigarette-smoke condensate in the SCE and HGPRT assays with V79 Chinese hamster cells. Jongen WM, et al. **Food Chem Toxicol** 1985 Jun;23(6):603-7

Enhancement of hepatocellular genotoxicity of several mutagens from amino acid pyrolysates and broiled foods following ethanol pretreatment. Loury DJ, et al. **Food Chem Toxicol** 1985 Jul;23(7):661-7

Mutagenic effects of thiram in mammalian somatic cells. Paschin YuV, et al. **Food Chem Toxicol** 1985 Mar; 23(3):373-5

Mutagenicity studies on N-nitrosated products of the Maillard browning reaction: N-nitroso-fructose-amino acids. Pool BL, et al. **Food Chem Toxicol** 1984 Oct; 22(10):797-801

Genetic toxicology in industrial practice: general introduction. Tassignon JP. **Food Chem Toxicol** 1985 Jan; 23(1):5-9

Genetic toxicology in the pharmaceutical industry. Vanparys P, et al. **Food Chem Toxicol** 1985 Jan;23(1):19-22

Biomonitoring of exposure to potential mutagens and carcinogens in industrial populations. van Sittert NJ, et al. **Food Chem Toxicol** 1985 Jan;23(1):23-31

Examination of some fragrance substances for mutagenic activity. Williams J, et al. **Food Chem Toxicol** 1984 Nov; 22(11):897-900

Surfactants: a survey of short-term genotoxicity testing. Yam J, et al. **Food Chem Toxicol** 1984 Sep;22(9):761-9 (19 ref.)

Cytogenetic analyses utilizing various clastogens in two sibs with Fanconi anemia, their relatives, and control individuals. Gebhart E, et al. **Hum Genet** 1985;69(4):309-15

Investigation on the mutagenicity of N-nitrosothiazolidine using the Ames Salmonella test. Fiddler W, et al. **IARC Sci Publ** 1984;(57):95-100

Embryotoxicity and genotoxicity of nickel. Leonard A, et al. **IARC Sci Publ** 1984;(53):277-91 (59 ref.)

Destruction of carcinogenic and mutagenic N-nitrosamides in laboratory wastes. Lunn G, et al. **IARC Sci Publ** 1984; (57):387-98

Genetic activity in yeast assays of reputed nonmutagenic, carcinogenic N-nitroso compounds and methapyrilene hydrochloride. Mehta RD, et al. **IARC Sci Publ** 1984; (57):721-9

Mutagenicity of alpha-hydroxy N-nitrosamines in V79 Chinese hamster cells. Mochizuki M, et al. **IARC Sci Publ** 1984;(57):715-9

Amadori- and N-nitroso-Amadori compounds and their pyrolysis products. Chemical, analytical and biological aspects. Röper H, et al. **IARC Sci Publ** 1984;(57):101-11

Metabolism of N-nitrodialkylamines. Suzuki E, et al. **IARC Sci Publ** 1984;(57):485-90

Mutagenicity of various Japanese foodstuffs treated with nitrite. II. Directly-acting mutagens produced from N-containing compounds in foodstuffs. Tomita I, et al. **IARC Sci Publ** 1984;(57):33-41

Presence of 1-methyl-1,2,3,4-tetrahydro-beta-carboline-3-carboxylic acids and tyramine as precursors of mutagens in soya sauce after nitrite treatment. Wakabayashi K, et al. **IARC Sci Publ** 1984;(57):17-24

Nitroso derivatives of harman and norharman--their formation, characterization and mutagenicity. Nagalakshmi C, et al. **Indian J Exp Biol** 1984 Feb;22(2):84-7

Mutagenicity of 4,4'-methylene-bis-(2-chloroaniline) 'MOCA' and its N-acetyl derivatives in S. typhimurium. Hesbert A, et al. **Int Arch Occup Environ Health** 1985; 55(2):169-74

The clastogenic effect of irradiated human plasma. Lloyd DC, et al. **Int J Radiat Biol** 1985 Apr;47(4):433-44

Molecular analysis of mutagenesis in mammalian cells. Sarasin A, et al. **Int J Radiat Biol** 1985 May;47(5):479-88

A pilot indoor-outdoor study of organic particulate matter and particulate mutagenicity. Lioy PJ, et al. **J Air Pollut Control Assoc** 1985 Jun;35(6):653-7

Diurnal mutagenicity of airborne particulate organic matter adjacent to a heavily traveled West Los Angeles freeway. Pitts JN Jr, et al. **J Air Pollut Control Assoc** 1985 Jun; 35(6):638-43

Mutagenicity and chemical characterization of two petroleum distillates. Carver JH, et al. **J Appl Toxicol** 1984 Aug;4(4):163-9

Dimethylnitrosamine genotoxicity in rat liver primary cell cultures with low cytochrome P-450 levels. Mendoza-Figueroa T. **J Appl Toxicol** 1984 Dec; 4(6):297-303

Mutagenicity of alpha-hydroxy N-nitrosamines in V79 Chinese hamster cells. Mochizuki M, et al. **J Cancer Res Clin Oncol** 1984;108(3):290-5

Experimental studies on mutagenic and carcinogenic effects of tobacco chewing. Shah AS, et al. **J Cancer Res Clin Oncol** 1985;109(3):203-7

Genotoxicity of methyl parathion in short-term bacterial test systems. Rashid KA, et al. **J Environ Sci Health [B]** 1984 Aug;19(6):565-77

Potential of 2,4-dichlorophenoxyacetic acid conjugates as promutagens in the Salmonella/microsome mutagenicity test. Rashid KA, et al. **J Environ Sci Health [B]** 1984 Nov-Dec;19(8-9):689-701

Dietary carcinogens and anti-carcinogens. Ames BN. **J Toxicol Clin Toxicol** 1984;22(3):291-301

Mutagenic and carcinogenic activity of a hydrotreated coal liquid. Frazier ME, et al. **J Toxicol Environ Health** 1984; 13(4-6):531-43

Mutagenicity in Salmonella of nitroorganic compounds in extracts of fly ash from a lignite-fired atmospheric fluidized-bed combustor. Remsen JF, et al. **J Toxicol Environ Health** 1984;14(4):479-90

Effect of dose on the inhibition of carcinogenesis/mutagenesis by Aroclor 1254 in rainbow trout fed aflatoxin B1. Shelton DW, et al. **J Toxicol Environ Health** 1984;13(4-6):649-57

Quercetin: a mutagen, not a carcinogen, in Fischer rats. Stoewsand GS, et al. **J Toxicol Environ Health** 1984; 14(2-3):105-14

The mutagenicities of seven coumarin derivatives and a furan derivative (nimbolide) isolated from three medicinal plants. Uwaifo AO. **J Toxicol Environ Health** 1984;13(4-6):521-30

Mutagenicity of tobacco snuff: possible health implications for coal miners. Whong WZ, et al. **J Toxicol Environ Health** 1984;14(4):491-6

Organ-specific susceptibility to clastogenic effect of urethane, a trial of application of whole embryo culture to testing system for clastogen. Itoh A, et al. **J Toxicol Sci** 1984 May;9(2):175-92

Mutagenicity testing of ST-film with the Ames test, chromosome test in vitro and micronucleus test in female mice. Shibuya T, et al. **J Toxicol Sci** 1985 May;10(2):135-41

Metabolism, covalent binding, and mutagenicity of aflatoxin B1 by liver extracts from rats of various ages. Jayaraj A, et al. **JNCI** 1985 Jan;74(1):95-103

Multipotential carcinogenicity of the fried food mutagen 2-amino-3-methylimidazo[4,5-f]quinoline in rats. Tanaka T, et al. **Jpn J Cancer Res** 1985 Jul;76(7):570-6

Mutagenic potential of anticonvulsant diphyenylhydantoin (DPH) on human lymphocytes in vitro. Maurya AK, et al. **Methods Find Exp Clin Pharmacol** 1985 Mar;7(3):109-12

Induction of a step in carcinogenesis that is normally associated with mutagenesis by nonmutagenic concentrations of 5-azacytidine. Bouck N, et al. **Mol Cell Biol** 1984 Jul;4(7):1231-7

Griseofulvin resistance mutation of Chinese hamster ovary cells that affects the apparent molecular weight of a congruent to 200,000-dalton protein. Gupta RS. **Mol Cell Biol** 1984 Sep;4(9):1761-8

Reaction of mutagenic phenacetin metabolites with glutathione and DNA. Possible implications for toxicity. Mulder GJ, et al. **Mol Pharmacol** 1984 Sep;26(2):342-7

Selected abstracts of papers presented at the 12th annual meeting of the Environmental Mutagen Society of Japan. 28-29 October 1983, Tokushima (Japan). **Mutat Res** 1984 Oct;130(5):361-86

A preliminary analysis of the genotoxicity of a few spices in Drosophila. Abraham SK, et al. **Mutat Res** 1985 Aug;143(4):219-23

Paramorphogenic and genotoxic activity of Triton X-100 and sodium dodecyl sulphate in Aspergillus nidulans. Assinder SJ, et al. **Mutat Res** 1985 Apr;142(4):179-81

11- and 12-chloromethylbenzo[a]pyrene are potent direct-acting mutagens in the Ames assay. Ball JC, et al. **Mutat Res** 1985 Apr;142(4):141-4

Mutagenicity studies of p-substituted benzyl derivatives in the Ames Salmonella plate-incorporation assay. Ball JC, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):145-51

Mutagenicity of derivatives and metabolites of 1-nitropyrene: activation by rat liver S9 and bacterial enzymes. Ball LM, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):113-25

Use of the terms mutagenicity and genotoxicity [letter] Bridges BA. **Mutat Res** 1984 Sep-Oct;132(3-4):139, 141-2

Genetic and biochemical investigation on chloral hydrate in vitro and in vivo. Bronzetti G, et al. **Mutat Res** 1984 Sep;141(1):19-22

Induction of SCEs by some pyrrolizidine alkaloids in V79 Chinese hamster cells co-cultured with chick embryo hepatocytes. Bruggeman IM, et al. **Mutat Res** 1985 Apr;142(4):209-12

Lack of activity of the bacterial mutagen emodin in HGPRT and SCE assay with V79 Chinese hamster cells. Bruggeman IM, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):219-24

Developmental status of bioassays in genetic toxicology. A report of Phase II of the U.S. Environmental Protection Agency Gene-Tox Program. Brusick D, et al. **Mutat Res** 1985 Jan-Mar;153(1-2):1-10

Mutagenicity in the Salmonella/microsome assay of tobacco condensates formed during pipe smoking. Cerná M, et al. **Mutat Res** 1985 Jul;143(3):161-4

Mutagenicity of beta-glucuronidase in the Ames test. Cerná M. **Mutat Res** 1985 Jul;143(3):169-72

Mutagens in rat urine after dermal application of 1,3-diaminobenzene. Clemmensen S, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):137-43

A human cell line sensitive to mutation by particle-borne chemicals. Crespi CL, et al. **Mutat Res** 1985 Jul;157(1):71-5

Study of the mutagenic activity of 6 hepatotoxic pharmaceutical drugs in the Salmonella typhimurium microsome test, and the HGPRT and Na+/K+ ATPase system in cultured mammalian cells. Dayan J, et al. **Mutat Res** 1985 Jul;157(1):1-12

Genetic toxicology testing of 41 industrial chemicals. Dean BJ, et al. **Mutat Res** 1985 Jan-Mar;153(1-2):57-77

Toxicity and mutagenicity tests of 4 anti-cancer drugs in cultured Chinese hamster cells. Dickins M, et al. **Mutat Res** 1985 Jul;143(3):149-54

Dimethyl methyl phosphonate induction of dominant lethal mutations in male mice. Dunnick JK, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):213-8

Three consistent patterns of response to substituted acridines in a variety of bacterial tester strains used for mutagenicity testing. Ferguson LR, et al. **Mutat Res** 1985 Jul;157(1):29-37

The orientation of the nitro substituent predicts the direct-acting bacterial mutagenicity of nitrated polycyclic aromatic hydrocarbons. Fu PP, et al. **Mutat Res** 1985 Jul;143(3):173-81

Characteristics of major mutagenicity of instant coffee. Fujita Y, et al. **Mutat Res** 1985 Apr;142(4):145-8

An analysis of the spectra of genetic activity produced by known or suspected human carcinogens. Garrett NE, et al. **Mutat Res** 1984 Sep-Nov;134(2-3):89-111

Formation of a new mutagenic DiMeIQx compound in a model system by heating creatinine, alanine and fructose. Grivas S, et al. **Mutat Res** 1985 Sep;151(2):177-83

Mutagenesis by N-nitroso compounds in Salmonella typhimurium TA102 and TA104: evidence for premutagenic adenine or thymine DNA adducts. Guttenplan JB, et al. **Mutat Res** 1984 Nov-Dec;141(3-4):153-9

Studies on chemical carcinogens and mutagens. XXIX. Mutagenic N-trimethylsilylmethyl-N-nitrosourea as a biological alkylating agent equivalent to N-methyl-N-nitrosourea (MNU). Hakura A, et al. **Mutat Res** 1985 Jul;157(1):87-93

The differential effect of benzamide upon the toxicity and mutations produced in Chinese hamster ovary cells by N-methyl nitrosourea, N-ethyl nitrosourea and N-hydroxy-2-aminofluorene. Heflich RH, et al. **Mutat Res** 1985 Apr;142(4):203-7

Mutagenic and alkylating activities of organophosphate impurities of commercial malathion. Imamura T, et al. **Mutat Res** 1985 Jan-Feb;155(1-2):1-6

Pinacolyl methylphosphonochloridate: in vitro covalent binding to DNA and mutagenicity in the Ames test. Ivanović V, et al. **Mutat Res** 1985 Jan-Feb;142(1-2):9-12

Hydrogen peroxide-dependent activation of benzidine to mutagenic species. Josephy PD, et al. **Mutat Res** 1984 Sep;141(1):23-8

Adsorption of pyrolysate mutagens by vegetable fibers. Kada T, et al. **Mutat Res** 1984 Nov-Dec;141(3-4):149-52

Mutagenicity examination of several non-steroidal anti-inflammatory drugs in bacterial systems. Kadotani S, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):133-6

Evaluation of 1,3-pentadiene for mutagenicity by the Salmonella/mammalian microsome assay. Liewen MB, et al. **Mutat Res** 1985 Jul;157(1):49-52

Lack of genetic and in vitro metabolic activity of potently carcinogenic azoxyalkanes. Lijinsky W, et al. **Mutat Res** 1985 Jul;157(1):23-7

Mutagenicity of nitropyrenes for Escherichia coli: requirement for increased cellular permeability. McCoy EC, et al. **Mutat Res** 1985 Apr;142(4):163-7

Mutagenesis of anaerobic cultures of Salmonella typhimurium by nitrosoguanidine, diethyl sulfate and 9-aminoacridine. MacPhee DG, et al. **Mutat Res** 1985 Jul;143(3):183-6

Aristolochic acid induces 6-thioguanine-resistant mutants in an extrahepatic tissue in rats after oral application. Maier P, et al. **Mutat Res** 1985 Jul;143(3):143-8

Naturally occurring carbonyl compounds are mutagens in Salmonella tester strain TA104. Marnett LJ, et al. **Mutat Res** 1985 Jan-Feb;148(1-2):25-34

Mutagenicity of pyrene in Salmonella. Matijašević Z, et al. **Mutat Res** 1985 Apr;142(4):149-52

Genetic toxicity of erythrosine in yeast. Matula TI, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):153-6

Identification of mutagenic compounds formed during chlorination of humic acid. Meier JR, et al. **Mutat Res** 1985 Aug-Sep;157(2-3):111-22

Hepatotoxic doses of dioxin do not damage mouse bone marrow chromosomes. Meyne J, et al. **Mutat Res** 1985 Jul;157(1):63-9

Benzyl chloride and 4-chloromethylbiphenyl induced DNA damage and its repair in excision-deficient (XP group A) or -proficient human cells. Mirzayans R, et al. **Mutat Res** 1985 May;145(3):209-15

The effect of diphenylhydantoin on the frequency of micronuclei in bone-marrow polychromatic erythrocytes of mice. Montes de Oca-Luna R, et al. **Mutat Res** 1984 Nov-Dec;141(3-4):183-7

Mutagenic activation of dialkylnitrosamines by intact urothelial cells. Moore CM, et al. **Mutat Res** 1985 Jul;157(1):95-105

Genotoxicity of fungal metabolites related to aflatoxin B1 biosynthesis. Mori H, et al. **Mutat Res** 1985 Jul;143(3):121-5

Inhibitory effect of organic solvents on the mutagenicity of N-nitrosodialkylamines in Salmonella. Mori Y, et al. **Mutat Res** 1985 Apr;142(4):153-8

Mutagenic activation of biliary metabolites of 1-nitropyrene by intestinal microflora. Morotomi M, et al. **Mutat Res** 1985 Apr;149(2):171-8

Cytogenetic effects of sulphadiazine and sulphaguanidine on mitotic cells of male mice. Murthy DK, et al. **Mutat Res** 1984 Nov-Dec;141(3-4):201-4

Metabolic activation of N-acetylbenzidine and N,N'-diacetylbenzidine to mutagens, using isolated hepatocytes and the 9000 X g liver supernatant from rat, hamster and guinea pig. Neis JM, et al. **Mutat Res** 1985 Sep;151(2):195-200

Mutagenicity of some derivatives of dipyrido[1,2-a:3',2'-d]imidazoles in Salmonella typhimurium with metabolic activation by rat liver and small intestine subcellular fractions. N'Goy K, et al. **Mutat Res** 1985 Apr-May;156(1-2):53-9

Relationship between mutagenic potency in Salmonella typhimurium and chemical structure of amino- and nitro-substituted biphenyls. Nohara M, et al. **Mutat Res** 1985 Mar;149(1):9-15

Genetic analysis of clear-plaque mutations induced in bacteriophage lambda by 9-aminoacridine. Pons FW. **Mutat Res** 1984 Dec;129(3):311-7

A new method for sister-chromatid exchange studies in vivo, a single injection of BrdU in melted agar. Qin S, et al. **Mutat Res** 1984 Nov-Dec;141(3-4):189-93

Nitroarenes in Suimon River sediment. Sato T, et al. **Mutat Res** 1985 Aug-Sep;157(2-3):135-43

A review of the genetic effects of ethyl methanesulfonate. Sega GA. **Mutat Res** 1984 Sep-Nov;134(2-3):113-42 (311 ref.)

Mutagen sensitivity of Drosophila melanogaster. VIII. The influence of the mei-41D5, mus(1)101D1, mus(1)102D1, mus(1)103D1, mus(2)205A1, and mus(3)310D1 loci on alkylation-induced mutagenesis. Smith PD, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):235-40

Personal comments on 'Environmental Protection Agency' proposed guidelines for mutagenicity risk assessment. Sobels FH. **Mutat Res** 1985 Aug;147(4):211-6

Comparative chemical mutagenesis; well designed and well assessed. Comparative genetic toxicology: the second UK EMS Collaborative Study. Sobels FH. **Mutat Res** 1985 Aug-Sep;157(2-3):107-10

Effect of storage at 4 degrees on prepared Salmonella/microsome test plates. Stanton CA, et al. **Mutat Res** 1984 Sep;141(1):7-9

Activity of bromochlorodifluoromethane (BCF) in three mutation tests. Styles JA, et al. **Mutat Res** 1985 Apr;142(4):187-92

Carcinogenicity of mutagenic heterocyclic amines formed during the cooking process. Sugimura T. **Mutat Res** 1985 Jun-Jul;150(1-2):33-41

On the genotoxicity of the pesticides Endodan and Kilacar in 6 different test systems. Tzoneva M, et al. **Mutat Res** 1985 Jul;157(1):13-22

Bifunctional nitrofluorenes: structure-activity relationships in Salmonella typhimurium. Vance WA, et al. **Mutat Res** 1985 Aug;143(4):213-8

Desmutagenic effects of N-acetylcysteine on direct and indirect mutagens. Wilpart M, et al. **Mutat Res** 1985 Apr;142(4):169-77

Protection from toxic and mutagenic effects of H2O2 by catalase induction in Salmonella typhimurium. Winquist L, et al. **Mutat Res** 1984 Nov-Dec;141(3-4):145-7

DNA-damaging properties and cytotoxicity in human fibroblasts of tetrachlorohydroquinone, a pentachlorophenol metabolite. Witte I, et al. **Mutat Res** 1985 Jan-Mar;145(1-2):71-5

Mutagenic activity of some intercalating compounds in the Drosophila zeste somatic eye mutation test. Xamena N, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):169-73

Induction of aneuploidy by oncodazole (nocodazole), an anti-tubulin agent, and acetone. Zimmermann FK, et al. **Mutat Res** 1984 Sep;141(1):15-8

Mutagenic effects of aflatoxin B-1 and G-1 on the Egyptian cotton leaf-worm, Spodoptera littoralis (Boisd.). Abdou RF, et al. **Mycopathologia** 1984 Oct 30;88(1):23-6

Mutagenic effects of psoralens in yeast and V79 Chinese hamster cells. Averbeck D, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:127-36

Monitoring of effects of cis-diamminedichloroplatinum II (Platidiam). Part II. Tests for mutagenic activity in the indicator system of Salmonella typhimurium his- strains (Ames test). Vančurová M, et al. **Neoplasma** 1985;32(3):307-12

Conformational changes induced in DNA by the in vitro reaction with the mutagenic amine: 3-N,N-acetoxyacetylamino-4,6-dimethyldipyrido (1,2-a: 3', 2'-d) imidazole. Hébert E, et al. **Nucleic Acids Res** 1984 Nov 26;12(22):8553-66

Genotoxic effects of drug/nitrite interaction products: evidence for the need of risk assessment. Brambilla G. **Pharmacol Res Commun** 1985 Apr;17(4):307-21 (70 ref.)

Phototoxic potentialities of tartrazine: screening tests. Merville MP, et al. **Photochem Photobiol** 1984 Aug;40(2):221-6

Quantitation of the photomutagenic response of Salmonella to an Eastern shale oil and fluorescent light. Selby C, et al. **Photochem Photobiol** 1984 Sep;40(3):329-32

Polycyclic aromatic hydrocarbon mutagenesis of human epidermal keratinocytes in culture. Allen-Hoffmann BL, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7802-6

Metabolically activated steviol, the aglycone of stevioside, is mutagenic. Pezzuto JM, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2478-82

Endonuclease-resistant apyrimidinic sites formed by neocarzinostatin at cytosine residues in DNA: evidence for a possible role in mutagenesis. Povirk LF, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3182-6

The mutagenicity of nitrite-treated aqueous extract of Piper betle L. Chen HC, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Jan;8(1):4-10

Mutagenicity in drug development: interpretation and significance of test results. Clive D. **Regul Toxicol Pharmacol** 1985 Mar;5(1):79-100

Identification of genotoxic and epigenetic carcinogens in liver culture systems. Williams GM. **Regul Toxicol Pharmacol** 1985 Jun;5(2):132-44

The mutagenicity in procaryotes of herbicides. Grutman G, et al. **Residue Rev** 1984;91:1-46 (112 ref.)

Genotoxic risk of passive smoking. Bos RP, et al. **Rev Environ Health** 1984;4(2):161-78 (46 ref.)

Toxicological studies on omeprazole. Ekman L, et al. **Scand J Gastroenterol [Suppl]** 1985;108:53-69

Chlorination of ozonated soil fulvic acid: mutagenicity studies in Salmonella. Kowbel DJ, et al. **Sci Total Environ** 1984 Aug 1;37(2-3):171-6

Study of mutagenic pollution in Bombay. Shenoy CN, et al. **Sci Total Environ** 1984 Sep;38:275-81

Mutagenicity of coal tar paints used in drinking water distribution systems. Silvano M, et al. **Sci Total Environ** 1984 Nov;39(3):251-63

Toxicity of fluoride-containing dental preparations: a review. Smith GE. **Sci Total Environ** 1985 May;43(1-2):41-61 (72 ref.)

Effects of vitamins A, C, and E on aflatoxin B1-induced mutagenesis in Salmonella typhimurium TA-98 and TA-100. Raina V, et al. **Teratogenesis Carcinog Mutagen** 1985;5(1):29–40

Assay of mutagens in aqueous fecal extracts with a modified ames Salmonella test. Shaw R, et al. **Teratogenesis Carcinog Mutagen** 1985;5(1):15–27

The mutagenic properties of N-nitrosopeptides in the Ames test. Challis BC, et al. **Toxicol Lett** 1985 Aug;26(2–3):89–93

Genotoxicity of organic chemicals frequently found in the air of mobile homes. Connor TH, et al. **Toxicol Lett** 1985 Apr;25(1):33–40

In vitro mutagenicity of rubber chemicals and their nitrosation products. Crebelli R, et al. **Toxicol Lett** 1984 Dec;23(3):307–13

Mutagenicity in Salmonella assays of cyclohexane epoxide derivatives. Frantz SW, et al. **Toxicol Lett** 1985 Jun; 25(3):265–71

Micronucleus formation in bone marrow of mice treated with nifurtimox or benznidazole. Gorla NB, et al. **Toxicol Lett** 1985 Jun;25(3):259–63

Mutagenic effect of nitrilotriacetic acid on cultured human cells. Grilli MP, et al. **Toxicol Lett** 1985 May;25(2):137–41

Effects of smoking on spontaneous and induced sister chromatid exchanges in lymphocytes. Nagaya T, et al. **Toxicol Lett** 1985 Jun;25(3):293–6

Inactivity of styrene in the mouse sperm morphology test. Salomaa S, et al. **Toxicol Lett** 1985 Feb–Mar;24(2–3):151–5

Chemical carcinogens without mutagenic activity: peroxisome proliferators as a prototype. Reddy JK, et al. **Toxicol Pathol** 1983;11(2):172–80

Synthetic antioxidants: biochemical actions and interference with radiation, toxic compounds, chemical mutagens and chemical carcinogens. Kahl R. **Toxicology** 1984 Dec; 33(3–4):185–228 (367 ref.)

Fast-atom bombardment and electron-impact mass spectrometry of N-hydroxyarylamines, active intermediates of mutagenic aromatic amines. Saito K, et al. **Xenobiotica** 1985 Apr;15(4):327–32

Determination of mutagenic activities in different fractions of automobile exhaust condensate by the Salmonella/oxygenase mutagenicity test system. Norpoth K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 May; 180(5–6):540–7

[Mutagenicity and teratogenicity studies of fenitrothion] Hou YH. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jul; 18(4):227–30 (Eng. Abstr.) (Chi)

[Mutagenicity of bis(2,3-epoxy-cyclopentyl) ether] Xie DY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Jun;6(3):210–2 (Eng. Abstr.) (Chi)

[Effect of qinghaosu on the frequency of occurrence of micronucleus of mouse bone marrow polychromatic erythrocytes] Yang LX. **Chung Yao Tung Pao** 1984 May; 9(3):132–4 (Chi)

[Study of the biological effects of quinoxaline-1,4-dioxide] Nováček L, et al. **Cesk Farm** 1984 Jun;33(5):196–200 (Eng. Abstr.) (Cze)

[The possible mutagenic effects of cytostatics on nurses in an oncology department] Bastholt L. **Ugeskr Laeger** 1984 Aug 27;146(35):2610–3 (Eng. Abstr.) (Dan)

[The neurotoxicity and mutagenicity of phenylmercury acetate and nitrate in single and combined applications in animal studies] Páldy A, et al. **Nahrung** 1985;29(5):537–9 (Ger)

[Isopimpinellin—a furocoumarin from Heracleum sphondylium with chromosome damaging activity] Abel G, et al. **Planta Med** 1985 Jun;(3):250–2 (Eng. Abstr.) (Ger)

[Mutagenicity of meat flavorings with natural and/or nature-identical flavorings] Scheutwinkel-Reich M, et al. **Z Lebensm Unters Forsch** 1985 Mar;180(3):207–10 (Eng. Abstr.) (Ger)

[Mutagenesis of efloxate tested in vitro and in vivo] Veronese M, et al. **Boll Chim Farm** 1985 Mar;124(3):124–30 (Eng. Abstr.) (Ita)

[A carcinogens—methods for detecting environmental muta/carcinogens] Morimoto K, et al. **Gan To Kagaku Ryoho** 1985 Apr;12(4):789–97 (23 ref.) (Eng. Abstr.) (Jpn)

[The mutagenicity evaluation of MT-141, a new cephamycin] Hirano F, et al. **Jpn J Antibiot** 1984 May;37(5):918–26 (Eng. Abstr.) (Jpn)

[Mutagenicity of organic rubber additives] Ueno S, et al. **Sangyo Igaku** 1984 Mar;26(2):147–54 (Eng. Abstr.) (Jpn)

[Structure-function characterization of phenanthridinium compounds as mutagens in salmonella and yeast] Fukunaga M, et al. **Sangyo Ika Daigaku Zasshi** 1983 Jun 1;5(2):207–12 (Eng. Abstr.) (Jpn)

[Evaluation of the mutagenic properties of mitomycin C by the sister chromatid exchange test in human blood lymphocytes in vitro] Bajerska A, et al. **Med Pr** 1984; 35(3):195–200 (Eng. Abstr.) (Pol)

[Mutagenic and gonadotoxic properties of trioxane and dioxolane] Barański B, et al. **Med Pr** 1984;35(4):245–55 (Eng. Abstr.) (Pol)

[Polycyclic aromatic hydrocarbon content of waste products of the coal-tar industry and the mutagenic effect of soot extracts] Khesina AIa, et al. **Eksp Onkol** 1985;7(2):26–8 (Eng. Abstr.) (Rus)

[Correlation of the mutagenic and carcinogenic activity of various aromatic amines] Pogodina ON, et al. **Eksp Onkol** 1984;6(4):23–5 (Eng. Abstr.) (Rus)

[Evaluation of the mutagenicity and carcinogenicity of hexachlorobutadiene] Chudin VA, et al. **Gig Sanit** 1985 May;(5):79–80 (Rus)

[Mutagenic activity of air samples in the cities of Lodz and Zgezh] Sviontchak T, et al. **Gig Sanit** 1984 Nov;(11):64–5 (Rus)

[Prospects for the use of short-term tests in primary cancer prevention] Khudolei VV, et al. **Vopr Onkol** 1984; 30(8):3–12 (47 ref.) (Rus)

[Effect of antioxidants on the carcinogenic and mutagenic activity of benzo[a]pyrene] Kirso UE, et al. **Vopr Onkol** 1985;31(4):70–5 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Is there a continuing role for the intraperitoneal injection route of exposure in short-term rodent genotoxicity assays? Ashby J. **Mutat Res** 1985 Jun;156(3):239–43

The role of feeding rejection in Drosophila mutation assays. Gollapudi BB, et al. **Mutat Res** 1985 Sep;144(1):13–7

ADVERSE EFFECTS

Kathon CG: cosmetic allergy and patch test sensitization. de Groot AC, et al. **Contact Dermatitis** 1985 Feb; 12(2):76–80

[Health status of workers in contact with dimethyl sulfate (clinico-hygienic, immunological and cytogenetic research)] Molodkina NN, et al. **Gig Tr Prof Zabol** 1985 Mar;(3):32–5 (Eng. Abstr.) (Rus)

ANALYSIS

Mutagens in cooked food: chemical aspects. Bjeldanes LF, et al. **Adv Exp Med Biol** 1984;177:545–54

Destruction of aromatic amines in laboratory wastes through oxidation with potassium permanganate/sulfuric acid into non-mutagenic derivatives. Castegnaro M, et al. **Am Ind Hyg Assoc J** 1985 Apr;46(4):187–91

Validation of techniques for the destruction of dimethyl sulfate. Lunn G, et al. **Am Ind Hyg Assoc J** 1985 Mar; 46(3):111–4

A search for mutagens in human aortal lipid extracts. Johnson BH, et al. **Atherosclerosis** 1984 Dec;53(3):331–6

Identification of polycyclic aromatic compounds in mutagenic emissions from steel casting. Quilliam MA, et al. **Biomed Mass Spectrom** 1985 Apr;12(4):143–50

Mutagenicity assessment of different drinking water supplies before and after treatments. Monarca S, et al. **Bull Environ Contam Toxicol** 1985 Jun;34(6):815–23

Quantification of 2-amino-3-methylimidazo[4,5-f]quinoline (IQ) and 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) in beef extracts by liquid chromatography with electrochemical detection (LCEC). Takahashi M, et al. **Carcinogenesis** 1985 Aug;6(8):1195–9

Studies on the mutagenicity of swertiae herba. II. Quantitative analysis of mutagenic components by thin layer chromatograph densitometry. Kanamori H, et al. **Chem Pharm Bull (Tokyo)** 1984 Dec;32(12):4942–5

Mutagenesis assays of human amniotic fluid. Everson RB, et al. **Environ Mutagen** 1985;7(2):171–84

Evaluation of the genotoxicity of process stream extracts from a coal gasification system. Shimizu RW, et al. **Environ Mutagen** 1984;6(6):825–34

The influence of roasting procedure on the formation of mutagenic compounds in coffee. Albertini S, et al. **Food Chem Toxicol** 1985 Jun;23(6):593–7

Genetic toxicology in the food industry. Anderson D. **Food Chem Toxicol** 1985 Jan;23(1):11–8

Mutagen content of wines contaminated with common yeasts. Subden RE, et al. **Food Chem Toxicol** 1985 Mar;23(3):343–7

Mutagenic/carcinogenic hazards in a cold-rolling steel plant exposed to mineral oils: environmental monitoring phase. Monarca S, et al. **Int Arch Occup Environ Health** 1984; 54(4):345–54

Analytical isolation, separation and identification of mutagens from nonvolatile organics of drinking water. Tabor MW, et al. **Int J Environ Anal Chem** 1985;19(4):281–318

Nuggets on the surface. The flavour of the fire. Jukes TH. **J Appl Biochem** 1984 Aug;6(4):197–8

Improved analytical and preparative methods for necatorin from Lactarius necator (Fr.) Karst mushroom. Suortti T. **J Chromatogr** 1984 Sep 28;301(1):303–7

Detection of volatile mutagens in creosote and coal tar. Bos RP, et al. **Mutat Res** 1985 Jun;156(3):195–8

Cytostatic drug activity in plasma, a bioassay for detecting mutagenicity of directly and indirectly acting chemicals, an evaluation of 20 chemicals. Darroudi F, et al. **Mutat Res** 1985 Aug;143(4):263–9

Environmental mutagenesis and carcinogenesis: test method development, validation and utilization. de Serres FJ, et al. **Mutat Res** 1984 Oct;130(5):353–9

Analysis of mutagenic imidazo[4,5-f]quinolines and -quinoxalines (IQ compounds). Comparison of electrochemical and ultraviolet detection. Grivas S, et al. **Mutat Res** 1985 Jan–Feb;142(1–2):5–8

Fecal mutagenicity arising from ingestion of fried ground beef in the human. Hayatsu H, et al. **Mutat Res** 1985 Aug; 143(4):207–11

Testing for mutagens in an aluminium plant. The results of Salmonella typhimurium tests on expectorates from exposed workers. Krøkje A, et al. **Mutat Res** 1985 Jun; 156(3):147–52

Occurrence of mutagens in canned foods. Krone CA, et al. **Mutat Res** 1984 Nov–Dec;141(3–4):131–4

The SOS Chromotest, a colorimetric bacterial assay for genotoxins: procedures. Quillardet P, et al. **Mutat Res** 1985 Jun;147(3):65–78

Dietary factors affecting the urinary mutagenicity assay system. I. Detection of mutagenic activity in human urine following a fried beef meal. Sousa J, et al. **Mutat Res** 1985 May;149(3):365–74

Vaginal contents show in vitro mutagenic activity. Wei RD, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Jan; 8(1):46–9

Mutagenicity of three agricultural soils. Brown KW, et al. **Sci Total Environ** 1985 Feb;41(2):173–86

Tracking exposure to toxic substances [news] Maugh TH 2d. **Science** 1984 Dec 7;226(4679):1183–4

Short-term bioassays of fractionated emission samples from wood combustion. Alfheim I, et al. **Teratogenesis Carcinog Mutagen** 1984;4(6):459–75

[Monitor of mutagens and carcinogens in the body fluid of the exposed individuals. Assays of mutagenic activity in the urine] Feng BJ. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):262–4 (Eng. Abstr.) (Chi)

ANTAGONISTS & INHIBITORS

Inhibitory effect of tannins on direct-acting mutagens. Okuda T, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3755–8

Effects of vitamin A on cyclophosphamide mutagenicity in vitro (Ames test) and in vivo (mouse micronucleus test). Busk L, et al. **Food Chem Toxicol** 1984 Sep;22(9):725–30

Interaction between quercetin and superoxide radicals. Reduction of the quercetin mutagenicity. Ueno I, et al. **J Pharmacobiodyn** 1984 Nov;7(11):798–803

Detection and chemical identification of natural bio-antimutagens. A case of the green tea factor. Kada T, et al. **Mutat Res** 1985 Jun–Jul;150(1–2):127–32

A desmutagenic factor isolated from burdock (Arctium lappa Linne). Morita K, et al. **Mutat Res** 1984 Oct;129(1):25–31

Desmutagenic substance in water extract of grass-wrack pondweed (Potamogeton oxyphylus Miquel). Sato T, et al. **Mutat Res** 1984 Oct;129(1):33–8

Antagonizing effect of 3-aminoharman on induction of sister-chromatid exchanges by mutagens. Tohda H, et al. **Mutat Res** 1984 Oct;129(1):63–9

CHEMICAL SYNTHESIS

An improved synthesis of 3,8-dimethyl-3H-imidazo[4,5-f]quinoxalin-2-amine ('MeIQx') and its 2-14C-labelled analogue. Grivas S, et al. **Acta Chem Scand [B]** 1985;39(1):31–4

A convenient synthesis of the potent mutagen 3,4,8-trimethyl-3H-imidazo[4,5-f]quinoxalin-2-amine. Grivas S. **Acta Chem Scand [B]** 1985;39(3):213–7

Preparation and characterization of dinitroperylenes. Nordbotten A, et al. **Acta Chem Scand [B]** 1984;38(8):701–6

Characterization of alkyldinitrogen species implicated in the carcinogenic, mutagenic and anticancer activities of N-nitroso compounds. Lown JW, et al. **IARC Sci Publ** 1984;(57):689–93

Production of mutagenic artifacts by the action of residual chlorine on XAD-4 resin. Sweeney AG, et al. **J Chromatogr** 1985 May 29;325(1):95–102

ISOLATION & PURIFICATION

Metabolism of 9-nitroanthracene by rat liver microsomes: identification and mutagenicity of metabolites. Fu PP, et al. **Carcinogenesis** 1985 May;6(5):753–7

Isolation of frameshift mutagens from smokers' urine: experiences with three concentration methods. Mohtashamipur E, et al. **Carcinogenesis** 1985 May; 6(5):783–8

Mutagenicity of urine and faeces after treatment of rats with known genotoxins. Willems MI, et al. **Carcinogenesis** 1985 Jul;6(7):967–76

4-Chloro-6-methoxyindole is the precursor of a potent mutagen (4-chloro-6-methoxy-2-hydroxy-1-nitroso-indolin-3-one oxime) that forms during nitrosation of the fava bean (Vicia faba). Yang D, et al. **Carcinogenesis** 1984 Oct;5(10):1219–24

Mutagenicity of ambient aerosol collected in an urban and industrial area of The Netherlands. de Raat WK, et al. **Sci Total Environ** 1985 Jul;44(1):17–33

METABOLISM

Mutagens in cooked foods—metabolism and genetic toxicity. Felton JS, et al. **Adv Exp Med Biol** 1984;177:555–66

Toxicologic studies with lambs fed sugar beets grown on municipal sludge-amended soil: lowered relative hemoglobin in red blood cells and mutagens in blood and excreta. Telford JN, et al. **Am J Vet Res** 1984 Dec; 45(12):2490–4

Potential mutagenic activity of some vitamin preparations in the human gut. Mader JA, et al. **Appl Environ Microbiol** 1984 Oct;48(4):902–4

Metabolic activation of mutagenic N-hydroxyarylamines by O-acetyltransferase in Salmonella typhimurium TA98. Saito K, et al. **Arch Biochem Biophys** 1985 May 15; 239(1):286–95

Metabolic activation of 2-aminofluorene in the Salmonella mutagenicity assay by different S-9 preparations. Cantelli Forti G, et al. **Arch Toxicol [Suppl]** 1984;7:243–8

Erythrocyte-mediated metabolic activation detected by SCE.

Norppa H, et al. **Basic Life Sci** 1984;29 Pt B:547–59

Mutagenic activity of various chemicals in Salmonella strain TA100 and glutathione-deficient derivatives. On the role of glutathione in the detoxification or activation of mutagens inside bacterial cells. Kerklaan PR, et al. **Biochem Pharmacol** 1985 Jun 15;34(12):2151–6

Metabolism in vitro of tris(2,3-dibromopropyl)-phosphate: oxidative debromination and bis(2,3-dibromopropyl)phosphate formation as correlates of mutagenicity and covalent protein binding. Søderlund EJ, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):4017–23

Regiospecific and diastereoselective inactivation of mutagenic 9,10-dihydrobenzo[a]-pyrene 7,8-oxide by hepatic cytosolic glutathione S-transferase. Watabe T, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):4051–6

In vitro metabolic activation in genotoxicity assays with mammalian cell cultures. Belvedere G. **Boll Chim Farm** 1985 Feb;124(2):57–68

Mutagenicity of five arylamines after metabolic activation with isolated dog and human hepatocytes. Neis JM, et al. **Cancer Lett** 1985 May;27(1):53–60

Differential effects of 7,8-benzoflavone on polycyclic aromatic hydrocarbon dependent mutagenesis and cytotoxicity in a keratinocyte cell-mediated mutation assay. Reiners JJ Jr. **Cancer Lett** 1985 Mar;26(2):215–20

A comparison of the effect of selenium on the mutagenicity and metabolism of benzo[a]pyrene in rat and hamster liver S9 activation systems. Teel RW. **Cancer Lett** 1984 Oct; 24(3):281–9

Autoradiographic distribution of 14C-labeled 3H-imidazo[4,5-f]quinoline-2-amines in mice. Bergman K. **Cancer Res** 1985 Mar;45(3):1351–6

Prominent role of DT-diaphorase as a cellular mechanism reducing chromium(VI) and reverting its mutagenicity. De Flora S, et al. **Cancer Res** 1985 Jul;45(7):3188–96

Effect of bile salts on rates of formation, accumulation, and export of mutagenic metabolites from benzo(a)pyrene produced by the perfused rat liver. Kari FW, et al. **Cancer Res** 1985 Apr;45(4):1621–7

Characterization of mutagenic glucuronide formation from benzo(a)pyrene in the nonrecirculating perfused rat liver. Kari FW, et al. **Cancer Res** 1984 Nov;44(11):5073–8

Metabolism of 6-methylbenz[a]anthracene by rat liver microsomes and mutagenicity of metabolites. Mushtaq M, et al. **Cancer Res** 1985 Sep;45(9):4006–14

Specificity and inducibility of the metabolic reduction of chromium(VI) mutagenicity by subcellular fractions of rat tissues. Petrilli FL, et al. **Cancer Res** 1985 Jul;45(7):3179–87

Metabolism of 1-nitro[14C]pyrene in vivo in the rat and mutagenicity of urinary metabolites. Ball LM, et al. **Carcinogenesis** 1984 Dec;5(12):1557–64

Multiple metabolic pathways for the mutagenic activation of 3-nitrobenzo[a]pyrene. Chou MW, et al. **Carcinogenesis** 1985 Aug;6(8):1235–8

N-Nitroso-2-hydroxymorpholine, a mutagenic metabolite of N-nitrosodiethanolamine. Hecht SS. **Carcinogenesis** 1984 Dec;5(12):1745–7

Glutathione conjugation of the carcinogenic and mutagenic electrophile (+/-)-7 beta, 8 alpha-dihydroxy-9 alpha, 10 alpha-oxy-7,8,9,10-tetra hydrobenzo[a]pyrene catalyzed by purified rat liver glutathione transferases. Jernström B, et al. **Carcinogenesis** 1985 Jan;6(1):85–9

Possible involvement of a vicinal, non-bay-region dihydrodiol-epoxide in the activation of dibenzo[a,e]fluoranthene into bacterial mutagens. Malaveille C, et al. **Carcinogenesis** 1984 Oct;5(10):1263–6

Mutagenic activation of carcinogenic N-nitrosopropylamines by rat liver: evidence for a cytochrome P-450 dependent reaction. Mori Y, et al. **Carcinogenesis** 1985 Mar; 6(3):415–20

Cell-cell proximity is a parameter affecting the transfer of mutagenic polycyclic aromatic hydrocarbons between cells. Reiners JJ Jr, et al. **Carcinogenesis** 1985 May; 6(5):793–5

Enhancement of DNA binding and mutagenicity of 1-nitropyrene by zinc acetate in Salmonella typhimurium TA100. Sakai K, et al. **Carcinogenesis** 1985 Jan;6(1):59–64

DNA binding of N-hydroxy-Trp-P-2 and N-hydroxy-Glu-P-1 by acetyl-CoA dependent enzyme in mammalian liver cytosol. Shinohara A, et al. **Carcinogenesis** 1985 Feb;6(2):305–7

The formation of mutagenic derivatives of benzo[a]pyrene by peroxidising fatty acids. McNeill JM, et al. **Chem Biol Interact** 1985 Feb–Apr;53(1–2):197–207

Conversion of procarcinogens to mutagens by the S-9 fraction from the liver of rainbow trout (Salmo gairdneri): inducibility with PCB, 3-methylcholanthrene and phenobarbital and inhibition by metyrapone and alpha-naphthoflavone. Miyauchi M. **Comp Biochem Physiol [C]** 1984;79(2):363–7

Disposition of benzo(f)quinoline in male rats. Birnbaum LS, et al. **Drug Metab Dispos** 1985 Jan–Feb;13(1):18–24

Effect of chronic ethanol consumption on activation of nitrosopyrrolidine to a mutagen by rat upper alimentary tract, lung, and hepatic tissue. Farinati F, et al. **Drug Metab Dispos** 1985 Mar–Apr;13(2):210–4

Activation and inactivation of a variety of mutagenic compounds by the reconstituted system containing highly purified preparations of cytochrome P-450 from rat liver. Kawano S, et al. **Fundam Appl Toxicol** 1985 Jun;5(3):487–98

Species difference between rats and mice in activities of enzymes activating aromatic amines: effect of dietary 3-methoxy-4-aminoazobenzene. Degawa M, et al. **Gann** 1984 Nov;75(11):966–75

Absorption of 3-amino-1-methyl-5H-pyrido[4,3-b]indole, a mutagen-carcinogen present in tryptophan pyrolysate, from the gastro-intestinal tract in the rat. Kimura T, et al. **Gann** 1985 Apr;76(4):272–7

In vitro metabolism of N-nitrodialkylamines. Suzuki E, et al. **Gann** 1985 Jan;76(1):28–36

Biochemical and biological properties of prospective N-nitrodialkylamine metabolites and their derivatives. Frei E, et al. **IARC Sci Publ** 1984;(57):491–7

Effect of liver S9 from 3,4,5,3',4'-pentachlorobiphenyl-pretreated rats on the mutagenic activity of the various carcinogens toward Salmonella typhimurium TA 98. Ozawa N, et al. **J Pharmacobiodyn** 1985 Mar;8(3):199–205

Stereoselective metabolism of 8- and 9-fluorobenzo[a]pyrene by rat liver microsomes: absolute configurations of trans-dihydrodiol metabolites. Chou MW, et al. **J Toxicol Environ Health** 1984;14(2–3):211–23

Fate of the food mutagen 2-amino-3-methylimidazo[4,5-f]quinoline (IQ) in Sprague-Dawley rats. I. Mutagens in the urine. Barnes WS, et al. **Mutat Res** 1985 Apr–May;156(1–2):83–91

The formation of genotoxic metabolites of benzo[a]pyrene by the isolated perfused rat liver, as detected by the bioluminescence test. Ben-Itzhak J, et al. **Mutat Res** 1985 Jun;147(3):107–12

The prostaglandin H synthase-dependent activation of 2-aminofluorene to products mutagenic to S. typhimurium strains TA98 and TA98NR. Boyd JA, et al. **Mutat Res** 1985 Jul;143(3):187–90

Activation of N-acetoxy- and N-hydroxy-2-acetylaminofluorene to mutagenic and cytotoxic metabolites by V79 Chinese hamster cells. Glatt H, et al. **Mutat Res** 1985 Apr;149(2):265–9

1-Nitrosopyrene: an intermediate in the metabolic activation of 1-nitropyrene to a mutagen in Salmonella typhimurium TA1538. Heflich RH, et al. **Mutat Res** 1985 Mar; 149(1):25–32

Metabolism of 1-nitropyrene and 6-nitrobenzo(a)pyrene by intestinal microflora. Cerniglia CE. **Prog Clin Biol Res** 1985;181:133–7

Detoxification of genotoxic compounds as a threshold mechanism limiting their carcinogenicity. De Flora S. **Toxicol Pathol** 1984;12(4):337–43

Significance of various enzymes in the control of mutagenic and carcinogenic metabolites derived from aromatic structures. Oesch F. **Toxicol Pathol** 1984;12(4):391–6 (37 ref.)

Disposition in rats and mice of 7-methoxy-2-nitronaphtho[2,1-b]furan. Maurizis JC, et al. **Xenobiotica** 1985 Feb;15(2):141–8

Specificity of four forms of cytochrome P-450 in the metabolic activation of several aromatic amines and benzo[a]pyrene. Yamazoe Y, et al. **Xenobiotica** 1984 Jul; 14(7):549–52

[The participation of cytochrome P-450 in the formation of mutagenic and carcinogenic compounds and the use of this property in preventive medicine] Friedrich J, et al. **Pharmazie** 1985 Apr;40(4):228–32 (104 ref.) **(Ger)**

[Study on the possibility of mutagen formation in the rat feed containing butyl hydroxy anisol] Sakai A, et al. **Eisei Shikenjo Hokoku** 1984;(102):137–9 (Eng. Abstr.) **(Jpn)**

[The in vivo formation of mutagenic N-nitroso compounds from methamphetamine and ephedrine] Shimizu H, et al. **Nippon Eiseigaku Zasshi** 1984 Jun;39(2):573–80 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

SCE induction by indirect mutagens/carcinogens in metabolically active cultured mammalian cell lines. Abe S. **Basic Life Sci** 1984;29 Pt B:535–45

Sister chromatid exchange studies in the chick embryo and neonate: actions of mutagens in a developing system. Bloom SE. **Basic Life Sci** 1984;29 Pt B:509–33

Ethylene oxide and some factors affecting the mutagen sensitivity of sister chromatid exchange in humans. Garry VF, et al. **Basic Life Sci** 1984;29 Pt B:975–85

Accumulation of SCEs in lymphocytes during chronic ingestion of a mutagen. McFee AF, et al. **Basic Life Sci** 1984;29 Pt B:585–94

Interrelationships of SCEs, mutation at the HGPRT locus, and toxicity in Chinese hamster V79 cells. Nishi Y, et al. **Basic Life Sci** 1984;29 Pt A:361–84

Sensitivities of peripheral lymphocytes from healthy humans and cancer patients to induction of sister chromatid exchanges by genotoxicants. Oikawa A, et al. **Basic Life Sci** 1984;29 Pt B:813–23

Genotoxicity of antiamebic, anthelmintic, and antimycotic drugs in human lymphocytes. Ostrosky-Wegman P, et al. **Basic Life Sci** 1984;29 Pt B:915–25

The SCE test as a tool for cytogenetic monitoring of human exposure to occupational and environmental mutagens. Watanabe T, et al. **Basic Life Sci** 1984;29 Pt B:939–55

Statistical design, analysis, and inference issues in studies using sister chromatid exchange. Whorton EB Jr, et al. **Basic Life Sci** 1984;29 Pt A:431–40

Sex-dependent induction of hepatic enzymes for mutagenic activation of a tryptophan pyrolysate component, 3-amino-1,4-dimethyl-5H-pyrido[4,3-b]-indole, by feeding in mice. Degawa M, et al. **Cancer Res** 1985 Jan; 45(1):96–102

Effects of dietary fats and butylated hydroxytoluene on mutagen activation in rats. Ponder DL, et al. **Cancer Res** 1985 Feb;45(2):558–60

Genotoxicity of N-nitrosothiazolidine in microbial and hepatocellular test systems. Loury DJ, et al. **Food Chem Toxicol** 1984 Dec;22(12):1013–4

Ethylnitrosourea mutagenesis and the isolation of mutant alleles for specific genes located in the T region of mouse chromosome 17. Bode VC. **Genetics** 1984 Oct; 108(2):457–70

Dose-response relationships for mutations induced in E. coli by some model compounds. With an addendum: Reaction kinetics in water of chloroethylene oxide, chloroacetaldehyde, and chloroacetone. Hussain S, et al. **Hereditas** 1984;101(1):57–68

Transfection assay test system: assay of four chemical mutagens. Mahna SK. **Indian J Exp Biol** 1984 Jun; 22(6):338–9

Inhibition of in vitro DNA synthesis by metepa—an aziridinyl alkylating agent. Saxena DM, et al. **Indian J Exp Biol** 1984 Aug;22(8):453–4

1,6-Dinitropyrene: mutagenicity in Salmonella and carcinogenicity in BALB/c mice. Tokiwa H, et al. **JNCI** 1984 Dec;73(6):1359–63

UV and chemical mutagenesis in rev7 mutants of yeast. Lawrence CW, et al. **MGG** 1985;200(1):86–91

Use of a human X mouse hybrid cell line to detect aneuploidy induced by environmental chemicals. Athwal RS, et al. **Mutat Res** 1985 Mar;149(1):73–81

Mutagenicity testing with TA97 and TA102 of 30 DNA-damaging compounds, negative with other Salmonella strains. De Flora S, et al. **Mutat Res** 1984 Sep–Nov;134(2–3):159–65

Mammalian cell DNA damage by some heterocyclic food mutagens is correlated with their potency in the Ames test. Dolara P, et al. **Mutat Res** 1985 Sep;144(1):57–8

NADPH-generating system: influence on microsomal mono-oxygenase stability during incubation for the liver-microsomal assay with rat and mouse S9 fractions. Forti GC, et al. **Mutat Res** 1984 Dec;129(3):281–97

A pilot experiment for the micronucleus test. The multi-sampling at multi-dose levels method. Hayashi M, et al. **Mutat Res** 1984 Nov–Dec;141(3–4):165–9

Genetic duplications in bacteria and their relevance for genetic toxicology. Hoffman GR. **Mutat Res** 1985 Jun–Jul; 150(1–2):107–17

The quantitative structure-activity relationship approach to the mutagenicity of N-nitrosomethylaniline compounds. Jinno K. **Mutat Res** 1984 Nov–Dec;141(3–4):141–3

A dual assay for the specific screening of 3-methylcholanthrene- and phenobarbital-like chemical inducers of cytochrome P-450 monooxygenases. Lesca P, et al. **Mutat Res** 1984 Dec;129(3):299–310

Tradescantia-Micronucleus (Trad-MCN) tests on 140 health-related agents. Ma TH, et al. **Mutat Res** 1984 Nov–Dec;138(2–3):157–67

Protective effect of R-factor plasmid pKM101 on lethal damage by UV and chemical mutagens in E. coli strains with different DNA-repairing capacities. Nunoshiba T, et al. **Mutat Res** 1984 Nov–Dec;141(3–4):135–9

Endogenous activation by indirect muta-carcinogens and DNA-repair synthesis in mouse-lung fibroblast cultures. Schmitt M, et al. **Mutat Res** 1984 Nov–Dec; 132(5–6):197–201

Mutagenic/carcinogenic agents in indoor pollutants; the dinitropyrenes generated by kerosene heaters and fuel gas and liquefied petroleum gas burners. Tokiwa H, et al. **Mutat Res** 1985 Jul;157(1):39–47

Genotoxicity of formaldehyde in cultured human bronchial fibroblasts. Grafstrom RC, et al. **Science** 1985 Apr 5; 228(4695):89–91

Increase in clonal variation in Chinese hamster ovary cells after treatment with mutagens. Zdzienicka M, et al. **Somatic Cell Mol Genet** 1985 Mar;11(2):127–34

[Effects of oxidants and antioxidants on chromosome breaks in Fanconi's anemia] Porfirio B, et al. **Pathologica** 1983;75 Suppl:296–300 **(Ita)**

[Mutagenic and carcinogenic action of antimicrobial surface-active substances] Krivoshein IuS, et al. **Antibiotiki** 1984 Jul;29(7):519–27 (Eng. Abstr.) **(Rus)**

[Oligonucleotide-directed mutagenesis. The introduction of point mutations (transitions, deletions, insertions) in the beta-galactosidase gene] Petrenko VA, et al. **Dokl Akad Nauk SSSR** 1985;281(2):476–81 **(Rus)**

[Molecular nature of the direct mutations induced by 4-nitro-quinoline-N-oxide and 3-methyl-4-nitroquinoline-N-oxide in the ADE2 gene of Saccharomyces cerevisiae] Kasinova GV, et al. **Genetika** 1985 Jun;21(6):914–8 (Eng. Abstr.) **(Rus)**

[Sensitivity of the lymphocyte chromosomes of chronic alcoholism patients to mutagenic exposure] Seleznev IuV, et al. **Genetika** 1985 Apr;21(4):676–9 (Eng. Abstr.) **(Rus)**

[Choice of mouse lines for the testing of chemical mutagens] Malashenko AM, et al. **Genetika (Moskva)** 1984 Aug; 20(8):1289–94 (Eng. Abstr.) **(Rus)**

[Genetic activity of base analogs in Salmonella typhimurium and Escherichia coli and Saccharomyces cerevisiae] Pavlov IuI, et al. **Genetika (Moskva)** 1984 Aug;20(8):1270–8 (Eng. Abstr.) **(Rus)**

[Role of lipids in the mutagenic activity of nitrosoalkylureas]

Danilenko II. **Izv Akad Nauk SSSR [Biol]** 1985 Mar-Apr;(2):298-301 (Eng. Abstr.) (Rus)

[Comparison of rapid test systems for detecting the carcinogenic and mutagenic activity of chemical compounds] Zakharov IA, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Sep-Oct;(5):729-45 (Eng. Abstr.) (Rus)

[The Soviet antimalarial preparation dabequine studied for the presence of mutagenic activity] Frol'tsova AE, et al. **Med Parazitol (Mosk)** 1984 Jul-Aug;(4):16-21 (Eng. Abstr.) (Rus)

[Incidence of chromosome aberrations in hothouse workers and the in vitro sensitivity of their lymphocytes to the cytogenetic action of dimatif] Pilinskaia MA. **Tsitol Genet** 1985 Mar-Apr;19(2):124-8 (Eng. Abstr.) (Rus)

[Comparison of the level of sister chromatid exchanges and chromosome aberrations induced by chemical mutagens in vitro and in vivo] Shcheglova EG, et al. **Tsitol Genet** 1985 Jan-Feb;19(1):20-3 (Eng. Abstr.) (Rus)

[Modification of the cytogenetic effect of dioxidine in experimental alloxan diabetes in rats] Zolotareva GN, et al. **Tsitol Genet** 1985 Jan-Feb;19(1):24-6 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Mutagenicity arising from near-ultraviolet irradiation of N-nitrosomorpholine. Shimada H, et al. **Mutat Res** 1985 Jul;143(3):165-8

Mutagenic activation of 2-aminofluorene by fluorescent light. White GL, et al. **Teratogenesis Carcinog Mutagen** 1985;5(1):63-73

TOXICITY

The role of genotoxic carcinogens and of promoters in carcinogenesis and in human cancer causation. Weisburger JH, et al. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 2:53-68 (67 ref.)

Design of a limited-access facility and safety program for a genetic toxicology laboratory. Inmon J, et al. **Am Ind Hyg Assoc J** 1985 Jun;46(6):303-7

Cytogenetic effects of lead acetate on rat bone marrow cells. Tachi K, et al. **Arch Environ Health** 1985 May-Jun;40(3):144-7

Toxic and mutagenic influences on spermatogenesis. Parvinen M, et al. **Arch Toxicol [Suppl]** 1984;7:128-39

Mutation in single-cell systems induced by low-level mutagen exposure. Liber HL, et al. **Basic Life Sci** 1985;33:169-204

Pleiotropic mutants of Chinese hamster cells with altered cytidine 5'-triphosphate synthetase. Chu EH, et al. **Biochem Genet** 1984 Aug;22(7-8):701-15

Absence of carcinogenicity of 1-nitropyrene, correction of previous results, and new demonstration of carcinogenicity of 1,6-dinitropyrene in rats. Ohgaki H, et al. **Cancer Lett** 1985 Jan;25(3):239-45

Mutagenicity of cyclopenta-fused isomers of benz(a)anthracene in bacterial and rodent cells and identification of the major rat liver microsomal metabolites. Nesnow S, et al. **Cancer Res** 1984 Nov;44(11):4993-5003

Development of a standard protocol for in vitro cytogenetic testing with Chinese hamster ovary cells: comparison of results for 22 compounds in two laboratories. Galloway SM, et al. **Environ Mutagen** 1985;7(1):1-51

Mutagenicity of lichen constituents. Shibamoto T, et al. **Environ Mutagen** 1984;6(5):757-62

Effects of some DNA-ligands and of some mutagenic compounds on the induction of meiotic disomic or diploid yeast products. Sora S. **Environ Mutagen** 1985;7(1):121-8

A review of the International Symposium on Sister Chromatid Exchanges: twenty-five years of experimental research. Tice RR, et al. **Environ Mutagen** 1984;6(5):737-52

Suppressive effects of chemicals in mixture on the Salmonella plate test response in the absence of apparent toxicity. Zeiger E, et al. **Environ Mutagen** 1984;6(5):683-94

Chemical mutagenesis testing in Drosophila. II. Results of 20 coded compounds tested for the National Toxicology Program. Zimmering S, et al. **Environ Mutagen** 1985;7(1):87-100

Investigations on the mutagenicity of two organomercurial pesticides, Ceresan and Agallol 3, in Drosophila melanogaster. Gayathri MV, et al. **Environ Res** 1985 Feb;36(1):218-29

DNA damage and repair tests for the detection of genotoxic agents. Williams GM. **Food Addit Contam** 1984 Apr-Jun;1(2):173-8

A carcinogenicity study with mutagenic organic concentrates of drinking-water in the Netherlands. Kool HJ, et al. **Food Chem Toxicol** 1985 Jan;23(1):79-85

Effects of using liver fractions from different mammals, including man, on results of mutagenicity assays in Salmonella typhimurium. Le J, et al. **Food Chem Toxicol** 1985 Jul;23(7):695-700

Genetic analysis of resistance to benzimidazoles in Physarum: differential expression of beta-tubulin genes. Burland TG, et al. **Genetics** 1984 Sep;108(1):123-41

Chloracetamide-N-metholol: an example of an in vitro and in vivo clastogen which is non-mutagenic to Salmonella. Ashby J, et al. **Mutat Res** 1985 Apr-May;156(1-2):19-32

The direct mutagenic activity of alpha, omega-dihalogenoalkanes in Salmonella typhimurium. Strong correlation between chemical properties and mutagenic activity. Buijs W, et al. **Mutat Res** 1984 Sep;141(1):11-4

Plant tissue culture as a model system for mutagenicity testing of chemicals. Kallak HI, et al. **Mutat Res** 1985 Feb-Apr;147(1-2):51-7

Induction of sister-chromatid exchange (SCE) and cell-cycle inhibition in mouse peripheral blood B lymphocytes exposed to mutagenic carcinogens in vivo. Kligerman AD, et al. **Mutat Res** 1985 Aug-Sep;157(2-3):181-7

A quantitative analysis of the cytotoxic action of chemical mutagens. Leenhouts HP, et al. **Mutat Res** 1984 Dec;129(3):345-57

Differences in the induction of SCEs between human whole blood cultures and purified lymphocyte cultures and the effect of an S9 mix. Mehnert K, et al. **Mutat Res** 1984 Dec;130(6):403-10

The SOS Chromotest, a colorimetric bacterial assay for genotoxins: validation study with 83 compounds. Quillardet P, et al. **Mutat Res** 1985 Jun;147(3):79-95

The human lymphocyte in vitro cytogenetic assay: positive and negative control observations on approximately 30000 cells. Richardson CR, et al. **Mutat Res** 1984 Sep;141(1):59-64

Assembling a battery of assays to predict carcinogenicity: a case study. Rosenkranz HS, et al. **Mutat Res** 1984 Sep;141(1):65-8

A report of the U.S. Environmental Protection Agency Gene-Tox Program. Evaluation of mutagenicity assays for purposes of genetic risk assessment. Russell LB, et al. **Mutat Res** 1984 Sep-Nov;134(2-3):143-57

Report of the conference on DNA adducts: dosimeters to monitor human exposure to environmental mutagens and carcinogens. Sheridan W, et al. **Mutat Res** 1985 Feb-Apr;147(1-2):59-63

Naphthofurans induced chromosomal aberrations detected in metaphase, anaphase and telophase V79 Chinese hamster cells. Venegas W, et al. **Mutat Res** 1985 Jul;157(1):53-62

Comparison of DNA-repair synthesis, chromosome aberrations and induction of micronuclei in cultured human fibroblasts, Chinese hamster ovary and central mudminnow (Umbra limi) cells exposed to chemical mutagens. Walton DG, et al. **Mutat Res** 1984 Oct;129(1):129-36

Genotoxicity studies with mineral oils; effects of oils on the microbial mutagenicity of precursor mutagens and genotoxic metabolites. Watson WP, et al. **Mutat Res** 1985 Apr;149(2):159-70

Differential mutagenic activity of IQ (2-amino-3-methylimidazo[4,5-f]quinoline) in Salmonella typhimurium strains in vitro and in vivo, in Drosophila, and in mice. Wild D, et al. **Mutat Res** 1985 Apr-May;156(1-2):93-102

Mechanism of potentiation by caffeine of genotoxic damage induced by physical and chemical agents. Roberts JJ. **Nucleic Acids Symp Ser** 1984;(13):193-215

An investigation of the role of microsomal oxidative metabolism in the in vivo genotoxicity of 1,2-dichloroethane. Storer RD, et al. **Toxicol Appl Pharmacol** 1985 Jan;77(1):36-46

Reproductive effects of inhaled methyl chloride in the male Fischer 344 rat. I. Mating performance and dominant lethal assay. Working PK, et al. **Toxicol Appl Pharmacol** 1985 Jan;77(1):133-43

Genotoxic potential of acephate technical: in vitro and in vivo effects. Carver JH, et al. **Toxicology** 1985 May;35(2):125-42

[Use of in-vitro treated human blood cells for the detection of the potential genotoxicity of chemical agents] Ros Y. **Arch Belg** 1984;42(5-6):325-38 (Eng. Abstr.) (Fre)

URINE

Mutagenicity studies in a tyre plant: in vitro activity of workers' urinary concentrates and raw materials. Crebelli R, et al. **Br J Ind Med** 1985 Jul;42(7):481-7

Mutagenicity of human urine caused by ingestion of fried ground beef. Hayatsu H, et al. **Gann** 1985 Jun;76(6):445-8

Urinary excretion of frameshift mutagens in rats caused by passive smoking. Mohtashamipur E, et al. **J Cancer Res Clin Oncol** 1984;108(3):296-301

Sorption of organic compounds from urine in mutagenicity testing: choice of sorbent. De Raat WK, et al. **J Chromatogr** 1984 Sep 14;310(1):41-9

Sister-chromatid exchanges in lymphocytes and mutagenicity in urine of nurses handling cytostatic drugs. Barale R, et al. **Mutat Res** 1985 Aug-Sep;157(2-3):235-40

The kinetics of mutagen excretion in the urine of cigarette smokers. Kado NY, et al. **Mutat Res** 1985 Aug-Sep;157(2-3):227-33

Dietary factors affecting the urinary mutagenicity assay system. II. The absence of mutagenic activity in human urine following consumption of red wine or grape juice. Sousa J, et al. **Mutat Res** 1985 Jun;156(3):171-6

The urine mutagenicity assay system. Studies related to recovery, storage and concentration procedures. Ong TM, et al. **Scand J Work Environ Health** 1985 Feb;11(1):45-50

Evaluation of concentration procedures of mutagenic metabolites from urine of diesel particulate-treated rats. Belisario MA, et al. **Toxicol Lett** 1985 Apr;25(1):81-8

Methods for measuring mutagenicity in urine of rats dosed with [14C]di(2-ethylhexyl)phthalate. Barber ED, et al. **Toxicology** 1985 Mar 15;34(3):231-45

Bacterial mutagenicity testing of urine from rats dosed with 2-ethylhexanol derived plasticizers. DiVincenzo GD, et al. **Toxicology** 1985 Mar 15;34(3):247-59

[The possible mutagenic effect of cytostatics on nurses at an oncologic department (letter)] Larsen H, et al. **Ugeskr Laeger** 1984 Oct 8;146(41):3135-7 (Dan)

MUTATION

Possible role of lincomycin-therapy in the genetic alteration of a staphylococcus epidemic population. Barcs I, et al. **Acta Microbiol Hung** 1984;31(3):173-8

Mutagens in cooked foods—metabolism and genetic toxicity. Felton JS, et al. **Adv Exp Med Biol** 1984;177:555-66

Naturally occurring phenolics as antimutagenic and anticarcinogenic agents. Stich HF, et al. **Adv Exp Med Biol** 1984;177:1-29 (115 ref.)

Mutation in human populations. Crow JF, et al. **Adv Hum Genet** 1985;14:59-123 (145 ref.)

Mutations of apolipoprotein AI can affect cofactor function for cholesteryl ester formation by lecithin: cholesterol acyltransferase. Steinmetz A, et al. **Agents Actions [Suppl]** 1984;16:217-24

Human liver alcohol dehydrogenase: the unique properties of the 'atypical' isoenzyme beta 2 beta 2-Bern can be explained by a single base mutation. Bühler R, et al. **Alcohol** 1985 Jan-Feb;2(1):47-51

Gaucher disease types 1, 2, and 3: differential mutations of the acid beta-glucosidase active site identified with conduritol B epoxide derivatives and sphingosine. Grabowski GA, et al. **Am J Hum Genet** 1985 May;37(3):499-510

Melanesians and Polynesians share a unique alpha-thalassemia mutation. Hill AV, et al. **Am J Hum Genet** 1985 May;37(3):571-80

Mapping DNA sequences in a human X-chromosome deletion which extends across the region of the Duchenne muscular dystrophy mutation. Ingle C, et al. **Am J Hum Genet** 1985 May;37(3):451-62

Cystic fibrosis: mutations at more than one locus? [letter] Warwick WJ. **Am J Hum Genet** 1984 Nov;36(6):1399-400

In vivo alteration of a mutant human protein using the free thiol cysteamine. Gahl WA, et al. **Am J Med Genet** 1985 Feb;20(2):409-17

X-linked syndrome of branchial arch and other defects. Toriello HV, et al. **Am J Med Genet** 1985 May;21(1):137-42

A genetic model of dental reduction through the probable mutation effect. McKee JK. **Am J Phys Anthropol** 1984 Nov;65(3):231-41

Attenuated properties of thymidine kinase-negative deletion mutant of pseudorabies virus. Kit S, et al. **Am J Vet Res** 1985 Jun;46(6):1359-67

M13 clones carrying point mutations: identification by solution hybridization. Hobden AN, et al. **Anal Biochem** 1985 Jan;144(1):75-8

Primer-directed mutagenesis of linearized plasmids. Hollenberg SM, et al. **Anal Biochem** 1984 Dec;143(2):341-9

Estimation of relative electrophoretic mutation rates from rare alleles in a sample. Chakraborty R, et al. **Ann Hum Biol** 1984 Nov-Dec;11(6):509-14

Mutation and selection in the marker (X) syndrome. A hypothesis. Vogel F. **Ann Hum Genet** 1984 Oct;48 (Pt 4):327-32

Somatic mutation alters affinity and specificity. Diamond B, et al. **Ann Inst Pasteur Immunol** 1985 Mar-Apr;136C(2):267-71 (13 ref.)

Morphological and cell wall alterations in thermosensitive DNA mutants of Bacillus subtilis. Viret JF, et al. **Ann Inst Pasteur Microbiol** 1985 Jan-Feb;136A(1):119-29

Cell wall turnover in lyt mutants of Bacillus subtilis. Vitkovic L. **Ann Inst Pasteur Microbiol** 1985 Jan-Feb;136A(1):67-72

Metabolism of structurally abnormal mRNAs resulting from beta-thalassemia mutations. Benz EJ Jr, et al. **Ann NY Acad Sci** 1985;445:57-67

Molecular analysis of deletion and nondeletion hereditary persistence of fetal hemoglobin and identification of a new mutation causing beta-thalassemia. Feingold EA, et al. **Ann NY Acad Sci** 1985;445:159-69

Genetic analysis of mammalian spermatogenesis: use of the t complex in the mouse in studies of spermatogenesis and sperm function. Olds-Clarke P. **Ann NY Acad Sci** 1984;438:206-16

Exclusion of the alpha 1(II) collagen structural gene as the mutant locus in type II Ehlers-Danlos syndrome. Wordsworth P, et al. **Ann Rheum Dis** 1985 Jul;44(7):431-3

The genetics of the gonococcus. Cannon JG, et al. **Annu Rev Microbiol** 1984;38:111-33 (185 ref.)

Monoclonal antibodies: a powerful tool for selecting and analyzing mutations in antigens and antibodies. Pollock RR, et al. **Annu Rev Microbiol** 1984;38:389-417 (151 ref.)

Gibberella fujikuroi mutants obtained with UV radiation and N-methyl-N'-nitro-N-nitrosoguanidine. Avalos J, et al. **Appl Environ Microbiol** 1985 Jan;49(1):187-91

Production of D- and L-xylulose by mutants of Klebsiella pneumoniae and Erwinia uredovora. Doten RC, et al. **Appl Environ Microbiol** 1985 Jan;49(1):158-62

Gas chromatographic assay for in vitro complementation of Pseudomonas aeruginosa mutants deficient in nitrate reduction. Hernandez D, et al. **Appl Environ Microbiol** 1985 Jan;49(1):24-7

Mutants of Pseudomonas aeruginosa unable to inactivate allantoinase and NADP-dependent glutamate dehydrogenase. Smits RA, et al. **Arch Microbiol** 1984 Nov;

140(1):40–3

Mutation frequency in nurses and pharmacists working with cytotoxic drugs. Chrysostomou A, et al. **Aust NZ J Med** 1984 Dec;14(6):831–4

In vitro and in vivo studies with an avian reovirus derived from a temperature-sensitive mutant clone. Haffer K. **Avian Dis** 1984 Jul–Sep;28(3):669–76

Risk estimate for genetic effects. Abrahamson S. **Basic Life Sci** 1985;33:223–50

Induction of mutation and chromosome damage by excess bases and nucleosides. Anderson D. **Basic Life Sci** 1985; 31:283–95

Bromodeoxyuridine mutagenesis and deoxyribonucleotide pool imbalance in mammalian cells. Ashman CR, et al. **Basic Life Sci** 1985;31:391–408 (21 ref.)

Mutation induction by excess deoxyribonucleotides in Saccharomyces cerevisiae. Brendel M. **Basic Life Sci** 1985; 31:425–34

Mutagenicity of 2-aminopurine, 6-N-hydroxylaminopurine, and 2-amino-N6-hydroxyadenine in Neurospora crassa. de Serres FJ, et al. **Basic Life Sci** 1985;31:381–9 (16 ref.)

Viewing the complexities of mutagenesis from an evolutionary perspective. Drake JW. **Basic Life Sci** 1985; 31:335–8

Cytogenetic and allied studies in populations exposed to radiations and chemical agents. Evans HJ. **Basic Life Sci** 1985;33:429–51

The effects of pyrimidine nucleotides on alkylating agent induced cytotoxicity and spontaneous and induced mutation to purine analog resistance in V79 cells. Fox M. **Basic Life Sci** 1985;31:435–51

2-Aminopurine mutagenesis in Escherichia coli. Glickman BW. **Basic Life Sci** 1985;31:353–79 (67 ref.)

The biochemical basis of 5-bromouracil- and 2-aminopurine-induced mutagenesis. Goodman MF, et al. **Basic Life Sci** 1985;31:409–23

Molecular mechanisms in genetic stability and change: the role of deoxyribonucleotide pool balance. Haynes RH. **Basic Life Sci** 1985;31:1–23 (53 ref.)

Where the future? Part I--Round table discussion. Haynes RH. **Basic Life Sci** 1985;33:455–68

Induction of mitochondrial mutations in human cells by methotrexate. Hoar DI, et al. **Basic Life Sci** 1985;31:265–82

The control of mutagenesis and cell differentiation in cultured human and rodent cells by chemicals that initiate or promote tumor formation. Huberman E, et al. **Basic Life Sci** 1985;33:77–100

Thymineless mutagenesis in bacteria. Kunz BA. **Basic Life Sci** 1985;31:189–209

Low-level exposures to chemical carcinogens: mutational end points. Lee WR. **Basic Life Sci** 1985;33:319–28

Mutation in single-cell systems induced by low-level mutagen exposure. Liber HL, et al. **Basic Life Sci** 1985; 33:169–204

Prospects for cellular mutational assays in human populations. Mendelsohn ML. **Basic Life Sci** 1985; 33:415–27

The genetic consequences of the Thy- mutation to CHO cells. Meuth M, et al. **Basic Life Sci** 1985;31:297–312 (24 ref.)

Relationships between specific DNA adducts, mutation, cell survival, and SCE formation. Morris SM, et al. **Basic Life Sci** 1984;29 Pt A:353–60

Response of CHO cell DNA polymerase alpha to dCTP and dTTP pool imbalance: relation to DNA synthesis inhibition, survival and mutation. Newman CN, et al. **Basic Life Sci** 1985;31:127–48

Interrelationships of SCEs, mutation at the HGPRT locus, and toxicity in Chinese hamster V79 cells. Nishi Y, et al. **Basic Life Sci** 1984;29 Pt A:361–84

Deoxyribonucleoside-induced selective modulation of cytotoxicity and mutagenesis. Peterson AR, et al. **Basic Life Sci** 1985;31:313–34 (42 ref.)

Construction of Co1E1 RNA1 mutants and analysis of their function in vivo. Polisky B, et al. **Basic Life Sci** 1985; 30:321–33

Thymineless death and genetic events in mammalian cells. Seno T, et al. **Basic Life Sci** 1985;31:241–63 (41 ref.)

Mutagenesis by incorporation of alkylated nucleotides. Topal MD. **Basic Life Sci** 1985;31:339–51 (27 ref.)

Isolation and characterization of yeast mutants blocked in mevalonic acid formation. Servouse M, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):424–30

Pleiotropic mutants of Chinese hamster cells with altered cytidine 5'-triphosphate synthetase. Chu EH, et al. **Biochem Genet** 1984 Aug;22(7–8):701–15

Zein synthesis in the embryo and endosperm of maize mutants. Lee L, et al. **Biochem Genet** 1984 Aug; 22(7–8):729–37

The kinetics and feedback inhibition of cytidine 5'-triphosphate synthetase in wild-type and mutant Chinese hamster cells. McLaren JD, et al. **Biochem Genet** 1984 Aug; 22(7–8):717–27

Electrophoretic analysis of proteins from night-blind mutants of Phycomyces. Pollock JA, et al. **Biochem Genet** 1985 Jun;23(5–6):379–90

Neurospora glucamylase and a mutant affected in its regulation. Sigmund RD, et al. **Biochem Genet** 1985 Feb; 23(1–2):89–103

Yolk polypeptide gene expression in Minute Drosophila females. Walker VK. **Biochem Genet** 1985 Jun; 23(5–6):363–78

Phosphorylation of membrane proteins in monensin-resistant mutant of Chinese hamster ovary cell with altered insulin-receptor activity. Ono M, et al. **Biochem Int** 1984 Sep;9(3):369–77

Ribosomes from a relC mutant strain of Escherichia coli show altered activity with bacterial release factor-1. Ward CD, et al. **Biochem Int** 1985 Jun;10(6):855–61

Functional and immunochemical characterization of a mutant of Escherichia coli energy uncoupled for lactose transport. Herzlinger D, et al. **Biochemistry** 1985 Jan 1;24(1):221–9

Expression of histone genes in a G1-specific temperature-sensitive mutant of the cell cycle. Hirschhorn RR, et al. **Biochemistry** 1984 Jul 31;23(16):3731–5

Molecular mechanisms of chemical mutagenesis: 9-aminoacridine inhibits DNA replication in vitro by destabilizing the DNA growing point and interacting with the DNA polymerase. Topal MD. **Biochemistry** 1984 May 22;23(11):2367–72

Function and structure of microvirid phage alpha 3 genome. DNA sequence of H gene and properties of missense H mutant. Kodaira K, et al. **Biochim Biophys Acta** 1985 Jun 24;825(2):255–60

Function and structure of microvirid phage alpha 3 genome. II. Isolation and properties of various mutants of alpha 3. Kodaira K, et al. **Biochim Biophys Acta** 1984 Nov 22; 783(2):171–8

A temperature-sensitive Chinese hamster ovary cell mutant pleiotropically defective in protein export. Nakano A, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):324–32

A novel type of Chinese hamster ovary cell mutant defective in oligosaccharide-lipid synthesis. Nakano A, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):507–10

Effect of mutants and inhibitors on mitochondrial transport systems in vivo in yeast. Wills C, et al. **Biochim Biophys Acta** 1984 Nov 21;778(1):57–66

The two-hit theory of neoplasia: implications for the pathogenesis of hyperparathyroidism. Jackson CE. **Cancer Genet Cytogenet** 1985 Jan 1;14(1–2):175–8

Mutagenic effects of DNA-containing oncogenic viruses and malignant transformation of mammalian cells. Shapiro NI, et al. **Cancer Genet Cytogenet** 1984 Oct;13(2):167–79

Mammalian SOS system: a case of misplaced analogies. Rossman TG, et al. **Cancer Invest** 1985;3(2):175–87 (126 ref.)

Formation of mutagens in cooked foods. VI. Modulation of mutagen formation by iron and ethylenediaminetetracetic acid (EDTA) in fried beef. Barnes WS, et al. **Cancer Lett** 1984 Sep;24(2):221–6

Effect of hypolipidemic peroxisome proliferators on unscheduled DNA synthesis in cultured hepatocytes and on mutagenesis in Salmonella. Glauert HP, et al. **Cancer Lett** 1984 Sep;24(2):147–56

In vitro short-term testing systems as prescreens for potential carcinogens: simultaneous detection of sister chromatid exchanges and mutation response in a cell-mediated assay with V79 cells. Nayak BN, et al. **Cancer Lett** 1985 May; 27(1):71–9

Lack of induction of sister chromatid exchanges and of mutation to 6-thioguanine resistance in V79 cells by butylated hydroxyanisole with and without activation by rat or hamster hepatocytes. Rogers CG, et al. **Cancer Lett** 1985 May;27(1):61–9

Isolation and characterization of a deoxycytidine kinase-deficient human promyelocytic leukemic cell line highly resistant to 1-beta-D- arabinofuranosylcytosine. Bhalla K, et al. **Cancer Res** 1984 Nov;44(11):5029–37

Mutation at separate gene loci in Salmonella typhimurium TA100 related to DNA nucleotide modification by stereoisomeric benzo(a)pyrene 7,8-diol-9,10-epoxides. Burgess JA, et al. **Cancer Res** 1985 Sep;45(9):4257–62

Increased mutation frequency following treatment with cancer chemotherapy. Dempsey JL, et al. **Cancer Res** 1985 Jun;45(6):2873–7

Defective DNA cross-link removal in Chinese hamster cell mutants hypersensitive to bifunctional alkylating agents. Hoy CA, et al. **Cancer Res** 1985 Apr;45(4):1737–43

Mutagenicity of cyclopenta-fused isomers of benz(a)anthracene in bacterial and rodent cells and identification of the major rat liver microsomal metabolites. Nesnow S, et al. **Cancer Res** 1984 Nov;44(11):4993–5003

Correlation of asbestos-induced cytogenetic effects with cell transformation of Syrian hamster embryo cells in culture. Oshimura M, et al. **Cancer Res** 1984 Nov;44(11):5017–22

Correlations between intercalator-induced DNA strand breaks and sister chromatid exchanges, mutations, and cytotoxicity in Chinese hamster cells. Pommier Y, et al. **Cancer Res** 1985 Jul;45(7):3143–9

Mutagenic and chemotherapeutic activity in L1210 leukemia of several monofunctional alkylating agents. Schmid FA, et al. **Cancer Res** 1985 Jan;45(1):40–4

Structure-activity relationship of anthracycline-induced genotoxicity in vitro. Westendorf J, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5599–604

Correlation of frequency of induced mutation and metastatic potential in tumor cell lines from a single mouse mammary tumor. Yamashina K, et al. **Cancer Res** 1985 Sep; 45(9):4015–9

The role of DNA-repair processes in N-nitrosopyrrolidine-induced mutagenesis. Alldrick AJ, et al. **Carcinogenesis** 1985 Jan;6(1):105–8

Mutagenicity and tumor initiating activity of methylated benzo[b]fluoranthenes. Amin S, et al. **Carcinogenesis** 1985 Jul;6(7):1023–5

Correlation between O6-methylguanine-DNA-methyltransferase activity and resistance of human cells to the cytotoxic and mutagenic effect of N-methyl-N'-nitro-N-nitrosoguanidine. Domoradzki J, et al. **Carcinogenesis** 1984 Dec;5(12):1641–7

Use of a reversion assay HGPRT- to HGPRT+ to demonstrate mutagenic adaptation in V79 Chinese hamster cells. Fox M, et al. **Carcinogenesis** 1984 Nov;5(11):1531–2

The radioprotector WR1065 reduces radiation-induced mutations at the hypoxanthine-guanine phosphoribosyl transferase locus in V79 cells. Grdina DJ, et al. **Carcinogenesis** 1985 Jun;6(6):929–31

Benzo[a]pyrene-DNA adduct formation in target and activator cells in a Wistar rat embryo cell-mediated V79 cell mutation assay. Sebti SM, et al. **Carcinogenesis** 1985 Jul;6(7):983–8

Repair of lethal, mutagenic and transforming damage induced by X-rays in golden hamster embryo cells. Watanabe M, et al. **Carcinogenesis** 1984 Oct;5(10):1293–9

Mutagenicity of urine and faeces after treatment of rats with known genotoxins. Willems MI, et al. **Carcinogenesis** 1985 Jul;6(7):967–76

T-cell receptors generated via mutations are specific for various major histocompatibility antigens. Augustin AA, et al. **Cell** 1984 Nov;39(1):5–12

Ts mutants of E26 leukemia virus allow transformed myeloblasts, but not erythroblasts or fibroblasts, to differentiate at the nonpermissive temperature. Beug H, et al. **Cell** 1984 Dec;39(3 Pt 2):579–88

Evidence that two mutations, wDZL and z1, affecting synapsis-dependent genetic behavior of white are transcriptional regulatory mutations. Bingham PM, et al. **Cell** 1985 Apr;40(4):819–25

Conformational change in the DNA associated with an unusual promoter mutation in a tRNA operon of Salmonella. Bossi L, et al. **Cell** 1984 Dec;39(3 Pt 2):643–52

The use of double mutants to detect structural changes in the active site of the tyrosyl-tRNA synthetase (Bacillus stearothermophilus). Carter PJ, et al. **Cell** 1984 Oct; 38(3):835–40

Mutations of the heat inducible 70 kilodalton genes of yeast confer temperature sensitive growth. Craig EA, et al. **Cell** 1984 Oct;38(3):841–9

Fusion mutants of the influenza virus hemagglutinin glycoprotein. Daniels RS, et al. **Cell** 1985 Feb;40(2):431–9

Symbiotic mutants of Rhizobium meliloti that uncouple plant from bacterial differentiation. Finan TM, et al. **Cell** 1985 Apr;40(4):869–77

A 43 kilobase cosmid P transposon rescues the fs(1)K10 morphogenetic locus and three adjacent Drosophila developmental mutants. Haenlin M, et al. **Cell** 1985 Apr; 40(4):827–37

The NDA3 gene of fission yeast encodes beta-tubulin: a cold-sensitive nda3 mutation reversibly blocks spindle formation and chromosome movement in mitosis. Hiraoka Y, et al. **Cell** 1984 Dec;39(2 Pt 1):349–58

A nonsense mutation within the act88F actin gene disrupts myofibril formation in Drosophila indirect flight muscles. Karlik CC, et al. **Cell** 1984 Oct;38(3):711–9

Length determination in bacteriophage lambda tails. Katsura I, et al. **Cell** 1984 Dec;39(3 Pt 2):691–8

Internalization-defective LDL receptors produced by genes with nonsense and frameshift mutations that truncate the cytoplasmic domain. Lehrman MA, et al. **Cell** 1985 Jul; 41(3):735–43

Apurinic sites as mutagenic intermediates. Loeb LA. **Cell** 1985 Mar;40(3):483–4 (19 ref.)

Oligosyndactyly: a lethal mutation in the mouse that results in mitotic arrest very early in development. Magnuson T, et al. **Cell** 1984 Oct;38(3):823–33

The flightless Drosophila mutant raised has two distinct genetic lesions affecting accumulation of myofibrillar proteins in flight muscles. Mahaffey JW, et al. **Cell** 1985 Jan;40(1):101–10

Phenotypic analysis of temperature-sensitive yeast actin mutants. Novick P, et al. **Cell** 1985 Feb;40(2):405–16

A point mutation in the conserved hexanucleotide at a yeast 5' splice junction uncouples recognition, cleavage, and ligation. Parker R, et al. **Cell** 1985 May;41(1):107–18

Insertion mutagenesis to increase secondary structure within the 5' noncoding region of a eukaryotic mRNA reduces translational efficiency. Pelletier J, et al. **Cell** 1985 Mar; 40(3):515–26

Molecular analysis of the period locus in Drosophila melanogaster and identification of a transcript involved in biological rhythms. Reddy P, et al. **Cell** 1984 Oct; 38(3):701–10

A cell division mutant of Drosophila with a functionally abnormal spindle. Ripoll P, et al. **Cell** 1985 Jul;41(3):907–12

The silent carrier allele: beta thalassemia without a mutation in the beta-globin gene or its immediate flanking regions. Semenza GL, et al. **Cell** 1984 Nov;39(1):123–8

Pleiotropic mutants of NIH 3T3 cells with altered regulation in the expression of both type I collagen and fibronectin. Setoyama C, et al. **Cell** 1985 May;41(1):201–9

P-element transformation with period locus DNA restores rhythmicity to mutant, arrhythmic Drosophila melanogaster. Zehring WA, et al. **Cell** 1984 Dec;39(2 Pt 1):369–76

Bending patterns of chlamydomonas flagella: III. A radial spoke head deficient mutant and a central pair deficient mutant. Brokaw CJ, et al. **Cell Motil** 1985;5(3):195–208

Xenobiotic metabolism and mutation in a human lymphoblastoid cell line. Crespi CL, et al. **Chem Biol Interact** 1985 May;53(3):257–71

In vitro miscoding of alkylthymines with DNA and RNA polymerases. Saffhill R. **Chem Biol Interact** 1985 Feb–Apr; 53(1–2):121–30

Gene amplification in Djungarian hamster cell lines possessing decreased plasma membrane permeability for colchicine and some other drugs. Gudkov AV, et al. **Chromosoma** 1985;92(1):16–24

Regular pattern of karyotypic alterations accompanying gene amplification in Djungarian hamster cells: study of colchicine, adriablastin, and methotrexate resistance. Kopnin BP, et al. **Chromosoma** 1985;92(1):25–36

Redesigning enzymes by site–directed mutagenesis. Fersht AR, et al. **Ciba Found Symp** 1985;111:204–18

Endocrine and genetic characterization of cousins with male pseudohermaphroditism: evidence that the Lubs phenotype can result from a mutation that alters the structure of the androgen receptor. Wilson JD, et al. **Clin Genet** 1984 Oct; 26(4):363–70

Enzymes and sites of genetic recombination: studies with gene–3 endonuclease of phage T7 and with site–affinity mutants of phage lambda. de Massy B, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:715–26

Isolation of Spm controlling elements from maize. Fedoroff N, et al. **Cold Spring Harbor Symp Quant Biol** 1984; 49:339–45

Biochemical characterization of rec1 mutants and the genetic control of recombination in Ustilago maydis. Holliday R, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:669–73

Involvement of double–strand chromosomal breaks for mating–type switching in Saccharomyces cerevisiae. Klar AJ, et al. **Cold Spring Harbor Symp Quant Biol** 1984; 49:77–88

Site–specific recombination systems of phages phi 80 and P22: binding sites of integration host factor and recombination–induced mutations. Leong JM, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:707–14

The mutH, mutL, mutS, and uvrD genes of Salmonella typhimurium LT2. Pang PP, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:597–602

A review of the role of cyclic GMP in neurological mutants with photoreceptor dysplasia. Chader GJ, et al. **Curr Eye Res** 1985 Jul;4(7):811–9 (26 ref.)

Genetically abnormal fibrinogens––strategies for structure elucidation, including fibrinopeptide analysis. Henschen A, et al. **Curr Probl Clin Biochem** 1984;14:273–320 (165 ref.)

In vivo mutagenic effect of methyldopa. 1. Dominant lethal test in male mice. Kar RN, et al. **Cytobios** 1984; 41(163–164):151–9

Use of somatic cell hybrids for quantitation of mutagenesis: reduction in background mutants by fluorescence–activated cell sorting (FACS). Waldren C, et al. **Cytometry** 1984 Nov;5(6):584–8

Avian scale development. XI. Initial appearance of the dermal defect in scaleless skin. Dhouailly D, et al. **Dev Biol** 1984 Oct;105(2):343–50

Partial rescue of embryos from two maternal–effect neurogenic mutants by transplantation of wild–type ooplasm. LaBonne SG, et al. **Dev Biol** 1985 Jul;110(1):264–7

Adhesion mutants of Dictyostelium discoideum lacking the saccharide determinant recognized by two adhesion–blocking monoclonal antibodies. Loomis WF, et al. **Dev Biol** 1985 May;109(1):111–7

An early role of maternal mRNA in establishing the dorsoventral pattern in pelle mutant Drosophila embryos. Müller–Holtkamp F, et al. **Dev Biol** 1985 Jul;110(1):238–46

The effects of zygotic lethal mutations on female germ–line functions in Drosophila. Perrimon N, et al. **Dev Biol** 1984 Oct;105(2):404–14

Gap junction distribution in the Drosophila wing disc mutants vg, l(2)gd, l(3)c43hs1, and l(2)gl4. Ryerse JS, et al. **Dev Biol** 1984 Oct;105(2):396–403

Homoeosis in Drosophila: anterior and posterior transformations of Polycomb lethal embryos. Sato T, et al. **Dev Biol** 1985 Jul;110(1):53–64

Genetic analysis of transdetermination in Drosophila. I. The effects of varying growth parameters using a temperature–sensitive mutation. Shearn A, et al. **Dev Biol** 1984 Nov;106(1):135–46

Genetic analysis of transdetermination in Drosophila. II. Transdetermination to wing of leg discs from a mutant which lacks wing discs. Wurst G, et al. **Dev Biol** 1984 Nov; 106(1):147–55

Decreased biologic activity and degradation of human [SerB24]–insulin, a second mutant insulin. Haneda M, et al. **Diabetes** 1985 Jun;34(6):568–73

Oligonucleotide–directed mutagenesis using plasmid DNA templates and two primers. Schold M, et al. **DNA** 1984 Dec;3(6):469–77

Oligonucleotide–directed mutagenesis: a simple method using two oligonucleotide primers and a single–stranded DNA template. Zoller MJ, et al. **DNA** 1984 Dec;3(6):479–88

Control of pT181 replication II. Mutational analysis. Carleton S, et al. **EMBO J** 1984 Oct;3(10):2407–14

Identification and mutational analysis of the promoter for a spinach chloroplast transfer RNA gene. Gruissem W, et al. **EMBO J** 1985 Jul;4(7):1637–44

VH genes encoding the immune response to beta–(1,6)–galactan: somatic mutation in IgM molecules. Hartman AB, et al. **EMBO J** 1984 Dec 1;3(12):3023–30

A signal sequence mutant defective in export of ribose–binding protein and a corresponding pseudorevertant isolated without imposed selection. Iida A, et al. **EMBO J** 1985 Jul;4(7):1875–80

Characterization of an amber mutation in the structural gene for ribosomal protein L15, which impairs the expression of the protein export gene, secY, in Escherichia coli. Ito K, et al. **EMBO J** 1984 Oct;3(10):2319–24

Synthesis of an ochre suppressor tRNA gene and expression in mammalian cells. Laski FA, et al. **EMBO J** 1984 Nov; 3(11):2445–52

Common features of polyomavirus mutants selected on PCC4 embryonal carcinoma cells. Melin F, et al. **EMBO J** 1985 Jul;4(7):1799–803

Specificity of mutations induced in transfected DNA by mammalian cells. Miller JH, et al. **EMBO J** 1984 Dec 20; 3(13):3117–21

Point mutational analysis of the Xenopus laevis 5S gene promoter. Pieler T, et al. **EMBO J** 1985 Jul;4(7):1847–53

Mutations within the 23S rRNA coding sequence of E. coli which block ribosome assembly. Skinner RH, et al. **EMBO J** 1985 Jun;4(6):1605–8

A novel combination of K–ras and myc amplification accompanied by point mutational activation of K–ras in a human lung cancer. Taya Y, et al. **EMBO J** 1984 Dec 1;3(12):2943–6

Mutants of the elongation factor EF–Tu, a new class of nonsense suppressors. Vijgenboom E, et al. **EMBO J** 1985 Apr;4(4):1049–52

Analysis of the mutation to forskolin–resistance in Y1 adrenocortical tumor cells. Schimmer BP, et al. **Endocr Res** 1984–85;10(3–4):365–86

Animal models of male infertility: mice bearing single–gene mutations that induce infertility. Chubb C, et al. **Endocrinology** 1985 Jul;117(1):338–46

Linear relationship between lethal mutation yield and intake of ethyl methanesulfonate in Drosophila melanogaster. Ayaki T, et al. **Environ Mutagen** 1985;7(2):147–53

Mutagen sensitivity of Drosophila melanogaster: VII. Alkylation mutagenesis of mature and immature oocytes of the excision–deficient mus (2) 201D1 mutant. Badaruddin AS, et al. **Environ Mutagen** 1984;6(5):753–5

A comparison of genotoxicity of automotive exhaust particles from laboratory and environmental sources. Brooks AL, et al. **Environ Mutagen** 1984;6(5):651–68

Assessment of mutagenic damage by monofunctional alkylating agents and gamma radiation in haploid and diploid frogs, Xenopus laevis. Hart DR, et al. **Environ Mutagen** 1984;6(5):719–35

Spontaneous mutation frequencies in Salmonella: enhancement of G/C to A/T transitions and depression of deletion and frameshift mutation frequencies afforded by anoxic incubation. Hartman Z, et al. **Environ Mutagen** 1984;6(5):633–50

Mutagenic 1–nitropyrene in wastewater from oil–water separating tanks of gasoline stations and in used crankcase oil. Manabe Y, et al. **Environ Mutagen** 1984;6(5):669–81

Mutagenicity of azo dyes following metabolism by different reductive/oxidative systems. Reid TM, et al. **Environ Mutagen** 1984;6(5):705–17

Induction of forward mutation at the yg2 locus in maize by ethylnitrosourea. Schy WE, et al. **Environ Mutagen** 1985; 7(2):155–62

Mutagenicity of lichen constituents. Shibamoto T, et al. **Environ Mutagen** 1984;6(5):757–62

SCE induction is uncoupled from mutation induction in mammalian cells following exposure to ethylnitrosourea (ENU). Stetka DG Jr, et al. **Environ Mutagen** 1985; 7(2):233–43

Confidence intervals and sample size calculations to compare variant frequencies. Sylwester D, et al. **Environ Mutagen** 1985;7 Suppl 4:31–41

Suppressive effects of chemicals in mixture on the Salmonella plate test response in the absence of apparent toxicity. Zeiger E, et al. **Environ Mutagen** 1984;6(5):683–94

Genotoxic activity of nitrosated coal dust extract in mammalian systems. Tucker JD, et al. **Environ Res** 1984 Oct;35(1):171–9

Ribosomal protein synthesis by a mutant of Escherichia coli. Butler PD, et al. **Eur J Biochem** 1984 Nov 2;144(3):649–54

The pho1 mutation. A frameshift, and its compensation, producing altered forms of physiologically efficient ATPase in yeast mitochondria. Somlo M, et al. **Eur J Biochem** 1985 Jul 1;150(1):89–94

Mutational resistance to 4–quinolone antibacterial agents. Smith JT. **Eur J Clin Microbiol** 1984 Aug;3(4):347–50

Trichocyst phenotype transformation induced by macronuclear transplantation in Paramecium tetraurelia. Aufderheide KJ. **Exp Cell Res** 1985 Jan;156(1):282–6

Cell division cycle in mammalian cells. VIII. Mapping of G1 into six segments using temperature–sensitive cell cycle mutants. Chen DJ, et al. **Exp Cell Res** 1984 Dec; 155(2):549–56

Indirect suppression of the wee1 mutant phenotype in Schizosaccharomyces pombe. Singer RA, et al. **Exp Cell Res** 1985 Jun;158(2):533–43

Can mutagenesis reveal major genes affecting senescence? Roberts PA, et al. **Exp Gerontol** 1985;20(2):119–21

Lack of mutagenicity of irradiated glucose in Salmonella typhimurium using host–mediated assay. Varma MB, et al. **Experientia** 1985 Mar 15;41(3):396–7

Structural and functional characterization of the abnormal Z alpha 1–antitrypsin isolated from human liver. Bathurst IC, et al. **FEBS Lett** 1984 Nov 19;177(2):179–83

An antisuppressor mutant of Saccharomyces cerevisiae deficient in isopentenylated tRNA has reduced delta 2–isopentenylpyrophosphate: tRNA–delta 2–isopentenyl transferase activity. Laten HM, et al. **FEBS Lett** 1985 Jan 7;179(2):307–10

Superoxide dismutase in Drosophila melanogaster. Mutation site difference between two electromorphs. Lee YM, et al. **FEBS Lett** 1985 Jan 1;179(1):115–9

Mutations in the regulatory subunit of soluble phosphofructokinase from yeast. Nadkarni M, et al. **FEBS Lett** 1984 Oct 1;175(2):294–8

A somatic cell mutant with a kinetically altered 3–hydroxy–3–methylglutaryl coenzyme A reductase. Sinensky M, et al. **FEBS Lett** 1985 Jul 8;186(2):219–23

Increased translational fidelity caused by the antibiotic kasugamycin and ribosomal ambiguity in mutants harbouring the ksgA gene. van Buul CP, et al. **FEBS Lett** 1984 Nov 5;177(1):119–24

Gamma–irradiation induces mutation in ataxia–telangiectasia lymphoblastoid cells. Tatsumi K, et al. **Gann** 1984 Dec; 75(12):1040–3

Isolation of a DNA fragment that is expressed as an amber suppressor when present in high copy number in yeast. Calderon IL, et al. **Gene** 1984 Jul–Aug;29(1–2):69–76

In vitro insertional mutagenesis with a selectable DNA fragment. Prentki P, et al. **Gene** 1984 Sep;29(3):303–13

Transposon insertion mutagenesis of Pseudomonas aeruginosa with a Tn5 derivative: application to physical mapping of the arc gene cluster. Rella M, et al. **Gene** 1985; 33(3):293–303

New Tn10 derivatives for transposon mutagenesis and for construction of lacZ operon fusions by transposition. Way JC, et al. **Gene** 1984 Dec;32(3):369–79

Cassette mutagenesis: an efficient method for generation of multiple mutations at defined sites. Wells JA, et al. **Gene** 1985;34(2–3):315–23

Expression and amplification of the genes for ribosomal RNA in bobbed mutants of Drosophila melanogaster. Dutton FL, et al. **Genet Res** 1985 Apr;45(2):155–65

Deleterious mutations as an evolutionary factor. 1. The advantage of recombination. Kondrashov AS. **Genet Res** 1984 Oct;44(2):199–217

The genetic correlation between characters maintained by selection, linkage and inbreeding. Lande R. **Genet Res** 1984 Dec;44(3):309–20

New ara–C resistant mutants of the Chinese hamster ovary cells. Mishra NC, et al. **Genet Res** 1985 Jun;45(3):265–77

On the development of ectopic eyes in Drosophila melanogaster produced by the mutation extra eye (ee). Baker WK, et al. **Genetics** 1985 Sep;111(1):67–88

Gene interactions affecting muscle organization in Caenorhabditis elegans. Brown SJ, et al. **Genetics** 1985 Jul; 110(3):421–40

Genetic analysis of resistance to benzimidazoles in Physarum: differential expression of beta–tubulin genes. Burland TG, et al. **Genetics** 1984 Sep;108(1):123–41

Mapping CDC mutations in the yeast S. cerevisiae by rad52–mediated chromosome loss. Hanic–Joyce PJ. **Genetics** 1985 Aug;110(4):591–607

Altered fidelity of mitotic chromosome transmission in cell cycle mutants of S. cerevisiae. Hartwell LH, et al. **Genetics** 1985 Jul;110(3):381–95

Coupled instability of two X–linked genes in Drosophila mauritiana: germinal and somatic mutability. Jacobson JW, et al. **Genetics** 1985 Sep;111(1):57–65

Mismatch repair mutations of Escherichia coli K12 enhance transposon excision. Lundblad V, et al. **Genetics** 1985 Jan; 109(1):3–19

The effect of transformer, doublesex and intersex mutations on the sexual behavior of Drosophila melanogaster. McRobert SP, et al. **Genetics** 1985 Sep;111(1):89–96

Genetic analysis of DNA replication in bacteria: dnaB mutations that suppress dnaC mutations and dnaQ mutations that suppress dnaE mutations in Salmonella typhimurium. Maurer R, et al. **Genetics** 1984 Sep; 108(1):25–38

Spontaneous unstable unc–22 IV mutations in C. elegans var. Bergerac. Moerman DG, et al. **Genetics** 1984 Dec; 108(4):859–77

A mouse beta–globin mutant that is an exact model of hemoglobin Rainier in man. Peters J, et al. **Genetics** 1985 Aug;110(4):709–21

Comparison of somatic reversions between the ivory allele and transposon–caused mutant alleles at the white locus of Drosophila melanogaster after larval treatment with X rays and ethyl methanesulfonate. Ryo H, et al. **Genetics** 1985 Jul;110(3):441–51

Genetic analysis of staphylococcal nuclease: identification of three intragenic 'global' suppressors of nuclease–minus mutations. Shortle D, et al. **Genetics** 1985 Aug; 110(4):539–55

Localized conversion in Streptococcus pneumoniae recombination: heteroduplex preference. Sicard M, et al. **Genetics** 1985 Aug;110(4):557–68

Genetic differentiation of transposable elements under mutation and unbiased gene conversion. Slatkin M. **Genetics** 1985 May;110(1):145–58

Mutations in genes encoding essential mitotic functions in Drosophila melanogaster. Smith DA, et al. **Genetics** 1985

Aug;110(4):647–70

Apparent genetic complexity generated by developmental thresholds: the apterous locus in Drosophila melanogaster. Stevens ME, et al. **Genetics** 1985 Jun;110(2):281–97

Mechanisms of spontaneous and induced frameshift mutation in bacteriophage T4. Streisinger G, et al. **Genetics** 1985 Apr;109(4):633–59

Effects of pleiotropy on predictions concerning mutation–selection balance for polygenic traits. Turelli M. **Genetics** 1985 Sep;111(1):165–95

Isolation of aneuploid–generating mutants of Aspergillus nidulans, one of which is defective in interphase of the cell cycle. Upshall A, et al. **Genetics** 1984 Sep;108(1):107–21

Meiotic gene conversion mutants in Saccharomyces cerevisiae. I. Isolation and characterization of pms1–1 and pms1–2. Williamson MS, et al. **Genetics** 1985 Aug;110(4):609–46

The mil/raf and myc oncogenes: molecular cloning and in vitro mutagenesis. Jansen HW, et al. **Hamatol Bluttransfus** 1985;29:280–3

The fixation of chromosomal rearrangements in a subdivided population with local extinction and colonization. Lande R. **Heredity (Edinburgh)** 1985 Jun;54 (Pt 3):323–32

Cytophotometric evidence for the transformation of oocytes into nurse cells in Drosophila melanogaster. King RC, et al. **Histochemistry** 1985;82(2):131–4

Cytophotometric studies on cells from the ovaries of otu mutants of Drosophila melanogaster. Rasch EM, et al. **Histochemistry** 1984;81(2):105–10

The nature of mutation. Kazazian HH Jr. **Hosp Pract [Off]** 1985 Feb 15;20(2):55–65, 69 (0 ref.)

Spontaneous 6–thioguanine–resistant lymphocytes in Fanconi anemia patients and their heterozygous parents. Vijayalaxmi, et al. **Hum Genet** 1985;70(3):264–70

Recurrent mutation pressure does not explain the prevalence of the marker (X) syndrome. Vogel F, et al. **Hum Genet** 1985;71(1):1–6

Specificity of monoclonal antibodies directed against human and murine class II histocompatibility antigens as analyzed by binding to HLA–deletion mutant cell lines. Shaw S, et al. **Hum Immunol** 1985 Apr;12(4):191–211

IA mutation affects anti–Thy–1 response in mice. Quackenbush LJ, et al. **Immunogenetics** 1985;21(6):617–21

The genetics of apricot eye––a sex linked recessive mutant in Culex quinquefasciatus. Suguna SG. **Indian J Med Res** 1985 Feb;81:143–8

Genetics of spontaneous, high–frequency loss of b capsule expression in Haemophilus influenzae. Hoiseth SK, et al. **Infect Immun** 1985 Aug;49(2):389–95

Differences in protein phosphorylation in vivo and in vitro between wild type and dunce mutant strains of Drosophila melanogaster. Dévay P, et al. **Int J Biochem** 1984;16(12):1401–8

The influence of dose rate on the lethal and mutagenic effects of X–rays in proliferating L5178Y cells differing in radiation sensitivity. Evans HH, et al. **Int J Radiat Biol** 1985 May;47(5):553–62

Radiation–induced specific locus mutations in human mammary epithelial cells. Gould MN. **Int J Radiat Biol** 1985 Apr;47(4):387–91

Enhanced cell killing, inhibition of recovery from potentially lethal damage and increased mutation frequency by 3–aminobenzamide in Chinese hamster V79 cells exposed to X–rays. Kumar A, et al. **Int J Radiat Biol** 1985 Jan;47(1):103–12

Iodine–125 induced micronuclei and sperm head abnormalities in mice. Lavu S, et al. **Int J Radiat Biol** 1985 Mar;47(3):249–53

Molecular analysis of mutagenesis in mammalian cells. Sarasin A, et al. **Int J Radiat Biol** 1985 May;47(5):479–88

Nitroxyl spin label contrast enhancers for magnetic resonance imaging. Studies of acute toxicity and mutagenesis. Afzal V, et al. **Invest Radiol** 1984 Nov–Dec;19(6):549–52

Cloning of a gene from Streptomyces species complementing argG mutations. Ishihara H, et al. **J Antibiot (Tokyo)** 1985 Jun;38(6):787–94

Mutation of Pseudomonas aeruginosa to piperacillin resistance mediated by beta–lactamase production. Bell SM, et al. **J Antimicrob Chemother** 1985 Jun;15(6):665–70

Mutagenesis of Clostridium acetobutylicum. Bowring SN, et al. **J Appl Bacteriol** 1985 Jun;58(6):577–84

Genetic analysis of Escherichia coli oligopeptide transport mutants. Andrews JC, et al. **J Bacteriol** 1985 Feb;161(2):484–92

Mutants of Erwinia chrysanthemi defective in secretion of pectinase and cellulase. Andro T, et al. **J Bacteriol** 1984 Dec;160(3):1199–203

Isolation and characterization of an Escherichia coli mutant lacking the cytochrome o terminal oxidase. Au DC, et al. **J Bacteriol** 1985 Jan;161(1):123–7

Mapping of a mutation affecting regulation of iron uptake systems in Escherichia coli K–12. Bagg A, et al. **J Bacteriol** 1985 Jan;161(1):450–3

Proper interaction between at least two components is required for efficient export of proteins to the Escherichia coli cell envelope. Bankaitis VA, et al. **J Bacteriol** 1985 Jan;161(1):169–78

Reexamination of phenotypic defects in rec–1 and rec–2 mutants of Haemophilus influenzae Rd. Barouki R, et al. **J Bacteriol** 1985 Aug;163(2):629–34

Cell shape and division in Escherichia coli: experiments with shape and division mutants. Begg KJ, et al. **J Bacteriol** 1985 Aug;163(2):615–22

Synthesis, export, and assembly of Aeromonas salmonicida A–layer analyzed by transposon mutagenesis. Belland RJ, et al. **J Bacteriol** 1985 Sep;163(3):877–81

Temperature–sensitive catabolite activator protein in Escherichia coli BUG6. Benner D, et al. **J Bacteriol** 1985 Jan;161(1):347–52

Isolation and characterization of outer membrane permeability mutants in Escherichia coli K–12. Benson SA, et al. **J Bacteriol** 1985 Jan;161(1):361–7

Genetic mapping and characterization of Pseudomonas aeruginosa mutants that hyperproduce exoproteins. Björklind A, et al. **J Bacteriol** 1985 Jun;162(3):1329–31

Restoration of viability to an Escherichia coli mutant deficient in the 5'——3' exonuclease of DNA polymerase I. Boling M, et al. **J Bacteriol** 1984 Nov;160(2):706–10

Photoreactivation of Escherichia coli reverses umuC induction by UV light. Brash DE, et al. **J Bacteriol** 1985 Aug;163(2):460–3

Genetic analysis of mutants of Aspergillus nidulans blocked at an early stage of sporulation. Butnick NZ, et al. **J Bacteriol** 1984 Nov;160(2):541–5

Mutants of Aspergillus nidulans blocked at an early stage of sporulation secrete an unusual metabolite. Butnick NZ, et al. **J Bacteriol** 1984 Nov;160(2):533–40

Genetics of methyl–accepting chemotaxis proteins in Escherichia coli: cheD mutations affect the structure and function of the Tsr transducer. Callahan AM, et al. **J Bacteriol** 1985 Jan;161(1):96–104

Mutagenesis of Neisseria gonorrhoeae: absence of error–prone repair. Campbell LA, et al. **J Bacteriol** 1984 Oct;160(1):288–93

Division of temperature–sensitive Streptococcus faecium mutants after return to the permissive temperature. Canepari P, et al. **J Bacteriol** 1984 Oct;160(1):427–9

Mutations that convert the four leucine codons of the Salmonella typhimurium leu leader to four threonine codons. Carter PW, et al. **J Bacteriol** 1985 Jun;162(3):943–9

Glucose–6–phosphate dehydrogenase deficiency in pleiotropic carbohydrate–negative mutant strains of Rhizobium meliloti. Cerveňanský C, et al. **J Bacteriol** 1984 Dec;160(3):1027–30

Escherichia coli recBC deletion mutants. Chaudhury AM, et al. **J Bacteriol** 1984 Nov;160(2):788–91

Isolation and characterization of transposon Tn5–induced symbiotic mutants of Rhizobium loti. Chua KY, et al. **J Bacteriol** 1985 Apr;162(1):335–43

Chromosomal mapping of mutations affecting glycerol and glucose catabolism in Pseudomonas aeruginosa PAO. Cuskey SM, et al. **J Bacteriol** 1985 Jun;162(3):872–80

Cloning of Escherichia coli and Pseudomonas aeruginosa phosphomannose isomerase genes and their expression in alginate–negative mutants of Pseudomonas aeruginosa. Darzins A, et al. **J Bacteriol** 1985 Jan;161(1):249–57

Regulation of amino acid utilization in Neurospora crassa: effect of nmr–1 and ms–5 mutations. DeBusk RM, et al. **J Bacteriol** 1984 Nov;160(2):656–61

Mu–lac insertion–directed mutagenesis in a pectate lyase gene of Erwinia chrysanthemi. Diolez A, et al. **J Bacteriol** 1985 Sep;163(3):913–7

Dependence of secretion and assembly of type 1 fimbrial subunits of Escherichia coli on normal protein export. Dodd DC, et al. **J Bacteriol** 1984 Sep;159(3):1077–9

Alpha mating type–specific expression of mutations leading to constitutive agglutinability in Saccharomyces cerevisiae. Doi S, et al. **J Bacteriol** 1985 Feb;161(2):596–601

Transposon mutagenesis and cloning analysis of the pathways for degradation of 2,4–dichlorophenoxyacetic acid and 3–chlorobenzoate in Alcaligenes eutrophus JMP134(pJP4). Don RH, et al. **J Bacteriol** 1985 Jan;161(1):85–90

Vector insertion mutagenesis of Rhizobium sp. strain ORS571: direct cloning of mutagenized DNA sequences. Donald RG, et al. **J Bacteriol** 1985 Apr;162(1):317–23

Characterization of xylitol–utilizing mutants of Erwinia uredovora. Doten RC, et al. **J Bacteriol** 1985 Feb;161(2):529–33

Modification of UV–induced mutation frequency and cell survival of Escherichia coli B/r WP2 trpE65 by treatment before irradiation. Doudney CO, et al. **J Bacteriol** 1984 Oct;160(1):233–8

Photodynamic inactivation and mutagenesis by angelicin (isopsoralen) or thiopyronin (methylene red) in wild–type and repair–deficient strains of bacteriophage T4. Drake JW. **J Bacteriol** 1985 Jun;162(3):1311–3

Dissimilation of aromatic compounds in Rhodotorula graminis: biochemical characterization of pleiotropically negative mutants. Durham DR, et al. **J Bacteriol** 1984 Nov;160(2):771–7

Lethality of the double mutations rho rep and rho ssb in Escherichia coli. Fassler JS, et al. **J Bacteriol** 1985 Feb;161(2):609–14

Isolation and characterization of Pseudomonas putida PpF1 mutants defective in the toluene dioxygenase enzyme system. Finette BA, et al. **J Bacteriol** 1984 Dec;160(3):1003–9

Escherichia coli strains containing mutations in the structural gene for topoisomerase I are recombination deficient. Fishel RA, et al. **J Bacteriol** 1984 Dec;160(3):1168–70

Isolation of a recombination–deficient mutant of Rhodopseudomonas capsulata. Genthner FJ, et al. **J Bacteriol** 1984 Dec;160(3):971–5

Mutations in bacteriophage lambda repressor that prevent RecA–mediated cleavage. Gimble FS, et al. **J Bacteriol** 1985 Apr;162(1):147–54

Genetic analysis of the low calcium response in Yersinia pestis mu d1(Ap lac) insertion mutants. Goguen JD, et al. **J Bacteriol** 1984 Dec;160(3):842–8

Serum–resistant mutants of Escherichia coli O111 contain increased lipopolysaccharide, lack an O antigen–containing capsule, and cover more of their lipid A core with O antigen. Goldman RC, et al. **J Bacteriol** 1984 Sep;159(3):877–82

Identification and mapping of regions of the plasmid pKM101 which influence the growth rate and resistance to phleomycin E of Escherichia coli WP2. Hall RM. **J Bacteriol** 1985 Sep;163(3):1142–6

Mapping of trxB, a mutation responsible for reduced thioredoxin reductase activity. Haller BL, et al. **J Bacteriol** 1984 Sep;159(3):1060–2

Heat and UV light resistance of vegetative cells and spores of Bacillus subtilis Rec–mutants. Hanlin JH, et al. **J Bacteriol** 1985 Aug;163(2):774–7

Transposon mutagenesis analysis of meta–cleavage pathway operon genes of the TOL plasmid of Pseudomonas putida mt–2. Harayama S, et al. **J Bacteriol** 1984 Oct;160(1):251–5

Mode of infection, nodulation specificity, and indigenous plasmids of 11 fast–growing Rhizobium japonicum strains. Heron DS, et al. **J Bacteriol** 1984 Dec;160(3):1061–6

Excretion of unassembled flagellin by Salmonella typhimurium mutants deficient in hook–associated proteins. Homma M, et al. **J Bacteriol** 1984 Sep;159(3):1056–9

Genetic analysis of spo0A and spo0C mutants of Bacillus subtilis with a phi 105 prophage merodiploid system. Ikeuchi T, et al. **J Bacteriol** 1985 Aug;163(2):411–6

Mol– mutants of Klebsiella pneumoniae requiring high levels of molybdate for nitrogenase activity. Imperial J, et al. **J Bacteriol** 1985 Sep;163(3):1285–7

Biosynthesis of membrane–derived oligosaccharides: characterization of mdoB mutants defective in phosphoglycerol transferase I activity. Jackson BJ, et al. **J Bacteriol** 1984 Dec;160(3):976–81

An acidic or basic amino acid at position 26 of the b subunit of Escherichia coli F1F0–ATPase impairs membrane proton permeability: suppression of the uncF469 nonsense mutation. Jans DA, et al. **J Bacteriol** 1984 Nov;160(2):764–70

Monoclonal antibodies to Rhizobium meliloti and surface mutants insensitive to them. Johansen E, et al. **J Bacteriol** 1984 Oct;160(1):454–7

Chromosomal mutation that affects excretion of hemolysin in Escherichia coli. Juarez A, et al. **J Bacteriol** 1984 Sep;159(3):1083–5

In vitro deletions in the partition locus of plasmid pSC101. Kalla SR, et al. **J Bacteriol** 1984 Oct;160(1):434–7

Construction of a tyrP–lac operon fusion strain and its use in the isolation and analysis of mutants derepressed for tyrP expression. Kasian PA, et al. **J Bacteriol** 1984 Oct;160(1):175–83

Construction of a Bacillus subtilis double mutant deficient in extracellular alkaline and neutral proteases. Kawamura F, et al. **J Bacteriol** 1984 Oct;160(1):442–4

Aberrant regulation of methylesterase activity in cheD chemotaxis mutants of Escherichia coli. Kehry MR, et al. **J Bacteriol** 1985 Jan;161(1):105–12

Coordinate regulation of phospholipid biosynthesis in Saccharomyces cerevisiae: pleiotropically constitutive opi1 mutant. Klig LS, et al. **J Bacteriol** 1985 Jun;162(3):1135–41

RecA protein acts at the initiation of stable DNA replication in rnh mutants of Escherichia coli K–12. Kogoma T, et al. **J Bacteriol** 1985 Aug;163(2):439–44

Genetic recombination of bacterial plasmid DNA: effect of RecF pathway mutations on plasmid recombination in Escherichia coli. Kolodner R, et al. **J Bacteriol** 1985 Sep;163(3):1060–6

Plasmidless, photosynthetically incompetent mutants of Rhodospirillum rubrum. Kuhl SA, et al. **J Bacteriol** 1984 Sep;159(3):913–8

Mechanism of mutation by thymine starvation in Escherichia coli: clues from mutagenic specificity. Kunz BA, et al. **J Bacteriol** 1985 Jun;162(3):859–64

sn–Glycerol–3–phosphate auxotrophy of plsB strains of Escherichia coli: evidence that a second mutation, plsX, is required. Larson TJ, et al. **J Bacteriol** 1984 Nov;160(2):711–7

Identity of the photoproduct that causes lacI mutations in UV–irradiated Escherichia coli. Lawrence CW, et al. **J Bacteriol** 1985 Feb;161(2):767–8

Analysis of promoter mutations in the histidine transport operon of Salmonella typhimurium: use of hybrid M13 bacteriophages for cloning, transformation, and sequencing. Lee GS, et al. **J Bacteriol** 1984 Sep;159(3):1000–5

Isolation and characterization of mutant strains of Escherichia coli altered in H2 metabolism. Lee JH, et al. **J Bacteriol** 1985 Apr;162(1):344–52

Regulation of phospholipid synthesis in phosphatidylserine synthase–deficient (chol) mutants of Saccharomyces cerevisiae. Letts VA, et al. **J Bacteriol** 1985 Aug;163(2):560–7

Saccharomyces cerevisiae aldolase mutants. Lobo Z. **J Bacteriol** 1984 Oct;160(1):222–6

fipB and fipC: two bacterial loci required for morphogenesis of the filamentous bacteriophage f1. Lopez J, et al. **J Bacteriol** 1985 Sep;163(3):900–5

Transformation of Salmonella typhimurium with plasmid

DNA: differences between rough and smooth strains. MacLachlan PR, et al. **J Bacteriol** 1985 Jan;161(1):442-5

Cold sensitivity induced by overproduction of UmuDC in Escherichia coli. Marsh L, et al. **J Bacteriol** 1985 Apr; 162(1):155-61

Construction and characterization of a deletion mutant lacking micF, a proposed regulatory gene for OmpF synthesis in Escherichia coli. Matsuyama S, et al. **J Bacteriol** 1985 Jun;162(3):1196-202

Escherichia coli K-12 tolZ mutants tolerant to colicins E2, E3, D, Ia, and Ib: defect in generation of the electrochemical proton gradient. Matsuzawa H, et al. **J Bacteriol** 1984 Nov;160(2):733-9

Coordinate expression of hydrogenase and ribulose bisphosphate carboxylase in Rhizobium japonicum Hupc mutants. Merberg D, et al. **J Bacteriol** 1984 Oct; 160(1):448-50

Regulation of the F-factor pif operon: pifO, a site required in cis for autoregulation, titrates the pifC product in trans. Miller JF, et al. **J Bacteriol** 1984 Oct;160(1):192-8

Suicide vector for transposon mutagenesis in Pseudomonas solanacearum. Morales VM, et al. **J Bacteriol** 1985 Sep; 163(3):1263-4

Isolation of transformation-deficient Streptococcus pneumoniae mutants defective in control of competence, using insertion-duplication mutagenesis with the erythromycin resistance determinant of pAM beta 1. Morrison DA, et al. **J Bacteriol** 1984 Sep;159(3):870-6

DNA sequence and complementation analysis of a mutation in the rplX gene from Escherichia coli leading to loss of ribosomal protein L24. Nishi K, et al. **J Bacteriol** 1985 Sep;163(3):890-4

Method for gene replacement in Pseudomonas aeruginosa used in construction of recA mutants: recA-independent instability of alginate production. Ohman DE, et al. **J Bacteriol** 1985 Jun;162(3):1068-74

prlA-mediated suppression of signal sequence mutations is modulated by the secA gene product of Escherichia coli K-12. Oliver DB, et al. **J Bacteriol** 1985 Feb;161(2):817-9

Characterization of a cis-acting regulatory mutation that maps at the distal end of the Escherichia coli glyA gene. Plamann MD, et al. **J Bacteriol** 1985 Feb;161(2):650-4

Mutationally altered ribonucleotide reductase from Escherichia coli: characterization of mutations isolated on multicopy plasmids. Platz A, et al. **J Bacteriol** 1984 Dec; 160(3):1010-6

Genetic analysis of autolysin-deficient and flagellaless mutants of Bacillus subtilis. Pooley HM, et al. **J Bacteriol** 1984 Dec;160(3):1123-9

Genetic analysis of mutations that compensate for loss of Escherichia coli DNA topoisomerase I. Raji A, et al. **J Bacteriol** 1985 Jun;162(3):1173-9

Both linked and unlinked mutations can alter the intracellular site of synthesis of exported proteins of Escherichia coli. Rasmussen BA, et al. **J Bacteriol** 1985 Jan;161(1):258-64

Mutations that affect utilization of a promoter in stationary-phase Bacillus subtilis. Ray C, et al. **J Bacteriol** 1985 Aug;163(2):610-4

Isolation of pigmented and nonpigmented mutants of Serratia marcescens with reduced cell surface hydrophobicity. Rosenberg M. **J Bacteriol** 1984 Oct;160(1):480-2

Mutation that suppresses the protein export defect of the secY mutation and causes cold-sensitive growth of Escherichia coli. Shiba K, et al. **J Bacteriol** 1984 Nov;160(2):696-701

Purine-mediated growth inhibition caused by a pyrE mutation in Escherichia coli K-12. Shimosaka M, et al. **J Bacteriol** 1984 Dec;160(3):1101-4

Escherichia coli mutants possessing an Li+-resistant melibiose carrier. Shiota S, et al. **J Bacteriol** 1985 Apr; 162(1):106-9

Escherichia coli mutants with altered cation recognition by the melibiose carrier. Shiota S, et al. **J Bacteriol** 1984 Oct; 160(1):445-7

Selection for mutants altered in the expression or export of outer membrane porin OmpF. Sodergren EJ, et al. **J Bacteriol** 1985 Jun;162(3):1047-53

Isolation and characterization of antisuppressor mutations in Escherichia coli. Sullivan MA, et al. **J Bacteriol** 1985 Jan; 161(1):377-84

Conjugative mapping of pyruvate, 2-ketoglutarate, and branched-chain keto acid dehydrogenase genes in Pseudomonas putida mutants. Sykes PJ, et al. **J Bacteriol** 1985 Apr;162(1):203-8

Mutations that define the promoter of ompF, a gene specifying a major outer membrane porin protein. Taylor RK, et al. **J Bacteriol** 1985 Jun;162(3):1054-60

Copy mutant of mini-Rts1: lowered binding affinity of mutated RepA protein to direct repeats. Terawaki Y, et al. **J Bacteriol** 1985 Apr;162(1):72-7

Plaque color method for rapid isolation of novel recA mutants of Escherichia coli K-12: new classes of protease-constitutive recA mutants. Tessman ES, et al. **J Bacteriol** 1985 Aug;163(2):677-87

Isolation of protease-proficient, recombinase-deficient recA mutants of Escherichia coli K-12. Tessman ES, et al. **J Bacteriol** 1985 Aug;163(2):688-95

Lactose metabolism in Streptococcus lactis: studies with a mutant lacking glucokinase and mannose-phosphotransferase activities. Thompson J, et al. **J Bacteriol** 1985 Apr;162(1):217-23

Isolation of Bacillus subtilis mutants altered in expression of a gene transcribed in vitro by a minor form of RNA polymerase (E-sigma 37). Truitt CL, et al. **J Bacteriol** 1985 Feb;161(2):515-22

Nodule initiation elicited by noninfective mutants of Rhizobium phaseoli. Vandenbosch KA, et al. **J Bacteriol** 1985 Jun;162(3):950-9

Pseudomonas aeruginosa mutants affected in anaerobic growth on arginine: evidence for a four-gene cluster encoding the arginine deiminase pathway. Vander Wauven C, et al. **J Bacteriol** 1984 Dec;160(3):928-34

Isolation and characterization of Erwinia chrysanthemi mutants defective in degradation of hexuronates. van Gijsegem F, et al. **J Bacteriol** 1985 Feb;161(2):702-8

Direct selection of mutations reducing transcription or translation of the recA gene of Escherichia coli with a recA-lacZ protein fusion. Weisemann JM, et al. **J Bacteriol** 1985 Aug;163(2):748-55

Mutation-dependent suppression of recB21 recC22 by a region cloned from the Rac prophage of Escherichia coli K-12. Willis DK, et al. **J Bacteriol** 1985 Jun;162(3):1166-72

Proton suicide: general method for direct selection of sugar transport- and fermentation-defective mutants. Winkelman JW, et al. **J Bacteriol** 1984 Nov;160(2):687-90

Locus affecting regulation of the colicin I receptor by iron. Worsham PL, et al. **J Bacteriol** 1985 Jan;161(1):428-31

Incompatibility mutants of IncFII plasmid NR1 and their effect on replication control. Wu RP, et al. **J Bacteriol** 1985 Sep;163(3):973-82

Cloning of the neutral protease gene of Bacillus subtilis and the use of the cloned gene to create an in vitro-derived deletion mutation. Yang MY, et al. **J Bacteriol** 1984 Oct; 160(1):15-21

Alteration in cation specificity of the melibiose transport carrier of Escherichia coli due to replacement of proline 122 with serine. Yazyu H, et al. **J Bacteriol** 1985 Jun; 162(3):933-7

Isolation and characterization of transposon Tn5-induced mutants of Pseudomonas perfectomarina defective in nitrous oxide respiration. Zumft WG, et al. **J Bacteriol** 1985 Sep;163(3):918-24

A dominant mutation to ricin resistance in Chinese hamster ovary cells induces UDP-GlcNAc:glycopeptide beta-4-N-acetylglucosaminyltransferase III activity. Campbell C, et al. **J Biol Chem** 1984 Nov 10; 259(21):13370-8

A monoclonal antibody that recognizes the functional domain of Escherichia coli single-stranded DNA binding protein that includes the ssb-113 mutation. Chase JW, et al. **J Biol Chem** 1985 Jun 25;260(12):7214-8

Site-specific mutagenesis on a human initiator methionine tRNA gene within a sequence conserved in all eukaryotic initiator tRNAs and studies of its effects on in vitro transcription. Drabkin HJ, et al. **J Biol Chem** 1985 May 10;260(9):5580-7

The defective proton-ATPase of uncD mutants of Escherichia coli. Two mutations which affect the catalytic mechanism. Duncan TM, et al. **J Biol Chem** 1985 Apr 25; 260(8):4901-7

Engineering an enzyme by site-directed mutagenesis to be resistant to chemical oxidation. Estell DA, et al. **J Biol Chem** 1985 Jun 10;260(11):6518-21

Site-specific mutagenesis of ribulose-1,5-bisphosphate carboxylase/oxygenase. Evidence that carbamate formation at Lys 191 is required for catalytic activity. Estelle M, et al. **J Biol Chem** 1985 Aug 15;260(17):9523-6

Xanthurenic acid 8-O-beta-D-glucoside, a novel tryptophan metabolite in eye-color mutants of Drosophila melanogaster. Ferré J, et al. **J Biol Chem** 1985 Jun 25; 260(12):7509-14

Characterization of an Escherichia coli mdoB mutant strain unable to transfer sn-1-phosphoglycerol to membrane-derived oligosaccharides. Fiedler W, et al. **J Biol Chem** 1985 Apr 25;260(8):4799-806

Operator mutations of the Escherichia coli aroF gene. Garner CC, et al. **J Biol Chem** 1985 Mar 25;260(6):3820-5

Effect of ATP on phosphofructokinase-2 from Escherichia coli. A mutant enzyme altered in the allosteric site for MgATP. Guixé V, et al. **J Biol Chem** 1985 Sep 15; 260(20):11001-5

Cross-resistance and biochemical studies with two classes of HeLa cell mutants resistant to cardiac glycosides. The unusual behavior of cardenolide SC4453. Gupta RS, et al. **J Biol Chem** 1985 Jun 10;260(11):6843-50

Identification of an altered elongation factor in temperature-sensitive mutant ts 7'-14 of Saccharomyces cerevisiae. Herrera F, et al. **J Biol Chem** 1984 Dec 10; 259(23):14347-9

A mutation in yeast mitochondrial DNA results in a precise excision of the terminal intron of the cytochrome b gene. Hill J, et al. **J Biol Chem** 1985 Mar 25;260(6):3235-8

Mutants of the Rous sarcoma virus reverse transcriptase gene are nondefective in early replication events. Hippenmeyer PJ, et al. **J Biol Chem** 1985 Jul 15;260(14):8250-6

Ribonucleoside and deoxyribonucleoside triphosphate pools during 2-aminopurine mutagenesis in T4 mutator-, wild type-, and antimutator-infected Escherichia coli. Hopkins RL, et al. **J Biol Chem** 1985 Jun 10;260(11):6618-22

Analysis of adenosine kinase mutants of baby hamster kidney cells using affinity-purified antibody. Juranka P, et al. **J Biol Chem** 1985 Jun 25;260(12):7738-43

Biochemical characterization of a paraquat-tolerant mutant of Escherichia coli. Kao SM, et al. **J Biol Chem** 1985 Sep 5;260(19):10478-81

The mutational specificity of DNA polymerase-beta during in vitro DNA synthesis. Production of frameshift, base substitution, and deletion mutations. Kunkel TA. **J Biol Chem** 1985 May 10;260(9):5787-96

Expression of thymidine kinase and dihydrofolate reductase genes in mammalian ts mutants of the cell cycle. Liu HT, et al. **J Biol Chem** 1985 Mar 25;260(6):3269-74

On the molecular basis of transition mutations. Frequency of forming 2-aminopurine-cytosine base mispairs in the G X C----A X T mutational pathway by T4 DNA polymerase in vitro. Mhaskar DN, et al. **J Biol Chem** 1984 Oct 10;259(19):11713-7

Simian virus 40 maturation in cells harboring mutants deleted in the agnogene. Ng SC, et al. **J Biol Chem** 1985 Jan 25; 260(2):1127-32

Osteogenesis imperfecta: cloning of a pro-alpha 2(I) collagen gene with a frameshift mutation. Pihlajaniemi T, et al. **J Biol Chem** 1984 Nov 10;259(21):12941-4

Initiation codon mutation as a cause of alpha thalassemia. Pirastu M, et al. **J Biol Chem** 1984 Oct 25;259(20):12315-7

Mutational analysis of primosome assembly sites. II. Role of secondary structure in the formation of active sites. Soeller W, et al. **J Biol Chem** 1984 Nov 25; 259(22):14293-300

Functional analysis of a beta-globin gene containing a TATA box mutation from a Kurdish Jew with beta thalassemia. Surrey S, et al. **J Biol Chem** 1985 Jun 10;260(11):6507-10

Amino-terminal processing of mutant forms of yeast iso-1-cytochrome c. The specificities of methionine aminopeptidase and acetyltransferase. Tsunasawa S, et al. **J Biol Chem** 1985 May 10;260(9):5382-91

Genetic and biochemical analysis of mutation(s) affecting ricin internalization in Chinese hamster ovary cells. Wellner RB, et al. **J Biol Chem** 1984 Oct 25;259(20):12788-93

Lateral diffusion of wild-type and mutant Ld antigens in L cells. Edidin M, et al. **J Cell Biol** 1984 Dec;99(6):2333-5

A heat shock-resistant mutant of Saccharomyces cerevisiae shows constitutive synthesis of two heat shock proteins and altered growth. Iida H, et al. **J Cell Biol** 1984 Oct; 99(4 Pt 1):1441-50

Giant axonal neuropathy: a conditional mutation affecting cytoskeletal organization. Klymkowsky MW, et al. **J Cell Biol** 1985 Jan;100(1):245-50

A single mutation in Chinese hamster ovary cells impairs both Golgi and endosomal functions. Robbins AR, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1296-308

Reduced level of secretion and absence of subunit combination for the fibroin synthesized by a mutant silkworm, Nd(2). Takei F, et al. **J Cell Biol** 1984 Dec; 99(6):2005-10

Mutations of the Rous sarcoma virus env gene that affect the transport and subcellular location of the glycoprotein products. Wills JW, et al. **J Cell Biol** 1984 Dec; 99(6):2011-23

A cloning assay for 6-thioguanine resistance provides evidence against certain somatic mutational theories of aging. Horn PL, et al. **J Cell Physiol** 1984 Nov; 121(2):309-15

Abortive transformation of temperature-sensitive mutants of rat 3Y1 cells by simian virus 40: effect of cellular arrest states on entry into S phase and cellular proliferation. Mitsudomi T, et al. **J Cell Physiol** 1985 Jun;123(3):353-60

Analysis of a mutant expressing temperature-sensitive changes of cell size in Tetrahymena. Palissa H, et al. **J Cell Physiol** 1985 Jun;123(3):361-8

Serum-independent regulation of initiation of DNA synthesis relating to temperature-sensitive defect in rat 3Y1tsD123 fibroblasts and its compensation by simian virus 40. Zaitsu H, et al. **J Cell Physiol** 1985 Jun;123(3):305-9

Incomplete contact site A glycoprotein in HL220, a modB mutant of Dictyostelium discoideum. Gerisch G, et al. **J Cell Sci** 1985 Feb;73:49-68

A mutant of Chlamydomonas reinhardtii that lacks the flagellar outer dynein arm but can swim. Kamiya R, et al. **J Cell Sci** 1985 Mar;74:181-91

Identification of a point mutation in the adenosine deaminase gene responsible for immunodeficiency. Bonthron DT, et al. **J Clin Invest** 1985 Aug;76(2):894-7

Acute intermittent porphyria: characterization of a novel mutation in the structural gene for porphobilinogen deaminase. Demonstration of noncatalytic enzyme intermediates stabilized by bound substrate. Desnick RJ, et al. **J Clin Invest** 1985 Aug;76(2):865-74

Reduced affinity of the androgen receptor for 5 alpha-dihydrotestosterone but not methyltrienolone in a form of partial androgen resistance. Studies on cultured genital skin fibroblasts. Pinsky L, et al. **J Clin Invest** 1985 Apr;75(4):1291-6

Mutations in collagen genes. Consequences for rare and common diseases. Prockop DJ. **J Clin Invest** 1985 Mar; 75(3):783-7 (31 ref.)

New mutants of apolipoprotein E associated with atherosclerotic diseases but not to type III hyperlipoproteinemia. Yamamura T, et al. **J Clin Invest** 1984 Oct;74(4):1229-37

Effects of the muscular dysgenesis gene on developmental stability in the mouse mandible. Atchley WR, et al. **J Craniofac Genet Dev Biol** 1984;4(3):179-89

Lactate dehydrogenase-deficient mutants of serotype g Streptococcus mutans. Salem HH, et al. **J Dent Res** 1985 Oct;64(10):1191-4

Abnormal skin development in pupoid foetus (pf/pf) mutant mice. Fisher C, et al. **J Embryol Exp Morphol** 1985 Jun;87:47-64

Mutational analysis of patterning of oral structures in Tetrahymena. I. Effects of increased size on organization. Frankel J, et al. **J Embryol Exp Morphol** 1984 Aug;82:41-66

Mutational analysis of patterning of oral structures in Tetrahymena. II. A graded basis for the individuality of intracellular structural arrays. Frankel J, et al. **J Embryol Exp Morphol** 1984 Aug;82:67-95

The development of fused- embryos of Drosophila melanogaster. Martinez-Arias A. **J Embryol Exp Morphol** 1985 Jun;87:99-114

The origin of pattern duplications in segment polarity mutants of Drosophila melanogaster. Martinez-Arias A, et al. **J Embryol Exp Morphol** 1985 Jun;87:129-35

Experimental analysis of the role of the ZPA in the development of the wing buds of wingless (ws) mutant embryos. Wilson DJ, et al. **J Embryol Exp Morphol** 1985 Feb;85:271-83

Increased cytotoxicity of normal rabbit serum for lectin-resistant mutants of animal cells. Jones C. **J Exp Med** 1984 Oct 1;160(4):1241-6

Evidence that the ectoderm is the affected germ layer in the wingless mutant chick embryo. Carrington JL, et al. **J Exp Zool** 1984 Nov;232(2):297-308

The location of a mutation affecting ribosomal protein synthesis by Escherichia coli. Butler PD, et al. **J Gen Microbiol** 1985 Jan;131 (Pt 1):135-44

Interactions between mutations affecting ribosome synthesis in Escherichia coli. Butler PD, et al. **J Gen Microbiol** 1985 Apr;131 (Pt 4):945-9

The effects of wall populations on coexistence of bacteria in the liquid phase of chemostat cultures. Chao L, et al. **J Gen Microbiol** 1985 May;131 (Pt 5):1229-36

Isolation and characterization of Streptomyces venezuelae mutants blocked in chloramphenicol biosynthesis. Doull J, et al. **J Gen Microbiol** 1985 Jan;131 (Pt 1):97-104

Use of homocysteic acid for selecting mutants at the gltS locus of Escherichia coli K12. Essenberg RC. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1311-4

NAD metabolism in Salmonella typhimurium: isolation of pyridine analogue supersensitive (pas) and pas suppressor mutants. Foster JW, et al. **J Gen Microbiol** 1984 Nov;130 (Pt 11):2873-81

Accumulation of peptides by mycobacillin-negative mutants of Bacillus subtilis B3. Majumder S, et al. **J Gen Microbiol** 1985 Jan;131 (Pt 1):119-27

Isolation, characterization and mapping of mandelate pathway mutants of Acinetobacter calcoaceticus. Vakeria D, et al. **J Gen Microbiol** 1984 Nov;130 (Pt 11):2893-903

A Salmonella typhimurium strain defective in uracil catabolism and beta-alanine synthesis. West TP, et al. **J Gen Microbiol** 1985 May;131 (Pt 5):1083-90

Adenine phosphoribosyltransferase mutants in Saccharomyces cerevisiae. Woods RA, et al. **J Gen Microbiol** 1984 Oct;130 (Pt 10):2629-37

Effects of transition mutations in the regulatory locus spoIIA on the incidence of sporulation in Bacillus subtilis. Yudkin MD, et al. **J Gen Microbiol** 1985 Apr;131 (Pt 4):959-62

Transmissible gastroenteritis (TGE) of swine: survivor selection of TGE virus mutants in stomach juice of adult pigs. Aynaud JM, et al. **J Gen Virol** 1985 Sep;66 (Pt 9):1911-7

A mutant of fowl plague virus (influenza A) with an enhanced electrophoretic mobility of RNA segment 8. Bürger H, et al. **J Gen Virol** 1985 Aug;66 (Pt 8):1679-86

Comparative studies of A/Leningrad/134/57 wild-type and 47-times passaged cold-adapted mutant influenza viruses: oligonucleotide mapping and RNA-RNA hybridization studies. Cox NJ, et al. **J Gen Virol** 1985 Aug;66 (Pt 8):1697-704

Recovery of host cell protein synthesis during infection with a temperature-sensitive mutant of Newcastle disease virus. Harper DR, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):2049-54

Increased mutation frequency after herpes simplex virus type 2 infection in non-permissive XC cells. Pilon L, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):259-65

Mutagenesis of a herpes simplex virus origin of DNA replication and its effect on viral interference. Stow ND. **J Gen Virol** 1985 Jan;66 (Pt 1):31-42

Physiological characterization of influenza virus temperature-sensitive mutants defective in the haemagglutinin gene. Ueda M, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):1889-97

Lysosomal mutations inhibit lipofuscinosis of the spleen in C57BL mice. Ahmed F, et al. **J Hered** 1985 Jul-Aug;76(4):311-2

A red stripe mutant and its relationship in an allelic series in Anopheles quadrimaculatus. Mitchell SE, et al. **J Hered** 1984 Sep-Oct;75(5):421-2

Four new mutations and a linkage map of species A of Anopheles culicifacies. Sakai RK, et al. **J Hered** 1985 Mar-Apr;76(2):140-1

Congenital quiver, an inherited neurological defect in the chicken. Smyth JR Jr, et al. **J Hered** 1985 Jul-Aug;76(4):263-6

Inheritance of tweed, a modification of merle, in Australian shepherd dogs. Sponenberg DP, et al. **J Hered** 1985 Jul-Aug;76(4):303-4

An inherited agent of mutation with chromosome damage in wild mice. Wallace ME. **J Hered** 1985 Jul-Aug;76(4):271-8

Conversion by corynephages and its role in the natural history of diphtheria. Groman NB. **J Hyg (Lond)** 1984 Dec;93(3):405-17

The structure-function relationship of I-A molecules: correlation of serologic and functional phenotypes of four I-Ak mutant cell lines. Beck BN, et al. **J Immunol** 1984 Dec;133(6):3176-82

In vitro mutagenesis of a mouse MHC class I gene for the examination of structure-function relationships. Shiroishi T, et al. **J Immunol** 1985 Jan;134(1):623-9

Localization of the human MHC-linked complement genes between HLA-B and HLA-DR by using HLA mutant cell lines. Whitehead AS, et al. **J Immunol** 1985 Jan;134(1):641-3

Multiple control elements involved in the initiation of SV40 late transcription. Rio DC, et al. **J Mol Appl Genet** 1984;2(5):423-35

DNA binding and mutation spectra of the carcinogen N-2-aminofluorene in Escherichia coli. A correlation between the conformation of the premutagenic lesion and the mutation specificity. Bichara M, et al. **J Mol Biol** 1985 Jun 5;183(3):341-51

A mutant lactose repressor with altered inducer and operator binding parameters. Chakerian AE, et al. **J Mol Biol** 1985 May 5;183(1):43-51

Mutations upstream of the ribosome-binding site affect translational efficiency. Coleman J, et al. **J Mol Biol** 1985 Jan 5;181(1):139-43

Simian virus 40 early promoter mutations that affect promoter function and autoregulation by large T antigen. Das GC, et al. **J Mol Biol** 1985 Mar 20;182(2):229-39

Multiple origin usage for DNA replication in sdrA(rnh) mutants of Escherichia coli K-12. Initiation in the absence of oriC. de Massy B, et al. **J Mol Biol** 1984 Sep 15;178(2):227-36

Sequence analysis of mutations that affect the synthesis, assembly and enzymatic activity of the unc-54 myosin heavy chain of Caenorhabditis elegans. Dibb NJ, et al. **J Mol Biol** 1985 Jun 25;183(4):543-51

Point mutations that affect translation initiation in the Escherichia coli gal E gene. Dreyfus M, et al. **J Mol Biol** 1985 Apr 5;182(3):411-7

Gene X of bacteriophage f1 is required for phage DNA synthesis. Mutagenesis of in-frame overlapping genes. Fulford W, et al. **J Mol Biol** 1984 Sep 15;178(2):137-53

Apparent alteration in properties of arl mutants of Escherichia coli. Hays JB, et al. **J Mol Biol** 1985 Apr 20;182(4):611-2

Characterization by deletion mutagenesis in vitro of the promoter region of ompF, a positively regulated gene of Escherichia coli. Inokuchi K, et al. **J Mol Biol** 1984 Sep 25;178(3):653-68

An Escherichia coli mutant unable to support site-specific recombination of bacteriophage lambda. Kikuchi A, et al. **J Mol Biol** 1985 May 25;183(2):129-40

DNA rearrangements of the actin gene cluster in Caenorhabditis elegans accompany reversion of three muscle mutants. Landel CP, et al. **J Mol Biol** 1984 Dec 15;180(3):497-513

Sequence analysis of ultraviolet-induced mutations in M13lacZ hybrid phage DNA. LeClerc JE, et al. **J Mol Biol** 1984 Dec 5;180(2):217-37

Identification and characterization of mutants affecting transcription termination at the threonine operon attenuator. Lynn SP, et al. **J Mol Biol** 1985 Jun 25;183(4):529-41

A frameshift mutation at the junction of an IS1 insertion within lacZ restores beta-galactosidase activity via formation of an active lacZ-IS1 fusion protein. Malamy MH, et al. **J Mol Biol** 1985 Feb 20;181(4):551-5

UGA nonsense mutation in the alcohol dehydrogenase gene of Drosophila melanogaster. Martin PF, et al. **J Mol Biol** 1985 Jul 20;184(2):221-9

Control of phenylalanyl-tRNA synthetase genetic expression. Site-directed mutagenesis of the pheS, T operon regulatory region in vitro. Mayaux JF, et al. **J Mol Biol** 1985 Jul 5;184(1):31-44

Mutagenic specificity of ultraviolet light. Miller JH. **J Mol Biol** 1985 Mar 5;182(1):45-65

Construction of plasmids carrying lacI mutations. Miller JH, et al. **J Mol Biol** 1985 Mar 5;182(1):65-8

lacZ translation initiation mutations. Munson LM, et al. **J Mol Biol** 1984 Aug 25;177(4):663-83

Mutations that alter the DNA binding site for the bacteriophage lambda cII protein and affect the translation efficiency of the cII gene. Place N, et al. **J Mol Biol** 1984 Dec 25;180(4):865-80

Partial suppression of an ochre mutation in Saccharomyces cerevisiae by multicopy plasmids containing a normal yeast tRNAGln gene. Pure GA, et al. **J Mol Biol** 1985 May 5;183(1):31-42

Site-specific mutagenesis of Escherichia coli gltT yields a weak, glutamic acid-inserting ochre suppressor. Raftery LA, et al. **J Mol Biol** 1985 Jul 20;184(2):343-5

Mutagenic SOS repair of site-specific psoralen damage in plasmid pBR322. Saffran WA, et al. **J Mol Biol** 1984 Sep 25;178(3):595-609

A mutation in an Escherichia coli ribosomal RNA operon that blocks the production of precursor 23 S ribosomal RNA by RNase III in vivo and in vitro. Stark MJ, et al. **J Mol Biol** 1985 Mar 20;182(2):205-16

Effects of site-directed mutations in the central domain of 16 S ribosomal RNA upon ribosomal protein binding, RNA processing and 30 S subunit assembly. Stark MJ, et al. **J Mol Biol** 1984 Sep 15;178(2):303-22

Segregation of mutant ovalbumins and ovalbumin-globin fusion proteins in Xenopus oocytes. Identification of an ovalbumin signal sequence. Tabe L, et al. **J Mol Biol** 1984 Dec 15;180(3):645-66

Dominant mutations affecting muscle structure in Caenorhabditis elegans that map near the actin gene cluster. Waterston RH, et al. **J Mol Biol** 1984 Dec 15;180(3):473-96

Sequence-specific recognition of DNA. Nuclear magnetic resonance assignments and structural comparison of wild-type and mutant lambda OR3 operator DNA. Wemmer DE, et al. **J Mol Biol** 1984 Nov 25;180(1):41-60

An estimate on the effect of point mutation and natural selection on the rate of amino acid replacement in proteins. Frömmel C, et al. **J Mol Evol** 1984-85;21(3):233-57

Nonrandomness of point mutation as reflected in nucleotide substitutions in pseudogenes and its evolutionary implications. Li WH, et al. **J Mol Evol** 1984;21(1):58-71

Characterization of cytoplasmic factors which complement Ca2+ channel mutations in Paramecium tetraurelia. Haga N, et al. **J Neurogenet** 1984 Sep;1(3):259-74

Choline acetyltransferase and acetylcholine levels in Drosophila melanogaster: a study using two temperature-sensitive mutants. Salvaterra PM, et al. **J Neurosci** 1985 Apr;5(4):903-10

Mutations affecting the 12th and 61st amino acids of p21 protein result in decreased probability of beta-turn occurrence around the mutation positions: a prediction. Murakami M. **J Theor Biol** 1985 May 21;114(2):193-8

Information content and one point mutations in DNA. Sitaram BR, et al. **J Theor Biol** 1984 Oct 21;110(4):523-32

Bacterial and mammalian cell mutagenesis, sister-chromatid exchange, and mouse lung adenoma bioassay with the antineoplastic acridine derivative amsacrine. de la Iglesia FA, et al. **J Toxicol Environ Health** 1984;14(5-6):667-81

Effect of oxygen and superoxide anion on mutation rate in Ames test. Yokota T, et al. **J Toxicol Sci** 1985 May;10(2):95-100

Middle tumor antigen of polyomavirus transformation-defective mutant NG59 is associated with pp60c-src. Bolen JB, et al. **J Virol** 1985 Jan;53(1):114-9

A deletion mutation in the 5' part of the pol gene of Moloney murine leukemia virus blocks proteolytic processing of the gag and pol polyproteins. Crawford S, et al. **J Virol** 1985 Mar;53(3):899-907

Effect of aphidicolin on vaccinia virus: isolation of an aphidicolin-resistant mutant. DeFilippes FM. **J Virol** 1984 Nov;52(2):474-82

A single amino acid substitution in a hydrophobic domain causes temperature-sensitive cell-surface transport of a mutant viral glycoprotein. Gallione CJ, et al. **J Virol** 1985 May;54(2):374-82

Herpes simplex virus type 1 glycoprotein C-negative mutants exhibit multiple phenotypes, including secretion of truncated glycoproteins. Holland TC, et al. **J Virol** 1984 Nov;52(2):566-74

Aberrant polyadenylation by a vesicular stomatitis virus mutant is due to an altered L protein. Hunt DM, et al. **J Virol** 1984 Nov;52(2):515-21

Characterization of a new simian virus 40 mutant, tsA3900, isolated from deletion mutant tsA1499. Hutchinson NI, et al. **J Virol** 1985 Mar;53(3):814-21

Mutational mechanisms by which an inactive replication origin of bacteriophage M13 is turned on are similar to mechanisms of activation of ras proto-oncogenes. Kim MH, et al. **J Virol** 1985 Mar;53(3):871-8

A thermolabile mutant of adenovirus 5 resulting from a substitution mutation in the protein VIII gene. Liu GQ, et al. **J Virol** 1985 Mar;53(3):920-5

Hemagglutinin-neuraminidase glycoprotein as a determinant of pathogenicity in mumps virus hamster encephalitis: analysis of mutants selected with monoclonal antibodies. Löve A, et al. **J Virol** 1985 Jan;53(1):67-74

A weakly pathogenic Rauscher spleen focus-forming virus mutant that lacks the carboxyl-terminal membrane anchor of its envelope glycoprotein. Machida CA, et al. **J Virol** 1985 Mar;53(3):990-3

Adenovirus 12 nononcogenic mutants: oncogenicity of transformed cells and viral proteins synthesized in vivo and in vitro. Mak I, et al. **J Virol** 1984 Nov;52(2):687-90

Genetic and biochemical analysis of transformation-competent, replication-defective simian virus 40 large T antigen mutants. Manos MM, et al. **J Virol** 1985 Jan;53(1):120-7

Assignment of the temperature-sensitive lesion in the replication mutant A1 of vesicular stomatitis virus to the N gene. Marks MD, et al. **J Virol** 1985 Jan;53(1):44-51

Cellular localization of the transforming protein of wild-type and temperature-sensitive Fujinami sarcoma virus. Moss P, et al. **J Virol** 1984 Nov;52(2):557-65

DNA sequence alterations responsible for the synthesis of thermosensitive VP1 in temperature-sensitive BC mutants of simian virus 40. Ng SC, et al. **J Virol** 1985 May;54(2):646-9

Anatomy of the herpes simplex virus 1 strain F glycoprotein B gene: primary sequence and predicted protein structure of the wild type and of monoclonal antibody-resistant mutants. Pellett PE, et al. **J Virol** 1985 Jan;53(1):243-53

Mutations near the carboxyl terminus of the simian virus 40 large tumor antigen alter viral host range. Pipas JM

J Virol 1985 May;54(2):569–75

Nucleotide sequence of the temperate Bacillus subtilis bacteriophage SPO2 DNA polymerase gene L. Rådén B, et al. **J Virol** 1984 Oct;52(1):9–15

Coevolution of cells and virus as a mechanism for the persistence of lymphotropic minute virus of mice in L–cells. Ron D, et al. **J Virol** 1985 Aug;55(2):424–30

Formation of a host range mutant of the lymphotropic strain of minute virus of mice during persistent infection in mouse L cells. Ron D, et al. **J Virol** 1984 Oct;52(1):63–9

Rabies virulence: effect on pathogenicity and sequence characterization of rabies virus mutations affecting antigenic site III of the glycoprotein. Seif I, et al. **J Virol** 1985 Mar;53(3):926–34

Spontaneous temperature–sensitive mutations in bacteriophage T7. Stone JC, et al. **J Virol** 1985 Jun; 54(3):886–8

Protection of mice from wild–type Sendai virus infection by a trypsin–resistant mutant, TR–2. Tashiro M, et al. **J Virol** 1985 Jan;53(1):228–34

Development and analysis of a transformation–defective mutant of Harvey murine sarcoma tk virus and its gene product. Weeks MO, et al. **J Virol** 1985 May;54(2):586–97

Mutations in the gene encoding the adenovirus early region 1B 19,000–molecular–weight tumor antigen cause the degradation of chromosomal DNA. White E, et al. **J Virol** 1984 Nov;52(2):410–9

A 1.6–kilobase–pair fragment in the genome of the ts1 mutant of Moloney murine leukemia virus TB that is associated with temperature sensitivity, nonprocessing of Pr80env, and paralytogenesis. Yuen PH, et al. **J Virol** 1985 May; 54(2):364–73

Partial reversion of the metastatic phenotype in a wheat germ agglutinin–resistant mutant of the murine tumor cell line MDAY–D2 selected with Bandeiraea simplicifolia seed lectin. Dennis JW. **JNCI** 1985 May;74(5):1111–20

1,6–Dinitropyrene: mutagenicity in Salmonella and carcinogenicity in BALB/c mice. Tokiwa H, et al. **JNCI** 1984 Dec;73(6):1359–63

Oncogenecity of an avian erythroblastosis virus in mutant strains of Japanese quails. Morikawa S, et al. **Jpn J Med Sci Biol** 1984 Jun;37(3):105–16

Restoration of anaerobic character of the facultative anaerobe mutant of Bifidobacterium in germfree mice which have a single generation of corpus luteum. Haraguchi Y. **Kitasato Arch Exp Med** 1984 Sep;57(3):239–41

Restoration of anaerobic character in germfree mice of the facultative anaerobe mutant of Bifidobacterium (I). Haraguchi Y, et al. **Kitasato Arch Exp Med** 1984 Sep; 57(3):227–32

A new mutant at the Dystrophia muscularis (dy) locus in the SM strain of mice. Hayakawa J, et al. **Lab Anim** 1985 Jan;19(1):1–2

Prenatal diagnosis of beta–thalassaemia with the synthetic–oligomer technique. Rosatelli C, et al. **Lancet** 1985 Feb 2;1(8423):241–3

Mutation frequency in human lymphocytes increases with age. Trainor KJ, et al. **Mech Ageing Dev** 1984 Sep; 27(1):83–6

Three steps mutation model of carcinogenesis. De Braekeleer M. **Med Hypotheses** 1984 Aug;14(4):363–71

Yeast sterols: yeast mutants as tools for the study of sterol metabolism. Parks LW, et al. **Methods Enzymol** 1985; 111:333–46

Mutagenic repair in Escherichia coli. X. The umuC gene product may be required for replication past pyrimidine dimers but not for the coding error in UV–mutagenesis. Bridges BA, et al. **MGG** 1984;196(2):364–6

Circadian rhythms in Neurospora crassa: the effects of point mutations on the proteolipid portion of the mitochondrial ATP synthetase. Brody S, et al. **MGG** 1985;200(1):155–61

Excision of copia element in a revertant of the white–apricot mutation of Drosophila melanogaster leaves behind one long–terminal repeat. Carbonare BD, et al. **MGG** 1985; 199(1):1–6

Isolation of the catalase A gene of Saccharomyces cerevisiae by complementation of the cta1 mutation. Cohen G, et al. **MGG** 1985;200(1):74–9

A temperature–sensitive mutation constructed by 'linker insertion' mutagenesis. Colicelli J, et al. **MGG** 1985; 199(3):537–9

Vectors for transposon mutagenesis of non–enteric bacteria. Ely B. **MGG** 1985;200(2):302–4

An integration–proficient int mutant of bacteriophage lambda. Enquist LW, et al. **MGG** 1984;195(1–2):62–9

Characterization of a mutation conferring radiation sensitivity, ior, located close to the gene coding for deoxycytidine deaminase in Escherichia coli. Estevenon AM, et al. **MGG** 1985;200(1):132–7

Changes in gene expression elicited by amino acid limitation in Neurospora crassa strains having normal or mutant cross–pathway amino acid control. Flint HJ. **MGG** 1985; 200(2):283–90

Mutations not altering the symmetrical sequences in the trp operator yield a constitutive phenotype. Grosfeld H, et al. **MGG** 1984;195(1–2):358–60

Fine structure genetic map and complementation analysis of mutations in the dnaA gene of Escherichia coli. Hansen EB, et al. **MGG** 1984;196(3):387–96

Heat shock induces chromosome loss in the yeast Candida albicans. Hilton C, et al. **MGG** 1985;200(1):162–8

RNase H–defective mutants of Escherichia coli: a possible discriminatory role of RNase H in initiation of DNA replication. Horiuchi T, et al. **MGG** 1984;195(1–2):17–22

Mutagenesis in yeast–misreplication or misrepair? Kilbey BJ. **MGG** 1984;197(3):519–21

Refined genetic analysis of the region II che mutants in Salmonella typhimurium. Kutsukake K, et al. **MGG** 1985; 199(3):406–9

Comparative analysis of UV–induced mutability of ten different codon units in position 211 of the Escherichia coli trpA gene. Langhammer R, et al. **MGG** 1984; 196(3):530–2

REV7, a new gene concerned with UV mutagenesis in yeast. Lawrence CW, et al. **MGG** 1985;200(1):80–5

UV and chemical mutagenesis in rev7 mutants of yeast. Lawrence CW, et al. **MGG** 1985;200(1):86–91

Interaction of an antimutator gene with DNA repair pathways in Escherichia coli K–12. Lyons SM, et al. **MGG** 1985;198(2):336–47

Response of S. cerevisiae to N–methyl–N'–nitro–N–nitrosoguanidine: mutagenesis, survival and DDR gene expression. Maga JA, et al. **MGG** 1985;200(2):313–21

Oligonucleotide directed mutagenesis: selection of mutants by hemimethylation of GATC–sequences. Marmenout A, et al. **MGG** 1984;195(1–2):126–33

Mutations of the Adh1 gene in maize following infection with barley stripe mosaic virus. Mottinger JP, et al. **MGG** 1984;195(1–2):367–9

The recQ gene of Escherichia coli K12: molecular cloning and isolation of insertion mutants. Nakayama K, et al. **MGG** 1985;200(2):266–71

The giant (gt) mutants of Drosophila melanogaster alter DNA metabolism. Narachi MA, et al. **MGG** 1985; 199(3):500–6

Suppressors of temperature–sensitive mutations in a ribosomal protein gene, rpsL (S12), of Escherichia coli K12. Nashimoto H, et al. **MGG** 1985;199(3):381–7

Mitochondrial resistance to miconazole in Saccharomyces cerevisiae. Portillo F, et al. **MGG** 1985;199(3):495–9

Mutation affecting the specific regulatory control of lysine biosynthetic enzymes in Saccharomyces cerevisiae. Ramos F, et al. **MGG** 1985;200(2):291–4

Growth and macromolecular synthesis phenotypes of a heat–sensitive mutant strain, rip–1, of Neurospora crassa. Russell PJ, et al. **MGG** 1985;200(2):247–51

Unstable mutations caused by regional tandem multiplications in the gene for ribosomal protein S4 show thermosensitivity in Escherichia coli. Schnier J, et al. **MGG** 1985; 199(2):265–70

Characterization of meiosis–deficient mutants by electron microscopy and mapping of four essential genes in the fission yeast Schizosaccharomyces pombe. Shimoda C, et al. **MGG** 1985;200(2):252–7

Genetic analysis of Saccharomyces cerevisiae SY 15 relaxed mutant. Stateva LI, et al. **MGG** 1984;195(1–2):234–7

Direct selection of mutants influencing gene conversion in the yeast Schizosaccharomyces pombe. Thuriaux P. **MGG** 1985;199(3):365–71

Isolation and characterization of regulatory mutations affecting the expression of the guaBA operon of Escherichia coli K–12. Tiedeman AA, et al. **MGG** 1984; 195(1–2):77–82

Recessive lethal mutations within the bithorax–complex in Drosophila. Tiong S, et al. **MGG** 1985;200(2):335–42

Mutant of Escherichia coli with unusual patterns of rpoB,C expression in response to rifampicin and acridine orange. Tittawella IP. **MGG** 1985;200(1):114–7

Isolation and physical mapping of temperature–sensitive mutants defective in heat–shock induction of proteins in Escherichia coli. Tobe T, et al. **MGG** 1984;195(1–2):10–6

Selection against hypermutability in Escherichia coli during long term evolution. Tröbner W, et al. **MGG** 1984; 198(1):177–8

Competition between isogenic mutS and mut+ populations of Escherichia coli K12 in continuously growing cultures. Tröbner W, et al. **MGG** 1984;198(1):175–6

Tn501 insertion mutagenesis in Pseudomonas aeruginosa PAO. Tsuda M, et al. **MGG** 1984;196(3):494–500

Isolation and characterization of rho mutants of Escherichia coli with increased transcription termination activities. Tsurushita N, et al. **MGG** 1984;196(3):458–64

Properties of an E. coli O26 mutant with modified cell wall and improved efficiency as recipient in conjugation for an FII plasmid. Molina AM, et al. **Microbiologica** 1984 Jul; 7(3):203–8

A bald superfertile U.V.–resistant strain in Streptomyces coelicolor A3(2). Puglia AM, et al. **Microbiologica** 1984 Jul;7(3):263–6

Biochemical and genetic analysis of an acatalasic rho+ mutant of Saccharomyces cerevisiae. Maqueda M, et al. **Microbios** 1985;42(167):17–25

On the aggregation of cells during growth and its effect on the isolation of auxotrophic mutants of Bacillus brevis ATCC 10068. Rao AS, et al. **Microbios** 1984; 40(161–162):135–44

Influence of the genetic background on cell division and cell lysis: behaviour of different Escherichia coli strains carrying the ts–52 or the ftsA–3 mutation. Tormo A, et al. **Microbios** 1985;42(168):111–7

Characterization of a mutant Leishmania donovani deficient in adenosine kinase activity. Iovannisci DM, et al. **Mol Biochem Parasitol** 1984 Jun;12(2):139–51

Allelic heterogeneity in adult hereditary fructose intolerance. Detection of structural mutations in the aldolase B molecule. Cox TM, et al. **Mol Biol Med** 1983 Nov; 1(4):393–400

Enhanced reactivation and enhanced mutagenesis of herpes simplex virus in normal human and xeroderma pigmentosum cells. Abrahams PJ, et al. **Mol Cell Biol** 1984 Nov;4(11):2341–6

Use of a cell cycle mutant to delineate the critical period for the control of histone mRNA levels in the mammalian cell cycle. Artishevsky A, et al. **Mol Cell Biol** 1984 Nov; 4(11):2364–9

High spontaneous mutation frequency in shuttle vector sequences recovered from mammalian cellular DNA. Ashman CR, et al. **Mol Cell Biol** 1984 Nov;4(11):2266–72

Mutants of PC12 cells with altered cyclic AMP responses. Block T, et al. **Mol Cell Biol** 1984 Oct;4(10):2091–7

Induction of a step in carcinogenesis that is normally associated with mutagenesis by nonmutagenic concentrations of 5–azacytidine. Bouck N, et al. **Mol Cell Biol** 1984 Jul;4(7):1231–7

Loss of a consensus splice signal in a mutant immunoglobulin gene eliminates the CH1 domain exon from the mRNA. Brandt CR, et al. **Mol Cell Biol** 1984 Jul;4(7):1270–7

Deletion mutations affecting autonomously replicating sequence ARS1 of Saccharomyces cerevisiae. Celniker SE, et al. **Mol Cell Biol** 1984 Nov;4(11):2455–66

Isolation of Chinese hamster ovary cells that overproduce asparaginyl–tRNA synthetase. Cirullo RE, et al. **Mol Cell Biol** 1984 Sep;4(9):1939–41

Mendelian and non–mendelian mutations affecting surface antigen expression in Paramecium tetraurelia. Epstein LM, et al. **Mol Cell Biol** 1984 Aug;4(8):1583–90

Identification of regulatory regions within the Ty1 transposable element that regulate iso–2–cytochrome c production in the CYC7–H2 yeast mutant. Errede B, et al. **Mol Cell Biol** 1984 Jul;4(7):1393–401

Structural alterations of the aprt locus induced by deoxyribonucleoside triphosphate pool imbalances in Chinese hamster ovary cells. Goncalves O, et al. **Mol Cell Biol** 1984 Sep;4(9):1792–9

Griseofulvin resistance mutation of Chinese hamster ovary cells that affects the apparent molecular weight of a congruent to 200,000–dalton protein. Gupta RS. **Mol Cell Biol** 1984 Sep;4(9):1761–8

Structure of the SAD mutation and the location of control sites at silent mating type genes in Saccharomyces cerevisiae. Hicks J, et al. **Mol Cell Biol** 1984 Jul; 4(7):1278–85

Expression of the Escherichia coli dam methylase in Saccharomyces cerevisiae: effect of in vivo adenine methylation on genetic recombination and mutation. Hoekstra MF, et al. **Mol Cell Biol** 1985 Apr;5(4):610–8

Mutation of a termination codon affects src initiation. Hughes S, et al. **Mol Cell Biol** 1984 Sep;4(9):1738–46

DNA replication and chromatin structure of simian virus 40 insertion mutants. Innis JW, et al. **Mol Cell Biol** 1984 Aug; 4(8):1499–507

Replication of DNA containing 5–bromouracil can be mutagenic in Syrian hamster cells. Kaufman ER. **Mol Cell Biol** 1984 Nov;4(11):2449–54

Molecular cloning and characterization of mutant and wild–type human beta–actin genes. Leavitt J, et al. **Mol Cell Biol** 1984 Oct;4(10):1961–9

Transfected DNA is mutated in monkey, mouse, and human cells. Lebkowski JS, et al. **Mol Cell Biol** 1984 Oct; 4(10):1951–60

Selection of cell lines resistant to anti–transferrin receptor antibody: evidence for a mutation in transferrin receptor. Lesley JF, et al. **Mol Cell Biol** 1984 Sep;4(9):1675–81

A polyoma mutant that encodes small T antigen but not middle T antigen demonstrates uncoupling of cell surface and cytoskeletal changes associated with cell transformation. Liang TJ, et al. **Mol Cell Biol** 1984 Dec; 4(12):2774–83

Isolation and characterization of the Beadex locus of Drosophila melanogaster: a putative cis–acting negative regulatory element for the heldup–a gene. Mattox WW, et al. **Mol Cell Biol** 1984 Jul;4(7):1343–53

Thymidine–requiring mutants of Dictyostelium discoideum. Podgorski G, et al. **Mol Cell Biol** 1984 Dec;4(12):2784–91

Error–prone mutagenesis detected in mammalian cells by a shuttle vector containing the supF gene of Escherichia coli. Sarkar S, et al. **Mol Cell Biol** 1984 Oct;4(10):2227–30

Functional domains of the pp60v–src protein as revealed by analysis of temperature–sensitive Rous sarcoma virus mutants. Stoker AW, et al. **Mol Cell Biol** 1984 Aug; 4(8):1508–14

Immunological and genetic characterization of 2–deoxygalactose–resistant, galactokinase–deficient mutants of Chinese hamster cells: evidence for structural mutations at the galK locus. Talbot B, et al. **Mol Cell Biol** 1984 Nov;4(11):2413–9

Detection of deletion mutations in pSV2gpt–transformed cells. Tindall KR, et al. **Mol Cell Biol** 1984 Jul;4(7):1411–5

Efficient transformation of human fibroblasts by adenovirus–simian virus 40 recombinants. Van Doren K, et al. **Mol Cell Biol** 1984 Aug;4(8):1653–6

Isolation and characterization of revertants from four different classes of aryl hydrocarbon hydroxylase–deficient hepa–1 mutants. Van Gurp JR, et al. **Mol Cell Biol** 1984 Aug;4(8):1597–604

Characterization of a ts mutant of BALB/3T3 cells and correction of the defect by in vitro addition of extracts from wild-type cells. Zeng GC, et al. **Mol Cell Biol** 1984 Sep;4(9):1815-22

Saccharomyces cerevisiae ribosomes recognize non-AUG initiation codons. Zitomer RS, et al. **Mol Cell Biol** 1984 Jul;4(7):1191-7

Gesellschaft für Umweltmutationsforschung (GUM): abstracts of papers presented at the 8th annual meeting of the GUM. 23-25 May, Wuppertal (F.R.G.). **Mutat Res** 1985 Jun;147(3):123-38

Mutational and recombinational events in carcinogen-modified plasmid DNA. Influence of host-cell repair genes. Abbott PJ. **Mutat Res** 1985 Jan-Mar; 145(1-2):25-34

Isolation and analysis of a mutant of Escherichia coli hyper-resistant to near-ultraviolet light plus 8-methoxypsoralen. Ahmad SI, et al. **Mutat Res** 1985 Aug; 151(1):43-7

Formaldehyde-induced mutagenesis: a novel mechanism for its action. Alderson T. **Mutat Res** 1985 Sep;154(2):101-10 (73 ref.)

Chromium(VI) and apparent phenotypic reversion in Salmonella TA100. Baker RS, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):127-32

Mutagenicity studies of p-substituted benzyl derivatives in the Ames Salmonella plate-incorporation assay. Ball JC, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):145-51

Mutagenicity of derivatives and metabolites of 1-nitropyrene: activation by rat liver S9 and bacterial enzymes. Ball LM, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):113-25

Interaction between mobile DNA-element-induced lethal mutations and chemical mutagens in the hybrid dysgenic system of Drosophila melanogaster. Blount JL, et al. **Mutat Res** 1985 Mar;149(1):33-40

Use of the terms mutagenicity and genotoxicity [letter] Bridges BA. **Mutat Res** 1984 Sep-Oct;132(3-4):139, 141-2

Genetic and biochemical investigation on chloral hydrate in vitro and in vivo. Bronzetti G, et al. **Mutat Res** 1984 Sep; 141(1):19-22

Lack of activity of the bacterial mutagen emodin in HGPRT and SCE assay with V79 Chinese hamster cells. Bruggeman IM, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):219-24

Plasmid-dosage effects on ultraviolet, visible light and methyl methanesulfonate mutagenesis in Salmonella typhimurium. Brunner DP, et al. **Mutat Res** 1985 Sep;151(2):185-94

The direct mutagenic activity of alpha, omega-dihalogenoalkanes in Salmonella typhimurium. Strong correlation between chemical properties and mutagenic activity. Buijs W, et al. **Mutat Res** 1984 Sep; 141(1):11-4

An evaluation of heterologous antibodies to lactate dehydrogenase-C in the detection of mutations. Burkhart JG, et al. **Mutat Res** 1985 Jan-Feb;148(1-2):135-49

Specific-locus mutation response to unequal, 1 + 9 Gy X-ray fractionations at 24-h and 4-day fraction intervals. Cattanach BM, et al. **Mutat Res** 1985 Mar;149(1):105-18

Codominant and recessive 9-beta-D-arabinofuranosyladenine-resistant mutations of baby hamster cells. Chan VL, et al. **Mutat Res** 1985 Mar; 149(1):141-6

The specificity of base-pair substitution induced by the mutL and mutS mutators in E. coli. Choy HE, et al. **Mutat Res** 1985 Mar;142(3):93-7

Mutagens in rat urine after dermal application of 1,3-diaminobenzene. Clemmensen S, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):137-43

A human cell line sensitive to mutation by particle-borne chemicals. Crespi CL, et al. **Mutat Res** 1985 Jul;157(1):71-5

Study of the mutagenic activity of 6 hepatotoxic pharmaceutical drugs in the Salmonella typhimurium microsome test, and the HGPRT and Na+/K+ ATPase system in cultured mammalian cells. Dayan J, et al. **Mutat Res** 1985 Jul;157(1):1-12

Mutagenicity testing with TA97 and TA102 of 30 DNA-damaging compounds, negative with other Salmonella strains. De Flora S, et al. **Mutat Res** 1984 Sep-Nov;134(2-3):159-65

Dimethyl methyl phosphonate induction of dominant lethal mutations in male mice. Dunnick JK, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):213-8

Distribution of MR-induced sex-linked recessive lethal mutations in Drosophila melanogaster. Eeken JC, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):261-75

UV-mutagenesis at a cloned target sequence: converted suppressor mutation is insensitive to mutation frequency decline regardless of the gene orientation. Engstrom J, et al. **Mutat Res** 1984 Nov-Dec;132(5-6):143-52

The effect of donor age on spontaneous and induced micronuclei. Fenech M, et al. **Mutat Res** 1985 Jan-Feb; 148(1-2):99-105

Three consistent patterns of response to substituted acridines in a variety of bacterial tester strains used for mutagenicity testing. Ferguson LR, et al. **Mutat Res** 1985 Jul; 157(1):29-37

Microcomputer programs for mutation studies using the Fisher exact test or the binomial approximation. Forbes C. **Mutat Res** 1984 Nov-Dec;141(3-4):205-10

NADPH-generating system: influence on microsomal mono-oxygenase stability during incubation for the liver-microsomal assay with rat and mouse S9 fractions. Forti GC, et al. **Mutat Res** 1984 Dec;129(3):281-97

An analysis of the spectra of genetic activity produced by known or suspected human carcinogens. Garrett NE, et al. **Mutat Res** 1984 Sep-Nov;134(2-3):89-111

The action of anticlastogens in human lymphocyte cultures and their modification by rat-liver S9 mix. II. Studies with vitamins C and E. Gebhart E, et al. **Mutat Res** 1985 Mar; 149(1):83-94

Pseudo dominant-lethal response in female mice treated with plant oils. Generoso WM, et al. **Mutat Res** 1984 Nov; 129(2):235-41

Apurinic sites cause mutations in simian virus 40. Gentil A, et al. **Mutat Res** 1984 Nov;129(2):141-7

DNA-fork displacement rates in cultured mammalian cells with mutations in ribonucleotide reductase. Gjerset RA, et al. **Mutat Res** 1985 Apr;142(4):199-202

The synaptonemal complexes of Caenorhabditis elegans: pachytene karyotype analysis of the rad-4 radiation-sensitive mutant. Goldstein P. **Mutat Res** 1984 Dec;129(3):337-43

Effect of ultraviolet light on DNA replication in excision-deficient mammalian cells. Griffiths TD, et al. **Mutat Res** 1984 Sep-Oct;132(3-4):119-27

Confluent holding leads to a transient enhancement in mutagenesis in UV-light-irradiated xeroderma pigmentosum, Gardner's syndrome and normal human diploid fibroblasts. Grosovsky AJ, et al. **Mutat Res** 1985 Mar;149(1):147-55

Mutagenesis by N-nitroso compounds in Salmonella typhimurium TA102 and TA104: evidence for premutagenic adenine or thymine DNA adducts. Guttenplan JB, et al. **Mutat Res** 1984 Nov-Dec; 141(3-4):153-9

Studies on chemical carcinogens and mutagens. XXIX. Mutagenic N-trimethylsilylmethyl-N-nitrosourea as a biological alkylating agent equivalent to N-methyl-N-nitrosourea (MNU). Hakura A, et al. **Mutat Res** 1985 Jul;157(1):87-93

Effects of age and liquid holding on the UV-radiation sensitivities of wild-type and mutant Caenorhabditis elegans dauer larvae. Hartman PS. **Mutat Res** 1984 Sep-Oct;132(3-4):95-9

A pilot experiment for the micronucleus test. The multi-sampling at multi-dose levels method. Hayashi M, et al. **Mutat Res** 1984 Nov-Dec;141(3-4):165-9

The differential effect of benzamide upon the toxicity and mutations produced in Chinese hamster ovary cells by N-methyl nitrosourea, N-ethyl nitrosourea and N-hydroxy-2-aminofluorene. Heflich RH, et al. **Mutat Res** 1985 Apr;142(4):203-7

Isolation and characterization of mutator mutants from cultured mouse FM3A cells. Hyodo M, et al. **Mutat Res** 1984 Dec;129(3):389-95

The quantitative structure-activity relationship approach to the mutagenicity of N-nitrosomethylaniline compounds. Jinno K. **Mutat Res** 1984 Nov-Dec;141(3-4):141-3

Hydrogen peroxide-dependent activation of benzidine to mutagenic species. Josephy PD, et al. **Mutat Res** 1984 Sep; 141(1):23-8

An adenosine kinase mutation in baby hamster kidney cells causing increased sensitivity to adenosine. Juranka P, et al. **Mutat Res** 1984 Dec;129(3):397-402

Adsorption of pyrolysate mutagens by vegetable fibers. Kada T, et al. **Mutat Res** 1984 Nov-Dec;141(3-4):149-52

Mutagenicity examination of several non-steroidal anti-inflammatory drugs in bacterial systems. Kadotani S, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):133-6

Genotoxicity of 5-azacytidine in somatic cells of Drosophila. Katz AJ. **Mutat Res** 1985 Jul;143(3):195-9

X-ray sensitive mutants of Chinese hamster ovary cells defective in double-strand break rejoining. Kemp LM, et al. **Mutat Res** 1984 Nov-Dec;132(5-6):189-96

Mutagenic effect and mutation spectrum induced by 3H decay in the 8th position of DNA purine bases in Saccharomyces cerevisiae. Korolev VG, et al. **Mutat Res** 1985 May;149(3):359-64

Apurinic/apyrimidinic endonuclease activities appear normal in the CHO-cell ethyl methanesulfonate-sensitive mutant, EM9. La Belle M, et al. **Mutat Res** 1984 Sep;141(1):41-4

New mutations affecting induced mutagenesis in yeast. Lawrence CW, et al. **Mutat Res** 1985 Jun-Jul; 150(1-2):211-6

Analysis of replication of DEB-alkylated DNA in yeast: bypass replication in a rad3 mutant of Saccharomyces cerevisiae. Lecka-Czernik B, et al. **Mutat Res** 1984 Nov-Dec;132(5-6):161-9

Use of recombinant DNA techniques in cloning DNA repair genes and in the study of mutagenesis in mammalian cells. Lehmann AR. **Mutat Res** 1985 Jun-Jul;150(1-2):61-7 (33 ref.)

A dual assay for the specific screening of 3-methylcholanthrene- and phenobarbital-like chemical inducers of cytochrome P-450 monooxygenases. Lesca P, et al. **Mutat Res** 1984 Dec;129(3):299-310

Induction of 6-thioguanine-resistant mutants by hyperoxia and gamma-irradiation: effect of compromising cellular antioxidant systems. Lesko SA, et al. **Mutat Res** 1985 Mar; 149(1):119-26

A deterministic approach for the estimation of mutation rates in cultured mammalian cells. Li IC, et al. **Mutat Res** 1985 Mar;149(1):127-32

Toxicity and mutagenicity of low dose rates of ionizing radiation from tritiated water in human lymphoblastoid cells. Liber HL, et al. **Mutat Res** 1985 Jul;157(1):77-86

Evaluation of 1,3-pentadiene for mutagenicity by the Salmonella/mammalian microsome assay. Liewen MB, et al. **Mutat Res** 1985 Jul;157(1):49-52

Lack of genetic and in vitro metabolic activity of potently carcinogenic azoxyalkanes. Lijinsky W, et al. **Mutat Res** 1985 Jul;157(1):23-7

Tradescantia-Micronucleus (Trad-MCN) tests on 140 health-related agents. Ma TH, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):157-67

Ethyl methanesulfonate-induced mutations of major genes for quantitative phenotypes: mutant alleles for altered activity of brain or liver enzymes in C57BL/6J mice and their inheritance across several generations. McGarrity LJ, et al. **Mutat Res** 1985 Apr;142(4):193-8

Indications that mutagenesis in Salmonella may be subject to catabolite repression. MacPhee DG. **Mutat Res** 1985 Aug;151(1):35-41

A system to determine basepair substitutions at the molecular level, based on restriction enzyme analysis; influence of the muc genes of pKM101 on the specificity of mutation induction in E. coli. Mattern IE, et al. **Mutat Res** 1985 Jan-Feb;148(1-2):35-45

International Commission for Protection Against Environmental Mutagens and Carcinogens. ICPEMC Publication No. 11. The use of recombinant DNA technology to study gene alteration. Mekler P, et al. **Mutat Res** 1985 Jan-Mar;153(1-2):13-55 (304 ref.)

Hepatotoxic doses of dioxin do not damage mouse bone marrow chromosomes. Meyne J, et al. **Mutat Res** 1985 Jul;157(1):63-9

Mutagenic activation of dialkylnitrosamines by intact urothelial cells. Moore CM, et al. **Mutat Res** 1985 Jul; 157(1):95-105

A desmutagenic factor isolated from burdock (Arctium lappa Linne). Morita K, et al. **Mutat Res** 1984 Oct;129(1):25-31

On mutation fixation resulting from nitrosoguanidine-induced DNA damage in Escherichia coli K12 ada-. Orrego C, et al. **Mutat Res** 1985 Sep; 146(2):185-9

The effect of newly induced mutations on the fitness of genotypes and populations of yeast (Saccharomyces cerevisiae). Orthen E, et al. **Mutat Res** 1984 Dec; 129(3):327-35

Diagrammatic representation for chromosomal mutagenesis studies. III. Radiation-induced rearrangements in Pan troglodytes (chimpanzee). Paravatou-Petsota M, et al. **Mutat Res** 1985 Mar;149(1):57-66

Genetic analysis of clear-plaque mutations induced in bacteriophage lambda by 9-aminoacridine. Pons FW. **Mutat Res** 1984 Dec;129(3):311-7

Dose-responsive increase in sister-chromatid exchanges in bone-marrow cells of mice exposed nose-only to whole cigarette smoke. Putman DL, et al. **Mutat Res** 1985 Jun; 156(3):181-6

Effects of DNA-repair-deficient mutants on somatic and germ line mutagenesis in the UZ system in Drosophila melanogaster. Rasmuson A. **Mutat Res** 1984 Sep; 141(1):29-33

Comparative studies of the induction of somatic eye-color mutations in an unstable strain of Drosophila melanogaster by MMS and X-rays at different developmental stages. Rasmuson A. **Mutat Res** 1985 Jan-Feb;148(1-2):65-70

Whither genetic toxicology? Suggestions for preserving its continued vitality [editorial] Rosenkranz HS. **Mutat Res** 1984 Dec;130(6):389-90

A report of the U.S. Environmental Protection Agency Gene-Tox Program. Evaluation of mutagenicity assays for purposes of genetic risk assessment. Russell LB, et al. **Mutat Res** 1984 Sep-Nov;134(2-3):143-57

Specific-locus mutation rates in the mouse following inhalation of ethylene oxide, and application of the results to estimation of human genetic risk. Russell LB, et al. **Mutat Res** 1984 Dec;129(3):381-8

Spontaneous mutagenesis: the roles of DNA repair, replication, and recombination. Sargentini NJ, et al. **Mutat Res** 1985 Jul;154(1):1-27 (200 ref.)

A review of the genetic effects of ethyl methanesulfonate. Sega GA. **Mutat Res** 1984 Sep-Nov;134(2-3):113-42 (311 ref.)

Bio-antimutagenic effects of tannic acid on UV and chemically induced mutagenesis in Escherichia coli B/r. Shimoi K, et al. **Mutat Res** 1985 Mar;149(1):17-23

Inducibility of error-prone DNA repair in yeast? Siede W, et al. **Mutat Res** 1984 Oct;129(1):3-11 (71 ref.)

Influence of the recB21 mutation of Escherichia coli K12 on prophage lambda induction. Simić D, et al. **Mutat Res** 1985 Apr;142(4):159-62

Interaction of a mutator with a mutationally stable genetic system in Escherichia coli. Singh A, et al. **Mutat Res** 1985 Jul;143(3):191-3

Effect of storage at 4 degrees on prepared Salmonella/microsome test plates. Stanton CA, et al. **Mutat Res** 1984 Sep;141(1):7-9

Activity of bromochlorodifluoromethane (BCF) in three mutation tests. Styles JA, et al. **Mutat Res** 1985 Apr; 142(4):187-92

Mutagenesis at putative apurinic sites in alkylated single-stranded DNA of parvovirus H-1 propagated in human cells. Su ZZ, et al. **Mutat Res** 1985 Mar;149(1):1-8

Responses of 4 X-ray-sensitive CHO cell mutants to different radiations and to irradiation conditions promoting cellular recovery. Thacker J, et al. **Mutat Res** 1985 Jul;146(1):99–108

The molecular nature of mutations in cultured mammalian cells: a review. Thacker J. **Mutat Res** 1985 Jun–Jul;150(1–2):431–42 (95 ref.)

Mutagenic/carcinogenic agents in indoor pollutants; the dinitropyrenes generated by kerosene heaters and fuel gas and liquefied petroleum gas burners. Tokiwa H, et al. **Mutat Res** 1985 Jul;157(1):39–47

On the genotoxicity of the pesticides Endodan and Kilacar in 6 different test systems. Tzoneva M, et al. **Mutat Res** 1985 Jul;157(1):13–22

Double-strand break repair and G2 block in Chinese hamster ovary cells and their radiosensitive mutants. Weibezahn KF, et al. **Mutat Res** 1985 May;145(3):177–83

Protection from toxic and mutagenic effects of H2O2 by catalase induction in Salmonella typhimurium. Winquist L, et al. **Mutat Res** 1984 Nov–Dec;141(3–4):145–7

Mutagenic activity of some intercalating compounds in the Drosophila zeste somatic eye mutation test. Xamena N, et al. **Mutat Res** 1984 Nov–Dec;138(2–3):169–73

Weigle reactivation of phage lambda in a recA mutant of Escherichia coli: dependence on the excess amounts of photoreactivating enzyme in the dark. Yamamoto K, et al. **Mutat Res** 1985 May;145(3):137–44

Fungal flora of Egyptian baladi bread with special reference to the mutagenic effects of their toxic metabolites. Megalla SE, et al. **Mycopathologia** 1985 Jan;89(1):35–41

Induction of sister chromatid exchanges and gene mutations in Chinese hamster ovary cells by psoralens. Loveday KS, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:149–55

Alterations of the hprt gene in human in vivo-derived 6-thioguanine-resistant T lymphocytes. Albertini RJ, et al. **Nature** 1985 Jul 25–31;316(6026):369–71

Drosophila proteins pave the way to gene mutations [news] Beachy P. **Nature** 1985 Sep 5–11;317(6032):18–9

A point mutation in the A gamma-globin gene promoter in Greek hereditary persistence of fetal haemoglobin. Collins FS, et al. **Nature** 1985 Jan 24–30;313(6000):325–6

Production of transgenic rabbits, sheep and pigs by microinjection. Hammer RE, et al. **Nature** 1985 Jun 20–26;315(6021):680–3

Three-dimensional structure of an antigenic mutant of the influenza virus haemagglutinin. Knossow M, et al. **Nature** 1984 Oct 18–24;311(5987):678–80

Location of functional regions of acetylcholine receptor alpha-subunit by site-directed mutagenesis. Mishina M, et al. **Nature** 1985 Jan 31–Feb 6;313(6001):364–9

Detection of single base substitutions in total genomic DNA. Myers RM, et al. **Nature** 1985 Feb 7–13;313(6002):495–8

Haemophilia B caused by a point mutation in a donor splice junction of the human factor IX gene. Rees DJ, et al. **Nature** 1985 Aug 15–21;316(6029):643–5

Synthesis in yeast of a functional oxidation-resistant mutant of human alpha-antitrypsin. Rosenberg S, et al. **Nature** 1984 Nov 1–7;312(5989):77–80

Biological properties of human c-Ha-ras1 genes mutated at codon 12. Seeburg PH, et al. **Nature** 1984 Nov 1–7;312(5989):71–5

Detection of virus-specific sequences in Drosophila melanogaster mutants induced by injection of RSV DNA into early embryos. Tatosyan AG, et al. **Nature** 1984 Sep 27–Oct 3;311(5984):394–5

In vivo somatic mutations in human lymphocytes frequently result from major gene alterations. Turner DR, et al. **Nature** 1985 May 23–29;315(6017):343–5

Selective advantage of polA1 mutator over polA+ strains of Escherichia coli in a chemostat. Tröbner W, et al. **Naturwissenschaften** 1985 Jul;72(7):377–8

Three different mutations in codon 61 of the human N-ras gene detected by synthetic oligonucleotide hybridization. Bos JL, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):9155–63

Reversion to neurovirulence of the live-attenuated Sabin type 3 oral poliovirus vaccine. Cann AJ, et al. **Nucleic Acids Res** 1984 Oct 25;12(20):7787–92

Recognition of a cytosine base lesion by a human damage-specific DNA binding protein. Carew JA, et al. **Nucleic Acids Res** 1985 Jan 11;13(1):303–15

Improved oligonucleotide site-directed mutagenesis using M13 vectors. Carter P, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4431–43

Analysis of dominant copy number mutants of the plasmid pMB1. Castagnoli L, et al. **Nucleic Acids Res** 1985 Jul 25;13(14):5353–67

Novel deletion mutants that enhance a distant upstream 5' splice in the E3 transcription unit of adenovirus 2. Deutscher SL, et al. **Nucleic Acids Res** 1985 Aug 26;13(16):5771–88

Adenovirus DNA replication in vitro: site-directed mutagenesis of the nuclear factor I binding site of the Ad2 origin. de Vries E, et al. **Nucleic Acids Res** 1985 Jul 11;13(13):4935–52

Novel non-suppressing mutants of Escherichia coli tRNATyr su+3. Furdon P, et al. **Nucleic Acids Res** 1985 Apr 11;13(7):2583–601

Oligonucleotide directed mutagenesis of Escherichia coli 5S ribosomal RNA: construction of mutant and structural analysis. Göringer HU, et al. **Nucleic Acids Res** 1984 Sep 25;12(18):6935–50

Oligonucleotide-directed mutagenesis by microscale 'shot-gun' gene synthesis. Grundström T, et al. **Nucleic Acids Res** 1985 May 10;13(9):3305–16

A novel strategy for constructing clustered point mutations. Haltiner M, et al. **Nucleic Acids Res** 1985 Feb 11;13(3):1015–25

Up-promoter mutations in the lpp gene of Escherichia coli. Inouye S, et al. **Nucleic Acids Res** 1985 May 10;13(9):3101–10

A simple and efficient method for chemical mutagenesis of DNA. Kadonaga JT, et al. **Nucleic Acids Res** 1985 Mar 11;13(5):1733–45

The gapped duplex DNA approach to oligonucleotide-directed mutation construction. Kramer W, et al. **Nucleic Acids Res** 1984 Dec 21;12(24):9441–56

Streptomycin-resistance of Euglena gracilis chloroplasts: identification of a point mutation in the 16S rRNA gene in an invariant position. Montandon PE, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4299–310

Lysine tRNA and cell division: a G1 cell cycle mutant is temperature sensitive for the modification of tRNA5Lys to tRNA4Lys. Ortwerth BJ, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):9009–23

Erythromycin and spiramycin resistance mutations of yeast mitochondria: nature of the rib2 locus in the large ribosomal RNA gene. Sor F, et al. **Nucleic Acids Res** 1984 Nov 26;12(22):8313–8

Infectivity and in vitro mutagenesis of monomeric cDNA clones of citrus exocortis viroid indicates the site of processing of viroid precursors. Visvader JE, et al. **Nucleic Acids Res** 1985 Aug 26;13(16):5843–56

Modified action spectra of photogeotropic equilibrium in Phycomyces blakesleeanus mutants with defects in genes madA, madB, madC, and madH. Galland P, et al. **Photochem Photobiol** 1985 Mar;41(3):331–5

Phototoxic potentialities of tartrazine: screening tests. Merville MP, et al. **Photochem Photobiol** 1984 Aug;40(2):221–6

Targeted mutagenesis of M13 DNA induced by photosensitized reaction. Piette J, et al. **Photochem Photobiol** 1984 Nov;40(5):635–40

Quantitation of the photomutagenic response of Salmonella to an Eastern shale oil and fluorescent light. Selby C, et al. **Photochem Photobiol** 1984 Sep;40(3):329–32

Wavelength dependence of inactivation and mutation induction to 6-thioguanine-resistance in V79 Chinese hamster fibroblasts. Zölzer F, et al. **Photochem Photobiol** 1984 Jul;40(1):49–53

A genetic screen for mutations that increase the thermal stability of phage T4 lysozyme. Alber T, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):747–50

Two-codon insertion mutagenesis of plasmid genes by using single-stranded hexameric oligonucleotides. Barany F. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4202–6

The sup-7(st5) X gene of Caenorhabditis elegans encodes a tRNATrpUAG amber suppressor. Bolten SL, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6784–8

Suppressor sufJ: a novel type of tRNA mutant that induces translational frameshifting. Bossi L, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6105–9

A new class of Escherichia coli recBC mutants: implications for the role of RecBC enzyme in homologous recombination. Chaudhury AM, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7850–4

Molecular mechanisms of manganese mutagenesis. El-Deiry WS, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7378–82

Active site and complete sequence of the suicidal methyltransferase that counters alkylation mutagenesis. Demple B, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2688–92

Somatic mutation of the T15 heavy chain gives rise to an antibody with autoantibody specificity. Diamond B, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5841–4

Molecular basis of DNA sequence recognition by the catabolite gene activator protein: detailed inferences from three mutations that alter DNA sequence specificity. Ebright RH, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7274–8

Dual role for Escherichia coli RecA protein in SOS mutagenesis. Ennis DG, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3325–9

Activation regions in a yeast transposon have homology to mating type control sequences and to mammalian enhancers. Errede B, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5423–7

Activation of an N-ras gene in acute myeloblastic leukemia through somatic mutation in the first exon. Gambke C, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):879–82

Evidence for linear response for the induction of mutations in human cells by x-ray exposures below 10 rads. Grosovsky AJ, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2092–5

Sequence analysis of three Sindbis virus mutants temperature-sensitive in the capsid protein autoprotease. Hahn CS, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4648–52

Transformation properties of type 5 adenovirus mutants that differentially express the E1A gene products. Haley KP, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5734–8

Reduced in vivo mutagenesis by mutant herpes simplex DNA polymerase involves improved nucleotide selection. Hall JD, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3889–93

Effect of single amino acid replacements on the thermal stability of the NH2-terminal domain of phage lambda repressor. Hecht MH, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5685–9

Cells from an immunodeficient patient (46BR) with a defect in DNA ligation are hypomutable but hypersensitive to the induction of sister chromatid exchanges. Henderson LM, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2044–8

Cell-cycle-specific cDNAs from mammalian cells temperature sensitive for growth. Hirschhorn RR, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6004–8

Application of the mini-Mu-phage for target-sequence-specific insertional mutagenesis of the herpes simplex virus genome. Jenkins FJ, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4773–7

Mutation of NH2-terminal glycine of p60src prevents both myristoylation and morphological transformation. Kamps MP, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4625–8

Mutational studies with the trp repressor of Escherichia coli support the helix-turn-helix model of repressor recognition of operator DNA. Kelley RL, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):483–7

In vitro mutagenesis of the v-sis transforming gene defines functional domains of its growth factor-related product. King CR, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5295–9

Structural analysis of the umu operon required for inducible mutagenesis in Escherichia coli. Kitagawa Y, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4336–40

Isolation of a somatic-cell mutant defective in phosphatidylserine biosynthesis. Kuge O, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1926–30

Rapid and efficient site-specific mutagenesis without phenotypic selection. Kunkel TA. **Proc Natl Acad Sci USA** 1985 Jan;82(2):488–92

A fidelity assay using 'dideoxy' DNA sequencing: a measurement of sequence dependence and frequency of forming 5-bromouracil X guanine base mispairs. Lasken RS, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1301–5

Regulation of aspartate transcarbamoylase synthesis in Escherichia coli: analysis of deletion mutations in the promoter region of the pyrBI operon. Levin HL, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4643–7

In vivo mutagenesis by O6-methylguanine built into a unique site in a viral genome. Loechler EL, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6271–5

Oxygen regulation of anaerobic and aerobic genes mediated by a common factor in yeast. Lowry CV, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6129–33

Nucleotide sequence of the insertion sequence found in the T-DNA region of mutant Ti plasmid pTiA66 and distribution of its homologues in octopine Ti plasmid. Machida Y, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7495–9

Ha-ras proteins exhibit GTPase activity: point mutations that activate Ha-ras gene products result in decreased GTPase activity. Manne V, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):376–80

Site-specific mutagenesis of the human fibroblast interferon gene. Mark DF, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5662–6

mu-2: mutator gene in Drosophila that potentiates the induction of terminal deficiencies. Mason JM, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6090–4

Characterization of a temperature-sensitive mutant of mouse FM3A cells defective in DNA replication. Murakami Y, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1761–5

umuDC and mucAB operons whose products are required for UV light- and chemical-induced mutagenesis: UmuD, MucA, and LexA proteins share homology. Perry KL, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4331–5

Autoradiographic assay of mutants resistant to diphtheria toxin in mammalian cells in vitro. Ronen A, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6124–8

Deletions within a defective suppressor-mutator element in maize affect the frequency and developmental timing of its excision from the bronze locus. Schiefelbein JW, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4783–7

Differences in mutagenic and recombinational DNA repair in enterobacteria. Sedgwick SG, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4172–6

Defective antitermination of rRNA transcription and derepression of rRNA and tRNA synthesis in the nusB5 mutant of Escherichia coli. Sharrock RA, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5275–9

Structure of proteins with single-site mutations: a minimum perturbation approach. Shih HH, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1697–700

Role of a disulfide bridge in the immune function of major histocompatibility class I antigen as studied by in vitro mutagenesis. Shiroishi T, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7544–8

Mutagenic DNA repair in Streptomyces. Stonesifer J, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1180–3

Point mutation generates constitutive expression of an inducible eukaryotic gene. Sumrada RA, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):643–7

A viable simian virus 40 variant that carries a newly generated sequence reiteration in place of the normal duplicated enhancer element. Swimmer C, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6652–6

Hypermutation at the immunoglobulin heavy chain locus in a pre-B-cell line. Wabl M, et al.

Proc Natl Acad Sci USA 1985 Jan;82(2):479-82

Monoclonal antibody specific for the mutant PiZ alpha 1-antitrypsin and its application in an ELISA procedure for identification of PiZ gene carriers. Wallmark A, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5690-3

Mutagenesis of Escherichia coli (CSH50) by asbestos. Cleveland MG. **Proc Soc Exp Biol Med** 1984 Nov; 177(2):343-[illegible]

Mammalian cell cycle mutant defective in intracellular protein degradation and ubiquitin-protein conjugation. Ciechanover A, et al. **Prog Clin Biol Res** 1985;180:17-31

Detection of mutations. Edwards JH. **Prog Clin Biol Res** 1985;177:415-25

Cellular expression of a mutant gene (cmd/cmd) causing limb and other defects in mouse embryos. Kochhar DM. **Prog Clin Biol Res** 1985;163C:131-44

Computer algorithms for the detection of mutational events affecting the polypeptides visualized with 2-D polyacrylamide gels. Neel JV, et al. **Prog Clin Biol Res** 1985;177:427-45

Mutational activation of proto-oncogenes. Rein R, et al. **Prog Clin Biol Res** 1985;172A:357-68

Asymmetric limb malformations induced by drugs or mutant genes. Scott WJ Jr. **Prog Clin Biol Res** 1985;163C:111-3

Carcinogen-induced insertion mutations in E. coli. Takeshita M, et al. **Prog Clin Biol Res** 1985;172A:389-99

Prostaglandins and their precursors can modify genetic damage-induced by gamma-radiation and benzo(a)pyrene. Das UN, et al. **Prostaglandins** 1985 Jun;29(6):911-20

Prostaglandins and mutagenesis: prevention and/or reversibility of genetic damage induced by benzo (a) pyrene in the bone marrow cells of mice by prostaglandin E1. Ramadevi G, et al. **Prostaglandins Leukotrienes Med** 1984 Sep;15(3):287-92

The genotoxicity of alpha particles in human embryonic skin fibroblasts. Chen DJ, et al. **Radiat Res** 1984 Nov; 100(2):321-7

Mutation induction by tritiated water and effects of deuterium oxide in cultured mouse leukemia cells. Furuno-Fukushi I, et al. **Radiat Res** 1985 Sep;103(3):466-70

Radiation-induced mutagenicity and lethality in ames tester strains of salmonella. Isildar M, et al. **Radiat Res** 1984 Nov; 100(2):396-411

Randomness of base substitution mutations induced in the lacI gene of Escherichia coli by ionizing radiation. Kato T, et al. **Radiat Res** 1985 Feb;101(2):402-6

Effect of intercellular contact on DNA conformation, radiation-induced DNA damage, and mutation in Chinese hamster V79 cells. Olive PL, et al. **Radiat Res** 1985 Jan; 101(1):94-101

Estimate to mutation rates. Liu CY. **Sci Sin [B]** 1984 Sep; 27(9):936-46

Mutagenicity of ambient aerosol collected in an urban and industrial area of The Netherlands. de Raat WK, et al. **Sci Total Environ** 1985 Jul;44(1):17-33

Mutagenicity of photochemical reaction products of polycyclic aromatic hydrocarbons with nitrite. Ohe T. **Sci Total Environ** 1984 Oct;39(1-2):161-75

Heterochronic mutants of the nematode Caenorhabditis elegans. Ambros V, et al. **Science** 1984 Oct 26; 226(4673):409-16

Genetic damage, mutation, and the evolution of sex. Bernstein H, et al. **Science** 1985 Sep 20;229(4719):1277-81 (41 ref.)

Strategies and applications of in vitro mutagenesis. Botstein D, et al. **Science** 1985 Sep 20;229(4719):1193-201 (102 ref.)

Genetic origin of mutations predisposing to retinoblastoma. Cavenee WK, et al. **Science** 1985 Apr 26;228(4698):501-3

Mutation to herbicide resistance maps within the psbA gene of Anacystis nidulans R2. Golden SS, et al. **Science** 1985 Sep 13;229(4718):1104-7

Insertion mutagenesis of embryonal carcinoma cells by retroviruses. King W, et al. **Science** 1985 May 3; 228(4699):554-8

Hemoglobin I mutation encoded at both alpha-globin loci on the same chromosome: concerted evolution in the human genome. Liebhaber SA, et al. **Science** 1984 Dec 21;226(4681):1449-51

A general method for saturation mutagenesis of cloned DNA fragments. Myers RM, et al. **Science** 1985 Jul 19; 229(4710):242-7

Activation of the c-myb locus by viral insertional mutagenesis in plasmacytoid lymphosarcomas. Shen-Ong GL, et al. **Science** 1984 Nov 30;226(4678):1077-80

Role of the conserved AAUAAA sequence: four AAUAAA point mutants prevent messenger RNA 3' end formation. Wickens M, et al. **Science** 1984 Nov 30;226(4678):1045-51

Multipotent mutator strain of mouse teratocarcinoma cells. Aizawa S, et al. **Somatic Cell Mol Genet** 1985 May; 11(3):211-6

High spontaneous mutation frequency of BPV shuttle vector. Ashman CR, et al. **Somatic Cell Mol Genet** 1985 Sep; 11(5):499-504

Elevated spontaneous mutation rate in SV40-transformed Werner syndrome fibroblast cell lines. Fukuchi K, et al. **Somatic Cell Mol Genet** 1985 Jul;11(4):303-8

Assignment of human gene encoding thymidylate synthase to chromosome 18 using interspecific cell hybrids between thymidylate synthase-negative mouse mutant cells and human diploid fibroblasts. Hori T, et al. **Somatic Cell Mol Genet** 1985 May;11(3):277-83

Characterization of diphtheria-toxin-resistant mutants lacking receptor function or containing nonribosylatable elongation factor 2. Kohno K, et al. **Somatic Cell Mol Genet** 1985 Sep;11(5):421-31

Complementation analysis of locus for hypoxanthine guanine phosphoribosyltransferase in Chinese hamster cells. Shapiro NI, et al. **Somatic Cell Mol Genet** 1985 Mar;11(2):135-47

The effects of exogenous thymidine on endogenous deoxynucleotides and mutagenesis in mammalian cells. Weinberg GL, et al. **Somatic Cell Mol Genet** 1985 Sep; 11(5):413-9

Somatic mutation and antibody diversity. Potter M. **Surv Synth Pathol Res** 1984;3(2):139-48 (36 ref.)

The interaction of genetic drift and mutation with selection in a fluctuating environment. Gillespie JH. **Theor Popul Biol** 1985 Apr;27(2):222-37

Studies on chemically induced neoplastic transformation and mutation in the BALB/3T3 Cl A31-1-1 cell line in relation to the quantitative evaluation of carcinogens. Saffiotti U, et al. **Toxicol Pathol** 1984;12(4):383-90

Recombination and rescue between temperature-sensitive mutants of poliovirus type 1. Agut H, et al. **Virology** 1984 Dec;139(2):393-402

Biochemical characterization of poliovirus type 1 temperature-sensitive mutants. Bellocq C, et al. **Virology** 1984 Dec;139(2):403-7

Mutations in the herpes simplex virus major DNA-binding protein gene leading to altered sensitivity to DNA polymerase inhibitors. Chiou HC, et al. **Virology** 1985 Sep; 145(2):213-26

Genome locations of temperature-sensitive mutants in glycoprotein gB of herpes simplex virus type 1. DeLuca N, et al. **Virology** 1984 Sep;137(2):382-9

Transposon-mediated mutagenesis of a baculovirus. Fraser MJ, et al. **Virology** 1985 Sep;145(2):356-61

Persistent infection with influenza A virus: evolution of virus mutants. Frielle DW, et al. **Virology** 1984 Oct 15; 138(1):103-17

Phenotypic characterization and physical mapping of a temperature-sensitive mutant of Autographa californica nuclear polyhedrosis virus defective in DNA synthesis. Gordon JD, et al. **Virology** 1984 Oct 15;138(1):69-81

Characterization of the infections of permissive and nonpermissive cells by host range mutants of vesicular stomatitis virus defective in RNA methylation. Horikami SM, et al. **Virology** 1984 Oct 15;138(1):1-15

Cell-specific selection of mutants of a herpes simplex virus recombinant carrying deletions. Sears AE, et al. **Virology** 1985 Aug;145(1):176-80

Complementation of an adenovirus 5 immediate early mutant by human cytomegalovirus. Tevethia MJ, et al. **Virology** 1984 Sep;137(2):428-31

A new suppressor of mutations in the DNA repair-recombination genes of bacteriophage T4: sur. Wakem LP, et al. **Virology** 1984 Sep;137(2):331-7

The coupling of DNA repair-recombination functions with DNA replication in bacteriophage T4: a new DNA repair mutant. Wakem LP, et al. **Virology** 1984 Sep;137(2):338-46

The temperature-sensitive defect in polyoma virus P155 mutant. Galup C, et al. **Virus Res** 1984 Sep;1(6):469-75

Correlation between loss of the temperature-sensitive phenotype and pathogenicity of fowl plague virus mutants in the chicken. Scholtissek C, et al. **Virus Res** 1984; 1(2):117-31

Sporadic concurrence of von Recklinghausen's neurofibromatosis and Marfan syndrome. Leramo OB, et al. **West Indian Med J** 1985 Jun;34(2):131-3

Modification by genetic changes of the pleiotropic interference of butyrolactone-type autoregulators with differentiation of Streptomyces griseus. Gräfe U, et al. **Z Allg Mikrobiol** 1984;24(8):515-23

UV-repair and mutagenesis in Azotobacter vinelandii. I. Repair of UV-induced damages. Majumdar S, et al. **Zentralbl Mikrobiol** 1985;140(3):247-54

[Isolation and biological characterization of reduced-virulence mutants of influenza virus A/Krasnodar/101/59 (H2N2)] Panzig B, et al. **Arch Exp Veterinarmed** 1985 Jan;39(1):50-7 (Eng. Abstr.) **(Ger)**

[Leukemomycin-blocked mutants of Streptomyces griseus and their pigments. II. New 7-hydroxy-bisnahydro-rhodomycinones from the mutant ZIMET 41707/1P] Ihn W, et al. **Z Allg Mikrobiol** 1984; 24(8):525-32 (Eng. Abstr.) **(Ger)**

[Toxic genetic effects of flunitrazepam] Staiano N, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2247-53 (Eng. Abstr.) **(Ita)**

[Mutagenicity of food additive morpholine (fatty acid salt)] Ohnishi T. **Nippon Eiseigaku Zasshi** 1984 Oct;39(4):729-48 (Eng. Abstr.) **(Jpn)**

[Role of the oncogene in the mutagenic activity of bovine adenovirus type 3] Lukash LL, et al. **Biol Nauki** 1985; (5):80-4 (Eng. Abstr.) **(Rus)**

[Analysis of the visible mutations induced by x-rays and ethyl methanesulfonate in the mature spermatozoa of Drosophila melanogaster] Romanova NI, et al. **Biol Nauki** 1985; (3):91-5 (Eng. Abstr.) **(Rus)**

[Effect of nitrosourea in small doses on the frequency of mutation in Salmonella typhimurium] Shigaeva MKh, et al. **Biol Nauki** 1984;(9):95-9 (Eng. Abstr.) **(Rus)**

[Effective method of oligonucleotide-controlled mutagenesis of DNA fragments] Efimov VA, et al. **Bioorg Khim** 1985 May;11(5):621-7 (Eng. Abstr.) **(Rus)**

[Localization of mutation leading to resistance of E. coli RNA polymerase to the antibiotic streptolydigin in the gene rpoB coding for the beta-subunit of the enzyme] Lisitsyn NA, et al. **Bioorg Khim** 1985 Jan;11(1):132-4 (Eng. Abstr.) **(Rus)**

[Nucleotide substitutions in the rpoB gene leading to rifampicin resistance of E. coli RNA polymerase] Lisitsyn NA, et al. **Bioorg Khim** 1984 Jan;10(1):127-8 (Eng. Abstr.) **(Rus)**

[Identification of the number of mutant copies of the genetic transfer factor AP42] Gubar' EV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):223-6 (Eng. Abstr.) **(Rus)**

[Experimental study of the antimutagenic properties of 5-methylresorcinol] Pashin IuV, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):63-5 (Eng. Abstr.) **(Rus)**

[Mechanism of the antimutagenic action of interferon: the capacity to protect the human cellular repair system] Shvetsova TP, et al. **Biull Eksp Biol Med** 1985 May; 99(5):599-600 (Eng. Abstr.) **(Rus)**

[Absence of point mutation in the 12th codon of the c-Ha-rasl transforming genes of human breast and stomach cancer, melanoma and neuroblastoma] Kniazev PG, et al. **Dokl Akad Nauk SSSR** 1985;282(6):1487-9 **(Rus)**

[Molecular mechanism of somatic hypermutagenesis in immunoglobulin genes] Kolchanov NA, et al. **Dokl Akad Nauk SSSR** 1985;281(4):994-9 **(Rus)**

[Limiting phenomena in mutagenesis] Lebedeva LI, et al. **Dokl Akad Nauk SSSR** 1985 May-Jun;282(1):173-6 **(Rus)**

[Comparative study of the antimutagenic activity of sterically hindered phenols] Pashin IuV, et al. **Dokl Akad Nauk SSSR** 1985;280(6):1441-4 **(Rus)**

[Oligonucleotide-directed mutagenesis. The introduction of point mutations (transitions, deletions, insertions) in the beta-galactosidase gene] Petrenko VA, et al. **Dokl Akad Nauk SSSR** 1985;281(2):476-81 **(Rus)**

[Mutagenicity of the DNA of the herpes simplex virus and of plasmid pBR325tk in cultured mammalian cells] Rubashevskiĭ EL, et al. **Dokl Akad Nauk SSSR** 1984; 279(3):752-4 **(Rus)**

[Effect of mutations of chromosome 17 on homolog segregation in the progeny of mice heterozygous for Robertsonian translocation] Rubinskiĭ AO, et al. **Dokl Akad Nauk SSSR** 1984 Sep-Oct;278(1):224-6 **(Rus)**

[Temperature-sensitive mutants of Drosophila with altered cAMP phosphodiesterase activity: has the gene for calmodulin been found?] Savvateeva EV, et al. **Dokl Akad Nauk SSSR** 1985;281(5):1233-7 **(Rus)**

[Genetic transformation of mutant mouse cells by metaphase mink chromosomes] Sukoian MA, et al. **Dokl Akad Nauk SSSR** 1984 Jul-Aug;277(1):219-22 **(Rus)**

[Characteristics of the phenotypic manifestation of hpt and gpt mutations blocking 6-oxypurine utilization and their effect on the expression of catabolite-sensitive genes in the cells of an Escherichia coli K-12 purine auxotroph] Brikun IA, et al. **Genetika** 1985 Jun;21(6):902-13 (Eng. Abstr.) **(Rus)**

[Mutability of the LYS2 gene in diploid saccharomycete yeasts. I. The occurrence of spontaneous mutants and mutants induced by x-ray and ultraviolet radiation] Chernov IuO, et al. **Genetika** 1985 Apr;21(4):564-73 (Eng. Abstr.) **(Rus)**

[Complementation and the physiological characteristics of the ts mutants of Pseudomonas aeruginosa phage SM] Gorelyshev AS, et al. **Genetika** 1985 Apr;21(4):548-55 (Eng. Abstr.) **(Rus)**

[Molecular nature of the direct mutations induced by 4-nitro-quinoline-N-oxide and 3-methyl-4-nitroquinoline-N-oxide in the ADE2 gene of Saccharomyces cerevisiae] Kasinova GV, et al. **Genetika** 1985 Jun;21(6):914-8 (Eng. Abstr.) **(Rus)**

[Appearance of single-stranded regions in DNA molecules in the G1 stage and the formation od structural mutations] Kondrashova TV, et al. **Genetika** 1985 Apr;21(4):517-21 (Eng. Abstr.) **(Rus)**

[Transposition immunity in bacteriophage Mu. The effect of a mutation at the kil gene on the establishment of immunity] Mogutov MA, et al. **Genetika** 1985 Jun;21(6):927-35 (Eng. Abstr.) **(Rus)**

[Isolation of Escherichia coli K-12 mutants that affect the development of phage phi m173 (imm phi 80)] Odoevskaia ER, et al. **Genetika** 1985 Apr;21(4):673-5 (Eng. Abstr.) **(Rus)**

[Differential cell mutability during oogenesis and exposure to ethyleneimine and ethylmethane sulfonate in different Drosophila melanogaster lines] Shvartsman PIa, et al. **Genetika** 1985 Jun;21(6):958-63 (Eng. Abstr.) **(Rus)**

[Analysis of the relation of the frequency of new gene mutations for Mendelian diseases to parental age] Bazhenova MD, et al. **Genetika (Moskva)** 1984 Oct; 20(10):1726-32 (Eng. Abstr.) **(Rus)**

[Mathematical modeling of the dynamics of the intensity of the mutation process. II. Dynamic evaluation of the frequencies of hereditary pathology] Bochkov NP, et al. **Genetika (Moskva)** 1985 Mar;21(3):502-7 (Eng. Abstr.) **(Rus)**

[Escherichia coli K-12 mutants with increased resistance to ionizing radiation. V. The effect of mutations on spontaneous and radiation mutagenesis] Bresler SE, et al.

Genetika (Moskva) 1985 Mar;21(3):384–90 (Eng. Abstr.) **(Rus)**

[Nuclear mutants of Saccharomyces cerevisiae K2 yeasts with decreased killer activity] Filatov AA, et al. **Genetika (Moskva)** 1984 Nov;20(11):1792–7 (Eng. Abstr.) **(Rus)**

[Induction of unstable mutations in Drosophila melanogaster by the microinjection of oncogenic viruses and their DNA into early embryos] Gazarian KG, et al. **Genetika (Moskva)** 1984 Aug;20(8):1237–43 (Eng. Abstr.) **(Rus)**

[Direct method of selecting LycA mutants of Escherichia coli K-12] Gol'denberg DS, et al. **Genetika (Moskva)** 1985 Feb;21(2):338–40 (Eng. Abstr.) **(Rus)**

[Regulator mutants for the synthesis of a 2d purine nucleoside phosphorylase in Escherichia coli K-12. II. Mapping and study of the dominance of pndR mutations] Kocharian AM, et al. **Genetika (Moskva)** 1985 Feb;21(2):220–8 (Eng. Abstr.) **(Rus)**

[Regulatory mutants for the synthesis of a 2d purine nucleoside phosphorylase in Escherichia coli K-12. I. Synthesis inducers and the substrate specificity of purine nucleoside phosphorylase in pndR mutants] Kocharian ShM, et al. **Genetika (Moskva)** 1984 Sep;20(9):1463–71 (Eng. Abstr.) **(Rus)**

[Isolation and analysis of Pseudomonas aeruginosa PAO mutants resistant to nonlysogenic bacteriophages] Kulakov LA, et al. **Genetika (Moskva)** 1985 Jan;21(1):39–45 (Eng. Abstr.) **(Rus)**

[Effect of cell respiration inhibitors on the formation of structural mutations in human lymphocytes irradiated at different stages of the mitotic cycle] Luchnik NV, et al. **Genetika (Moskva)** 1985 Feb;21(2):252–61 (Eng. Abstr.) **(Rus)**

[Characteristics of the range of mutations in nystatin resistance induced in yeasts by 6-N-hydroxylaminopurine] Mikhailova NP, et al. **Genetika (Moskva)** 1984 Dec;20(12):2075–7 (Eng. Abstr.) **(Rus)**

[Selection, analysis and mapping of mutations in the gene for resistance to kanamycin in plasmid RP4] Mironov VN, et al. **Genetika (Moskva)** 1984 Sep;20(9):1457–62 (Eng. Abstr.) **(Rus)**

[Dominant mutations of rifampicin resistance in Escherichia coli K-12] Petrenik IF, et al. **Genetika (Moskva)** 1984 Nov;20(11):1798–810 (Eng. Abstr.) **(Rus)**

[Radiosensitivity of Drosophila lines. VII. The effect of the maternal genotype on the yield of recessive and dominant lethal mutations induced by the gamma irradiation of males] Varebtsova ER. **Genetika (Moskva)** 1984 Oct;20(10):1628–32 (Eng. Abstr.) **(Rus)**

[Antimutagenic effects of para-aminobenzoic acid in experiments with bacterial cells. Noninterference in the mutation process controlled by plasmid pKM101] Vasil'eva SV, et al. **Genetika (Moskva)** 1985 Mar;21(3):364–7 (Eng. Abstr.) **(Rus)**

[Mathematical modeling of the dynamics of the intensity of the mutation process. I. Formulation of the task and the general model] Vedenkov VG, et al. **Genetika (Moskva)** 1985 Mar;21(3):493–501 (Eng. Abstr.) **(Rus)**

[Experimental studies on the embryotoxic, gonadotoxic and mutagenic effects of hexachlorophene] Dymin VV, et al. **Gig Sanit** 1984 Aug;(8):25–6 (Eng. Abstr.) **(Rus)**

[Composition of neutral lipids, phospholipids and their fatty acids in mutant Candida tropicalis D-2 resistant to nystatin] Danilenko II. **Izv Akad Nauk SSSR [Biol]** 1984 Jul-Aug;(4):587–93 (Eng. Abstr.) **(Rus)**

[Derepressed mutants of the genetic transfer factor pAP38] Shchipkova NI, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Mar-Apr;(2):294–8 (Eng. Abstr.) **(Rus)**

[Effect of space flight factors on bone marrow cells in the rat] Benova DK, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):41–3 (Eng. Abstr.) **(Rus)**

[Variability of cultures of Pullularia pullulans with different ploidy levels] Imshenetskii AA, et al. **Mikrobiologiia** 1985 Mar-Apr;54(2):233–8 (Eng. Abstr.) **(Rus)**

[Comparative study of proteolytic enzyme preparations of the actinomycete Streptomyces spheroides and its mutant] Al-Nuri MA, et al. **Mikrobiologiia** 1984 Jul-Aug;53(4):572–6 (Eng. Abstr.) **(Rus)**

[An oligosporogenic mutant of Bacillus brevis] Zarubina AP, et al. **Mikrobiologiia** 1984 Nov-Dec;53(6):970–5 (Eng. Abstr.) **(Rus)**

[Mutant gene expression in mouse aggregation chimeras. 3. The brachypodism-H gene] Malinina NA, et al. **Ontogenez** 1984 Sep-Oct;15(5):514–21 (Eng. Abstr.) **(Rus)**

[Effect of alpha-irradiation on sensitive and super resistant mutants of Escherichia coli] Amirtaev KG, et al. **Radiobiologiia** 1985 Jan-Feb;25(1):20–3 (Eng. Abstr.) **(Rus)**

[Mutagenic action of tritium on germ cells of male mice. Aftereffects of 3H-glucose incorporation] Balonov MI, et al. **Radiobiologiia** 1984 Nov-Dec;24(6):753–7 (Eng. Abstr.) **(Rus)**

[Mutagenic effects of gamma-rays on plasmid DNA in Escherichia coli] Kalinin VL, et al. **Radiobiologiia** 1984 Sep-Oct;24(5):599–602 (Eng. Abstr.) **(Rus)**

[Lethal and mutagenic action of incorporated 5-3H-cytosine on extracellular phage lambda] Konevega LV, et al. **Radiobiologiia** 1985 May-Jun;25(3):319–23 (Eng. Abstr.) **(Rus)**

[Simulation of the effects of radiation injury of DNA and genetic hazards of radionuclide decay. Dehydration of purine nucleotides during decay of an incorporated tritium] Korolev VG, et al. **Radiobiologiia** 1984 Sep-Oct;24(5):659–62 (Eng. Abstr.) **(Rus)**

[Partial suppression of rec B rec C mutations in E. coli by plasmid pBR 322 containing a Bacillus subtilis chromosome insertion] Barabanshchikov BI, et al. **Tsitol Genet** 1985 Mar-Apr;19(2):128–32 (Eng. Abstr.) **(Rus)**

[Double-mutation hypothesis of carcinogenesis] Strunnikov VA, et al. **Tsitol Genet** 1984 Sep-Oct;18(5):380–91 (52 ref.) (Eng. Abstr.) **(Rus)**

[Genome mutation frequency in the cells of spleen colonies of different origins in NIH mice] Kuz'mina LV, et al. **Tsitologiia** 1984 Dec;26(12):1416–20 (Eng. Abstr.) **(Rus)**

[Antimutagenic properties of food] Sharmanov TSh, et al. **Vopr Pitan** 1984 Sep-Oct;(5):3–7 (55 ref.) **(Rus)**

[Changes in the genetic properties of a viral population and the selection of ts-mutants in persistent influenza virus infection] Medvedeva MN, et al. **Vopr Virusol** 1984 Nov-Dec;29(6):675–9 (Eng. Abstr.) **(Rus)**

[Persistent influenza virus infection. Molecular genetic characteristics of ts mutants selected during persistence] Medvedeva MN, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):46–50 (Eng. Abstr.) **(Rus)**

[Isolation of Vibrio cholerae mutants with altered toxin production] Livanova LF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Feb;(2):38–40 (Eng. Abstr.) **(Rus)**

[Mapping of the genetic determinant controlling Salmonella K-antigen synthesis. II. Nonmotile mutants of Salmonella typhimurium] Romanova IuM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Feb;(2):34–8 (Eng. Abstr.) **(Rus)**

[Mutagenic activity of pesticides] Laborda E, et al. **Rev Sanid Hig Publica (Madr)** 1983 Jul-Aug;57(7–8):773–82 (Eng. Abstr.) **(Spa)**

[Effect of F-prime, Col factor and R factor on the mutation phenotype in the Escherichia coli K12 strain] Kalaycioğlu A. **Mikrobiyol Bul** 1985 Jul;19(3):127–32 (Eng. Abstr.) **(Tur)**

DRUG EFFECTS

Differential mutagen susceptibility in cultured lymphocytes of normal individuals and cancer patients. Hsu TC, et al. **Cancer Genet Cytogenet** 1985 Aug;17(4):307–13

Non-mutagenicity of KBT-1585, a novel ester of ampicillin. Yamabe S, et al. **Chemioterapia** 1984 Feb;3(1):60–2

Non-mutagenicity of YTR 830 H, a novel beta-lactamase inhibitor. Yamabe S, et al. **Chemioterapia** 1985 Jun;4(3):202–3

Impact of a point mutation in the muc region of plasmid pKM101 on anthracycline-induced mutagenesis in Salmonella typhimurium. Cole JA, et al. **Environ Mutagen** 1985;7(1):129–33

Mutagenicity and chemical analysis of airborne particulates from a rural area in Italy. Reali D, et al. **Environ Mutagen** 1984;6(6):813–23

Structural features of nitroaromatics that determine mutagenic activity in Salmonella typhimurium. Vance WA, et al. **Environ Mutagen** 1984;6(6):797–811

Mutagenic activity of airborne particles inside and outside homes. van Houdt JJ, et al. **Environ Mutagen** 1984;6(6):861–9

Induction of transversion mutations in Escherichia coli by N-methyl-N'-nitro-N-nitrosoguanidine is SOS dependent. Foster PL, et al. **J Bacteriol** 1985 Jul;163(1):213–20

Mutagenicity of ozone in different repair-deficient strains of Escherichia coli. L'Hérault P, et al. **MGG** 1984;197(3):472–7

Replicating instabilities in yeast: occurrence in different mutational systems. Nasim A, et al. **MGG** 1985;199(1):152–3

Novel insertion mutation in Caenorhabditis elegans. Eide DJ, et al. **Mol Cell Biol** 1985 Jan;5(1):1–6

The human lymphocyte micronucleus assay. Response of cord blood lymphocytes to gamma-irradiation and bleomycin. Aghamohammadi SZ, et al. **Mutat Res** 1984 Dec;130(6):395–401

Mutation induction in Escherichia coli incubated in the reaction mixture of NADPH-dependent lipid peroxidation of rat-liver microsomes. Akasaka S, et al. **Mutat Res** 1985 May;149(3):321–6

Somatic gene mutations in vivo as indicated by the 6-thioguanine-resistant T-lymphocytes in human blood. Albertini RJ. **Mutat Res** 1985 Jun-Jul;150(1–2):411–22

Mutagenic investigation of peppermint oil in the Salmonella/mammalian-microsome test. Andersen PH, et al. **Mutat Res** 1984 Oct;138(1):17–20

Weak mutagenicity to Salmonella of the formaldehyde-releasing anti-tumour agent hexamethylmelamine. Ashby J, et al. **Mutat Res** 1985 Mar;142(3):121–5

Mutagenicity of methyl 2-benzimidazolecarbamate, diethylstilbestrol and estradiol: structural chromosomal aberrations, sister-chromatid exchanges, C-mitoses, polyploidies and micronuclei. Banduhn N, et al. **Mutat Res** 1985 Jun;156(3):199–218

Dissociation of malondialdehyde mutagenicity in Salmonella typhimurium from its ability to induce interstrand DNA cross-links. Basu AK, et al. **Mutat Res** 1984 Oct;129(1):39–46

Split-dose exposure to N-methyl-N'-nitro-N-nitrosoguanidine in BALB/3T3 C1 a31-1-1 cells: evidence of DNA repair by alkaline elution without changes in cell survival, mutation and transformation rates. Bignami M, et al. **Mutat Res** 1985 Jan-Mar;145(1–2):81–8

The effect of thymidine on the induction of micronuclei by alkylating agents in V79 Chinese hamster cells. Bonatti S, et al. **Mutat Res** 1985 Jun-Jul;150(1–2):347–53

Comparative mutagenic efficiencies of the DNA adducts from the cooked-food-related mutagens Trp-P-2 and IQ in CHO cells. Brookman KW, et al. **Mutat Res** 1985 Apr;149(2):249–55

Mutagenic activity of 5 thiazole compounds in the Salmonella/microsome and mouse lymphoma TK+/- assays. Cameron TP, et al. **Mutat Res** 1985 Jan-Feb;155(1–2):17–25

Collagenase perfusion of rat liver induces DNA damage and DNA repair in hepatocytes. Cesarone CF, et al. **Mutat Res** 1984 Oct;141(2):113–6

Induction of micronuclei by benzene in B6C3F1 mice: retrospective analysis of peripheral blood smears from the NTP carcinogenesis bioassay. Choy WN, et al. **Mutat Res** 1985 May-Jun;143(1–2):55–9

Mutagenicity of 1,2-dichloroethane and 1,2-dibromoethane in two human lymphoblastoid cell lines. Crespi CL, et al. **Mutat Res** 1985 Mar;142(3):133–40

In vitro studies of biological effects of cigarette smoke condensate. I. Genotoxic and cytotoxic effects of neutral, semivolatile constituents. Curvall M, et al. **Mutat Res** 1985 Aug-Sep;157(2–3):169–80

A mutagenesis-enhancing activity of 12-O-tetradecanoylphorbol 13-acetate detected in Chinese hamster ovary cells. Dewdney RS, et al. **Mutat Res** 1984 Oct;129(1):119–27

Toxicity and mutagenicity of 6 anti-cancer drugs in Chinese hamster V79 cells co-cultured with rat hepatocytes. Dickins M, et al. **Mutat Res** 1985 Aug-Sep;157(2–3):189–97

The mutagenic potency of 4 agents at the thymidine kinase locus in mouse lymphoma L5178Y cells in vitro: effects of exposure time. Edgar DH. **Mutat Res** 1985 Aug-Sep;157(2–3):199–204

Induction of gene mutations in mice: the multiple endpoint approach. Ehling UH, et al. **Mutat Res** 1985 Jun-Jul;150(1–2):393–401

Abnormal development and transport and increased sister-chromatid exchange in preimplantation embryos following superovulation in mice. Elbling L, et al. **Mutat Res** 1985 Aug;147(4):189–95

Frameshift mutagenesis by acridines in wild-type, uvrB and polA strains of Salmonella typhimurium with and without plasmid pKM101. Ferguson LR, et al. **Mutat Res** 1984 Oct;141(2):83–8

Assessment of the genotoxic effects of methyl chloride in human lymphoblasts. Fostel J, et al. **Mutat Res** 1985 Jan-Feb;155(1–2):75–81

Mutagenicity studies on coffee. The influence of different factors on the mutagenic activity in the Salmonella/mammalian microsome assay. Friederich U, et al. **Mutat Res** 1985 Apr-May;156(1–2):39–52

Negative evidence for an adaptive response to lethal and mutagenic effects of alkylating agents in V79 Chinese hamster cells. Frosina G, et al. **Mutat Res** 1984 Nov;129(2):243–50

The action of anticlastogens in human lymphocyte cultures and its modification by rat liver S9 mix. I. Studies with AET and sodium fluoride. Gebhart E, et al. **Mutat Res** 1984 Nov;129(2):195–206

Tests for induction of dominant-lethal mutations and heritable translocations with tetrahydrocannabinol in male mice. Generoso WM, et al. **Mutat Res** 1985 May-Jun;143(1–2):51–3

Tests for dominant-lethal effects of 1,2-dibromo-3-chloropropane (DBCP) in male and female mice. Generoso WM, et al. **Mutat Res** 1985 Apr-May;156(1–2):103–8

Mutagenicity and chemical reactivity of epoxidic intermediates of the isoprene metabolism and other structurally related compounds. Gervasi PG, et al. **Mutat Res** 1985 Apr-May;156(1–2):77–82

Ethanol-induced genotoxicity. Hayes S. **Mutat Res** 1985 May-Jun;143(1–2):23–7

Mutagenicity of azo dyes in the Salmonella/microsome assay using in vitro and in vivo activation. Joachim F, et al. **Mutat Res** 1985 Jun;156(3):131–8

A method to quantify spontaneous and in vivo induced thioguanine-resistant mouse lymphocytes. Jones IM, et al. **Mutat Res** 1985 Jun;147(3):97–105

Inhibition of benzidine mutagenesis by nucleophiles: a study using the Ames test with hamster hepatic S9 activation. Josephy PD, et al. **Mutat Res** 1985 May-Jun;143(1–2):5–10

The interrelationship between SCE induction, cell survival, mutagenesis, aberration formation and DNA synthesis inhibition in V79 cells treated with N-methyl-N-nitrosourea or N-methyl-N'-nitro-N-nitrosoguanidine. Kaina B. **Mutat Res** 1985 Jan-Feb;142(1–2):49–54

Protection and potentiation of radiation clastogenesis by caffeine: nature of possible initial events. Kesavan PC, et al. **Mutat Res** 1985 May-Jun;143(1–2):61–8

Peroxyacetyl nitrate: measurement of its mutagenic activity using the Salmonella/mammalian microsome reversion assay. Kleindienst TE, et al. **Mutat Res** 1985 Aug-Sep;157(2–3):123–8

Induction of umuC gene expression by nitrogen dioxide in Salmonella typhimurium. Kosaka H, et al. **Mutat Res** 1985 Mar;142(3):99–102

Mutagenicity of methyl bromide in a series of short-term tests. Kramers PG, et al. **Mutat Res** 1985 Jan–Feb; 155(1–2):41–7

Sodium arsenite enhances the cytotoxicity, clastogenicity, and 6-thioguanine-resistant mutagenicity of ultraviolet light in Chinese hamster ovary cells. Lee TC, et al. **Mutat Res** 1985 Jan–Feb;148(1–2):83–9

Variance estimation in single-cell mutation assays: comparison to experimental observations in human lymphoblasts at 4 gene loci. Leong PM, et al. **Mutat Res** 1985 Jun–Jul;150(1–2):403–10

Mutational and pseudomutational effects of 5-bromodeoxyuridine in human lymphoblasts. Liber HL, et al. **Mutat Res** 1985 Aug;151(1):95–108

Genetic and quantum chemical basis of the mutagenicity of nitroarenes for adenine-thymine base pairs. McCoy EC, et al. **Mutat Res** 1985 May;149(3):311–9

Effects of caffeine on ultraviolet-induced base-pair substitution and frameshift mutagenesis in Salmonella. MacPhee DG, et al. **Mutat Res** 1985 May–Jun;143(1–2):1–3

Mutagenicity of cadmium in Salmonella typhimurium and its synergism with two nitrosamines. Mandel R, et al. **Mutat Res** 1984 Oct;138(1):9–16

Mutagenicities of xanthone derivatives in Salmonella typhimurium TA100, TA98, TA97, and TA2637. Matsushima T, et al. **Mutat Res** 1985 Jun–Jul; 150(1–2):141–6

Differences in the induction of SCEs between human whole blood cultures and purified lymphocyte cultures and the effect of an S9 mix. Mehnert K, et al. **Mutat Res** 1984 Dec;130(6):403–10

Apparent mutagenicity of N-nitrosothiazolidine caused by a trace contaminant. Miller AJ, et al. **Mutat Res** 1985 Aug–Sep;157(2–3):129–34

Mutagenicity of polycyclic aromatic compounds (PAC) identified in source emissions and ambient air. Møller M, et al. **Mutat Res** 1985 Aug–Sep;157(2–3):149–56

DNA damage induced by nitropyrenes in primary mouse hepatocytes and in rat H4-II-E hepatoma cells. Møller ME, et al. **Mutat Res** 1985 Aug;151(1):137–46

Mutagenicity of instant coffee on cultured Chinese hamster lung cells. Nakasato F, et al. **Mutat Res** 1984 Oct; 141(2):109–12

Allyl isothiocyanate is mutagenic in Salmonella typhimurium. Neudecker T, et al. **Mutat Res** 1985 Apr–May; 156(1–2):33–7

Mutagenicity of chloro-olefins in the Salmonella/mammalian microsome test. I. Allyl chloride mutagenicity re-examined. Neudecker T, et al. **Mutat Res** 1985 Aug–Sep; 157(2–3):145–8

Induction of superoxide dismutase, chromosomal aberrations and sister-chromatid exchanges by paraquat in Chinese hamster fibroblasts. Nicotera TM, et al. **Mutat Res** 1985 Sep;151(2):263–8

Superoxide dismutase acts as an enhancing factor for quercetin mutagenesis in rat-liver cytosol by preventing its decomposition. Ochiai M, et al. **Mutat Res** 1984 Oct; 129(1):19–24

Quantum-chemical studies of aflatoxin B1, sterigmatocystin and versicolorin A, and a comparison with their mutagenic activity. Pachter R, et al. **Mutat Res** 1985 May–Jun; 143(1–2):87–91

Mutagenicity of N-hydroxylamines and N-hydroxycarbamates towards strains of Escherichia coli and Salmonella typhimurium. Pai V, et al. **Mutat Res** 1985 Sep;151(2):201–7

Cytosine arabinoside is a potent clastogen and does not affect the repair of X-ray-induced chromosome fragments in unstimulated human lymphocytes. Pantelias GE, et al. **Mutat Res** 1985 Aug;151(1):65–72

Genotoxic effects and DNA photoadducts induced in Chinese hamster V79 cells by 5-methoxypsoralen and 8-methoxypsoralen. Papadopoulo D, et al. **Mutat Res** 1985 Sep;151(2):281–91

Involvement of DNA lesions and SOS functions in 5-bromouracil-induced mutagenesis. Pietrzykowska I, et al. **Mutat Res** 1985 May;149(3):287–96

Influence of treatment temperature on the genotoxic effects of cisplatin in CHO cells: cytotoxicity, mutagenicity and induction of lesions in DNA. Plooy AC, et al. **Mutat Res** 1985 Aug;151(1):129–36

Induction of the SOS response by ICR191 does not influence frameshift mutagenesis at the hisC3076 marker of Salmonella typhimurium. Podger DM, et al. **Mutat Res** 1985 Mar;142(3):87–91

Effect of retinoids on carcinogen-induced mutagenesis in Salmonella tester strains. Qin S, et al. **Mutat Res** 1985 Mar; 142(3):115–20

Mutagenicity of antiepileptic drugs. II. Phenytoin, primidone and phenobarbital. Riedel L, et al. **Mutat Res** 1984 Oct; 138(1):71–4

Bacteriophage T4 particles are refractory to bisulfite mutagenesis. Ripley LS, et al. **Mutat Res** 1984 Nov; 129(2):149–52

Oxidative mutagens specific for A-T base pairs induce forward mutations to L-arabinose resistance in Salmonella typhimurium. Ruiz-Rubio M, et al. **Mutat Res** 1985 Aug; 147(4):153–63

Mutagenicity of polycyclic aromatic hydrocarbons and quinones on Salmonella typhimurium TA97. Sakai M, et al. **Mutat Res** 1985 Apr–May;156(1–2):61–7

Desmutagenic substance in water extract of grass-wrack pondweed (Potamogeton oxyphylus Miquel). Sato T, et al. **Mutat Res** 1984 Oct;129(1):33–8

The genotoxicity of selenium. Shamberger RJ. **Mutat Res** 1985 Jul;154(1):29–48 (130 ref.)

Mouse spot tests with dimethylbenz[a]anthracene with and without phenobarbital pretreatment. Shibuya T, et al. **Mutat Res** 1984 Oct;141(2):105–8

Symposium on 'Dose-response relationship for genetic effects of environmental chemicals with special regard to the problem of thresholds'. Report of a conference held in Tokyo, 7–9 May 1984. Sobels FH. **Mutat Res** 1984 Dec; 130(6):425–8

Photochemical oxidation of 2-aminofluorene: correlation between the induction of direct-acting mutagenicity and the formation of nitro and nitroso aromatics. Strniste GF, et al. **Mutat Res** 1985 Aug;151(1):15–24

Evaluation of genotoxic potential of vincristine from multiple parameters. Subramanyam S, et al. **Mutat Res** 1984 Oct; 138(1):55–62

Orthophenylphenol mutagenicity in a human cell strain. Suzuki H, et al. **Mutat Res** 1985 Apr–May;156(1–2):123–7

Mutagenic characteristics of formaldehyde on bacterial systems. Takahashi K, et al. **Mutat Res** 1985 Jun; 156(3):153–61

Induced reversion of a Chinese hamster ovary triple auxotroph. Validation of the system with several mutagens. Taylor RT, et al. **Mutat Res** 1985 Sep;151(2):293–308

Heritable translocation study in male mice with trimethyl phosphate. Tezuka H, et al. **Mutat Res** 1985 Aug–Sep; 157(2–3):205–13

Frameshift mutagenesis by 9-aminoacridine and ICR191 in Escherichia coli: effects of uvrB, recA and lexA mutations and of plasmid pKM101. Thomas SM, et al. **Mutat Res** 1985 Aug;151(1):49–56

Investigation of the mutagenicity of ethylphenylglycidate. Tilch C, et al. **Mutat Res** 1984 Oct;138(1):1–8

Powerful mutagenicity of a bipyridylium herbicide in a nitrogen-fixing blue-green alga Nostoc muscorum. Vaishampayan A. **Mutat Res** 1984 Oct;138(1):39–46

Effects of nitrilotriacetic acid on the induction of gene mutations and sister-chromatid exchanges by insoluble chromium compounds. Venier P, et al. **Mutat Res** 1985 Jun;156(3):219–28

Induction of 6-thioguanine-resistant mutants and SCEs by 3 chemical mutagens (EMS, ENU and MMC) in cultured human blood lymphocytes. Vijayalaxmi, et al. **Mutat Res** 1984 Nov;129(2):283–9

The relationship between reaction kinetics and mutagenic action of monofunctional alkylating agents in higher eukaryotic systems. IV. The effects of the excision-defective mei-9L1 and mus(2)201D1 mutants on alkylation-induced genetic damage in Drosophila. Vogel EW, et al. **Mutat Res** 1985 Apr;149(2):193–207

A mutagen precursor in Chinese cabbage, indole-3-acetonitrile, which becomes mutagenic on nitrite treatment. Wakabayashi K, et al. **Mutat Res** 1985 May–Jun; 143(1–2):17–21

Ethanol-induced late fetal death in mice exposed around the time of fertilization. Washington WJ, et al. **Mutat Res** 1985 Aug;147(4):205–10

Genotoxicity studies with mineral oils; effects of oils on the microbial mutagenicity of precursor mutagens and genotoxic metabolites. Watson WP, et al. **Mutat Res** 1985 Apr;149(2):159–70

Azaserine: further evidence for DNA damage in Escherichia coli. Williams-Hill DM, et al. **Mutat Res** 1984 Nov; 129(2):153–64

Mutagenic activities of cyclophosphamide (NSC-26271) and its main metabolites in Salmonella typhimurium, human peripheral lymphocytes and Chinese hamster ovary cells. Winckler K, et al. **Mutat Res** 1984 Oct;129(1):47–55

Evaluation of genetic damage induced by 8-ethoxycaffeine in Drosophila melanogaster. Xamena N, et al. **Mutat Res** 1985 Apr;149(2):189–92

Genetic change may be caused by interference with protein-protein interactions. Zimmermann FK, et al. **Mutat Res** 1985 Jun–Jul;150(1–2):203–10

Effects of 3-aminobenzamide on Chinese hamster cells treated with thymidine analogues and DNA-damaging agents. Chromosomal aberrations, mutations and cell-cycle progression. Zwanenburg TS, et al. **Mutat Res** 1985 Sep; 151(2):251–62

Direct mutagenesis of Ha-ras-1 oncogenes by N-nitroso-N-methylurea during initiation of mammary carcinogenesis in rats. Zarbl H, et al. **Nature** 1985 May 30–Jun 5;315(6018):382–5

The complete pattern of mutagenesis arising from the repair of site-specific psoralen crosslinks: analysis by oligonucleotide hybridization. Saffran WA, et al. **Nucleic Acids Res** 1984 Dec 21;12(24):9237–48

A mutation in the beta-globin gene detected in the progeny of a female mouse treated with ethylnitrosourea. Lewis SE, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5829–31

Examination of action spectrum, dose rate and mutagenic properties of hematoporphyrin derivative photoradiation therapy. Gomer CJ, et al. **Prog Clin Biol Res** 1984; 170:459–69

Induction of chromosome aberrations and specific locus mutation but not sister chromatid exchanges in Chinese hamster ovary cells by neocarzinostatin. Au WW, et al. **Teratogenesis Carcinog Mutagen** 1984;4(6):515–22

Transplaccntal genetic and cytogenetic effects of alkylating agents in the mouse. I: Induction of somatic coat color mutations. Braun R, et al. **Teratogenesis Carcinog Mutagen** 1984;4(5):449–57

Comparative genetic activity of cis- and trans-1,2-dichloroethylene in yeast. Bronzetti G, et al. **Teratogenesis Carcinog Mutagen** 1984;4(4):365–75

Genetic activity of the carcinogen N-nitrosodiethanolamine (NDELA) on unstable mutant alleles of the white locus in Drosophila melanogaster. Fahmy MJ, et al. **Teratogenesis Carcinog Mutagen** 1984;4(5):437–47

Lack of in vivo and in vitro genotoxicity with the nonsteroid, antiinflammatory agent sodium meclofenamate. Kropko ML, et al. **Teratogenesis Carcinog Mutagen** 1984; 4(4):329–40

Glucuronide conjugation reduces the cytotoxicity but not the mutagenicity of benzo(a)pyrene in the CHO/HGPRT assay. Recio L, et al. **Teratogenesis Carcinog Mutagen** 1984; 4(5):391–402

UV-repair and mutagenesis in Azotobacter vinelandii. II. Repair and mutagenesis. Majumdar S, et al. **Zentralbl Mikrobiol** 1985;140(3):255–8

RADIATION EFFECTS

Calibration of the maize yg2 assay using gamma radiation and ethylmethanesulfonate. Plewa MJ, et al. **Environ Mutagen** 1984;6(6):781–95

Mutagenesis in Caenorhabditis elegans. II. A spectrum of mutational events induced with 1500 r of gamma-radiation. Rosenbluth RE, et al. **Genetics** 1985 Mar;109(3):493–511

Ultraviolet irradiation mutagenesis and recombination in Spiroplasma citri. Labarere J, et al. **Isr J Med Sci** 1984 Sep;20(9):826–9

Ultraviolet mutagenesis and inducible DNA repair in Caulobacter crescentus. Bender RA. **MGG** 1984; 197(3):399–402

Involvement of DNA polymerase III in UV-induced mutagenesis of bacteriophage lambda. Brotcorne-Lannoye A, et al. **MGG** 1985;199(1):64–9

Mutagenesis in UV-irradiated simian virus 40 occurs predominantly at pyrimidine doublets. Braggaar H, et al. **Mutat Res** 1985 Mar;142(3):75–81

The two-step model of bacterial UV mutagenesis. Bridges BA, et al. **Mutat Res** 1985 Jun–Jul;150(1–2):133–9

The nature of mutants induced by ionising radiation in cultured hamster cells. I. Isolation and initial characterisation of spontaneous, ionising radiation-induced, and ethyl methanesulphonate-induced mutants resistant to 6-thioguanine. Brown R, et al. **Mutat Res** 1984 Nov; 129(2):269–81

Differential effect of ultraviolet light on the induction of simian virus 40 and a cellular mutator phenotype in transformed mammalian cells. Dinsart C, et al. **Mutat Res** 1985 Aug;151(1):9–14

Chloramphenicol-promoted increase in resistance to UV damage in Escherichia coli B/r WP2 trpE65: development of the capacity for successful repair of otherwise mutagenic or lethal lesions in DNA. Doudney CO, et al. **Mutat Res** 1985 May–Jun;143(1–2):29–34

Studies on mutagen-sensitive strains of Drosophila melanogaster. VI. The effect of DNA-repair deficiencies in spermatids, spermatocytes and spermatogonia irradiated in N2 or O2. Eeken JC, et al. **Mutat Res** 1985 May; 149(3):409–14

Differential response of human fibroblasts to the cytotoxic and mutagenic effects of UV radiation in different phases of the cell cycle. Enninga IC, et al. **Mutat Res** 1985 Jan–Feb;148(1–2):119–28

Studies on mutagen-sensitive strains of Drosophila melanogaster. IV. Modification of genetic damage induced by X-irradiation of spermatozoa and spermatids in N2 or O2 by mei-9a, mei-41D5 and mus(1)101D1. Ferro W, et al. **Mutat Res** 1985 May;149(3):385–98

Studies on mutagen-sensitive strains of Drosophila melanogaster. V. Biochemical characterization of a strain (ebony) that is UV- and X-ray sensitive and deficient in photorepair. Ferro W. **Mutat Res** 1985 May;149(3):399–408

Genetic injury in hybrid male mice exposed to low doses of 60Co gamma-rays or fission neutrons. I. Response to single doses. Grahn D, et al. **Mutat Res** 1984 Nov; 129(2):215–29

Analysis of non-linearities in mutation frequency curves. Haynes RH, et al. **Mutat Res** 1985 Jun–Jul;150(1–2):51–9

Effects of DNA-repair processes on the induction of genetic duplications in bacteria by ultraviolet light. Hoffmann GR, et al. **Mutat Res** 1985 Aug;151(1):25–33

UV-induced mutagenesis at the hypoxanthine-guanine phosphoribosyl transferase locus in two L5178Y mouse lymphoma cell strains with different UV sensitivities. Jacobson ED, et al. **Mutat Res** 1984 Nov;129(2):259–67

Complementation of a pKM101 derivative that decreases resistance to UV killing but increases susceptibility to mutagenesis. Langer PJ, et al. **Mutat Res** 1985 Jun–Jul; 150(1–2):147–58

Frameshift mutagenesis by ultraviolet and gamma radiations in Salmonella: SOS inducibility and effects of DNA polymerase I. MacPhee DG, et al. **Mutat Res** 1985 Sep; 151(2):209–15

The effect of repeated microwave irradiation on the frequency of sex-linked recessive lethal mutations in

Drosophila melanogaster. Marec F, et al. **Mutat Res** 1985 Aug-Sep;157(2-3):163-7

Studies on chromosome aberrations in the eggs of mice fertilized in vitro after irradiation. II. Chromosome aberrations induced in mature oocytes and fertilized eggs at the pronuclear stage following X-irradiation. Matsuda Y, et al. **Mutat Res** 1985 Sep;151(2):275-80

X-ray induction of 6-thioguanine-resistant mutants in division arrested, G0/G1 phase Chinese hamster ovary cells. O'Neill JP, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):443-50

Studies on mutagen-sensitive strains of Drosophila melanogaster. VII. Effects of repair deficiency in males on X-ray-induced sex-linked recessive lethals in spermatozoa. Sankaranarayanan K, et al. **Mutat Res** 1985 May;149(3):415-9

Mutational changes of quantitative morphological traits in the convict cichlid (Cichlasoma nigrofasciatum Guenther) after irradiation of parental spermatogonia and oogonia with different doses of X-rays. Schröder JH, et al. **Mutat Res** 1985 Apr;149(2):209-19

Mutagenic action of monochromatic UV radiation in the solar range on human cells. Tyrrell RM. **Mutat Res** 1984 Oct;129(1):103-10

Action spectra for killing and mutation of Chinese hamster cells exposed to mid- and near-ultraviolet monochromatic light. Wells RL, et al. **Mutat Res** 1984 Nov;129(2):251-8

Discrimination between the effects of X-ray irradiation of the mouse oocyte and uterus on the induction of dominant lethals and congenital anomalies. West JD, et al. **Mutat Res** 1985 Apr;149(2):221-30

Mutagenic repair in Escherichia coli: products of the recA gene and of the umuD and umuC genes act at different steps in UV-induced mutagenesis. Bridges BA, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4193-7

MUTISM

COMPLICATIONS

[A paradox: deaf-muteness, a minor oral handicap] Serazin MJ. **Bull Soc Pathol Exot Filiales** 1985;78(1):94-100 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

A comparison of elective mutism and emotional disorders in children. Wilkins R. **Br J Psychiatry** 1985 Feb;146:198-203

ETIOLOGY

Muteness of cerebellar origin. Rekate HL, et al. **Arch Neurol** 1985 Jul;42(7):697-8

Mutism following left hemisphere infarction. David AS, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1342-4

Acute traumatic mutism. Ferrara VL. **Surg Neurol** 1985 Jun;23(6):573-4

[Borderline cases of Landau-Kleffner syndrome] Campan, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(4):353-60 **(Fre)**

PSYCHOLOGY

Conversion mutism: case report and discussion. Thorpe LU, et al. **Can J Psychiatry** 1985 Feb;30(1):71-3

THERAPY

Elective mutism associated with selective inactivity. Hill L, et al. **J Commun Disord** 1985 Jun;18(3):161-7

MUTISM, AKINETIC see **AKINETIC MUTISM**

MUZOLIMINE see under **PYRAZOLES**

MYALGIA, EPIDEMIC see **PLEURODYNIA, EPIDEMIC**

MYASTHENIA GRAVIS

Dental treatment of patients with myasthenia gravis. Shaw DH, et al. **J Oral Med** 1982 Oct-Dec;37(4):118-20

[Drugs and myasthenia gravis] Petrášek J. **Cas Lek Cesk** 1984 Aug 31;123(35):1099 **(Cze)**

[Peridural anesthesia in an obstetrical myasthenic patient. Apropos of a case] Spiers C, et al. **Cah Anesthesiol** 1982 Dec;30(8):1095-9 **(Fre)**

BLOOD

The predominant lymphocyte in most thymomas and in nonneoplastic thymus from patients with myasthenia gravis is the cortical thymocyte. Aisenberg AC, et al. **Clin Immunol Immunopathol** 1985 Apr;35(1):130-6

Complement-dependent toxicity of serum from myasthenic patients to muscle cells in culture. Childs LA, et al. **J Neuroimmunol** 1985 Jul;9(1-2):69-80

[Serum levels of pyridostigmine in myasthenia gravis: methods and clinical significance] Schumm F, et al. **Fortschr Neurol Psychiatr** 1985 Jun;53(6):201-11 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Penicillamine-induced ocular myasthenia gravis. O'Keefe M, et al. **Am J Ophthalmol** 1985 Jan 15;99(1):66-7

Myasthenic pseudo-internuclear ophthalmoplegia due to penicillamine [letter] George J, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1044

[Myasthenic syndrome induced by chloroquine poisoning: an unusual clinical form confirmed by ocular involvement] Pichon P, et al. **Bull Soc Ophtalmol Fr** 1984 Feb;84(2):219-22, 225 **(Fre)**

[Myasthenia during treatment of rheumatoid polyarthritis with D-penicillamine] Carter H, et al. **Therapie** 1984 Nov-Dec;39(6):689-95 (Eng. Abstr.) **(Fre)**

[Myasthenia gravis induced by D-penicillamine in a patient with progressive systemic sclerosis] Marchiori PE, et al. **Arq Neuropsiquiatr** 1984 Dec;42(4):380-3 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Prolonged neuromuscular blockade after renal transplantation. Bradley JP, et al. **Anaesth Intensive Care** 1985 May;13(2):196-8

Vecuronium in myasthenia gravis [letter] Pelton CI. **Anaesthesia** 1985 Jan;40(1):82-3

Thymoma with immunodeficiency (Good's syndrome) associated with myasthenia gravis and benign IgG gammopathy. Soppi E, et al. **Arch Intern Med** 1985 Sep;145(9):1704-7

Invasive thymoma with myasthenia gravis. Monden Y, et al. **Cancer** 1984 Dec 1;54(11):2513-8

Graves' ophthalmopathy, ocular myasthenia gravis and Hashimoto's thyroiditis. Czernobilsky H, et al. **Isr J Med Sci** 1985 Apr;21(4):377-80

Myasthenia gravis associated with a hormone producing malignant carcinoid tumour [letter] Wroe SJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):719-20

Myasthenia gravis and pemphigus vulgaris. Shabbir SG, et al. **JPMA** 1984 Nov;34(11):349-51

Myasthenia gravis associated with lipodystrophy. Arai M, et al. **Jpn J Med** 1985 Feb;24(1):50-2

Respiratory arrest during therapy for premature labor in a patient with myasthenia gravis. Catanzarite VA, et al. **Obstet Gynecol** 1984 Dec;64(6):819-22

Thyrotoxicosis, myasthenia gravis and periodic paralysis in a Chinese man. Lee KO, et al. **Postgrad Med J** 1985 Jan;61(711):49-50

[Surgical treatment of thymic tumors with myasthenia gravis] Luo JA. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):296-9 (Eng. Abstr.) **(Chi)**

[Respiratory insufficiency in myasthenia gravis] Kuks JB, et al. **Ned Tijdschr Geneeskd** 1985 May 25;129(21):996-1000 (Eng. Abstr.) **(Dut)**

[Myasthenia gravis, thymoma and immunodeficiency] Lehtonen A, et al. **Duodecim** 1984;100(22):1544-50 **(Fin)**

[Psychotic manifestations in myasthenia gravis] Schmitt L, et al. **Ann Med Psychol (Paris)** 1984 Jul-Aug;142(7):1007-11 **(Fre)**

[Velopharyngoplasty in myasthenic patients. Anesthesia-resuscitation problems] Spiers C, et al. **Cah Anesthesiol** 1982 Nov;30(7):913-21 **(Fre)**

[An autopsy case of pure red cell aplasia with myasthenia gravis, thymoma and various immune abnormalities] Inoue A, et al. **Nippon Naika Gakkai Zasshi** 1984 Jun;73(6):817-24 **(Jpn)**

[A case of myasthenia gravis associated with thymoma and thyroid cancer] Kajikawa S, et al. **Rinsho Kyobu Geka** 1984 Jul;4(4):483-7 (Eng. Abstr.) **(Jpn)**

[A case of myasthenia gravis with malignant thymoma and features of Eaton-Lambert syndrome] Kusunoki S, et al. **Rinsho Shinkeigaku** 1984 Jul;24(7):665-9 (Eng. Abstr.) **(Jpn)**

[A case of myasthenia gravis complicated by cortisol-producing adrenal adenoma] Sakashita I, et al. **Rinsho Shinkeigaku** 1984 Sep;24(9):916-9 (Eng. Abstr.) **(Jpn)**

[Thyroid diseases and myasthenia gravis] De Assis JL, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):226-31 (Eng. Abstr.) **(Por)**

[Diseases and syndromes associated with myasthenia gravis in a group of 304 patients] De Assis JL, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):221-5 (Eng. Abstr.) **(Por)**

[Myasthenia gravis associated with systemic lupus erythematosus] Pribylova NN, et al. **Revmatologiia (Mosk)** 1984 Oct-Dec;(4):54-5 **(Rus)**

CONGENITAL

Diagnostic application of an axillary block in an infant. Lynch C 3d, et al. **Anesthesiology** 1985 Apr;62(4):524-6

Unusual association of insulin-dependent diabetes mellitus with congenital myasthenia gravis and autoimmune thyroid disease. Karp M, et al. **Isr J Med Sci** 1984 Nov;20(11):1078-81

Paucity of secondary synaptic clefts in a case of congenital myasthenia with multiple contractures: ultrastructural morphology of a developmental disorder. Smit LM, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1091-7

DIAGNOSIS

Heart disease in myasthenia gravis. Hofstad H, et al. **Acta Neurol Scand** 1984 Sep;70(3):176-84

Comparison of diagnostic tests in myasthenia gravis. Nicholson GA, et al. **Clin Exp Neurol** 1983;19:45-9

A patient with myasthenia gravis and progressive dystonia with marked diurnal fluctuation. Chan-Lui WY, et al. **Dev Med Child Neurol** 1984 Oct;26(5):665-8

EEG finding in myasthenia gravis. Kazis A, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec;24(7):577-82

Weakness and 'tiredness': when to suspect myasthenia gravis. Sellman MS, et al. **Geriatrics** 1985 Jan;40(1):92-4, 100-6, 111-2

[Myasthenia with oculomotor manifestations. Diagnostic and therapeutic possibilities. Apropos of a case] Laroche L, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1109-13 **(Fre)**

[Differential diagnosis of isolated ptosis. Early myasthenia or denervation of the superior tarsal muscle?] Conrad B, et al. **Nervenarzt** 1984 Aug;55(8):432-5 **(Ger)**

[Clinical evaluation system (score) of ocular symptoms in myasthenia gravis] Schumm F, et al. **Nervenarzt** 1985 Apr;56(4):186-7 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Myasthenia gravis: reactivation of clinical disease and of autoimmune factors after discontinuation of long-term azathioprine. Hohlfeld R, et al. **Ann Neurol** 1985 Mar;17(3):238-42

Worsening of myasthenia gravis with timolol maleate eyedrops [letter] Verkijk A. **Ann Neurol** 1985 Feb;17(2):211-2

Treatment of experimental myasthenia gravis with cyclosporin A. Drachman DB, et al. **Clin Immunol Immunopathol** 1985 Feb;34(2):174-88

Improvement in neuromuscular transmission in myasthenia gravis by 3,4-diaminopyridine. Lundh H, et al. **Eur Arch Psychiatry Neurol Sci** 1985;234(6):374-7

Azathioprine experience in severe, generalized, recalcitrant myasthenia gravis. Kornfeld P, et al. **Mt Sinai J Med (NY)** 1985 May;52(5):347-52

Treatment of Lambert-Eaton syndrome: 3,4-diaminopyridine and pyridostigmine. Lundh H, et al. **Neurology (NY)** 1984 Oct;34(10):1324-30

[Large dose of prednisone in the treatment of the oculomuscular type of myasthenia gravis] Wang DC. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):245-7 **(Chi)**

[Preliminary observation of the effect of thymosin on myasthenia gravis] Zhang ZX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct;6(5):366-9 (Eng. Abstr.) **(Chi)**

[Ocular myasthenia] Huber A. **Klin Monatsbl Augenheilkd** 1985 Mar;186(3):158-60 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Studies on terminal deoxynucleotidyl transferase and adenosine deaminase in myasthenic thymus. Vezzoni P, et al. **J Neuroimmunol** 1984 Sep-Oct;6(6):427-33

Myasthenia gravis: long-term prognostic value of thymus lactate dehydrogenase isoenzyme pattern of hyperplastic thymus and thymoma. Szathmáry I, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):757-61

ETIOLOGY

Myasthenia gravis three years after thymectomy: immunological studies. Zahavi I, et al. **Asian Pac J Allergy Immunol** 1984 Jun;2(1):97-102

Monoclonal anti-acetylcholine receptor antibodies with differing capacities to induce experimental autoimmune myasthenia gravis. Gomez CM, et al. **J Immunol** 1985 Jul;135(1):234-41

A molecular hypothesis concerning the pathogenesis of myasthenia gravis. Norstrand IF. **Med Hypotheses** 1985 Apr;16(4):365-9

Sharing of antigenic determinants between the nicotinic acetylcholine receptor and proteins in Escherichia coli, Proteus vulgaris, and Klebsiella pneumoniae. Possible role in the pathogenesis of myasthenia gravis. Stefansson K, et al. **N Engl J Med** 1985 Jan 24;312(4):221-5

[Fulminating fatal dermatomyositis and myasthenia gravis after a bee sting (clinicopathological study)] Szobor A, et al. **Morphol Igazsagugyi Orv Sz** 1985 Jul;25(3):207-12 (Eng. Abstr.) **(Hun)**

FAMILIAL & GENETIC

Familial infantile myasthenia gravis. Report of three cases with follow-up until adult life. Gieron MA, et al. **Arch Neurol** 1985 Feb;42(2):143-4

Anti-idiotypic antibodies, acetylcholine receptor antibodies and disturbed neuromuscular function in healthy relatives to patients with myasthenia gravis. Lefvert AK, et al. **J Neuroimmunol** 1985 Jul;9(1-2):41-53

Gm allotypes in Finnish myasthenia gravis patients. Smith CI, et al. **Neurology** 1984 Dec;34(12):1604-5

Diaphragmatic myasthenia in mother and child. Mier AK, et al. **Postgrad Med J** 1985 Aug;61(718):725-7

Familial infantile myasthenia gravis: a preventable cause of sudden death. Baptist EC, et al. **South Med J** 1985 Feb;78(2):201-2

[Familial myasthenia gravis: report of 2 brothers] de Freitas MR, et al. **Arq Neuropsiquiatr** 1985 Mar;43(1):80-5 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Effect of myasthenia serum and anti-acetylcholine receptor monoclonal antibody on the distributions of T-cell subsets in myasthenia patients and normal subjects. Chiu HC, et al. **Asian Pac J Allergy Immunol** 1985 Jun;3(1):30-6

Anti-acetylcholine receptor idiotypes in myasthenia gravis analysed by rabbit anti-sera. Lang B, et al. **Clin Exp Immunol** 1985 Jun;60(3):637-44

Acetylcholine receptor antibody characteristics in myasthenia gravis. III. Patients with low anti-AChR antibody levels. Vincent A, et al. **Clin Exp Immunol** 1985 Jun;60(3):631-6

Cell types required for anti-acetylcholine receptor antibody synthesis by cultured thymocytes and blood lymphocytes in myasthenia gravis. Willcox HN, et al. **Clin Exp Immunol** 1984 Oct;58(1):97-106

Acetylcholine receptor antibody-producing cells in thymus and lymph nodes in myasthenia gravis. Fujii Y, et al. **Clin Immunol Immunopathol** 1985 Jan;34(1):141-6

T-cell subsets regulating anti-acetylcholine-receptor-antibody formation in myasthenia gravis and characterization of suppressor T-cell factors involved. Shinomiya N, et al. **Clin Immunol Immunopathol** 1984 Nov;33(2):182-90

Mutation at I-A beta chain prevents experimental autoimmune myasthenia gravis. Christadoss P, et al. **Immunogenetics** 1985;21(1):33-8

Genetic restriction of autoreactive acetylcholine receptor-specific T lymphocytes in myasthenia gravis. Hohlfeld R, et al. **J Immunol** 1985 Oct;135(4):2393-9

Specific killing of lymphocytes that cause experimental autoimmune myasthenia gravis by ricin toxin-acetylcholine receptor conjugates. Killen JA, et al. **J Immunol** 1984 Nov;133(5):2549-53

Role of the main immunogenic region of acetylcholine receptor in myasthenia gravis. An Fab monoclonal antibody protects against antigenic modulation by human sera. Tzartos SJ, et al. **J Immunol** 1985 Apr;134(4):2343-9

A solid-phase enzyme immunoassay for anti-acetylcholine receptor antibody in myasthenia gravis patients. Kobayashi N, et al. **J Immunol Methods** 1984 Oct 26;73(2):267-72

Muscle acetylcholine receptor loss in murine experimental autoimmune myasthenia gravis: correlated with cellular, humoral and clinical responses. Christadoss P, et al. **J Neuroimmunol** 1985 Apr;8(1):29-41

Myasthenia gravis and HLA antigens in American blacks and other races. Christiansen FT, et al. **J Neuroimmunol** 1984 Dec;7(2-3):121-9

A practical enzyme immunoassay for anti-acetylcholine receptor antibodies in myasthenia gravis. Furukawa S, et al. **J Neuroimmunol** 1984 Sep-Oct;6(6):397-409

Skeletal muscle antibodies in patients with a thymic tumour but without myasthenia gravis. Gilhus NE, et al. **J Neuroimmunol** 1985 May;8(2-3):69-78

Antibodies against human neuroblastoma cells in the sera of patients with myasthenia gravis. Müller KM, et al. **J Neuroimmunol** 1984 Dec;7(2-3):97-105

Extractable nuclear antigen autoantibodies and their association with other autoantibodies and thymoma in myasthenia gravis. Warlow R, et al. **J Neuroimmunol** 1985 May;8(2-3):185-97

Anti-acetylcholine receptor antibodies in myasthenia gravis. Part 3. The effect of thymectomy. Oosterhuis HJ, et al. **J Neurol Sci** 1985 Jul;69(3):335-43

Myasthenia gravis-associated antibodies in asymptomatic thymoma. Moore HJ, et al. **J Thorac Cardiovasc Surg** 1985 Feb;89(2):308-10

Use of monoclonal antiacetylcholine receptor antibodies to investigate the macrophage inflammation of acute experimental myasthenia gravis: refractoriness to a second episode of acute disease. Corey AL, et al. **Neurology** 1985 Oct;35(10):1455-60

Acetylcholine receptor antibody production by bone marrow cells in a patient with myasthenia gravis. Fujii Y, et al. **Neurology** 1985 Apr;35(4):577-9

Antivirus antibodies in myasthenia gravis. Klavinskis LS, et al. **Neurology** 1985 Sep;35(9):1381-4

Myasthenic serum selectively blocks acetylcholine receptors with long channel open times at developing rat endplates. Schuetze SM, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2533-7

Prevention of experimental autoimmune myasthenia gravis in rats by fetal alpha-fetoprotein-rich fractions. Brenner T, et al. **Tumour Biol** 1984;5(5):263-74

Myasthenia gravis--current concepts [clinical conference] Herrmann C Jr, et al. **West J Med** 1985 Jun;142(6):797-809 (148 ref.)

[Clinical study of 100 cases of myasthenia gravis] Zhang ZX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Aug;17(4):214-9 (Eng. Abstr.) **(Chi)**

[HLA and myasthenia. Subdivision in 3 categories] Elchidiac A, et al. **Pathol Biol (Paris)** 1985 Jan;33(1):50-4 (Eng. Abstr.) **(Fre)**

[Presence of antinuclear antibodies of the nucleolar type in Lambert-Eaton myasthenic syndrome (letter)] Chaouat D, et al. **Presse Med** 1984 Nov 17;13(41):2521 **(Fre)**

[Myasthenia gravis: biochemical and immunological aspects. State of research (2)] Maufort-Nortier J. **Rev Med Brux** 1984 Dec;5(10):643-9 (Eng. Abstr.) **(Fre)**

[Correlation of acetylcholine receptor antibodies and clinical severity of myasthenia gravis in combined immunosuppressive therapy] Schumm F, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(4):224-30 (Eng. Abstr.) **(Ger)**

[Comparison of the acetylcholine receptor antibody titer and clinical course in neonatal myasthenia] Lischka A, et al. **Klin Padiatr** 1984 Sep-Oct;196(5):321-3 (Eng. Abstr.) **(Ger)**

[Amount of circulating acetylcholine receptor antibodies in the course of myasthenia, following thymectomy and in immunosuppressive therapy] Patzold U, et al. **Nervenarzt** 1984 Aug;55(8):426-31 **(Ger)**

[The thymus and autoimmune disorders] Arimori S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jan;23(1):24-30 (Eng. Abstr.) **(Jpn)**

[Myasthenia gravis and neurotransmitters] Arimori S. **Nippon Rinsho** 1984 Apr;42(4):844-9 **(Jpn)**

[Various immunological phenomena in myasthenia gravis. Preliminary report] Płużańska A, et al. **Neurol Neurochir Pol** 1984 May-Jun;18(3):215-21 (Eng. Abstr.) **(Pol)**

METABOLISM

Pyridostigmine kinetics in healthy subjects and patients with myasthenia gravis. Breyer-Pfaff U, et al. **Clin Pharmacol Ther** 1985 May;37(5):495-501

Rabbit antiserum to a citric acid extract of human skeletal muscle staining thymomas from myasthenia gravis patients. Gilhus NE, et al. **J Neuroimmunol** 1984 Nov;7(1):55-64

The effects of a myasthenic serum on the acetylcholine receptors of C2 myotubes. I. Immunological distinction between the two toxin-binding sites of the receptor. Gu Y, et al. **J Neurosci** 1985 Jul;5(7):1909-16

The effects of a myasthenic serum on the acetylcholine receptors of C2 myotubes. II. Functional inactivation of the receptor. Maricq AV, et al. **J Neurosci** 1985 Jul;5(7):1917-24

MICROBIOLOGY

RNA tumor virus-like particles in thymus cells of patients with myasthenia gravis. Ono A, et al. **Keio J Med** 1983 Nov;32(1-2):49-57

Attempts to implicate viruses in myasthenia gravis. Aoki T, et al. **Neurology** 1985 Feb;35(2):185-92

OCCURRENCE

Epidemiology of myasthenia gravis in Norway. Storm-Mathisen A. **Acta Neurol Scand** 1984 Oct;70(4):274-84

Myasthenia gravis in Chinese children. Chan-Lui WY, et al. **Dev Med Child Neurol** 1984 Dec;26(6):717-24

Infantile myasthenia. Chan-Lui WY, et al. **Neuropediatrics** 1985 Feb;16(1):24-8

PATHOLOGY

Ultrastructural study of neuromuscular junctions in experimental autoimmune myasthenia gravis (EAMG) in rabbits. Arizono N, et al. **Acta Pathol Jpn** 1985 May;35(3):621-9

Microenvironments in the normal thymus and the thymus in myasthenia gravis. Bofill M, et al. **Am J Pathol** 1985 Jun;119(3):462-73

The immunohistology of the thymus in myasthenia gravis. Kornstein MJ, et al. **Am J Pathol** 1984 Nov;117(2):184-94

Histioeosinophilic granulomas in the thymuses of 29 myasthenic patients: a complication of pneumomediastinum. Haliček F, et al. **Hum Pathol** 1984 Dec;15(12):1137-44

PHYSIOPATHOLOGY

Fatigue of voluntary contractions in normal and myasthenic human subjects. Secher NH, et al. **Acta Physiol Scand** 1984 Nov;122(3):243-8

Atracurium in the myasthenic patient. Bell CF, et al. **Anaesthesia** 1984 Oct;39(10):961-8

The response of myasthenia gravis to atracurium. Vacanti CA, et al. **Anesthesiology** 1985 May;62(5):692-4

Corneal sensitivity in myasthenia gravis. Nazarian J, et al. **Br J Ophthalmol** 1985 Jul;69(7):519-21

The effect of continuous voluntary activation on neuromuscular transmission: a SFEMG study of myasthenia gravis and anterior horn cell disorders. Ingram DA, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar;60(3):207-13

Pulmonary function studies in myasthenia gravis. Jain S, et al. **Indian J Med Res** 1984 Jun;79:806-12

Gonadotropin, prolactin and TSH secretion in patients with myasthenia gravis. Shapiro MS, et al. **J Endocrinol Invest** 1984 Dec;7(6):579-83

Experimental autoimmune myasthenia gravis: can pretreatment with 125I-labeled receptor prevent functional damage at the neuromuscular junction? Sterz RK, et al. **J Immunol** 1985 Feb;134(2):841-6

Do true remissions in myasthenia really exist? An electrophysiological study. Emeryk B, et al. **J Neurol** 1985;231(6):331-5

Presynaptic function modified by acetylcholine-receptor interaction in experimental autoimmune myasthenia gravis. Takamori M, et al. **J Neurol Sci** 1984 Nov-Dec;66(2-3):245-53

Bell's phenomenon in diagnosis of myasthenia gravis [letter] Furukawa T, et al. **Lancet** 1984 Nov 10;2(8411):1090-1

Undiagnosed myasthenia gravis in a parturient undergoing cesarean section--maternal and neonatal complications. Usta N, et al. **Middle East J Anaesthesiol** 1984 Feb;7(4):277-81

Myasthenic crisis after intravenous administration of iodinated contrast agent. Chagnac Y, et al. **Neurology** 1985 Aug;35(8):1219-20

Primary therapy for small cell lung cancer reversing the Eaton-Lambert syndrome. Kalter S, et al. **South Med J** 1985 Feb;78(2):197-8

[Myasthenia gravis: biochemical and immunological aspects, status of research. (I)] Maufort-Nortier J. **Rev Med Brux** 1984 Nov;5(9):579-88 (53 ref.) (Eng. Abstr.) **(Fre)**

[Myasthenia gravis and saccadic movements. Post-thymectomy results in a case] Albera R, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):491-6 (Eng. Abstr.) **(Fre)**

[Eaton-Lambert myasthenic syndrome, subacute cortical cerebellar degeneration and somatosensory polyneuropathy in small cell bronchial cancer] König F, et al. **Nervenarzt** 1984 Aug;55(8):436-40 **(Ger)**

REHABILITATION

[Rehabilitation of myasthenia patients following thymectomy] Shevniuk MM, et al. **Vrach Delo** 1984 Nov;(11):70-1 (Eng. Abstr.) **(Rus)**

SURGERY

Atracurium in myasthenics undergoing thymectomy. Baraka A, et al. **Anesth Analg** 1984 Dec;63(12):1127-30

Cervical thymectomy in the treatment of myasthenia gravis. Donnelly RJ, et al. **Ann R Coll Surg Engl** 1984 Sep;66(5):305-8

Anaesthesia for transcervical thymectomy in myasthenia gravis. Florence AM. **Ann R Coll Surg Engl** 1984 Sep;66(5):309-12

Thymectomy for myasthenia gravis: 14-year experience. Hankins JR, et al. **Ann Surg** 1985 May;201(5):618-25

Myasthenia gravis in elderly patients. Monden Y, et al. **Ann Thorac Surg** 1985 May;39(5):433-6

Postoperative ventilatory dependency following thymectomy for myasthenia gravis. Sivak ED, et al. **Cleve Clin Q** 1984 Winter;51(4):585-9

Thymectomy in myasthenia with pure ocular symptoms. Schumm F, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr;48(4):332-7

Effect of prethymectomy plasma exchange on postoperative respiratory function in myasthenia gravis. d'Empaire G, et al. **J Thorac Cardiovasc Surg** 1985 Apr;89(4):592-6

Failing transcervical thymectomy in myasthenia gravis. An evaluation of transsternal re-exploration. Henze A, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(3):235-8

[Cervical and sternotomic approaches to the non-neoplastic thymus in myasthenia. Comparison based on long-term results] Bellantone R, et al. **Ann Chir** 1985 Mar;39(2):160-2 (Eng. Abstr.) **(Fre)**

[Thymectomy in myasthenia gravis pseudoparalytica] Wolff H. **Zentralbl Chir** 1984;109(21):1372-9 (Eng. Abstr.) **(Ger)**

[Syndrome of amyotrophic lateral sclerosis after thymectomy performed for myasthenic syndrome] Sawicka E, et al. **Neurol Neurochir Pol** 1985 Jan-Feb;19(1):43-7 (Eng. Abstr.) **(Pol)**

[Preoperative management and surgical treatment of myasthenia] Stonogin VD, et al. **Grudn Khir** 1985 May-Jun;(3):71-5 (Eng. Abstr.) **(Rus)**

[Combined ketalar anesthesia and controlled respiration during thymectomy on myasthenia patients] Skripnichenko DF, et al. **Klin Khir** 1984 Dec;(12):26 (Eng. Abstr.) **(Rus)**

[Thymectomy for generalized myasthenia in a 10-year-old girl] Korovin MI, et al. **Pediatriia** 1985 Apr;(4):68-9 **(Rus)**

[Thymectomy for myasthenia in twin sisters] Vasil'ev VN, et al. **Vestn Khir** 1984 Oct;133(10):75-6 **(Rus)**

[Systemic lupus erythematosus 5 years after thymectomy for myasthenia gravis (letter)] Ortega González G, et al. **Med Clin (Barc)** 1985 May 18;84(19):800-1 **(Spa)**

THERAPY

Plasma exchange in the management of acute polyradiculopathy and myasthenic crisis (plasma exchange in neurological disorders). Devathasan G, et al. **Ann Acad Med Singapore** 1984 Jul;13(3):538-41

Immunosuppression with corticosteroids and thymectomy in myasthenia gravis: an evaluation of immediate and short term results in 20 patients. de Assis JL, et al. **Arq Neuropsiquiatr** 1985 Mar;43(1):17-21

Short and long-term clinical effects of plasma-exchange in 33 cases of myasthenia gravis. Fornasari PM, et al. **Int J Artif Organs** 1985 May;8(3):159-62

Plasma exchange in myasthenia gravis. Marconi G, et al. **Int J Artif Organs** 1984 Sep;7(5):297-300

Remission of myasthenic state following thymectomy [letter] Nanavati NJ, et al. **J Assoc Physicians India** 1984 Jun;32(6):539-40

The long term experience of thymectomy for myasthenia gravis. Scadding GK, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):401-6

Anti-acetylcholine receptor antibody titer with extended thymectomy in myasthenia gravis. Kagotani K, et al. **J Thorac Cardiovasc Surg** 1985 Jul;90(1):7-12

High-dose intravenous gammaglobulin for myasthenia gravis [letter] **Lancet** 1984 Oct 6;2(8406):809-10

The nonspecific clearance function of the reticuloendothelial system in patients with immune complex mediated diseases before and after therapeutic plasmapheresis. Löw A, et al. **Rheumatol Int** 1985;5(2):69-72

Thymectomy in the treatment of myasthenia gravis. Gutmann L, et al. **W Va Med J** 1985 Feb;81(2):29-31

Managing patients who have myasthenia gravis. Johns TR 2d. **West J Med** 1985 Jun;142(6):810-3

[Current therapy of myasthenia] Zumstein V, et al. **Rev Med Suisse Romande** 1985 Apr;105(4):331-8 **(Fre)**

[Our experience in the surgical therapy of myasthenia gravis] Quidaciolu F, et al. **Chir Ital** 1983 Apr;35(2):251-61 (Eng. Abstr.) **(Ita)**

[Thymic abnormalities and significance of thymectomy in cases of myasthenia gravis and other autoimmune diseases] Yoshimatsu H. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jan;23(1):31-7 (Eng. Abstr.) **(Jpn)**

[Study on the pathogenesis of myokymia, hyperhidrosis and increased urinary excretion of catecholamine after thymectomy in Myasthenia gravis] Kawamura T, et al. **Rinsho Shinkeigaku** 1984 Jul;24(7):723-8 (Eng. Abstr.) **(Jpn)**

MYC GENES see **ONCOGENES**

MYCETOMA see **MADUROMYCOSIS**

MYCETOZOA see **MYXOMYCETES**

MYCOBACILLIN see under **ANTIBIOTICS, ANTIFUNGAL**

MYCOBACTERIACEAE

ENZYMOLOGY

[The phosphoketolase system of carbohydrate cleavage in saprophytic mycobacteria] Golovlev EL, et al. **Dokl Akad Nauk SSSR** 1983;272(2):490-2 **(Rus)**

MYCOBACTERIOPHAGES

[Mycobacteriophages. III. (Review article)] Jiménez Misas CA. **Rev Cubana Med Trop** 1984 Jan-Apr;36(1):77-87 (49 ref.) (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

Abortive infection of Mycobacterium leprae by the mycobacteriophage D29. David HL, et al. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):515-23

METABOLISM

Further observations on the mycobacteriophage D29-mycobacterial interactions. David HL, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):359-67

MYCOBACTERIUM

Epidemiology of infection by nontuberculous mycobacteria. V. Numbers in eastern United States soils and correlation with soil characteristics. Brooks RW, et al. **Am Rev Respir Dis** 1984 Oct;130(4):630-3

Tuberculoid bacilli and tuberculoidosis [letter] Iseman MD, et al. **Chest** 1985 Aug;88(2):316-7

Mycobacterium avium infection in a silicone-injected breast. Perry RR, et al. **Plast Reconstr Surg** 1985 Jan;75(1):104-6

Skin-test sensitisation by tubercle bacilli and by other mycobacteria in Ethiopian school-children. Lema E, et al. **Tubercle** 1984 Dec;65(4):285-93

[A review on the bacteriology of Mycobacterium kansasii] Tsukamura M. **Kekkaku** 1984 Nov;59(11):563-7 (38 ref.) (Eng. Abstr.) **(Jpn)**

[Experimental spontaneous induction of L-forms of mycobacteria] Antipova SI, et al. **Probl Tuberk** 1984 Oct;(10):68-70 (Eng. Abstr.) **(Rus)**

ANALYSIS

Cytochemical characterization of mycobacterial outer surfaces. Picard B, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):227-35

Mycolic acid patterns of some species of Mycobacterium. Minnikin DE, et al. **Arch Microbiol** 1984 Oct;139(2-3):225-31

Periodic acid-Schiff reaction stains Mycobacterium tuberculosis, Mycobacterium leprae, Mycobacterium ulcerans, Mycobacterium chelonei (abscessus), and Mycobacterium kansasii [letter] Wear DJ, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):701-3

Purification and characterization of C28-55 fatty acids from Mycobacterium smegmatis. Sathyamoorthy N, et al. **Can J Microbiol** 1985 Mar;31(3):214-9

Pyruvylated glycolipids from Mycobacterium smegmatis. Nature and location of the lipid components. Kamisango K, et al. **J Biol Chem** 1985 Apr 10;260(7):4117-21

Rapid identification of mycobacteria using gas liquid chromatography. Mayall BC. **Pathology** 1985 Jan;17(1):24-8

On the presence of arabinose in mycobacterial and related species. Rojas-Espinosa O, et al. **Rev Latinoam Microbiol** 1984 Jul-Sep;26(3):261-5

[Comparative characteristics of protein complexes of mycobacteria isolated from patients] Fadeeva NI, et al. **Probl Tuberk** 1984 Oct;(10):64-7 (Eng. Abstr.) **(Rus)**

[Characteristics of the protein complexes of clinical strains of mycobacteria] Badukshanova NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 May;(5):46-9 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Phage typing of the Mycobacterium avium-intracellulare-scrofulaceum complex. A study of strains of diverse geographic and host origin. Crawford JT, et al. **Am Rev Respir Dis** 1985 Aug;132(2):386-9

Rapid radiometric methods to detect and differentiate Mycobacterium tuberculosis/M. bovis from other mycobacterial species. Siddiqi SH, et al. **Am Rev Respir Dis** 1984 Oct;130(4):634-40

Radiometric selective inhibition tests for differentiation of Mycobacterium tuberculosis, Mycobacterium bovis, and other mycobacteria. Gross WM, et al. **J Clin Microbiol** 1985 Apr;21(4):565-8

Diagnostic probability matrix for identification of slowly growing mycobacteria in clinical laboratories. Wayne LG, et al. **J Clin Microbiol** 1984 Oct;20(4):722-9

Mycobacterium africanum and the 'African' tubercle bacilli. Collins CH, et al. **Med Lab Sci** 1984 Oct;41(4):410-3

Taxonomic studies on the Mycobacterium tuberculosis series. Tsukamura M, et al. **Microbiol Immunol** 1985;29(4):285-99

Differentiation of Mycobacterium nonchromogenicum from Mycobacterium terrae and Mycobacterium triviale by tests for susceptibility to ofloxacin (DL 8280) and by the developing pattern of petroleum-ether soluble sulfolipids on TLC. Tsukamura M, et al. **Microbiol Immunol** 1985;29(4):365-70

Differentiation of mycobacterial species by investigation of petroleum ether-soluble sulfolipids using thin-layer chromatography after incubation with [35S]sulfate. Tsukamura M, et al. **Microbiol Immunol** 1984;28(9):965-74

Immunodiffusion and lipid analyses in the classification of 'Mycobacterium album' and the 'aurantiaca' taxon. Ridell M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Feb;259(1):1-10

Identification of actinomycetes isolated from cases of bovine farcy in the Sudan. Ridell M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Feb;259(1):43-50

[Numerical classification of Mycobacterium nonchromogenicum, Mycobacterium terrae and Mycobacterium triviale] Tsukamura M. **Kekkaku** 1985 Apr;60(4):265-75 (Eng. Abstr.) **(Jpn)**

[Phage typing of new mycobacterial species of animal origin] Jimenez Misas CA, et al. **Rev Cubana Med Trop** 1984 May-Aug;36(2):146-50 (Eng. Abstr.) **(Spa)**

[Mycobacteriophages. III. (Review article)] Jimenez Misas CA. **Rev Cubana Med Trop** 1984 Jan-Apr;36(1):77-87 (49 ref.) (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Drug susceptibility or drug sensitivity [letter] Gangadharam PR. **Am Rev Respir Dis** 1985 Jan;131(1):185

Determination of in vitro susceptibility of mycobacteria to ansamycin. Heifets LB, et al. **Am Rev Respir Dis** 1985 Sep;132(3):710-1

Mutational resistance as the mechanism of acquired drug resistance to aminoglycosides and antibacterial agents in Mycobacterium fortuitum and Mycobacterium chelonei. Evidence is based on plasmid analysis, mutational frequencies and aminoglycoside-modifying enzyme assays. Wallace RJ Jr, et al. **Am Rev Respir Dis** 1985 Aug;132(2):409-16

In vitro susceptibility of Mycobacterium fortuitum and Mycobacterium chelonei to cefmetazole. Casal MJ, et al. **Antimicrob Agents Chemother** 1985 Feb;27(2):282-3

In vitro antimicrobial susceptibility of a Mycobacterium sp. isolated from patients with Crohn's disease. Chiodini RJ, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):930-2

Antibacterial action of colistin (polymyxin E) against Mycobacterium aurum. David HL, et al. **Antimicrob Agents Chemother** 1985 May;27(5):701-7

Inhibition of mycobacteria by garlic extract (Allium sativum). Delaha EC, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):485-6

Susceptibility of intra- and extracellular Mycobacterium avium-intracellulare to cephem antibiotics. Nozawa RT, et al. **Antimicrob Agents Chemother** 1985 Jan;27(1):132-4

Intra- and extracellular susceptibility of Mycobacterium avium-intracellulare complex to aminoglycoside antibiotics. Nozawa RT, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):841-4

Rapidly growing mycobacteria: testing of susceptibility to 34 antimicrobial agents by broth microdilution. Swenson JM, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):186-92

Susceptibilities of Mycobacterium fortuitum biovariant fortuitum and the unnamed third biovariant complex to heavy-metal salts. Wallace RJ Jr, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):594-6

Disseminated disease due to Mycobacterium chelonei treated with amikacin and cefoxitin. Absence of killing with either agent and possible role of granulocytes in clinical response. Carpenter JL, et al. **Arch Intern Med** 1984 Oct;144(10):2063-5

Drug resistance in mycobacteria. Mitchison DA. **Br Med Bull** 1984 Jan;40(1):84-90 (54 ref.)

Cerulenin inhibition of lipid synthesis and its reversal by exogenous fatty acids in Mycobacterium smegmatis ATCC 607. Mahajan S, et al. **Can J Biochem Cell Biol** 1985 Feb;63(2):85-90

Multidrug resistance in M fortuitum [letter] Wallace RJ, et al. **Chest** 1985 Feb;87(2):275-6

Use of the BACTEC system for drug susceptibility testing of Mycobacterium tuberculosis, M. kansasii, and M. avium complex. Steadham JE, et al. **Diagn Microbiol Infect Dis** 1985 Jan;3(1):33-40

In vitro susceptibility of Mycobacterium fortuitum and Mycobacterium chelonei to sulfadiazine, sulfisoxazole and sulfathiazole [letter] Casal M, et al. **Eur J Clin Microbiol** 1984 Aug;3(4):320-1

In vitro activity of ciprofloxacin against mycobacteria [letter] Gaya H, et al. **Eur J Clin Microbiol** 1985 Jun;4(3):345-7

Susceptibility of Mycobacterium fallax to imipenem and twenty other antimicrobial agents [letter] Haas H, et al. **Eur J Clin Microbiol** 1984 Oct;3(5):489-91

In vitro susceptibility of Mycobacterium fortuitum complex to cephem antibiotics. Saito H, et al. **Hiroshima J Med Sci** 1985 Jun;34(2):257-60

In-vitro activity of some quinoline derivatives against Mycobacterium fortuitum [letter] Valero-Guillén PL, et al. **J Antimicrob Chemother** 1985 Feb;15(2):254-5

Radiometric method for testing susceptibility of mycobacteria to pyrazinamide in 7H12 broth. Heifets LB, et al. **J Clin Microbiol** 1985 Feb;21(2):200-4

Mechanism of mycobacteriocin and Tween 80 mediated antimycobacterial activity. Tomioka H, et al. **J Gen Microbiol** 1984 Dec;130 (Pt 12):3085-9

Bactericidal effect of fatty acids on mycobacteria, with particular reference to the suggested mechanism of intracellular killing. Kanetsuna F. **Microbiol Immunol** 1985;29(2):127-41

Disinfection of the flexible fibreoptic bronchoscope against Mycobacterium tuberculosis and M gordonae. Davis D, et al. **Thorax** 1984 Oct;39(10):785-8

Activity of the combination of fludalanine and cycloserine against mycobacteria in vitro. Dickinson JM, et al. **Tubercle** 1985 Jun;66(2):109-15

[Relation between the chemical structure of substances and their antimycobacterial activity against atypical strains. I. 2-Aklylthio-6-aminobenzothiazol] Sidóová E, et al. **Cesk Farm** 1985 Feb;34(1):7-9 (Eng. Abstr.) **(Cze)**

[Effect of DDS on inducible enzymes, ammonia consumption and synthesis of photoinducible pigment in mycobacteria] Tarnok I, et al. **Bull Int Union Tuberc** 1984 Sep;59(3):150-2 **(Fre)**

[Antimycobacterial activities of minocycline and ciprofloxacin] Arai T, et al. **Kekkaku** 1985 May;60(5):293-7 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

The possible occurrence of zinc in ribitol and sorbitol dehydrogenases from Mycobacterium sp. 279. Szumiło T, et al. **Acta Biochim Pol** 1984;31(4):401-8

An improved method of ammonia determination, applicable to amidases and other ammonia-producing enzyme systems of mycobacteria. Krallmann-Wenzel U. **Am Rev Respir Dis** 1985 Mar;131(3):432-4

Studies on 1-methyl adenine transfer RNA methyltransferase of Mycobacterium smegmatis. Brahmachari V, et al. **Arch Microbiol** 1984 Nov;140(1):91-5

Sequence specificity of isolated DNA-adenine methylases from Mycobacterium smegmatis (butyricum) and Shigella sonnei 47 cells. Nikolskaya II, et al. **Biochem Int** 1985 Mar;10(3):405-13

Isoelectric focusing of bacterial DNA methylases. Nikolskaya II, et al. **Biochem Int** 1983 Nov;7(5):605-15

Influence of nitrogen source and growth status on glutamine synthetase and glutamate synthase activity in Mycobacterium avium. McCarthy CM, et al. **Can J Microbiol** 1985 Mar;31(3):211-3

Alanine dehydrogenase in mycobacteria--a preliminary report. Kannan KB, et al. **Ind J Lepr** 1984 Jan-Mar;56(1):98-101

Isoenzymes of mycobacteria. II. Relevance of LDH zymograms in taxonomy and identification. Katoch VM, et al. **Ind J Lepr** 1985 Jan-Mar;57(1):107-14

Isoenzyme patterns of mycobacteria. I. Factors influencing LDH isoenzymes of mycobacteria. Sharma VD, et al. **Ind J Lepr** 1985 Jan-Mar;57(1):97-106

Purification of NADPH-dependent enoyl-CoA reductase involved in the malonyl-CoA dependent fatty acid elongation system of Mycobacterium smegmatis. Kikuchi S, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):841-8

Conformational changes in Mycobacterium smegmatis glutamine synthetase induced by certain divalent cations. Matsuoka K, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1033-42

Identification of mycobacteria by specific precipitation of catalase with absorbed sera. Wayne LG, et al. **J Clin Microbiol** 1985 May;21(5):721-5

[Research results on gamma-glutamyl-transferases and amino-peptidases in mycobacteria] Marranzano M, et al. **Boll Ist Sieroter Milan** 1982;61(6):516-9 (Eng. Abstr.) **(Ita)**

[Isolation and fractionation of DNA methylases from Mycobacterium butyricum] Sharkova EV, et al. **Vopr Med Khim** 1984 Sep-Oct;30(5):72-6 (Eng. Abstr.) **(Rus)**

GENETICS

Determination and re-examination of genome sizes and base ratios on deoxyribonucleic acid from mycobacteria. Baess I. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Aug; 92(4):209-11

Molecular analysis of DNA and construction of genomic libraries of Mycobacterium leprae. Clark-Curtiss JE, et al. **J Bacteriol** 1985 Mar;161(3):1093-102

DNA restriction endonuclease analysis of Mycobacterium bovis and other members of the tuberculosis complex. Collins DM, et al. **J Clin Microbiol** 1985 Apr;21(4):562-4

GROWTH & DEVELOPMENT

In vitro cultivation of Mycobacterium X from Mycobacterium leprae infected tissues in propane-tetradecane medium (a preliminary communication). Kato L. **Acta Microbiol Hung** 1984; 31(4):373-80

Growth of group IV mycobacteria on medium containing various saturated and unsaturated fatty acids. Saito H, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):164-9

Recovery and survival of nontuberculous mycobacteria under various growth and decontamination conditions. Brooks RW, et al. **Can J Microbiol** 1984 Sep;30(9):1112-7

Multiplication of Mycobacterium marinum within phagolysosomes of murine macrophages. Mor N. **Infect Immun** 1985 Jun;48(3):850-2

Characteristics of an unclassified Mycobacterium species isolated from patients with Crohn's disease. Chiodini RJ, et al. **J Clin Microbiol** 1984 Nov;20(5):966-71

Radiometric studies with gas-liquid and thin-layer chromatography for rapid demonstration of hemin dependence and characterization of Mycobacterium haemophilum. Damato JJ, et al. **J Clin Microbiol** 1984 Sep; 20(3):515-8

In-vitro inhibition of mycobacteria by viridans streptococci. Allen BW. **J Med Microbiol** 1985 Apr;19(2):227-35

[Superoxide anion (O2-) release from mouse peritoneal macrophages associated with ingestion of mycobacteria and effects of O2- on intracellular multiplication of mycobacteria] Lee K. **Kekkaku** 1985 Jan;60(1):23-30 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Exchange of material between the extracellular medium and macrophage phagosomes containing different species of bacteria including mycobacteria. de Chastellier C, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):249-57

Phagocytosis of Mycobacterium leprae and M. avium by armadillo lung fibroblasts and kidney epithelial cells. Rastogi N, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec; (95):267-76

Macrophage interaction with mycobacteria including M. leprae. Ryter A, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec; (95):211-26

Cross-reactions between Mycobacterium avium and Mycobacterium paratuberculosis strains in complement fixation and gel precipitation tests. Körmendy B, et al. **Acta Vet Hung** 1984;32(1-2):3-7

Release of superoxide anion from resident and activated mouse peritoneal macrophages infected with Mycobacterium intracellulare. Gangadharam PR, et al. **Am Rev Respir Dis** 1984 Nov;130(5):834-8

Specificity and distribution of alpha antigens of Mycobacterium avium-intracellulare, Mycobacterium scrofulaceum, and related species of mycobacteria. Tasaka H, et al. **Am Rev Respir Dis** 1985 Jul;132(1):173-4

Specificity and distribution of alpha antigens of Mycobacterium kansasii and Mycobacterium marinum. Tasaka H, et al. **Am Rev Respir Dis** 1984 Oct;130(4):647-9

Trehalose-containing lipooligosaccharides from mycobacteria: structures of the oligosaccharide segments and recognition of a unique N-acylkanosamine-containing epitope. Hunter SW, et al. **Biochemistry** 1985 May 21; 24(11):2798-805

Possible role of mycobacteria in inflammatory bowel disease. II. Mycobacterial antibodies in Crohn's disease. Thayer WR Jr, et al. **Dig Dis Sci** 1984 Dec;29(12):1080-5

Adoptive transfer of acquired resistance to Mycobacterium kansasii by T cells harvested from chronically-infected mice. Hepper KP, et al. **Immunology** 1984 Dec;53(4):819-25

An overview on the leprosy vaccine. Antia NH, et al. **Ind J Lepr** 1984 Apr-Jun;56(2):301-6

Antigeneic cross-reactivity between ICRC-bacilli and M. leprae--'in vitro' evaluation. Kale VP, et al. **Ind J Lepr** 1984 Apr-Jun;56(2):219-31

Bacterial products as immunomodulating agents. Giaidroni-Grassi G, et al. **Int Arch Allergy Appl Immunol** 1985;76 Suppl 1:119-27

Phase I study of intravenous mycobacterial cell wall skeleton and trehalose dimycolate attached to oil droplets. Vosika G, et al. **J Biol Response Mod** 1984 Dec;3(6):620-6

Enzyme-linked immunosorbent assay of glycolipid antigens for identification of mycobacteria. Yanagihara DL, et al. **J Clin Microbiol** 1985 Apr;21(4):569-74

Cross-reactivity of antigens from the cytoplasm and cell walls of some corynebacteria and mycobacteria. Abou-Zeid C, et al. **J Infect Dis** 1985 Jan;151(1):170-8

Humoral response to disseminated infection by Mycobacterium avium-Mycobacterium intracellulare in acquired immunodeficiency syndrome and hairy cell leukemia. Winter SM, et al. **J Infect Dis** 1985 Mar; 151(3):523-7

Polymorphism of a mycobacterial antigen participating in cell-mediated immunity. Hattikudur S, et al. **J Med Microbiol** 1985 Feb;19(1):69-75

A method for avoiding false-positive reactions in an enzyme-linked immunosorbent assay (ELISA) for the diagnosis of bovine paratuberculosis. Yokomizo Y, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):111-9

A glycolipid antigen specific to Mycobacterium paratuberculosis: structure and antigenicity. Camphausen RT, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3068-72

[Role of atypical mycobacteria in the occurrence of nonspecific tuberculin reactions in cattle] Dimov I, et al. **Vet Med Nauki** 1985;22(5):53-9 (Eng. Abstr.) **(Bul)**

[The organized control of paratuberculosis in cattle and the possibilities of using vaccination for this] de Vries G. **Tijdschr Diergeneeskd** 1985 Jan 15;110(2):70-2 **(Dut)**

[Experimental paratuberculosis: biological diagnosis in calves inoculated with strains of mycobactin-dependent mycobacteria] Thorel MF, et al. **Ann Rech Vet** 1985; 16(1):7-16 (Eng. Abstr.) **(Fre)**

[Non-tuberculous mycobacteria in Barcelona. I. Comparative sensitization between tuberculin RT-23 and sensitins from Mycobacterium avium and scrofulaceum] de March Ayuela P. **Rev Clin Esp** 1984 Nov 15-30;175(3-4):141-7 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Liberated intracellular pathogen--leprosy model. Skinsnes OK, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):195-210

Dairy herd problem with mastitis caused by a rapidly growing Mycobacterium species. Schultze WD, et al. **Am J Vet Res** 1985 Jan;46(1):42-7

Cultivable mycobacteria isolated from organs of armadillos uninoculated and inoculated with Mycobacterium leprae. Portaels F, et al. **Ann Inst Pasteur Microbiol** 1985 Mar-Apr; 136A(2):181-90

Isolation and geographic distribution of Mycobacterium other than M. tuberculosis in British Columbia, 1972-81. Isaac-Renton JL, et al. **Can Med Assoc J** 1985 Sep 15; 133(6):573-6

Possible role of mycobacteria in inflammatory bowel disease. I. An unclassified Mycobacterium species isolated from patients with Crohn's disease. Chiodini RJ, et al. **Dig Dis Sci** 1984 Dec;29(12):1073-9

Nontuberculous mycobacterial infections: comparison of the fluorescent auramine-O and Ziehl-Neelsen techniques in tissue diagnosis. Kommareddi S, et al. **Hum Pathol** 1984 Nov;15(11):1085-9

Mycobacterium X identified as Mycobacterium avium intracellulare (probably mixed with M. leprae in early subcultures) [letter] Kato L. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):538-41

Isolation of the new species Mycobacterium fallax in Israel. Haas H, et al. **Isr J Med Sci** 1984 Nov;20(11):1097-8

Search for acid-fast bacilli in bottled mineral waters. Caroli G, et al. **J Appl Bacteriol** 1985 May;58(5):461-3

Mycobacteria in water. Collins CH, et al. **J Appl Bacteriol** 1984 Oct;57(2):193-211 (152 ref.)

New biphasic culture system for isolation of mycobacteria from blood of patients with acquired immune deficiency syndrome. Berlin OG, et al. **J Clin Microbiol** 1984 Sep; 20(3):572-4

Mycobacterium avium complex, an emerging pathogen in Massachusetts. du Moulin GC, et al. **J Clin Microbiol** 1985 Jul;22(1):9-12

Infections caused by Mycobacterium avium complex in immunocompromised patients: diagnosis by blood culture and fecal examination, antimicrobial susceptibility tests, and morphological and seroagglutination characteristics. Kiehn TE, et al. **J Clin Microbiol** 1985 Feb;21(2):168-73

Detection of Cryptosporidium oocysts in sputum during screening for mycobacteria. Miller RA, et al. **J Clin Microbiol** 1984 Dec;20(6):1192-3

Isolation of Mycobacterium paratuberculosis from intestinal mucosa and mesenteric lymph nodes of goats by use of selective Dubos medium. Saxegaard F. **J Clin Microbiol** 1985 Aug;22(2):312-3

Pulmonary disease due to Mycobacterium malmoense. Warren NG, et al. **J Clin Microbiol** 1984 Aug;20(2):245-7

Mycobacterium xenopi and Mycobacterium kansasii in a hospital water supply. Wright EP, et al. **J Hosp Infect** 1985 Jun;6(2):175-8

Mycobacterium avium-Mycobacterium intracellulare from the intestinal tracts of patients with the acquired immunodeficiency syndrome: concepts regarding acquisition and pathogenesis. Damsker B, et al. **J Infect Dis** 1985 Jan;151(1):179-81

Occurrence and experimental infection of toads (Bufo marinus and B. granulosus) with Mycobacterium chelonei subsp. abscessus. Mok WY, et al. **J Med Microbiol** 1984 Dec;18(3):327-33

Cutaneous and respiratory tract infection with Mycobacterium ulcerans in two koalas (Phascolarctos cinereus). McOrist S, et al. **J Wildl Dis** 1985 Apr; 21(2):171-3

Excessive mycobacterial cultures [letter] Geiseler PJ, et al. **JAMA** 1984 Dec 7;252(21):2957

Mycobacterium xenopi, pathogen of the future? [letter] Rahman AF, et al. **Lancet** 1984 Dec 22;2(8417-18):1467

Environmental mycobacteria in Korea. I. Distribution of the organisms. Jin BW, et al. **Microbiol Immunol** 1984; 28(6):667-77

Mycobacterium thermoresistibile from dust of Japanese houses. Tsukamura M, et al. **Microbiol Immunol** 1985; 29(5):467-73

Isolation, identification and drug susceptibility of mycobacteria evaluated through radiometric procedures: correlation by conventional methods. Vicini P, et al. **Quad Sclavo Diagn** 1984 Jun;20(2):226-35

Isolation of Mycobacterium avium complex from an opossum Didelphis marsupialis in Brazil [letter] Mok WY. **Trans R Soc Trop Med Hyg** 1984;78(4):563-4

Species level identification of non-tuberculous mycobacteria from South Indian BCG trial area during 1981. Paramasivan CN, et al. **Tubercle** 1985 Mar;66(1):9-15

Mycobacteria in semi-public swimming-pools and whirlpools. Havelaar AH, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 May; 180(5-6):505-14

[Diagnosis of paratuberculosis in the preclinical stage] Wentink GH, et al. **Tijdschr Diergeneeskd** 1984 Oct 1; 109(19):739-50 (Eng. Abstr.) **(Dut)**

[Occurrence of Mycobacterium shimoidei in West Germany] Rüsch-Gerdes S, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Feb; 259(1):146-50 (Eng. Abstr.) **(Ger)**

[Atypical mycobacterial skin granuloma in a cat in Switzerland] Suter MM, et al. **Zentralbl Veterinarmed [A]** 1984 Oct;31(9):712-8 (Eng. Abstr.) **(Ger)**

[Mycobacteria from dusts of Japanese houses] Tsukamura M, et al. **Kekkaku** 1984 Dec;59(12):625-31 (Eng. Abstr.) **(Jpn)**

[Studies on lung diseases due to non-tuberculous mycobacteria in Japan. (Report of the year 1982 of the Mycobacteriosis Research Group of the Japanese National Chest Hospitals). Isolation of various species that caused lung diseases] Tsukamura M, et al. **Kekkaku** 1984 May; 59(5):329-36 (Eng. Abstr.) **(Jpn)**

[Results of inspection of bacteriological laboratories with regard to identification of Mycobacteria] Otten TF, et al. **Probl Tuberk** 1985;(1):60-4 (Eng. Abstr.) **(Rus)**

METABOLISM

Granuloma forming activity of mycolic acid-containing glycolipids in nocardia and related taxa. Yano I, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):341-9

Observations on the ubiquity of the Mycobacterium tuberculosis sulfatides in mycobacteria. Dhariwal KR, et al. **Am Rev Respir Dis** 1984 Oct;130(4):641-6

Influence of carbon and nitrogen sources on arginine biosynthesis in Mycobacterium smegmatis ATCC 14468. Ahmad S, et al. **Ann Microbiol (Paris)** 1984 Sep-Oct; 135B(2):137-46

Turnover of phospholipids and glycerides of spheroplasts of Mycobacterium smegmatis ATCC 14468. Murty MV, et al. **Ann Microbiol (Paris)** 1984 Sep-Oct;135B(2):147-54

Review of the occurrence of mycobactin dependence among mycobacteria species. Thorel MF. **Ann Rech Vet** 1984; 15(3):405-9 (26 ref.)

Accumulation of D-tagatose by D-galactose-grown mycobacteria. Szumilo T, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:11-8

Specific inhibition of spermidine synthesis in Mycobacteria spp. by the dextro isomer of ethambutol. Paulin LG, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):157-9

Cerulenin effect on phospholipid metabolism in Mycobacterium smegmatis ATCC 607. Mahajan S, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):493-8

Niacin, nitrate and pyrazinamide studies using Middlebrook 7H10 Broth. Damato JJ, et al. **Eur J Clin Microbiol** 1984 Dec;3(6):546-9

Comparison of biochemical characterisation of ICRC bacilli with M. leprae: effect of substrate alteration in the medium. Kale VP, et al. **Ind J Lepr** 1984 Apr-Jun;56(2):212-8

Wall biosynthesis: a possible site of action for new antimycobacterial drugs. Draper P. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):527-32

Fate of the C1 product of propane dissimilation in Mycobacterium vaccae. Coleman JP, et al. **J Bacteriol** 1984 Dec;160(3):1163-4

[Exopolysaccharide of Mycobacterium flavum] Kosenko LV, et al. **Mikrobiologiia** 1984 Jul-Aug;53(4):547-50 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

The rapidly growing mycobacteria--Mycobacterium fortuitum and Mycobacterium chelonei. Brown TH. **Infect Control** 1985 Jul;6(7):283-8 (88 ref.)

Genetic control of resistance to Mycobacterium intracellulare infection in mice. Goto Y, et al. **Infect Immun** 1984 Oct; 46(1):135-40

Mycobacterium xenopi and BCG, pathogens of the future? [letter] **Lancet** 1985 Jan 19;1(8421):174-5

Mycobacterium avium-intracellulare and lung disease: more of a problem for those of us in the Southeast. Adair N. **NC Med J** 1985 Jul;46(7):405-6

[Experimental paratuberculosis: pathogenicity of mycobactin-dependent mycobacteria strains to calves] Thorel MF, et al. **Ann Rech Vet** 1984;15(3):365-74 (Eng. Abstr.) **(Fre)**

[Infections due to Mycobacterium scrofulaceum—a review] Tsukamura M. **Kekkaku** 1984 Oct;59(10):511-7 (70 ref.) (Eng. Abstr.) **(Jpn)**

[Biological and allergenic properties of various strains of Mycobacterium avium and atypical Mycobacterium isolated from swine] Holub M. **Pol Arch Weter** 1984; 24(1):33-49 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Further observations on the mycobacteriophage D29-mycobacterial interactions. David HL, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):359-67

Mycobacterium marinum infections in man. Collins CH, et al. **J Hyg (Lond)** 1985 Apr;94(2):135-49 (111 ref.)

Phospholipids and glycerides composition during spheroplasts formation of Mycobacterium smegmatis ATCC 14468. Murty MV, et al. **Z Naturforsch [C]** 1984 Sep-Oct;39(9-10):962-4

ULTRASTRUCTURE

Freeze-etching and freeze-fracture structural features of cell envelopes in mycobacteria and leprosy derived corynebacteria. Benedetti EL, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):237-48

Morphological changes induced by beta-lactam antibiotics in Mycobacterium avium-intracellulare complex. Mizuguchi Y, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):541-7

Mycobacterial morphological study by electron microscope and thin section. Mei GH, et al. **Chin Med J [Engl]** 1984 Aug;97(8):589-92

MYCOBACTERIUM, ATYPICAL see under **MYCOBACTERIUM**

MYCOBACTERIUM AVIUM see under **MYCOBACTERIUM**

MYCOBACTERIUM BOVIS

Eradication of microscopic metastases with intratumoral injection of bacillus Calmette-Guerin. Sakita M, et al. **Jpn J Surg** 1984 Sep;14(5):413-9

[BCG immunotherapy as an adjuvant to surgery in lung cancer. An analysis of lymphocyte subsets of the peripheral blood using monoclonal antibodies] Miyazawa N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jan;23(1):56-61 (Eng. Abstr.) **(Jpn)**

[Experimental spontaneous induction of L-forms of mycobacteria] Antipova SI, et al. **Probl Tuberk** 1984 Oct; (10):68-70 (Eng. Abstr.) **(Rus)**

ANALYSIS

Purification and characterization of a tuberculin-active substance from Mycobacterium bovis BCG. Yano O, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):523-31

Mycolic acid patterns of representatives of Mycobacterium bovis BCG. Minnikin DE, et al. **J Gen Microbiol** 1984 Oct; 130 (Pt 10):2733-6

CLASSIFICATION

Rapid radiometric methods to detect and differentiate Mycobacterium tuberculosis/M. bovis from other mycobacterial species. Siddiqi SH, et al. **Am Rev Respir Dis** 1984 Oct;130(4):634-40

Radiometric selective inhibition tests for differentiation of Mycobacterium tuberculosis, Mycobacterium bovis, and other mycobacteria. Gross WM, et al. **J Clin Microbiol** 1985 Apr;21(4):565-8

Taxonomic studies on the Mycobacterium tuberculosis series. Tsukamura M, et al. **Microbiol Immunol** 1985;29(4):285-99

Intermediate between Mycobacterium tuberculosis and Mycobacterium bovis. Tsukamura M. **Microbiol Immunol** 1984;28(8):961-3

DRUG EFFECTS

[Pyrazinamidase activity and sensitivity to pyrazinamide in tuberculosis bacteria] Jakschik M. **Prax Klin Pneumol** 1985 Apr;39(4):136-8 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Fatty acid biosynthesis in Mycobacterium tuberculosis var. bovis Bacillus Calmette-Guerin. Purification and characterization of a novel fatty acid synthase, mycocerosic acid synthase, which elongates n-fatty acyl-CoA with methylmalonyl-CoA. Rainwater DL, et al. **J Biol Chem** 1985 Jan 10;260(1):616-23

Rapid methods for counting mycobacteria—comparison of methods for extraction of mycobacterial adenosine triphosphate (ATP) determined by firefly luciferase assay. Prioli RP, et al. **Tubercle** 1985 Jun;66(2):99-108

GENETICS

Strain variation of bacillus Calmette-Guerin-induced pulmonary granuloma formation is correlated with anergy and the local production of migration inhibition factor and interleukin 1. Kobayashi K, et al. **Am J Pathol** 1985 May; 119(2):223-35

DNA restriction endonuclease analysis of Mycobacterium bovis and other members of the tuberculosis complex. Collins DM, et al. **J Clin Microbiol** 1985 Apr;21(4):562-4

GROWTH & DEVELOPMENT

Survival of Mycobacterium bovis in defined environmental conditions. Duffield BJ, et al. **Vet Microbiol** 1985 Jan; 10(2):193-7

[Influence of culture conditions (oxygenation) on growth and morphology of BCG-Brazil and BCG-Glaxo vaccines] Feitosa JG, et al. **An Microbiol (Rio De J)** 1982;27:69-79 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Occurrence of antigen BCG 60 in leprosy derived corynebacteria and other coryneforms. Papa FP, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):351-8

Immunomodulation of nodal lymphocytes in head and neck cancer. Schuller DE, et al. **Arch Otolaryngol** 1985 Jul; 111(7):465-8

The in situ activation of cytotoxic properties in murine Kupffer cells by the systemic administration of whole Mycobacterium bovis organisms or muramyl tripeptide. Xu Z, et al. **Cancer Immunol Immunother** 1984;18(2):118-22

The effect of hydrocortisone and cyclosporin A on bacillus Calmette-Guerin epitheloid cell granulomas. Gupta SK, et al. **Cell Immunol** 1985 Jun;93(1):189-98

Acquired immunity to heavy infection with Mycobacterium bovis bacillus Calmette-Guerin and its relationship to the development of nonspecific unresponsiveness in vitro. Orme IM, et al. **Cell Immunol** 1984 Oct 15;88(2):285-96

Production and characterization of monoclonal antibodies to Mycobacterium tuberculosis, M. bovis (BCG) and M. leprae. Kolk AH, et al. **Clin Exp Immunol** 1984 Dec; 58(3):511-21

Use of B.C.G. as loco-regional aspecific immunostimulator in cervical carcinoma. Cappello F, et al. **Clin Exp Obstet Gynecol** 1984;11(4):156-7

Evolution of cell types and T-cell subsets in the spleens of Mycobacterium bovis BCG-resistant and M. bovis BCG-susceptible strains of mice after infection with M. bovis BCG. Denis M, et al. **Infect Immun** 1985 Jul; 49(1):253-5

Enhanced superoxide release and tumoricidal activity by a postlavage, in situ pulmonary macrophage population in response to activation by Mycobacterium bovis BCG exposure. Drath DB. **Infect Immun** 1985 Jul;49(1):72-5

Immunological evaluation of a component isolated from Mycobacterium bovis BCG with a monoclonal antibody to M. bovis BCG. Minden P, et al. **Infect Immun** 1984 Nov;46(2):519-25

Differential expression of macrophage effector functions: bactericidal versus tumoricidal activities. Campbell PA, et al. **J Leukocyte Biol** 1984 Sep;36(3):293-306

Immunoassays of field isolates of Mycobacterium bovis and other mycobacteria by use of monoclonal antibodies. Morris JA, et al. **J Med Microbiol** 1985 Jun;19(3):367-73

Properties of TAS-1D3, a tuberculin-active substance from BCG, in regard to delayed hypersensitivity. Yano O, et al. **Microbiol Immunol** 1984;28(10):1149-57

Lymphocyte blastogenesis in bluetongue virus or Mycobacterium bovis-inoculated bovine fetuses. MacLachlan NJ, et al. **Vet Immunol Immunopathol** 1984 Aug;7(1):11-8

[Action of hydrocortisone on the cytotoxic reactions in delayed hypersensitivity to microbial antigens] Bazanova EA, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):723-5 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Modifications induced in golden hamster by intracerebral inoculation of Mycobacterium bovis-BCG. Stavri D, et al. **Arch Roum Pathol Exp Microbiol** 1984 Jan-Mar; 43(1):71-5

Mycobacterium xenopi and BCG, pathogens of the future? [letter] **Lancet** 1985 Jan 19;1(8421):174-5

[Increase in the production of oncovirus type C by an L929 cell culture as a result of BCG infection] Klitsunova NV, et al. **Vopr Virusol** 1984 Sep-Oct;29(5):586-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Possible mechanisms of cellular degeneration in macrophages infected with BCG in vitro and in leprous granulomas] Sanabria Negrin JG. **Rev Cubana Med Trop** 1984 Jan-Apr;36(1):93-102 (Eng. Abstr.) **(Spa)**

MYCOBACTERIUM INFECTIONS

Mycobacterial, fungal, actinomycotic, and nocardial infections of the pleura. George RB, et al. **Clin Chest Med** 1985 Mar;6(1):63-75

The clinicopathological spectrum of non-tuberculous mycobacterial osteoarticular infections. Marchevsky AM, et al. **J Bone Joint Surg [Am]** 1985 Jul;67(6):925-9

Mycobacterium marinum infections in man. Collins CH, et al. **J Hyg (Lond)** 1985 Apr;94(2):135-49 (111 ref.)

Pulmonary disease in a child caused by atypical mycobacteria. Proust AJ, et al. **Med J Aust** 1984 Aug 18; 141(4):242-3

The diagnosis and treatment of scrofula (mycobacterial cervical lymphadenitis). Domb GH, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):339-41

Mycobacterium chelonei abscess [letter] Stutman HR. **Pediatr Infect Dis** 1985 Jan-Feb;4(1):108

Mycobacterium kansasii pericarditis. Palmer JA, et al. **Thorax** 1984 Nov;39(11):876-7

Disseminated Mycobacterium gordonae infection associated with glomerulonephritis. Turner DM, et al. **West J Med** 1985 Mar;142(3):391-3

[Cervical adenitis caused by Mycobacterium scrofulaceum (letter)] Ausina V, et al. **Med Clin (Barc)** 1984 Nov 24; 83(17):733 **(Spa)**

COMPLICATIONS

Continuous high-grade mycobacterium avium-intracellulare bacteremia in patients with the acquired immune deficiency syndrome. Wong B, et al. **Am J Med** 1985 Jan;78(1):35-40

Disseminated visceral infection with Mycobacterium fortuitum in a hemodialysis patient. Montoliu J, et al. **Am J Nephrol** 1985;5(3):205-11

Infections due to Pneumocystis carinii and Mycobacterium avium-intracellulare in patients with acquired immune deficiency syndrome. Shelhamer JH, et al. **Ann NY Acad Sci** 1984;437:394-9

Nontuberculous mycobacteria in pleural fluid. Assessment of clinical significance. Gribetz AR, et al. **Chest** 1985 Apr; 87(4):495-8

Mycobacterium haemophilum and mycobacterium xenopi associated infection in a renal transplant patient. Branger B, et al. **Clin Nephrol** 1985 Jan;23(1):46-9

Mycobacterial infections preceding hairy-cell leukemia diagnosis. Description of two cases. Ambrosetti A, et al. **Haematologica (Pavia)** 1985 Jan-Feb;70(1):49-52

Whipple-like disease in AIDS [letter] Kooijman CD, et al. **Histopathology** 1984 Jul;8(4):705-8

Two cases of AIDS with florid Mycobacterium avium-intracellulare infection in the T-cell areas of the spleen [letter] Seshi B. **Hum Pathol** 1985 Sep;16(9):964-5

Humoral response to disseminated infection by Mycobacterium avium-Mycobacterium intracellulare in acquired immunodeficiency syndrome and hairy cell leukemia. Winter SM, et al. **J Infect Dis** 1985 Mar; 151(3):523-7

Pulmonary infection with Mycobacterium gordonae in the presence of bronchial carcinoma. Clague H, et al. **Tubercle** 1985 Mar;66(1):61-3

Another cause of diarrhea in AIDS [letter] Edelstein H, et al. **West J Med** 1985 Feb;142(2):262

Atypical mycobacterial and cytomegalovirus infection of the duodenum in a patient with acquired immunodeficiency syndrome: endoscopic and histopathologic appearance. Caya JG, et al. **Wis Med J** 1984 Nov;83(11):33-6

DIAGNOSIS

Clues to the early diagnosis of Mycobacterium avium-intracellulare infection in patients with acquired immunodeficiency syndrome. Polis MA, et al. **Arch Pathol Lab Med** 1985 May;109(5):465-6

False-positive results of Mantoux tests. Mellor J. **Can Med Assoc J** 1985 Jun 15;132(12):1403

Sporotrichoid Mycobacterium marinum infection. Report of a ten-year case. Raz I, et al. **Int J Dermatol** 1984 Oct; 23(8):554-5

Pseudotumoral mycobacterial infection in the head and neck: a clinical study. Lesser TH, et al. **J Laryngol Otol** 198 Mar;99(3):277-83

Disseminated Mycobacterium xenopi infection [letter] Price AB, et al. **Lancet** 1985 Aug 17;2(8451):383

Disseminated Mycobacterium xenopi infection. Weinberg JR, et al. **Lancet** 1985 May 4;1(8436):1033-4

Superficial fungal and mycobacterial infections of the skin. Ginsburg CM. **Pediatr Infect Dis** 1985 May-Jun;4(3 Suppl):S19-23

Mycobacterium avium-intracellulare infection [letter] Holdiness MR. **South Med J** 1984 Dec;77(12):1614

Granulomatous disease complicating hairy cell leukemia. Re JH, et al. **Tex Med** 1985 Jul;81(7):31-3

Mycobacterium szulgai—a case of cutaneous infection. Cookson BD, et al. **Tubercle** 1985 Mar;66(1):65-7

[Diseases caused by atypical mycobacterial] Krüger M, et al. **Derm Beruf Umwelt** 1984;32(6):195-205 (Eng. Abstr.) **(Ger)**

[Non-tuberculous mycobacteria in Barcelona (II). Pulmonary mycobacteriosis] de March Ayuela P, et al. **Rev Clin Esp** 1984 Dec 15-31;175(5-6):187-94 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pellagra-like encephalopathy complicating a multiple drug regimen for the treatment of pulmonary infection due to Mycobacterium avium-intracellulare [letter] Brooks-Hi RW, et al. **Am Rev Respir Dis** 1985 Mar;131(3):476

Activities of cefoxitin and cefotetan against Mycobacterium fortuitum infections in mice. Saito H, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):270-1

Disseminated disease due to Mycobacterium chelonei treated with amikacin and cefoxitin. Absence of killing with either agent and possible role of granulocytes in clinical response. Carpenter JL, et al. **Arch Intern Med** 1984 Oct; 144(10):2063-5

Treatment of septic arthritis due to Mycobacterium kansasii [letter] Singh G. **Br Med J [Clin Res]** 1985 Mar 16; 290(6471):857

Erythromycin for BCG infections [letter] Singh G. **Clin Pediatr (Phila)** 1985 Aug;24(8):470

Treatment of nonpulmonary infections due to Mycobacterium fortuitum and Mycobacterium chelonei on the basis of in vitro susceptibilities. Wallace RJ Jr, et al. **J Infect Dis** 1985 Sep;152(3):500-14

[The pharmacokinetics of rifampicin in the intermittent treatment of patients with pulmonary tuberculosis. 2. The effect of rifampicin on the course of therapy for mycobacteriosis and non-tubercular infectious diseases] Eule H, et al. **Pharmazie** 1985 Apr;40(4):276-7 **(Ger)**

[Therapy of tuberculosis and other mycobacterial infections] Werner E. **Z Gesamte Inn Med** 1985 Jul 1;40(13):403-7 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Systemic changes in hydrolytic enzyme activities in mice affected with murine leprosy. Aoyagi T, et al. **Biochem Int** 1985 Jan;10(1):105-13

ETIOLOGY

Iatrogenic infections caused by the Mycobacterium fortuitum-chelonei complex. Report of two cases and review. Moerman J, et al. **Acta Clin Belg** 1985;40(2):92-8

Late Mycobacterium chelonei bioprosthetic valve endocarditis: activation of implanted contaminant? Rumisek JD, et al. **Ann Thorac Surg** 1985 Mar;39(3):277-9

The role of cell-wall associated lipids in the pathogenesis of lesions in experimental murine nocardiosis vs lesions produced by Mycobacterium fortuitum. Miller-Hardy DK, et al. **Comp Immunol Microbiol Infect Dis** 1984;7(2):109-24

Is Crohn's disease a mycobacterial disease after all? Gitnick G. **Dig Dis Sci** 1984 Dec;29(12):1086-8

Mycobacterium fortuitum infections of the mediastinum. Sethi GK, et al. **J Cardiovasc Surg (Torino)** 1985 May-Jun; 26(3):307-9

Mycobacterium xenopi, pathogen of the future? [letter] Rahman AF, et al. **Lancet** 1984 Dec 22;2(8417-18):1467

Mycobacterium fortuitum endocarditis after mitral valve replacement with a bovine prosthesis. Alvarez-Elcoro S, et al. **South Med J** 1985 Jul;78(7):865-6

[Tenosynovitis of the hand due to Mycobacterium marinum. Apropos of a case] Alnot JY, et al. **Ann Chir Main** 1985; 4(2):166-8 (Eng. Abstr.) **(Fre)**

[Swimming pool granuloma--a mycobacteriosis] Boisten P, et al. **Z Hautkr** 1985 Jan;60(1-2):105-8 (Eng. Abstr.) **(Ger)**

[BCG dissemination in chronic granulomatous disease] Hodsági M, et al. **Orv Hetil** 1984 Oct 28;125(44):2685-8 (Eng. Abstr.) **(Hun)**

FAMILIAL & GENETIC

Genetic control of resistance to Mycobacterium intracellulare infection in mice. Goto Y, et al. **Infect Immun** 1984 Oct; 46(1):135-40

HISTORY

Mycobacterium ulcerans: an infection from Jurassic time? Hayman J. **Lancet** 1984 Nov 3;2(8410):1015-6

IMMUNOLOGY

Antimycobacteria antibodies in M. lepraemurium murine infection. Bach MA, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):403-11

Macrophage activation in mice infected with Mycobacterium lepraemurium. Brett SJ. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):379-86

Influence of dose and route of inoculation and of mouse strain on the production of interleukin 2 in mice infected with Mycobacterium lepraemurium. Hoffenbach A, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):413-20

Natural resistance to mycobacteria: antimicrobial activity and reactive oxygen intermediate releasing functions of murine macrophages. Stach JL, et al. **Ann Immunol (Paris)** 1984 Jul-Aug;135D(1):25-37

Importance of the footpad lesion in the mouse response to local inoculation of Mycobacterium marinum. Mor N, et al. **Ann Inst Pasteur Microbiol** 1985 Mar-Apr; 136A(2):191-201

T-cell responsiveness in Mycobacterium lepraemurium infections in a 'resistant' (CBA) and a 'susceptible' (BALB/c) mouse strain. Brett SJ. **Cell Immunol** 1984 Nov; 89(1):132-43

Strain variation of lymphokine production and specific antibody secretion in mice infected with Mycobacterium lepraemurium. Hoffenbach A, et al. **Cell Immunol** 1985 Mar;91(1):1-11

Immune responsiveness in mice heavily infected with Mycobacterium kansasii. Hepper KP, et al. **Immunology** 1984 Oct;53(2):357-64

Adoptive transfer of acquired resistance to Mycobacterium kansasii by T cells harvested from chronically-infected mice. Hepper KP, et al. **Immunology** 1984 Dec;53(4):819-25

H-2-linked genes which modify resistance of C57BL/10 mice to subcutaneous infection with Mycobacterium lepraemurium. Curtis J, et al. **Infect Immun** 1984 Dec; 46(3):635-8

Evolution of cell types and T-cell subsets in the spleens of Mycobacterium bovis BCG-resistant and M. bovis BCG-susceptible strains of mice after infection with M. bovis BCG. Denis M, et al. **Infect Immun** 1985 Jul; 49(1):253-5

Mycobacterium lepraemurium infection of nude athymic (nu/nu) mice. Lefford MJ. **Infect Immun** 1985 Jul; 49(1):190-6

Resistance to mycobacteria in mice treated with fractionated total lymphoid irradiation (TLI) and in mice reconstituted with allogenic bone marrow cells following radiotherapy. Mor N, et al. **Int J Radiat Oncol Biol Phys** 1985 Jan; 11(1):79-85

Response of the popliteal lymph node to reinfection of the hind foot pad of the mouse with Mycobacterium marinum. Mor N, et al. **J Clin Lab Immunol** 1984 Jul;14(3):155-60

Genetic resistance of mice to persistent infection with Mycobacterium lepraemurium in vitro: association with macrophage bactericidal responsiveness to lymphokines and dissociation from production of hydrogen peroxide by macrophages. Sankaran K, et al. **J Immunopharmacol** 1984; 6(4):277-89

Decreased resistance to mycobacterial infection in mice fed a trichothecene compound (T-2 toxin). Kanai K, et al. **Jpn J Med Sci Biol** 1984 Apr;37(2):97-104

Immunosuppressive activities of peritoneal and splenic macrophages in murine leprosy: effect on lymphocyte transformation and tumor growth. Ha DK, et al. **Microbiol Immunol** 1984;28(7):793-806

METABOLISM

Macrophage activity in Mycobacterium leprae infection. Sharp AK, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec; (95):259-66

Plasminogen activator and plasminogen activator inhibitor associated with granulomatous inflammation: a study with murine leprosy. Izaki S, et al. **Thromb Haemost** 1984 Dec 29;52(3):243-9

MICROBIOLOGY

Nontuberculous mycobacterial infections: comparison of the fluorescent auramine-O and Ziehl-Neelsen techniques in tissue diagnosis. Kommareddi S, et al. **Hum Pathol** 1984 Nov;15(11):1085-9

Disseminated non-tuberculous mycobacteriosis due to atypical type II-Mycobacteria gordonoe. Merchant R, et al. **Indian J Pediatr** 1984 May-Jun;51(410):295-7

The rapidly growing mycobacteria--Mycobacterium fortuitum and Mycobacterium chelonei. Brown TH. **Infect Control** 1985 Jul;6(7):283-8 (88 ref.)

[An experimental model of the pathogenicity of atypical mycobacteria for animals] Zhao T. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Dec;7(6):336-8, 382 (Eng. Abstr.) **(Chi)**

[Experimental spontaneous induction of L-forms of mycobacteria] Antipova SI, et al. **Probl Tuberk** 1984 Oct; (10):68-70 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of protein complexes of mycobacteria isolated from patients] Fadeeva NI, et al. **Probl Tuberk** 1984 Oct;(10):64-7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Epidemiology of infection by nontuberculous mycobacteria. V. Numbers in eastern United States soils and correlation with soil characteristics. Brooks RW, et al. **Am Rev Respir Dis** 1984 Oct;130(4):630-3

Tuberculosis, atypical mycobacteriosis, and the acquired immunodeficiency syndrome among Haitian and non-Haitian patients in south Florida. Pitchenik AE, et al. **Ann Intern Med** 1984 Nov;101(5):641-5

Isolation and geographic distribution of Mycobacterium other than M. tuberculosis in British Columbia, 1972-81. Isaac-Renton JL, et al. **Can Med Assoc J** 1985 Sep 15; 133(6):573-6

Nosocomial mycobacterial pseudoinfection in a Georgia hospital. Goodman RA, et al. **Infect Control** 1984 Dec; 5(12):573-6

Mycobacterium avium complex, an emerging pathogen in Massachusetts. du Moulin GC, et al. **J Clin Microbiol** 1985 Jul;22(1):9-12

[Sensitivity to avian sensitin in tuberculin reactors in Belgium. A study by the Dutch-speaking Coordination Commission for Tuberculosis Control] Dobbelaer R. **Arch Belg** 1984; 42(5-6):311-24 (Eng. Abstr.) **(Dut)**

[The significance of atypical mycobacteria in phthisiology] Kozma D, et al. **Orv Hetil** 1985 Jun 23;126(25):1517-23 (Eng. Abstr.) **(Hun)**

[Mycobacteriosis of the lungs] Rudoi NM, et al. **Klin Med (Mosk)** 1984 Dec;62(12):83-9 (Eng. Abstr.) **(Rus)**

[Mycobacteriosis: presentation of 38 cases] Martin Casabona N, et al. **Med Clin (Barc)** 1985 Apr 30;84(16):651-4 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Fine needle aspiration cytology of granulomatous diseases of the lung, including nontuberculous Mycobacterium infection. Silverman JF, et al. **Acta Cytol (Baltimore)** 1985 Jul-Aug;29(4):535-41

The histopathology of Mycobacterium marinum synovitis. Beckman EN, et al. **Am J Clin Pathol** 1985 Apr; 83(4):457-62

The bone marrow in disseminated Mycobacterium avium-intracellulare infection. Farhi DC, et al. **Am J Clin Pathol** 1985 Apr;83(4):463-8

Pseudotumor resulting from atypical mycobacterial infection: a 'histoid' variety of Mycobacterium avium-intracellulare complex infection. Wood C, et al. **Am J Clin Pathol** 1985 Apr;83(4):524-7

Cutaneous Mycobacterium szulgai infection. Cross GM, et al. **Arch Dermatol** 1985 Feb;121(2):247-9

Mycobacterium marinum infection in a 4-year-old child. Fragoso MA, et al. **Clin Pediatr (Phila)** 1985 May; 24(5):288-9

Mastomys natalensis: a new animal model for Mycobacterium ulcerans research. Singh NB, et al. **Indian J Exp Biol** 1984 Jul;22(7):393-4

Light and electron microscopic observations on granulomatous lesions in pigs dosed with Mycobacterium intracellulare. Nakamura K, et al. **J Comp Pathol** 1984 Oct; 94(4):509-19

Mycobacterial skin infections. Saxe N. **J Cutan Pathol** 1985 Jun-Aug;12(3-4):300-12

Disseminated infection with Mycobacterium avium-intracellulare. A report of 13 cases and a review of the literature. Horsburgh CR Jr, et al. **Medicine (Baltimore)** 1985 Jan;64(1):36-48 (97 ref.)

[Mycobacterium chelonei cutaneous infections. General review apropos of a case] Bendelac A, et al. **Ann Dermatol Venereol** 1985;112(4):319-24 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Protective effect of muramyl dipeptide analogs in combination with trehalose dimycolate against aerogenic influenza virus and Mycobacterium tuberculosis infections in mice. Masihi KN, et al. **J Biol Response Mod** 1984 Dec; 3(6):663-71

Prophylactic effect in mice of BCG vaccination against nontuberculous mycobacterial infections. Orme IM, et al. **Tubercle** 1985 Jun;66(2):117-20

RADIOGRAPHY

Mycobacterium avium-intracellulare complex enteritis: pseudo-Whipple disease in AIDS. Vincent ME, et al. **AJR** 1985 May;144(5):921-2

Nontuberculous mycobacterial infection. Lé CT, et al. **Am J Dis Child** 1985 Jun;139(6):607-8

Thoracic tuberculosis, mycobacteriosis, MERosis, and BCGosis in a cancer treatment center. Hill CA. **Radiology** 1984 Nov;153(2):311-6

RADIONUCLIDE IMAGING

Ga-67 studies in a patient with acquired immunodeficiency syndrome and disseminated mycobacterial infection. Malhotra CM, et al. **Clin Nucl Med** 1985 Feb;10(2):96-8

SURGERY

Adjunctive surgical management of cutaneous Mycobacterium fortuitum infection. Madjar DD Jr, et al. **J Dermatol Surg Oncol** 1985 Jul;11(7):708-12

THERAPY

Management of nontuberculous (atypical) mycobacterial infections in children and adolescents. Margileth AM. **Pediatr Infect Dis** 1985 Mar-Apr;4(2):119-21 (28 ref.)

[Osteoarthritis and tenosynovitis of the finger due to Mycobacterium intracellulare. A case report and review of the literature] Demoulin L, et al. **Pathol Biol (Paris)** 1984 Nov;32(9):965-8 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Mycobacterium avium-intracellulare infection and possibly venereal transmission [letter] de Caprariis PJ, et al. **Ann Intern Med** 1984 Nov;101(5):721

VETERINARY

Immunologic abnormality in a group of Macaca arctoides with high mortality due to atypical mycobacterial and other disease processes. Holmberg CA, et al. **Am J Vet Res** 1985 May;46(5):1192-6

Dairy herd problem with mastitis caused by a rapidly growing Mycobacterium species. Schultze WD, et al. **Am J Vet Res** 1985 Jan;46(1):42-7

Mycobacterium thermoresistibile: extrapulmonary infection in a cat. Willemse T, et al. **J Clin Microbiol** 1985 May; 21(5):854-6

Occurrence and experimental infection of toads (Bufo marinus and B. granulosus) with Mycobacterium chelonei subsp. abscessus. Mok WY, et al. **J Med Microbiol** 1984 Dec;18(3):327-33

Cutaneous and respiratory tract infection with Mycobacterium ulcerans in two koalas (Phascolarctos cinereus). McOrist S, et al. **J Wildl Dis** 1985 Apr;21(2):171-3

Skin ulcers caused by Mycobacterium ulcerans in koalas near Bairnsdale, Australia. Mitchell PJ, et al. **Pathology** 1984 Jul;16(3):256-60

[Enzootic nodular ulcerative thelitis with Mycobacterium infection in cows] Rüsch P, et al. **Schweiz Arch Tierheilkd** 1984 Sep;126(9):467-78 (Eng. Abstr.) **(Ger)**

MYCOBACTERIUM INFECTIONS, ATYPICAL see under **MYCOBACTERIUM INFECTIONS**

MYCOBACTERIUM LEPRAE

Proceedings of the WHO--ESM--SFM joint meeting on Mycobacterium leprae. Institut Pasteur, June 12-14, 1984. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):95-428

Host-grown Mycobacterium leprae: a credible microorganism. Draper P. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):99-112 (65 ref.)

Abstracts: First U.S. Hansen's Disease Research Conference. National Hansen's Disease Center, Carville, Louisiana, U.S.A, 13-15 August 1954. **Int J Lepr Other Mycobact Dis** 1985 Mar;53(1):154-85

Study of the involvement of the sciatic nerve following inoculation with M. leprae and other mycobacteria in the mouse foot pad. Kamala AN, et al. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):506-14

Fixation of Mycobacterium leprae in unstained smears prior to shipment or storage: evaluation of formaldehyde using Mycobacterium tuberculosis as indicator of efficacy. Allen BW. **Med Lab Sci** 1985 Jan;42(1):53-5

ANALYSIS

Propionibacterium, Corynebacterium, Mycobacterium and Lepra bacilli. Barksdale L, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):153-74

DNA from Mycobacterium leprae. David HL, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):129-36

Characterization of Mycobacterium leprae by lipid analysis. Minnikin DE, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):113-20

Periodic acid-Schiff reaction stains Mycobacterium tuberculosis, Mycobacterium leprae, Mycobacterium ulcerans, Mycobacterium chelonei (abscessus), and Mycobacterium kansasii [letter] Wear DJ, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):701-3

Absence of mycobactin in Mycobacterium leprae; probably a microbe dependent microorganism implications. Kato L. **Ind J Lepr** 1985 Jan-Mar;57(1):58-70

Immunochemical characterization of a protein associated with Mycobacterium leprae cell wall. Gillis TP, et al. **Infect Immun** 1985 Aug;49(2):371-7

CLASSIFICATION

Lipids as taxonomic markers for bacteria derived from leprosy infections. Asselineau C, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):121-7

Classification and identification of Mycobacterium leprae. David HL. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):137-51

Comparative study on the thin-layer chromatographic pattern of methyl mycolates of M leprae and related species. Datta AK, et al. **Int J Lepr Other Mycobact Dis** 1985 Mar;53(1):45-51

[Staining methods used in the identification of Mycobacterium leprae. Historical review] Siqueira LF, et al. **Rev Saude Publica** 1984 Jun;18(3):246-58 (Eng. Abstr.) **(Por)**

DRUG EFFECTS

A series of new antileprosy compounds derived from serotonin. Mester de Parajd L, et al. **Acta Leprol (Geneve)** 1985 Jan-Mar;(96):21-8

A dual effect of tilorone on multiplication of Mycobacterium leprae in mice. Levy L, et al. **Agents Actions** 1984 Oct;15(3-4):398-402

The mouse footpad test--sensitive to small proportions of drug-resistant bacilli in a sample of M. leprae. Almeida JG, et al. **Ind J Lepr** 1984 Jan-Mar;56(1):10-4

Effects of certain ayurvedic preparations on the multiplication of M. leprae in mouse foot-pads. Bhatia VN, et al. **Ind J Lepr** 1984 Oct-Dec;56(4):970-1

Dapsone resistance in patients attending Central Leprosy Teaching and Research Institute, Chengalpattu (South India). Bhatia VN, et al. **Ind J Lepr** 1984 Jul-Sep;56(3):587-94

Prevalence of secondary dapsone resistance in Nepal. Samuel NM, et al. **Ind J Lepr** 1984 Oct-Dec;56(4):823-7

Primary dapsone resistant leprosy in Nepal. Samuel NM, et al. **Ind J Lepr** 1984 Oct-Dec;56(4):819-22

Activity of cycloserine and structurally related compounds against M. leprae-infected mice [letter] Gelber RH. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):536-8

Primary dapsone-resistant leprosy in San Francisco. Gelber RH. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):471-4

Drug sensitivity testing of M. leprae [letter] Grosset J, et al. **Int J Lepr Other Mycobact Dis** 1985 Mar;53(1):118-21

DDS-resistant leprosy [letter] Neelan PN, et al. **Int J Lepr Other Mycobact Dis** 1985 Mar;53(1):115-8

Six cases of dapsone-resistant tuberculoid leprosy [letter] Pearson JM, et al. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):534-5

The bactericidal activity of various aminoglycoside antibiotics against Mycobacterium leprae in mice. Gelber RH, et al. **Lepr Rev** 1984 Dec;55(4):341-7

Rapid, radiometric in vitro assay for the evaluation of the anti-leprosy activity of clofazimine and its analogues. Mittal A, et al. **Lepr Rev** 1985 Jun;56(2):99-108

Prevalence of secondary dapsone-resistant leprosy in Upper Volta. Pattyn SR, et al. **Lepr Rev** 1984 Dec;55(4):361-7

[Observation of antileprotic drug resistance] Ishihara S, et al. **Nippon Rai Gakkai Zasshi** 1984 Oct-Dec;53(4):200-4 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Dopa-oxidase activity on ICRC bacilli. Kale VP, et al. **Ind J Lepr** 1984 Jan-Mar;56(1):58-62

Lactate dehydrogenase in Mycobacterium leprae grown in armadillo liver. Wheeler PR, et al. **Int J Lepr** 1984 Sep;52(3):371-6

GENETICS

Molecular analysis of DNA and construction of genomic libraries of Mycobacterium leprae. Clark-Curtiss JE, et al. **J Bacteriol** 1985 Mar;161(3):1093-102

Genes for the major protein antigens of the leprosy parasite Mycobacterium leprae. Young RA, et al. **Nature** 1985 Aug 1-7;316(6027):450-2

GROWTH & DEVELOPMENT

Cultivation of M. leprae. Nakayama T. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):305-10

Growth characteristics of Mycobacterium leprae. Shepard CC. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):277-9

In vitro cultivation of Mycobacterium X from Mycobacterium leprae infected tissues in propane-tetradecane medium (a preliminary communication). Kato L. **Acta Microbiol Hung** 1984;31(4):373-80

Electrophysiological studies of the sciatic nerves in Mycobacterium leprae foot pad-injected rats. Sebille A, et al. **Int J Lepr** 1984 Sep;52(3):365-70

Intracellular multiplication of leprosy-derived mycobacteria in Schwann cells of dorsal root ganglion cultures. Mukherjee R, et al. **J Clin Microbiol** 1985 May;21(5):808-14

Susceptibility of Mycobacterium leprae to the bactericidal activity of mouse peritoneal macrophages and to hydrogen peroxide. Sharp AK, et al. **J Med Microbiol** 1985 Feb;19(1):77-84

Temperature-induced changes in viability, diphenoloxidase and permeability of Mycobacterium leprae. Prabhakaran K, et al. **Microbios** 1985;43(172):7-15

IMMUNOLOGY

Antibodies to Mycobacterium leprae detected by enzyme linked (ELISA) and radio (RIA) immunoassay: comparison among families with leprosy patients. Chakinis C, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):387-94

Concentration-dependent effects of mycobacteria on the stimulation of murine T-cell clones. Kingston AE, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):369-77

Phagocytosis of Mycobacterium leprae and M. avium by armadillo lung fibroblasts and kidney epithelial cells. Rastogi N, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):267-76

IgM antibodies against phenolic glycolipid I from Mycobacterium leprae in leprosy sera: relationship to bacterial index and erythema nodosum leprosum. Schwerer B, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):394-402

Cell-mediated immunity in mice treated with Mycobacterium leprae or with macrophages harbouring M. leprae. Ridel PR, et al. **Ann Immunol (Paris)** 1984 Jul-Aug;135D(1):39-50

Accessory cell function of cells of the mononuclear phagocyte system isolated from mycobacterial granulomas. Gupta S, et al. **Cell Immunol** 1985 Apr 1;91(2):425-33

Production and characterization of monoclonal antibodies to Mycobacterium tuberculosis, M. bovis (BCG) and M. leprae. Kolk AH, et al. **Clin Exp Immunol** 1984 Dec;58(3):511-21

Evidence for the presence of M. leprae reactive T lymphocytes in patients with lepromatous leprosy. Nath I, et al. **Clin Exp Immunol** 1984 Dec;58(3):522-30

Monoclonal antibodies to a 28,000 mol. wt protein antigen of Mycobacterium leprae. Young DB, et al. **Clin Exp Immunol** 1985 Jun;60(3):546-52

Reversal by interleukin-2 of the T cell unresponsiveness of lepromatous leprosy to Mycobacterium leprae. Haregewoin A, et al. **Immunol Rev** 1984 Aug;80:77-86

Extended studies on subclinical infection in leprosy. Bharadwaj VP, et al. **Ind J Lepr** 1984 Oct-Dec;56(4):807-12

Anti-leprosy vaccines--field trials and future prospects. Deo MG. **Ind J Lepr** 1984 Oct-Dec;56(4):764-75

Induction of delayed-type hypersensitivity by ICRC anti-leprosy vaccine and the adoptive transfer of cell-mediated immunity in mice. Jeevan A, et al. **Ind J Lepr** 1984 Oct-Dec;56(4):754-63

Antigeneic cross-reactivity between ICRC-bacilli and M. leprae--'in vitro' evaluation. Kale VP, et al. **Ind J Lepr** 1984 Apr-Jun;56(2):219-31

Human vaccination studies in normal and contacts of leprosy patients. Samuel NM, et al. **Ind J Lepr** 1984 Jan-Mar;56(1):36-47

Monoclonal antibodies against Mycobacterium leprae and their applications in leprosy research. Sengupta U, et al. **Ind J Lepr** 1984 Oct-Dec;56(4):727-41

Results of a World Health Organization-sponsored workshop on monoclonal antibodies to Mycobacterium leprae [letter] **Infect Immun** 1985 May;48(2):603-5

Human monoclonal antibodies against Mycobacterium leprae. Atlaw T, et al. **Infect Immun** 1985 Jul;49(1):104-10

Phenolic glycolipid 1 of Mycobacterium leprae causes nonspecific inflammation but has no effect on cell-mediated responses in mice. Brett SJ, et al. **Infect Immun** 1984 Dec;46(3):802-8

Antibody response to phenolic glycolipid I in inbred mice immunized with Mycobacterium leprae. Teuscher C, et al. **Infect Immun** 1985 May;48(2):474-9

Detection of an antigen (MY4) common to M. tuberculosis and M. leprae by 'tandem' immunoassay. Praputpittaya K, et al. **J Immunol Methods** 1985 May 10;79(1):149-57

Use of a polysulfone membrane support for immunochemical analysis of a glycolipid from Mycobacterium leprae. Young DB, et al. **J Immunol Methods** 1985 May 23;79(2):205-11

Use of an artificial antigen containing the 3,6-di-O-methyl-beta-D-glucopyranosyl epitope for the serodiagnosis of leprosy. Cho SN, et al. **J Infect Dis** 1984 Sep;150(3):311-22

The effect of Mycobacterium leprae on PHA- and PPD-induced inhibition of leukocyte migration in leprosy patients. Dharma Rao T, et al. **Lepr Rev** 1985 Jun;56(2):109-16

Anti-Mycobacterium leprae antibodies induced by lepromin injection as demonstrated by indirect immunofluorescence. González-Abreu E, et al. **Lepr Rev** 1984 Dec;55(4):337-40

The sensitivity and specificity of fluorescent leprosy antibody absorption (FLA-ABS) test for detecting subclinical infection with Mycobacterium leprae. Ji BH, et al. **Lepr Rev** 1984 Dec;55(4):327-35

Leprosy bacillus outwitted [news] Draper P. **Nature** 1985 Aug 1-7;316(6027):388-9

Leprosy--in pursuit of a vaccine. Stewart-Tull DE. **Vaccine** 1984 Dec;2(4):238-48 (111 ref.)

ISOLATION & PURIFICATION

Immunological properties of M. leprae culture isolates ICRC bacilli: hypothesis on relationship between M. leprae and ML-culture isolates. Bapat CV. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):175-94 (47 ref.)

The discovery of Mycobacterium leprae. A medical achievement in the light of evolving scientific methods. Irgens LM. **Am J Dermatopathol** 1984 Aug;6(4):337-43

Three histologic fixatives for the demonstration of Mycobacterium leprae. Jones RL, et al. **Am J Dermatopathol** 1984 Aug;6(4):379-80

Mycobacterium leprae within a squamous cell carcinoma [letter] Laing AB, et al. **Am J Dermatopathol** 1984 Aug;6(4):413-4

Isolation of mycobacterial phage from the laboratory strain Mycobacterium leprae murium 'Douglas'. Sula L, et al. **Czech Med** 1984;7(3):174-80

Lytic potency against various mycobacterial strains of the phage isolated from Mycobacterium leprae murium 'Douglas'. Sula L, et al. **Czech Med** 1984;7(3):167-73

Modification of the fluorescent staining method for mycobacterial cells. Tsukiyama F, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):293-5

'Drug-resistant proportion test' for M. leprae to quantify the proportion of drug-resistant M. leprae in a sample using the mouse foot pad. Almeida JG, et al. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):468-70

Mycobacterium X identified as Mycobacterium avium intracellulare (probably mixed with M. leprae in early subcultures) [letter] Kato L. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):538-41

METABOLISM

Comparison of biochemical characterisation of ICRC bacilli with M. leprae: effect of substrate alteration in the medium. Kale VP, et al. **Ind J Lepr** 1984 Apr-Jun;56(2):212-8

Alternate radiolabeled markers for detecting metabolic activity of Mycobacterium leprae residing in murine macrophages. Prasad HK, et al. **J Clin Microbiol** 1985 May;21(5):861-4

PHYSIOLOGY

Abortive infection of Mycobacterium leprae by the mycobacteriophage D29. David HL, et al. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):515-23

[Possible mechanisms of cellular degeneration in macrophages infected with BCG in vitro and in leprous granulomas] Sanabria Negrín JG. **Rev Cubana Med Trop** 1984 Jan-Apr;36(1):93-102 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Correlation viability/morphology in Mycobacterium leprae. Silva MT, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):281-91

Study on the micromorphology of Mycobacterium leprae. Burchard GD, et al. **Arch Dermatol Res** 1985;277(3):220–4

Electron microscopic findings of the peripheral nerve lesions of nude mice inoculated with M. leprae. Fukunishi Y. **Int J Lepr Other Mycobact Dis** 1985 Mar;53(1):75–8

Electron microscopic findings of transverse fission of M. leprae by freeze–etching methods. Fukunishi Y. **Int J Lepr Other Mycobact Dis** 1985 Jun;53(2):247–50

MYCOBACTERIUM LEPRAEMURIUM

Use of the fluorescent staining method for determining the viability of Mycobacterium lepraemurium. Tsukiyama F, et al. **Hiroshima J Med Sci** 1985 Mar;34(1):161–3

Validity of the nomenclature of rat leprosy and Mycobacterium lepraemurium [editorial] Dharmendra, et al. **Ind J Lepr** 1984 Jul–Sep;56(3):513–9

DRUG EFFECTS

Further studies of the use of cycloheximide for cultivating Mycobacterium lepraemurium in cell culture. Matsuo Y. **Microbiol Immunol** 1984;28(10):1093–8

GROWTH & DEVELOPMENT

Propane and tetradecane as carbon sources for in vitro cultivation of Mycobacterium lepraemurium in a liquid medium (a preliminary communication). Kato L. **Acta Microbiol Hung** 1984;31(4):381–6

Intrinsic energy potential of Mycobacterium lepraemurium essential for growth in NC–5 medium. Nakamura M, et al. **Microbios** 1985;42(168):97–102

IMMUNOLOGY

Delayed–type hypersensitivity after immunization with ultrasonicated Mycobacterium lepraemurium in C3H and C57BL mice. Løvik M, et al. **Scand J Immunol** 1984 Sep; 20(3):227–35

ISOLATION & PURIFICATION

Modification of the fluorescent staining method for mycobacterial cells. Tsukiyama F, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):293–5

PATHOGENICITY

[Attenuation of virulence of M. lepraemurium after serial mouse passages during long years. VI. Virulence comparison test between Hawaiian M and Hawaiian B strains, using spread subcutaneous tissue preparations of mice] Kawaguchi Y. **Nippon Rai Gakkai Zasshi** 1984 Apr–Jun;53(2):47–53 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Survival of Mycobacterium lepraemurium in vitro for thirty years by lyophilization. Nakamura M. **Int J Lepr Other Mycobact Dis** 1985 Mar;53(1):52–5

MYCOBACTERIUM PHLEI see under **MYCOBACTERIUM**

MYCOBACTERIUM TUBERCULOSIS

Tuberculoid bacilli and tuberculoidosis [letter] Iseman MD, et al. **Chest** 1985 Aug;88(2):316–7

Can asthmatic attack be due to latent Mycobacterium tuberculosis? [letter] Banerjee SK. **J Indian Med Assoc** 1984 Aug;82(8):303

Skin–test sensitisation by tubercle bacilli and by other mycobacteria in Ethiopian school–children. Lema E, et al. **Tubercle** 1984 Dec;65(4):285–93

[Repercussions of Robert Koch's discoveries in the Polish press] Moskwa Z. **Wiad Lek** 1984 Jun 15;37(12):975–8 **(Pol)**

[Generalized tuberculosis in a child, caused by L forms of Mycobacterium tuberculosis] Zemskova ZS, et al. **Probl Tuberk** 1985;(2):64–6 **(Rus)**

ANALYSIS

Periodic acid–Schiff reaction stains Mycobacterium tuberculosis, Mycobacterium leprae, Mycobacterium ulcerans, Mycobacterium chelonei (abscessus), and Mycobacterium kansasii [letter] Wear DJ, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):701–3

[Comparative characteristics of protein complexes of mycobacteria isolated from patients] Fadeeva NI, et al. **Probl Tuberk** 1984 Oct;(10):64–7 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Rapid radiometric methods to detect and differentiate Mycobacterium tuberculosis/M. bovis from other mycobacterial species. Siddiqi SH, et al. **Am Rev Respir Dis** 1984 Oct;130(4):634–40

The usefulness of phage typing Mycobacterium tuberculosis isolates. Snider DE Jr, et al. **Am Rev Respir Dis** 1984 Dec; 130(6):1095–9

Tuberculoid bacilli and tuberculoidosis [letter] Francis J, et al. **Chest** 1984 Dec;86(6):942

Radiometric selective inhibition tests for differentiation of Mycobacterium tuberculosis, Mycobacterium bovis, and other mycobacteria. Gross WM, et al. **J Clin Microbiol** 1985 Apr;21(4):565–8

Evaluation of the p–nitro–alpha–acetylamino–beta–hydroxypropiophenone differential test for identification of Mycobacterium tuberculosis complex. Morgan MA, et al. **J Clin Microbiol** 1985 Apr;21(4):634–5

Subdivision of Mycobacterium tuberculosis for epidemiological purposes: a seven year study of the 'Classical' and 'Asian' types of the human tubercle bacillus in South–East England. Grange JM, et al. **J Hyg (Lond)** 1985 Feb;94(1):9–21

Taxonomic studies on the Mycobacterium tuberculosis series. Tsukamura M, et al. **Microbiol Immunol** 1985;29(4):285–99

Intermediate between Mycobacterium tuberculosis and Mycobacterium bovis. Tsukamura M. **Microbiol Immunol** 1984;28(8):961–3

[Distribution of lysotypes of Mycobacterium tuberculosis in relation to the country of origin of the patient] Clavel–Sérès S, et al. **Ann Microbiol (Paris)** 1984 Jul–Aug;135B(1):35–44 (Eng. Abstr.) **(Fre)**

CYTOLOGY

[Methods of thick–smear examination of the sputum for tubercle bacilli] Xu MY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Oct;7(5):265–8 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

Primary drug–resistant tuberculosis in children. Correlation of drug–susceptibility patterns of matched patient and source case strains of Mycobacterium tuberculosis. Steiner P, et al. **Am J Dis Child** 1985 Aug;139(8):780–2

Predictors of drug–resistant Mycobacterium tuberculosis. Aitken ML, et al. **Am Rev Respir Dis** 1984 Nov; 130(5):831–3

Inhibition by streptomycin of tubercle bacilli within cultured human macrophages. Crowle AJ, et al. **Am Rev Respir Dis** 1984 Nov;130(5):839–44

Determination of in vitro susceptibility of mycobacteria to ansamycin. Heifets LB, et al. **Am Rev Respir Dis** 1985 Sep; 132(3):710–1

Infection and disease among contacts of tuberculosis cases with drug–resistant and drug–susceptible bacilli. Snider DE Jr, et al. **Am Rev Respir Dis** 1985 Jul;132(1):125–32

In vitro antituberculosis activity of a new antibacterial substance ofloxacin (DL8280). Tsukamura M. **Am Rev Respir Dis** 1985 Mar;131(3):348–51

Determination of in vitro susceptibility of Mycobacterium tuberculosis to cephalosporins by radiometric and conventional methods. Heifets LB, et al. **Antimicrob Agents Chemother** 1985 Jan;27(1):11–5

Rifampicin for non–tuberculous infections? Grüneberg RN, et al. **Chemotherapy** 1985;31(4):324–8

Use of the BACTEC system for drug susceptibility testing of Mycobacterium tuberculosis, M. kansasii, and M. avium complex. Steadham JE, et al. **Diagn Microbiol Infect Dis** 1985 Jan;3(1):33–40

In vitro activity of ciprofloxacin against mycobacteria [letter] Gaya H, et al. **Eur J Clin Microbiol** 1985 Jun;4(3):345–7

Activity of the spiropiperidyl rifamycin LM 427 on rifampicin resistant Mycobacterium tuberculosis. Ungheri D, et al. **G Ital Chemioter** 1984 Sep–Dec;31(3):211–4

In vitro activity of chloramphenicol against drug resistant strains of Mycobacterium tuberculosis. Narayanan RA. **Hindustan Antibiot Bull** 1984 Aug–Nov;26(3–4):102–4

Drug–resistance encountered in the retreatment of Mycobacterium tuberculosis infections. Suwanogool S, et al. **J Chronic Dis** 1984;37(12):925–31

Evaluation of the BACTEC radiometric method for detection of 1% resistant populations of Mycobacterium tuberculosis. Tarrand JJ, et al. **J Clin Microbiol** 1985 Jun; 21(6):941–6

Disinfection of the flexible fibreoptic bronchoscope against Mycobacterium tuberculosis and M gordonae. Davis D, et al. **Thorax** 1984 Oct;39(10):785–8

A study of the relationship between the resistance of Mycobacterium tuberculosis to isonicotinic acid hydrazide (isoniazid) and to thiophen–2–carboxylic acid hydrazide. Yates MD, et al. **Tubercle** 1984 Dec;65(4):295–9

[Rapid radiometric susceptibility testing of Mycobacterium tuberculosis] Guo RZ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Dec;7(6):339–40, 382 (Eng. Abstr.) **(Chi)**

[Sterilizing effect of peracetic acid on Mycobacterium tuberculosis] Su Z. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Oct;7(5):299–301 (Eng. Abstr.) **(Chi)**

[Resistant strains of Mycobacterium tuberculosis in the Gizan Area, Saudi Arabia] Schiøtt CR, et al. **Ugeskr Laeger** 1984 Dec 17;146(51):4024–6 (Eng. Abstr.) **(Dan)**

[Pyrazinamidase activity and sensitivity to pyrazinamide in tuberculosis bacteria] Jakschik M. **Prax Klin Pneumol** 1985 Apr;39(4):136–8 (Eng. Abstr.) **(Ger)**

[Pyrazinamidase of M. tuberculosis. Possibility of testing sensitivity to pyrazinamide] Schröder KH. **Prax Klin Pneumol** 1985 May;39(5):170–2 (Eng. Abstr.) **(Ger)**

[Experimental studies in vitro on the antituberculous activities of 27753RP (R.P), a semisynthetic derivative of griselimycine. I. Antituberculous activities of R.P examined at intermittent, short time and continuous exposure in vitro] Shibata A. **Bull Chest Dis Res Inst Kyoto Univ** 1984 Mar; 17(1–2):26–31 (Eng. Abstr.) **(Jpn)**

[Experimental studies in vitro on the antituberculous activities of 27753RP (R.P), a semisynthetic derivative of griselimycine. IV. Antituberculous activities of R.P in vitro under various inadequate conditions for the growth of tubercle bacilli] Shibata A. **Bull Chest Dis Res Inst Kyoto Univ** 1984 Mar;17(1–2):43–9 (Eng. Abstr.) **(Jpn)**

[Experimental studies in vitro on the antituberculous activities of 27753 (R.P), a semisynthetic derivative of griselimycine. II. Antituberculous activities of R.P. in combination with other antituberculous agents] Shibata A. **Bull Chest Dis Res Inst Kyoto Univ** 1984 Mar;17(1–2):32–7 (Eng. Abstr.) **(Jpn)**

[Experimental studies in vitro on the antituberculous activities of 27753RP (R.P), a semisynthetic derivative of griselimycine. III. Cross resistance of R.P] Shibata A. **Bull Chest Dis Res Inst Kyoto Univ** 1984 Mar;17(1–2):38–42 (Eng. Abstr.) **(Jpn)**

[The change in drug resistance of resistant Mycobacterium tuberculosis H37Rv strains after successive transfers on Ogawa medium for seven years] Yamadori H, et al. **Bull Chest Dis Res Inst Kyoto Univ** 1984 Mar;17(1–2):20–5 (Eng. Abstr.) **(Jpn)**

[Phospholipase activity of the membrane fraction of phagocytes in relation to its antibacterial property] Kondo E, et al. **Kekkaku** 1984 Jun;59(6):395–402 (Eng. Abstr.) **(Jpn)**

[Changes in the prevalence of drug–resistant tuberculosis from 1972 to 1982] Sasaki M, et al. **Kekkaku** 1985 Apr; 60(4):241–5 (Eng. Abstr.) **(Jpn)**

[Resistance pattern of Mycobacterium tuberculosis strain H37Rv to a new antibiotic DL 8280] Tsukamura M. **Kekkaku** 1984 May;59(5):337–9 (Eng. Abstr.) **(Jpn)**

[In vitro antituberculous activity of DL8280 on Mycobacterium tuberculosis. The mode of bacteriostatic activity, bactericidal activity, cross–resistance and combined effect with other antituberculous agent] Tsukamura M, et al. **Kekkaku** 1984 Jul;59(7):429–34 (Eng. Abstr.) **(Jpn)**

[Studies on pyrazine derivatives. XVI. Antitubercular properties of compound F–369 in in vitro and in vivo studies] Janowiec M, et al. **Pneumonol Pol** 1985 Jan; 53(1):9–14 (Eng. Abstr.) **(Pol)**

[Results of antibacterial treatment of patients with bacteriologically confirmed pulmonary tuberculosis in Poland 1982] Szczuka I. **Pneumonol Pol** 1984 Sep; 52(9):409–18 (Eng. Abstr.) **(Pol)**

[Antitubercular properties of erythromycin A cyclic 11,12–carbonate in experiments in vitro and in vivo] Janowiec M, et al. **Pol Tyg Lek** 1985 May 27;40(21):604–7 **(Pol)**

[Study of the biological characteristics of strains of M. tuberculosis resistant to isoniazid and rifampin] Diaconescu C, et al. **Rev Ig [Pneumoftiziol]** 1984 Apr–Jun;33(2):151–62 (Eng. Abstr.) **(Rum)**

[Biological properties of Mycobacterium tuberculosis polyresistant to antitubercular agents] Klimenko MT. **Probl Tuberk** 1984 Dec;(12):60–4 (Eng. Abstr.) **(Rus)**

[Biological effects of new PAS derivatives on Mycobacterium tuberculosis] Ertan M, et al. **Mikrobiyol Bul** 1985 Jul;19(3):121–6 (Eng. Abstr.) **(Tur)**

ENZYMOLOGY

Peroxidase–mediated oxidation of isoniazid. Shoeb HA, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):399–403

Preliminary investigation of Mycobacterium tuberculosis biovars. Roman MC, et al. **J Clin Microbiol** 1984 Nov; 20(5):1015–6

GENETICS

Techniques of DNA hybridization detect small numbers of mycobacteria with no cross–hybridization with non–mycobacterial respiratory organisms. Shoemaker SA, et al. **Am Rev Respir Dis** 1985 May;131(5):760–3

Molecular cloning of Mycobacterium tuberculosis H37RaDNA in Escherichia coli. Bhattacharya S, et al. **Indian J Biochem Biophys** 1984 Jun;21(3):201–2

GROWTH & DEVELOPMENT

In–vitro inhibition of mycobacteria by viridans streptococci. Allen BW. **J Med Microbiol** 1985 Apr;19(2):227–35

Culture of Mycobacterium tuberculosis from non–fixed sputum smears. de Kantor IN, et al. **Tubercle** 1985 Jun; 66(2):137–9

[P–nitrobenzoic acid medium (PNB medium) as an aid to differentiate tubercle bacilli from other mycobacteria. (A review)] Tsukamura M. **Kekkaku** 1984 Jun;59(6):361–8 (Eng. Abstr.) **(Jpn)**

[Comparative characteristics of the growth of Mycobacterium tuberculosis on 2 solid nutrient media] Liapunova AD, et al. **Lab Delo** 1984;(7):442–3 (Eng. Abstr.) **(Rus)**

[Mycobacterium tuberculosis cultures in Mycobacterium 7H11 agar versus Löwenstein–Jensen medium] Durmaz R, et al. **Mikrobiyol Bul** 1985 Apr;19(2):88–94 (Eng. Abstr.) **(Tur)**

IMMUNOLOGY

Augmentation of anti-tumor activity by immunization with Mycobacterium tuberculosis (Tbc) and tuberculin-coupled tumor cells. Yada Y, et al. **Acta Med Okayama** 1985 Apr; 39(2):131-41

Serodiagnosis of pulmonary tuberculosis in Argentina by enzyme-linked immunosorbent assay (ELISA) of IgG antibody to Mycobacterium tuberculosis antigen 5 and tuberculin purified protein derivative. Balestrino EA, et al. **Bull WHO** 1984;62(5):755-61

Enzyme-linked immunosorbent assay using Mycobacterium tuberculosis antigen 5 and PPD for the serodiagnosis of tuberculosis. Daniel TM, et al. **Chest** 1985 Sep;88(3):388-92

Demonstration of a shared epitope among mycobacterial antigens using a monoclonal antibody. Daniel TM, et al. **Clin Exp Immunol** 1985 May;60(2):249-58

Production and characterization of monoclonal antibodies to Mycobacterium tuberculosis, M. bovis (BCG) and M. leprae. Kolk AH, et al. **Clin Exp Immunol** 1984 Dec; 58(3):511-21

Efficacy of three mycobacterial antigens in the serodiagnosis of tuberculosis. Kiran U, et al. **Eur J Respir Dis** 1985 Mar; 66(3):187-95

Mycobacterial antigen-specific human T-cell clones secreting macrophage activating factors. Matthews R, et al. **Immunology** 1985 Jan;54(1):17-23

Necrotic inflammatory reaction induced by muramyl dipeptide in guinea pigs sensitized by tubercle bacilli. Nagao S, et al. **J Exp Med** 1985 Aug 1;162(2):401-12

Nonphagocytic dendritic cells are effective accessory cells for anti-mycobacterial responses in vitro. Kaye PM, et al. **J Immunol** 1985 Mar;134(3):1930-4

Detection of an antigen (MY4) common to M. tuberculosis and M. leprae by 'tandem' immunoassay. Praputpittaya K, et al. **J Immunol Methods** 1985 May 10;79(1):149-57

Evaluation of mycobacterial antigens in an enzyme-linked immunosorbent assay (ELISA) for the serodiagnosis of tuberculosis. Benjamin RG, et al. **J Med Microbiol** 1984 Dec;18(3):309-18

Arthritis induced by a T-lymphocyte clone that responds to Mycobacterium tuberculosis and to cartilage proteoglycans. van Eden W, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5117-20

Dissection of Mycobacterium tuberculosis antigens using recombinant DNA. Young RA, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2583-7

Characterization of the specificity of monoclonal antibodies against Mycobacterium tuberculosis by crossed immunoelectrophoresis. Harboe M, et al. **Scand J Immunol** 1985 Jul;22(1):93-8

[Follow-up study of 66 cases with metastatic liver cancer treated with the Maruyama vaccine--conditions for their survival] Iwaki H, et al. **Nippon Ika Daigaku Zasshi** 1984 Dec;51(6):762-7 **(Jpn)**

[Circulating immune complexes and mycobacterial antigens in the blood of pulmonary tuberculosis patients] Averbakh MM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Dec; (12):91-4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Microscopic evaluation of sputum specimens submitted for Mycobacterium tuberculosis culture. Isaac-Renton JL, et al. **Am J Clin Pathol** 1985 Sep;84(3):361-3

Isolation and identification of mycobacteria from patients with pulmonary tuberculosis. Huq F, et al. **Bangladesh Med Res Counc Bull** 1984 Dec;10(2):39-44

Isolation and geographic distribution of Mycobacterium other than M. tuberculosis in British Columbia, 1972-81. Isaac-Renton JL, et al. **Can Med Assoc J** 1985 Sep 15; 133(6):573-6

A rapid radiometric method for detection of M. tuberculosis: optimization of experimental conditions. Shah DH, et al. **Int J Nucl Med Biol** 1984;11(3-4):283-6

Mycobacterium tuberculosis bacteremia detected by the Isolator lysis-centrifugation blood culture system. Kiehn TE, et al. **J Clin Microbiol** 1985 Apr;21(4):647-8

Demonstration of Mycobacterium tuberculosis in epoxy resin sections by the Ziehl-Neelsen technique. Brassil KE. **J Clin Pathol** 1985 Jan;38(1):110-1

Tuberculosis bacteriology in developing countries. Allen BW. **Med Lab Sci** 1984 Oct;41(4):400-9

[Studies on smear positive and culture negative tubercle bacilli] Aoyagi T. **Kekkaku** 1984 Oct;59(10):531-8 (Eng. Abstr.) **(Jpn)**

[Studies on the origin and clinical significance of smear-positive and culture-negative tubercle bacilli] Tsukamura M, et al. **Kekkaku** 1984 Aug;59(8):451-9 (Eng. Abstr.) **(Jpn)**

[Value of homogenizing sputum for isolation of Mycobacterium tuberculosis using electrophoresis] Lapatukhin MA, et al. **Lab Delo** 1985;(4):238-9 (Eng. Abstr.) **(Rus)**

[Device for determining the quantity of reagent during treatment of pathological material for isolation of Mycobacterium tuberculosis] Tiukhtin NS, et al. **Lab Delo** 1985;(3):174-5 **(Rus)**

[Clinico-epidemiological aspects of sparse and single detection of M. tuberculosis] Bobchenok AP. **Probl Tuberk** 1985;(3):54-7 (Eng. Abstr.) **(Rus)**

[Use of fluorescence microscopy in a district tuberculosis dispensary] Evdokimov VN, et al. **Probl Tuberk** 1985; (2):56-8 (Eng. Abstr.) **(Rus)**

[Clinico-bacteriological characteristics of tuberculosis of peripheral lymph nodes] Karachunskil MA, et al. **Probl Tuberk** 1984 Jul;(7):55-9 (Eng. Abstr.) **(Rus)**

[Results of examination of several population groups for the purpose of detecting tuberculosis] Liubkina NI. **Probl Tuberk** 1984 Nov;(11):6-8 (Eng. Abstr.) **(Rus)**

[Isolation of bacteria from pulmonary tuberculosis patients with no destructive lesions] Pashkov IuN, et al. **Probl Tuberk** 1984 Nov;(11):56-8 (Eng. Abstr.) **(Rus)**

[Significance of a single detection of Mycobacterium tuberculosis and its role in tuberculosis of the respiratory organs] Podolinnyl GI, et al. **Probl Tuberk** 1984 Dec; (12):16-8 (Eng. Abstr.) **(Rus)**

[Isolation of bacteria from patients with pulmonary tuberculosis and chronic alcoholism] Rudoi NM, et al. **Probl Tuberk** 1984 Jul;(7):48-51 (Eng. Abstr.) **(Rus)**

[Use of irritating inhalations for the detection of bacteria in patients with silicotuberculosis] Savvaitova NI, et al. **Probl Tuberk** 1985;(1):57-9 (Eng. Abstr.) **(Rus)**

[Value of microbiological studies in the diagnosis of ocular tuberculosis] Vyrenkova TE, et al. **Probl Tuberk** 1985; (2):35-8 (Eng. Abstr.) **(Rus)**

[Pulmonary tuberculosis with negative sputum smear. Approaches and perspectives] Ausina V. **Med Clin (Barc)** 1985 Mar 23;84(11):440-2 **(Spa)**

METABOLISM

Observations on the ubiquity of the Mycobacterium tuberculosis sulfatides in mycobacteria. Dhariwal KR, et al. **Am Rev Respir Dis** 1984 Oct;130(4):641-6

Evidence for the generation of active oxygen by isoniazid treatment of extracts of Mycobacterium tuberculosis H37Ra. Shoeb HA, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):404-7

Alteration of ribosomes and RNA polymerase in drug-resistant clinical isolates of Mycobacterium tuberculosis. Yamada T, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):921-4

PATHOGENICITY

Granuloma formation by muramyl dipeptide associated with branched fatty acids, a structure probably essential for tubercle formation by Mycobacterium tuberculosis. Emori K, et al. **Infect Immun** 1985 Jul;49(1):244-9

[The virulence of drug-resistant Mycobacterium tuberculosis in animals and the therapeutic effect and biochemical changes of the drugs] Zhao T. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Apr;7(2):76-7 (Eng. Abstr.) **(Chi)**

[Development of primary tuberculosis and the mechanisms of protective reactions] Sukhanovskil VP. **Pediatriia** 1984 Jul;(7):50-4 **(Rus)**

[Virulence of Mycobacterium tuberculosis isolated in the far north] Grashchenkova OV, et al. **Probl Tuberk** 1984 Jul; (7):51-5 (Eng. Abstr.) **(Rus)**

MYCOLIC ACIDS

ANALYSIS

Mycolic acid patterns of some species of Mycobacterium. Minnikin DE, et al. **Arch Microbiol** 1984 Oct; 139(2-3):225-31

Comparative study on the thin-layer chromatographic pattern of methyl mycolates of M. leprae and related species. Datta AK, et al. **Int J Lepr Other Mycobact Dis** 1985 Mar;53(1):45-51

Menaquinone composition of mycolic acid-containing actinomycetes and some sporoactinomycetes. Collins MD, et al. **J Appl Bacteriol** 1985 Jan;58(1):77-86

Mycolic acid patterns of representatives of Mycobacterium bovis BCG. Minnikin DE, et al. **J Gen Microbiol** 1984 Oct; 130 (Pt 10):2733-6

METABOLISM

Granuloma forming activity of mycolic acid-containing glycolipids in nocardia and related taxa. Yano I, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):341-9

[Effect of isonicotinic acid hydrazide on mycolic acid synthesis in Nocardia rubra] Maekura R. **Kekkaku** 1984 Jul;59(7):435-40 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effect of Nocardia rubra cell wall skeleton and/or cyclophosphamide on leukemogenesis induced by N-ethyl-N-nitrosourea in Donryu rats. Ogiu T, et al. **J Cancer Res Clin Oncol** 1985;109(3):173-7

MYCOLOGY

HISTORY

The discovery of Achorion schoenleinii. Facts and stories (Johann Lucas Schoenlein and Robert Remak). Seeliger HP. **Mykosen** 1985 Apr;28(4):161-82

[25 years of mycology at the Berlin District Hygiene Institute] Gemeinhardt H. **Z Gesamte Hyg** 1985 Mar; 31(3):191-3 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Nail micronizer. Daniel CR 3d. **Cutis** 1985 Aug;36(2):118

METHODS

Skin-surface touch print for diagnosing fungal infections. Katz HI, et al. **Am Fam Physician** 1985 Apr;31(4):189-94

A plea for the preservation of opportunistic fungal isolates. de Hoog GS, et al. **Diagn Microbiol Infect Dis** 1985 Sep; 3(5):369-72

MYCOPHENOLIC ACID

ANALOGS & DERIVATIVES

Metabolic fate of ethyl O-[N-(p-carboxyphenyl)-carbamoyl] mycophenolate (CAM), a new antitumor agent, in experimental animals. Matsuzawa Y, et al. **J Pharmacobiodyn** 1984 Oct;7(10):776-83

[Action mechanism of ethyl-carboxyphenyl-carbamoyl-mycophenolate] Kagawa D, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Feb 20; 19(1):37-43 (Eng. Abstr.) **(Jpn)**

MYCOPLASMA

Comparison of strains of Mycoplasma iowae. Rhoades KR. **Avian Dis** 1984 Jul-Sep;28(3):710-7

The effect of Mycoplasma hominis and Ureaplasma urealyticum on hamster egg in vitro penetration by human spermatozoa. Busolo F, et al. **Fertil Steril** 1985 Jan; 43(1):110-4

Influence of Ureaplasma urealyticum and Mycoplasma hominis on the human spermatozoal motility. Chang MW, et al. **Hiroshima J Med Sci** 1984 Mar;33(1):23-6

The 5th international congress of the International Organization for Mycoplasmology. 24-29 June 1984, Jerusalem, Israel. **Isr J Med Sci** 1984 Sep;20(9):749-897

The 5th international congress of the International Organization for Mycoplasmology. 24-29 June 1984, Jerusalem, Israel. **Isr J Med Sci** 1984 Oct;20(10):899-1027

Supplement to current insights in mycoplasmology. Proceedings of the International Organization for Mycoplasmology 1980-82. Abstracts. **Yale J Biol Med** 1984 Nov-Dec;57(6):891-908

ANALYSIS

Isolation of a cytopathic factor from Mycoplasma hyopneumoniae. Geary SJ, et al. **Infect Immun** 1985 May; 48(2):576-8

Selective detection of Mycoplasma hyorhinis using cloned genomic DNA fragments. Taylor MA, et al. **Infect Immun** 1985 Mar;47(3):827-30

Electrophoretic analysis of proteins from Mycoplasma capricolum and related serotypes using extracts from intact cells and from minicells containing cloned mycoplasma DNA. Andersen H, et al. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1409-18

A chemiluminescent assay for mycoplasmas in cell cultures. Bertoni G, et al. **J Immunol Methods** 1985 Apr 8; 78(1):123-33

A sensitive and quantitative microassay for the detection of mycoplasma contamination: inhibition of IL-2 dependent cell line proliferation. Sinigaglia F, et al. **J Immunol Methods** 1985 Jan 21;76(1):85-92

Unusual reactivity of lymphocytes from patients with ankylosing spondylitis to mitogen derived from Mycoplasma arthritidis [letter] Seitz M, et al. **Lancet** 1984 Nov 3;2(8410):1035-6

CLASSIFICATION

Biochemical and serological examination of some Mycoplasma strains of goose origin. Stipkovits L, et al. **Acta Vet Hung** 1984;32(3-4):117-25

An analysis of Mycoplasma mycoides by in vivo methods. Smith GR. **Isr J Med Sci** 1984 Oct;20(10):965-9 (23 ref.)

CYTOLOGY

Cell wall deficient organisms--the Microbial Chameleons Seminar presented at the 84th annual meeting of the American Society for Microbiology. St. Louis, Missouri, March 6, 1984. **Diagn Microbiol Infect Dis** 1985 Jul; 3(4):277-336

DRUG EFFECTS

Efficacy of lasalocid sodium against mycoplasmas (preliminary communication). Stipkovits L, et al. **Acta Vet Hung** 1984;32(3-4):127-9

Inhibition of growth of Mycoplasma dispar by DL-alpha-difluoromethyllsine, a selective irreversible inhibitor of lysine decarboxylase, and reversal by cadaverine (1,5-diaminopentane). Pösö H, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):205-10

The activity of ciprofloxacin and other 4-quinolones against Chlamydia trachomatis and Mycoplasmas in vitro. Ridgway GL, et al. **Eur J Clin Microbiol** 1984 Aug; 3(4):344-6

Effect of cholesterol on phospholipid, RNA, and protein synthesis in Mycoplasma capricolum. Dahl JS, et al. **Isr J Med Sci** 1984 Sep;20(9):807-11

Antibiotic sensitivities and elimination of mycoplasmas from infected cell cultures. Gardella RS, et al. **Isr J Med Sci** 1984 Oct;20(10):931-4

In-vitro sensitivity of legionellas, meningococci and mycoplasmas to ciprofloxacin and enoxacin [letter] Fallon RJ, et al. **J Antimicrob Chemother** 1985 Jun;15(6):787-9

The growth-inhibitory effects of some dyes on different Mycoplasma and Acholeplasma spp. Hill AC **J Gen Microbiol** 1985 Jan;131 (Pt 1):181-6

Comparison of the antimycoplasma activity of two commercially available tylosin premixes. Ose EE, et al. **Poult Sci** 1985 Feb;64(2):287-93

In vitro activity of tiamulin against porcine mycoplasmas. Goodwin RF. **Res Vet Sci** 1985 Jan;38(1):124-5

[Antibiotic sensitivity of Mycoplasma pathogenic for man] Quentin C, et al. **Pathol Biol (Paris)** 1985 Mar;33(3):205-12 (80 ref.) (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Survey of immunoglobulin A protease activity among selected species of Ureaplasma and Mycoplasma: specificity for host immunoglobulin A. Kapatais-Zoumbos K, et al. **Infect Immun** 1985 Mar;47(3):704-9

Characterization and solubilization of the membrane-bound ATPase of Mycoplasma gallisepticum. Linker C, et al. **J Bacteriol** 1985 Sep;163(3):1258-62

Aminopeptidase activity in arginine-utilizing Mycoplasma spp. Ball HJ, et al. **J Clin Microbiol** 1985 May;21(5):859-60

Proteolytic activity of mycoplasmas and ureaplasmas isolated freshly from human saliva. Watanabe T, et al. **Med Microbiol Immunol (Berl)** 1985;173(5):251-5

GENETICS

Tetracycline-resistant Mycoplasma hominis strains contain streptococcal tetM sequences. Roberts MC, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):141-3

The sequence of 16S rRNA from Mycoplasma strain PG50. Frydenberg J, et al. **DNA** 1985 Apr;4(2):127-37

Surface proteins of Mycoplasma hyopneumoniae identified from an Escherichia coli expression plasmid library. Klinkert MQ, et al. **Infect Immun** 1985 Aug;49(2):329-35

Analysis of the mycoplasma genome by recombinant DNA technology. Christiansen C, et al. **Isr J Med Sci** 1984 Sep;20(9):781-4

Comparative analysis of mycoplasma ribosomal RNA operons. Göbel U, et al. **Isr J Med Sci** 1984 Sep;20(9):762-4

Deletions, duplications and rearrangements in mycoplasma ribosomal RNA gene sequences. Neimark H. **Isr J Med Sci** 1984 Sep;20(9):765-7

Species-specific detection of Mycoplasma hyorhinis using DNA probes. Taylor MA, et al. **Isr J Med Sci** 1984 Sep;20(9):778-80

Antigen expression from cloned genes of Mycoplasma hyorhinis: an approach to mycoplasma genomic analysis. Wise KS. **Isr J Med Sci** 1984 Sep;20(9):754-7

Nucleic acid relationships among the anaerobic mycoplasmas. Stephens EB, et al. **J Gen Microbiol** 1985 May;131 (Pt 5):1223-7

Transfection of REP- mycoplasmas with viral single-stranded DNA. Sladek TL, et al. **J Virol** 1985 Jan;53(1):25-31

Nucleotide sequence of the rrnB 16S ribosomal RNA gene from Mycoplasma capricolum. Iwami M, et al. **MGG** 1984;196(2):317-22

Molecular cloning of ribosomal protein genes from Mycoplasma capricolum. Kawauchi Y, et al. **MGG** 1984;196(3):521-5

Organization of ribosomal RNA genes in Mycoplasma capricolum. Sawada M, et al. **MGG** 1984;196(2):311-6

Preferential use of A- and U-rich codons for Mycoplasma capricolum ribosomal proteins S8 and L6. Muto A, et al. **Nucleic Acids Res** 1984 Nov 12;12(21):8209-17

Construction of the mycoplasma evolutionary tree from 5S rRNA sequence data. Rogers MJ, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1160-4

UGA is read as tryptophan in Mycoplasma capricolum. Yamao F, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2306-9

Cloned mycoplasma ribosomal RNA genes for the detection of mycoplasma contamination in tissue cultures. Göbel UB, et al. **Science** 1984 Dec 7;226(4679):1211-3

GROWTH & DEVELOPMENT

Effect of trichothecenes on growth and intracellular pool size of Mycoplasma gallisepticum. Rottem S, et al. **FEBS Lett** 1984 Sep 17;175(1):189-92

Effect of oral bacteria on the in vitro growth of Mycoplasma orale. Martin-Bourgon C, et al. **Microbiol Esp** 1984 Jan-Jun;37(1-2):55-63

Diversity in nicotinamide-adenine dinucleotide requirement for the growth of different strains of Mycoplasma synoviae. Yagihashi T, et al. **Res Vet Sci** 1984 Nov;37(3):353-4

[Cultivation of Mycoplasma californicum and other Mycoplasma species of cattle] Pfützner H, et al. **Arch Exp Veterinarmed** 1985 Jan;39(1):63-9 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Cell-mediated and humoral immune response to Mycoplasma hyopneumoniae in pigs enhanced by dextran sulfate. Kishima M, et al. **Am J Vet Res** 1985 Feb;46(2):456-62

Characteristics of protective activity of Mycoplasma hyopneumoniae vaccine. Ross RF, et al. **Am J Vet Res** 1984 Oct;45(10):1899-905

Mycoplasma gallisepticum vaccination: further studies on egg transmission and egg production. Glisson JR, et al. **Avian Dis** 1985 Apr-Jun;29(2):408-15

Vaccination of turkeys against air-sac infection with a temperature-sensitive mutant of Mycoplasma gallisepticum. Lam KM, et al. **Avian Dis** 1984 Oct-Dec;28(4):1096-101

Use of egg yolk in serological tests (ELISA and HI) to detect antibody to Newcastle disease, infectious bronchitis, and Mycoplasma gallisepticum. Piela TH, et al. **Avian Dis** 1984 Oct-Dec;28(4):877-83

An enzyme-linked immunosorbent assay for the detection of antibodies to Mycoplasma gallisepticum in experimentally infected chickens. Talkington FD, et al. **Avian Dis** 1985 Jan-Mar;29(1):53-70

Efficacy of experimental inactivated mycoplasma gallisepticum oil-emulsion bacterin in egg-layer chickens. Yoder HW Jr, et al. **Avian Dis** 1985 Apr-Jun;29(2):322-34

Prevalence of antibodies to Chlamydia trachomatis, Neisseria gonorrhoeae, and Mycoplasma hominis in infertile women. Tjiam KH, et al. **Genitourin Med** 1985 Jun;61(3):175-8

Diffusion of target cell membrane proteins allows recognition of cryptic binding sites by Mycoplasma pulmonis hemagglutinin. Minion FC, et al. **Infect Immun** 1985 May;48(2):579-80

Trypsin-sensitive, bovine serum albumin-dependent hemolysis activity in Mycoplasma pulmonis. Minion FC, et al. **Infect Immun** 1985 Aug;49(2):440-2

Isotype commitment of B cells and dissemination of the primed state after mucosal stimulation with Mycoplasma pulmonis. Rose FV, et al. **Infect Immun** 1985 Aug;49(2):428-34

Characterization of the metabolism inhibition antigen of Mycoplasma arthritidis. Washburn LR, et al. **Infect Immun** 1985 Aug;49(2):357-64

Antigenic mimicry of mammalian intermediate filaments by mycoplasmas. Wise KS, et al. **Infect Immun** 1985 May;48(2):587-91

Vaccination trials against Mycoplasma mycoides subsp. mycoides (large-colony-type) infection in goats. Bar-Moshe B, et al. **Isr J Med Sci** 1984 Oct;20(10):972-4

Blast transformation of mouse splenic B-lymphocytes with extracts of Mycoplasma hyorhinis. Butler GH, et al. **Isr J Med Sci** 1984 Sep;20(9):891-4

Conservation of pathogenic mycoplasma antigens. Hu PC, et al. **Isr J Med Sci** 1984 Oct;20(10):916-9

Immunoblotting for determination of the antigenic specificities of antibodies to the Mycoplasmatales. Kenny GE, et al. **Isr J Med Sci** 1984 Oct;20(10):908-11

Bacterins and vaccines for the control of Mycoplasma gallisepticum. Kleven SH, et al. **Isr J Med Sci** 1984 Oct;20(10):989-91

Utilization of temperature-sensitive mutants of Mycoplasma gallisepticum to prevent air sac infections. Lam KM, et al. **Isr J Med Sci** 1984 Oct;20(10):992-4

Studies on the mechanism of macrophage-mediated tumor cell lysis induced by Mycoplasma orale. Loewenstein J, et al. **Isr J Med Sci** 1984 Sep;20(9):895-7

Lymphokine-like activity of a strain of Mycoplasma arginini. Ruuth E, et al. **Isr J Med Sci** 1984 Sep;20(9):886-90

A comparison of the methods of the European Pharmacopoeia for the detection of Mycoplasma gallisepticum and Mycoplasma synoviae. Woods SB, et al. **J Biol Stand** 1984 Jul;12(3):305-9

Serological cross-reactions between Mycoplasma genitalium and Mycoplasma pneumoniae. Lind K, et al. **J Clin Microbiol** 1984 Dec;20(6):1036-43

A study of F38-type and related mycoplasmas by mycoplasmaemia and cross-immunization tests in mice. Kanyi Kibe M, et al. **J Hyg (Lond)** 1984 Dec;93(3):465-73

Demonstration of cross-reactive antigens in F38 and related mycoplasmas by enzyme-linked immunosorbent assay (ELISA) and immunoblotting. Kibe MK, et al. **J Hyg (Lond)** 1985 Aug;95(1):95-106

A 'lymphokine-like' soluble product that induces proliferation and maturation of B cells appears in the serum-free supernatant of a T cell hybridoma as a consequence of mycoplasmal contamination. Proust JJ, et al. **J Immunol** 1985 Jan;134(1):390-6

Production of interleukin-2 by rat lymph node cells stimulated by Mycoplasma pulmonis membranes. Levin D, et al. **J Infect Dis** 1985 Mar;151(3):541-4

Induction of interferon gamma in mouse spleen cells by culture supernatants of mycoplasma arthritidis. Kirchner H, et al. **J Interferon Res** 1984 Summer;4(3):389-97

Evaluation of serologic tests for Mycoplasma gallisepticum in wild turkeys. Rocke TE, et al. **J Wildl Dis** 1985 Jan;21(1):58-61

Improvement of complement fixation test antigen for the diagnosis of Mycoplasma hyopneumoniae infection. Mori Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Winter;23(4):111-6

Effect of some immunomodulators on the delayed-type hypersensitivity to nonviable Mycoplasma pulmonis in mice. Kishima M, et al. **Nippon Juigaku Zasshi** 1984 Dec;46(6):889-91

Human mycoplasmal infections: serologic observations. Lin JS. **Rev Infect Dis** 1985 Mar-Apr;7(2):216-31 (85 ref.)

Lymphoproliferative responses of spleen cells of inbred rat strains to Mycoplasma arthritidis mitogen. Moritz T, et al. **Scand J Immunol** 1984 Oct;20(4):365-9

Mycoplasma mimicry of lymphokine activity in T-cell lines. Ruuth E, et al. **Scand J Immunol** 1985 Jun;21(6):593-600

Comparison of bovine IgG1, IgG2 and IgM for ability to promote killing of Mycoplasma bovis by bovine alveolar macrophages and neutrophils. Howard CJ. **Vet Immunol Immunopathol** 1984 Jul;6(3-4):321-6

Resistance of chickens immunized against Mycoplasma gallisepticum is mediated by bursal dependent lymphoid cells. Lam KM, et al. **Vet Microbiol** 1984 Sep;9(5):509-14

Detection by immunofluorescence of viral, chlamydial and mycoplasma antigens in men with urethritis. Anghelescu S, et al. **Virologie** 1985 Jan-Mar;36(1):3-10

[Detection of Mycoplasma arthritidis and Mycoplasma fermentans antibodies in rheumatoid arthritis patients by an immunoenzyme method] Gorina LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jun;(6):48-52 (Eng. Abstr.) **(Rus)**

[Detection of Mycoplasma antigens (Mycoplasma arthritidis and Mycoplasma fermentans) in the tissues of experimentally infected animals by using indirect immunofluorescence and aggregate-hemagglutination reactions] Vul'fovich IuV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Mar;(3):81-2 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Chlamydia, mycoplasmas, ureaplasmas, and yeasts in the lower genital tract of females. Comparison between a group attending a venereal disease clinic and a control group. Møller BR, et al. **Acta Obstet Gynecol Scand** 1985;64(2):145-9

The infrequent occurrence of mycoplasmas in amniotic fluid from women with intact fetal membranes. Thomsen AC, et al. **Acta Obstet Gynecol Scand** 1984;63(5):425-9

Colonisation pattern of the respiratory tract of calves by Mycoplasma dispar. Tanskanen R. **Acta Vet Scand** 1984;25(4):577-92

Urethral isolation of the genital mycoplasmas and Chlamydia trachomatis in women with chronic urologic complaints. Bump RC, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):38-41

The prevalence of ureaplasma, mycoplasma and antibodies against chlamydia group antigen in gynecological outpatients. Stanek G, et al. **Arch Gynecol** 1985;236(4):203-9

Genital mycoplasmas and chlamydiae in pelvic inflammatory diseases. Crăcea E, et al. **Arch Roum Pathol Exp Microbiol** 1984 Apr-Jun;43(2):121-6

Demonstration of Mycoplasma gallisepticum in tracheas of healthy carrier chickens by fluorescent-antibody procedure and the significance of certain serologic tests in estimating antibody response. Benčina D, et al. **Avian Dis** 1984 Jul-Sep;28(3):574-8

Characterization of mycoplasmas isolated from pneumonic sheep lungs in Sudan. Elmahi M, et al. **Br Vet J** 1985 Jan-Feb;141(1):82-3

Isolation of Mycoplasma bovis from bulk milk. Kunkel JR. **Cornell Vet** 1985 Jul;75(3):398-400

Mollicutes (mycoplasma) in infertility. Styler M, et al. **Fertil Steril** 1985 Jul;44(1):1-12 (107 ref.)

Isolation of Ureaplasma urealyticum and Mycoplasma hominis from patients with genitourinary tract infection. Chang MW, et al. **Hiroshima J Med Sci** 1984 Mar;33(1):53-6

Cell culture models as ancillary tools in the isolation and characterization of mycoplasmas. Hopps HE, et al. **Isr J Med** Sci 1984 Oct;20(10):927-30 (14 ref.)

A prospective study of mycoplasma infection in the preterm infant. Rudd PT, et al. **Isr J Med Sci** 1984 Oct;20(10):899-901

Comparison of media for isolation of Ureaplasma urealyticum and genital Mycoplasma species. Fiacco V, et al. **J Clin Microbiol** 1984 Nov;20(5):862-5

Detection of Mycoplasma hominis septicemia by radiometric blood culture. Smaron MF, et al. **J Clin Microbiol** 1985 Mar;21(3):298-301

Mycoplasma cavipharyngis, a new species isolated from the nasopharynx of guinea-pigs. Hill AC. **J Gen Microbiol** 1984 Dec;130 (Pt 12):3183-8

Isolation of a motile mycoplasma from fish. Kirchhoff H, et al. **J Gen Microbiol** 1984 Sep;130 (Pt 9):2439-45

Mycoplasma in periodontal disease. Isolation in juvenile periodontitis. Newman MG, et al. **J Periodontol** 1984 Oct;55(10):574-80

Serological evidence that chlamydiae and mycoplasmas are involved in infertility of women. Møller BR, et al. **J Reprod Fertil** 1985 Jan;73(1):237-40

Mycoplasma gallisepticum isolation in layers. Branton SL, et al. **Poult Sci** 1984 Oct;63(10):1917-9

Elimination of mycoplasma contaminants from cell cultures with animal serum. Nair CN. **Proc Soc Exp Biol Med** 1985 Jun;179(2):254-8

The co-existence of genital Mycoplasma and Neisseria gonorrhoeae isolated from the male urethra. Alfa MJ, et al. **Sex Transm Dis** 1984 Jul-Sep;11(3):131-6

Isolation of Mycoplasma arginini from a goat in Malaysia [letter] Sheikh-Omar AR, et al. **Vet Rec** 1985 Mar 23;116(12):330-1

[Occurrence of Mycoplasma bovis in milk samples from cows from the northern part of Germany] Wienhus M, et al. **Berl Munch Tierarztl Wochenschr** 1984 Sep 1;97(9):311–3 (Eng. Abstr.) **(Ger)**

[Demonstrability and survival of Mycoplasma bovis in milk] Wienhus M, et al. **Berl Munch Tierarztl Wochenschr** 1984 Aug 1;97(8):269–71 (Eng. Abstr.) **(Ger)**

[Cultural and serologic studies of the colonization of mycoplasmas in hemodialysis and kidney transplant patients] Bollmann R, et al. **Z Urol Nephrol** 1984 Nov; 77(11):671–7 (Eng. Abstr.) **(Ger)**

[Mycoplasma bovis isolation in the offspring of cows with M. bovis mastitis and its epizootiological significance] Pfützner H, et al. **Zentralbl Veterinarmed [B]** 1985 Apr; 32(4):265–79 (Eng. Abstr.) **(Ger)**

[Isolation of Mycoplasma canadense in the genital tract of a cow in North Germany] Roth B, et al. **Zentralbl Veterinarmed** [B] 1985 Mar;32(3):169–72 (Eng. Abstr.) **(Ger)**

[Incidence of Mycoplasma hominis in men examined for infertility] Mészáros G, et al. **Orv Hetil** 1985 Aug 25; 126(34):2079–81 (Eng. Abstr.) **(Hun)**

[Role of Chlamydia, Mycoplasmataceae and Trichomonas vaginalis in non-gonococcal urethritis in men] Mroczkowski TF, et al. **Przegl Dermatol** 1984 Jul–Aug; 71(4):369–74 (Eng. Abstr.) **(Pol)**

[Persistence of Mycoplasma arthritidis in the body of mice of different strains] Rakovskaia IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Oct;(10):75–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Phosphate distribution and transport in mycoplasma. Lajeunesse D, et al. **Can J Biochem Cell Biol** 1984 Nov; 62(11):1041–5

Uptake and transbilayer distribution of phosphatidylcholines in Mycoplasma gallisepticum and their effect on cell morphology. Rottem S, et al. **Isr J Med Sci** 1984 Sep; 20(9):812–6

Sodium and proton transport in Mycoplasma gallisepticum. Linker C, et al. **J Bacteriol** 1985 Sep;163(3):1250–7

Supernatant fluid inhibiting the incorporation of [3H]-thymidine by rabbit splenic lymphocytes stimulated in a variety of in vitro assays [letter] Pollak R, et al. **Transplantation** 1985 Sep;40(3):340–1

PATHOGENICITY

Evaluation of cytopathologic changes induced in chicken tracheal epithelium by Mycoplasma gallisepticum in vivo and in vitro. Dykstra MJ, et al. **Am J Vet Res** 1985 Jan; 46(1):116–22

In ovo pathogenicity of Mycoplasma gallisepticum strains in the presence and absence of maternal antibody. Levisohn S, et al. **Avian Dis** 1985 Jan–Mar;29(1):188–97

Gordon memorial lecture: people, poultry and pathogenic mycoplasmas. Jordan FT. **Br Poult Sci** 1985 Jan;26(1):1–15 (56 ref.)

Distinctions among pathogenic human mycoplasmas. Baseman JB, et al. **Isr J Med Sci** 1984 Sep;20(9):866–9

Pathogenicity of Mycoplasma capricolum and Mycoplasma putrefaciens. DaMassa AJ, et al. **Isr J Med Sci** 1984 Oct; 20(10):975–8

In vitro studies on the mechanism of adherence and pathogenicity of mycoplasmas. Kahane I. **Isr J Med Sci** 1984 Sep;20(9):874–7

Flask-shaped mycoplasmas: properties and pathogenicity for man and animals. Kirchhoff H, et al. **Isr J Med Sci** 1984 Sep;20(9):848–53

Early stages in the interaction between Mycoplasma gallisepticum and the chick trachea, as related to pathogenicity and immunogenicity. Levisohn S. **Isr J Med Sci** 1984 Oct;20(10):982–4

Role of mycoplasma strain F38 in contagious caprine pleuropneumonia. MacOwan KJ. **Isr J Med Sci** 1984 Oct; 20(10):979–81

Pathogenetic mechanisms of Mycoplasma mycoides subsp. mycoides septicemia in goats. Rosendal S. **Isr J Med Sci** 1984 Oct;20(10):970–1

The pathogenicity of some ovine or caprine mycoplasmas in the lactating mammary gland of sheep and goats. Jones GE. **J Comp Pathol** 1985 Jul;95(3):305–18

The interplay of host and organism factors in infection of the mouse genital tract by Mycoplasma pulmonis. Taylor-Robinson D, et al. **J Hyg (Lond)** 1985 Aug; 95(1):7–14

Neonatal mycoplasmaemia: Mycoplasma hominis as a significant cause of disease? Unsworth PF, et al. **J Infect** 1985 Mar;10(2):163–8

Experimental pneumonia in conventionally reared and gnotobiotic calves by dual infection with Mycoplasma bovis and Pasteurella haemolytica. Gourlay RN, et al. **Res Vet Sci** 1985 May;38(3):377–82

Investigations into the possible role of Mycoplasma arginini in ovine respiratory disease. Jones GE, et al. **Res Vet Sci** 1985 May;38(3):368–72

Mycoplasma hominis--a human pathogen. Holmes KK. **Sex Transm Dis** 1984 Jul–Sep;11(3):159–63

Comparison of virulence of ovine respiratory mycoplasmas in the mouse mammary gland. Buddle BM, et al. **Vet Microbiol** 1984 Aug;9(4):367–74

[Mycoplasma as the causative agent of kidney infections] Angelova I, et al. **Vutr Boles** 1985;24(1):69–71 (Eng. Abstr.) **(Bul)**

[Mycoplasma persistence in cell cultures and the induction of morphological changes] Neustroeva VV. **Vestn Akad Med Nauk SSSR** 1985;(3):22–5 (Eng. Abstr.) **(Rus)**

[Persistence of M. arthritidis and the Rauscher leukemia virus in a mixed Mycoplasma-viral infection in mice] Rakovskaia IV. **Vestn Akad Med Nauk SSSR** 1985;(3):32–8 (Eng. Abstr.) **(Rus)**

[Influence of mycoplasma on the production of the oncogenic leukemia virus HTLV by HUT-102 T-lymphoblastoid cells] Alymbaeva DB, et al. **Vopr Virusol** 1985 Jan–Feb; 30(1):75–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Mycoplasmas as a tool for membrane research. Bloch K. **Diagn Microbiol Infect Dis** 1985 Jul;3(4):279–81

Medium-dependent properties of mycoplasmas. Clark HW, et al. **Diagn Microbiol Infect Dis** 1985 Jul;3(4):283–94

Inhibition of [3H]thymidine incorporation by Mycoplasma arginini-infected cells due to enzymatic cleavage of the nucleoside. Sinigaglia F, et al. **Eur J Immunol** 1985 Jul; 15(7):692–6

Differentiation in the murine B cell lymphoma I.29: inductive capacities of lipopolysaccharide and Mycoplasma fermentans products. Sitia R, et al. **Eur J Immunol** 1985 Jun;15(6):570–5

Do mycoplasmas inhibit the human sperm fertilizing ability in vitro? Busolo F, et al. **Isr J Med Sci** 1984 Oct; 20(10):902–4

Mycoplasma-like organisms (MLO), pathogens of the plant yellows diseases, as a model of coevolution between prokaryotes, insects and plants. Caudwell A. **Isr J Med Sci** 1984 Oct;20(10):1025–7

The completeness of molecular biology. Morowitz HJ. **Isr J Med Sci** 1984 Sep;20(9):750–3

Volume regulation in Mycoplasma gallisepticum. Wilson TH, et al. **Isr J Med Sci** 1984 Sep;20(9):800–2

Cell volume regulation in Mycoplasma gallisepticum. Linker C, et al. **J Bacteriol** 1985 Sep;163(3):1243–9

Effects of Mycoplasma hominis on in-vitro studies of Neisseria gonorrhoeae. Alfa MJ, et al. **Sex Transm Dis** 1985 Jul–Sep;12(3):103–9

[The tenacity of Mycoplasma bovis] Pfützner H. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1984 Oct; 258(1):38–41 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Mycoplasma-like structures in a Kaposi's sarcoma not associated with AIDS [letter] Marquart KH, et al. **Eur J Clin Microbiol** 1985 Feb;4(1):73–4

Flask-shaped mycoplasmas: properties and pathogenicity for man and animals. Kirchhoff H, et al. **Isr J Med Sci** 1984 Sep;20(9):848–53

Ultrastructure of mycoplasmal capsules as revealed by stabilization with antiserum and staining with ruthenium red. Tajima M, et al. **Nippon Juigaku Zasshi** 1985 Apr; 47(2):217–23

Electron microscope observations on the interaction of Mycoplasma fermentans with Trichomonas vaginalis. Scholtyseck E, et al. **Z Parasitenkd** 1985;71(4):435–42

MYCOPLASMA INFECTIONS

Mycoplasmas: their role in pediatric disease. Azimi PH, et al. **Curr Probl Pediatr** 1984 Aug;14(8):1–46 (132 ref.)

The 5th international congress of the International Organization for Mycoplasmology. 24–29 June 1984, Jerusalem, Israel. **Isr J Med Sci** 1984 Oct;20(10):899–1027

Pneumonia and meningoencephalitis in a female adolescent. Case report. Wright RA, et al. **Mo Med** 1984 Oct; 81(10):660–1, 666

Mycoplasma-bovis-induced mastitis in cattle in Denmark. Friis NF. **Nord Vet Med** 1984 Sep–Oct;36(9–10):324–5

Introductory address: microbial etiology of pelvic inflammatory disease. Mårdh P. **Sex Transm Dis** 1984 Oct–Dec;11(4 Suppl):428–9

Supplement to current insights in mycoplasmology. Proceedings of the International Organization for Mycoplasmology 1980–82. Abstracts. **Yale J Biol Med** 1984 Nov–Dec;57(6):891–908

COMPLICATIONS

Repercussion of mycoplasmas on male and female sterility. Stray-Pedersen B. **Acta Eur Fertil** 1985 Mar–Apr; 16(2):101–5

Spontaneous abortion--an infectious aetiology? Munday PE, et al. **Br J Obstet Gynaecol** 1984 Dec;91(12):1177–80

Neurological complications of Mycoplasma pneumoniae infection. Hely MA, et al. **Clin Exp Neurol** 1984;20:153–60

[Mycoplasma infection: a disease of reproduction? Apropos of 271 cases] Jahier J, et al. **Rev Fr Gynecol Obstet** 1985 Feb;80(2):79–86 (Eng. Abstr.) **(Fre)**

[SARA and Ureaplasma urealyticum (letter)] Fuertes Martín A, et al. **Med Clin (Barc)** 1985 Jun 8;85(2):81–2 **(Spa)**

DIAGNOSIS

Mycoplasma pulmonis detection in rodents: lessons for diagnosis in other species. Cassell GH, et al. **Isr J Med Sci** 1984 Sep;20(9):859–65

Neonatal mycoplasmaemia: Mycoplasma hominis as a significant cause of disease? Unsworth PF, et al. **J Infect** 1985 Mar;10(2):163–8

Diagnosis of genital Mycoplasma and Ureaplasma infections. Friberg J. **J Reprod Med** 1985 Mar;30(3 Suppl):258–61

Human mycoplasmal infections: serologic observations. Lin JS. **Rev Infect Dis** 1985 Mar–Apr;7(2):216–31 (85 ref.)

Chlamydia trachomatis, Mycoplasma hominis, and Ureaplasma urealyticum infections of infants. Bell TA. **Semin Perinatol** 1985 Jan;9(1):29–37 (88 ref.)

[Clinical course of the respiratory form of Mycoplasma infection in children] Mokhammad AM, et al. **Pediatriia** 1984 Sep;(9):56–9 **(Rus)**

ETIOLOGY

Acute upper genital-tract disease in female monkeys provoked experimentally by Mycoplasma genitalium. Møller BR, et al. **Br J Exp Pathol** 1985 Aug;66(4):417–26

Urethral infection in male chimpanzees produced experimentally by Mycoplasma genitalium. Taylor-Robinson D, et al. **Br J Exp Pathol** 1985 Feb; 66(1):95–101

[Mycoplasma as the causative agent of kidney infections] Angelova I, et al. **Vutr Boles** 1985;24(1):69–71 (Eng. Abstr.) **(Bul)**

[Mycoplasma infections of the excretory system] Angelova I, et al. **Vutr Boles** 1985;24(1):7–11 (35 ref.) **(Bul)**

[Mycoplasma causing puerperal fever] Mikola I, et al. **Orv Hetil** 1985 Jan 20;126(3):159–60 (Eng. Abstr.) **(Hun)**

FAMILIAL & GENETIC

Increased sister chromatid exchange in human lymphocyte cultures infected with mycoplasma. Ito-Kuwa S, et al. **Microbiol Immunol** 1984;28(8):893–901

IMMUNOLOGY

Mycoplasma infection of cell lines can simulate the expression of Fc receptors by binding of the carbohydrate moiety of antibodies. Lemke H, et al. **Eur J Immunol** 1985 May; 15(5):442–7

Importance of Mycoplasma hominis in acute salpingitis assessed by culture and serological tests. Lind K, et al. **Genitourin Med** 1985 Jun;61(3):185–9

Nonspecific lymphocyte responses in F344 and LEW rats: susceptibility to murine respiratory mycoplasmosis and examination of cellular basis for strain differences. Davis JK, et al. **Infect Immun** 1985 Jul;49(1):152–8

Effects of mycoplasma contamination on immunoglobulin biosynthesis by human B lymphoblastoid cell lines. Hendershot L, et al. **Infect Immun** 1985 Jul;49(1):36–9

Isotype commitment of B cells and dissemination of the primed state after mucosal stimulation with Mycoplasma pulmonis. Rose FV, et al. **Infect Immun** 1985 Aug; 49(2):428–34

Induction of interleukin-2 and colony-stimulating factors in lymphoid cell cultures activated by mitogenic mycoplasmas. Gershon H, et al. **Isr J Med Sci** 1984 Sep; 20(9):882–5

A study of F38-type and related mycoplasmas by mycoplasmaemia and cross-immunization tests in mice. Kanyi Kibe M, et al. **J Hyg (Lond)** 1984 Dec;93(3):465–73

Detection of antibodies against membrane-glycoproteins of swine erythrocytes after experimental infection with Mycoplasma hyopneumoniae. Baumgartner A, et al. **Vet Immunol Immunopathol** 1984 Aug;7(1):73–9

[Mycoplasma hominis salpingitis. A serological study] Eng J, et al. **Tidsskr Nor Laegeforen** 1985 Mar 30; 105(9–10):671–3 (Eng. Abstr.) **(Nor)**

[Detection of Mycoplasma antigens (Mycoplasma arthritidis and Mycoplasma fermentans) in the tissues of experimentally infected animals by using indirect immunofluorescence and aggregate-hemagglutination reactions] Vul'fovich IuV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Mar;(3):81–2 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Invasiveness of Salmonella typhimurium in HEp-2 cell cultures pre-infected with Mycoplasma hominis and Mycoplasma orale. Bukholm G, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Feb; 93(1):67–72

Urethral isolation of the genital mycoplasmas and Chlamydia trachomatis in women with chronic urologic complaints. Bump RC, et al. **Am J Obstet Gynecol** 1985 May 1; 152(1):38–41

Mollicutes (mycoplasma) in infertility. Styler M, et al. **Fertil Steril** 1985 Jul;44(1):1–12 (107 ref.)

Isolation of Ureaplasma urealyticum and Mycoplasma hominis from patients with genitourinary tract infection. Chang MW, et al. **Hiroshima J Med Sci** 1984 Mar; 33(1):53–6

An analysis of Mycoplasma mycoides by in vivo methods. Smith GR. **Isr J Med Sci** 1984 Oct;20(10):965–9 (23 ref.)

The pathogenicity of some ovine or caprine mycoplasmas in the lactating mammary gland of sheep and goats. Jones GE. **J Comp Pathol** 1985 Jul;95(3):305–18

The interplay of host and organism factors in infection of the mouse genital tract by Mycoplasma pulmonis. Taylor-Robinson D, et al. **J Hyg (Lond)** 1985 Aug;

95(1):7-14

A study of urethritis in males with special reference to Ureaplasma urealyticum (T-strain mycoplasma). Pandit DV, et al. **J Postgrad Med** 1984 Jul;30(3):153-5

[Role of Chlamydia, Mycoplasmataceae and Trichomonas vaginalis in non-gonococcal urethritis in men] Mroczkowski TF, et al. **Przegl Dermatol** 1984 Jul-Aug; 71(4):369-74 (Eng. Abstr.) **(Pol)**

[Mycoplasma contamination of cell cultures: methods for its detection and the possible routes of Mycoplasma infection spread] Smirnova TD, et al. **Tsitologiia** 1985 Mar; 27(3):276-81 (Eng. Abstr.) **(Rus)**

[Persistence of M. arthritidis and the Rauscher leukemia virus in a mixed Mycoplasma-viral infection in mice] Rakovskaia IV. **Vestn Akad Med Nauk SSSR** 1985;(3):32-8 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Prevalence of Chlamydia trachomatis and genital mycoplasmas in asymptomatic women. Embil JA, et al. **Can Med Assoc J** 1985 Jul 1;133(1):34-5

A prospective study of mycoplasma infection in the preterm infant. Rudd PT, et al. **Isr J Med Sci** 1984 Oct; 20(10):899-901

[Incidence of mycoplasma mastitis in Czechoslovakia] Jurmanová K, et al. **Vet Med (Praha)** 1985 Mar; 30(3):149-56 (Eng. Abstr.) **(Cze)**

PATHOLOGY

[Septicemia caused by Mycoplasma hominis] Angelova I, et al. **Vutr Boles** 1984;23(6):114-7 (Eng. Abstr.) **(Bul)**

[Mycoplasma persistence in cell cultures and the induction of morphological changes] Neustroeva VV. **Vestn Akad Med Nauk SSSR** 1985;(3):22-5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Experimental infection of castrated lambs with Mycoplasma agalactiae. MacOwan KJ, et al. **J Hyg (Lond)** 1984 Dec; 93(3):455-63

PREVENTION & CONTROL

Prophylaxis with lymecycline in induced first-trimester abortion: a clinical, controlled trial assessing the role of Chlamydia trachomatis and Mycoplasma hominis. Heisterberg L, et al. **Sex Transm Dis** 1985 Apr-Jun; 12(2):72-5

TRANSMISSION

The role of mycoplasmas in sexually transmitted vaginitis. Altomare GF, et al. **Boll Ist Sieroter Milan** 1984 Sep; 63(4):348-51

VETERINARY

Amino acid composition and characteristic indices of bovine seminal plasma in case of infection of semen by mycoplasmas. Ibrahim MA, et al. **Acta Vet Hung** 1984; 32(1-2):15-21

Efficacy of lasalocid sodium against mycoplasmas (preliminary communication). Stipkovits L, et al. **Acta Vet Hung** 1984;32(3-4):127-9

Mastitis in cows and polyarthritis and pneumonia in calves caused by Mycoplasma species bovine group 7. Alexander PG, et al. **Aust Vet J** 1985 Apr;62(4):135-6

Septicaemia and pneumonia in Mycoplasma capricolum infections of young goats [letter] Cordy DR. **Aust Vet J** 1984 Jun;61(6):201-2

Assessment of a complement fixation test to detect Mycoplasma hyopneumoniae infection in pigs. Lloyd LC, et al. **Aust Vet J** 1984 Jul;61(7):216-8

Demonstration of Mycoplasma gallisepticum in tracheas of healthy carrier chickens by fluorescent-antibody procedure and the significance of certain serologic tests in estimating antibody response. Benčina D, et al. **Avian Dis** 1984 Jul-Sep;28(3):574-8

Infectious sinusitis in turkeys at Ibadan, Nigeria. Fatunmbi OO. **Avian Dis** 1984 Jul-Sep;28(3):734-6

Mycoplasma gallisepticum vaccination: further studies on egg transmission and egg production. Glisson JR, et al. **Avian Dis** 1985 Apr-Jun;29(2):408-15

Vaccination of turkeys against air-sac infection with a temperature-sensitive mutant of Mycoplasma gallisepticum. Lam KM, et al. **Avian Dis** 1984 Oct-Dec; 28(4):1096-101

An epornitic of Mycoplasma gallisepticum in turkeys. Mason SJ, et al. **Avian Dis** 1984 Jul-Sep;28(3):751-7

An enzyme-linked immunosorbent assay for the detection of antibodies to Mycoplasma gallisepticum in experimentally infected chickens. Talkington FD, et al. **Avian Dis** 1985 Jan-Mar;29(1):53-70

Efficacy of experimental inactivated mycoplasma gallisepticum oil-emulsion bacterin in egg-layer chickens. Yoder HW Jr, et al. **Avian Dis** 1985 Apr-Jun;29(2):322-34

Gordon memorial lecture: people, poultry and pathogenic mycoplasmas. Jordan FT. **Br Poult Sci** 1985 Jan;26(1):1-15 (56 ref.)

Studies on Mycoplasma mycoides subsp. mycoides (LC) in lambs and calves. Truscott RB, et al. **Can J Comp Med** 1985 Apr;49(2):233-4

Isolation of Mycoplasma bovis from bulk milk. Kunkel JR. **Cornell Vet** 1985 Jul;75(3):398-400

Stimulation of immunoglobulin-containing cells and isotype-specific antibody response in experimental Mycoplasma hyopneumoniae infection in specific-pathogen-free pigs. Suter M, et al. **Infect Immun** 1985 Sep;49(3):615-20

Vaccination trials against Mycoplasma mycoides subsp. mycoides (large-colony-type) infection in goats. Bar-Moshe B, et al. **Isr J Med Sci** 1984 Oct;20(10):972-4

Effect of Mycoplasma iowae infection on the immune system of the young turkey. Bradbury JM. **Isr J Med Sci** 1984 Oct;20(10):985-8

Overview of mycoplasmoses in sheep and goats. Cottew GS. **Isr J Med Sci** 1984 Oct;20(10):962-4 (22 ref.)

Pathogenicity of Mycoplasma capricolum and Mycoplasma putrefaciens. DaMassa AJ, et al. **Isr J Med Sci** 1984 Oct; 20(10):975-8

Bacterins and vaccines for the control of Mycoplasma gallisepticum. Kleven SH, et al. **Isr J Med Sci** 1984 Oct; 20(10):989-91

Utilization of temperature-sensitive mutants of Mycoplasma gallisepticum to prevent air sac infections. Lam KM, et al. **Isr J Med Sci** 1984 Oct;20(10):992-4

Mycoplasma mycoides infections in ruminants: the current situation. MacOwan KJ. **Isr J Med Sci** 1984 Sep; 20(9):854-8

Role of mycoplasma strain F38 in contagious caprine pleuropneumonia. MacOwan KJ. **Isr J Med Sci** 1984 Oct; 20(10):979-81

Pathogenetic mechanisms of Mycoplasma mycoides subsp. mycoides septicemia in goats. Rosendal S. **Isr J Med Sci** 1984 Oct;20(10):970-1

Acridine orange staining for diagnosis of Mycoplasma bovis infection in cow milk. Jasper DE, et al. **J Clin Microbiol** 1984 Oct;20(4):624-5

Evaluation of serologic tests for Mycoplasma gallisepticum in wild turkeys. Rocke TE, et al. **J Wildl Dis** 1985 Jan; 21(1):58-61

Effect of Mycoplasma hyopneumoniae infection on the development of Haemophilus pleuropneumoniae pneumonia in pigs. Yagihashi T, et al. **Nippon Juigaku Zasshi** 1984 Oct;46(5):705-13

Experimental infection of goats with Mycoplasma capri and 'peste des petits ruminants' virus. Onoviran O, et al. **Rev Elev Med Vet Pays Trop** 1984;37(1):16-8

Comparison of virulence of ovine respiratory mycoplasmas in the mouse mammary gland. Buddle BM, et al. **Vet Microbiol** 1984 Aug;9(4):367-74

Experimental infection of sheep with Mycoplasma ovipneumoniae and Pasteurella haemolytica. Buddle BM, et al. **Vet Microbiol** 1984 Oct;9(6):543-8

Resistance of chickens immunized against Mycoplasma gallisepticum is mediated by bursal dependent lymphoid cells. Lam KM, et al. **Vet Microbiol** 1984 Sep;9(5):509-14

Exacerbation of murine respiratory mycoplasmosis in gnotobiotic F344/N rats by Sendai virus infection. Schoeb TR, et al. **Vet Pathol** 1985 May;22(3):272-82

Use of tiamulin in a herd of pigs seriously affected with Mycoplasma hyosynoviae arthritis. Burch DG, et al. **Vet Rec** 1984 Dec 8;115(23):594-5

Apparent reinfection of enzootic-pneumonia-free pig herds: early signs and incubation period. Goodwin RF. **Vet Rec** 1984 Sep 29;115(13):320-4

Mycoplasma hyosynoviae treatment in pigs [letter] Madeiros CA. **Vet Rec** 1984 Oct 27;115(17):446

Eradication of some infectious pig diseases by perinatal tiamulin treatment and early weaning. Mészáros J, et al. **Vet Rec** 1985 Jan 5;116(1):8-12

Isolation of Mycoplasma arginini from a goat in Malaysia [letter] Sheikh-Omar AR, et al. **Vet Rec** 1985 Mar 23; 116(12):330-1

Clinical uveitis and polyarthritis associated with Mycoplasma species in a young goat. Whitley RD, et al. **Vet Rec** 1984 Sep 1;115(9):217-8

Experimental intrauterine inoculation of pregnant ewes with ureaplasmas. Ball HJ, et al. **Vet Res Commun** 1985 Feb; 9(1):35-43

[Mycoplasma carrier state in the respiratory apparatus of sheep and lambs] Todorov D. **Vet Med Nauki** 1985; 22(2):21-6 (Eng. Abstr.) **(Bul)**

[Polyarthritis in piglets caused by Mycoplasma hyorhinis] Cromwijk WA, et al. **Tijdschr Diergeneeskd** 1985 Jun 15; 110(12):490 **(Dut)**

[Occurrence of Mycoplasma bovis in milk samples from cows from the northern part of Germany] Wienhus M, et al. **Berl Munch Tierarztl Wochenschr** 1984 Sep 1;97(9):311-3 (Eng. Abstr.) **(Ger)**

[Mycoplasma bovis isolation in the offspring of cows with M. bovis mastitis and its epizootiological significance] Pfützner H, et al. **Zentralbl Veterinarmed [B]** 1985 Apr; 32(4):265-79 (Eng. Abstr.) **(Ger)**

[Isolation of Mycoplasma canadense in the genital tract of a cow in North Germany] Roth B, et al. **Zentralbl Veterinarmed [B]** 1985 Mar;32(3):169-72 (Eng. Abstr.) **(Ger)**

[Serodiagnosis of Mycoplasma pulmonis infection in mice and rats by an enzyme-linked immunosorbent assay] Matsubara J, et al. **Jikken Dobutsu** 1985 Jan;34(1):49-55 (Eng. Abstr.) **(Jpn)**

MYCOPLASMA LAIDLAWII see **ACHOLEPLASMA LAIDLAWII**

MYCOPLASMA MYCOIDES

PATHOGENICITY

Studies on Mycoplasma mycoides subsp. mycoides (LC) in lambs and calves. Truscott RB, et al. **Can J Comp Med** 1985 Apr;49(2):233-4

PHYSIOLOGY

Effect of the caprine variant of Mycoplasma mycoides subsp mycoides on endothelium, monocytes, and complement of guinea pig, calf, sheep, and goat serum. Rosendal S. **Am J Vet Res** 1984 Nov;45(11):2396-402

MYCOPLASMA PNEUMONIA see **PNEUMONIA, MYCOPLASMA**

MYCOPLASMA PNEUMONIAE

Mycoplasma pneumoniae protein involved in the antibody response in human infection. Räisänen S, et al. **J Clin Pathol** 1984 Oct;37(10):1129-33

ANALYSIS

Detection of Mycoplasma pneumoniae adhesin (P1) in the nonhemadsorbing population of virulent Mycoplasma pneumoniae. Kahane I, et al. **Infect Immun** 1985 Aug; 49(2):457-8

IMMUNOLOGY

Cryptic I antigen activity and Mycoplasma pneumoniae-receptor activity associated with sialoglycoprotein GP-2 of bovine erythrocyte membranes. Feizi T, et al. **Biosci Rep** 1984 Sep;4(9):743-9

Adherence inhibition assay: a specific serological test for detection of antibodies to Mycoplasma pneumoniae. Jacobs E, et al. **Eur J Clin Microbiol** 1985 Apr;4(2):113-8

Interaction of Mycoplasma pneumoniae with erythrocyte glycolipids of I and i antigen types. Loomes LM, et al. **Infect Immun** 1985 Jan;47(1):15-20

Immunization against Mycoplasma pneumoniae disease: a review. Barile MF. **Isr J Med Sci** 1984 Oct;20(10):912-5 (30 ref.)

Effect of monoclonal antibodies to the attachment-tip on experimental Mycoplasma pneumoniae infection of hamsters. A preliminary report. Brunner H, et al. **Isr J Med Sci** 1984 Sep;20(9):878-81

Conservation of pathogenic mycoplasma antigens. Hu PC, et al. **Isr J Med Sci** 1984 Oct;20(10):916-9

Immunoblotting for determination of the antigenic specificities of antibodies to the Mycoplasmatales. Kenny GE, et al. **Isr J Med Sci** 1984 Oct;20(10):908-11

Serological cross-reactions between Mycoplasma genitalium and Mycoplasma pneumoniae. Lind K, et al. **J Clin Microbiol** 1984 Dec;20(6):1036-43

A micro-capture ELISA for detecting Mycoplasma pneumoniae IgM: comparison with indirect immunofluorescence and indirect ELISA. Wreghitt TG, et al. **J Hyg (Lond)** 1985 Apr;94(2):217-27

Determination of antibody to Mycoplasma pneumoniae by enzyme-linked immunosorbent assay I. Factors in the assay. Miyaji T. **Sci Rep Res Inst Tohoku Univ [Med]** 1984 Oct; 31(1-4):1-12

[Determination of serum Mycoplasma pneumoniae antibodies and an intradermal hypersensitive test with its antigen in chronic obstructive pulmonary disease] Shun JZ, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Mar;24(3):139-41, 189 (Eng. Abstr.) **(Chi)**

[Mycoplasma pneumoniae: prevalence of complement-fixing antibodies in a control group from an urban area] Cour MI, et al. **Rev Clin Esp** 1985 Apr;176(6):289-91 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Mycoplasma pneumoniae and Nocardia asteroides in lung biopsy tissue of an immunodeficient infant. Andersen RD, et al. **Diagn Microbiol Infect Dis** 1985 Mar;3(2):175-7

Laboratory diagnosis of mycoplasma infections. Senterfit LB. **Isr J Med Sci** 1984 Oct;20(10):905-7

[Considerations on atypical acute bronchopneumopathies] Pellerito RA, et al. **Minerva Med** 1984 Oct 13; 75(39):2309-12 (Eng. Abstr.) **(Ita)**

[Pleuropericarditis caused by Mycoplasma pneumoniae (letter)] López Vivancos J, et al. **Med Clin (Barc)** 1984 Nov 17;83(16):694 **(Spa)**

PATHOGENICITY

The changing pathogenicity of Mycoplasma pneumoniae with passage in vitro. Correlates of virulence. Collier AM, et al. **Diagn Microbiol Infect Dis** 1985 Jul;3(4):321-8 (28 ref.)

Human ciliated epithelial cells from nasal polyps as an experimental model for Mycoplasma pneumoniae infection. Almagor M, et al. **Infect Immun** 1985 May;48(2):552-5

In vitro models for host-parasite interactions involving mycoplasmas. Gabridge MG. **Isr J Med Sci** 1984 Oct; 20(10):920-3

Serological comparison of virulent and avirulent Mycoplasma pneumoniae by monoclonal antibodies. Hu PC, et al. **Isr J Med Sci** 1984 Sep;20(9):870-3

MYCOPLASMATALES

GENETICS

Mycoplasmal ribosomal RNA genes and their use as probes for detection and identification of Mollicutes. Razin S, et al. **Isr J Med Sci** 1984 Sep;20(9):758-61

MYCOPLASMATALES INFECTIONS

COMPLICATIONS

Ureaplasma-infected human sperm in infertile men. Grossgebauer K, et al. **Arch Androl** 1984;12 Suppl:35-41

[Experimental magnesium ammonium phosphate lithiasis induced by Ureaplasma in the rat] Texier J, et al. **Nephrologie** 1984;5(5):222-4 (Eng. Abstr.) **(Fre)**

[Clinical aspects of Chlamydia urethritis in men and the role of Ureaplasma] Dajek Z, et al. **Przegl Dermatol** 1984 Sep-Oct;71(5):463-70 (Eng. Abstr.) **(Pol)**

[Association of gonorrhea with Chlamydia and Mycoplasmataceae infections and their effect on the development of post-gonorrheal urethritis] Stapiński A, et al. **Przegl Dermatol** 1984 Sep-Oct;71(5):449-61 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Laboratory diagnosis of mycoplasma infections. Senterfit LB. **Isr J Med Sci** 1984 Oct;20(10):905-7

Diagnosis of genital Mycoplasma and Ureaplasma infections. Friberg J. **J Reprod Med** 1985 Mar;30(3 Suppl):258-61

Human mycoplasmal infections: serologic observations. Lin JS. **Rev Infect Dis** 1985 Mar-Apr;7(2):216-31 (85 ref.)

Cystitis with ureteral reflux caused by ureaplasma urealyticum. Scott D, et al. **Urology** 1985 Feb;25(2):171-3

DRUG THERAPY

[Treatment of non-gonococcal urethritis in men with cyclic erythromycin carbonate (Davercin)] Mroczkowski TF, et al. **Przegl Dermatol** 1984 Jul-Aug;71(4):383-8 (Eng. Abstr.) **(Pol)**

[Spectinomycin in the treatment of complications of gonorrhea in men] Stapiński A, et al. **Przegl Dermatol** 1984 Sep-Oct;71(5):477-82 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Prevalence of Chlamydia trachomatis and genital mycoplasmas in asymptomatic women. Embil JA, et al. **Can Med Assoc J** 1985 Jul 1;133(1):34-5

[Epidemiology of non-gonococcal urethritis in the light of our observations] Stapiński A, et al. **Przegl Dermatol** 1985 Jan-Feb;72(1):43-50 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[A study on Ureaplasma urealyticum and sperm. Comparison of sperm morphology before and after chemotherapy] Okada H, et al. **Hinyokika Kiyo** 1984 Oct;30(10):1433-8 (Eng. Abstr.) **(Jpn)**

VETERINARY

Animal ureaplasmas: their ecological niche and role in disease. Howard CJ. **Isr J Med Sci** 1984 Oct;20(10):954-7 (31 ref.)

Effect of experimental infection with ovine ureaplasma upon the development of uroliths in feedlot lambs. Livingston CW Jr, et al. **Isr J Med Sci** 1984 Oct;20(10):958-61

The physical appearance of the vulva in ureaplasma infected ewes. McCaughey WJ, et al. **Vet Res Commun** 1985 Apr;9(2):123-5

MYCOSES

Fungal sinusitis in healthy and immunocompromised individuals. Morgan MA, et al. **Am J Clin Pathol** 1984 Nov;82(5):597-601

Tenckhoff catheter obstruction resulting from invasion by Curvularia lunata in the absence of peritonitis. DeVault GA Jr, et al. **Am J Kidney Dis** 1985 Aug;6(2):124-7

The effects of intravenous miconazole on fungal keratitis. Ishibashi Y, et al. **Am J Ophthalmol** 1984 Oct 15;98(4):433-7

Mycotic endophthalmitis caused by Penicillium sp. after parenteral drug abuse. Swan SK, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):408-10

Frontal sinusitis caused by Myriodontium keratinophilum. Maran AG, et al. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):207

Mycobacterial, fungal, actinomycotic, and nocardial infections of the pleura. George RB, et al. **Clin Chest Med** 1985 Mar;6(1):63-75

Fungal infections in the immunocompromised host. Hawkins C, et al. **Clin Haematol** 1984 Oct;13(3):599-630 (141 ref.)

Mycotic diseases. A proposed nomenclature. McGinnis MR, et al. **Int J Dermatol** 1985 Jan-Feb;24(1):9-15

Fatal fungemia with arthritic involvement caused by Trichosporon beigelii in a bone marrow transplant recipient [letter] Gardella S, et al. **J Infect Dis** 1985 Mar;151(3):566

Bovine mycotic abortion in Denmark. Krogh HV. **Nord Vet Med** 1985 Jan-Feb;37(1):27-33

Ocular involvement in patients with fungal infeotions. McDonnell PJ, et al. **Ophthalmology** 1985 May;92(5):706-9

Opportunistic fungal infections in children. Krasinski K. **Pediatr Ann** 1984 Sep;13(9):695-6, 698-700, 702 (15 ref.)

Fungal peritonitis in children undergoing peritoneal dialysis. Oh SH, et al. **Pediatr Infect Dis** 1985 Jan-Feb;4(1):62-6

Infections caused by Drechslera species: case report and review of the literature. Rolston KV, et al. **Rev Infect Dis** 1985 Jul-Aug;7(4):525-9 (15 ref.)

Soft tissue abscess caused by Torulopsis glabrata and Lactobacillus. Hosford DA, et al. **South Med J** 1985 Aug;78(8):1017

Torulopsis glabrata fungal cystitis. Siminovitch JM, et al. **Urology** 1984 Oct;24(4):343-4

[Mycoses of the female genitalia] Mendl V. **Cesk Gynekol** 1984 Dec;49(10):743-6 (76 ref.) **(Cze)**

[Mycoses of the paranasal sinuses] Otčenášek M, et al. **Cesk Otolaryngol** 1984 Nov;33(6):343-9 (Eng. Abstr.) **(Cze)**

[Otomycosis] Ben Rejeb A, et al. **Tunis Med** 1984 Sep;62(5):381-4 (Eng. Abstr.) **(Fre)**

[Mycoses of the orbit and the eye] Renovanz HD. **Wien Med Wochenschr** 1985 Feb 28;135(4):81-4 **(Ger)**

[Tonsillitis caused by Torulopsis glabrata (letter)] Knobel H, et al. **Med Clin (Barc)** 1984 Jun 23;83(4):176-7 **(Spa)**

[Abstracts: 15th National Congress of Microbiology, Mexican Association of Microbiology. Veracruz, 3-7 June 1984] **Rev Latinoam Microbiol** 1984 Apr-Jun;26(2):89-188 **(Spa)**

BLOOD

Broviac catheter-related Malassezia furfur sepsis in five infants receiving intravenous fat emulsions. Powell DA, et al. **J Pediatr** 1984 Dec;105(6):987-90

COMPLICATIONS

Chronic granulomatous disease and Torulopsis infections [letter] Orson JM, et al. **Am J Dis Child** 1985 Jun;139(6):545

Allergic alveolitis in workers exposed to moulds. Kolmodin-Hedman B, et al. **Arh Hig Rada Toksikol** 1983 Dec;34(4):351-5

Beauvaria bassiana keratitis. Sachs SW, et al. **Br J Ophthalmol** 1985 Jul;69(7):548-50

Paecilomyces varioti pneumonia complicating hairy cell leukaemia. Dharmasena FM, et al. **Br Med J [Clin Res]** 1985 Mar 30;290(6473):967-8

Susceptibility of fungi in mouthrinse specimens from patients with haematological malignancies. Kostiala AA, et al. **J Med Microbiol** 1984 Oct;18(2):249-54

Didymella exitialis and late summer asthma. Harries MG, et al. **Lancet** 1985 May 11;1(8437):1063-6

Systemic pseudallescheriasis in a patient with acute myelocytic leukemia. Smith AG, et al. **Mycopathologia** 1985 May;90(2):85-9

Acremonium kiliense osteomyelitis of the calvarium. Brabender W, et al. **Neurosurgery** 1985 Apr;16(4):554-6

Systemic tinea versicolor, or how far can furfur go? Prober CG, et al. **Pediatr Infect Dis** 1984 Nov-Dec;3(6):592

[Treatment of corneal ulcers caused by Fusarium infection] Travkin AG, et al. **Vestn Oftalmol** 1984 Nov-Dec;(6):52-3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

C-reactive protein for detection and follow-up of bacterial and fungal infections in severely neutropenic patients with acute leukaemia. Timonen TT, et al. **Eur J Cancer Clin Oncol** 1985 May;21(5):557-62

Fungal serology in the elderly. Rudensky B, et al. **Gerontology** 1984;30(6):393-6

Prevalence of mycotic infections of external eye. Mohanty PK, et al. **Indian J Ophthalmol** 1984 May-Jun;32(3):153-5

White piedra. A frequently misdiagnosed infection of hair. Gold I, et al. **Int J Dermatol** 1984 Nov;23(9):621-3

Mycotic conjunctivitis: an overview. Thalasselis A, et al. **J Am Optom Assoc** 1985 Jun;56(6):498-500

Controlled evaluation of supplemented peptone and Bactec blood culture broths for the detection of bacteremia and fungemia. Reimer LG, et al. **J Clin Microbiol** 1985 Apr;21(4):531-4

Evaluation of a lysis direct plating method for pediatric blood cultures. Welch DF, et al. **J Clin Microbiol** 1985 Jun;21(6):955-8

Role of the latex agglutination test for cryptococcal antigen in diagnosing disseminated infections with Trichosporon beigelii. McManus EJ, et al. **J Infect Dis** 1985 Jun;151(6):1167-9

Antemortem diagnosis of disseminated fungal infection [letter] Gregory MC, et al. **N Engl J Med** 1985 Jan 10;312(2):124

Disseminated infection with Trichosporon beigelii. El-Ani AS, et al. **NY State J Med** 1984 Sep;84(9):457-8

Opportunistic fungal infections in children. Krasinski K. **Pediatr Ann** 1984 Sep;13(9):695-6, 698-700, 702 (15 ref.)

[Laryngitis in newborn infants. Apropos of 3 cases] Contencin P, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(5):333-6 (Eng. Abstr.) **(Fre)**

[Fungal mycotic aneurysms and multiple cerebral abscesses caused by Scedosporium apiospermum. Apropos of a case with review of the literature] Baudrillard JC, et al. **J Radiol** 1985 Apr;66(4):321-6 (Eng. Abstr.) **(Fre)**

[Otomycosis: etiology and analysis of predisposing factors] Oliveri S, et al. **Boll Ist Sieroter Milan** 1984;63(6):537-42 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Effective systemic antifungal agents. Lefrock JL, et al. **Am Fam Physician** 1984 Dec;30(6):162-7

Contraindication of ketoconazole in pregnancy [letter] McGregor JA, et al. **Am J Obstet Gynecol** 1984 Nov 15;150(6):793-4

Topical ketoconazole for fungal keratitis. Torres MA, et al. **Am J Ophthalmol** 1985 Aug 15;100(2):293-8

Ketoconazole and resistant Blastocystis hominis infection [letter] Cohen AN. **Ann Intern Med** 1985 Sep;103(3):480-1

Empirical antibacterial therapy in febrile, granulocytopenic bone marrow transplant patients. Peterson PK, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):136-8

Double-blind investigation of R-42470 (terconazole cream 0.4%) and clotrimazole (cream 1%) for the topical treatment of mycotic vaginitis. Del Palacio-Hernanz A, et al. **Chemioterapia** 1984 Jun;3(3):192-5

White piedra--a case report and review of the literature. Steinman HK, et al. **Clin Exp Dermatol** 1984 Nov;9(6):591-8

Fungal infection of the ear. Etiology and therapy with bifonazole cream or solution. Falser N. **Dermatologica** 1984;169 Suppl 1:135-40

Empiric antimicrobial therapy in cancer patients. Browne MT, et al. **Hamatol Bluttransfus** 1985;29:112-8

Liposomal amphotericin B for the treatment of systemic fungal infections in patients with cancer: a preliminary study. Lopez-Berestein G, et al. **J Infect Dis** 1985 Apr;151(4):704-10

Drug therapy of systemic fungal infections, Part II. Gross M. **NC Med J** 1984 Sep;45(9):551-3

Ketoconazole: an orally effective antifungal agent. Mechanism of action, pharmacology, clinical efficacy and adverse effects. Smith EB, et al. **Pharmacotherapy** 1984 Jul-Aug;4(4):199-204 (64 ref.)

Ketoconazole. Mechanism of action, spectrum of activity, pharmacokinetics, drug interactions, adverse reactions and therapeutic use. Van Tyle JH. **Pharmacotherapy** 1984 Nov-Dec;4(6):343-73 (149 ref.)

Antimycotic therapy of experimental infections caused by dematiaceous fungi. Polak A. **Sabouraudia** 1984;22(4):279-89

[Successful treatment of exogenous fungal endophthalmitis with amphotericin B] Chen J. **Chung Hua Yen Ko Tsa Chih** 1985 Jan;21(1):59-60 **(Chi)**

[Ketoconazole (Nizoral)--potent oral antimycotic drug. What should one know about its side effects?] Arnold E. **Fortschr Med** 1984 Sep 6;102(33):66-7 **(Ger)**

[Antimycotic chemotherapy in weakened resistance] Wegmann T. **Immun Infekt** 1984 Aug;12(4):181-5 (Eng. Abstr.) **(Ger)**

[Comparative study of an orally and a locally administered antifungal agent in vaginal mycoses] Farkas B, et al. **Mykosen** 1984 Nov;27(11):554-61 (Eng. Abstr.) **(Ger)**

[Antimycotic effect of nifuratel: in vitro studies and clinical trial] Freiesleben H, et al. **Mykosen** 1984 Dec;27(12):599, 602-4, 607 (Eng. Abstr.) **(Ger)**

[Therapeutic evaluation of combination therapy with IG-100, pH4-treated human immunoglobulin preparation for i.v. administration, and antibiotics against severe infections. The Society for Clinical Investigation on IG-100] Matsumoto K, et al. **Kansenshogaku Zasshi** 1984 Oct;58(10):1001-24 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of 1% clotrimazole ointment in the treatment of corneal mycoses] Swietliczkowa I, et al. **Klin Oczna** 1984 May;86(5):221-3 (Eng. Abstr.) **(Pol)**

[Effect of Tavegyl (Polfa) on microorganisms detected in otocenosis during in vivo studies] Kurnatowski P, et al. **Otolaryngol Pol** 1984;38(3):219-24 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Torulopsis glabrata peritonitis complicating continuous ambulatory peritoneal dialysis: successful management with oral 5-fluorocytosine. Cecchin E, et al. **Am J Kidney Dis** 1984 Nov;4(3):280-4

Wangiella dermatitidis endocarditis in an intravenous drug user. Vartian CV, et al. **Am J Med** 1985 Apr;78(4):703-7

Fungal peritonitis in patients on peritoneal dialysis: incidence, clinical features and prognosis. Johnson RJ, et al. **Am J Nephrol** 1985;5(3):169-75

Infections in diabetes with special reference to diabetics in Singapore. Cheah JS, et al. **Ann Acad Med Singapore** 1985 Apr;14(2):240-6 (60 ref.)

Septic complications of corticosteroid administration after central nervous system trauma. DeMaria EJ, et al. **Ann Surg** 1985 Aug;202(2):248-52

'Golden tongue' syndrome caused by Ramichloridium schulzeri. Rippon JW, et al. **Arch Dermatol** 1985 Jul;121(7):892-4

Fungal splenic abscess. Johnson JD, et al. **Arch Intern Med** 1984 Oct;144(10):1987-93

Systemic infection with Trichosporon capitatum in two patients with acute leukaemia. Baird DR, et al. **Eur J Clin Microbiol** 1985 Feb;4(1):62-4

Systemic Malassezia furfur infections in patients receiving intralipid therapy. Redline RW, et al. **Hum Pathol** 1985 Aug;16(8):815-22

Fungal peritonitis caused by Lecythophora mutabilis. Ahmad S, et al. **J Clin Microbiol** 1985 Aug;22(2):182-6

Catheter-associated fungemia caused by Fusarium chlamydosporum in a patient with lymphocytic lymphoma.

Kiehn TE, et al. **J Clin Microbiol** 1985 Apr;21(4):501–4

Systemic sepsis and intravenous devices. A prospective survey. Collignon PJ, et al. **Med J Aust** 1984 Sep 15; 141(6):345–8

Soft corneal lens infection [letter] Walker TD. **Med J Aust** 1985 Aug 19;143(4):174

Infectious disease complications of acute leukemia. Pathogenesis, therapy, and prevention. Peterson PK. **Minn Med** 1985 Jan;68(1):25–7, 22

Chemotherapy and/or removal of the peritoneal catheter in the management of fungal peritonitis complicating CAPD? [letter] Cecchin E, et al. **Nephron** 1985;40(2):251–2

Infection and bone marrow transplantation. Vianna NJ. **NY State J Med** 1984 Sep;84(9):433–4

Pseudallescheria boydii (Petriellidium boydii) infection of the orbit. Nunery WR, et al. **Ophthalmic Surg** 1985 May; 16(5):296–300

Disseminated Trichosporon beigelii in an immunocompromised child. Apaliski SJ, et al. **Pediatr Infect Dis** 1984 Sep–Oct;3(5):451–4

Saccharomyces cerevisiae infections in man. Eng RH, et al. **Sabouraudia** 1984;22(5):403–7

Subcutaneous phaeohyphomycosis caused by Cladosporium devriesii, sp. nov. Gonzalez MS, et al. **Sabouraudia** 1984; 22(5):427–32

Subcutaneous phaeohyphomycosis caused by Exophiala spinifera. Padhye AA, et al. **Sabouraudia** 1984; 22(6):493–500

Infective complications of prolonged central venous (Hickman) catheterization. Hendrick AM, et al. **South Med J** 1985 Jun;78(6):639–42

Central venous catheter sepsis. Bozzetti F. **Surg Gynecol Obstet** 1985 Sep;161(3):293–301 (152 ref.)

Multiple fungal aneurysms: report of a rare case implicating steroid as predisposing factor. Kikuchi K, et al. **Surg Neurol** 1985 Sep;24(3):253–9

[Deep mycoses in leukemias and malignant lymphomas] Donhuijsen K, et al. **Dtsch Med Wochenschr** 1985 Jun 7; 110(23):903–7 (Eng. Abstr.) **(Ger)**

[Mycotic thrombosis as a rare complication of Shaw's central silastic catheter in long–term parenteral feeding in a premature infant] Haim M, et al. **Padiatr Padol** 1985; 20(3):275–82 (Eng. Abstr.) **(Ger)**

[Blindness–inducing infections in drug addicts] Radnót M. **Morphol Igazsagugyi Orv Sz** 1984 Jul;24(3):218–9 **(Hun)**

[The causes of death in severe hematologic disorders. Increasing fatal fungal infection in hematologic malignancies] Kawano F, et al. **Rinsho Ketsueki** 1984 Jul; 25(7):1065–72 (Eng. Abstr.) **(Jpn)**

[Fusarium infection during the first remission induction therapy in a patient with acute lymphocytic leukemia] Ohnishi M, et al. **Rinsho Ketsueki** 1985 Mar;26(3):442–7 (Eng. Abstr.) **(Jpn)**

[Fungal endocarditis in patients with heart valve prosthesis] Kolesnikova NI. **Kardiologiia** 1984 Jul;24(7):109–11 (20 ref.) **(Rus)**

[Infectious complications during the treatment of rheumatic diseases with glucocorticoids] Novikov IuI, et al. **Revmatologiia (Mosk)** 1984 Jul–Sep;(3):45–51 **(Rus)**

[Rose–colored grain and fusariosis] Boltianskaia EV, et al. **Vopr Pitan** 1985 Mar–Apr;(2):18–22 (43 ref.) **(Rus)**

[Bacteremia caused by intravascular percutaneous cannulas] Martínez–Luengas F, et al. **Med Clin (Barc)** 1985 May 11; 84(18):734–7 (Eng. Abstr.) **(Spa)**

HISTORY

Mycotoxins and the Bible. Schoental R. **Perspect Biol Med** 1984 Autumn;28(1):117–20

IMMUNOLOGY

A case of invasive penicilliosis in Hong Kong with immunologic evaluation. So SY, et al. **Am Rev Respir Dis** 1985 Apr;131(4):662–5

Effect of ketoconazole on the in–vitro lymphocyte transformation response to mitogen stimulation [letter] Manzella JP, et al. **J Antimicrob Chemother** 1984 Dec; 14(6):669–70

Detection of a Trichosporon beigelii antigen cross–reactive with Cryptococcus neoformans capsular polysaccharide in serum from a patient with disseminated Trichosporon infection. McManus EJ, et al. **J Clin Microbiol** 1985 May; 21(5):681–5

Cryptococcal latex antigen test positive in patient with Trichosporon beigelii infection [letter] Campbell CK, et al. **Lancet** 1985 Jul 6;2(8445):43–4

MICROBIOLOGY

Progressive disseminated penicilliosis caused by Penicillium marneffei. Report of eight cases and differentiation of the causative organism from Histoplasma capsulatum. Deng ZL, et al. **Am J Clin Pathol** 1985 Sep;84(3):323–7

Invasive Fusarium infections in bone marrow transplant recipients. Blazar BR, et al. **Am J Med** 1984 Oct; 77(4):645–51

Pulmonary, cardiac, and thyroid involvement in disseminated Pseudallescheria boydii [letter] de Ment SH, et al. **Arch Pathol Lab Med** 1984 Nov;108(11):859–61

New stain for fungi and basement membrane. Tseng CH. **Arch Pathol Lab Med** 1985 Feb;109(2):196–8

A plea for the preservation of opportunistic fungal isolates. de Hoog GS, et al. **Diagn Microbiol Infect Dis** 1985 Sep; 3(5):369–72

Detection of bacteremia and fungemia: microscopic examination of peripheral blood smears. Graham BS. **Infect Control** 1984 Sep;5(9):448–52

Infection of the olecranon bursa by Anthopsis deltoidea. Kwon–Chung KJ, et al. **J Clin Microbiol** 1984 Aug; 20(2):271–3

Otomycosis—a continuing problem. Mugliston T, et al. **J Laryngol Otol** 1985 Apr;99(4):327–33

Buffy coat smears of blood drawn through central venous catheters as an aid to rapid diagnosis of systemic fungal infections. Ascuitto RJ, et al. **J Pediatr** 1985 Mar; 106(3):445–7

Clinical significance of Pseudallescheria boydii: a review of 10 years' experience. Travis LB, et al. **Mayo Clin Proc** 1985 Aug;60(8):531–7 (60 ref.)

An animal model of Curvularia geniculata and its relationship with human disease. Alture–Werber E, et al. **Mycopathologia** 1985 Feb;89(2):69–73

Trichosporon beigelii: survey of isolates from clinical material. Pritchard RC, et al. **Pathology** 1985 Jan; 17(1):20–23

Muscle invasion by Basidiobolus haptosporus. Kamalam A, et al. **Sabouraudia** 1984;22(4):273–7

[Torulopsis in gynecology] Mendling W. **Geburtshilfe Frauenheilkd** 1984 Sep;44(9):583–6 (Eng. Abstr.) **(Ger)**

[A study on urinary fungal infection] Takeuchi H, et al. **Hinyokika Kiyo** 1983 Oct;29(10):1273–7 (Eng. Abstr.) **(Jpn)**

[Nail mycoses of opportunistic type] Zaror L, et al. **Rev Clin Esp** 1984 Jun 15–30;173(5–6):315–6 **(Spa)**

OCCURRENCE

Breast–milk antimicrobial factors of rural Gambian mothers. II. Influence of season and prevalence of infection. Prentice A, et al. **Acta Paediatr Scand** 1984 Nov;73(6):803–9

A study on the association of fungi in human corneal ulcers and their therapy. Shukla PK, et al. **Mykosen** 1984 Aug; 27(8):385–90

Incidence of clinical infections in a defined population of pregnant women. Sever JL, et al. **Prog Clin Biol Res** 1985; 163B:317–26

[Incidence of mycoses and parasitic diseases in female genital infections. Existence of a correlation with hormonal status. Demonstration of seasonal changes] Debout C. **Arch Anat Cytol Pathol** 1985;33(3):155–8 (Eng. Abstr.) **(Fre)**

[Bacterial and mycotic ulcers in the Third World] Verin P, et al. **Bull Soc Ophtalmol Fr** 1984 Jun–Jul;84(6–7):777–8 **(Fre)**

[First case of rhinoentomophthoromycosis observed in the People's Republic of the Congo (Congo Brazzaville)] Winter C, et al. **Bull Soc Pathol Exot Filiales** 1984 May–Jun;77(3):377–84 (Eng. Abstr.) **(Fre)**

[Antepartal vaginal yeast contamination today] Mendling W, et al. **Mykosen** 1984 Nov;27(11):573–8 (Eng. Abstr.) **(Ger)**

[Trichomoniasis of the urogenital tract in patients hospitalized in 1976–1983] Szarmach H, et al. **Z Hautkr** 1985 Feb 1;60(3):261–4, 269 (Eng. Abstr.) **(Ger)**

[A comparative study of deep mycoses in Japan] Sano F. **Kansenshogaku Zasshi** 1985 Apr;59(4):325–41 (Eng. Abstr.) **(Jpn)**

[Course of otomycosis in the Republic of Bangladesh] Alam MSh. **Vestn Otorinolaringol** 1985 May–Jun;(3):86–8 **(Rus)**

[Fungemia 1973–1983. Epidemiologic study] Capell Font S, et al. **Med Clin (Barc)** 1985 Apr 20;84(15):600–5 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Disseminated fungal infection. A review of 20 autopsy cases. Abe F, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1201–8

Isolated cerebral phycomycosis presenting as focal encephalitis. Watson DF, et al. **Arch Neurol** 1985 Sep; 42(9):922–3

Disseminated Curvularia infection. de la Monte SM, et al. **Arch Pathol Lab Med** 1985 Sep;109(9):872–4

Candida glabrata (syn. Torulopsis glabrata) associated with a chronic hyperplastic lesion of the palate. Price JD, et al. **Br J Oral Maxillofac Surg** 1985 Feb;23(1):60–6

Cardiac fungal infections: review of autopsy findings in 60 patients. Atkinson JB, et al. **Hum Pathol** 1984 Oct; 15(10):935–42

Cerebral mycosis: clinico–pathological report of four cases observed in fifteen months. Bettoni L, et al. **Ital J Neurol Sci** 1984 Dec;5(4):437–43

Rhino–orbital zygomycosis. Ellis CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):455–8

Case report: prosthetic valve endocarditis caused by Pseudallescheria boydii and Clostridium limosum. Gordon G, et al. **Mycopathologia** 1985 Mar;89(3):129–34

Tissue responses against Cladosporium trichoides and its parasitic forms in congenitally athymic nude mice and their heterozygous littermates. Nishimura K, et al. **Mycopathologia** 1985 Apr;90(1):21–8

What's new in mycotic bone and joint diseases? Schwarz J. **Pathol Res Pract** 1984 Jul;178(6):617–34

Cerebral cladosporiosis. Küllü S, et al. **Surg Neurol** 1985 Oct; 24(4):437–40

[Disseminated mycosis. A report of 14 autopsied cases] Jia TH, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Jan;24(1):23–4, 62 (Eng. Abstr.) **(Chi)**

[Mycoses and asthenomycoses] Vanbreuseghem R. **Rev Med Brux** 1984 Jun;5(6):413–5 (Eng. Abstr.) **(Fre)**

[Mucous membrane changes in the anterior ethmoid bone in chronic sinusitis and mycoses of the paranasal sinuses. An endoscopy, light and electron microscopy study. 2. Electron microscopy findings] Stammberger H. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):113–7 (Eng. Abstr.) **(Ger)**

[Mucous membrane changes in the anterior ethmoid bone in chronic sinusitis and mycoses of the paranasal sinuses. An endoscopy, light and electron microscopy study. 1. Endoscopy and light microscopy findings] Stammberger H. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):107–12 **(Ger)**

PREVENTION & CONTROL

Prophylactic use of antibiotics in pancreatic sepsis: a 25–year reappraisal. Trudel JL, et al. **Can J Surg** 1984 Nov; 27(6):567–70

Oral ketoconazole and amphotericin B for the prevention of yeast colonization in patients with acute leukaemia [letter] Looker DN. **J Hosp Infect** 1984 Dec;5(4):459

Oral ketoconazole and amphotericin B for the prevention of yeast colonization in patients with acute leukaemia [letter] Pollock AV, et al. **J Hosp Infect** 1984 Sep; 5(3):340–1

Ketoconazole prophylaxis in patients with solid tumours receiving aggressive immunosuppressive therapy. An open randomized comparison between 200 mg/d and 400 mg/d doses. Scrimgeour E, et al. **S Afr Med J** 1985 Jun 29; 67(26):1044–5

[Ketoconazole in the prevention of mycotic complications during cytostatic treatment of leukemias and lymphomas] Krčová V, et al. **Vnitr Lek** 1985 Jun;31(6):567–71 (Eng. Abstr.) **(Cze)**

[Preventive measures for the control of fungal infections in the clinic] Seeliger HP, et al. **Immun Infekt** 1984 Jun; 12(3):143–50 (54 ref.) (Eng. Abstr.) **(Ger)**

[Prevention of mycoses caused by yeasts] Seeliger HP. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Feb; 180(2–3):155–64 (Eng. Abstr.) **(Ger)**

[Preventive mycological examination of women in a textile mill] Blahová M, et al. **Bratisl Lek Listy** 1984 Aug; 82(2):1021–5 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Evaluation of spinal infections by plain radiographs, computed tomography, intrathecal metrizamide, and CT–guided biopsy. McGahan JP, et al. **Diagn Imag Clin Med** 1985;54(1):11–20

Value of CT scanning in the diagnosis of CNS mycotic involvement: report of 3 cases. Radaelli F, et al. **Ital J Neurol Sci** 1984 Dec;5(4):451–5

[Fungal infection of nasal and paranasal cavity] Suenaga T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep; 87(9):1082–8 (Eng. Abstr.) **(Jpn)**

SURGERY

Penetrating keratoplasty for exogenous Paecilomyces keratitis followed by postoperative endophthalmitis. Kozarsky AM, et al. **Am J Ophthalmol** 1984 Nov; 98(5):552–7

Surgical management of peripheral fungal keratitis (keratomycosis). Sanitato JJ, et al. **Arch Ophthalmol** 1984 Oct;102(10):1506–9

Surgical treatment for fungal infections in the central nervous system. Young RF, et al. **J Neurosurg** 1985 Sep; 63(3):371–81

[Keratomycosis and keratoplasty] Goichot–Bonnat L, et al. **J Fr Ophtalmol** 1984;7(12):775–80 (Eng. Abstr.) **(Fre)**

[Septic endocarditis in cardiosurgical clinical practice] Solov'ev GM, et al. **Kardiologiia** 1984 Jul;24(7):14–9 (Eng. Abstr.) **(Rus)**

THERAPY

Fungal peritonitis and peritoneal catheters [letter] Fleisher AG, et al. **Ann Intern Med** 1985 Jan;102(1):138

Fungus corneal ulcer [letter] Joseph M. **Arch Ophthalmol** 1984 Nov;102(11):1583

Fungal endophthalmitis in narcotic abusers. Medical and surgical therapy in 10 patients. Gallo J, et al. **Med J Aust** 1985 Apr 1;142(7):386–8

[Treatment of infection in patients with malignant diseases] Lumio J. **Nord Med** 1985;100(2):37–40 (Eng. Abstr.) **(Swe)**

TRANSMISSION

Unusual nosocomial infections. Neu HC. **DM** 1984 Oct; 30(13):1–68 (159 ref.)

VETERINARY

Antifungal sensitivity testing for equine keratomycosis. Coad CT, et al. **Am J Vet Res** 1985 Mar;46(3):676–8

Zygomycosis in the duck. McCaskey PC, et al. **Avian Dis** 1984 Jul–Sep;28(3):791–8

Surgical and medical management of rhinophycomycosis (conidiobolomycosis) in a horse. French DD, et al.

J Am Vet Med Assoc 1985 May 15;186(10):1105-7
Therapeutic strategies involving antimicrobial treatment of the upper respiratory tract in small animals. Harvey CE. **J Am Vet Med Assoc** 1984 Nov 15;185(10):1159-61 (24 ref.)
Gastrointestinal phycomycosis in 63 dogs. Miller RI. **J Am Vet Med Assoc** 1985 Mar 1;186(5):473-8
Strategies for treatment of bone and joint infections in large animals. Orsini JA. **J Am Vet Med Assoc** 1984 Nov 15; 185(10):1190-3 (19 ref.)
Mycotic keratitis in a dog: concurrent Aspergillus sp and Curvularia sp infections. Qualls CW Jr, et al. **J Am Vet Med Assoc** 1985 May 1;186(9):975-6
Parasites, diseases, and health status of sympatric populations of fallow deer and white-tailed deer in Kentucky. Davidson WR, et al. **J Wildl Dis** 1985 Apr;21(2):153-9
Infection of Exophiala salmonis in Atlantic salmon (Salmo salar L.). Otis EJ, et al. **J Wildl Dis** 1985 Jan;21(1):61-4
Mycotic otitis externa in animals. Kuttin ES, et al. **Mykosen** 1985 Feb;28(2):61-8
Phaeosclera dematioides, a new etiologic agent of phaeohyphomycosis in cattle. McGinnis MR, et al. **Sabouraudia** 1985 Apr;23(2):133-5
Infectious diseases of nondomestic cats. Quesenberry KE. **Vet Clin North Am [Small Anim Pract]** 1984 Sep; 14(5):1089-106 (85 ref.)
Subcutaneous phaeohyphomycosis caused by Moniliella suaveolens in two cats. McKenzie RA, et al. **Vet Pathol** 1984 Nov;21(6):582-6
The occurrence of and organisms concerned with bovine mycotic abortion in some counties of Ireland. Sheridan JJ, et al. **Vet Res Commun** 1985 Jul;9(3):221-6
[Pathomorphology of stachybotryotoxicosis in calves during the nursing period] Dzhurov A, et al. **Vet Med Nauki** 1984; 21(7-8):49-56 (Eng. Abstr.) **(Bul)**
[1st observations of the pathogenicity of Ichthyophonus in birds. 2 cases of natural infection] Chauvier G, et al. **Ann Parasitol Hum Comp** 1984;59(4):427-31 (Eng. Abstr.) **(Fre)**

MYCOSIS FUNGOIDES

Mycosis fungoides. Sterry W. **Curr Top Pathol** 1985; 74:167-223 (288 ref.)

BLOOD

Normal peripheral-blood lymphocyte cAMP and cGMP resting levels in untreated patients with mycosis fungoides. Aleksijevic A, et al. **Arch Dermatol Res** 1985;277(2):143-5

CHEMICALLY INDUCED

Mycosis fungoides-like lesions associated with phenytoin therapy. Wolf R, et al. **Arch Dermatol** 1985 Sep; 121(9):1181-2
Conjunctival involvement with mycosis fungoides in a patient receiving PUVA therapy. O'Day J, et al. **Ophthalmology** 1985 Jan;92(1):109-13

COMPLICATIONS

Lymphomatoid papulosis associated with plaque-stage and granulomatous mycosis fungoides. Kardashian JL, et al. **Arch Dermatol** 1985 Sep;121(9):1175-80
Coexistence of pemphigus foliaceus and mycosis fungoides. Sarnoff DS, et al. **Arch Dermatol** 1985 May;121(5):669-72
Sclerodactyly in a patient with mycosis fungoides. Wei N, et al. **Arch Intern Med** 1985 Jan;145(1):139-40
Malignant melanoma associated with mycosis fungoides. Flindt-Hansen H, et al. **Dermatologica** 1984;169(4):167-8
Mycosis fungoides with monoclonal gammopathy, hypereosinophilia, and hyper-IgE. Palermo A, et al. **Dermatologica** 1984;169(4):194-6
Mycosis fungoides in an epidermoid cyst. Slater DN, et al. **Histopathology** 1985 Jun;9(6):659-62
Mycosis fungoides and Hodgkin's disease. Clement M, et al. **J R Soc Med** 1984 Dec;77(12):1037-9
Mycosis fungoides associated with acanthosis nigricans. Neill SM, et al. **J R Soc Med** 1985 Jan;78(1):79-81
[Poikilodermatic type of large plaque parapsoriasis] Wätzig V, et al. **Dermatol Monatsschr** 1985;171(3):196-200 (Eng. Abstr.) **(Ger)**
[A comparative study of idiopathic mucinosis follicularis and a symptomatic type associated with mycosis fungoides--with an observation on T cell subsets] Sudo S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 May; 94(6):681-94 **(Jpn)**
[Necrosis of the bone marrow in Staphylococcus epidermis sepsis] Ortega González G, et al. **Rev Clin Esp** 1985 May; 176(9):473-5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Mycosis fungoides. Unsolved problems of diagnosis and choice of therapy. McFadden NC. **Int J Dermatol** 1984 Oct;23(8):523-30 (56 ref.)
Woringer-Kolopp disease. A form of mycosis fungoides. Waitzer S, et al. **Int J Dermatol** 1984 Nov;23(9):610-2
T cell subset heterogeneity in a series of patients with mycosis fungoides and Sézary syndrome. Piepkorn M, et al. **J Am Acad Dermatol** 1984 Sep;11(3):427-32
Early diagnosis of Mycosis fungoides: vacuolar interface dermatitis. Everett MA. **J Cutan Pathol** 1985 Jun-Aug; 12(3-4):271-8
Mycosis fungoides: initial diagnosis via palatal biopsy with discussion of diagnostic advantages of plastic embedding. Damm DD, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):413-9
[Mycosis fungoides] Hoyez A, et al. **Rev Med Brux** 1984 Dec;5(10):671-5 (Eng. Abstr.) **(Fre)**
[T cell subsets and nuclear contour index of skin-infiltrating T cells in mycosis fungoides and Sézary syndrome] Iwahara K. **Nippon Hifuka Gakkai Zasshi** 1984 Nov;94(13):1499-507 **(Jpn)**

DRUG THERAPY

Retinoid dermatitis mimicking progression in mycosis fungoides: a report from the Scandinavian Mycosis Fungoides Group. Molin L, et al. **Acta Derm Venereol (Stockh)** 1985;65(1):69-71
Systemic polychemotherapy in patients with mycosis fungoides and lymph node involvement: a follow-up study of 17 patients. Sentis HJ, et al. **Acta Derm Venereol (Stockh)** 1985;65(2):179-83
13-cis-retinoic acid effective in mycosis fungoides. A report from the Scandinavian Mycosis Fungoides Group. Thomsen K, et al. **Acta Derm Venereol (Stockh)** 1984; 64(6):563-6
Topical nitrogen mustard in early mycosis fungoides. A 12-year experience. Zachariae H, et al. **Acta Derm Venereol (Stockh)** 1985;65(1):53-8
Combination chemotherapy for mycosis fungoides with cyclophosphamide, vincristine, methotrexate, and prednisone. Case DC Jr. **Am J Clin Oncol** 1984 Oct; 7(5):453-5
Response of mycosis fungoides to topical chemotherapy with mechlorethamine. Ramsay DL, et al. **Arch Dermatol** 1984 Dec;120(12):1585-90
A case of mycosis fungoides treated with etretinate. Wargon O, et al. **Australas J Dermatol** 1984 Aug;25(2):77-9
Topical nitrogen mustard in mycosis fungoides. Zachariae H. **Int J Clin Pharmacol Res** 1985;5(3):193-8
Remission in skin infiltrate of a patient with mycosis fungoides treated with cyclosporine. Maddox AM, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 2):952-6
Treatment of cutaneous T cell lymphoma with cyclosporin A [letter] Moreland AA, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 1):886-7
Mycosis fungoides treated with acyclovir [letter] Mahrle G, et al. **JAMA** 1985 Feb 15;253(7):977
Progression of mycosis fungoides during cimetidine therapy [letter] Sterry W, et al. **Lancet** 1985 Feb 16;1(8425):396
Effectiveness of psoralens in mycosis fungoides. Roenigk HH Jr. **Natl Cancer Inst Monogr** 1984 Dec;66:179-83
[Diagnosis and therapy of cutaneous T-cell lymphomas] Le T, et al. **Dermatologica** 1984;169(2):60-5 (Eng. Abstr.) **(Fre)**
[Treatment of mycosis fungoides with Zovirax (acyclovir). Study of 2 patients] Mahrle G, et al. **Z Hautkr** 1985 Apr 1;60(7):602-7 (Eng. Abstr.) **(Ger)**
[Photochemotherapy of mycosis fungoides. Preliminary results in our case load] Caccialanza M, et al. **G Ital Dermatol Venereol** 1985 Jan-Feb;120(1):91-7 (Eng. Abstr.) **(Ita)**
[Photochemotherapy of mycosis fungoides] Pozdniakov OL, et al. **Vestn Dermatol Venerol** 1984 Sep;(9):48-51 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Immuno- and enzyme histochemical study on mycosis fungoides] Nakada Y, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Aug;94(9):1055-9 **(Jpn)**

FAMILIAL & GENETIC

Cutaneous malignant lymphoma and HLA in the southwestern area of Japan. Yotsumoto H, et al. **J Dermatol (Tokyo)** 1985 Apr;12(2):134-7
Mycosis fungoides in husband and wife. Wooldridge WE, et al. **Mo Med** 1985 Apr;82(4):201-2
Clonal rearrangements of T-cell receptor genes in mycosis fungoides and dermatopathic lymphadenopathy. Weiss LM, et al. **N Engl J Med** 1985 Aug 29;313(9):539-44

IMMUNOLOGY

Immunopathology of cutaneous T-cell lymphomas. Nasu K, et al. **Am J Pathol** 1985 Jun;119(3):436-47
Immunophenotypic differences between dermatopathic lymphadenopathy and lymph node involvement in mycosis fungoides. Weiss LM, et al. **Am J Pathol** 1985 Aug; 120(2):179-85
Stage-related decrease in natural killer cell activity in untreated patients with mycosis fungoides. Levy S, et al. **Cancer Immunol Immunother** 1984;18(2):138-40
Blood lymphocyte subpopulations studied with monoclonal antibodies in aleukaemic stages of mycosis fungoides. Economidou J, et al. **Dermatologica** 1985;170(2):59-64
Monoclonal gammopathy and mycosis fungoides. Report of four cases and review of the literature. Venencie PY, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 1):576-9
Human malignant T cells capable of inducing an immunoglobulin class switch. Mayer L, et al. **J Exp Med** 1985 Jan 1;161(1):134-44
Expression of Leu-8 antigen, a majority T-cell marker, is uncommon in mycosis fungoides. Abel EA, et al. **J Invest Dermatol** 1985 Sep;85(3):199-202
[Change in the turnover of HLA ABC molecules in circulating T lymphocytes in mycosis fungoides] Paciel J, et al. **Med Cutan Ibero Lat Am** 1984;12(6):477-82 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Immunohistochemical studies using monoclonal antibodies on lymph nodes from patients with mycosis fungoides and Sézary's syndrome. Willemze R, et al. **Am J Pathol** 1985 Jul;120(1):46-54
Immunologic studies documenting the development of mycosis fungoides following successful therapy of a large-cell lymphoma. Samlowski WE, et al. **Arch Pathol Lab Med** 1985 Sep;109(9):864-6
Establishment of T and B cell lines from patients with mycosis fungoides. Kaltoft K, et al. **Br J Dermatol** 1984 Sep;111(3):303-8
Mycosis fungoides and lymphoplasmacytoid immunocytoma in the same patient. A case report. Geerts ML, et al. **Cancer** 1984 Nov 15;54(10):2294-9
Mycosis fungoides. Prognostic evaluation on 45 patients. Mazza P, et al. **Haematologica (Pavia)** 1985 Jan-Feb; 70(1):30-4
The lymph node in mycosis fungoides: a light and electron microscopy and immunohistological study supporting the Langerhans' cell-retrovirus hypothesis. Slater DN, et al. **Histopathology** 1985 Jun;9(6):587-621
Unusual clinical presentation of epidermotropic cutaneous lymphoma. Small hypopigmented macules. Dabski K, et al. **Int J Dermatol** 1985 Mar;24(2):108-15
Localized epidermotropic reticulosis [letter] Zackheim HS. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 1):904-7
Benign idiopathic versus mycosis fungoides-associated follicular mucinosis. Nickoloff BJ, et al. **Pediatr Dermatol** 1985 Mar;2(3):201-6
Lymphoma of the thyroid gland associated with mycosis fungoides: sonographic, scintigraphic and CT features. Balachandran S, et al. **Radiat Med** 1984 Oct-Dec;2(4):211-3
[Pseudo-mycosis fungoides T-lymphoma associated with an HTLV retrovirus in an African] Lessana-Leieowitch M, et al. **Ann Dermatol Venereol** 1984;111(8):725-6 **(Fre)**
[Association of mycosis fungoides and Hodgkin's disease] Souquet PJ, et al. **Ann Dermatol Venereol** 1984; 111(11):981-6 (Eng. Abstr.) **(Fre)**
[Mycosis fungoides and lymphomatoid papulosis] Wallach D, et al. **Ann Dermatol Venereol** 1984;111(8):773-4 **(Fre)**
[Disseminated mycosis fungoides] Trope BM, et al. **Med Cutan Ibero Lat Am** 1985;13(1):35-42 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Regional blood flow and mycosis fungoides [letter] Zackheim HS, et al. **J Am Acad Dermatol** 1985 Mar;12(3):578-80
Is 'localized epidermotropic reticulosis' (Woringer-Kolopp disease) benign? Zackheim HS. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 1):276-83

RADIOGRAPHY

Orbital involvement in mycosis fungoides [letter] Beck RW, et al. **Arch Ophthalmol** 1984 Dec;102(12):1749-50

RADIOTHERAPY

Total skin electron beam irradiation for cutaneous T-cell lymphoma (mycosis fungoides). Van Vloten WA, et al. **Br J Dermatol** 1985 Jun;112(6):697-702
Bullous pemphigoid. Occurrence in a patient with mycosis fungoides receiving PUVA and topical nitrogen mustard therapy. Patterson JW, et al. **Int J Dermatol** 1985 Apr; 24(3):173-6
[Total body electron therapy of mycosis fungoides] Salamon E, et al. **J Belge Radiol** 1984;67(3):177-82 (Eng. Abstr.) **(Fre)**
[Whole body irradiation by high energy electrons for mycosis fungoides] Koga K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Feb 25; 45(2):364-72 (Eng. Abstr.) **(Jpn)**

SECONDARY

Rapid pulmonary dissemination in mycosis fungoides simulating pneumonia. A case report and review of the literature. Rubin DL, et al. **Cancer** 1985 Aug 1;56(3):649-51

VETERINARY

Nontraditional treatment of mycosis fungoides in a dog. Bender WM. **J Am Vet Med Assoc** 1984 Oct 15; 185(8):900-1

MYCOTIC ANEURYSM see **ANEURYSM, MYCOTIC**

MYCOTOXINS

see related
ERGOTISM
Mycotoxins [editorial] **J S Afr Vet Assoc** 1985 Jun;56(2):59
[Toxins, especially mycotoxins, in feed] Gedek B. **DTW** 1985 Jun 7;92(6):215-8 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Carcinogenesis of esophageal cancer in Linxian, China. Li MX, et al. **Chin Med J [Engl]** 1984 May;97(5):311-6

Subacute toxicity of the mycotoxin cyclopiazonic acid. van Rensburg SJ. **Food Chem Toxicol** 1984 Dec;22(12):993-8

[Ryegrass staggers--Lolium perenne (English ryegrass)] de Jonge WK. **Tijdschr Diergeneeskd** 1984 Jul 15;109(14):589 **(Dut)**

[Rose-colored grain and fusariosis] Boltianskaia EV, et al. **Vopr Pitan** 1985 Mar-Apr;(2):18-22 (43 ref.) **(Rus)**

ANALYSIS

Occurrence of mycotoxins in feeds, animal organs and secretions. Sándor G. **Acta Vet Hung** 1984;32(1-2):57-69

Determination of mycotoxins by gradient high-performance liquid chromatography using an alkylphenone retention index system. Hill DW, et al. **Anal Chem** 1984 Nov; 56(13):2576-9

Presence of mycotoxins and a man-made material in a 'yellow rain' sample. Rosen JD. **Arch Belg** 1984;Suppl:173-6

Review of current and future analytical methods for the determination of mycotoxins. Crosby NT. **Food Addit Contam** 1984 Jan-Mar;1(1):39-44 (27 ref.)

Improved methodology for the simultaneous detection of the trichothecene mycotoxins deoxynivalenol and nivalenol in cereals. Tanaka T, et al. **Food Addit Contam** 1985 Apr-Jun; 2(2):125-37

Determination of xanthomegnin in grains and animal feeds by liquid chromatography with electrochemical detection. Carman AS, et al. **J Assoc Off Anal Chem** 1984 Nov-Dec; 67(6):1095-8

Capillary gas chromatographic determination of T-2 toxin, HT-2 toxin, and diacetoxyscirpenol in cereal grains. Cohen H, et al. **J Assoc Off Anal Chem** 1984 Nov-Dec; 67(6):1105-7

Mycotoxins in grain dust: method for analysis of aflatoxins, ochratoxin A, zearalenone, vomitoxin, and secalonic acid D. Ehrlich KC, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct; 67(5):963-7

Chemical confirmatory tests for ochratoxin A, citrinin, penicillic acid, sterigmatocystin, and zearalenone performed directly on thin layer chromatographic plates. Goliński P, et al. **J Assoc Off Anal Chem** 1984 Nov-Dec; 67(6):1108-10

Liquid chromatographic determination of tenuazonic acid and alternariol methyl ether in tomatoes and tomato products. Stack ME, et al. **J Assoc Off Anal Chem** 1985 Jul-Aug;68(4):640-2

Improved gas chromatographic method for quantitation of deoxynivalenol in wheat, corn, and feed. Terhune SJ, et al. **J Assoc Off Anal Chem** 1984 Nov-Dec;67(6):1102-4

Assessment of extraction procedures in the analysis of naturally contaminated grain products for deoxynivalenol (vomitoxin). Trenholm HL, et al. **J Assoc Off Anal Chem** 1985 Jul-Aug;68(4):645-9

Rapid, sensitive liquid chromatographic method for determination of zearalenone and alpha- and beta-zearalenol in wheat. Trenholm HL, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):968-72

Rapid determination of the neurotoxin lolitrem B in perennial ryegrass by high-performance liquid chromatography with fluorescence detection. Gallagher RT, et al. **J Chromatogr** 1985 Mar 8;321(1):217-26

High-performance liquid chromatography with stop-flow ultraviolet spectral characterization of lolitrem neurotoxins from perennial ryegrass. Gallagher RT, et al. **J Chromatogr** 1985 Mar 29;322(1):159-67

Confirmation of nivalenol and deoxynivalenol by on-line liquid chromatography-mass spectrometry and gas chromatography-mass spectrometry. Comparison of methods. Tiebach R, et al. **J Chromatogr** 1985 Jan 4; 318(1):103-11

Use of chick embryo in screening for toxin-producing fungi. Veselý D, et al. **Mycopathologia** 1984 Dec 30; 88(2-3):135-40

Mycotoxins in cereal grain. Part XI. Simple multidetection procedure for determination of 11 mycotoxins in cereals. Grabarkiewicz-Szczęsna J, et al. **Nahrung** 1985; 29(3):229-40

Constituents of Agaricus xanthodermus Genevier: the first naturally endogenous azo compound and toxic phenolic metabolites. Gill M, et al. **Z Naturforsch [C]** 1984 Nov-Dec; 39(11-12):1027-9

Leucinostatins, peptide mycotoxins produced by Paecilomyces lilacinus and their possible roles in fungal infection. Mikami Y, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Jul; 257(2):275-83

[Mycotoxin-producing strains of Aspergillus versicolor isolated from the gastric juice in chronic gastritis patients] Sun HL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Sep; 18(5):277-8 (Eng. Abstr.) **(Chi)**

[Active principles and pigments of the fly agaric Amanita (Amanita muscaria (Fries) Hooker)] Depovere P, et al. **J Pharm Belg** 1984 Jul-Aug;39(4):238-42 (Eng. Abstr.) **(Fre)**

[Determination of deoxynivalenol and nivalenol in cereals at the microgram/kilogram range] Blaas W, et al. **Z Lebensm Unters Forsch** 1984 Aug;179(2):104-8 (Eng. Abstr.) **(Ger)**

[The mycotoxin problem: results of food monitoring] Kiermeier F. **Z Lebensm Unters Forsch** 1985 May; 180(5):389-93 (Eng. Abstr.) **(Ger)**

[Detection of carcinogenic mycotoxins and the producer molds in dried fruits] Sanchiś V, et al. **Rev Esp Oncol** 1982; 29(3):489-95 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Mycotoxin production by thirteen fusarium isolates from Thailand. Greenhalgh R, et al. **Arch Belg** 1984;Suppl:56-60

13C NMR study of the biosynthesis of toxins by Fusarium graminearum. Blackwell BA, et al. **J Biol Chem** 1985 Apr 10;260(7):4243-7

Identification of an agent in cultures of Aspergillus fumigatus displaying anti-phagocytic and immunomodulating activity in vitro. Müllbacher A, et al. **J Gen Microbiol** 1985 May; 131 (Pt 5):1251-8

Studies on the mechanism of natural killer cell-mediated cytotoxicity. V. Lack of NK specificity at the level of induction of natural killer cytotoxic factors in cultures of human, murine, or rat effector cells stimulated with mycoplasma-free cell lines. Wright SC, et al. **J Immunol** 1984 Dec;133(6):3415-23

BLOOD

Rat CNS cell culture. Enhancement of neuronal survival and delay of glial proliferation by serum from patients with multiple sclerosis. A morphological study. Savettieri G, et al. **Ital J Neurol Sci** 1984 Sep;5(3):311-6

GENETICS

Double-stranded RNAs that encode killer toxins in Saccharomyces cerevisiae: unstable size of M double-stranded RNA and inhibition of M2 replication by M1. Sommer SS, et al. **Mol Cell Biol** 1984 Sep;4(9):1747-53

HISTORY

Mycotoxins and the Bible. Schoental R. **Perspect Biol Med** 1984 Autumn;28(1):117-20

IMMUNOLOGY

Production and characterization of antibody against deoxyverrucarol. Chu FS, et al. **Appl Environ Microbiol** 1984 Oct;48(4):781-4

ISOLATION & PURIFICATION

Isolation, chemical structure, acute toxicity, and some physicochemical properties of territrem B' from Aspergillus terreus. Peng FC, et al. **Appl Environ Microbiol** 1985 Mar; 49(3):721-3

The isolation and identification of trichothecene metabolites from a plant pathogenic strain of Myrothecium roridum. Bean GA, et al. **J Nat Prod** 1984 Jul-Aug;47(4):727-9

Presence of cyclopiazonic acid in kodo millet (Paspalum scrobiculatum) causing 'kodua poisoning' in man and its production by associated fungi. Lalitha Rao B, et al. **Mycopathologia** 1985 Mar;89(3):177-80

METABOLISM

Kinetic profiles of diacetoxyscirpenol and two of its metabolites in blood serum of pigs. Bauer J, et al. **Appl Environ Microbiol** 1985 Apr;49(4):842-5

Studies on toxin of Aspergillus fumigatus. XXII. Fashion of binding of Asp-hemolysin to human erythrocytes and Asp-hemolysin-binding proteins of erythrocyte membranes. Ebina K, et al. **Microbiol Immunol** 1985; 29(2):91-101

PHARMACODYNAMICS

Inhibitory effect of sterigmatocystin and 5,6-dimethoxysterigmatocystin on ATP synthesis in mitochondria. Kawai K, et al. **Appl Environ Microbiol** 1984 Nov;48(5):1001-3

Citrinin mycotoxicosis in the rabbit: clinicopathological alterations. Hanika C, et al. **Food Chem Toxicol** 1984 Dec; 22(12):999-1008

Fungal flora of Egyptian baladi bread with special reference to the mutagenic effects of their toxic metabolites. Megalla SE, et al. **Mycopathologia** 1985 Jan;89(1):35-41

The effect of a purified water-soluble fraction of a Fusarium roseum 'Graminearum' culture on reproduction of white Leghorn females. Lee YW, et al. **Poult Sci** 1985 Jun; 64(6):1077-82

Ultrastructural changes in mouse dermal capillaries induced by cytochalasin E. Sriurairatana S, et al. **Res Commun Chem Pathol Pharmacol** 1984 Sep; 45(3):379-87

The effects of Penicillium roqueforti toxin on the activity of rat hepatic DNA polymerases. Lee YH, et al. **Toxicology** 1984 Oct;33(1):43-57

[Antibacterial and genotoxic properties of 33 mycotoxins] Boutibonnes P, et al. **Mycopathologia** 1984 Aug 30; 87(1-2):43-9 (Eng. Abstr.) **(Fre)**

[Recent knowledge on the mechanism of action and metabolism of mycotoxins] Kolb E. **Z Gesamte Inn Med** 1984 Aug 1;39(15):353-8 (Eng. Abstr.) **(Ger)**

POISONING

TDP-1, a toxic component causing tibial dyschondroplasia in broiler chickens, and trichothecenes from Fusarium roseum 'Graminearum'. Lee YW, et al. **Appl Environ Microbiol** 1985 Jul;50(1):102-7

Lethal intoxication by wargases on Iranian soldiers. Therapeutic interventions on survivors of mustard gas and mycotoxin immersion. Pauser G, et al. **Arch Belg** 1984; Suppl:341-51

Fusarial mycotoxins and behaviour: possible implications for psychiatric disorder. Schoental R. **Br J Psychiatry** 1985 Feb;146:115-9 (43 ref.)

The incident at Tuol Chrey: pathologic and toxicologic examinations of a casualty after chemical attack. Stahl CJ, et al. **J Forensic Sci** 1985 Apr;30(2):317-37

A tremorgenic mycotoxicosis of cattle caused by maize sprouts infested with Aspergillus clavatus. Kellerman TS, et al. **Onderstepoort J Vet Res** 1984 Dec;51(4):271-4

Induction of diplodiosis, a neuromycotoxicosis, in domestic ruminants with cultures of indigenous and exotic isolates of Diplodia maydis. Kellerman TS, et al. **Onderstepoort J Vet Res** 1985 Mar;52(1):35-42

[Mycotoxins and food contamination] Jemmali M. **Arch Inst Pasteur Tunis** 1983 Dec;60(3-4):381-92 (Eng. Abstr.) **(Fre)**

[Fusarium moniliforme fusariosis of maize in New Caledonia and related equine pathology: toxic leukoencephalomalacia] Domenech J, et al. **Rev Elev Med Vet Pays Trop** 1984;37(3):253-9 (Eng. Abstr.) **(Fre)**

TOXICITY

Mycotoxins produced from fungi isolated from foodstuffs and soil: comparison of toxicity in fibroblasts and rat feeding tests. Abbas HK, et al. **Appl Environ Microbiol** 1984 Sep; 48(3):654-61

Hypothesis: Fungal toxins are involved in aspergillosis and AIDS. Eichner RD, et al. **Aust J Exp Biol Med Sci** 1984 Aug;62 (Pt 4):479-84

Embryotoxicity study on cyclopiazonic acid in mice. Khera KS, et al. **Bull Environ Contam Toxicol** 1985 Mar; 34(3):423-6

Absence of DNA breaks during repair of DNA-protein cross-links induced by the mycotoxin botryodiplodin in mammalian cells. Moulé Y, et al. **Carcinogenesis** 1984 Oct; 5(10):1375-7

The toxicology of mycotoxins. Ueno Y. **CRC Crit Rev Toxicol** 1985;14(2):99-132 (174 ref.)

Ethanol diminishes the toxicity of the mushroom Amanita phalloides. Floersheim GL, et al. **Experientia** 1984 Nov 15;40(11):1268-70

Toxicity of Diplodia maydis in farm and laboratory animals. Rabie CJ, et al. **Food Chem Toxicol** 1985 Mar;23(3):349-53

Studies on the mechanism of toxicity of the mycotoxin sporidesmin. 3--Inhibition by metals of the generation of superoxide radical by sporidesmin. Munday R. **J Appl Toxicol** 1984 Aug;4(4):182-6

Abnormal behavioral effects elicited by a neurotropic mycotoxin, fumitremorgin A in mice. Suzuki S, et al. **J Pharmacobiodyn** 1984 Dec;7(12):935-42

The effects of cyclopiazonic acid on pregnancy and fetal development of Fischer rats. Morrissey RE, et al. **J Toxicol Environ Health** 1984;14(4):585-94

Similarity of chloropeptide to phalloidin in toxicity to isolated hepatocytes. Ueno Y, et al. **J Toxicol Sci** 1984 May;9(2):117-30

Viridicatumtoxin mycotoxicosis in mice and rats. Bendele AM, et al. **Toxicol Lett** 1984 Sep;22(3):287-91

Effects of cyclopiazonic acid on the ultrastructure of rat liver. Hinton DM, et al. **Toxicol Lett** 1985 May;25(2):211-8

A severe reduction in egg laying in a flock of hens associated with trichothecene mycotoxins in the feed. Shlosberg A, et al. **Vet Hum Toxicol** 1984 Oct;26(5):384-6

Bracken toxicity and soil mycotoxins. Schoental R. **Vet Rec** 1984 Nov 10;115(19):500

[Subchronic toxicity testing of mold-ripened cheese] Schoch U, et al. **Z Lebensm Unters Forsch** 1984 Aug;179(2):99-103 (Eng. Abstr.) **(Ger)**

MYDRIATICS

ADMINISTRATION & DOSAGE

The effect of topical indomethacin ophthalmic solution in maintaining mydriasis during cataract surgery. Keates RH, et al. **Ann Ophthalmol** 1984 Dec;16(12):1116-21

Clinical trial of flurbiprofen to maintain pupillary dilation during cataract surgery. Keates RH, et al. **Ann Ophthalmol** 1984 Oct;16(10):919-21

ADVERSE EFFECTS

Contact allergy to atropine and other mydriatic agents. Yoshikawa K, et al. **Contact Dermatitis** 1985 Jan;12(1):56-7

Minimizing risk of adverse reactions to mydriatic agents in binocular indirect ophthalmoscopy. Levine L. **J Am Optom Assoc** 1985 Jul;56(7):542-8

DIAGNOSTIC USE

Comparison of refraction obtained by 'near retinoscopy' and retinoscopy under cycloplegia. Borghi RA, et al. **Am J Optom Physiol Opt** 1985 Mar;62(3):169-72

Noncycloplegic vs cycloplegic retinoscopy in pre-school children. Maino JH, et al. **Ann Ophthalmol** 1984 Sep; 16(9):880-2

[Comparative evaluation of various cycloplegics in the diagnosis of refractive errors in children] Pyzowski J, et al. **Klin Oczna** 1984 Oct;86(10):447-9 (Eng. Abstr.) **(Pol)**

[Usefulness of 1,0% Tropicamide (Polfa) in testing ocular refraction in children] Reichhartowa T. **Klin Oczna** 1984 Oct;86(10):451-2 (Eng. Abstr.) **(Pol)**

[Provocation tests in closed-angle glaucoma] Cernea P, et al. **Rev Chir [Oftalmol]** 1985 Apr-Jun;29(2):87-94 (Eng. Abstr.) **(Rum)**

PHARMACODYNAMICS

The concurrent application of ophthalmic drops. Geyer O, et al. **Aust N Z J Ophthalmol** 1985 Feb;13(1):63-6

Retinal damage in pigmented and albino rats exposed to low levels of cyclic light following a single mydriatic treatment. Williams RA, et al. **Curr Eye Res** 1985 Feb;4(2):97-102

[Neurotransmitter control of pupillary motoricity in man] De Marinis M, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2353-8 (Eng. Abstr.) **(Ita)**

MYELIN BASIC PROTEINS see **ENCEPHALITOGENIC BASIC PROTEINS**

MYELIN PROTEINS

Identification of membrane-embedded domains of lipophilin from human myelin. Kahan I, et al. **Biochemistry** 1985 Jan 15;24(2):538-44

Pressure-induced dissociation of aggregates of myelin proteolipid protein. Gow A, et al. **Biochim Biophys Acta** 1985 Apr 29;828(3):383-6

Interaction between human myelin basic protein and lipophilin. Wood DD, et al. **Neurochem Res** 1984 Oct; 9(10):1523-31

[Structural data on the myelin proteolipid of apparent molecular weight 20 kDa (DM-20)] Trifilieff E, et al. **C R Acad Sci [III]** 1985;300(7):241-6 (Eng. Abstr.) **(Fre)**

ANALYSIS

Myelin-associated glycoprotein in neurogenic tumours of the skin: an immunohistological study using Leu-7 monoclonal antibody. Smolle J, et al. **Arch Dermatol Res** 1985; 277(2):141-2

Biochemical characterization of the central nervous system myelin proteins of the rainbow trout, Salmo gairdneri. Waehneldt TV, et al. **Brain Res** 1984 Aug 20;309(1):127-34

Electroblot analysis of rat myelin proteolipid protein and basic protein during development. Macklin WB, et al. **Dev Neurosci** 1983-84;6(3):161-8

Electrophoretic analysis of myelin proteolipid protein and its deacylated form. Bizzozero OA, et al. **J Neurochem** 1985 Oct;45(4):1228-31

Characterization of myelin fractions from human brain white matter. Cruz TF, et al. **J Neurochem** 1985 May;44(5):1411-8

Myelin-associated glycoprotein and other proteins in Trembler mice. Inuzuka T, et al. **J Neurochem** 1985 Mar; 44(3):793-7

Localization of myelin-associated glycoprotein [letter] Quarles RH, et al. **J Neurochem** 1984 Dec;43(6):1773-7

GABA-modulin: a synaptosomal basic protein that differs from small myelin basic protein of rat brain. Vaccarino F, et al. **J Neurochem** 1985 Jan;44(1):278-90

Hydrophobic regions in myelin proteins characterized through analysis of 'hydropathic' profiles. Weise MJ. **J Neurochem** 1985 Jan;44(1):163-70

Glycoproteins and proteins in an axolemma-enriched fraction and myelin from developing rats: effect of maternal ethanol consumption. Gnaedinger JM, et al. **J Neurosci Res** 1984; 12(4):633-45

Anti-MAG antibody and antibody complexes: detection by radioimmunoassay. Nobile-Orazio E, et al. **Neurology** 1985 Jul;35(7):988-92

Vitamin B12 deficiency alters the distribution of membrane proteins on linear sucrose gradients in the fruit bat brain. McLoughlin JL, et al. **Neurosci Lett** 1984 Aug 24; 49(1-2):175-80

Phylogenetic examination of vertebrate central nervous system myelin proteins by electro-immunoblotting. Waehneldt TV, et al. **Neurosci Lett** 1985 Jun 4;57(1):97-102

Granular cell tumors contain myelin-associated glycoprotein. An immunohistochemical study using Leu 7 monoclonal antibody. Smolle J, et al. **Virchows Arch [A]** 1985;406(1):1-5

[Myelin proteins in the central and peripheral nervous system] Uyemura K, et al. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1056-68 (86 ref.) **(Jpn)**

BIOSYNTHESIS

Intrinsic myelin proteins are normally synthesized in vitro in the myelin-deficient (mld) mutant mouse. Matthieu JM, et al. **Dev Neurosci** 1983-84;6(4-5):246-50

Posttranslational protein modification: biosynthetic control mechanisms in the glycosylation of the major myelin glycoprotein by Schwann cells. Poduslo JF. **J Neurochem** 1985 Apr;44(4):1194-206

In vitro synthesis of myelin proteolipid protein from rat brain using a total homogenate system. Bizzozero OA, et al. **Neurochem Res** 1984 Sep;9(9):1339-50

Differentiation-specific regulation of Schwann cell expression of the major myelin glycoprotein. Poduslo JF, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5987-91

CEREBROSPINAL FLUID

Cerebrospinal fluid myelin basic protein as a prognostic marker in patients with head injury. Noseworthy TW, et al. **Crit Care Med** 1985 Sep;13(9):743-6

GENETICS

In vitro translation of mRNA from the developing sciatic nerve. Leblanc AC, et al. **Brain Res** 1985 Jun;352(2):302-5

Isolation and sequence of a cDNA encoding the major structural protein of peripheral myelin. Lemke G, et al. **Cell** 1985 Mar;40(3):501-8

Molecular cloning and nucleotide sequence of a cDNA clone coding for rat brain myelin proteolipid. Dautigny A, et al. **FEBS Lett** 1985 Aug 19;188(1):33-6

Two developmentally regulated messenger RNAs differing in their coding region may exist for the myelin-associated glycoprotein. Frail DE, et al. **J Biol Chem** 1984 Dec 10; 259(23):14857-62

Abnormal expression of the myelin-associated glycoprotein in the central nervous system of dysmyelinating mutant mice. Frail DE, et al. **J Neurochem** 1985 Oct;45(4):1071-5

Developmental expression of the myelin-associated glycoprotein in the peripheral nervous system is different from that in the central nervous system. Frail DE, et al. **J Neurochem** 1985 Oct;45(4):1308-10

IMMUNOLOGY

Human peripheral lymphocytes defined by anti-myelin-associated glycoprotein antiserum in healthy individuals and in patients with multiple sclerosis. Tanaka M, et al. **Acta Neurol Scand** 1985 Apr;71(4):278-83

Neuropathy and anti-myelin-associated glycoprotein IgM M proteins: T cell regulation of M protein secretion in vitro. Latov N, et al. **Ann Neurol** 1985 Aug;18(2):182-8

Polyneuropathy and IgM monoclonal gammopathy: studies on the pathogenetic role of anti-myelin-associated glycoprotein antibody. Mendell JR, et al. **Ann Neurol** 1985 Mar;17(3):243-54

Contamination of proteolipid protein with basic protein [letter] Trotter JL, et al. **Ann Neurol** 1984 Oct;16(4):514

Myelin-associated glycoprotein in development and disease. Quarles RH. **Dev Neurosci** 1983-84;6(6):285-303 (79 ref.)

Immunohistochemical studies of selected skin diseases and tumors using monoclonal antibodies to neurofilament and myelin proteins. Aso M, et al. **J Am Acad Dermatol** 1985 Jul;13(1):37-42

A monoclonal anti-idiotypic antibody against a human monoclonal IgM with specificity for myelin-associated glycoprotein. Page N, et al. **J Immunol** 1985 May; 134(5):3094-9

A novel myelin-associated glycoprotein defined by a mouse monoclonal antibody. Linnington C, et al. **J Neuroimmunol** 1984 Sep-Oct;6(6):387-96

A question of epitope [letter] Murray N, et al. **J Neuroimmunol** 1985 Sep;9(5):321-2

Human monoclonal antibodies to myelin-associated glycoprotein are directed against the polypeptide and not the carbohydrate moiety. Murray N, et al. **J Neuroimmunol** 1984 Nov;7(1):21-6

The species distribution of nervous system antigens that react with anti-myelin-associated glycoprotein antibodies. O'Shannessy DJ, et al. **J Neuroimmunol** 1985 Sep; 9(5):255-68

Shared antigen between the myelin-associated glycoprotein (MAG) and a cell line from human T cell leukemia (HSB-2). Sato S, et al. **J Neuroimmunol** 1985 Feb-Mar; 7(5-6):287-98

Human monoclonal anti-MAG antibody and anti-Leu 7 recognise shared antigenic determinants in peripheral nerve and spinal cord. Stoll G, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):635-8

Site-specific antibodies to rat myelin proteolipids directed against the C-terminal hexapeptide. Nussbaum JL, et al. **J Neurol Sci** 1985 Apr;68(1):89-100

Identification of myelin-associated glycoprotein (MAG) on the cell surface of mononuclear cells in human peripheral blood by a heterologous antiserum. Tanaka M, et al. **Jpn J Exp Med** 1984 Feb;54(1):9-15

Generation and characterization of mouse monoclonal antibodies to the myelin-associated glycoprotein (MAG). Dobersen MJ, et al. **Neurochem Res** 1985 Apr; 10(4):499-513

Specificity of mouse and human monoclonal antibodies to myelin-associated glycoprotein. Nobile-Orazio E, et al. **Neurology (NY)** 1984 Oct;34(10):1336-42

Accelerated regenerative neurite formation by a neuronal surface epitope reactive with the monoclonal antibody, Leu 7. McGarry RC, et al. **Neurosci Lett** 1985 May 14; 56(2):95-100

Murine monoclonal antibodies to the myelin-associated glycoprotein react with large granular lymphocytes of human blood. Dobersen MJ, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):552-5

Monoclonal antibodies to myelin-associated glycoprotein reveal antigenic structures and suggest pathogenic mechanisms. Steck AJ, et al. **Springer Semin Immunopathol** 1985;8(1-2):29-43 (41 ref.)

[Subsets of human natural killer cells in neurological disorders] Tanaka M, et al. **Rinsho Shinkeigaku** 1985 Mar; 25(3):314-9 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Noncontamination of proteolipid protein preparations by MBP [letter] Lees MB, et al. **Ann Neurol** 1985 Aug; 18(2):268

A new protein of the brain myelin: isolation and chemical characterization. Riccio P, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):484-92

Comparison of different myelin isolation methods by use of nonequilibrium pH gradient gel electrophoresis. Kolehmainen E, et al. **Neurochem Res** 1984 Sep; 9(9):1253-65

Isolation and purification of myelin proteolipid protein using high speed gel filtration in sodium dodecyl sulfate. Trotter JL, et al. **Neurochem Res** 1985 Jun;10(6):865-9

METABOLISM

Immunocytochemical study of myelin-associated glycoprotein (MAG), basic protein (BP), and glial fibrillary acidic protein (GFAP) in chronic relapsing experimental allergic encephalomyelitis (EAE). Webster HD, et al. **Acta Neuropathol (Berl)** 1985;65(3-4):177-89

Mechanisms of transport and assembly of myelin proteins. Bizzozero OA, et al. **Acta Physiol Pharmacol Latinoam** 1984;34(2):111-22

Association and release of the major intrinsic membrane glycoprotein from peripheral nerve myelin. Poduslo JF, et al. **Biochem J** 1985 May 15;228(1):43-54

Recognition and uptake of human diabetic peripheral nerve myelin by macrophages. Vlassara H, et al. **Diabetes** 1985 Jun;34(6):553-7

Developmental alterations in molecular weights of proteins in the human central nervous system that react with antibodies against myelin-associated glycoprotein. Marton LS, et al. **J Cell Biol** 1984 Nov;99(5):1642-6

Specificity of human IgM M-proteins that bind to myelin-associated glycoprotein: peptide mapping, deglycosylation, and competitive binding studies. Shy ME, et al. **J Immunol** 1984 Nov;133(5):2509-12

Effect of the jimpy mutation on expression of myelin proteins in heterozygous and hemizygous mouse brain. Kerner AL, et al. **J Neurochem** 1984 Dec;43(6):1706-15

Intracellular translocation of myelin proteolipid protein. Konat G, et al. **J Neurochem** 1985 May;44(5):1500-10

Effect of reactive oxygen species on myelin membrane proteins. Konat GW, et al. **J Neurochem** 1985 Oct; 45(4):1113-8

The neuropathy of plasma cell dyscrasia: binding of IgM M-proteins to peripheral nerve glycolipids. Freddo L, et al. **Neurology** 1985 Oct;35(10):1420-4

[Binding of delta-aminolevulinic acid by myelin proteins] Muzyka VI, et al. **Biokhimiia** 1984 Oct;49(10):1647-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Activation of the alternative pathway of complement by human peripheral nerve myelin. Koski CL, et al. **J Immunol** 1985 Mar;134(3):1810-4

Chronic experimental allergic encephalomyelitis in guinea pigs induced by proteolipid protein. Yoshimura T, et al. **J Neurol Sci** 1985 May-Jun;69(1-2):47-58

PHYSIOLOGY

Electron microscopic immunocytochemical localization of myelin proteolipid protein and myelin basic protein to oligodendrocytes in rat brain during myelination. Schwob VS, et al. **J Neurochem** 1985 Aug;45(2):559-71

Expression of myelin-associated glycoprotein by small neurons of the dorsal root ganglion in chickens. Omlin FX, et al. **Science** 1985 Mar 15;227(4692):1359-60

THERAPEUTIC USE

Theiler's virus encephalomyelitis is unaffected by treatment with myelin components. Lang W, et al. **J Neuroimmunol** 1985 Jul;9(1-2):109-13

MYELIN SHEATH

Quantitation of the Schmidt-Lanterman incisures in juvenile, adult, remyelinated and regenerated fibres of the chicken sciatic nerve. Cooper NA, et al. **Acta Neuropathol (Berl)** 1984;64(3):251-8

Spinal cord multiple sclerosis lesions in Japanese patients: Schwann cell remyelination occurs in areas that lack glial fibrillary acidic protein (GFAP). Itoyama Y, et al. **Acta Neuropathol (Berl)** 1985;65(3-4):217-23

Ophthalmic pathobiology. Neetens A. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):19-34

New approach to study of in vitro toxicity of multiple sclerosis and other sera. Bradbury K, et al. **J Neurol Sci** 1984 Aug;65(2):157-68

Comparison of different myelin isolation methods by use of nonequilibrium pH gradient gel electrophoresis. Kolehmainen E, et al. **Neurochem Res** 1984 Sep; 9(9):1253-65

Evolution of myelin sheaths: both lamprey and hagfish lack myelin. Bullock TH, et al. **Neurosci Lett** 1984 Jul 27;48(2):145-8

Difference between the thyroid gland of normal and hypomyelinated jimpy mice--a light microscopic study. Liu KM. **Proc Natl Sci Counc Repub China [B]** 1984 Jan;8(1):60-71

ABNORMALITIES

Acquired and progressive myelinated nerve fibers. Aaby AA, et al. **Arch Ophthalmol** 1985 Apr;103(4):542-4

ANALYSIS

Recent advances in myelin biochemistry. Norton WT. **Ann NY Acad Sci** 1984;436:5-10 (34 ref.)

Ganglio-N-tetraosylceramide (asialo GM1), an antigen common to the brain and immune system: its localization in myelin. Kusunoki S, et al. **Brain Res** 1985 May 13;334(1):117-24

Biochemical characterization of the central nervous system myelin proteins of the rainbow trout, Salmo gairdneri. Waehneldt TV, et al. **Brain Res** 1984 Aug 20;309(1):127-34

Electroblot analysis of rat myelin proteolipid protein and basic protein during development. Macklin WB, et al. **Dev Neurosci** 1983-84;6(3):161-8

An immunologic probe for a defined region of the myelin proteolipid. Lin LF, et al. **J Biol Chem** 1985 Apr 10;260(7):4371-7

Subcellular fractionation of rat sciatic nerve and specific localization of ganglioside LM1 in rat nerve myelin. Chou KH, et al. **J Neurochem** 1985 Jun;44(6):1898-912

Characterization of myelin fractions from human brain white matter. Cruz TF, et al. **J Neurochem** 1985 May;44(5):1411-8

Localization of myelin-associated glycoprotein [letter] Quarles RH, et al. **J Neurochem** 1984 Dec;43(6):1773-7

Brain myelin of genetically obese mice. Sena A, et al. **J Neurol Sci** 1985 May;68(2-3):233-43

Glycoproteins and proteins in an axolemma-enriched fraction and myelin from developing rats: effect of maternal ethanol consumption. Gnaedinger JM, et al. **J Neurosci Res** 1984;12(4):633-45

Enzymatic and nonenzymatic degradation of myelin basic protein. Deibler GE, et al. **Neurochem Res** 1984 Oct;9(10):1371-85

Developmental changes of myelin-related lipids in brain of miniature swine. Flynn TJ. **Neurochem Res** 1984 Jul;9(7):935-45

Dicyclohexylcarbodiimide-binding sites in the myelin proteolipid. Lin LF, et al. **Neurochem Res** 1984 Oct;9(10):1515-22

Isolation and purification of myelin proteolipid protein using high speed gel filtration in sodium dodecyl sulfate. Trotter JL, et al. **Neurochem Res** 1985 Jun;10(6):865-9

Comparative toxic effect of sumithion on rat and pigeon at the level of myelin. Nag A, et al. **Neurosci Lett** 1985 May 14;56(2):167-73

The maternal pheromone and deoxycholic acid in relation to brain myelin in the preweanling rat. Lee TM, et al. **Physiol Behav** 1984 Sep;33(3):391-5

[Lipids in myelin membrane] Kishimoto Y, et al. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1069-84 (88 ref.) **(Jpn)**

ANATOMY & HISTOLOGY

A new approach toward analyzing peripheral nerve fiber populations. II. Foreshortening of regenerated internodes corresponds to reduced sheath thickness. Beuche W, et al. **J Neuropathol Exp Neurol** 1985 Jan;44(1):73-84

A new approach toward analyzing peripheral nerve fiber populations. I. Variance in sheath thickness corresponds to different geometric proportions of the internodes. Friede RL, et al. **J Neuropathol Exp Neurol** 1985 Jan;44(1):60-72

CYTOLOGY

Mature oligodendrocytes. Division following experimental demyelination in adult animals. Arenella LS, et al. **Arch Neurol** 1984 Nov;41(11):1162-5

A simplified technique for preparing sections of osmium stained myelin sheaths. Benes ES, et al. **Stain Technol** 1985 Mar;60(2):115-6

DRUG EFFECTS

Effects of ZnCl2 on membrane interactions in myelin of normal and shiverer mice. Inouye H, et al. **Biochim Biophys Acta** 1984 Oct 3;776(2):197-208

Triiodothyronine stimulation of oligodendroglial differentiation and myelination. A developmental study. Almazan G, et al. **Dev Neurosci** 1985;7(1):45-54

Effect of 3-acetylpyridine on the content of myelin in the developing rat brain. Nakashima Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Oct;30(5):441-51

The interaction of mercurials with myelin: comparison of in vitro and in vivo effects. Ganser AL, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):63-77

[Structural changes in the myelin sheath membranes exposed to anisotonic media. A fluorescence polarization study] Vorob'ev MV, et al. **Tsitologiia** 1985 Apr;27(4):422-6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Calcium-stimulated proteolysis in myelin: evidence for a Ca2+-activated neutral proteinase associated with purified myelin of rat CNS. Banik NL, et al. **J Neurochem** 1985 Aug;45(2):581-8

Enzymatic regulation of glycoprotein synthesis in peripheral nervous system myelin. Smith ME, et al. **J Neurochem** 1985 Oct;45(4):1205-12

GROWTH & DEVELOPMENT

Immunocytochemical demonstration of glial-neuronal interactions and myelinogenesis in subcultures of rat brain cells. Walker AG, et al. **J Neuroimmunol** 1985 Aug;9(3-4):159-77

IMMUNOLOGY

Preliminary analysis of cell and serum-induced demyelination in vitro using a syngeneic system. Röyttä M, et al. **Acta Neurol Scand** 1985 Mar;71(3):226-36

Immune responses to myelin antigens in multiple sclerosis. Lisak RP, et al. **Ann NY Acad Sci** 1984;436:221-30 (98 ref.)

Dot immunobinding as a tool for the study of the CNS myelin antigen, M2. Lebar R, et al. **J Neuroimmunol** 1985 Apr;8(1):43-55

Reactivity of sera and isolated monoclonal IgM from patients with Waldenström's macroglobulinaemia with peripheral nerve myelin. Harbs H, et al. **J Neurol** 1985;232(1):43-8

Serum and cells from Theiler's virus-infected mice fail to injure myelinating cultures or to produce in vivo transfer of disease. The pathogenesis of Theiler's virus-induced demyelination appears to differ from that of EAE. Barbano RL, et al. **J Neurol Sci** 1984 Nov-Dec;66(2-3):283-93

Millipore diffusion chambers allow dissociation of myelin phagocytosis by non-resident cells and of allogenic nerve graft rejection. Beuche W, et al. **J Neurol Sci** 1985 Jul;69(3):231-46

Role of complement in demyelination in vitro by multiple sclerosis serum and other neurological disease sera. Bradbury K, et al. **J Neurol Sci** 1984 Sep;65(3):293-305

Human monoclonal IgM autoantibodies with restricted antigenic specificity for myelin express unrelated idiotypes. Kahn SN. **J Neurol Sci** 1985 Jul;69(3):161-70

Site-specific antibodies to rat myelin proteolipids directed against the C-terminal hexapeptide. Nussbaum JL, et al. **J Neurol Sci** 1985 Apr;68(1):89-100

Residual complement activity after incubation with myelin isolated from both the central and peripheral nervous tissues. Gandhi VC, et al. **Mol Immunol** 1985 Apr;22(4):495-8

Anti-peripheral myelin antibody in patients with demyelinating neuropathy: quantitative and kinetic determination of serum antibody by complement component 1 fixation. Koski CL, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):905-9

METABOLISM

Mechanisms of transport and assembly of myelin proteins. Bizzozero OA, et al. **Acta Physiol Pharmacol Latinoam** 1984;34(2):111-22

Continual breakdown and regeneration of myelin in progressive multiple sclerosis plaques. Prineas JW, et al. **Ann NY Acad Sci** 1984;436:11-32

Metabolism of cerebrosides and sulfatides in subcellular fractions of developing rat brain. Shimomura K, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):265-70

Biochemical changes in mouse brain myelin during experimental primary amoebic meningo-encephalitis. Tekwani BL, et al. **Br J Exp Pathol** 1984 Oct;65(5):637-44

Differential proliferative responses of cultured Schwann cells to axolemma- and myelin-enriched fractions. I. Biochemical studies. Yoshino JE, et al. **J Cell Biol** 1984 Dec;99(6):2309-13

Lipid-metabolizing enzymes of myelin and their relation to the axon. Ledeen RW. **J Lipid Res** 1984 Dec 15;25(13):1548-54 (54 ref.)

Identification and topography of substrates for protein carboxyl methyltransferase in synaptic membrane and myelin-enriched fractions of bovine and rat brain. Johnson BA, et al. **J Neurochem** 1985 Oct;45(4):1119-27

Immunoblot identification of 13.5 kilodalton myelin basic protein in goldfish brain myelin. Roots BI, et al. **J Neurochem** 1984 Nov;43(5):1421-4

Correlation between 2',3'-cyclic nucleotide 3'-phosphohydrolase activity and demyelination in vitro using a syngeneic system. Roth GA, et al. **J Neurochem** 1985 Feb;44(2):654-7

Reconstituted P2/myelin-lipid multilayers. Sedzik J, et al. **J Neurochem** 1985 Sep;45(3):844-52

A monoclonal antibody that binds to both astrocytes and myelin sheaths. Dumas M, et al. **J Neuroimmunol** 1985 Jul;9(1-2):55-67

The role of myelin lipids in experimental allergic encephalomyelitis. Part 1. Influence on disease production by non-encephalitogenic doses of myelin basic protein. Hosein ZZ, et al. **J Neuroimmunol** 1984 Dec;7(2-3):163-78

Evidence on hypomyelination of central nervous system in murine muscular dystrophy. Tsuji S, et al. **J Neurol Sci** 1985 May;68(2-3):175-84

Neonatal malnutrition in the rat affects the delivery of sulfatides from microsomes and their entry into myelin. Sato C, et al. **Neurochem Res** 1985 Feb;10(2):179-89

Investigations on myelinogenesis in vitro: a study of the critical period at which thyroid hormone exerts its maximum regulatory effect on the developmental expression of two myelin associated markers in cultured brain cells from embryonic mice. Shanker G, et al. **Neurochem Res** 1985 May;10(5):617-25

Cerebral myelinogenesis in the Snell dwarf mouse: stimulatory effects of GH and T4 restricted to the first 20 days of postnatal life. Sugisaki T, et al. **Neurochem Res** 1985 Jun;10(6):767-78

Myelin in normal and diseased states. Baumann N, et al. **Neurol Clin** 1983 Aug;1(3):701-27

Effect of fatty acid-enriched diet on the composition of fatty acids in lipids of cerebral myelin during development. Wender M, et al. **Neuropatol Pol** 1985;23(1):119-27

Localization of ganglioside GM1 on myelin, in dissociated cells from rat embryonic cerebral hemispheres, using biotinylated choleragen and avidin peroxidase. Asou H, et al. **Neurosci Res** 1985 Jun;2(5):399-406

[Main problems on the metabolism and function of phospholipids in the nervous system] Kunishita T, et al. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1130-45 (76 ref.) **(Jpn)**

[Biochemical structure of myelin in the central nervous system] Rakić LjM, et al. **Glas Srp Akad Nauka [Med]** 1981;(33):173-91 (Eng. Abstr.) **(Scc)**

PATHOLOGY

Atypical multiple sclerosis with concentric or lamellar demyelinated lesions: two Japanese patients studied post mortem. Itoyama Y, et al. **Ann Neurol** 1985 May;17(5):481-7

Cytomegalovirus. Induced demyelination associated with acquired immune deficiency syndrome. Moskowitz LB, et al. **Arch Pathol Lab Med** 1984 Nov;108(11):873-7

Chronic optic nerve compression. An experimental study. Clifford-Jones RE, et al. **Brain** 1985 Mar;108 (Pt 1):241-62

Neurological mutation characterized by dysmyelination in NCTR-Balb/C mouse with lysosomal lipid storage disease. Weintraub H, et al. **J Neurochem** 1985 Sep;45(3):665-72

Serum antibodies against glycosphingolipids in chronic relapsing experimental allergic encephalomyelitis. Demonstration by ELISA and relation to serum in vivo demyelinating activity. Schwerer B, et al. **J Neuroimmunol** 1984 Dec;7(2-3):107-19

[Myelin pathology in the pt rabbit] Zelman IB, et al. **Neuropatol Pol** 1984;22(2):205-18 (Eng. Abstr.) **(Pol)**

[Neurologic manifestations and periaxonal demyelination in the central nervous system in different forms of experimental allergic encephalomyelitis] Khizhniak MG, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):545-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Demyelination and remyelination in murine viral encephalomyelitis. Lang W, et al. **Ann NY Acad Sci** 1984;436:98-102

Surprising thermal transition in fish myelin. Blaurock AE, et al. **Biochim Biophys Acta** 1985 Jul 25;817(2):367-74

Growth mechanism of myelin figures of phosphatidylcholine. Sakurai I, et al. **Biochim Biophys Acta** 1984 Nov 7;777(2):347-51

Brain myelination in the offspring of ethanol-treated rats: in utero versus lactational exposure by crossfostering offspring of control, pairfed and ethanol treated dams. Lancaster FE, et al. **Brain Res** 1984 Sep 10;309(2):209-16

Early adrenalectomy increases myelin content of the rat brain. Meyer JS, et al. **Brain Res** 1985 Jan;349(1-2):1-9

Myelination of mouse cerebellar explants by rat cultured oligodendrocytes. Nishimura RN, et al. **Brain Res** 1985 Jun 24;337(1):159-62

Perinodal astrocytic processes at nodes of Ranvier in developing normal and glial cell deficient rat spinal cord. Sims TJ, et al. **Brain Res** 1985 Jul 1;337(2):321-31

Myelination of the rat optic nerve during postnatal undernourishment and recovery: a morphometric analysis. Wiggins RC, et al. **Brain Res** 1984 Aug 13;308(2):263-72

Structural effects of external media on isolated myelinated axons. Orson NV, et al. **Comp Biochem Physiol [A]** 1985;80(2):247-56

Myelin basic protein gene expression in quaking, jimpy, and myelin synthesis-deficient mice. Carnow TB, et al. **Dev Biol** 1984 Nov;106(1):38-44

Transplantation of CNS fragments into the brain of shiverer mutant mice: extensive myelination by implanted oligodendrocytes. I. Immunohistochemical studies. Lachapelle F, et al. **Dev Neurosci** 1983-84;6(6):325-34

In vivo phosphorylation of myelin basic proteins in developing mouse brain: evidence that phosphorylation is an early event in myelin formation. Ulmer JB, et al. **Dev Neurosci** 1983-84;6(6):345-55

The electromyographic prognosis of traumatic paralysis of radial nerve. Study of its myelinic and axonal damage. Negrin P, et al. **Electromyogr Clin Neurophysiol** 1984 Aug-Sep;24(6):481-4

Failure of 5-hydroxytryptophan to modulate brain stem auditory evoked responses in myelin deficient mutant qk mice. Shah SN, et al. **Exp Neurol** 1984 Oct;86(1):160-4

Growth and myelination of explant cultures in defined medium. Hendelman WJ, et al. **In Vitro Cell Dev Biol** 1985 Feb;21(2):129-34

Induction of myelin components: cyclic AMP increases the

synthesis rate of 2',3'-cyclic nucleotide 3'-phosphohydrolase in C6 glioma cells. McMorris FA, et al. **J Neurochem** 1985 Apr;44(4):1242-51
Size and surface charge properties of myelin vesicles from normal and diseased (multiple sclerosis) brain. Moscarello MA, et al. **J Neurochem** 1985 Aug;45(2):415-21
Regulation of myelination: Schwann cell transition from a myelin-maintaining state to a quiescent state after permanent nerve transection. Poduslo JF, et al. **J Neurochem** 1985 Feb;44(2):388-400
Electron microscopic immunocytochemical localization of myelin proteolipid protein and myelin basic protein to oligodendrocytes in rat brain during myelination. Schwob VS, et al. **J Neurochem** 1985 Aug;45(2):559-71
Schwann cell and oligodendrocyte remyelination in lysolecithin-induced lesions in irradiated rat spinal cord. Harrison B. **J Neurol Sci** 1985 Feb;67(2):143-59
Localization of active sites along the myelinated goldfish Mauthner axon: morphological and pharmacological evidence for saltatory conduction. Funch PG, et al. **J Neurosci** 1984 Sep;4(9):2397-409
Myelination determines the caliber of dorsal root ganglion neurons in culture. Windebank AJ, et al. **J Neurosci** 1985 Jun;5(6):1563-9
Oligodendrocytes, key cells in myelination and target in demyelinating diseases. Bologa L. **J Neurosci Res** 1985; 14(1):1-20 (167 ref.)
Alteration of sulfatide synthesis in control and Trembler mice during Wallerian degeneration and remyelination. Bourre JM, et al. **Neurochem Pathol** 1984 Fall;2(3):153-61
Myelination process in the rat sciatic nerve during regeneration and development: molecular species composition and acyl group biosynthesis of choline-, ethanolamine-, and serine-glycerophospholipids of myelin fractions. Alberghina M, et al. **Neurochem Res** 1984 Jul; 9(7):887-902
Myelin development in infant brain. Poduslo SE, et al. **Neurochem Res** 1984 Nov;9(11):1615-26
Pattern of Schwann cell remyelination in a spinal cord lesion. Harrison BM, et al. **Neurosci Lett** 1984 Dec 21;52(3):275-80
Computer simulation of action potentials and afterpotentials in mammalian myelinated axons: the case for a lower resistance myelin sheath. Blight AR. **Neuroscience** 1985 May;15(1):13-31
Prolonged responsiveness to the maternal pheromone in the postweanling rat. Schumacher SK, et al. **Physiol Behav** 1985 Mar;34(3):471-3
The effect of lead toxicity and milk deprivation of myelination in the rat. Harry GJ, et al. **Toxicol Appl Pharmacol** 1985 Mar 15;77(3):458-64
[Myelin formation of the dorsal root ganglion cells of the senile rat in long-term culture] Ninomiya T, et al. **No To Shinkei** 1985 May;37(5):489-95 (Eng. Abstr.) **(Jpn)**
[Method of dissecting peripheral nerve sheaths with an ultrasonic microscalpel that does not disturb neural conduction] Ermishkin VV, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):631-3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Peripheral axotomy induces neurofilament decrease, atrophy, demyelination and degeneration of root and fasciculus gracilis fibers. Dyck PJ, et al. **Brain Res** 1985 Aug 5; 340(1):19-36
Mechanisms of demyelination [editorial] **Lancet** 1985 Mar 2;1(8427):495-6

RADIONUCLIDE IMAGING

Improved synthesis and low-temperature autoradiographic evaluation of 18F-n-fluoropropane as a myelin tracer for positron emission tomography. Diksic M, et al. **Eur J Nucl Med** 1984;9(12):553-7

ULTRASTRUCTURE

A quantitative assessment of myelin sheaths in the peripheral nerves of dystrophic, quaking, and trembler mutants. Beuche W, et al. **Acta Neuropathol (Berl)** 1985;66(1):29-36
Immunohistochemical studies on human brain tumors using anti-Leu 7 monoclonal antibody in paraffin-embedded specimens. Motoi M, et al. **Acta Neuropathol (Berl)** 1985; 66(1):75-7
Diameter of axons and thickness of myelin sheaths of the pyramidal tract fibres in the adult human medullary pyramid. Graf von Keyserlingk D, et al. **Anat Anz** 1984; 157(2):97-111
Three-dimensional analysis of dendritic spines. III. Glial sheath. Spaček J. **Anat Embryol (Berl)** 1985;171(2):245-52
Identification of membrane-embedded domains of lipophilin from human myelin. Kahan I, et al. **Biochemistry** 1985 Jan 15;24(2):538-44
Two cases of congenital hypomyelination neuropathy. Tachi N, et al. **Brain Dev** 1984;6(6):560-5
Developmental neuropathology in bronchopulmonary dysplasia: alteration of glial fibrillary acidic protein and myelination. Takashima S, et al. **Brain Dev** 1984;6(5):451-7
The corpus callosum during postnatal undernourishment and recovery: a morphometric analysis of myelin and axon relationships. Wiggins RC, et al. **Brain Res** 1985 Feb 25; 328(1):51-7
The recovery of organelle transport and microtubule integrity in myelinated axons that are frozen and thawed. Smith RS, et al. **Can J Physiol Pharmacol** 1985 Apr; 63(4):292-7
Pattern of myelination in the pyramidal tract of the rat. Towe AL, et al. **Exp Neurol** 1985 Jul;89(1):284-8
Myelination of the hypoglossal nerve in human fetuses of 137 and 220 mm crown-rump length. Bruska M, et al. **Folia Morphol** 1984;43(4):401-12
Incisures of Schmidt-Lantermann in the myelin sheath of guinea pig peripheral nerves. Belej K, et al. **Folia Morphol (Praha)** 1984;32(4):406-10
Hypomyelination in the peripheral nervous system of shiverer mice and in shiverer in equilibrium normal chimaera. Peterson AC, et al. **J Comp Neurol** 1984 Aug 10; 227(3):348-56
Ultrastructural features of the myelin sheath of Scarpa's ganglion cells in the adult guinea pig. Penna M, et al. **J Laryngol Otol** 1985 Apr;99(4):363-7
Resistance to disruption of multilamellar fragments of central nervous system myelin. Sedzik J, et al. **J Neurochem** 1984 Nov;43(5):1415-20
New X-ray spacings from central myelinated tissue. Inouye H, et al. **J Neurocytol** 1984 Dec;13(6):883-94
Nodes of Ranvier and Schmidt-Lanterman incisures: an in vivo lanthanum tracer study. MacKenzie ML, et al. **J Neurocytol** 1984 Dec;13(6):1043-55
Quantitative analysis of myelin and axolemma particle distribution in C57BL/Ks diabetic mice and the effects of ganglioside treatment. Antonella S, et al. **J Neurol Sci** 1985 Jul;69(3):301-17
Naked axon bundles enclosed by single segments of myelin sheaths in the nerves of non-dystrophic C57BL-ob/+mice. Beuche W, et al. **Neuropathol Appl Neurobiol** 1984 Sep-Oct;10(5):369-77
The effects of multiple sequential episodes of demyelination in the sciatic nerve of the mouse. Hall SM. **Neuropathol Appl Neurobiol** 1984 Nov-Dec;10(6):461-78
Myelin in the senile rat brain. Preliminary report. Iwanowski L. **Neuropatol Pol** 1984;22(2):219-23
[Biopsy data on the ultrastructural changes in the cerebral cortex in Vilyui encephalomyelitis] Avtsyn AP, et al. **Arkh Patol** 1984;46(11):28-38 (Eng. Abstr.) **(Rus)**

MYELITIS

CEREBROSPINAL FLUID

Lymphocytoma cutis with meningeal involvement. Bhattacharyya K. **J Indian Med Assoc** 1984 Jun;82(6):210-1

CHEMICALLY INDUCED

Heroin myelopathy: a case report. Guidotti M, et al. **Ital J Neurol Sci** 1985 Mar;6(1):99-100
Transverse myelitis following chemonucleolysis [letter] **J Bone Joint Surg [Am]** 1985 Feb;67(2):345-6
Multiple adverse reactions following metrizamide myelography [letter] Paschalis C, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):720
Effects of metal-containing drugs taken simultaneously with clioquinol upon clinical features of SMON. Okada H, et al. **J Toxicol Sci** 1984 Nov;9(4):327-41
The aetiology of SMON may involve an interaction between clioquinol and environmental metals. Tjälve H. **Med Hypotheses** 1984 Nov;15(3):293-9
Benzene poisoning as a possible cause of transverse myelitis. Herregods P, et al. **Paraplegia** 1984 Oct;22(5):305-10
[SMON syndrome. First case after abuse of a methylated hydroxyquinoline derivative] Saragoussi JJ, et al. **Bull Soc Ophtalmol Fr** 1984 Jan;84(1):25-8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Herpes simplex and herpes zoster. Nervous system involvement. Tenser RB. **Neurol Clin** 1984 May;2(2):215-40

ETIOLOGY

Cytomegalovirus and herpes simplex virus ascending myelitis in a patient with acquired immune deficiency syndrome. Tucker T, et al. **Ann Neurol** 1985 Jul;18(1):74-9
Transverse myelopathy: influence of body position as a cause. Rudin SD, et al. **Arch Phys Med Rehabil** 1985 Apr; 66(4):262-3
Neurological complications of Mycoplasma pneumoniae infection. Hely MA, et al. **Clin Exp Neurol** 1984;20:153-60
Effect of whole body hyperthermia and BCNU on the development of radiation myelitis in the rat. Neville AJ, et al. **Int J Radiat Biol** 1984 Oct;46(4):417-20
Pre-eruption herpes zoster myelitis [letter] Yeolekar ME, et al. **J Assoc Physicians India** 1985 Feb;33(2):185
The nervous system in genital herpes simplex virus type 2 infections in mice. Lethal panmyelitis or nonlethal demyelinative myelitis or meningitis. Martin JR, et al. **Lab Invest** 1984 Nov;51(5):556-66
A new complication of AIDS: thoracic myelitis caused by herpes simplex virus. Britton CB, et al. **Neurology** 1985 Jul;35(7):1071-4
Transverse myelitis from intraarterial penicillin. Stafford WW, et al. **Neurosurgery** 1984 Oct;15(4):552-6
[Zoster myelitis. Immunological study and treatment with acyclovir] Mas JL, et al. **Rev Neurol (Paris)** 1985; 141(3):234-6 (Eng. Abstr.) **(Fre)**
[Delayed myelitis caused by radiation in patients treated for Hodgkin's disease] Basso-Ricci S, et al. **Minerva Med** 1984 Nov 17;75(44):2679-82 (Eng. Abstr.) **(Ita)**
[Various mechanisms of the pathogenesis and etiotropic therapy of neurologic forms of epidemic parotitis] Sichko ZhV. **Zh Nevropatol Psikhiatr** 1985;85(2):184-9 (Eng. Abstr.) **(Rus)**
[Transverse myelitis at the onset of systemic lupus erythematosus (letter)] Torrijos Eslava A, et al. **Rev Clin Esp** 1985 Feb;176(3):155-6 **(Spa)**
[Radiculomyelitis following acute hemorrhagic conjunctivitis caused by enterovirus 70. Report of the 1st corroborated case in America] Sáenz RE, et al. **Rev Med Panama** 1984 Sep;9(3):176-81 (Eng. Abstr.) **(Spa)**

HISTORY

[The history of quinolines] Wolffers I. **Ned Tijdschr Geneeskd** 1985 Jun 29;129(26):1246-9 **(Dut)**

PHYSIOPATHOLOGY

Arousal response induced by postural changes in patients with subacute myelo-optico-neuropathy, 'SMON'. Nakamura R, et al. **Tohoku J Exp Med** 1984 Nov; 144(3):219-25

SURGERY

[Improvement of debridement with irrigation and suction in the treatment of chronic myelitis] Zhang BL. **Chung Hua Wai Ko Tsa Chih** 1984 Aug;22(8):499-500, 512 (Eng. Abstr.) **(Chi)**

VETERINARY

Granulomatous meningoencephalomyelitis. Braund KG. **J Am Vet Med Assoc** 1985 Jan 15;186(2):138-41 (0 ref.)
Acute meningoencephalomyelitis in a rabbit infected with Pasteurella multocida. Murray KA, et al. **Lab Anim Sci** 1985 Apr;35(2):169-71

MYELITIS, TRANSVERSE see under **MYELITIS**

MYELOBLASTOSIS VIRUS, AVIAN see under **AVIAN LEUKOSIS VIRUSES**

MYELOCELE see **MENINGOMYELOCELE**

MYELODYSPLASIA see **NEURAL TUBE DEFECTS**

MYELOFIBROSIS

Thrombocythemia and myelofibrosis [letter] Ozsoylu S. **J Pediatr** 1985 Apr;106(4):693

BLOOD

Plasma fibronectin in idiopathic myelofibrosis [letter] Vellenga E, et al. **Br J Haematol** 1985 Jul;60(3):583-4
Granulocytic and stromal progenitors in the bone marrow of patients with primary myelofibrosis. Hotta T, et al. **Scand J Haematol** 1985 Mar;34(3):251-5

CHEMICALLY INDUCED

Chlorambucil-induced myelofibrosis. Gaminara EJ, et al. **Clin Lab Haematol** 1984;6(3):293-7

COMPLICATIONS

Idiopathic myelofibrosis complicated by lymphoma. Report of two cases. Epstein RJ, et al. **Acta Haematol (Basel)** 1985; 73(1):40-4
Plasma cell dyscrasia with marrow fibrosis. Clinicopathologic syndrome. Vandermolen L, et al. **Am J Med** 1985 Sep; 79(3):297-302
Extramedullary hematopoiesis [letter] Levine LE, et al. **Arch Dermatol** 1984 Oct;120(10):1282
Coexistence of myeloid metaplasia with myelofibrosis and hairy-cell leukemia. Subramanian VP, et al. **Arch Intern Med** 1985 Jan;145(1):164-6
Problems of differential diagnosis in a case of bone lesions caused by myelosclerosis associated with hyperparathyroidism. Moczar E, et al. **Folia Haematol (Leipz)** 1985;112(2):265-77
Myelofibrosis, autoimmune haemolytic anaemia and Tn-polyagglutinability. Bird GW, et al. **Haematologia (Budap)** 1985;18(2):99-103
Myelofibrosis and megakaryoblastic transformation of chronic myelogenous leukemia associated with intrinsic platelet dysfunction: hematological, histological and ultrastructural findings. Cortelazzo S, et al. **Haematologica (Pavia)** 1984 Nov-Dec;69(6):671-81
Spinal cord compression due to extramedullary hematopoiesis. Successful treatment in a patient with long-standing myelofibrosis. Price F, et al. **JAMA** 1985 May 17;253(19):2876-7
Pericardial haematopoiesis with tamponade in myelofibrosis. Haedersdal C, et al. **Scand J Haematol** 1985 Mar; 34(3):270-3
[Pure osteolytic lesions in myelofibrosis: report of 2 cases] Cassi E, et al. **Haematologica (Pavia)** 1985 Mar-Apr; 70(2):178-83 (Eng. Abstr.) **(Ita)**
[Acute myelofibrosis and acute megakaryoblastic/megakaryocytic leukemia. A study on clinicopathologic correlations in a patient and reports of

the literature] Hirano K, et al. **Rinsho Ketsueki** 1984 Aug; 25(8):1290-8 (Eng. Abstr.) **(Jpn)**

[Idiopathic myelofibrosis with cutaneous myeloid metaplasia (letter)] Ribera JM, et al. **Sangre (Barc)** 1984; 29(4-A):478-80 **(Spa)**

DIAGNOSIS

Extramedullary hematopoiesis presenting as transient ischemic attack. Ginsberg AH. **Arch Neurol** 1985 Oct; 42(10):1020-1

Idiopathic myelofibrosis. Rani S, et al. **Indian Pediatr** 1984 Oct;21(10):817-20

Secondary myelofibrosis with metastatic breast cancer simulating agnogenic myeloid metaplasia: report of a case and review of the literature. Yablonski-Peretz T, et al. **Med Pediatr Oncol** 1985;13(2):92-6

[A case from practice. (25)] Schlumpf V. **Schweiz Rundsch Med Prax** 1984 Oct 23;73(43):1313-4 **(Ger)**

[Idiopathic splenomegalic myelofibrosis. Report of 2 clinical cases] Grandis P. **Ann Osp Maria Vittoria Torino** 1983 Jul-Dec;26(7-12):293-308 (Eng. Abstr.) **(Ita)**

[Myelofibrosis caused by cancer: presentation of a clinical case with a very difficult diagnosis] Fortunato A, et al. **Minerva Med** 1985 Aug 25;76(32-33):1501-6 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Low dose cytosine arabinoside used to induce remission in acute myelofibrosis [letter] Whitehead S, et al. **Br J Haematol** 1984 Oct;58(2):375-6

Effect of alkylating agents on hematopoiesis in myelofibrosis. 4 case report. Charbord P, et al. **Nouv Rev Fr Hematol** 1984;26(6):361-9

Chemotherapy resolves symptoms and reverses marrow fibrosis in myelofibrosis. Manoharan A, et al. **Scand J Haematol** 1984 Nov;33(5):453-9

ETIOLOGY

Annotation. Fibrosis of the bone marrow: content and causes. McCarthy DM. **Br J Haematol** 1985 Jan;59(1):1-7 (54 ref.)

Essential thrombocythemia terminating in myelofibrosis and myeloblastic transformation. Yonemitsu H, et al. **Jpn J Med** 1985 Feb;24(1):57-61

[Development of polycythemia to myelofibrosis. Monitoring by the assay of the procollagen III amino-propeptide] Arrago JP, et al. **Presse Med** 1984 Nov 10;13(40):2429-32 (Eng. Abstr.) **(Fre)**

[Reversible reticulin myelofibrosis associated with pernicious anemia] Ribera JM, et al. **Sangre (Barc)** 1985;30(3):369-71 **(Spa)**

FAMILIAL & GENETIC

Trisomy 1q and deletion of 11q in acute myelofibrosis. Kovacs G, et al. **Acta Haematol (Basel)** 1985;73(3):179-80

The pattern and clinical significance of karyotypic abnormalities in patients with idiopathic and postpolycythemic myelofibrosis. Miller JB, et al. **Cancer** 1985 Feb 1;55(3):582-91

Chromosome 12 rearrangement with breakage at the p11 level in hematologic disorders: report of four cases. Zaccaria A, et al. **Cancer Genet Cytogenet** 1985 Feb 15; 15(3-4):309-14

[An autopsy case of myelofibrosis with myeloid metaplasia terminating in blastic transformation with chromosomal aberration (i(17q))] Nakamura H, et al. **Rinsho Ketsueki** 1984 Jun;25(6):864-9 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Circulating immune complexes in myelofibrosis. Hasselbalch H, et al. **Scand J Haematol** 1985 Feb;34(2):177-80

PATHOLOGY

An acute myeloproliferative disorder characterized by myelofibrosis and blast cells that express phenotypic properties associated with multiple hematopoietic lineages. Schreeder MT, et al. **Am J Clin Pathol** 1985 Jan; 83(1):114-21

Extramedullary hematopoietic ascitic fluid cytology in myelofibrosis. Silverman JF. **Am J Clin Pathol** 1985 Jul; 84(1):125-8

Characterization of blast cells in chronic granulocytic leukaemia in transformation, acute myelofibrosis and undifferentiated leukaemia. I. Ultrastructural morphology and cytochemistry. Polli N, et al. **Br J Haematol** 1985 Feb; 59(2):277-96

Endothelial cell proliferation in myelofibrosis. Reilly JT, et al. **Br J Haematol** 1985 Aug;60(4):625-30

Clinical and pathological features of primary myelofibrosis from onset to blast transformation: report of two cases. Yonemitsu H, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Feb;48(1):64-71

Stromal cells in primary myelofibrosis: ultrastructural observations. Biagini G, et al. **Virchows Arch [Cell Pathol]** 1985;48(1):1-8

[A case of megakaryoblastic leukemia showing features like primary myelofibrosis] Takizawa S, et al. **Rinsho Ketsueki** 1984 Dec;25(12):1967-72 (Eng. Abstr.) **(Jpn)**

[The megakaryoblastic component of mixed blast crises] San Miguel JF, et al. **Sangre (Barc)** 1985;30(3):330-6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Myelofibrosis with myeloid metaplasia: pathophysiologic implications of the correlation between bone marrow changes and progression of splenomegaly. Wolf BC, et al. **Blood** 1985 Apr;65(4):803-9

An in vitro study of basophil production in chronic myeloproliferative disorders. Piacibello W, et al. **Exp Hematol** 1984 Nov;12(10):759-62

Increased platelet aggregation following splenectomy in patients with myeloproliferative disease. Aviram M, et al. **Isr J Med Sci** 1985 May;21(5):415-7

Reversible myelofibrosis? [editorial] **Lancet** 1985 Mar 2; 1(8427):497-9

RADIONUCLIDE IMAGING

Diagnostic value of bone marrow imaging with 111indium-transferrin and 99m technetium-colloids in myelofibrosis. Arrago JP, et al. **Am J Hematol** 1985 Mar; 18(3):275-82

[Nuclear medicine studies in osteomyelofibrosis] Borota R, et al. **Med Pregl** 1984;37(7-8):289-92 (Eng. Abstr.) **(Scr)**

VETERINARY

Secondary myelofibrosis in three dogs. Weiss DJ, et al. **J Am Vet Med Assoc** 1985 Aug 15;187(4):423-5

MYELOGRAPHY

Neural tissue uptake and clearance of iohexol following lumbar myelography in rabbits. Ekholm SE, et al. **Acta Radiol [Diagn] (Stockh)** 1985 May-Jun;26(3):331-6

Lumbar myelography with metrizamide in rabbits. An investigation of contrast media penetration and resorption. Ekholm SE, et al. **Acta Radiol [Diagn] (Stockh)** 1984; 25(6):517-22

Myelography with iohexol (Omnipaque): review of 300 cases. Burrows EH. **AJNR** 1985 May-Jun;6(3):349-51

Evaluation of myelographic contrast-medium tolerance with psychometric testing. Hammeke TA, et al. **AJNR** 1985 May-Jun;6(3):343-8

Myelographic demonstration of 'nodular radiculopathy' in acute myelogenous leukemia. Mirvis S, et al. **AJNR** 1984 Sep-Oct;5(5):641-3

Metrizamide CT myelography in cervical myelopathy and radiculopathy: correlation with conventional myelography and surgical findings. Badami JP, et al. **AJR** 1985 Apr; 144(4):675-80

Nonefficacy of routine removal of CSF during neurodiagnostic procedures. Rothfus WE, et al. **AJR** 1985 Feb;144(2):391-4

Brain parenchyma penetration by metrizamide following lumbar myelography. Sage MR, et al. **Australas Radiol** 1984 May;28(2):90-6

Cervical myelography with iohexol. Kendall B, et al. **Br J Radiol** 1984 Sep;57(682):785-7

Guidelines for cervical myelography: lumbar versus cervical puncture technique. Teasdale E, et al. **Br J Radiol** 1984 Sep;57(682):789-93

Pitfalls of incomplete myelography with thoracic spinal lesions. Cohen HC, et al. **Can J Neurol Sci** 1985 May; 12(2):121-4

Myelography for staging medulloblastoma. Deutsch M, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1763-6

Surgically confirmed myelographic classification of congenital intraspinal lipoma in the lumbosacral region. Sato K, et al. **Childs Nerv Syst** 1985;1(1):3-11

A comparison of CT scanning and myelography in the diagnosis of lumbar disc herniation. Bosacco SJ, et al. **Clin Orthop** 1984 Nov;(190):124-8

Lateral L3/4 herniated nucleus pulposus: clinical and imaging considerations. Fries JW, et al. **Comput Radiol** 1984 Nov-Dec;8(6):341-54

Evaluation of spinal infections by plain radiographs, computed tomography, intrathecal metrizamide, and CT-guided biopsy. McGahan JP, et al. **Diagn Imag Clin Med** 1985;54(1):11-20

The penetration of metrizamide into the brain after routine lumbar myelography as shown by cerebral computed tomography and its effect on auditory brainstem transmission time. Brekkan A, et al. **Eur J Radiol** 1985 Feb; 5(1):48-51

Iohexol: a new nonionic contrast medium for myelography and cisternography with markedly reduced neurotoxicity. Gonsette RE, et al. **Invest Radiol** 1985 Jan-Feb;20(1 Suppl):S32-6

Lumbar myelography with iohexol and metrizamide. A comparative multicenter prospective study. Kieffer SA, et al. **Invest Radiol** 1985 Jan-Feb;20(1 Suppl):S22-30

Iohexol vs. iopamidol for myelography. Lamb JT. **Invest Radiol** 1985 Jan-Feb;20(1 Suppl):S37-43

Cranial and spinal cerebrospinal fluid absorption and the clearance of water-soluble myelographic contrast media. A review. Potts DG, et al. **Invest Radiol** 1985 Jan-Feb;20(1 Suppl):S51-4

Iohexol: summary of North American and European clinical trials in adult lumbar, thoracic, and cervical myelography with a new nonionic contrast medium. Shaw DD, et al. **Invest Radiol** 1985 Jan-Feb;20(1 Suppl):S44-50

Role of computed tomography and myelography in the diagnosis of central spinal stenosis. Bolender NF, et al. **J Bone Joint Surg [Am]** 1985 Feb;67(2):240-6

Intracranial metrizamide following myelography. Llewellyn G, et al. **J Can Assoc Radiol** 1984 Sep;35(3):259-61

Double blind study of the toxicity of intrathecal iopamidol and metrizamide in lumbar myelography. Vézina JL, et al. **J Can Assoc Radiol** 1984 Sep;35(3):257-8

CT myelography of spontaneous spinal epidural hematoma. Lanzieri CF, et al. **J Comput Assist Tomogr** 1985 Mar-Apr; 9(2):393-4

CT myelography in cervical nerve root avulsion. Petras AF, et al. **J Comput Assist Tomogr** 1985 Mar-Apr;9(2):275-9

Postmyelographic CT evaluation of multiple blocks due to metastases. Tan WS, et al. **J Comput Assist Tomogr** 1985 Sep-Oct;9(5):979-81

Multiple adverse reactions following metrizamide myelography [letter] Paschalis C, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):720

Metrizamide myelography in patients with small cell carcinoma of the lung suspected of meningeal carcinomatosis. Pedersen AG, et al. **J Neurooncol** 1985; 3(1):85-9

Myelographic features of the normal external spinal veins. Meder JF, et al. **J Neuroradiol** 1984;11(4):315-25 **(Eng, Fre)**

Water-soluble myelography for the study of dural arteriovenous fistulae of the spine draining in the spinal venous system. N'Diaye M, et al. **J Neuroradiol** 1984; 11(4):327-39 **(Eng, Fre)**

Acute myelography in cervical injuries. Nyström B, et al. **J Neurosurg Sci** 1984 Jul-Dec;28(3-4):237-40

Exploring the normal myelogram. An historical perspective. Haines SJ, et al. **Minn Med** 1985 Jul;68(7):529-32

Symptomatic diverticulum of the sacral nerve root sheath. Eisenberg D, et al. **Neuroradiology** 1985;27(2):183

Computed tomographic myelography (CTM) in atlanto-axial rheumatoid arthritis. Laasonen EM, et al. **Neuroradiology** 1985;27(2):119-22

Aseptic meningitis secondary to metrizamide lumbar myelography in a 4 1/2-month-old infant. DiMario FJ Jr. **Pediatrics** 1985 Aug;76(2):259-62

Outpatient lumbar myelography with metrizamide. Kostiner AI, et al. **Radiology** 1985 May;155(2):383-5

Metrizamide-iophendylate layering technique for thoracolumbar myelography. Smith SP, et al. **Radiology** 1984 Dec;153(3):821-2

Iopamidol for myelography--practical implications. de Villiers PD, et al. **S Afr Med J** 1984 Nov 3;66(18):697-8

A study of computer-assisted tomography. II. Comparison of metrizamide myelography and computed tomography in the diagnosis of herniated lumbar disc and spinal stenosis. Bell GR, et al. **Spine** 1984 Sep;9(6):552-6

An experimental study of different contrast media in the epidural space. Gupta RC, et al. **Spine** 1984 Nov-Dec; 9(8):778-81

Differential diagnosis of recurrent lumbar disc herniation and postoperative deformation by myelography. An impossible task. Irstam L. **Spine** 1984 Oct;9(7):759-63

A study of computer-assisted tomography. Rothman RH. **Spine** 1984 Sep;9(6):548

Myelography in the elderly and the diagnosis of spinal stenosis. Udén A, et al. **Spine** 1985 Mar;10(2):171-4

[Respective importance of the intradural contrast examination and of the scanning in operable sciatica] Hubault A. **Rev Rhum Mal Osteoartic** 1984 Nov; 51(10):553-8 (Eng. Abstr.) **(Fre)**

[Current diagnosis of diastematomyelia] Lau M, et al. **Beitr Orthop Traumatol** 1985 May;32(5):249-57 (Eng. Abstr.) **(Ger)**

[Lumbar cisternography in the evaluation of hydrocephalus in premature infants] Roloff DW. **Klin Padiatr** 1985 Mar-Apr;197(2):158 (Eng. Abstr.) **(Ger)**

[Comparative study of somatosensory evoked potentials, whole body computer tomography and myelography in spinal space-occupying lesions] Jörg J, et al. **Orthopade** 1985 Apr;14(2):88-92 (Eng. Abstr.) **(Ger)**

[Lumbosacral functional myelography including the dorsolumbar transitional region (medullary cone). Clinical comparative studies--2000 myelographies with metrizamide] Grobovschek M. **Radiologe** 1984 Aug; 24(8):389-98 (69 ref.) (Eng. Abstr.) **(Ger)**

[Sonographic determination of spinal canal width. Comparison of computed tomography, myelography and conventional roentgen study of the lumbar spine] Helzel MV, et al. **Radiologe** 1985 Jun;25(6):277-83 (Eng. Abstr.) **(Ger)**

[CT and myelographic findings in Recklinghausen's neurofibromatosis] Strohecker J, et al. **ROFO** 1984 Nov; 141(5):590-1 **(Ger)**

[Cerebellopontine angle epidermoid showing a positive enhancement upon metrizamide CT cisternography] Hasegawa T, et al. **Rinsho Hoshasen** 1985 Apr; 30(4):497-500 (Eng. Abstr.) **(Jpn)**

[Demonstration of central cavity in juvenile type of distal and segmental muscular atrophy of upper extremities] Mukai E, et al. **Rinsho Shinkeigaku** 1984 Jun;24(6):562-6 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Psychologic tests in the evaluation of psychic changes after myelography with metrizamide. Cronqvist SE, et al.

Acta Radiol [Diagn] (Stockh) 1984;25(4):257-60

Nonconvulsive status epilepticus following metrizamide myelogram [letter] Levin R, et al. **Ann Neurol** 1985 May; 17(5):518-9

Unusual cause of pulmonary emboli. Vitums VC. **Chest** 1984 Oct;86(4):639

Cranial subdural hematoma following lumbar myelography. Gupta SR, et al. **Comput Radiol** 1985 Mar-Apr;9(2):129-31

Generalized motor seizure following metrizamide cisternography. Saltiel E, et al. **Drug Intell Clin Pharm** 1984 Nov;18(11):894-6

Pathogenesis of postmyelographic arachnoiditis. Garancis JC, et al. **Invest Radiol** 1985 Jan-Feb;20(1):85-9

Prolonged delirium after metrizamide myelography. Elliott RL, et al. **JAMA** 1984 Oct 19;252(15):2057-8

Routine bed rest is unnecessary after cervical myelography. Macpherson P, et al. **Neuroradiology** 1985;27(3):214-6

Accidental introduction of contrast medium into the cervical spinal cord. A case report. Servo A, et al. **Neuroradiology** 1985;27(1):80-2

Discrimination between thorotrast and iodine contrast medium by means of dual-energy CT scanning. Takai M, et al. **Phys Med Biol** 1984 Aug;29(8):959-67

[Transient paralysis of the upper limb following metrizamide myelography] Madsen NH. **Ugeskr Laeger** 1985 May 13; 147(20):1627-8 (Eng. Abstr.) **(Dan)**

[Meningitis following myelography] Kallio M, et al. **Duodecim** 1984;100(18):1183-7 (Eng. Abstr.) **(Fin)**

[Myelography and headache] Hammer B. **Wien Med Wochenschr** 1985 Jun 15;135(11):259-63 (Eng. Abstr.) **(Ger)**

[Acute meningitis after metrizamide myelography. Unnecessary use of disinfectants (letter)] Lingaas E. **Tidsskr Nor Laegeforen** 1985 Apr 30;105(12):834 **(Nor)**

INSTRUMENTATION

Thin spinal or biopsy needle guidance. Mirfakhraee M, et al. **Radiology** 1985 Jan;154(1):240-2

[Cervical Amipaque myelography with lateral C1/C2 puncture with a conventional fluoroscopy device] Kittel J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jun; 36(6):347-9 (Eng. Abstr.) **(Ger)**

METHODS

Tumors of the occipito-cervical junction: diagnosis by computed myelocisternography. Pichezzi P, et al. **Acta Neurol (Napoli)** 1985 Feb;7(1):43-7

Psychic changes following myelography with metrizamide and iohexol. A comparative investigation with psychologic tests. Cronqvist SE, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(5):369-73

Lumbar myelography with iohexol and metrizamide. A double-blind clinical trial. Hindmarsh T, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(5):365-8

Direct 'metrizamide' myelocystography in syringohydromyelia. Report of 3 cases. de Silva M, et al. **Australas Radiol** 1984 Nov;28(4):311-6

Prone computed tomography metrizamide myelography: a technique for improved diagnosis of lumbar disc herniation. Barmeir E, et al. **Clin Radiol** 1984 Nov;35(6):479-81

Computed tomography with metrizamide myelography to define the extent of spinal canal block due to tumor. Fink IJ, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1072-5

Functional cervical myelography with iohexol. Nakstad P, et al. **Neuroradiology** 1985;27(3):220-5

Iohexol compared to metrizamide in cervical and thoracic myelography. A randomized double blind parallel study. Nakstad P, et al. **Neuroradiology** 1984;26(6):479-84

Multiple intradural arachnoid diverticuli: the need for complete myelography. Schroeder KA, et al. **Neurosurgery** 1984 Dec;15(6):863-7

[The risk of spinal herniation in spinal cord compression; lumbar or cervical myelography] Vecht CJ, et al. **Ned Tijdschr Geneeskd** 1985 Jan 26;129(4):171-4 (Eng. Abstr.) **(Dut)**

[Digital subtraction myelography--a preliminary report on the use of the digital subtraction technic in myelography] Heimberger K, et al. **Digitale Bilddiagn** 1985 Jun;5(2):100-2 (Eng. Abstr.) **(Ger)**

[Endomyelography and CT in hydrosyringomyelia and intramedullary drainage operations] Molsen HP, et al. **Radiol Diagn (Berl)** 1985;26(3):349-57 (Eng. Abstr.) **(Ger)**

[Intrathecal roentgen contrasting--experiences with iopamidol] Stellamor V, et al. **Rontgenpraxis** 1984 Jun; 37(6):213-9 **(Ger)**

[Symposium: Progress in contrast media] **Radiol Med (Torino)** 1984 Apr;70(4 Suppl 1):25-44 **(Ita)**

[Myelography using amipaque in the diagnosis of diseases and injuries of the spinal cord and spine] Kornienko VN, et al. **Vestn Rentgenol Radiol** 1985 May-Jun;(3):24-30 (Eng. Abstr.) **(Rus)**

[Method of ascending myelography with Myodil in the diagnosis of spinal cord lesions] Morozova TD, et al. **Vestn Rentgenol Radiol** 1984 Nov-Dec;(6):28-30 (Eng. Abstr.) **(Rus)**

[Use of non-ionogenic contrast media for myelography] Sviridov NK, et al. **Zh Vopr Neirokhir** 1984 Jul-Aug; (4):50-3 (31 ref.) **(Rus)**

MYELOID METAPLASIA

CHEMICALLY INDUCED

Therapy-related acute myeloid leukemia and myelodysplastic syndrome: a clinical and morphologic study of 65 cases. Michels SD, et al. **Blood** 1985 Jun;65(6):1364-72

COMPLICATIONS

Diabetes insipidus caused by extramedullary hematopoiesis. Badon SJ, et al. **Am J Clin Pathol** 1985 Apr;83(4):509-12

A case of agnogenic myeloid metaplasia evolving into acute myelogenous leukemia associated with the development of trisomy 11 in bone marrow cells. Dang CV, et al. **Am J Hematol** 1985 Jul;19(3):285-8

Extramedullary hematopoiesis [letter] Levine LE, et al. **Arch Dermatol** 1984 Oct;120(10):1282

Coexistence of myeloid metaplasia with myelofibrosis and hairy-cell leukemia. Subramanian VP, et al. **Arch Intern Med** 1985 Jan;145(1):164-6

Extramedullary hematopoiesis. A cause of severe generalized lymphadenopathy in agnogenic myeloid metaplasia. Williams ME, et al. **Arch Intern Med** 1985 Jul;145(7):1308-9

[Extensive intra-abdominal tumor masses in primary osteomyelofibrosis] Krause MW, et al. **Schweiz Med Wochenschr** 1985 Jan 5;115(1):24-9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Secondary myelofibrosis with metastatic breast cancer simulating agnogenic myeloid metaplasia: report of a case and review of the literature. Yablonski-Peretz T, et al. **Med Pediatr Oncol** 1985;13(2):92-6

ETIOLOGY

[Idiopathic myelofibrosis with cutaneous myeloid metaplasia (letter)] Ribera JM, et al. **Sangre (Barc)** 1984; 29(4-A):478-80 **(Spa)**

FAMILIAL & GENETIC

[An autopsy case of myelofibrosis with myeloid metaplasia terminating in blastic transformation with chromosomal aberration (i(17q))] Nakamura H, et al. **Rinsho Ketsueki** 1984 Jun;25(6):864-9 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Evidence for retrovirus in miniature swine with radiation-induced leukemia or metaplasia. Frazier ME. **Arch Virol** 1985;83(1-2):83-97

PATHOLOGY

Megakaryocytes in ascitic fluid in a case of agnogenic myeloid metaplasia [letter] Pedio G, et al. **Acta Cytol (Baltimore)** 1985 Jan-Feb;29(1):89-90

Extramedullary hematopoietic ascitic fluid cytology in myelofibrosis. Silverman JF. **Am J Clin Pathol** 1985 Jul; 84(1):125-8

Histomorphometric analysis of sclerotic bone from idiopathic myeloid metaplasia (nine cases). Coindre JM, et al. **J Pathol** 1984 Nov;144(3):163-9

Ascites with peritoneal myeloid metaplasia in a patient with advanced non-Hodgkin's lymphoma. Tamura K, et al. **Jpn J Clin Oncol** 1985 Mar;15(1):25-33

A case of myeloid metaplasia with fatty and partially fibrotic bone marrow. Yamagishi M, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Jul;47(4):982-9

PHYSIOPATHOLOGY

Myelofibrosis with myeloid metaplasia: pathophysiologic implications of the correlation between bone marrow changes and progression of splenomegaly. Wolf BC, et al. **Blood** 1985 Apr;65(4):803-9

Increased platelet aggregation following splenectomy in patients with myeloproliferative disease. Aviram M, et al. **Isr J Med Sci** 1985 May;21(5):415-7

[Spleen versus bone marrow in idiopathic myeloid metaplasia] Aggio MC. **Sangre (Barc)** 1984;29(3):294-8 **(Spa)**

MYELOMA, PLASMA CELL see **MULTIPLE MYELOMA**

MYELOMA PROTEINS

Size, shape, and hydration of a self-associating human IgG myeloma protein: axial asymmetry as a contributing factor in serum hyperviscosity. Hall CG, et al. **Arch Biochem Biophys** 1984 Sep;233(2):330-7

Reversible self-association of a human myeloma protein. Thermodynamics and relevance to viscosity effects and solubility. Hall CG, et al. **Biochemistry** 1984 Oct 23; 23(22):5123-9

ANALYSIS

Intraneuronal accumulation of myeloma proteins. Borges LF, et al. **Arch Neurol** 1985 Jul;42(7):690-4

Structural analysis of the myeloma-associated membrane antigen KMA. Goodnow CC, et al. **J Immunol** 1985 Aug; 135(2):1276-80

Plasma cell antigen PC-1 and the transferrin receptor in mouse, rat, and hamster: serologic and biochemical analysis. van Driel IR, et al. **J Immunol** 1985 Jun;134(6):3987-93

Measurement of serum IgG4 levels by a competitive immunoenzymatic assay with monoclonal antibodies. Aucouturier P, et al. **J Immunol Methods** 1984 Nov 16; 74(1):151-62

The circular dichroism of phosphocholine-specific mouse hybridoma and myeloma proteins: unusual properties of the hybridoma protein 101.6G6. Young NM, et al. **Mol Immunol** 1985 Mar;22(3):305-11

[Immunologic and ultrastructural study of a non-secretor IgG multiple myeloma] Galán Galán F, et al. **Rev Clin Esp** 1985 Jan;176(1):46-8 (Eng. Abstr.) **(Spa)**

BLOOD

Artefactual decrease in total protein concentration in patients with monoclonal gammopathies: a method-dependent error. Whitlow KJ, et al. **Clin Biochem** 1984 Aug; 17(4):233-5

GENETICS

The antibody molecule to common acute lymphocytic leukemia (cALL) antigen used the identical or closely related VH gene segment as that of MOPC-21 immunoglobulin heavy chain. Kudo A, et al. **J Immunol** 1985 Jul;135(1):642-5

The VK gene expressed by BALB/c ABPC48 cross-reactive idiotypes induced by anti-idiotypic immunization is identical to that of BALB/c anti-oxazolone and A/J anti-arsonate antibodies. Legrain P, et al. **J Immunol** 1985 May;134(5):3468-73

T15 D region germ line amino acid sequences distinguished by monoclonal anti-idiotope antibody. Nishinarita S, et al. **J Immunol** 1985 Jan;134(1):436-42

IMMUNOLOGY

The D segment defines the T15 idiotype: the immunoresponse of A/J mice to Pneumococcus pneumoniae. Berek C. **Eur J Immunol** 1984 Nov;14(11):1043-8

Anti-DNA autoantibody activity and idiotypic relationships of human monoclonal proteins. Zouali M, et al. **Eur J Immunol** 1984 Dec;14(12):1085-9

Interaction of a streptococcal cell wall tetraheteroglycan and Salmonella telaviv lipopolysaccharide with polymeric McPC 870 and MOPC 384 mouse IgA myeloma proteins. Allen PZ, et al. **Mol Immunol** 1984 Nov;21(11):1131-41

The combining site of anti-I Ma (group 1). Lemieux RU, et al. **Mol Immunol** 1984 Sep;21(9):751-9

Idiotypic interrelationship among human myeloma proteins with distinct antibody-binding specificities. Zouali M, et al. **Rev Fr Transfus Immunohematol** 1984 Dec;27(6):729-36

H-2-linked Ir genes have a striking influence on the immunogenicity of idiotopes of myeloma protein 315 for T helper cells. Jørgensen T, et al. **Scand J Immunol** 1985 Feb;21(2):183-7

[A further confirmation of the high idiotypic specificity of carp anti-human myeloma protein sera] Richter RF, et al. **Allerg Immunol (Leipz)** 1984;30(4):237-41 (Eng. Abstr.) **(Ger)**

METABOLISM

Rate of M-component changes and plasma cell labeling index in 25 patients with multiple myeloma treated with peptichemio. Riccardi A, et al. **Cancer Treat Rep** 1985 Sep; 69(9):971-5

Interaction of heavy and light chains of myeloma immunoglobulin with pooled normal chains: quantitative analysis of association and restoration of idiotype. Ibraghimov AR, et al. **Immunol Lett** 1985;9(6):313-9

Two human IgM myeloma proteins with unusual specificities for streptococcal carbohydrate-associated epitopes. Emmrich F, et al. **Scand J Immunol** 1985 Feb;21(2):119-26

MYELOPEROXIDASE see under **PEROXIDASES**

MYELOPROLIFERATIVE DISORDERS

see related
LEUKEMIA

BLOOD

Myelodysplastic syndromes: an analysis of clinical and haematological features. Tan YO, et al. **Ann Acad Med Singapore** 1984 Jul;13(3):463-7

Simultaneous study of platelets and phagocytes in myeloproliferative disorders. Laharrague PF, et al. **Biomed Pharmacother** 1984;38(9-10):462-5

Acquired von Willebrand's disease in the myeloproliferative syndrome [letter] **Blood** 1985 Jun;65(6):1562-3

Measurement of platelet life-span in normal subjects and patients with myeloproliferative disease with indium oxine labelled platelets. Bautista AP, et al. **Br J Haematol** 1984 Dec;58(4):679-87

Lactoferrin in the myeloproliferative disorders: a search for granulopoietic regulator defects. Brown RD, et al. **Br J Haematol** 1985 Apr;59(4):617-26

Neutrophils with ring-shaped nuclei in myeloproliferative disease. Langenhuijsen MM. **Br J Haematol** 1984 Oct; 58(2):227-30

Serum beta 2-microglobulin in lymphoproliferative and myeloproliferative diseases. Child JA, et al. **Hematol Oncol** 1984 Oct-Dec;2(4):391-401 (70 ref.)

Comment on increased erythrocyte susceptibility to lipid peroxidation in myeloproliferative disorders [letter] Das Gupta A, et al. **J Lab Clin Med** 1984 Dec;104(6):1035-6

Platelet function and its disorders--some aspects from the arachidonic acid metabolism. Okuma M. **Nippon Ketsueki Gakkai Zasshi** 1984 Dec;47(8):1542-55

Diminished sensitivity of platelet aggregation to prostaglandin D2 in patients with myeloproliferative disorders and in patients with acute leukemia. Wong P, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Feb;48(1):147-54

Platelet 5-hydroxytryptamine transport and storage in myeloproliferative disorders. Cortellazzo S, et al. **Scand J Haematol** 1985 Feb;34(2):146-51

Abnormal platelet serotonin uptake and binding sites in myeloproliferative disorders. Caranobe C, et al. **Thromb Haemost** 1984 Jul 29;51(3):349-53

The value of beta TG/PF4 ratio in patients with high platelet count [letter] Fabris F, et al. **Thromb Haemost** 1985 Apr 22;53(2):288-9

Does the beta TG/PF4 ratio have any value in myeloproliferative diseases? [letter] Viero P, et al. **Thromb Haemost** 1984 Jul 29;51(3):411

Abnormalities of epinephrine-induced platelet aggregation and adenine nucleotides in myeloproliferative disorders. Yamamoto K, et al. **Thromb Haemost** 1984 Dec 29; 52(3):292-6

[Hypereosinophilic syndrome: a new case of myeloproliferative type] Maréchaud R, et al. **Rev Med Interne** 1985 Mar;6(2):155-7 **(Fre)**

[Glycosaminoglycans in leukocytes in myeloproliferative disorders] Kharchenko MF, et al. **Vopr Med Khim** 1984 Jul-Aug;30(4):86-91 (Eng. Abstr.) **(Rus)**

[Phospholipids and platelet procoagulant activity in myeloproliferative syndromes] Martínez E, et al. **Sangre (Barc)** 1985;30(1):22-7 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Myeloproliferative disorder with profound hypereosinophilia associated with chemotherapy for breast cancer. Soffer T, et al. **Cancer** 1984 Dec 1;54(11):2356-9

Endocrine factors in haematological changes seen in dogs and ferrets given oestrogens. Hart JE. **Med Hypotheses** 1985 Feb;16(2):159-63

CLASSIFICATION

Modifications in the classification of primary myelodysplastic syndromes: the addition of a scoring system. Varela BL, et al. **Hematol Oncol** 1985 Jan-Mar;3(1):55-63

[Myelodysplastic syndrome classified based on FAB proposals: analysis of 58 cases] Li TY, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Apr;24(4):217-20, 255 (Eng. Abstr.) **(Chi)**

COMPLICATIONS

Low-dose arabinosyl cytosine in acute leukemia after a myelodysplastic syndrome and in elderly leukemia. Alessandrino EP, et al. **Am J Hematol** 1985 Oct;20(2):191-3

Terminal deoxynucleotidyl transferase-positive acute leukemias evolving from a myelodysplastic syndrome. Brusamolino E, et al. **Am J Hematol** 1985 Oct;20(2):187-90

Case report: spurious hypokalemia in myeloproliferative disorders. Naparstek Y, et al. **Am J Med Sci** 1984 Nov; 288(4):175-7

Primary myeloproliferative disorder and hepatic vein thrombosis. A prospective study of erythroid colony formation in vitro in 20 patients with Budd-Chiari syndrome. Valla D, et al. **Ann Intern Med** 1985 Sep; 103(3):329-34

Painful palmar-plantar erythema in myeloproliferative disease [letter] Nielsen M. **Arch Dermatol** 1985 Oct; 121(10):1240

Acquired von Willebrand's disease in the myeloproliferative syndrome. Budde U, et al. **Blood** 1984 Nov;64(5):981-5

[Itching of the skin in myeloproliferative disease treated with cimetidine] Berild D, et al. **Ugeskr Laeger** 1985 Apr 22; 147(17):1403-4 (Eng. Abstr.) **(Dan)**

[Characteristics of fluorescein angiogram in chronic myeloproliferative disorders] Nagasawa N. **Nippon Ganka Gakkai Zasshi** 1984 Jul;88(7):1035-42 (Eng. Abstr.) **(Jpn)**

[A case of pure red cell aplasia developing during the course of myelodysplastic syndrome and successfully treated with immunosuppressive agents] Takahashi M, et al. **Rinsho Ketsueki** 1984 Sep;25(9):1458-61 (Eng. Abstr.) **(Jpn)**

[Partial red-cell aplasia of the bone marrow associated with hemoblastoses] Idel'son LI, et al. **Gematol Transfuziol** 1984 Oct;29(10):33-7 (Eng. Abstr.) **(Rus)**

[Refractory anemia with partial myeloblastosis and non-hematological neoplasms: an infrequent association? (letter)] Rigau J, et al. **Med Clin (Barc)** 1985 Apr 20; 84(15):633 **(Spa)**

DIAGNOSIS

Leukocyte common antigen--a diagnostic discriminant between hematopoietic and nonhematopoietic neoplasms in paraffin sections using monoclonal antibodies: correlation with immunologic studies and ultrastructural localization. Kurtin PJ, et al. **Hum Pathol** 1985 Apr; 16(4):353-65

Myeloproliferative syndrome in childhood. Penchansky L, et al. **Pediatr Pathol** 1983 Jul-Sep;1(3):311-8

[Culture of hematopoietic progenitor cells in the diagnosis of myeloproliferative disorders] Partanen S, et al. **Duodecim** 1985;101(4):402-9 (Eng. Abstr.) **(Fin)**

DRUG THERAPY

The effect of hydroxyurea on hemoglobin F in patients with myeloproliferative syndromes. Alter BP, et al. **Blood** 1985 Aug;66(2):373-9

Thiamphenicol induced bone marrow suppression as a therapy of myeloproliferative diseases. Fröhli P, et al. **Blut** 1984 Dec;49(6):457-63

Low-dose cytosine arabinoside in the myelodysplastic syndromes and acute myelogenous leukemia. Roberts JD, et al. **Cancer** 1985 Sep 1;56(5):1001-5

The role of lithium carbonate in the management of hemolymphoblastosis: estimation of plasmatic and erythrocyte lithium levels. Fanci R, et al. **Chemioterapia** 1985 Jun;4(3):260-4

Treatment of acute myeloid leukemia and myelodysplastic syndrome by low dose cytosine arabinoside. Weh HJ, et al. **Hamatol Bluttransfus** 1985;29:60-2

Treatment of advanced myelodysplastic syndrome with alfacalcidol [letter] Mehta AB, et al. **Lancet** 1984 Sep 29; 2(8405):761

ENZYMOLOGY

Platelet lysosomal enzymes are normal in myeloproliferative disorders. Leoncini G, et al. **Acta Haematol (Basel)** 1984; 72(3):190-4

ETIOLOGY

Pulmonary tuberculosis complicated by haemophagocytic syndrome and rifampicin-induced tubulointerstitial nephritis. Barnes N, et al. **Br J Dis Chest** 1984 Oct; 78(4):395-403

[Role of oncogenes in the genesis of hemoblastoses] Iavorkovskiĭ LI. **Eksp Onkol** 1985;7(3):12-20 (37 ref.) (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Transient myeloproliferative syndrome in a phenotypically normal infant. Hanna MD, et al. **Am J Pediatr Hematol Oncol** 1985 Spring;7(1):79-81

Clinical characteristics and prognosis of 50 patients with a myeloproliferative syndrome and deletion of part of the long arm of chromosome 5. Dewald GW, et al. **Blood** 1985 Jul;66(1):189-97

Persistent Epstein-Barr virus infection associated with monosomy 7 or chromosome 3 abnormality in childhood myeloproliferative disorders. Stollmann B, et al. **Br J Haematol** 1985 May;60(1):183-96

Clinical correlations of the 3q21;q26 cytogenetic anomaly. A leukemic or myelodysplastic syndrome with preserved or increased platelet production and lack of response to cytotoxic drug therapy. Pintado T, et al. **Cancer** 1985 Feb 1;55(3):535-41

The efficacy of direct, 24-hour culture, and mitotic synchronization methods for cytogenetic analysis of bone marrow in neoplastic hematologic disorders. Dewald GW, et al. **Cancer Genet Cytogenet** 1985 Sep;18(1):1-10

Chromosome instability is associated with hypodiploid clones in myelodysplastic syndromes. Knuutila S, et al. **Hereditas** 1984;101(1):19-30

Chromosome abnormalities in malignant hematologic disorders. Dewald GW, et al. **Mayo Clin Proc** 1985 Oct; 60(10):675-89 (71 ref.)

Cancer cytogenetics. Sanger WG, et al. **Nebr Med J** 1984 Oct;69(10):335-7

[A case of monosomy-7 myeloproliferative disorder with marked eosinophilia] Oshima Y, et al. **Rinsho Ketsueki** 1984 Sep;25(9):1433-6 (Eng. Abstr.) **(Jpn)**

[A case of myeloproliferative disorder presenting as chronic neutrophilic leukemia with detection of Ph1 chromosome in long-term culture] Sanada I, et al. **Rinsho Ketsueki** 1985 Mar;26(3):429-35 (Eng. Abstr.) **(Jpn)**

[Cytogenetics of hemoblastoses] Koblík J, et al. **Bratisl Lek Listy** 1985 Jun;83(6):646-52 (Eng. Abstr.) **(Slo)**

[Monosomy 7 in hematologic processes. Clinical and prognostic implications] Bello López JL, et al. **Sangre (Barc)** 1984;29(3):299-301 **(Spa)**

IMMUNOLOGY

[Circulating immune complexes in patients with lymphoproliferative and myeloproliferative diseases] Loni C, et al. **Quad Sclavo Diagn** 1984 Jun;20(2):193-202 (Eng. Abstr.) **(Ita)**

[Research on the immune status in patients with clonal hemopathy] Aoyagi Y. **Nippon Ketsueki Gakkai Zasshi** 1985 May;48(3):811-22 (Eng. Abstr.) **(Jpn)**

METABOLISM

Platelet membrane glycoprotein abnormalities in patients with myeloproliferative disorders and secondary thrombocytosis. Clezardin P, et al. **Br J Haematol** 1985 Jun;60(2):331-44

Normal vascular prostacyclin generation in patients with chronic myeloproliferative disorders. Cortelazzo S, et al. **Thromb Res** 1985 Jul 1;39(1):139-41

PATHOLOGY

Acute lymphoblastic leukemia following myelodysplastic syndrome. Inoshita T. **Am J Clin Pathol** 1985 Aug; 84(2):233-7

Megakaryopoiesis in chronic myeloproliferative diseases. A morphometric evaluation with special emphasis on primary thrombocythemia. Thiele J, et al. **Anal Quant Cytol** 1984 Sep;6(3):155-67

Preleukemic myelodysplastic syndromes (MDS): pathogenetical considerations based on retrospective clinicomorphological sequential studies. Fohlmeister I, et al. **Anticancer Res** 1985 Mar-Apr;5(2):179-88

Terminology in T gamma lymphoproliferative disease [letter] Ault KA, et al. **Blood** 1985 Jul;66(1):248-9

Cellular mechanisms of myeloproliferative disorders [editorial] Ogawa M. **Br J Haematol** 1984 Dec;58(4):563-5

Histologic criteria for classification and differential diagnosis of chronic myeloproliferative disorders. Frisch B, et al. **Haematologia (Budap)** 1984;17(2):209-26

Differentiation in myelodysplastic, myeloid leukaemic and normal haemopoietic cells: a new approach exploiting the synergistic interaction between differentiation inducers and DNA synthesis inhibitors. Francis GE, et al. **Hamatol Bluttransfus** 1985;29:402-8

Chronic myeloproliferative disorders (CMPD). Burkhardt R, et al. **Pathol Res Pract** 1984 Nov;179(2):131-86 (224 ref.)

Autopsy and clinical findings in acute leukemia and chronic myeloproliferative diseases--an evaluation of 104 patients. Thiele J, et al. **Pathol Res Pract** 1985 Jan;179(3):328-36

Emperipolesis--a peculiar feature of megakaryocytes as evaluated in chronic myeloproliferative diseases by morphometry and ultrastructure. Thiele J, et al. **Virchows Arch [Cell Pathol]** 1984;46(3):253-63

PHYSIOPATHOLOGY

Abnormalities of myeloid progenitor cells after 'successful' bone marrow transplantation. Li S, et al. **J Clin Invest** 1985 Jan;75(1):234-41

SURGERY

Splenectomy for myeloproliferative disorders. Wilson RE, et al. **World J Surg** 1985 Jun;9(3):431-6

THERAPY

Clinicopathologic responses in cats with feline leukemia virus-associated leukemia-lymphoma treated with staphylococcal protein A. Engelman RW, et al. **Am J Pathol** 1985 Mar;118(3):367-78

Leukocyte interferon as a possible biological response modifier in lymphoproliferative disorders resistant to standard therapy. Clark RH, et al. **J Biol Response Mod** 1984 Dec;3(6):613-9

VETERINARY

Eosinophilic myeloproliferative disorder in a horse. Morris DD, et al. **J Am Vet Med Assoc** 1984 Nov 1;185(9):993-6

Myeloproliferative disease in a cat. Yates RW, et al. **Mod Vet Pract** 1984 Oct;65(10):753-7

Myeloproliferative disorders. Young KM. **Vet Clin North Am [Small Anim Pract]** 1985 Jul; 15(4):769-81 (56 ref.)

MYELOSCLEROSIS see **MYELOFIBROSIS**

MYELOSIS, NONLEUKEMIC see **MYELOID METAPLASIA**

MYENTERIC PLEXUS

Neurological disorders of the myenteric plexus: a review. Luzzi S, et al. **Riv Patol Nerv Ment** 1983 Sep-Oct; 104(5):229-40 (49 ref.)

ANALYSIS

Dynorphin-A (1-8) is contained within perikarya, nerve fibres and nerve terminals of rat duodenum. Wolter HJ. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):610-5

A simultaneous demonstration of particular enteric neuronal cell types with the NADH:nitro BT-dehydrogenase reaction and of nerve fibres containing enkephalin-like immunoreactivity in the myenteric plexus of the porcine small intestine. Scheuermann DW, et al. **Histochemistry** 1985;82(3):269-73

ANATOMY & HISTOLOGY

A study of the myenteric plexus of the congenital aganglionosis rat (spotting lethal). Nagahama M, et al. **Anat Embryol (Berl)** 1985;171(3):285-96

Shunt fascicles in the gastric myenteric plexus in five species. Christensen J, et al. **Gastroenterology** 1985 Apr; 88(4):1020-5

Heterogeneity of ganglia of the guinea pig myenteric plexus: an in vitro study of the origin of terminals within single ganglia using a covalently bound fluorescent retrograde tracer. Takaki M, et al. **J Comp Neurol** 1985 May 22; 235(4):488-502

CYTOLOGY

Cytodifferentiation of the interstitial cells of Cajal related to the myenteric plexus of mouse intestinal muscle coat. An E.M. study from foetal to adult life. Faussone-Pellegrini MS. **Anat Embryol (Berl)** 1985;171(2):163-9

Cell-to-cell communication properties of Auerbach's plexus cell in culture. Maruyama T. **Brain Res** 1985 Jun 17; 336(2):368-71

Topography of cholinergic perikarya and nerve fibres as well as cholinergic vesicles in the rat duodenum. Wolter HJ. **Brain Res** 1985 Jul 29;339(2):337-41

Neurochemically similar myenteric and submucous neurons directly traced to the mucosa of the small intestine. Furness JB, et al. **Cell Tissue Res** 1985;241(1):155-63

Morphology and serotonergic innervation of physiologically identified cells of the guinea pig's myenteric plexus. Erde SM, et al. **J Neurosci** 1985 Mar;5(3):617-33

The calcium current in a myenteric neurone of the guinea-pig ileum. Hirst GD, et al. **J Physiol (Lond)** 1985 Apr; 361:297-314

The slow calcium-dependent potassium current in a myenteric neurone of the guinea-pig ileum. Hirst GD, et al. **J Physiol (Lond)** 1985 Apr;361:315-37

DRUG EFFECTS

Sensitivity of the myenteric plexus alpha2-receptor from guinea pig treated with clonidine or guanfacine. Martín MI, et al. **Arch Farmacol Toxicol** 1984 Aug;10(2):115-9

Pre-incubation of guinea-pig myenteric plexus with beta-funaltrexamine: discrepancy between binding assays and bioassays. Corbett AD, et al. **Br J Pharmacol** 1985 Jul;85(3):665-73

5-hydroxytryptamine releases adenosine 5'-triphosphate from nerve varicosities isolated from the myenteric plexus of guinea-pig ileum. Al-Humayyd M, et al. **Br J Pharmacol** 1985 Jan;84(1):27-34

A presynaptic site of action of substance P and vasoactive intestinal polypeptide on myenteric neurons. Yau WM, et al. **Brain Res** 1985 Mar 25;330(2):382-5

Neurochemical evidence for the release of acetylcholine from the guinea-pig ileum myenteric plexus by capsaicin. Barthó L, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):125-7

Interactions between serotonin and cisapride on myenteric neurons. Nemeth PR, et al. **Eur J Pharmacol** 1985 Jan 15; 108(1):77-83

Effects of methylene blue on electrical behavior of myenteric neurons. Nemeth PR, et al. **Experientia** 1985 Feb 15; 41(2):259-61

Substance P provoked gamma-aminobutyric acid release from the myenteric plexus of the guinea-pig small intestine. Tanaka C, et al. **J Physiol (Lond)** 1985 May;362:319-29

Benzodiazepines both enhance gamma-aminobutyrate responses and decrease calcium action potentials in guinea-pig myenteric neurones. Cherubini E, et al. **Neuroscience** 1985 Jan;14(1):309-15

ENZYMOLOGY

Light- and electron-microscopic studies on acetylcholinesterase activity in Auerbach's plexus of the developing rat colon. Ito Y, et al. **Histochemistry** 1984; 81(3):209-12

METABOLISM

Two types of receptors for 5-hydroxytryptamine on the cholinergic nerves of the guinea-pig myenteric plexus. Kilbinger H, et al. **Br J Pharmacol** 1985 Jun;85(2):529-39

Distribution of muscarinic receptors on cultured myenteric neurons. Buckley NJ, et al. **Brain Res** 1984 Sep 17; 310(1):133-7

The synaptic relationship between vasoactive intestinal polypeptide (VIP)-like immunoreactive neurons and their axon terminals in the rat small intestine: light and electron microscopic study. Maeda M, et al. **Brain Res** 1985 Mar 11;329(1-2):356-9

alpha-Melanotropin, beta-endorphin and adrenocorticotropin-like immunoreactivities are colocalized within duodenal myenteric plexus perikarya. Wolter HJ. **Brain Res** 1985 Jan 28;325(1-2):290-3

Ultrastructural evidence for beta-endorphin-like immunoreactivity in the nervous system of the rat duodenum. Wolter HJ. **Brain Res** 1985 May 13; 334(1):194-9

Changes in presynaptic release of acetylcholine during development of tolerance to the anticholinesterase, DFP. Russell RW, et al. **J Neurochem** 1985 Jul;45(1):293-9

Specific antagonism of enteric neural serotonin receptors by dipeptides of 5-hydroxytryptophan: evidence that serotonin is a mediator of slow synaptic excitation in the myenteric plexus. Takaki M, et al. **J Neurosci** 1985 Jul; 5(7):1769-80

Separate populations of opioid containing neurons in the guinea-pig intestine. Costa M, et al. **Neuropeptides** 1985 Feb;5(4-6):445-8

Binding of [3H]cyclohexyladenosine to adenosine recognition sites in guinea pig ileal membranes: comparison with binding in brain membranes. Williams M, et al. **Neurosci Lett** 1985 Jun 4;57(1):79-83

PATHOLOGY

A fluorochromic stain for nucleic acids to demonstrate submucosal and myenteric neurons in Hirschsprung's disease. Sarnat HB, et al. **Am J Clin Pathol** 1985 Jun; 83(6):722-5

Noonan syndrome in a patient with hyperplasia of the myenteric plexuses and neurofibromatosis [letter] Saul RA. **Am J Med Genet** 1985 Jul;21(3):491-2

Myenteric enkephalin neurons around the laser-photocoagulation necrosis: an immunocytochemical investigation in the guinea pig jejunum and proximal colon. Kobayashi S, et al. **Arch Histol Jpn** 1985 Apr;48(2):239-54

Enteric gliopathy in niacin-deficiency induced by CNS glio-toxin. Aikawa H, et al. **Brain Res** 1985 May 20; 334(2):354-6

Severe idiopathic constipation is associated with a distinctive abnormality of the colonic myenteric plexus. Krishnamurthy S, et al. **Gastroenterology** 1985 Jan;88(1 Pt 1):26-34

[Myenteric plexuses and colonic diverticulosis: results of a histological study] Vuong NP, et al. **Gastroenterol Clin Biol** 1985 May;9(5):434-6 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Quinacrine-induced dilation of the rat cecum and degeneration of large granular vesicle-containing neurons in the myenteric plexus. Iijima T, et al. **Cell Tissue Res** 1985;241(2):383-9

Contribution of endogenous prostaglandins to excitation of the myenteric plexus of guinea-pig ileum: are adrenergic factors involved? Yagasaki O, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):1-8

How far from the stimulation site in myenteric plexus-longitudinal muscle preparations the neurogenic cholinergic contraction can be evoked? Kadlec O, et al. **J Neural Transm** 1985;62(3-4):331-9

Significance of slow synaptic potentials for transmission of excitation in guinea-pig myenteric plexus. Morita K, et al. **Neuroscience** 1985 Feb;14(2):661-72

PHYSIOPATHOLOGY

Opioid dependence in the guinea-pig myenteric plexus is controlled by non-tolerant and tolerant opioid receptors. Schulz R, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):335-41

Sites and mechanisms of dependence in the myenteric plexus of guinea pig ileum. Collier HO, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:81-94 (52 ref.)

Opioid receptor reserve in normal and morphine-tolerant guinea pig ileum myenteric plexus. Chavkin C, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7253-7

SECRETION

Cadmium inhibition of [3H]acetylcholine secretion in guinea-pig ileum myenteric plexus. Alberts P, et al. **Acta Physiol Scand** 1985 Jun;124(2):313-6

Stimulation of acetylcholine release from guinea-pig ileal synaptosomes by cyclic nucleotides and forskolin. Reese JH, et al. **Biochem Pharmacol** 1984 Oct 1;33(19):3007-11

Adrenergic and possible nonadrenergic sources of adenosine 5'-triphosphate release from nerve varicosities isolated from ileal myenteric plexus. Al-Humayyd M, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):796-800

Two types of neuronal muscarine receptors modulating acetylcholine release from guinea-pig myenteric plexus. Kilbinger H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):304-9

ULTRASTRUCTURE

Light and electron microscopic immunocytochemistry of the same nerves from whole mount preparations. Llewellyn-Smith IJ, et al. **J Histochem Cytochem** 1985 Sep; 33(9):857-66

Separation of recycling and reserve synaptic vesicles from cholinergic nerve terminals of the myenteric plexus of guinea pig ileum. Agoston DV, et al. **J Neurochem** 1985 Jan;44(1):299-305

[Ultrastructure of neurons of the myenteric plexus in the normal cat and after temporary circulatory interruption] Liubaev VA, et al. **Arkh Anat Gistol Embriol** 1984 Aug; 87(8):22-32 (Eng. Abstr.) **(Rus)**

MYERS-BRIGGS TYPE INDICATOR see **PERSONALITY INVENTORY**

MYIASIS

Active cutaneous myiasis: a case report. Mpofu SM. **Cent Afr J Med** 1984 Aug;30(8):153-4

COMPLICATIONS

[Lucilia sericata myiasis (Diptera, Calliphoridae) in gangrene of the foot] Bauch R, et al. **Angew Parasitol** 1984 Aug; 25(3):167-9 **(Ger)**

[A report of self-amputation of the penis with subsequent complication of myiasis] Tomita M, et al. **Hinyokika Kiyo** 1984 Sep;30(9):1293-6 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Dermatobia hominis dermal myiasis. A furuncular lesion in a world traveler. File TM Jr, et al. **Arch Dermatol** 1985 Sep;121(9):1195-6

ETIOLOGY

Cutaneous myiasis caused by larvae of Cordylobia anthropophaga acquired in Europe. Baily GG, et al. **Br Med J [Clin Res]** 1985 May 18;290(6480):1473-4

Ocular myiasis: mobile conjunctival foreign body. Corrin R, et al. **Can Med Assoc J** 1985 Jun 1;132(11):1291-2

Botfly (Dermatobia hominis) myiasis. Kenney RL, et al. **Int J Dermatol** 1984 Dec;23(10):676-7

Two cases of human myiasis caused by Phaenicia sericata (Diptera: Calliphoridae) in Chicago area hospitals. Greenberg B. **J Med Entomol** 1984 Sep 28;21(5):615

Intestinal myiasis--Washington. **MMWR** 1985 Mar 15; 34(10):141-2

[Hatching of fly-maggots in a gangrenous ulcer] Michelsen I, et al. **Ugeskr Laeger** 1985 Apr 1;147(14):1199 (Eng. Abstr.) **(Dan)**

[Larvae of the housefly Fannia canicularis L. as the cause of myiasis of the bladder in humans] Skovronskiĭ RV. **Med Parazitol (Mosk)** 1985 Jan-Feb;(1):84-5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[A case of mixed otomyiasis in Ivory Coast] Fakry K, et al. **Bull Soc Pathol Exot Filiales** 1984 May-Jun;77(3):401-6 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Myiasis due to tumbu fly [letter] Chopra A, et al. **Lancet** 1985 May 18;1(8438):1165

PATHOLOGY

Dental myiasis. Shah HA, et al. **J Oral Med** 1984 Oct-Dec; 39(4):210-1

[Myiasis in the field of otorhinolaryngology] Marková M, et al. **Cesk Otolaryngol** 1984 Jul;33(4):257-9 (Eng. Abstr.) **(Cze)**

[Myiasis] Tikjøb G, et al. **Ugeskr Laeger** 1985 Apr 1; 147(14):1200-1 (Eng. Abstr.) **(Dan)**

SURGERY

Ophthalmomyiasis treated by argon-laser photocoagulation. Forman AR, et al. **Retina** 1984 Summer-Fall;4(3):163-5

THERAPY

Tackling tumbu fly larvae [letter] Oliver PR. **Lancet** 1985 Jul 6;2(8445):37

VETERINARY

Activity of closantel in the prevention of Gasterophilus and Strongylus vulgaris larval infections in equine foals and yearlings. Guerrero J, et al. **Am J Vet Res** 1985 Jan; 46(1):16-8

Initial characterisation of the sheep immune response to infections of Lucilia cuprina. Sandeman RM, et al. **Int J Parasitol** 1985 Apr;15(2):181-5

Ivermectin in fly strike [letter] Alexander JP. **Vet Rec** 1985 Jan 12;116(2):59

Ivermectin in fly strike [letter] Fletcher J. **Vet Rec** 1984 Nov 3;115(18):475

Maggot control [letter] Thomas EA. **Vet Rec** 1985 Jun 29; 116(26):699

Efficacy of nitroxynil against Oestrus ovis in sheep. Wellington AC. **Vet Rec** 1985 Mar 23;116(12):322

[The warble fly Oestromyia leporina (Diptera, Hypodermatidae) as a parasite of the wild rabbit (Oryctolagus cuniculus)] Schumann H, et al. **Angew Parasitol** 1985 Mar;26(1):51-52 **(Ger)**

[Wohlfahrtiasis in wild ungulates in the Askaniia-Nova Zoo] Treus MIu, et al. **Parazitologiia** 1985 Jan-Feb;19(1):70-2 (Eng. Abstr.) **(Rus)**

MYOBLASTOMA

ANALYSIS

Granular cell tumors contain myelin-associated glycoprotein. An immunohistochemical study using Leu 7 monoclonal antibody. Smolle J, et al. **Virchows Arch [A]** 1985;406(1):1-5

DIAGNOSIS

Multifocal granular cell tumors of the gastrointestinal tract. Fried KS, et al. **Am J Gastroenterol** 1984 Oct;79(10):751-5

Arm tumor resembling a supernumerary nipple. Toback AC. **Arch Dermatol** 1985 Jul;121(7):927, 930

Granular cell tumor: a great masquerader. Berkowitz SF, et al. **Cutis** 1985 Apr;35(4):355-6

Granular cell tumor of facial nerve diagnosed at surgery for idiopathic facial nerve paralysis. May M, et al. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):122-6

[Granular cell tumor of the esophagus. Review of the literature. Apropos of a case] Elhadad A, et al. **Ann Chir** 1984 Sep;38(6):441-5 (Eng. Abstr.) **(Fre)**

[ORL localizations of Abrikossoff's tumors. Apropos of 5 cases. A tumor which is not always benign] Bedbeder P, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(3):169–73 (Eng. Abstr.) **(Fre)**

METABOLISM

Granular cell tumors of the breast. Steroid receptor analysis and localization of carcinoembryonic antigen, myoglobin, and S100 protein. Ingram DL, et al. **Arch Pathol Lab Med** 1984 Nov;108(11):897–901

OCCURRENCE

Granular cell myoblastoma of the breast. Naraynsingh V, et al. **J R Coll Surg Edinb** 1985 Apr;30(2):91–2

PATHOLOGY

Aspiration and exfoliative cytology, including ultrastructure, of a malignant granular–cell tumor. Geisinger KR, et al. **Acta Cytol (Baltimore)** 1985 Jul–Aug;29(4):593–7

Granular–cell tumor of the breast. A cytologic, immunohistochemical and ultrastructural study of two cases. Strobel SL, et al. **Acta Cytol (Baltimore)** 1985 Jul–Aug;29(4):598–601

Granular cell tumor of the gallbladder. Report of a case. Yamaguchi K, et al. **Acta Pathol Jpn** 1985 May; 35(3):687–91

Laryngeal granular cell tumor in children. Har–El G, et al. **Am J Otolaryngol** 1985 Jan–Feb;6(1):32–4

Granular cell tumor of the trachea. Mikaelian DO, et al. **Ann Otol Rhinol Laryngol** 1984 Sep–Oct;93(5 Pt 1):457–9

Firm linear plaque on the lip of a child. Granular cell tumor (granular cell myoblastoma, granular cell schwannoma). Truhan AP, et al. **Arch Dermatol** 1985 Sep;121(9):1999, 1202

Granular cell myoblastoma of the bladder. Fletcher MS, et al. **Br J Urol** 1985 Feb;57(1):109–10

Granular cell tumor of the proximal esophagus. A rare disease. Vuyk HD, et al. **Cancer** 1985 Jan 15;55(2):445–9

Granular cell tumour of the breast. Gordon AB, et al. **Eur J Surg Oncol** 1985 Sep;11(3):269–73

Granular cell tumor of the lower lid: histological and immunohistochemical studies. Ishibashi T, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;222(2):75–8

Multiple granular cell myoblastomas—a case report. Mullins GM, et al. **Ir Med J** 1984 Sep;77(9):286–7

Granular cell tumor of the appendix. Sarma DP, et al. **J Surg Oncol** 1984 Dec;27(4):219–21

Granular cell tumor of the breast. DeMay RM, et al. **Pathol Annu** 1984;19 Pt 2:121–48

Contiguous granular cell myoblastoma and squamous cell carcinoma in the oesophagus. Mannion P, et al. **Thorax** 1985 Jul;40(7):551–3

[Granular cell tumor localized in a digital nerve] Bue P, et al. **Ugeskr Laeger** 1984 Jul 30;146(31):2319–20 (Eng. Abstr.) **(Dan)**

[Granulocellular myoblastoma of the breast: the hazards of extemporaneous peroperative frozen section] Lamarre L, et al. **Union Med Can** 1985 Feb;114(2):147–8 **(Fre)**

[Granular–cell tumor of the esophagus] Dienst C, et al. **Dtsch Med Wochenschr** 1985 Aug 30;110(35):1331–4 (Eng. Abstr.) **(Ger)**

[Granular cell myoblastoma (apropos of a case with bilateral localization in the thigh)] Bonacina P, et al. **Chir Ital** 1983 Dec;35(6):1021–5 (Eng. Abstr.) **(Ita)**

[2 cases of granular cell tumor of the breast] Iai A, et al. **Gan No Rinsho** 1984 Nov;30(14):1807–11 (Eng. Abstr.) **(Jpn)**

[Esophageal giant–cell myoblastoma (letter)] Garijo Forcada JM, et al. **Rev Clin Esp** 1985 Jun;177(1):41 **(Spa)**

RADIOGRAPHY

Granular cell tumors of the esophagus: a report of two cases and review of the literature. Coutinho DS, et al. **Am J Gastroenterol** 1985 Oct;80(10):758–62

Granular cell tumors of the esophagus. Rubesin S, et al. **Gastrointest Radiol** 1985;10(1):11–5

ULTRASTRUCTURE

Granular cell tumor of the fifth cranial nerve: further evidence for Schwann cell origin. Chimelli L, et al. **J Neuropathol Exp Neurol** 1984 Nov;43(6):634–42

[Ultrastructural study of granular cell tumor] Gasparini G, et al. **G Ital Dermatol Venereol** 1984 Nov–Dec;119(6):421–6 (Eng. Abstr.) **(Ita)**

VETERINARY

Primary cardiac granular cell tumor in a dog. Sanford SE, et al. **Vet Pathol** 1984 Sep;21(5):489–94

MYOCARDIAL CONTRACTION

Influence of blood–taking procedure on the heart function of blood donors. Ibler M, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):587–90

Clinical significance of diastolic oscillations of the left ventricle. Gibson DG, et al. **Acta Cardiol (Brux)** 1985; 40(1):1–5

Postoperative myocardial performance during glucose–induced hypophosphatemia. Rasmussen A, et al. **Acta Chir Scand** 1985;151(1):13–5

Systolic time intervals in atrial fibrillation with and without hyperthyroidism. Germanides J, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984;265:45–7

Cardiac performance in hyperthyroidism assessed by systolic time intervals and radionuclide ventriculography. Mangschau A, et al. **Acta Med Scand** 1985;217(3):265–9

Left ventricular function in newly diagnosed non–insulin–dependent (type 2) diabetics evaluated by systolic time intervals and echocardiography. Uusitupa M, et al. **Acta Med Scand** 1985;217(4):379–88

Left ventricular dimensions and systolic function in young adults with mild hypertension. Nielsen I. **Acta Med Scand [Suppl]** 1985;693:57–60

Adaptation of the circulatory system to frequently repeated submaximal workloads in the light of left ventricular contraction analysis. Markiewicz K, et al. **Acta Physiol Pol** 1983 Sep–Dec;34(5–6):581–93

End–systolic pressure–volume and stress–length relations in the assessment of ventricular function in man. Fifer MA, et al. **Adv Cardiol** 1985;32:36–55

The dynamics of rapid left ventricular filling in man. Hui WK, et al. **Adv Cardiol** 1985;32:7–35

Effects of myocardial ischemia on cardiac contractility and ion transport in working and Langendorff rabbit heart. Rhee H, et al. **Adv Exp Med Biol** 1984;180:477–87

Importance of sanguineous component of perfusate on post ischemic contractile function in the isolated rabbit heart. Viole AJ, et al. **Adv Exp Med Biol** 1984;180:511–22

The role of Ca influx in cardiac muscle excitation–contraction coupling. Assessment by extracellular Ca microelectrodes. Bers DM, et al. **Adv Myocardiol** 1985;6:49–57

Differences in electrical and mechanical recovery from ischemic heart arrest and cardioplegia. Juggi JS, et al. **Adv Myocardiol** 1985;6:491–502

The role of intracellular [Ca2+] and [H+] in contractile failure of the hypoxic heart. Orchard CH, et al. **Adv Myocardiol** 1985;6:417–27

The effects of intracellular Na on contraction and intracellular pH in mammalian cardiac muscle. Vaughan–Jones RD, et al. **Adv Myocardiol** 1985;5:313–30

Absence of a relationship between extracellular potassium accumulation and contractile failure in the ischemic or hypoxic rabbit heart. Webb SC, et al. **Adv Myocardiol** 1985; 6:405–15

Multiphasic cardiac magnetic resonance imaging: normal regional left ventricular wall thickening. Fisher MR, et al. **AJR** 1985 Jul;145(1):27–30

'Adequate' myocardial preservation for the severely impaired ventricle: an informed opinion. Heck HA Jr. **Ala Med** 1985 Jun;54(12):41–4

Decreased contractility and compliance of the left ventricle as complications of thermal trauma. Adams HR, et al. **Am Heart J** 1984 Dec;108(6):1477–87

Correlations of systolic time intervals and radionuclide angiography at rest and during exercise. Cokkinos DV, et al. **Am Heart J** 1985 Jan;109(1):104–12

Regional diastolic functional images utilizing time–domain analysis of gated radionuclide ventriculograms. Freeman ML, et al. **Am Heart J** 1985 Apr;109(4):890–9

Right ventricular function evaluated by radionuclide angiography in acute myocardial infarction. Hirsowitz GS, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):949–54

Left ventricular filling is usually normal in uncomplicated coronary disease. Inouye IK, et al. **Am Heart J** 1985 Aug; 110(2):326–31

The therapeutic implications of diastolic time changes in systemic hypertension. Jawad IA, et al. **Am Heart J** 1985 Jun;109(6):1339–45

In vivo effects of acute changes in osmolality and sodium concentration on myocardial contractility. Kozeny GA, et al. **Am Heart J** 1985 Feb;109(2):290–6

Noninvasive assessment of left ventricular wall motion abnormalities by QRS isointegral maps in previous anterior infarction. Kubota I, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):464–71

Left ventricular diastolic filling in patients with coronary artery disease and normal left ventricular function. Lavine SJ, et al. **Am Heart J** 1985 Aug;110(2):318–25

The value of echocardiographic regional wall motion abnormalities in detecting coronary artery disease in patients with or without a dilated left ventricle. Medina R, et al. **Am Heart J** 1985 Apr;109(4):799–803

Left ventricular dyskinesia following closed mitral commissurotomy. Nigri A, et al. **Am Heart J** 1984 Dec; 108(6):1550–2

Effect of end–diastolic volume on the canine left ventricular ejection fraction. Palacios I, et al. **Am Heart J** 1985 May; 109(5 Pt 1):1059–69

Abnormal systolic sound associated with mobile prosthetic mitral valve vegetation. Sharkey SW, et al. **Am Heart J** 1984 Dec;108(6):1565–7

Contractile properties of the left ventricle with aneurysm. Arvan S, et al. **Am J Cardiol** 1985 Feb 1;55(4):338–41

Radionuclide assessment of ventricular contraction at rest and during exercise following the Fontan procedure for either tricuspid atresia or single ventricle. del Torso S, et al. **Am J Cardiol** 1985 Apr 15;55(9):1127–32

Congestive heart failure with normal systolic function. Dougherty AH, et al. **Am J Cardiol** 1984 Oct 1;54(7):778–82

Relation between the transmural extent of acute myocardial infarction and associated myocardial contractility two weeks after infarction. Ellis SG, et al. **Am J Cardiol** 1985 May 1;55(11):1412–6

In vivo assessment of left ventricular wall and chamber dynamics during transient myocardial ischemia using cine computed tomography. Farmer D, et al. **Am J Cardiol** 1985 Feb 15;55(5):560–5

Dissociation between two–dimensional echocardiographic left ventricular wall motion and myocardial salvage in early experimental acute myocardial infarction in dogs. Hammerman H, et al. **Am J Cardiol** 1984 Oct 1;54(7):875–9

Mechanisms of compensation and decompensation in dilated cardiomyopathy. Hirota Y, et al. **Am J Cardiol** 1984 Nov 1;54(8):1033–8

Pattern of left ventricular diastolic filling in chronic aortic regurgitation: a gated blood pool assessment. Lavine SJ, et al. **Am J Cardiol** 1985 Jan 1;55(1):127–32

Complete pulmonic valve opening during atrial contraction after right ventricular infarction. López–Sendón J, et al. **Am J Cardiol** 1985 Sep 1;56(7):486–7

Analysis of phase–angle histograms from equilibrium radionuclide studies: correlation with semiquantitative grading of wall motion. Mancini GB, et al. **Am J Cardiol** 1985 Feb 15;55(5):535–40

Myocardial infarct size threshold for two–dimensional echocardiographic detection: sensitivity of systolic wall thickening and endocardial motion abnormalities in small versus large infarcts. Pandian NG, et al. **Am J Cardiol** 1985 Feb 15;55(5):551–5

Correlation of paradoxical atrial septal motion and an interatrial pressure gradient in severe tricuspid regurgitation. Percy RF, et al. **Am J Cardiol** 1985 May 1;55(11):1431–3

Effects of enhanced afterload and contractile state on the left ventricular late systolic wall stress–dimension relation [letter] Pouleur H, et al. **Am J Cardiol** 1984 Oct 1; 54(7):937–8

Effects of training on systolic time intervals at rest and during isometric exercise in men and women 61 to 64 years old. Seals DR, et al. **Am J Cardiol** 1985 Mar 1;55(6):797–800

Pathoanatomic correlates of regional left ventricular wall motion assessed by equilibrium radionuclide angiocardiography: a postmortem correlation. Sinusas AJ, et al. **Am J Cardiol** 1984 Nov 1;54(8):975–81

Influence of the aortic component of the second heart sound on left ventricular maximal negative dP/dt in the dog. Smith D, et al. **Am J Cardiol** 1985 Jan 1;55(1):205–9

Diastolic time during recovery from upright exercise in persons without heart disease. Sugiura T, et al. **Am J Cardiol** 1985 Jan 1;55(1):168–70

Pathophysiology of cardiac failure. Weber KT, et al. **Am J Cardiol** 1985 Jul 22;56(3):3B–7B

Relation of coronary artery disease and left ventricular systolic dysfunction to left ventricular end–diastolic pressure after left ventriculography. Wolfe CL, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1622–3

Prediction of improvement in left ventricular function after ventricular aneurysmectomy using Fourier phase and amplitude analysis of radionuclide cardiac blood pool scans. Yiannikas J, et al. **Am J Cardiol** 1985 May 1;55(11):1308–12

Calcium and cardiovascular function. Intracellular calcium levels during contraction and relaxation of mammalian cardiac and vascular smooth muscle as detected with aequorin. Morgan JP, et al. **Am J Med** 1984 Nov 5; 77(5A):33–46

Effects of loading conditions and inotropic state on rapid filling phase of left ventricle. Bahler RC, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):H523–33

Standardization of end–systolic pressure–volume relation in the dog. Belcher P, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H547–53

Ca influx and sarcoplasmic reticulum Ca release in cardiac muscle activation during postrest recovery. Bers DM. **Am J Physiol** 1985 Mar;248(3 Pt 2):H366–81

Measurement of peak systolic elastance in intact canine circulation with servo pump. Bogen DK, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H585–93

Load sensitivity of ventricular force–interval relations in conscious dogs. Caillet D, et al. **Am J Physiol** 1984 Oct; 247(4 Pt 2):H616–22

Frequency modulation and synchronization of spontaneous oscillations in cardiac cells. Capogrossi MC, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H412–8

Extracellular pH and tension during ischemia in the isolated rabbit ventricle. Couper GS, et al. **Am J Physiol** 1984 Dec; 247(6 Pt 2):H916–27

Regional myocardial perfusion and wall thickening during ischemia in conscious dogs. Gallagher KP, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H727–38

Cardiac mechanics and energetics: chemomechanical transduction in cardiac muscle. Gibbs CL, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H199–206 (67 ref.)

Effects of physiological beating on the contractility of cat ventricular muscle. Hanck DA, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H894–900

End–systolic pressure–volume, pressure–length, and stress–strain relations in canine hearts. Kaseda S, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H648–54

End–systolic pressure–length relations during changes in regional contractile state. Kaseda S, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H768–74

Structural analysis of pressure versus volume overload hypertrophy of cat right ventricle. Marino TA, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H371–9

Effects of timing of atrial systole on LV filling and mitral valve closure: computer and dog studies. Meisner JS, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H604–19

Left ventricular function and muscle mechanics in hypertrophied rabbit heart. Okada T, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H699–708

Contribution of activation–inactivation dynamics to the impairment of relaxation in hypoxic cat papillary muscle. Pasipoularides A, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R54–62

Left ventricle–aortic coupling: prediction of contraction pattern. Piene H, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):H531–40

Defining the mechanical border zone: a study in the pig heart. Sakai K, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H88–94

Evidence and quantitation of left ventricular systolic resistance. Shroff SG, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H358–70

Role of acidosis in early contractile dysfunction during ischemia: evidence from pHo measurements. Weiss J, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H760–7

Preservation of human cardiac contractility during anoxic arrest with glucose–containing cardioplegia. Lolley DM. **Am Surg** 1985 May;51(5):256–61

The effect of hypocapnia on coronary blood flow and myocardial function in the dog. Coetzee A, et al. **Anesth Analg** 1984 Nov;63(11):991–7

Systolic time intervals and the QT–QS2 interval in young female diabetics. Airaksinen J, et al. **Ann Clin Res** 1984; 16(4):188–91

Age–dependent variations of diastolic stiffness and collagen content in rat ventricular myocardium. Cappelli V, et al. **Arch Int Physiol Biochim** 1984 Aug;92(2):93–106

Starling's law of the heart: an appraisal 70 years on. O'Rourke MF. **Aust NZ J Med** 1984 Dec;14(6):879–87

Rapid changes in rate–corrected and uncorrected systolic time intervals during cold pressor test. Mäntysaari M, et al. **Aviat Space Environ Med** 1985 Feb;56(2):165–70

Certain characteristics of myocardial contractility of isovolumic dog heart at randomly variable heart rhythm. Bershitskaya ON, et al. **Basic Res Cardiol** 1985 Mar–Apr; 80(2):156–64

The two components in the shortening of unloaded ventricular myocytes: their voltage dependence. Isenberg G, et al. **Basic Res Cardiol** 1985;80 Suppl 1:117–21

Simultaneous measurements of action potentials and contractions in single cultured adult and embryonic heart muscle cells. Koidl B, et al. **Basic Res Cardiol** 1985;80 Suppl 1:111–5

Rabbit atrial myocardium in hypoxic conditions: rate dependent variation of contraction. Schüttler K, et al. **Biomed Biochim Acta** 1984;43(4):473–84

The effect of coronary perfusion pressure on contractile force in the isolated rabbit heart. Schuschke DA, et al. **Biomed Sci Instrum** 1985;21:17–25

A novel microcomputer program to analyze the effect of coronary stenosis and occlusion on regional left ventricular segmental wall motion. Yamazaki J, et al. **Biomed Sci Instrum** 1985;21:5–16

Continuum rheology of muscle contraction and its application to cardiac contractility. Tözeren A. **Biophys J** 1985 Mar;47(3):303–9

Comparison of geometrical models for evaluating left ventricular wall motion from cineangiograms. Lorente P, et al. **Biorheology** 1984;Suppl 1:175–82

Mechano–mathematical model of excitation–contraction coupling in muscle tissue. Mihailova AP, et al. **Biorheology** 1984;Suppl 1:209–12

Cervical efferent vagal stimulation related or unrelated to cardiac cycles: comparison of negative atrial inotropic effects. Cevese A, et al. **Boll Soc Ital Biol Sper** 1984 Nov 30;60(11):2009–16

Quantification of left to right shunt in atrial septal defect using systolic time intervals derived from pulsed Doppler velocimetry. Veyrat C, et al. **Br Heart J** 1984 Dec; 52(6):633–40

The absence of the descending limb of the Frank–Starling curve of the depressed guinea pig whole ventricle. Tucci PJ, et al. **Braz J Med Biol Res** 1984;17(2):129–33

Transmembrane calcium transport and the activation of cardiac contraction. Horackova M. **Can J Physiol Pharmacol** 1984 Jul;62(7):874–83

Chronotropic, inotropic, and coronary artery blood flow responses to stimulation of specific canine sympathetic nerves and ganglia. Janes RD, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1374–81

Diastolic time during exercise in normal subjects and in patients with coronary artery disease. A plethysmographic study. Ferro G, et al. **Cardiology** 1984;71(5):266–72

Systolic time intervals in isolated septal defects before and after corrective surgery. II. Ventricular septal defect. Puviani G, et al. **Cardiology** 1984;71(4):177–83

Inter–institutional variation of systolic time intervals in normal subjects [letter] Spodick DH. **Cardiology** 1984; 71(5):292–3

Comparison of left atrial and left ventricular performance in conscious dogs. Goldman S, et al. **Cardiovasc Res** 1984 Oct;18(10):604–12

Interpretation of myocardial contraction recorded from local segments. Matre K, et al. **Cardiovasc Res** 1985 Apr; 19(4):193–200

Modeling the isovolumic relaxation period. Bernardi L, et al. **Cathet Cardiovasc Diagn** 1985;11(3):255–68

Combined fluid–filled and micromanometer–tip catheter system for high–fidelity pressure recordings in infants. Colan SD. **Cathet Cardiovasc Diagn** 1984;10(6):619–23

Electrocardiographic ST–T wave patterns, extent of coronary artery disease, and left ventricular performance following non–Q–wave myocardial infarction. Gash AK, et al. **Cathet Cardiovasc Diagn** 1985;11(3):223–33

Reproducibility and accuracy of left ventricular ejection fraction and wall motion determinations using gold–195m: a new ultrashort–lived radionuclide for cardiac studies. Narahara KA, et al. **Cathet Cardiovasc Diagn** 1984; 10(4):395–401

Modification of the contractile activity of isolated rat atria by lectin–activated T–lymphocyte subsets. De Bracco MM, et al. **Cell Immunol** 1985 Jan;90(1):208–16

Quantitative assessment of global and regional left ventricular function with low–contrast dose digital subtraction ventriculography. Mancini GB, et al. **Chest** 1985 May; 87(5):598–602

An analysis of myocardial infarction. The effect of regional changes in contractility. Bogen DK, et al. **Circ Res** 1984 Dec;55(6):805–15

Relationship between myocardial fiber direction and segment shortening in the midwall of the canine left ventricle. Freeman GL, et al. **Circ Res** 1985 Jan;56(1):31–9

Temporal changes in he sympathetic–parasympathetic interactions that occur in the perfused canine atrium. Furukawa Y, et al. **Circ Res** 1984 Dec;55(6):835–41

Effects of coronary artery occlusion and reperfusion on cardiac cycle–dependent variation of myocardial ultrasonic backscatter. Glueck RM, et al. **Circ Res** 1985 May; 56(5):683–9

The economy of isometric force development, myosin isoenzyme pattern and myofibrillar ATPase activity in normal and hypothyroid rat myocardium. Holubarsch C, et al. **Circ Res** 1985 Jan;56(1):78–86

The effects of shortening on myoplasmic calcium concentration and on the action potential in mammalian ventricular muscle. Lab MJ, et al. **Circ Res** 1984 Dec; 55(6):825–9

The effect of pH on cellular and membrane calcium binding and contraction of myocardium. A possible role for sarcolemmal phospholipid in EC coupling. Langer GA. **Circ Res** 1985 Sep;57(3):374–82

The left ventricular dP/dtmax–end–diastolic volume relation in closed–chest dogs. Little WC. **Circ Res** 1985 Jun; 56(6):808–15

Mechanisms of beta–adrenergic receptor regulation in cultured chick heart cells. Role of cytoskeleton function and protein synthesis. Marsh JD, et al. **Circ Res** 1985 Jul; 57(1):171–81

Independence of myocardial oxygen consumption from pressure–volume trajectory during diastole in canine left ventricle. Suga H, et al. **Circ Res** 1984 Dec;55(6):734–9

Optimal arterial resistance for the maximal stroke work studied in isolated canine left ventricle. Sunagawa K, et al. **Circ Res** 1985 Apr;56(4):586–95

Role of afterload in determining regional right ventricular performance during coronary underperfusion in dogs. Urabe Y, et al. **Circ Res** 1985 Jul;57(1):96–104

Transmural myocardial deformation in the canine left ventricle. Normal in vivo three–dimensional finite strains. Waldman LK, et al. **Circ Res** 1985 Jul;57(1):152–63

Regulation of cardiac contractile proteins. Correlations between physiology and biochemistry. Winegrad S. **Circ Res** 1984 Nov;55(5):565–74 (87 ref.)

Myocardial function following injury and in low–flow states: introduction. Abel FL. **Circ Shock** 1985;15(4):221–6

Myocardial dysfunction in endotoxin– and E. coli–induced shock: pathophysiological mechanisms. Archer LT. **Circ Shock** 1985;15(4):261–80 (63 ref.)

Evaluation of ventricular performance in shock. Goldfarb RD. **Circ Shock** 1985;15(4):281–301

The effect of hyperdynamic sepsis on myocardial performance. McDonough KH, et al. **Circ Shock** 1985; 15(4):247–59

Depression of left ventricular performance during canine splanchnic artery occlusion shock. Nightingale LM, et al. **Circ Shock** 1984;14(2):93–106

Isolated cardiac preparations: models of intrinsic myocardial dysfunction in circulatory shock. Parker JL, et al. **Circ Shock** 1985;15(4):227–45

Usefulness of the postexercise response of systolic blood pressure in the diagnosis of coronary artery disease. Amon KW, et al. **Circulation** 1984 Dec;70(6):951–6

Simultaneous assessment of left ventricular systolic and diastolic dysfunction during pacing–induced ischemia. Aroesty JM, et al. **Circulation** 1985 May;71(5):889–900

Asynchronous left ventricular regional function and impaired global diastolic filling in patients with coronary artery disease: reversal after coronary angioplasty. Bonow RO, et al. **Circulation** 1985 Feb;71(2):297–307

Left ventricular contractility and contractile reserve in humans after cardiac transplantation. Borow KM, et al. **Circulation** 1985 May;71(5):866–72

Independence of left ventricular pressure–volume ratio from preload in man early after coronary artery bypass graft surgery. Daughters GT, et al. **Circulation** 1985 May; 71(5):945–50

Contribution of left ventricular contraction to the generation of right ventricular systolic pressure in the human heart. Feneley MP, et al. **Circulation** 1985 Mar;71(3):473–80

The natural history of regional dysfunction in a canine preparation of chronic infarction. Gibbons EF, et al. **Circulation** 1985 Feb;71(2):394–402

Linearity of the Frank–Starling relationship in the intact heart: the concept of preload recruitable stroke work. Glower DD, et al. **Circulation** 1985 May;71(5):994–1009

Association between the exercise ejection fraction response and systolic wall stress in patients with chronic aortic insufficiency. Greenberg B, et al. **Circulation** 1985 Mar; 71(3):458–65

Effects of altered site of electrical activation on myocardial performance during inotropic stimulation. Heyndrickx GR, et al. **Circulation** 1985 May;71(5):1010–6

The use of left ventricular end–ejection pressure and peak pressure in the estimation of the end–systolic pressure–volume relationship. Kono A, et al. **Circulation** 1984 Dec;70(6):1057–65

Alternating contractility in pulsus alternans studied in the isolated canine heart. McGaughey MD, et al. **Circulation** 1985 Feb;71(2):357–62

Assessment of papillary muscle function in the intact heart. Marzilli M, et al. **Circulation** 1985 May;71(5):1017–22

Effect of early postoperative volume loading on left ventricular systolic function (including left ventricular ejection fraction determined by myocardial marker) after myocardial revascularization. Miller DC, et al. **Circulation** 1985 Sep;72(3 Pt 2):II207–15

Variation of left ventricular myocardial gray level on two–dimensional echocardiograms as a result of cardiac contraction. Olshansky B, et al. **Circulation** 1984 Dec; 70(6):972–7

Alteration of diastolic filling rate during exercise radionuclide angiography: a highly sensitive technique for detection of coronary artery disease. Poliner LR, et al. **Circulation** 1984 Dec;70(6):942–50

Relationships between beat–to–beat interval and the strength of contraction in the healthy and diseased human heart. Seed WA, et al. **Circulation** 1984 Nov;70(5):799–805

Evaluation of relationship between myocardial contractile state and left ventricular function in patients with aortic regurgitation. Shen WF, et al. **Circulation** 1985 Jan; 71(1):31–8

Left ventricular chamber filling and midwall fiber lengthening in patients with left ventricular hypertrophy: overestimation of fiber velocities by conventional midwall measurements. Shimizu G, et al. **Circulation** 1985 Feb; 71(2):266–72

Diastolic abnormalities in patients with hypertrophic cardiomyopathy: relation to magnitude of left ventricular hypertrophy. Spirito P, et al. **Circulation** 1985 Aug; 72(2):310–6

Effects of global ischemia on the diastolic properties of the left ventricle in the conscious dog. Visner MS, et al. **Circulation** 1985 Mar;71(3):610–9

The dependence of myocardial ultrasonic integrated backscatter on contractile performance. Wickline SA, et al. **Circulation** 1985 Jul;72(1):183–92

The superiority of maximum fiber elastance over maximum stress–volume ratio as an index of contractile state. Wisenbaugh T, et al. **Circulation** 1985 Sep;72(3):648–53

Comparative accuracy of wall–motion analysis by digital subtraction and first–pass radionuclide ventriculography. Detrano R, et al. **Cleve Clin Q** 1985 Summer;52(2):239–43

Interaction of chronic cigarette and ethanol use on myocardium. Ahmed SS, et al. **Clin Cardiol** 1985 Mar; 8(3):129–36

Nuclear medical determination of left ventricular diastolic function in coronary heart disease. Brugger P, et al. **Clin Cardiol** 1985 Jun;8(6):353–5

Abnormal left ventricular filling in patients with sustained myocardial relaxation: assessment of diastolic parameters using radionuclide angiography and echocardiography. Bryhn M. **Clin Cardiol** 1984 Dec;7(12):639–46

Global left ventricular function and regional wall motion in pure mitral stenosis. Colle JP, et al. **Clin Cardiol** 1984 Nov; 7(11):573–80

Apical left ventricular asynergy in chronic aortic regurgitation. Di Donato M, et al. **Clin Cardiol** 1985 May; 8(5):283–9

Systolic and diastolic time intervals during spontaneous angina. Ferro G, et al. **Clin Cardiol** 1984 Nov;7(11):588–92

Combining left ventricular systolic time intervals and M–mode echocardiography in the evaluation of primary pulmonary hypertension in women. Leier CV, et al. **Clin Cardiol** 1985 Mar;8(3):166–72

Noninvasive index of cardiac contractility during stress testing: a collaborative study. Luisada AA, et al. **Clin Cardiol** 1985 Jul;8(7):375–84

Left ventricular function after elective aneurysmectomy. Lumia FJ, et al. **Clin Cardiol** 1985 Jul;8(7):385–90

Early detection of diastolic impairment in long–standing hypertension by a noninvasive volume challenge method. Marmor AT, et al. **Clin Cardiol** 1985 Mar;8(3):154–60

Mechanical properties of developing swine myocardium. Penefsky ZJ, et al. **Comp Biochem Physiol [A]** 1985; 80(3):399–409

Activation of contractility and sarcolemmal Ca2+–ATPase by Ca2+ during postnatal development of the rat heart. Vornanen M. **Comp Biochem Physiol [A]** 1984;78(4):691–5

Left ventricular morphology and function in mild to moderate essential hypertension. Niederle P, et al. **Cor Vasa** 1984;26(6):415–28

Normal and abnormal heart sounds in cardiac diagnosis. Part I: Systolic sounds. Shaver JA, et al. **Curr Probl Cardiol** 1985 Mar;10(3):1–68

Extrasystolic action potential and contraction in newborn rat myocardium. Jourdon P. **Dev Pharmacol Ther** 1984;7 Suppl 1:194–200

Influence of rat serum on cultured newborn rat heart cell inotropism. Vernimmen C, et al. **Dev Pharmacol Ther** 1984; 7 Suppl 1:201–5

A myothermal analysis of the myosin crossbridge cycling rate during isometric tetanus in normal and hypothyroid rat hearts. Alpert NR, et al. **Eur Heart J** 1984 Dec;5 Suppl F:3–11

Myocardial function structure and collagen in the spontaneously hypertensive rat: progression from compensated hypertrophy to haemodynamic impairment. Bing OH, et al. **Eur Heart J** 1984 Dec;5 Suppl F:43–52

Overall myocardial energetics in physiological conditions and in acute volume overloading. Bui-Mong-Hung, et al. **Eur Heart J** 1984 Dec;5 Suppl F:27–36

Protective effects of cardioplegia on diastolic function of hypertrophied rat hearts after hypothermic ischaemic arrest. Grousset C, et al. **Eur Heart J** 1984 Dec;5 Suppl F:347–53

Cardiac alterations at the myofibrillar level: is a redistribution of the myosin isoenzyme pattern decisive for cardiac failure in haemodynamic overload? Jacob R, et al. **Eur Heart J** 1984 Dec;5 Suppl F:13–26

Relaxation of mammalian heart muscle during chronic cardiac overload. Lecarpentier Y, et al. **Eur Heart J** 1984 Dec;5 Suppl F:37–42

Age- and exercise-related sympathetic activity in untrained volunteers, trained athletes and patients with impaired left-ventricular contractility. Lehmann M, et al. **Eur Heart J** 1984 Nov;5 Suppl E:1–7

Correlation of myosin isoenzyme alterations with myocardial function in physiologic and pathologic hypertrophy. Malhotra A, et al. **Eur Heart J** 1984 Dec;5 Suppl F:61–7

The relationship between action potential duration and force of contraction in rat myocardium. Schouten VJ. **Eur Heart J** 1984 Dec;5(12):984–92

Left ventricular isomyosins in normal and hypertrophied rat and human hearts. Schwartz K, et al. **Eur Heart J** 1984 Dec;5 Suppl F:77–83

Correlation between haemodynamic and metabolic changes in three models of experimental cardiac hypertrophy. Zimmer HG. **Eur Heart J** 1984 Dec;5 Suppl F:171–9

Amplitude distribution in the right ventricle. Ham HR, et al. **Eur J Nucl Med** 1985;10(1–2):75–6

Value of combined assessment of global and segmental ventricular contraction with right anterior oblique ECG-gated first-pass and left anterior oblique equilibrium radionuclide ventriculography. Kelly MJ, et al. **Eur J Nucl Med** 1985;10(5–6):214–21

Phase quadrature shift between left and right ventricles during a ventricular tachycardia attack. Philippe L, et al. **Eur J Nucl Med** 1984;9(8):385–7

Effects of locally generated angiotensin II on noradrenergic transmission in guinea-pig isolated atria. Ziogas J, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):11–8

Study of isovolumic relaxation in man. Gibson DG. **G Ital Cardiol** 1984 Nov;14(11):875–80

Regional myocardial performance before, during and after coronary occlusion. Levantesi D, et al. **G Ital Cardiol** 1984 Aug;14(8):624–6

Possible mechanisms involved in the development of the calcium paradox. Ruigrok TJ. **Gen Physiol Biophys** 1985 Apr;4(2):155–65

Alterations of contractility and sarcoplasmic reticulum function of rat heart in experimental hypo- and hyperthyroidism. Takács IE, et al. **Gen Physiol Biophys** 1985 Jun;4(3):271–8

Indices of left ventricular systolic function derived by computer analysis of digitised M-mode echocardiograms. Bett JH, et al. **Herz** 1985 Apr;10(2):120–4

Timing of operation for chronic aortic regurgitation: influence of left ventricular function on clinical management. Bonow RO. **Herz** 1984 Dec;9(6):319–32

Left ventricular mass, volume and biopsy analysis in prediction of ventricular function after surgery for chronic aortic regurgitation. Donaldson RM, et al. **Herz** 1984 Dec; 9(6):333–40

The value of rest and exercise radionuclide ventriculography as compared to echocardiography and angiography in the detection of left ventricular dysfunction in patients with chronic aortic regurgitation. Firth BG. **Herz** 1984 Oct; 9(5):279–87

Diastolic function in aortic valve disease: techniques of evaluation and pre-/postoperative changes. Hess OM, et al. **Herz** 1984 Oct;9(5):288–96

Left ventricular function and myocardial structure in aortic valve disease before and after surgery. Krayenbuehl HP, et al. **Herz** 1984 Oct;9(5):270–8

Assessment of systolic ventricular muscle function in man: the end systolic index. Spann JF, et al. **Herz** 1984 Oct; 9(5):255–69

Left ventricular function in mitral valve disease. Toutouzas P. **Herz** 1984 Oct;9(5):297–305

Role of protein kinase and contractile force in the regulation of myocardial lipolysis. Rabin RA, et al. **Horm Metab Res** 1984 Sep;16(9):465–7

Left ventricular wall stress and systolic function in untreated primary hypertension. Hartford M, et al. **Hypertension** 1985 Jan–Feb;7(1):97–104

Cardiac contractile and coronary flow reserves in deoxycorticosterone acetate-salt hypertensive rats. Yamamoto J, et al. **Hypertension** 1985 Jul–Aug;7(4):569–77

Radionuclide assessment of left and right ventricular function following acute myocardial infarction. Khanna CM, et al. **Indian Heart J** 1985 Jan–Feb;37(1):8–12

On the double presystolic wave of the jugular tracing. Luisada AA, et al. **Indian Heart J** 1985 Mar–Apr;37(2):86–8

Computer analysis of left ventricular ejection fraction and segmental wall motion––a preliminary study. Pahlajani DB, et al. **Indian Heart J** 1984 May–Jun;36(3):139–41

Systolic time intervals in anemic children with or without congestive heart failure. Puri VK, et al. **Indian J Pediatr** 1984 Jul–Aug;51(411):407–11

Relationships between single-vessel coronary artery obstructions and wall motion dysfunction analyzed by four computer-based methods. Lorente P, et al. **Int J Cardiol** 1985 Apr;7(4):361–74

Relation between myocardial contractility, hypertrophy and pump performance in patients with chronic aortic regurgitation: an echocardiographic study. Scognamiglio R, et al. **Int J Cardiol** 1984 Oct;6(4):473–88

Left ventricular performance in unstable angina: assessment with radionuclide techniques. van der Wall EE, et al. **Int J Cardiol** 1985 Jul;8(3):287–99

Assessment of dysfunction in aortic regurgitation by stress-shortening relationship. Weiss RJ, et al. **Int J Cardiol** 1985 Aug;8(4):475–86

Variable inotropic effect of immune cells on mice atria––participation of metabolic products of arachidonic acid. Borda E, et al. **Int J Immunopharmacol** 1984; 6(6):629–36

Intuitive and factual approaches in the comparison of contractility and repolarization measures of sympathetic myocardial activity. Furedy JJ, et al. **Int J Psychophysiol** 1985 Apr;2(4):235–7

Augmentation of the auditory event related potentials of the brain during diastole. Sandman CA. **Int J Psychophysiol** 1984 Nov;2(2):111–9

The measurement of multidimensional myocardial dynamics using scattered radiation fields. McInerney JJ, et al. **Invest Radiol** 1984 Sep–Oct;19(5):385–93

Three-dimensional left ventricular wall motion in man. Coordinate systems for representing wall movement direction. Potel MJ, et al. **Invest Radiol** 1984 Nov–Dec; 19(6):499–509

Regional differences in the cyclic variation of myocardial backscatter that parallel regional differences in contractile performance. Mottley JG, et al. **J Acoust Soc Am** 1984 Dec;76(6):1617–23

Development of infundibular obstruction after percutaneous pulmonary balloon valvuloplasty. Ben-Shachar G, et al. **J Am Coll Cardiol** 1985 Mar;5(3):754–6

Diastolic atrial compression in a premature infant [letter] Casta A. **J Am Coll Cardiol** 1984 Nov;4(5):1069–71

Left ventricular diastolic function in elite athletes with physiologic cardiac hypertrophy. Colan SD, et al. **J Am Coll Cardiol** 1985 Sep;6(3):545–9

Left ventricular end-systolic wall stress-velocity of fiber shortening relation: a load-independent index of myocardial contractility. Colan SD, et al. **J Am Coll Cardiol** 1984 Oct;4(4):715–24

Tomographic gated blood pool radionuclide ventriculography: analysis of wall motion and left ventricular volumes in patients with coronary artery disease. Corbett JR, et al. **J Am Coll Cardiol** 1985 Aug; 6(2):349–58

Mid-diastolic opening of the pulmonary valve after right ventricular infarction. Doyle T, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):366–8

Electromechanical dissociation and its possible role in sudden cardiac death. Fozzard HA. **J Am Coll Cardiol** 1985 Jun; 5(6 Suppl):31B–34B (19 ref.)

Phase image characterization of localized and generalized left ventricular contraction abnormalities. Frais M, et al. **J Am Coll Cardiol** 1984 Nov;4(5):987–98

Asynchronous (segmental early) relaxation of the left ventricle. Gaasch WH, et al. **J Am Coll Cardiol** 1985 Apr; 5(4):891–7 (33 ref.)

Increased right ventricular wall thickness in left ventricular pressure overload: echocardiographic determination of hypertrophic response of the 'nonstressed' ventricle. Gottdiener JS, et al. **J Am Coll Cardiol** 1985 Sep;6(3):550–5

Epicardial wall motion and left ventricular function during coronary graft angioplasty in humans. Jaski BE, et al. **J Am Coll Cardiol** 1985 Sep;6(3):695–700

Plasma epinephrine concentration in healthy men: correlation with systolic pressure and rate-pressure product. Krakoff LR, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):352–6

Effects of pressure-controlled intermittent coronary sinus occlusion on regional ischemic myocardial function. Mohl W, et al. **J Am Coll Cardiol** 1985 Apr;5(4):939–47

An echocardiographic index for separation of right ventricular volume and pressure overload. Ryan T, et al. **J Am Coll Cardiol** 1985 Apr;5(4):918–27

Changes in diastolic properties of the regional myocardium during pacing-induced ischemia in human subjects. Sasayama S, et al. **J Am Coll Cardiol** 1985 Mar;5(3):599–606

Peak regional acceleration: a method to identify subtle regional ventricular dysfunction from gated blood pool scans at rest in patients with coronary artery disease. Schwarzberg RJ, et al. **J Am Coll Cardiol** 1985 Sep; 6(3):589–96

Regional myocardial function is not affected by severe coronary depressurization provided coronary blood flow is maintained. Smalling RW, et al. **J Am Coll Cardiol** 1985 Apr;5(4):948–55

Pulsus alternans: a systolic phenomenon? [letter] Spodick DH. **J Am Coll Cardiol** 1984 Nov;4(5):1065–6

Effects of left ventricular asynchrony on time constant and extrapolated pressure of left ventricular pressure decay in coronary artery disease. Takeuchi M, et al. **J Am Coll Cardiol** 1985 Sep;6(3):597–602

Segmental wall motion abnormalities in dilated cardiomyopathy: a common finding and good prognostic sign. Wallis DE, et al. **J Am Coll Cardiol** 1984 Oct; 4(4):674–9

Volumetric responses of right and left ventricles during upright exercise in normal subjects. Mahler DA, et al. **J Appl Physiol** 1985 Jun;58(6):1818–22

Cardiogenic motion of right lung parenchyma in anesthetized intact dogs. Wei JH, et al. **J Appl Physiol** 1985 Feb; 58(2):384–91

The effect of cardiac autonomic blockade on ventricular response to changes in preload. Raven PB, et al. **J Auton Nerv Syst** 1985 Jul;13(3):263–72

Incremental elastic modulus for ventricles in diastole. Demiray H. **J Biomech** 1984;17(8):621–6

Constitutive stress––strain relations for the myocardium in diastole. Moskowitz SE. **J Biomech** 1985;18(3):177–87

Myocardial material mechanics: characteristic variation of the circumferential and longitudinal systolic moduli in left ventricular dysfunction. Phillips CA, et al. **J Biomech** 1984; 17(8):561–8

Early diastolic events associated with the physiologic and pathologic S3. Shaver JA, et al. **J Cardiogr** 1984 Oct;14 Suppl 5:30–46

ACG and STI changes in unstable ischemic heart disease. Wayne HH. **J Cardiogr** 1984 Oct;14 Suppl 5:18–21

Influence of altered thyroid state on the interval-strength relationship of paced left atria of rats. Handberg GM, et al. **J Cardiovasc Pharmacol** 1984 Sep–Oct;6(5):936–42

Early diastolic posterior aortic root slope, a clinical guide to the severity of mitral stenosis. Sniderman A, et al. **J Chronic Dis** 1985;38(9):767–74

Reversible abnormalities of myocardial relaxation in hypothyroidism. Vora J, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):269–72

Reduction of sympathetic inotropic response after ischemia in dogs. Contributor to stunned myocardium. Ciuffo AA, et al. **J Clin Invest** 1985 May;75(5):1504–9

Congenital goitrous hypothyroidism: discordant systolic time intervals, pituitary and peripheral responses to high daily doses of T4 or T3 therapy. Cavaliere H, et al. **J Endocrinol Invest** 1984 Aug;7(4):367–72

Mitral systolic honk in a case of congenitally corrected transposition of the great vessels. Iarussi D, et al. **J Med** 1984;15(3):227–32

Reduction of intrinsic contractile reserves of the left ventricle by Escherichia coli endotoxin shock in guinea-pigs. Adams HR, et al. **J Mol Cell Cardiol** 1985 Jun;17(6):575–85

Uniform sarcomere behaviour during twitch of intact single cardiac cells. De Clerck NM, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):735–45

Inhibitory adenosine receptors in the heart: characterization by ligand binding studies and effects on beta-adrenergic receptor stimulated adenylate cyclase and membrane protein phosphorylation. Hosey MM, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):931–42

Radionuclide ventriculography: usefulness in evaluating alterations in ventricular function. Rellas JS, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):695–708

'Calcium paradox' in the heart is modulated by cell sodium during the calcium-free period. Ruaño-Arroyo G, et al. **J Mol Cell Cardiol** 1984 Sep;16(9):783–93

Positron computed tomography for the in vivo assessment of regional myocardial function. Schelbert HR, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):683–93

Intracellular pH and contraction of isolated rabbit and cat papillary muscle: effect of superfusate buffering. Vanheel B, et al. **J Mol Cell Cardiol** 1985 Jan;17(1):23–9

Separation of inherent diastolic myocardial fiber tension and coronary vascular erectile contributions to wall stiffness of rabbit hearts damaged by ischemia, hypoxia, calcium paradox and reperfusion. Vogel WM, et al. **J Mol Cell Cardiol** 1985 Jan;17(1):57–70

Myocardial dysfunction in children with acute meningococcemia. Boucek MM, et al. **J Pediatr** 1984 Oct; 105(4):538–42

Velocity of sarcomere shortening in rat cardiac muscle: relationship to force, sarcomere length, calcium and time. Daniels M, et al. **J Physiol (Lond)** 1984 Oct;355:367–81

The quantitative relationship between twitch tension and intracellular sodium activity in sheep cardiac Purkinje fibres. Eisner DA, et al. **J Physiol (Lond)** 1984 Oct; 355:251–66

Effect of cephalic carbon dioxide tension on the cardiac inotropic response to carotid chemoreceptor stimulation in dogs. Hainsworth R, et al. **J Physiol (Lond)** 1985 Jan; 358:405–16

Cardiac inotropic responses from changes in carbon dioxide tension in the cephalic circulation of anaesthetized dogs

Hainsworth R, et al. **J Physiol (Lond)** 1984 Dec;357:23–35

Effects of rapid cooling on mechanical and electrical responses in ventricular muscle of guinea-pig. Kurihara S, et al. **J Physiol (Lond)** 1985 Apr;361:361–78

A transient outward current related to calcium release and development of tension in elephant seal atrial fibres. Maylie J, et al. **J Physiol (Lond)** 1984 Dec;357:267–92

Influence of a change in stimulation rate on action potentials, currents and contractions in rat ventricular cells. Mitchell MR, et al. **J Physiol (Lond)** 1985 Jul;364:113–30

The influence of 'diastolic' length on the contractility of isolated cat papillary muscle. Nichols CG. **J Physiol (Lond)** 1985 Apr;361:269–79

Canine left ventricular function during experimental pancreatitis. Goldfarb RD, et al. **J Surg Res** 1985 Feb; 38(2):125–33

Late surgical results for ischemic mitral regurgitation. Role of wall motion score and severity of regurgitation. Pinson CW, et al. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 1):663–72

Detection of fetal cardiac activity between 41 and 43 days of gestation. Cadkin AV, et al. **J Ultrasound Med** 1984 Nov;3(11):499–503

Use of oculopneumoplethysmography (OPG–Gee) following carotid endarterectomy. Ricotta JJ, et al. **J Vasc Surg** 1985 May;2(3):415–8

Changes of left ventricular pressure–diameter–velocity relations by alterations of heart rate in conscious dogs. Fujiyama M, et al. **Jpn Circ J** 1984 Dec;48(12):1312–21

Difference in myocardial characteristics between hypertrophic cardiomyopathy and myocardial hypertrophy due to essential hypertension. Hamada M, et al. **Jpn Circ J** 1985 Mar;49(3):267–75

Altered loading sequence as an underlying mechanism of afterload dependency of ventricular relaxation in hearts in situ. Hori M, et al. **Jpn Circ J** 1985 Feb;49(2):245–54

Responses of left ventricle to changes in aortic input impedance. Ishide N, et al. **Jpn Circ J** 1985 Feb; 49(2):215–23

Calcium-binding of cardiac sarcoplasmic reticulum and diastolic hemodynamics in volume overloaded canine hearts. Maeba T. **Jpn Circ J** 1985 Feb;49(2):163–70

Behavior of the right ventricle against pressure loading: on its plasticity. Nakamura Y, et al. **Jpn Circ J** 1985 Feb; 49(2):255–60

Noninvasive evaluation of left ventricular function by systolic time intervals in essential hypertension with angina pectoris. Ochi T, et al. **Jpn Circ J** 1984 Dec; 48(12):1299–305

Cardiac hypertrophy as early adjustments to a chronically sustained mechanical overload. Sasayama S. **Jpn Circ J** 1985 Feb;49(2):224–31

Is regional ventricular wall work determined from regional force and shortening always consistent with the law of conservation of energy? Suga H, et al. **Jpn Circ J** 1984 Sep;48(9):1007–16

Assessment of left ventricular function in ischemic heart disease. The relation between pressure decay during the isovolumic relaxation phase and regional wall motion abnormality. Takeuchi M, et al. **Jpn Circ J** 1984 Sep; 48(9):961–8

Anisotropic conduction properties of canine ventricular muscles. Influence of high extracellular K + concentration and stimulation frequency. Tsuboi N, et al. **Jpn Circ J** 1985 May;49(5):487–98

Interaction of left ventricular contraction and aortic input impedance in experimental and clinical studies. Yaginuma T, et al. **Jpn Circ J** 1985 Feb;49(2):206–14

Inhomogeneous contribution of late diastolic filling to filling volume in patients with isolated disease of the left anterior descending coronary artery: assessment with radionuclide ventriculography. Yamagishi T, et al. **Jpn Circ J** 1985 Feb; 49(2):155–62

Left ventricular diastolic pressure–volume and stress–strain relationship in children. Yoshii K, et al. **Jpn Circ J** 1985 Apr;49(4):385–94

Right ventricular systolic and diastolic function at rest in patients with coronary artery disease. Assessment with equilibrium radionuclide ventriculography. Caglar NM, et al. **Jpn Heart J** 1985 May;26(3):425–36

Early postoperative echocardiographic studies of atrial septal defects. Chiang CW, et al. **Jpn Heart J** 1985 May; 26(3):391–402

Cardiac dimensions and motion shortly after mitral valve surgery. Chiang CW, et al. **Jpn Heart J** 1984 Jul; 25(4):509–21

Various types of systolic clicks in patients with muscular subaortic stenosis. Luisada AA, et al. **Jpn Heart J** 1985 Jan;26(1):133–43

Functional cardiac depression caused by defibrillator shocks. Quantitation of the safety factor for electrical defibrillation. Niebauer MJ, et al. **Jpn Heart J** 1984 Sep;25(5):773–81

Sequence of occurrence of abnormal regional cardiac function, global pump function and electrocardiogram after brief ligation and reperfusion of a coronary artery. Tamura K, et al. **Jpn Heart J** 1984 Nov;25(6):1059–71

Assessment of the contribution of atrial systole to ventricular filling by cardiac pacing. Toeda T, et al. **Jpn Heart J** 1985 May;26(3):349–61

Length dependent potentiation and inhibition of post-rest twitch tension development in adult cat and kitten papillary muscles. Hisano R, et al. **Jpn J Physiol** 1985;35(1):147–58

A role of ionic strength on the inotropic effects of osmolarity change in frog atrium. Ohba M. **Jpn J Physiol** 1984; 34(6):1105–15

Constant mechanical efficiency of contractile machinery of canine left ventricle under different loading and inotropic conditions. Suga H, et al. **Jpn J Physiol** 1984;34(4):679–98

Mechanisms of altered myocardial contractility during hemodialysis: importance of changes in the ionized calcium to plasma potassium ratio. Kramer W, et al. **Klin Wochenschr** 1985 Mar 15;63(6):272–8

Global and regional wall motion and contractility of the left ventricle following cigarette smoking. Strauer BE, et al. **Klin Wochenschr** 1984;62 Suppl 2:2–10

Relationship of the left ventricular and apical first sounds to the left ventricular pressure derivative. Genest J Jr, et al. **Med Biol Eng Comput** 1985 Jan;23(1):95–8

Assessment of algorithms used to compute the fast Fourier transform of left ventricular pressure on a microcomputer. Marble AE, et al. **Med Biol Eng Comput** 1985 Mar; 23(2):190–4

The measurement of systolic time intervals. A microprocessor based system for long-term registration of the impedance cardiogram and the systolic time intervals. Arnaudov K, et al. **Med Prog Technol** 1985;10(4):229–38

An electromagnetic distance measuring system. Kebbel U, et al. **Med Prog Technol** 1985;10(4):213–23

Simultaneous analyses of Ca exchange and mechanical parameters in the rat atria. Márquez MT, et al. **Methods Find Exp Clin Pharmacol** 1984 Dec;6(12):755–61

The influence of streptozotocin-induced diabetes on myocardial contractile performance in vitro. Ojewole JA. **Methods Find Exp Clin Pharmacol** 1985 Mar;7(3):119–24

Echocardiographic assessment of left ventricular function in patients with hypokalemia. O'Regan S, et al. **Miner Electrolyte Metab** 1985;11(1):1–4

Paradoxical phase changes induced by myocardial ischaemia. Underwood SR, et al. **Nucl Med Commun** 1985 Apr; 6(4):225–8

The control of atrial contraction by ventriculo-atrial pacing in the dog with AV block. Aizawa Y, et al. **PACE** 1985 Mar;8(2):170–4

Qualitative phase analysis in pediatric nuclear cardiology: isolation of cardiac chambers and identification of asynchronous contraction patterns. Schaffer MS, et al. **Pediatr Cardiol** 1984 Jul–Sep;5(3):179–84

Effect of acidosis on contractile function in the newborn rabbit heart. Nakanishi T, et al. **Pediatr Res** 1985 May; 19(5):482–8

Myocardial excitation–contraction coupling in the fetus of alloxan–diabetic rabbit. Nakanishi T, et al. **Pediatr Res** 1984 Dec;18(12):1344–9

Value of systolic time intervals in the diagnosis of large patent ductus arteriosus in fluid-restricted and mechanically ventilated preterm infants. Heitz F, et al. **Pediatrics** 1984 Dec;74(6):1069–74

Relative roles of vagal and sympathetic effector mechanisms in the baroreflex control of myocardial contractility in conscious rabbits. Aylward PE, et al. **Pflugers Arch** 1985 Jan;403(1):21–7

Force response to rapid and slow small amplitude length releases in isometrically contracting normal width and radially compressed trabeculae from rat heart. Berman MR. **Pflugers Arch** 1985 Feb;403(2):136–40

Cardiac contractility, cAMP concentration, cAMP-dependent protein kinase, and phosphorylase activation during acute pressure overload. Klug GA, et al. **Pflugers Arch** 1984 Oct;402(2):216–21

Muscarinic receptor-mediated increase of intracellular Na+-ion activity and force of contraction. Korth M, et al. **Pflugers Arch** 1985 Mar;403(3):266–72

Postextrasystolic potentiation in isolated rat myocardium: dependence on resting muscle length. Poggesi C, et al. **Pflugers Arch** 1984 Nov;402(3):321–4

Photochemically produced intracellular concentration jumps of cAMP mimic the effects of catecholamines on excitation–contraction coupling in frog atrial fibers. Richard S, et al. **Pflugers Arch** 1985 Mar;403(3):312–7

Mechanisms of hypoxia-induced decrease of load dependence of relaxation in cat papillary muscle. Sys SU, et al. **Pflugers Arch** 1984 Aug;401(4):368–73

Role of myofibrillar creatine kinase in the relaxation of rigor tension in skinned cardiac muscle. Ventura-Clapier R, et al. **Pflugers Arch** 1985 May;404(2):157–61

Systolic time intervals before and after haemodialysis. Braun J, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985;21:348–53

Analysis of relaxation in the evaluation of ventricular function of the heart. Brutsaert DL, et al. **Prog Cardiovasc Dis** 1985 Sep–Oct;28(2):143–63 (138 ref.)

The dependence of the relaxation of tension of frog atrial-trabeculae on the sodium–calcium exchange: a voltage-clamp study. Chapman RA, et al. **Q J Exp Physiol** 1985 Jul;70(3):447–59

Influence of chronic vagotomy on inotropic responses of isolated cat heart papillary muscle. Vergara V, et al. **Res Commun Chem Pathol Pharmacol** 1984 Oct; 46(1):93–102

Patterns of QT/QS2 ratio in vasomotorically labile young men. Lindqvist A, et al. **Scand J Clin Lab Invest** 1984 Dec; 44(8):753–9

Optical measurements of extracellular calcium depletion during a single heartbeat. Cleemann L, et al. **Science** 1984 Oct 12;226(4671):174–7

Effects of thyroid hormone evaluated by cardiac systolic time interval in fasting subjects. Huang HS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Nov;83(11):1087–93

The hemodynamics and contractility of the right ventricle in the early postoperative phase following correction of tetralogy of Fallot. Hügel W, et al. **Thorac Cardiovasc Surg** 1984 Aug;32(4):253–5

Aorto–coronary bypass surgery in 62 patients with severe left ventricular dysfunction—a follow-up study. Mochtar B, et al. **Thorac Cardiovasc Surg** 1985 Feb;33(1):30–3

Right ventricular dysfunction after endocardiectomy for right ventricular endomyocardial fibrosis. Touze JE, et al. **Thorac Cardiovasc Surg** 1984 Oct;32(5):304–6

A comparative study on enzymatic data from myocardial biopsies and cardiac function in patients who underwent cardiac surgery. van der Laarse A, et al. **Thorac Cardiovasc Surg** 1984 Oct;32(5):277–82

Right ventricular pressure–dimension relationship during left ventricular assistance in dogs. Farrar DJ, et al. **Trans Am Soc Artif Intern Organs** 1984;30:121–3

Exercise-induced ventricular dysfunction: reversible by hemodialysis. Wizemann V, et al. **Trans Am Soc Artif Intern Organs** 1984;30:567–70

Effects of partial left heart bypass (LHB) on the myocardial contractility and hemodynamics of the canine heart. Ye CX, et al. **Trans Am Soc Artif Intern Organs** 1984;30:582–6

Non-invasive cardiac study in diabetic Nigerians using systolic time intervals. Famuyiwa OO, et al. **Trop Geogr Med** 1985 Jun;37(2):143–9

Analysis and interpretation of thickening and thinning phases of left ventricular wall dynamics. Goldberg SJ. **Ultrasound Med Biol** 1984 Nov–Dec;10(6):797–802

[Evaluation of the contractile function of the ventricular myocardium by the ratio of telesystolic pressure to telesystolic volume] Tomov I. **Vutr Boles** 1984;23(5):1–11 (38 ref.) (Bul)

[A comparison of measuring the systolic time interval and diastolic time interval by plethysmography and the cardiomechanogram] Shen WQ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep; 12(3):209–11 (Chi)

[Measuring left ventricular ejection time by plethysmography] Su H. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep; 12(3):207–8 (Chi)

[Value of echocardiogram-measured right ventricular systolic time intervals in the assessment of pulmonary hemodynamics] Ma LA, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Jun;24(6):336–8, 381 (Eng. Abstr.) (Chi)

[Quantitative segmental analysis of the motion of the left heart ventricle] Chaloupka V, et al. **Cas Lek Cesk** 1985 Aug 30;124(35):1102–6 (Eng. Abstr.) (Cze)

[The effect of decreased intrathoracic pressure on systolic time intervals in patients with ischemic heart disease] Kozák P. **Cas Lek Cesk** 1985 Aug 2;124(31):984–7 (Eng. Abstr.) (Cze)

[Reversibility of asynergy in various forms of ischemic heart disease] Widimský P, et al. **Cas Lek Cesk** 1985 Mar 29; 124(13):399–401 (Eng. Abstr.) (Cze)

[A noninvasive method of studying myocardial contraction] Král V, et al. **Sb Lek** 1985 Apr;87(4):98–112 (Eng. Abstr.) (Cze)

[Changes in motion in the left wall of the heart ventricle during isometric loading in patients with ischemic heart disease] Chaloupka V, et al. **Vnitr Lek** 1985 Feb; 31(2):119–27 (Eng. Abstr.) (Cze)

[The contractility, work and energy consumption of the heart] Olsen C. **Ugeskr Laeger** 1984 Jun 25;146(26):1909–12 (Eng. Abstr.) (Dan)

[Echocardiographic study of left ventricular contraction by a scoring method in chronic coronary insufficiency] Ferreira T, et al. **Ann Cardiol Angeiol (Paris)** 1985 Apr 30;34(4 Pt 2):287–92 (Eng. Abstr.) (Fre)

[Volume and regional contraction of the left ventricle studied with venous injection in subtraction angiography] Rasoamanambelo L, et al. **Ann Cardiol Angeiol (Paris)** 1985 Mar;34(3):133–6 (Eng. Abstr.) (Fre)

[Beneficial effects of coronary transluminal angioplasty on resting left ventricular systolic function] Crochet D, et al. **Arch Mal Coeur** 1984 Dec;77(13):1443–9 (Eng. Abstr.) (Fre)

[A case of electrically and mechanically stunned myocardium] Tardieu A, et al. **Arch Mal Coeur** 1985 Jun; 78(6):947–50 (Eng. Abstr.) (Fre)

[Measurement of right systolic time intervals in complete transposition of the great vessels. Value in the surveillance of ventricular function] Vergottini JC, et al. **Arch Mal Coeur** 1985 May;78(5):745–9 (Eng. Abstr.) (Fre)

[Limitations of the clinical assessment of myocardial contractility] Pouleur H, et al. **Schweiz Med Wochenschr** 1985 May 11;115(19):638–43 (20 ref.) (Eng. Abstr.) (Fre)

[Global ventricular function and synchronism of contraction during and after exertion] Righetti A, et al. **Schweiz Med Wochenschr** 1984 Nov 10;114(45):1607–11 (Eng. Abstr.) (Fre)

[Plasma norepinephrine and cardiac sympathetic activity during dynamic exercise in man: what is the relationship?] Cousineau D, et al. **Union Med Can** 1985 Feb;114(2):109–12.

114 (Eng. Abstr.) **(Fre)**

[Methods and results of quantitative regional levoangiography] Sigel HA. **Fortschr Med** 1985 Apr 25; 103(16):433-7 (Eng. Abstr.) **(Ger)**

[Histologically detectable myocarditis in patients with impaired left ventricular function] Regitz V, et al. **Herz** 1985 Feb;10(1):27-35 (Eng. Abstr.) **(Ger)**

[Function of the right ventricle in mitral valve defects before and after surgical correction] Schwarz F, et al. **Herz** 1984 Oct;9(5):306-12 (Eng. Abstr.) **(Ger)**

[Determination of systolic time intervals in healthy and in adriamycin-treated children] Kasih EN, et al. **Klin Padiatr** 1984 Nov-Dec;196(6):360-6 (Eng. Abstr.) **(Ger)**

[Course of contraction during physiological and ventricular pacemaker stimulation] Nitsch J, et al. **Klin Wochenschr** 1984 Dec 3;62(23):1132-5 (Eng. Abstr.) **(Ger)**

[A new model for the quantitative analysis of left ventricular regional function] Brack M, et al. **Schweiz Med Wochenschr** 1984 Nov 10;114(45):1598-601 (Eng. Abstr.) **(Ger)**

[Lusitropic behavior in patients with coronary heart disease] Brandt D. **Wien Med Wochenschr [Suppl]** 1984;83:1-52 (Eng. Abstr.) **(Ger)**

[Comparative studies of contractile heart function using impedance, echo-, radio- and apex cardiography] Eisenberg BM, et al. **Z Gesamte Inn Med** 1985 Jul 1; 40(13):388-92 (Eng. Abstr.) **(Ger)**

[Hemodynamics in ischemia: diastolic phase] Amende I, et al. **Z Kardiol** 1984;73 Suppl 2:127-33 (Eng. Abstr.) **(Ger)**

[Dissimilar course in the right and left ventricular function in a patient with dilated cardiomyopathy] Bauer R, et al. **Z Kardiol** 1985 Mar;74(3):175-9 (Eng. Abstr.) **(Ger)**

[Normal ranges of the regional movement of the left ventricular wall in 2-dimensional echocardiography] Dissmann R, et al. **Z Kardiol** 1984 Nov;73(11):686-94 (Eng. Abstr.) **(Ger)**

[Frequency, localization and extent of local wall function disorders of the left ventricle in patients with rheumatic mitral valve diseases] Konz KH, et al. **Z Kardiol** 1985 Jun; 74(6):327-34 (Eng. Abstr.) **(Ger)**

[Hemodynamics in ischemia. Systolic phase] Krayenbühl HP, et al. **Z Kardiol** 1984;73 Suppl 2:119-25 (Eng. Abstr.) **(Ger)**

[Reversibility of akinetic segments in coronary heart disease] Schneider W, et al. **Z Kardiol** 1984 Sep;73(9):568-77 (Eng. Abstr.) **(Ger)**

[Enzymatic and scintigraphic determined infarct size: significance for left ventricular function following infarct] Sieber R, et al. **Z Kardiol** 1984 Dec;73(12):748-55 (Eng. Abstr.) **(Ger)**

[Correlation between systolic time intervals and E point-septal separation measured by monodimensional echocardiography in the functional evaluation of patients with ischemic heart disease] Galanti G, et al. **Boll Soc Ital Cardiol** 1983 Oct;28(10):827-33 (Eng. Abstr.) **(Ita)**

[Assessment with a non-invasive method of telesystolic pressure-volume and stress-dimension relationships in man: linearity and relation to the ejection fraction] Ganau A, et al. **Boll Soc Ital Cardiol** 1984 May-Jun;29(5-6):323-36 (Eng. Abstr.) **(Ita)**

[Comparison between non-invasive indexes of myocardial contraction] Malavasi A, et al. **Boll Soc Ital Cardiol** 1984 May-Jun;29(5-6):301-10 (Eng. Abstr.) **(Ita)**

[Pre- and postoperative evaluation of the left ventricle in patients with chronic isolated aortic insufficiency. Serial echocardiographic study: prognostic indices] Aquilina M, et al. **Cardiologia** 1984 Mar-Apr;29(3-4):181-94 (Eng. Abstr.) **(Ita)**

[Influence of acute changes in load on the rate of active relaxation in humans] Chiddo A, et al. **Cardiologia** 1985 Jan;30(1):47-52 (Eng. Abstr.) **(Ita)**

[Cardiac performance in dialysis patients] Galati A, et al. **Cardiologia** 1984 Mar-Apr;29(3-4):219-30 (Eng. Abstr.) **(Ita)**

[Determination of end-systolic pressure-volume and stress-dimension relations in man by a non-invasive method: linearity and relation to the ejection fraction] Ganau A, et al. **Cardiologia** 1984 May-Jun;29(5-6):323-36 (Eng. Abstr.) **(Ita)**

[Comparison between non-invasive indices and myocardial contractility] Malavasi A, et al. **Cardiologia** 1984 May-Jun; 29(5-6):301-10 (Eng. Abstr.) **(Ita)**

[Myocardial function in patients with chronic alcoholic liver disease: echocardiographic findings] Giuntoli F, et al. **G Clin Med** 1985 Mar-Apr;66(3-4):89-98 (Eng. Abstr.) **(Ita)**

[Comparative clinical evaluation of left ventricular ejection time using carotid and ear pulses] Bernardi L, et al. **G Ital Cardiol** 1984 Oct;14(10):757-61 (Eng. Abstr.) **(Ita)**

[Preclinical changes in left ventricular function in myotonic muscular dystrophy. Value of the isovolumetric index] Crepaz R, et al. **G Ital Cardiol** 1984 Nov;14(11):847-51 (Eng. Abstr.) **(Ita)**

[Polygraphic study of left ventricular function in severe hepatitis cirrhosis] Randazzo A, et al. **G Ital Cardiol** 1984 Jul;14(7):525-9 (Eng. Abstr.) **(Ita)**

[Study of the regional contraction of the left ventricle in normal subjects using a two-dimensional echocardiographic technic] Triulzi MO, et al. **G Ital Cardiol** 1985 Jan;15(1):84-91 (Eng. Abstr.) **(Ita)**

[Critical review of the methods of quantitative analysis in ventricular cineangiography] Verna E, et al. **G Ital Cardiol** 1984 Jun;14(6):440-5 (32 ref.) **(Ita)**

[Electromechanical intervals in the neonatal period and early infancy] Di Michele R, et al. **Minerva Cardioangiol** 1984 Jul-Aug;32(7-8):539-43 (Eng. Abstr.) **(Ita)**

[Quantitative evaluation of left ventricular kinetics by bidimensional echography in the subacute and stabilized phases of myocardial infarct] Mori A, et al. **Minerva Cardioangiol** 1984 Oct;32(10):683-91 (Eng. Abstr.) **(Ita)**

[Variations in the duration of electromechanical systole and R wave voltage in normal subjects during dynamic exercise] Romano M, et al. **Minerva Cardioangiol** 1984 Jul-Aug;32(7-8):529-33 (Eng. Abstr.) **(Ita)**

[Quantification of fetal cardiac time intervals by mono-bidimensional echocardiography. Methodology] Mandorla S, et al. **Minerva Ginecol** 1985 Apr;37(4):141-5 (Eng. Abstr.) **(Ita)**

[Study of left ventricular function using systolic time intervals in a group of patients with polycythemia vera (Vaquez-Osler disease)] Gemelli A, et al. **Minerva Med** 1984 Nov 17;75(44):2667-72 (Eng. Abstr.) **(Ita)**

[Analysis of diastolic heart function. Principles and considerations on the use of 2 harmonics] Bottinelli G, et al. **Radiol Med (Torino)** 1984 Oct;70(10):748-51 (Eng. Abstr.) **(Ita)**

[Role of non-invasive echopolycardiography in ischemic cardiopathy] Finardi G, et al. **Recenti Prog Med** 1984 Dec; 75(12):1156-72 (92 ref.) (Eng. Abstr.) **(Ita)**

[The diastolic pressure-volume relationship of the left ventricle—evaluation of canine isovolumetric contracting left ventricle] Murakami R. **Hokkaido Igaku Zasshi** 1985 Jan;60(1):114-24 (Eng. Abstr.) **(Jpn)**

[Computerized processing of two-dimensional echo-cardiograms: its application for quantitating left ventricular regional contractility and three-dimensional echocardiography] Fujii J, et al. **J Cardiogr** 1984;14 Suppl 3:3-21 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of myocardial contractility using invasive methods] Kitamura S. **J Cardiogr** 1984;14 Suppl 1:35-41 (11 ref.) **(Jpn)**

[Clinical evaluation of myocardial contractility using noninvasive techniques] Matsuo H, et al. **J Cardiogr** 1984; 14 Suppl 1:5-14 **(Jpn)**

[Evaluation of right ventricular wall contractility in ischemic heart disease by cardiac computed tomography] Naito H, et al. **J Cardiogr** 1984 Jun;14(1):15-28 (Eng. Abstr.) **(Jpn)**

[M-mode echocardiographic standardization of interventricular septal motion and its clinical significance] Oki T, et al. **J Cardiogr** 1984;14 Suppl 4:3-21 (Eng. Abstr.) **(Jpn)**

[Clinical advantages of echocardiography in evaluating the left ventricular function] Omoto R. **J Cardiogr** 1984;14 Suppl 1:15-23 (Eng. Abstr.) **(Jpn)**

[Dynamics of the interventricular septum in mechanical overload] Sasayama S, et al. **J Cardiogr** 1984;14 Suppl 4:23-33 (Eng. Abstr.) **(Jpn)**

[Assessment of cardiac function by left heart catheterization: an analysis of left ventricular pressure-volume (length) loops] Sasayama S, et al. **J Cardiogr** 1984;14 Suppl 1:25-34 (15 ref.) (Eng. Abstr.) **(Jpn)**

[Evaluation of regional wall motion in myocardial infarction using animation ECG gated cardiac computed tomography] Shimizu T, et al. **J Cardiogr** 1984 Aug; 14(2):257-66 (Eng. Abstr.) **(Jpn)**

[Wall motion abnormality in myocardial infarction; a new method of regional wall motion analysis by gated blood pool scan] Hayashi S, et al. **Kaku Igaku** 1984 Nov; 21(11):1395-402 (Eng. Abstr.) **(Jpn)**

[Analysis of left ventricular filling in patients with coronary artery disease by a new radionuclide ventriculographic method using second heart sound and forward and backward ECG gating techniques--impairment of early diastolic filling and the contribution of atrial contraction to total filling] Ishida Y. **Kaku Igaku** 1984 Jul;21(7):831-43 (Eng. Abstr.) **(Jpn)**

[An analysis of cardiac reserve mechanism during supine bicycle exercise in patients with myocardial infarction: evaluation by multi-gated radionuclide angiography] Kim BH, et al. **Kaku Igaku** 1985 Jan;22(1):1-8 (Eng. Abstr.) **(Jpn)**

[Clinical usefullness of Tl-201 myocardial scintigraphy and diastolic phase index by gated cardiac blood pool imaging in patients with hypertrophic cardiomyopathy] Ohmine H, et al. **Kaku Igaku** 1984 Jul;21(7):815-21 (Eng. Abstr.) **(Jpn)**

[The evaluation of coronary artery disease through the analysis of left ventricular diastolic phase indices obtained from S2-gated equilibrium scintigraphy] Shiraishi T, et al. **Kaku Igaku** 1984 Jun;21(6):661-9 (Eng. Abstr.) **(Jpn)**

[Study of the left ventricular contraction pattern with aneurysm using ECG-gated equilibrium scintigraphy] Futamura Y, et al. **Kokyu To Junkan** 1985 Mar;33(3):359-63 (Eng. Abstr.) **(Jpn)**

[Evaluation of left ventricular wall motion and systolic thickening by two-dimensional echocardiography] Hosokawa M, et al. **Kokyu To Junkan** 1984 Aug; 32(8):797-803 **(Jpn)**

[Correlation of left ventricular diastolic property and peak creatine kinase MB isoenzyme activity in myocardial infarction] Ishida K, et al. **Kokyu To Junkan** 1985 Apr; 33(4):575-9 (Eng. Abstr.) **(Jpn)**

[Structure and function of the myocardium from a biochemical aspect] Katagiri T, et al. **Kokyu To Junkan** 1985 Apr;33(4):497-506 (83 ref.) **(Jpn)**

[Evaluation of cardiac diastolic performance using nuclear stethoscope] Kimura M, et al. **Kokyu To Junkan** 1985 Jan; 33(1):57-60 **(Jpn)**

[Should systolic hypertension in the elderly be treated?] Ozawa T. **Kokyu To Junkan** 1985 Mar;33(3):263-6 **(Jpn)**

[Left ventricular functional capacity in patients with chronic ischemic heart disease, with special reference to severity and extent of coronary artery lesions] Tsuiki K, et al. **Kokyu To Junkan** 1985 Mar;33(3):295-302 (Eng. Abstr.) **(Jpn)**

[Study on the new index U2/AP in canine aortic root for left ventricular performance] Tsuji T, et al. **Kokyu To Junkan** 1985 May;33(5):651-6 (Eng. Abstr.) **(Jpn)**

[A quantitative analysis of left ventricular behavior in cineangiogram] Yabe Y, et al. **Kokyu To Junkan** 1985 Jan; 33(1):77-83 (Eng. Abstr.) **(Jpn)**

[Postextrasystolic potentiation after total or partial coronary occlusion in dogs] Yamazaki H, et al. **Kokyu To Junkan** 1985 Jun;33(6):799-803 (Eng. Abstr.) **(Jpn)**

[The effects of controlled hypotension during mild hypothermia on coronary and systemic hemodynamics and myocardial contractility] Fukusaki M. **Masui** 1984 Dec; 33(12):1351-61 (Eng. Abstr.) **(Jpn)**

[The effects of aorto-coronary bypass grafting to totally occluded coronary arteries on left ventricular contractility] Nagaoka H, et al. **Nippon Geka Gakkai Zasshi** 1985 May; 86(5):613-8 (Eng. Abstr.) **(Jpn)**

[Evaluation of an operative procedure for mitral stenosis--with special attention to the pre- and postoperative LV wall motion] Hashimoto K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Apr;33(4):410-6 (Eng. Abstr.) **(Jpn)**

[Contractile performance of the left ventricle before and after the surgery for mitral regurgitation--with special reference to left ventricular end-systolic volume index as a prognostic indicator] Ohashi H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Sep;32(9):1293-9 (Eng. Abstr.) **(Jpn)**

[The analysis of the blood flow pattern of the left ventricle during isovolumic relaxation period by the use of pulsed Doppler echocardiography] Kuroiwa N, et al. **Nippon Naika Gakkai Zasshi** 1984 Jul;73(7):974-9 **(Jpn)**

[Regulation of heart minute volume. The significance of the venous system] Stokland O. **Tidsskr Nor Laegeforen** 1985 Mar 10;105(7):488-91 (Eng. Abstr.) **(Nor)**

[Effect of hypothermia and cardioplegia on coronary vessels and myocardial function] Adamski S, et al. **Kardiol Pol** 1984;27(7):591-9 (Eng. Abstr.) **(Pol)**

[Noninvasive studies of the systolic phase and left-ventricular myocardial contractility in primary hypertrophic cardiomyopathy] Dubiel JP, et al. **Kardiol Pol** 1984; 27(4):257-65 (Eng. Abstr.) **(Pol)**

[Value of the determination of polycardiographic indicators of diastole of the left ventricle for the evaluation of its function in ischemic heart disease] Giec L, et al. **Kardiol Pol** 1984;27(6):443-8 (Eng. Abstr.) **(Pol)**

[Value of echocardiographic analysis of posterior aortic wall motion for the assessment of left-ventricular systolic activity in coronary disease] Mandecki T, et al. **Kardiol Pol** 1984;27(6):449-55 (Eng. Abstr.) **(Pol)**

[Post-exercise dynamics of left-ventricular contraction in the evaluation of the results of kinesitherapy of patients with primary arterial hypertension at a health resort] Markiewicz K, et al. **Kardiol Pol** 1984;27(8):687-96 (Eng. Abstr.) **(Pol)**

[Magnesium and the heart] Szyszka A. **Kardiol Pol** 1984; 27(10):859-64 (47 ref.) **(Pol)**

[Morphologic indicators of right-ventricular diastolic capacity in hypertrophic cardiomyopathy] Tendera M, et al. **Kardiol Pol** 1984;27(4):249-55 (Eng. Abstr.) **(Pol)**

[Clinical and hemodynamic evaluation of post-infarct heart aneurysms. Indications and results in aneurysmectomy] Tracz W, et al. **Kardiol Pol** 1984;27(10):795-804 (Eng. Abstr.) **(Pol)**

[Effect of sanatorium rehabilitation of patients after myocardial infarct on various echocardiographic parameters reflecting the inotropic state of the myocardium] Wysokiński A, et al. **Kardiol Pol** 1984; 27(5):367-74 (Eng. Abstr.) **(Pol)**

[Improvement in left-ventricular function as a result of mitral commissurotomy. Use of the hand-cooling test in the study of left-ventricular function] Zmudka K, et al. **Kardiol Pol** 1984;27(6):495-505 (Eng. Abstr.) **(Pol)**

[Polycardiographic evaluation of left-ventricular contraction periods in children with pneumonia] Urban M, et al. **Pediatr Pol** 1984 Oct;59(10):821-7 (Eng. Abstr.) **(Pol)**

[Radioisotope evaluation of left-ventricular function in patients after myocardial infarction] Zaorska-Rajca J, et al. **Pol Przegl Radiol (Warszawa)** 1984 Sep-Oct; 48(5):269-74 (Eng. Abstr.) **(Pol)**

[Evaluation of regional disorders of left-ventricular contraction by two-dimensional echocardiography] Bolińska H, et al. **Pol Tyg Lek** 1984 Dec 10;39(50):1641-5

(Eng. Abstr.) **(Pol)**

[Polycardiographic indicators of left-ventricular systolic and diastolic time intervals in patients with mitral valve prolapse] Gross E, et al. **Pol Tyg Lek** 1984 Jun 11; 39(24):811-3 (Eng. Abstr.) **(Pol)**

[Echocardiographic evaluation of the circulatory system in pregnant women] Kuśnierz B, et al. **Pol Tyg Lek** 1985 Apr 22;40(16):449-53 (Eng. Abstr.) **(Pol)**

[Echocardiographic examination in Wolff-Parkinson-White syndrome] Kuśnierz B, et al. **Pol Tyg Lek** 1984 Jun 11; 39(24):807-10 (Eng. Abstr.) **(Pol)**

[Echocardiographic evaluation of left-ventricular function in patients with coronary disease, and its usefulness in qualifying the patients for physical rehabilitation programs] Wysokiński A, et al. **Pol Tyg Lek** 1985 Mar 11;40(10):285-8 (Eng. Abstr.) **(Pol)**

[Parameters of left-ventricular function in patients with acute myocardial infarction during early kinesitherapy] Petelenz T, et al. **Przegl Lek** 1984;41(11):655-60 (Eng. Abstr.) **(Pol)**

[Effect of sanatorium rehabilitation treatment of patients with coronary disease on left-ventricular function evaluated by polycardiography] Wysokiński A, et al. **Wiad Lek** 1984 Oct 1;37(19):1481-8 (Eng. Abstr.) **(Pol)**

[Echocardiographic characteristics of left-ventricular myocardial contraction in pregnant women with mitral valve defects] Titchenko LI. **Akush Ginekol (Mosk)** 1985 Jan;(1):56-9 (Eng. Abstr.) **(Rus)**

[Echocardiographic characteristics of changes in cardiac chambers in pregnant women with combined mitral valve diseases with predominance of stenosis] Titchenko LI. **Akush Ginekol (Mosk)** 1984 Dec;(12):23-5 (Eng. Abstr.) **(Rus)**

[Atherosclerotic stenosis of the coronary arteries and contraction lesions of the myocardium in sudden coronary death] Zhdanov VS, et al. **Arkh Patol** 1985;47(3):14-9 (Eng. Abstr.) **(Rus)**

[Study of electro-mechanical coupling in heart fibers by an optical method] Filippov AK, et al. **Biofizika** 1984 Sep-Oct;29(5):886-90 (Eng. Abstr.) **(Rus)**

[The theory of regulation of the contraction force of the heart muscle] Markhasin VS, et al. **Biofizika** 1985 Mar-Apr; 30(2):322-7 (Eng. Abstr.) **(Rus)**

[Mathematical model of electromechanical coupling in the rat myocardium] Mukumov MR, et al. **Biofizika** 1985 Mar-Apr;30(2):317-21 (Eng. Abstr.) **(Rus)**

[Ability of a phosphocreatine-myofibrillar creatine kinase system to prevent the rigor tension of myocardial fibers] Veksler VI, et al. **Biofizika** 1985 Mar-Apr;30(2):301-5 (Eng. Abstr.) **(Rus)**

[Prevention of stress-induced disorders of myocardial contractile function by using sparing adaptation to short-term stress effects] Meerson FZ, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):142-4 (Eng. Abstr.) **(Rus)**

[Myocardial contraction in the reverse development of adaptation to short-term exposure to stress] Meerson FZ, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):655-7 (Eng. Abstr.) **(Rus)**

[Effect of emotional-pain stress on myocardial contraction in prolonged hypokinesia] Saulia AI. **Biull Eksp Biol Med** 1984 Dec;98(12):651-3 (Eng. Abstr.) **(Rus)**

[Effect of the age of animals on disorders of the contractile function of the heart muscle under stress] Saulia AI. **Biull Eksp Biol Med** 1985 Jan;99(1):12-5 (Eng. Abstr.) **(Rus)**

[Effect of emotional and pain stress on the contractile function of the hypertrophied heart muscle] Saulia AI, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):145-7 (Eng. Abstr.) **(Rus)**

[Acceleration generated by the myocardium as a criterion of its contractility] Sheikh-Zade IuR. **Biull Eksp Biol Med** 1985 May;99(5):517-9 (Eng. Abstr.) **(Rus)**

[Evaluation of the chrono- and inotropic functions of the heart at different degrees of physical training of the body] Aksenov VV, et al. **Fiziol Cheloveka** 1985 Jan-Feb; 11(1):96-101 **(Rus)**

[Age-related characteristics of cardiac rhythm in persons with different degrees of adaptation to the environment] Baevskii RM, et al. **Fiziol Cheloveka** 1985 Mar-Apr; 11(2):208-12 **(Rus)**

[Stroke volume and human cardiac output in random contraction rhythm] Izakov VIa, et al. **Fiziol Cheloveka** 1984 Jul-Aug;10(4):631-9 **(Rus)**

[Disorder of the Frank-Starling principle in diseases of the circulatory system] Smirnov AD, et al. **Fiziol Cheloveka** 1985 Jan-Feb;11(1):107-12 **(Rus)**

[Method of determining the Frank-Starling curves of patients with congenital and acquired heart defects and their importance in establishing the functional potentials of the heart muscle] Tsyganii AA, et al. **Fiziol Cheloveka** 1984 May-Jun;10(3):492-6 **(Rus)**

[Use of the time constant for estimating myocardial relaxation] Bratus' VV, et al. **Fiziol Zh** 1985 May-Jun; 31(3):364-6 **(Rus)**

[Assessment of heart function by the end-systolic pressure/volume ratio of the left ventricle] Kaz'min SG. **Fiziol Zh** 1985 Jan-Feb;31(1):88-92 **(Rus)**

[Contractile function of the papillary muscles in rats under conditions of varied oxygenation] Mudraia IS. **Fiziol Zh** 1985 Mar-Apr;31(2):158-64 (Eng. Abstr.) **(Rus)**

[Positive chronotropic and inotropic effects of stimulation of the vagus nerve centers in the frog heart] Alipov NN, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):273-8 (Eng. Abstr.) **(Rus)**

[Method of representing the process of mechanical loading in isolated strips of myocardium (imitation of the cardiac cycle)] Bliakhman FA, et al. **Fiziol Zh SSSR** 1984 Nov; 70(11):1582-4 **(Rus)**

[Nature of the coronary vessel response to increased myocardial contractile function] Bratus' VV, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1506-11 (Eng. Abstr.) **(Rus)**

[Biomechanics and physiological role of the atria in the cardiac cycle] Fatenkov VN. **Fiziol Zh SSSR** 1985 Apr; 71(4):510-5 (Eng. Abstr.) **(Rus)**

[Role of intracellular calcium stores in the generation of phasic component of K-contraction of the frog myocardium] Mukumov MR, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):833-7 (Eng. Abstr.) **(Rus)**

[Coronary inotropic effects on the heart] Osadchii LI, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1498-505 (53 ref.) **(Rus)**

[Effect of temperature on heterometric autoregulation of the heart] Sheikh-Zade IuR, et al. **Fiziol Zh SSSR** 1985 Jun; 71(6):764-8 (Eng. Abstr.) **(Rus)**

[Myocardial contraction in dust-induced bronchitis] Vinogradova TS, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):46-8 **(Rus)**

[Right-ventricular contractility in patients with atrial septal defects] Bukharin VA. **Kardiologiia** 1984 Nov; 24(11):118-20 **(Rus)**

[Evaluation of the contractile function of the myocardium using tetrapolar thoracic rheography in the late stages of mitral stenosis] Chufarov VN, et al. **Kardiologiia** 1984 Aug; 24(8):76-8 (Eng. Abstr.) **(Rus)**

[Value of the left atrium emptying index for evaluation of diastolic function of the left ventricle] Fisenko LA. **Kardiologiia** 1984 Jul;24(7):100-1 **(Rus)**

[Roentgenologic evaluation of myocardial contractility in heart valve diseases] Matveeva LS, et al. **Kardiologiia** 1984 Jul;24(7):81-4 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effect of preliminary adaptation of the body to moderate physical loading and brief stress exposures on heart contractile function disorders in long-term stress] Meerson FZ, et al. **Kardiologiia** 1985 Feb;25(2):74-7 (Eng. Abstr.) **(Rus)**

[Prevention of heart contractile disorders in experimental infarct by using preliminary adaptation to stress exposure and opioid peptides] Meerson FZ, et al. **Kardiologiia** 1984 Sep;24(9):81-8 (Eng. Abstr.) **(Rus)**

[Characteristics of the echocardiographic changes in patients with myocardial infarction complicated by heart rupture] Orlov MV. **Kardiologiia** 1984 Oct;24(10):66-9 (Eng. Abstr.) **(Rus)**

[Myocardial regional contractile function of the right ventricle] Petrosian IuS, et al. **Kardiologiia** 1985 May; 25(5):23-5 (Eng. Abstr.) **(Rus)**

[Functiono-morphological principles of classification of mitral valve stenosis] Pokrovskaia IV, et al. **Kardiologiia** 1984 Jul;24(7):30-3 (Eng. Abstr.) **(Rus)**

[Comparison of the indices of left ventricular pumping function, contractility, myocardial metabolism and the magnitude of the R wave on the ECG of ischemic heart disease patients] Pomerantsev EV, et al. **Kardiologiia** 1985 May;25(5):48-52 (Eng. Abstr.) **(Rus)**

[Contractile function of the myocardium of the left ventricle in patients with isolated lesions of the aortic valve] Rabkin IKh, et al. **Kardiologiia** 1984 Aug;24(8):67-73 (Eng. Abstr.) **(Rus)**

[Myocardial function in the period immediately after aortocoronary bypass] Shabalkin BV, et al. **Kardiologiia** 1984 Nov;24(11):79-83 (Eng. Abstr.) **(Rus)**

[Heterometric self-regulation of the heart as a correlation of Starling's and Anrep's phenomena] Sheikh-zade IuR, et al. **Kardiologiia** 1985 Mar;25(3):98-101 (Eng. Abstr.) **(Rus)**

[Functiono-morphological changes in the cardiovascular system in acute occlusion and after revascularization of the cranial mesenteric artery] Volkoedov VS, et al. **Kardiologiia** 1984 Jul;24(7):87-91 (Eng. Abstr.) **(Rus)**

[Complex evaluation of cardiomechanism in ischemic heart disease] Grigorash GA. **Klin Khir** 1984 Oct;(10):12-5 (Eng. Abstr.) **(Rus)**

[Cardiac contractility in the acute period of myocardial infarction] Kesler DF, et al. **Klin Med (Mosk)** 1985 Feb; 63(2):44-6 (Eng. Abstr.) **(Rus)**

[Phase analysis of left ventricular systole in subjects given a diagnosis of primary rheumocarditis in childhood] Selivonenko VG, et al. **Klin Med (Mosk)** 1984 Nov; 62(11):81-4 (Eng. Abstr.) **(Rus)**

[Impedance cardiographic evaluation of left ventricular contractility in patients having undergone closed mitral commissurotomy] Setrakian SA, et al. **Klin Med (Mosk)** 1985 Jan;63(1):59-62 (Eng. Abstr.) **(Rus)**

[Effect of hyperoxia and increased environmental gas density on the contractile function of the right of the heart] Kuleshov VI, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):73-6 (Eng. Abstr.) **(Rus)**

[Level of lipolysis and the contractile function of the intact myocardium] Frolov VA, et al. **Patol Fiziol Eksp Ter** 1985 May-Jun;(3):24-8 (Eng. Abstr.) **(Rus)**

[Effect of hypoxia and hypoperfusion on the contractile function of the isolated heart working under various loads] Kapel'ko VI, et al. **Patol Fiziol Eksp Ter** 1984 Jul-Aug; (4):32-6 (Eng. Abstr.) **(Rus)**

[Role of the sympathetic nervous system in changes in systemic hemodynamics and myocardial contractility in rats with hereditarily induced hypertension] Markov KhM, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct;(5):35-40 (Eng. Abstr.) **(Rus)**

[Effect of ischemia on the coupling of excitation and contraction processes in the papillary muscle of the rat] Mukumov MR, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct; (5):27-31 (Eng. Abstr.) **(Rus)**

[Correlational analysis of the indices of cardiac contractile function and its biochemical characteristics in experimental coronary insufficiency] Orlova NN, et al. **Patol Fiziol Eksp Ter** 1984 Jul-Aug;(4):80-2 **(Rus)**

[Echocardiography in the evaluation of phasic-volumetric indicators of the cardiac cycle in healthy schoolchildren] Galstian AA, et al. **Pediatriia** 1984 Nov;(11):18-20 (Eng. Abstr.) **(Rus)**

[The cellular basis of myocardial contractile insufficiency] Tsellarius IuG, et al. **Sov Med** 1985;(2):37-42 (45 ref.) **(Rus)**

[Diagnosis of impairment of segmental myocardial contractility during the acute phase of infarction using sector scanning] Charchoglian RA, et al. **Ter Arkh** 1984; 56(8):23-6 (Eng. Abstr.) **(Rus)**

[Evaluation of the pump and contractile functions of the heart in healthy persons by tetrapolar chest rheography] Degtiareva EA, et al. **Ter Arkh** 1984;56(12):39-45 (Eng. Abstr.) **(Rus)**

[The cardiovascular system in patients with chronic renal failure (echocardiographic data)] Korytnikov KI, et al. **Ter Arkh** 1984;56(12):65-9 (Eng. Abstr.) **(Rus)**

[Role of hyperlipidemia in disorders of myocardial function in men with or without angina pectoris and post-infarction cardiosclerosis] Lipovetskii BM, et al. **Ter Arkh** 1984; 56(12):10-3 (Eng. Abstr.) **(Rus)**

[Relations between the myocardial state and several indicators of the myocardial function of the left ventricle in patients with ischemic heart disease] Rabkin IKh, et al. **Ter Arkh** 1984;56(8):14-7 (Eng. Abstr.) **(Rus)**

[Quantitative evaluation of disorders of total and regional contractile function in patients with left ventricular postinfarct aneurysm using computed 2-dimensional echocardiography] Ruda MIa, et al. **Ter Arkh** 1985; 57(4):110-5 **(Rus)**

[Evaluation of myocardial reserve in patients with post-infarction heart aneurysm] Tkachenko VM. **Ter Arkh** 1985;57(5):75-9 (Eng. Abstr.) **(Rus)**

[The heart as the major link in the functional system supplying energy to arterial circulation] Pirogova GV. **Vestn Akad Med Nauk SSSR** 1985;(2):70-9 (Eng. Abstr.) **(Rus)**

[Hyperthyroid cardiomyopathy: disorders in the creatine transport system and increased sensitivity to ischemic damage] Seppet EK, et al. **Vestn Akad Med Nauk SSSR** 1984;(10):48-56 (Eng. Abstr.) **(Rus)**

[Roentgenocardiometry in evaluating the contractile function of the left ventricular myocardium in patients with isolated lesions of the aortic valve] Tkachenko VM, et al. **Vestn Rentgenol Radiol** 1985 Mar-Apr;(2):46-51 (Eng. Abstr.) **(Rus)**

[Indices of central hemodynamics and contractile function of the myocardium of healthy subjects during physical exertion] Momot MD, et al. **Voen Med Zh** 1984 Nov; (11):53-4 **(Rus)**

[Clinico-functional characteristics of physical work capacity of healthy men of different ages and possibilities of using these data for the elaboration of physical exercises and differentiated control] Pirogova EA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr; (2):50-3 **(Rus)**

[Role of sialic acid loss in the myocardium in depressing the contractile function of the heart muscle during stress] Meerson FZ, et al. **Vopr Med Khim** 1985 Mar-Apr; 31(2):118-20 (Eng. Abstr.) **(Rus)**

[Prevention of impairment of myocardium metabolism and function in immobilization stress using previous adaptation to short stress exposures] Meerson FZ, et al. **Vopr Med Khim** 1985 May-Jun;31(3):41-5 (Eng. Abstr.) **(Rus)**

[Blood oxygenation and the diastolic phase structure in the initial stage of heart failure] Denisiuk VI. **Vrach Delo** 1984 Oct;(10):60-3 (Eng. Abstr.) **(Rus)**

[Characteristics of the central hemodynamics and morphofunctional state of the myocardium in patients with nonspecific lung diseases] Kishnereva AG, et al. **Vrach Delo** 1985 Jun;(6):39-41 (Eng. Abstr.) **(Rus)**

[Myocardial contraction and coronary circulation in experimental myocardial hypertrophy] Stroganova NP, et al. **Vrach Delo** 1985 Mar;(3):44-7 (Eng. Abstr.) **(Rus)**

[Chronotropic and inotropic heart functions as indicators of myocardial insufficiency and physical work capacity of patients with mitral valve defects] Valevskii SF. **Vrach Delo** 1985 May;(5):70-3 (Eng. Abstr.) **(Rus)**

[Comparison of electrocardiographic changes with disorders of left ventricular wall motion and occlusive changes in the coronary arteries in patients with ischemic heart disease] Vrcelj S, et al. **Srp Arh Celok Lek** 1983 Sep-Oct;

111(9-10):1429-40 (Eng. Abstr.) (Scr)

[Evaluation of left ventricular function in a patient with angina pectoris by the determination of systolic time intervals] Ilić S, et al. **Acta Med Iugosl** 1985;39(2):109-16 (Eng. Abstr.) (Scr)

[Systolic time intervals in patients with postinfarction cardiac insufficiency] Ilić S, et al. **Vojnosanit Pregl** 1984 Nov-Dec; 41(6):467-70 (Scr)

[Differential variability of cardiac response in a classical conditioning procedure] Becerra de Penfold J, et al. **Acta Cient Venez** 1984;35(5-6):428-33 (Eng. Abstr.) (Spa)

[Analysis of the segmentary motility of the left ventricle by dimensional echocardiography in ischemic cardiopathy] Criconia GM, et al. **Arch Inst Cardiol Mex** 1985 Jan-Feb; 55(1):39-47 (Eng. Abstr.) (Spa)

[Study of left ventricular relaxation using computerized M-mode echocardiographic analysis] Alonso Gómez AM, et al. **Rev Esp Cardiol** 1984 May-Jun;37(3):175-80 (Eng. Abstr.) (Spa)

[Apexcardiogram indexes and its 1st derivative evaluating myocardial contractility: normal values] Juncos J, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1983;41(3-4):10-4 (Eng. Abstr.) (Spa)

[Criteria of measurement of end systolic diameter and its relation to minimal ventricular diameter. Study with computerized echocardiography] Abadal J, et al. **Rev Med Chil** 1984 Apr;112(4):350-4 (Eng. Abstr.) (Spa)

DRUG EFFECTS

Studies on the calcium antagonistic action of tetrandrine: IX. Effects of tetrandrine on action potential and contraction of isolated guinea pig papillary muscles. Zong XG, et al. **Acta Acad Med Wuhan** 1984;4(3):133-7

A new method for clinical assessment of the negative inotropic action of anaesthetics--with special reference to isoflurane and its effect on myocardial oxygenation. Reiz S, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):422-5

Comparative studies on the positive inotropic effect of isoproterenol and bromobenzoyl-methyladamantylamine in guinea pig ventricular myocardium. Mészáros J, et al. **Acta Physiol Hung** 1984;64(1):91-100

The effect of low-Na perfusion and D-600 on 45Ca exchange and contractions in the ventricular myocardium of the guinea-pig heart. Pytkowski B, et al. **Acta Physiol Pol** 1983 Sep-Dec;34(5-6):483-91

Effect of noradrenaline on rest-dependent and excitation-dependent exchange of calcium in the ventricular muscle of guinea-pig heart. Pytkowski B. **Acta Physiol Pol** 1983 Sep-Dec;34(5-6):493-9

Stimulation of cardiac contractility by catecholamines is diminished in experimental uremia. Kreusser W, et al. **Adv Exp Med Biol** 1984;178:435-9

Adenosine deaminase inhibition and myocardial adenosine metabolism during ischemia. Achterberg PW, et al. **Adv Myocardiol** 1985;6:465-72

Enhanced relaxation and reduced positive inotropic effects of amrinone in ventricular muscle from cats with subacute heart failure. Implications for drug therapy. Bassett AL, et al. **Adv Myocardiol** 1985;6:629-36

Myocardial reoxygenation damage. Can it be circumvented? Chappell SP, et al. **Adv Myocardiol** 1985;6:585-92

Disturbances of the heart structure and function in chronic hemolytic anemia, their compensation with increased coronary flow, and their prevention with ionol, an inhibitor of lipid peroxidation. Meerson FZ, et al. **Adv Myocardiol** 1985;5:201-11

Impairment of myocardial function induced by particulate contamination of cardioplegic solutions. Robinson LA, et al. **Adv Myocardiol** 1985;6:503-12

Accelerated recovery of ischemic canine myocardium induced by AMP. Preliminary report. Sami HM, et al. **Adv Myocardiol** 1985;6:483-90

Calcium agonism, a new mechanism for positive inotropy. Hemodynamic effects and mode of action of BAY K 8644. Schramm M, et al. **Adv Myocardiol** 1985;6:59-70

Mechanical response of rabbit myocardium and coronary arteries to leukotriene D4. Failure to demonstrate a role in the pathophysiology of hypoxia. Tones MA, et al. **Adv Myocardiol** 1985;6:395-403

Calcium antagonists and myocardial protection during cardioplegic arrest. Yamamoto F, et al. **Adv Myocardiol** 1985;6:545-62

Vasodilator and inotropic therapy for heart failure. DiPalma JR. **Am Fam Physician** 1985 Jun;31(6):177-80

Effects of molsidomine on left ventricular dimensions and cardiac function in patients with chronic heart failure. Berkenboom GM, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):691-3

Effect of propranolol on left ventricular relaxation in hypertrophic cardiomyopathy: an echographic study. Bourmayan C, et al. **Am Heart J** 1985 Jun;109(6):1311-6

Potentiation by calcium channel blockade of hypoxic myocardial depression in the neonate. Downing SE. **Am Heart J** 1985 Aug;110(2):395-401

Hemodynamic and coronary effects of molsidomine at basal state, during atrial pacing, and during cold pressor test in patients with stable angina pectoris. Juliard JM, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):662-6

Effects of molsidomine on regional contraction and global function of the left ventricle. Stauch M, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):653-8

Vasodilator synchronized retroperfusion: quantitative assessment of flow-function relation in acutely ischemic canine myocardium. Berdeaux A, et al. **Am J Cardiol** 1985 May 1;55(11):1417-22

Physiologic assessment of the inotropic, vasodilator and afterload reducing effects of milrinone in subjects without cardiac disease. Borow KM, et al. **Am J Cardiol** 1985 Apr 15;55(9):1204-9

Concealment of manifest, and exposure of concealed, ventricular parasystole produced by isoproterenol. Castellanos A, et al. **Am J Cardiol** 1985 May 1; 55(11):1344-9

Effects of loading conditions and contractile state (methoxamine and dobutamine) on left ventricular early diastolic function in normal subjects. Colan SD, et al. **Am J Cardiol** 1985 Mar 1;55(6):790-6

Influence of magnesium ion on human ventricular defibrillation after aortocoronary bypass surgery. Hecker BR, et al. **Am J Cardiol** 1985 Jan 1;55(1):61-4

Anion-channel blockade with alinidine: a specific bradycardic drug for coronary heart disease without negative inotropic activity? Jaski BE, et al. **Am J Cardiol** 1985 Aug 1;56(4):270-5

Serial measurements of systolic time intervals during treatment with hydrochlorothiazide alone and combined with other antihypertensive agents. Kyle MC, et al. **Am J Cardiol** 1985 Jan 1;55(1):107-11

Improved myocardial contractility with glucose-insulin-potassium infusion during pacing in coronary artery disease. McDaniel HG, et al. **Am J Cardiol** 1985 Apr 1;55(8):932-6

Effect of ICI 118,587 on left ventricular function during graded treadmill exercise in conscious dogs. Ohyagi A, et al. **Am J Cardiol** 1984 Nov 1;54(8):1108-13

Effects of caffeine on vascular resistance, cardiac output and myocardial contractility in young men. Pincomb GA, et al. **Am J Cardiol** 1985 Jul 1;56(1):119-22

New positive inotropic drugs for the treatment of congestive heart failure. Sonnenblick EH, et al. **Am J Cardiol** 1985 Jan 11;55(2):41A-44A

Paradoxical deterioration of left ventricular asynergy after administration of nitroglycerin. Tei C, et al. **Am J Cardiol** 1985 Mar 1;55(6):677-9

Effect of amiodarone on ventricular function as measured by gated radionuclide angiography. Trobaugh GB, et al. **Am J Cardiol** 1984 Dec 1;54(10):1263-6

Comparative effects of calcium-channel blocking agents on left ventricular function during acute ischemia in dogs with and without congestive heart failure. Urquhart J, et al. **Am J Cardiol** 1985 Jan 25;55(3):10B-16B

Phospholipase D increases cell surface Ca2+ binding and positive inotropy in rat heart. Burt JM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H880-5

Attenuation of muscarinic cholinergic inhibition by islet-activating protein in the heart. Endoh M, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H309-20

Unique coronary vasodilator induction by leukotriene D4. Ezra D, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H698-702

Nicotine increases heart adenosine release, oxygen consumption, and contractility. Fenton RA, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H463-9

Responses of the atrial myocardium to cardiac sympathetic nerve stimulation. Masuda Y, et al. **Am J Physiol** 1985 Aug; 249(2 Pt 2):H207-11

Charged amphiphiles regulate heart contractility and sarcolemma-Ca2+ interactions. Philipson KD, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H147-50

Effects of peptide leukotrienes on cardiac dynamics in rat, cat, and guinea pig hearts. Roth DM, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H477-84

Isotonic length transient of cat heart muscle in Ba2+-induced contracture. Saeki Y, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):H548-55

Negative inotropic effect of etomidate in rabbit papillary muscle. Komai H, et al. **Anesth Analg** 1985 Apr;64(4):400-4

Enflurane enhances postischemic functional recovery in the isolated rat heart. Freedman BM, et al. **Anesthesiology** 1985 Jan;62(1):29-33

Effect of timolol on the sympathetic nervous system in coronary occlusion in cats. Spivey WH, et al. **Ann Emerg Med** 1985 Oct;14(10):939-44

Adverse cardiac effects of acute alcohol ingestion in young adults. Lang RM, et al. **Ann Intern Med** 1985 Jun; 102(6):742-7

A comparison of nitroglycerin and nitroprusside: II. The effects of volume loading. Fremes SE, et al. **Ann Thorac Surg** 1985 Jan;39(1):61-7

Experimental effects of AR-L 115 BS on electrophysiology, contractility and relaxation parameters. Gimeno JV, et al. **Arch Farmacol Toxicol** 1984 Dec;10(3):143-50

In vitro studies on the pharmacological properties of diacetolol, the major metabolite of acebutolol in man. Borchard U, et al. **Arch Int Pharmacodyn Ther** 1985 Jan; 273(1):4-17

Effects of the (+/-)-, (+)- and (-)-forms of propranolol, timolol and metoprolol on noradrenergic transmission in the rat isolated right ventricle. Bradley L, et al. **Arch Int Pharmacodyn Ther** 1984 Jul;270(1):61-78

Influence of verapamil on the digoxin-induced inotropic effect in guinea-pig isolated atria. Dorigo P, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):80-8

Differences between the effects of phenylephrine and other inotropic interventions on post-rest contraction in guinea-pig ventricular strips. Mantelli L, et al. **Arch Int Pharmacodyn Ther** 1984 Dec;272(2):225-35

Effect of mifentidine on histamine-stimulated human atrium 'in vitro': comparison with ranitidine and cimetidine. Poli E, et al. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):221-5

A comparison of the effects of 4-dimethylaminopyridine and 4-aminopyridine on isolated cardiac and skeletal muscle preparations. Savage AO. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):262-76

Inotropic and electrophysiological effects of PY 108-068 on isolated cardiac preparations. Tejerina MT, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):64-80

Systolic properties of normal and septic isolated rat hearts. The effect of branched chain amino acids. Freund HR, et al. **Arch Surg** 1985 Apr;120(4):483-8

Beta-adrenoceptor blocking agents and their effects on heart and blood vessels. Clark BJ. **Arq Bras Cardiol** 1984 Apr; 42(4):237-42

The response of the calcium dependent myocardial contractility to the new cardiotonic agent sulmazole. Achenbach C, et al. **Arzneimittelforsch** 1984; 34(11):1498-506

Action of creatinol-O-phosphate on the contractility changes evoked by hypoxia and ischemia in rat isolated heart. Godfraind T, et al. **Arzneimittelforsch** 1984;34(9):968-72

Effect on contractility of skinned fibres from mammalian heart and smooth muscle by a new benzimidazole derivative, 4,5-dihydro-6-[2-(4-methoxyphenyl)-1H-benzimidazol-5 l-3(2H)- pyridazinone. Rüegg JC, et al. **Arzneimittelforsch** 1984;34(12):1736-8

Investigation into the inotropic mechanisms of sulmazole. Walland A. **Arzneimittelforsch** 1985;35(1A):369-76

Relationship between positive inotropic action and blood levels of denopamine in cats. Naito K, et al. **Arzneimittelforschung** 1985;35(5):833-5

Calcium antagonistic properties of nicardipine, a dihydropyridine derivative assessed in isolated cerebral arteries and cardiac muscle. Nakayama K, et al. **Arzneimittelforschung** 1985;35(4):687-93

Temperature dependence of verapamil action. Piper HM, et al. **Basic Res Cardiol** 1985;80 Suppl 1:123-7

On the mechanism of enhanced ATP formation in hypoxic myocardium caused by glutamic acid. Pisarenko OI, et al. **Basic Res Cardiol** 1985 Mar-Apr;80(2):126-34

Positive inotropic actions of the calcium channel stimulator, Bay k 8644, in awake, unsedated dogs. Preuss KC, et al. **Basic Res Cardiol** 1985 May-Jun;80(3):326-32

The influence of endurance training on mechanical catecholamine responsiveness, beta-adrenoceptor density and myosin isoenzyme pattern of rat ventricular myocardium. Takeda N, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):88-99

Effects of dihydropyridine calcium channel modulators in the heart: pharmacological and radioligand binding correlations. Schwartz A, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):387-94

Influence of dihydralazine induced afterload reduction on systolic time intervals and echocardiography in healthy subjects. Stern HC, et al. **Br Heart J** 1984 Oct;52(4):435-9

Influence of atenolol and nifedipine on digoxin-induced inotropism in humans. Hansen PB, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):817-22

Indoramin-prolongation of repolarization time, a mechanism of bradycardia in man? Harron DW, et al. **Br J Clin Pharmacol** 1985 Feb;19(2):266-71

Effects of nicardipine on coronary blood flow, left ventricular inotropic state and myocardial metabolism in patients with angina pectoris. Rousseau MF, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:147S-157S

Comparison of negative inotropic potency, reversibility, and effects on calcium influx of six calcium channel antagonists in cultured myocardial cells. Barry WH, et al. **Br J Pharmacol** 1985 May;85(1):51-9

Influence of heart rate on the effects of prenalterol on regional myocardial blood flow and function during coronary stenosis in dogs. Berdeaux A, et al. **Br J Pharmacol** 1984 Sep;83(1):203-10

Relationship between the stereoselective negative inotropic effects of verapamil enantiomers and their binding to putative calcium channels in human heart. Ferry DR, et al. **Br J Pharmacol** 1985 Apr;84(4):811-24

Erythrosin B inhibits high affinity ouabain binding in guinea-pig heart Na+-K+-ATPase without influence on cardiac glycoside induced contractility. Fricke U. **Br J Pharmacol** 1985 Jun;85(2):327-34

A comparison of several calcium antagonists on uterine, vascular and cardiac muscles from the rat. Granger SE, et al. **Br J Pharmacol** 1985 May;85(1):255-62

Differential antagonism by Bay k 8644, a dihydropyridine calcium agonist, of the negative inotropic effects of nifedipine, verapamil, diltiazem and manganese ions in canine ventricular muscle. Ishii K, et al. **Br J Pharmacol** 1985 Feb;84(2):577-84

No inotropic action of enkephalins or enkephalin derivatives on electrically-stimulated atria isolated from lean and obese rats. Saunders WS, et al. **Br J Pharmacol** 1985 Jun; 85(2):513-22

Progesterone derivatives that bind to the digitalis receptor: effects on 86Rb uptake and contractility in the isolated guinea pig heart. LaBella FS, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1057-64

Modifications evoked by piretanide in the mechanical activity of cardiovascular tissues. Lacuara JL, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):283-6

Prostaglandin E1 increases myocardial contractility in the conscious dog. Roux S, et al. **Can J Physiol Pharmacol** 1984 Dec;62(12):1505-10

Effect of strontium on the contractile properties of postnatally developing rat heart ventricles. Vornanen M. **Can J Physiol Pharmacol** 1985 Jan;63(1):9-17

Acute effects of doxorubicin on chronotropic and inotropic mechanisms in guinea pig atria. Politi PM, et al. **Cancer Treat Rep** 1985 Jul-Aug;69(7-8):859-65

Changes in systolic time intervals during physical training in patients with ischemic heart disease. Effect of beta-blockade. Vanhees L, et al. **Cardiology** 1984; 71(4):207-14

The effect of nifedipine on normal and ischemic left ventricular function during atrial pacing stress. Weiss AT, et al. **Cardiology** 1984;71(4):190-8

Mechanism of the negative inotropic action of leukotrienes C4 and D4 on isolated rat heart. Bittl JA, et al. **Cardiovasc Res** 1985 Jul;19(7):426-32

Concentration-response curves of positive inotropic agents before and after ouabain pretreatment. Brown L, et al. **Cardiovasc Res** 1985 May;19(5):288-98

Accentuated negative inotropism of verapamil after ischaemic intervention in isolated working rat heart. Konishi T, et al. **Cardiovasc Res** 1984 Oct;18(10):639-44

Inotropic effects of ionic contrast media: the role of calcium binding additives. Murdock DK, et al. **Cathet Cardiovasc Diagn** 1984;10(5):455-63

Studies on positive inotropic agents. I. Synthesis of 3,4-dihydro-6-[4-(3,4-dimethoxybenzoyl)-1-piperazinyl]-quinolinone and related compounds. Tominaga M, et al. **Chem Pharm Bull (Tokyo)** 1984 Jun;32(6):2100-10

The effect of caffeine on cardiac rate, rhythm, and ventricular repolarization. Analysis of 18 normal subjects and 18 patients with primary ventricular dysrhythmia. Sutherland DJ, et al. **Chest** 1985 Mar;87(3):319-24

Sodium pump inhibition, enhanced calcium influx via sodium-calcium exchange, and positive inotropic response in cultured heart cells. Barry WH, et al. **Circ Res** 1985 Feb;56(2):231-41

Phospholipase D produces increased contractile force in rabbit ventricular muscle. Langer GA, et al. **Circ Res** 1985 Jan;56(1):146-9

Inotropic effect, binding properties, and calcium flux effects of the calcium channel agonist CGP 28392 in intact cultured embryonic chick ventricular cells. Laurent S, et al. **Circ Res** 1985 May;56(5):676-82

The mechanism by which adenosine and cholinergic agents reduce contractility in rat myocardium. Correlation with cyclic adenosine monophosphate and receptor densities. Linden J, et al. **Circ Res** 1985 May;56(5):728-35

Ryanodine as a tool to determine the contributions of calcium entry and calcium release to the calcium transient and contraction of cardiac Purkinje fibers. Marban E, et al. **Circ Res** 1985 Jan;56(1):133-8

Influence of chronic captopril therapy on the infarcted left ventricle of the rat. Pfeffer JM, et al. **Circ Res** 1985 Jul; 57(1):84-95

Stimulation of hypertrophy of cultured neonatal rat heart cells through an alpha 1-adrenergic receptor and induction of beating through an alpha 1- and beta 1-adrenergic receptor interaction. Evidence for independent regulation of growth and beating. Simpson P. **Circ Res** 1985 Jun; 56(6):884-94

A dihydropyridine (Bay k 8644) that enhances calcium currents in guinea pig and calf myocardial cells. A new type of positive inotropic agent. Thomas G, et al. **Circ Res** 1985 Jan;56(1):87-96

Effects of Bay k 8644, a dihydropyridine analog, on [3H]nitrendipine binding to canine cardiac sarcolemma and the relationship to a positive inotropic effect. Vaghy PL, et al. **Circ Res** 1984 Oct;55(4):549-53

Improvement in regional wall motion and left ventricular relaxation after administration of diltiazem in patients with coronary artery disease. Dash H, et al. **Circulation** 1985 Aug;72(2):353-63

Impaired inotropic responses to alpha-adrenergic stimulation in experimental left ventricular hypertrophy. Fouad FM, et al. **Circulation** 1985 May;71(5):1023-8

Improvement in indexes of diastolic performance in patients with congestive heart failure treated with milrinone. Monrad ES, et al. **Circulation** 1984 Dec;70(6):1030-7

Hemodynamic and clinical limitations of long-term inotropic therapy with amrinone in patients with severe chronic heart failure. Packer M, et al. **Circulation** 1984 Dec;70(6):1038-47

Inotropic therapy for refractory congestive heart failure with oral fenoximone (MDL-17,043): poor long-term results despite early hemodynamic and clinical improvement. Shah PK, et al. **Circulation** 1985 Feb;71(2):326-31

Effect of diltiazem and propranolol on left ventricular segmental relaxation during temporary coronary arterial occlusion and one month reperfusion in conscious dogs. Tilton GD, et al. **Circulation** 1985 Jan;71(1):165-75

Improvement in exercise capacity and associated changes in hemodynamics and left ventricular function after the addition of metoprolol to nifedipine in patients with stable exertional angina. Choong CY, et al. **Clin Cardiol** 1985 Apr; 8(4):213-24

Echocardiographic evaluation of cardiovascular effects of amrinone. Modena MG, et al. **Clin Cardiol** 1984 Nov; 7(11):593-8

Calcium paradox from cyclostome to man: a comparative study. Poupa O, et al. **Comp Biochem Physiol [A]** 1985; 81(4):801-5

Activation of contractility and occurrence of aftercontractions in Ca2+ and Sr2+-solutions during the postnatal development of the rat heart. Vornanen M. **Comp Biochem Physiol [A]** 1985;80(1):129-34

Potentiation of the 5-hydroxytryptamine-induced increases in myocardial contractility in Mercenaria mercenaria ventricle by forskolin. Paciotti GF, et al. **Comp Biochem Physiol [C]** 1985;80(2):325-9

Effects of caffeine on the mechanical properties of developing rat heart ventricles. Vornanen M. **Comp Biochem Physiol [C]** 1984;78(2):329-34

The influence of a therapeutic dose of nitroglycerin on invasive and non-invasive parameters of left ventricular performance in coronary heart disease. Kenda MF, et al. **Cor Vasa** 1984;26(4):257-65

Inotropic effect of different albumin solutions on isolated papillary muscle. Schlag G, et al. **Crit Care Med** 1985 Aug; 13(8):661-3

Insulin and glucagon have insignificant inotropic properties in the normal and septic isolated rat heart. Markovitz LJ, et al. **Curr Surg** 1984 Jul-Aug;41(4):274-7

Influences of age on the positive inotropic effect mediated by alpha- and beta-adrenoceptors in rat ventricular strips. Amerini S, et al. **Dev Pharmacol Ther** 1985;8(1):34-42

Effect of long-term oral nifedipine therapy on left ventricular regional wall function at rest and during supine bicycle exercise. Bos RJ, et al. **Eur Heart J** 1985 Apr;6(4):349-57

Mechanism of action of cardiac glycosides. Godfraind T. **Eur Heart J** 1984 Dec;5 Suppl F:303-8 (51 ref.)

A new inotropic aminosteroid: LND 623. Jarreau FX, et al. **Eur Heart J** 1984 Dec;5 Suppl F:309-14

Digitalis receptors in cardiac cells and their relation with positive inotropic and cardiotoxic effects. Lazdunski M, et al. **Eur Heart J** 1984 Dec;5 Suppl F:281-90

Reversal of left ventricular hypertrophy and improvement of cardiac function in man by nifedipine. Strauer BE, et al. **Eur Heart J** 1984 Dec;5 Suppl F:53-60

Effects of atriopeptins I, II and III on atrial contractility, sinus nodal rate (guinea pig) and agonist-induced tension in rabbit aortic strips. Bergey JL, et al. **Eur J Pharmacol** 1985 Apr 2;110(2):277-81

The positive inotropic effect of sodium arachidonate on auricles from diabetic rats. Canga L, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):47-54

Frequency-dependent depression of myocardial contractility by slow calcium channel blocking drugs. Chappell SP, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):129-32

Effect of neuraminidase treatment on the inotropic response to ouabain, isoproterenol and calcium in the guinea pig heart. Fawzi AB, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):295-311

Inotropic effect of taurine in guinea-pig ventricular strips. Franconi F, et al. **Eur J Pharmacol** 1984 Jul 20; 102(3-4):511-4

The importance of the alpha-adrenoceptor agonist activity of dobutamine to inotropic selectivity in the anaesthetized cat. Kenakin TP, et al. **Eur J Pharmacol** 1985 May 20; 111(3):347-54

Stimulation frequency alters the inotropic response of atrial muscle to BAY K-8644. Kennedy RH, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):209-14

Co-existence of substance P and calcitonin gene-related peptide-like immunoreactivities in sensory nerves in relation to cardiovascular and bronchoconstrictor effects of capsaicin. Lundberg JM, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):315-9

The interaction of carbachol and forskolin in rabbit papillary muscles. Macleod KM. **Eur J Pharmacol** 1984 Dec 15; 107(1):95-9

Effects of AQA39 on contractile performance of isolated mammalian ventricular myocardium. Sys SU, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):33-9

Temperature-dependent development of ouabain action in isolated guinea pig heart: differences in sodium influx? Temma K. **Eur J Pharmacol** 1984 Sep 17;104(3-4):223-33

Use-dependent effects of amiodarone on Vmax in cardiac Purkinje and ventricular muscle fibers. Varro A, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):419-22

Difference of the inhibitory action of verapamil on the positive inotropic effect of Ca2+ between spontaneously hypertensive and normotensive rat myocardium. Kondo N, et al. **Experientia** 1984 Dec 15;40(12):1392-3

Pretreatment with coenzyme Q10 protects guinea pig ventricular muscle from hypoxia-induced deterioration of action potentials and contraction. Aomine M, et al. **Gen Pharmacol** 1985;16(2):91-6

Comparison of the electrophysiological effects of 4-aminoquinoline, quinidine and lidocaine on frog atrial contractile fibres. Guerrero S, et al. **Gen Pharmacol** 1984; 15(5):385-9

Calcium and the mechanism of action of digitalis. Orrego F. **Gen Pharmacol** 1984;15(4):273-80

Calcium channel blocking agents: physiologic basis of nursing intervention. Touloukian JE. **Heart Lung** 1985 Jul; 14(4):342-50 (14 ref.)

Effects of human anaphylatoxins on guinea pig atria. Huey R, et al. **Immunopharmacology** 1984 Dec;8(3-4):147-54

Effect of C5a on isolated guinea pig atria. Regal JF. **Immunopharmacology** 1985 Feb;9(1):27-31

Effects of cardioactive drugs on the beating activity of myocardial cell cultures isolated from offspring of trained and untrained pregnant rats. Butler AW, et al. **In Vitro** 1984 Aug;20(8):629-34

Oxyfedrine and cardiac inotropism in coronary artery disease. Krishnaswami S, et al. **Indian Heart J** 1984 May-Jun; 36(3):161-5

Effect of oxyfedrine on exercise performance and systolic time intervals in patients of angina pectoris. Puri VK, et al. **Indian Heart J** 1984 Jul-Aug;36(4):226-30

Systolic time intervals in chronic hypertensives before and after antihypertensive therapy. Sanghvi NG, et al. **Indian Heart J** 1984 Nov-Dec;36(6):391-4

Acute effect of nifedipine on left and right ventricular functions in patients with ischaemic heart disease--a radionuclide ventriculography study. Wasir HS, et al. **Indian Heart J** 1984 May-Jun;36(3):147-51

Studies on the mechanism of positive inotropic action of WIN 35020 [3-(dimethyl amino)-2,3,4,9-tetrahydro-1 H-carbazol-7-01-HC1] Bhansali BB, et al. **Indian J Exp Biol** 1984 Sep;22(9):484-6

Acute effects of doxorubicin (adriamycin) on left ventricular function in dogs. Ditchey RV, et al. **Int J Cardiol** 1984 Sep;6(3):341-53

Positive inotropic effect of acetylcholine in isolated human atrial fibers. Lin CI, et al. **Int J Cardiol** 1984 Dec;6(6):743-6

Adriamycin does have a potentially depressant effect on left ventricular contractility [letter] Singal PK. **Int J Cardiol** 1985 Apr;7(4):447-9

Effect of a combination of pindolol and isosorbide dinitrate on ischemic ST-segment depression and exercise ability in angina pectoris. Dorow P, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Aug;22(8):419-22

Effects of beta-endorphin on the contraction and electrical activity of the isolated perfused rat heart. Lee AY, et al. **Int J Pept Protein Res** 1984 Nov;24(5):525-8

Inotropic, vascular and neuroendocrine effects of nifedipine in heart failure: comparison with nitroprusside. Fifer MA, et al. **J Am Coll Cardiol** 1985 Mar;5(3):731-7

Cellular mechanism of action of cardiac glycosides. Fozzard HA, et al. **J Am Coll Cardiol** 1985 May;5(5 Suppl A):10A-15A (43 ref.)

Late effects of intracoronary streptokinase on regional wall motion, ventricular aneurysm and left ventricular thrombus in myocardial infarction: results from the Western Washington Randomized Trial. Stratton JR, et al. **J Am Coll Cardiol** 1985 May;5(5):1023-8

Regional wall motion improvement after coronary thrombolysis with recombinant tissue plasminogen activator: importance of coronary angioplasty. Topol EJ, et al. **J Am Coll Cardiol** 1985 Aug;6(2):426-33

Inotropic effect of methylxanthines [letter] Watt AH. **J Am Coll Cardiol** 1985 Jul;6(1):260

Effect of procainamide on myocardial contractile function and digoxin inotropy. Williams JF Jr, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1184-7

The measurement of the relative efficacy of agonists by selective potentiation of tissue responses: studies with isoprenaline and prenalterol in cardiac tissue. Kenakin TP, et al. **J Auton Pharmacol** 1984 Sep;4(3):153-9

The positive inotropic action of isoprenaline is associated with the release of noradrenaline from rabbit, guinea-pig and rat atria. Sarantos-Laska C, et al. **J Auton Pharmacol** 1984 Sep;4(3):175-83

Hemodynamic and pharmacologic influences on the left ventricular echo dimension-apex cardiogram loop in dogs. Kolev NS, et al. **J Cardiogr** 1984 Oct;14(3):537-42

Effects of intracoronary nifedipine on blood flow and segment shortening in normal and ischemic myocardium: potentiation by ischemia of the negative inotropic effect. Abrahamsson T, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb;7(1):131-8

Studies on the mechanism of the positive inotropic effect of piroximone in cat papillary muscle. Cheng HC, et al. **J Cardiovasc Pharmacol** 1985 Jul-Aug;7(4):747-52

Effect of prenalterol on contractility, relaxation, and filling phase in coronary artery disease patients with previous myocardial infarction. Cucchini F, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct;6(5):822-8

Relationship of cardiac muscle tension to Na+,K+-adenosine triphosphatase activity after chronic digitoxin administration in cats. Durrett LR, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):411-6

Inotropic effects of histamine in human myocardium: differentiation between positive and negative components. Guo ZG, et al. **J Cardiovasc Pharmacol** 1984 Nov-Dec; 6(6):1210-5

Influence of altered thyroid state on the inotropic potency of isoproterenol--studies with isolated rat left atria paced at different frequencies. Handberg GM. **J Cardiovasc Pharmacol** 1984 Sep-Oct;6(5):943-8

A comparison of the cardiotonic effects of AR-L115 and AR-L57: evidence for distinct inotropic mechanisms. Hayes JS, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb; 7(1):182-9

Analysis of the positive inotropic effect of ibopamine in the blood-perfused canine papillary muscle. Kawahara K, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):316-20

Serotonin and the heart: effects of ketanserin on myocardial function, heart rate, and arrhythmias. Saman S, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S70–5 (41 ref.)

Positive inotropic and electrophysiological effects of APP 201–533 can be explained by an increase of cardiac cyclic AMP. Scholtysik G, et al. **J Cardiovasc Pharmacol** 1985 May–Jun;7(3):597–603

Inotropic and chronotropic activity of berberine on isolated guinea pig atria. Shaffer JE. **J Cardiovasc Pharmacol** 1985 Mar–Apr;7(2):307–15

Asocainol, a new antiarrhythmic drug with natrium– and calcium–antagonistic effects on ventricular myocardium. Späh F. **J Cardiovasc Pharmacol** 1984 Nov–Dec; 6(6):1027–35

Electromechanical dissociation after ventricular fibrillation: prevention with calcium–entry blockers. Vincent JL, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec;6(6):1124–31

Platelet–induced neurogenic coronary contractions due to accumulation of the false neurotransmitter, 5–hydroxytryptamine. Cohen RA. **J Clin Invest** 1985 Jan; 75(1):286–92

Effects of thyroid hormone on sodium pump sites, sodium content, and contractile responses to cardiac glycosides in cultured chick ventricular cells. Kim D, et al. **J Clin Invest** 1984 Oct;74(4):1481–8

Direct and indirect effects of calcium entry blocking agents on isovolumic left ventricular relaxation in conscious dogs. Walsh RA, et al. **J Clin Invest** 1985 May;75(5):1426–34

The effect of antiarrhythmic agents on myocardial contractility and arrhythmia frequency. Keefe DL, et al. **J Clin Pharmacol** 1984 Jul;24(7):306–12

The effects of trimetoquinol on the intact rabbit heart and myocardial adenylate cyclase activity: evidence for spare myocardial beta receptors. Babich M, et al. **J Mol Cell Cardiol** 1985 Jun;17(6):565–74

On the mechanism by which caffeine abolishes the fast rhythms induced by cardiotonic steroids. Di Gennaro M, et al. **J Mol Cell Cardiol** 1984 Sep;16(9):851–62

The inotropic activity of digitalis genins is dependent upon C(17) side–group carbonyl oxygen position. From AH, et al. **J Mol Cell Cardiol** 1984 Sep;16(9):835–42

Effects of calcium flux inhibitors on contracture and calcium content during inhibition of high energy phosphate production in cultured heart cells. Hasin Y, et al. **J Mol Cell Cardiol** 1984 Sep;16(9):823–34

The relative sensitization by acidosis of five calcium blockers in cat papillary muscles. Smith HJ, et al. **J Mol Cell Cardiol** 1985 Jul;17(7):709–16

Influence of alpha– and beta–adrenergic antagonists on dopamine–induced responses in the isolated heart of Mercenaria mercenaria. Mann DE Jr, et al. **J Pharm Sci** 1984 Oct;73(10):1491–3

Vasodilatory action of HA1004 [N–(2–guanidinoethyl)–5–isoquinolinesulfonamide], a novel calcium antagonist with no effect on cardiac function. Asano T, et al. **J Pharmacol Exp Ther** 1984 Oct; 231(1):141–5

Differential effects of sulmazole (AR–L 115 BS) on contractile force and cyclic AMP levels in canine ventricular muscle: comparison with MDL 17,043. Endoh M, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):267–73

Pharmacology of LY175326: a potent cardiotonic agent with vasodilator activities. Hayes JS, et al. **J Pharmacol Exp Ther** 1985 May;233(2):318–26

Kinetics of ouabain binding and changes in cellular sodium content, 42K+ transport and contractile state during ouabain exposure in cultured chick heart cells. Kim D, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):326–33

Effects of diacetyl monoxime on cardiac excitation–contraction coupling. Li T, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):688–95

Reversal of caffeine–induced calcium overload in cardiac Purkinje fibers. Satoh H, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):172–9

Demonstration of an alpha adrenoceptor–mediated inotropic effect of norepinephrine in human atria. Skomedal T, et al. **J Pharmacol Exp Ther** 1985 May;233(2):441–6

Effects of selective alpha 1–, alpha 2–, beta 1–and beta 2–adrenoceptor stimulation on potentials and contractions in the rabbit heart. Dukes ID, et al. **J Physiol (Lond)** 1984 Oct;355:523–46

Relation of sodium pump inhibition to positive inotropy at low concentrations of ouabain in rat heart muscle. Grupp I, et al. **J Physiol (Lond)** 1985 Mar;360:149–60

Effect of extracellular calcium on contractile activation in guinea–pig ventricular muscle. Kitazawa T. **J Physiol (Lond)** 1984 Oct;355:635–59

The different effects of leucine, isoleucine, and valine on systolic properties of the normal and septic isolated rat heart. Markovitz LJ, et al. **J Surg Res** 1985 Mar;38(3):231–6

Different toxicological profiles for various beta–blocking agents on cardiac function in isolated rat hearts. de Wildt D, et al. **J Toxicol Clin Toxicol** 1984;22(2):115–32

Different response of left ventricular dimensions to nitroglycerin in patients with artificial pacemaker. A possible significance of reflex tachycardia for the reduction of LV cavity after nitroglycerin. Kamei K, et al. **Jpn Circ J** 1984 Dec;48(12):1306–11

Chronotropic, dromotropic and inotropic effects of dilazep in the intact dog heart and isolated atrial preparation. Chiba S, et al. **Jpn Heart J** 1984 Sep;25(5):793–803

Postural changes and isosorbide dinitrate. A polygraphic study in patients with coronary artery disease. Romano M, et al. **Jpn Heart J** 1984 Nov;25(6):1011–8

Predominant negative inotropic effect of UTP on dog cardiac muscle. Chiba S, et al. **Jpn J Pharmacol** 1984 Jul; 35(3):334–7

Relationship between the inotropy speeds in guinea–pig myocardium and lipophilic character of cardenolides and ericaceous toxins. Hotta Y, et al. **Jpn J Pharmacol** 1984 Oct;36(2):205–15

Estimation of cardiodepressant potency of nadolol, alprenolol, propranolol and pindolol, beta–blocking agents, in heart–lung preparation and blood–perfused excised papillary muscle preparation of the dog. Ono H, et al. **Jpn J Pharmacol** 1984 Dec;36(4):507–17

Involvement of cyclic AMP in the positive inotropic effect of OPC–8212, a new cardiotonic agent, on the canine ventricular muscle. Yanagisawa T, et al. **Jpn J Pharmacol** 1984 Nov;36(3):379–88

Mechanism of inotropic action by hypotonic solution in the frog atrial muscle. Ohba M, et al. **Jpn J Physiol** 1984; 34(5):803–13

Analysis of increased myocardial contractility during sodium acetate infusion in humans. Nitenberg A, et al. **Kidney Int** 1984 Nov;26(5):744–51

Negative inotropic effects of aldosterone antagonists in isolated human and guinea–pig ventricular heart muscle. Mügge A, et al. **Klin Wochenschr** 1984 Aug 1;62(15):717–23

Effects of the beta 2–adrenoceptor agonists fenoterol and salbutamol on force of contraction in isolated human ventricular myocardium. Mügge A, et al. **Klin Wochenschr** 1985 Jan 2;63(1):26–31

Pharmacological evidence for cardiac muscarinic receptor subtypes. Chassaing C, et al. **Life Sci** 1984 Oct 22; 35(17):1739–45

A cardiac specific analog of angiotensin I potentiated by converting enzyme inhibition. Cross RB, et al. **Life Sci** 1985 Feb 18;36(7):613–8

Cholera toxin–induced changes in force of contraction and cyclic AMP levels in canine ventricular myocardium: inhibition by carbachol. Endoh M, et al. **Life Sci** 1984 Dec 10;35(24):2397–406

Ca–antagonistic effect of Mg on cardiac muscle compared to synthetic Ca antagonists. Greeff K. **Magnesium** 1984; 3(4–6):353–5

Beta–adrenergic blocking effects and cardiodepressant activity of penbutolol and its two optical isomers in the guinea–pig left atrium. Badía A, et al. **Methods Find Exp Clin Pharmacol** 1984 Aug;6(8):445–8

Energetic, metabolic and contractile effects of vasopressin in mammalian heart. Domínguez–Mon M, et al. **Methods Find Exp Clin Pharmacol** 1984 Jul;6(7):373–8

Effects of cholinomimetic drugs on reptilian atrial muscles. Ojewole JA, et al. **Methods Find Exp Clin Pharmacol** 1984 Jul;6(7):379–87

Systolic time intervals––a new technique in clinical pharmacology. Warrington S. **Methods Find Exp Clin Pharmacol** 1985 Feb;7(2):93–8

Purification and characterization of (–)[125I]hydroxyphenylisopropyladenosine, an adenosine R–site agonist radioligand and theoretical analysis of mixed stereoisomer radioligand binding. Linden J. **Mol Pharmacol** 1984 Nov;26(3):414–23

Effects of para–substituted beta–adrenoceptor blocking agents and methyl–substituted phenoxypropanolamine derivatives on maximum upstroke velocity of action potential in guinea–pig papillary muscles. Ban T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar; 329(1):77–85

Effect of Ni2+ on the multiphasic positive inotropic responses to histamine mediated by H1–receptors in left atria of guinea pigs. Hattori Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Apr; 329(2):188–94

Papaverine enhances the effect of adenosine in guinea–pig atria. Moritoki H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):326–31

Effects of (–)–phenylephrine on force of contraction in the presence of cocaine and hydrocortisone in cat papillary muscle. Mügge A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov; 328(1):90–3

DPI 201–106, a novel cardioactive agent. Combination of cAMP–independent positive inotropic, negative chronotropic, action potential prolonging and coronary dilatory properties. Scholtysik G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):316–25

Intracellular mechanism of quinidine action on muscle contraction. A comparison between rabbit cardiac and skeletal muscle. Su JY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jul; 326(4):375–81

The myotropic and plasma–calcium modulating effects of calcitonin gene–related peptide (CGRP). Tippins JR, et al. **Neuropeptides** 1984 Sep;4(5):425–34

Comparative effects of verapamil, nifedipine, and diltiazem on contractile function in the isolated immature and adult rabbit heart. Boucek RJ Jr, et al. **Pediatr Res** 1984 Oct; 18(10):948–52

Inotropic effects of prostaglandin D2 and E1 on the newborn rabbit heart. Uemura S, et al. **Pediatr Res** 1984 Dec; 18(12):1277–81

Barium inhibition of the tonic component of frog atrial contraction. Potreau D, et al. **Pflugers Arch** 1985 Jul; 404(3):287–9

Interaction of cardiac glycosides with (Na+ + K+)–activated ATPase. A biochemical link to digitalis–induced inotropy. Hansen O. **Pharmacol Rev** 1984 Sep;36(3):143–63 (182 ref.)

Effect of a low sodium medium, ouabain and noradrenaline on relaxation of the myocardium of the perfused rabbit heart. Fišer B, et al. **Physiol Bohemoslov** 1985;34(1):77–84

Cardiac and extracardiac activity of an ethanolic extract of leaves of Isoplexis canariensis. Boada J, et al. **Planta Med** 1984 Aug;50(4):307–9

Clinical indications for calcium channel blockers. Somani P, et al. **Primary Care** 1985 Mar;12(1):143–64

Enkephalins have a direct positive inotropic effect on cultured cardiac myocytes. Laurent S, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5930–4

Relationship between excitability block and negative inotropic actions of antiarrhythmic drugs. Courtney KR. **Proc West Pharmacol Soc** 1984;27:181–4

Response to increases in extracellular calcium in the presence or absence of verapamil in normotensive or hypertensive cardiac muscle. Lafleur C, et al. **Proc West Pharmacol Soc** 1984;27:109–13

Dual effects of amrinone and caffeine on cardiac contractility: positive versus negative inotropy. Malécot CO, et al. **Proc West Pharmacol Soc** 1984;27:11–3

Differential inotropic and dromotropic effects of cholinergic stimulation: competition with adrenergic stimulation. Priola DV, et al. **Proc West Pharmacol Soc** 1984;27:209–11

Basal developed force and inotropic characteristics of myocardial tissue isolated from streptozotocin diabetic animals. Ramanadham S, et al. **Proc West Pharmacol Soc** 1984;27:197–200

Interaction between digoxin and verapamil in isolated cardiac muscle. Taubert KA, et al. **Proc West Pharmacol Soc** 1984; 27:101–4

Beta–adrenoceptor density changes and reserpine induced supersensitivity. Tenner TE, et al. **Proc West Pharmacol Soc** 1984;27:5–9

Cardiovascular effects of etilefrine hydrochloride during abdominal aortic surgery. Retief LW, et al. **S Afr Med J** 1984 Oct 6;66(14):526–8

Effect of intravenous digitoxin on inotropy, haemodynamics and P–Q interval in ischaemic heart disease. Amlie JP, et al. **Scand J Clin Lab Invest** 1984 Oct;44(6):503–8

Carnitine and left ventricular function in haemodialysis patients. Fagher B, et al. **Scand J Clin Lab Invest** 1985 May;45(3):193–8

Effect of vanadate on elevated blood glucose and depressed cardiac performance of diabetic rats. Heyliger CE, et al. **Science** 1985 Mar 22;227(4693):1474–7

Effects of high–K low–Na, diltiazem, caffeine and Ba on spontaneous fluctuating contractile activities in rat cardiac muscle. Ishide N, et al. **Tohoku J Exp Med** 1984 Dec; 144(4):331–41

Positive inotropic and toxic effects of brevetoxin–B on rat and guinea pig heart. Rodgers RL, et al. **Toxicol Appl Pharmacol** 1984 Nov;76(2):296–305

Blood viscosity, finger systolic pressure and effect of dazoxiben treatment in primary vasospastic disease. Sandhagen B, et al. **Ups J Med Sci** 1984;89(3):213–9

[The toxicity of aconitine and its analogs and their effects on cardiac contractile function] Zhou YP, et al. **Yao Hsueh Hsueh Pao** 1984 Sep;19(9):641–6 (Eng. Abstr.) **(Chi)**

[Systemic fibrinolytic treatment in the acute phase of myocardial infarction. Effects on coronary repermeation and left ventricular function] Douste–Blazy P, et al. **Arch Mal Coeur** 1984 Nov;77(12):1322–8 (Eng. Abstr.) **(Fre)**

[Effect of substances modifying calcium movement on the contractility of cultured cardiac cells] Auclair MC, et al. **C R Soc Biol (Paris)** 1985;179(1):74–7 (Eng. Abstr.) **(Fre)**

[Dynamic tests for monitoring fetal cardiac rhythm] Béguin F, et al. **Rev Fr Gynecol Obstet** 1985 Jul;80(7):525–8 (Eng. Abstr.) **(Fre)**

[Modification of the FT4–level and the nonspecific peripheral thyroid parameter by heparin] Eber B, et al. **Nuklearmedizin** 1984 Jun;23(3):135–8 (Eng. Abstr.) **(Ger)**

[Stress studies with dipyridamole in patients with coronary heart disease in comparison to coronary angiography, myocardial scintigraphy and ergometry findings] Krosse B, et al. **Z Gesamte Inn Med** 1984 Oct 1;39(19):469–73 (Eng. Abstr.) **(Ger)**

[Results of local intracoronary fibrinolysis in acute myocardial infarct and the effects of reperfusion on the function of the left ventricle] Müller JH, et al. **Z Gesamte Inn Med** 1984 Dec 1;39(23):573–8 (Eng. Abstr.) **(Ger)**

[Course of heart beat variability following acute alcohol intake] Weise F, et al. **Z Gesamte Inn Med** 1985 May 15; 40(10):296–7 (Eng. Abstr.) **(Ger)**

[Modification of myocardial function parameters by L– and D–penbutolol––an echocardiography, placebo–controlled double–blind study] Grube E, et al. **Z Kardiol** 1985 Feb; 74(2):99–105 (Eng. Abstr.) **(Ger)**

[Nisoldipine, a new calcium antagonist: its effect on systolic function and relaxation in the dog] Hess OM, et al.

Z Kardiol 1984 Sep;73(9):594–9 (Eng. Abstr.) **(Ger)**

[Right ventricular hemodynamics and lung function following amrinone injection] Klepzig M, et al. **Z Kardiol** 1984 Oct;73(10):623–7 (Eng. Abstr.) **(Ger)**

[Changes in contractility parameters, coronary flow and myocardial oxygen consumption following intravenous diltiazem in patients with coronary heart disease] Oeff M, et al. **Z Kardiol** 1984 Nov;73(11):717–23 (Eng. Abstr.) **(Ger)**

[Plasma levels of gitoxin (by means of RIA and rubidium 86 uptake) and systolic times after treatment with a single dose of gitoformate] Dei Cas L, et al. **Cardiologia** 1984 May–Jun;29(5–6):291–300 (Eng. Abstr.) **(Ita)**

[An analysis of the effects of prostaglandins on the bullfrog atrial muscle] Hachisuga M. **Fukuoka Igaku Zasshi** 1984 Aug;75(8):453–68 (Eng. Abstr.) **(Jpn)**

[Effects of nifedipine on left ventricular systolic and diastolic functions in left ventricular hypertrophy] Narita M, et al. **Kaku Igaku** 1984 Oct;21(10):1267–76 (Eng. Abstr.) **(Jpn)**

[Role of adenosine in coronary vascular responses to catecholamines] Tanaka T, et al. **Kokyu To Junkan** 1984 Nov;32(11):1115–8 **(Jpn)**

[Negative inotropic effects of lidocaine in children] Kawamoto M, et al. **Masui** 1984 Jun;33(6):594–8 (Eng. Abstr.) **(Jpn)**

[Circulating negative inotropic substance produced by the lung, affected by prostaglandin and thromboxane] Utsunomiya T, et al. **Nippon Geka Gakkai Zasshi** 1985 May; 86(5):527–33 (Eng. Abstr.) **(Jpn)**

[Myocardial protective effect and negative inotropic effect of verapamil in potassium cardioplegia] Suzuki Y. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jun;32(6):903–12 (Eng. Abstr.) **(Jpn)**

[Effects of diltiazem on myocardial contractility and energetics] Ando H, et al. **Rinsho Kyobu Geka** 1984 Sep; 4(5):561–6 (Eng. Abstr.) **(Jpn)**

[New coumarin derivatives with expected biological activity] Zawadzka J, et al. **Acta Pol Pharm** 1984;41(6):641–4 (Eng. Abstr.) **(Pol)**

[Effect of a single dose of lanatoside C on the left heart ventricle in patients with primary congestive cardiomyopathy] Dubiel JP, et al. **Kardiol Pol** 1984; 27(5):385–91 (Eng. Abstr.) **(Pol)**

[Effect of intravenous propranolol on resting and post-exercise left ventricular contraction in patients with coronary disease] Markiewicz K, et al. **Kardiol Pol** 1984; 27(10):817–27 (Eng. Abstr.) **(Pol)**

[The electrocardiographic picture of persons chronically exposed to lead] Knapikowa D, et al. **Pol Tyg Lek** 1985 Feb 4;40(5):125–7 **(Pol)**

[Effect of nifedipine in the isolated heart and vessels] Armelin E, et al. **Arq Bras Cardiol** 1984 Aug;43(2):115–8 (Eng. Abstr.) **(Por)**

[Acute effect of digoxin on circulation and motility of the ischemic myocardium] Manfroi WC, et al. **Arq Bras Cardiol** 1984 May;42(5):325–9 (Eng. Abstr.) **(Por)**

[Anti-arrhythmia activity of crown-lactone I and its effect on aconitine-modified sodium channels] Luk'ianenko NG, et al. **Biofizika** 1985 May–Jun;30(3):427–30 (Eng. Abstr.) **(Rus)**

[Inotropic effect of strophanthin in combination with calcium on the heart muscle] Chekman IS, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):320–3 (Eng. Abstr.) **(Rus)**

[Mechanical tension in different parts of the left ventricle of the heart exposed to inotropic factors] Chernysh AM, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):131–2 (Eng. Abstr.) **(Rus)**

[Effect of calmodulin inhibitors on the contraction and relaxation of the heart muscle] Kapel'ko VI, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):34–6 (Eng. Abstr.) **(Rus)**

[Pharmacological correction of the disorders of cardiac contractile function in stress] Malyshev VV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):206–8 (Eng. Abstr.) **(Rus)**

[Adrenaline-induced autorhythmic activity in the isolated atrial myocardium of mitral stenosis patients and its suppression by etmozin and ethacizin (the diethylamino analog of etmozin)] Shkliar TF, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):462–6 (Eng. Abstr.) **(Rus)**

[Effect of lysosomal enzymes on myocardial electrical and contractile activity in burn shock] Vornovitskiĭ EG, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):750–3 (Eng. Abstr.) **(Rus)**

[influence of Ca channel blockers on the positive inotropic effect of ionophore A23187 in the myocardium] Zablotskaite DP, et al. **Biull Eksp Biol Med** 1985 May; 99(5):571–3 (Eng. Abstr.) **(Rus)**

[Mechanisms of the inotropic action of nonachlazine] Kaverina NV, et al. **Farmakol Toksikol** 1985 Jan–Feb; 48(1):23–7 (Eng. Abstr.) **(Rus)**

[Reaction of coronary circulation in healthy humans to stimulation of the heart with isoproterenol and physical load] Chestukhin VV, et al. **Fiziol Cheloveka** 1985 Mar–Apr;11(2):179–84 **(Rus)**

[Cardiomyocytes in monolayer culture and the effect on them of catecholamines and hypoxia] Gurevich MI, et al. **Fiziol Zh** 1985 May–Jun;31(3):267–72 (Eng. Abstr.) **(Rus)**

[Energy support and the contractile capacity of glycerinized myocardial fibers in experimental informational neurosis] Karsanov NV, et al. **Fiziol Zh SSSR** 1985 Jan;71(1):113–9 (Eng. Abstr.) **(Rus)**

[Effect of isosorbide dinitrate (isoket) on central hemodynamics and myocardial contraction in patients with ischemic heart disease] Abugov AM, et al. **Kardiologiia** 1984 Nov;24(11):96–100 (Eng. Abstr.) **(Rus)**

[Limitation of disorders of the contractile function of the nonischemic areas of the myocardium during infarct by using the delta-sleep peptide and its cyclic derivative] Meerson FZ, et al. **Kardiologiia** 1985 May;25(5):84–8 (Eng. Abstr.) **(Rus)**

[Elimination of disorders of the elasticity and contractile function of nonischemic portions of the heart in myocardial infarct by using glucose and uridine] Meerson FZ, et al. **Kardiologiia** 1985 Apr;25(4):91–4 (Eng. Abstr.) **(Rus)**

[Inotropic effect of parathormone] Merzon KA, et al. **Kardiologiia** 1985 May;25(5):108–10 **(Rus)**

[Effect of non-ionic roentgenocontrast preparation Omnipaque-350 on central hemodynamics and myocardial contraction] Savchenko AP, et al. **Kardiologiia** 1984 Jul; 24(7):91–4 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of the long-term treatment of hypertension patients. I. Changes in hemodynamics and myocardial function] Erina EV, et al. **Ter Arkh** 1984; 56(9):24–30 (Eng. Abstr.) **(Rus)**

[Characteristics of the action of strophanthin on central hemodynamics, pulmonary and intrahepatic blood circulation and myocardial contraction] Zavolovskaia LI. **Ter Arkh** 1985;57(3):115–7 (Eng. Abstr.) **(Rus)**

[The effect of phenothiazines on reperfusion of the ischemic myocardium] Gabauer I, et al. **Rozhl Chir** 1985 May; 64(5):359–67 (Eng. Abstr.) **(Slo)**

[Calcium antagonists: pharmacological cardiovascular effects of nifedipine] Camilión de Hurtado MC, et al. **Medicina (B Aires)** 1984;44(2):137–44 (Eng. Abstr.) **(Spa)**

[Diastolic properties of the left ventricle in hypertensive cardiopathy. Acute effect of nifedipine, verapamil and diltiazem] Alonso Gómez AM, et al. **Rev Esp Cardiol** 1984 May–Jun;37(3):169–74 (Eng. Abstr.) **(Spa)**

MYOCARDIAL DEPRESSANT FACTOR see under **PEPTIDES**

MYOCARDIAL DEPRESSANTS see **ANTI-ARRHYTHMIA AGENTS**

MYOCARDIAL DISEASES

Nondilated cardiomyopathies. Johnson RA, et al. **Adv Intern Med** 1984;30:243–74 (111 ref.)

Peripartum cardiomyopathy. Julian DG, et al. **Prog Cardiovasc Dis** 1985 Jan–Feb;27(4):223–40 (128 ref.)

Diagnosis and treatment of myocardial disease in infants and children. Greenwood RD. **West J Med** 1984 Nov; 141(5):698

[Peripartum cardiomyopathy] He XW. **Chung Hua Nei Ko Tsa Chih** 1984 Jul;23(7):448–9 **(Chi)**

[Round table on intrathoracic echinococcosis] **Ann Chir** 1983 Mar;37(2):73–121 **(Fre)**

[Myocardial abscess in septicopyemia] Ostrovskiĭ VK, et al. **Kardiologiia** 1984 Dec;24(12):87 **(Rus)**

[Sarcoidosis of the heart] Djurić B, et al. **Plucne Bolesti** 1984 Jan–Jun;36(1–2):55–8 (Eng. Abstr.) **(Scr)**

BLOOD

Plasma carnitine concentrations in cardiomyopathy patients. Tripp ME, et al. **Biochem Med** 1984 Oct;32(2):199–206

CHEMICALLY INDUCED

Angiographic and pathologic evidence of hemorrhage into the myocardium after coronary reperfusion. Yasuno M, et al. **Angiology** 1984 Dec;35(12):797–801

Animal models of drug-induced cardiomyopathy. Czarnecki CM. **Comp Biochem Physiol [C]** 1984;79(1):9–14 (86 ref.)

Alterations in isoproterenol-induced cardiac metabolic changes by perhexiline. Seth SD, et al. **Indian J Med Res** 1985 Feb;81:224–9

Cardiac energetics in daunorubicin-induced cardiomyopathy. Gibbs CL, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):953–62

Experimental catecholamine-induced myocardial necrosis. I. Morphology, quantification and regional distribution of acute contraction band lesions. Todd GL, et al. **J Mol Cell Cardiol** 1985 Apr;17(4):317–38 (57 ref.)

Experimental catecholamine-induced myocardial necrosis. II. Temporal development of isoproterenol-induced contraction band lesions correlated with ECG, hemodynamic and biochemical changes. Todd GL, et al. **J Mol Cell Cardiol** 1985 Jul;17(7):647–56

Cardiotoxicity of antitumor agents. Kantrowitz NE, et al. **Prog Cardiovasc Dis** 1984 Nov–Dec;27(3):195–200 (45 ref.)

Chemical exposures at work and cardiovascular morbidity. Atherosclerosis, ischemic heart disease, hypertension, cardiomyopathy and arrhythmias. Kurppa K, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):381–8 (98 ref.)

Comparison of the severity of the chronic cardiotoxicity produced by doxorubicin in normotensive and hypertensive rats. Herman EH, et al. **Toxicol Appl Pharmacol** 1985 Apr; 78(2):202–14

Acute insulin treatment normalizes the resistance to the cardiotoxic effect of isoproterenol in streptozotocin diabetic rats. A morphometric study of isoproterenol induced myocardial fibrosis. Gøtzsche O. **Virchows Arch [A]** 1985;405(2):193–201

[Cardiotoxicity of doxorubicin in children (letter)] Brockmeier FK. **Ned Tijdschr Geneeskd** 1984 Oct 27; 128(43):2063 **(Dut)**

[Possible prevention of adriamycin-induced cardiomyopathy by verapamil. Results of a pilot study] Müllerleile U, et al. **Klin Wochenschr** 1984 Nov 2;62(21):1032–7 (Eng. Abstr.) **(Ger)**

[Monitoring of cardiac function in anthracycline therapy in childhood] Jensen E, et al. **Padiatr Grenzgeb** 1984; 23(6):455–65 (Eng. Abstr.) **(Ger)**

[Cardiotoxicity of freons. Bibliographic survey and proposals for prevention] Taccola A, et al. **Med Lav** 1984 May–Jun; 75(3):167–79 (70 ref.) (Eng. Abstr.) **(Ita)**

[Comparative studies on cardiomyopathy induced in rabbits by various anthracyclines and anthraquinone] Domae N, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Oct 20; 19(9):2146–56 (Eng. Abstr.) **(Jpn)**

[Modeling of myocardial lesions of varying degrees of manifestation] Reznikov KM, et al. **Biull Eksp Biol Med** 1985 May;99(5):532–4 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Myocardial disease] Chen HZ. **Chung Hua Nei Ko Tsa Chih** 1984 Jun;23(6):380–3 **(Chi)**

[Cardiomyopathies: classification and diagnosis] Mukharliamov NM. **Kardiologiia** 1984 Aug;24(8):5–11 **(Rus)**

[Cardiomyopathies] **Ter Arkh** 1985;57(4):8–22 **(Rus)**

[Rare heart diseases and their place among the cardiomyopathies] Serov VV. **Ter Arkh** 1985;57(4):3–7 (56 ref.) **(Rus)**

COMPLICATIONS

16-year follow-up of arrhythmogenic right ventricular dysplasia. Higuchi S, et al. **Am Heart J** 1984 Nov; 108(5):1363–5

The heart in polyarteritis nodosa: a clinicopathologic study. Schrader ML, et al. **Am Heart J** 1985 Jun;109(6):1353–9

Unusual echocardiographic pattern in Gaucher's disease. Platzker Y, et al. **Cardiology** 1985;72(3):144–6

Ventricular fibrillation in myocardial sarcoidosis. Tornling G, et al. **Eur J Respir Dis** 1985 May;66(5):347–9

Ventricular septal defect associated with aneurysm of the membranous septum. Beerman LB, et al. **J Am Coll Cardiol** 1985 Jan;5(1):118–23

Cardiomyopathies and their role in sudden death. Brandenburg RO. **J Am Coll Cardiol** 1985 Jun;5(6 Suppl):185B–189B (15 ref.)

Non-invasive assessment of early cardiac involvement in systemic sclerosis. Butrous GS, et al. **Postgrad Med J** 1985 Aug;61(718):679–84

Endomyocardial complications of the Churg-Strauss syndrome. Lanham JG, et al. **Postgrad Med J** 1985 Apr; 61(714):341–4

Morphometric studies on retinal microangiopathy and myocardiopathy in hypertensive rats (SHR) with induced diabetes. Flückiger W, et al. **Virchows Arch [Cell Pathol]** 1984;47(1):79–94

[Calcification in the heart. I. Spontaneous coronary embolism due to calcified material] Steiner I. **Cesk Patol** 1985 May; 21(2):87–95 (Eng. Abstr.) **(Cze)**

[Cardiac hemangioma and nonobstructive cardiomyopathy disclosed by myocardial infarction of adiastolic type (letter)] Saissy JM, et al. **Presse Med** 1985 Jun 22; 14(25):1388 **(Fre)**

[Arrhythmogenic right ventricular dysplasia. Apropos of 3 cases] Purcaro A, et al. **G Ital Cardiol** 1984 Dec; 14(12):1087–96 **(Ita)**

[Surgical findings of arrhythmogenic right ventricular dysplasia--a report of three cases] Kamata E, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jan;33(1):132–7 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of diabetic lesions of the myocardium] Iverieli VP, et al. **Kardiologiia** 1984 Aug;24(8):30–4 (Eng. Abstr.) **(Rus)**

[Heart rhythm disorders in myocardial lesions and coronary insufficiency] Ageev FT. **Ter Arkh** 1984;56(8):147–50 (73 ref.) **(Rus)**

[Femoro-popliteal hydatid embolism and subsequent multiple embolization in a patient with recurring myocardial hydatidosis] Muñoz Fernández J, et al. **Rev Esp Cardiol** 1984 Sep–Oct;37(5):371–4 (Eng. Abstr.) **(Spa)**

CONGENITAL

Histiocytoid cardiomyopathy of infancy: deficiency of reducible cytochrome b in heart mitochondria. Papadimitriou A, et al. **Pediatr Res** 1984 Oct;18(10):1023–8

[Neonatal diabetic cardiomyopathy] Katona M, et al. **Orv Hetil** 1985 May 5;126(18):1087–91 (Eng. Abstr.) **(Hun)**

[Congenital cardiac diverticula. Study of 3 cases] Santos J, et al. **Rev Esp Cardiol** 1984 May–Jun;37(3):223–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Mechanocardiography in evaluation of left ventricular function. Relevance of combined study of apex cardiogram and systolic time intervals in diagnosis of cardiomyopathies. Brandt CM, et al. **Adv Cardiol** 1985;32:142–51

Multiple coronary artery–right ventricle fistulas. Schamroth CL, et al. **Am Heart J** 1985 Jun;109(6):1388–90

Comparison of two–dimensional echocardiographic and angiographic findings in arrhythmogenic right ventricular dysplasia. Robertson JH, et al. **Am J Cardiol** 1985 Jun 1; 55(13 Pt 1):1506–8

Surface antigens of adult heart cells and their use in diagnosis. Maisch B. **Basic Res Cardiol** 1985;80 Suppl 1:47–51

Changing echocardiographic features of a hydatid cyst of the heart. Kostucki W, et al. **Br Heart J** 1985 Aug; 54(2):224–5

Non–invasive estimation by cross sectional echocardiography of myocardial damage in cardiomyopathy. Tanaka M, et al. **Br Heart J** 1985 Feb;53(2):137–52

Ruptured papillary muscle, a complication of myocardial infarction: clinical presentation, diagnosis, and treatment. Clements SD Jr, et al. **Clin Cardiol** 1985 Feb;8(2):93–103

Echocardiographic manifestations of cardiac amyloidosis. Prakash S, et al. **Indian Heart J** 1985 Jan–Feb;37(1):66–8

Quantifying cell death in the myocardium: myosin specific antibody in the evaluation of membrane defects. Haber E. **J Mol Cell Cardiol** 1985 Jul;17 Suppl 2:53–8

Septal myocardial abscess and infectious pericarditis in a case of bacterial endocarditis. Arita M, et al. **Jpn Circ J** 1985 Apr;49(4):451–5

Echocardiography in sarcoidosis. Gregor P, et al. **Jpn Heart J** 1984 Jul;25(4):499–508

The role of electron microscopy in cardiological diagnosis from our own studies. Rosnowski A, et al. **Mater Med Pol** 1984 Jan–Mar;16(1):19–25

Stokes–Adams attacks masquerading as epilepsy: case reports. Fowler HL. **Milit Med** 1984 Dec;149(12):680–1

M–mode echocardiographic findings in children with idiopathic restrictive cardiomyopathy. Mehta AV, et al. **Pediatr Cardiol** 1984;5(4):273–9

Progressive cardiomyopathic lentiginosis: report of six cases and one autopsy. Ruiz–Maldonado R, et al. **Pediatr Dermatol** 1983 Oct;1(2):146–53

Analysis and interpretation of thickening and thinning phases of left ventricular wall dynamics. Goldberg SJ. **Ultrasound Med Biol** 1984 Nov–Dec;10(6):797–802

[Echinococcosis of the heart and pericardium] Cherveniakov P, et al. **Khirurgiia (Sofiia)** 1984;37(6):458–63 (Eng. Abstr.) **(Bul)**

[Longitudinal 3–year follow–up of the status of patients with chronic non–coronarogenic myocardial disease among the adult population of the Razgrad District] Dosev S, et al. **Vutr Boles** 1984;23(4):47–53 (Eng. Abstr.) **(Bul)**

[Immunogenic cardiac amyloidosis. Value of ultrasonography and endomyocardial biopsy] Depelchin P, et al. **Ann Cardiol Angeiol (Paris)** 1985 Apr 15;34(4):231–5 (Eng. Abstr.) **(Fre)**

[Primary non–obstructive myocardiopathy in a 38–month–old child, with transient inverted QS waves, recorded on precordial lead (V3–V4–V5) tracings: the electric expression of a sub–endocardial disorder?] Zimmermann C, et al. **Ann Pediatr (Paris)** 1985 Jun; 32(6):531–6 (Eng. Abstr.) **(Fre)**

[M–mode and two–dimensional echocardiography of 7 cases of cardiac amyloidosis] Roudaut R, et al. **Arch Mal Coeur** 1984 Dec;77(13):1525–31 (Eng. Abstr.) **(Fre)**

[Hydatid cyst of the heart in children. Apropos of 6 cases] Bousnina A, et al. **Tunis Med** 1983 Jan–Feb;61(1):15–7 (Eng. Abstr.) **(Fre)**

[Generalized chronic sarcoidosis with clinically silent myocardial involvement] Kirsten D, et al. **Prax Klin Pneumol** 1984 Sep;38(9):417–9 (Eng. Abstr.) **(Ger)**

[Cardiogoniometry as a method for the diagnosis of coronary disease. Comparison with myocardial scintigraphy] Sanz E, et al. **Schweiz Rundsch Med Prax** 1984 Sep 25; 73(39):1169–73 (Eng. Abstr.) **(Ger)**

[Echocardiographic follow–up in latent cardiomyopathy] Curtius JM, et al. **Z Kardiol** 1984 Nov;73(11):695–700 (Eng. Abstr.) **(Ger)**

[Diagnostic criteria of cardiac manifestations of sarcoidosis (letter)] **Orv Hetil** 1985 Jun 9;126(23):1445 **(Hun)**

[Left atrial echocardiographic dimensions in mitral valve disease with chronic atrial fibrillation: comparison with mitral valve disease in sinus rhythm and sclerotic cardiopathy with chronic atrial fibrillation] Sannito N, et al. **Boll Soc Ital Cardiol** 1984 Mar–Apr;29(3–4):231–6 (Eng. Abstr.) **(Ita)**

[Computerized analysis of M–mode echocardiography in the initial stages of hemochromatotic infiltrative cardiopathy] Modena MG, et al. **Minerva Cardioangiol** 1984 Dec; 32(12):873–8 (Eng. Abstr.) **(Ita)**

[Two cases of idiopathic restrictive cardiomyopathy] Nishikawa Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Jul; 73(7):1016–21 **(Jpn)**

[A case of fatal myocardial sarcoidosis] Ogawa H, et al. **Nippon Naika Gakkai Zasshi** 1984 Nov;73(11):1656–64 **(Jpn)**

[Cardiac involvement in a patient with systemic scleroderma] Shcherbatkin DD, et al. **Kardiologiia** 1984 Aug;24(8):108–9 **(Rus)**

[Primary amyloidosis mainly affecting the heart] Paleĭ LF, et al. **Klin Med (Mosk)** 1985 Feb;63(2):126–8 **(Rus)**

[Cardiomyopathies, nonspecific myocarditis and alcoholic heart lesions (data from the clinical study of 100 patients)] Sumarokov AV, et al. **Ter Arkh** 1984;56(9):75–81 (Eng. Abstr.) **(Rus)**

[A case of tuberculous lesion of the myocardium] Audulev VK. **Vrach Delo** 1985 Apr;(4):61–3 **(Rus)**

[Value of precardial electrocardiotopography in the diagnosis of focal dystrophy and microfocal myocardial infarct] Gvatua NA, et al. **Vrach Delo** 1984 Dec;(12):50–3 (Eng. Abstr.) **(Rus)**

[Clinico–electrocardiographic criteria in the diagnosis of myocardial lesions] Skorobogatyĭ AM. **Vrach Delo** 1984 Aug;(8):19–21 (Eng. Abstr.) **(Rus)**

[Today's diagnostic possibilities in cardiomyopathies] Gvozdják J, et al. **Vnitr Lek** 1985 Jan;31(1):1–6 (Eng. Abstr.) **(Slo)**

[Cardiac hydatid cyst. Bidimensional echocardiographic study] Muñoz–Gil J, et al. **Rev Esp Cardiol** 1984 Sep–Oct; 37(5):375–7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Hemodynamic effects of nifedipine given alone and in combination with atenolol in patients with impaired left ventricular function. de Buitleir M, et al. **Am J Cardiol** 1985 May 17;55(12):15E–20E

Efficacy of carvedilol (BM 14,190), a new beta–blocking drug with vasodilating properties, in exercise–induced ischemia. Kaski JC, et al. **Am J Cardiol** 1985 Jul 1;56(1):35–40

Amiodarone–induced sinoatrial block. Strasberg B, et al. **Int J Cardiol** 1985 Jun;8(2):214–6

Biochemical rationale and myocardial tissue data on the effective therapy of cardiomyopathy with coenzyme Q10. Folkers K, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):901–4

Response of patients in classes III and IV of cardiomyopathy to therapy in a blind and crossover trial with coenzyme Q10. Langsjoen PH, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4240–4

Streptococcus milleri endocarditis complicated by myocardial abscess. Levandowski RA. **South Med J** 1985 Jul;78(7):892–3

[9 cases of myxedema heart] Chen YY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep; 12(3):201–3 **(Chi)**

[Prolonged benefit of dobutamine treatment in decompensated myocardiopathies] Richard M, et al. **Ann Cardiol Angeiol (Paris)** 1985 Feb;34(2):101–3 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

The role of alkaline protease in the development of cardiac lesions in myopathic hamsters: effect of verapamil treatment. Kuo TH, et al. **Biochem Med** 1984 Oct; 32(2):207–15

Secondary myocardial injuries. McGrath RB, et al. **Crit Care Med** 1984 Dec;12(12):1024–6

Multiple cardiac contractile protein abnormalities in myopathic Syrian hamsters (BIO 53 : 58). Malhotra A, et al. **J Mol Cell Cardiol** 1985 Feb;17(2):95–107

ETIOLOGY

Frequent myocardial lesions in Shwachman's syndrome. Eight fatal cases among 16 Finnish patients. Savilahti E, et al. **Acta Paediatr Scand** 1984 Sep;73(5):642–51

The role of selenium in Keshan disease. Yang GQ, et al. **Adv Nutr Res** 1984;6:203–31

Cardiac aspergillosis in acquired immune deficiency syndrome. Henochowicz S, et al. **Am J Cardiol** 1985 Apr 15;55(9):1239–40

Microvascular spasm as a cause of cardiomyopathies and the calcium–blocking agent verapamil as potential primary therapy. Sonnenblick EH, et al. **Am J Cardiol** 1985 Jan 25;55(3):179B–184B (30 ref.)

Widely disseminated Cunninghamella mucormycosis in an adult renal transplant patient: case report and review of the literature. Kolbeck PC, et al. **Am J Clin Pathol** 1985 Jun;83(6):747–53

Anaerobic myocardial abscess following myocardial infarction. Finley RW, et al. **Am J Med** 1985 Mar; 78(3):513–4

Development of a cardiomyopathy in a model of noninsulin–dependent diabetes. Schaffer SW, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):H179–85

Decreased coronary reserve in primary scleroderma myocardial disease. Kahan A, et al. **Arthritis Rheum** 1985 Jun;28(6):637–46

Iron overload associated with congenital pyruvate kinase deficiency and high dose ascorbic acid ingestion [letter] Bett JH, et al. **Aust NZ J Med** 1985 Apr;15(2):270

Cardiac cell damage: a primary myocardial disease in streptozotocin–induced chronic diabetes. Seager MJ, et al. **Br J Exp Pathol** 1984 Oct;65(5):613–23

Calcium and myocardial cell injury. An appraisal in the cardiomyopathic hamster. Jasmin G, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):891–8

Sarcolemmal phosphatidylethanolamine N–methylation in diabetic cardiomyopathy. Ganguly PK, et al. **Circ Res** 1984 Oct;55(4):504–12

Selenium deficiency and fatal cardiomyopathy in a patient receiving long–term home parenteral nutrition. Quercia RA, et al. **Clin Pharm** 1984 Sep–Oct;3(5):531–5

Morphologic effects of defibrillation: a preliminary report. Karch SB, et al. **Crit Care Med** 1984 Oct;12(10):920–1

Myocardial depression in septic shock caused by meningococcal infection. Monsalve F, et al. **Crit Care Med** 1984 Dec;12(12):1021–3

Long–term effects of partially hydrogenated herring oil on the rat myocardium. Schiefer HB, et al. **Drug Nutr Interact** 1982;1(2):89–102

Endocardial fibroelastosis and myocardial calcification secondary to an anomalous right coronary artery arising from the pulmonary trunk. Huang TY, et al. **Hum Pathol** 1985 Sep;16(9):959–60

Thalassemic cardiopathy: current concepts. Mohan JC, et al. **Indian J Pediatr** 1984 Jul–Aug;51(411):383–6 (14 ref.)

Peripartum cardiomyopathy: report of a case. Dalton LS. **J Am Osteopath Assoc** 1984 Dec;84(4):351–3

Penetration of the left ventricular myocardium by benign peptic ulceration: two cases and a review of the published work. Porteous C, et al. **J Clin Pathol** 1984 Nov; 37(11):1239–44

Myocardial injury following endogenous catecholamine release in rabbits. Downing SE, et al. **J Mol Cell Cardiol** 1985 Apr;17(4):377–87

Influence of the diabetic state on isoproterenol–induced cardiac necrosis. el–Hage AN, et al. **J Mol Cell Cardiol** 1985 Apr;17(4):361–9

Essential contribution of thrombocytes to the occurrence of catecholamine–induced cardiac necroses. Kammermeier H, et al. **J Mol Cell Cardiol** 1985 Apr;17(4):371–6

Membrane damage and the pathogenesis of cardiomyopathies. Katz AM, et al. **J Mol Cell Cardiol** 1985 Jul;17 Suppl 2:11–20 (72 ref.)

Catecholamine cardiotoxicity. Rona G. **J Mol Cell Cardiol** 1985 Apr;17(4):291–306 (135 ref.)

Cardiac involvement in diseases characterized by beta–galactosidase deficiency. Rosenberg H, et al. **J Pediatr** 1985 Jan;106(1):78–80

Catheter–induced lesions of the right side of the heart. A one–year prospective study of 141 autopsies. Ducatman BS, et al. **JAMA** 1985 Feb 8;253(6):791–5

Smoking and cardiomyopathy [letter] **N Engl J Med** 1985 Feb 14;312(7):442

The association of smoking with cardiomyopathy. Hartz AJ, et al. **N Engl J Med** 1984 Nov 8;311(19):1201–6

Myocardial dysfunction in group B streptococcal shock. Peevy KJ, et al. **Pediatr Res** 1985 Jun;19(6):511–3

The cardiomyopathy of obesity. Alexander JK. **Prog Cardiovasc Dis** 1985 Mar–Apr;27(5):325–34

Diabetic cardiomyopathy. Fein FS, et al. **Prog Cardiovasc Dis** 1985 Jan–Feb;27(4):255–70 (80 ref.)

Diabetic cardiomyopathy: the available evidence. Northcote RJ, et al. **Scott Med J** 1985 Apr;30(2):83–8

[Secondary myocardial disease] Chen ZJ. **Chung Hua Nei Ko Tsa Chih** 1984 Jun;23(6):384–6 **(Chi)**

[Keshan disease—endemic myocardial disease] Yang DY. **Chung Hua Nei Ko Tsa Chih** 1984 Jul;23(7):445–7 **(Chi)**

[Calcification in the heart. III. Calcification of the myocardium in chronic uremia] Steiner I. **Cesk Patol** 1985 May;21(2):102–7 (Eng. Abstr.) **(Cze)**

[Cardiomyopathy in children of diabetic mothers. Fetal hyperinsulinism and cardiomyopathy] Morville P, et al. **Ann Pediatr (Paris)** 1985 Apr;32(4):363–8 (Eng. Abstr.) **(Fre)**

[Light chain disease with terminal myocardiopathy] Laurent M, et al. **Arch Mal Coeur** 1985 Jun;78(6):943–6 (Eng. Abstr.) **(Fre)**

[Acute myocardial dysfunction in meningococcal septicemia] Horisberger JD, et al. **Schweiz Med Wochenschr** 1985 Feb 23;115(8):281–4 (Eng. Abstr.) **(Fre)**

[Cardiovascular involvement in scleroderma] Baklouti N, et al. **Tunis Med** 1984 Dec;62(8):565–70 (Eng. Abstr.) **(Fre)**

[A case of mitral stenosis presenting left sided heart failure—consideration on the genesis of left ventricular dysfunction in mitral stenosis] Matsuyama K, et al. **Kokyu To Junkan** 1985 May;33(5):699–703 (Eng. Abstr.) **(Jpn)**

[Myocardiopathy of Duchenne progressive muscular dystrophy] Vianna C de B, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Sep–Oct; 39(5):230–8 **(Por)**

[Rheumatic polymyalgia with coronary–myocardial involvement (a clinical case)] Florenţiu R, et al. **Rev Med Interna [Med Interna]** 1985 Mar–Apr;37(2):187–92 **(Rum)**

[Secondary amyloidosis with predominant involvement of the heart in a psoriasis patient] Alekseeva LA, et al. **Kardiologiia** 1984 Aug;24(8):110–2 **(Rus)**

[Cardiomyopathy: various aspects of its etiology and pathogenesis] Kipshidze NN. **Ter Arkh** 1985;57(4):23–5 **(Rus)**

[Smoker's cardiomyopathy] Gvozdják J, et al. **Vnitr Lek** 1984 Jul;30(7):649–54 (Eng. Abstr.) **(Slo)**

FAMILIAL & GENETIC

The amyloid in familial amyloid cardiomyopathy of Danish origin is related to pre–albumin. Husby G, et al. **Clin Exp Immunol** 1985 Apr;60(1):207–16

Successful carnitine treatment in two siblings having lipid storage myopathy with hypertrophic cardiomyopathy.

Matsuishi T, et al. **Neuropediatrics** 1985 Feb;16(1):6–12

IMMUNOLOGY

Quantitation of lymphocyte subsets by immunofluorescence flow cytometry in idiopathic dilated cardiomyopathy. Anderson JL, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1550–4

Peripartum cardiomyopathy. Knobel B, et al. **Isr J Med Sci** 1984 Nov;20(11):1061–3

Immunological analysis of auto-antibodies against the adenine nucleotide translocator in dilated cardiomyopathy. Schultheiss HP, et al. **J Mol Cell Cardiol** 1985 Jun; 17(6):603–17

[Effect of preliminary local myocardial hypoxia on the development of immune heart damage] Moĭbenko AA, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):277–80 (Eng. Abstr.) **(Rus)**

METABOLISM

The respiration and calcium content of heart mitochondria from rats with vitamin D-induced cardionecrosis. Zydowo MM, et al. **Biochem J** 1985 Feb 15;226(1):155–61

Patterns of myoglobin release after reperfusion of injured myocardium. Ellis AK, et al. **Circulation** 1985 Sep; 72(3):639–47

Calcium and catecholamines: relevance to cardiomyopathies and significance in therapeutic strategies. Opie LH, et al. **J Mol Cell Cardiol** 1985 Jul;17 Suppl 2:21–34 (60 ref.)

Adaptive changes in subcellular calcium transport during catecholamine-induced cardiomyopathy. Panagia V, et al. **J Mol Cell Cardiol** 1985 Apr;17(4):411–20

Attenuation by atenolol of myocardial acidosis during ischemia in dogs: contribution of beta-1 adrenoceptors to myocardial acidosis. Sakai K, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):810–6

Effects of verapamil and taurine administration on heart taurine and calcium in BIO 14.6 cardiomyopathic hamsters. Welty JD, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jul;49(1):141–4

[Effect of Arzni carbon dioxide baths on the myocardial GABA system in focal metabolic lesions (an experimental study)] Movsesian TG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jul–Aug;(4):15–9 (Eng. Abstr.) **(Rus)**

[Mechanism of disruption in the metabolism of the cyclic AMP system in myocardial tissue in allergic deterioration] Miroshnichenko VP, et al. **Vopr Med Khim** 1984 Sep–Oct; 30(5):59–62 (Eng. Abstr.) **(Rus)**

[Disruption of the regulation of glycogen phosphorylation by biogenic amines] Rozenfel'd EL, et al. **Vopr Med Khim** 1984 Sep–Oct;30(5):102–4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Effects of lorcainide and amiodarone on stress-induced myocardial damage in the rat. Milei J, et al. **Acta Cardiol (Brux)** 1984;39(5):341–51

Myocardial sarcoidosis with a tumor-like left atrial thrombus. Tanaka T, et al. **Acta Pathol Jpn** 1984 Sep;34(5):1179–92

Effect of phenoxybenzamine on myocardial cell necroses and blood levels of catecholamines in pigs subjected to stress. Häggendal J, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Sep;55(3):161–7

Focal cardiomyopathy and ectopic atrial tachycardia in Beckwith syndrome. Kuehl KS, et al. **Am J Cardiol** 1985 Apr 15;55(9):1234–5

Cardiomyopathic hamsters, CHF 146 and CHF 147: a preliminary study. Hunter EG, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1423–8

Muscle fiber disarray in patients without hypertrophic cardiomyopathy. Milei J, et al. **Cardiology** 1985; 72(3):105–12

Polymyositic heart disease. Rechavia E, et al. **Chest** 1985 Aug;88(2):309–11

Endomyocardial biopsy: the balance of success and failure. Mason JW. **Circulation** 1985 Feb;71(2):185–8

Clinical experience with two-dimensional echocardiography to guide endomyocardial biopsy. Williams GA, et al. **Clin Cardiol** 1985 Mar;8(3):137–40

Diagnosis of cardiac amyloidosis made by ultrastructural examination of endomyocardial biopsy. A case report. Arbustini E, et al. **G Ital Cardiol** 1984 Jul;14(7):512–6

Cardiac fungal infections: review of autopsy findings in 60 patients. Atkinson JB, et al. **Hum Pathol** 1984 Oct; 15(10):935–42

Glycogen storage disease confined to the heart with deficient activity of cardiac phosphorylase kinase: a new type of glycogen storage disease. Eishi Y, et al. **Hum Pathol** 1985 Feb;16(2):193–7

Keshan disease: an endemic cardiomyopathy in China. Li GS, et al. **Hum Pathol** 1985 Jun;16(6):602–9

Cardiac sarcoidosis. Gaetano LA, et al. **J Med Soc NJ** 1985 Feb;82(2):137–40

Ultrastructural features of the endomyocardium in patients with eosinophilic heart disease. An endomyocardial biopsy study. Sekiguchi M, et al. **Jpn Circ J** 1984 Dec; 48(12):1375–82

The role of electron microscopy in cardiological diagnosis from our own studies. Rosnowski A, et al. **Mater Med Pol** 1984 Jan–Mar;16(1):19–25

Cardiac sarcoidosis: a potentially treatable form of myocarditis. Lemery R, et al. **Mayo Clin Proc** 1985 Aug; 60(8):549–54

Myopathic skeletal muscle fiber abnormalities in cardiomyopathies of childhood. Landing BH, et al. **Pediatr Pathol** 1983 Apr–Jun;1(2):137–43

Role of cardiac biopsy in the diagnosis and management of cardiac disease. Fowles RE, et al. **Prog Cardiovasc Dis** 1984 Nov–Dec;27(3):153–72 (68 ref.)

Idiopathic dilatation of the right atrium. A case report. Békássy SM, et al. **Scand J Thorac Cardiovasc Surg** 1984; 18(3):191–2

Cardiac failure without cardiomegaly [clinical conference] **Scott Med J** 1984 Jan;29(1):34–41

Cardiomyopathy associated with Leigh's disease. Langes K, et al. **Virchows Arch [A]** 1985;407(1):97–105

[Clinical application of endomyocardial biopsy—report of 36 cases] Sun JC. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Jun; 12(2):99–100 **(Chi)**

[A fatal disease of the heart in primary and secondary hemochromatosis] Fakan F, et al. **Cesk Patol** 1985 May; 21(2):123–7 (Eng. Abstr.) **(Cze)**

[Calcification in the heart. II. Massive calcification of the myocardium] Steiner I. **Cesk Patol** 1985 May;21(2):96–101 (Eng. Abstr.) **(Cze)**

[Myocardial biopsy] Nieminen M. **Duodecim** 1985; 101(2):151–4 **(Fin)**

[Anatomopathological data on a case of myocardiopathy with defective fatty acid oxidation] Roth A, et al. **Arch Anat Cytol Pathol** 1985;33(1):50–4 (Eng. Abstr.) **(Fre)**

[Right intraventricular biopsy. Indications and results. 116 cases] Ferriere M, et al. **Presse Med** 1985 Apr 6; 14(14):773–6 (Eng. Abstr.) **(Fre)**

[Cardiac amyloidoses of the aged. Severity, stenosis of the coronary artery lumen and clinical relevance] Saeger W, et al. **Fortschr Med** 1985 Apr 11;103(14):367–9 (Eng. Abstr.) **(Ger)**

[Bioptic evaluation of myocardial sarcoidosis—a case report] Schaedel H, et al. **Prax Klin Pneumol** 1985 Apr; 39(4):139–41 (Eng. Abstr.) **(Ger)**

[Biopsy confirmation of clinically suspected heart sarcoidosis] Kirsten D, et al. **Z Erkr Atmungsorgane** 1985;164(3):305–8 (Eng. Abstr.) **(Ger)**

[Hypertrophic obstructive cardiomyopathy with extensive myocardial fibrosis: case report with autopsy] Hirama M, et al. **Hokkaido Igaku Zasshi** 1985 Mar;60(2):195–205 (Eng. Abstr.) **(Jpn)**

[A study on prolapse of the mitral valve in autopsy-proved papillary muscle dysfunction] Ohkawa S, et al. **J Cardiogr** 1984 Aug;14(2):335–44 (Eng. Abstr.) **(Jpn)**

[A histo-pathological study on the myocardial lesions in KK mice, with special reference to the causative factors and prevention of deterioration of the disease condition] Tomita Y. **Nippon Ika Daigaku Zasshi** 1984 Oct;51(5):601–14 (Eng. Abstr.) **(Jpn)**

[Adrenaline-induced damage to the myocardium in rats with genetically determined arterial hypertension] Markel' AL, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):356–8 (Eng. Abstr.) **(Rus)**

[Ultrastructure of calcium-induced myocardial necrosis] Sharov VG, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):63–77 (Eng. Abstr.) **(Rus)**

[Use of HBFP staining for the diagnosis of the degree of contractile structure damage in cardiomyocytes] Sergienko OV. **Vrach Delo** 1985 Feb;(2):41–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Coronary vasoconstriction and catecholamine cardiomyopathy. Simons M, et al. **Am Heart J** 1985 Feb; 109(2):297–304

Analysis of the efficacy of the new cardiotonic agent TA-064. Thormann J, et al. **Am Heart J** 1985 Aug; 110(2):426–38

The role of mechanical support and transplantation in treatment of patients with end-stage cardiomyopathy. Copeland JG, et al. **Circulation** 1985 Sep;72(3 Pt 2):II7–12 (20 ref.)

Intrahisian block in cardiomyopathy. Rakovec P, et al. **Cor Vasa** 1984;26(6):438–44

Calcium channel blocking agents: physiologic basis of nursing intervention. Touloukian JE. **Heart Lung** 1985 Jul; 14(4):342–50 (14 ref.)

The oxygen free radical system: potential mediator of myocardial injury. Hammond B, et al. **J Am Coll Cardiol** 1985 Jul;6(1):215–20

Myocardial material mechanics: characteristic variation of the circumferential and longitudinal systolic moduli in left ventricular dysfunction. Phillips CA, et al. **J Biomech** 1984; 17(8):561–8

Beta-adrenergic function in heart muscle disease and heart failure. Bristow MR, et al. **J Mol Cell Cardiol** 1985 Jul; 17 Suppl 2:41–52 (83 ref.)

Mechanisms in cardiomyopathies. Goodwin JF. **J Mol Cell Cardiol** 1985 Jul;17 Suppl 2:5–9

High blood pressure and 'ischaemic' ECG patterns in climacteric women. Villecco AS, et al. **Maturitas** 1985 Jul; 7(2):89–97

Peripartum cardiomyopathy. Homans DC. **N Engl J Med** 1985 May 30;312(22):1432–7 (94 ref.)

[Significance of intraventricular conduction disorders observed in arrhythmogenic right ventricular dysplasia] Fontaine G, et al. **Arch Mal Coeur** 1984 Aug;77(8):872–9 (Eng. Abstr.) **(Fre)**

[Altered diastolic function of the left ventricle in juvenile diabetes. Computerized echocardiographic study] Bertoni PD, et al. **G Ital Cardiol** 1984 Nov;14(11):839–46 (Eng. Abstr.) **(Ita)**

[Functional characteristics of the cardiovascular system in non-rheumatic myocardial lesions in children] Prikhod'ko VS, et al. **Pediatriia** 1984 Nov;(11):15–7 (Eng. Abstr.) **(Rus)**

[Role of hyperlipidemia in disorders of myocardial function in men with or without angina pectoris and post-infarction cardiosclerosis] Lipovetskiĭ BM, et al. **Ter Arkh** 1984; 56(12):10–3 (Eng. Abstr.) **(Rus)**

[Hyperthyroid cardiomyopathy: disorders in the creatine transport system and increased sensitivity to ischemic damage] Seppet EK, et al. **Vestn Akad Med Nauk SSSR** 1984;(10):48–56 (Eng. Abstr.) **(Rus)**

[Correlation of noninvasive parameters of myocardial function in patients with postinfarction cardiomyopathy] Ilić S, et al. **Srp Arh Celok Lek** 1984 Apr;112(4):469–79 (Eng. Abstr.) **(Scc)**

PREVENTION & CONTROL

Diltiazem for myocardial protection in CPR [letter] Meuret GH. **Ann Emerg Med** 1984 Dec;13(12):1168

Oxyfedrine and propranolol. A comparative experimental approach to protect myocardium against isoprenaline-induced myocardial necrosis. Seth SD, et al. **Arzneimittelforsch** 1984;34(6):678–83

Suppression of cellular injury during the calcium paradox in rat heart by factors which reduce calcium uptake by mitochondria. Busselen P. **Pflugers Arch** 1985 May; 404(2):166–71

[Experimental research on the yin-yang theory in traditional Chinese medicine (IV): The effect of monkshood, bark of the Chinese cassia tree and liu wei di huang fang on the myocardium of renovascular hypertensive rats] Kuang AK, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Mar;5(3):167–8, 132 (Eng. Abstr.) **(Chi)**

[Thoughts on the prevention of cardiomyopathies] Gvozdják J. **Cas Lek Cesk** 1984 Jul 27;123(30):934–6 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Computed tomographic appearances of cardiac amyloidosis [letter] Depelchin P, et al. **Br Heart J** 1985 Jan;53(1):116–7

[Cardiac manifestations of Boeck's sarcoidosis] Károlyi A, et al. **Orv Hetil** 1985 Feb 24;126(8):465–7 (Eng. Abstr.) **(Hun)**

[A case of calcinosis of the left ventricular myocardium] Kamenkov PV. **Vestn Rentgenol Radiol** 1984 Nov–Dec; (6):82–4 **(Rus)**

RADIONUCLIDE IMAGING

The cardiomyopathy in Friedreich's ataxia: isotopic ventriculography and myocardial imaging with thallium-201. Therriault L, et al. **Can J Neurol Sci** 1984 Nov;11(4 Suppl):588–91

Scintigraphic characterization of amyloid cardiomyopathy. Li CK, et al. **Clin Nucl Med** 1985 Mar;10(3):156–9

Scintigraphic findings in primary amyloidosis of the heart and stomach. Shih WJ, et al. **Clin Nucl Med** 1985 Jul; 10(7):466–7

Cardiac gallium uptake in amyloidosis [letter] Montes J, et al. **Eur J Nucl Med** 1984;9(9):438

omega-123I-hexadecanoic acid metabolic probe of cardiomyopathy. Rabinovitch MA, et al. **Eur J Nucl Med** 1985;10(5–6):222–7

Technetium 99m-pyrophosphate scintigraphy in amyloid cardiomyopathy. Ptacin MJ, et al. **Wis Med J** 1985 Mar; 84(3):25–7

[Detection of intracardiac thrombi by scintigraphy with indium111-labeled platelets. Correlation with 2-dimensional echography and cardiac scanning] Benichou M, et al. **Arch Mal Coeur** 1984 Sep;77(9):1054–63 (Eng. Abstr.) **(Fre)**

[A case of arrhythmogenic right ventricular dysplasia: noninvasive evaluation by technetium-99m cardiac blood pool scan, thallium-201 myocardial imaging and X-ray CT] Magosaki N, et al. **Kokyu To Junkan** 1984 Oct; 32(10):1091–7 (Eng. Abstr.) **(Jpn)**

[Myocardial sarcoidosis diagnosed by thallium scintigraphy] Tamaki N, et al. **Rinsho Hoshasen** 1984 May;29(5):641–2 **(Jpn)**

SURGERY

Laser photoablation of pathological endocardium: in vitro findings suggesting a new approach to the surgical treatment of refractory arrhythmias and restrictive cardiomyopathy. Isner JM, et al. **Ann Thorac Surg** 1985 Mar;39(3):201–6

Echinococcosis of the heart presenting as ventricular tachycardia: recovery after surgical treatment. Balram A, et al. **Indian J Chest Dis Allied Sci** 1983 Oct–Dec; 25(4):286–9

Cardiac transplantation. Results of a two-year experience at Methodist Hospital. Halbrook HG, et al.

Indiana Med 1985 May;78(5):383–4

THERAPY

Primary cardiac amyloidosis treated with permanent pacing [letter] Cavalli A, et al. **PACE** 1985 May;8(3 Pt 1):465–6

[A case of restrictive cardiomyopathy associated with abnormal Q wave and bradycardia–tachycardia syndrome, successfully treated by AV sequential pacing] Hamashige N, et al. **Nippon Naika Gakkai Zasshi** 1984 Dec; 73(12):1849–55 **(Jpn)**

[Therapeutic characteristics in heart failure in chronic congestive myocardiopathies] Stanciu L, et al. **Rev Med Interna [Med Interna]** 1985 Jan–Feb;37(1):31–9 (Eng. Abstr.) **(Rum)**

VETERINARY

Myocardial disease in small animals. Darke PG. **Br Vet J** 1985 Jul–Aug;141(4):342–8 (31 ref.)

A potential model for a human disease: spontaneous cardiomyopathy–congestive heart failure in SHR/N–cp rats. Ruben Z, et al. **Hum Pathol** 1984 Oct;15(10):902–3

Cardiomyopathy associated with vitamin E deficiency in seven gelada baboons. Liu SK, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1347–50

Advances in feline cardiomyopathy. Bond BR, et al. **Vet Clin North Am [Small Anim Pract]** 1984 Sep; 14(5):1021–38 (46 ref.)

Therapy for cardiac failure in small animals. Darke PG. **Vet Rec** 1984 Sep 29;115(13):329–31

Furazolidone poisoning associated with cardiomyopathy in chickens. Mustafa AI, et al. **Vet Rec** 1984 Sep 8;115(10):251

[Cardiovascular study of the horse: relation between vascular and tissue changes in the myocardium. 3] Dudan F, et al. **Schweiz Arch Tierheilkd** 1985 Jun;127(6):369–78 (Eng. Abstr.) **(Fre)**

[Selenium and vitamin E supplement for swine. Relation to mulberry heart disease. 2.] Wallimann M, et al. **Schweiz Arch Tierheilkd** 1984 Dec;126(12):621–31 (Eng. Abstr.) **(Ger)**

MYOCARDIAL DISEASES, PRIMARY see **MYOCARDIAL DISEASES**

MYOCARDIAL DISEASES, SECONDARY see **MYOCARDIAL DISEASES**

MYOCARDIAL INFARCTION

Relation between the transmural extent of acute myocardial infarction and associated myocardial contractility two weeks after infarction. Ellis SG, et al. **Am J Cardiol** 1985 May 1;55(11):1412–6

Acute coronary thromboembolization in unstable angina without subsequent myocardial infarction. Schatz RE, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1326–8

Acute myocardial infarction: a collaborative study of 1,541 cases from four medical centers in Thailand. Chaithiraphan S, et al. **J Med Assoc Thai** 1984 Jul;67(7):382–90

Mobile coronary care [letter] Wilson C, et al. **Lancet** 1985 May 18;1(8438):1156–7

Clinical characteristics of and prognosis in acute transmural anterior, transmural inferior and non–transmural myocardial infarction. A comparative retrospective study. van Rensburg CJ, et al. **S Afr Med J** 1985 Mar 30; 67(13):487–95

Myocardial infarction in pregnancy. Hutchison SJ, et al. **Scott Med J** 1985 Apr;30(2):116–8

Ventricular premature complexes and diagnosis of acute MI [letter] Biel S, et al. **South Med J** 1985 Feb;78(2):226

[Simple technique for coronary occlusion in a closed–chest dog] Akizuki S. **Kokyu To Junkan** 1984 Sep;32(9):921–4 **(Jpn)**

[Evaluation and identification of the extension of acute myocardial infarct and its complications by bidimensional echocardiography] Palma García S, et al. **Arch Inst Cardiol Mex** 1985 Jan–Feb;55(1):49–57 (Eng. Abstr.) **(Spa)**

BLOOD

How should we proceed when a myocardial infarction is suspected. Chapelle JP. **Acta Clin Belg** 1984;39(6):393–5

Cardiac dysrhythmias in patients with acute myocardial infarction. Relation to serum potassium level and prior diuretic therapy. Dyckner T, et al. **Acta Med Scand** 1984; 216(1):1[illegible]-32

Platelet [illegible]s in myocardial infarction, angina pectoris and peripl[illegible] artery disease. Fagher B, et al. **Acta Med Scand** 1985;217(1):21–6

Hypokalemia, arrhythmias and early prognosis in acute myocardial infarction. Nordrehaug JE. **Acta Med Scand** 1985;217(3):299–306

ADP–induced platelet aggregation in young female survivors of acute myocardial infarction and their female controls. Vilén L, et al. **Acta Med Scand** 1985;217(1):9–13

ADP–induced platelet aggregation and metoprolol treatment of myocardial infarction patients. A controlled study. Vilén L, et al. **Acta Med Scand** 1985;217(1):15–20

Follow–up of prostaglandin plasma levels after acute myocardial infarction. Friedrich T, et al. **Am Heart J** 1985 Feb;109(2):218–22

Thromboxane A2 in acute myocardial infarction. Walinsky P, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):868–72

Selective inhibition of thromboxane–related platelet function by low–dose aspirin in patients after myocardial infarction. De Caterina R, et al. **Am J Cardiol** 1985 Feb 15; 55(5):589–90

Time course of alpha–1–acid glycoprotein and its relation to myocardial enzymes after acute myocardial infarction. Giardina EG, et al. **Am J Cardiol** 1985 Aug 1;56(4):262–5

Validity of serum total cholesterol level obtained within 24 hours of acute myocardial infarction. Gore JM, et al. **Am J Cardiol** 1984 Oct 1;54(7):722–5

Diagnosis of acute myocardial infarction by detection of circulating cardiac myosin light chains. Katus HA, et al. **Am J Cardiol** 1984 Nov 1;54(8):964–70

Association of hyperestrogenemia and coronary heart disease in men in the Framingham cohort [letter] Zumoff B. **Am J Med** 1985 Jan;78(1):A64, A76

Serum copper in myocardial infarction––diagnostic and prognostic significance. Singh MM, et al. **Angiology** 1985 Aug;36(8):504–10

Myoglobin in the very early phase of acute myocardial infarction. McComb JM, et al. **Ann Clin Biochem** 1985 Mar; 22 (Pt 2):152–5

Factitious lowering of the serum potassium level after cardiopulmonary resuscitation. Implications for evaluating the arrhythmogenicity of hypokalemia in acute myocardial infarction. Isner JM, et al. **Arch Intern Med** 1985 Jan; 145(1):161–2

Total plasma apo E and high density lipoprotein apo E in survivors of myocardial infarction. Bittolo Bon G, et al. **Atherosclerosis** 1984 Oct;53(1):69–75

Relationship between platelet aggregation and plasma beta–thromboglobulin levels in arterio–vascular and renal diseases. Kubisz P, et al. **Atherosclerosis** 1985 Jun; 55(3):363–8

Platelet depletion in experimental myocardial infarction. Jolly SR, et al. **Basic Res Cardiol** 1985 May–Jun;80(3):269–79

Fatty acid patterns of the serum phospholipids, cholesterolesters and triglycerides in patients with myocardial infarction (MI) during the acute phase and a follow–up of one year. Kahl PE, et al. **Biomed Biochim Acta** 1984;43(8–9):S447–50

Serum phosphate levels in acute myocardial infarction. García H, et al. **Bol Asoc Med PR** 1985 May;77(5):184–5

High mean platelet volume after myocardial infarction [letter] **Br Med J [Clin Res]** 1985 Jan 19;290(6463):238–9

Why measure cholesterol after myocardial infarction, and when? [editorial] Oliver MF. **Br Med J [Clin Res]** 1984 Dec 15;289(6459):1641–2

How soon after myocardial infarction should plasma lipid values be assessed? [letter] Rubiés–Prat J, et al. **Br Med J [Clin Res]** 1985 Feb 9;290(6466):470–1

How soon after myocardial infarction should plasma lipid values be assessed? Ryder RE, et al. **Br Med J [Clin Res]** 1984 Dec 15;289(6459):1651–3

High mean platelet volume after myocardial infarction: is it due to consumption of small platelets? Sewell R, et al. **Br Med J [Clin Res]** 1984 Dec 8;289(6458):1576–8

Studies on plasma cyclic nucleotide, cyclic nucleotide phosphodiesterase, beta–thromboglobulin, and myoglobin response in patients with acute myocardial infarction. Kurokawa Y, et al. **Bull Osaka Med Sch** 1983 Oct; 29(2):85–97

Fibrin formation and platelet aggregation in patients with severe coronary artery disease: relationship with the degree of myocardial ischemia. Gallino A, et al. **Circulation** 1985 Jul;72(1):27–30

Early detection of myocardial infarction in conscious dogs by analysis of plasma MM creatine kinase isoforms. Hashimoto H, et al. **Circulation** 1985 Feb;71(2):363–9

Clinical pharmacology in patients with evolving myocardial infarction of tissue–type plasminogen activator produced by recombinant DNA technology. Tiefenbrunn AJ, et al. **Circulation** 1985 Jan;71(1):110–6

Short–term changes in iron, ferritin, total iron–binding capacity, and transferrin in serum after myocardial infarction [letter] Finlayson J, et al. **Clin Chem** 1985 May; 31(5):782–3

Nickel concentrations in serum of patients with acute myocardial infarction or unstable angina pectoris. Leach CN Jr, et al. **Clin Chem** 1985 Apr;31(4):556–60

Hypergastrinemia––a risk factor for myocardial infarction? Lindstedt G, et al. **Clin Chem** 1985 Apr;31(4):585–90

Thyroid status in patients after acute myocardial infarction. Franklyn JA, et al. **Clin Sci** 1984 Dec;67(6):585–90

Platelet volume subpopulations in acute myocardial infarction: an investigation of their homogeneity for smoking, infarct size and site. Kishk YT, et al. **Clin Sci** 1985 Apr;68(4):419–25

The acute changes in serum binding of disopyramide and flecainide after myocardial infarction. Caplin JL, et al. **Eur J Clin Pharmacol** 1985;28(3):253–5

'Low T3–syndrome' in acute myocardial infarction––relationship to beta–adrenergic blockade and clinical course. Pedersen F, et al. **Eur J Clin Pharmacol** 1984;26(6):669–73

A study of soluble fibrin monomer complexes (SFMC) and plasma fibrinogen in acute myocardial infarction. Jain SM, et al. **Indian J Chest Dis Allied Sci** 1984 Apr–Jun; 26(2):98–103

Defective fibrinolysis in survivors of myocardial infarction. Johnson O, et al. **Int J Cardiol** 1984 Sep;6(3):380–2

Lack of elevation of platelet factor IV in plasma from patients with myocardial infarction. Jaffe AS, et al. **J Am Coll Cardiol** 1984 Oct;4(4):653–9

Blood urea in myocardial infarction. Sharma SC, et al. **J Assoc Physicians India** 1984 May;32(5):407–9

Impaired platelet prostacyclin binding in acute myocardial infarction [letter] **Lancet** 1984 Dec 8;2(8415):1341–2

Neutrophil activation after myocardial infarction [letter] Matthews SB, et al. **Lancet** 1984 Sep 29;2(8405):756–7

Prognostic importance of cholesterol levels after myocardial infarction. Ulvenstam G, et al. **Prev Med** 1984 Jul; 13(4):355–66

Decreased serum levels of a factor stimulating prostacyclin synthesis in acute myocardial infarction. Yui Y, et al. **Prostaglandins Leukotrienes Med** 1984 Dec;16(3):389–94

Plasma catecholamines in patients with acute myocardial infarction and in cardiac arrest. Little RA, et al. **Q J Med** 1985 Feb;54(214):133–40

The effect of alprenolol on serum myoglobin levels in acute myocardial infarction. Pedersen F, et al. **Scand J Clin Lab Invest** 1984 Nov;44(7):649–54

Exercise–induced platelet activation in myocardial infarction survivors with normal coronary arteriogram. Douste–Blazy P, et al. **Thromb Haemost** 1984 Dec 29;52(3):297–300

Abnormal plasma levels of factor VIII/von Willebrand factor complex in myocardial infarction––expression of acute phase reaction or index of vascular endothelium damage? [letter] Giustolisi R, et al. **Thromb Haemost** 1984 Jul 29; 51(3):408

Platelet production in myocardial infarction and sudden cardiac death. Trowbridge EA, et al. **Thromb Haemost** 1984 Oct 31;52(2):167–71

Shape and spreading of platelets from the blood of patients with acute myocardial infarction. Vasilieva EJ, et al. **Thromb Haemost** 1984 Oct 31;52(2):201–4

Serum levels of digoxin in sudden cardiac deaths. Eriksson M, et al. **Z Rechtsmed** 1984;93(1):29–32

[Serum HDL–cholesterol level in acute myocardial infarct patients with normal total cholesterol] Cui QW. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep; 12(3):199–200 **(Chi)**

[Plasma levels of apolipoproteins A–I, B and H in men after myocardial infarct] Choluj B, et al. **Cas Lek Cesk** 1984 Nov 23;123(47):1433–6 (Eng. Abstr.) **(Cze)**

[Anti–aggregation effect of verapamil in healthy persons and in patients after myocardial infarct] Alušík S, et al. **Vnitr Lek** 1984 Aug;30(8):740–4 (Eng. Abstr.) **(Cze)**

[Use of desmopressin (DDAVP) in the detection of decreased fibrinolytic capacity in persons with idiopathic venous thrombosis and myocardial infarct at a young age] Cepelák V, et al. **Vnitr Lek** 1985 Mar;31(3):232–9 (Eng. Abstr.) **(Cze)**

[Changes in thyroid hormones in acute myocardial infarct] Límanová Z, et al. **Vnitr Lek** 1984 Dec;30(12):1177–85 (Eng. Abstr.) **(Cze)**

[Neuroendocrine response to physical stress after myocardial infarct] Přikryl P, et al. **Vnitr Lek** 1984 Nov;30(11):1052–9 (Eng. Abstr.) **(Cze)**

[Linoleic acid in patients with ischemic heart disease] Válek J, et al. **Vnitr Lek** 1984 Sep;30(9):855–61 (Eng. Abstr.) **(Cze)**

[Myoglobinemia in myocardial infarction (letter)] Louvard Y, et al. **Presse Med** 1985 Jul 6;14(27):1475 **(Fre)**

[Antithrombin III changes following myocardial infarct] Oehler G, et al. **Klin Wochenschr** 1984 Sep 3;62(17):832–6 (Eng. Abstr.) **(Ger)**

[Specificity and sensitivity of lipoprotein lipids in normal persons and cardiovascular patients] Herrmann W, et al. **Z Gesamte Inn Med** 1985 Mar 15;40(6):180–3 (Eng. Abstr.) **(Ger)**

[Effect of sorbinicate on blood proteins and platelet aggregation in patients with coronary disease] Bonfiglioli D, et al. **Clin Ter** 1984 Jul 31;110(2):111–8 (Eng. Abstr.) **(Ita)**

[Hematocrit level in patients with acute myocardial infarct] Giuntoli F, et al. **G Clin Med** 1984 Jul–Aug;65(7–8):299–308 (Eng. Abstr.) **(Ita)**

[Short–term effects of a training program on the plasma level of HDL–cholesterol in infarct patients] Bigi R, et al. **Minerva Cardioangiol** 1985 Mar;33(3):127–34 (Eng. Abstr.) **(Ita)**

[Clinical significance of plasma norepinephrine and epinephrine early in the course of acute myocardial infarction] Toda G, et al. **Kokyu To Junkan** 1985 May; 33(5):657–61 (Eng. Abstr.) **(Jpn)**

[Trace metals in the blood during non–transmural myocardial infarction] Adamska–Dyniewska H, et al. **Kardiol Pol** 1985; 28(1):11–6 (Eng. Abstr.) **(Pol)**

[Selection of therapeutic procedures after myocardial infarction based on fibrinolytic activity, blood platelet function and lipid and carbohydrate metabolism] Zawilska K, et al. **Pol Arch Med Wewn** 1984 Dec;72(6):305–11 (Eng. Abstr.) **(Pol)**

[Value of determining the oxygen saturation of mixed venous blood in myocardial infarction] Widomska–Czekajska T, et al. **Wiad Lek** 1984 Mar 15;37(6):409–14 (Eng. Abstr.) **(Pol)**

[Significance of free fatty acid levels in evaluating the severity of myocardial infarction and the efficacy of drug therapy] Borokhova IA. **Kardiologiia** 1984 Dec; 24(12):113–6 (66 ref.) **(Rus)**

[Lipid content of the blood plasma and thrombocyte

aggregation in myocardial infarct patients] Botolova EN, et al. **Kardiologiia** 1985 May;25(5):100-1 (Rus)
[Haptoglobin phenotype distribution in patients at high risk of developing myocardial infarct] Gogishvili AV, et al. **Kardiologiia** 1985 Feb;25(2):55-8 (Eng. Abstr.) (Rus)
[Changes in the indices of plasma lipoprotein and apolipoprotein spectra in patients with myocardial infarct and unstable stenocardia over the course of a year's observation] Noeva EA, et al. **Kardiologiia** 1985 Feb; 25(2):46-52 (Eng. Abstr.) (Rus)
[Thyroid hormone changes (iodothyroninemia) in patients with acute myocardial infarction, and their clinical significance] Pimenov LT, et al. **Kardiologiia** 1984 Oct; 24(10):74-7 (Eng. Abstr.) (Rus)
[Serum apolipoproteins A-1 and B in young males with a history of myocardial infarction] Vetrov AV, et al. **Kardiologiia** 1984 Oct;24(10):87-90 (Eng. Abstr.) (Rus)
[Lipid peroxidation of the blood neutrophils of patients with an ischemic insult and myocardial infarct and of their relatives] Davidenkova EF, et al. **Klin Med (Mosk)** 1984 Nov;62(11):79-81 (Eng. Abstr.) (Rus)
[Information value of research on blood myoglobin in myocardial infarct patients] Gogin EE, et al. **Klin Med (Mosk)** 1985 Jan;63(1):33-7 (Rus)
[Significance of indices of plasma osmolarity in clinical practice] Slepushkin VD. **Klin Med (Mosk)** 1984 Jul; 62(7):62-5 (Rus)
[Blood haptoglobin in patients with myocardial diseases] Chernikhovskaia LS, et al. **Lab Delo** 1985;(5):274-6 (Eng. Abstr.) (Rus)
[2,3-Diphosphoglycerate content of the erythrocytes in patients with acute myocardial infarct] Gabarashvili LV, et al. **Lab Delo** 1984;(11):656-8 (Rus)
[Comparative study of the myoglobin level, activity and concentration of creatine kinase MB isoenzyme in acute myocardial infarct] Ivleva VI, et al. **Lab Delo** 1984; (7):389-92 (Eng. Abstr.) (Rus)
[New method of evaluating the transport function of serum albumin] Mel'nik IA, et al. **Lab Delo** 1985;(4):202-4 (Eng. Abstr.) (Rus)
[Dynamics of blood fibronectin in patients with myocardial infarct] Titov VN, et al. **Lab Delo** 1985;(4):197-202 (Eng. Abstr.) (Rus)
[Significance of radioimmunologic studies in the diagnosis, assessment of severity and prognosis of myocardial infarct] Zharov EI, et al. **Med Radiol (Mosk)** 1985 Feb;30(2):23-6 (Eng. Abstr.) (Rus)
[Changes in the sonoluminescence level of arterial and venous blood plasma in experimental myocardial infarct] Adzhimolaev IA, et al. **Patol Fiziol Eksp Ter** 1985 Jan-Feb;(1):15-8 (Eng. Abstr.) (Rus)
[Utilization of active forms of oxygen and lipoperoxides in the blood of patients with myocardial infarction] Lankin VZ, et al. **Ter Arkh** 1985;57(5):58-62 (Rus)
[Dynamics of blood fibronectin level in myocardial infarction] Titov VN, et al. **Ter Arkh** 1985;57(5):47-52 (Eng. Abstr.) (Rus)
[Lipid peroxidation products in the blood of patients with acute myocardial infarction treated and untreated with the antioxidant dibunol] Churakova TD, et al. **Vestn Akad Med Nauk SSSR** 1985;(4):71-4 (Eng. Abstr.) (Rus)
[Dynamics of ionized blood plasma calcium in acute myocardial infarct patients during counterpulsation] Liashevskaia TN, et al. **Vrach Delo** 1984 Aug;(8):16-7 (Eng. Abstr.) (Rus)
[The blood kallikrein-kinin system of acute myocardial infarct patients] Miagkov II, et al. **Vrach Delo** 1984 Aug; (8):14-6 (Eng. Abstr.) (Rus)
[Copper in the blood of patients with myocardial infarcts] Jaredić M, et al. **Srp Arh Celok Lek** 1984 May; 112(5):585-90 (Eng. Abstr.) (Scc)
[The effect of Anturane and aspirin on thrombocyte aggregation] Ciko Z, et al. **Vojnosanit Pregl** 1984 Sep-Oct; 41(5):341-5 (Eng. Abstr.) (Ser)
[Levels of plasma cortisol from the aspect of diurnal rhythm in acute myocardial infarct] Markuljak I, et al. **Vnitr Lek** 1984 Jul;30(7):681-7 (Eng. Abstr.) (Slo)
[Changes in high-density lipoproteins during the acute phase of acute myocardial infarction] Joven J, et al. **Med Clin (Barc)** 1985 Feb 2;84(4):135-7 (Eng. Abstr.) (Spa)
[Preliminary study of the phospholipids of HDL in ischemic cardiomyopathy] Díez Prieto F, et al. **Rev Clin Esp** 1984 Jun 15-30;173(5-6):291-6 (Eng. Abstr.) (Spa)
[Serum ferritin in acute myocardial infarction] Camps C, et al. **Rev Esp Cardiol** 1985 May-Jun;38(3):177-9 (Eng. Abstr.) (Spa)

CHEMICALLY INDUCED

Alterations in isoproterenol-induced cardiac metabolic changes by a quaternary analog of propranolol, UM-272. Seth SD, et al. **Acta Cardiol (Brux)** 1985;40(2):237-46
Cocaine-induced angina pectoris and acute myocardial infarction in patients younger than 40 years. Pasternack PF, et al. **Am J Cardiol** 1985 Mar 1;55(6):847
Dynamic left ventricular outflow obstruction and myocardial infarction following doxorubicin administration in a woman affected by unsuspected hypertrophic cardiomyopathy [letter] Mancuso L, et al. **Cancer Treat Rep** 1985 Feb; 69(2):241-4
Cocaine and acute myocardial infarction. A probable connection. Kossowsky WA, et al. **Chest** 1984 Nov; 86(5):729-31
Acute myocardial infarction following cocaine abuse in a young woman with normal coronary arteries. Howard RE, et al. **JAMA** 1985 Jul 5;254(1):95-6
Oral contraceptives and nonfatal vascular disease. Porter JB, et al. **Obstet Gynecol** 1985 Jul;66(1):1-4
[2 new cases of myocardial infarction after injection of vincristine] Allal J, et al. **Ann Cardiol Angeiol (Paris)** 1984 Nov;33(7):469-70 (Eng. Abstr.) (Fre)
[Transmural myocardial infarction and Prinzmetal's syndrome in an allergic reaction to glafenine. Physiopathological discussion. Apropos of a case] Lainée R, et al. **Arch Mal Coeur** 1985 Jun;78(6):955-9 (Eng. Abstr.) (Fre)
[Myocardial infarction after voluntary poisoning with disulfiram and alcohol (letter)] Rimailho A, et al. **Presse Med** 1984 Oct 20;13(37):2266 (Fre)
[Simulation of intramural heart infarct in ECG by beta-receptor blockader] Schüffler J, et al. **Z Gesamte Inn Med** 1984 Dec 1;39(23):597-600 (Eng. Abstr.) (Ger)
[Myocardial infarction induced by vincristine in patients with Hodgkin's lymphoma. Description of 2 cases and review of the literature] Barra M, et al. **G Ital Cardiol** 1985 Jan; 15(1):107-11 (Eng. Abstr.) (Ita)
[Myocardial infarction after the first dose of nifedipine] Siebert J, et al. **Wiad Lek** 1984 May 1;37(9):669-72 (Eng. Abstr.) (Pol)

CLASSIFICATION

[Hemodynamic significance of an anatomo-functional classification of myocardial infarction] Giannuzzi P, et al. **G Ital Cardiol** 1984 Oct;14(10):735-44 (Eng. Abstr.) (Ita)

COMPLICATIONS

Persistent intracardiac thrombi and systemic embolization despite anticoagulant therapy. Arvan S. **Am Heart J** 1985 Jan;109(1):178-81
Ventricular septal rupture following a clinically unrecognized myocardial infarction. Brush JE, et al. **Am Heart J** 1985 Sep;110(3):667-70
Two-dimensional echographic visualization of free ventricular wall rupture in acute anterior myocardial infarction. Desoutter P, et al. **Am Heart J** 1984 Nov; 108(5):1360-1
Ten-year survival after subacute heart rupture post AMI [letter] Feneley MP, et al. **Am Heart J** 1984 Dec; 108(6):1589-90
Heparin-related thrombosis after myocardial infarction. Hawkins KA, et al. **Am Heart J** 1984 Dec;108(6):1543-4
The significance of left ventricular thrombi in patients with coronary heart disease: a retrospective analysis of pooled data. Kinney EL. **Am Heart J** 1985 Jan;109(1):191-4
Intraventricular conduction defects in acute myocardial infarction: incidence, prognosis, and therapy. Klein RC, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):1007-13
Clotted hemopericardium post myocardial infarction presenting as effusive constrictive pericarditis. Low RI, et al. **Am Heart J** 1985 Apr;109(4):905-8
Effects of the presence or absence of preceding angina pectoris on left ventricular function after acute myocardial infarction. Matsuda Y, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):955-8
Prognostic implications of complicated ventricular arrhythmias early after hospital discharge in acute myocardial infarction: a serial ambulatory electrocardiography study. Olson HG, et al. **Am Heart J** 1984 Nov;108(5):1221-8
Spontaneous ventricular tachycardia associated with isolated right ventricular infarction, one day after right coronary artery occlusion in the dog: studies on the site of origin and mechanism. Sugi K, et al. **Am Heart J** 1985 Feb; 109(2):232-44
Prenatal death from acute myocardial infarction and cardiac tamponade due to embolus from the placenta. Wolf PL, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):603-5
Ventricular septal rupture during ibuprofen therapy for pericarditis after acute myocardial infarction. Boden WE, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1631-2
Repetitive, monomorphic ventricular tachycardia: clinical and electrophysiologic characteristics in patients with and patients without organic heart disease. Buxton AE, et al. **Am J Cardiol** 1984 Nov 1;54(8):997-1002
Prophylactic antiarrhythmic therapy in acute myocardial infarction. Campbell RW. **Am J Cardiol** 1984 Dec 21; 54(11):8E-10E (22 ref.)
Doppler detection of acquired ventricular septal defect. Come PC. **Am J Cardiol** 1985 Feb 15;55(5):586-8
Effects of verapamil in preventing early postinfarction angina and reinfarction. Crea F, et al. **Am J Cardiol** 1985 Apr 1;55(8):900-4
Ventricular septal rupture complicating acute myocardial infarction: identification of simple and complex types in 53 autopsied hearts. Edwards BS, et al. **Am J Cardiol** 1984 Dec 1;54(10):1201-5
Frequency of pericardial effusion as determined by M-mode echocardiography in acute myocardial infarction. Kaplan K, et al. **Am J Cardiol** 1985 Feb 1;55(4):335-7
Occluding clot in the left main coronary artery with survival long enough to develop massive left ventricular wall necrosis. Mas IJ, et al. **Am J Cardiol** 1985 Apr 15; 55(9):1218-20
Subendocardial resection for sustained ventricular tachycardia in the early period after acute myocardial infarction. Miller JM, et al. **Am J Cardiol** 1985 Apr 1; 55(8):980-4
Ectopic ventricular tachycardia sensitive to calcium antagonists in acute myocardial infarction in dogs. Miyazaki T, et al. **Am J Cardiol** 1985 Apr 1;55(8):1085-90
Malignant arrhythmia in relation to serum potassium in acute myocardial infarction. Nordrehaug JE. **Am J Cardiol** 1985 Aug 30;56(6):20D-23D
Value and limitations of exercise radionuclide angiography for detecting myocardial ischemia in healed myocardial infarction. Plotnick GD, et al. **Am J Cardiol** 1985 Jul 1; 56(1):1-7
Size of acute myocardial infarcts in patients with diabetes mellitus. Rennert G, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1629-30
Effect of ventricular fibrillation complicating acute myocardial infarction on long-term prognosis: importance of the site of infarction. Schwartz PJ, et al. **Am J Cardiol** 1985 Sep 1;56(7):384-9
Left ventricular volume and ejection fraction response to exercise in chronic congestive heart failure: difference between dilated cardiomyopathy and previous myocardial infarction. Shen WF, et al. **Am J Cardiol** 1985 Apr 1; 55(8):1027-31
Prognosis of patients with diabetes mellitus after acute myocardial infarction. Smith JW, et al. **Am J Cardiol** 1984 Oct 1;54(7):718-21
Atrial fibrillation in acute myocardial infarction. Sugiura T, et al. **Am J Cardiol** 1985 Jul 1;56(1):27-9
Catenoidal shape of the interventricular septum acquired secondary to myocardial infarction. Hutchins GM, et al. **Am J Clin Pathol** 1985 Jan;83(1):53-8
Anaerobic myocardial abscess following myocardial infarction. Finley RW, et al. **Am J Med** 1985 Mar; 78(3):513-4
Therapy for late post infarction ventricular tachycardia. Somberg JC, et al. **Angiology** 1985 Mar;36(3):181-90
Hypothermia with acute myocardial infarction. Doherty NE, et al. **Ann Intern Med** 1984 Dec;101(6):797-8
Ventricular premature beats, ventricular tachycardia, and sudden cardiac death: identification of patients and drug treatment. Reid PR. **Ann NY Acad Sci** 1984;432:236-46 (54 ref.)
Re: Myocardial infarction and ventricular rupture [letter] Wardrope J. **Arch Emerg Med** 1985 Mar;2(1):51-2
Acute febrile neutrophilic dermatosis (Sweet's syndrome) associated with post-myocardial infarction syndrome (Dressler's syndrome). Rodriguez de la Serna A, et al. **Arch Intern Med** 1985 Aug;145(8):1522-4
Myocarditis confirmed by biopsy presenting as acute myocardial infarction. Costanzo-Nordin MR, et al. **Br Heart J** 1985 Jan;53(1):25-9
Pacemaker dependence in patients with bifascicular block during acute anterior myocardial infarction. Edhag O, et al. **Br Heart J** 1984 Oct;52(4):408-12
Prophylaxis against ventricular arrhythmias in suspected acute myocardial infarction: a comparison of tocainide and disopyramide. Allen-Narker RA, et al. **Br J Clin Pharmacol** 1984 Nov;18(5):725-32
Clinical aspects of hyperlipidaemia [letter] Ryder RE, et al. **Br J Hosp Med** 1984 Oct;32(4):223
Effect of intravenous infusion of insulin in diabetics with acute myocardial infarction [letter] **Br Med J [Clin Res]** 1985 Sep 7;291(6496):677
Effect of intravenous infusion of insulin in diabetics with acute myocardial infarction. Clark RS, et al. **Br Med J [Clin Res]** 1985 Aug 3;291(6491):303-5
Postmyocardial infarction syndrome [editorial] Timmis AD. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):636-7
Isolated right ventricular infarction: a diagnostic challenge. Antonelli D, et al. **Cardiology** 1984;71(5):273-6
Liver damage as a potential source of error in the estimation of myocardial infarct size from plasma creatine kinase activity. Oostenbroek RJ, et al. **Cardiovasc Res** 1985 Feb; 19(2):113-9
Left ventricular thrombosis, wall motion abnormalities, and blood viscosity changes after first transmural anterior myocardial infarction. Bhatnagar SK, et al. **Chest** 1985 Jul; 88(1):40-4
Dextrocardia with myocardial infarction. Dubb A, et al. **Chest** 1985 Jul;88(1):119-20
Long-term follow-up of left ventricular thrombus after acute myocardial infarction. A two-dimensional echocardiographic study in 96 patients. Visser CA, et al. **Chest** 1984 Oct;86(4):532-6
Day-to-day variations in inducibility of ventricular tachyarrhythmias during the late postmyocardial infarction phase in conscious dogs. Cobbe SM, et al. **Circulation** 1985 Jul;72(1):200-4
Serum potassium concentration as a risk factor of ventricular arrhythmias early in acute myocardial infarction. Nordrehaug JE, et al. **Circulation** 1985 Apr;71(4):645-9
Urgent surgery for ventricular septal rupture complicating acute myocardial infarction. Scanlon PJ, et al. **Circulation** 1985 Sep;72(3 Pt 2):II185-90
The effects of premature stimulation of the His bundle on epicardial activation and body surface late potentials in

dogs susceptible to sustained ventricular tachyarrhythmias. Spear JF, et al. **Circulation** 1985 Jul;72(1):214–24

Prognostic significance and natural history of left ventricular thrombi in patients with acute anterior myocardial infarction: a two-dimensional echocardiographic study. Spirito P, et al. **Circulation** 1985 Oct;72(4):774–80

Treatment of perinfarction recurrent ventricular fibrillation by percutaneous pharmacological block of left stellate ganglion. Biagini A, et al. **Clin Cardiol** 1985 Feb;8(2):111–3

Ruptured papillary muscle, a complication of myocardial infarction: clinical presentation, diagnosis, and treatment. Clements SD Jr, et al. **Clin Cardiol** 1985 Feb;8(2):93–103

Potential prevention of myocardial rupture resulting from acute myocardial infarction. Nakano T, et al. **Clin Cardiol** 1985 Apr;8(4):199–204

Right-to-left interatrial shunt secondary to an extensive right ventricular myocardial infarction. Wendel CH, et al. **Clin Cardiol** 1985 Apr;8(4):230–2

Extended verapamil infusion for recurrent atrial tachyarrhythmias complicating acute myocardial infarction. Haug MT 3d, et al. **Clin Pharm** 1984 Sep–Oct; 3(5):540–4

Surgical treatment of post infarction left ventricular aneurysms. Rabotnikov VS, et al. **Cor Vasa** 1984; 26(5):366–75

Surgical repair of acute postinfarction cardiac rupture. Hamerlijnck R, et al. **Crit Care Med** 1985 Apr;13(4):244–5

Methods for the control of diabetes after acute myocardial infarction. Husband DJ, et al. **Diabetes Care** 1985 May–Jun; 8(3):261–7

Malignant arrhythmias in acute myocardial infarction. Relationship to serum potassium and effect of selective and non-selective beta-blockade. Johansson BW, et al. **Drugs** 1984 Oct;28 Suppl 1:77–85

Ventricular arrhythmias in patients with myocardial infarction and ischaemia. Relationship to serum potassium and magnesium. Solomon RJ. **Drugs** 1984 Oct;28 Suppl 1:66–76

The QRS morphology in post-myocardial infarction ventricular tachycardia. A study of 100 tracings compared with 70 cases of idiopathic ventricular tachycardia. Coumel P, et al. **Eur Heart J** 1984 Oct;5(10):792–805

Pre- and in-hospital antiarrhythmic prevention of ventricular fibrillation complicating acute myocardial infarction. Lie KI. **Eur Heart J** 1984 Sep;5 Suppl B:95–7

Epicardial, endocardial and transmural mapping in assessing electrophysiological effects of 14–C lidocaine and 14–C propafenone on activation times in experimental chronic myocardial infarction. Correlations with myocardial drugs concentrations. Naccarella FF, et al. **G Ital Cardiol** 1984 Oct;14(10):825–9

Exertional hypotension after myocardial infarction. Opasich C, et al. **G Ital Cardiol** 1984 Aug;14(8):614–7

A comparison of plasma renin activity levels in patients with and without congestive heart failure after myocardial infarction. Sanders JB, et al. **Heart Lung** 1985 Jan;14(1):1–8

Association of eosinophils with cardiac rupture. Atkinson JB, et al. **Hum Pathol** 1985 Jun;16(6):562–8

Ventricular septal rupture following acute myocardial infarction: contrast two-dimensional echocardiographic diagnosis. Desai AG, et al. **Indian Heart J** 1985 Mar–Apr; 37(2):110–2

Corrected QT interval (QTc) and its relationship with fatal ventricular tachyarrhythmias and sudden death in acute myocardial infarction. Gupta PR, et al. **Indian Heart J** 1984 May–Jun;36(3):166–8

Lidocaine, mexiletine and propafenone in the treatment of arrhythmias complicating myocardial infarction. A case report. Aguglia F, et al. **Int J Cardiol** 1985 Mar;7(3):303–6

Lidocaine and prevention of ventricular fibrillation complicating acute myocardial infarction. Lie KI. **Int J Cardiol** 1985 Mar;7(3):321–5

Embolization following acute myocardial infarction. Weinreich DJ, et al. **Int J Cardiol** 1985 Apr;7(4):436–9

Severe hypoxemia due to shunting through a patent foramen ovale: a correctable complication of right ventricular infarction. Bansal RC, et al. **J Am Coll Cardiol** 1985 Jan; 5(1):188–92

Extracardiac left to right shunt in a patient with biventricular postinfarction rupture and pseudoaneurysm. Chiariello L, et al. **J Am Coll Cardiol** 1985 Jul;6(1):246–9

Nonfatal cardiac events and recurrent infarction in the year after acute myocardial infarction. Dwyer EM Jr, et al. **J Am Coll Cardiol** 1984 Oct;4(4):695–702

Acute infarction, left ventricular thrombus and systemic embolization: an approach to management [editorial] Ezekowitz MD. **J Am Coll Cardiol** 1985 Jun;5(6):1281–2

Importance of the pacing mode in the initiation of ventricular tachyarrhythmia in a canine model of chronic myocardial infarction. Mitamura H, et al. **J Am Coll Cardiol** 1985 Jul; 6(1):99–103

Doppler echocardiographic features of ventricular septal rupture in myocardial infarction. Miyatake K, et al. **J Am Coll Cardiol** 1985 Jan;5(1):182–7

Reentrant ventricular arrhythmias in the late myocardial infarction period. 12. Spontaneous versus induced reentry and intramural versus epicardial circuits. el-Sherif N, et al. **J Am Coll Cardiol** 1985 Jul;6(1):124–32

Effects of verapamil and lidocaine in a canine model of sudden coronary death. Temesy-Armos PN, et al. **J Am Coll Cardiol** 1985 Sep;6(3):674–81

Embolic potential of left ventricular thrombus after myocardial infarction: a two-dimensional echocardiographic study of 119 patients. Visser CA, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1276–80

Prediction of sudden death and spontaneous ventricular tachycardia in survivors of complicated myocardial infarction: value of the response to programmed stimulation using a maximum of three ventricular extrastimuli. Waspe LE, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1292–301

Effects of reperfusion on complete heart block complicating anterior myocardial infarction. Wilber D, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1315–21

Painless myocardial infarction in diabetes mellitus [letter] Tondon R, et al. **J Assoc Physicians India** 1984 Aug; 32(8):761

The antiarrhythmic actions of intravenous and oral UM424 in postinfarction canine myocardium. Gibson JK, et al. **J Cardiovasc Pharmacol** 1985 Mar–Apr;7(2):211–8

Acute post-infarction left ventricle rupture. Five operations with three long-term survivals. Kretz JG, et al. **J Cardiovasc Surg (Torino)** 1985 May–Jun;26(3):244–7

Ventricular fibrillation and transient arrhythmias after defibrillation in patients with acute myocardial infarction. Geuze RH, et al. **J Electrocardiol** 1984 Oct;17(4):353–60

Bacteroides fragilis isolated post mortem from an abscess in a myocardial infarct. Richards J. **J Infect** 1985 May; 10(3):268–71

Thallium 201 exercise scintigraphy for detection of multivessel coronary artery disease after transmural myocardial infarction. Ahmadpour H, et al. **J Natl Med Assoc** 1984 Dec;76(12):1193–200

Surgical management of refractory ventricular arrhythmias in patients with prior inferior myocardial infarction. A preliminary report. Ivey TD, et al. **J Thorac Cardiovasc Surg** 1985 Mar;89(3):369–77

Sudden blowout rupture of the myocardium after infarction: urgent management. Report of four cases. McMullan MH, et al. **J Thorac Cardiovasc Surg** 1985 Feb;89(2):259–63

Successful repair of concomitant tear of the interventricular septum and right ventricular free wall after acute myocardial infarction. Merin G, et al. **J Thorac Cardiovasc Surg** 1985 Jul;90(1):145–6

Myocardial infarction complicated by myocardial rupture and Bacteroides sepsis. Mills SA, et al. **J Thorac Cardiovasc Surg** 1985 Jun;89(6):945–7

Operation for acute postinfarction mitral insufficiency and cardiogenic shock. Tepe NA, et al. **J Thorac Cardiovasc Surg** 1985 Apr;89(4):525–30

Ventricular tachycardia associated with acute myocardial infarction––features, therapeutic effect and prognosis. Hayakawa H, et al. **Jpn Circ J** 1985 Mar;49(3):362–9

Successful surgical repair of left ventricular rupture after acute myocardial infarction. Miyamura H, et al. **Jpn Circ J** 1984 Nov;48(11):1215–21

Study of left ventricular function and myocardial viability in patients with left ventricular aneurysm developed after myocardial infarction. A comparative study of medical and surgical therapy. Yabe Y, et al. **Jpn Heart J** 1985 Jan; 26(1):53–68

Conjugated hyperbilirubinemia in an autopsy case with myocardial infarction and sepsis. Takikawa H, et al. **Jpn J Med** 1984 Aug;23(3):258–60

The effect of intraaortic balloon pumping (IABP) on cardiogenic shock due to acute myocardial infarction. Okada M, et al. **Kobe J Med Sci** 1984 Aug;30(3–4):35–51

Prevention of ventricular fibrillation during acute myocardial infarction by intravenous propranolol. Norris RM, et al. **Lancet** 1984 Oct 20;2(8408):883–6

Multiple fractures associated with myocardial infarction [letter] Breit R. **Med J Aust** 1985 Jan 21;142(2):165

Management of ventricular fibrillation during acute myocardial infarction. Northover BJ. **Methods Inf Med** 1984 Oct;23(4):209–13

Factors favoring certain complications of acute myocardial infarction. Rupture, aneurysm and false aneurysm of left ventricle. Nakajima H, et al. **Minn Med** 1985 Apr; 68(4):291–5

Use of the initial electrocardiogram to predict in-hospital complications of acute myocardial infarction [letter] **N Engl J Med** 1985 Sep 12;313(11):692–4

Ventricular aneurysm formation after infarction [letter] **N Engl J Med** 1985 Jan 31;312(5):314

Infarction-associated pericarditis [letter] **N Engl J Med** 1985 Feb 28;312(9):584–5

Use of the initial electrocardiogram to predict in-hospital complications of acute myocardial infarction. Brush JE Jr, et al. **N Engl J Med** 1985 May 2;312(18):1137–41

Infarction-associated pericarditis. Rarity of diagnostic electrocardiogram. Krainin FM, et al. **N Engl J Med** 1984 Nov 8;311(19):1211–4

Functional left ventricular aneurysm formation after acute anterior transmural myocardial infarction. Incidence, natural history, and prognostic implications. Meizlish JL, et al. **N Engl J Med** 1984 Oct 18;311(16):1001–6

Pain relief in myocardial infarction after continuous epidural morphine analgesia [letter] Skoeld M, et al. **N Engl J Med** 1985 Mar 7;312(10):650

Myocardial infarction and stroke. Komrad MS, et al. **Neurology** 1984 Nov;34(11):1403–9

Impact of a health education program and other factors on stopping smoking after heart attack. Salonen JT, et al. **Scand J Soc Med** 1985;13(3):103–8

Purulent pericarditis following myocardial infarction. O'Neill D, et al. **Scott Med J** 1984 Jul;29(3):191–2

Dynamic evaluation of short-term prognosis after myocardial infarction. Hougaard P, et al. **Stat Med** 1985 Jan–Mar; 4(1):29–38

Surgical treatment of the post-infarction left ventricular aneurysm. Factors influencing early and late results. Gonzalez-Santos JM, et al. **Thorac Cardiovasc Surg** 1985 Apr;33(2):86–93

The surgical management of all the mechanical complications of myocardial infarction in the same patient. Lukács L, et al. **Thorac Cardiovasc Surg** 1985 Feb;33(1):53–4

Painless myocardial infarction in diabetics. Yoshino H, et al. **Tohoku J Exp Med** 1983 Dec;141 Suppl:547–54

Postoperative cardiac complications in patients with a history of myocardial infarction. Kitahata H, et al. **Tokushima J Exp Med** 1984 Dec;31(3–4):61–6

Complications of myocardial infarction. Cockins KA, et al. **W Va Med J** 1985 Mar;81(3):57–60

Successful treatment of profound left ventricular failure by automatic left ventricular assist system. Takano H, et al. **World J Surg** 1985 Feb;9(1):78–88

Haemodynamic studies with muzolimine in left ventricular failure complicating acute myocardial infarction. Verma SP, et al. **Z Kardiol** 1985;74 Suppl 2:37–42

[Combined acute myocardial infarct and pulmonary thromboembolism with fatal outcome] Tomov I, et al. **Vutr Boles** 1985;24(1):78–85 (Eng. Abstr.) **(Bul)**

[Intravenous nitroglycerin infusion for frequent anginal attacks after myocardial infarction] Zeng ZQ. **Chung Hua Nei Ko Tsa Chih** 1984 Sep;23(9):551–3 (Eng. Abstr.) **(Chi)**

[Clinicopathological analysis of cardiac rupture complicating acute myocardial infarction] Liu KS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Feb; 6(1):21–4 (Eng. Abstr.) **(Chi)**

[Diabetes and disorders of saccharide tolerance in a 5-year study of patients after myocardial infarct] Válek J, et al. **Cas Lek Cesk** 1984 Dec 7;123(49):1504–8 (Eng. Abstr.) **(Cze)**

[Surgical treatment of postinfarction perforation of the interventricular septum] Firt P, et al. **Rozhl Chir** 1985 Mar; 64(3):164–8 (Eng. Abstr.) **(Cze)**

[Subacute heart perforation in acute myocardial infarct] Dvořák K, et al. **Vnitr Lek** 1984 Oct;30(10):961–7 (Eng. Abstr.) **(Cze)**

[Surgical treatment of post-infarct aneurysms of the left ventricle of the heart] Hejnal J, et al. **Vnitr Lek** 1985 Mar; 31(3):240–6 (Eng. Abstr.) **(Cze)**

[Prognosis in patients with recurrent ventricular tachycardia and ventricular fibrillation] Jedlička J, et al. **Vnitr Lek** 1985 Feb;31(2):113–8 (Eng. Abstr.) **(Cze)**

[Complications, mortality and time of discharge in acute myocardial infarct] Horwitz N, et al. **Ugeskr Laeger** 1984 Jun 4;146(23):1714–8 (Eng. Abstr.) **(Dan)**

[Arrhythmias during the first 24 hours of hospitalization for the first episode of acute myocardial infarction] Schmidt EB, et al. **Ugeskr Laeger** 1985 May 27;147(22):1770–3 (Eng. Abstr.) **(Dan)**

[Cardiovascular risk factors in men (49 years old or younger) one year following the initial myocardial infarct] Barth JD, et al. **Ned Tijdschr Geneeskd** 1985 Jul 20;129(29):1378–81 (Eng. Abstr.) **(Dut)**

[Right ventricular infarction—a treatable form of cardiogenic shock] Lindroos M, et al. **Duodecim** 1985;101(14):1352–8 **(Fin)**

[Echocardiographic diagnosis of a rare mechanical complication of biventricular infarction. Rupture of the free wall of the right ventricle] Commeau P, et al. **Ann Cardiol Angeiol (Paris)** 1985 Jun;34(6):425–9 (Eng. Abstr.) **(Fre)**

[Surgical treatment of mechanical complications of myocardial infarction after 65 years of age] Donzeau-Gouge P, et al. **Ann Cardiol Angeiol (Paris)** 1984 Oct;33(6):379–83 (Eng. Abstr.) **(Fre)**

[Fissuration of post-infarction left ventricular aneurysms. 2 surgically treated cases] Ollitrault J, et al. **Ann Cardiol Angeiol (Paris)** 1985 Apr 30;34(4 Pt 2):297–301 (Eng. Abstr.) **(Fre)**

[Postinfarction rupture of left ventricular aneurysm. 6 cases] Bachet J, et al. **Ann Chir** 1984 Oct;38(7):488–90 (Eng. Abstr.) **(Fre)**

[Surgical repair of ruptures of the left ventricular free wall at the acute stage of myocardial infarction. Apropos of 2 cases] Leguerrier A, et al. **Ann Chir** 1984 Oct;38(7):491–3 (Eng. Abstr.) **(Fre)**

[Surgical revascularization for angina decubitus following myocardial infarction] Ponlot R, et al. **Ann Chir** 1985 Mar; 39(2):85–8 (Eng. Abstr.) **(Fre)**

[Surgical treatment of postinfarction mitral insufficiency. By the Working Group on Valve Diseases of the French Society of Cardiology] **Arch Mal Coeur** 1984 Sep; 77(9):1046–53 (Eng. Abstr.) **(Fre)**

[Parietal rupture of the heart in the acute phase of a postero-inferior myocardial infarction. Echocardiographic diagnosis, surgical cure] Allard-Latour G, et al. **Arch Mal Coeur** 1984 Nov;77(12):1403–6 (Eng. Abstr.) **(Fre)**

[Associated septal and intrapericardial rupture of the heart in the acute phase of myocardial infarction. Apropos of a case surgically treated with success] Couetil JP, et al. **Arch Mal Coeur** 1984 Aug;77(8):965–8 (Eng. Abstr.) **(Fre)**

[Emergency treatment of chronic ventricular tachycardia after myocardial infarction by endocavitary fulguration] Fontaine G, et al. **Arch Mal Coeur** 1985 Jul;78(7):1037–43 (Eng. Abstr.) **(Fre)**

[Time of occurrence of primary ventricular tachycardia in the acute phase of myocardial infarction] Juillard A, et al. **Arch Mal Coeur** 1984 Aug;77(8):880–6 (Eng. Abstr.) **(Fre)**

[Hemodynamic effects of phentolamine in acute and chronic mitral insufficiency after myocardial infarction] Renard M, et al. **Arch Mal Coeur** 1985 Jan;78(1):37–43 (Eng. Abstr.) **(Fre)**

[Post-infarct posterior aneurysm of the left ventricle. Apropos of a successful surgical case in an African] Coulibaly AO, et al. **Med Trop (Mars)** 1984 Apr–Jun; 44(2):159–64 (Eng. Abstr.) **(Fre)**

[Intraventricular thrombi and systemic embolisms in chronic-stage myocardial infarction] de Marneffe M, et al. **Rev Med Brux** 1985 Mar;6(3):145–9 (Eng. Abstr.) **(Fre)**

[Systemic embolisms in the acute phase of myocardial infarction] Renard M, et al. **Rev Med Brux** 1985 Mar; 6(3):141–3 (Eng. Abstr.) **(Fre)**

[Intracavitary thrombi in the acute phase of myocardial infarction] Van Kuyk M, et al. **Rev Med Brux** 1985 Mar; 6(3):135–9 (Eng. Abstr.) **(Fre)**

[Ventricular electric instability following acute myocardial infarct. Programmed ventricular stimulation] Materne P, et al. **Rev Med Liege** 1984 Dec 1;39(23):825–45 (81 ref.) **(Fre)**

[Clinical demonstrations: Heart rupture in acute myocardial infarct. Infectious endocarditis. Wolff-Parkinson-White syndrome] Nager F. **Schweiz Med Wochenschr** 1984 Dec 8;114(49):1788–805 (Eng. Abstr.) **(Ger)**

[Rare malposition of a temporary pacemaker] Meier F, et al. **Z Gesamte Inn Med** 1985 Apr 1;40(7):213–5 (Eng. Abstr.) **(Ger)**

[Therapy-refractory permanent ventricular tachycardia in the immediate postinfarct period––treatment using endomyocardial ventriculotomy] Borggrefe M, et al. **Z Kardiol** 1985 Feb;74(2):106–10 (Eng. Abstr.) **(Ger)**

[Acute aneurysm with prerupture of the left ventricle following inferior infarct] Goebel N, et al. **Z Kardiol** 1985 Mar;74(3):191–3 (Eng. Abstr.) **(Ger)**

[Comparative studies on the anti-arrhythmic and anti-fibrillatory effectiveness of verapamil and nifedipine following acute coronary artery occlusion and reperfusion] Gülker H, et al. **Z Kardiol** 1984 Aug;73(8):515–24 (Eng. Abstr.) **(Ger)**

[Follow-up of late potentials and complex tachycardiac arrhythmias following myocardial infarct over a 2-year period] Korsukewitz J, et al. **Z Kardiol** 1985 Apr; 74(4):213–9 (Eng. Abstr.) **(Ger)**

[Centrilobular liver necrosis associated with circulatory failure] Hegedüs C, et al. **Orv Hetil** 1984 Dec 2; 125(49):2971–7 (Eng. Abstr.) **(Hun)**

[Magnesium therapy of torsade de pointes ventricular tachycardia] Rudas L, et al. **Orv Hetil** 1985 May 12; 126(19):1167–8 (Eng. Abstr.) **(Hun)**

[Peripheral arterial embolic complications in acute myocardial infarct] Bernardi V, et al. **Ann Ital Chir** 1984; 56(3):297–304 **(Ita)**

[Different prognostic significance of ventricular tachycardia in patients with acute or previous myocardial infarction] Bonaduce D, et al. **Boll Soc Ital Cardiol** 1984 Mar–Apr; 29(3–4):195–201 (Eng. Abstr.) **(Ita)**

[Torsade de pointes induced by temporary electrical stimulation in a patient with acute inferior infarction] Fanelli R, et al. **Boll Soc Ital Cardiol** 1984 Mar–Apr; 29(3–4):257–60 (Eng. Abstr.) **(Ita)**

[Relations between prolongation of the QT interval and sudden cardiac death after myocardial infarct] Mayer MC, et al. **Boll Soc Ital Cardiol** 1984 Jul–Aug;29(7–8):415–22 (Eng. Abstr.) **(Ita)**

[Late ventricular arrhythmias in myocardial infarct. Relations with angiographic data] Mazzari M, et al. **Boll Soc Ital Cardiol** 1984 Jul–Aug;29(7–8):353–8 (Eng. Abstr.) **(Ita)**

[Different prognostic significance of ventricular tachycardias in patients with acute or previous myocardial infarct] Bonaduce D, et al. **Cardiologia** 1984 Mar–Apr; 29(3–4):195–201 (Eng. Abstr.) **(Ita)**

['Torsade de pointe' induced by temporary pacing in a patient with an acute myocardial infarction] Fanelli R, et al. **Cardiologia** 1984 Mar–Apr;29(3–4):257–60 (Eng. Abstr.) **(Ita)**

[Relation between prolongation of the QT interval and sudden cardiac death after myocardial infarct] Mayer MC, et al. **Cardiologia** 1984 Jul–Aug;29(7–8):415–22 (Eng. Abstr.) **(Ita)**

[Tardive ventricular arrhythmias in myocardial infarction. Reports with angiographic findings] Mazzari M, et al. **Cardiologia** 1984 Jul–Aug;29(7–8):353–8 (Eng. Abstr.) **(Ita)**

[Hypertension and acute myocardial infarct in the aged] Panuccio D, et al. **G Clin Med** 1984 Nov–Dec; 65(11–12):501–10 (Eng. Abstr.) **(Ita)**

[Ventricular fibrillation in the initial phase of acute myocardial infarct] Bertini G, et al. **G Ital Cardiol** 1985 Feb;15(2):169–76 (Eng. Abstr.) **(Ita)**

[Post-infarction myocardial scars: to cut or not to cut?] Fundarò P, et al. **G Ital Cardiol** 1985 Mar;15(3):336–9 **(Ita)**

[External post-infarction rupture of the heart. Retrospective anatomo-clinical analysis of 70 cases] Morpurgo M, et al. **G Ital Cardiol** 1985 Mar;15(3):324–33 (Eng. Abstr.) **(Ita)**

[Left ventricular aneurysm in recent myocardial infarction. Echocardiographic study] Pozzoli M, et al. **G Ital Cardiol** 1984 Dec;14(12):1006–14 (Eng. Abstr.) **(Ita)**

[The cardiologist's point of view toward post-infarction scars (editorial)] Rovelli F. **G Ital Cardiol** 1985 Mar;15(3):341–2 **(Ita)**

[External rupture of the necrotic area in myocardial infarction: resignation or necessity for reexamination? (editorial)] Thiene G. **G Ital Cardiol** 1985 Mar;15(3):334–5 **(Ita)**

[Sustained ventricular tachycardia in postinfarct ischemic heart disease: spontaneous polymorphism. Clinical, therapeutic and prognostic aspects] Vergara G, et al. **G Ital Cardiol** 1985 Feb;15(2):177–83 (Eng. Abstr.) **(Ita)**

[The surgeon's point of view toward post-infarction scars (editorial)] Viganò M. **G Ital Cardiol** 1985 Mar;15(3):339–41 **(Ita)**

[Usefulness of ECO 2-D in the identification of postinfarct aneurysms in aged patients with coronary diseases] Cacciapuoti F, et al. **Minerva Cardioangiol** 1984 Dec; 32(12):861–6 (Eng. Abstr.) **(Ita)**

[Neurovegetative manifestations: duodenal ulcer and myocardial infarct] Cefis M, et al. **Minerva Cardioangiol** 1985 May;33(5):243–7 (Eng. Abstr.) **(Ita)**

[Ventricular fibrillation caused by myocardial infarction refractory to electric shock and xylocaine. Positive response to intravenous mexiletine] Forzoni M, et al. **Minerva Cardioangiol** 1985 Mar;33(3):135–9 (Eng. Abstr.) **(Ita)**

[Significance of cardiac hypertrophy in heart rupture during acute myocardial infarction. Clinical and histopathological observations] Leone A. **Minerva Cardioangiol** 1984 Jul–Aug;32(7–8):441–4 (Eng. Abstr.) **(Ita)**

[Significance of the ST segment depression in precordial leads in lower myocardial infarct] Ceci V, et al. **Recenti Prog Med** 1985 May;76(5):254–9 (Eng. Abstr.) **(Ita)**

[Factors influencing the development of low output state in patients with right ventricular infarction] Goto Y, et al. **J Cardiogr** 1984 Jun;14(1):1–13 (Eng. Abstr.) **(Jpn)**

[Early non-invasive diagnosis of ventricular septal rupture following acute myocardial infarction: role of two-dimensional and pulsed Doppler echocardiography] Asaka T, et al. **Kokyu To Junkan** 1985 Jun;33(6):777–82 (Eng. Abstr.) **(Jpn)**

[A new parameter for congestive heart failure with AMI (acute myocardial infarction)––COP-PCW (colloid osmotic pressure-pulmonary capillary wedge pressure)] Doijiri K, et al. **Kokyu To Junkan** 1984 Dec;32(12):1301–6 (Eng. Abstr.) **(Jpn)**

[A case of left ventricular aneurysm with normal coronary arteries following acute myocardial infarction] Hamaguchi T, et al. **Kokyu To Junkan** 1985 Jan;33(1):107–12 (Eng. Abstr.) **(Jpn)**

[The pattern of angina prior to acute myocardial infarction in relation to acute complication, prognosis and the finding of coronary angiography] Hayasaki K, et al. **Kokyu To Junkan** 1985 Mar;33(3):345–50 (Eng. Abstr.) **(Jpn)**

[Post-infarction angina] Haze K, et al. **Kokyu To Junkan** 1984 Sep;32(9):913–20 (30 ref.) **(Jpn)**

[Mechanism of arrhythmia associated with myocardial infarction––based on experimental ischemic ventricular arrhythmia and bradyarrhythmia] Kasanuki H. **Kokyu To Junkan** 1984 Dec;32(12):1235–44 (121 ref.) **(Jpn)**

[Coronary sinus flow and myocardial oxygen consumption following left ventricular aneurysmectomy] Kawachi K, et al. **Kokyu To Junkan** 1984 Sep;32(9):931–5 (Eng. Abstr.) **(Jpn)**

[A case of single coronary artery complicated with myocardial infarction] Tanaka N, et al. **Kokyu To Junkan** 1984 Oct;32(10):1087–90 (Eng. Abstr.) **(Jpn)**

[Electrophysiological assessment of patients with recurrent ventricular tachycardia after myocardial infarction] Yokoi Y, et al. **Kokyu To Junkan** 1985 Jun;33(6):771–6 (Eng. Abstr.) **(Jpn)**

[Clinical conference at the Department of Cardiovascular Surgery, Tokyo Women's Medical College Hospital. 2. Case of myocardial infarction associated with ventricular tachycardia and atrial aneurysm] **Kyobu Geka** 1984 Sep; 37(10):819–22 **(Jpn)**

[A case of left ventricular aneurysm with normal coronary artery in mitral stenosis] Fujiwara T, et al. **Kyobu Geka** 1984 Aug;37(9 Suppl):718–21 (Eng. Abstr.) **(Jpn)**

[Emergency anesthesia of a patient with acute myocardial infarction complicated with perforation of the ventricular septum] Ikeda T, et al. **Masui** 1985 Feb;34(2):236–40 (Eng. Abstr.) **(Jpn)**

[Treatment of post-infarction ventricular septal perforation] Yasuura K, et al. **Nippon Geka Gakkai Zasshi** 1985 Jan; 86(1):51–4 (Eng. Abstr.) **(Jpn)**

[Effects of pulmonary artery balloon pumping on acute right ventricular failure complicated by right ventricular infarction] Yamauchi S. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Nov; 32(11):1893-901 (Eng. Abstr.) **(Jpn)**

[A case of polycythemia vera with myocardial infarction transformed to acute myelogenous leukemia accompanied with gas gangrene] Shio H, et al. **Nippon Naika Gakkai Zasshi** 1984 Jul;73(7):1022–7 **(Jpn)**

[Multiple organ failure in postinfarction ventricular septal perforation––with special reference to kidney failure] Nishida H, et al. **Rinsho Kyobu Geka** 1984 Sep;4(5):593–602 (Eng. Abstr.) **(Jpn)**

[An unusual cardiac rupture after infarction] Solberg S, et al. **Tidsskr Nor Laegeforen** 1985 May 30;105(15):1058–9 (Eng. Abstr.) **(Nor)**

[Our experience with the treatment of cardiogenic shock in recent myocardial infarction with dopamine and sodium nitroprusside] Korewicki J, et al. **Kardiol Pol** 1984; 27(5):345–51 (Eng. Abstr.) **(Pol)**

[Surgical treatment for rupture of an extensive left-ventricular aneurysm in the area of the interventricular septum in acute myocardial infarction] Pietrzak M, et al. **Kardiol Pol** 1984;27(9):753–60 (Eng. Abstr.) **(Pol)**

[Value of the anamnesis, exertion electrocardiogram and perfusion scintigraphy in the diagnosis of ischemic heart disease in patients after myocardial infarct or revascularization] Tendera M, et al. **Kardiol Pol** 1984; 27(6):433–41 (Eng. Abstr.) **(Pol)**

[Clinical and hemodynamic evaluation of post-infarct heart aneurysms. Indications and results in aneurysmectomy] Tracz W, et al. **Kardiol Pol** 1984;27(10):795–804 (Eng. Abstr.) **(Pol)**

[Value of radioisotope angiocardiography by the 'gate technic' for qualifying the patients for excision of post-infarction aneurysm of the left ventricle] Pawlowski W, et al. **Pol Tyg Lek** 1985 Mar 11;40(10):289–91 (Eng. Abstr.) **(Pol)**

[Clinical analysis of rupture of the free left ventricular wall in recent myocardial infarction] Opolski G, et al. **Wiad Lek** 1985 Apr 1;38(7):485–9 (Eng. Abstr.) **(Pol)**

[Myocardial infarction complicated by bifascicular block (posterior fascicle of the left and right branches of the bundle of His - LPH + RBBB) with disorders of atrioventricular conduction] Sterkowicz W, et al. **Wiad Lek** 1985 Apr 1;38(7):520–2 (Eng. Abstr.) **(Pol)**

[Rupture of the interventricular septum after acute myocardial infarction] Nesralla IA, et al. **Arq Bras Cardiol** 1984 Dec;43(6):377–80 (Eng. Abstr.) **(Por)**

[Temporary endocavitary electrical cardiac stimulation in arrhythmias in acute myocardial infarct] Georgescu G, et al. **Rev Med Interna [Med Interna]** 1985 Mar–Apr; 37(2):123–30 (Eng. Abstr.) **(Rum)**

[Premonitory clinical elements in heart rupture in myocardial infarct] Ispas R, et al. **Rev Med Interna [Med Interna]** 1985 Mar–Apr;37(2):119–22 (Eng. Abstr.) **(Rum)**

[Heart failure in acute myocardial infarct] Mihail A, et al. **Rev Med Interna [Med Interna]** 1984 Jul–Aug;36(4):309–16 (Eng. Abstr.) **(Rum)**

[Clinical, evolutive, therapeutic and pathogenetic characteristics of atrioventricular blocks in acute inferior myocardial infarct] Olinic N, et al. **Rev Med Interna [Med Interna]** 1985 Mar–Apr;37(2):105–12 (Eng. Abstr.) **(Rum)**

[Pericardiac, pleural and pulmonary complications in acute myocardial infarct] Vlaicu R, et al. **Rev Med Interna [Med Interna]** 1985 Mar–Apr;37(2):97–104 (Eng. Abstr.) **(Rum)**

[Corinfar test for evaluating the degree of cardiac insufficiency in the acute period of myocardial infarction] Mikhaĭlovich VA, et al. **Anesteziol Reanimatol** 1985 Jan–Feb;(1):51–3 (Eng. Abstr.) **(Rus)**

[Dynamics of experimental myocardial infarct complicated by cardiogenic shock during treatment with neuroleptanalgesia] Gordadze NG, et al. **Arkh Patol** 1985; 47(4):27–35 (Eng. Abstr.) **(Rus)**

[Possible role of lipid peroxidation in the pathogenesis of arrhythmias in myocardial infarct] Didenko VV. **Biull Eksp Biol Med** 1985 Jun;99(6):647–9 (Eng. Abstr.) **(Rus)**

[Prevention of disorders in the contractile function of the nonischemic portion of the heart during infarction by preliminary adaptation to brief stress exposures] Meerson FZ, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):667–9 (Eng. Abstr.) **(Rus)**

[Postmortem diagnosis of ventricular fibrillation in acute coronary insufficiency] Aleksandri AL, et al. **Kardiologiia** 1984 Dec;24(12):62–5 (Eng. Abstr.) **(Rus)**

[Recurrent cardiac crises in patients with post-infarction cardiosclerosis] Churin VD, et al. **Kardiologiia** 1984 Nov; 24(11):54–7 (Eng. Abstr.) **(Rus)**

[Cardiogenic shock in acute myocardial infarct patients] Gritsiuk AI, et al. **Kardiologiia** 1984 Sep;24(9):19–26 (Eng. Abstr.) **(Rus)**

[Intracardiac thrombosis in post-infarction heart aneurysm] Konstantinov BA, et al. **Kardiologiia** 1984 Oct;24(10):45–9 (Eng. Abstr.) **(Rus)**

[Limitation of disorders of the contractile function of the nonischemic areas of the myocardium during infarct by using the delta-sleep peptide and its cyclic derivative] Meerson FZ, et al. **Kardiologiia** 1985 May;25(5):84–8 (Eng. Abstr.) **(Rus)**

[Intracardiac hemodynamics in patients with a postinfarct intraventricular septal defect] Petrosian IuS, et al. **Kardiologiia** 1984 Sep;24(9):51–3 (Eng. Abstr.) **(Rus)**

[Clinico-hemodynamic correlations in patients with a postinfarct aneurysm of the left ventricle] Rabkin IKh, et al. **Kardiologiia** 1985 May;25(5):20-3 (Eng. Abstr.) **(Rus)**

[Unresolved problems of the pathogenesis of heart failure in myocardial infarct] Solov'ev VV, et al. **Kardiologiia** 1984 Sep;24(9):14-8 (23 ref.) (Eng. Abstr.) **(Rus)**

[Prevention of primary ventricular fibrillation in the acute period of myocardial infarction with trimecaine] Nesterov IuI, et al. **Klin Med (Mosk)** 1985 Feb;63(2):42-3 **(Rus)**

[Transmural myocardial infarct and heart rupture] Tarasov AN, et al. **Klin Med (Mosk)** 1984 Nov;62(11):51-4 (Eng. Abstr.) **(Rus)**

[Changes in oxygen consumption during physical training of patients with post-infarction cardiosclerosis] Vasil'ev AP. **Klin Med (Mosk)** 1984 Oct;62(10):41-4 **(Rus)**

[Prevention of heart contractile function disorders in myocardial infarct by preliminary adaptation to brief stress exposures] Meerson FZ, et al. **Patol Fiziol Eksp Ter** 1985 May-Jun;(3):9-13 (Eng. Abstr.) **(Rus)**

[Myocardial infarction in persons over 70 years of age] Mikhaĭlov AA, et al. **Sov Med** 1985;(4):73-6 **(Rus)**

[Use of vasodilators in post-infarction mitral insufficiency] Mikhaĭlov AA, et al. **Sov Med** 1984;(11):3-7 (Eng. Abstr.) **(Rus)**

[Peripheral vasodilator in cardiac insufficiency in the acute period of myocardial infarction] Ruksin VV. **Sov Med** 1985;(2):54-6 **(Rus)**

[Role of certain factors in thrombus formation in patients with myocardial infarct complicated by an acute aneurysm] Charchoglian RA, et al. **Ter Arkh** 1985;57(4):81-6 (Eng. Abstr.) **(Rus)**

[Diagnosis of thrombosis of the left ventricle in patients with acute myocardial infarction using 2-dimensional echocardiography] Chikvashvili DI, et al. **Ter Arkh** 1984;56(8):26-9 (Eng. Abstr.) **(Rus)**

[Rupture of the interventricular septum associated with myocardial infarction of the left and right ventricles] Denisenko BA, et al. **Ter Arkh** 1985;57(5):72-4 (Eng. Abstr.) **(Rus)**

[Case of suppuration of myocardial infarct in the subacute period] Nesterov IuI, et al. **Ter Arkh** 1985;57(4):129 **(Rus)**

[Quantitative evaluation of disorders of total and regional contractile function in patients with left ventricular postinfarct aneurysm using computed 2-dimensional echocardiography] Ruda MIa, et al. **Ter Arkh** 1985;57(4):110-5 **(Rus)**

[Evaluation of myocardial reserve in patients with post-infarction heart aneurysm] Tkachenko VM. **Ter Arkh** 1985;57(5):75-9 (Eng. Abstr.) **(Rus)**

[Ventricular pre-excitation syndrome in acute myocardial infarction] Briskin VR, et al. **Vrach Delo** 1985 May;(5):68-70 (Eng. Abstr.) **(Rus)**

[The pain syndrome in patients with a history of myocardial infarction] Karbovnichaia NM. **Vrach Delo** 1985 Apr;(4):16-9 (Eng. Abstr.) **(Rus)**

[Pathogenesis and pathomorphology of cardiogenic shock in myocardial infarction in middle-aged and elderly patients] Rozenberg VD. **Vrach Delo** 1985 Mar;(3):33-6 (Eng. Abstr.) **(Rus)**

[Formation, fixation and reproduction of temporary connections in the rat after experimental myocardial infarction] Davydov VV, et al. **Zh Vyssh Nerv Deiat** 1984 Nov-Dec;34(6):1174-5 **(Rus)**

[Correlation of noninvasive parameters of myocardial function in patients with postinfarction cardiomyopathy] Ilić S, et al. **Srp Arh Celok Lek** 1984 Apr;112(4):469-79 (Eng. Abstr.) **(Scc)**

[Ventricular fibrillation as a complication in acute myocardial infarct. A retrospective study from 1977 to 1982] Grubišić-Cabo S, et al. **Lijec Vjesn** 1985 Feb;107(2):67-70 (Eng. Abstr.) **(Scr)**

[Hypovolemic shock in acute myocardial infarct] Nikolić V, et al. **Lijec Vjesn** 1984 Oct;106(10):417-21 (Eng. Abstr.) **(Scr)**

[Ventricular septal defect as a complication of acute myocardial infarct] Loja J, et al. **Bratisl Lek Listy** 1985 Aug;84(2):170-4 (Eng. Abstr.) **(Slo)**

[Mitral insufficiency of ischemic origin. Surgical experience] Mestres CA, et al. **Rev Esp Cardiol** 1984 May-Jun;37(3):201-3 (Eng. Abstr.) **(Spa)**

[Sick sinus syndrome in the subacute phase of myocardial infarct] Rubio R, et al. **Rev Esp Cardiol** 1984 Nov-Dec;37(6):434-9 (Eng. Abstr.) **(Spa)**

[Heart rupture in myocardial infarction] Dellborg M, et al. **Lakartidningen** 1984 Nov 14;81(46):4296-303 (Eng. Abstr.) **(Swe)**

CONGENITAL

[Myocardial infarct in a newborn infant] Baldew IM, et al. **Tijdschr Kindergeneeskd** 1984 Jun;52(3):107-10 (Eng. Abstr.) **(Dut)**

DIAGNOSIS

Deoxycytidylate deaminase in the diagnosis of acute myocardial infarction. Georgiades C, et al. **Acta Cardiol (Brux)** 1985;40(2):247-54

Correlation between electrocardiographically and enzymatically estimated infarct size and its relation to clinical course in inferior myocardial infarction. Herlitz J, et al. **Acta Cardiol (Brux)** 1984;39(6):437-48

Isolated right ventricular infarction followed by posterior left ventricular infarction after a few days. Singhal AM, et al. **Acta Cardiol (Brux)** 1984;39(4):307-12

The prognosis for patients referred with suspected acute myocardial infarction. Engby B, et al. **Acta Med Scand** 1985;217(5):465-71

The significance of ST and T changes for the development of coronary events in patients with acute coronary chest pain, treated in a coronary care unit without verified acute myocardial infarction. Lindberg K, et al. **Acta Med Scand** 1985;217(5):559-65

Two-dimensional echocardiography versus surface electrocardiography for the diagnosis of acute non-Q wave myocardial infarction. Arvan S, et al. **Am Heart J** 1985 Jul;110(1 Pt 1):44-9

Nuclear magnetic resonance analysis of acute myocardial infarction in dogs: the effects of transient coronary ischemia of varying duration and reperfusion on spin lattice relaxation times. Brown JJ, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):486-90

Noninvasive diagnosis of right ventricular infarction [letter] Garty I, et al. **Am Heart J** 1985 Jun;109(6):1405-6

Isolated right ventricular infarction [letter] Garty I, et al. **Am Heart J** 1985 Jun;109(6):1404-5

Evaluation of patients with acute myocardial infarction: which test, for whom and why? Iskandrian AS, et al. **Am Heart J** 1985 Feb;109(2):391-4

Noninvasive assessment of left ventricular wall motion abnormalities by QRS isointegral maps in previous anterior infarction. Kubota I, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):464-71

Electrocardiographic evidence suggestive of myocardial infarction without significant organic heart disease. Proudfit WL, et al. **Am Heart J** 1985 Aug;110(2):448-52

Differentiation between acute and healed myocardial infarction by signal averaging and color encoding two-dimensional echocardiography. Chandraratna PA, et al. **Am J Cardiol** 1985 Sep 1;56(7):381-4

Measurement of myocardial infarct size by technetium pyrophosphate single-photon tomography. Corbett JR, et al. **Am J Cardiol** 1984 Dec 1;54(10):1231-6

Evaluation of a QRS scoring system for estimating myocardial infarct size. V. Specificity and method of application of the complete system. Hindman NB, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1485-90

Assessment of potentially salvageable myocardium during acute myocardial infarction: use of postextrasystolic potentiation. Hodgson JM, et al. **Am J Cardiol** 1984 Dec 1;54(10):1237-44

Aortic dissection masquerading as acute myocardial infarction: implication for thrombolytic therapy without cardiac catheterization. Satler LF, et al. **Am J Cardiol** 1984 Nov 1;54(8):1134-5

Electrocardiographic, enzymatic and scintigraphic criteria of acute myocardial infarction as determined from study of 726 patients (A MILIS Study). Turi ZG, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1463-8

Importance of the terminal portion of the QRS in the electrocardiographic diagnosis of inferior myocardial infarction. Warner RA, et al. **Am J Cardiol** 1985 Apr 1;55(8):896-9

The diagnosis of myocardial infarction by computer-derived protocol in a municipal hospital. Poretsky L, et al. **Angiology** 1985 Mar;36(3):165-70

Batteries not included [letter] Frank M. **Ann Emerg Med** 1985 May;14(5):485

Left tension pneumothorax masquerading as anterior myocardial infarction. Werne CS, et al. **Ann Emerg Med** 1985 Feb;14(2):164-6

Acute chest pain in the emergency room. Identification and examination of low-risk patients. Lee TH, et al. **Arch Intern Med** 1985 Jan;145(1):65-9

Risk stratification. A cost-effective approach to the treatment of patients with chest pain [editorial] Plotnick GD, et al. **Arch Intern Med** 1985 Jan;145(1):41-2

The Selvester QRS scoring system for estimating myocardial infarct size. The development and application of the system. Selvester RH, et al. **Arch Intern Med** 1985 Oct;145(10):1877-81

Diagnosing atrial infarction [letter] Spodick DH. **Arch Intern Med** 1984 Dec;144(12):2429

Echocardiography in the coronary care unit. Woolridge JD. **Australas Radiol** 1984 Nov;28(4):339-40

Electrocardiogram of the month. Acute right ventricular infarction. Johnson CD. **Bol Asoc Med PR** 1985 Mar;77(3):109-11

Early exercise testing and elective coronary artery bypass surgery after uncomplicated myocardial infarction. Effect on morbidity and mortality. Akhras F, et al. **Br Heart J** 1984 Oct;52(4):413-7

Predictive value and limitations of the ST/HR slope. Ameisen O, et al. **Br Heart J** 1985 May;53(5):547-51

Quantitative influence of serum creatine kinase isoenzyme MB estimated infarct size and other prognostic variables on one year mortality after acute myocardial infarction. Grande P, et al. **Br Heart J** 1985 Jan;53(1):9-15

Prognostic significance of left ventricular ejection fraction after acute myocardial infarction. A bedside radionuclide study. Kelly MJ, et al. **Br Heart J** 1985 Jan;53(1):16-24

Submaximal exercise testing early after myocardial infarction [letter] Wilkes N, et al. **Br Heart J** 1985 Feb;53(2):236

Suspected myocardial infarction: early diagnostic value of analgesic requirements. Baker P. **Br Med J [Clin Res]** 1985 Jan 5;290(6461):27

The silent coronary [editorial] Bayliss RI. **Br Med J [Clin Res]** 1985 Apr 13;290(6475):1093-4

A somatic component to myocardial infarction. Nicholas AS, et al. **Br Med J [Clin Res]** 1985 Jul 6;291(6487):13-7

Duration of chest pain associated with acute myocardial infarction: a predictor of long-term prognosis. Ledwich JR, et al. **Can Med Assoc J** 1985 Feb 1;132(3):249-51

Electrocardiographic ST-T wave patterns, extent of coronary artery disease, and left ventricular performance following non-Q-wave myocardial infarction. Gash AK, et al. **Cathet Cardiovasc Diagn** 1985;11(3):223-33

A simplified QRS scoring system for the estimation of the severity of acute inferior wall myocardial infarction. Arditti A, et al. **Chest** 1985 Jun;87(6):778-84

Right ventricular dysfunction in acute inferoposterior myocardial infarction. An echocardiographic and isotopic study. Arditti A, et al. **Chest** 1985 Mar;87(3):307-14

Electrocardiographic and vectorcardiographic diagnosis of posterior wall myocardial infarction. Significance of the T wave. Eisenstein I, et al. **Chest** 1985 Sep;88(3):409-16

Non-Q wave myocardial infarction. Pathophysiology and prognostic implications. Moreno P, et al. **Chest** 1984 Dec;86(6):905-9

The two out of three criteria for the diagnosis of infarction. Is it passe? [editorial] Roberts R. **Chest** 1984 Oct;86(4):511-3

Comparative predictive value of ST-segment depression or angina during early and repeat postinfarction exercise tests. Starling MR, et al. **Chest** 1984 Dec;86(6):845-9

Early loss of postextrasystolic potentiation in acutely ischemic myocardium: evaluation by contrast two-dimensional echocardiography. Force T, et al. **Circulation** 1985 Mar;71(3):602-9

The delayed diagnosis of myocardial infarction: it took half a century! Fye WB. **Circulation** 1985 Aug;72(2):262-71

Assessment of myocardial ischemia with proton magnetic resonance: effects of a three hour coronary occlusion with and without reperfusion. Johnston DL, et al. **Circulation** 1985 Mar;71(3):595-601

Detection and characterization of acute myocardial infarction in man with use of gated magnetic resonance. McNamara MT, et al. **Circulation** 1985 Apr;71(4):717-24

Early detection of canine myocardial infarction by magnetic resonance imaging in vivo. Pflugfelder PW, et al. **Circulation** 1985 Mar;71(3):587-94

Clinical, angiographic, and electrophysiologic findings in patients with aborted sudden death as compared with patients with sustained ventricular tachycardia after myocardial infarction. Stevenson WG, et al. **Circulation** 1985 Jun;71(6):1146-52

Echocardiographically detected dyskinesis, myocardial infarct size, and coronary risk region relationships in reperfused canine myocardium. Taylor AL, et al. **Circulation** 1985 Jun;71(6):1292-300

Value of exercise electrocardiography to predict additional jeopardized myocardial regions remote from site of previous myocardial infarction. Bamrah VS, et al. **Clin Cardiol** 1985 Jul;8(7):391-8

Myocardial infarction in the diabetic patient. Kereiakes DJ. **Clin Cardiol** 1985 Aug;8(8):446-50

Values of electrocardiography and two-dimensional echocardiography to identify myocardial infarction due to left circumflex and right coronary artery disease. Ogawa S, et al. **Clin Cardiol** 1985 May;8(5):269-75

Immunoenzymetric assay for creatine kinase MB with subunit-specific monoclonal antibodies compared with an immunochemical method and electrophoresis. Chan DW, et al. **Clin Chem** 1985 Mar;31(3):465-9

Probably myocardial infarction in a 14-year-old boy. Feld RD. **Clin Chem** 1985 Mar;31(3):480-1

Plasma creatine kinase/aspartate aminotransferase ratio in the diagnosis of acute myocardial infarction [letter] Garcin-Webb P, et al. **Clin Chem** 1985 Mar;31(3):498-9

Better quality control of serum CK-MB determinations [letter] Ng RH, et al. **Clin Chem** 1984 Oct;30(10):1720-1

Comparison of enzyme immunoassay and immunoprecipitation for creatine kinase MB in diagnosis of acute myocardial infarction. Wu AH, et al. **Clin Chem** 1985 Mar;31(3):470-4

Semi-quantitative estimation of serum myoglobin by a rapid latex agglutination method: an emergency screening test for acute myocardial infarction. Chapelle JP, et al. **Clin Chim Acta** 1985 Jan 30;145(2):143-50

Myocardial infarction diagnosis with body surface potential mapping, electrocardiography, vectorcardiography and thallium-201 scintigraphy: a correlative study with left ventriculography. Ackaoui A, et al. **Clin Invest Med** 1985;8(1):68-77

Creatine kinase MB in skeletal muscle and serum of spine-fusion patients. Healey JH, et al. **Clin Orthop** 1985 May;(195):282-8

Prognostic contributions of exercise testing to the evaluation of myocardial infarction patients. Naughton J. **Compr Ther** 1984 Sep;10(9):37-41

Real-time serial analysis of infarctional changes in the vectorcardiogram. Grøttum P. **Comput Biomed Res** 1985 Jun;18(3):205-19

Predictors of myocardial infarction in emergency room patients. Tierney WM, et al. **Crit Care Med** 1985 Jul;13(7):526-31

Right ventricular infarction: an important clinical entity.

Dell'Italia LJ, et al. **Curr Probl Cardiol** 1984 Dec;9(9):1–72 (130 ref.)

Ineligibility for predischarge exercise testing after myocardial infarction in the elderly: implications for prognosis. Deckers JW, et al. **Eur Heart J** 1984 Nov;5 Suppl E:97–100

New electrocardiographic criteria for inferior myocardial infarction. Feneley MP, et al. **Eur Heart J** 1984 Oct; 5(10):806–13

Predischarge stress test after myocardial infarction in the old age: results and prognostic value. Fioretti P, et al. **Eur Heart J** 1984 Nov;5 Suppl E:101–4

A comparison of the Naughton and modified Bruce treadmill exercise protocols in their ability to detect ischaemic abnormalities six weeks after myocardial infarction. Handler CE, et al. **Eur Heart J** 1984 Sep;5(9):752–5

Contribution of electrocardiograms, serum enzymes and history of chest pain to the diagnosis of acute myocardial infarction—a community-based register study in North Karelia, Finland, 1972–1981. Mustaniemi H, et al. **Eur Heart J** 1985 Jan;6(1):21–8

Exercise test in patients over 65 years of age after the first myocardial infarction. Podczeck A, et al. **Eur Heart J** 1984 Nov;5 Suppl E:89–92

Early post-myocardial infarction exercise testing in subjects 70 years or more of age. Functional and prognostic evaluation. Saunamäki KI. **Eur Heart J** 1984 Nov;5 Suppl E:93–6

Recurrent myocardial infarction. 2. Possibilities of prediction. Ulvenstam G, et al. **Eur Heart J** 1985 Apr;6(4):303–11

Thallium-201 exercise testing in patients 6–8 weeks after myocardial infarction: limited value for the detection of multivessel disease. van der Wall EE, et al. **Eur Heart J** 1985 Jan;6(1):29–36

The entry ECG in the early diagnosis and prognostic stratification of patients with suspected acute myocardial infarction. Yusuf S, et al. **Eur Heart J** 1984 Sep;5(9):690–6

Diagnostic tests for MI: efficacy and cost containment. Fisher ML, et al. **Hosp Pract [Off]** 1984 Nov;19(11):195–203, 207, 213

The use of unipolar epicardial QRS potentials to estimate myocardial infarction. Laxer C, et al. **IEEE Trans Biomed Eng** 1985 Jan;32(1):64–7

The use of two-dimensional echocardiograms in the detection of myocardial infarction in canines. Mastrototaro JJ, et al. **IEEE Trans Biomed Eng** 1985 Aug;32(8):621–9

Coronary prognostic index in acute myocardial infarction. Mulay DV. **Indian Heart J** 1985 Jan–Feb;37(1):32–6

Detection of myocardial infarction extension or reattack by serum myoglobin radioimmunoassay. Honda Y, et al. **Int J Cardiol** 1984 Sep;6(3):325–39

Measurement of aortic blood velocity in acute myocardial infarction by Doppler ultrasound. Robson DJ, et al. **Intensive Care Med** 1985;11(2):90–4

Rheumatic carditis presenting as acute myocardial infarction. Suliman K, et al. **Isr J Med Sci** 1985 May;21(5):445–50

Errors in the visual determination of corrected QT (QTc) interval during acute myocardial infarction. Ahnve S. **J Am Coll Cardiol** 1985 Mar;5(3):699–702

Childhood traumatic infarction causing left ventricular aneurysm: diagnosis by two-dimensional echocardiography. Long WA, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1478–83

Role of two-dimensional echocardiography in the prediction of in-hospital complications after acute myocardial infarction. Nishimura RA, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1080–7

Transmural versus Q wave infarction [letter] Phibbs B. **J Am Coll Cardiol** 1984 Dec;4(6):1332

Right ventricular infarction. Garg KC, et al. **J Assoc Physicians India** 1985 Feb;33(2):173–4

Empiric comparison of multivariate analytic techniques: advantages and disadvantages of recursive partitioning analysis. Cook EF, et al. **J Chronic Dis** 1984; 37(9–10):721–31

Evaluation of three current methods for the determination of creatine kinase-MB catalytic activity. Spincemaille J, et al. **J Clin Chem Clin Biochem** 1984 Sep;22(9):603–7

Vectorcardiographic features of acute right ventricular infarction. Carson W, et al. **J Electrocardiol** 1984 Jul; 17(3):253–61

Comparative accuracy of computerized spatial vectorcardiography and standard electrocardiography for detection of myocardial infarction. Cowan MJ, et al. **J Electrocardiol** 1985 Apr;18(2):111–22

Frequency content of the electrocardiogram. Spatial features and effects of myocardial infarction. Nichols TL, et al. **J Electrocardiol** 1985 Apr;18(2):185–93

Non-transmural infarction: clinical distinction between patients with ST depression and those with T wave inversion. Varat MA. **J Electrocardiol** 1985 Jan;18(1):15–20

Motor aphasia: a presenting feature of acute anteroseptal infarction. Viswanathan N, et al. **J Indian Med Assoc** 1984 Nov;82(11):411–2

EKG of the month. Marked left axis deviation; complete right bundle branch block; anteroseptal myocardial infarction, age undetermined. Martinez-Lopez JI. **J La State Med Soc** 1984 Nov;136(11):8, 11–2

EKG of the month. Anteroseptal myocardial infarction. Campbell WB. **J Tenn Med Assoc** 1984 Dec;77(12):718–20

The value of radionuclide angiography as a predictor of perioperative myocardial infarction in patients undergoing abdominal aortic aneurysm resection. Pasternack PF, et al. **J Vasc Surg** 1984 Mar;1(2):320–5

Undiagnosed myocardial infarction [letter] Brachfeld J. **JAMA** 1984 Dec 7;252(21):2957–8

Effects of intracoronary thrombolysis on infarct size and left ventricular function in patients with anterior myocardial infarction—enzymatic, electrocardiographic, radionuclide and hemodynamic evaluations. Murakami T, et al. **Jpn Circ J** 1985 Jun;49(6):605–15

The giant R wave of acute myocardial infarction. Faillace RT, et al. **Jpn Heart J** 1985 Mar;26(2):165–78

Unrecognised myocardial infarction [editorial] **Lancet** 1984 Dec 15;2(8416):1379

Characterisation of acute myocardial infarction by gated magnetic resonance imaging. Been M, et al. **Lancet** 1985 Aug 17;2(8451):348–50

Coronary heart disease in residents of Rochester, Minnesota. VI. Hospital and posthospital course of patients with transmural and subendocardial myocardial infarction. Connolly DC, et al. **Mayo Clin Proc** 1985 Jun;60(6):375–81

Silent acute myocardial infarction masked by transient WPW syndrome. Luca C, et al. **Med Interne** 1984 Oct–Dec; 22(4):285–8

Observations on the diagnostic criteria of the 'nontransmural' acute myocardial infarction. Olinic N, et al. **Med Interne** 1985 Jan–Mar;23(1):45–50

Preoperative determination of cardiac risk [letter] **N Engl J Med** 1985 Jun 20;312(25):1641

Unrecognized myocardial infarction [letter] **N Engl J Med** 1985 Feb 28;312(9):583–4

Immunochemical determination of CK-MB and LDH-1 in the community hospital. Koerber RK, et al. **Nebr Med J** 1984 Oct;69(10):330–4

Elbow pain. Sheahan SL. **Nurse Pract** 1985 May;10(5):51, 56

Myocardial infarction and the normal arteriogram—possible role of viral myocarditis. O'Neill D, et al. **Postgrad Med J** 1985 Jun;61(716):485–8

Gated MR imaging of the heart: intracardiac signals in patients and healthy subjects. von Schulthess GK, et al. **Radiology** 1985 Jul;156(1):125–32

The diagnostic value of different enzymes and standard ECG in acute myocardial infarction. Herlitz J, et al. **Scand J Clin Lab Invest** 1985 Sep;45(5):413–20

Subendocardial versus transmural myocardial infarction: clinical comparison and review. Ng AS, et al. **Singapore Med J** 1983 Dec;24(6):324–32

Acute myocardial infarction in elderly patients. Applegate WB, et al. **South Med J** 1984 Sep;77(9):1127–9

Ventricular premature complexes and diagnosis of acute MI [letter] Biel S, et al. **South Med J** 1985 Feb;78(2):226

Creatine kinase (CK): its use in the evaluation of perioperative myocardial infarction. Graeber GM. **Surg Clin North Am** 1985 Jun;65(3):539–51 (34 ref.)

Cost-effective myocardial isoenzyme determination. Minor M, et al. **W Va Med J** 1985 Jul;81(7):139–42

[Prognostic value of the early stress test and the significance of indicators in the electrocardiogram at rest in patients with myocardial infarct] Zeman S, et al. **Cas Lek Cesk** 1985 Jul 26;124(30):934–7 (Eng. Abstr.) **(Cze)**

[15-year study of the pre-hospital phase in acute myocardial infarct in the Most District] Ulrich J, et al. **Vnitr Lek** 1985 Mar;31(3):252–8 (Eng. Abstr.) **(Cze)**

[The role of echocardiography in the coronary unit] Widimský P, et al. **Vnitr Lek** 1984 Dec;30(12):1169–76 (Eng. Abstr.) **(Cze)**

[2-dimensional echocardiographic evaluation of left ventricular dyssynergy after acute myocardial infarction] Saunamäki KI, et al. **Ugeskr Laeger** 1984 Nov 26; 146(48):3746–50 (Eng. Abstr.) **(Dan)**

[Is coronary arteriography indicated in all patients younger than 60 who, after an initial infarct, exhibit little or no angina pectoris?] Veenbrink TW, et al. **Ned Tijdschr Geneeskd** 1984 Oct 6;128(40):1892–7 (Eng. Abstr.) **(Dut)**

[Electrocardiographic abnormalities and cerebromeningeal disorders] Boreux JL, et al. **Acta Clin Belg** 1984;39(3):154–8 (Eng. Abstr.) **(Fre)**

[Prognostic value of bidimensional echography in the acute stage of myocardial infarction] Bruntz JF. **Ann Cardiol Angeiol (Paris)** 1985 May;34(5):319–22 (33 ref.) (Eng. Abstr.) **(Fre)**

[Vectorcardiography in inferior infarction associated with left bundle-branch block] Bruntz JF, et al. **Arch Mal Coeur** 1985 Feb;78(2):233–9 (Eng. Abstr.) **(Fre)**

[Topographic diagnosis of true posterior infarction. Comparison of the vectorcardiogram and myocardial scintigraphy] Wolf JE, et al. **Arch Mal Coeur** 1985 Jul; 78(7):1019–25 (Eng. Abstr.) **(Fre)**

[Early exercise test following myocardial infarct: yes or no] Cananau S, et al. **Rev Med Suisse Romande** 1984 Sep; 104(9):711–6 **(Fre)**

[Electrocardiogram in acute anterior wall infarct after restoration of the blood supply] Schmidt WG, et al. **Dtsch Med Wochenschr** 1985 Apr 26;110(17):665–9 (Eng. Abstr.) **(Ger)**

[Recommendations for the evaluation and interpretation of electrocardiograms of adolescents and adults. Brief programmed course. 12. Partial program IV: Ischemia and infarct diagnosis. 2: Detection and exclusion of infarct signs (A)] Assmann I, et al. **Z Arztl Fortbild (Jena)** 1985; 79(1):45–8 **(Ger)**

[Recommendations for assessing and judging the electrocardiograms of young people and adults. An abridged programmed course. 14. Program section IV. Ischemia and infarct diagnosis. 4. Recognition and exclusion of ischemia and infarct signs. The demonstration of selected electrocardiograms] Assmann I, et al. **Z Arztl Fortbild (Jena)** 1985;79(3):125–34 **(Ger)**

[Recommendations for the evaluation and interpretation of the electrocardiogram of adolescents and adults. Brief programmed course. 13: Partial program IV: Ischemia and infarct diagnosis. 3: Detection and elimination of infarct signs (B)] Assmann I, et al. **Z Arztl Fortbild (Jena)** 1985; 79(2):83–7 **(Ger)**

[Recommendations on the evaluation and assessment of the electrocardiogram in adolescents and adults. Brief programmed course. 11. Partial program IV/1: Detection and exclusion of signs of ischemia] Pries W, et al. **Z Arztl Fortbild (Jena)** 1984;78(21):909–14 **(Ger)**

[Comparison between classical ECG and ST mapping] Kehl K. **Z Gesamte Inn Med** 1985 Mar 1;40(5):137–42 (Eng. Abstr.) **(Ger)**

[Persistent infarct signs—obligate symptoms of heart wall aneurysm?] Türk W, et al. **Z Gesamte Inn Med** 1984 Nov 1;39(21):518–20 (Eng. Abstr.) **(Ger)**

[Relation between electrocardiography and coronary angiography findings in the infarct stage] Blanke H, et al. **Z Kardiol** 1985 Mar;74(3):157–64 (Eng. Abstr.) **(Ger)**

[Significance of precordial ST segment depressions in acute inferior infarct—correlation with coronary angiography and ventriculography findings in the acute infarct phase] Blanke H, et al. **Z Kardiol** 1985 Mar;74(3):152–6 (Eng. Abstr.) **(Ger)**

[A transient right ventricular thrombus following myocardial infarct of the posterior wall—diagnosis using 2-dimensional echocardiography] Nesser HJ, et al. **Z Kardiol** 1984 Jul; 73(7):472–4 (Eng. Abstr.) **(Ger)**

[Noninvasive determination of stroke volume with spectral Doppler echocardiography] Trompler AT, et al. **Z Kardiol** 1985 Jun;74(6):322–6 (Eng. Abstr.) **(Ger)**

[Simplification of serial enzyme activity determinations in the diagnosis and control of acute myocardial infarct] Preugschat R, et al. **Z Med Lab Diagn** 1984;25(5):292–4 **(Ger)**

[Abortion following recent myocardial infarct] Köhler B. **Zentralbl Gynakol** 1985;107(8):508–11 (Eng. Abstr.) **(Ger)**

[Modified exercise testing in patients recovering from acute myocardial infarction] Benhorin J, et al. **Harefuah** 1985 Jan 15;108(2):87–90 **(Heb)**

[Reciprocal changes in the ST segment during acute myocardial infarction: etiology and prognostic significance] Chenzbraun A, et al. **Harefuah** 1985 Jan 1;108(1):37–9 **(Heb)**

[The myoglobin latex test in the early diagnosis of myocardial infarct] Matoltsy A, et al. **Orv Hetil** 1984 Oct 28; 125(44):2681–3 (Eng. Abstr.) **(Hun)**

[Evaluation criteria in peroperative infarction during myocardial revascularization] Caretta Q, et al. **Boll Soc Ital Cardiol** 1984 Nov;29(11):493–501 (Eng. Abstr.) **(Ita)**

[Correlations between the ergometric and follow-up parameters in 409 infarct patients] Maisano G, et al. **Boll Soc Ital Cardiol** 1983 Nov;28(11):975–80 (Eng. Abstr.) **(Ita)**

[Correlation between ergometric parameters and follow-up in 409 infarct patients] Maisano G, et al. **Boll Soc Ital Cardiol** 1983 Nov;28(11):975–80 (Eng. Abstr.) **(Ita)**

[Sensitivity and specificity of vectorcardiographic criteria in diaphragmatic necrosis] Mottironi P, et al. **Cardiologia** 1984 Dec;29(12):639–51 (Eng. Abstr.) **(Ita)**

[Diabetes and acute myocardial infarct in the aged] Panuccio D, et al. **G Clin Med** 1984 Jul–Aug;65(7–8):335–45 (Eng. Abstr.) **(Ita)**

[Prognostic value of echocardiography in acute myocardial infarct: comparison, by multivariate analysis, between mono- and bidimensional parameters] Sarasso G, et al. **G Ital Cardiol** 1984 Sep;14(9):655–62 (Eng. Abstr.) **(Ita)**

[Significance of ST segment depression in patients with acute and non-acute inferior myocardial infarct] Tavazzi L, et al. **G Ital Cardiol** 1985 Feb;15(2):165–8 **(Ita)**

[Early diagnosis of myocardial infarct: value of the combined use of creatine kinase and MB isoenzyme determinations] Vassanelli C, et al. **G Ital Cardiol** 1985 Feb;15(2):128–34 (Eng. Abstr.) **(Ita)**

[Echocardiokymography in the study of myocardial infarct in the chronic phase] Cassone R, et al. **Minerva Cardioangiol** 1984 Oct;32(10):675–81 (Eng. Abstr.) **(Ita)**

[The electrocardiogram in the diagnosis of infarct of the right ventricle] Pirazzini L, et al. **Minerva Cardioangiol** 1985 May;33(5):237–41 (Eng. Abstr.) **(Ita)**

[Histopathological diagnosis of early stages of myocardial infarction—applications of the improved hematoxylin basic fuchsin picric acid (HBFP) staining method to human autopsy hearts] Fujita M, et al. **Hokkaido Igaku Zasshi** 1985 May;60(3):313–20 (Eng. Abstr.) **(Jpn)**

[Patient care in the CCU] Fukunami M, et al. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):476–81 (53 ref.) **(Jpn)**

[Estimation of the infarct size by two-dimensional echocardiography in cases with acute myocardial infarction] Sakabe Y, et al. **J Cardiogr** 1984 Aug; 14(2):247-56 (Eng. Abstr.) **(Jpn)**

[Evaluation of left ventricular wall motion and systolic thickening by two-dimensional echocardiography] Hosokawa M, et al. **Kokyu To Junkan** 1984 Aug; 32(8):797-803 **(Jpn)**

[Nuclear magnetic resonance imaging of myocardial infarction] Imai H, et al. **Kokyu To Junkan** 1984 Oct; 32(10):1019-25 (41 ref.) **(Jpn)**

[Correlation of left ventricular diastolic property and peak creatine kinase MB isoenzyme activity in myocardial infarction] Ishida K, et al. **Kokyu To Junkan** 1985 Apr; 33(4):575-9 (Eng. Abstr.) **(Jpn)**

[Clinical significance of the right atrial pressure in the acute phase of myocardial infarction] Matoba M, et al. **Kokyu To Junkan** 1984 Sep;32(9):937-41 (Eng. Abstr.) **(Jpn)**

[Diagnostic imagings of myocardial infarction] Kusama Y, et al. **Nippon Ika Daigaku Zasshi** 1985 Jun;52(3):337-41 **(Jpn)**

[Indication for angiography of the coronary and major vessels for the diagnosis of cardiovascular diseases. b. The present status of medical imaging technology--NMR] Nishikawa J, et al. **Nippon Rinsho** 1984 Dec;42(12):2635-8 **(Jpn)**

[Laboratory tests in cardiac diseases--creatine kinase in myocardial infarction and ECG changes induced by hypopotassemia] Ito M. **Rinsho Byori** 1984 Jul;32(7):736-45 (44 ref.) **(Jpn)**

[The extent of necrosis determined on the basis of serial CK-MB tests and the clinical course of recent myocardial infarction] Opolski G, et al. **Kardiol Pol** 1984;27(6):425-32 (Eng. Abstr.) **(Pol)**

[Comparative value of the assessment of the extent of myocardial infarction by the Sobel and Shell methods of measuring CK and CK-MB levels] Mazur-Cichocka M, et al. **Pol Tyg Lek** 1984 Dec 10;39(50):1633-6 (Eng. Abstr.) **(Pol)**

[Evaluation of selected indicators of the extension of the necrotic area in myocardial infarction] Mazur-Cichocka M, et al. **Pol Tyg Lek** 1984 Nov 12;39(46):1497-500 (Eng. Abstr.) **(Pol)**

[Significance of ST segment depression in precordial ECG leads in inferior myocardial infarction] Opolski G. **Pol Tyg Lek** 1984 Nov 12;39(46):1519-20 **(Pol)**

[Extended electrocardiographic examination from the posterior surface of the chest in the diagnosis of myocardial infarction of the posterior left-ventricular wall] Sterkowicz S. **Wiad Lek** 1985 Apr 15;38(8):545-50 (Eng. Abstr.) **(Pol)**

[Use of extended electrocardiographic studies from the posterior area of the chest in the diagnosis of myocardial infarction in the left-ventricular wall] Sterkowicz S. **Wiad Lek** 1984 Aug 1;37(15):1153-8 (Eng. Abstr.) **(Pol)**

[Comparative analysis of the clinico-evolutive and enzymatic aspects in acute nontransmural and transmural myocardial infarct] Olinic N, et al. **Rev Med Interna [Med Interna]** 1985 Mar-Apr;37(2):113-8 (Eng. Abstr.) **(Rum)**

[Left ventricular function in patients who have had a myocardial infarct, based on echocardiographic study data] Nikolaeva LF, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(2):25-32 (Eng. Abstr.) **(Rus)**

[Immunological methods of myoglobulin determination in the serum for diagnosing myocardial infarct] Tashmatova AIu, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(2):37-41 (Eng. Abstr.) **(Rus)**

[Multifactorial rating scale of psychosocial changes in patients with a history of myocardial infarct] Zaitsev VI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(2):60-7 (Eng. Abstr.) **(Rus)**

[Atypical course of myocardial infarction in a young man] Ianushkevichus ZI, et al. **Kardiologiia** 1984 Jul;24(7):108-9 **(Rus)**

[Vectorcardiographic mapping in the evaluation of the severity of myocardial infarct] Stepanov AV, et al. **Kardiologiia** 1984 Oct;24(10):27-30 (Eng. Abstr.) **(Rus)**

[ECG characteristics in subendocardial myocardial infarct] Zharov EI, et al. **Kardiologiia** 1985 Mar;25(3):34-8 (Eng. Abstr.) **(Rus)**

[Importance of a comprehensive evaluation of the size of cardiac muscle necrosis for the prognosis and treatment of acute myocardial infarct patients] Zharov EI, et al. **Kardiologiia** 1984 Sep;24(9):39-44 (Eng. Abstr.) **(Rus)**

[Special system of electrocardiographic leads for the diagnosis of focal myocardial changes] Zubarev MA. **Kardiologiia** 1984 Oct;24(10):103-5 **(Rus)**

[Manifestations of atherosclerosis of the cerebral vessels and their relation to mental changes in patients with a history of myocardial infarct] Beliakova NA, et al. **Klin Med (Mosk)** 1984 Nov;62(11):70-4 (Eng. Abstr.) **(Rus)**

[Clinico-morphological parallels in recurrent myocardial infarct] Iagudaev AM, et al. **Klin Med (Mosk)** 1984 Aug; 62(8):31-3 (Eng. Abstr.) **(Rus)**

[Differentiation of the status asthmaticus in myocardial infarct patients] Iosava KV, et al. **Klin Med (Mosk)** 1984 Nov;62(11):112-4 **(Rus)**

[Pseudoinfarction Q waves in Wolff-Parkinson-White syndrome] Zhuravleva NB, et al. **Klin Med (Mosk)** 1985 Feb;63(2):53-6 (Eng. Abstr.) **(Rus)**

[Significance of determining serum enzyme activity in diagnosing myocardial infarct and in evaluating the functional state of the liver] Makarevich OP, et al. **Lab Delo** 1984;(10):593-7 (Eng. Abstr.) **(Rus)**

[Prospects for the use of myoglobin radioimmunoassay] Bondareva ZG, et al. **Med Radiol (Mosk)** 1984 Nov; 29(11):19-21 **(Rus)**

[Sonoluminescence of blood plasma in myocardial infarct] Adzhimolaeva TA, et al. **Patol Fiziol Eksp Ter** 1985 May-Jun;(3):16-8 (Eng. Abstr.) **(Rus)**

[Simple gravimetric method for determining the size of the myocardial infarct zone] Kogan AKh, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct;(5):80-2 **(Rus)**

[Clinico-morphological comparisons in myocardial infarction in patients with chronic bronchitis] Kubyshkin VF, et al. **Sov Med** 1984;(8):68-72 **(Rus)**

[Diagnosis of impairment of segmental myocardial contractility during the acute phase of infarction using sector scanning] Charchoglian RA, et al. **Ter Arkh** 1984; 56(8):23-6 (Eng. Abstr.) **(Rus)**

[Precordial mapping and morphometric indices of the necrotic area in myocardial infarct in chronic bronchitis patients] Ionov VA. **Ter Arkh** 1985;57(3):141-4 **(Rus)**

[Changes in ECG indicators during bicycle ergometry in patients having suffered myocardial infarction] Kheifets ZN. **Ter Arkh** 1984;56(8):32-4 (Eng. Abstr.) **(Rus)**

[Comparative study of the exercise tolerance of patients with autonomic circulatory dystonia, angina pectoris and previous myocardial infarction] Klenina IS, et al. **Ter Arkh** 1984;56(8):35-9 (Eng. Abstr.) **(Rus)**

[Chemiluminescence of the leukocyte mass in the diagnosis of acute myocardial infarction] Korochkin IM, et al. **Ter Arkh** 1984;56(8):29-31 **(Rus)**

[Clinico-mathematical methods of diagnosis, prognosis of outcome and selection of optimal variant of treatment of myocardial infarction during hospital stay] Malaia LT, et al. **Ter Arkh** 1984;56(12):7-10 (Eng. Abstr.) **(Rus)**

[Various current aspects of diagnostic enzymology using organ-specific enzymes] Karelin AA, et al. **Vestn Akad Med Nauk SSSR** 1984;(8):89-94 (31 ref.) **(Rus)**

[Problems with current enzyme tests] Korovkin BF. **Vestn Akad Med Nauk SSSR** 1985;(1):12-22 (Eng. Abstr.) **(Rus)**

[Value of precardial electrocardiotopography in the diagnosis of focal dystrophy and microfocal myocardial infarct] Gvatua NA, et al. **Vrach Delo** 1984 Dec;(12):50-3 (Eng. Abstr.) **(Rus)**

[Pseudoinfarct of the myocardium] Duraković Z. **Lijec Vjesn** 1985 Mar-Apr;107(3-4):121-4 (Eng. Abstr.) **(Scr)**

[Prodromal symptoms in patients with acute myocardial infarct] Celikić S, et al. **Vojnosanit Pregl** 1985 May-Jun; 42(3):183-5 (Eng. Abstr.) **(Scr)**

[Myocardial infarction and Wolff-Parkinson-White syndrome. Usefulness of the ajmaline test] Suárez LD, et al. **Medicina (B Aires)** 1984;44(1):64-8 (Eng. Abstr.) **(Spa)**

[Prognostic value of a symptom-limited exertion test in the early phase of myocardial infarct] Evangelista Masip A, et al. **Rev Esp Cardiol** 1984 Nov-Dec;37(6):425-30 (Eng. Abstr.) **(Spa)**

[The time factor in acute myocardial infarction] Herlitz J, et al. **Lakartidningen** 1984 Nov 14;81(46):4293-5 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

High-dose intravenous thrombolytic therapy in acute myocardial infarction: efficiency, tolerance, complications and influence on left ventricular performance. de Marneffe M, et al. **Acta Cardiol (Brux)** 1985;40(2):183-98

Systemic versus intracoronary thrombolytic treatment in acute myocardial infarction. Verstraete M. **Acta Cardiol (Brux)** 1985;40(3):263-7

Tolerability to treatment with metoprolol in acute myocardial infarction in relation to age. Herlitz J, et al. **Acta Med Scand** 1985;217(3):293-8

The effects of a highly purified hyaluronidase preparation on experimental myocardial infarction in the rat. Nilsson JE, et al. **Acta Med Scand** 1984;216(2):209-13

Comparative investigation of the antiarrhythmic effect of propafenone (Rytmonorm) and lidocaine in patients with ventricular arrhythmias during acute myocardial infarction. Rehnqvist N, et al. **Acta Med Scand** 1984;216(5):525-30

Trimepranol, a Czechoslovak-made beta blocker, in the treatment of acute myocardial infarction. Charvát J, et al. **Acta Univ Carol [Med] (Praha)** 1984;30(1-2):117-23

Nonsurgical reperfusion in evolving myocardial infarction. Satler LF, et al. **Adv Intern Med** 1984;30:231-42 (51 ref.)

Verapamil and nifedipine limit infarct size in the dog. Downey JM, et al. **Adv Myocardiol** 1985;6:529-43

Reduction of myocardial infarct size in rats under the effect of bepridil. Richard V, et al. **Adv Myocardiol** 1985;6:563-72

Infarct-size limitation--real or artifactual. Studies with flurbiprofen using a reperfusion model. Yellon DM, et al. **Adv Myocardiol** 1985;6:619-27

Aspirin after acute myocardial infarction: a systematic approach to compare the hemostatic effects of three different doses. De Caterina R, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 13:267-70

Apparent superiority of H2-receptor stimulation and simultaneous beta-blockade over conventional treatment with beta-sympathomimetic drugs in post-acute myocardial infarction: cardiac effects of impromidine--a new specific H2-receptor agonist-in the surviving catecholamine-insensitive myocardium. Baumann G, et al. **Agents Actions** 1984 Oct;15(3-4):216-28

Long-term follow-up after intracoronary streptokinase for myocardial infarction: a randomized, controlled study. Anderson JL, et al. **Am Heart J** 1984 Dec;108(6):1402-8

Hemodynamic effects of molsidomine in patients with heart failure following acute myocardial infarction. Cantelli I, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):716-9

Administration of intracoronary streptokinase during menstruation. de Gregorio B, et al. **Am Heart J** 1985 Apr; 109(4):908-10

Molsidomine in the treatment of acute heart failure. Drajer S, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):712-5

Prophylactic lidocaine in the early phase of suspected myocardial infarction. Dunn HM, et al. **Am Heart J** 1985 Aug;110(2):353-62

Long-term anticoagulant therapy after acute myocardial infarction. Goldberg RJ, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):616-22 (42 ref.)

The role of anticoagulant therapy in acute myocardial infarction. Goldberg RJ, et al. **Am Heart J** 1984 Nov; 108(5):1387-93 (32 ref.)

Preservation of ischemic myocardium by a new converting enzyme inhibitor, enalaprilic acid, in acute myocardial infarction. Hock CE, et al. **Am Heart J** 1985 Feb; 109(2):222-8

Hemodynamic effects of digoxin in acute myocardial infarction in man: a randomized controlled trial. Marchionni N, et al. **Am Heart J** 1985 Jan;109(1):63-9

Influence of long-acting nitrate therapy on the risk of reinfarction, sudden death, and total mortality in survivors of acute myocardial infarction. Rapaport E. **Am Heart J** 1985 Jul;110(1 Pt 2):276-80

Hemodynamic effects of molsidomine in patients with acute myocardial infarction. Reifart N, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):708-12

Effects of molsidomine on hemodynamics and blood gases in acute myocardial infarction with left heart failure. Renard M, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):720-2

Reduction of infarct size by the early use of intravenous timolol in acute myocardial infarction. International Collaborative Study Group. **Am J Cardiol** 1984 Dec 21; 54(11):14E-15E

Verapamil in acute myocardial infarction. Danish Multicenter Study Group on Verapamil in Myocardial Infarction. **Am J Cardiol** 1984 Dec 21;54(11):24E-28E

Relation of effectiveness of intracoronary thrombolysis in acute myocardial infarction to systemic thrombolytic state. Burket MW, et al. **Am J Cardiol** 1985 Sep 1;56(7):441-4

Reduction of creatine kinase and creatine kinase-MB indexes of infarct size by intravenous verapamil. Bussmann WD, et al. **Am J Cardiol** 1984 Dec 1;54(10):1224-30

Effects of intracoronary urokinase during acute myocardial infarction [letter] Campbell WB. **Am J Cardiol** 1984 Dec 1;54(10):1396

Effect of ibuprofen on the healing phase of experimental myocardial infarction in the rat. Cannon RO 3d, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1609-13

Exercise training during chronic beta blockade in cardiovascular disease. Fletcher GF. **Am J Cardiol** 1985 Apr 26;55(10):110D-113D

Intracoronary prostacyclin in evolving acute myocardial infarction. Grose R, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1625-6

Early intervention with a beta-blocking drug after acute myocardial infarction. Hjalmarson A. **Am J Cardiol** 1984 Dec 21;54(11):11E-13E (11 ref.)

Intravenous beta blockade in acute myocardial infarction [letter] Jacob AS, et al. **Am J Cardiol** 1985 Feb 15;55(5):622

Acute myocardial infarction treated with intracoronary streptokinase: a report of the Society for Cardiac Angiography. Kennedy JW, et al. **Am J Cardiol** 1985 Apr 1;55(8):871-7

Dosage of intracoronary nitroglycerin [letter] Kloth DD. **Am J Cardiol** 1984 Oct 1;54(7):939

Intravenous urokinase in acute myocardial infarction. Mathey DG, et al. **Am J Cardiol** 1985 Apr 1;55(8):878-82

Limitations of fluorocarbons in reducing myocardial infarct size. Menasche P, et al. **Am J Cardiol** 1985 Mar 1; 55(6):830-4

Usefulness of high-dose anticoagulants in preventing left ventricular thrombus in acute myocardial infarction. Nordrehaug JE, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1491-3

Isosorbide dinitrate sublingual therapy for inferior myocardial infarction: randomized trial to assess infarct size limitation. Pabón Osuna P, et al. **Am J Cardiol** 1985 Feb 1;55(4):330-4

Nifedipine in acute myocardial infarction. Pearle DL. **Am J Cardiol** 1984 Dec 21;54(11):21E-23E (19 ref.)

Intracoronary thrombolytic therapy in acute myocardial infarction: a prospective, randomized, controlled trial. Raizner AE, et al. **Am J Cardiol** 1985 Feb 1;55(4):301-8

Thrombolytic therapy in acute myocardial infarction: review of clinical trials. Rentrop KP, et al. **Am J Cardiol** 1984 Dec 21;54(11):29E-31E (36 ref.)

Effect of successful thrombolytic therapy on right ventricular

EWARK PUBLIC

function in acute inferior wall myocardial infarction. Schuler G, et al. **Am J Cardiol** 1984 Nov 1;54(8):951-7

Intracoronary thrombolysis 3 to 13 days after acute myocardial infarction for postinfarction angina pectoris. Shapiro EP, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1453-8

Left ventricular thrombi diagnosed by echocardiography in patients with acute myocardial infarction treated with intracoronary streptokinase followed by intravenous heparin. Sharma B, et al. **Am J Cardiol** 1985 Sep 1; 56(7):422-5

Intravenous amrinone in left ventricular failure complicated by acute myocardial infarction. Taylor SH, et al. **Am J Cardiol** 1985 Jul 22;56(3):29B-32B

Intravenous versus intracoronary streptokinase in acute myocardial infarction. Valentine RP, et al. **Am J Cardiol** 1985 Feb 1;55(4):309-12

Systemic markers of fibrinolysis after unsuccessful intracoronary streptokinase thrombolysis for acute myocardial infarction. Does nonreperfusion indicate failure to achieve a systemic lytic state? White CW, et al. **Am J Cardiol** 1984 Oct 1;54(7):712-7

Short- and long-term influence of beta-adrenergic antagonists after acute myocardial infarction. Willerson JT, et al. **Am J Cardiol** 1984 Dec 21;54(11):16E-20E (32 ref.)

Constrictive pericarditis after myocardial infarction. Sequela of anticoagulant-induced hemopericardium. Karim AH, et al. **Am J Med** 1985 Sep;79(3):389-90

Thrombolytic therapy for acute transmural myocardial infarction. Intracoronary versus intravenous. Marder VJ, et al. **Am J Med** 1984 Nov;77(5):921-8

Angiographic and pathologic evidence of hemorrhage into the myocardium after coronary reperfusion. Yasuno M, et al. **Angiology** 1984 Dec;35(12):797-801

Intravenous streptokinase in acute myocardial infarction. Mayer G, et al. **Ann Emerg Med** 1985 May;14(5):410-5

Myocardial infarction management with peripheral streptokinase. Mayer G, et al. **Ann Emerg Med** 1984 Nov; 13(11):1000-7

Effect of timolol on the sympathetic nervous system in coronary occlusion in cats. Spivey WH, et al. **Ann Emerg Med** 1985 Oct;14(10):939-44

Thrombolysis for evolving myocardial infarction. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1985 Sep;103(3):463-9 (66 ref.)

Lidocaine therapy with an exponentially declining infusion. Clinical evaluation of an optimized dosing technique. Sebaldt RJ, et al. **Ann Intern Med** 1984 Nov;101(5):632-4

Combined haemodynamic effects of low doses of dopamine and dobutamine in patients with acute infarction and cardiac failure. el Allaf D, et al. **Arch Int Physiol Biochim** 1984 Nov;92(4):S49-55

The role of diuretics and inotropic therapy in failure associated with myocardial infarction. Roberts R. **Arch Int Physiol Biochim** 1984 Nov;92(4):S33-48 (55 ref.)

Streptokinase [editorial] Dunn MI, et al. **Arch Intern Med** 1985 Aug;145(8):1381-3

Beta-blockers after myocardial infarction. Rose G. **Aust NZ J Med** 1984 Aug;14(4):431-4

A comparison of intravenous and intracoronary streptokinase in acute myocardial infarction. Woollard KV, et al. **Aust NZ J Med** 1984 Aug;14(4):475-8

Prevention of the 'no reflow' phenomenon in the canine heart by mioflazine. Flameng W, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):27-36

Nifedipine limits infarct size for 24 hours in closed chest coronary embolized dogs. Yoshida S, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):76-87

Reduced side effects by low dose of acetylsalicylic acid (ASA) in patients with myocardial infarction; estimations of serum thromboxane B2 and PGF2 alpha. Hoffmann W, et al. **Biomed Biochim Acta** 1984;43(8-9):S467-70

On the late antiischaemic action of the stable PgI2 analogue: 7-oxo-PgI2-Na and its possible mode of action. Szekeres L, et al. **Biomed Biochim Acta** 1984;43(8-9):S135-42

Comparison of the thromboxane synthetase inhibitor dazoxiben and the prostacyclin mimetic iloprost in an animal model of acute ischaemia and reperfusion. Thiemermann C, et al. **Biomed Biochim Acta** 1984; 43(8-9):S151-4

Coronary thrombolysis with intravenous anisoylated plasminogen-streptokinase complex BRL 26921. Been M, et al. **Br Heart J** 1985 Mar;53(3):253-9

Prostacyclin infusion in patients with acute myocardial infarction. Henriksson P, et al. **Br Heart J** 1985 Feb; 53(2):173-9

Reduction of infarct size. An attractive concept: useful—or possible—in humans? Kubler W, et al. **Br Heart J** 1985 Jan;53(1):5-8

Effect of timolol on changes in serum potassium concentration during acute myocardial infarction. Nordrehaug JE, et al. **Br Heart J** 1985 Apr;53(4):388-93

Nicardipine in models of myocardial infarction. Alps BJ, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:29S-49S

Beta blockers after myocardial infarction: have trials changed practice? [letter] Colling A. **Br Med J [Clin Res]** 1985 Jan 26;290(6464):322

Intravenous versus intracoronary streptokinase for acute transmural myocardial infarction. Blunda M, et al. **Cathet Cardiovasc Diagn** 1984;10(4):319-27

Left main coronary thrombolysis. Cox WR. **Cathet Cardiovasc Diagn** 1985;11(3):269-71

Successful result from delayed streptokinase administration: subtotal thrombotic occlusion in a subsequently normal coronary artery. Osborn LA, et al. **Cathet Cardiovasc Diagn** 1985;11(1):49-53

Influence of chronic captopril therapy on the infarcted left ventricle of the rat. Pfeffer JM, et al. **Circ Res** 1985 Jul; 57(1):84-95

The independent effects of oxygen radical scavengers on canine infarct size. Reduction by superoxide dismutase but not catalase. Werns SW, et al. **Circ Res** 1985 Jun; 56(6):895-8

A randomized trial of intravenous and intracoronary streptokinase in patients with acute myocardial infarction. Anderson JL, et al. **Circulation** 1984 Oct;70(4):606-18

Human tissue-type plasminogen activator: from the laboratory to the bedside [editorial] Collen D. **Circulation** 1985 Jul;72(1):18-20

Effects of diltiazem on cardiac function and regional blood flow at rest and during exercise in a conscious rat preparation of chronic heart failure (myocardial infarction). Drexler H, et al. **Circulation** 1985 Jun;71(6):1262-70

Tiapamil, a new calcium antagonist: hemodynamic effects in patients with acute myocardial infarction. Eichler HG, et al. **Circulation** 1985 Apr;71(4):779-86

Reduction of infarct size with intracoronary perfluorochemical in a canine preparation of reperfusion. Forman MB, et al. **Circulation** 1985 May;71(5):1060-8

Coronary thrombolysis with recombinant human tissue-type plasminogen activator. Gold HK, et al. **Circulation** 1984 Oct;70(4):700-7

Delayed effects of early infarct-limiting therapies on healing after myocardial infarction. Jugdutt BI. **Circulation** 1985 Oct;72(4):907-14

Protection of hypoxic myocardium by intracoronary administration of verapamil in open-chest dogs. Mori H, et al. **Circulation** 1984 Oct;70(4):742-7

Thrombolytic therapy in patients with acute myocardial infarction. Rentrop KP. **Circulation** 1985 Apr;71(4):627-31

Global and regional left ventricular function and tomographic radionuclide perfusion: the Western Washington Intracoronary Streptokinase In Myocardial Infarction Trial. Ritchie JL, et al. **Circulation** 1984 Nov; 70(5):867-75

Relationship of the lytic state to successful reperfusion with standard- and low-dose intracoronary streptokinase. Rothbard RL, et al. **Circulation** 1985 Mar;71(3):562-70

Factors that determine recovery of left ventricular function after thrombolysis in patients with acute myocardial infarction. Sheehan FH, et al. **Circulation** 1985 Jun; 71(6):1121-8

Evolution of infarct size during the early use of nifedipine in patients with acute myocardial infarction: the Norwegian Nifedipine Multicenter Trial. Sirnes PA, et al. **Circulation** 1984 Oct;70(4):638-44

Factors influencing probability of reperfusion with intracoronary ostial infusion of thrombolytic agent in patients with acute myocardial infarction. Tendera MP, et al. **Circulation** 1985 Jan;71(1):124-8

Secondary prevention after myocardial infarction: subgroup analysis of patients at risk in the Norwegian Timolol Multicenter Study. Gundersen T. **Clin Cardiol** 1985 May; 8(5):253-65

The importance of pre- and postinfarction angina on timolol-related reduction in mortality and reinfarction. Gundersen T, et al. **Clin Cardiol** 1985 Feb;8(2):87-92

Intracoronary streptokinase therapy in the coronary care unit for acute myocardial infarction. Natarajan N, et al. **Clin Cardiol** 1984 Nov;7(11):583-7

Hemodynamic dose-response effects of flecainide in acute myocardial infarction with and without left ventricular decompensation. Jackson N, et al. **Clin Pharmacol Ther** 1985 Jun;37(6):619-24

Circulatory effects of intravenous and oral acebutolol in acute myocardial infarction. Silke B, et al. **Clin Pharmacol Ther** 1985 Sep;38(3):266-72

Beta-blocker heart attack trial: design, methods, and baseline results. Beta-blocker heart attack trial research group. Byington RP. **Controlled Clin Trials** 1984 Dec;5(4):382-437

Statistical aspects of early termination in the beta-blocker heart attack trial. DeMets DL, et al. **Controlled Clin Trials** 1984 Dec;5(4):362-72

Intracoronary thrombolytic treatment in myocardial infarction and unstable angina pectoris. Cervenka V, et al. **Cor Vasa** 1985;27(1):1-10

Haemodynamic effects of Isodinit (isosorbide dinitrate) in acute myocardial infarction. Daskalov TR, et al. **Cor Vasa** 1985;27(1):11-22

Late results of reperfusion with intracoronary streptokinase. Hugenholtz PG, et al. **Cor Vasa** 1985;27(2-3):125-35

Evaluation of the effect of nifedipine in men after myocardial infarction. Málek I, et al. **Cor Vasa** 1984;26(4):248-56

Results of long-term propranolol treatment in myocardial infarction survivors with advanced grades of ventricular extrasystoles. Mazur NA, et al. **Cor Vasa** 1984;26(4):241-7

IV nitroglycerin vs. nitroprusside treatment of myocardial ischemia [letter] Sarvotham SS, et al. **Crit Care Med** 1985 Mar;13(3):212-3

The role of beta-blocking agents following myocardial infarction. Vlasses PH, et al. **Drug Intell Clin Pharm** 1985 Jul-Aug;19(7-8):581-2

Abstracts of papers presented at an international symposium on the role of beta-blockade in acute myocardial ischaemia and infarction, Rome, October 29-30, 1984. **Drugs** 1985 Jan;29 Suppl 1:1-8

Combined receptor intervention and myocardial infarction. Chamberlain DA, et al. **Drugs** 1984;28 Suppl 2:88-108 (48 ref.)

Beta-adrenoceptor blockers. An update on their role in acute myocardial infarction. Norris RM. **Drugs** 1985 Feb; 29(2):97-104 (31 ref.)

Coronary thrombolysis for evolving myocardial infarction. Spann JF, et al. **Drugs** 1984 Nov;28(5):465-83 (59 ref.)

Metoprolol in acute myocardial infarction (MIAMI). A randomised placebo-controlled international trial. The MIAMI Trial Research Group. **Eur Heart J** 1985 Mar; 6(3):199-226

Verapamil in acute myocardial infarction. The Danish Study Group on Verapamil in Myocardial Infarction. **Eur Heart J** 1984 Jul;5(7):516-28

Abrupt withdrawal of verapamil in ischaemic heart disease. The Danish Study Group on Verapamil in Myocardial Infarction. **Eur Heart J** 1984 Jul;5(7):529-32

Serum sickness complicating intravenous streptokinase therapy in acute myocardial infarction. Alexopoulos D, et al. **Eur Heart J** 1984 Dec;5(12):1010-2

Arrhythmias with brief, high-dose intravenous streptokinase infusion in acute myocardial infarction. Cercek B, et al. **Eur Heart J** 1985 Feb;6(2):109-13

Antiarrhythmic efficacy of combined intravenous and oral mexiletine in acute myocardial infarction. A double blind placebo-controlled study. Halinen MO, et al. **Eur Heart J** 1984 Aug;5(8):675-83

Beneficial effects of intravenous nitroglycerin on haemodynamics and enzymatically estimated infarct size. Korewicki J, et al. **Eur Heart J** 1984 Sep;5(9):697-704

Complexity of enzyme release during acute myocardial infarction in a controlled study with early nifedipine treatment. Loogna E, et al. **Eur Heart J** 1985 Feb; 6(2):114-9

Very early intervention with metoprolol in suspected acute myocardial infarction. Salathia KS, et al. **Eur Heart J** 1985 Mar;6(3):190-8

Selective intracoronary thrombolysis in the coronary care unit without cineangiography. Slany J, et al. **Eur Heart J** 1985 Feb;6(2):105-8

Very early intervention with beta-blockade in acute myocardial infarction [letter] Walsh MJ, et al. **Eur Heart J** 1984 Sep;5(9):771

Haemodynamic effects of oral molsidomine in pump failure complicating myocardial infarction. Drajer S, et al. **Eur J Clin Pharmacol** 1984;27(4):419-22

Pulmonary ventilation in long-term beta-adrenergic blockade after myocardial infarction. Johansen S. **Eur J Clin Pharmacol** 1985;28(1):23-8

Is the intrinsic sympathomimetic activity (ISA) of beta-blocking compounds relevant in acute myocardial infarction? Silke B, et al. **Eur J Clin Pharmacol** 1984; 27(5):509-15

Intravenous streptokinase therapy in acute myocardial infarction: assessment of therapy effects by quantitative 201Tl myocardial imaging (including SPECT) and radionuclide ventriculography. Köhn H, et al. **Eur J Nucl Med** 1984;9(9):408-12

Pharmacological interventions and myocardial infarct size in rat. Kumar C, et al. **Eur J Pharmacol** 1985 Feb 12; 109(1):117-20

Efficacy of intracoronary and intravenous urokinase in acute myocardial infarction. Cernigliaro C, et al. **G Ital Cardiol** 1984 Nov;14(11):927-30

Using beta blockers after MI in the elderly. Danforth J, et al. **Geriatrics** 1985 May;40(5):75-7, 80, 85

Intracoronary streptokinase for acute myocardial infarction. Fergusson DJ, et al. **Hawaii Med J** 1984 Nov;43(11):390, 393

Early experience with intravenous streptokinase in the treatment of acute myocardial infarction in Hilo Hospital. Lim DI. **Hawaii Med J** 1984 Nov;43(11):394-6

Intravenous streptokinase and oral nifedipine in evolving myocardial infarction—a pilot study. Chopra KL, et al. **Indian Heart J** 1984 Nov-Dec;36(6):347-51

A randomized trial of IV streptokinase in evolving acute myocardial infarction: an assessment by selective coronary angiography. Khalilullah M, et al. **Indian Heart J** 1984 Nov-Dec;36(6):339-46

Thrombolytic therapy in acute myocardial infarction [editorial] Sharma GV. **Indian Heart J** 1984 Nov-Dec; 36(6):337-8

Acute effect of nifedipine on left and right ventricular functions in patients with ischaemic heart disease—a radionuclide ventriculography study. Wasir HS, et al. **Indian Heart J** 1984 May-Jun;36(3):147-51

Effect of verapamil, nifedipine and diltiazem on experimental myocardial infarction in rats. Kaur AH, et al. **Indian J Exp Biol** 1985 Jan;23(1):31-4

Overview of the use of perfluorochemicals for myocardial ischemic rescue. Kloner RA, et al. **Int Anesthesiol Clin** 1985 Spring;23(1):115-30 (28 ref.)

Sequential intervention procedures after intracoronary thrombolysis; balloon dilatation, bypass surgery, and medical treatment. Meyer J, et al. **Int J Cardiol** 1985 Mar; 7(3):281-93

Augmented thromboxane A2 generation and efficacy of its blockade in acute myocardial infarction. Tada M, et al. **Int J Cardiol** 1985 Jul;8(3):301-12

Secondary prevention of coronary heart disease. Robinson K, et al. **Ir Med J** 1984 Sep;77(9):300-2

Slate-gray pigmentation of sun-exposed skin induced by amiodarone [letter] Weiss SR, et al. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 1):898-900

Thrombolytic therapy during acute myocardial infarction due to sudden occlusion of the left main coronary artery. Alosilla CE, et al. **J Am Coll Cardiol** 1985 May;5(5):1253-6

Effect of beta-adrenergic blockade with timolol on myocardial blood flow during exercise after myocardial infarction in the dog. Herzog CA, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1174-83

Time from onset of symptoms to thrombolytic therapy: a major determinant of myocardial salvage in patients with acute transmural infarction. Mathey DG, et al. **J Am Coll Cardiol** 1985 Sep;6(3):518-25

Long-term treatment with metoprolol after myocardial infarction: effect on 3 year mortality and morbidity. Olsson G, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1428-37

Measurement of antistreptokinase antibodies [letter] Sigwart U, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1500

Late effects of intracoronary streptokinase on regional wall motion, ventricular aneurysm and left ventricular thrombus in myocardial infarction: results from the Western Washington Randomized Trial. Stratton JR, et al. **J Am Coll Cardiol** 1985 May;5(5):1023-8

Thrombolytic therapy in acute myocardial infarction. Cogswell TL, et al. **J Assoc Physicians India** 1984 May; 32(5):440-6

Sublingual isosorbide dinitrate, topical isosorbide dinitrate and topical nitroglycerine in salvaging ischaemic myocardium. Gupta MC, et al. **J Assoc Physicians India** 1984 Dec;32(12):1023-6

Inability of metoprolol to achieve a sustained limitation of infarct size 24 h after coronary artery embolization in the closed chest dog. Kudoh Y, et al. **J Cardiovasc Pharmacol** 1984 Nov-Dec;6(6):1201-9

Influence of sulfinpyrazone on infarct size, hemodynamics, and arrhythmia following coronary occlusion in the pig. Stäubli RC, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct; 6(5):829-32

Systemic short-term fibrinolysis with high-dose streptokinase in acute myocardial infarction: time course of biochemical parameters. Golf SW, et al. **J Clin Chem Clin Biochem** 1984 Nov;22(11):723-9

The electrocardiogram in patients with acute myocardial infarctions treated with intracoronary Streptokinase infusion. Niggemann B, et al. **J Electrocardiol** 1984 Jul; 17(3):263-9

Left ventricular function in acute myocardial infarction before and after oxyfedrine. Agrawal BV, et al. **J Indian Med Assoc** 1985 Jan;83(1):11-4

Coronary thrombolysis for acute myocardial infarction: which agent and by what route? Glancy DL. **J La State Med Soc** 1985 Mar;137(3):51-61

Myocardial infarction: hospital and home management in Northern Ireland. McIlmoyle EL, et al. **J R Coll Gen Pract** 1985 Jun;35(275):280-3

Myocardial surgical revascularization after streptokinase treatment for acute myocardial infarction. Losman JG, et al. **J Thorac Cardiovasc Surg** 1985 Jan;89(1):25-34

Assessment of double-blindness at the conclusion of the beta-Blocker Heart Attack Trial. Byington RP, et al. **JAMA** 1985 Mar 22-29;253(12):1733-6

Recombinant plasminogen agent continues to show promise in trials [news] Goldsmith MF. **JAMA** 1985 Mar 22-29; 253(12):1693-4

Double-blind as a BHAT [letter] Spodick DH. **JAMA** 1985 Aug 9;254(6):755

Rabbit hearts for the critical evaluation of drugs to reduce the size of experimentally produced acute myocardial infarction. Toyooka T, et al. **Jpn Heart J** 1984 Jul; 25(4):623-32

Kinetics of serum creatine kinase and creatine kinase-MB after intracoronary thrombolysis. Bartelsen FM, et al. **Klin Wochenschr** 1985 Jun 3;63(11):499-504

Intravenous propranolol in acute myocardial infarction [letter] **Lancet** 1984 Nov 24;2(8413):1223

Intravenous propranolol in acute myocardial infarction [letter] Norris RM, et al. **Lancet** 1985 Jan 5;1(8419):56

Improved survival after early thrombolysis in acute myocardial infarction. A randomised trial by the Interuniversity Cardiology Institute in The Netherlands. Simoons ML, et al. **Lancet** 1985 Sep 14;2(8455):578-82

Randomised trial of intravenous recombinant tissue-type plasminogen activator versus intravenous streptokinase in acute myocardial infarction. Report from the European Cooperative Study Group for Recombinant Tissue-type Plasminogen Activator. Verstraete M, et al. **Lancet** 1985 Apr 13;1(8433):842-7

Serum magnesium in propranolol-treated patients with acute myocardial infarction. Cohen L, et al. **Magnesium** 1984; 3(3):138-44

Magnesium therapy in acute myocardial infarction--a double-blind study. Morton BC, et al. **Magnesium** 1984; 3(4-6):346-52

Beta-adrenergic blockade may prolong life in post-infarction patients in part by increasing vagal cardiac inhibition. Eckberg DL. **Med Hypotheses** 1984 Dec;15(4):421-32 (59 ref.)

Intravenous streptokinase use in acute myocardial infarction in a community hospital. Akin CD, et al. **Mo Med** 1985 May;82(5):252-4

Intracoronary streptokinase infusion in patients with acute myocardial infarction. Cao DR, et al. **Mo Med** 1984 Dec; 81(12):774-80

The Thrombolysis in Myocardial Infarction (TIMI) trial. Phase I findings. TIMI Study Group. **N Engl J Med** 1985 Apr 4;312(14):932-6

Intracoronary streptokinase for acute myocardial infarction [letter] **N Engl J Med** 1985 Mar 21;312(12):789-90

Thrombolytic therapy for acute myocardial infarction [letter] Gurewich V, et al. **N Engl J Med** 1985 Sep 26;313(13):825

The western Washington randomized trial of intracoronary streptokinase in acute myocardial infarction. A 12-month follow-up report. Kennedy JW, et al. **N Engl J Med** 1985 Apr 25;312(17):1073-8

Intravenous thrombolysis in acute myocardial infarction: a progress report [editorial] Relman AS. **N Engl J Med** 1985 Apr 4;312(14):915-6

Effects of intracoronary streptokinase and intracoronary nitroglycerin infusion on coronary angiographic patterns and mortality in patients with acute myocardial infarction. Rentrop KP, et al. **N Engl J Med** 1984 Dec 6; 311(23):1457-63

Propranolol and infarct size [letter] Silverman HS. **N Engl J Med** 1984 Nov 1;311(18):1186

Effects of bepridil on regional and global myocardial ischemia/reperfusion-induced injury. Jackson CV, et al. **Pharmacology** 1985;30(6):320-32

Thrombolysis in early transmural myocardial infarction. Feasibility and efficacy. Vetrovec GW. **Postgrad Med** 1985 Mar;77(4):58-63, 66-7

Beta blockade during and after myocardial infarction: an overview of the randomized trials. Yusuf S, et al. **Prog Cardiovasc Dis** 1985 Mar-Apr;27(5):335-71

Protective action of a thromboxane synthetase inhibitor in preventing extension of infarct size in acute myocardial infarction. Hock CE, et al. **Prostaglandins Leukotrienes Med** 1985 Mar;17(3):339-46

Nitrates in acute myocardial infarction. Taylor SH. **Scand J Clin Lab Invest [Suppl]** 1984;173:27-32

How much data should be collected in a clinical trial? Experience of the coronary drug project. Canner PL. **Stat Med** 1984 Oct-Dec;3(4):423-33

Drug treatment of acute myocardial infarction. Gara I. **Ther Hung** 1982;30(3):122-6

Follow-up of patients with acute myocardial infarction treated with intravenous streptokinase. Heikinheimo R, et al. **Thromb Res** 1984 Aug 15;35(4):415-9

Systemic effects of BRL 26921 during thrombolytic treatment of acute myocardial infarction. Hoffmann JJ, et al. **Thromb Res** 1985 Mar 1;37(5):567-72

[Venous use of nitroglycerin in acute myocardial infarct] Terzieva L. **Vutr Boles** 1984;23(6):8-13 (50 ref.) **(Bul)**

[Effects of Angelica sinensis on experimental myocardial infarction in dogs] Wang FL. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Jun;4(6):357-8, 351 (Eng. Abstr.) **(Chi)**

[Long-term effect of the therapy by traditional Chinese medicine on 64 cases of acute myocardial infarction after hospital discharge] Zhao GY. **Chung Hsi I Chieh Ho Tsa Chih** 1984 May;4(5):268-9 (Eng. Abstr.) **(Chi)**

[Effect of a combined use of propranolol and nifedipine on experimental myocardial infarct size] Wu GL, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):342-5 (Eng. Abstr.) **(Chi)**

[Clinical effectiveness of a new thrombolytic preparation, Streptodecase] Cazov EI, et al. **Cas Lek Cesk** 1985 Jan 4;124(1):4-9 (Eng. Abstr.) **(Cze)**

[Possibilities of protecting the ischemic focus in the myocardium] Málek I, et al. **Cas Lek Cesk** 1985 Aug 9; 124(32):1011-4 (Eng. Abstr.) **(Cze)**

[Retrospective analysis of cardiotonics, anticoagulants, psychopharmaceuticals and narcotic analgesics in acute myocardial infarct] Lövy O, et al. **Cesk Zdrav** 1985 Feb; 33(2):61-6 (Eng. Abstr.) **(Cze)**

[Does intracoronary thrombolytic therapy in myocardial infarct improve left ventricular function?] Widimský P, et al. **Vnitr Lek** 1985 May;31(5):430-40 (Eng. Abstr.) **(Cze)**

[Thrombolysis with tissue-type plasminogen activator in acute myocardial infarct] Collen D. **Verh K Acad Geneeskd Belg** 1984;46(5):351-8 **(Dut)**

[Thrombolysis in myocardial infarction. Current status. Prospects] Brochier ML. **Ann Cardiol Angeiol (Paris)** 1985 Mar;34(3):119-24 (42 ref.) (Eng. Abstr.) **(Fre)**

[Clinical and hemodynamic tolerance of intravenous diltiazem in the acute phase of myocardial infarction] Gibelin P, et al. **Ann Cardiol Angeiol (Paris)** 1985 Apr 30; 34(4 Pt 2):263-7 (Eng. Abstr.) **(Fre)**

[Beta-blockers in the acute phase of myocardial infarction. Echographic study] Hauer B, et al. **Ann Cardiol Angeiol (Paris)** 1985 Feb;34(2):75-81 (Eng. Abstr.) **(Fre)**

[Use of beta-blockers in the acute phase of myocardial infarction] Marcillac-Desruennes M, et al. **Ann Cardiol Angeiol (Paris)** 1984 Dec;33(8):519-23 (Eng. Abstr.) **(Fre)**

[Hemodynamic effects of intravenous acebutolol in the acute phase of myocardial infarction] Metzger JP, et al. **Ann Cardiol Angeiol (Paris)** 1985 Jun;34(6):377-80 (Eng. Abstr.) **(Fre)**

[Early interruption of antiarrhythmia treatment in the acute phase of infarction complicated by ventricular arrhythmia] Sebbah J, et al. **Ann Cardiol Angeiol (Paris)** 1985 Mar; 34(3):129-32 (Eng. Abstr.) **(Fre)**

[Systemic fibrinolytic treatment in the acute phase of myocardial infarction. Effects on coronary repermeation and left ventricular function] Douste-Blazy P, et al. **Arch Mal Coeur** 1984 Nov;77(12):1322-8 (Eng. Abstr.) **(Fre)**

[Prophylaxis of primary ventricular fibrillation in the acute phase of acute myocardial infarct] Depelchin P, et al. **Rev Med Brux** 1984 Oct;5(8):527-31 (Eng. Abstr.) **(Fre)**

[Anticoagulants in myocardial infarction] Vainsel HL, et al. **Rev Med Brux** 1985 Mar;6(3):151-7 (Eng. Abstr.) **(Fre)**

[Thrombolytic therapy in acute myocardial infarct] Rentrop P, et al. **Dtsch Med Wochenschr** 1985 May 31;110(22):885-9 **(Ger)**

[Problems of hemostatic therapy after myocardial infarct] Tilsner V. **Dtsch Med Wochenschr** 1984 Dec 7; 109(49):1892-4 **(Ger)**

[Intracoronary streptokinase in acute myocardial infarct. Experience with 461 patients] von Essen R, et al. **Dtsch Med Wochenschr** 1985 Apr 12;110(15):570-5 (Eng. Abstr.) **(Ger)**

[Progress in cardiologic therapy. Thrombolysis expanded--prevention possibilities employed early--ACE inhibitors as therapeutic hit] Michel D, et al. **Fortschr Med** 1985 Jan 10;103(1-2):5-7 **(Ger)**

[Thrombolytic therapy of acute heart infarct] Schwarz F, et al. **Internist (Berlin)** 1984 Dec;25(12):713-20 **(Ger)**

[Possibilities of systemic fibrinolysis in acute myocardial infarct] Enenkel W, et al. **Wien Med Wochenschr** 1984 Dec 31;134(23-24):554-7 (Eng. Abstr.) **(Ger)**

[Diagnosis and drug therapy in the postinfarct phase] Kronik G. **Wien Med Wochenschr** 1984 Dec 31;134(23-24):557-63 (Eng. Abstr.) **(Ger)**

[Intracoronary lysis of acute myocardial infarct] Leisch F, et al. **Wien Med Wochenschr** 1984 Dec 31;134(23-24):550-4 (Eng. Abstr.) **(Ger)**

[Secondary prevention of myocardial infarct with anti-arrhythmia drugs and beta receptor blockaders] Mösslacher H. **Wien Med Wochenschr** 1984 Dec 31; 134(23-24):566-72 (Eng. Abstr.) **(Ger)**

[Diagnostic possibilities and therapy in the acute phase of myocardial infarct] Pachinger O. **Wien Med Wochenschr** 1984 Dec 31;134(23-24):545-9 (Eng. Abstr.) **(Ger)**

[Lidocaine elimination and dose adjustment in acute heart infarct and heart insufficiency] Kettner W, et al. **Z Gesamte Inn Med** 1984 Jul 15;39(14):335-42 (Eng. Abstr.) **(Ger)**

[Prevention, clinical aspects and therapy of the side-effects of lidocaine] Kettner W, et al. **Z Gesamte Inn Med** 1984 Oct 15;39(20):501-5 (Eng. Abstr.) **(Ger)**

[Results of local intracoronary fibrinolysis in acute myocardial infarct and the effects of reperfusion on the function of the left ventricle] Müller JH, et al. **Z Gesamte Inn Med** 1984 Dec 1;39(23):573-8 (Eng. Abstr.) **(Ger)**

[Ineffective use of lidocaine in preventing reperfusion arrhythmias in patients with acute myocardial infarct] Kuck KH, et al. **Z Kardiol** 1985 Mar;74(3):185-90 (Eng. Abstr.) **(Ger)**

[Echocardiographic monitoring of acute myocardial infarct following intracoronary streptolysis treatment] Lambertz H, et al. **Z Kardiol** 1984 May;73(5):321-6 (Eng. Abstr.) **(Ger)**

[Hemodynamic aspects of differential therapy of acute myocardial infarct with nitrates] Lehmann HU, et al. **Z Kardiol** 1985;74 Suppl 1:23-9 **(Ger)**

[Short intravenous infusion of streptokinase in acute myocardial infarct] Schröder R. **Z Kardiol** 1984;73 Suppl 2:177-81 (Eng. Abstr.) **(Ger)**

[Spontaneous regression of residential stenosis of the infarct vessel following successful percutaneous transluminal coronary recanalization] Voelker W, et al. **Z Kardiol** 1984 Oct;73(10):634-40 (Eng. Abstr.) **(Ger)**

[MIAMI study--the advantage of acute treatment with metoprolol in AMI (suspected and clear). Metoprolol In Acute Myocardial Infarction] Hjalmarson A. **Boll Soc Ital Cardiol** 1984 Jan-Feb;29(1-2):145-56 (Eng. Abstr.) **(Ita)**

[Status of glucose-insulin-potassium solutions in acute myocardial infarct] Artese D, et al. **Clin Ter** 1985 Jun 30; 113(6):457-65 (Eng. Abstr.) **(Ita)**

[Myocardial infarct in its acute phase. Recent therapeutic acquisitions] Mazza F, et al. **Clin Ter** 1985 Mar 31; 112(6):547-50 (Eng. Abstr.) **(Ita)**

[Mepindolol reduction of the degradation of phospholipids and the necrosis induced by myocardial ischemia] Ambrosio G, et al. **G Ital Cardiol** 1985 Feb;15(2):224-31 (Eng. Abstr.) **(Ita)**

[Intravenous administration of lidocaine and amiodarone in patients with acute myocardial infarction] Capucci A, et al. **G Ital Cardiol** 1985 Mar;15(3):285-9 (Eng. Abstr.) **(Ita)**

[Recent myocardial infarction: role of digitalis therapy in patients with left ventricular dysfunction during exercise who participated in a short-term physical training program] Giordano A, et al. **G Ital Cardiol** 1985 Jan;15(1):15-23 (Eng. Abstr.) **(Ita)**

[Preliminary note on the use of calcium antagonists in ischemic cardiopathy] Seu V, et al. **Minerva Cardioangiol** 1984 Oct;32(10):639-46 (Eng. Abstr.)

(Ita)

[Intracoronary thrombolysis in acute myocardial infarction] Kanmatsuse K, et al. **J Cardiogr** 1984;14 Suppl 3:69-80 (Eng. Abstr.) **(Jpn)**

[Effects of intravenous urokinase infusion in acute myocardial infarction] Mikuriya Y, et al. **Kokyu To Junkan** 1984 Sep;32(9):949-53 (Eng. Abstr.) **(Jpn)**

[The efficacy of prostacyclin (PGI2) and/or OKY-046, a specific thromboxane synthetase inhibitor, in acute myocardial infarction--experimental study] Moriuchi M. **Kokyu To Junkan** 1984 Sep;32(9):955-61 (Eng. Abstr.) **(Jpn)**

[Comparative effects of three calcium antagonists (nifedipine, verapamil and diltiazem) on hemodynamics in recent myocardial infarction] Sakai M, et al. **Kokyu To Junkan** 1985 Feb;33(2):159-64 (Eng. Abstr.) **(Jpn)**

[The effect of captopril in the patient with acute myocardial infarction] Tsuji H, et al. **Kokyu To Junkan** 1984 Aug;32(8):835-9 **(Jpn)**

[Studies on evaluation of recanalization due to coronary thrombolysis in acute myocardial infarction] Nagao K, et al. **Nippon Naika Gakkai Zasshi** 1984 Dec;73(12):1796-804 **(Jpn)**

[Analogs of prostaglandin-related substances and inhibitors of their synthesis and metabolism. Clinical application: cardiovascular diseases] Ogawa K, et al. **Nippon Rinsho** 1985 Mar;43(3):578-82 (16 ref.) **(Jpn)**

[Effect of potassium, glucose and insulin treatment on blood triiodothyronine level in acute myocardial infarction] Dłużniewski M, et al. **Kardiol Pol** 1984;27(11-12):901-6 (Eng. Abstr.) **(Pol)**

[Evaluation of late results of treatment of acute myocardial infarction with intravenous infusions of nitroglycerin and streptokinase based on two-dimensional echocardiography and multipoint electrocardiography] Kuch J, et al. **Wiad Lek** 1984 Dec 1;37(23):1833-40 (Eng. Abstr.) **(Pol)**

[Effect of digoxin on the recovery of the jeopardized ischemic myocardium after experimental myocardial infarction] Ferreira R, et al. **Arq Bras Cardiol** 1984 Jul;43(1):25-36 (Eng. Abstr.) **(Por)**

[Coronarotropic drugs with general vasodilator action in the treatment of acute myocardial infarct] Gherasim L, et al. **Rev Med Interna [Med Interna]** 1984 Sep-Oct;36(5):385-95 **(Rum)**

[Cardiomyocytes of the left ventricle of the heart in experimental infarct and pharmacostimulation (histochemical study)] Engibarian AA, et al. **Arkh Anat Gistol Embriol** 1985 Jan;88(1):62-4 (Eng. Abstr.) **(Rus)**

[Experimental myocardial infarction in atherosclerosis--various methods of pharmacological correction] Irgashev ShB. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):50-7 (Eng. Abstr.) **(Rus)**

[Case of the successful use of intracoronary thrombolytic therapy in the acute period of myocardial infarct] Belozerov GE, et al. **Grudn Khir** 1985 Mar-Apr;(2):84-6 **(Rus)**

[Comparative effects of obsidan and isoptin on the size of myocardial infarction] Agaev MM. **Kardiologiia** 1984 Oct;24(10):63-6 **(Rus)**

[Effect of isoptin (verapamil) on the indicators of central hemodynamics in patients with acute myocardial infarction] Avaliani ShG, et al. **Kardiologiia** 1984 Oct;24(10):55-9 (Eng. Abstr.) **(Rus)**

[Effectiveness of treatment of patients with acute myocardial infarction by intracoronary administration of nitroglycerin and streptokinase] Ekha IaE, et al. **Kardiologiia** 1984 Jul;24(7):56-61 (Eng. Abstr.) **(Rus)**

[Genesis of glycoside poisoning in myocardial infarct and its rational pharmacoprevention] Gendenshtein EI, et al. **Kardiologiia** 1984 Dec;24(12):117-21 (76 ref.) **(Rus)**

[Effect of systemic thrombolytic therapy on necrotic focus formation in myocardial infarct patients] Golikov AP, et al. **Kardiologiia** 1984 Sep;24(9):47-50 (Eng. Abstr.) **(Rus)**

[Combined use of nitrates and beta-adrenergic blockaders in patients with acute myocardial infarct] Gvatua NA, et al. **Kardiologiia** 1985 Apr;25(4):12-7 (Eng. Abstr.) **(Rus)**

[Effect of streptodecase and heparin on the state of hemostasis in patients with acute myocardial infarction] Mazaev AV, et al. **Kardiologiia** 1984 Jul;24(7):62-6 (Eng. Abstr.) **(Rus)**

[Use of nitroglycerin in acute myocardial infarct complicated by mitral insufficiency] Mirrakhimov MM, et al. **Kardiologiia** 1985 Apr;25(4):20-4 (Eng. Abstr.) **(Rus)**

[Clinical experience with the use of nitroglycerin in the acute period of myocardial infarct] Orlov LL, et al. **Kardiologiia** 1984 Sep;24(9):27-31 (Eng. Abstr.) **(Rus)**

[Effect of nitroprusside, nitroglycerin, propranolol and mannitol on the size of a myocardial infarct] Orlov VN, et al. **Kardiologiia** 1985 Apr;25(4):17-20 (Eng. Abstr.) **(Rus)**

[Use of nitroglycerin in the treatment of patients with myocardial infarct] Solov'ev VV, et al. **Kardiologiia** 1984 Oct;24(10):49-54 (Eng. Abstr.) **(Rus)**

[Use of isoptin in the acute period of myocardial infarction (its effect on hemodynamics and myocardial metabolism)] Vakhliaev VD, et al. **Kardiologiia** 1984 Oct;24(10):60-3 (Eng. Abstr.) **(Rus)**

[Possibility of the recurrence of thrombosis during intracoronary administration of streptokinase in acute myocardial infarct] Vol'pert EI, et al. **Kardiologiia** 1984 Oct;24(10):102-3 **(Rus)**

[Use of nipride in patients with acute myocardial infarction with rupture of the interventricular septum] Ershova NV, et al. **Klin Med (Mosk)** 1984 Aug;62(8):132-4 **(Rus)**

[Expedience of using digoxin in acute myocardial infarction] Smolenskiĭ VS, et al. **Klin Med (Mosk)** 1984 Oct;62(10):30-4 (Eng. Abstr.) **(Rus)**

[Effectiveness of the combined use of antioxidants and nucleic acid precursors in experimental myocardial infarct] Engibarian AA. **Patol Fiziol Eksp Ter** 1985 May-Jun;(3):18-22 (Eng. Abstr.) **(Rus)**

[Effect of nitroglycerin on platelet aggregation in acute myocardial infarct] Shilov AM, et al. **Sov Med** 1984;(9):3-7 (Eng. Abstr.) **(Rus)**

[Use of verapamil in acute myocardial infarct] Avaliani ShG, et al. **Ter Arkh** 1984;56(9):54-8 **(Rus)**

[Clinical effectiveness and administration of streptodecase in patients with acute myocardial infarction] Barbakar' NG, et al. **Ter Arkh** 1984;56(11):19-23 (Eng. Abstr.) **(Rus)**

[Intracoronary thrombolytic therapy of myocardial infarction] Khalfen ESh, et al. **Ter Arkh** 1985;57(5):79-84 (Eng. Abstr.) **(Rus)**

[Use of streptodecase in treating myocardial infarct patients] Gvatua NA, et al. **Vrach Delo** 1984 Oct;(10):48-51 (Eng. Abstr.) **(Rus)**

[Effect of nitrates and obsidan on myocardial infarction] Malinovskaia IE, et al. **Vrach Delo** 1985 Jan;(1):56-9 **(Rus)**

[Systemic thrombolysis in acute myocardial infarct] Jedlovský A, et al. **Vnitr Lek** 1985 May;31(5):441-6 (Eng. Abstr.) **(Slo)**

[Hospital course of acute myocardial infarction treated with or without anticoagulants] Hurtado L, et al. **Arch Inst Cardiol Mex** 1984 Sep-Oct;54(5):463-70 (Eng. Abstr.) **(Spa)**

[Beta blockers in ischemic cardiopathy] Cía Gómez P. **Rev Esp Cardiol** 1984;37 Suppl 1:2-8 (59 ref.) (Eng. Abstr.) **(Spa)**

[Myocardial revascularization in the developing phase of myocardial infarction using intracoronary thrombolytic therapy] Puel J, et al. **Rev Med Univ Navarra** 1984 Dec;28(4):43-6 (Eng. Abstr.) **(Spa)**

[Intracoronary thrombolysis using streptokinase in acute myocardial infarction. Pilot study of 12 cases] Andrés P, et al. **Sangre (Barc)** 1984;29(3):233-43 (Eng. Abstr.) **(Spa)**

ECONOMICS

Workshop II: Cost containment issues in acute myocardial infarction and coronary care management--points of view. **Am J Cardiol** 1985 Aug 23;56(5):65C-71C

ENZYMOLOGY

Relationship between different enzymatic estimations of the infarct size. Herlitz J, et al. **Acta Cardiol (Brux)** 1985;40(2):217-28

The adrenochrome pathway. A potential catabolic route for adrenaline metabolism in inflammatory disease. Matthews SB, et al. **Adv Myocardiol** 1985;6:367-81

Late estimation of myocardial infarct size by total creatine kinase nomogram. Shibata T, et al. **Am Heart J** 1985 Jun;109(6):1238-43

Diagnostic and prognostic significance of minimally elevated creatine kinase-MB in suspected acute myocardial infarction. White RD, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1478-84

Time course of serum cardiac enzymes after intracoronary thrombolytic therapy. Creatine kinase, creatine kinase MB isozyme, lactate dehydrogenase, and serum glutamic-oxaloacetic transaminase. Wei JY, et al. **Arch Intern Med** 1985 Sep;145(9):1596-600

Significance of elevated MB creatine kinase in patients after cardiac catheterization. Rosenblum AM, et al. **Cathet Cardiovasc Diagn** 1984;10(6):547-52

CPK and CPK-MB in the early diagnosis of acute myocardial infarction and prediction of infarcted area. Burlina A, et al. **Clin Biochem** 1984 Dec;17(6):356-61

More on 'flipped' lactate dehydrogenase patterns in myocardial infarction [letter] Bruns DE, et al. **Clin Chem** 1984 Nov;30(11):1881-2

Simultaneous measurement of total CK and CK-MB isoenzyme with the CentrifiChem 400 centrifugal analyzer [letter] O'Mullane JA, et al. **Clin Chem** 1984 Oct;30(10):1716

Aberrant creatine kinase and lactate dehydrogenase response in a myocardial infarct patient. Smalley DL, et al. **Clin Chem** 1984 Oct;30(10):1708-9

Diagnosis of myocardial infarction from serum creatine kinase MB isoenzyme (CKMB) measurement. Kerr MM, et al. **Clin Invest Med** 1984;7(4):187-91

Creatine kinase and creatine kinase MB in endurance runners and in patients with myocardial infarction. Stäubli M, et al. **Eur J Appl Physiol** 1985;54(1):40-5

Effect of age and myocardial infarction on serum and heart lactic dehydrogenase. Asha S, et al. **Exp Gerontol** 1985;20(1):67-70

On modelling of enzyme release from infarcted myocardium and estimation of infarction size. Mandal M, et al. **Indian Heart J** 1985 Jan-Feb;37(1):43-53

Serial serum 5'-nucleotidase and S.G.O.T. levels in acute myocardial infarction. Singh A, et al. **Indian J Med Sci** 1985 Jan;39(1):1-4

Serial determinations of serum enzymes following aorta-coronary bypass surgery and acute myocardial infarction. Miyazawa K, et al. **Jpn Heart J** 1985 Jan;26(1):45-52

Distribution of cytosolic and mitochondrial aspartate aminotransferase in normal, ischemic, and necrotic myocardium. An immunohistochemical study. Siegel RJ, et al. **Lab Invest** 1984 Dec;51(6):648-54

[Retrospective evaluation of indicators of cardiospecific blood isoenzyme activity in patients with stenocardia and primary and recurrent myocardial infarction] Makarovskiĭ VV, et al. **Ter Arkh** 1985;57(5):62-8 (Eng. Abstr.) **(Rus)**

[New monoclonal antibody technic in determination of CKMB in serum from patients with acute heart symptoms] Ronquist G, et al. **Lakartidningen** 1985 May 1;82(18):1672-3 (Eng. Abstr.) **(Swe)**

ETIOLOGY

Exercise-induced myocardial infarction due to coronary thrombosis. Barold SS, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):590-3

Myocardial infarction: thoughts about pathogenesis and the role of coronary artery spasm. Conti CR. **Am Heart J** 1985 Jul;110(1 Pt 1):187-93

Evaluation of habitual excessive alcohol consumption on myocardial infarction risk in coronary disease patients. Deutscher S, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):988-95

Acute myocardial infarction following asymptomatic ST elevation despite diltiazem therapy. Egashira K, et al. **Am Heart J** 1985 Feb;109(2):379-80

Unrecognized myocardial infarction and hypertension: the Framingham Study. Kannel WB, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):581-5

Kawasaki disease complicated by acute myocardial infarction 9 years after onset. Ohyagi A, et al. **Am Heart J** 1985 Sep;110(3):670-2

Acute right ventricular infarction resulting from intracardiac infusion of hyperosmotic hyperalimentation solutions. King TC, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1659-60

Coronary arterial embolus from left atrial myxoma. Rath S, et al. **Am J Cardiol** 1984 Dec 1;54(10):1392-3

Follow-up after coronary arterial reperfusion with intravenous streptokinase in relation to residual myocardial infarct artery narrowings. Schröder R, et al. **Am J Cardiol** 1985 Feb 1;55(4):313-7

Conversion from chronic to acute coronary artery disease: speculation regarding mechanisms. Willerson JT, et al. **Am J Cardiol** 1984 Dec 1;54(10):1349-54

Alcoholic beverages and myocardial infarction in young men. Kaufman DW, et al. **Am J Epidemiol** 1985 Apr;121(4):548-54

Myocardial ischemia due to obstruction of an aortocoronary bypass graft by intraoperative positioning. Weinlander CM, et al. **Anesth Analg** 1985 Sep;64(9):933-6

Perianesthetic ischemic episodes cause myocardial infarction in human--a hypothesis confirmed [editorial] Lowenstein E. **Anesthesiology** 1985 Feb;62(2):103-6

Does perioperative myocardial ischemia lead to postoperative myocardial infarction? Slogoff S, et al. **Anesthesiology** 1985 Feb;62(2):107-14

Acute anterior wall myocardial infarction secondary to blunt chest trauma. Anto MJ, et al. **Angiology** 1984 Dec;35(12):802-4

Inflammation and the onset of myocardial infarction. Spodick DH. **Ann Intern Med** 1985 May;102(5):699-702

Myocardial infarction after diet-induced warfarin resistance. Walker FB 4th. **Arch Intern Med** 1984 Oct;144(10):2089-90

The risk of cerebrovascular and cardiovascular disease in patients with anterior ischemic optic neuropathy. Guyer DR, et al. **Arch Ophthalmol** 1985 Aug;103(8):1136-42

Operative risk factors associated with unstable angina pectoris. Eugene J, et al. **Arch Surg** 1985 Mar;120(3):279-82

Serum triglycerides are a risk factor for myocardial infarction but not for angina pectoris. Results from a 10-year follow-up of Uppsala primary preventive study. Aberg H, et al. **Atherosclerosis** 1985 Jan;54(1):89-97

Thromboembolism in the pathogenesis of myocardial infarcts in rats fed a thrombogenic diet [letter] Wilson RB. **Atherosclerosis** 1985 Mar;54(3):347-9

Temporal and spatial development of infarcts in porcine hearts. Klein HH, et al. **Basic Res Cardiol** 1984 Jul-Aug;79(4):440-7

Behçet's syndrome presenting as myocardial infarction with impaired blood fibrinolysis. Hutchison SJ, et al. **Br Heart J** 1984 Dec;52(6):686-7

Myocardial infarction with normal coronary arteries and factor XII deficiency. Penny WJ, et al. **Br Heart J** 1985 Feb;53(2):230-4

Acute myocardial infarction associated with systemic lupus erythematosus documented by coronary arteriograms. Takatsu Y, et al. **Chest** 1985 Jul;88(1):147-9

Unstable angina with fatal outcome: dynamic coronary thrombosis leading to infarction and/or sudden death. Autopsy evidence of recurrent mural thrombosis with peripheral embolization culminating in total vascular occlusion. Falk E. **Circulation** 1985 Apr;71(4):699-708

The value of the radionuclide angiogram in the prediction of perioperative myocardial infarction in patients undergoing lower extremity revascularization procedures. Pasternack PF, et al. **Circulation** 1985 Sep;72(3 Pt 2):II13-7

Postural changes in diastolic blood pressure and the risk of myocardial infarction: the Normative Aging Study. Sparrow D, et al. **Circulation** 1984 Oct;70(4):533–7

Myocardial infarction and the weather: a significant positive correlation between the onset of heart infarct and 28 KHz atmospherics—a pilot study. Ruhenstroth-Bauer G, et al. **Clin Cardiol** 1985 Mar;8(3):149–51

Prevalence and mortality of acute myocardial infarction in patients with diabetes. Rytter L, et al. **Diabetes Care** 1985 May–Jun;8(3):230–4

Isolated systolic hypertension and its relationship to the risk of myocardial infarction, cerebrovascular disease and death in a middle-aged population. Tuomilehto J, et al. **Eur Heart J** 1984 Sep;5(9):739–44

Cardiac papillary fibroelastoma: a source of coronary artery emboli and myocardial infarction. Fine G, et al. **Henry Ford Hosp Med J** 1984;32(3):204–8

Acute myocardial infarction: contusion due to blunt and blast injury to chest. Khare S. **Indian Heart J** 1984 May–Jun; 36(3):186–7

Is there an association between myocardial infarction and geomagnetic activity? Bellossi A, et al. **Int J Biometeorol** 1985 Mar;29(1):1–6

Coronary thrombosis and subsequent lysis after a marathon. Chan KL, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1322–5

Right ventricular myocardial infarction in patients with chronic lung disease: possible role of right ventricular hypertrophy. Kopelman HA, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1302–7

Intractable heart failure, conduction disturbances and myocardial infarction by massive myocardial invasion of malignant lymphoma. Miyazaki T, et al. **J Am Coll Cardiol** 1985 Oct;6(4):937–41

Myocardial infarction associated with supravalvular aortic stenosis. Terhune PE, et al. **J Pediatr** 1985 Feb;106(2):251–4

Cafe coronary. Raza M, et al. **JPMA** 1984 Oct;34(10):320–1

Nonbacterial thrombotic endocarditis as a cause of cerebral and myocardial infarction. Kuramoto K, et al. **Jpn Circ J** 1984 Sep;48(9):1000–6

Essential thrombocythaemia and recurrent myocardial infarction [letter] Douste-Blazy P, et al. **Lancet** 1984 Oct 27;2(8409):992

Thrombosis in myocardial infarction [letter] Poole-Wilson PA, et al. **Lancet** 1985 Mar 30;1(8431):749–50

The combined role of atheroma, cholesterol, platelets, the endothelium and fibrin in heart attacks and strokes. Martin W. **Med Hypotheses** 1984 Nov;15(3):305–22

Stress, type-A behaviour and infarction [editorial] Freeman Z. **Med J Aust** 1985 Jan 7;142(1):5–6

Factors predisposing to intraoperative myocardial infarction during coronary artery bypass surgery. Schneider RR, et al. **Mt Sinai J Med (NY)** 1985 Feb;52(2):123–9

Myocardial infarction in a young obese male. **Nutr Rev** 1985 Feb;43(2):49–51

Acute myocardial infarction with normal coronary arteries—viral myopericarditis and possible coronary vasospasm. A case report. Diamond TH, et al. **S Afr Med J** 1985 Jun 1;67(22):892–4

Ergometrine-provoked coronary vasospasm on angiography without angina or ischaemia on ECG. A case report. Przybojewski JZ, et al. **S Afr Med J** 1984 Oct 20; 66(16):619–22

Acute transmural myocardial infarction—coronary vasospasm, thrombosis or coronary embolus? A case report. Przybojewski JZ. **S Afr Med J** 1984 Oct 27;66(17):658–62

Myocardial infarction in young adults—etiology, prognosis, and follow-up. Talley RC. **SD J Med** 1985 Mar;38(3):11–8

[Pure arrhythmic form of the pre-infarction syndrome or spasm responsible for myocardial necrosis] Delaye J, et al. **Arch Mal Coeur** 1985 Jul;78(7):1119–23 (Eng. Abstr.) **(Fre)**

[Posttraumatic infarction with a surgically treated floating thrombus of the left ventricle. Apropos of a case] Dupont T, et al. **Arch Mal Coeur** 1984 Oct;77(10):1141–5 (Eng. Abstr.) **(Fre)**

[Role of tobacco and oral contraception in myocardial infarction in the female. Description of a case] Leone A, et al. **Pathologica** 1984 Jul–Aug;76(1044):493–8 (Eng. Abstr.) **(Fre)**

[Myocardial infarction and meteorology (letter)] Jullien JL. **Presse Med** 1985 Jun 29;14(26):1432 **(Fre)**

[Cardiac hemangioma and nonobstructive cardiomyopathy disclosed by myocardial infarction of adiastolic type (letter)] Saissy JM, et al. **Presse Med** 1985 Jun 22; 14(25):1388 **(Fre)**

[Biorhythms and myocardial infarct] Burgat JM. **Schweiz Rundsch Med Prax** 1985 Apr 16;74(16):415–7 (Eng. Abstr.) **(Fre)**

[Vasospastic syndrome in a young women with migraine, Raynaud's disease, cerebral ischemia and myocardial infarction] Lüthi R, et al. **Schweiz Med Wochenschr** 1984 Oct 20;114(42):1465–9 (Eng. Abstr.) **(Ger)**

[Myocardial infarction in a patient with multiple coronary aneurysms] Piscione F, et al. **Boll Soc Ital Cardiol** 1984 Nov;29(11):585–90 (Eng. Abstr.) **(Ita)**

[Smoking and acute myocardial infarct in the aged] Panuccio D, et al. **G Clin Med** 1984 Jul–Aug;65(7–8):325–33 (Eng. Abstr.) **(Ita)**

[Acute myocardial infarction in a 13-year-old boy with Duchenne's disease] Cuccia C, et al. **G Ital Cardiol** 1984 Oct;14(10):817–20 (Eng. Abstr.) **(Ita)**

[Risk factors in acute myocardial infarct and cerebral ischemic disease] Negri M, et al. **Minerva Med** 1985 Sep 15;76(34–35):1521–7 (Eng. Abstr.) **(Ita)**

[A case of myocardial infarction related to total cystectomy and ileal conduit diversion under general anaesthesia] Izumi T, et al. **Hinyokika Kiyo** 1984 Jul;30(7):919–24 (Eng. Abstr.) **(Jpn)**

[Autopsy case of primary dissecting aneurysm of the right coronary artery] Nakamura Y, et al. **Kokyu To Junkan** 1984 Nov;32(11):1201–6 (Eng. Abstr.) **(Jpn)**

[A case of post-operative valvular heart disease with angina pectoris and acute myocardial infarction probably due to coronary spasm] Hiasa Y, et al. **Kyobu Geka** 1984 Aug;37(9 Suppl):699–703 (Eng. Abstr.) **(Jpn)**

[Two cases of subendocardial infarction associated with subacute thyroiditis] Yasuda M, et al. **Nippon Naika Gakkai Zasshi** 1984 Sep;73(9):1347–52 **(Jpn)**

[Primary dissecting aneurysm of the left coronary artery. An unusual cause of myocardial infarction] Mangschau A, et al. **Tidsskr Nor Laegeforen** 1984 Sep 20;104(26):1813–4 (Eng. Abstr.) **(Nor)**

[Myocardial infarction after aortocoronary bypass] Moll J, et al. **Kardiol Pol** 1984;27(9):725–9 (Eng. Abstr.) **(Pol)**

[Blood platelets and myocardial infarction] Musiał J, et al. **Pol Tyg Lek** 1984 Dec 10;39(50):1665–8 (60 ref.) **(Pol)**

[Physical work on recreational gardening plots and myocardial infarction] Forkiewicz M, et al. **Wiad Lek** 1985 Jan 1;38(1):1–4 (Eng. Abstr.) **(Pol)**

[Myocardial infarction in an athlete] Szczerbiński A. **Wiad Lek** 1984 Dec 15;37(24):1961–3 (Eng. Abstr.) **(Pol)**

[Prognostic significance of the state of the blood coagulation system for the development of myocardial infarction and sudden death in patients with ischemic heart disease] Deriagina GP. **Kardiologiia** 1984 Oct;24(10):69–73 (Eng. Abstr.) **(Rus)**

[Prognosis of the course of ischemic heart disease after posterior myocardial infarction] Popov VG, et al. **Klin Med (Mosk)** 1984 Aug;62(8):22–7 (Eng. Abstr.) **(Rus)**

[Acute intermittent porphyria and necrotic lesions of the myocardium] Bakshis IP, et al. **Ter Arkh** 1984;56(8):145–6 **(Rus)**

[Easing of nervous tension as a risk factor in the development of myocardial infarction] Vseliubskiĭ GA, et al. **Voen Med Zh** 1984 Dec;(12):35–7 **(Rus)**

[Myocardial infarction in a patient with cardiac myxoma] Bugaenko VV, et al. **Vrach Delo** 1985 Jan;(1):59–60 **(Rus)**

[Acute surgical diseases of the abdominal organs associated with myocardial infarction] Pekush AP, et al. **Vrach Delo** 1985 Jun;(6):21–4 **(Rus)**

[Myocardial infarct after injury by lightening] Funiak S, et al. **Vnitr Lek** 1984 Nov;30(11):1118–21 (Eng. Abstr.) **(Slo)**

[The role of the cardiac surgeon in percutaneous transluminal coronary angioplasty. Results at the Hospital de la Santa Creu i Sant Pau] Caralps JM, et al. **Rev Esp Cardiol** 1985; 38 Suppl 1:62–4 (Eng. Abstr.) **(Spa)**

[Pathological anatomy of coronary dilatation by transluminal angioplasty. Report of a case and review of the literature] García J, et al. **Rev Esp Cardiol** 1985;38 Suppl 1:50–2 (Eng. Abstr.) **(Spa)**

[Acute myocardial infarction in young persons. Risk factors and coronariographic study] Martín Jadraque L, et al. **Rev Esp Cardiol** 1985 May–Jun;38(3):180–3 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Family history of myocardial infarction as an independent risk factor for coronary heart disease. Friedlander Y, et al. **Br Heart J** 1985 Apr;53(4):382–7

The relationship of plasma ionized calcium to cardiovascular disease endpoint and family history of hypertension. Hunt SC, et al. **Clin Exp Hypertens [A]** 1984;6(8):1397–414

Genetic polymorphisms of apolipoprotein C-III and insulin in survivors of myocardial infarction. Ferns GA, et al. **Lancet** 1985 Aug 10;2(8450):300–3

Interpretation of presence of S2 allele [letter] Kessling AM, et al. **Lancet** 1985 Aug 31;2(8453):510–1

[Myocardial infarction with normal coronary vessels in young subjects. Apropos of 2 cases with an interval of 2 months in 2 brothers aged 32 and 34] Poupet JY, et al. **Ann Cardiol Angeiol (Paris)** 1985 Apr 30;34(4 Pt 2):247–51 (Eng. Abstr.) **(Fre)**

[Lipoprotein Lp(a) as a risk factor for heart infarct—a family study] Klein G, et al. **Wien Med Wochenschr** 1984 Sep 30;134(18):403–8 (Eng. Abstr.) **(Ger)**

[Acute myocardial infarction in brothers with peptic ulcer] Bakaliuk OI, et al. **Vrach Delo** 1985 Jun;(6):24–5 **(Rus)**

IMMUNOLOGY

Complement activation after myocardial infarction. Earis JE, et al. **Chest** 1985 Feb;87(2):186–90

Distribution of T-lymphocyte subsets in patients with vascular diseases. Horváth M, et al. **Cor Vasa** 1984; 26(6):429–37

[Immunologic aspects of ischemic heart disease in women of reproductive age] Zemánková J, et al. **Vnitr Lek** 1984 Aug;30(8):732–9 (Eng. Abstr.) **(Cze)**

[Immunological indices in acute myocardial infarct depending on the period of the disease and the presence of circulatory failure] Baranovskiĭ PV. **Kardiologiia** 1985 Apr;25(4):104–5 **(Rus)**

[Clinical importance of determining the level of circulating immune complexes in patients in the acute period of myocardial infarct] Korochkin IM, et al. **Kardiologiia** 1985 Feb;25(2):58–60 **(Rus)**

[Function of the monocyte link in the mononuclear phagocytosing system in acute myocardial infarct] Sinitsyn SP, et al. **Kardiologiia** 1985 Feb;25(2):96–8 **(Rus)**

[Detection of sensitized lymphocytes in myocardial infarct by the active rosette formation inhibition reaction] Reĭzenbuk VG, et al. **Lab Delo** 19[illegible];(1):38–40 (Eng. Abstr.) **(Rus)**

[Autoimmune reactions to myoglobin in myocardial infarct patients] Mirrakhimov MM, et al. **Ter Arkh** 1984; 56(10):53–6 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the immune complex in myocardial infarct, bronchial asthma and rheumatoid arthritis] Rudyk BI, et al. **Ter Arkh** 1984;56(10):17–9 **(Rus)**

[Pathogenesis of acute myocardial infarction. I. Complement activation in vivo and development of infarction] Reyes PA, et al. **Arch Inst Cardiol Mex** 1984 Jul–Aug; 54(4):327–32 (Eng. Abstr.) **(Spa)**

METABOLISM

Kinetics of disopyramide after intravenous infusion to patients with myocardial infarction and heart failure. Bonde J, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Apr; 56(4):278–82

Identification of hydrogen peroxide and hydroxyl radicals as mediators of leukocyte-induced myocardial dysfunction. Limitation of infarct size with neutrophil inhibition and depletion. Hess ML, et al. **Adv Myocardiol** 1985;5:159–75

Nuclear magnetic resonance analysis of acute and chronic myocardial infarction in dogs: alterations in spin-lattice relaxation times. Brown JJ, et al. **Am Heart J** 1984 Nov; 108(5):1292–7

Myocardial adenine pool depletion and recovery of mechanical function following ischemia. Humphrey SM, et al. **Am J Physiol** 1985 May;248(5 Pt 2):H644–51

Fibrinolysis and plasminogen concentration in aortic intima in relation to death following myocardial infarction. Smith EB, et al. **Atherosclerosis** 1985 May;55(2):171–86

Preferential uptake of intravenously administered hyaluronidase (Hyalosidase) by damaged rat myocardium. Earnshaw JS, et al. **Biosci Rep** 1985 Apr;5(4):329–34

Assessment of fibrosis in infarcted human hearts by analysis of ultrasonic backscatter. Hoyt RH, et al. **Circulation** 1985 Apr;71(4):740–4

Age-dependent lidocaine disposition in patients with acute myocardial infarction. Cusson J, et al. **Clin Pharmacol Ther** 1985 Apr;37(4):381–6

Disopyramide pharmacokinetics in patients with acute myocardial infarction. Pentikäinen PJ, et al. **Eur J Clin Pharmacol** 1985;28(1):45–51

Depletion of myocardial potassium as a function of age and experimental necrosis. Asha Devi S. **Indian J Exp Biol** 1984 Mar;22(3):161–3

Diuretic effect and duration of action of a single intravenous dose of furosemide in uremia and myocardial infarction. Farghali H, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Dec;22(12):659–64

Lactate metabolism in acute myocardial infarction and its relation to regional ventricular performance. Hattori R, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1283–91

Liposome kinetics in infarcted canine myocardium. Caride VJ, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec; 6(6):996–1005

Effects of endogenously produced leukotrienes, thromboxane, and prostaglandins on coronary vascular resistance in rabbit myocardial infarction. Evers AS, et al. **J Clin Invest** 1985 Mar;75(3):992–9

DNA synthesis in rat atrial myocytes as a response to left ventricular infarction. An autoradiographic study of enzymatically dissociated myocytes. Oberpriller JO, et al. **J Mol Cell Cardiol** 1984 Dec;16(12):1119–26

Studies on collagen in the experimental myocardial infarction. Sekita S, et al. **Jpn Circ J** 1985 Feb;49(2):171–8

Temporal changes in 12-HETE formation in two models of canine myocardial infarction. McCluskey ER, et al. **Prostaglandins** 1985 Mar;29(3):387–403

Insulin response to oral glucose in young, non-obese Indian males with myocardial infarction. Sewdarsen M, et al. **S Afr Med J** 1984 Oct 6;66(14):523–5

Correlation link between the size of limitrophe area and the level of radically-free peroxide oxidation of lipides (RPOL) within the evolutionary infarct area with rats. Ambaga M, et al. **Sante Publique (Bucur)** 1984;27(4):315–27

[Concentrations of various elements in the myocardium of persons who died of myocardial infarction and other arteriosclerosis-related conditions in localities supplied with drinking water of various degrees of hardness] Nowosielecka-Derus E. **Kardiol Pol** 1985;28(1):17–22 (Eng. Abstr.) **(Pol)**

[Lipid peroxidation in the myocardium in experimental infarct] Savov VM, et al. **Biol Nauki** 1985;(5):30–3 (Eng. Abstr.) **(Rus)**

[ATPase activity of the heart microsomes, the regulation of calcium transport in the microsomes and the calmodulin content in experimental myocardial infarct] Antipenko AE, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):152–4 (Eng. Abstr.) **(Rus)**

[Protein-synthesizing function of the liver of rabbits in experimental myocardial infarct] Lekis AV, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):57–60 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in experimental myocardial infarct: the action of hyperbaric oxygenation] Meerson FZ, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):398–400 (Eng. Abstr.) **(Rus)**

[Uric acid metabolism in the acute period of myocardial infarct] Arsent'ev FV, et al. **Kardiologiia** 1985 Apr; 25(4):106–7 **(Rus)**

[Prostaglandins in myocardial infarct] Kinoshenko EI. **Kardiologiia** 1985 Apr;25(4):116–20 (80 ref.) **(Rus)**

[Effect of the antioxidant alpha-tocopherol acetate on organ-specific liver enzyme activity in acute myocardial infarct] Rysmendiev AZh, et al. **Kardiologiia** 1984 Nov; 24(11):108–11 **(Rus)**

[Lipid peroxidation in the evaluation of healing of myocardial infarction] Malaia LT, et al. **Ter Arkh** 1985;57(5):52–8 (Eng. Abstr.) **(Rus)**

[Structural and functional modifications of phospholamban and regulation of calcium transport in the sarcoplasmic reticulum under conditions of metabolic cardiac insufficiency.] Antipenko AE, et al. **Ukr Biokhim Zh** 1985 Mar–Apr;57(2):10–5 (Eng. Abstr.) **(Rus)**

[Mechanism of action of sodium oxybutyrate in experimental myocardial infarction] Bashirova NS, et al. **Vopr Med Khim** 1985 May–Jun;31(3):61–4 (Eng. Abstr.) **(Rus)**

[Energy metabolism in the cerebral cortex in necrosis of the myocardium] Davydov VV, et al. **Vopr Med Khim** 1985 May–Jun;31(3):89–93 (Eng. Abstr.) **(Rus)**

[Changes in the phospholipid-phospholipid ratio and lipid peroxidation in the heart muscle in experimental myocardial infarction before and after combined antioxidant therapy] Engibarian AA, et al. **Vopr Med Khim** 1985 Jan–Feb;31(1):43–7 (Eng. Abstr.) **(Rus)**

[Polymerization of Straub's actin in patients with myocardial infarction and in experimental occlusion of coronary arteries] Karsanov NV, et al. **Vopr Med Khim** 1985 May–Jun;31(3):53–7 (Eng. Abstr.) **(Rus)**

[Ca2+-dependent phosphorylation and ATPase activity of cardiac muscle myosin in experimental myocardial infarction] Printsev MD, et al. **Vopr Med Khim** 1984; 30(6):68–71 (Eng. Abstr.) **(Rus)**

[The effect of trimepranol on metabolism in the ischemic heart muscle] Gvozdják J, et al. **Vnitr Lek** 1985 Mar; 31(3):209–15 (Eng. Abstr.) **(Slo)**

MORTALITY

Relationship between enzymatically estimated infarct size and short- and long-term survival after acute myocardial infarction. Herlitz J, et al. **Acta Med Scand** 1984; 216(3):261–7

High mortality early reinfarction with first nontransmural myocardial infarction. Hollander G, et al. **Am Heart J** 1984 Dec;108(6):1412–6

Smoking status at the time of acute myocardial infarction and subsequent prognosis. Kelly TL, et al. **Am Heart J** 1985 Sep;110(3):535–41

Effect of digitalis treatment on survival after acute myocardial infarction. Bigger JT Jr, et al. **Am J Cardiol** 1985 Mar 1;55(6):623–30

Value of programmed stimulation and exercise testing in predicting one-year mortality after acute myocardial infarction. Denniss AR, et al. **Am J Cardiol** 1985 Aug 1; 56(4):213–20

Prediction of mortality during the first year after acute myocardial infarction from clinical variables and stress test at hospital discharge. Fioretti P, et al. **Am J Cardiol** 1985 May 1;55(11):1313–8

Cessation of smoking after myocardial infarction in women. Effects on mortality and reinfarctions. Johansson S, et al. **Am J Epidemiol** 1985 Jun;121(6):823–31

Long-term follow-up after recovery from acute myocardial infarction. Observations on survival, ventricular arrhythmias, and sudden death. Luria MH, et al. **Arch Intern Med** 1985 Sep;145(9):1592–5

Serum linoleic acid and cardiovascular death in postinfarction middle-aged men. Válek J, et al. **Atherosclerosis** 1985 Jan; 54(1):111–8

The fall in mortality from ischemic heart disease in Australia: has survival after myocardial infarction improved? Martin CA, et al. **Aust NZ J Med** 1984 Aug;14(4):435–8

Assessment of the impact of coronary artery surgery on mortality after recovery from myocardial infarction. Thompson PL, et al. **Aust NZ J Med** 1984 Aug; 14(4):424–30

Long term survival of patients mobilised early after acute myocardial infarction. West RR, et al. **Br Heart J** 1985 Mar;53(3):243–7

Identification of patients with improved survival following coronary bypass surgery. Boudoulas H, et al. **Cardiology** 1984;71(5):247–54

Non-Q wave perioperative myocardial infarction: assessment of the incidence and severity of regional dysfunction with quantitative two-dimensional echocardiography. Force T, et al. **Circulation** 1985 Oct;72(4):781–9

Prognosis after extension of myocardial infarct: the role of Q wave or non-Q wave infarction. Maisel AS, et al. **Circulation** 1985 Feb;71(2):211–7

Survival after an experimental myocardial infarction: beneficial effects of long-term therapy with captopril. Pfeffer MA, et al. **Circulation** 1985 Aug;72(2):406–12

Programmed ventricular stimulation in survivors of an acute myocardial infarction. Roy D, et al. **Circulation** 1985 Sep; 72(3):487–94

Coronary artery atherosclerosis observed in men over 14 consecutive years. Murphy ML, et al. **Clin Cardiol** 1985 Feb;8(2):71–6

Long-term prognosis after myocardial infarction in men with diabetes. Ulvenstam G, et al. **Diabetes** 1985 Aug; 34(8):787–92

Recurrent myocardial infarction. 1. Natural history of fatal and non-fatal events. Ulvenstam G, et al. **Eur Heart J** 1985 Apr;6(4):294–302

Survival after hospital discharge in matched populations with inferior or anterior myocardial infarction. Maisel AS, et al. **J Am Coll Cardiol** 1985 Oct;6(4):731–6

Detrimental effect of perioperative myocardial infarction on late survival after coronary artery bypass. Report from the Coronary Artery Surgery Study—CASS. Schaff HV, et al. **J Thorac Cardiovasc Surg** 1984 Dec;88(6):972–81

Epidemiological research in cardiovascular disease in Australia: 1984. Leeder SR, et al. **Med J Aust** 1985 Jan 21;142(2):130–5

Type A behavior and survival after myocardial infarction [letter] **N Engl J Med** 1985 Aug 15;313(7):449–52

Psychosocial influences on mortality after myocardial infarction [letter] **N Engl J Med** 1985 Jan 3;312(1):50–1

Type A behavior and survival after acute myocardial infarction. Case RB, et al. **N Engl J Med** 1985 Mar 21; 312(12):737–41

Trends in the incidence of myocardial infarction and in associated mortality and morbidity in a large employed population, 1957–1983. Pell S, et al. **N Engl J Med** 1985 Apr 18;312(16):1005–11

28-year survival after myocardial infarction with ventricular fibrillation treated by electrical countershock [letter] Weckesser EC. **N Engl J Med** 1985 Jan 24;312(4):248

Switzerland's participation in MONICA. Rickenbach M, et al. **Soz Praventivmed** 1985;30(2):95–9

[Principles, means and potentials for decreasing hospital mortality in acute myocardial infarct] Petrov K. **Vutr Boles** 1985;24(2):36–43 (20 ref.) **(Bul)**

[Prognosis of the immediate outcome in myocardial infarct in diabetes mellitus patients] Tsekov M. **Vutr Boles** 1985; 24(1):75–8 (Eng. Abstr.) **(Bul)**

[Cause of hospital death in acute myocardial infarction] **Chung Hua Nei Ko Tsa Chih** 1984 Jan;23(1):10–3, 61 (Eng. Abstr.) **(Chi)**

[Acute myocardial infarction and respirator treatment. A retrospective prognostic assessment] Johansson G, et al. **Ugeskr Laeger** 1985 Apr 29;147(18):1468–70 (Eng. Abstr.) **(Dan)**

[Long-term survival after myocardial infarction with complicating cardiogenic shock] Kjøler E, et al. **Ugeskr Laeger** 1984 Nov 19;146(47):3631–5 (Eng. Abstr.) **(Dan)**

[Prognosis of myocardial infarction. Introduction] Degeorges M. **Ann Cardiol Angeiol (Paris)** 1985 May;34(5):307–11 **(Fre)**

[Acute myocardial infarct in a metropolitan area] Weiss B, et al. **Dtsch Med Wochenschr** 1985 Jan 4;110(1):15–9 (Eng. Abstr.) **(Ger)**

[Epidemiology and risk factors of myocardial infarct] Klein W. **Wien Med Wochenschr** 1984 Dec 31;134(23–24):524–6 (Eng. Abstr.) **(Ger)**

[10-year survival after myocardial infarction. Longitudinal study of a hospital population] Greco R, et al. **G Ital Cardiol** 1984 Dec;14(12):1015–24 (Eng. Abstr.) **(Ita)**

[In-hospital and long-term prognosis in acute myocardial infarction. Comparative longitudinal study of 2 patient groups] Mauri F, et al. **G Ital Cardiol** 1985 Jan;15(1):10–4 (Eng. Abstr.) **(Ita)**

[Clinical course and cause of death in a second myocardial infarction] Bednarzewski J, et al. **Kardiol Pol** 1984; 27(4):291–6 (Eng. Abstr.) **(Pol)**

[Does stopping tobacco smoking affect long-term prognosis after myocardial infarction?] Bednarzewski J. **Wiad Lek** 1984 Apr 15;37(8):569–76 (Eng. Abstr.) **(Pol)**

[Hospital mortality of patients with recurrent myocardial infarction treated in a cardiological intensive care unit] Bednarzewski J, et al. **Wiad Lek** 1984 Jun 1;37(11):826–30 (Eng. Abstr.) **(Pol)**

[Comparison of mortality rates in the early period of myocardial infarction in various forms of cardiological care] Sterkowicz S, et al. **Wiad Lek** 1985 Mar 1;38(5):397–9 (Eng. Abstr.) **(Pol)**

[Sudden prehospital death from acute coronary insufficiency and myocardial infarct (based on data from the Acute Myocardial Infarct Registry in Vologda)] Banshchikov GT, et al. **Kardiologiia** 1985 Apr;25(4):103–4 **(Rus)**

[Effect of improvement of pre-hospital medical services on mortality in acute myocardial infarction] Gol'dberg GA, et al. **Kardiologiia** 1984 Nov;24(11):100–3 (Eng. Abstr.) **(Rus)**

[Mortality due to myocardial infarct in Serbia (1971–1980)] Vlajinac H, et al. **Srp Arh Celok Lek** 1983 Aug; 111(8):1097–105 (Eng. Abstr.) **(Scc)**

NURSING

[Peculiarities of nursing measures in acute diseases from the internal medicine viewpoint] Reinhardt H. **ZFA** 1985 May–Jun;40(3):183–8 **(Ger)**

OCCURRENCE

Validity of hospital discharge data in a prospective epidemiological study on stroke and myocardial infarction. Heliövaara M, et al. **Acta Med Scand** 1984;216(3):309–15

Four-year incidence of myocardial infarction and sudden coronary death in twelve Finnish population cohorts. Suhonen O, et al. **Acta Med Scand** 1985;217(5):457–64

Coronary atherosclerosis and myocardial infarction in nonagenarians: a retrospective autopsy study. Jónsson A, et al. **Age Ageing** 1985 Mar;14(2):109–12

Acute myocardial infarction: period prevalence, case fatality, and comparison of black and white cases in urban and rural areas of South Carolina. Keil JE, et al. **Am Heart J** 1985 Apr;109(4):776–84

Unrecognized Q-wave myocardial infarction in patients older than 64 years in a long-term health-care facility. Aronow WS, et al. **Am J Cardiol** 1985 Sep 1;56(7):483

Clinicopathological study of the heart and coronary arteries of autopsied cases from the community of Hisayama during a 10-year period. Part V. Comparison of autopsy findings with electrocardiograms—Q.QS items of the Minnesota Code. Hiyoshi Y, et al. **Am J Epidemiol** 1985 Jun; 121(6):906–13

Rupture of the myocardium. Occurrence and risk factors. Dellborg M, et al. **Br Heart J** 1985 Jul;54(1):11–6

Acute myocardial infarction in Asians and whites in Birmingham. Lawrence RE, et al. **Br Med J [Clin Res]** 1985 May 18;290(6480):1472

How common are risk factors among young patients suffering heart attacks [letter] Mulcahy R, et al. **Br Med J [Clin Res]** 1984 Nov 3;289(6453):1228

Myocardial infarction and cerebral infarction in a Danish suburban community. Lyngborg K, et al. **Dan Med Bull** 1985 May;32(2):127–31

Sudden death in men with increased risk of myocardial infarction. The MRFIT Programme. Sherwin R. **Drugs** 1984 Oct;28 Suppl 1:46–53

The determination of the incidence of acute myocardial infarction from hospital morbidity records. Reznik RB, et al. **J Chronic Dis** 1984;37(9–10):733–42

Acute myocardial infarction in the young. Chaithiraphan S, et al. **J Med Assoc Thai** 1985 Apr;68(4):190–7

Myocardial infarction in southern Thailand. Yipintsoi T, et al. **J Med Assoc Thai** 1984 Oct;67(10):535–40

Myocardial infarction and cigarette smoking in women younger than 50 years of age. Rosenberg L, et al. **JAMA** 1985 May 24–31;253(20):2965–9

Trends in the incidence of myocardial infarction in a large employed population [letter] **N Engl J Med** 1985 Oct 10; 313(15):956–7

Serum triglycerides—an independent risk factor for myocardial infarction but not for angina pectoris [letter] Carlson LA, et al. **N Engl J Med** 1985 Apr 25;312(17):1127

Incidence and prognosis of unrecognized myocardial infarction. An update on the Framingham study. Kannel WB, et al. **N Engl J Med** 1984 Nov 1;311(18):1144–7

Myocardial infarction and sudden death in Auckland. Beaglehole R, et al. **NZ Med J** 1984 Oct 24;97(766):715–8

Estrogen use and myocardial infarction risk: a case-control study. Szklo M, et al. **Prev Med** 1984 Sep;13(5):510–6

Cardiac risk factors in TIA patients. Toole JF, et al. **Trans Am Clin Climatol Assoc** 1984;96:154–7

[Epidemiology of myocardial infarct in the region of Polyclinic XXIII] Kokutsov A, et al. **Vutr Boles** 1985; 24(3):53–7 **(Bul)**

[A preliminary analysis of the relation of the incidence of acute myocardial infarction to the meteorological factors in Guangzhou city] **Chung Hua Nei Ko Tsa Chih** 1984 Sep; 23(9):548–50 (Eng. Abstr.) **(Chi)**

[Clinical analysis of 1544 cases of acute myocardial infarction in Shanghai in 1970–1979] Dai RH. **Chung Hua Nei Ko Tsa Chih** 1984 May;23(5):273–80 (Eng. Abstr.) **(Chi)**

[Myocardial infarction in young subjects] Gerbaux A, et al. **Ann Cardiol Angeiol (Paris)** 1984 Dec;33(8):535–41 (Eng. Abstr.) **(Fre)**

[Myocardial infarction in women] Rezgui MN, et al. **Tunis Med** 1984 Jan–Feb;62(1):67–72 (Eng. Abstr.) **(Fre)**

[Acute myocardial infarct in patients under 40 years of age] Katona A, et al. **Orv Hetil** 1985 May 12;126(19):1161–4 (Eng. Abstr.) **(Hun)**

[Monitoring trends in cardiovascular disease incidence and mortality and their determinants: 'Pol-Monica' longitudinal study. I. Methodological principles of the study] Rywik S, et al. **Przegl Lek** 1985;42(2):250–5 (Eng. Abstr.) **(Pol)**

[Monitoring trends in cardiovascular disease incidence and mortality and their determinants: 'Pol-Monica' longitudinal study. III. Principles of standardization and quality control] Rywik S, et al. **Przegl Lek** 1985;42(2):280–6 (Eng. Abstr.) **(Pol)**

[Monitoring trends in cardiovascular disease incidence and mortality and their determinants: 'Pol-Monica' longitudinal study. II. Materials and methods] Rywik S, et al. **Przegl Lek** 1985;42(2):256–79 (Eng. Abstr.) **(Pol)**

[Monitoring trends in cardiovascular disease incidence and mortality and their determinants: 'Pol-Monica' longitudinal study. IV. Myocardial infarction register--methodology and application] Rywik S, et al. **Przegl Lek** 1985; 42(2):287-98 (Eng. Abstr.) **(Pol)**

[Acute myocardial infarction and cerebral stroke among the population of Novosibirsk] Gafarov VV, et al. **Kardiologiia** 1984 Nov;24(11):49-54 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Isolated right ventricular myocardial infarction. A case report. Vesterby A, et al. **Acta Med Scand** 1984; 216(2):233-5

Anesthetics influence myocardial infarct size. Mergner GW, et al. **Adv Myocardiol** 1985;6:593-606

Estimation of inferobasal myocardial infarct size by late activation abnormalities of the QRS complex. Cowan MJ, et al. **Am J Cardiol** 1984 Oct 1;54(7):726-32

Acute myocardial infarction with normal coronary arteries [editorial] Lindsay J Jr, et al. **Am J Cardiol** 1984 Oct 1; 54(7):902-4

Formation of new coronary arteries within a previously obstructed epicardial coronary artery (intraarterial arteries): a mechanism for occurrence of angiographically normal coronary arteries after healing of acute myocardial infarction. Roberts WC, et al. **Am J Cardiol** 1984 Dec 1; 54(10):1361-2

Effect of various regimens of chronic and acute nicotine exposure on myocardial infarct size in the dog. Sridharan MR, et al. **Am J Cardiol** 1985 May 1;55(11):1407-11

Myocardial response to infarction in the rat. Morphometric measurement of infarct size and myocyte cellular hypertrophy. Anversa P, et al. **Am J Pathol** 1985 Mar; 118(3):484-92

Intracoronary hyperosmotic mannitol during reperfusion does not affect infarct size in ischemic, reperfused porcine hearts. Klein HH, et al. **Basic Res Cardiol** 1985 May-Jun; 80(3):251-9

Fentanyl, Na-pentobarbital and halothane influence myocardial infarct size. Mergner GW, et al. **Basic Res Cardiol** 1985 May-Jun;80(3):291-302

Relation of early mononuclear and polymorphonuclear cell infiltration to late scar thickness after experimentally induced myocardial infarction in the rat. Roberts CS, et al. **Basic Res Cardiol** 1985 Mar-Apr;80(2):202-9

Distribution of adipose tissue and risk of cardiovascular disease and death: a 12 year follow up of participants in the population study of women in Gothenburg, Sweden. Lapidus L, et al. **Br Med J [Clin Res]** 1984 Nov 10; 289(6454):1257-61

Comparison of enzymatic and anatomic estimates of myocardial infarct size in man. Hackel DB, et al. **Circulation** 1984 Nov;70(5):824-35

Subendocardial infarction in retrospect: pathologic, cardiographic, and ancillary features. Levine HD. **Circulation** 1985 Oct;72(4):790-800

Failure of the xanthine oxidase inhibitor allopurinol to limit infarct size after ischemia and reperfusion in dogs. Reimer KA, et al. **Circulation** 1985 May;71(5):1069-75

Left ventricular ejection fraction after acute coronary occlusion in conscious dogs: relation to the extent and site of myocardial infarction. Schneider RM, et al. **Circulation** 1985 Sep;72(3):632-8

The relationship between the electrocardiographically estimated infarct size and 1- and 2-year survival in acute myocardial infarction. Herlitz J, et al. **Clin Cardiol** 1985 Mar;8(3):141-7

Myocardial infarct size: correlation with cardiac arrhythmias and sudden death. Grande P, et al. **Eur Heart J** 1984 Aug; 5(8):622-7

Myocardial infarct size limitation. Principles, problems and possibilities. Yellon DM, et al. **G Ital Cardiol** 1984 Nov; 14(11):892-900

Early infarct expansion: structural or functional? Erlebacher JA, et al. **J Am Coll Cardiol** 1985 Oct;6(4):839-44

Lateral border zone: quantitation of lateral extension of subendocardial infarction in the dog. Forman R, et al. **J Am Coll Cardiol** 1985 May;5(5):1125-31

Effects of beta-adrenergic blockade on the natural progression of myocardial infarct size and compensatory hypertrophy. Slutsky RA, et al. **J Am Coll Cardiol** 1985 May;5(5):1132-7

Computed tomographic analysis of the effects of hyperosmolar mannitol and methylprednisolone on myocardial infarct size. Slutsky RA, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):273-9

Comparative effects of propranolol, timolol and metoprolol on myocardial infarct size after experimental coronary artery occlusion. Vik-Mo H, et al. **J Am Coll Cardiol** 1984 Oct;4(4):735-41

Global cardiac remodeling after acute myocardial infarction: a study in the rat model. Weisman HF, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1355-62

Coronary thrombolysis and infarct size reduction after intravenous infusion of recombinant tissue-type plasminogen activator in nonhuman primates. Flameng W, et al. **J Clin Invest** 1985 Jan;75(1):84-90

Relationship between electrocardiographically and enzymatically estimated size in anterior myocardial infarction. Herlitz J, et al. **J Electrocardiol** 1984 Oct; 17(4):361-70

Adjunctive left ventricular unloading during myocardial reperfusion plays a major role in minimizing myocardial infarct size. Laschinger JC, et al. **J Thorac Cardiovasc Surg** 1985 Jul;90(1):80-5

Macroscopic hemorrhagic infarction following selective coronary thrombolysis in acute myocardial infarction. Fujiwara H, et al. **Jpn Circ J** 1985 Jun;49(6):649-52

Verapamil in two reperfusion models of myocardial infarction. Temporary protection of severely ischemic myocardium without limitation of ultimate infarct size. Reimer KA, et al. **Lab Invest** 1984 Dec;51(6):655-66

Subendocardial infarction [editorial] **Lancet** 1985 Mar 16; 1(8429):615-6

Relationship of coronary-artery thrombosis to myocardial infarction. Stehbens WE. **Lancet** 1985 Sep 21; 2(8456):639-42

Myocardial infarct in disseminated mucormycosis: case report with special emphasis on the pathogenic mechanisms. Tuder RM. **Mycopathologia** 1985 Feb; 89(2):81-8

Subendocardial infarction in two young boys. Cotton DW, et al. **Resuscitation** 1984 Nov;12(3):181-5

Twenty-seven year old postpartum gravida IV para IV with hypotension and chest pain [clinical conference] Johnson KM, et al. **SD J Med** 1984 Sep;37(9):17-22

Histopathologic factors conducive to experimental ventricular tachycardia. Wetstein L, et al. **Surgery** 1985 Sep;98(3):532-9

Histochemistry of sulfhydryls in acute myocardial infarction. Roberts WH, et al. **Virchows Arch [A]** 1985;407(3):289-94

[Effect of Typha angustata on acute experimental myocardial infarction in rabbits] Huang SY, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 May;5(5):297-8, 261 (Eng. Abstr.) **(Chi)**

[Clinico-pathological study on the relationship between the onset of myocardial infarction and coronary artery lesions] Chen ZJ. **Chung Hua Nei Ko Tsa Chih** 1985 Jan;24(1):17-9, 62 (Eng. Abstr.) **(Chi)**

[Myocardial infarction caused by non-atherosclerotic coronary lesions--a clinicopathologic analysis of 16 cases] Huang SF. **Chung Hua Nei Ko Tsa Chih** 1984 Oct; 23(10):606-10 (Eng. Abstr.) **(Chi)**

[Tricuspid insufficiency in posterior infarction caused by occlusion of the right coronary artery. Anatomical study] Penther P, et al. **Arch Mal Coeur** 1985 Jun;78(6):907-12 (Eng. Abstr.) **(Fre)**

[Myocardial infarct--morphology and development] Frenzel H. **Wien Med Wochenschr** 1984 Dec 31;134(23-24):517-24 (Eng. Abstr.) **(Ger)**

[Spurious aneurysm of the heart] Schwesinger G, et al. **Z Gesamte Inn Med** 1985 Mar 1;40(5):158-60 (Eng. Abstr.) **(Ger)**

[Occlusion of the right coronary artery with acute right heart infarct and cardiogenic shock] Tebbe U, et al. **Z Kardiol** 1984 May;73(5):327-32 (Eng. Abstr.) **(Ger)**

[Morphology of the pituitary gland and adrenal cortex in individuals who died from myocardial infarct] Zentay Z, et al. **Morphol Igazsagugyi Orv Sz** 1985 Jan;25(1):39-47 (Eng. Abstr.) **(Hun)**

[Heart rupture in acute infarction. Clinicopathological study of 89 cases] Massini R, et al. **Minerva Cardioangiol** 1984 Dec;32(12):879-86 (Eng. Abstr.) **(Ita)**

[A histopathological study on autopsy cases of non-thrombotic non-occlusive acute myocardial infarction and related cardiac diseases due to coronary insufficiency] Yajima I. **Nippon Ika Daigaku Zasshi** 1984 Oct;51(5):544-56 (Eng. Abstr.) **(Jpn)**

[Relationship between antihyperglycemic drugs and myocardial infarction in the aged--a retrospective study] Itagaki T. **Nippon Ronen Igakkai Zasshi** 1984 Nov; 21(6):523-35 (Eng. Abstr.) **(Jpn)**

[Comparison of acid fuchsin (AF) staining and hematoxylin-basic fuchsin-picric acid (HBFP) staining for demonstration of early myocardial infarction] Ohtani S, et al. **Rinsho Byori** 1984 Sep;32(9):1013-6 **(Jpn)**

[Pericardial hydatid cyst and acute myocardial infarct] Ispas R, et al. **Rev Med Interna [Med Interna]** 1984 May-Jun; 36(3):283-7 (Eng. Abstr.) **(Rum)**

[Morphological characteristics of hemorrhagic myocardial infarction] Galankina IE. **Arkh Patol** 1985;47(2):36-44 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the heart muscle in experimental myocardial infarct following physical training] Megrelishvili GN, et al. **Kardiologiia** 1985 Apr;25(4):89-91 (Eng. Abstr.) **(Rus)**

[Determination of the necrotic mass in inferior myocardial infarct by standard electrocardiography] Vinogradov AV, et al. **Kardiologiia** 1985 Apr;25(4):25-8 (Eng. Abstr.) **(Rus)**

[Clinical significance of the size of the necrotic area and the rate of its formation in the acute period of myocardial infarct] Vinogradov AV, et al. **Kardiologiia** 1984 Sep; 24(9):31-4 (Eng. Abstr.) **(Rus)**

[Determination of the necrotic mass and the rate of its formation in evaluating the severity of acute myocardial infarct] Vinogradov AV, et al. **Lab Delo** 1984;(12):717-9 (Eng. Abstr.) **(Rus)**

[Determining the area of myocardial damage by the method of sectorial scanning and its value for prognosis of the outcome of acute myocardial infarction] Charchoglian RA, et al. **Ter Arkh** 1985;57(5):68-72 (Eng. Abstr.) **(Rus)**

[Myocardial infarct in rheumatic mitral valve defects] Khetagurov AD, et al. **Ter Arkh** 1985;57(4):108-10 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Measurement of local blood flow in acute myocardial infarction: loss of 15-micron microspheres during the first hour. Andersen KS, et al. **Acta Physiol Scand** 1985 Apr; 123(4):373-81

Changes in PGE2 urinary excretion and renal function in coronary heart disease. Bernardi P, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 13:89-91

Histamine modification of spontaneous rate and rhythm in infarcted canine ventricle. Gaide MS, et al. **Agents Actions** 1984 Dec;15(5-6):488-93

The significance of the subendocardial infarction. Meyer SA. **Am Fam Physician** 1985 Feb;31(2):123-6 (7 ref.)

Positive treadmill stress tests post myocardial infarction in patients with single-vessel coronary disease. Adams K, et al. **Am Heart J** 1985 Feb;109(2):251-8

Correction of the QT interval for heart rate: review of different formulas and the use of Bazett's formula in myocardial infarction. Ahnve S. **Am Heart J** 1985 Mar; 109(3 Pt 1):568-74 (69 ref.)

The role of prehospital discharge two-dimensional echocardiography in determining the prognosis of survivors of first myocardial infarction. Bhatnagar SK, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):472-7

Chest pain after nontransmural infarction: the absence of remediable coronary vasospasm. Eisenberg PR, et al. **Am Heart J** 1985 Sep;110(3):515-21

Right ventricular function in right ventricular infarction [letter] Garty I, et al. **Am Heart J** 1985 Jun;109(6):1406-7

Clinical predictability of left ventricular function post myocardial infarction from the electrocardiogram. Hamby RI, et al. **Am Heart J** 1985 Feb;109(2):338-42

Body surface isopotential maps in old anterior myocardial infarction undetectable by 12-lead electrocardiograms. Hirai M, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):975-82

Right ventricular function evaluated by radionuclide angiography in acute myocardial infarction. Hirsowitz GS, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):949-54

Disappearance of pathologic Q wave after PTCA in evolving myocardial infarction. Ibba GV, et al. **Am Heart J** 1984 Dec;108(6):1538-40

Evaluation of biventricular involvement in hypotensive patients with transmural inferior infarction by two-dimensional echocardiography. Jugdutt BI, et al. **Am Heart J** 1984 Dec;108(6):1417-26

Development and evolution of electrocardiographic Minnesota Q-QS codes in patients with acute myocardial infarction. Karnegis JN, et al. **Am Heart J** 1985 Aug; 110(2):452-9

Sudden cardiac death following acute myocardial infarction. Rosenthal ME, et al. **Am Heart J** 1985 Apr;109(4):865-76 (108 ref.)

Course of chest pain and its relation to CK release and ST/QRS vector changes in patients with acute myocardial infarction randomized to treatment with intravenous timolol or placebo. Sederholm M, et al. **Am Heart J** 1985 Sep;110(3):521-8

The mortality predictive power of discharge electrocardiogram after first acute myocardial infarction. Siltanen P, et al. **Am Heart J** 1985 Jun;109(6):1231-7

Postinfarction sudden death: significance of inducible ventricular tachycardia and infarct size in a conscious canine model. Wilber DJ, et al. **Am Heart J** 1985 Jan; 109(1):8-18

The safety of static-dynamic effort soon after myocardial infarction. Wilke NA, et al. **Am Heart J** 1985 Sep; 110(3):542-5

Sinus rhythm mapping in healed experimental myocardial infarction: contrasting activation patterns for inducing ventricular tachycardia versus fibrillation. Agarwal JB, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1601-7

Right ventricular infarction with electrocardiographic anterior left ventricular infarction and thrombosis of the left anterior descending coronary artery. Barbour DJ, et al. **Am J Cardiol** 1985 Apr 15;55(9):1220-1

Inferoseptal myocardial infarction: another cause of precordial ST-segment depression in transmural inferior wall myocardial infarction? Boden WE, et al. **Am J Cardiol** 1984 Dec 1;54(10):1216-23

Late potentials in normal subjects and in patients with ventricular tachycardia unrelated to myocardial infarction. Coto H, et al. **Am J Cardiol** 1985 Feb 1;55(4):384-90

Mechanism of inferior electrocardiographic ST-segment depression during acute anterior myocardial infarction in a baboon model. Crawford MH, et al. **Am J Cardiol** 1984 Nov 1;54(8):1114-7

'Submaximal' predischarge exercise testing after acute myocardial infarction: who needs it? DeBusk RF, et al. **Am J Cardiol** 1985 Feb 1;55(4):499-500

Influence of baseline ejection fraction and success of thrombolysis on mortality and ventricular function after acute myocardial infarction. Ferguson DW, et al. **Am J Cardiol** 1984 Oct 1;54(7):705-11

Regional left ventricular wall motion assessment: comparison of two-dimensional echocardiography and radionuclide angiography with contrast angiography in healed myocardial infarction. Freeman AP, et al. **Am J Cardiol** 1985 Jul 1;56(1):8-12

Dissociation between two-dimensional echocardiographic left ventricular wall motion and myocardial salvage in early experimental acute myocardial infarction in dogs.

Hammerman H, et al. **Am J Cardiol** 1984 Oct 1;54(7):875–9

Effects of transient increased afterload during experimentally induced acute myocardial infarction in dogs. Hammerman H, et al. **Am J Cardiol** 1985 Feb 15;55(5):566–70

Analysis of risk factors for sudden death after acute myocardial infarction [letter] Harrell FE Jr, et al. **Am J Cardiol** 1985 Feb 15;55(5):621–2

Prognostic significance of precordial ST–segment depression during inferior acute myocardial infarction. Hlatky MA, et al. **Am J Cardiol** 1985 Feb 1;55(4):325–9

The degree to which myocardial infarct site and size determine the electrocardiographic axis. Analysis of correlative data by computational modeling. Horan LG, et al. **Am J Cardiol** 1985 May 1;55(11):1247–54

Changes in rest and exercise myocardial perfusion and left ventricular function 3 to 26 weeks after clinically uncomplicated acute myocardial infarction: effects of exercise training. Hung J, et al. **Am J Cardiol** 1984 Nov 1;54(8):943–50

Factors that determine the direction and magnitude of precordial ST–segment deviations during inferior wall acute myocardial infarction. Lew AS, et al. **Am J Cardiol** 1985 Apr 1;55(8):883–8

Complete pulmonic valve opening during atrial contraction after right ventricular infarction. López–Sendón J, et al. **Am J Cardiol** 1985 Sep 1;56(7):486–7

Analysis of phase–angle histograms from equilibrium radionuclide studies: correlation with semiquantitative grading of wall motion. Mancini GB, et al. **Am J Cardiol** 1985 Feb 15;55(5):535–40

Hemodynamic and electrocardiographic effects of fructose–1,6–diphosphate in acute myocardial infarction. Marchionni N, et al. **Am J Cardiol** 1985 Aug 1;56(4):266–9

Angina pectoris before and during acute myocardial infarction: relation to degree of physical activity. Matsuda M, et al. **Am J Cardiol** 1985 May 1;55(11):1255–8

Evaluation of 'ischemia at a distance': effects of coronary occlusion on a remote area of left ventricle. Naccarella FF, et al. **Am J Cardiol** 1984 Oct 1;54(7):869–74

Myocardial infarct size threshold for two–dimensional echocardiographic detection: sensitivity of systolic wall thickening and endocardial motion abnormalities in small versus large infarcts. Pandian NG, et al. **Am J Cardiol** 1985 Feb 15;55(5):551–5

Inducible ventricular tachyarrhythmias in canine myocardial infarction [letter] Patterson E. **Am J Cardiol** 1984 Oct 1; 54(7):936–7

Effects of calcium–channel blockers on myocardial preservation during experimental acute myocardial infarction. Reimer KA, et al. **Am J Cardiol** 1985 Jan 25; 55(3):107B–115B (83 ref.)

Ventricular arrhythmia induced by programmed ventricular stimulation after acute myocardial infarction. Santarelli P, et al. **Am J Cardiol** 1985 Feb 1;55(4):391–4

Peri–infarction block (1950)–late potentials (1980): their relationship, significance and diagnostic implications. Scherlag BJ, et al. **Am J Cardiol** 1985 Mar 1;55(6):839–41 (41 ref.)

Left and right ventricular function in inferior acute myocardial infarction and significance of advanced atrioventricular block. Strasberg B, et al. **Am J Cardiol** 1984 Nov 1;54(8):985–7

Significance of early and late anterior precordial ST–segment depression in inferior myocardial infarction. Tendera M, et al. **Am J Cardiol** 1984 Nov 1;54(8):994–6

Cardiovascular responses to early exercise in inferior wall ST acute myocardial infarction. Teo KK, et al. **Am J Cardiol** 1985 May 1;55(11):1277–81

Reciprocal electrocardiographic changes in acute myocardial infarction. Tzivoni D, et al. **Am J Cardiol** 1985 Jul 1; 56(1):23–6

Ventricular activation in normal sinus rhythm: abnormalities with recurrent sustained tachycardia and a history of myocardial infarction. Untereker WJ, et al. **Am J Cardiol** 1985 Apr 1;55(8):974–9

Survival after acute myocardial infarction associated with total obstruction of left main coronary artery. Weyne AE, et al. **Am J Cardiol** 1985 May 1;55(11):1423–4

Relief of myocardial ischemia pain with a gastrointestinal cocktail. Servi RJ, et al. **Am J Emerg Med** 1985 May; 3(3):208–9

Clinical significance of 'reciprocal' S–T segment depression in acute myocardial infarction. Relative contributions of infarct size and ischemia at a distance. Dewhurst NG, et al. **Am J Med** 1985 May;78(5):765–70

Electrocardiographic finding simulating acute myocardial infarction in a compound metabolic aberration. Khardori R, et al. **Am J Med** 1985 Mar;78(3):529–32

Adverse effects due to morphine sulfate. Challenge to previous clinical doctrine. Semenkovich CF, et al. **Am J Med** 1985 Sep;79(3):325–30

Q wave, S–T segment, and T wave myocardial infarction. Useful clinical distinction. Zema MJ. **Am J Med** 1985 Mar; 78(3):391–8

Left ventricular failure induced by myocardial infarction. II. Tissue morphometry. Anversa P, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H883–9

Left ventricular failure induced by myocardial infarction. I. Myocyte hypertrophy. Anversa P, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H876–82

Chronic infarction decreases maximum cardiac work and sensitivity of heart to extracellular calcium. Fellenius E, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H80–7

Effects of infarction, procainamide, coupling interval, and cycle length on refractoriness of extrastimuli. Marchlinski FE, et al. **Am J Physiol** 1985 May;248(5 Pt 2):H606–13

Cardiovascular parameters after acute myocardial infarction and streptokinase administration in patients receiving coronary artery bypass grafts. Cook LS, et al. **Am J Surg** 1984 Dec;148(6):860–3

Acute myocardial infarction in a thirty–six year old postpartum female. Bornstein A, et al. **Angiology** 1984 Sep; 35(9):591–4

Prognosis after myocardial infarction––prediction in ambulatory patients by use of the bedside Valsalva maneuver. Zema MJ. **Angiology** 1985 Feb;36(2):96–104

Prolonged left ventricular dysfunction induced by sequential multifocal ischemic infarcts in dogs. Polanski J, et al. **Artif Organs** 1984 Nov;8(4):445–57

Selective thromboxane synthetase inhibitor and ischemic heart disease. Ito T, et al. **Biomed Biochim Acta** 1984; 43(8–9):S125–32

Effect of PGI2 on platelet aggregates in myocardial infarction evaluated in vitro in whole blood. The method for quantification of platelet aggregates. Spławinski J, et al. **Biomed Biochim Acta** 1984;43(8–9):S430–3

Prognostic value of exercise testing early after uncomplicated myocardial infarction. Linares E, et al. **Bol Asoc Med PR** 1984 Nov;76(11):469–72

Implications of precordial ST segment depression during acute inferior myocardial infarction. Arteriographic and ventriculographic correlations during the acute phase. Cohen M, et al. **Br Heart J** 1984 Nov;52(5):497–501

Limitations of a QRS scoring system to assess left ventricular function and prognosis at hospital discharge after myocardial infarction. Fioretti P, et al. **Br Heart J** 1985 Mar;53(3):248–52

Impaired baroreflex control of vascular resistance and heart rate in acute myocardial infarction. Imaizumi T, et al. **Br Heart J** 1984 Oct;52(4):418–21

Submaximal exercise testing early after myocardial infarction [letter] Nikolic G. **Br Heart J** 1985 Apr;53(4):471

Submaximal exercise testing early after myocardial infarction. Difficulty of predicting coronary anatomy and left ventricular performance. Sullivan ID, et al. **Br Heart J** 1985 Feb;53(2):180–5

Myocardial infarction and thrombolysis. Electrocardiographic short term and long term results using precordial mapping. von Essen R, et al. **Br Heart J** 1985 Jul;54(1):6–10

Pharmacokinetics and haemodynamic effects of tocainide in patients with acute myocardial infarction complicated by left ventricular failure. MacMahon B, et al. **Br J Clin Pharmacol** 1985 Apr;19(4):429–34

Reciprocal change in ST segment in acute myocardial infarction: correlation with findings on exercise electrocardiography and coronary angiography. Akhras F, et al. **Br Med J [Clin Res]** 1985 Jun 29;290(6486):1931–4

Shortened bleeding time in acute myocardial infarction and its relation to platelet mass. Milner PC, et al. **Br Med J [Clin Res]** 1985 Jun 15;290(6484):1767–70

Effects of exercise frequency, intensity, and duration on revascularization in the transition zone of infarcted rat hearts. Przyklenk K, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):273–8

Enzymatically and electrocardiographically estimated infarct size in relation to pain in acute myocardial infarction. Herlitz J, et al. **Cardiology** 1984;71(5):239–46

Incidence and prognostic significance of symptomatic and asymptomatic exercise–induced ischemia in patients with recent myocardial infarction. Opasich C, et al. **Cardiology** 1984;71(5):284–91

Assessment of myocardial stress from early ambulatory activities following myocardial infarction. Magder S. **Chest** 1985 Apr;87(4):442–7

An analysis of myocardial infarction. The effect of regional changes in contractility. Bogen DK, et al. **Circ Res** 1984 Dec;55(6):805–15

Reentrant ventricular arrhythmias in the late myocardial infarction period in the dog. 13. Correlation of activation and refractory maps. Gough WB, et al. **Circ Res** 1985 Sep; 57(3):432–42

Intramural reentry as a mechanism of ventricular tachycardia during evolving canine myocardial infarction. Kramer JB, et al. **Circ Res** 1985 May;56(5):736–54

Structural and electrophysiological changes in the epicardial border zone of canine myocardial infarcts during infarct healing. Ursell PC, et al. **Circ Res** 1985 Mar;56(3):436–51

Interruption of sympathetic and vagal–mediated afferent responses by transmural myocardial infarction. Barber MJ, et al. **Circulation** 1985 Sep;72(3):623–31

Influence of coronary collateral blood flow on the development of exertional ischemia and Q wave infarction in patients with severe single–vessel disease. Freedman SB, et al. **Circulation** 1985 Apr;71(4):681–6

Electrophysiologic and anatomic basis for fractionated electrograms recorded from healed myocardial infarcts. Gardner PI, et al. **Circulation** 1985 Sep;72(3):596–611

The natural history of regional dysfunction in a canine preparation of chronic infarction. Gibbons EF, et al. **Circulation** 1985 Feb;71(2):394–402

Quantitative analysis of the high–frequency components of the signal–averaged QRS complex in patients with acute myocardial infarction: a prospective study. Gomes JA, et al. **Circulation** 1985 Jul;72(1):105–11

Detection of local abnormalities in ventricular activation sequence by body surface isochrone mapping in patients with previous myocardial infarction. Ikeda K, et al. **Circulation** 1985 Oct;72(4):801–9

Fractionated electrical activity and continuous electrical activity: fact or artifact? Josephson ME, et al. **Circulation** 1984 Oct;70(4):529–32

Low–level exercise testing after myocardial infarction: usefulness in enhancing clinical risk stratification. Krone RJ, et al. **Circulation** 1985 Jan;71(1):80–9

An evaluation of automaticity and triggered activity in the canine heart one to four days after myocardial infarction. le Marec H, et al. **Circulation** 1985 Jun;71(6):1224–36

Are right and left ventricular ejection fractions equal? Ejection fractions in normal subjects and in patients with first acute myocardial infarction. Marving J, et al. **Circulation** 1985 Sep;72(3):502–14

Electrocardiographic effects of experimental nontransmural myocardial infarction. Mirvis DM, et al. **Circulation** 1985 Jun;71(6):1206–14

Coronary anatomy and left ventricular function in the first 12 hours of acute myocardial infarction: the Western Washington Randomized Intracoronary Streptokinase Trial. Stadius ML, et al. **Circulation** 1985 Aug; 72(2):292–301

Significance of the Q wave in acute myocardial infarction. Goldberg RK, et al. **Clin Cardiol** 1985 Jan;8(1):40–6

Relationship between electrocardiographically estimated infarct size and clinical findings in anterior myocardial infarction. Herlitz J, et al. **Clin Cardiol** 1984 Apr; 7(4):217–27

Significance of ST–segment depression in inferior leads in patients with acute anterior infarction. Haraphongse M, et al. **Clin Invest Med** 1984;7(3):143–8

Mechanisms contributing to arrhythmias during ischaemia and infarction. Kramer JB, et al. **Eur Heart J** 1984 Sep; 5 Suppl B:11–8 (64 ref.)

Comparative study of echo– and angiocardiographically determined regional left ventricular wall motion in recent myocardial infarction. Lindvall K, et al. **Eur Heart J** 1984 Jul;5(7):533–44

Exercise haemodynamics in patients over 65 years of age with recent myocardial infarction. Tavazzi L, et al. **Eur Heart J** 1984 Nov;5 Suppl E:85–7

Early changes in sodium and water balances in patients with acute myocardial infarction: relationship to haemodynamics and creatine kinase. Col J, et al. **Eur J Clin Invest** 1984 Aug;14(4):247–54

Electrophysiological actions of flecainide in normal and infarcted canine Purkinje fibers. Kinnaird AA, et al. **Eur J Pharmacol** 1985 May 28;112(1):57–64

Right ventricular function in healed myocardial infarction in man. A cineangiographic assessment. Boschat J, et al. **Eur J Radiol** 1985 Feb;5(1):17–23

Hemodynamic effects of antiarrhythmic drugs in acute myocardial infarction. Lotto A, et al. **G Ital Cardiol** 1984 Oct;14(10):762–7

May early exercise testing after myocardial infarction predict the extent of coronary artery disease? Scardi S, et al. **G Ital Cardiol** 1985 Mar;15(3):260–5

Hemodynamic effects of dobutamine in patients below and over 65 years, with left heart failure secondary to an acute myocardial infarction. Renard M, et al. **Gerontology** 1984; 30(6):408–13

The hyperacute phase of right ventricular infarction. Lewis BS, et al. **Heart Lung** 1984 Nov;13(6):682–4

Complex trigeminy. Nikolic G. **Heart Lung** 1984 Nov; 13(6):685–6

Proposed: cardiac catheterization should be routine after acute myocardial infarction to evaluate prognosis and plan therapy. Russell RO Jr, et al. **Hosp Pract [Off]** 1985 Feb 15;20(2):131–2, 134, 138–9 passim

Classification of heart tissue from bipolar and unipolar intramural potentials. Claydon FJ 3d, et al. **IEEE Trans Biomed Eng** 1985 Jul;32(7):513–20

Right ventricular infarction in acute inferior wall infarction. Importance of right precordial electrocardiography. Garg KC, et al. **Indian Heart J** 1984 Jul–Aug;36(4):202–5

Effects of training on the extent of experimental myocardial infarction in aging rats. Asha Devi S, et al. **Indian J Physiol Pharmacol** 1984 Oct–Dec;28(4):275–82

New horizons in cardiology. Kawai C. **Int J Cardiol** 1984 Nov;6(5):569–79

Time of onset of chest pain in acute myocardial infarction. Thompson DR, et al. **Int J Cardiol** 1985 Feb;7(2):139–48

Blood pressure in survivors of myocardial infarction. The Coronary Drug Project Research Group. **J Am Coll Cardiol** 1984 Dec;4(6):1135–47

Prominent right precordial R waves and myocardial infarction [letter] **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):383

Prevalence and significance of residual flow to the infarct zone during the acute phase of myocardial infarction. Blanke H, et al. **J Am Coll Cardiol** 1985 Apr;5(4):827–31

Right and left ventricular ejection fraction in acute inferior wall infarction with or without ST segment elevation in lead V4R. Braat SH, et al. **J Am Coll Cardiol** 1984 Nov; 4(5):940–4

Clinical improvement in hypertrophic cardiomyopathy after inferior myocardial infarction. Caplan J, et al. **J Am Coll Cardiol** 1985 Mar;5(3):797–802

Magnesium deficiency and myocardial infarct size in the dog.

Chang C, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):280–9

Left ventricular function after myocardial infarction: clinical and angiographic correlations. Cortina A, et al. **J Am Coll Cardiol** 1985 Mar;5(3):619–24

Right ventricular infarction: identification by hemodynamic measurements before and after volume loading and correlation with noninvasive techniques. Dell'Italia LJ, et al. **J Am Coll Cardiol** 1984 Nov;4(5):931–9

Mid-diastolic opening of the pulmonary valve after right ventricular infarction. Doyle T, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):366–8

Electrically induced ventricular tachyarrhythmias in the experimentally infarcted canine model [editorial] Flowers NC. **J Am Coll Cardiol** 1985 May;5(5):1107–8

Noninvasive assessment of left and right ventricular filling in myocardial infarction with a two-dimensional Doppler echocardiographic method. Fujii J, et al. **J Am Coll Cardiol** 1985 May;5(5):1155–60

Serial analysis of electrically induced ventricular arrhythmias in a canine model of myocardial infarction. Garan H, et al. **J Am Coll Cardiol** 1985 May;5(5):1095–106

Left ventricular dysfunction after acute myocardial infarction: results of a prospective multicenter study. Greenberg H, et al. **J Am Coll Cardiol** 1984 Nov;4(5):867–74

Enhancement of triggered activity in ischemic Purkinje fibers by ouabain: a mechanism of increased susceptibility to digitalis toxicity in myocardial infarction. Hariman RJ, et al. **J Am Coll Cardiol** 1985 Mar;5(3):672–9

Precordial ST segment depression during acute inferior myocardial infarction: early thallium-201 scintigraphic evidence of adjacent posterolateral or inferoseptal involvement. Lew AS, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):203–9

Effect of high dose aspirin on coronary hemodynamics during pacing-induced myocardial ischemia. Martin JL, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):210–5

Effects of experimental myocardial infarction on the ST segment response to tachycardia. Mirvis DM, et al. **J Am Coll Cardiol** 1985 Sep;6(3):665–73

Spatial variation of QT intervals in normal persons and patients with acute myocardial infarction. Mirvis DM. **J Am Coll Cardiol** 1985 Mar;5(3):625–31

Electrocardiographic changes of acute lateral wall myocardial infarction: a reappraisal based on scintigraphic localization of the infarct. Movahed A, et al. **J Am Coll Cardiol** 1984 Oct;4(4):660–6

Precordial ST segment deviations during acute myocardial infarction [letter] Pariser RH. **J Am Coll Cardiol** 1985 Jul;6(1):260–1

Reflexes unique to myocardial ischemia and infarction. Robertson D, et al. **J Am Coll Cardiol** 1985 Jun;5(6 Suppl):99B–104B

Temporal evolution of the human coronary collateral circulation after myocardial infarction. Schwartz H, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1088–93

Effect of coronary artery recanalization on right ventricular function in patients with acute myocardial infarction. Verani MS, et al. **J Am Coll Cardiol** 1985 May;5(5):1029–35

Comparison of clinical variables and variables derived from a limited predischarge exercise test as predictors of early and late mortality after myocardial infarction. Waters DD, et al. **J Am Coll Cardiol** 1985 Jan;5(1):1–8

Effects of captopril on limiting infarct size in conscious dogs. Daniell HB, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec;6(6):1043–7

Effects of cardiac sympathetic nerve stimulation during adrenergic blockade on infarct size in anesthetized dogs. Flatley KA, et al. **J Cardiovasc Pharmacol** 1985 Jul–Aug;7(4):673–9

Cardioselective beta-blockade with atenolol and acebutolol following acute myocardial infarction: a multiple-dose haemodynamic comparison. Frais MA, et al. **J Cardiovasc Pharmacol** 1985 Jan–Feb;7(1):80–5

Platelet depletion and infarct size in an occlusion-reperfusion model of myocardial ischemia in anesthetized dogs. Mullane KM, et al. **J Cardiovasc Pharmacol** 1985 Jul–Aug;7(4):733–8

Hemodynamic effects of ICI 118.587 (Corwin) in patients with mild cardiac failure after myocardial infarction. Svensson G, et al. **J Cardiovasc Pharmacol** 1985 Jan–Feb;7(1):97–101

Effects of nisoldipine, a new calcium antagonist, on myocardial infarct size and cardiac dynamics following acute myocardial infarction. Tumas J, et al. **J Cardiovasc Pharmacol** 1985 Mar–Apr;7(2):361–7

Temporal evolution of body surface map patterns following acute inferior myocardial infarction. Montague TJ, et al. **J Electrocardiol** 1984 Oct;17(4):319–27

Epicardial isopotential mapping from body surface isopotential mapping in myocardial infarction. Toyama S, et al. **J Electrocardiol** 1985 Jul;18(3):277–85

Enhanced adverse electrophysiologic effects of histamine after myocardial infarction in guinea pigs. Cameron JS, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):480–4

Antiarrhythmic and electrophysiologic effects of bepridil in chronically infarcted conscious dogs. Lynch JJ, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):72–80

Use of experimental myocardial infarct to demonstrate arrhythmogenic activity of drugs. Trolese-Mongheal Y, et al. **J Pharmacol Methods** 1985 Jun;13(3):225–34

Effects of sublingual isosorbide dinitrate on left ventricular performance during exercise in patients with myocardial infarction. Fukui S, et al. **Jpn Circ J** 1984 Oct;48(10):1057–65

Differences of global and regional left ventricular function in anterior and inferior myocardial infarction: assessment by the use of a regional ejection fraction. Imai S, et al. **Jpn Circ J** 1984 Nov;48(11):1175–83

Hemodynamic effects of digoxin on congestive heart failure in old myocardial infarction, dilated cardiomyopathy, acute myocardial infarction and mitral stenosis. Kurogane K, et al. **Jpn Heart J** 1985 Mar;26(2):155–64

Myocardial infarction in the guinea pig: cellular electrophysiology. Gaide MS, et al. **Life Sci** 1985 Jun 24;36(25):2391–401

Oxygen uptake and cardiovascular responses in control adults and acute myocardial infarction patients during bathing. Winslow EH, et al. **Nurs Res** 1985 May–Jun;34(3):164–9

Myocardial infarction during pregnancy: a review. Hankins GD, et al. **Obstet Gynecol** 1985 Jan;65(1):139–46

Frequency and significance of left and right ventricular late potentials after myocardial infarction in man. Bethge C, et al. **PACE** 1984 Nov;7(6 Pt 1):993–8

Raphe magnus inhibition of primate T1–T4 spinothalamic cells with cardiopulmonary visceral input. Ammons WS, et al. **Pain** 1984 Nov;20(3):247–60

Haemodynamic effects of nicardipine in acute myocardial infarction. Silke B, et al. **Postgrad Med J** 1984;60 Suppl 4:29–34

Persistent ST-segment elevation in patients with anterior myocardial infarctions. Evaluation by exercise electrocardiography, echocardiography and Holter monitoring. Diamond TH, et al. **S Afr Med J** 1985 Jul 20;68(2):94–7

ST segment depression in acute anterior myocardial infarction. Balla S, et al. **South Med J** 1985 Jun;78(6):673–6

Ventricular premature complexes in the early diagnosis of acute myocardial infarction. Biel SI, et al. **South Med J** 1985 Jan;78(1):7–10

[Effect of Radix ophiopogonis and a small dose of magnesium sulfate on hemodynamics after myocardial infarction, arrhythmia and the extent of myocardial infarction] Shu NH. **Chung Hsi I Chieh Ho Tsa Chih** 1984 May;4(5):295–6 (Eng. Abstr.) **(Chi)**

[Exercise stress test after myocardial infarction: analysis of 38 cases] Chen SC, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Mar;24(3):142–5, 189 (Eng. Abstr.) **(Chi)**

[Hemodynamic monitoring in myocardial infarction—a preliminary report on its clinical use] Gao RL. **Chung Hua Nei Ko Tsa Chih** 1984 Nov;23(11):673–6 (Eng. Abstr.) **(Chi)**

[Significance of apparent S-T segment depression in precordial leads in acute inferior myocardial infarction] Zhao LY. **Chung Hua Nei Ko Tsa Chih** 1984 Apr;23(4):214–6 (Eng. Abstr.) **(Chi)**

[Echocardiographic evaluation of cardiac function in acute myocardial infarction patients and its recent prognosis] Li RN, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug;6(4):277–80 (Eng. Abstr.) **(Chi)**

[Comprehensive evaluation of patients after acute myocardial infarct using noninvasive testing technics during a laboratory stress test] Vávra J, et al. **Cas Lek Cesk** 1985 Mar 8;124(10):297–302 (Eng. Abstr.) **(Cze)**

[Clinical significance of radionuclide ventriculography in patients with myocardial infarct] Hyžák A, et al. **Vnitr Lek** 1985 May;31(5):421–9 (Eng. Abstr.) **(Cze)**

[Right-sided catheterization of the heart in patients after thrombolytic treatment of acute myocardial infarct] Lupínek Z, et al. **Vnitr Lek** 1984 Oct;30(10):944–52 (Eng. Abstr.) **(Cze)**

[Hemodynamics of acute myocardial infarct. VIII. Noninvasive methods] Stejfa M, et al. **Vnitr Lek** 1985 Feb;31(2):182–9 (Eng. Abstr.) **(Cze)**

[Hemodynamics of acute myocardial infarct. I. Methods of invasive measurement] Stejfa M, et al. **Vnitr Lek** 1984 Aug;30(8):789–97 (Eng. Abstr.) **(Cze)**

[Hemodynamics of acute myocardial infarct. IV. Comparison of hemodynamic and clinical groups] Stejfa M, et al. **Vnitr Lek** 1984 Sep;30(9):922–9 (Eng. Abstr.) **(Cze)**

[Hemodynamics of acute myocardial infarct. II. Assessment of variables and the norms] Stejfa M, et al. **Vnitr Lek** 1984 Aug;30(8):798–804 (Eng. Abstr.) **(Cze)**

[Hemodynamics of acute myocardial infarct. III. Hemodynamic groups] Stejfa M, et al. **Vnitr Lek** 1984 Sep;30(9):914–21 (Eng. Abstr.) **(Cze)**

[Hemodynamics of acute myocardial infarct. VI. Comparison of findings of rales and gallop] Stejfa M, et al. **Vnitr Lek** 1984 Nov;30(11):1106–12 (Eng. Abstr.) **(Cze)**

[Hemodynamics of acute myocardial infarct. V. Ventilatory and respiratory function] Stejfa M, et al. **Vnitr Lek** 1984 Oct;30(10):1020–6 (Eng. Abstr.) **(Cze)**

[Hemodynamics of acute myocardial infarct. VII. Comparison of the radiographic picture of the lungs and heart] Stejfa M, et al. **Vnitr Lek** 1984 Dec;30(12):1219–24 (Eng. Abstr.) **(Cze)**

[Hemodynamic examination in the early phase of acute myocardial infarct] Toman J, et al. **Vnitr Lek** 1984 Oct;30(10):953–60 (Eng. Abstr.) **(Cze)**

[Prognosis of the acute stage of myocardial infarction. Rhythm factors] Gilgenkrantz JM. **Ann Cardiol Angeiol (Paris)** 1985 May;34(5):313–7 (Eng. Abstr.) **(Fre)**

[Transmural myocardial infarction. An impossible electrocardiographic diagnosis] Hallali P, et al. **Ann Cardiol Angeiol (Paris)** 1985 Jun;34(6):401–4 (Eng. Abstr.) **(Fre)**

[Long-term prognosis of myocardial infarction. Value of Holter monitoring] Perrot B. **Ann Cardiol Angeiol (Paris)** 1985 May;34(5):323–8 (34 ref.) (Eng. Abstr.) **(Fre)**

[Genesis of myocardial infarction] Bory M, et al. **Arch Mal Coeur** 1984 Oct;77(10):1114–9 (Eng. Abstr.) **(Fre)**

[So-called rudimentary or nontransmural myocardial infarction. Coronary lesions, course and prognosis] Bounhoure JP, et al. **Arch Mal Coeur** 1984 Oct;77(10):1090–6 (Eng. Abstr.) **(Fre)**

[Right ventricular function during the convalescence phase of posterior primary infarction] Etienne Y, et al. **Arch Mal Coeur** 1985 Mar;78(3):396–403 (Eng. Abstr.) **(Fre)**

[Accentuation of myocardial ischemia during coronary recanalization in the acute phase of myocardial infarction] Monassier JP, et al. **Arch Mal Coeur** 1984 Dec;77(13):1456–61 (Eng. Abstr.) **(Fre)**

[Prognostic value of the exercise test performed less than 40 days after the first infarction] Saint-Pierre A, et al. **Arch Mal Coeur** 1985 Jun;78(6):861–8 (Eng. Abstr.) **(Fre)**

[Incidence and course of complex ventricular arrhythmias in myocardial infarct as a function of infarct size, heart function and persistent ischemia] Steinmann E, et al. **Schweiz Med Wochenschr** 1984 Nov 10;114(45):1602–4 (Eng. Abstr.) **(Ger)**

[Clinical and electrophysiologic findings in patients with syncope following myocardial infarct] Borggrefe M, et al. **Z Kardiol** 1984 May;73(5):297–303 (Eng. Abstr.) **(Ger)**

[Prognostic significance of programmed ventricular stimulation in the noninvasive registration of ventricular late potentials in the postinfarct period] Breithardt G, et al. **Z Kardiol** 1985 Jul;74(7):389–96 (Eng. Abstr.) **(Ger)**

[Estimation of pulmonary capillary mean pressure using TM-mode echocardiography] Keller H, et al. **Z Kardiol** 1985 Jul;74(7):409–14 (Eng. Abstr.) **(Ger)**

[Urinary excretion of PGE2 and renal function in acute myocardial infarction] Bernardi P, et al. **Boll Soc Ital Biol Sper** 1984 Oct 30;60(10):1827–32 (Eng. Abstr.) **(Ita)**

[Response of the heart rate in the post-infarct period] Morace G, et al. **Boll Soc Ital Cardiol** 1984 Jul–Aug;29(7–8):379–85 (Eng. Abstr.) **(Ita)**

[Heart rate response in post-infarct patients] Morace G, et al. **Cardiologia** 1984 Jul–Aug;29(7–8):379–85 (Eng. Abstr.) **(Ita)**

[Depression of the ST segment in precordial derivations: prognostic value in inferior myocardial infarct] Marchini A, et al. **G Ital Cardiol** 1984 Aug;14(8):565–9 (Eng. Abstr.) **(Ita)**

[Clinical and hemodynamic implications of anterior ST segment depression in inferior myocardial infarct] Scardi S, et al. **G Ital Cardiol** 1985 Feb;15(2):149–54 (Eng. Abstr.) **(Ita)**

[Anterior ST segment depression during the exercise test in patients with previous inferior myocardial infarct. Scintigraphic and coronary arteriographic correlations] Uthurralt NM, et al. **G Ital Cardiol** 1985 Feb;15(2):155–64 (Eng. Abstr.) **(Ita)**

[Usefulness of high resolution signal averaging electrocardiography] Adinolfi L, et al. **Minerva Cardioangiol** 1984 Sep;32(9):545–54 (Eng. Abstr.) **(Ita)**

[Quantitative evaluation of left ventricular kinetics by bidimensional echography in the subacute and stabilized phases of myocardial infarct] Mori A, et al. **Minerva Cardioangiol** 1984 Oct;32(10):683–91 (Eng. Abstr.) **(Ita)**

[Development of ventricular arrhythmia in myocardial infarct as a function of ventricular kinetics. Study using echocardiography and dynamic electrocardiography] Pomini G, et al. **Minerva Cardioangiol** 1984 Nov;32(11):779–88 (Eng. Abstr.) **(Ita)**

[Comparative study of two-dimensional echocardiography and left ventriculography in detecting interventricular septal asynergy in myocardial infarction] Nishimura S, et al. **J Cardiogr** 1984 Oct;14(3):433–43 (Eng. Abstr.) **(Jpn)**

[Left ventricular diastolic filling patterns in hypertrophic cardiomyopathy and myocardial infarction: studies by pulsed doppler echocardiography and multi-gated blood pool scans] Ohkushi H, et al. **J Cardiogr** 1984 Jun;14(1):95–104 (Eng. Abstr.) **(Jpn)**

[Mechanism of exercise-induced ST segment deviation in myocardial infarction: a 201T1-myocardial scintigraphic study] Takahashi H, et al. **J Cardiogr** 1984 Jun;14(1):39–47 (Eng. Abstr.) **(Jpn)**

[An analysis of cardiac reserve mechanism during supine bicycle exercise in patients with myocardial infarction: evaluation by multi-gated radionuclide angiography] Kim BH, et al. **Kaku Igaku** 1985 Jan;22(1):1–8 (Eng. Abstr.) **(Jpn)**

[Assessment of left ventricular ejection fraction by gated blood pool scintigraphy in the early and late phase after the onset of acute myocardial infraction] Nakashima Y, et al. **Kaku Igaku** 1984 Nov;21(11):1437–43 (Eng. Abstr.) **(Jpn)**

[Ventilatory response during exercise in patients with ischemic heart disease] Kado T, et al. **Kokyu To Junkan** 1984 Aug;32(8):823-7 (Eng. Abstr.) **(Jpn)**
[Detection of reversible asynergy—evaluation of variable interventions] Noma S, et al. **Kokyu To Junkan** 1985 Jun; 33(6):805-9 (Eng. Abstr.) **(Jpn)**
[Implications of anterior ST depression in acute inferior myocardial infarction] Onodera T, et al. **Kokyu To Junkan** 1985 Jun;33(6):759-63 (Eng. Abstr.) **(Jpn)**
[Effects of coronary collateral circulation in evolving myocardial infarction: a major determinant in preserving myocardial function after intracoronary thrombolysis] Saito Y, et al. **Kokyu To Junkan** 1985 Apr;33(4):571-4 (Eng. Abstr.) **(Jpn)**
[Hemodynamic alterations in isolated right ventricular ischemia in anesthetized open-chest dogs] Takeda K, et al. **Kokyu To Junkan** 1985 Feb;33(2):165-9 (Eng. Abstr.) **(Jpn)**
[Pathogenesis of impaired glucose tolerance and its relationship to hemodynamics in patients with acute myocardial infarction] Tanaka K. **Nippon Ika Daigaku Zasshi** 1985 Feb;52(1):58-72 (Eng. Abstr.) **(Jpn)**
[Evaluation of left ventricular function and coronary sinus blood flow during exercise after aortocoronary bypass surgery—influence of previous myocardial infarction] Sakakibara T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Sep;32(9):1354-61 (Eng. Abstr.) **(Jpn)**
[Effects of sublingual nifedipine on hemodynamic responses to exercise in patients with myocardial infarction] Fukui S, et al. **Nippon Naika Gakkai Zasshi** 1985 May; 74(5):558-63 **(Jpn)**
[The early ergometric test in acute myocardial infarction. The fall of another taboo] Bassan R. **Arq Bras Cardiol** 1984 Jun;42(6):381-6 **(Por)**
[Modified exercise test in the 3d week after acute myocardial infarction. Correlation of coronary cineangiography and follow-up] Bessa N, et al. **Arq Bras Cardiol** 1984 Jun; 42(6):393-401 (Eng. Abstr.) **(Por)**
[Influence of the anatomical pattern of the coronary arteries on myocardial infarction] Borges Filho S, et al. **Arq Bras Cardiol** 1984 May;42(5):315-7 (Eng. Abstr.) **(Por)**
[Peridural meperidine in the treatment of pain in acute myocardial infarction] Imbeloni LE. **Arq Bras Cardiol** 1984 Jul;43(1):37-40 (Eng. Abstr.) **(Por)**
[Correlation between the Q wave indicative of myocardial infarction and left ventricular function in chronic coronary insufficiency] Peixoto EC, et al. **Arq Bras Cardiol** 1984 Sep; 43(3):167-72 (Eng. Abstr.) **(Por)**
[Relationship between the level of plasma renin activity and heart function in acute myocardial infarct] Nicolaescu V, et al. **Rev Med Interna [Med Interna]** 1984 Jul-Aug; 36(4):339-48 (Eng. Abstr.) **(Rum)**
[Role of the sympathetic nervous system during reparative regeneration and compensation of heart function in experimental myocardial infarct] Sobieva ZI, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):280-4 (Eng. Abstr.) **(Rus)**
[Tolerance and hemodynamic support for physical loading in patients in the early period of an acute large-focus myocardial infarct] Al'khimovich VM, et al. **Kardiologiia** 1985 Feb;25(2):11-4 (Eng. Abstr.) **(Rus)**
[Function of the heart chambers in acute myocardial infarct] Charchoglian RA, et al. **Kardiologiia** 1985 May;25(5):69-74 (Eng. Abstr.) **(Rus)**
[Real oxygen transport in myocardial infarct patients in relation to the central hemodynamic type] Golikov AP, et al. **Kardiologiia** 1985 Feb;25(2):61-4 (Eng. Abstr.) **(Rus)**
[Adaptive role of the interaction between the neuroendocrine and cardiovascular systems in myocardial infarction] Golikov AP, et al. **Kardiologiia** 1984 Oct;24(10):36-9 (Eng. Abstr.) **(Rus)**
[Central hemodynamic changes during graded physical training of patients with a history of myocardial infarct] Illarionova NM. **Kardiologiia** 1985 Feb;25(2):15-9 **(Rus)**
[ECG T-wave velocity indicators in patients with myocardial infarction] Khalfen ESh, et al. **Kardiologiia** 1984 Oct;24(10):30-5 (Eng. Abstr.) **(Rus)**
[Patient hemodynamic indices in the course of the year following myocardial infarct] Kiudelis IuA, et al. **Kardiologiia** 1985 May;25(5):103-5 **(Rus)**
[Dynamics of free fatty acids after a glucose load and the indices characterizing fatty tissue weight and function in acute myocardial infarct patients] Korochkin IM, et al. **Kardiologiia** 1984 Sep;24(9):34-9 (Eng. Abstr.) **(Rus)**
[Elimination of disorders of the elasticity and contractile function of nonischemic portions of the heart in myocardial infarct by using glucose and uridine] Meerson FZ, et al. **Kardiologiia** 1985 Apr;25(4):91-4 (Eng. Abstr.) **(Rus)**
[Prevention of heart contractile disorders in experimental infarct by using preliminary adaptation to stress exposure and opioid peptides] Meerson FZ, et al. **Kardiologiia** 1984 Sep;24(9):81-8 (Eng. Abstr.) **(Rus)**
[Characteristics of the echocardiographic changes in patients with myocardial infarction complicated by heart rupture] Orlov MV. **Kardiologiia** 1984 Oct;24(10):66-9 (Eng. Abstr.) **(Rus)**
[Cardiac contractility in the acute period of myocardial infarction] Kesler DF, et al. **Klin Med (Mosk)** 1985 Feb; 63(2):44-6 (Eng. Abstr.) **(Rus)**
[Disorders of kidney function in myocardial infarction] Galdamakina NE, et al. **Sov Med** 1985;(3):9-12 (Eng. Abstr.) **(Rus)**
[The hypophyseal-thyroid system in myocardial infarction] Pimenov LT. **Sov Med** 1984;(11):7-12 (Eng. Abstr.) **(Rus)**
[Myocardial electrical activity and hemodynamic indices in the early stage of the rehabilitation of myocardial infarct patients] Gusarov GV, et al. **Ter Arkh** 1985;57(1):37-9 (Eng. Abstr.) **(Rus)**
[Central hemodynamics of patients with a history of recurrent myocardial infarct] Golovkov IuZh. **Vrach Delo** 1984 Nov; (11):27-30 (Eng. Abstr.) **(Rus)**
[Hemodynamic and neurohumoral factors in pulmonary edema in patients with acute myocardial infarction] Shustval' NF. **Vrach Delo** 1985 Jun;(6):1-5 (Eng. Abstr.) **(Rus)**
[Optimal method of defecation in acute myocardial infarction] Tsimmerman IaS, et al. **Vrach Delo** 1985 Apr; (4):29-31 **(Rus)**
[Systolic time intervals in patients with postinfarction cardiac insufficiency] Ilić S, et al. **Vojnosanit Pregl** 1984 Nov-Dec; 41(6):467-70 **(Ser)**
[The effect of quaternary salts of exaprolol on disorders of cardiac rhythm in experimental myocardial infarct] Kittová M, et al. **Bratisl Lek Listy** 1984 Aug;82(2):963-72 (Eng. Abstr.) **(Slo)**

PREVENTION & CONTROL

Preoperative cardiac screening before peripheral vascular operations. Jain KM, et al. **Am Surg** 1985 Feb;51(2):77-9
Reduced incidence of cardiovascular complications and mortality in hyperlipoproteinemia (HLP) with effective lipid correction. The Dresden HLP study. Hanefeld M, et al. **Atherosclerosis** 1984 Oct;53(1):47-58
Joint recommendations on secondary prevention for persons with clinical coronary heart disease. International Society and Federation of Cardiology. **Bol Asoc Med PR** 1985 Apr; 77(4):151-6
Effect of smoking habits and timolol treatment on mortality and reinfarction in patients surviving acute myocardial infarction. Rønnevik PK, et al. **Br Heart J** 1985 Aug; 54(2):134-9
Prolonged protective effects following propranolol withdrawal against isoproterenol-induced myocardial infarction in normotensive and hypertensive rats. Wexler BC. **Br J Exp Pathol** 1985 Apr;66(2):143-54
Beta blockers after myocardial infarction: have trials changed practice? Baber NS, et al. **Br Med J [Clin Res]** 1984 Nov 24;289(6456):1431-2
Evaluation of a rat model for assessing interventions to salvage ischaemic myocardium: effects of ibuprofen and verapamil. Evans RG, et al. **Cardiovasc Res** 1985 Mar; 19(3):132-8
Myocardial protection via coronary sinus interventions: superior effects of arterialization compared with intermittent occlusion. Zalewski A, et al. **Circulation** 1985 Jun;71(6):1215-23
The role of beta-adrenergic receptor antagonists in the prevention of sudden cardiac death. Gillis AM, et al. **Compr Ther** 1984 Sep;10(9):60-7 (15 ref.)
Termination of clinical trials: the beta-blocker heart attack trial and the hypertension detection and follow-up program experience. Bell RL, et al. **Controlled Clin Trials** 1985 Jun; 6(2):102-11
Enhancement of visit adherence in the national beta-blocker heart attack trial. Bell RL, et al. **Controlled Clin Trials** 1985 Jun;6(2):89-101
Experimental basis of platelet aggregation inhibition by acetylsalicylic acid. Born GV, et al. **Folia Haematol (Leipz)** 1984;111(6):719-24
Factors affecting dietary compliance in coronary patients included in a secondary prevention programme. Reid V, et al. **Hum Nutr Appl Nutr** 1984 Aug;38(4):279-87
Secondary prevention after myocardial infarction: facts and fallacies. Taylor SH. **J Cardiovasc Pharmacol** 1984;6 Suppl 6:S914-21 (56 ref.)
Are calcium antagonists cardioprotective? Kendall MJ, et al. **J R Coll Physicians Lond** 1985 Apr;19(2):85-9 (92 ref.)
Prevention of myocardial infarction by very early treatment with intracoronary streptokinase. Some clinical observations. Davies GJ, et al. **N Engl J Med** 1984 Dec 6;311(23):1488-92
Smoking and myocardial infarction: secondary prevention. Perkins J, et al. **Postgrad Med J** 1985 Apr;61(714):295-300
Can the type A behavior pattern be altered after myocardial infarction? A second year report from the recurrent coronary prevention project. Powell LH, et al. **Psychosom Med** 1984 Jul-Aug;46(4):293-313
Preventing heart attacks [letter] Streiffer RH. **South Med J** 1984 Sep;77(9):1216
[Secondary prevention in persons with ischemic heart disease. Drug treatment and revascularization] Spáčil J. **Cas Lek Cesk** 1985 May 24;124(21):659 **(Cze)**
[Behavior pattern in the secondary prevention of myocardial infarct] Bočková E, et al. **Cesk Psychiatr** 1985 Apr; 81(2):96-9 (Eng. Abstr.) **(Cze)**
[Acetosal and the heart] Verheugt FW. **Ned Tijdschr Geneeskd** 1984 Oct 13;128(41):1951-3 **(Dut)**
[Chronic defined angina pectoris: coronary bypass surgery or drug treatment?] Thormann J, et al. **Dtsch Med Wochenschr** 1985 Feb 1;110(5):191-4 **(Ger)**
[Indications for preoperative counterpulsation in patients with ischemic heart disease] Pochuev GN, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):7-9 (Eng. Abstr.) **(Rus)**
[Effect of various doses of aspirin after a single and long-term administration on platelet aggregation in patients with ischemic heart disease] Khalfen ESh, et al. **Kardiologiia** 1984 Jul;24(7):74-7 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Type A score (Jenkins Activity Survey) and risk of recurrent coronary heart disease in the aspirin myocardial infarction study. Shekelle RB, et al. **Am J Cardiol** 1985 Aug 1; 56(4):221-5
Exercise testing to enhance wives' confidence in their husbands' cardiac capability soon after clinically uncomplicated acute myocardial infarction. Taylor CB, et al. **Am J Cardiol** 1985 Mar 1;55(6):635-8
Social networks and support during the crisis of heart attack. Dhooper SS. **Health Soc Work** 1984 Fall;9(4):294-303
A program for psychological and social enhancement during rehabilitation after myocardial infarction. Runions J. **Heart Lung** 1985 Mar;14(2):117-25
Behavioral and physiologic determinants of long-term prognosis after myocardial infarction. Powell LH, et al. **J Chronic Dis** 1985;38(3):253-63
Imminent myocardial infarction: a psychological study. Appels A, et al. **J Human Stress** 1984 Fall;10(3):129-34
Psychosocial outcome one year after a first myocardial infarction. Wiklund I, et al. **J Psychosom Res** 1984; 28(4):309-21
Psychological factors in recovery from myocardial infarction: preliminary communication. Kincey J, et al. **J R Soc Med** 1984 Nov;77(11):925-7
Spouse support and myocardial infarction patient compliance. Hilbert GA. **Nurs Res** 1985 Jul-Aug;34(4):217-20
Cardiac awareness in infarct patients and normals. Jones GE, et al. **Psychophysiology** 1985 Jul;22(4):480-7
The impact of denial and repressive style on information gain and rehabilitation outcomes in myocardial infarction patients. Shaw RE, et al. **Psychosom Med** 1985 May-Jun; 47(3):262-73
Major depression in patients with cardiac disease: diagnosis and somatic treatment. Levenson JL, et al. **Psychosomatics** 1985 Feb;26(2):91-102
Threat to social status and cardiovascular risk. Siegrist J. **Psychother Psychosom** 1984;42(1-4):90-6
[Behavior and heart infarct] Appels A. **Ned Tijdschr Geneeskd** 1985 Mar 9;129(10):436-9 **(Dut)**
[The psyche and cardiac infarct] Halhuber C. **Schweiz Med Wochenschr** 1984 Dec 8;114(49):1822-7 (Eng. Abstr.) **(Ger)**
[Sexual dysfunction in infarct patients and their partner: repercussions on the couple's relations] Cappelli V, et al. **G Ital Cardiol** 1984 Jul;14(7):505-7 (Eng. Abstr.) **(Ita)**
[Limits of mental stress as an instrument for evaluative screening in recent myocardial infarction] Lopriore V, et al. **G Ital Cardiol** 1985 Mar;15(3):266-72 (Eng. Abstr.) **(Ita)**
[Rorschach profiles in a group of heart patients and a group of patients with gastroenteropathies. Comparative analysis] Bottazzi R, et al. **Minerva Psichiatr** 1984 Apr-Jun; 25(2):85-91 (Eng. Abstr.) **(Ita)**
[Acute mental disorders in myocardial infarction] Florkiewicz H, et al. **Pol Tyg Lek** 1984 Jun 12-25; 39(25-26):871-3 (Eng. Abstr.) **(Pol)**
[Somatic disorders and personality characteristics in patients with recent myocardial infarct] Nasilowska-Barud A, et al. **Wiad Lek** 1984 Jul 15;37(14):1073-8 (Eng. Abstr.) **(Pol)**
[The 16 PF in acute myocardial infarct patients] Hernández Martínez J, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Sep-Oct;12(5):314-20 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Detection of myocardial infarction in dogs by contrast enhanced sequential CT scans. Feinberg DA, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jan-Feb;26(1):93-9
Prospective demonstration of myocardial infarction by CT. Godwin JD, et al. **AJR** 1984 Nov;143(5):985-6
Early angiography after myocardial infarction: what have we learned? de Feyter PJ, et al. **Am Heart J** 1985 Jan; 109(1):194-9
Imaging of acute myocardial infarction in man with contrast-enhanced computed transmission tomography. Kramer PH, et al. **Am Heart J** 1984 Dec;108(6):1514-23
Usefulness of the chest x-ray for predicting abnormal left ventricular function after acute myocardial infarction. Madsen EB, et al. **Am Heart J** 1984 Dec;108(6):1431-6
Acute myocardial infarction with angiographically normal coronary arteries. Hackworthy RA, et al. **Am J Cardiol** 1984 Nov 1;54(8):1135-6
Is there an indication for coronary angiography in patients under 60 years of age with no or minimal angina pectoris after a first myocardial infarction? Veenbrink TW, et al. **Br Heart J** 1985 Jan;53(1):30-5
Angiographic findings after myocardial infarction in patients with previous bypass surgery: explanations for smaller

infarcts in this group compared with control patients. Crean PA, et al. **Circulation** 1985 Apr;71(4):693-8

Quantification of myocardial infarction: a comparison of single photon-emission computed tomography with pyrophosphate to serial plasma MB-creatine kinase measurements. Jansen DE, et al. **Circulation** 1985 Aug; 72(2):327-33

Arteriographic predictors of spontaneous improvement in left ventricular function after myocardial infarction. Schwartz H, et al. **Circulation** 1985 Mar;71(3):466-72

Is coronary arteriography indicated in asymptomatic patients after a myocardial infarction? McIntosh HD. **Indian Heart J** 1982 Nov-Dec;34(6):357-63

Coronary angiographic significance of left anterior fascicular block during acute myocardial infarction. Bosch X, et al. **J Am Coll Cardiol** 1985 Jan;5(1):9-15

Evaluation of diseases associated with cardiac enlargement using principal component analysis of plain chest x-ray films. Shiraishi T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 May 25; 44(5):659-70

The results of coronary arteriography in young men after myocardial infarction in north-east Scotland. Irvine N, et al. **Scott Med J** 1985 Jan;30(1):8-14

[Myocardial infarction and angiographically normal coronary vessels] Schneider R. **Bull Soc Sci Med Grand Duche Luxemb** 1984;121(1):37-45 **(Fre)**

[Occurrence and predictability of progression of high grade coronary vessel stenoses to occlusions] Kober G, et al. **Z Kardiol** 1984 Nov;73(11):674-8 (Eng. Abstr.) **(Ger)**

[Evaluation of regional wall motion in myocardial infarction using animation ECG gated cardiac computed tomography] Shimizu T, et al. **J Cardiogr** 1984 Aug; 14(2):257-66 (Eng. Abstr.) **(Jpn)**

[Myocardial infarction. Perspectives in using computerized tomography] Wójtowicz J. **Pol Przegl Radiol (Warszawa)** 1984 Jan-Feb;48(1):53-6 **(Pol)**

[Cinecoronariography after acute myocardial infarct: for whom?] Bassan R. **Arq Bras Cardiol** 1984 Sep;43(3):145-7 **(Por)**

[X-ray characteristics of the heart in the acute period of myocardial infarct] Tiurin EI, et al. **Vestn Rentgenol Radiol** 1984 Jul-Aug;(4):47-53 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Nuclear cardiology. Penkava RR. **Am Fam Physician** 1985 May;31(5):157-62

Comparison of a QRS scoring system for estimating acute infarct size with radionuclide left ventriculography. Babbitt D, et al. **Am Heart J** 1984 Dec;108(6):1426-30

Technetium-99m-pyrophosphate scintigraphy in patients with suspected acute myocardial infarction: impact of interobserver variability. Fisher ML, et al. **Am Heart J** 1985 Aug;110(2):347-52

Scintigraphic characterization of Q wave and non-Q-wave acute myocardial infarction. Wahl JM, et al. **Am Heart J** 1985 Apr;109(4):769-75

Coronary artery reperfusion in acute myocardial infarction: assessment by pre- and postintervention thallium-201 myocardial perfusion imaging. De Coster PM, et al. **Am J Cardiol** 1985 Apr 1;55(8):889-95

Value of radionuclide angiography for predicting specific cardiac events after acute myocardial infarction. Morris KG, et al. **Am J Cardiol** 1985 Feb 1;55(4):318-24

Early positive technetium-99m stannous pyrophosphate images as a marker of reperfusion after thrombolytic therapy for acute myocardial infarction. Wheelan K, et al. **Am J Cardiol** 1985 Aug 1;56(4):252-6

Perioperative ischemic injury after coronary bypass graft surgery. Li W, et al. **Am J Surg** 1985 Jul;150(1):122-6

Improved detection of myocardial infarction by emission computed tomography with thallium-201. Relation to infarct size. Tamaki S, et al. **Br Heart J** 1984 Dec; 52(6):621-7

Left ventricular platelet deposition after acute myocardial infarction. An attempt at quantification using blood pool subtracted indium-111 platelet scintigraphy. Verheugt FW, et al. **Br Heart J** 1984 Nov;52(5):490-6

Thallium-201 scintigraphy for ischaemic heart disease and infarct detection: comparison of rotating slant-hole tomography and planar imaging. Mills JA, et al. **Br J Radiol** 1985 Jul;58(691):625-34

Quantitation of size of relative myocardial perfusion defect by single-photon emission computed tomography. Caldwell JH, et al. **Circulation** 1984 Dec;70(6):1048-56

The noninvasive diagnosis of isolated right ventricular infarction. Garty I, et al. **Clin Nucl Med** 1984 Dec; 9(12):712-5

Comparison of technetium-99m pyrophosphate and technetium-99m methylene diphosphonate with variable amounts of stannous chloride in the detection of acute myocardial infarction. Huckell VF, et al. **Clin Nucl Med** 1985 Jul;10(7):455-62

Importance of markers in Tc-99m pyrophosphate myocardial images. Vasavada PJ, et al. **Clin Nucl Med** 1985 Feb; 10(2):115

Free fatty acid scintigraphy in patients with successful thrombolysis after acute myocardial infarction. Visser FC, et al. **Clin Nucl Med** 1985 Jan;10(1):35-9

Assessment of myocardial necrosis immediately after intracoronary thrombolysis by intracoronary injection of technetium-99m pyrophosphate. Schofer J, et al. **Eur Heart J** 1984 Aug;5(8):617-21

The diagnosis and early complications of right ventricular infarction. Garty I, et al. **Eur J Nucl Med** 1984;9(10):453-60

Clinical evaluation of positive myocardial imaging [letter] Hale TI, et al. **Eur J Nucl Med** 1984;9(11):525-6

Amplitude distribution in the right ventricle. Ham HR, et al. **Eur J Nucl Med** 1985;10(1-2):75-6

Radionuclide assessment of right-ventricular involvement in inferior acute myocardial infarction: clinical correlations and in-hospital follow-up. Palagi B, et al. **Eur J Nucl Med** 1985;10(5-6):235-40

Emission tomography with 99mTc-pyrophosphate in the diagnosis of acute myocardial infarction. Pöyhönen L, et al. **Eur J Nucl Med** 1985;10(11-12):489-93

Radionuclide assessment of left and right ventricular function following acute myocardial infarction. Khanna CM, et al. **Indian Heart J** 1985 Jan-Feb;37(1):8-12

Evaluation of [99mTc]N-phosphorylaminoethyl-phosphate [(99mTc]PAEP) as imaging agent in acute myocardial infarction. Chiotellis E, et al. **Int J Nucl Med Biol** 1984; 11(3-4):280-2

Intracoronary thallium-201 assessment of thrombolysis in acute myocardial infarction. Validation of the method of imaging before and after therapy. Parker JA, et al. **Invest Radiol** 1985 Jan-Feb;20(1):17-20

Scintigraphic detection of coronary artery thrombi in patients with acute myocardial infarction. Fox KA, et al. **J Am Coll Cardiol** 1984 Nov;4(5):975-86

Scintigraphic evidence of the 'no reflow' phenomenon in human beings after coronary thrombolysis. Schofer J, et al. **J Am Coll Cardiol** 1985 Mar;5(3):593-8

First transit and equilibrium radionuclide angiography in patients with inferior transmural myocardial infarction: criteria for the diagnosis of associated hemodynamically significant right ventricular infarction. Starling MR, et al. **J Am Coll Cardiol** 1984 Nov;4(5):923-30

Measurement of myocardial infarction fraction using single photon emission computed tomography. Wolfe CL, et al. **J Am Coll Cardiol** 1985 Jul;6(1):145-51

Effect of vitamin D3 on imaging of experimental myocardial infarcts with technetium-99m pyrophosphate: further studies of the role of calcium. Carr EA Jr, et al. **J Nucl Med** 1985 Feb;26(2):157-64

Dynamic positron computed tomography of the heart with a high sensitivity positron camera and nitrogen-13 ammonia. Tamaki N, et al. **J Nucl Med** 1985 Jun; 26(6):567-75

Acute uptake and chronic retention of infarct avid myocardial-seeking agents: 99Tcm-pyrophosphate and 125I-phenylphosphate. Castronovo FP Jr, et al. **Nucl Med Commun** 1984 Oct;5(10):647-54

Scintigraphic detection of experimental myocardial infarction with 99mTc-2,3-dimercaptosuccinic acid. Duška F, et al. **Nuklearmedizin** 1984 Dec;23(6):317-9

The value of the modified high temporal resolution phase analysis for the detection of myocardial infarction. Ohtake T, et al. **Radiat Med** 1983 Jan-Mar;1(1):31-8

Cardiac radionuclide angiography in patient with cerebrovascular disease [letter] Ciceranо U, et al. **Stroke** 1985 Jan-Feb;16(1):132

[A correlative study of myocardial infarction by 201T1 imaging and electrocardiography] Dai YH. **Chung Hua Nei Ko Tsa Chih** 1984 Dec;23(12):731-4, 789 (Eng. Abstr.) **(Chi)**

[Scintigraphic detection of acute experimental myocardial infarct in dogs using 99m-2,3-dimercaptosuccinate] Duška F, et al. **Cas Lek Cesk** 1984 Dec 28;123(52):1590-4 (Eng. Abstr.) **(Cze)**

[Early diagnosis of acute myocardial infarct using cardiac scintigraphy] Novák J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1982;25(5):461-75 (Eng. Abstr.) **(Cze)**

[Enzymatic and scintigraphic determined infarct size: significance for left ventricular function following infarct] Sieber R, et al. **Z Kardiol** 1984 Dec;73(12):748-55 (Eng. Abstr.) **(Ger)**

[Follow-up of patients with anterior wall aneurysms using radionuclide ventriculography] Tebbe U, et al. **Z Kardiol** 1985 Apr;74(4):199-204 (Eng. Abstr.) **(Ger)**

[Myocardial T1-201 scintigraphy in the study of the development of acute myocardial infarction. Evaluation of the effects of a drug with metabolic action: creatine phosphate] Pedone V, et al. **Clin Ter** 1984 Dec 31; 111(6):531-8 (Eng. Abstr.) **(Ita)**

[Radioisotope study (first pass) of left ventricular function in 2 oblique projections using gold-195m after myocardial infarction] Schad N, et al. **Radiol Med (Torino)** 1984 Oct; 70(10):739-47 (Eng. Abstr.) **(Ita)**

[Quantitative correlation between thallium-201 myocardial emission computed tomography and left ventriculography in old myocardial infarction] Matsushima H, et al. **J Cardiogr** 1984 Aug;14(2):237-46 (Eng. Abstr.) **(Jpn)**

[Wall motion abnormality in myocardial infarction; a new method of regional wall motion analysis by gated blood pool scan] Hayashi S, et al. **Kaku Igaku** 1984 Nov; 21(11):1395-402 (Eng. Abstr.) **(Jpn)**

[Evaluation of cardiac performance and infarct size in acute myocardial infarction: assessment by combination of first pass method of 99mTc-pyrophosphate and its myocardial scintigraphy] Hayashida K, et al. **Kaku Igaku** 1984 Dec; 21(12):1569-77 (Eng. Abstr.) **(Jpn)**

[Count density method for sizing myocardial infarction with Tc-99m-stannous pyrophosphate myocardial scintigraphy] Kiriyama T, et al. **Kaku Igaku** 1985 Jan;22(1):75-9 (Eng. Abstr.) **(Jpn)**

[Evaluation of the right and left ventricular function in patients with myocardial infarction using quantitative radionuclide cardioangiography: analysis by the ejection fraction, ventricular volume and functional image] Nishimura T, et al. **Kaku Igaku** 1984 Nov;21(11):1403-11 (Eng. Abstr.) **(Jpn)**

[Detection of regional wall motion abnormalities in the patients with myocardial infarction: assessment by gated blood pool scans from multiple (ANT, LAO and LPO) views] Nishimura T, et al. **Kaku Igaku** 1984 Aug; 21(8):933-40 (Eng. Abstr.) **(Jpn)**

[Positron CT imaging for the assessment of myocardial infarction with 13NH3: dynamic and multi-plane images by positological-II] Shishido F, et al. **Kaku Igaku** 1984 Jul;21(7):799-804 (Eng. Abstr.) **(Jpn)**

[Evaluation of right ventricular infarction using Fourier analysis] Takahashi T, et al. **Kaku Igaku** 1984 May; 21(5):427-33 (Eng. Abstr.) **(Jpn)**

[Thallium lung uptake images (TLI) in patients with acute myocardial infarction] Tanaka T, et al. **Kaku Igaku** 1985 Mar;22(3):321-30 (Eng. Abstr.) **(Jpn)**

[Clinical trial of higher order phase analysis in ECG gated blood pool emission computed tomography] Tsuda T, et al. **Kaku Igaku** 1984 Nov;21(11):1469-73 (Eng. Abstr.) **(Jpn)**

[Significance of redistribution of infarction sites in exercise thallium-201 scintigraphy] Kanno K, et al. **Kokyu To Junkan** 1984 Sep;32(9):925-30 (Eng. Abstr.) **(Jpn)**

[Clinical usefulness of technetium-99m pyrophosphate and Tl-201 myocardial imaging for the estimation of myocardial infarction—relationship between total serum CPK and the left ventricular function during the acute phase of myocardial infarct] Suzuki A, et al. **Kokyu To Junkan** 1985 Apr;33(4):537-43 (Eng. Abstr.) **(Jpn)**

[A dynamic study of intravenously administered 13NH3 with positron computed tomography: investigation of normal subjects and patients with myocardial infarction] Yoshida K, et al. **Kokyu To Junkan** 1984 Jul;32(7):741-6 (Eng. Abstr.) **(Jpn)**

[Myocardial scintigraphy with thallium-201 in myocardial infarction] Netto SA, et al. **Arq Bras Cardiol** 1984 Sep; 43(3):161-6 (Eng. Abstr.) **(Por)**

[Radionuclide angiography in assessing the heart function of myocardial infarct patients] Carp C, et al. **Rev Med Interna [Med Interna]** 1984 Jul-Aug;36(4):317-23 **(Rum)**

[Usefulness of myocardial scintigrams with technetium in the diagnosis of acute myocardial necrosis] Gherasim L, et al. **Rev Med Interna [Med Interna]** 1984 Jul-Aug;36(4):325-37 (Eng. Abstr.) **(Rum)**

[Clinical evaluation of dynamic scintigraphy of the myocardium with Tl-201 in patients with acute myocardial infarction] Khadzhidis PK, et al. **Kardiologiia** 1984 Jul; 24(7):66-71 (Eng. Abstr.) **(Rus)**

[Phenomenon of pyrophosphate accumulation in the prognosis of different forms of ischemic heart disease] Sycheva IM, et al. **Kardiologiia** 1984 Aug;24(8):52-7 (Eng. Abstr.) **(Rus)**

[Digital radiocardioangiography as an auxiliary method for the precise localization of zones of myocardial concentration of 99mTc-Sn(II)-pyrophosphate. Preliminary report] Cuarón A, et al. **Arch Inst Cardiol Mex** 1985 Jan-Feb;55(1):25-9 (Eng. Abstr.) **(Spa)**

[Parameters derived from ventriculography using radioactive isotopes applied to the study of acute myocardial infarction] Marín MD, et al. **Rev Esp Cardiol** 1985 Mar-Apr; 38(2):137-43 (Eng. Abstr.) **(Spa)**

[Secondary hyperthyroidism in a patient with acute myocardial infarct as a possible cause of a false negative study with technetium pyrophosphate] Sánchez de Posada I, et al. **Rev Esp Cardiol** 1985 Jan-Feb;38(1):72-4 (Eng. Abstr.) **(Spa)**

REHABILITATION

Medically directed at-home rehabilitation soon after clinically uncomplicated acute myocardial infarction: a new model for patient care. DeBusk RF, et al. **Am J Cardiol** 1985 Feb 1;55(4):251-7

Role of physical activity as a secondary intervention for healed myocardial infarction. Naughton J. **Am J Cardiol** 1985 Apr 26;55(10):21D-26D

Use of simulated work testing in cardiac rehabilitation: a case report. Wilke NA, et al. **Am J Occup Ther** 1985 May; 39(5):327-30

Rehabilitation of patients with cardiac conditions. Gloag D. **Br Med J [Clin Res]** 1985 Feb 23;290(6468):617-20

Home versus group exercise training for increasing functional capacity after myocardial infarction. Miller NH, et al. **Circulation** 1984 Oct;70(4):645-9

Exercise prescription for the cardiac patient: an update. Pollock ML, et al. **Clin Sports Med** 1984 Apr;3(2):425-42 (72 ref.)

Early ambulation after myocardial infarction. The in-patient exercise program. Wenger NK. **Clin Sports Med** 1984 Apr; 3(2):333–48

Rehabilitation after myocardial infarction. Wenger NK. **Compr Ther** 1985 Mar;11(3):68–74

The heart patient after hospitalization: social and psychological factors in life after a heart attack. Croog SH. **Conn Med** 1984 Oct;48(10):633–7

Influence of age on functional recovery after myocardial infarction. Messin R, et al. **Cor Vasa** 1985;27(2–3):136–41

Physical training in patients after myocardial infarction. Review article. Stolz I, et al. **Cor Vasa** 1984;26(3):229–34

Compliance with cardiac rehabilitation in the elderly. Gori P, et al. **Eur Heart J** 1984 Nov;5 Suppl E:109–11

Is old age a contraindication to cardiac rehabilitation after acute myocardial infarction? Opasich C, et al. **Eur Heart J** 1984 Nov;5 Suppl E:105–7

The value of early out-patient cardiac exercise programmes for the elderly in comparison with other selected age groups. Williams MA, et al. **Eur Heart J** 1984 Nov;5 Suppl E:113–5

Guidelines for exercise therapy of the elderly after myocardial infarction. Williams MA, et al. **Eur Heart J** 1984 Nov;5 Suppl E:121–3

Smoking following myocardial infarction: a critical review of the literature. Burling TA, et al. **Health Psychol** 1984; 3(1):83–96 (33 ref.)

Cardiac rehabilitation after myocardial infarction. Shah SJ, et al. **J Assoc Physicians India** 1984 Jun;32(6):517–9

The effects of education and group discussion in the post myocardial infarction patient. Horlick L, et al. **J Psychosom Res** 1984;28(6):485–92

Rehabilitation after myocardial infarction [editorial] **Lancet** 1985 Aug 10;2(8450):314

Rehabilitation of the female patient after myocardial infarction. Boogaard MA. **Nurs Clin North Am** 1984 Sep; 19(3):433–40

Assessing the educational needs of post-myocardial infarction patients. Moynihan M. **Nurs Clin North Am** 1984 Sep; 19(3):441–7

Living with coronary artery disease. The nurse's role. Pinneo R. **Nurs Clin North Am** 1984 Sep;19(3):459–67

Myocardial infarction and advice on sexual activity. Cooper AJ. **Practitioner** 1985 Jun;229(1404):575–9

[Outpatient polyclinic rehabilitation of patients who have had a myocardial infarct] Kokutsov A, et al. **Vutr Boles** 1985; 24(3):57–61 (Eng. Abstr.) **(Bul)**

[Rehabilitation for work after myocardial infarct and after the reconstruction of coronary vessels] Denolin H. **Cas Lek Cesk** 1985 Mar 8;124(10):293–6 (Eng. Abstr.) **(Cze)**

[Institutionalized cardiovascular rehabilitation] Jaggi CP. **Rev Med Suisse Romande** 1984 Oct;104(10):831–9 **(Fre)**

[The coronary rehabilitation program at the Laval City of Health] Lapointe L, et al. **Union Med Can** 1984 Sep; 113(9):746–9 (Eng. Abstr.) **(Fre)**

[Disability following survival of heart infarct] Donat K, et al. **Lebensversicherungsmedizin** 1984 Oct 5;36(8):181–5 (Eng. Abstr.) **(Ger)**

[Clinical perception and recovery in myocardial infarct patients at a rehabilitation clinic] Krampen G, et al. **Rehabilitation (Stuttg)** 1985 May;24(2):64–8 (Eng. Abstr.) **(Ger)**

[Can factors of prognostic significance be identified during rehabilitation of cardiac infarct patients?] Niederhauser HU, et al. **Schweiz Med Wochenschr** 1984 Dec 1; 114(48):1751–6 (Eng. Abstr.) **(Ger)**

[Rehabilitation measures following myocardial infarct] Ehrenböck R. **Wien Med Wochenschr** 1984 Dec 31; 134(23–24):572–5 (Eng. Abstr.) **(Ger)**

[Results and value of a submaximal and symptom-limited stress test in the 3d week following acute myocardial infarct] Schaller K, et al. **Z Gesamte Inn Med** 1984 Aug 1;39(15):365–7 (Eng. Abstr.) **(Ger)**

[Results of long-term conditioning in patients with myocardial infarction during phase III rehabilitation] Schauer J, et al. **Z Gesamte Inn Med** 1985 Jun 1; 40(11):330–5 (Eng. Abstr.) **(Ger)**

[Effect of an inpatient exercise therapy program on the R and RS amplitude in the stress ECG] Tahy A, et al. **Z Gesamte Inn Med** 1984 Aug 1;39(15):362–5 (Eng. Abstr.) **(Ger)**

[Changes in sympathetic activity in 18 postinfarct patients following a year of exercise therapy] Lehmann M, et al. **Z Kardiol** 1984 Dec;73(12):756–9 (Eng. Abstr.) **(Ger)**

[Value of inpatient rehabilitation measures following myocardial infarct] Mathes P. **Z Kardiol** 1984 Dec; 73(12):740–7 (Eng. Abstr.) **(Ger)**

[A proposal for the systemic evaluation of the infarct patient] **G Ital Cardiol** 1984 Sep;14(9):727–33 **(Ita)**

[Rehabilitation of the worker with heart disease] Giannuzzi P, et al. **G Ital Med Lav** 1984 Jan–Mar;6(1–2):41–50 (Eng. Abstr.) **(Ita)**

[Follow-up of patients with myocardial infarction] Riva D, et al. **Med Lav** 1985 Mar–Apr;76(2):130–7 (Eng. Abstr.) **(Ita)**

[Long-term prognosis of acute myocardial infarction. Evaluation of the effects of systematic rehabilitation in hospitalization––comparison of the prognosis between the matched control patients and the rehabilitated patients] Uchida H, et al. **Nippon Naika Gakkai Zasshi** 1984 Dec; 73(12):1781–8 **(Jpn)**

[Role of fear in patients after myocardial infarction in the development of differences between a subjective and clinical evaluation of their working capacity] Babiarz M, et al. **Kardiol Pol** 1984;27(10):847–52 (Eng. Abstr.) **(Pol)**

[Effect of sanatorium rehabilitation of patients after myocardial infarct on various echocardiographic parameters reflecting the inotropic state of the myocardium] Wysokiński A, et al. **Kardiol Pol** 1984; 27(5):367–74 (Eng. Abstr.) **(Pol)**

[Radioisotope evaluation of left-ventricular function in patients after myocardial infarction] Zaorska-Rajca J, et al. **Pol Przegl Radiol (Warszawa)** 1984 Sep–Oct; 48(5):269–74 (Eng. Abstr.) **(Pol)**

[Various factors influencing patients' return to occupational activities after myocardial infarction; their effect on the recurrence of infarction and mortality] Parczewska T, et al. **Pol Tyg Lek** 1984 Dec 10;39(50):1669–72 (39 ref.) **(Pol)**

[Blood serum enzymes during early physical rehabilitation of patients with myocardial infarction] Petelenz T, et al. **Pol Tyg Lek** 1984 Dec 10;39(50):1637–40 (Eng. Abstr.) **(Pol)**

[Circulatory efficiency in patients after myocardial infarction during exercise rehabilitation in the health resort] Stepień Z. **Pol Tyg Lek** 1984 Nov 12;39(46):1501–4 (Eng. Abstr.) **(Pol)**

[Parameters of left-ventricular function in patients with acute myocardial infarction during early kinesitherapy] Petelenz T, et al. **Przegl Lek** 1984;41(11):655–60 (Eng. Abstr.) **(Pol)**

[Effect of controlled exercise on atrial electrocardiographic findings in patients after myocardial infarct during rehabilitation treatment at a sanatorium] Markiewicz M, et al. **Wiad Lek** 1984 Apr 1;37(7):489–95 (Eng. Abstr.) **(Pol)**

[Results of ambulatory observation of patients after myocardial infarction treated at the Scientific Research Center in Naleczów and those not subjected to sanatorium rehabilitation] Rymar B, et al. **Wiad Lek** 1984 Jun 1; 37(11):821–5 (Eng. Abstr.) **(Pol)**

[Effect of intensive physical training on the hospital stage of the rehabilitation of patients with macrofocal myocardial infarct] Al'khimovich VM, et al. **Kardiologiia** 1985 May; 25(5):61–6 (Eng. Abstr.) **(Rus)**

[Evaluation of the measures for the psychological rehabilitation of myocardial infarct patients] Bluzhas IuN, et al. **Kardiologiia** 1984 Sep;24(9):76–81 **(Rus)**

[Organization of the rehabilitation of patients with myocardial infarction in rural areas] Efremushkin GG, et al. **Kardiologiia** 1984 Nov;24(11):115–6 **(Rus)**

[Effect of long-term intensive physical training on adrenocortical function of patients with a history of myocardial infarct] Gogokhniia ND. **Kardiologiia** 1985 Feb; 25(2):91–2 **(Rus)**

[A school for patients with a history of myocardial infarct and their families: a method of group psychosocial intervention and an assessment of its effectiveness] Nikolaeva LF, et al. **Kardiologiia** 1985 Feb;25(2):19–22 (Eng. Abstr.) **(Rus)**

[Rehabilitation of myocardial infarct patients in the hospital phase] Nikolaeva LF, et al. **Kardiologiia** 1984 Dec; 24(12):104–9 **(Rus)**

[Effectiveness of patient rehabilitation in a complicated course of myocardial infarct] Nikolaeva LF, et al. **Klin Med (Mosk)** 1985 Jan;63(1):39–47 (Eng. Abstr.) **(Rus)**

[Use of beta-blockers and a calcium antagonist in angina pectoris during the period of postinfarct rehabilitation] Urbaniuk KG, et al. **Klin Med (Mosk)** 1984 Jul;62(7):36–9 (Eng. Abstr.) **(Rus)**

[Effect of physical training in ischemic heart disease] Siluianova VA, et al. **Sov Med** 1985;(4):8–15 (Eng. Abstr.) **(Rus)**

[Effectiveness of rehabilitation measures in patients with acute focal myocardial dystrophy] Romanov AI, et al. **Ter Arkh** 1984;56(11):17–9 **(Rus)**

[Results of the rehabilitative treatment of patients with a history of myocardial infarct depending on the clinical course of the disease (based on long-term observational data)] Sledzevskaia IK, et al. **Ter Arkh** 1985;57(1):40–2 **(Rus)**

[Tolerance for physical exertion and its changes in patients with myocardial infarction in the second stage of rehabilitation at the Druskininkaĭ health resort] Biliukas MM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan–Feb;(1):16–8 (Eng. Abstr.) **(Rus)**

[Use of adaptation to the conditions of medium-height mountains as a means of secondary prevention of ischemic heart disease] Bykhovskiĭ VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May–Jun; (3):11–3 (Eng. Abstr.) **(Rus)**

[Changes in physical work capacity of patients with myocardial infarction under the effect of graded bicycle training with preliminary action of magnetic field] Ezhova LV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan–Feb;(1):58–9 **(Rus)**

[Rehabilitation of patients with myocardial infarction in the early post-hospitalization stage in a suburban sanatorium] Rychkova MA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan–Feb;(1):10–2 (Eng. Abstr.) **(Rus)**

[Use of dry carbonate baths in the sanatorial and ambulatory stages of rehabilitation of patients with acute myocardial infarction] Sorokina EI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan–Feb;(1):5–9 (Eng. Abstr.) **(Rus)**

[Causes of the exacerbation of coronary insufficiency in patients with myocardial infarction in the sanatorial stage of rehabilitation] Urbaniuk KG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan–Feb;(1):60–1 **(Rus)**

[Late results of using graded swimming for patients with a history of myocardial infarct] Akhmedzhanov MIu, et al. **Vrach Delo** 1984 Nov;(11):13–5 **(Rus)**

[Use of sodium succinate in patients with a history of myocardial infarction] Aktaeva IN, et al. **Vrach Delo** 1985 Jun;(6):6–8 (Eng. Abstr.) **(Rus)**

[Relation between systemic hemodynamics and clinical variants of the restorative period in patients with myocardial infarct] Golovkov IuZh. **Vrach Delo** 1985 Feb; (2):70–3 (Eng. Abstr.) **(Rus)**

[Rehabilitation of microfocal myocardial infarct patients in stages] Gorpinchenko EI, et al. **Vrach Delo** 1984 Dec; (12):47–50 (Eng. Abstr.) **(Rus)**

[Reversion of ECG T wave as a criterion for the discontinuation of an exercise test in patients with myocardial infarction] Sledzevskaia IK, et al. **Vrach Delo** 1985 Mar;(3):30–3 (Eng. Abstr.) **(Rus)**

[Effectiveness of different regimens of physical rehabilitation with patients with microfocal myocardial infarct] Vitruk SK, et al. **Vrach Delo** 1984 Aug;(8):10–3 (Eng. Abstr.) **(Rus)**

SURGERY

Relationship between myocardial perfusion and function following coronary reflow in the canine heart using single photon emission computed tomography and two-dimensional echocardiography. Buda AJ, et al. **Am Heart J** 1985 Jun;109(6):1375–84

Thrombolysis and coronary reoperation: successful combined therapy for acute postoperative myocardial infarction. Rojo H, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):586–90

Are the findings from the randomized Coronary Artery Surgery Study (CASS) of value in the management of patients soon after acute myocardial infarction? Rahimtoola SH. **Am J Cardiol** 1985 Jul 1;56(1):179–81

Predictors of outcome in early revascularization after acute myocardial infarction. Gertler JP, et al. **Am J Surg** 1985 Apr;149(4):441–4

Emergency coronary artery bypass graft surgery for threatened acute myocardial infarction related to coronary artery catheterization. Roberts AJ, et al. **Ann Thorac Surg** 1985 Feb;39(2):116–24

Successful repair of extensive inferior myocardial infarction with septal and free wall rupture. Held P, et al. **Chest** 1985 Apr;87(4):540–1

Intermediate-term results of coronary artery bypass grafting for acute myocardial infarction. Kirklin JK, et al. **Circulation** 1985 Sep;72(3 Pt 2):II175–8

Emergency bypass surgery: late effects on size of infarction and ventricular function. Vanhaecke J, et al. **Circulation** 1985 Sep;72(3 Pt 2):II179–84

Sustained ventricular tachyarrhythmias within 2 months of acute myocardial infarction: results of medical and surgical therapy in patients resuscitated from the initial episode. DiMarco JP, et al. **J Am Coll Cardiol** 1985 Oct;6(4):759–68

Malignant ventricular arrhythmias early after myocardial infarction: brighter prospects [editorial] Miller JM, et al. **J Am Coll Cardiol** 1985 Oct;6(4):769–71

Acute evolving myocardial infarction. A surgical emergency. Berg R Jr, et al. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 2):902–6

Timing of coronary revascularization after acute myocardial infarction. Early and late results in patients revascularized within seven weeks. Hochberg MS, et al. **J Thorac Cardiovasc Surg** 1984 Dec;88(6):914–21

Early operative intervention after thrombolytic therapy for acute myocardial infarction. Wellons HA Jr, et al. **J Vasc Surg** 1985 Jan;2(1):186–91

Emergency aorto-coronary bypass surgery after percutaneous transluminal coronary recanalization––its indication and results. Ban T. **Jpn Circ J** 1985 Jun; 49(6):643–8

The surgeon's role in the treatment of acute myocardial infarction. Silverman NA. **Surg Clin North Am** 1985 Jun; 65(3):527–37 (45 ref.)

[Surgical myocardial revascularization for infarction within the 1st 6 hours. Apropos of 23 cases] Glock Y, et al. **Ann Chir** 1984 Oct;38(7):482–4 **(Fre)**

[Surgical revascularization of myocardial infarction in the first 6 hours. Review of the recent literature] Glock Y. **Ann Chir** 1984 Oct;38(7):479–82 (Eng. Abstr.) **(Fre)**

[Emergency surgical revascularization in establishing myocardial infarctions. Treatment of subtotal coronary occlusions] Kreitmann P, et al. **Arch Mal Coeur** 1984 Oct; 77(10):1127–31 (Eng. Abstr.) **(Fre)**

[Surgical measures in the postinfarct phase] Deutsch M. **Wien Med Wochenschr** 1984 Dec 31;134(23–24):563–6 (Eng. Abstr.) **(Ger)**

[Surgical therapy of acute myocardial infarction] Lindenau KF, et al. **Z Gesamte Inn Med** 1985 Jun 1;40(11):322–5 (Eng. Abstr.) **(Ger)**

[Indication of aorto-coronary bypass surgery for the infarcted myocardium: assessment using exercise T1-201 myocardial imagings] Kubo H, et al. **J Cardiogr** 1984 Aug;

14(2):223-35 (Eng. Abstr.) (Jpn)

[A surgical approach for left ventricular aneurysm and acute myocardial infarction. Special reference to successful myocardial replacement with a dacron prosthesis for acute intraventricular rupture and left ventricular free-wall rupture] Yamazaki Y, et al. **Kyobu Geka** 1984 Aug; 37(8):592-7 (Eng. Abstr.) (Jpn)

[A case of simultaneous carotid endarterectomy and coronary artery revascularization] Sugimura S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Apr;32(4):546-51 (Eng. Abstr.) (Jpn)

THERAPY

Secondary prevention of coronary heart disease. Kornitzer M. **Acta Cardiol (Brux)** 1984;39(4):235-40

Unstable angina and evolving myocardial infarction following coronary bypass surgery: pathogenesis and treatment with interventional catheterization. Slysh S, et al. **Am Heart J** 1985 Apr;109(4):744-52

Intracoronary thrombolysis in acute myocardial infarction: clinical course following successful myocardial reperfusion. Urban PL, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):873-8

Mechanisms contributing to precipitation of unstable angina and acute myocardial infarction: implications regarding therapy. Epstein SE, et al. **Am J Cardiol** 1984 Dec 1; 54(10):1245-52 (79 ref.)

Percutaneous transluminal coronary angioplasty after intracoronary streptokinase in evolving acute myocardial infarction. Papapietro SE, et al. **Am J Cardiol** 1985 Jan 1;55(1):48-53

Early intervention in acute myocardial infarction: one center's perspective. Sobel BE. **Am J Cardiol** 1984 Dec 21;54(11):2E-7E (34 ref.)

Percutaneous transluminal coronary angioplasty in acute myocardial infarction without prior thrombolytic therapy. Sriram R, et al. **Am J Cardiol** 1985 Mar 1;55(6):842-3

Early exercise training in patients older than age 65 years compared with that in younger patients after acute myocardial infarction or coronary artery bypass grafting. Williams MA, et al. **Am J Cardiol** 1985 Feb 1;55(4):263-6

Superoxide dismutase enhances recovery following myocardial ischemia. Burton KP. **Am J Physiol** 1985 May; 248(5 Pt 2):H637-43

The effectiveness of continuing medical education in changing the behavior of physicians caring for patients with acute myocardial infarction. A controlled randomized trial. White CW, et al. **Ann Intern Med** 1985 May;102(5):686-92

Pathophysiology of myocardial reperfusion. Fox KA, et al. **Annu Rev Med** 1985;36:125-44 (120 ref.)

New sequential external counterpulsation for the treatment of acute myocardial infarction. Zheng ZS, et al. **Artif Organs** 1984 Nov;8(4):470-7

Right ventricular infarction, bradyarrhythmias, and cardiogenic shock: importance of atrial or atrioventricular sequential pacing. Abraham KA, et al. **Aust NZ J Med** 1985 Feb;15(1):52-4

Pre-hospital emergency care: evaluation of an Australian system. Bjorklünd P, et al. **Aust NZ J Med** 1984 Aug; 14(4):419-23

Emergency coronary artery bypass surgery after intracoronary thrombolysis for evolving myocardial infarction. Kay P, et al. **Br Heart J** 1985 Mar;53(3):260-4

Balloon inflation caused by contrast injection through the guiding catheter: an unusual observation during coronary angioplasty. van Gelder LM, et al. **Cathet Cardiovasc Diagn** 1984;10(3):253-8

Acute myocardial infarction complicated by left ventricular dysfunction and respiratory failure. The effects of continuous positive airway pressure. Räsänen J, et al. **Chest** 1985 Feb;87(2):158-62

The aggressive treatment of acute myocardial infarction. Braunwald E. **Circulation** 1985 Jun;71(6):1087-92

Lysis of left ventricular thrombi with urokinase. Kremer P, et al. **Circulation** 1985 Jul;72(1):112-8

A method of analysing general practitioner decision making concerning home or hospital coronary care. Stephenson AE, et al. **Community Health Stud** 1984;8(3):297-300

Pulsatile left atrial-femoral artery bypass aids in limiting myocardial infarct size following reperfusion. Grossi EA, et al. **Curr Surg** 1985 May-Jun;42(3):211-3

A survey of patients selected by general practitioners for home care of suspected myocardial infarction: arrhythmia detection using Holter monitoring. Brown AK, et al. **Eur Heart J** 1985 Jan;6(1):13-20

The persistent enigma of percutaneous angioplasty. Isner JM, et al. **Int J Cardiol** 1984 Sep;6(3):391-400

Intra-aortic balloon pumping: three years of clinical experience at the Middlesex Hospital [letter] Grice DM, et al. **Intensive Care Med** 1984;10(6):320-1

Results of a randomized prospective trial of intraaortic balloon counterpulsation and intravenous nitroglycerin in patients with acute myocardial infarction. Flaherty JT, et al. **J Am Coll Cardiol** 1985 Aug;6(2):434-46

Treating myocardial infarction at home [letter] Curtis P. **JAMA** 1985 Jan 18;253(3):344-5

Experience of emergency coronary artery bypass grafting surgery and operative transluminal coronary angioplasty. Endo M, et al. **Jpn Circ J** 1985 Jun;49(6):653-7

Effects of intracoronary thrombolysis therapy on left ventricular function after acute myocardial infarction. Sato H, et al. **Jpn Circ J** 1985 Jun;49(6):616-26

Mobile intensive coronary care [letter] Mason AM. **Lancet** 1985 Mar 30;1(8431):749

Mobile coronary care and community mortality from myocardial infarction. Mathewson ZM, et al. **Lancet** 1985 Feb 23;1(8426):441-4

Percutaneous transluminal coronary angioplasty, alone or in combination with streptokinase therapy, during acute myocardial infarction. Holmes DR Jr, et al. **Mayo Clin Proc** 1985 Jul;60(7):449-56

Treating the heart patient: what's new? Edwards KS. **Ohio State Med J** 1985 Feb;81(2):100-5

Complex coronary angioplasty I: Branch vessel stenosis and total coronary artery occlusion. Kereiakes DJ, et al. **Ohio State Med J** 1985 Feb;81(2):109-11, 116

[Attempt to analyze the extrahospital time in managing an acute myocardial infarct patient] Petrov S. **Vutr Boles** 1984; 23(5):82-6 (Eng. Abstr.) (Bul)

[Mini-catheters for guiding intravenous infusion in patients with acute myocardial infarction] Shen JY. **Chung Hua Hu Li Tsa Chih** 1985 Feb;20(1):23-4 (Chi)

[A possible alternative in failure of percutaneous intracoronary fibrinolysis: percutaneous endoluminal dilatation] Grollier G, et al. **Ann Cardiol Angeiol (Paris)** 1984 Nov;33(7):435-9 (Eng. Abstr.) (Fre)

[Regression of residual coronary stenosis after recanalization by fibrinolysis in myocardial infarction. Quantitative analysis of coronary angiography immediately after obstruction removal, at a 15-day and 3-month follow-up] Cribier A, et al. **Arch Mal Coeur** 1985 Mar;78(3):353-60 (Eng. Abstr.) (Fre)

[Comparative effects of intracoronary fibrinolysis and conventional treatment of myocardial infarction] Ledain L, et al. **Arch Mal Coeur** 1985 Jun;78(6):841-50 (Eng. Abstr.) (Fre)

[Immediate coronary angioplasty in the acute phase of myocardial infarction. French multicenter study: December 1983] Valeix B, et al. **Arch Mal Coeur** 1985 Jun; 78(6):831-7 (Eng. Abstr.) (Fre)

[Coronary angioplasty immediately after intracoronary thrombolysis during the acute phase of myocardial infarction] Valeix B, et al. **Arch Mal Coeur** 1984 Nov; 77(12):1315-21 (Eng. Abstr.) (Fre)

[Role of intravenous fibrinolysis and endoluminal dilatation in the acute phase of myocardial infarction (letter)] Grollier G, et al. **Presse Med** 1985 Feb 23;14(8):491 (Fre)

[Explosion of transdermal nitroglycerin during defibrillation (letter)] Kuhnen R, et al. **Dtsch Med Wochenschr** 1985 Jan 4;110(1):37 (Ger)

[Therapy of acute myocardial infarct] Mehmel HC. **Dtsch Med Wochenschr** 1985 May 10;110(19):763-5 (Ger)

[Long-term prognosis of acute transmural myocardial infarct after intracoronary thrombolysis treatment] Schwarz F, et al. **Dtsch Med Wochenschr** 1985 Sep 27;110(39):1494-7 (Eng. Abstr.) (Ger)

[Measures in the prehospital phase of acute myocardial infarct] Slany J. **Wien Med Wochenschr** 1984 Dec 31; 134(23-24):539-44 (Eng. Abstr.) (Ger)

[Controlled hyperventilation in the therapy of acute myocardial infarction] Engelmann L, et al. **Z Gesamte Inn Med** 1985 Jun 1;40(11):318-22 (Eng. Abstr.) (Ger)

[Transluminal angioplasty--unstable angina, fresh infarct] Meyer J, et al. **Z Kardiol** 1984;73 Suppl 2:167-76 (Eng. Abstr.) (Ger)

[Pre-coronary time in acute myocardial infarct. Data from the coronary unit of a provincial hospital] Filice I, et al. **Minerva Cardioangiol** 1984 Oct;32(10):653-7 (Eng. Abstr.) (Ita)

[Percutaneous transluminal coronary angioplasty and intra-operative angioplasty] Endo M, et al. **J Cardiogr** 1984; 14 Suppl 3:81-91 (Eng. Abstr.) (Jpn)

[Unsuccessful percutaneous transluminal coronary recanalization in coronary embolism] Saito Y, et al. **Kokyu To Junkan** 1984 Aug;32(8):861-5 (Eng. Abstr.) (Jpn)

[Clinical prolonged ventricular bypass assist in patients with critical cardiac conditions and its experimental basis] Taguchi K, et al. **Kokyu To Junkan** 1984 Oct; 32(10):1053-60 (Eng. Abstr.) (Jpn)

[Coronary thrombolysis in acute myocardial infarction] Oogami Y, et al. **Sangyo Ika Daigaku Zasshi** 1984 Dec 1;6(4):383-90 (Eng. Abstr.) (Jpn)

[Post-thrombolysis intracoronary angioplasty in acute evolving myocardial infarction] Carneiro RC. **Arq Bras Cardiol** 1984 Aug;43(2):77-9 (Por)

[Effect of assisted circulation by the intra-aortic balloon contrapulsation method and left ventricular shunting on the severity of destructive processes in the myocardium] Margulis MS, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):39-41 (Eng. Abstr.) (Rus)

[Long-term artificial pulmonary ventilation in the treatment of a patient with acute myocardial infarction complicated by true cardiogenic shock and pulmonary edema] Netiazhenko VZ, et al. **Anesteziol Reanimatol** 1984 Jul-Aug;(4):37-8 (Eng. Abstr.) (Rus)

[Clinico-instrumental evaluation of treatment results with postinfarct cardiosclerosis patients at a central highlands health resort] Bykhovskiĭ VM. **Kardiologiia** 1985 Feb; 25(2):92-4 (Rus)

[Results of using percutaneous transluminal coronary angioplasty in patients with stable and unstable angina pectoris and acute myocardial infarct] Ekha IaE, et al. **Kardiologiia** 1984 Oct;24(10):40-5 (Eng. Abstr.) (Rus)

[Use of percutaneous transluminal coronary angioplasty in treating acute myocardial infarct patients] Ekha IaE, et al. **Kardiologiia** 1984 Sep;24(9):44-7 (Eng. Abstr.) (Rus)

[Use of lidocaine peridural anesthesia in patients in the acute phase of a myocardial infarct] Smetnev SA, et al. **Kardiologiia** 1984 Aug;24(8):57-63 (Eng. Abstr.) (Rus)

[Intensive therapy of patients with myocardial infarction] Gogin EE, et al. **Voen Med Zh** 1984 Aug;(8):34-7 (Rus)

[Advances in coronary surgery: acute myocardial infarct and revascularization surgery] Concha Ruiz M. **Rev Esp Cardiol** 1984;37 Suppl 1:16-25 (62 ref.) (Eng. Abstr.) (Spa)

[Surgical revascularization immediately after intracoronary streptokinase perfusion. Presentation of a case] Pomar JL, et al. **Rev Esp Cardiol** 1984 Sep-Oct;37(5):368-70 (Eng. Abstr.) (Spa)

URINE

In vivo production of thromboxane in acute human myocardial infarction: a preliminary study. Vesterqvist O, et al. **Thromb Res** 1985 Feb 1;37(3):459-64

[Prostaglandin studies in normal subjects and in post-myocardial infarct patients] Lijnen P. **Verh K Acad Geneeskd Belg** 1985;47(1):49-62 (Eng. Abstr.) (Dut)

[Diagnostic significance of glycosaminoglycans and their fractions in myocardial infarct] Neverov IV, et al. **Lab Delo** 1984;(10):598-601 (Eng. Abstr.) (Rus)

MYOCARDIAL MITOCHONDRIA see **MITOCHONDRIA, HEART**

MYOCARDIAL REVASCULARIZATION

Relationship between myocardial perfusion and function following coronary reflow in the canine heart using single photon emission computed tomography and two-dimensional echocardiography. Buda AJ, et al. **Am Heart J** 1985 Jun;109(6):1375-84

Additional evidence for relative resistance to atherosclerosis of the internal mammary artery compared to saphenous vein when used to increase myocardial blood supply. Barbour DJ, et al. **Am J Cardiol** 1985 Sep 1;56(7):488

Coronary bypass using the internal mammary artery. Lewis MR, et al. **Am J Cardiol** 1985 Sep 1;56(7):480-2

Predictors of outcome in early revascularization after acute myocardial infarction. Gertler JP, et al. **Am J Surg** 1985 Apr;149(4):441-4

Perianesthetic ischemic episodes cause myocardial infarction in human--a hypothesis confirmed [editorial] Lowenstein E. **Anesthesiology** 1985 Feb;62(2):103-6

Does perioperative myocardial ischemia lead to postoperative myocardial infarction? Slogoff S, et al. **Anesthesiology** 1985 Feb;62(2):107-14

Clinical characteristics and current management of medically refractory unstable angina. Rankin JS, et al. **Ann Surg** 1984 Oct;200(4):457-65

Reoperation after previous grafting with the internal mammary artery: technique and early results. Baillot RG, et al. **Ann Thorac Surg** 1985 Sep;40(3):271-3

Twelve-year experience with bilateral internal mammary artery grafts. Galbut DL, et al. **Ann Thorac Surg** 1985 Sep; 40(3):264-70

Revascularization without embolization: coronary bypass in the presence of a calcified aorta. Holland DL, et al. **Ann Thorac Surg** 1985 Sep;40(3):308-10

A simple test to determine the efficiency of mammary artery grafts during operation. Robicsek F. **Ann Thorac Surg** 1985 Apr;39(4):388

Anomalous origin of the left thyrocervical trunk as a cause of residual pain after myocardial revascularization with internal mammary artery. Tartini R, et al. **Ann Thorac Surg** 1985 Sep;40(3):302-4

Left ventricular systolic and diastolic function in coronary artery disease: effects of revascularization on exercise-induced ischemia. Carroll JD, et al. **Circulation** 1985 Jul;72(1):119-29

Does mammary artery grafting increase surgical risk? Cosgrove DM, et al. **Circulation** 1985 Sep;72(3 Pt 2):II170-4

Myocardial recovery after hypothermic arrest: a comparison of oxygenated crystalloid to blood cardioplegia. The role of calcium. Heitmiller RF, et al. **Circulation** 1985 Sep;72(3 Pt 2):II241-53

Mitral valve replacement combined with myocardial revascularization: early and late results for 300 patients, 1970 to 1983. Lytle BW, et al. **Circulation** 1985 Jun; 71(6):1179-90

Effect of early postoperative volume loading on left ventricular systolic function (including left ventricular ejection fraction determined by myocardial marker) after myocardial revascularization. Miller DC, et al. **Circulation** 1985 Sep;72(3 Pt 2):II207-15

Preservation of myocardial function with mannitol reperfusate. Ouriel K, et al. **Circulation** 1985 Sep;72(3 Pt 2):II254-8

Myocardial protection via coronary sinus interventions: superior effects of arterialization compared with

NEWARK PUBLIC

intermittent occlusion. Zalewski A, et al. **Circulation** 1985 Jun;71(6):1215–23

Fascicular conduction disturbances and ischemic heart disease: adverse prognosis despite coronary revascularization. Bateman TM, et al. **J Am Coll Cardiol** 1985 Mar;5(3):632–9

Risk factor modification [letter] York E. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):383–4

Late results of coronary artery grafting: is there a flag on the field? [letter] Green GE. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 1):795–6

Myocardial surgical revascularization after streptokinase treatment for acute myocardial infarction. Losman JG, et al. **J Thorac Cardiovasc Surg** 1985 Jan;89(1):25–34

Long-term (5 to 12 years) serial studies of internal mammary artery and saphenous vein coronary bypass grafts. Lytle BW, et al. **J Thorac Cardiovasc Surg** 1985 Feb;89(2):248–58

Myocardial revascularization after failure of percutaneous transluminal coronary angioplasty. Pelletier LC, et al. **J Thorac Cardiovasc Surg** 1985 Aug;90(2):265–71

Bypass grafting in patients with renal failure [letter] Rubio-Alvarez J, et al. **J Thorac Cardiovasc Surg** 1985 Aug;90(2):309–10

Efficacy of crystalloid cardioplegic solutions in patients undergoing myocardial revascularization. Effect of infusion route and regional wall motion on preservation of adenine nucleotide stores. Silverman NA, et al. **J Thorac Cardiovasc Surg** 1985 Jan;89(1):90–6

Combined valve replacement and myocardial revascularization. Geha AS, et al. **J Vasc Surg** 1984 Jan;1(1):27–35

Early operative intervention after thrombolytic therapy for acute myocardial infarction. Wellons HA Jr, et al. **J Vasc Surg** 1985 Jan;2(1):186–91

Myocardial revascularization. Raza SM. **JPMA** 1985 May;35(5):137–9

The surgeon's role in the treatment of acute myocardial infarction. Silverman NA. **Surg Clin North Am** 1985 Jun;65(3):527–37 (45 ref.)

[Medium-term results of 200 consecutive systematic operations for revascularization of the anterior interventricular artery by the internal mammary artery] Cron JP, et al. **Arch Mal Coeur** 1985 Jul;78(7):1074–82 (Eng. Abstr.) **(Fre)**

[The future of coronary surgery patients] Hahn C. **Bull Acad Natl Med (Paris)** 1985 Jan;169(1):83–7 (Eng. Abstr.) **(Fre)**

[Residual angina following mammary artery bypass due to anomalous origin of the thyrocervical trunk] Goebel N, et al. **ROFO** 1985 May;142(5):578–9 **(Ger)**

[Evaluation of left ventricular function and coronary sinus blood flow during exercise after aortocoronary bypass surgery--influence of complete revascularization of the left coronary artery] Sakakibara T. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Mar;33(3):353–65 (Eng. Abstr.) **(Jpn)**

[A case of simultaneous carotid endarterectomy and coronary artery revascularization] Sugimura S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Apr;32(4):546–51 (Eng. Abstr.) **(Jpn)**

[Myocardial revascularization using mammary-coronary anastomosis. Critical analysis of immediate and late results] Leão LE, et al. **Arq Bras Cardiol** 1981 Oct;37(4):231–6 (Eng. Abstr.) **(Por)**

[Myocardial revascularization in syphilitic stenosis of the left coronary artery. A case report] Moraes CR, et al. **Arq Bras Cardiol** 1984 Apr;42(4):285–7 (Eng. Abstr.) **(Por)**

[Right internal mammary artery in retroaortic position for direct myocardial revascularization] Puig LB, et al. **Arq Bras Cardiol** 1984 May;42(5):319–23 (Eng. Abstr.) **(Por)**

[Use of the internal thoracic artery as a vascular graft in myocardial revascularization] Shabalkin BV, et al. **Grudn Khir** 1985 May-Jun;(3):18–21 (Eng. Abstr.) **(Rus)**

[Use of the internal mammary artery in myocardial revascularization surgery] Durán E, et al. **Rev Esp Cardiol** 1984 May-Jun;37(3):211–5 (Eng. Abstr.) **(Spa)**

[Short-term results on myocardial revascularization using internal mammary artery] Galiñanes M, et al. **Rev Esp Cardiol** 1985 May-Jun;38(3):209–12 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Percutaneous transluminal angioplasty of left internal mammary artery grafts. Kereiakes DJ, et al. **Am J Cardiol** 1985 Apr 15;55(9):1215–6

False aneurysm of the ascending aorta from an expanded polytetrafluoroethylene (Gore-Tex) aortopulmonary shunt. Evans VL, et al. **Ann Thorac Surg** 1985 Jun;39(6):573–5

Immediate functional recovery and avoidance of reperfusion injury with surgical revascularization of short-term coronary occlusion. Vinten-Johansen J, et al. **Circulation** 1985 Aug;72(2):431–9

Sternotomy infection after harvesting of the internal mammary artery. Nkongho A, et al. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 1):788–9

[Aseptic sterno-costo-clavicular osteonecrosis after coronary revascularization by the internal mammary artery (letter)] Gaucher A, et al. **Presse Med** 1985 Jun 22;14(25):1384–5 **(Fre)**

[Evaluation criteria in peroperative infarction during myocardial revascularization] Caretta Q, et al. **Boll Soc Ital Cardiol** 1984 Nov;29(11):493–501 (Eng. Abstr.) **(Ita)**

[Identification of the risk of supraventricular tachyarrhythmias in the postoperative period of coronary surgery] Durán E, et al. **Rev Esp Cardiol** 1984 Nov-Dec;37(6):440–4 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Internal mammary retractor. Beg RA, et al. **Ann Thorac Surg** 1985 Mar;39(3):286–7

Synchronized diastolic coronary venous retroperfusion: results of a preclinical safety and efficacy study. Drury JK, et al. **J Am Coll Cardiol** 1985 Aug;6(2):328–35

METHODS

Techniques to maximize mammary artery length. Cosgrove DM, et al. **Ann Thorac Surg** 1985 Jul;40(1):78–9

Noncoronary collateral blood flow [letter] Lajos TZ. **Ann Thorac Surg** 1985 Jul;40(1):99

A technique of anastomosis of the right internal mammary artery to the circumflex artery and its branches. Puig LB, et al. **Ann Thorac Surg** 1984 Nov;38(5):533–4

Synchronized coronary venous retroperfusion: prompt improvement of left ventricular function in experimental myocardial ischemia. Yamazaki S, et al. **J Am Coll Cardiol** 1985 Mar;5(3):655–63

The use of expanded polytetrafluoroethylene (PTFE) grafts for myocardial revascularization. Hehrlein FW, et al. **J Cardiovasc Surg (Torino)** 1984 Nov-Dec;25(6):549–53

Thermographic evaluation of myocardial cooling and intraoperative control of graft patency in patients with coronary artery disease. Pantaleo D, et al. **J Cardiovasc Surg (Torino)** 1984 Nov-Dec;25(6):554–9

Effect of venous retroperfusion on experimental myocardial ischemia in the open-chest pig. Carlson CJ, et al. **J Surg Res** 1985 Feb;38(2):105–12

Internal mammary artery-saphenous vein composite conduit [letter] Brodman R, et al. **J Thorac Cardiovasc Surg** 1984 Dec;88(6):1039–40

Multiple-vessel coronary revascularization with combined in situ and free sequential internal mammary arteries. Gold JP, et al. **J Thorac Cardiovasc Surg** 1985 Aug;90(2):301–3

Noncardioplegic myocardial preservation for coronary revascularization [letter] Guyton RA. **J Thorac Cardiovasc Surg** 1985 Jan;89(1):150–1

Sequential internal mammary artery grafts. Expanded utilization of an ideal conduit. Kamath ML, et al. **J Thorac Cardiovasc Surg** 1985 Feb;89(2):163–9

Multivessel coronary revascularization utilizing bilateral sequential internal mammary arteries [letter] Shapira N, et al. **J Thorac Cardiovasc Surg** 1984 Oct;88(4):639

Coronary sinus retroperfusion and pressure-controlled intermittent coronary sinus occlusion (PICSO) for myocardial protection. Mohl W, et al. **Surg Clin North Am** 1985 Jun;65(3):477–95 (58 ref.)

Sequential internal mammary artery (IMA) grafts in coronary artery bypass surgery. Harjola PT, et al. **Thorac Cardiovasc Surg** 1984 Oct;32(5):288–92

[Coronary bypass by internal mammary artery] Su YH. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep;12(3):169–70 **(Chi)**

[Isolated or combined myocardial revascularization in patients over 65 years of age] Kalonji T, et al. **Ann Cardiol Angeiol (Paris)** 1984 Oct;33(6):361–6 (Eng. Abstr.) **(Fre)**

[Surgical revascularization of myocardial infarction in the first 6 hours. Review of the recent literature] Glock Y. **Ann Chir** 1984 Oct;38(7):479–82 (Eng. Abstr.) **(Fre)**

[Emergency myocardial revascularization. Apropos of 30 cases] Villemot JP, et al. **Ann Chir** 1984 Oct;38(7):485–7 **(Fre)**

[Morphological bases of myocardial revascularization by laser radiation] Eliseenko VI, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):737–9 (Eng. Abstr.) **(Rus)**

[Treatment of heart failure by draining blood from the coronary sinus] Chilaia SM, et al. **Kardiologiia** 1984 Nov;24(11):103–7 (Eng. Abstr.) **(Rus)**

[Myocardial revascularization using a laser beam (experimental study)] Skobelkin OK, et al. **Khirurgiia (Mosk)** 1984 Oct;(10):99–102 **(Rus)**

MORTALITY

Primary myocardial revascularization. Trends in surgical mortality. Cosgrove DM, et al. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 1):673–84

MYOCARDIAL STIMULANTS see **CARDIOTONIC AGENTS**

MYOCARDIOPATHIES see **MYOCARDIAL DISEASES**

MYOCARDITIS

Myocarditis and cardiomyopathy. Kereiakes DJ, et al. **Am Heart J** 1984 Nov;108(5):1318–26 (113 ref.)

Clinical, bacteriological and immunological correlationship of rheumatic activity. Pruthi PK, et al. **Indian Heart J** 1984 Jul-Aug;36(4):235–40

BLOOD

[Features of postoperative immunosuppression according to the results of studies of the functional activity of peripheral blood monocytes of patients with acquired heart defects] Sinitsyn PD, et al. **Kardiologiia** 1984 Aug;24(8):78–81 (Eng. Abstr.) **(Rus)**

[Blood haptoglobin in patients with myocardial diseases] Chernikhovskaia LS, et al. **Lab Delo** 1985;(5):274–6 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Is there clinical evidence that lithium toxicity can induce myocarditis? Arana GW, et al. **J Clin Psychopharmacol** 1984 Dec;4(6):364–5

COMPLICATIONS

Myocarditis with transient left ventricular apical dyskinesis. Pasquini JA, et al. **Am Heart J** 1985 Feb;109(2):371–3

Myocarditis presenting with 'silent' atrium and left atrial thrombus. Wohlgelernter D, et al. **Am Heart J** 1984 Dec;108(6):1557–8

Pernicious anemia and giant cell myocarditis. New association. Kloin JE. **Am J Med** 1985 Feb;78(2):355–60

Inflammation and the onset of myocardial infarction. Spodick DH. **Ann Intern Med** 1985 May;102(5):699–702

Myocarditis confirmed by biopsy presenting as acute myocardial infarction. Costanzo-Nordin MR, et al. **Br Heart J** 1985 Jan;53(1):25–9

The relationship of myocarditis to dilated cardiomyopathy. MacArthur CG, et al. **Eur Heart J** 1984 Dec;5(12):1023–35

Active myocarditis in the spectrum of acute dilated cardiomyopathies. Clinical features, histologic correlates, and clinical outcome. Dec GW Jr, et al. **N Engl J Med** 1985 Apr 4;312(14):885–90

Acute myocardial infarction with normal coronary arteries--viral myopericarditis and possible coronary vasospasm. A case report. Diamond TH, et al. **S Afr Med J** 1985 Jun 1;67(22):892–4

Myocarditis and dilated (congestive) cardiomyopathy [letter] Przybojewski JZ. **S Afr Med J** 1985 Apr 6;67(14):529–31

[Possible relations between viral myocarditis and dilated cardiomyopathy (congestive)] Goodwin JF. **Recenti Prog Med** 1984 Sep;75(9):833–43 (40 ref.) (Eng. Abstr.) **(Ita)**

[Treatment of cardiogenic shock and medically refractory left ventricular failure in acute myocardial infarction and acute myocarditis by intraaortic balloon counterpulsation] Yoshikawa J, et al. **J Cardiogr** 1984;14 Suppl 3:93–7 (Eng. Abstr.) **(Jpn)**

[An autopsy case of mixed connective tissue disease associated with viral myocarditis] Kaneko S, et al. **Nippon Naika Gakkai Zasshi** 1984 Jul;73(7):1009–15 **(Jpn)**

[Clinico-morphological variants of myocardial hypertrophy in patients with ischemic heart disease and idiopathic myocarditis (problem of so-called secondary hypertrophic cardiomyopathy)] Saksonov SI, et al. **Ter Arkh** 1984;56(12):14–6 (Eng. Abstr.) **(Rus)**

[Gummy myocarditis associated with bacterial endocarditis and rupture of tendinous cords] Zúñiga Pérez-Lemaur M, et al. **Rev Clin Esp** 1984 Sep 30;174(6):257–9 **(Spa)**

DIAGNOSIS

Heart disease in myasthenia gravis. Hofstad H, et al. **Acta Neurol Scand** 1984 Sep;70(3):176–84

Shock and death in a 43-year-old woman [clinical conference] Sobel B, et al. **Am J Med** 1985 Aug;79(2):245–52

Recent developments in the diagnosis and treatment of myocarditis. Newton AS, et al. **Ariz Med** 1985 Jun;42(6):361–3

Cardiac involvement in coxsackie virus infection. Krishnan NR, et al. **Indian Heart J** 1985 Jan-Feb;37(1):13–7

Rheumatic carditis presenting as acute myocardial infarction. Suliman K, et al. **Isr J Med Sci** 1985 May;21(5):445–50

Lymphocytic myocarditis presenting as unexplained ventricular arrhythmias: diagnosis with endomyocardial biopsy and response to immunosuppression. Vignola PA, et al. **J Am Coll Cardiol** 1984 Oct;4(4):812–9

Reversible asymmetric septal hypertrophy in acute myocarditis. Serial findings of two-dimensional echocardiogram and thallium-201 scintigram. Kondo M, et al. **Jpn Circ J** 1985 Jun;49(6):589–93

Endomyocardial biopsy in the diagnosis of myocarditis [letter] Krainin FM. **N Engl J Med** 1985 Aug 15;313(7):452

The problem of viral heart disease. How often do we miss it? [editorial] Olsen EG. **Postgrad Med J** 1985 Jun;61(716):479–80

Myocardial infarction and the normal arteriogram--possible role of viral myocarditis. O'Neill D, et al. **Postgrad Med J** 1985 Jun;61(716):485–8

[A case of hypereosinophilic endomyocarditis with a benign clinical course: a case report and review of 25 cases with the syndrome in Japan] Ishide T, et al. **Kokyu To Junkan** 1985 Mar;33(3):473–7 (Eng. Abstr.) **(Jpn)**

[Diagnostic difficulties in a case of acute myocarditis] Adamiec R, et al. **Wiad Lek** 1984 Jun 15;37(12):933–6 (Eng. Abstr.) **(Pol)**

[Phase analysis of left ventricular systole in subjects given a diagnosis of primary rheumocarditis in childhood] Selivonenko VG, et al. **Klin Med (Mosk)** 1984 Nov; 62(11):81-4 (Eng. Abstr.) **(Rus)**

[Diagnosis and differential diagnosis of non-rheumatic myocarditis] Novikov IuI. **Revmatologiia (Moskva)** 1984 Oct-Dec;(4):56-65 **(Rus)**

[Myocarditis caused by Coxsackie B viruses in adults] Novikov IuI, et al. **Ter Arkh** 1984;56(11):37-43 (Eng. Abstr.) **(Rus)**

[Cardiomyopathies, nonspecific myocarditis and alcoholic heart lesions (data from the clinical study of 100 patients)] Sumarokov AV, et al. **Ter Arkh** 1984;56(9):75-81 (Eng. Abstr.) **(Rus)**

[Chronic non-rheumatic carditis in children and cardiomyopathies] Belokon' NA. **Vestn Akad Med Nauk SSSR** 1984;(10):43-8 (Eng. Abstr.) **(Rus)**

[Diphtheric myocarditis in children: diagnostic value of serum glutamic-oxaloacetic transaminase] Aguilar-Avila R, et al. **Bol Med Hosp Infant Mex** 1984 Aug;41(8):416-20 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Antimyocarditic activity of the guanine derivative BIOLF-70 in a coxsackievirus B3 murine model. Gauntt CJ, et al. **Antimicrob Agents Chemother** 1985 Feb; 27(2):184-91

Treatment choice in acute rheumatic carditis [letter] Etzioni A, et al. **Arch Dis Child** 1984 Dec;59(12):1198-9

Treatment of viral myocarditis with ribavirin in an animal preparation. Matsumori A, et al. **Circulation** 1985 Apr; 71(4):834-9

Immunosuppressive therapy in the management of biopsy proven acute myocarditis. Richardson PJ. **Herz** 1985 Feb; 10(1):36-43

Lack of objective improvement in ventricular systolic function in patients with myocarditis treated with azathioprine and prednisone. Hosenpud JD, et al. **J Am Coll Cardiol** 1985 Oct;6(4):797-801

The protective effect of carnitine in human diphtheric myocarditis. Ramos AC, et al. **Pediatr Res** 1984 Sep; 18(9):815-9

[Clinical observations on 36 cases of viral myocarditis treated with Epimedium grandiflorum Moor and vitamin C] Zhu SC. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Sep;4(9):523-4, 514 (Eng. Abstr.) **(Chi)**

[High-dose intravenous methylprednisolone (pulsotherapy): a possible therapeutic solution for active rheumatic fever with severe carditis] de Couto AA, et al. **Arq Bras Cardiol** 1984 Aug;43(2):97-101 (Eng. Abstr.) **(Por)**

[Pharmacological correction of disordered function of the myocardial contractile proteins] Shevchenko AI. **Farmakol Toksikol** 1984 Nov-Dec;47(6):43-6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Serum MB-creatine kinase is not elevated in active rheumatic carditis. Haffejee IE, et al. **J Trop Med Hyg** 1984 Oct; 87(5):215-8

ETIOLOGY

Fatal mumps myocarditis. Baandrup U, et al. **Acta Med Scand** 1984;216(3):331-3

Two-dimensional echocardiographic diagnosis of myocardial abscess complicating ventricular septal defect. Vargas-Barron J, et al. **Am Heart J** 1985 May;109(5 Pt 1):1109-10

Cryptococcal myocarditis in acquired immune deficiency syndrome. Lewis W, et al. **Am J Cardiol** 1985 Apr 15; 55(9):1240

Myocarditis and hepatitis B virus. Mahapatra RK, et al. **Angiology** 1985 Feb;36(2):116-9

Psittacosis [letter] Macdonald TM, et al. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):834

Autoimmune myocarditis induced by Trypanosoma cruzi. Acosta AM, et al. **Circulation** 1985 Jun;71(6):1255-61

Campylobacter jejuni myocarditis. Florkowski CM, et al. **Clin Cardiol** 1984 Oct;7(10):558-9

What is the role of myocardial mast cells? Estensen RD. **Hum Pathol** 1985 Jun;16(6):536-8 (20 ref.)

Acute rickettsial myocarditis and advanced atrioventricular block: diagnosis and treatment aided by endomyocardial biopsy. Salvi A, et al. **Int J Cardiol** 1985 Apr;7(4):405-9

Coxsackie--a viral carditis in eastern India. Sundar S, et al. **J Assoc Physicians India** 1984 Jun;32(6):501-3

Immunological defects precursors of myocarditis and dilated cardiomyopathy? Bolte HD. **J Mol Cell Cardiol** 1985 Jul; 17 Suppl 2:69-71

Myocarditis related to drug hypersensitivity. Taliercio CP, et al. **Mayo Clin Proc** 1985 Jul;60(7):463-8

Myocarditis and fulminant hepatic failure from coxsackievirus B infection. Read RB, et al. **Postgrad Med J** 1985 Aug;61(718):749-52

Lethal cardiac and cerebral toxoplasmosis in a patient with acute myeloid leukemia after successful allogeneic bone marrow transplantation. Jehn U, et al. **Transplantation** 1984 Oct;38(4):430-3

[Coxsackie B4 virus murine myocarditis] Wang HY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):300-2 (Eng. Abstr.) **(Chi)**

[Acute myocarditis. Cause of sudden death in connection with physical exertion] Johannessen AC, et al. **Ugeskr Laeger** 1984 Dec 31;147(1):26-7 (Eng. Abstr.) **(Dan)**

[Emboligenic abscess of the aortic ring disclosing gonococcal endocarditis. Value of echocardiography] Drui S, et al. **Ann Cardiol Angeiol (Paris)** 1985 Feb;34(2):89-92 (Eng. Abstr.) **(Fre)**

[Coxsackie B5 infection in a newborn infant. Meningoencephalitis and myocarditis] Lauras B, et al. **Pediatrie** 1984 Oct-Dec;39(7):561-5 (Eng. Abstr.) **(Fre)**

[Myocarditis: current etiopathogenetic and nosographic concepts] Sangiorgi M, et al. **Clin Ter** 1984 Oct 31; 111(2):105-26 (Eng. Abstr.) **(Ita)**

[Abdominal syndrome in erysipelas complicated by myocarditis] Taranenko AP, et al. **Klin Khir** 1985;(6):65 **(Rus)**

[Myocarditis in legionnaires' disease] Gutiérrez Rodero F, et al. **Med Clin (Barc)** 1985 May 18;84(19):784-6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immunologic behavior of lymphocytes in experimental viral myocarditis: significance of T lymphocytes in the severity of myocarditis and silent myocarditis in BALB/c-nu/nu mice. Kishimoto C, et al. **Circulation** 1985 Jun; 71(6):1247-54

Experimental myocarditis induced in Swiss mice by homologous heart immunization resembles chronic experimental Chagas' heart disease. Cossio PM, et al. **Clin Immunol Immunopathol** 1984 Nov;33(2):165-75

Immunopathogenesis of experimental Coxsackievirus induced myocarditis: role of autoimmunity. Huber SA, et al. **Herz** 1985 Feb;10(1):1-7

Immunological cellular regulator and effector mechanisms in myocarditis. Maisch B, et al. **Herz** 1985 Feb;10(1):8-14

Heart-specific autoantibodies following murine coxsackievirus B3 myocarditis. Wolfgram LJ, et al. **J Exp Med** 1985 May 1;161(5):1112-21

Reverse radioimmunoassays of IgM and IgG antibodies to Coxsackie B viruses in patients with acute myopericarditis. Frisk G, et al. **J Med Virol** 1984;14(3):191-200

Humoral immunity in experimental immune carditis. Anand IS, et al. **Pathology** 1984 Jul;16(3):291-9

[Characteristics of immunoregulatory lymphocyte subpopulations in patients with congestive cardiomyopathy and nonrheumatic myocarditis studied by monoclonal antibodies] Kipshidze NN, et al. **Ter Arkh** 1984;56(10):56-8 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of exercise and fasting on the myocardial protein and lipid metabolism in experimental bacterial myocarditis. Ilbäck NG, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jul; 92(4):195-204

[Function of the membrane lipids of the heart sarcoplasmic network in izadrin myocarditis studied by using a pyrene probe] Lyzlova LV, et al. **Biull Eksp Biol Med** 1985 Jun; 99(6):674-7 (Eng. Abstr.) **(Rus)**

[Phosphorylation of cardiac sarcolemma proteins in isadrine myocarditis] Antipenko AE, et al. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):15-8 (Eng. Abstr.) **(Rus)**

[Biosynthesis of nucleic acids and proteins in different time periods of development in experimental myocarditis] Paskevich IF, et al. **Vopr Med Khim** 1985 Jan-Feb; 31(1):93-6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cardiac injury in myocarditis induced by Coxsackievirus group B, type 3 in Balb/c mice is mediated by Lyt 2 + cytolytic lymphocytes. Guthrie M, et al. **Cell Immunol** 1984 Oct 15;88(2):558-67

Virus myocarditis: molecular hybridization allows the detection of virus-RNA in heart muscle after virus infection. Zähringer J, et al. **J Mol Cell Cardiol** 1985 Jan; 17(1):83-5

Characterization and myocarditic capabilities of coxsackievirus B3 variants in selected mouse strains. Gauntt CJ, et al. **J Virol** 1984 Nov;52(2):598-605

Coxsackievirus myocarditis--with special reference to acute and chronic effects. Reyes MP, et al. **Prog Cardiovasc Dis** 1985 May-Jun;27(6):373-94 (109 ref.)

OCCURRENCE

Isolated myocarditis in the first year. deSa DJ. **Arch Dis Child** 1985 May;60(5):484-5

Idiopathic 'myocarditis'? [letter] Uretsky BF. **J Am Coll Cardiol** 1984 Nov;4(5):1069

[Incidence of viral carditis in epidemic influenza] Feng XM. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep; 12(3):177-9 **(Chi)**

[The observation on infective endocarditis, myocarditis and pericarditis in infancy and childhood in Japan] Izumi Y. **Kansenshogaku Zasshi** 1984 May;58(5):400-7 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Immunohistochemical characterization of lymphocytes in uninflamed ventricular myocardium. Implications for myocarditis. Linder J, et al. **Arch Pathol Lab Med** 1985 Oct;109(10):917-20

Myocarditis in adult Still's disease. Bank I, et al. **Arthritis Rheum** 1985 Apr;28(4):452-4

Diagnosis and management of acute myocarditis aided by serial myocardial biopsy. Feneley MP, et al. **Aust NZ J Med** 1984 Dec;14(6):826-30

Clinical findings in acute viral myocarditis. With special attention to experimental and immunological evidence. Kishimoto C, et al. **Herz** 1985 Feb;10(1):15-20

The role of biopsy in the diagnosis of myocarditis. Olsen EG. **Herz** 1985 Feb;10(1):21-6

Coxsackievirus B3 murine myocarditis: wide pathologic spectrum in genetically defined inbred strains. Herskowitz A, et al. **Hum Pathol** 1985 Jul;16(7):671-3

Monoclonal antibody identification of mononuclear cells in endomyocardial biopsy specimens from a patient with rheumatic carditis. Marboe CC, et al. **Hum Pathol** 1985 Apr;16(4):332-8

Giant cell myocarditis: evidence for the macrophage origin of the giant cells. Theaker JM, et al. **J Clin Pathol** 1985 Feb;38(2):160-4

Tuberculous myocarditis: a report of two cases. Ratanarapee S, et al. **J Med Assoc Thai** 1985 Mar;68(3):155-9

Histopathological findings of acute and convalescent myocarditis obtained by serial endomyocardial biopsy. Yu ZX, et al. **Jpn Circ J** 1984 Dec;48(12):1368-74

[Histologically detectable myocarditis in patients with impaired left ventricular function] Regitz V, et al. **Herz** 1985 Feb;10(1):27-35 (Eng. Abstr.) **(Ger)**

[Biopsy and autopsy frequency of myocarditis] Kunkel B, et al. **Z Kardiol** 1985 Jul;74(7):360-8 (Eng. Abstr.) **(Ger)**

[Acute idiopathic myocarditis with rupture of the spleen] Kosaia NM, et al. **Klin Med (Mosk)** 1984 Nov;62(11):117-8 **(Rus)**

[Suppurative myocarditis with rupture of the myocardium] Derimedved' VD, et al. **Vrach Delo** 1984 Aug;(8):17-9 **(Rus)**

PHYSIOPATHOLOGY

A long-term follow-up study of acute myocarditis an electrocardiographic and echocardiographic study. Hayakawa M, et al. **Jpn Circ J** 1984 Dec;48(12):1362-7

Experimental coxsackie B3 virus myocarditis in golden hamsters. II. Evaluation of left ventricular function in intact in situ heart 14 months after inoculation. Morita H, et al. **Jpn Circ J** 1984 Oct;48(10):1097-106

PREVENTION & CONTROL

Ameliorating effect of IFN-beta and anti-IFN-beta on coxsackievirus B3-induced myocarditis in mice. Lutton CW, et al. **J Interferon Res** 1985 Winter;5(1):137-46

The protection of coenzyme Q10 against experimental viral myocarditis in mice. Kishimoto C, et al. **Jpn Circ J** 1984 Dec;48(12):1358-61

RADIONUCLIDE IMAGING

Lyme myocarditis diagnosed by gallium scan. Jacobs JC, et al. **J Pediatr** 1984 Dec;105(6):950-2

Radionuclide imaging for assessment of myocarditis and postmyocarditic state in infant and children. Thallium-201 myocardial imaging and technetium-99m-HSA gated equilibrium ventriculography. Saji T, et al. **Jpn Heart J** 1985 May;26(3):413-23

SURGERY

Emergency valve replacement during acute carditis--case reports. Hannun YA, et al. **Middle East J Anaesthesiol** 1984 Jun;7(5):363-71

THERAPY

[Components of the complement system and functional activity of neutrophils in the evaluation of the effectiveness of step-by-step sanatorium-health resort treatment of rheumatic and non-rheumatic tonsillogenic cardiac lesions in children] Vasil'eva VV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr; (2):40-3 (Eng. Abstr.) **(Rus)**

VETERINARY

Suspected parvovirus infection in porcupines. Frelier PF, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1291-4

Generalized parvovirus infection with inclusion-body myocarditis in two kittens. Bestetti G, et al. **J Comp Pathol** 1985 Jul;95(3):393-7

Parvoviral myocarditis in cyclophosphamide-treated chicks. Goryo M, et al. **Nippon Juigaku Zasshi** 1985 Jun; 47(3):527-30

Experimental viral myocarditis: parvoviral infection of neonatal pups. Meunier PC, et al. **Vet Pathol** 1984 Sep; 21(5):509-15

Experimental foot-and-mouth disease in fattening pigs, sows and piglets in relation to outbreaks in the field. Donaldson AI, et al. **Vet Rec** 1984 Nov 17;115(20):509-12

MYOCARDIUM

Coronary diastolic pressure-flow relation and zero flow pressure explained on the basis of intramyocardial compliance. Spaan JA. **Circ Res** 1985 Mar;56(3):293-309

EWARK PUBLIC LIBR

Enhancement of cardioplegic myocardial protection with calcium entry blockers. Guyton RA, et al. **J Med Assoc Ga** 1984 Oct;73(10):707–11

Evaluation of myocardial preservation using 31P NMR. Whitman GJ, et al. **J Surg Res** 1985 Feb;38(2):154–61

[Evolution of myocardial temperature following cardioplegia with or without epicardial cooling, thermal isolation of the heart, the 2 technics combined. Experimental study] Barra JA, et al. **Ann Chir** 1983 Mar;37(2):181–8 (Eng. Abstr.) **(Fre)**

[Dynamics and pathogenesis of ischemic contracture of the heart] Otverchenko VN, et al. **Kardiologiia** 1984 Aug; 24(8):100–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Effects of rhomotoxin on nutritional blood flow and content of cAMP in myocardium. Jia JF, et al. **Acta Acad Med Wuhan** 1984;4(3):191–2

Multi-score estimation of catecholamine fluorescence for clinical purposes. Kyösola K, et al. **Acta Histochem (Jena)** 1985;76(1):65–75

The role of actin-binding proteins vinculin, filamin, and fibronectin in intracellular and intercellular linkages in cardiac muscle. Koteliansky VE, et al. **Adv Myocardiol** 1985;5:215–21

Effects of platelet-activating factor on coronary hemodynamics and coronary venous plasma levels of TXB2, 6-keto-PGF1 alpha, and leukotriene C4 immunoreactivity in the intact domestic pig heart. Ezra D, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 13:19–21

Altered calcium concentration and rabbit atrial H1-receptors. Light KE, et al. **Agents Actions** 1984 Dec;15(5–6):509–12

An improved bioassay method for determining natriuretic activity of atrial extracts. Johnson MD. **Am J Physiol** 1985 Feb;248(2 Pt 2):F314–8

Quantification of choline and ethanolamine phospholipids in rabbit myocardium. Creer MH, et al. **Anal Biochem** 1985 Jan;144(1):65–74

Immunohistochemical localization of cardiodilatin in myoendocrine cells of the cardiac atria. Metz J, et al. **Anat Embryol (Berl)** 1984;170(2):123–7

Changes in fatty acid composition of the cardiac phospholipids of the cotton-eared marmoset (Callithrix jacchus) after feeding different lipid supplements. Charnock JS, et al. **Ann Nutr Metab** 1985;29(2):83–94

Age-dependent variations of diastolic stiffness and collagen content in rat ventricular myocardium. Cappelli V, et al. **Arch Int Physiol Biochim** 1984 Aug;92(2):93–106

Molecular forms of immunoactive atrial natriuretic peptide in the rat hypothalamus and atrium. Glembotski CC, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):671–8

Heart contains two substrates (Mr = 40,000 and 41,000) for pertussis toxin-catalyzed ADP-ribosylation that co-purify with Ns. Malbon CC, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):809–15

Rat atrial natriuretic factor: isolation, structure and biological activities of four major peptides. Misono KS, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):444–51

Cardiac substances that influence blood-pressure. II. Potent pressor activity in rat and rabbit atrial muscle. Nieuwenhuis JJ, et al. **Biochem Biophys Res Commun** 1985 Jun 14; 129(2):472–8

Cardiac substances that influence blood-pressure. I. Identification of the agent that lowers blood-pressure in anaesthetized rats. Nieuwenhuis JJ, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1074–81

Purification of the cardiac 1,4-dihydropyridine receptor/calcium channel complex. Rengasamy A, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):1–7

Atrial natriuretic factor in rat hypothalamus, atria and plasma: determination by specific radioimmunoassay. Tanaka I, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):663–8

Micro-analysis for coenzyme Q10 in endomyocardial biopsies of cardiac patients and data on bovine and canine hearts. Vadhanavikit S, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):1165–9

Comparison of the structure of two cardiac troponin T isoforms. Risnik VV, et al. **Biochem J** 1985 Jan 15; 225(2):549–52

Differences in lipid composition and fluidity of cardiac sarcolemma prepared from newborn and adult rabbits. Nagatomo T, et al. **Biochem Med** 1984 Aug;32(1):122–31

Distinctive responses of heart muscle and non-muscle cells to oxygen and glucose deprivation as regards phospholipid fatty acids. Freyss-Beguin M, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2560–3

Depletion of cardiac norepinephrine in rats and mice by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). Fuller RW, et al. **Biochem Pharmacol** 1984 Oct 1; 33(19):2957–60

Endogenous noradrenaline masks beta-adrenergic receptors in rat heart membranes via tight agonist binding. Nerme V, et al. **Biochem Pharmacol** 1985 Aug 15;34(16):2917–22

Somatostatin in the human heart and comparison with guinea pig and rat heart. Day SM, et al. **Br Heart J** 1985 Feb; 53(2):153–7

A new device for the efficient pulverisation and extraction of myocardial biopsies for high energy phosphate analysis. Speir EH, et al. **Cardiovasc Res** 1985 Jul;19(7):449–51

The auricular myocardiocytes of the heart constitute an endocrine organ. Characterization of a porcine cardiac peptide hormone, cardiodilatin-126. Forssmann WG, et al. **Cell Tissue Res** 1984;238(3):425–30

Diabetes-induced alterations in the translational activity of specific messenger ribonucleic acids isolated from rat hearts. Barrieux A, et al. **Circ Res** 1985 Aug;57(2):296–303

Fiber types and myosin types in human atrial and ventricular myocardium. An anatomical description. Bouvagnet P, et al. **Circ Res** 1984 Dec;55(6):794–804

[125I]Aminobenzyladenosine, a new radioligand with improved specific binding to adenosine receptors in heart. Linden J, et al. **Circ Res** 1985 Feb;56(2):279–84

Heterogeneity of myosin isozyme content of rabbit heart. Litten RZ, et al. **Circ Res** 1985 Sep;57(3):406–14

Vascular distribution of neuropeptide Y (NPY) and effect on blood pressure. Allen JM, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):1879–82

Human and rat atrial natriuretic polypeptides (hANP & rANP) purification, structure and biological activity. Matsuo H, et al. **Clin Exp Hypertens** [A] 1984; 6(10–11):1717–22

Enkephalins in the heart. Xiang JZ, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):1883–8

Isolation of genomic clones coding for the heavy chains of two human cardiac myosins. Catanzaro DF, et al. **Clin Exp Pharmacol Physiol** 1985 May–Jun;12(3):295–7

Myoglobin in the heart tissue of fishes lacking hemoglobin. Douglas EL, et al. **Comp Biochem Physiol [A]** 1985; 81(4):885–8

The distribution of ferritin subunit types in porcine tissues. Collawn JF Jr, et al. **Comp Biochem Physiol [B]** 1984; 78(3):653–6

Plasma, adrenal, and heart catecholamines in physically trained normal and diabetic rats. Jobidon C, et al. **Diabetes** 1985 Jun;34(6):532–5

Classification and characterization of cardiac isomyosins. Clark WA, et al. **Eur Heart J** 1984 Dec;5 Suppl F:69–75

Characterization and distribution of myosin variants in normal and pathological human hearts. Léger J, et al. **Eur Heart J** 1984 Dec;5 Suppl F:111–7

Isomyosins, microtubules and desmin during the onset of cardiac hypertrophy in the rat. Rappaport L, et al. **Eur Heart J** 1984 Dec;5 Suppl F:243–50

Myosin isoenzymes in human hypertrophic hearts. Shift in atrial myosin heavy chains and in ventricular myosin light chains. Schaub MC, et al. **Eur Heart J** 1984 Dec;5 Suppl F:85–93

Myosin changes in hypertrophied human atrial and ventricular myocardium. A correlated immunofluorescence and quantitative immunochemical study on serial cryosections. Schiaffino S, et al. **Eur Heart J** 1984 Dec; 5 Suppl F:95–102

Intermediate filament and associated proteins in the human heart: an immunofluorescence study of normal and pathological hearts. Thornell LE, et al. **Eur Heart J** 1984 Dec;5 Suppl F:231–41

Distribution of myosin isozymes in human atrial and ventricular myocardium: comparison in normal and overloaded heart. Yazaki Y, et al. **Eur Heart J** 1984 Dec; 5 Suppl F:103–10

Isolation of cardiac myosin light-chain isotypes by chromatofocusing. Comparison of human cardiac atrial light-chain 1 and foetal ventricular light-chain 1. Vincent ND, et al. **Eur J Biochem** 1985 Apr 1;148(1):135–43

Further characterization of cardiodigin, Na+, K+-ATPase inhibitor extracted from mammalian tissues. Fagoo M, et al. **FEBS Lett** 1985 May 6;184(1):150–4

Protein kinase activity of the insulin receptor from muscle. Häring HU, et al. **FEBS Lett** 1984 Oct 15;176(1):229–34

Purification of a 175-kDa membrane protein, its localization in smooth and cardiac muscles. Interaction with cytoskeletal protein - vinculin. Koteliansky VE, et al. **FEBS Lett** 1985 Mar 11;182(1):67–72

Sympathetic activity and cardiac adrenergic receptors in one-kidney, one clip hypertension in rats. Vlachakis ND, et al. **Hypertension** 1984 Sep–Oct;6(5):654–9

Two different preparations of subfragment-1 from chicken skeletal myosin and from porcine cardiac myosin. Nakata S, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):965–8

Antimycin-resistant alternate electron pathway to plastocyanin in bovine-heart complex III. Tripathy BC, et al. **J Bioenerg Biomembr** 1985 Jun;17(3):141–50

The myosin alkali light chains of mouse ventricular and slow skeletal muscle are indistinguishable and are encoded by the same gene. Barton PJ, et al. **J Biol Chem** 1985 Jul 15; 260(14):8578–84

Chlorotetracycline fluorescence is a quantitative measure of the free internal Ca2+ concentration achieved by active transport. In situ calibration and application to bovine cardiac sarcolemmal vesicles. Dixon D, et al. **J Biol Chem** 1984 Nov 25;259(22):13737–41

Purification and characterization of phospholamban from canine cardiac sarcoplasmic reticulum. Inui M, et al. **J Biol Chem** 1985 Mar 25;260(6):3708–15

The Mr 28,000 gap junction proteins from rat heart and liver are different but related. Nicholson BJ, et al. **J Biol Chem** 1985 Jun 10;260(11):6514–7

Isolation and characterization of the chicken cardiac myosin light chain (L-2A) gene. Evidence for two additional N-terminal amino acids. Winter B, et al. **J Biol Chem** 1985 Apr 10;260(7):4478–83

Antiarrhythmic effect of reducing myocardial noradrenaline stores with alpha-methyl-meta-tyrosine. Abrahamsson T, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S81–5

Embryonic chicken skeletal, cardiac, and smooth muscles express a common embryo-specific myosin light chain. Takano-Ohmuro H, et al. **J Cell Biol** 1985 Jun; 100(6):2025–30

Methodology for purification of large hydrophobic peptides by high-performance liquid chromatography. Grandier-Vazeille X, et al. **J Chromatogr** 1984 Jul 27; 296:301–8

High-performance liquid chromatographic method for the simultaneous determination of myocardial creatine phosphate and adenosine nucleotides [letter] Harmsen E, et al. **J Chromatogr** 1985 Jan 11;337(1):201–3

Assay of lipids in dog myocardium using capillary gas chromatography and derivatization with boron trifluoride and methanol. Al Makdessi S, et al. **J Chromatogr** 1985 Apr 12;339(1):25–34

Accumulation and localization of troponin-T in developing hearts of Ambystoma mexicanum. Fuldner RA, et al. **J Embryol Exp Morphol** 1984 Dec;84:1–17

Localization of immunoreactive synthetic atrial natriuretic factor (ANF) in the heart of various animal species. Chapeau C, et al. **J Histochem Cytochem** 1985 Jun; 33(6):541–50

Immunocytochemical localization of atrial natriuretic factor in the kidney, adrenal medulla, pituitary, and atrium of rat. McKenzie JC, et al. **J Histochem Cytochem** 1985 Aug; 33(8):828–32

Quantitative analysis of postmortem changes in myocardial norepinephrine using HPLC with electrochemical detection. Pierpont GL, et al. **J Lab Clin Med** 1984 Nov; 104(5):678–84

Rapid separation and quantification of lipid classes by high performance liquid chromatography and mass (light-scattering) detection. Christie WW. **J Lipid Res** 1985 Apr;26(4):507–12

Isolation and purification of cardiolipin from beef heart. Smaal EB, et al. **J Lipid Res** 1985 May;26(5):634–7

Cholinergic supersensitivity and decreased number of muscarinic receptors in atria from short-term diabetic rats. Carrier GO, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):963–5

Isolation and characterization of beta 1-adrenergic receptors from adult, rat cardiac myocytes. Im JH, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):867–73

Cytochemical studies of a glycogen-sarcoplasmic reticulum complex. Goldstein MA, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):177–87

An analysis of peripheral neuronal survival factors present in muscle. Bonyhady RE, et al. **J Neurosci Res** 1985; 13(3):357–67

Characterization of [3H]leukotriene D4 binding sites in guinea-pig ventricular myocardium. Hogaboom GK, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):686–93

ATP-dependent activation of glucocorticoid-receptor complexes from the rat's heart. Kôrge P. **J Steroid Biochem** 1984 Nov;21(5):523–7

Analysis of structural proteins from biopsied human myocardium with special emphasis on methodology. Katagiri T, et al. **Jpn Heart J** 1984 Sep;25(5):733–43

Atrial natriuretic factor: isolation, identification, biological and pharmacological actions. Genest J, et al. **Klin Wochenschr** 1985;63 Suppl 3:97–101

Localization of alpha-1 acid glycoproteins in human myocardium. Siegel RJ, et al. **Lab Invest** 1985 Jan; 52(1):107–12

Rapid and convenient separation of phospholipids and non phosphorus lipids from rat heart using silica cartridges. Juaneda P, et al. **Lipids** 1985 Jan;20(1):40–1

Quantitating heart lipids: comparison of results obtained using the Iatroscan method with those from phosphorus and gas chromatographic techniques. Kramer JK, et al. **Lipids** 1985 Aug;20(8):536–41

Alterations in cardiac composition with weight reduction in the obese rat. Crandall DL, et al. **Metabolism** 1985 May; 34(5):405–7

Characterization of guinea pig myocardial leukotriene C4 binding sites. Regulation by cations and sulfhydryl-directed reagents. Hogaboom GK, et al. **Mol Pharmacol** 1985 Feb; 27(2):236–45

Aequorin measurements of free calcium in single heart cells. Cobbold PH, et al. **Nature** 1984 Nov 29–Dec 5; 312(5993):444–6

Autoradiographic localization of 'peripheral-type' benzodiazepine binding sites in the rat brain, heart and kidney. Gehlert DR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):454–60

Demonstration of Ri-type adenosine receptors in bovine myocardium by radioligand binding. Lohse MJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):310–6

Proenkephalin- and prodynorphin- derived opioid peptides in guinea-pig heart. Weihe E, et al. **Neuropeptides** 1985 Feb;5(4–6):453–6

Muscarinic acetylcholine receptors in chick heart: influence of heat and N-ethylmaleimide on receptor conformations and interactions with guanine nucleotide-dependent regulatory proteins. Aronstam RS, et al. **Neurosci Lett** 1985 Mar 15;54(2–3):289–94

Free calcium in sheep cardiac tissue and frog skeletal muscle measured with Ca2+-selective microelectrodes. Weingart R, et al. **Pflugers Arch** 1984 Sep;402(1):1-9

Identification and partial purification of the cardiac sodium-calcium exchange protein. Hale CC, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6569-73

Muscarinic cholinergic receptor in the human heart evidenced under physiological conditions by positron emission tomography. Syrota A, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):584-8

Effects of atrial extract on blood pressure and urinary excretion of electrolytes and prostaglandin E2 in rats. Ishii M, et al. **Prostaglandins Leukotrienes Med** 1984 Dec; 16(3):325-32

Effects of verapamil and taurine administration on heart taurine and calcium in BIO 14.6 cardiomyopathic hamsters. Welty JD, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jul;49(1):141-4

Evaluation of heart isoferritins in serum using specific monoclonal antibodies. Cavanna F, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):337-40

The influence of different cryopreparations on the distribution of ions in bullfrog myocard cells. Meyer R, et al. **Scan Electron Microsc** 1985;(Pt 1):419-31

[Effect of Viscum coloratum (Kom) Nakai on changes in the cyclic nucleotides in ischemic myocardium] Zhu SH. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Sep;4(9):548-51, 516 (Eng. Abstr.) **(Chi)**

[Characterization of total RNA, messenger poly(A)+ RNA and homologous complementary DNA in experimental cardiac hypertrophy] Moalic JM, et al. **Arch Mal Coeur** 1984 Oct;77(11):1155-7 (Eng. Abstr.) **(Fre)**

[Influence of maltitol on lipid metabolism: fatty acid composition of the heart and brain of the rat] Barzanti V, et al. **Boll Soc Ital Biol Sper** 1984 Nov 30;60(11):2091-7 (Eng. Abstr.) **(Ita)**

[Concentrations of cefotaxime in serum and myocardial tissue] Shio K, et al. **Jpn J Antibiot** 1984 Jun;37(6):1035-9 (Eng. Abstr.) **(Jpn)**

[Effects of isoproterenol, triiodothyronine and thiouracil on rat myocardial beta receptors] Ogawa K, et al. **Kokyu To Junkan** 1984 Nov;32(11):1135-7 **(Jpn)**

[The experimental studies of the myocardial protection during the aortic clamp from the DNA kinetics] Koyama N. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Nov; 32(11):1910-8 (Eng. Abstr.) **(Jpn)**

[Preliminary studies of the adrenergic receptors in the human right atrium] Vetulani J, et al. **Kardiol Pol** 1984; 27(6):507-14 **(Pol)**

[Isolation of diphosphatidylglycerol, phosphatidylethanolamine and phosphatidylcholine from the bull heart] Kostetskiĭ EIa, et al. **Bioorg Khim** 1985 Mar; 11(3):403-7 (Eng. Abstr.) **(Rus)**

[Postmortem diagnosis of ventricular fibrillation in acute coronary insufficiency] Aleksandri AL, et al. **Kardiologiia** 1984 Dec;24(12):62-5 (Eng. Abstr.) **(Rus)**

[Prostaglandin and cyclic nucleotide content of the ventricular myocardium in noradrenaline damage to the heart] Serov RA, et al. **Kardiologiia** 1985 Feb;25(2):86-90 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Human heart muscle contains keratin-like material in intercalated discs. Huitfeldt H, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Nov; 92(6):481-2

Influence of explantation procedure on the electrical and morphological properties of cultured neonatal rat ventricle cells. Fermini B, et al. **Adv Myocardiol** 1985;6:25-36

Isolation and properties of cardiac and other mast cells from the rat and guinea-pig. Ali H, et al. **Agents Actions** 1985 Apr;16(3-4):138-40

A new method for preparation of isolated single adult myocytes. Bkaily G, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H1018-26

Frequency modulation and synchronization of spontaneous oscillations in cardiac cells. Capogrossi MC, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H412-8

Passive membrane properties of isolated feline ventricular myocytes. Houser SR, et al. **Am J Physiol** 1985 May;248(5 Pt 2):H622-30

Geometry of cell and bundle appositions in cardiac muscle: light microscopy. Sommer JR, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H792-803

Immunohistochemical characterization of lymphocytes in uninflamed ventricular myocardium. Implications for myocarditis. Linder J, et al. **Arch Pathol Lab Med** 1985 Oct;109(10):917-20

Adult heart muscle cells. Isolation, properties and applications. International Erwin Riesch Symposium, March 22-25, 1984. **Basic Res Cardiol** 1985;80 Suppl 1:1-166

Non-invasive measurements of cell surface receptors. Bailey IA, et al. **Basic Res Cardiol** 1985;80 Suppl 1:43-6

Guinea-pig atrial cardioballs. Bechem M, et al. **Basic Res Cardiol** 1985;80 Suppl 1:19-22

Evidence for Ca-mediated inactivation of ICa in dialysed guinea-pig atrial cardioballs. Bechem M, et al. **Basic Res Cardiol** 1985;80 Suppl 1:101-5

Ca-tolerant guinea-pig ventricular myocytes as isolated by pronase in the presence of 250 microM free calcium. Bendukidze Z, et al. **Basic Res Cardiol** 1985;80 Suppl 1:13-7

Sarcolemma-bound calcium. Its importance for cell viability. Borgers M, et al. **Basic Res Cardiol** 1985;80 Suppl 1:30-5

Determination of isolated myocyte viability: staining methods and functional criteria. Cheung JY, et al. **Basic Res Cardiol** 1985;80 Suppl 1:23-9

Anoxia influences the lateral diffusion of a lipid probe in the plasma membrane of isolated cardiac myocytes. Finch SA, et al. **Basic Res Cardiol** 1985;80 Suppl 1:149-52

The two components in the shortening of unloaded ventricular myocytes: their voltage dependence. Isenberg G, et al. **Basic Res Cardiol** 1985;80 Suppl 1:117-21

Long-term primary cultures of adult human and rat cardiomyocytes. Jacobson SL, et al. **Basic Res Cardiol** 1985; 80 Suppl 1:79-82

Characteristics of lactate transfer in isolated cardiac myocytes. Kammermeier H, et al. **Basic Res Cardiol** 1985; 80 Suppl 1:57-60

Simultaneous measurements of action potentials and contractions in single cultured adult and embryonic heart muscle cells. Koidl B, et al. **Basic Res Cardiol** 1985;80 Suppl 1:111-5

Adhesion of cardiac myocytes to extracellular matrix components. Lundgren E, et al. **Basic Res Cardiol** 1985;80 Suppl 1:69-74

The correlation between catecholamine and lipid peroxidation induced damage in heart cells. Noronha-Dutra AA, et al. **Basic Res Cardiol** 1985;80 Suppl 1:133-6

Cardiac membrane currents and energetic state. Osterrieder W, et al. **Basic Res Cardiol** 1985;80 Suppl 1:107-10

Temperature dependence of verapamil action. Piper HM, et al. **Basic Res Cardiol** 1985;80 Suppl 1:123-7

Anoxic injury of adult cardiac myocytes. Piper HM, et al. **Basic Res Cardiol** 1985;80 Suppl 1:37-41

Isolated adult heart cells. The development of a new experimental model. Powell T. **Basic Res Cardiol** 1985;80 Suppl 1:9-12

Electrophysiological properties of isolated ventricular myocytes. Powell T. **Basic Res Cardiol** 1985;80 Suppl 1:87-91

Microtubules and desmin filaments during the onset of heart growth in the rat. Rappaport L, et al. **Basic Res Cardiol** 1985;80 Suppl 1:129-32

Development of new intercellular contacts between adult cardiac myocytes in culture. Schwartz P, et al. **Basic Res Cardiol** 1985;80 Suppl 1:75-8

Substrate utilization of adult cardiac myocytes. Spahr R, et al. **Basic Res Cardiol** 1985;80 Suppl 1:53-6

Morphological dedifferentiation of adult cardiac myocytes in coculture with hepatocytes. Spahr R, et al. **Basic Res Cardiol** 1985;80 Suppl 1:83-6

Measurements of single-channel currents in the membrane of isolated cells: ATP-dependence of K+-channels. Trube G. **Basic Res Cardiol** 1985;80 Suppl 1:97-9

The effect of cyanide on the K-current in guinea-pig ventricular myocytes. Van der Heyden G, et al. **Basic Res Cardiol** 1985;80 Suppl 1:93-6

Anoxia in neonatal rat heart cell cultures. Van der Laarse A, et al. **Basic Res Cardiol** 1985;80 Suppl 1:137-42

Adrenergic receptor characteristics of cardiac myocytes cultured in serum-free medium: comparison with serum-supplemented medium. Karliner JS, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):376-82

Formation of myofibrils in spreading chick cardiac myocytes. Sanger JW, et al. **Cell Motil** 1984;4(6):405-16

Morphometric analysis of the isolated calcium-tolerant cardiac myocyte. Organelle volumes, sarcomere length, plasma membrane surface folds, and intramembrane particle density and distribution. Severs NJ, et al. **Cell Tissue Res** 1985;240(1):159-68

Interactions of mammalian cells with collagen. Rubin K, et al. **Ciba Found Symp** 1984;108:93-116

Modulation of canine myocardial sarcolemmal membrane fluidity by amphiphilic compounds. Fink KL, et al. **Circ Res** 1984 Nov;55(5):585-94

Sodium-sensitive calcium binding to sarcolemma-enriched preparations from canine ventricle. Frankis MB, et al. **Circ Res** 1984 Nov;55(5):676-88

Kinetics of thallium exchange in cultured rat myocardial cells. McCall D, et al. **Circ Res** 1985 Mar;56(3):370-6

Measurement of cytosolic free calcium concentration in isolated rat ventricular myocytes with quin 2. Sheu SS, et al. **Circ Res** 1984 Dec;55(6):830-4

Direct observation of the 'oxygen paradox' in single rat ventricular myocytes. Stern MD, et al. **Circ Res** 1985 Jun; 56(6):899-903

Effect of serial brief ischemic episodes on extracellular K+, pH, and activation in the pig. Fleet WF, et al. **Circulation** 1985 Oct;72(4):922-32

Hyaluronidase activity in embryonic chick heart muscle and cushion tissue and cells. Bernanke DH, et al. **Dev Biol** 1984 Dec;106(2):351-9

Influence of rat serum on cultured newborn rat heart cell inotropism. Vernimmen C, et al. **Dev Pharmacol Ther** 1984; 7 Suppl 1:201-5

Morphological integrity of single adult cardiac myocytes isolated by collagenase treatment: immunolocalization of tubulin, microtubule-associated proteins 1 and 2, plectin, vimentin, and vinculin. Zernig G, et al. **Eur J Cell Biol** 1985 Jul;38(1):113-22

Cardiomyocytes cultured in serum-free medium. Growth and creatine kinase activity. Kessler-Icekson G, et al. **Exp Cell Res** 1984 Nov;155(1):113-20

Extracellular matrix components influence the survival of adult cardiac myocytes in vitro. Lundgren E, et al. **Exp Cell Res** 1985 Jun;158(2):371-81

Cell injury of cultured rat myocardial cells after reoxygenation of hypoxic cultures in the presence and absence of calcium. Acosta D, et al. **In Vitro** 1984 Aug; 20(8):642-6

Isolation and culture of the terminally differentiated adult mammalian ventricular cardiac muscle cell. Claycomb WC, et al. **In Vitro** 1984 Aug;20(8):647-51

Histamine and human heart. Triggiani M, et al. **Int Arch Allergy Appl Immunol** 1985;77(1-2):174-6

Cellular electrophysiology of digitalis toxicity. Rosen MR. **J Am Coll Cardiol** 1985 May;5(5 Suppl A):22A-34A (95 ref.)

Oxygen pressure gradients in isolated cardiac myocytes. Wittenberg BA, et al. **J Biol Chem** 1985 Jun 10; 260(11):6548-54

Effects of Na+ on the muscarinic cholinergic receptor of rat ventricular myocytes. Buxton IL, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):476-81

The relationship between stress fiber-like structures and nascent myofibrils in cultured cardiac myocytes. Dlugosz AA, et al. **J Cell Biol** 1984 Dec;99(6):2268-78

Identical distribution of fluorescently labeled brain and muscle actins in living cardiac fibroblasts and myocytes. McKenna N, et al. **J Cell Biol** 1985 Jan;100(1):292-6

A role for fibronectin in cell sorting. Armstrong PB, et al. **J Cell Sci** 1984 Jul;69:179-97

Mitotic-cyclic and cycle-independent growth of cardiomyocytes. Brodsky WY, et al. **J Mol Cell Cardiol** 1985 May;17(5):445-55

Long-term culture of contractile mammalian heart cells in a defined serum-free medium that limits non-muscle cell proliferation. Libby P. **J Mol Cell Cardiol** 1984 Sep; 16(9):803-11

Effects of grisorixin on the distribution of thallium-201 and on the oxidative metabolism in cultured myocardial cells. Maublant JC, et al. **J Nucl Med** 1985 Jun;26(6):626-9

The passive electrical properties of spheroidal aggregates cultured from neonatal rat heart cells. De Bruijne J, et al. **J Physiol (Lond)** 1984 Oct;355:281-93

Membrane currents and their modification by acetylcholine in isolated single atrial cells of the guinea-pig. Iijima T, et al. **J Physiol (Lond)** 1985 Feb;359:485-501

Inactivation of calcium channels in mammalian heart cells: joint dependence on membrane potential and intracellular calcium. Lee KS, et al. **J Physiol (Lond)** 1985 Jul; 364:395-411

Influence of a change in stimulation rate on action potentials, currents and contractions in rat ventricular cells. Mitchell MR, et al. **J Physiol (Lond)** 1985 Jul;364:113-30

Glucocorticoid effects on newly synthesized proteins in muscle and non-muscle cells cultured from neonatal rat hearts. Nichols NR, et al. **J Steroid Biochem** 1984 Nov; 21(5):487-96

Granular dissolution of mast cells and histamine release by compound 48/80 in the isolated guinea-pig heart. Gomes JC, et al. **J Submicrosc Cytol** 1984 Oct;16(4):659-64

Studies on hawthorn and its active principle. II. Effects on cultured rat heart cells deprived of oxygen and glucose. Li LD, et al. **J Tradit Chin Med** 1984 Dec;4(4):289-92

Anisotropic conduction properties of canine ventricular muscles. Influence of high extracellular K+ concentration and stimulation frequency. Tsuboi N, et al. **Jpn Circ J** 1985 May;49(5):487-98

Adult rat heart cell culture. The morphological study of tissue fragments on various environments in culture. Yamana K, et al. **Jpn Heart J** 1985 Jan;26(1):81-9

Long-term survival of cultured adult rat heart cells. Yamana K. **Jpn Heart J** 1985 May;26(3):463-8

Effects of amiloride on calcium uptake by myocytes isolated from adult rat hearts. Altschuld RA, et al. **Life Sci** 1984 Aug 20;35(8):865-70

Age-dependent structural changes in the myocardium of rats. A quantitative light- and electron-microscopic study on the right and left chamber wall. Frenzel H, et al. **Mech Ageing Dev** 1984 Sep;27(1):29-41

Nathan Pritikin's heart [letter] Hubbard JD, et al. **N Engl J Med** 1985 Jul 4;313(1):52

Postnatal development of myocardial cells after oxygen deficiency in utero. David H, et al. **Pathol Res Pract** 1985 Jan;179(3):370-6

Heparin-treated, v-myc-transformed chicken heart mesenchymal cells assume a normal morphology but are hypersensitive to epidermal growth factor (EGF) and brain fibroblast growth factor (bFGF); cells transformed by the v-Ha-ras oncogene are refractory to EGF and bFGF but are hypersensitive to insulin-like growth factors. Balk SD, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5781-5

Phorbol 12-myristate 13-acetate, ionomycin or ouabain, and raised extracellular magnesium induce proliferation of chicken heart mesenchymal cells. Balk SD, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6418-21

Immunohistochemical localization of 6-keto-PGF1-alpha in canine coronary vasculature. Harold JG, et al. **Prostaglandins** 1985 Jan;29(1):19-23

Endothelial cell rounding associated with long-term implantations of left ventricular assist devices. Wechezak AR, et al. **Scan Electron Microsc** 1984;(Pt 3):1353-60

Acquisition by innervated cardiac myocytes of a pertussis toxin-specific regulatory protein linked to the alpha

1-receptor. Steinberg SF, et al. **Science** 1985 Oct 11; 230(4722):186-8

A simple method for the preparation of permanent slides from cell cultures. Wasserman L, et al. **Stain Technol** 1984 Nov; 59(6):353-4

Mitoses and binucleated cells in perinatal human hearts. Schmid G, et al. **Virchows Arch [Cell Pathol]** 1985; 48(1):59-67

[Intercellular connection and communication in cardiac muscle] Yu CG. **Sheng Li Ko Hsueh Chin Chan** 1985 Apr; 16(2):164-7 **(Chi)**

[Differential action of 7 beta-hydroxycholesterol on myocardial cells and fibroblasts. Obtaining primary cultures of pure myocardial cells] Mersel M, et al. **C R Acad Sci [III]** 1984;299(7):221-5 (Eng. Abstr.) **(Fre)**

[Lipofuscin in cardiac myocytes of mice treated with oxamniquine] Mello ML, et al. **Rev Inst Med Trop Sao Paulo** 1984 Sep-Oct;26(5):241-2 (Eng. Abstr.) **(Por)**

[Method for isolating single cardiac cells in the guinea pig using pronase. The role of calcium ions] Bendukidze ZA, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):762-4 (Eng. Abstr.) **(Rus)**

[Mitotic activity of myocardial muscle cells in mammals in the early postnatal period] Holzerová J, et al. **Bratisl Lek Listy** 1985 Feb;83(2):179-93 (96 ref.) (Eng. Abstr.) **(Slo)**

[The auricular tissue specialized for conduction: its importance in physiology and antiarrhythmic pharmacotherapy] Pastelin G, et al. **Gac Med Mex** 1984 Nov-Dec;120(11-12):371-85 **(Spa)**

ENZYMOLOGY

Comparison of ATPase activity of cardiac myosins from different species. Nosztray K, et al. **Acta Biol Hung** 1983; 34(4):351-5

Alterations in isoproterenol-induced cardiac metabolic changes by a quaternary analog of propranolol, UM-272. Seth SD, et al. **Acta Cardiol (Brux)** 1985;40(2):237-46

Differing potencies and dose-response characteristics in the ability of slow-calcium-channel blockers to reduce enzyme leakage in the calcium paradox. Baker JE, et al. **Adv Myocardiol** 1985;6:637-46

Monocarboxylate-uptake kinetics in perfused rat heart. Dennis SC, et al. **Adv Myocardiol** 1985;6:259-72

Evidence for three catalytic sites in heart sarcolemmal phospholipid N-methylation. Ganguly PK, et al. **Adv Myocardiol** 1985;6:157-64

Characterization of calmodulin-dependent and cyclic-AMP-dependent protein kinase stimulation of cardiac sarcoplasmic reticulum calcium transport. Katz S, et al. **Adv Myocardiol** 1985;6:233-47

A phosphorus-31 nuclear magnetic resonance study of effects of altered thyroid state on cardiac bioenergetics. Keogh JM, et al. **Adv Myocardiol** 1985;6:299-309

Regulation of rates of lipolysis in isolated myocardial cells from rat heart. Kryski A Jr, et al. **Adv Myocardiol** 1985; 6:195-204

Adenosine formation. Evidence for a direct biochemical link with energy metabolism. Newby AC, et al. **Adv Myocardiol** 1985;6:273-84

Characterization of a partially purified Na+,K+-ATPase from dog heart. Sulakhe PV, et al. **Adv Myocardiol** 1985; 6:249-57

Methyl palmoxirate increases Ca2+-myosin ATPase activity and changes myosin isoenzyme distribution in the diabetic rat heart. Dillmann WH. **Am J Physiol** 1985 May;248(5 Pt 1):E602-6

Inhibition of myocardial rotenone-insensitive NADH cytochrome c reductase by amphiphilic compounds. Kennett FF, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H889-94

Corticosterone and triiodothyronine control of myocardial Na+-K+-ATPase activity in rats. Klein LE, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):H570-5

Adenosine inhibition of catecholamine-stimulated cardiac membrane adenylate cyclase. LaMonica DA, et al. **Am J Physiol** 1985 May;248(5 Pt 2):H737-44

Comparison of subunits of cardiac, brain, and kidney Na+-K+-ATPase. McDonough A, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C247-51

Effects of palmitoyl carnitine and LPC on cardiac sarcolemmal Na+-K+-ATPase. Pitts BJ, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H840-6

Kinetic studies of the Na+-K+-ATPase enzyme system in brain and heart of aging rats. Poole LB, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R850-5

Transport and proteolytic processing of rabbit cardiac cathepsin D. Samarel AM, et al. **Am J Physiol** 1985 Jan; 248(1 Pt 1):C135-44

Myocyte and nonmyocyte RNA polymerase activity and chromatin template function. Taylor PB, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H344-50

Purification of bovine heart glycogen synthase. Dickey-Dunkirk S, et al. **Anal Biochem** 1985 Apr; 146(1):199-205

Succinate dehydrogenase activity in relation with cardiac morphology in rats fed low erucic acid rapeseed oil. Grynberg A, et al. **Arch Anat Microsc Morphol Exp** 1984; 73(4):231-8

The aggregation state of bovine heart cytochrome c oxidase and its kinetics in monomeric and dimeric form. Bolli R, et al. **Arch Biochem Biophys** 1985 Jul;240(1):102-16

A major phosphotyrosyl-protein phosphatase from bovine heart is associated with a low-molecular-weight acid phosphatase. Chernoff J, et al. **Arch Biochem Biophys** 1985 Jul;240(1):135-45

Identification and partial characterization of bovine heart cytosolic phosphorylase phosphatases. Dickey-Dunkirk S, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):232-42

Inhibition and activation of bovine heart NAD-specific isocitrate dehydrogenase by ATP. Gabriel JL, et al. **Arch Biochem Biophys** 1985 Jul;240(1):128-34

Measurement of myosin adenosinetriphosphatase and myosin content in cultured heart cells. McDermott P, et al. **Arch Biochem Biophys** 1985 Jul;240(1):312-8

Immunoelectrophoretic characterization of the ADP/ATP carrier from heart, kidney, and liver. Schultheiss HP, et al. **Arch Biochem Biophys** 1985 May 15;239(1):273-9

Binding of digitalis derivatives to beef, cat and human cardiac (Na+ + K+)-ATPase. Affinity and kinetic constants. Brown L, et al. **Arch Int Pharmacodyn Ther** 1984 Oct; 271(2):229-40

Effect of nifedipine treatment on cardiac myosin ATPase activity and responsiveness of cardiovascular system in the dog. Higuchi M, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):238-47

Comparison of the affinity of human, beef and cat heart (Na+ + K+)-ATPase for different digitalis derivatives. Brown L, et al. **Arzneimittelforsch** 1984;34(10):1314-8

Changes in cardiac glycogen synthase and phosphorylase activities following stimulation of beta-adrenergic receptors in rats. Grably S, et al. **Basic Res Cardiol** 1985 Mar-Apr;80(2):175-81

Enzyme release and glycolytic energy production. Piper HM, et al. **Basic Res Cardiol** 1985;80 Suppl 1:143-7

The influence of endurance training on mechanical catecholamine responsiveness, beta-adrenoceptor density and myosin isoenzyme pattern of rat ventricular myocardium. Takeda N, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):88-99

Biochemical and morphological study of cardiac hypertrophy. Effects of thyroxine on enzyme activities in the rat myocardium. Tanaka T, et al. **Basic Res Cardiol** 1985 Mar-Apr;80(2):165-74

Ca overload and the action of calcium sensitive proteases, phospholipases and prostaglandin E2 in myocardial cell degradation. Toyo-oka T, et al. **Basic Res Cardiol** 1985 May-Jun;80(3):303-15

Influence of the thyroid state on myocardial myosin in the adult pig heart. Wiegand V, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):12-7

Interaction of soluble pig heart glutamate-aspartate transaminase with various beta,gamma-unsaturated amino acids. Cooper AJ, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):193-9

Bovine heart cytochrome c oxidase preparations contain high affinity binding sites for magnesium as well as for zinc, copper, and heme iron. Einarsdóttir O, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):840-7

Zinc is a constituent of bovine heart cytochrome c oxidase preparations. Einarsdóttir O, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):836-42

Activation of Ca2+-stimulated ATPase by phospholipid N-methylation in cardiac sarcoplasmic reticulum. Ganguly PK, et al. **Biochem Biophys Res Commun** 1985 Jul 16; 130(1):472-8

Inhibition of calmodulin-dependent cyclic nucleotide phosphodiesterase by flunarizine, a calcium-entry blocker. Kubo K, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):315-21

Attenuation of chick heart adenylate cyclase by muscarinic receptors after pertussis toxin treatment. McMahon KK, et al. **Biochem Biophys Res Commun** 1985 Jan 16; 126(1):622-9

Immunochemical comparison of lipoamide dehydrogenases from various sources and reactivity of various lipoamide dehydrogenases with rat heart pyruvate dehydrogenase-subcomplex. Matuda S, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):479-84

The differential stimulation of brain and heart cyclic-AMP phosphodiesterase by oncomodulin. Mutus B, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):500-6

ATP produced by myocardial sarcolemmal-bound creatine kinase is not preferentially used by the Na+ pump. Philipson KD, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):696-702

Activation of bovine heart ATP-MG2+-dependent phosphoprotein phosphatase: isolation of a phosphoenzyme intermediate and its conversion to the active form via a Mg2+-dependent autodephosphorylation reaction. Price DJ, et al. **Biochem Biophys Res Commun** 1985 May 16; 128(3):1203-10

The major rat heart glutathione S-transferases are anionic isozymes composed of Yb size subunits. Tu CP, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):981-8

The Pk-3 gene determines both the heart, M1, and the kidney, M2, pyruvate kinase isozymes in the mouse; and a simple electrophoretic method for separating phosphoglucomutase-3. Peters J, et al. **Biochem Genet** 1984 Dec;22(11-12):1047-63

The regulatory effect of ATP and its non-hydrolyzed analogs on heart adenylate cyclase. Avdonin PV, et al. **Biochem Int** 1983 Oct;7(4):493-9

Detection of acyl-CoA beta-oxidation enzymes in peroxisomes (microperoxisomes) of mouse heart. Connock MJ, et al. **Biochem Int** 1983 Apr;6(4):545-51

Interference by ATPase in the assay of rat heart phosphofructokinase. Filsell OH, et al. **Biochem Int** 1984 Aug;9(2):197-205

The effect of body weight and the fatty acid-oxidation inhibitor 2-tetradecylglycidic acid on pyruvate dehydrogenase complex activity in mouse heart. Caterson ID, et al. **Biochem J** 1984 Dec 15;224(3):787-91

5'-Nucleotidase from rat heart membranes. Inhibition by adenine nucleotides and related compounds. Naito Y, et al. **Biochem J** 1985 Mar 15;226(3):645-51

The role of adenosine kinase in regulating adenosine concentration [letter] Newby AC. **Biochem J** 1985 Feb 15; 226(1):343-4

Interaction with protein SH groups could be involved in adriamycin cardiotoxicity. Fabregat I, et al. **Biochem Med** 1984 Dec;32(3):289-95

Species variation in the ouabain sensitivity of cardiac Na+/K+-ATPase. A possible role for membrane lipids. Abeywardena MY, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3649-54

The effects of vanadate on rabbit ventricular muscle adenylate cyclase and sodium pump activities. Aiton JF, et al. **Biochem Pharmacol** 1985 May 1;34(9):1543-8

Different effects of various beta-adrenoceptor antagonists on adenylate cyclase, guanylate cyclase and calmodulin-dependent phosphodiesterase in heart. Kudo S, et al. **Biochem Pharmacol** 1985 May 15;34(10):1659-64

Species difference in temperature dependence of cardiac (Na+ + K+)-ATPase activity. Matsuda T, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2343-6

Streptozotocin-induced diabetes and hormone sensitivity of adenylate cyclase in rat myocardial sarcolemma, aorta and liver. Srivastava AK, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):2013-7

Electron-paramagnetic-resonance studies of structure and function of the two-haem enzymes Pseudomonas cytochrome c peroxidase and beef heart cytochrome c oxidase. Vänngård T. **Biochem Soc Trans** 1985 Jun; 13(3):619-22

Multiple oxidation products of sulfhydryl groups near the active site of thiolase I from porcine heart. Izbicka-Dimitrijević E, et al. **Biochemistry** 1984 Sep 11; 23(19):4318-24

Thermodynamic bases for fatty acid ethyl ester synthase catalyzed esterification of free fatty acid with ethanol and accumulation of fatty acid ethyl esters. Mogelson S, et al. **Biochemistry** 1984 Aug 28;23(18):4082-7

Nonoxidative ethanol metabolism in rabbit myocardium: purification to homogeneity of fatty acyl ethyl ester synthase. Mogelson S, et al. **Biochemistry** 1984 Aug 28; 23(18):4075-81

Acyl specificity of hamster heart CDP-choline 1,2-diacylglycerol phosphocholine transferase in phosphatidylcholine biosynthesis. Arthur G, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):221-9

Plasmalogenase in hamster heart. Arthur G, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):189-95

Ionization of tyrosine residues in horse-heart ferricytochrome c and its guanidinated and acetylated-guanidinated derivatives. Cronin JR, et al. **Biochim Biophys Acta** 1985 Apr 29;828(3):325-35

Pre-steady-state properties of bovine heart mitochondrial ATPase: a nucleotide-dependent H+ burst. Daggett SG, et al. **Biochim Biophys Acta** 1985 Jul 17;808(2):280-7

Characterization of highly purified ornithine decarboxylase from rat heart. Flamigni F, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):245-52

Isolation and glucose-6-phosphate-mediated dimerization of hexokinase from human heart. Haritos AA, et al. **Biochim Biophys Acta** 1985 Aug 8;830(2):113-9

The base-exchange enzyme activities of sarcolemma and sarcoplasmic reticulum from rat heart. Hattori H, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):542-8

Regulation of Ca2+ transport by cyclic 3',5'-AMP-dependent and calcium-calmodulin-dependent phosphorylation of cardiac sarcoplasmic reticulum. Kranias EG. **Biochim Biophys Acta** 1985 Feb 21;844(2):193-9

A unique cardiac cytosolic acyltransferase with preferential selectivity for fatty acids that form cyclooxygenase/lipoxygenase metabolites and reverse essential fatty acid deficiency. Needleman P, et al. **Biochim Biophys Acta** 1985 Sep 11;836(2):267-73

Association of spin-labelled cardiolipin with dimyristoylphosphatidylcholine-substituted bovine heart cytochrome c oxidase. A generalized specificity increase rather than highly specific binding sites. Powell GL, et al. **Biochim Biophys Acta** 1985 Jun 11;816(1):191-4

Phosphorus-31 nuclear magnetic resonance study on cytoplasmic aspartate aminotransferase from pig heart. A reinvestigation. Schnackerz KD. **Biochim Biophys Acta** 1984 Sep 11;789(2):241-4

Purification and characterization of two distinct Ca2+-activated proteinases from hearts of hypertensive rats. Spalla M, et al. **Biochim Biophys Acta** 1985 Aug 23; 830(3):258-66

Purification of five creatine kinase-MM variants from human heart and skeletal muscle. Vaidya H, et al. **Biochim Biophys Acta** 1984 Nov 9;790(3):230-7

The interconversion between monomeric and dimeric bovine heart cytochrome c oxidase. Bolli R, et al. **Biochimie** 1985 Jan;67(1):119-28

Studies on cytochrome c oxidase, XI. The amino-acid sequence of bovine heart polypeptide VIc. Erdweg M, et al. **Biol Chem Hoppe Seyler** 1985 Mar;366(3):257-63

Effect of carbon monoxide exposure on heart cytochrome c oxidase activity of rats. Pankow D, et al. **Biomed Biochim Acta** 1984;43(10):1185-9

Erythrosin B inhibits high affinity ouabain binding in guinea-pig heart Na+-K+-ATPase without influence on cardiac glycoside induced contractility. Fricke U. **Br J Pharmacol** 1985 Jun;85(2):327-34

The effects of detergents on CDP-choline:1,2-diacylglycerol phosphocholine transferase from hamster heart. Arthur G, et al. **Can J Biochem Cell Biol** 1984 Nov;62(11):1059-63

An in vitro model to study lipolysis of rat hepatic very low density lipoprotein using cardiac lipoprotein lipase. Brissette L, et al. **Can J Biochem Cell Biol** 1984 Nov;62(11):1076-80

Instability of endothelium-bound lipoprotein lipase activity in perfused rat hearts. Noël SP. **Can J Biochem Cell Biol** 1984 Feb-Mar;62(2-3):89-93

Cardiac malic enzyme in Friedreich's disease. Barbeau A, et al. **Can J Neurol Sci** 1984 Nov;11(4 Suppl):643-5

Dibutyryl cyclic AMP increases phosphodiesterase activity in the rat heart. Palmer WK, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1225-30

Modulation of myosin isoenzyme populations and activities of monoamine oxidase and phenylethanolamine-N-methyltransferase in pressure loaded and normal rat heart by swimming exercise and stress arising from electrostimulation in pairs. Rupp H, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1209-18

Enzymatically and electrocardiographically estimated infarct size in relation to pain in acute myocardial infarction. Herlitz J, et al. **Cardiology** 1984;71(5):239-46

Redistribution of creatine kinase isoenzymes in chronically overloaded myocardium. Younes A, et al. **Cardiovasc Res** 1985 Jan;19(1):15-9

Significance of elevated MB creatine kinase in patients after cardiac catheterization. Rosenblum AM, et al. **Cathet Cardiovasc Diagn** 1984;10(6):547-52

Does calmodulin play a role in the regulation of cardiac sarcolemmal adenylate cyclase activity? Cros G, et al. **Cell Calcium** 1984 Aug;5(4):365-75

Protein substrate specificity of a calmodulin-dependent protein kinase isolated from bovine heart. Kloepper RF, et al. **Cell Calcium** 1984 Aug;5(4):351-64

Distribution and colocalization of neuropeptide Y- and tyrosine hydroxylase-like immunoreactivity in the guinea-pig heart. Sternini C, et al. **Cell Tissue Res** 1985; 241(1):93-102

Routine 'cardiac' and 'hepatic' serum enzyme profiles in cardiac-transplant patients treated with cyclosporine A: operative and post-operative findings. McKenzie FN, et al. **Clin Chem** 1985 Jun;31(6):822-5

An inexpensive lyophilized quality-control material for cardiac isoenzymes [letter] Wu AH, et al. **Clin Chem** 1984 Oct;30(10):1718-9

Myocardial (Na+,K+)-ATPase activity in Dahl salt-sensitive and resistant rats. Clough DL, et al. **Clin Exp Hypertens [A]** 1985;7(4):573-84

Calmodulin reduces ouabain-sensitive ATPase of cardiac sarcolemmal membranes: high reduction in spontaneously hypertensive rats. Cirillo M, et al. **Clin Sci** 1984 Nov; 67(5):535-40

Latency differences of lysosomal enzymes in cardiac and skeletal muscles of male and female mice. Salminen A, et al. **Comp Biochem Physiol [A]** 1985;81(4):929-33

Effects of cold acclimation on the activity of lipoprotein lipase in adipose tissues of genetically obese Zucker rats. Bertin R, et al. **Comp Biochem Physiol [B]** 1985; 81(3):797-801

Evidence for existence of a cytosol 5'-nucleotidase in chicken heart: comparison of some properties of heart and liver enzymes. Itoh R, et al. **Comp Biochem Physiol [B]** 1985; 81(1):159-63

Identity of calcium-activated neutral proteases from rabbit cardiac and skeletal muscle. Ohsumi M, et al. **Comp Biochem Physiol [B]** 1984;79(4):643-6

Cardiac and hepatic acyl-CoA and acylcarnitine hydrolase activities in clofibrate-fed rabbits. Moore KH, et al. **Comp Biochem Physiol [C]** 1985;80(2):355-9

The effect of cigarette smoke on cytochrome-oxidase of the heart muscle. Gvozdjáková A, et al. **Cor Vasa** 1984; 26(6):466-8

Plasma lipid levels and heart lipoprotein lipase activity in mice under social stress. Lavín-Palmieri M, et al. **Cor Vasa** 1984;26(4):304-8

Temporal appearance and distribution of the Ca2+ + Mg2+ ATPase of the sarcoplasmic reticulum in developing chick myocardium as determined by immunofluorescence labeling. Jorgensen AO, et al. **Dev Biol** 1984 Nov; 106(1):156-65

Myosin isoenzyme distribution and Ca+2-activated myosin ATPase activity in the rat heart is influenced by fructose feeding and triiodothyronine. Dillmann WH. **Endocrinology** 1985 Jun;116(6):2160-6

Contractile protein transitions in human cardiac overload: reality and limitations. Cummins P. **Eur Heart J** 1984 Dec; 5 Suppl F:119-27

The hypertrophied myocardium accumulates the MB-creatine kinase isozyme. Ingwall JS. **Eur Heart J** 1984 Dec;5 Suppl F:129-39

Cardiac myosin heavy chain isozymic transitions during development and under pathological conditions are regulated at the level of mRNA availability. Mahdavi V, et al. **Eur Heart J** 1984 Dec;5 Suppl F:181-91

Regulation of lipases involved in the supply of substrate fatty acids for the heart. Stam H, et al. **Eur Heart J** 1985 Feb; 6(2):158-67

Age dependent variations in cardiac and skeletal muscle during short and long term treadmill-running of mice. Steinhagen-Thiessen E, et al. **Eur Heart J** 1984 Nov;5 Suppl E:27-30

Perhexiline directly inhibits arterial myosin phosphorylation and stimulates cardiac myofibrillar ATPase activity. Silver PJ. **Eur J Pharmacol** 1984 Oct 30;106(1):217-8

Distribution of isomyosin in cultured cardiac myocytes as determined by monoclonal antibodies and adenosine triphosphatase activity. Nag AC, et al. **Exp Cell Res** 1985 May;158(1):53-62

Effect of age and myocardial infarction on serum and heart lactic dehydrogenase. Asha S, et al. **Exp Gerontol** 1985; 20(1):67-70

Changes in 5'-nucleotidase and adenosine deaminase distribution across the rat left ventricle wall during growth and aging. De Tata V, et al. **Exp Gerontol** 1985;20(1):47-51

Molecular mechanism for the production of multiple forms of MM creatine kinase. Perryman MB, et al. **Experientia** 1984 Nov 15;40(11):1275-7

Effect of papain digestion on redox-linked proton translocation in b-c1 complex from beef heart reconstituted into liposomes. Lorusso M, et al. **FEBS Lett** 1985 Mar 25; 182(2):370-4

Selective labeling of beef heart cytochrome oxidase subunit III with eosin-5-maleimide. Müller M, et al. **FEBS Lett** 1985 May 6;184(1):110-4

Activation of rat heart phosphofructokinase-2 by insulin in vivo. Rider MH, et al. **FEBS Lett** 1984 Oct 29;176(2):484-8

Magnesium-dependent conformational changes of membrane proteins are related to the Mg2+-dependent ATPase activity in cardiac sarcolemma. Vrbjar N, et al. **FEBS Lett** 1985 Sep 2;188(2):379-82

The cyclo-oxygenase pathway in the avascular heart of the frog, Rana esculenta L. Ghiara P, et al. **Gen Pharmacol** 1984;15(4):309-13

The effects of lidocaine and procainamide on the sarcolemmal membrane high affinity cyclic AMP phosphodiesterase of rat myocardium. Illiano G, et al. **Gen Pharmacol** 1985; 16(2):115-9

Exaprolol as a modulator of heart sarcolemmal (Na+ + K+)-ATPase. Evidence for interaction with an essential sulfhydryl group in the catalytic centre of the enzyme. Džurba A, et al. **Gen Physiol Biophys** 1985 Jun;4(3):257-64

Quantitative relationship between the protein secondary structure in cardiac sarcolemma and the activity of the membrane-bound Ca2+-ATPase. Vrbjar N, et al. **Gen Physiol Biophys** 1985 Aug;4(4):411-6

Ontogenetic development of membrane-bound proteases and some other enzymes in the endothelial lining of the capillary bed of rat and chicken myocardium. Lojda Z, et al. **Histochem J** 1985 May;17(5):555-7

Effects of hormones, fasting and diabetes on triglyceride lipase activities in rat heart and liver. Stam H, et al. **Horm Metab Res** 1984 Jun;16(6):293-7

Glycogen storage disease confined to the heart with deficient activity of cardiac phosphorylase kinase: a new type of glycogen storage disease. Eishi Y, et al. **Hum Pathol** 1985 Feb;16(2):193-7

Changes in cytoplasmic and lysosomal enzyme activities in cultured rat heart cells: the relationship to cell differentiation and cell population in culture. Yagev S, et al. **In Vitro** 1984 Dec;20(12):893-8

On modelling of enzyme release from infarcted myocardium and estimation of infarction size. Mandal M, et al. **Indian Heart J** 1985 Jan-Feb;37(1):43-53

Effect of swimming exercise on rat heart sarcolemmal ATPase activities. Murthy KR, et al. **Indian Heart J** 1984 Jul-Aug;36(4):223-5

Effect of experimental arrhythmias and antiarrhythmic drugs on succinate dehydrogenase and lactate dehydrogenase activity in cat heart. Pande M, et al. **Indian J Exp Biol** 1984 Mar;22(3):149-52

Effect of cardiac arrhythmias & antiarrhythmic drugs on myocardial acetylcholinesterase in the cat. Pande M, et al. **Indian J Med Res** 1984 Sep;80:360-4

In vivo study of LDH isoenzyme activities in heart, liver and testis cytosols of gossypol-treated rats. Steiner M, et al. **Int J Androl** 1984 Dec;7(6):521-8

Modification of the catalytic and regulatory properties of beef heart AMP-deaminase by DTNB treatment. Składanowski A, et al. **Int J Biochem** 1985;17(1):139-42

Glutathione S-transferase from beef heart: structural and kinetic properties. Di Cola D, et al. **Ital J Biochem** 1985 Mar-Apr;34(2):85-93

Horse heart acylphosphatase: purification and characterization. Stefani M, et al. **Ital J Biochem** 1985 Mar-Apr;34(2):94-108

Effect of nicotinamide adenine dinucleotide on the oxidation-reduction potentials of lipoamide dehydrogenase from pig heart. Maeda-Yorita K, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):683-90

A protein activator of the plasma membrane Ca++-ATPase of heart sarcolemma. Reinlib LJ, et al. **J Bioenerg Biomembr** 1984 Dec;16(5-6):611-22

Heart 6-phosphofructo-1-kinase. Subcellular distribution and binding to myofibrils. Choate GL, et al. **J Biol Chem** 1985 Apr 25;260(8):4815-22

The role of dissimilar subunits of NAD-specific isocitrate dehydrogenase from pig heart. Evaluation using affinity labeling. Ehrlich RS, et al. **J Biol Chem** 1984 Oct 10; 259(19):11936-42

Activation of myocardial neutral triglyceride lipase and neutral cholesterol esterase by cAMP-dependent protein kinase. Goldberg DI, et al. **J Biol Chem** 1985 May 25; 260(10):5879-82

The separate effects of coenzyme components may not be additive. Roles of pyridoxal and inorganic phosphate in aspartate aminotransferase apoenzymes. Iriarte A, et al. **J Biol Chem** 1985 Jun 25;260(12):7457-63

Purification and characterization of phospholamban from canine cardiac sarcoplasmic reticulum. Jones LR, et al. **J Biol Chem** 1985 Jun 25;260(12):7721-30

Regulation of calcium transport by protein phosphatase activity associated with cardiac sarcoplasmic reticulum. Kranias EG. **J Biol Chem** 1985 Sep 15;260(20):11006-10

On the mechanism of regulation of type I phosphoprotein phosphatase from bovine heart. Regulation by a novel intracyclic activation-deactivation mechanism via transient phosphorylation of the regulatory subunit by phosphatase-1 kinase (FA). Li HC, et al. **J Biol Chem** 1985 May 25;260(10):6416-26

Regulation of phosphofructokinase in perfused rat heart. Requirement for fructose 2,6-bisphosphate and a covalent modification. Narabayashi H, et al. **J Biol Chem** 1985 Aug 15;260(17):9750-8

Phosphorylation of the Ca2+-pumping ATPase of heart sarcolemma and erythrocyte plasma membrane by the cAMP-dependent protein kinase. Neyses L, et al. **J Biol Chem** 1985 Aug 25;260(18):10283-7

Reaction of substrates with 35S-thiophosphorylated succinyl-CoA synthetase of pig heart. Similarities to the case of the Escherichia coli enzyme. Nishimura JS, et al. **J Biol Chem** 1985 Feb 25;260(4):2077-9

Reduced levels of cardiac cAMP-dependent protein kinase in spontaneously hypertensive rat. Prashad N. **J Biol Chem** 1985 Aug 25;260(18):10125-31

Immunologic identification of a glycogen synthase 93,000-dalton subunit from rat heart and liver. Rulfs J, et al. **J Biol Chem** 1985 Jan 25;260(2):1203-7

Identification of neutral active phospholipase C which hydrolyzes choline glycerophospholipids and plasmalogen selective phospholipase A2 in canine myocardium. Wolf RA, et al. **J Biol Chem** 1985 Jun 25;260(12):7295-303

Relationship of cardiac muscle tension to Na+,K+-adenosine triphosphatase activity after chronic digitoxin administration in cats. Durrett LR, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):411-6

Adenylate cyclase activity in rat myocardium following chronic infusions of angiotensin II and epinephrine. Kumano K, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct; 6(5):756-61

Reversible inhibition of adenylate cyclase activity in the ischemic myocardium. Will-Shahab L, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S23-7

Hereditary pituitary dwarfism in mice affects skeletal and cardiac myosin isozyme transitions differently. Whalen RG, et al. **J Cell Biol** 1985 Aug;101(2):603-9

Affinity chromatography of B6-vitamin-dependent enzymes: purification of pig-heart branched-chain amino acid transaminase. Korpela TK, et al. **J Chromatogr** 1985 Jan 18;318(2):333-41

Muscarinic cholinergic receptor-mediated attenuation of adenylate cyclase activity in rat heart membranes. Smith MM, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(2):197-210

Combined effect of some physical and chemical factors. Ivanovich E, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(2):105-10

Myocardial Na,K-ATPase activity in rats with steroid and spontaneous hypertension. Clough DL, et al. **J Hypertens** 1984 Apr;2(2):141-7

Multiple structures and functions of cytochrome oxidase. Powers L, et al. **J Inorg Biochem** 1985 Mar-Apr; 23(3-4):207-17

Inhibition of carnitine palmitoyl-CoA transferase activity and fatty acid oxidation by lactate and oxfenicine in cardiac muscle. Bielefeld DR, et al. **J Mol Cell Cardiol** 1985 Jun; 17(6):619-25

Xanthine oxidase as a source of free radical damage in myocardial ischemia. Chambers DE, et al. **J Mol Cell Cardiol** 1985 Feb;17(2):145-52

Resolution and properties of the catalytic unit of cardiac adenylate cyclase. Drummond GI. **J Mol Cell Cardiol** 1985 Feb;17(2):183-94

Effect of pH on calcium ion dependence of dog cardiac sarcoplasmic reticulum adenosine triphosphatase activity. Grassi de Gende AO, et al. **J Mol Cell Cardiol** 1985 May; 17(5):505-9

The effect of short term normothermic global ischemia and acidosis on cardiac myofibrillar Ca2+-Mg2+ ATPase activity. Krause SM, et al. **J Mol Cell Cardiol** 1985 May; 17(5):523-6

Long-chain acyl-CoA and acylcarnitine hydrolase activities in normal and ischemic rabbit heart. Moore KH, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):905-13

Separation and reconstitution of regulatory and catalytic components of heart adenylate cyclase. Panchenko MP, et al. **J Mol Cell Cardiol** 1985 Feb;17(2):133-43

The effect of ischaemia on the activity of pyruvate dehydrogenase complex in rat heart. Vary TC, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):723-33

Effect of prolonged starvation on glycogen synthase and glycogen synthase phosphatase activity in rat heart. Gannon MC, et al. **J Nutr** 1984 Nov;114(11):2147-54

Effect of insulin administration on cardiac glycogen synthase and synthase phosphatase activity in rats fed diets high in protein, fat or carbohydrate. Gannon MC, et al. **J Nutr** 1985 Feb;115(2):243-51

Cardiospecific creatine kinase after strenuous exercise in female athletes. Ohman EM, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):270-2

Creatine kinase and lactate dehydrogenase in the muscles encountered during median sternotomy and in the myocardium of the cardiac chambers. Graeber GM, et al. **J Thorac Cardiovasc Surg** 1985 May;89(5):700-5

The effects of electroconvulsive therapy on serial electrocardiograms and serum cardiac enzyme values. A prospective study of depressed hospitalized inpatients. Dec GW Jr, et al. **JAMA** 1985 May 3;253(17):2525-9

Relationship between regional myocardial blood flow and tissue ATP content in acute ischemia. Itoh K, et al. **Jpn Heart J** 1984 Jul;25(4):599-608

Effects of adenosine on transmembrane potential and sarcolemmal Na+-K+ ATPase activity of human atrial myocardium. Lee YS, et al. **Jpn Heart J** 1985 Jan; 26(1):69-80

Properties of monoamine oxidase in monkey heart. Katayama M, et al. **Jpn J Pharmacol** 1984 Aug;35(4):425-31

Distribution of cytosolic and mitochondrial aspartate aminotransferase in normal, ischemic, and necrotic myocardium. An immunohistochemical study. Siegel RJ, et al. **Lab Invest** 1984 Dec;51(6):648-54

Inhibition of rat cardiac and renal Na+,K+-ATPase by high sodium concentrations and vanadate. Clough DL. **Life Sci** 1985 Sep 2;37(9):799-807

Greater sensitivity to vanadate of rat renal relative to cardiac (Na+ + K+)-ATPase. Clough DL. **Life Sci** 1984 Nov 5;35(19):1937-46

Modulation of the cardiac membrane-bound cyclic nucleotide phosphodiesterase: inhibition due to a contamination of TLC purified S-adenosyl-L-[methyl-3H] methionine by Zn++ ions. Dubois M, et al. **Life Sci** 1985 Jul 29;37(4):315-24

Selective inhibition of cardiac cyclic nucleotide phosphodiesterases by doxorubicin and daunorubicin. Law J, et al. **Life Sci** 1985 Feb 11;36(6):589-99

Decreased cardiac lipoprotein lipase activity in rats treated chronically with adriamycin. Thayer WS. **Life Sci** 1985 Feb 18;36(7):635-41

Glutathione peroxidase and reductase activities in the aging mouse. Hazelton GA, et al. **Mech Ageing Dev** 1985 Jan; 29(1):71-81

Exercise activation of myocardial lipoprotein lipase in male and estrogen-treated female rats. Goldberg DI, et al. **Metabolism** 1984 Oct;33(10):964-9

The influence of inorganic phosphate and ATP on the kinetics of bovine heart muscle pyruvate kinase. Baranowska B, et al. **Mol Cell Biochem** 1984 Sep; 64(1):45-50

Voltage dependence of Na/K pump current in isolated heart cells. Gadsby DC, et al. **Nature** 1985 May 2-8; 315(6014):63-5

Adenosine and adenosine analogs inhibit phosphodiesterase activity in the heart. Meyer W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):207-9

The influence of inhibition of catechol-O-methyl transferase or of monoamine oxidase on the extraneuronal metabolism of 3H-(-)-noradrenaline in the rat heart. Trendelenburg U. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):285-92

Adenylate cyclase activity in fetal rabbit myocardium. Hatjis CG. **Pediatr Res** 1985 Jan;19(1):75-8

Atrial and ventricular myosin ATPase—divergence with increasing animal species size. Syrový I. **Pflugers Arch** 1985 May;404(1):80-2

Effects of multiple doxorubicin doses on mouse cardiac and hepatic catalase. D'Alessandro N, et al. **Pharmacol Res Commun** 1984 Feb;16(2):145-51

Effects of temperature on rat and mouse cardiac myosin ATPase activity during development. Syrový I. **Physiol Bohemoslov** 1984;33(4):376-80

Effect of estrogen on lysosomal enzyme activities in rat heart. Gallagher LJ, et al. **Proc Soc Exp Biol Med** 1984 Dec; 177(3):428-33

Naloxone reduces release of creatine kinase in the isolated ischemic rat heart. Lee AY, et al. **Proc Soc Exp Biol Med** 1985 Jun;179(2):219-21

Rat plasma heart and testicular lactate dehydrogenase: subcellular distribution and kinetic properties. Messiha FS, et al. **Proc West Pharmacol Soc** 1984;27:285-8

Protein degradation and lysosomal proteinases in cultured fetal rabbit cardiac myocytes. Decker RS, et al. **Prog Clin Biol Res** 1985;180:627-8

Calcium-dependent proteases from liver and heart. DeMartino GN, et al. **Prog Clin Biol Res** 1985;180:117-26

Mechanism of activation of the calcium-, calmodulin-dependent protein kinase of cardiac sarcoplasmic reticulum and dephosphorylation of phosphoesters by an endogenous phosphatase. Suko J, et al. **Prog Clin Biol Res** 1984;168:35-40

Characterization of trypsin stimulation of cardiac adenylate cyclase. Cros GH, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jun; 48(3):323-44

Influence of myosin antiserum on heart sarcolemmal Ca2+ or Mg2+ ATPase activity. Tuana BS, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug; 45(2):297-300

Catecholamine-responsive adenylate cyclase activity in human endomyocardial biopsies. Individual sensitivity to isoproterenol stimulation and propranolol inhibition. Golf S, et al. **Scand J Clin Lab Invest** 1985 Feb;45(1):61-6

'Cardiac' enzymes after transurethral resection of the prostate. Ström S. **Scand J Urol Nephrol** 1984;18(4):289-92

A comparative study on enzymatic data from myocardial biopsies and cardiac function in patients who underwent cardiac surgery. van der Laarse A, et al. **Thorac Cardiovasc Surg** 1984 Oct;32(5):277-82

Effects of cadmium on glutathione peroxidase, superoxide dismutase, and lipid peroxidation in the rat heart: a possible mechanism of cadmium cardiotoxicity. Jamall IS, et al. **Toxicol Appl Pharmacol** 1985 Aug;80(1):33-42

In vivo effects of 1,3-bis(2-chloroethyl)-1-nitrosourea and doxorubicin on the cardiac and hepatic glutathione systems. Paraidathathu T, et al. **Toxicology** 1985 May;35(2):113-24

Ligand effects on actin activated ATPase of cardiac and skeletal muscle myosin: the functional role of the light chain isozymes of subfragment-1. Balish MS, et al. **Trans Assoc Am Physicians** 1984;97:95-103

[Distribution of lactate dehydrogenase isoenzymes in human myocardium obtained from endomyocardial biopsies] Ferrière M, et al. **Ann Cardiol Angeiol (Paris)** 1985 Feb; 34(2):61-4 (Eng. Abstr.) **(Fre)**

[Effects of nicardipine on electrophysiologic alterations and enzyme leakage induced in vitro in the guinea pig] Duriez PR, et al. **J Pharmacol** 1985 Jan-Mar;16(1):75-90 (Eng. Abstr.) **(Fre)**

[The effect of organophosphates on heart ATPase in the rat] Dierkes-Tizek U, et al. **Arzneimittelforsch** 1984;34(6):671-8 (Eng. Abstr.) **(Ger)**

[Inhibition of monoamine oxidase A and B in the heart and brain of the rat with amitriptyline, pargyline and pirlindol] Schraven E, et al. **Arzneimittelforsch** 1984;34(10):1258-60 (Eng. Abstr.) **(Ger)**

[Activity of gluconeogenetic enzymes in swine myocardium and skeletal muscles] Grün E, et al. **Biomed Biochim Acta** 1984;43(10):1091-100 (Eng. Abstr.) **(Ger)**

[Variations in CPK-MB during extracorporeal circulation] Possati F, et al. **Minerva Cardioangiol** 1985 Mar;33(3):123-6 (Eng. Abstr.) **(Ita)**

[Toxic effect of carbon tetrachloride on the myocardium. II. Experimental part. A. Histochemical analysis of the rat myocardium in acute carbon tetrachloride poisoning] Dziadecki J. **Med Pr** 1984;35(4):257-62 (Eng. Abstr.) **(Pol)**

[Changes in the cAMP-dependent phosphorylation system of myocardial sarcoplasmic reticulum components during circulatory hypoxia] Antipenko AE, et al. **Biokhimiia** 1985 Jan;50(1):12-6 (Eng. Abstr.) **(Rus)**

[Fibrinolytic activity of heart tissues and aorta of rats undergoing electroshock] Liutova LV, et al. **Biol Nauki** 1985;(6):59-62 (Eng. Abstr.) **(Rus)**

[The polypeptide composition of cytochrome oxidase from the bovine heart muscle] Filatov IA, et al. **Bioorg Khim** 1985 Feb;11(2):192-5 (Eng. Abstr.) **(Rus)**

[M-cholinoreceptor-mediated inhibition of Na, K-ATPase activity in the myocardial sarcolemma and intestinal smooth muscles by acetylcholine] Danilenko MP, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):259-61 (Eng. Abstr.) **(Rus)**

[Disorders of the deamination of nitrogenous compounds in the heart muscle in experimental atherosclerosis] Khuzhamberdiev M, et al. **Biull Eksp Biol Med** 1984 Dec; 98(12):678-80 (Eng. Abstr.) **(Rus)**

[Changes in the activity of antioxidant enzymes in ischemia and subsequent reperfusion of the myocardium] Konovalova GG, et al. **Biull Eksp Biol Med** 1984 Sep; 98(9):271-3 (Eng. Abstr.) **(Rus)**

[Enzymes utilizing hydroperoxides and O ./2 in the myocardium of rats of different ages] Lemeshko VV, et al. **Biull Eksp Biol Med** 1985 May;99(5):563-5 (Eng. Abstr.) **(Rus)**

[Effect of adrenaline and acetylcholine on the phosphatidylserine decarboxylase activity of the heart] Iakushev VS, et al. **Farmakol Toksikol** 1985 May-Jun; 48(3):45-6 (Eng. Abstr.) **(Rus)**

[Effect of electrostimulation of the hypothalamus on the lactate and malate dehydrogenase activity and isoenzyme composition of the rat myocardium] Masiuk AI, et al. **Fiziol Zh** 1985 Jan-Feb;31(1):1-6 (Eng. Abstr.) **(Rus)**

[Cytosol aspartate aminotransferase from the chicken heart: three-dimensional structure at 2.8 angstroms resolution and the characteristic conformation of various enzyme forms] Braunshtein AE, et al. **Mol Biol (Mosk)** 1985 Jan-Feb; 19(1):196-208 (Eng. Abstr.) **(Rus)**

[Aminoacyl-tRNA-synthetases and their high molecular weight complexes in experimental myocardial ischemia] Ivanov LL, et al. **Mol Biol (Mosk)** 1984 Sep-Oct; 18(5):1326-9 (Eng. Abstr.) **(Rus)**

[Spectral properties of aspartate transaminase from chicken heart cytosol] Kochkina VM. **Mol Biol (Mosk)** 1985 Mar-Apr;19(2):558-64 (Eng. Abstr.) **(Rus)**

[Assessment of the functional reserve of the left ventricle and myocardial energetics in mitral stenosis patients] Chestukhin VV, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct; (5):20-4 (Eng. Abstr.) **(Rus)**

[Myocardial metabolism in experimental uremia] Minkin RB, et al. **Patol Fiziol Eksp Ter** 1985 May-Jun;(3):28-31 (Eng. Abstr.) **(Rus)**

[Development of cardiac adenylate cyclase hypersensitivity to isoproterenol in the chronic action of propranolol on rats] Tkachuk VA, et al. **Probl Endokrinol (Mosk)** 1985 Mar-Apr;31(2):49-52 (Eng. Abstr.) **(Rus)**

[Na+,K+-ATPase activity and potassium, sodium and calcium levels in the rat myocardium and brain during pain-induced emotional stress] Iakushev VS, et al. **Ukr Biokhim Zh** 1985 May-Jun;57(3):65-8 (Eng. Abstr.) **(Rus)**

[The effect of 3',5'-AMP-dependent protein kinase on the release of cathepsin B from lysosomes of rat skeletal muscles and heart under exertion] Kalinskiĭ MI. **Ukr Biokhim Zh** 1984 Jul-Aug;56(4):408-13 (Eng. Abstr.) **(Rus)**

[Changes in the creatine kinase activity in the rat heart and skeletal muscles during myorelaxation with tubocurarine, arduan and myorelaxin] Mozgovaia EN, et al. **Ukr Biokhim Zh** 1984 Sep-Oct;56(5):555-8 (Eng. Abstr.) **(Rus)**

[Effect of freezing and thawing on the structure and function of cytochrome oxidase] Rozanova ED, et al. **Ukr Biokhim Zh** 1985 Jan-Feb;57(1):61-4 (Eng. Abstr.) **(Rus)**

[Prevention of experimental ventricular fibrillation by Na K ATPase activation] Kuzhman MI, et al. **Vestn Akad Med Nauk SSSR** 1984;(8):35-41 (Eng. Abstr.) **(Rus)**

[Effect of changes in atmospheric pressure on enzyme activity in the lymphocytes and organs of mice] Petrichuk SV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):62-5 **(Rus)**

[Activity of the key glycolysis enzymes of the heart during emotional stress and myocardial necrosis induced after exposure to stress] Iakushev VS, et al. **Vopr Med Khim** 1985 Jan-Feb;31(1):79-82 (Eng. Abstr.) **(Rus)**

[Effect of myocardial ischemia on the ATPase system] Shkolovoĭ VV. **Vopr Med Khim** 1984 Sep-Oct;30(5):41-3 (Eng. Abstr.) **(Rus)**

[Regulation of sarcolemmal Ca2+-ATPase activity in the heart based on the differing effect of sodium and potassium ions] Ziegelhöffer A, et al. **Bratisl Lek Listy** 1985 Mar; 83(3):301-7 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Surface antigens of adult heart cells and their use in diagnosis. Maisch B. **Basic Res Cardiol** 1985;80 Suppl 1:47-51

Specific antibodies to PAS IV, a glycoprotein of bovine milk-fat-globule membrane, bind to a similar protein in cardiac endothelial cells and epithelial cells of lung bronchioles. Greenwalt DE, et al. **Biochem J** 1985 May 15;228(1):233-40

Chronic Chagas' myocardiopathy. Demonstration of in vivo bound immunoglobulins in heart structures by the immunoperoxidase technique. Molina HA, et al. **Cardiology** 1984;71(6):297-306

Detection of anti-contractile antibodies after cardiac surgery using ELISA assay. De Scheerder I, et al. **Clin Exp Immunol** 1985 May;60(2):403-6

Experimental myocarditis induced in Swiss mice by homologous heart immunization resembles chronic experimental Chagas' heart disease. Cossio PM, et al. **Clin Immunol Immunopathol** 1984 Nov;33(2):165-75

Cell mediated immune responses to purified cardiac antigens in acute rheumatic fever & rheumatic heart disease. Natu SM, et al. **Indian J Med Res** 1984 Nov;80:566-71

Immunochemistry of the Streptococcus mutans BHT cell membrane: detection of determinants cross-reactive with human heart tissue. Ayakawa GY, et al. **Infect Immun** 1985 May;48(2):280-6

Murine monoclonal antibodies reactive with human heart and group A streptococcal membrane antigens. Cunningham MW, et al. **Infect Immun** 1984 Oct;46(1):34-41

Lack of cross-reactivity of antibodies to ribosomal preparations from Streptococcus mutans with human heart and kidney antigens. Gregory RL, et al. **Infect Immun** 1984 Oct;46(1):42-7

Expression of protective and cardiac tissue cross-reactive epitopes of type 5 streptococcal M protein in Escherichia coli. Poirier TP, et al. **Infect Immun** 1985 Apr;48(1):198-203

Variable inotropic effect of immune cells on mice atria—participation of metabolic products of arachidonic acid. Borda E, et al. **Int J Immunopharmacol** 1984; 6(6):629-36

Expression of a developmentally regulated antigen on the surface of skeletal and cardiac muscle cells. Kaufman SJ, et al. **J Cell Biol** 1985 Jun;100(6):1977-87

Epitopes of streptococcal M proteins shared with cardiac myosin. Dale JB, et al. **J Exp Med** 1985 Aug 1;

162(2):583-91

Multiple, heart-cross-reactive epitopes of streptococcal M proteins. Dale JB, et al. **J Exp Med** 1985 Jan 1; 161(1):113-22

Heart-specific autoantibodies following murine coxsackievirus B3 myocarditis. Wolfgram LJ, et al. **J Exp Med** 1985 May 1;161(5):1112-21

Immunological study of heart diseases with special reference to the cytotoxicity of the heterophile antibody against cultured myocardial cells. Fukuta S, et al. **Jpn Circ J** 1984 Dec;48(12):1354-7

Maternal connective tissue disease and congenital heart block. Demonstration of immunoglobulin in cardiac tissue. Litsey SE, et al. **N Engl J Med** 1985 Jan 10;312(2):98-100

Myosin: a link between streptococci and heart. Krisher K, et al. **Science** 1985 Jan 25;227(4685):413-5

Host-graft relationship: the systemic nature of allograft rejection. Kupiec-Weglinski JW, et al. **Surgery** 1985 Aug; 98(2):259-66

[Cellular immunologic response to cardiac and valvular antigens in recipients of allogeneic aortic valves] Zebrowski A, et al. **Kardiol Pol** 1984;27(9):741-51 (Eng. Abstr.) **(Pol)**

[Heterophile antibodies to the antigens of myocardial interstitial connective tissue and erythrocytes in animals of different species] Danilova TA. **Biull Eksp Biol Med** 1985 Jan;99(1):81-4 (Eng. Abstr.) **(Rus)**

[Effect of preliminary local myocardial hypoxia on the development of immune heart damage] Moĭbenko AA, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):277-80 (Eng. Abstr.) **(Rus)**

[Effect of antimembrane antibodies on the transmembrane resting potential and action potential of cardiomyocytes] Ianchiĭ RI, et al. **Fiziol Zh** 1984 Sep-Oct;30(5):625-34 (Eng. Abstr.) **(Rus)**

METABOLISM

Changes in oxygen consumption of the isolated heart muscle from animals treated with cardio-active drugs. Liu GD, et al. **Acta Acad Med Wuhan** 1985;5(1):20-2

Circulatory shock following intravenous propoxyphene poisoning. An experimental study of cardiac function and metabolism in pentobarbital-anesthetized pigs. Bredgaard Sørensen M, et al. **Acta Anaesthesiol Scand** 1985 Jan; 29(1):130-6

Surgical stimulation during high-dose fentanyl anaesthesia: effects of dehydrobenzperidol on the haemodynamics and myocardial oxygenation. Heikkilä H, et al. **Acta Anaesthesiol Scand** 1985 Apr;29(3):259-64

A new method for clinical assessment of the negative inotropic action of anaesthetics—with special reference to isoflurane and its effect on myocardial oxygenation. Reiz S, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):422-5

Effects of acute ketotic and non-ketotic diabetes on the myocardial muscarinic receptors. Bergh CH, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Nov;55(5):373-9

Myocardial calcium uptake in streptozotocin diabetic and control rats after dibutyryl-cAMP; alpha-adrenergic stimulation and calcium deprivation. Gøtzsche O. **Acta Pharmacol Toxicol (Copenh)** 1985 Feb;56(2):144-8

Cyclic GMP affects redox state and improves energy charge of ischaemic Langendorff-perfused rat heart. Laustiola K. **Acta Pharmacol Toxicol (Copenh)** 1985 Feb;56(2):139-43

Effect of noradrenaline on rest-dependent and excitation-dependent exchange of calcium in the ventricular muscle of guinea-pig heart. Pytkowski B. **Acta Physiol Pol** 1983 Sep-Dec;34(5-6):493-9

The effect of low-Na perfusion and D-600 on 45Ca exchange and contractions in the ventricular myocardium of the guinea-pig heart. Pytkowski B, et al. **Acta Physiol Pol** 1983 Sep-Dec;34(5-6):483-91

Vitamin E deficiency and the susceptibility to lipid peroxidation of mouse cardiac and skeletal muscles. Salminen A, et al. **Acta Physiol Scand** 1984 Dec; 122(4):565-70

Transmural distribution of glucose uptake in the rat heart: effects of mechanical work load, substrate supply and exercise. Takala TE, et al. **Acta Physiol Scand [Suppl]** 1984; 537:17-21

Accumulation of 99Tcm-gluconate in daunorubicin-treated neonatal heart cells in culture. Galaris D, et al. **Acta Radiol [Oncol]** 1985 Mar-Apr;24(2):177-80

Regional glucose consumption and oxygen supply in the isolated perfused working rat heart. Breull W, et al. **Adv Exp Med Biol** 1984;180:721-30

Michaelis-Menten-like kinetics in the Krogh tissue cylinder. Cronk J, et al. **Adv Exp Med Biol** 1984;180:499-509

Oxygen supply to the myocardium. Faithfull NS, et al. **Adv Exp Med Biol** 1984;180:411-23

Cold protected hearts extract oxygen from Fluosol-DA during cardiopulmonary bypass. Gartman DM, et al. **Adv Exp Med Biol** 1984;180:443-50

Analysis of tissue reflection spectra obtained from brain or heart, using the two flux theory for non-constant light scattering. Hoffmann J, et al. **Adv Exp Med Biol** 1984; 180:555-63

Effects of modeling assumptions on oxygen transport in isolated heart. Napper S, et al. **Adv Exp Med Biol** 1984; 180:73-83

The effect of cell size and capillary spacing on myocardial oxygen supply. Rakusan K, et al. **Adv Exp Med Biol** 1984; 180:463-75

An analytical model for axial diffusion in the Krogh cylinder. Schubert RW, et al. **Adv Exp Med Biol** 1984;180:433-42

Calmodulin in the regulation of calcium fluxes in cardiac sarcolemma. Carafoli E. **Adv Myocardiol** 1985;5:97-101

Insulin action on cardiac glucose transport. Studies on the role of the sodium pump. Eckel J, et al. **Adv Myocardiol** 1985;6:105-11

Na-Ca exchange in cardiac tissues. Ellis D. **Adv Myocardiol** 1985;5:295-312 (70 ref.)

Phosphorus two-dimensional NMR spectroscopy of perfused rat hearts. Garlick PB, et al. **Adv Myocardiol** 1985;5:15-25

Molecular approach to the calcium channel. Glossmann H, et al. **Adv Myocardiol** 1985;5:41-76

Dependence of protein synthesis on aortic pressure and calcium availability. Gordon EE, et al. **Adv Myocardiol** 1985;5:145-56

Oxygen radicals and tissue damage in heart hypertrophy. Guarnieri C, et al. **Adv Myocardiol** 1985;5:191-9

The calmodulin-dependent phosphorylation of cardiac myosin. Hofmann F, et al. **Adv Myocardiol** 1985;5:87-95

High-time-resolution 31P NMR studies of the perfused ferret heart. Morris PG, et al. **Adv Myocardiol** 1985;5:27-37

Carbon-13 and phosphorus-31 nuclear magnetic resonance studies of myocardial metabolism in live guinea pigs. Neurohr KJ, et al. **Adv Myocardiol** 1985;6:185-93

Single cells and rapid inward sodium current. Powell T. **Adv Myocardiol** 1985;5:273-8 (31 ref.)

Epicardial image analysis using a desk top computer. Comparison of epicardial flow distribution and NADH-fluorescence pattern. Roesen R, et al. **Adv Myocardiol** 1985;6:217-31

Ethanol and cardiac protein synthesis. Schreiber SS, et al. **Adv Myocardiol** 1985;5:123-35

Potassium balance and ouabain binding sites in intact porcine hearts during isoproterenol infusion. Sejersted OM, et al. **Adv Myocardiol** 1985;6:83-95

The effects of hormonal factors on cardiac protein turnover. Sugden PH. **Adv Myocardiol** 1985;5:105-21 (93 ref.)

Is the purine nucleotide cycle important in heart muscle? Taegtmeyer H. **Adv Myocardiol** 1985;6:165-72

The effects of intracellular Na on contraction and intracellular pH in mammalian cardiac muscle. Vaughan-Jones RD, et al. **Adv Myocardiol** 1985;5:313-30

Effects of inosine on cardiac adenine nucleotide metabolism in rats. Zimmer HG. **Adv Myocardiol** 1985;6:173-83

Calcium flux regulation in myocardial and vascular smooth muscle. Moura AM, et al. **Adv Nephrol** 1985;14:173-96 (197 ref.)

Cardiac prostaglandin synthesis in spontaneous and in effort angina. Neri Serneri GG, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 13:59-70

On the presence of H1-receptors in various sections of guinea-pig heart: a correlation between binding and functional studies. Bennardini F, et al. **Agents Actions** 1984 Oct;15(3-4):167-71

Myocardial metabolic and hemodynamic effects of intravenous MDL-17,043, a new cardiotonic drug, in patients with chronic severe heart failure. Amin DK, et al. **Am Heart J** 1984 Nov;108(5):1285-92

Rebound recovery of myocardial creatine phosphate with reperfusion after ischemia. Ichihara K, et al. **Am Heart J** 1984 Dec;108(6):1594-7

Electrophysiologic effects of amiodarone: experimental and clinical observation relative to serum and tissue drug concentrations. Ikeda N, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):890-8

Studies on the mode of action of isosorbide dinitrate: a physiologic and biochemical approach. Matlib MA, et al. **Am Heart J** 1985 Jul;110(1 Pt 2):204-12

Prostacyclin and thromboxane A2 production by human cardiac atrial tissues. Mehta J, et al. **Am Heart J** 1985 Jan; 109(1):1-3

Spontaneous and cold pressor test-induced prostaglandin biosynthesis by human heart. Neri Serneri GG, et al. **Am Heart J** 1985 Jul;110(1 Pt 1):50-5

Propranolol-induced changes in ventricular isomyosin composition in the rat. Pauletto P, et al. **Am Heart J** 1985 Jun;109(6):1269-73

Effects of chronic digoxin treatment on cardiac function, electrolytes, and sarcolemmal ATPase in the canine failing heart due to chronic mitral regurgitation. Prasad K, et al. **Am Heart J** 1984 Dec;108(6):1487-94

Myocardial catecholamine balance during angina: effects of calcium entry blockers, verapamil and nifedipine. Rouleau JL, et al. **Am Heart J** 1985 Feb;109(2):201-9

Absence of myocardial biochemical toxicity with a nonionic contrast agent (iopamidol). Wisneski JA, et al. **Am Heart J** 1985 Sep;110(3):609-17

Cardiac metabolism and coronary hemodynamics before and after bypass surgery for anomalous origin of the left main coronary artery from the pulmonary trunk. Bagger JP, et al. **Am J Cardiol** 1985 Mar 1;55(6):864-5

Effects of amrinone on myocardial energetics in severe congestive heart failure. Baim DS. **Am J Cardiol** 1985 Jul 22;56(3):16B-18B

Suppression of arrhythmias within hours after a single oral dose of amiodarone and relation to plasma and myocardial concentrations. Escoubet B, et al. **Am J Cardiol** 1985 Mar 1;55(6):696-702

Identification of photoproducts liberated by in vitro argon laser irradiation of atherosclerotic plaque, calcified cardiac valves and myocardium. Isner JM, et al. **Am J Cardiol** 1985 Apr 15;55(9):1192-6

Hemodynamic and metabolic effects of diltiazem during coronary sinus pacing with particular reference to left ventricular ejection fraction. Josephson MA, et al. **Am J Cardiol** 1985 Feb 1;55(4):286-90

Block of sodium currents by antiarrhythmic agents: analysis of the electrophysiologic effects of propafenone in heart muscle. Kohlhardt M. **Am J Cardiol** 1984 Nov 14; 54(9):13D-19D

Effect of beta-adrenergic blockade on biochemical and metabolic response to exercise. Opie LH. **Am J Cardiol** 1985 Apr 26;55(10):95D-100D (37 ref.)

Effects of nicardipine and nisoldipine on myocardial metabolism, coronary blood flow and oxygen supply in angina pectoris. Rousseau MF, et al. **Am J Cardiol** 1984 Dec 1;54(10):1189-94

Proceedings of a symposium: Calcium metabolism and calcium channel blockers for understanding and treating hypertension. Bühler FR, et al. **Am J Med** 1984 Dec 28; 77(6B):1-23

Polarographic measurement of ascorbate washout in isolated perfused rabbit hearts. Arts T, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H150-4

A comparison of ascorbate and glucose transport in the heart. Bassingthwaighte JB, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H141-9

Injection of guanosine 5'-cyclic monophosphate into heart cells blocks calcium slow channels. Bkaily G, et al. **Am J Physiol** 1985 May;248(5 Pt 2):H745-9

Greater ATP dependence than sodium dependence of radiocalcium efflux in bullfrog ventricle. Brommundt G, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C129-39

Phospholipase D increases cell surface Ca2+ binding and positive inotropy in rat heart. Burt JM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H880-5

Local endogenous opiate activity in dog myocardium: receptor blockade with naloxone. Caffrey JL, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H382-8

Crystalloid and perfluorochemical perfusates in an isolated working rabbit heart preparation. Chemnitius JM, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H285-92

Effect of redox potential on protein degradation in perfused rat heart. Chua BH, et al. **Am J Physiol** 1985 Jun;248(6 Pt 1):E726-31

Release of natriuretic factor from rat heart-lung preparation by atrial distension. Dietz JR. **Am J Physiol** 1984 Dec;247(6 Pt 2):R1093-6

Perinatal nutritional modification of weanling rat heart contractile protein. Dowell RT, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H967-72

Saxitoxin binding and 'fast' sodium channel inhibition in sheep heart plasma membrane. Doyle DD, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H328-36

Adult cardiac myocytes in primary culture: cell characteristics and insulin-receptor interaction. Eckel J, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H212-21

Chronic infarction decreases maximum cardiac work and sensitivity of heart to extracellular calcium. Fellenius E, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H80-7

Nicotine increases heart adenosine release, oxygen consumption, and contractility. Fenton RA, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H463-9

Cardiac mechanics and energetics: chemomechanical transduction in cardiac muscle. Gibbs CL, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H199-206 (67 ref.)

Effect of pacing on oxygen supply-to-consumption ratio in ischemic myocardium. Grover GJ, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H249-54

Validation of 3-deoxy-3-fluoro-D-glucose as a glucose transport analogue in rat heart. Halama JR, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H754-9

Myocardial adenine pool depletion and recovery of mechanical function following ischemia. Humphrey SM, et al. **Am J Physiol** 1985 May;248(5 Pt 2):H644-51

Effects of dipyridamole on myocardial adenosine and active hyperemia. Knabb RM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H804-10

Effects of anoxia and ischemia on thallium exchange in rabbit myocardium. Krivokapich J, et al. **Am J Physiol** 1985 Sep; 249(3 Pt 2):H620-8

Stimulation of lipolysis in rat heart myocytes by isoproterenol. Kryski A Jr, et al. **Am J Physiol** 1985 Feb; 248(2 Pt 2):H208-16

Nitrendipine: effects on vascular responses and myocardial binding. McBride W, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H775-83

Isomyosin and thyroid hormone levels in pressure-overloaded weanling and adult rat hearts. Martin AF, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H305-10

Relationship between type L hormone-sensitive lipase and endogenous triacylglycerol in rat heart. Miller WC, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):R621-5

alpha 1-Receptor localization in rat heart and kidney using autoradiography. Muntz KH, et al. **Am J Physiol** 1985 Sep; 249(3 Pt 2):H512-9

O2 reserve of left ventricle of isolated, saline-perfused rabbit heart. Paradise NF, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H861-8

Passive calcium-buffering capacity of a rabbit ventricular homogenate preparation. Pierce GN, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C248-55

Potassium-chloride cotransport in cultured chick heart cells. Piwnica-Worms D, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C337-44

Transmembrane potassium fluxes in isolated feline ventricular myocytes. Silver LH, et al. **Am J Physiol** 1985 May;248(5 Pt 2):H614-21

Low sodium attenuation of the Ca2+ paradox in the newborn rabbit myocardium. Uemura S, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H345-9

Cardiac noradrenalin in relation to protein malnutrition in chronic experimental Chagas' disease in the rat. Machado CR, et al. **Am J Trop Med Hyg** 1984 Sep;33(5):835-8

Effects of gastric distention-volvulus on coronary blood flow and myocardial oxygen consumption in the dog. Horne WA, et al. **Am J Vet Res** 1985 Jan;46(1):98-104

Comparison of crystalloid and sanguineous cardioplegic solutions in the dog. Spackman CJ, et al. **Am J Vet Res** 1985 Jun;46(6):1330-4

Oxygen consumption of mammalian myocardial cells in culture: measurements in beating cells attached to the substrate of the culture dish. Yamada T, et al. **Anal Biochem** 1985 Mar;145(2):302-7

The effects of nitrous oxide on myocardial metabolism and hemodynamics during fentanyl or enflurane anesthesia in patients with coronary disease. Moffitt EA, et al. **Anesth Analg** 1984 Dec;63(12):1071-5

Regional myocardial lidocaine concentration determines the antidysrhythmic effect in dogs after coronary artery occlusion. Davis RF, et al. **Anesthesiology** 1985 Feb; 62(2):155-60

Different effects of thiopental in severe hypoxia, total ischemia, and low-flow ischemia in rat heart muscle. Ruigrok TJ, et al. **Anesthesiology** 1985 Aug;63(2):172-8

Computer simulation of metabolism in palmitate-perfused rat heart. I. Palmitate oxidation. Kohn MC, et al. **Ann Biomed Eng** 1983;11(5):361-84

Computer simulation of metabolism in palmitate-perfused rat heart. II. Behavior of complete model. Kohn MC, et al. **Ann Biomed Eng** 1983;11(6):511-31 (66 ref.)

Computer simulation of metabolism in palmitate-perfused rat heart. III. Sensitivity analysis. Kohn MC. **Ann Biomed Eng** 1983;11(6):533-49

Perioperative beta blockade with propranolol: reduction in myocardial oxygen demands and incidence of atrial and ventricular arrhythmias. Hammon JW Jr, et al. **Ann Thorac Surg** 1984 Oct;38(4):363-7

Effects of coenzyme Q10 added to a potassium cardioplegic solution for myocardial protection during ischemic cardiac arrest. Mori F, et al. **Ann Thorac Surg** 1985 Jan;39(1):30-6

Effect of carnitine on myocardial function and metabolism following global ischemia. Silverman NA, et al. **Ann Thorac Surg** 1985 Jul;40(1):20-4

Respiratory control and the integration of heart high-energy phosphate metabolism by mitochondrial creatine kinase. Jacobus WE. **Annu Rev Physiol** 1985;47:707-25 (85 ref.)

Nucleotide metabolism and cellular damage in myocardial ischemia. Jennings RB, et al. **Annu Rev Physiol** 1985; 47:727-49 (146 ref.)

Purine salvage pathways in myocardium. Manfredi JP, et al. **Annu Rev Physiol** 1985;47:691-705 (111 ref.)

Myocardial nucleotide transport. Rovetto MJ. **Annu Rev Physiol** 1985;47:605-16 (61 ref.)

Extracellular functions of nucleotides in heart and blood vessels. Su C. **Annu Rev Physiol** 1985;47:665-76 (85 ref.)

Concentrations of fusidic acid, cloxacillin, and cefamandole in sera and atrial appendages of patients undergoing cardiac surgery. Bergeron MG, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):928-32

Comparative penetration of cefonicid and cefazolin into the atrial appendage and pericardial fluid of patients undergoing open-heart surgery. Dudley MN, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):347-50

Moxalactam penetration into normal heart valve, cardiac vegetations, and myocardium in relation to protein binding and physiological distribution spaces. Fitzpatrick BC, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):228-30

Comparative pharmacokinetics of ceftazidime in fibrin clots and cardiac vegetations in rabbits with Staphylococcus aureus endocarditis. McColm AA, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):925-7

Penetration of moxalactam and cefazolin into atrial appendage after simultaneous intramuscular or intravenous administration. Polk RE, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):201-3

Modulation of uncoupler-induced sugar uptake in isolated adult rat heart cells by isoproterenol. Haworth RA, et al. Arch **Biochem Biophys** 1985 May 15;239(1):191-9

Characterization of phorbol diester binding to isolated cardiac myocytes. Limas CJ. **Arch Biochem Biophys** 1985 Apr;238(1):300-4

Amino acid sequence of the phosphorylation site of bovine cardiac myosin light chain. Lukas TJ, et al. **Arch Biochem Biophys** 1985 May 1;238(2):664-9

Insulin stimulates generation of intracellular mediators in rat heart. Macaulay SL, et al. **Arch Biochem Biophys** 1985 Sep; 241(2):432-7

Interrelation between salvage of purine nucleotides and protein synthesis in rat heart cells. Ravid K, et al. **Arch Biochem Biophys** 1985 Jan;236(1):159-66

Electromechanical dissociation and possible uncoupling of phosphorylation following tachydysrhythmogenic dose of amrinone in the guinea-pig Langendorff heart preparation. Onuaguluchi G, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):81-97

Cardiotoxicity of high doses of isoproterenol on cardiac haemodynamics and metabolism in SHR and WKY rats. Tisné-Versailles J, et al. **Arch Int Pharmacodyn Ther** 1985 Jan;273(1):142-54

Beta-adrenergic receptors in rat myocardium during the development and reversal of hypertrophy and following chronic infusions of angiotensin II and epinephrine. Upsher ME, et al. **Arch Int Pharmacodyn Ther** 1985 Mar; 274(1):65-79

Norepinephrine turnover in the heart and blood vessels of rats subjected to bilateral renal infarction. Kurnjek ML, et al. **Arch Int Physiol Biochim** 1984 Aug;92(2):53-63

Myocardial dysfunction in septic shock. Carmona RH, et al. **Arch Surg** 1985 Jan;120(1):30-5

Sex differences in the cellular defence system against free radicals from oxygen or drug metabolites in rat. Julicher RH, et al. **Arch Toxicol** 1984 Dec;56(2):83-6

The content of carbon monoxide in the tissues of rats intoxicated with carbon monoxide in various conditions of acute exposure. Sokal JA, et al. **Arch Toxicol** 1984 Dec; 56(2):106-8

Cardiac hypertrophy in the dog and rat induced by oxfenicine, an agent which modifies muscle metabolism. Greaves P, et al. **Arch Toxicol [Suppl]** 1984;7:488-93

Characterization of vasodilators by comparison of their effects on blood pressure, counterregulation and myocardial oxygen demand in conscious normotensive dogs. Bacher S, et al. **Arzneimittelforsch** 1985; 35(1A):288-91

Effect of centhaquine on spontaneous and evoked norepinephrine release from isolated perfused rabbit heart. Bhatnagar M, et al. **Arzneimittelforschung** 1985;35(4):693-7

Myocellular calcium regulation by the sarcolemmal membrane in the adult and immature rabbit heart. Boucek RJ Jr, et al. **Basic Res Cardiol** 1985 May-Jun;80(3):316-25

Alterations in the heart sarcolemmal Ca2+ transport activity by some beta-adrenergic antagonists. Dzurba A, et al. **Basic Res Cardiol** 1984 Nov-Dec;79(6):620-6

The insulin receptor of adult heart muscle cells. Eckel J, et al. **Basic Res Cardiol** 1985;80 Suppl 1:61-4

Inhibition of the Na pump—a mechanism in the genesis of cardiac arrhythmias. Glitsch HG. **Basic Res Cardiol** 1984 Nov-Dec;79(6):611-9

Adenosine-induced increase in myocardial adenine nucleotides without adenosine-induced systemic hypotension. Isselhard W, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):47-57

Reduced number of digitalis receptor sites in the hypertrophied pig myocardium. Khatter JC, et al. **Basic Res Cardiol** 1984 Jul-Aug;79(4):396-401

Effects of recurrent ischemia on myocardial high energy phosphate content in canine hearts. Lange R, et al. **Basic Res Cardiol** 1984 Jul-Aug;79(4):469-78

Estimates of free-radical production in rat and swine hearts: method and application of measuring malondialdehyde levels in fresh and frozen myocardium. Liedtke AJ, et al. **Basic Res Cardiol** 1984 Sep-Oct;79(5):513-8

Effect of beta-adrenergic stimulation on free fatty acid content in subepicardial and subendocardial layers of the dog heart in situ. Separation and assay by capillary gas chromatography. Al Makdessi S, et al. **Basic Res Cardiol** 1985 Mar-Apr;80(2):182-90

Kinetics of cellular uptake of tracers used in myocardial scintigraphy. Rauch B, et al. **Basic Res Cardiol** 1985;80 Suppl 1:65-8

The possible role of phospholipase A2 in cardiac membrane destabilization under calcium overload conditions. Saxon ME, et al. **Basic Res Cardiol** 1984 Nov-Dec;79(6):668-78

Dihydroergotoxine, an ergot alkaloid without marked hypotensive effect, improves blood flow and metabolism in the underperfused canine myocardium. Seitelberger R, et al. **Basic Res Cardiol** 1985 May-Jun;80(3):260-8

Decrease in ventricular beta-adrenergic receptors in trained diabetic rats. Sylvestre-Gervais L, et al. **Basic Res Cardiol** 1984 Jul-Aug;79(4):432-9

Uncoupler- and hypoxia-induced damage in the working rat heart and its treatment. I. Observations with uncouplers of oxidative phosphorylation. Veit P, et al. **Basic Res Cardiol** 1985 Mar-Apr;80(2):107-15

Interactions of quinidine and lidocaine with rat brain and heart muscarinic receptors. Cohen-Armon M, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):326-32

Atriopeptin release from the isolated perfused rabbit heart. Currie MG, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):711-7

Analysis of thyroid hormone effects on myosin heavy chain gene expression in cardiac and soleus muscles using a novel dot-blot mRNA assay. Gustafson TA, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1161-7

Effect of doxorubicin-enhanced hydrogen peroxide and hydroxyl radical formation on calcium sequestration by cardiac sarcoplasmic reticulum. Harris RN, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):739-45

Specific binding sites for atrial natriuretic peptide (ANP) in cultured mesenchymal nonmyocardial cells from rat heart. Hirata Y, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):222-9

Calcium exposure required for full expression of injury in the calcium paradox. Hunt WG, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):901-4

Opiate binding in rat hearts: modulation of binding after hemorrhagic shock. Krumins SA, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):120-8

Carbachol induces desensitization of cardiac beta-adrenergic receptors through muscarinic M1 receptors. Limas CJ, et al. **Biochem Biophys Res Commun** 1985 Apr 30; 128(2):699-704

Effect of anthracyclines and mitoxantrone on oxygen uptake and ATP intracellular concentration in rat heart slices. Neri B, et al. **Biochem Biophys Res Commun** 1984 Dec 28; 125(3):954-60

The calcium-ryanodine receptor complex of skeletal and cardiac muscle. Pessah IN, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):449-56

Reactive oxygen species may cause myocardial reperfusion injury. Peterson DA, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):87-93

High and low affinity states of the dihydropyridine and phenylalkylamine receptors on the cardiac calcium channel and their interconversion by divalent cations. Ptasienski J, et al. **Biochem Biophys Res Commun** 1985 Jun 28; 129(3):910-7

Activation of the voltage-dependent Ca2+ channel in rat heart cells by dihydropyridine derivatives. Renaud JF, et al. **Biochem Biophys Res Commun** 1984 Nov 30; 125(1):405-12

Alpha-human atrial natriuretic polypeptide is released from the heart and circulates in the body. Sugawara A, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):439-46

Atrial natriuretic polypeptides (ANP): rat atria store high molecular weight precursor but secrete processed peptides of 25-35 amino acids. Vuolteenaho O, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):82-8

Influence of myocardial isomyosins on cardiac performance and oxygen consumption. Wikman-Coffelt J, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1314-23

Profile of the oppositely acting enantiomers of the dihydropyridine 202-791 in cardiac preparations: receptor binding, electrophysiological, and pharmacological studies. Williams JS, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):13-21

Acute effects of ethanol on production & disposal of adenosine from rat myocardium. Anand CV, et al. **Biochem Int** 1985 Feb;10(2):311-7

Molecular species of diacylphosphatidylethanolamine in rat and mouse heart given the same diet. Montfoort A, et al. **Biochem Int** 1983 May;6(5):569-80

Phosphorylation and functional modifications of sarcoplasmic reticulum and myofibrils in isolated rabbit hearts stimulated with isoprenaline. Kranias EG, et al. **Biochem J** 1985 Feb 15;226(1):113-21

Some hormonal effects on myocardial phosphate efflux. Medina G, et al. **Biochem J** 1984 Nov 15;224(1):153-62

Relationship between type L hormone-sensitive lipase activity and endogenous triacylglycerol in the hearts of colchicine-treated rats. Miller WC, et al. **Biochem J** 1984 Dec 15;224(3):793-8

Cardiac sarcoplasmic-reticulum calmodulin-binding proteins. Modulation of calmodulin binding to phospholamban by phosphorylation. Molla A, et al. **Biochem J** 1985 Mar 15;226(3):859-65

The discovery of a rapidly metabolized polymeric tetraphosphate derivative of adenosine in perfused rat heart. Mowbray J, et al. **Biochem J** 1984 Nov 1;223(3):627-32

Regional variation and differential sensitivity of rat heart protein synthesis in vivo and in vitro. Preedy VR, et al. **Biochem J** 1985 Jan 15;225(2):487-92

Preferential distribution of non-esterified fatty acids to phosphatidylcholine in the neonatal mammalian myocardium. Schroedl NA, et al. **Biochem J** 1984 Dec 1; 224(2):651-9

Two mechanisms produce tissue-specific inhibition of fatty acid oxidation by oxfenicine. Stephens TW, et al. **Biochem J** 1985 Apr 15;227(2):651-60

Characterization of digoxin binding and daunorubicin uptake by isolated mature rat cardiac myocytes. Capps NE, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1957-61

Effects of doxorubicin and verapamil on calcium uptake in primary cultures of rat myocardial cells. Combs AB, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1115-6

Doxorubicin induced alterations in lipid metabolism of cultured myocardial cells. Demant EJ, et al. **Biochem Pharmacol** 1985 May 15;34(10):1741-6

Effects of guanethidine on electron transport and proton movements in rat heart, brain and liver mitochondria. Ferreira J, et al. **Biochem Pharmacol** 1985 Jul 15; 34(14):2507-12

Stimulation by doxorubicin of adrenochrome formation by bovine heart sarcolemma. Georgountzos A, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3707-9

Effect of tolbutamide on myocardial energy metabolism of the ischemic heart. Lampson WG, et al. **Biochem Pharmacol** 1985 Mar 15;34(6):803-9

Energy metabolism of cardiac cell cultures during oxygen deprivation: effects of creatine and arachidonic acid. Millanvoye-Van Brussel E, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):145-7

Stimulation of canine cardiac sarcoplasmic reticulum Ca2+ uptake by dihydropyridine Ca2+ antagonists. Movsesian MA, et al. **Biochem Pharmacol** 1985 Jan 15;34(2):195-201

Altered in vitro uptake of norepinephrine by cardiovascular tissues of young spontaneously hypertensive rats. Rho JH.

et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3906–9

Comparison of high affinity binding of calcium channel blocking drugs to vascular smooth muscle and cardiac sarcolemmal membranes. Sarmiento JG, et al. **Biochem Pharmacol** 1984 Oct 15;33(20):3119–23

Binding of phospholipase A2 to isolated heart muscle. Soons KR, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3914–7

A possible action of nicardipine on the cardiac sarcolemmal Na+-Ca2+ exchange. Takeo S, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2303–8

Free radical production from normal and adriamycin-treated rat cardiac sarcosomes. Thornalley PJ, et al. **Biochem Pharmacol** 1985 Mar 1;34(5):669–74

Use of gated perfusion to study early effects of anoxia on cardiac energy metabolism: a new 31P NMR method. Barbour RL, et al. **Biochemistry** 1984 Dec 4;23(25):6053–62

Control of energy production in the heart: a new function for fatty acid binding protein. Fournier NC, et al. **Biochemistry** 1985 Apr 23;24(9):2387–96

Identification of plasmalogen as the major phospholipid constituent of cardiac sarcoplasmic reticulum. Gross RW. **Biochemistry** 1985 Mar 26;24(7):1662–8

Ontogenesis of physiological responsiveness and guanine nucleotide sensitivity of cardiac muscarinic receptors during chick embryonic development. Halvorsen SW, et al. **Biochemistry** 1984 Nov 20;23(24):5813–21

Spectroscopic studies of the interactions of coenzymes and coenzyme fragments with pig heart, oxidized triphosphopyridine nucleotide specific isocitrate dehydrogenase. Mas MT, et al. **Biochemistry** 1985 Mar 26; 24(7):1634–46

Carbon-13 nuclear magnetic resonance studies of myocardial glycogen metabolism in live guinea pigs. Neurohr KJ, et al. **Biochemistry** 1984 Oct 9;23(21):5029–35

Myocardial S-adenosylhomocysteine hydrolase is important for adenosine production during normoxia. Achterberg PW, et al. **Biochim Biophys Acta** 1985 Jul 5;840(3):393–400

Calcium binding to cardiac myocytes protected from proteolytic enzyme activity. Bailey LE, et al. **Biochim Biophys Acta** 1985 Apr 17;839(2):199–208

Regulation of glucose transport in Ca2+-tolerant myocytes from adult rat heart. Bihler I, et al. **Biochim Biophys Acta** 1985 Aug 30;846(2):208–15

Sarcolemmal glucose transport in Ca2+-tolerant myocytes from adult rat heart. Calcium dependence of insulin action. Bihler I, et al. **Biochim Biophys Acta** 1985 Jan 18; 844(1):9–18

5'-Nucleotidase activity of isolated mature rat cardiac myocytes. Bowditch J, et al. **Biochim Biophys Acta** 1985 Apr 22;845(1):21–6

Accumulation and salvage of adenosine and inosine by isolated mature cardiac myocytes. Bowditch J, et al. **Biochim Biophys Acta** 1985 Feb 21;844(2):119–28

Metabolism and salvage of adenine and hypoxanthine by myocytes isolated from mature rat heart. Brown AK, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):469–76

Mechanism of action of ryanodine on cardiac sarcoplasmic reticulum. Feher JJ, et al. **Biochim Biophys Acta** 1985 Feb 28;813(1):77–86

Involvement of superoxide radicals on adrenochrome formation stimulated by arachidonic acid in bovine heart sarcolemmal vesicles. Guarnieri C, et al. **Biochim Biophys Acta** 1985 Mar 8;838(3):355–60

Phosphorylation of ventricular sarcolemmal membranes does not alter binding properties of nitrendipine. Hayes JS, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):313–20

Regulation of energy flux through the creatine kinase reaction in vitro and in perfused rat heart. 31P-NMR studies. Kupriyanov VV, et al. **Biochim Biophys Acta** 1984 Dec 11;805(4):319–31

alpha-Adrenergic stimulation of trans-sarcolemma electron efflux in perfused rat heart. Possible regulation of Ca2+-channels by a sarcolemma redox system. Löw H, et al. **Biochim Biophys Acta** 1985 Feb 21;844(2):142–8

Characteristics of adenosine binding sites in atrial sarcolemmal membranes. Michaelis ML, et al. **Biochim Biophys Acta** 1985 Jun 27;816(2):241–50

Na+-H+ exchange in cardiac sarcolemmal vesicles. Pierce GN, et al. **Biochim Biophys Acta** 1985 Aug 27;818(2):109–16

Effect of acetate and octanoate on tricarboxylic acid cycle metabolite disposal during propionate oxidation in the perfused rat heart. Sundqvist KE, et al. **Biochim Biophys Acta** 1984 Oct 16;801(3):429–36

Na+-dependent alkaline earth metal uptake in cardiac sarcolemmal vesicles. Tibbits GF, et al. **Biochim Biophys Acta** 1985 Jul 25;817(2):327–32

Effects of insulin on the metabolism of the isolated working rat heart perfused with undiluted rat blood. Topping DL, et al. **Biochim Biophys Acta** 1985 Feb 21;844(2):113–8

Reconstitution of the glucose transporter from bovine heart. Wheeler TJ, et al. **Biochim Biophys Acta** 1985 Aug 27; 818(2):171–82

Early effects of triidothyronine on the complexity of rat heart messenger RNAs. Raymondjean M, et al. **Biochimie** 1984 Sep-Oct;66(9–10):601–8

Beta-adrenergic receptor interaction with guanosine triphosphate in fetal rabbit myocardial membranes. Hatjis CG. **Biol Neonate** 1984;46(5):254–60

Myocardial lipid peroxidation during isoproterenol-induced blood flow reduction in rat myocardium. Blasig IE, et al. **Biomed Biochim Acta** 1984;43(8–9):S171–4

23Na and 39K nuclear magnetic resonance studies of perfused rat hearts. Discrimination of intra- and extracellular ions using a shift reagent. Pike MM, et al. **Biophys J** 1985 Jul; 48(1):159–73

A possible adenine nucleotide storage form in normal and ischaemic rat heart. Fitt PS, et al. **Biosci Rep** 1985 Jan; 5(1):7–12

Effects of nicardipine on coronary blood flow, left ventricular inotropic state and myocardial metabolism in patients with angina pectoris. Rousseau MF, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:147S–157S

Comparison of negative inotropic potency, reversibility, and effects on calcium influx of six calcium channel antagonists in cultured myocardial cells. Barry WH, et al. **Br J Pharmacol** 1985 May;85(1):51–9

Solubilization and characterization of guanine nucleotide-sensitive muscarinic agonist binding sites from rat myocardium. Berrie CP, et al. **Br J Pharmacol** 1984 Aug;82(4):853–61

Effect of alpha-adrenoceptor antagonists (phentolamine, nicergoline and prazosin) on reperfusion arrhythmias and noradrenaline release in perfused rat heart. Bralet J, et al. **Br J Pharmacol** 1985 Jan;84(1):9–18

Adenosine-induced coronary release of prostacyclin at normal and low pH in isolated heart of rabbit. Ciabattoni G, et al. **Br J Pharmacol** 1985 Jun;85(2):557–63

Relationship between the stereoselective negative inotropic effects of verapamil enantiomers and their binding to putative calcium channels in human heart. Ferry DR, et al. **Br J Pharmacol** 1985 Apr;84(4):811–24

The determination of presynaptic KA values of methacholine and pilocarpine and of a presynaptic receptor reserve in the rat perfused heart. Fuchs P, et al. **Br J Pharmacol** 1985 Jan;84(1):35–46

The influence of digoxin antibodies on digoxin disposition and effect: studies in guinea-pigs and HeLa cells. Griffiths NM, et al. **Br J Pharmacol** 1985 Jan;84(1):157–63

The effects of milrinone and piroximone on intracellular calcium handling in working myocardium from the ferret. Gwathmey JK, et al. **Br J Pharmacol** 1985 May; 85(1):97–108

Sodium load and high affinity ouabain binding in rat and guinea-pig cardiac tissue. Herzig S, et al. **Br J Pharmacol** 1985 Mar;84(3):685–8

The relationship between coronary artery occlusion-induced arrhythmias and myocardial cyclic nucleotide levels in the anaesthetized rat. Kane KA, et al. **Br J Pharmacol** 1985 Jan;84(1):139–45

Interaction between the inhibitory action of acetylcholine and the alpha-adrenoceptor autoinhibitory feedback system on release of [3H]-noradrenaline from rat atria and rabbit ear artery. Loiacono RE, et al. **Br J Pharmacol** 1985 Mar; 84(3):697–705

Interference of sodium with [3H]-nitrendipine binding to cardiac membranes. Schwartz J, et al. **Br J Pharmacol** 1985 Feb;84(2):511–5

Myocardial metabolism and haemodynamic responses during high-dose fentanyl anaesthesia for coronary patients. Moffit EA, et al. **Can Anaesth Soc J** 1984 Nov;31(6):611–8

Effects of intubation on coronary blood flow and myocardial oxygenation. Moffitt EA, et al. **Can Anaesth Soc J** 1985 Mar;32(2):105–11

Myocardial metabolism and haemodynamic responses with enflurane anaesthesia for coronary artery surgery. Moffitt EA, et al. **Can Anaesth Soc J** 1984 Nov;31(6):604–10

The hydrolysis of phosphatidylcholine by phospholipase A2 in hamster heart. Tam SW, et al. **Can J Biochem Cell Biol** 1984 Dec;62(12):1269–74

Role of calcium in heart metabolism. Bihler I. **Can J Physiol Pharmacol** 1984 Jul;62(7):884–90

Failure of gallamine and pancuronium to inhibit selectively (-)-[3H]quinuclidinyl benzilate binding in guinea-pig atria. Choo LK, et al. **Can J Physiol Pharmacol** 1985 Mar; 63(3):200–8

Metabolic and cyclic nucleotide enzyme activities in muscle and nonmuscle cells of rat heart during perinatal development. Dowell RT. **Can J Physiol Pharmacol** 1985 Jan;63(1):78–81

Low extracellular Ca2+ and enzyme release in the perfused rabbit heart. Fortier PA, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1158–65

Transmembrane calcium transport and the activation of cardiac contraction. Horackova M. **Can J Physiol Pharmacol** 1984 Jul;62(7):874–83

In vitro effects of hypoxia and (or) hypercapnic acidosis on the myocardial uptake of digoxin. Sautegeau A, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):344–6

Effects of electrical stimulation and an intracellular calcium chelator on calcium movement in suspensions of isolated myocardial muscle cells. Barritt GJ, et al. **Cardiovasc Res** 1985 Jun;19(6):370–7

Effects of myocardial catecholamine depletion on cellular electrophysiology and arrhythmias during ischaemia and reperfusion. Culling W, et al. **Cardiovasc Res** 1984 Nov; 18(11):675–82

Metabolic evidence of inadequate coronary blood flow during closed-chest resuscitation in dogs. Ditchey RV, et al. **Cardiovasc Res** 1985 Jul;19(7):419–25

Effects of long-term verapamil treatment on blood pressure, cardiac hypertrophy and collagen metabolism in spontaneously hypertensive rats. Ruskoaho HJ, et al. **Cardiovasc Res** 1985 Jun;19(6):355–62

Alpha-adrenoceptor stimulation, lysophosphoglycerides, and lipid peroxidation in reoxygenation induced calcium uptake in rabbit myocardium. Tones MA, et al. **Cardiovasc Res** 1985 Apr;19(4):228–36

Use of aequorin for the appraisal of the hypothesis of the release of calcium from the sarcoplasmic reticulum induced by a change of pH in skinned cardiac cells. Fabiato A. **Cell Calcium** 1985 Apr;6(1–2):95–108

Stimulatory effect of calcium chelators on Na+-Ca2+ exchange in cardiac sarcolemmal vesicles. Trosper TL, et al. **Cell Calcium** 1984 Jun;5(3):211–22

Distribution and colocalization of neuropeptide Y- and tyrosine hydroxylase-like immunoreactivity in the guinea-pig heart. Sternini C, et al. **Cell Tissue Res** 1985; 241(1):93–102

Comments on 'biochemical properties of membranes isolated from calcium-depleted rabbit hearts' [letter] Bersohn MM. **Circ Res** 1985 Feb;56(2):285–6

Evidence for a specific receptor site for lidocaine, quinidine, and bupivacaine associated with cardiac sodium channels in guinea pig ventricular myocardium. Clarkson CW, et al. **Circ Res** 1985 Apr;56(4):496–506

Release of endogenous catecholamines in the ischemic myocardium of the rat. Part B: Effect of sympathetic nerve stimulation. Dart AM, et al. **Circ Res** 1984 Nov;55(5):702–6

Transmural distribution of isomyosin in rabbit ventricle during maturation examined by immunofluorescence and staining for calcium-activated adenosine triphosphatase. Eisenberg BR, et al. **Circ Res** 1985 Apr;56(4):548–55

Efflux of metabolized and nonmetabolized fatty acid from canine myocardium. Implications for quantifying myocardial metabolism tomographically. Fox KA, et al. **Circ Res** 1985 Aug;57(2):232–43

New studies of the excitatory sodium currents in heart muscle. Fozzard HA, et al. **Circ Res** 1985 Apr;56(4):475–85 (127 ref.)

Effect of membrane depolarization on binding of [3H]nitrendipine to rat cardiac myocytes. Green FJ, et al. **Circ Res** 1985 Apr;56(4):576–85

The significance of the late fall in myocardial PCO2 and its relationship to myocardial pH after regional coronary occlusion in the dog. Khuri SF, et al. **Circ Res** 1985 Apr; 56(4):537–47

The effect of pH on cellular and membrane calcium binding and contraction of myocardium. A possible role for sarcolemmal phospholipid in EC coupling. Langer GA. **Circ Res** 1985 Sep;57(3):374–82

Inotropic effect, binding properties, and calcium flux effects of the calcium channel agonist CGP 28392 in intact cultured embryonic chick ventricular cells. Laurent S, et al. **Circ Res** 1985 May;56(5):676–82

Rapid recovery of cardiac beta-adrenergic receptors after isoproterenol-induced 'down'-regulation. Limas CJ, et al. **Circ Res** 1984 Oct;55(4):524–31

Influence of ribose, adenosine, and 'AICAR' on the rate of myocardial adenosine triphosphate synthesis during reperfusion after coronary artery occlusion in the dog. Mauser M, et al. **Circ Res** 1985 Feb;56(2):220–30

Limitations of tracer oxygen uptake in the canine coronary circulation. Rose CP, et al. **Circ Res** 1985 Jan;56(1):57–71

Release of endogenous catecholamines in the ischemic myocardium of the rat. Part A: Locally mediated release. Schömig A, et al. **Circ Res** 1984 Nov;55(5):689–701

Interaction of bretylium tosylate with rat cardiac muscarinic receptors. Possible pharmacological relevance to antiarrhythmic action. Schreiber G, et al. **Circ Res** 1984 Nov;55(5):653–9

Independence of myocardial oxygen consumption from pressure-volume trajectory during diastole in canine left ventricle. Suga H, et al. **Circ Res** 1984 Dec;55(6):734–9

Coronary venous perfusion of the ischemic myocardium during acute coronary artery occlusion in isolated rat hearts. Taira Y, et al. **Circ Res** 1985 May;56(5):666–75

Effects of Bay k 8644, a dihydropyridine analog, on [3H]nitrendipine binding to canine cardiac sarcolemma and the relationship to a positive inotropic effect. Vaghy PL, et al. **Circ Res** 1984 Oct;55(4):549–53

Regulation of cardiac contractile proteins. Correlations between physiology and biochemistry. Winegrad S. **Circ Res** 1984 Nov;55(5):565–74 (87 ref.)

Preservation of high-energy phosphates by verapamil in reperfused myocardium. Lange R, et al. **Circulation** 1984 Oct;70(4):734–41

Increase in myocardial oxygen consumption indexes by exercise training at onset of ischemia in patients with coronary artery disease. Laslett LJ, et al. **Circulation** 1985 May;71(5):958–62

Effects of milrinone on coronary hemodynamics and myocardial energetics in patients with congestive heart failure. Monrad ES, et al. **Circulation** 1985 May;71(5):972–9

Protection of hypoxic myocardium by intracoronary administration of verapamil in open-chest dogs. Mori H, et al. **Circulation** 1984 Oct;70(4):742–7

Preservation of myocardial function with mannitol reperfusate. Ouriel K, et al. **Circulation** 1985 Sep;72(3 Pt 2):II254–8

Metabolic fate of radioiodinated heptadecanoic acid in the normal canine heart. Visser FC, et al. **Circulation** 1985 Sep; 72(3):565–71

Angina pectoris with angiographically normal coronary arteries: a clinical, hemodynamic, and metabolic study. Berland J, et al. **Clin Cardiol** 1984 Sep;7(9):485–92

Potassium and the heart. Poole-Wilson PA.

EWARK PUBLIC LIBR

Clin Endocrinol Metab 1984 Jul;13(2):249-68 (115 ref.)

Cardiac hormones: morphological and functional aspects. Forssmann WG, et al. **Clin Exp Hypertens [A]** 1984; 6(10-11):1873-8

Alloimmune IgG binds and modulates cardiac beta-adrenoceptor activity. Sterin-Borda L, et al. **Clin Exp Immunol** 1984 Oct;58(1):223-8

Myocardial glutamate and alanine exchanges related to carbohydrate metabolism in patients with normal and stenotic coronary arteries. Thomassen A, et al. **Clin Physiol** 1984 Oct;4(5):425-34

Prolonged diving and recovery in the freshwater turtle, Pseudemys scripta--IV. Effects of profound acidosis on O2 consumption in turtle vs rat (mammalian) brain and heart slices. Caligiuri MA, et al. **Comp Biochem Physiol [A]** 1985;81(3):603-5

Effect of hypoxia on pig heart short-chain acylcarnitines. Valkner K, et al. **Comp Biochem Physiol [A]** 1985; 80(1):123-7

Adrenergic receptors of isolated snake atria. Chiu KW, et al. **Comp Biochem Physiol [C]** 1985;81(2):445-50

Hemodynamics and cardiac metabolism in experimental uremia. Kreusser W, et al. **Contrib Nephrol** 1984;41:262-5

Naloxone improves myocardial perfusion in hypovolemic shock. Tuggle DW, et al. **Curr Surg** 1985 May-Jun; 42(3):195-8

Time resolved assessment of ischemic myocardial tolerance in normothermia and hypothermia by 31P nuclear magnetic resonance. Walpoth B, et al. **Curr Surg** 1985 May-Jun; 42(3):198-201

Hyaluronate binding and degradation by cultured embryonic chick cardiac cushion and myocardial cells. Bernanke DH, et al. **Dev Biol** 1984 Dec;106(2):360-7

Developmental changes in adenylate cyclase activity in canine myocardium. Vulliemoz Y, et al. **Dev Pharmacol Ther** 1984;7(6):409-21

The effects of acute and chronic diabetes on myocardial metabolism in rats. Chen V, et al. **Diabetes** 1984 Nov; 33(11):1078-84

Abnormal myocardial calcium uptake in streptozocin-diabetic rats. Evidence for a direct insulin effect on catecholamine sensitivity. Gøtzsche O. **Diabetes** 1985 Mar;34(3):287-90

Effect of tolbutamide on myocardial metabolism and mechanical performance of the diabetic rat. Tan BH, et al. **Diabetes** 1984 Dec;33(12):1138-43

Effects of feed-pairing and different doses of doxorubicin on mortality and electrolyte changes in the mouse heart. Giri SN, et al. **Drug Chem Toxicol** 1984;7(2):193-212

Effects of verapamil on doxorubicin-induced mortality and electrolyte changes in the mouse heart. Giri SN, et al. **Drug Chem Toxicol** 1984;7(4):407-22

Effects of hypercholesterolemia on beta adrenoceptors in the rabbit heart. Mokler CM, et al. **Drug Nutr Interact** 1985; 3(3):165-72

Lack of preventive effect of 6-hydroxy-dopamine on a decrease of beta-adrenergic receptors induced by repeated stress in the heart of rats. Torda T, et al. **Endocrinol Exp (Bratisl)** 1985 Mar;19(1):47-51

Structural analysis and subunit interaction of insulin receptor from membranes of cultured embryonic chick heart cells. Endo F, et al. **Endocrinology** 1984 Nov;115(5):1828-37

Symposium on biology of cardiac overload. 7-9 July 1983, Jouy-en-Josas, France. **Eur Heart J** 1984 Dec;5 Suppl F:1-353

Influence of nifedipine on coronary haemodynamics and myocardial metabolism in coronary artery disease. Bagger JP, et al. **Eur Heart J** 1985 Jan;6(1):75-84

Myocardial function structure and collagen in the spontaneously hypertensive rat: progression from compensated hypertrophy to haemodynamic impairment. Bing OH, et al. **Eur Heart J** 1984 Dec;5 Suppl F:43-52

The dual effect of sodium ion on the digitalis-sodium pump interaction. Brody TM, et al. **Eur Heart J** 1984 Dec;5 Suppl F:291-6

Overall myocardial energetics in physiological conditions and in acute volume overloading. Bui-Mong-Hung, et al. **Eur Heart J** 1984 Dec;5 Suppl F:27-36

Evidence for two kinetically and functionally different types of cardiac glycoside receptors in the heart. Erdmann E, et al. **Eur Heart J** 1984 Dec;5 Suppl F:297-302

Preliminary characterization of molecules that increase cell free translational activity of cardiac cytoplasmic RNA. Hammond GL, et al. **Eur Heart J** 1984 Dec;5 Suppl F:225-9

Evidence for the macromolecular basis of regulation of heart hypertrophy. Jackowski G, et al. **Eur Heart J** 1984 Dec; 5 Suppl F:219-24

Digitalis receptors in cardiac cells and their relation with positive inotropic and cardiotoxic effects. Lazdunski M, et al. **Eur Heart J** 1984 Dec;5 Suppl F:281-90

Beta-adrenergic hormone-receptor interactions in the hypertrophied and failing myocardium. Limas CJ, et al. **Eur Heart J** 1984 Dec;5 Suppl F:329-37

Aortic pressure, substrate utilization and protein synthesis. Morgan HE, et al. **Eur Heart J** 1984 Dec;5 Suppl F:141-6

Cardiac contractile protein synthesis: does the pattern change in stress? Schreiber SS, et al. **Eur Heart J** 1984 Dec;5 Suppl F:163-9

Protein turnover in the in vitro perfused working rat heart. Sugden PH, et al. **Eur Heart J** 1984 Dec;5 Suppl F:147-53

Acute haemodynamic and myocardial metabolic effects of intravenous urapidil in severe heart failure. Wang RY, et al. **Eur Heart J** 1984 Sep;5(9):745-51

Gene expression in cardiac hypertrophy in rat and human heart muscle. Zähringer J, et al. **Eur Heart J** 1984 Dec; 5 Suppl F:199-210

Correlation between haemodynamic and metabolic changes in three models of experimental cardiac hypertrophy. Zimmer HG. **Eur Heart J** 1984 Dec;5 Suppl F:171-9

The role of the Na+/H+ exchange system in the regulation of the internal pH in cultured cardiac cells. Frelin C, et al. **Eur J Biochem** 1985 May 15;149(1):1-4

Characterization of the binding sites for nimodipine and (-)-desmethoxyverapamil in bovine cardiac sarcolemma. Ruth P, et al. **Eur J Biochem** 1985 Jul 15;150(2):313-22

Effect of adrenaline on myocardial oxygen consumption during selective and non-selective beta-adrenoceptor blockade comparison of atenolol and pindolol. Ihlen H, et al. **Eur J Clin Pharmacol** 1984;27(1):29-34

Do iodinated fatty acids undergo a nonspecific deiodination in the myocardium? Cuchet P, et al. **Eur J Nucl Med** 1985; 10(11-12):505-10

omega-123I-hexadecanoic acid metabolic probe of cardiomyopathy. Rabinovitch MA, et al. **Eur J Nucl Med** 1985;10(5-6):222-7

Metabolism of 15 (p 123I iodophenyl-)pentadecanoic acid in heart muscle and noncardiac tissues. Reske SN, et al. **Eur J Nucl Med** 1985;10(5-6):228-34

The myocardial elimination rate of radioiodinated heptadecanoic acid. Visser FC, et al. **Eur J Nucl Med** 1985; 10(3-4):118-22

Experimental studies on myocardial glucose metabolism of rats with 18F-2-fluoro-2-deoxy-D-glucose. Yamada K, et al. **Eur J Nucl Med** 1985;10(7-8):341-5

[3H]nitrendipine binding in the guinea pig left ventricle: effects of calcium and lanthanum. Fawzi AB, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):357-62

The effect of graded doses of norepinephrine on the O2 supply/consumption balance in ischemic and nonischemic rabbit myocardium. Grover GJ, et al. **Eur J Pharmacol** 1985 Jan 15;108(1):9-18

Effect of imipramine on calcium and potassium currents in isolated bovine ventricular myocytes. Isenberg G, et al. **Eur J Pharmacol** 1985 Jan 22;108(2):121-31

Gallamine binding to heart M2 cholinergic receptors does not antagonize cholinergic inhibition of adenylate cyclase in isolated plasma membrane. Jagadeesh G, et al. **Eur J Pharmacol** 1985 Feb 26;109(2):311-3

Enhanced ouabain sensitivity of the heart and myocardial sodium pump in aged rats. Katano Y, et al. **Eur J Pharmacol** 1984 Oct 1;105(1-2):95-103

Improvement in regional myocardial O2 supply and O2 consumption by nitroglycerin during ischemia. Kedem J, et al. **Eur J Pharmacol** 1985 May 28;112(1):47-55

Presence of presynaptic inhibitory alpha 1-adrenoceptors in the cardiac sympathetic nerves of the dog: effects of prazosin and yohimbine on sympathetic neurotransmission to the heart. Uchida W, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):51-6

Correlation of nitrendipine and Bay k 8644 binding to isolated canine heart sarcolemma with their pharmacological effects on the canine heart. Vaghy PL, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):373-4

Doxorubicin and covalently crosslinked doxorubicin derivatives binding to purified cardiac thin-filament proteins in vitro. Lewis W, et al. **Exp Mol Pathol** 1985 Aug;43(1):64-73

Changes in the cardiac glutathione status after ischemia and reperfusion. Curello S, et al. **Experientia** 1985 Jan 15; 41(1):42-3

Comparative analysis of phospholamban phosphorylation in crude membranes of vertebrate hearts. Will H, et al. **Experientia** 1985 Aug 15;41(8):1052-4

Cyclic AMP-dependent protein kinase and Ca2+-calmodulin stimulate the formation of polyphosphoinositides in a sarcoplasmic reticulum preparation of rabbit heart. Enyedi A, et al. **FEBS Lett** 1984 Oct 15;176(1):235-8

Glycogen metabolism: a 13C-NMR study on the isolated perfused rat heart. Lavanchy N, et al. **FEBS Lett** 1984 Dec 3;178(1).34-8

Inositol trisphosphate does not release Ca2+ from permeabilized cardiac myocytes and sarcoplasmic reticulum. Movsesian MA, et al. **FEBS Lett** 1985 Jun 17; 185(2):328-32

Characteristics of ATPase activity and the subunit composition of myosin in the conduction system of bovine heart. Tamura Y, et al. **FEBS Lett** 1984 Dec 10; 178(2):209-12

Epicardial, endocardial and transmural mapping in assessing electrophysiological effects of 14-C lidocaine and 14-C propafenone on activation times in experimental chronic myocardial infarction. Correlations with myocardial drugs concentrations. Naccarella FF, et al. **G Ital Cardiol** 1984 Oct;14(10):825-9

Biochemical derangements in ischemic myocardium: the role of carnitine. Siliprandi N, et al. **G Ital Cardiol** 1984 Oct; 14(10):804-8

Possible role of Na+ ions in intracellular Ca2+ release in frog auricular trabeculae. Bonvallet R, et al. **Gen Physiol Biophys** 1985 Apr;4(2):167-83

Behaviour of cardiac microsomal Ca2+ pump under conditions that may simulate pathological situations. Dhalla NS, et al. **Gen Physiol Biophys** 1985 Feb;4(1):15-27

Superprecipitation of hybrid actomyosin containing pathologic actin from failing hearts of adults and infants. Karsanov NV, et al. **Gen Physiol Biophys** 1985 Aug; 4(4):417-23

Effect of isoproterenol on protein phosphorylation in myocardial ischaemia. Krause EG, et al. **Gen Physiol Biophys** 1984 Jun;3(3):193-9

Calcium transport systems in cardiac sarcolemma and their regulation by the second messengers cyclic AMP and calcium-calmodulin. Lamers JM. **Gen Physiol Biophys** 1985 Apr;4(2):143-54

Possible mechanisms involved in the development of the calcium paradox. Ruigrok TJ. **Gen Physiol Biophys** 1985 Apr;4(2):155-65

Quantitative relationship between the protein secondary structure in cardiac sarcolemma and the activity of the membrane-bound Ca2+-ATPase. Vrbjar N, et al. **Gen Physiol Biophys** 1985 Aug;4(4):411-6

Secondary structure of heart sarcolemmal proteins during interaction with metallic cofactors of (Na+ + K+)-ATPase. Vrbjar N, et al. **Gen Physiol Biophys** 1984 Aug;3(4):317-25

Distribution of catecholamine-containing cells in the atrial region in rats and ground squirrels. Cottle MK. **Histochem J** 1984 Nov;16(11):1137-46

Calcium in myocardial tissue and isolated mitochondria from a teleost. Leknes IL, et al. **Histochemistry** 1984;81(2):149-51

Role of protein kinase and contractile force in the regulation of myocardial lipolysis. Rabin RA, et al. **Horm Metab Res** 1984 Sep;16(9):465-7

Synthesis of collagen in cardiac and vascular walls. Gilligan JP, et al. **Hypertension** 1984 Nov-Dec;6(6 Pt 2):III44-9 (72 ref.)

Depletion of myocardial potassium as a function of age and experimental necrosis. Asha Devi S. **Indian J Exp Biol** 1984 Mar;22(3):161-3

Some cardiac metabolic studies in experimental endotoxaemia. Siddiqui R, et al. **Indian J Med Res** 1984 Dec;80:699-702

Acetylcholine levels of rat brain and heart in starvation and protein restriction. Venkataraman BV, et al. **Indian J Physiol Pharmacol** 1984 Jul-Sep;28(3):223-6

Comparison of myocardial uptake and distribution of thallium-201 and two prototype receptor-binding radiopharmaceuticals in the normal and ischemic canine heart. Eckelman WC, et al. **Int J Nucl Med Biol** 1984; 11(3-4):287-90

Synthesis of high purity 11C labeled palmitic acid for measurement of regional myocardial perfusion and metabolism. Zielinski F, et al. **Int J Nucl Med Biol** 1984; 11(2):121-8

Nuclear magnetic resonance spectroscopy: its evolving role in the study of myocardial metabolism. Barrett EJ, et al. **J Am Coll Cardiol** 1985 Sep;6(3):497-501

The future of cardiovascular imaging: a shift from anatomy to in vivo biochemistry. Berger HJ, et al. **J Am Coll Cardiol** 1985 Mar;5(3):750-3 (24 ref.)

Cellular mechanism of action of cardiac glycosides. Fozzard HA, et al. **J Am Coll Cardiol** 1985 May;5(5 Suppl A):10A-15A (43 ref.)

Lactate metabolism in acute myocardial infarction and its relation to regional ventricular performance. Hattori R, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1283-91

Effects of digitalis on cell biochemistry: sodium pump inhibition. Katz AM. **J Am Coll Cardiol** 1985 May;5(5 Suppl A):16A-21A (19 ref.)

The conduction and cardiac sympathetic systems: metabolic aspects. Kübler W, et al. **J Am Coll Cardiol** 1985 Jun;5(6 Suppl):157B-161B

Myocardial energetics and clinical response to the cardiotonic agent MDL 17043 in advanced heart failure. Martin JL, et al. **J Am Coll Cardiol** 1984 Nov;4(5):875-83

Positron computed tomography and its applications in the young. Schelbert HR, et al. **J Am Coll Cardiol** 1985 Jan; 5(1 Suppl):140S-149S

Sustained regional abnormalities in cardiac metabolism after transient ischemia in the chronic dog model. Schwaiger M, et al. **J Am Coll Cardiol** 1985 Aug;6(2):336-47

Retention and clearance of C-11 palmitic acid in ischemic and reperfused canine myocardium. Schwaiger M, et al. **J Am Coll Cardiol** 1985 Aug;6(2):311-20

Measurement of regional myocardial blood flow with N-13 ammonia and positron-emission tomography in intact dogs. Shah A, et al. **J Am Coll Cardiol** 1985 Jan;5(1):92-100

Energy metabolism in reperfused heart muscle: metabolic correlates to return of function. Taegtmeyer H, et al. **J Am Coll Cardiol** 1985 Oct;6(4):864-70

Tissue digoxin concentrations and digoxin effect during the quinidine-digoxin interaction. Warner NJ, et al. **J Am Coll Cardiol** 1985 Mar;5(3):680-6

Effect of verapamil on pH of ischemic canine myocardium. Watson RM, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1347-54

Dual carbon-labeled isotope experiments using D-[6-14C] glucose and L-[1,2,3-13C3] lactate: a new approach for investigating human myocardial metabolism during ischemia. Wisneski JA, et al. **J Am Coll Cardiol** 1985 May; 5(5):1138-46

Biochemical characteristics of cardiac myosin: the pH dependence of Ca-ATPase activity, and that of the absorption spectrum of 2,4,6-trinitrophenyl groups attached to myosin. Kameyama S, et al.

J Biochem (Tokyo) 1985 Feb;97(2):625–32

Kinetic rates of tryptic digestion of bovine cardiac myofibrils. An improved measurement of cross-bridge dissociation. Azarcon AV, et al. **J Biol Chem** 1985 May 25; 260(10):6047–53

Reaction rates of creatine kinase and ATP synthesis in the isolated rat heart. A 31P NMR magnetization transfer study. Bittl JA, et al. **J Biol Chem** 1985 Mar 25; 260(6):3512–7

Regulation of myosin isoenzyme composition in fetal and neonatal rat ventricle by endogenous thyroid hormones. Chizzonite RA, et al. **J Biol Chem** 1984 Oct 25; 259(20):12628–32

Comparison of myosin heavy chains in atria and ventricles from hyperthyroid, hypothyroid, and euthyroid rabbits. Chizzonite RA, et al. **J Biol Chem** 1984 Dec 25; 259(24):15564–71

Adrenergic regulation of glucose metabolism in rat heart. A calcium-dependent mechanism mediated by both alpha- and beta-adrenergic receptors. Clark MG, et al. **J Biol Chem** 1984 Dec 25;259(24):15204–11

Characterization of verapamil binding sites in cardiac membrane vesicles. Garcia ML, et al. **J Biol Chem** 1984 Dec 25;259(24):15013–6

Phosphorylation of purified cardiac muscle C-protein by purified cAMP-dependent and endogenous Ca2+-calmodulin-dependent protein kinases. Hartzell HC, et al. **J Biol Chem** 1984 Dec 25;259(24):15587–96

Phosphorylation of phospholamban in intact myocardium. Role of Ca2+-calmodulin-dependent mechanisms. Lindemann JP, et al. **J Biol Chem** 1985 Apr 10; 260(7):4516–25

Rapid agonist-induced decrease of 125I-pindolol binding to beta-adrenergic receptors. Relationship to desensitization of cyclic AMP accumulation in intact heart cells. Linden J, et al. **J Biol Chem** 1984 Dec 25;259(24):15115–22

Guanine nucleotide regulation of a mammalian myocardial muscarinic receptor system. Evidence for homo- and heterotropic cooperativity in ligand binding analyzed by computer-assisted curve fitting. Mattera R, et al. **J Biol Chem** 1985 Jun 25;260(12):7410–21

Effects of fatty acids on Na+-Ca2+ exchange and Ca2+ permeability of cardiac sarcolemmal vesicles. Philipson KD, et al. **J Biol Chem** 1985 Aug 15;260(17):9666–71

Interaction of charged amphiphiles with Na+-Ca2+ exchange in cardiac sarcolemmal vesicles. Philipson KD. **J Biol Chem** 1984 Nov 25;259(22):13999–4002

Isoproterenol-induced phosphorylation of a 15-kilodalton sarcolemmal protein in intact myocardium. Presti CF, et al. **J Biol Chem** 1985 Mar 25;260(6):3860–7

Demonstration of a Na+/H+ exchange activity in purified canine cardiac sarcolemmal vesicles. Seiler SM, et al. **J Biol Chem** 1985 Apr 25;260(8):4869–76

Metabolic studies of pyruvate- and lactate-perfused guinea pig hearts by 13C NMR. Determination of substrate preference by glutamate isotopomer distribution. Sherry AD, et al. **J Biol Chem** 1985 Aug 5;260(16):9272–9

Partial functional reconstitution of the cardiac muscarinic cholinergic receptor. Shreeve SM, et al. **J Biol Chem** 1984 Oct 25;259(20):12398–402

Correct NH2-terminal processing of cardiac muscle alpha-isoactin (class II) in a nonmuscle mouse cell. Solomon LR, et al. **J Biol Chem** 1985 Jun 25; 260(12):7659–64

Nucleotide specificity of cardiac sarcoplasmic reticulum. GTP-induced calcium accumulation and GTPase activity. Tate CA, et al. **J Biol Chem** 1985 Aug 15;260(17):9618–23

Insulin action on glucose transport in cardiac muscle. Watanabe T, et al. **J Biol Chem** 1984 Nov 10; 259(21):13117–22

NMR studies of intracellular sodium ions in mammalian cardiac myocytes. Wittenberg BA, et al. **J Biol Chem** 1985 Feb 25;260(4):2031–4

Relationships between membrane lipid composition and biological properties of rat myocytes. Effects of aging and manipulation of lipid composition. Yechiel E, et al. **J Biol Chem** 1985 Aug 5;260(16):9123–31

Lateral mobility and organization of phospholipids and proteins in rat myocyte membranes. Effects of aging and manipulation of lipid composition. Yechiel E, et al. **J Biol Chem** 1985 Aug 5;260(16):9132–6

Comparative metabolic effects of halothane and enflurane in rat heart cell culture. Albrecht RF, et al. **J Cardiovasc Pharmacol** 1985 Jul–Aug;7(4):799–804

Myocardial bethanidine kinetics after single-dose intravenous infusion: correlation with plasma kinetics in closed-chest dogs. Anderson JL, et al. **J Cardiovasc Pharmacol** 1985 May–Jun;7(3):609–12

Human cardiac beta-adrenoceptors: both beta 1- and beta 2-adrenoceptors are functionally coupled to the adenylate cyclase in right atrium. Brodde OE, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec;6(6):1184–91

Liposome kinetics in infarcted canine myocardium. Caride VJ, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec; 6(6):996–1005

Local release of myocardial norepinephrine during acute ischemia: an experimental study in the isolated perfused rat heart. Carlsson L, et al. **J Cardiovasc Pharmacol** 1985 Jul–Aug;7(4):791–8

Half-life of digoxin in myocardium after stopping maintenance treatment. Griffiths BE, et al. **J Cardiovasc Pharmacol** 1985 May–Jun;7(3):604–8

Effects of nicardipine, a dihydropyridine calcium antagonist, on regional myocardial blood flow, myocardial oxygen tension, and electrical abnormalities during acute coronary artery occlusion in dogs. Hashimoto H, et al. **J Cardiovasc Pharmacol** 1985 Jul–Aug;7(4):613–21

Two classes of myocardial 5-hydroxytryptamine receptors that are neither 5-HT1 nor 5-HT2. Kaumann AJ. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S76–8

Nitroglycerin improves the distribution of regional oxygenation in partially ischemic canine myocardium. Kedem J, et al. **J Cardiovasc Pharmacol** 1985 Jul–Aug; 7(4):760–6

Hemodynamic and myocardial metabolic effects of the beta-agonist prenalterol in ischemic left ventricular dysfunction. Kirlin PC, et al. **J Cardiovasc Pharmacol** 1984 Sep–Oct;6(5):852–8

Inhibitory effect of calcium antagonists on the depletion of cardiac norepinephrine during postischemic reperfusion. Nayler WG, et al. **J Cardiovasc Pharmacol** 1985 May–Jun; 7(3):581–7

Sympathetic control of myocardial oxygen balance in dogs mediated by activation of coronary vascular alpha 2-adrenoceptors. Saeed M, et al. **J Cardiovasc Pharmacol** 1985 Jan–Feb;7(1):167–73

Positive inotropic and electrophysiological effects of APP 201-533 can be explained by an increase of cardiac cyclic AMP. Scholtysik G, et al. **J Cardiovasc Pharmacol** 1985 May–Jun;7(3):597–603

Disopyramide and quinidine bind with inverse selectivity to muscarinic receptors in cardiac and extracardiac rat tissues. Schreiber G, et al. **J Cardiovasc Pharmacol** 1985 Mar–Apr; 7(2):390–3

Effects of the acylcarnitine-transferase blocking agent sodium 2[5-(4-chlorophenyl)-pentyl]-oxirane-2-carboxylate (POCA) on metabolism and regional function in the underperfused canine myocardium. Seitelberger R, et al. **J Cardiovasc Pharmacol** 1985 Mar–Apr;7(2):273–80

Effects of acylcarnitine-transferase blocking agent sodium 2[5-(4-chlorophenyl)-pentyl]-oxirane-2-carboxylate (POCA) on cardiodynamics and myocardial metabolism in dogs. Seitelberger R, et al. **J Cardiovasc Pharmacol** 1984 Sep–Oct;6(5):902–8

Alterations in myocardial uptake of glutamate and release of alanine after propranolol, nifedipine, and glyceryl trinitrate in coronary artery disease. Thomassen A, et al. **J Cardiovasc Pharmacol** 1985 Mar–Apr;7(2):394–400

Preservation of myocardial ATP during cardioplegia: comparison of techniques. Catinella FP, et al. **J Cardiovasc Surg (Torino)** 1984 Jul–Aug;25(4):296–303

Clinical experience with preoperative myocardial nutrition management. Lolley DM, et al. **J Cardiovasc Surg (Torino)** 1985 May–Jun;26(3):236–43

Preservation of high energy phosphates in hypertrophied human myocardium. Scheld HH, et al. **J Cardiovasc Surg (Torino)** 1985 Mar–Apr;26(2):191–5

Enhancement of myocardial energy potentials in man by glucose-insulin treatment before and after ischaemic heart arrest. von Bormann B, et al. **J Cardiovasc Surg (Torino)** 1985 Mar–Apr;26(2):182–6

Simultaneous determination of lidocaine and its metabolites in plasma and myocardium. Luzzi FA, et al. **J Chromatogr** 1984 Nov 28;311(2):291–9

Influence of age on steroid concentrations in skin and striated muscle in women and in cardiac muscle and lung tissue in men. Deslypere JP, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):648–53

Release of arachidonate from membrane phospholipids in cultured neonatal rat myocardial cells during adenosine triphosphate depletion. Correlation with the progression of cell injury. Chien KR, et al. **J Clin Invest** 1985 Jun; 75(6):1770–80

Regulation of myocardial amino acid balance in the conscious dog. Schwartz RG, et al. **J Clin Invest** 1985 Apr; 75(4):1204–11

Functional compartmentation of glycolytic versus oxidative metabolism in isolated rabbit heart. Weiss J, et al. **J Clin Invest** 1985 Feb;75(2):436–47

Cardiac emission computed tomography: underestimation of regional tracer concentrations due to wall motion abnormalities. Parodi O, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1083–92

Effect of forskolin on phosphorylation of a 25,000 Mr protein in perfused guinea pig hearts. Fliegel L, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(3):259–67

Evidence for two specific affinity states of 3H-antagonist binding to cardiac beta-adrenergic receptors and influence of Gpp(NH)p. Lang PH, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(4):341–60

Effect of hypoxic hypoxia on taurine concentrations in ventricles of mouse hearts. Eldridge SA, et al. **J Exp Zool** 1985 Jan;233(1):139–41

Electrochemical ion gradients and the Na/Ca exchange stoichiometry. Measurements of these gradients are thermodynamically consistent with a stoichiometric coefficient greater than or equal to 3. Axelsen PH, et al. **J Gen Physiol** 1985 Mar;85(3):471–5

Two kinds of calcium channels in canine atrial cells. Differences in kinetics, selectivity, and pharmacology. Bean BP. **J Gen Physiol** 1985 Jul;86(1):1–30

Slow currents through single sodium channels of the adult rat heart. Patlak JB, et al. **J Gen Physiol** 1985 Jul; 86(1):89–104

Na/H exchange in cultured chick heart cells. pHi regulation. Piwnica-Worms D, et al. **J Gen Physiol** 1985 Jan; 85(1):43–64

Na/Ca exchange in the intact cardiac cell. Sheu SS, et al. **J Gen Physiol** 1985 Mar;85(3):476–8

Interactions of organic calcium channel antagonists with calcium channels in single frog atrial cells. Uehara A, et al. **J Gen Physiol** 1985 May;85(5):621–47

Age-related changes in cardiac muscarinic receptors: decreased ability of the receptor to form a high affinity agonist binding state. Baker SP, et al. **J Gerontol** 1985 Mar; 40(2):141–6

The degradation of cytochrome c by hydrogen peroxide. Florence TM. **J Inorg Biochem** 1985 Feb;23(2):131–41

Heart cells in culture: a model of myocardial iron overload and chelation. Link G, et al. **J Lab Clin Med** 1985 Aug; 106(2):147–53

Cardiac metabolism of omega-(p-iodo-phenyl)-pentadecanoic acid: a gas-liquid chromatographic-mass spectrometric analysis. Schmitz B, et al. **J Lipid Res** 1984 Oct;25(10):1102–8

Design, synthesis, and evaluation of omega-iodovinyl- and omega-iodoalkyl-substituted methyl-branched long-chain fatty acids. Goodman MM, et al. **J Med Chem** 1985 Jun; 28(6):807–15

Myocardial imaging agents: synthesis, characterization, and evaluation of (Z)- and (Z,E)-18-[82Br]bromo-5-tellura-17-octadecenoic acids. Srivastava PC, et al. **J Med Chem** 1985 Apr;28(4):408–13

Effects of alkyl and aryl substitution on the myocardial specificity of radioiodinated phosphonium, arsonium, and ammonium cations. Srivastava PC, et al. **J Med Chem** 1985 Jul;28(7):901–4

Calcium at the surface of cardiac plasma membrane vesicles: cation binding, surface charge screening, and Na-Ca exchange. Bers DM, et al. **J Membr Biol** 1985;85(3):251–61

Effects of membrane potential on sodium-dependent calcium uptake by sarcolemma-enriched preparations from canine ventricle. Hungerford RT, et al. **J Membr Biol** 1985; 84(3):207–19

The characterization of a monovalent cation-selective channel of mammalian cardiac muscle sarcoplasmic reticulum. Tomlins B, et al. **J Membr Biol** 1984;80(2):191–9

Abstracts of the Sixth Meeting of the Australian and New Zealand Section of the International Society for Heart Research. Lorne, Victoria, Australia, 20–22 February 1985. **J Mol Cell Cardiol** 1985 May;17(5):i–xv

International symposium on calcium and calcium entry blockers in the cardiovascular system. Clinical and experimental aspects. Grenoble, 17–18 September 1984. Abstracts. **J Mol Cell Cardiol** 1984 Sep;16 Suppl 3:37 p.

International Society for Heart Research, Vth meeting of the European section. Geneva, September 19–22, 1984. Abstracts. **J Mol Cell Cardiol** 1984 Sep;16 Suppl 2:1–81

Transmural inhomogeneity of energy metabolism during acute global ischemia in the isolated rat heart: dependence on environmental conditions. Fiolet JW, et al. **J Mol Cell Cardiol** 1985 Jan;17(1):87–92

The change of the free energy of ATP hydrolysis during global ischemia and anoxia in the rat heart. Its possible role in the regulation of transsarcolemmal sodium and potassium gradients. Fiolet JW, et al. **J Mol Cell Cardiol** 1984 Nov;16(11):1023–36

Effects of calcium flux inhibitors on contracture and calcium content during inhibition of high energy phosphate production in cultured heart cells. Hasin Y, et al. **J Mol Cell Cardiol** 1984 Sep;16(9):823–34

Electrophysiologic and mechanical effects of metabolic inhibition of high-energy phosphate production in cultured chick embryo ventricular cells. Hasin Y, et al. **J Mol Cell Cardiol** 1984 Nov;16(11):1009–21

Cardiac norepinephrine and intrinsic properties of isolated hypertrophied hearts from DOCA hypertensive rats. Heller LJ, et al. **J Mol Cell Cardiol** 1984 Nov;16(11):987–93

Adenine pool catabolism in the ischemic, the calcium-depleted ischemic, and the substrate free anoxic isolated rat heart: relationship to contracture development. Humphrey SM, et al. **J Mol Cell Cardiol** 1984 Dec; 16(12):1127–36

The influence of the no-reflow phenomenon on reperfusion and reoxygenation damage and enzyme release from anoxic and ischaemic isolated rat hearts. Humphrey SM, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):915–29

Cellular lithium uptake as a probe of sodium channels in the rat heart: modulation of lithium uptake by tetrodotoxin, verapamil, anthopleurin-A, isoproterenol and external stimulation. Hunter DR, et al. **J Mol Cell Cardiol** 1984 Dec;16(12):1083–90

Calcium compartmentation in cardiac tissue culture: the effects of extracellular sodium depletion. Langer GA, et al. **J Mol Cell Cardiol** 1984 Nov;16(11):1047–57

The effect of cholinergic agonists on coronary flow rate and oxygen consumption in isolated perfused rat heart. Nuutinen EM, et al. **J Mol Cell Cardiol** 1985 Jan; 17(1):31–42

DNA synthesis in rat atrial myocytes as a response to left ventricular infarction. An autoradiographic study of enzymatically dissociated myocytes. Oberpriller JO, et al. **J Mol Cell Cardiol** 1984 Dec;16(12):1119–26

Reperfusion injury induced by augumented oxygen uptake in the initial reperfusion period. Possible efficacy of extreme hemodilution. Otani H, et al. **J Mol Cell Cardiol** 1985 May; 17(5):457–65

Energy metabolism and enzyme release of cultured adult rat heart muscle cells during anoxia. Piper HM, et al. **J Mol Cell Cardiol** 1984 Nov;16(11):995–1007 (63 ref.)

Regulation by 8–Br–cAMP of beta–adrenoceptors in cultured myocardial cells. Reuter H, et al. **J Mol Cell Cardiol** 1985 Apr;17(4):307–16

Positron computed tomography for the in vivo assessment of regional myocardial function. Schelbert HR, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):683–93

Endogenous tyrosine hydroxylase activity in the developing chick heart: a possible source of extraneuronal catecholamines. Stewart DE, et al. **J Mol Cell Cardiol** 1985 Apr;17(4):389–98

The content of non–esterified fatty acids in rat myocardial tissue. A comparison between the Dole and Folch extraction procedures. van der Vusse GJ, et al. **J Mol Cell Cardiol** 1985 May;17(5):527–31

The myocardial non–esterified fatty acid controversy. van der Vusse GJ, et al. **J Mol Cell Cardiol** 1984 Aug; 16(8):677–82

Myocardial tissue free fatty acids. Victor T, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):709–21

A comparison of the short–term incorporation of erucic acid and oleic acid in the perfused guinea–pig heart. Ward B, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):897–903

Hexose transport modification of rat hearts during development of chronic diabetes. Whitfield CF, et al. **J Mol Cell Cardiol** 1984 Dec;16(12):1091–9

Blockage of the sodium current in isolated single cells from rat ventricle with mexiletine and disopyramide. Yatani A, et al. **J Mol Cell Cardiol** 1985 May;17(5):467–76

Ribose accelerates the repletion of the ATP pool during recovery from reversible ischemia of the rat myocardium. Zimmer HG, et al. **J Mol Cell Cardiol** 1984 Sep;16(9):863–6

Mechanism of thallium extraction in pump perfused canine hearts. Carlin RD, et al. **J Nucl Med** 1985 Feb;26(2):165–9

Rapid clearance of iodine–131 MIBG from the heart and liver of patients with adrenergic dysfunction and pheochromocytoma. Nakajo M, et al. **J Nucl Med** 1985 Apr;26(4):357–65

Effect of selenium deficiency on hydroperoxide–induced glutathione release from the isolated perfused rat heart. Xia YM, et al. **J Nutr** 1985 Jun;115(6):733–42

Targeting of coenzyme Q10 solubilized with soy lecithin to heart of guinea pigs. Takada M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Feb;31(1):115–20

Comparison of the potency of 8–phenyltheophylline as an antagonist at A1 and A2 adenosine receptors in atria and aorta from the guinea–pig. Collis MG, et al. **J Pharm Pharmacol** 1985 Apr;37(4):278–80

Dopamine receptor agonistic activities of R– and S–enantiomers of 4–hydroxy–2–di–n–propylaminoindan in cat hearts. Ilhan M, et al. **J Pharm Pharmacol** 1985 May; 37(5):364–5

Comparison of beta–adrenoceptor populations in cat and guinea–pig left atria. Molenaar P, et al. **J Pharm Pharmacol** 1985 Apr;37(4):257–60

Serum and myocardial kinetics of amiodarone and its deethyl metabolite after intravenous administration in rabbits. Kannan R, et al. **J Pharm Sci** 1984 Sep;73(9):1208–11

Mechanism and metabolic disposition of verapamil–evoked overflow of radioactivity from isolated atria preloaded with [3H]norepinephrine. Chaudhry A, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):850–6

Effects of adrenoceptor antagonists and neuronal uptake inhibitors on dimethylphenylpiperazinium–induced release of catecholamines from the rabbit isolated adrenal gland and guinea–pig atria. Collett AR, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):379–86

Differences in the properties of muscarinic cholinergic receptors in the developing chick myocardium. Hosey MM, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):795–801

Comparative interactions of organic Ca++ channel antagonists with myocardial Ca++ and K+ channels. Hume JR. **J Pharmacol Exp Ther** 1985 Jul;234(1):134–40

Characteristics of the binding of [3H]nitrendipine to rabbit ventricular membranes: modification by other Ca++ channel antagonists and by the Ca++ channel agonist Bay K 8644. Janis RA, et al. **J Pharmacol Exp Ther** 1984 Oct; 231(1):8–15

Kinetics of ouabain binding and changes in cellular sodium content, 42K+ transport and contractile state during ouabain exposure in cultured chick heart cells. Kim D, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):326–33

Effect of age on adrenergic neuronal uptake in rat heart. Kreider MS, et al. **J Pharmacol Exp Ther** 1984 Nov; 231(2):367–72

Potent enhancement of [3H]nitrendipine binding in rat cerebral cortical and cardiac homogenates: a putative mechanism for the action of MDL 12,330A. Lee HR, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):611–6

Differential inhibition of beta adrenergic receptors in human and rabbit ciliary process and heart. Nathanson JA. **J Pharmacol Exp Ther** 1985 Jan;232(1):119–26

Cardiac cholinergic muscarinic receptors: changes in multiple affinity forms with down–regulation. Roskoski R Jr, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):754–9

Taurine modulation of calcium binding to cardiac sarcolemma. Sebring LA, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):445–51

Effects of the calcium antagonists perhexiline and cinnarizine on vascular and cardiac contractile protein function. Silver PJ, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):629–35

Transcapillary transport of solutes in the myocardium: effects of nitroglycerin, isoproterenol and histamine on permeability–surface area products of inulin and sucrose. Weselcouch EO, et al. **J Pharmacol Exp Ther** 1985 Jul; 234(1):19–24

A nuclear magnetic resonance study of metabolism in the ferret heart during hypoxia and inhibition of glycolysis. Allen DG, et al. **J Physiol (Lond)** 1985 Apr;361:185–204

Ionic basis of the hyperpolarizing action of adenyl compounds on sinus venosus of the tortoise heart. Hutter OF, et al. **J Physiol (Lond)** 1984 Aug;353:111–25

Properties of adenosine–triphosphate–regulated potassium channels in guinea–pig ventricular cells. Kakei M, et al. **J Physiol (Lond)** 1985 Jun;363:441–62

High selectivity of calcium channels in single dialysed heart cells of the guinea–pig. Lee KS, et al. **J Physiol (Lond)** 1984 Sep;354:253–72

Membrane current through adenosine–triphosphate–regulated potassium channels in guinea–pig ventricular cells. Noma A, et al. **J Physiol (Lond)** 1985 Jun;363:463–80

Interaction of the calcium channel activating 3H–BAY K 8644 and inhibiting 3H–verapamil with specific receptor sites on cultured beating myocardial cells. Bellemann P. **J Recept Res** 1984;4(1–6):571–85

Effects of temperature and allosteric modulators on [3H] nitrendipine binding: methods for detecting potential Ca2+ channel blockers. Holck M, et al. **J Recept Res** 1984; 4(1–6):557–69

Isoproterenol induced fatty change in rat myocardium: freeze fracture study of the sarcolemma at sites of lipid droplet–membrane appositions. Bruneval P, et al. **J Submicrosc Cytol** 1985 Jul;17(3):335–43

Myocardial oxygen consumption with isoproterenol versus calcium chloride in hypocalcemic ventricular failure in dogs. Bodenhamer RM, et al. **J Surg Res** 1985 Aug; 39(2):114–27

Measurement of myocardial oxygen consumption. Cohan G, et al. **J Surg Res** 1985 Mar;38(3):305–13

Altered potassium flux and myocardial dysfunction during sepsis. Levison MA, et al. **J Surg Res** 1984 Oct; 37(4):295–303

Model of calcium movements in the mammalian myocardium: interval–strength relationship. Adler D, et al. **J Theor Biol** 1985 Mar 21;113(2):379–94

Influence of the pH of cardioplegic solutions on intracellular pH, high–energy phosphates, and postarrest performance. Protective effects of acidotic, glutamate–containing cardioplegic perfusates. Bernard M, et al. **J Thorac Cardiovasc Surg** 1985 Aug;90(2):235–42

Myocardial metabolism and ventricular function following cold potassium cardioplegia. Fremes SE, et al. **J Thorac Cardiovasc Surg** 1985 Apr;89(4):531–46

Observations on 100 patients with continuous intraoperative monitoring of intramyocardial pH. The adverse effects of ventricular fibrillation and reperfusion. Khuri SF, et al. **J Thorac Cardiovasc Surg** 1985 Feb;89(2):170–82

Cardiac prostacyclin kinetics during cardiopulmonary bypass. Kobinia GS, et al. **J Thorac Cardiovasc Surg** 1984 Dec;88(6):965–71

Catecholamine effects during and after cardiopulmonary bypass [letter] Kresh JY, et al. **J Thorac Cardiovasc Surg** 1985 Apr;89(4):655–7

The ongoing quest for ideal myocardial protection. A catalog of the recent English literature. McGoon DC. **J Thorac Cardiovasc Surg** 1985 Apr;89(4):639–53

Protection of the hypertrophied pig myocardium. A comparison of crystalloid, blood, and Fluosol–DA cardioplegia during prolonged aortic clamping. Novick RJ, et al. **J Thorac Cardiovasc Surg** 1985 Apr;89(4):547–66

Efficacy of crystalloid cardioplegic solutions in patients undergoing myocardial revascularization. Effect of infusion route and regional wall motion on preservation of adenine nucleotide stores. Silverman NA, et al. **J Thorac Cardiovasc Surg** 1985 Jan;89(1):90–6

Prevention of free radical–induced myocardial reperfusion injury with allopurinol. Stewart JR, et al. **J Thorac Cardiovasc Surg** 1985 Jul;90(1):68–72

Imidazole–buffered cardioplegic solution. Improved myocardial preservation during global ischemia. Vander Woude JC, et al. **J Thorac Cardiovasc Surg** 1985 Aug; 90(2):225–34

Improved myocardial protection with blood and crystalloid cardioplegia. Weisel RD, et al. **J Vasc Surg** 1984 Sep; 1(5):656–9

Antiarrhythmic and myocardial metabolic effects of verapamil during coronary artery reperfusion. Kobayashi A, et al. **Jpn Circ J** 1985 Mar;49(3):316–24

Comparison of coronary hemodynamic and cardiac metabolic alterations during coronary artery spasm associated with ST segment elevation or depression. Kodama K, et al. **Jpn Circ J** 1985 Apr;49(4):422–31

Effects of cardioplegia on myocardial metabolism during hypothermic ischemia––components and mode of administration. Kohda Y, et al. **Jpn Circ J** 1985 Jan; 49(1):75–80

Calcium–binding of cardiac sarcoplasmic reticulum and diastolic hemodynamics in volume overloaded canine hearts. Maeba T. **Jpn Circ J** 1985 Feb;49(2):163–70

Studies on collagen in the experimental myocardial infarction. Sekita S, et al. **Jpn Circ J** 1985 Feb;49(2):171–8

Sequence of electrophysiological property and metabolic disorder in ischemic myocardium. Mori H, et al. **Jpn Heart J** 1985 May;26(3):469–79

Different effects of acute ischemia and anoxia on the canine myocardium. Nakamura Y, et al. **Jpn Heart J** 1984 Sep; 25(5):783–92

Enhanced sensitivity to digoxin in dystrophic mice. Saito K, et al. **Jpn Heart J** 1984 Sep;25(5):765–72

Effects of ethanol on calcium and potassium currents in single bullfrog atrial cells. Takeda R, et al. **Jpn J Pharmacol** 1984 Nov;36(3):422–4

Involvement of cyclic AMP in the positive inotropic effect of OPC–8212, a new cardiotonic agent, on the canine ventricular muscle. Yanagisawa T, et al. **Jpn J Pharmacol** 1984 Nov;36(3):379–88

Potassium–related membrane currents in the bullfrog atrial muscle differentiated in the presence of barium. Goto M, et al. **Jpn J Physiol** 1985;35(1):71–87

Potential dependency of the electrogenic Na+–pump current in bullfrog atrial muscles. Hasuo H, et al. **Jpn J Physiol** 1985;35(1):89–100

Electrophysiology of single cardiac cells. Irisawa H. **Jpn J Physiol** 1984;34(3):375–88 (64 ref.)

Effects of various intracellular Ca ion concentrations on the calcium current of guinea–pig single ventricular cells. Kokubun S, et al. **Jpn J Physiol** 1984;34(4):599–611

Transient kinetics of an inward rectifier K+ channel in the myocardial cell membrane. Taniguchi J, et al. **Jpn J Physiol** 1984;34(6):1123–7

Beta–actions of catecholamines on the K–related currents of the bullfrog atrial muscle. Umeno T. **Jpn J Physiol** 1984; 34(3):513–28

Effect of parathyroid hormone on myocardial energy metabolism in the rat. Baczynski R, et al. **Kidney Int** 1985 May;27(5):718–25

Impaired myocardial lipid metabolism in phosphate depletion. Brautbar N, et al. **Kidney Int** 1984 Jul;26(1):18–23

Acute effects of nicotine on hemodynamic and metabolic parameters of isolated, perfused hearts of guinea pigs and rats. Becker BF, et al. **Klin Wochenschr** 1984;62 Suppl 2:58–66

Cardiac secretion of atrial natriuretic peptide [letter] Espiner EA, et al. **Lancet** 1985 Aug 17;2(8451):398–9

Defective energy metabolism of the heart in diabetes. Taegtmeyer H, et al. **Lancet** 1985 Jan 19;1(8421):139–41

In situ monitoring of myocardial metabolism by laser fluorimetry: relevance of a test of local ischemia. Renault G, et al. **Lasers Surg Med** 1985;5(2):111–22

The distribution of acetylcholine and choline in guinea pig heart. Brown OM, et al. **Life Sci** 1985 Jan 28;36(4):383–9

Calmodulin abolishes the changes in Ca2+ binding and transport by heart sarcolemmal membranes of spontaneously hypertensive rats. David–Dufilho M, et al. **Life Sci** 1985 Jun 24;36(25):2367–73

Cholera toxin–induced changes in force of contraction and cyclic AMP levels in canine ventricular myocardium: inhibition by carbachol. Endoh M, et al. **Life Sci** 1984 Dec 10;35(24):2397–406

Effect of chronic streptozotocin–induced diabetes on [3H]ouabain binding in the rat left ventricle. Fawzi AB, et al. **Life Sci** 1985 May 20;36(20):1977–81

Cardiac norepinephrine releasing action of kynuramine, an endogenous diamine derived from L–tryptophan. Johnson TD, et al. **Life Sci** 1984 Dec 3;35(23):2303–10

Decreased defence against free radicals in rat heart during normal reperfusion after hypoxic, ischemic and calcium–free perfusion. Julicher RH, et al. **Life Sci** 1984 Sep 17;35(12):1281–8

Adenosine uptake sites in dog heart and brain; interaction with calcium antagonists. Marangos PJ, et al. **Life Sci** 1984 Sep 3;35(10):1109–16

Relationship between coronary flow and adenosine release in reactive hyperemia. Onwochei MO, et al. **Life Sci** 1985 Jan 14;36(2):105–12

Dopamine receptors in the guinea–pig heart. A binding study. Sandrini M, et al. **Life Sci** 1984 Oct 29;35(18):1839–49

Comparison of muscarinic and alpha–adrenergic receptors in rat atria based on phosphoinositide turnover. Sekar MC, et al. **Life Sci** 1984 Oct 1;35(14):1527–33

Decreased sodium–potassium pump activity in isolated hypertrophied feline ventricular myocytes. Silver LH, et al. **Life Sci** 1985 Aug 19;37(7):607–15

Polyamines in brain and heart of the neonatal rat: effects of inhibitors of ornithine decarboxylase and spermidine synthase. Slotkin TA, et al. **Life Sci** 1984 Sep 3; 35(10):1125–31

A sulfhydryl group of the canine cardiac beta–adrenergic receptor observed in the absence of hormone. Strauss WL, et al. **Life Sci** 1985 May 6;36(18):1699–706

Inhibitory effects of quinidine on rat heart muscarinic receptors. Waelbroeck M, et al. **Life Sci** 1984 Sep 3; 35(10):1069–76

Increased arachidonate incorporation in perfused heart phospholipids from vitamin E–deficient rats. Chan AC, et al. **Lipids** 1985 May;20(5):328–30

Effect of brominated vegetable oils on heart lipid metabolism. Lombardo YB, et al. **Lipids** 1985 Jul;20(7):425–32

Interactions of magnesium and potassium on cardiac and vascular smooth muscle. International symposium, Montbazon, November 8–11, 1984. **Magnesium** 1984; 3(4–6):173–360

Simultaneous analyses of Ca exchange and mechanical parameters in the rat atria. Márquez MT, et al. **Methods Find Exp Clin Pharmacol** 1984 Dec;6(12):755–61

Lower atrial natriuretic activity in the newborn versus adult rat. Pollock DM, et al. **Miner Electrolyte Metab** 1985; 11(1):41–4

Glucose stimulation of heart phosphorylase phosphatase activity in vitro and in vivo. Nuttall FQ, et al. **Mol Cell Biochem** 1984 Aug;63(1):75–81

Cardiac actin is the major actin gene product in skeletal muscle cell differentiation in vitro. Bains W, et al. **Mol Cell Biol** 1984 Aug;4(8):1449–53

Receptors for beta-adrenergic agonists in cultured chick ventricular cells. Relationship between agonist binding and physiologic effect. Marsh JD, et al. **Mol Pharmacol** 1985 Jan;27(1):10–8

Kinetics of binding of membrane-active drugs to receptor sites. Diffusion-limited rates for a membrane bilayer approach of 1,4-dihydropyridine calcium channel antagonists to their active site. Rhodes DG, et al. **Mol Pharmacol** 1985 Jun;27(6):612–23

Gene structure of human cardiac hormone precursor, pronatriodilatin. Nemer M, et al. **Nature** 1984 Dec 13–19; 312(5995):654–6

Effects of corticoadrenal extract on the neuronal and extraneuronal uptake of noradrenaline in the isolated rabbit heart. Pham Huu Chanh, et al. **Naturwissenschaften** 1985 Feb;72(2):94–5

The substrate specificity of uptake2 in the rat heart. Grohmann M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):164–73

The handling of five catecholamines by the extraneuronal O-methylating system of the rat heart. Grohmann M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):264–70

Thyroid-dependent alterations of myocardial adrenoceptors and adrenoceptor-mediated responses in the rat. Gross G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):427–39

Effectiveness of nicorandil in the preservation of myocardium stressed by transient ischemia and its influence on cardiac metabolism during coronary artery occlusion with subsequent reperfusion: a comparison with isosorbide dinitrate. Korb H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):440–6

Changes in myocardial substrate utilisation and protection of ischemic stressed myocardium by oxfenicine [(S)-4-hydroxyphenylglycine] Korb H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):70–4

Effects of 6-hydroxydopamine on dopamine and noradrenaline content in dog blood vessels and heart. Evidence for a noradrenaline-independent dopamine pool. Soares-da-Silva P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):253–7

The positive inotropic dihydropyridine Bay K 8644 does not affect calcium sensitivity or calcium release of skinned cardiac fibres. Thomas G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):378–81

Plasma and myocardial catecholamine levels in young and aged rats during halothane anesthesia. Hoffman WE, et al. **Neurobiol Aging** 1985 Summer;6(2):117–20

Prenatal ontogenesis of p-, m-octopamine and phenylethanolamine in relation to catecholamines and their metabolizing enzymes in the developing rat brain and heart. David JC, et al. **Neuroscience** 1984 Aug;12(4):1271–6

Evidence for exocytotic release of dopamine beta-hydroxylase from rabbit heart and of vasopressin from rat neurohypophyses during homogenization and fractionation. Effects of gadolinium ions, cytochalasin B, gallopamil and different temperatures. Muscholl E, et al. **Neuroscience** 1985 Jan;14(1):79–93

The complete sequence of the chicken alpha-cardiac actin gene: a highly conserved vertebrate gene. Chang KS, et al. **Nucleic Acids Res** 1985 Feb 25;13(4):1223–37

Determination of myocardial FFA elimination rates by functional images of uncorrected half-time values. Visser FC, et al. **Nuklearmedizin** 1984 Dec;23(6):277–82

Removal of Ca current inactivation in dialysed guinea-pig atrial cardioballs by Ca chelators. Bechem M, et al. **Pflugers Arch** 1985 May;404(1):10–20

Sodium current in single myocardial mouse cells. Benndorf K, et al. **Pflugers Arch** 1985 May;404(2):190–6

Lipid intermediates in chronically volume-overloaded rat hearts. Effect of diffuse ischemia. Bowe C, et al. **Pflugers Arch** 1984 Nov;402(3):317–20

Suppression of cellular injury during the calcium paradox in rat heart by factors which reduce calcium uptake by mitochondria. Busselen P. **Pflugers Arch** 1985 May; 404(2):166–71

Block of sodium currents by the calcium antagonist D600 in human heart cell segments. Bustamante JO. **Pflugers Arch** 1985 Feb;403(2):225–7

Redistribution of glucose uptake by chronic exercise, measured in isolated perfused rat hearts. Kainulainen H, et al. **Pflugers Arch** 1985 Mar;403(3):296–300

Cardiac contractility, cAMP concentration, cAMP-dependent protein kinase, and phosphorylase activation during acute pressure overload. Klug GA, et al. **Pflugers Arch** 1984 Oct;402(2):216–21

The effect of high K+ depolarization and verapamil on 45Ca2+ fluxes in the canine myocardium. Lodge NJ, et al. **Pflugers Arch** 1985 Feb;403(2):222–4

Photochemically produced intracellular concentration jumps of cAMP mimic the effects of catecholamines on excitation-contraction coupling in frog atrial fibers. Richard S, et al. **Pflugers Arch** 1985 Mar;403(3):312–7

New enzymatic changes of L-cystathionine catalyzed by bovine tissue extracts. Costa M, et al. **Physiol Chem Phys Med NMR** 1985;17(1):107–11

Effects of 6-hydroxydopamine on the carbohydrate metabolism of skeletal and heart muscles in rest and during exercise. Derevenco P, et al. **Physiologie** 1984 Jul-Sep; 21(3):173–9

Effect of caffeine on rest- and excitation-dependent calcium exchange in ventricular muscle of guinea pig heart. Lewartowski B, et al. **Pol J Pharmacol Pharm** 1984 Nov-Dec;36(6):617–24

Optical measurement of voltage-dependent Ca2+ influx in frog heart. Pizarro G, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1864–8

Net calcium exchange in adult rat ventricular myocytes: an assessment of mitochondrial calcium accumulating capacity. Fry CH, et al. **Proc R Soc Lond [Biol]** 1984 Dec 22;223(1231):223–38

The effects of sodium, hydrogen and magnesium ions on mitochondrial calcium sequestration in adult rat ventricular myocytes. Fry CH, et al. **Proc R Soc Lond [Biol]** 1984 Dec 22;223(1231):239–54

The effects of atrial fibrillation on myocardial blood flow and energetics. Friedman HS, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):1–8

Electrophysiological evidence that local anesthetics and antiarrhythmic drugs bind to a specific receptor site in cardiac sodium channels: displacement of bupivacaine by lidocaine. Clarkson CW, et al. **Proc West Pharmacol Soc** 1984;27:23–5

Are increases in cyclic GMP levels responsible for the effects of acetylcholine on the transmembrane action potential of cat atrium? Diamond J, et al. **Proc West Pharmacol Soc** 1984;27:27–30

Aortic perfusion pressure affects cardiac protein turnover. Gordon EE, et al. **Prog Clin Biol Res** 1985;180:521–30

Minute to minute neuroendocrine control of a major nonlysosomal pathway of myocardial protein degradation by beta-receptor occupancy. Lockwood TD. **Prog Clin Biol Res** 1985;180:619–22

Regulation of myofibrillar protease, plasminogen activator and protein degradation in cultured myoblasts. Mayer M. **Prog Clin Biol Res** 1985;180:543–54

A model for the cardiac sodium-calcium exchange carrier. Reeves JP, et al. **Prog Clin Biol Res** 1984;168:77–82

The role of lysosomes in the degradation of myofibrillar and non-myofibrillar proteins in heart. Wildenthal K, et al. **Prog Clin Biol Res** 1985;180:511–20

Biochemical mechanisms responsible for alcohol-associated myocardiopathy. Van Thiel DH, et al. **Recent Dev Alcohol** 1985;3:189–200 (58 ref.)

The involvement of an oxidative mechanism in the adriamycin induced toxicity in neonatal rat heart cell cultures. Julicher RH, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jan;47(1):35–47

Effects of adriamycin on the macromolecular synthesis in rat myocardiocytes and KB cells. Okano C, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug; 45(2):279–88

Myocardial ischaemia during tachycardia--not due to an increase in myocardial oxygen demand. Coetzee A, et al. **S Afr Med J** 1985 Mar 30;67(13):496–9

The influence of electrical stimulation of the ganglion nodosum on the occurrence of gastrin-like immunoreactivity in perfusate of the isolated rabbit heart. Geršl V, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1983; 26(5):603–10

Effects of isoproterenol on adenine nucleotide catabolism in cat hearts with acute regional ischaemia. Stangeland L, et al. **Scand J Clin Lab Invest** 1985 Feb;45(1):45–54

Different effects of nitroglycerin and nitroprusside on myocardial blood flow and metabolism. Ihlen H. **Scand J Clin Lab Invest [Suppl]** 1984;173:75–9

Myocardial pyruvate, lactate, and orthophosphate contents under different postischemic conditions. A study in a paracorporeal rat heart model. Hultman J, et al. **Scand J Thorac Cardiovasc Surg** 1985;19(1):69–76

Myocardial catecholamines following cold cardioplegic arrest during open-heart surgery. Kyösola KT, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(3):209–15

Penetration of penicillins into cardiac valves and auricles of patients undergoing open-heart surgery. Pieper R, et al. **Scand J Thorac Cardiovasc Surg** 1985;19(1):49–53

Noninvasive study of high-energy phosphate metabolism in human heart by depth-resolved 31P NMR spectroscopy. Bottomley PA. **Science** 1985 Aug 23;229(4715):769–72

Optical measurements of extracellular calcium depletion during a single heartbeat. Cleemann L, et al. **Science** 1984 Oct 12;226(4671):174–7

Atrotoxin: a specific agonist for calcium currents in heart. Hamilton SL, et al. **Science** 1985 Jul 12;229(4709):182–4

Regional myocardial substrate uptake in hypertensive rats: a quantitative autoradiographic measurement. Yonekura Y, et al. **Science** 1985 Mar 22;227(4693):1494–6

On-line metabolic monitoring of the heart during cardiac surgery. Khuri SF, et al. **Surg Clin North Am** 1985 Jun; 65(3):439–53 (30 ref.)

Recovery of left ventricular function after graded cardiac ischemia as predicted by myocardial P-31 nuclear magnetic resonance. Whitman GJ, et al. **Surgery** 1985 Apr; 97(4):428–35

Changes in myocardial oxygen demand and instantaneous ventricular vascular volume during prolonged cross-clamping and reperfusion of the abdominal aorta. Wang C, et al. **Thorac Cardiovasc Surg** 1985 Apr;33(2):94–7

Release of plasminogen activator from isolated perfused dog heart. Matsubara F, et al. **Thromb Haemost** 1985 Feb 18; 53(1):126–9

Cardioprotective effects of defibrotide in acute myocardial ischemia in the cat. Niada R, et al. **Thromb Res** 1985 Apr 1;38(1):71–81

Comparison of lipid peroxidation and myocardial damage induced by adriamycin and 4'-epiadriamycin in mice. Llesuy SF, et al. **Tumori** 1985 Jun 30;71(3):241–9

Myocardial blood flow and metabolism in humans. Schelbert HR. **Z Kardiol** 1984;73 Suppl 2:113–8

[Effects of anoxia and reoxygenation on the myocardial metabolism of hyperenergetic compounds in rats] Chen LY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Mar; 13(1):58–61 **(Chi)**

[Comparison of the effects of a single dose with the continuous administration of some traditional Chinese drugs on the myocardial uptake of 86Rb in mice] Zhang BH. **Chung Yao Tung Pao** 1985 Feb;10(2):90–2 **(Chi)**

[Abnormalities of myocardial lipid metabolism and advances of drug intervention in acute myocardial ischemia] Hu ZW. **Sheng Li Ko Hsueh Chin Chan** 1984 Jan;15(1):35–40 **(Chi)**

[The calcium paradox in the heart] Wu S. **Sheng Li Ko Hsueh Chin Chan** 1985 Jan;16(1):32–5 (31 ref.) **(Chi)**

[The oxygen and calcium paradox in cardiac muscle] Pelouch V, et al. **Cesk Fysiol** 1984;33(4):380–6 **(Cze)**

[Management of calcium in the working mammalian myocardial cell] Pučelík P. **Cesk Fysiol** 1984;33(6):518–35 (139 ref.) **(Cze)**

[Intraoperative myocardial ischemia. Physiopathology and prevention] Coriat P. **Ann Fr Anesth Reanim** 1984; 3(5):351–63 (150 ref.) **(Fre)**

[Synthesis of adenine nucleotides from exogenous adenosine in the perfused rat heart under normoxic conditions and after ischemia] Aussedat J, et al. **Arch Int Physiol Biochim** 1984 Oct;92(3):203–17 (Eng. Abstr.) **(Fre)**

[Active calcium and sodium transport by cardiac plasma membranes in the genetically hypertensive rat] David-Dufilho M, et al. **Arch Mal Coeur** 1984 Oct; 77(11):1261–5 (Eng. Abstr.) **(Fre)**

[Intravenous labetalol in normotensive coronary patients. Effects on hemodynamics and myocardial metabolism] Ourbak P, et al. **Arch Mal Coeur** 1985 Jul;78(7):1089–96 (Eng. Abstr.) **(Fre)**

[Acceleration of the synthesis of cardiac adenine nucleotides from adenosine as affected by propranolol] Giacomelli M, et al. **C R Acad Sci [III]** 1984;299(19):779–84 (Eng. Abstr.) **(Fre)**

[Metabolism of long chain fatty acids in the normal and pathologic heart: effects of ischemia] Feuvray D, et al. **Diabete Metab** 1984 Dec;10(5):316–23 (57 ref.) (Eng. Abstr.) **(Fre)**

[Physiopathologic modifications in the myocardial levels of adenine nucleotides] Rossi A, et al. **Diabete Metab** 1984 Oct;10(4):260–74 (148 ref.) (Eng. Abstr.) **(Fre)**

[Effects of continuous body stress and methandienone on the degradation of myofibrillar proteins in the guinea pig heart and soleus muscle] Morano I, et al. **Arzneimittelforsch** 1985; 35(2):501–3 (Eng. Abstr.) **(Ger)**

[The effect on oxidative metabolism in brain, liver and heart muscle homogenates of peptide derivatives and calf blood dialysates] Windisch M, et al. **Arzneimittelforsch** 1985; 35(1):87–9 (Eng. Abstr.) **(Ger)**

[Oxygen supply and lactate utilization in the porcine heart] Thielscher HH. **Berl Munch Tierarztl Wochenschr** 1985 Feb 1;98(2):54–7 (Eng. Abstr.) **(Ger)**

[The muscarinic-cholinergic receptors of cultured heart cells] Mundt S, et al. **Pharmazie** 1984 Oct;39(10):712 **(Ger)**

[Ceftriaxone-concentrations in heart tissue. Preliminary results] Struck E, et al. **Wien Med Wochenschr [Suppl]** 1985; 87:8–11 **(Ger)**

[Indirect study of oxygen consumption of the heart muscle] Tahy A, et al. **Z Gesamte Inn Med** 1984 Jul 15;39(14):342–6 (Eng. Abstr.) **(Ger)**

[Changes in contractility parameters, coronary flow and myocardial oxygen consumption following intravenous diltiazem in patients with coronary heart disease] Oeff M, et al. **Z Kardiol** 1984 Nov;73(11):717–23 (Eng. Abstr.) **(Ger)**

[Dose-dependent effect of amrinone on hemodynamics, myocardial circulation and myocardial energy requirement. An experimental study] Veit S, et al. **Z Kardiol** 1985 Feb; 74(2):76–84 (Eng. Abstr.) **(Ger)**

[Adenosine nucleotide metabolism of the myocardium]

EWARK PUBLIC

Müller MM, et al. **Z Med Lab Diagn** 1985;26(2):71-6 (Eng. Abstr.) **(Ger)**

[Metabolic therapy of cardiopathies, based on the biochemical physiopathology of the myocardium] Galeone A. **Ann Osp Maria Vittoria Torino** 1983 Jul-Dec; 26(7-12):235-92 (Eng. Abstr.) **(Ita)**

[Effects of prostacyclin on the cardiac functions and energy metabolism in the perfused rat heart] Takeuchi S. **Hokkaido Igaku Zasshi** 1985 May;60(3):355-67 (Eng. Abstr.) **(Jpn)**

[Myocardial uptake of thallium-201 in rat with cardiac hypertrophy] Torii Y, et al. **Kaku Igaku** 1985 Apr; 22(4):439-47 (Eng. Abstr.) **(Jpn)**

[Coronary sinus flow and myocardial oxygen consumption following left ventricular aneurysmectomy] Kawachi K, et al. **Kokyu To Junkan** 1984 Sep;32(9):931-5 (Eng. Abstr.) **(Jpn)**

[Affinity of isoproterenol to the heart chronotropic beta-adrenergic receptors--comparison between normal and patients with hyperthyroidism] Minatoguchi S, et al. **Kokyu To Junkan** 1984 Nov;32(11):1139-45 **(Jpn)**

[Neurotic mechanism of decreasing norepinephrine and glycogen in dog myocardium after the coronary artery ligation] Sakai K, et al. **Kokyu To Junkan** 1984 Nov; 32(11):1111-4 **(Jpn)**

[Improvement of ventricular fibrillation by decreasing isoprenaline accumulation in the myocardium] Sono K, et al. **Kokyu To Junkan** 1984 Nov;32(11):1119-22 **(Jpn)**

[Effects of fentanyl and morphine on hemodynamics and metabolism of rat heart after ischemia] Kumazawa T, et al. **Masui** 1985 Apr;34(4):423-8 (Eng. Abstr.) **(Jpn)**

[The protective effects on the myocardium of intermittent coronary perfusion with cold potassium cardioplegia--evaluation by myocardial surface pH] Ishimaru S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Nov;32(11):1902-9 (Eng. Abstr.) **(Jpn)**

[Hemodynamics and myocardial metabolism after coronary artery bypass surgery] Kakimoto S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jan;33(1):1-6 (Eng. Abstr.) **(Jpn)**

[Retrograde cardioplegia as a method of myocardial protection--comparison between antegrade and retrograde method by metabolic and serial enzymatic determinations] Okubo T. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Sep; 32(9):1330-9 (Eng. Abstr.) **(Jpn)**

[Abnormal myocardial membranes in ischemia] Yamada M, et al. **Nippon Rinsho** 1985 Apr;43(4):828-32 (36 ref.) **(Jpn)**

[Effects of diltiazem on myocardial contractility and energetics] Ando H, et al. **Rinsho Kyobu Geka** 1984 Sep; 4(5):561-6 (Eng. Abstr.) **(Jpn)**

[Protection from reperfusion injury--efficacy of extreme hemodilution at the initial reperfusion period] Otani H, et al. **Rinsho Kyobu Geka** 1984 Jul;4(4):426-30 (Eng. Abstr.) **(Jpn)**

[Effect of physical exertion on heart muscle metabolism in disorders of thyroid function] Grabowska-Maślanka H. **Folia Med Cracov** 1984;25(1-2):9-28 (Eng. Abstr.) **(Pol)**

[Protective effect of trifluoperazine on the isolated hypoxic rabbit heart] Karwatowska-Kryńska E, et al. **Kardiol Pol** 1985;28(1):81-92 (Eng. Abstr.) **(Pol)**

[Effect of meals on the cardiovascular system in ischemic heart disease] Kudlicki J, et al. **Kardiol Pol** 1984; 27(4):329-33 (37 ref.) **(Pol)**

[Concentrations of various elements in the myocardium of persons who died of myocardial infarction and other arteriosclerosis-related conditions in localities supplied with drinking water of various degrees of hardness] Nowosielecka-Derus E. **Kardiol Pol** 1985;28(1):17-22 (Eng. Abstr.) **(Pol)**

[Magnesium and the heart] Szyszka A. **Kardiol Pol** 1984; 27(10):859-64 (47 ref.) **(Pol)**

[Importance of the oxygenation of cardioplegic solutions for myocardial protection in cardiac surgery] Gomes OM. **Arq Bras Cardiol** 1984 Dec;43(6):389-96 (Eng. Abstr.) **(Por)**

[Effect of sex steroids on the histamine content of the myocardium in dogs] Pereira GR, et al. **Arq Bras Cardiol** 1984 Jun;42(6):387-92 (Eng. Abstr.) **(Por)**

[Cardiomyocytes of the left ventricle of the heart in experimental infarct and pharmacostimulation (histochemical study)] Engibarian AA, et al. **Arkh Anat Gistol Embriol** 1985 Jan;88(1):62-4 (Eng. Abstr.) **(Rus)**

[The theory of regulation of the contraction force of the heart muscle] Markhasin VS, et al. **Biofizika** 1985 Mar-Apr; 30(2):322-7 (Eng. Abstr.) **(Rus)**

[Ability of a phosphocreatine-myofibrillar creatine kinase system to prevent the rigor tension of myocardial fibers] Veksler VI, et al. **Biofizika** 1985 Mar-Apr;30(2):301-5 (Eng. Abstr.) **(Rus)**

[Effect of glutamic acid on the anaerobic formation of ATP in the heart muscle] Pisarenko OI, et al. **Biokhimiia** 1984 Dec;49(12):2019-25 (Eng. Abstr.) **(Rus)**

[A factor which modifies the interaction of steroids with glucocorticoid receptors] Seleznev IuM, et al. **Biokhimiia** 1985 Jan;50(1):17-24 (Eng. Abstr.) **(Rus)**

[Several peculiarities of the interaction of troponin T and troponin C of skeletal and cardiac muscle] Verin AD, et al. **Biokhimiia** 1984 Aug;49(8):1375-82 (Eng. Abstr.) **(Rus)**

[Kinetics of passive transport of Ca2+ in vesicular preparations of myocardial sarcolemma with inside-out oriented cytoplasm] Vorobets ZD, et al. **Biokhimiia** 1985 Jan;50(1):25-31 (Eng. Abstr.) **(Rus)**

[Ca2+-calmodulin-dependent phosphorylation and passive transport of Ca2+ in the myocardial sarcolemma] Vorobets ZD, et al. **Biokhimiia** 1984 Aug;49(8):1268-74 (Eng. Abstr.) **(Rus)**

[Effect of adrenaline on nucleotide composition and the degree of DNA methylation in the canine myocardium] Kliasheva RI, et al. **Biol Nauki** 1984;(10):31-3 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in the myocardium in experimental infarct] Savov VM, et al. **Biol Nauki** 1985;(5):30-3 (Eng. Abstr.) **(Rus)**

[Effect of hypokinesia and muscle training on catecholamine levels of the myocardium of rats in postnatal ontogeny] Abzalov RA. **Biull Eksp Biol Med** 1985 Apr;99(4):394-7 (Eng. Abstr.) **(Rus)**

[ATPase activity of the heart microsomes, the regulation of calcium transport in the microsomes and the calmodulin content in experimental myocardial infarct] Antipenko AE, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):152-4 (Eng. Abstr.) **(Rus)**

[Changes in the protein mass and ploidy level of the myocytes in the mouse heart] Delone GV, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):364-6 (Eng. Abstr.) **(Rus)**

[Effect of posttraumatic fluctuations in the oxygen tension value in the arterial blood on the intensity of lipid peroxidation in the lungs, liver and myocardium of rats with a lung contusion] Kulitskaia VI, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):276-8 (Eng. Abstr.) **(Rus)**

[Function of the membrane lipids of the heart sarcoplasmic network in izadrin myocarditis studied by using a pyrene probe] Lyzlova LV, et al. **Biull Eksp Biol Med** 1985 Jun; 99(6):674-7 (Eng. Abstr.) **(Rus)**

[Effect of caffeine on active Ca2+ ion transport in a homogenate of skeletal muscles and myocardium] Ritov VB, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):176-9 (Eng. Abstr.) **(Rus)**

[Age-related characteristics of poststress DNA repair in the myocardium] Vasil'ev VK, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):649-51 (Eng. Abstr.) **(Rus)**

[Effect of phosphate and acidosis on the calcium sensitivity of the cardiac myofibrils] Veksler VI, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):133-5 (Eng. Abstr.) **(Rus)**

[Positron emission tomography: the prospects for studying myocardial metabolism in vivo] Ashmarin IIu. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(2):103-7 (30 ref.) **(Rus)**

[Sodium and calcium metabolism in isolated cardiomyocytes] Biriukova TV, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(2):101-3 **(Rus)**

[Effect of 3':5'-AMP-dependent phosphorylation on passive Ca2+ transport in myocardial sarcolemma] Kurskii MD, et al. **Dokl Akad Nauk SSSR** 1983;272(2):506-9 **(Rus)**

[Possible existence of tetrodotoxin-sensitive, potential-dependent chlorine conductivity in the membrane of perfused cardiomyocytes] Pidoplichko VI, et al. **Dokl Akad Nauk SSSR** 1984;279(4):1012-5 **(Rus)**

[Effect of carnitine on energy processes in the myocardium of rats] Makarova VG. **Farmakol Toksikol** 1985 Mar-Apr; 48(2):57-9 (Eng. Abstr.) **(Rus)**

[Pharmacological correction of disordered function of the myocardial contractile proteins] Shevchenko AI. **Farmakol Toksikol** 1984 Nov-Dec;47(6):43-6 (Eng. Abstr.) **(Rus)**

[Effect of nonsteroidal anti-inflammatory agents on the myocardial blood supply and oxygen regimen] Stepaniuk GI, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):54-7 (Eng. Abstr.) **(Rus)**

[Energy support and the contractile capacity of glycerinized myocardial fibers in experimental informational neurosis] Karsanov NV, et al. **Fiziol Zh SSSR** 1985 Jan;71(1):113-9 (Eng. Abstr.) **(Rus)**

[Catecholamine concentration and adenyl cyclase and phosphodiesterase activities of the sarcolemma of myocardial cells during hypokinesia and in experimental information neuroses] Khananashvili MM, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1214-20 (Eng. Abstr.) **(Rus)**

[Features of myocardial metabolism of adenylic nucleotides in patients with paroxysmal tachycardias] Kuz'min AI, et al. **Kardiologiia** 1984 Dec;24(12):55-62 (Eng. Abstr.) **(Rus)**

[Comparison of the indices of left ventricular pumping function, contractility, myocardial metabolism and the magnitude of the R wave on the ECG of ischemic heart disease patients] Pomerantsev EV, et al. **Kardiologiia** 1985 May;25(5):48-52 (Eng. Abstr.) **(Rus)**

[Plastic processes in the myocardium during the use of hyperbaric oxygenation in the recovery period after acute massive blood loss] Tyrtyshnikov IM. **Kardiologiia** 1985 Feb;25(2):94-6 **(Rus)**

[Use of isoptin in the acute period of myocardial infarction (its effect on hemodynamics and myocardial metabolism)] Vakhliaev VD, et al. **Kardiologiia** 1984 Oct;24(10):60-3 (Eng. Abstr.) **(Rus)**

[Electrolyte balance characteristics of the myocardium in patients with paroxysmal supraventricular disorders of the the cardiac rhythm] Firstova MI, et al. **Klin Med (Mosk)** 1985 Apr;63(4):24-30 **(Rus)**

[Effect of short-term thermal loads on tissue respiration of skeletal muscles and internal organs of chickens during hypokinesia] Talipov MS, et al. **Kosm Biol Aviakosm Med** 1985 May-Jun;19(3):60-4 (Eng. Abstr.) **(Rus)**

[Effect of periodic gravitation overloads on the physico-chemical properties and Ca2+ reactivity of actomyosin of the myocardium and skeletal muscles of albino rats] Tikunov BA, et al. **Kosm Biol Aviakosm Med** 1984 Sep-Oct;18(5):44-7 (Eng. Abstr.) **(Rus)**

[Correlational analysis of the indices of cardiac contractile function and its biochemical characteristics in experimental coronary insufficiency] Orlova NN, et al. **Patol Fiziol Eksp Ter** 1984 Jul-Aug;(4):80-2 **(Rus)**

[Myocardial protein metabolism in different periods of experimental hypokinesia in rats] Shitov GD, et al. **Patol Fiziol Eksp Ter** 1984 Jul-Aug;(4):36-40 **(Rus)**

[Lipid composition and ATPase activity of the myocardial sarcoplasmic reticulum in experimental hyperlipoproteinemia] Shkolovoĭ VV, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct;(5):32-4 (Eng. Abstr.) **(Rus)**

[Effect of hyperlipoproteinemia on the Ca2+ content in subcellular fractions of the myocardium] Sopka NV. **Patol Fiziol Eksp Ter** 1985 May-Jun;(3):14-6 (Eng. Abstr.) **(Rus)**

[Cardiohemodynamic variants in the development of coronary insufficiency in patients with exercise-induced angina pectoris] Gaevskiĭ IuG, et al. **Ter Arkh** 1984; 56(12):19-22 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in the evaluation of healing of myocardial infarction] Malaia LT, et al. **Ter Arkh** 1985;57(5):52-8 (Eng. Abstr.) **(Rus)**

[Structural and functional modifications of phospholamban and regulation of calcium transport in the sarcoplasmic reticulum under conditions of metabolic cardiac insufficiency.] Antipenko AE, et al. **Ukr Biokhim Zh** 1985 Mar-Apr;57(2):10-5 (Eng. Abstr.) **(Rus)**

[Phosphorylation of cardiac sarcolemma proteins in isadrine myocarditis] Antipenko AE, et al. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):15-8 (Eng. Abstr.) **(Rus)**

[Glycogen metabolism in the brain and heart in ischemic myocardial necrosis and stress] Iakushev VS, et al. **Ukr Biokhim Zh** 1984 Sep-Oct;56(5):536-40 (Eng. Abstr.) **(Rus)**

[Adenine nucleotide and creatine phosphate levels in rat skeletal muscles and myocardium in myorelaxation] Krapivina OV. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):70-2 (Eng. Abstr.) **(Rus)**

[Transmembrane localization of cytosol proteins from the heart muscle in proteoliposomes] Lishko VK, et al. **Ukr Biokhim Zh** 1985 May-Jun;57(3):3-7 (Eng. Abstr.) **(Rus)**

[Effect of lactate on the effectiveness of glucose and succinate oxidation by myocardium homogenates] Ovchinnikov IV, et al. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):72-5 (Eng. Abstr.) **(Rus)**

[Incorporation of radioactive phosphorus into creatine phosphate of the rabbit myocardium in experimental coronary insufficiency] Voronkov GS, et al. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):67-9 (Eng. Abstr.) **(Rus)**

[Hyperthyroid cardiomyopathy: disorders in the creatine transport system and increased sensitivity to ischemic damage] Seppet EK, et al. **Vestn Akad Med Nauk SSSR** 1984;(10):48-56 (Eng. Abstr.) **(Rus)**

[Effect of Arzni carbon dioxide baths on the myocardial GABA system in focal metabolic lesions (an experimental study)] Movsesian TG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jul-Aug;(4):15-9 (Eng. Abstr.) **(Rus)**

[Mechanism of action of sodium oxybutyrate in experimental myocardial infarction] Bashirova NS, et al. **Vopr Med Khim** 1985 May-Jun;31(3):61-4 (Eng. Abstr.) **(Rus)**

[Metabolic effect of gutimine on the myocardial tissue in blood loss] Boiarinov GA, et al. **Vopr Med Khim** 1985 Jan-Feb;31(1):54-8 (Eng. Abstr.) **(Rus)**

[Changes in the phospholipid-phospholipid ratio and lipid peroxidation in the heart muscle in experimental myocardial infarction before and after combined antioxidant therapy] Engibarian AA, et al. **Vopr Med Khim** 1985 Jan-Feb;31(1):43-7 (Eng. Abstr.) **(Rus)**

[Polymerization of Straub's actin in patients with myocardial infarction and in experimental occlusion of coronary arteries] Karsanov NV, et al. **Vopr Med Khim** 1985 May-Jun;31(3):53-7 (Eng. Abstr.) **(Rus)**

[Biosynthesis of phospholipids in the myocardium during the chronic inflammatory bronchopulmonary process] Kazarian PA. **Vopr Med Khim** 1984 Sep-Oct;30(5):90-2 (Eng. Abstr.) **(Rus)**

[Metabolism of fatty acids in the healthy myocardium and in ischemia] Matiushin IF, et al. **Vopr Med Khim** 1984 Sep-Oct;30(5):2-13 (156 ref.) (Eng. Abstr.) **(Rus)**

[Role of sialic acid loss in the myocardium in depressing the contractile function of the heart muscle during stress] Meerson FZ, et al. **Vopr Med Khim** 1985 Mar-Apr; 31(2):118-20 (Eng. Abstr.) **(Rus)**

[Prevention of impairment of myocardium metabolism and function in immobilization stress using previous adaptation to short stress exposures] Meerson FZ, et al. **Vopr Med Khim** 1985 May-Jun;31(3):41-5 (Eng. Abstr.) **(Rus)**

[Mechanism of disruption in the metabolism of the cyclic AMP system in myocardial tissue in allergic deterioration] Miroshnichenko VP, et al. **Vopr Med Khim** 1984 Sep-Oct; 30(5):59-62 (Eng. Abstr.) **(Rus)**

[Biosynthesis of nucleic acids and proteins in different time periods of development in experimental myocarditis] Paskevich IF, et al. **Vopr Med Khim** 1985 Jan-Feb; 31(1):93-6 (Eng. Abstr.) **(Rus)**

[Biochemical aspects of enkephalin participation in the regulation of adrenergic effects on myocardium] Pavlenko VS, et al. **Vopr Med Khim** 1984;30(6):64-7 (Eng. Abstr.) **(Rus)**

[Ca2+-dependent phosphorylation and ATPase activity of cardiac muscle myosin in experimental myocardial infarction] Printsev MD, et al. **Vopr Med Khim** 1984; 30(6):68-71 (Eng. Abstr.) **(Rus)**

[Lipid metabolism of the heart in ischemia and postischemic reperfusion] Toleĭkis AI, et al. **Vopr Med Khim** 1985 Mar-Apr;31(2):102-5 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation in myocardial mitochondria and the sarcoplasmic reticulum in short-term impairment of coronary circulation] Tsiomik VA. **Vopr Med Khim** 1985 Jan-Feb;31(1):109-11 (Eng. Abstr.) **(Rus)**

[Use of sodium succinate in patients with a history of myocardial infarction] Aktaeva IN, et al. **Vrach Delo** 1985 Jun;(6):6-8 (Eng. Abstr.) **(Rus)**

[Changes in the electrolyte composition of the heart, liver and kidneys of the rat in pre- and postnatal ontogeny] Denisova LA, et al. **Zh Evol Biokhim Fiziol** 1985 Jan-Feb; 21(1):13-8 (Eng. Abstr.) **(Rus)**

[Changes in the activity of Ca2+ stimulated membrane ATPase and calcium binding in the myocardium in cardiac hypertrophy in rats induced by catecholamines] Džurba A, et al. **Bratisl Lek Listy** 1985 Apr;83(4):425-32 (Eng. Abstr.) **(Slo)**

[Comparison of metabolic changes in the occlusion of anatomically different sections of the coronary bed] Ziegelhöffer A. **Cesk Fysiol** 1984;33(4):353-8 **(Slo)**

[Study of the individual factor and the plasma-organ concentration relationship in rats treated with dipyridamol. I. The heart] Jiménez-Castellanos R, et al. **Boll Chim Farm** 1984 Jul;123(7):322-9 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Effects of exercise to exhaustion in rat myocardium. A stereological study. Lucena MC, et al. **Acta Cardiol (Brux)** 1984;39(6):463-77

Highly refractile myocardial echoes in familial amyloidosis with polyneuropathy. A correlative echocardiographic and histopathological study. Eriksson P, et al. **Acta Med Scand** 1985;217(1):27-32

Left ventricular dimensions and systolic function in young adults with mild hypertension. Nielsen I. **Acta Med Scand [Suppl]** 1985;693:57-60

Myocardial ischaemia in asphyxia neonatorum. Electrocardiographic, enzymatic and histological correlations. Primhak RA, et al. **Acta Paediatr Scand** 1985 Jul;74(4):595-600

Disturbances of the heart structure and function in chronic hemolytic anemia, their compensation with increased coronary flow, and their prevention with ionol, an inhibitor of lipid peroxidation. Meerson FZ, et al. **Adv Myocardiol** 1985;5:201-11

Catecholamine-induced necrosis and hypertrophy. Hemodynamic factors. Middleton KM, et al. **Adv Myocardiol** 1985;6:339-48

Quantitation of cardiac messenger RNA in heart-muscle biopsies. Zähringer J, et al. **Adv Myocardiol** 1985;6:285-95

Enzymatic assessment of myocardial necrosis after cardiac surgery: differentiation from skeletal muscle damage, hemolysis, and liver injury. Willems GM, et al. **Am Heart J** 1985 Jun;109(6):1243-52

Three autopsy cases of progression to left ventricular dilatation in patients with hypertrophic cardiomyopathy. Yutani C, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):545-53

Effect of weight loss on cardiac chamber size, wall thickness and left ventricular function in morbid obesity. Alpert MA, et al. **Am J Cardiol** 1985 Mar 1;55(6):783-6

Echocardiographic ventricular shape analysis in congenital heart disease with right ventricular volume or pressure overload. Azancot A, et al. **Am J Cardiol** 1985 Sep 15; 56(8):520-6

Comparison of M-mode echocardiographic measurement of right ventricular wall thickness obtained by the subcostal and parasternal approach in children. Cooper MJ, et al. **Am J Cardiol** 1984 Oct 1;54(7):835-8

Relation between the transmural extent of acute myocardial infarction and associated myocardial contractility two weeks after infarction. Ellis SG, et al. **Am J Cardiol** 1985 May 1;55(11):1412-6

Dissociation between two-dimensional echocardiographic left ventricular wall motion and myocardial salvage in early experimental acute myocardial infarction in dogs. Hammerman H, et al. **Am J Cardiol** 1984 Oct 1;54(7):875-9

Anatomic and hemodynamic effects of catheter-delivered ablation energies in the ventricle. Kempf FC Jr, et al. **Am J Cardiol** 1985 Aug 1;56(4):373-7

Occluding clot in the left main coronary artery with survival long enough to develop massive left ventricular wall necrosis. Mas IJ, et al. **Am J Cardiol** 1985 Apr 15; 55(9):1218-20

Effects of repeated brief coronary occlusion on regional left ventricular function and dimension in dogs. Nicklas JM, et al. **Am J Cardiol** 1985 Sep 1;56(7):473-8

Effects of calcium-channel blockers on myocardial preservation during experimental acute myocardial infarction. Reimer KA, et al. **Am J Cardiol** 1985 Jan 25; 55(3):107B-115B (83 ref.)

The king of hearts: analysis of 23 patients with hearts weighing 1,000 grams or more. Roberts WC, et al. **Am J Cardiol** 1985 Feb 1;55(4):485-94

Small left atrium and change in contour of the ventricular septum in total anomalous pulmonary venous connection: a morphometric analysis of 22 infant hearts. Rosenquist GC, et al. **Am J Cardiol** 1985 Mar 1;55(6):777-82

Pathoanatomic correlates of regional left ventricular wall motion assessed by equilibrium radionuclide angiocardiography: a postmortem correlation. Sinusas AJ, et al. **Am J Cardiol** 1984 Nov 1;54(8):975-81

Effect of various regimens of chronic and acute nicotine exposure on myocardial infarct size in the dog. Sridharan MR, et al. **Am J Cardiol** 1985 May 1;55(11):1407-11

The heart in massive (more than 300 pounds or 136 kilograms) obesity: analysis of 12 patients studied at necropsy. Warnes CA, et al. **Am J Cardiol** 1984 Nov 1; 54(8):1087-91

Pathological aspects of transcutaneous cardiac pacing. Kicklighter EJ, et al. **Am J Emerg Med** 1985 Mar; 3(2):108-13

Clinicopathological study of the heart and coronary arteries of autopsied cases from the community of Hisayama during a 10-year period. Part V. Comparison of autopsy findings with electrocardiograms--Q.QS items of the Minnesota Code. Hiyoshi Y, et al. **Am J Epidemiol** 1985 Jun; 121(6):906-13

Caffeine-induced myocardial injury in calcium-free perfused rat hearts. Vander Heide RS, et al. **Am J Pathol** 1985 Jan; 118(1):55-65

Left ventricular failure induced by myocardial infarction. I. Myocyte hypertrophy. Anversa P, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H876-82

Left ventricular failure induced by myocardial infarction. II. Tissue morphometry. Anversa P, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H883-9

Myocardial perfusion in compensated and failing hypertrophied left ventricle. Parrish DG, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H534-9

Abnormalities of the coronary microcirculation in acute murine Chagas' disease. Factor SM, et al. **Am J Trop Med Hyg** 1985 Mar;34(2):246-53

Postcountershock myocardial damage after pretreatment with adrenergic and calcium channel antagonists in halothane-anesthetized dogs. Gaba DM, et al. **Anesthesiology** 1985 May;62(5):610-4

Right ventricular endomyocardial biopsy in undetermined form of Chagas' disease. Mady C, et al. **Angiology** 1984 Dec;35(12):755-9

Relaxation measurements in excised and perfused organs. Chambron G, et al. **Ann Ist Super Sanita** 1983;19(1):127-36

Comparison of the effectiveness of myocardial preservation in right atrium and left ventricle. Chen YF, et al. **Ann Thorac Surg** 1985 Jul;40(1):25-30

Effects of simulated clinical cardiopulmonary bypass and cardioplegia on mass of the canine left ventricle. Rosenblum HM, et al. **Ann Thorac Surg** 1985 Feb; 39(2):139-48

Pathology of the heart in drowning. Karch SB. **Arch Pathol Lab Med** 1985 Feb;109(2):176-8

Coronary ostial bar. Steele A. **Arch Pathol Lab Med** 1985 May;109(5):469-70

Dilated cardiomyopathy associated with Friedreich's ataxia. Steinsapir K, et al. **Arch Pathol Lab Med** 1985 May; 109(5):454-6

Drug-induced cardionecrosis. Godfraind T. **Arch Toxicol [Suppl]** 1984;7:1-15

Cardiac sarcoplasmic reticulum. Effects of an atherogenic diet during the neonatal and juvenile period. Jacobson MS, et al. **Atherosclerosis** 1985 Apr;55(1):81-91

Diagnosis and management of acute myocarditis aided by serial myocardial biopsy. Feneley MP, et al. **Aust NZ J Med** 1984 Dec;14(6):826-30

Intracoronary hyperosmotic mannitol during reperfusion does not affect infarct size in ischemic, reperfused porcine hearts. Klein HH, et al. **Basic Res Cardiol** 1985 May-Jun; 80(3):251-9

Fentanyl, Na-pentobarbital and halothane influence myocardial infarct size. Mergner GW, et al. **Basic Res Cardiol** 1985 May-Jun;80(3):291-302

Cell size and capillary supply of the hypertensive rat heart: quantitative study. Rakusan K, et al. **Basic Res Cardiol** 1984 Jul-Aug;79(4):389-95

Calculation of a mean functional diameter of capillaries of isolated rabbit hearts and changes of this diameter during hypoxia. Pathophysiological and pharmacological studies. Löwe H, et al. **Biomed Biochim Acta** 1985;44(3):439-48

Pathology of the heart and the cardiac conduction system in Wegener's granulomatosis. Allen DC, et al. **Br Heart J** 1984 Dec;52(6):674-8

Experimental Trypanosoma cruzi cardiomyopathy in BALB/c mice: histochemical evidence of hypoxic changes in the myocardium. Rossi MA, et al. **Br J Exp Pathol** 1985 Apr;66(2):155-60

Lung, heart and liver lesions in adult red deer: a histopathological survey. Munro R, et al. **Br Vet J** 1985 Jul-Aug;141(4):388-96

Muscle fiber disarray in patients without hypertrophic cardiomyopathy. Milei J, et al. **Cardiology** 1985; 72(3):105-12

Intramyocardial coronary arterial changes in rheumatic mitral valve disease. Relation to left ventricular function. Subramanyan R, et al. **Cardiology** 1984;71(5):233-8

A comparative study on ischaemia- or anoxia-induced impairment of myocytic structure and cardiac function in the isolated, isovolumicly-contracting, perfused rat heart. van der Laarse A, et al. **Cardiovasc Res** 1984 Dec; 18(12):768-78

Endomyocardial biopsy: a review of the literature. Przybojewski JZ. **Cathet Cardiovasc Diagn** 1985; 11(3):287-330

Left ventricular endomyocardial biopsy in children with the transseptal long sheath technique. Rios B, et al. **Cathet Cardiovasc Diagn** 1984;10(4):417-23

Myocardial necrosis in a patient with mixed connective tissue disease. Kaplan K, et al. **Chest** 1985 Jun;87(6):831-2

Role of glycolytic products in damage to ischemic myocardium. Dissociation of adenosine triphosphate levels and recovery of function of reperfused ischemic hearts. Neely JR, et al. **Circ Res** 1984 Dec;55(6):816-24

The role of free radical-mediated processes in oxygen-related damage in cultured murine myocardial cells. Scott JA, et al. **Circ Res** 1985 Jan;56(1):72-7

Regional function and perfusion at the lateral border of ischemic myocardium. Homans DC, et al. **Circulation** 1985 May;71(5):1038-47

Impaired thickening of nonischemic myocardium during acute regional ischemia in the dog. Lima JA, et al. **Circulation** 1985 May;71(5):1048-59

Endomyocardial biopsy: the balance of success and failure. Mason JW. **Circulation** 1985 Feb;71(2):185-8

Mitral valve prolapse related to geometric changes of the heart in cases of progressive muscular dystrophy [letter] Cheng TO. **Clin Cardiol** 1985 Jan;8(1):63

The relationship between the electrocardiographically estimated infarct size and 1- and 2-year survival in acute myocardial infarction. Herlitz J, et al. **Clin Cardiol** 1985 Mar;8(3):141-7

Mitral valve prolapse related to geometrical changes of the heart in cases of progressive muscular dystrophy. Yazawa Y. **Clin Cardiol** 1984 Apr;7(4):198-204

Endomyocardial biopsy. Dougherty JE, et al. **Conn Med** 1985 Feb;49(2):69-72

Effect of increased levels of free fatty acids on the size of the ischaemic area. Pérez-Medina T, et al. **Cor Vasa** 1985; 27(1):87-91

Ultrasound characteristics of myocardial hypertrophy in patients affected by hypertrophic cardiomyopathy. Gregor P, et al. **Czech Med** 1985;8(1):15-24

Insulin resistance in the heart: studies on isolated cardiocytes of genetically obese Zucker rats. Eckel J, et al. **Endocrinology** 1985 Apr;116(4):1529-34

Myocardial infarct size: correlation with cardiac arrhythmias and sudden death. Grande P, et al. **Eur Heart J** 1984 Aug; 5(8):622-7

An ultrastructural study on ischemic lesions in rabbits' hearts with pressure overload and hyperlipidemia. Kuwao S, et al. **Exp Mol Pathol** 1985 Apr;42(2):234-50

A low dose of a calcium antagonist (nitrendipine) ameliorates cardiac and renal lesions induced by DOC in the rat. Nickerson PA. **Exp Mol Pathol** 1984 Dec;41(3):309-20

Diagnosis of cardiac amyloidosis made by ultrastructural examination of endomyocardial biopsy. A case report. Arbustini E, et al. **G Ital Cardiol** 1984 Jul;14(7):512-6

Left ventricular function and myocardial structure in aortic valve disease before and after surgery. Krayenbuehl HP, et al. **Herz** 1984 Oct;9(5):270-8

Dilated (congestive) cardiomyopathy: a syndrome of severe cardiac dysfunction with remarkably few morphological features of myocardial damage. Rose AG, et al. **Histopathology** 1985 Apr;9(4):367-79

The demonstration of cardiac pathology using perfusion-fixation. Thomas AC, et al. **Histopathology** 1985 Jan;9(1):5-19

Association of eosinophils with cardiac rupture. Atkinson JB, et al. **Hum Pathol** 1985 Jun;16(6):562-8

What is the role of myocardial mast cells? Estensen RD. **Hum Pathol** 1985 Jun;16(6):536-8 (20 ref.)

Monoclonal antibody identification of mononuclear cells in endomyocardial biopsy specimens from a patient with rheumatic carditis. Marboe CC, et al. **Hum Pathol** 1985 Apr;16(4):332-8

Pathophysiology and clinical implications of early structural changes. **Hypertension** 1984 Nov-Dec;6(6 Pt 2):III1-187

Myocardial cell hypertrophy or hyperplasia. Oparil S, et al. **Hypertension** 1984 Nov-Dec;6(6 Pt 2):III38-43

Tricuspid atresia with overriding imperforate tricuspid membrane: an anatomic variant. Ottenkamp J, et al. **Int J Cardiol** 1984 Nov;6(5):599-613

Disseminated intravascular coagulation and acute myocardial necrosis caused by lightning. Ekoé JM, et al. **Intensive Care Med** 1985;11(3):160-2

Evaluation of mitoxantrone cardiac toxicity by nuclear angiography and endomyocardial biopsy: an update. Benjamin RS, et al. **Invest New Drugs** 1985;3(2):117-21

Architecture of the myocardium in computed tomography. Lunkenheimer PP, et al. **Invest Radiol** 1984 Jul-Aug; 19(4):273-8

Noninvasive assessment of pacemaker hemodynamics by Doppler echocardiography: importance of left atrial size. Labovitz AJ, et al. **J Am Coll Cardiol** 1985 Jul;6(1):196-200

Cardioneuropathy and extracardiac neural disease. Rossi L. **J Am Coll Cardiol** 1985 Jun;5(6 Suppl):66B-70B

Two-dimensional echocardiographic monitoring during percutaneous endomyocardial biopsy. Strachovsky G, et al. **J Am Coll Cardiol** 1985 Sep;6(3):609-11

Cardiac histologic findings in patients with life-threatening ventricular arrhythmias of unknown origin. Sugrue DD, et al. **J Am Coll Cardiol** 1984 Nov;4(5):952-7

Lymphocytic myocarditis presenting as unexplained ventricular arrhythmias: diagnosis with endomyocardial biopsy and response to immunosuppression. Vignola PA, et al. **J Am Coll Cardiol** 1984 Oct;4(4):812-9

Global cardiac remodeling after acute myocardial infarction: a study in the rat model. Weisman HF, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1355-62

Interrelationship of dietary Mg intake and electrolyte homeostasis in hamsters: I. Severe Mg deficiency, electrolyte homeostasis, and myocardial necrosis. Chang C, et al. **J Am Coll Nutr** 1985;4(2):173-85

Loffler's eosinophilic endomyocardial disease. Pandit SP, et al. **J Assoc Physicians India** 1984 Oct;32(10):922-4

Mepindolol reduces myocardial necrosis in rats with coronary artery occlusion. Chiariello M, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):525-31

Reduction of sympathetic inotropic response after ischemia in dogs. Contributor to stunned myocardium. Ciuffo AA, et al. **J Clin Invest** 1985 May;75(5):1504-9

Hepatic malignant hemangioendothelioma with cardiac tamponade. Techapaitoon S, et al. **J Med Assoc Thai** 1984 May;67(5):295-8

Quantifying cell death in the myocardium: myosin specific antibody in the evaluation of membrane defects. Haber E. **J Mol Cell Cardiol** 1985 Jul;17 Suppl 2:53-8

Biochemical and structural correlates in unloaded and reloaded cat myocardium. Kent RL, et al. **J Mol Cell Cardiol** 1985 Feb;17(2):153-65

Pressure-induced hypertrophy in hearts of dwarf pigs. Langes K, et al. **J Mol Cell Cardiol** 1984 Dec; 16(12):1151-60

Changes in cardiac ultrastructure and myofibrillar proteins during ischemia in dogs, with special reference to changes in Z lines. Sashida H, et al. **J Mol Cell Cardiol** 1984 Dec; 16(12):1161-72

Myocardial pathology of domestic ruminants in southern Africa. Newsholme SJ, et al. **J S Afr Vet Assoc** 1984 Jun; 55(2):89-96

Ultrastructural and ultrahistochemical studies of post-mortem changes and effects of hypoxia in the bony fish heart. Leknes IL. **J Submicrosc Cytol** 1985 Apr; 17(2):223-8

Myocardial biopsy drill: construction details and techniques. Breyer RH, et al. **J Surg Res** 1985 Feb;38(2):134-7

Compliance, mass, and shape of the canine left ventricle after global ischemia analyzed with two-dimensional echocardiography. Lazar HL, et al. **J Surg Res** 1985 Sep; 39(3):199-208

Number and size of myocytes, amount of interstitial space and extent of disarray of the hearts in patients with systemic hypertension and asymmetric septal hypertrophy. Fujiwara H, et al. **Jpn Circ J** 1985 Apr;49(4):406-14

Macroscopic hemorrhagic infarction following selective coronary thrombolysis in acute myocardial infarction. Fujiwara H, et al. **Jpn Circ J** 1985 Jun;49(6):649-52

Progression from hypertrophic obstructive cardiomyopathy to typical dilated cardiomyopathy-like features in the end stage. Fujiwara H, et al. **Jpn Circ J** 1984 Nov;48(11):1210-4

Effects of intracoronary thrombolysis on infarct size and left ventricular function in patients with anterior myocardial infarction--enzymatic, electrocardiographic, radionuclide and hemodynamic evaluations. Murakami T, et al. **Jpn Circ J** 1985 Jun;49(6):605-15

Histopathological findings of acute and convalescent myocarditis obtained by serial endomyocardial biopsy. Yu ZX et al. **Jpn Circ J** 1984 Dec;48(12):1368-74

The anatomo-pathological findings in Jatene's procedure. Buchler JR, et al. **Jpn Heart J** 1984 Jul;25(4):547-64

Necropsy finding in a patient with apical hypertrophic cardiomyopathy. Sumino S, et al. **Jpn Heart J** 1985 Mar; 26(2):297-303

Rabbit hearts for the critical evaluation of drugs to reduce the size of experimentally produced acute myocardial infarction. Toyooka T, et al. **Jpn Heart J** 1984 Jul; 25(4):623-32

Observations on the effects of CO2-laser on rat myocardium. Owen ER, et al. **Microsurgery** 1984;5(3):140-3

Relationship between structural and ionic changes in cardiosclerosis. Căluşer I, et al. **Morphol Embryol (Bucur)** 1985 Jan-Mar;31(1):25-9

Myocardial lesions in experimental acute heart failure. Laky D, et al. **Morphol Embryol (Bucur)** 1984 Jul-Sep; 30(3):223-7

The effect of beta-adrenoceptor blocking agents on evolving myocardial necrosis in coronary ligated rats with and without reperfusion. Bernauer W. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):288-94

Cardiopathology of sinoatrial block in horses. Kiryu K, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):45-54

Anatomopathology of the normal and abnormal AV conduction system. Rossi L. **PACE** 1984 Nov;7(6 Pt 2):1101-7 (25 ref.)

Exercise and the heart. A review of cardiac pathology associated with physical activity. Virmani R, et al. **Pathol Annu** 1985;20 Pt 2:431-62 (101 ref.)

Human cardiac transplantation--evaluation of morphological changes in serial endomyocardial biopsies. Gokel JM, et al. **Pathol Res Pract** 1985 Jan;179(3):354-64

Necrosis of aorta, myocardium and brain in rabbits following orthostatic shock: main aortic involvement. Lopes de Faria J, et al. **Pathol Res Pract** 1985 Jan;179(3):365-9

Changes in atrial biopsies in chronic rheumatic heart disease. II: Muscle fibre reaction. Vevaina SC, et al. **Pathol Res Pract** 1985 May;179(6):600-9

Myocardial necrosis in the newborn. deSa DJ, et al. **Perspect Pediatr Pathol** 1984 Winter;8(4):295-311

A cytophotometric and karyometric study of the cardiac muscle cells of young rats exposed to intermittent high altitude hypoxia. Arefyeva AM, et al. **Physiol Bohemoslov** 1985;34(1):94-6

Role of cardiac biopsy in the diagnosis and management of cardiac disease. Fowles RE, et al. **Prog Cardiovasc Dis** 1984 Nov-Dec;27(3):153-72 (68 ref.)

Radiation-induced heart disease: an update. Stewart JR, et al. **Prog Cardiovasc Dis** 1984 Nov-Dec;27(3):173-94 (105 ref.)

Cellular hyperplasia and hypertrophy, capillary proliferation and myoglobin concentration in the heart of newborn and adult rats at high altitude. Pietschmann M, et al. **Respir Physiol** 1985 Mar;59(3):347-60

Absence of evidence of myocarditis in endomyocardial biopsy specimens from patients with dilated (congestive) cardiomyopathy. Rose AG, et al. **S Afr Med J** 1984 Dec 8;66(23):871-4

Severe angina and a systolic murmur [clinical conference] Uys CJ, et al. **S Afr Med J** 1985 Mar 30;67(13):512-8

Pathology of the heart in the aged. Steiner I. **Sb Ved Pr Lek Fak Univ Karlovy** 1983;26(2):175-209 (67 ref.)

Cardiac failure without cardiomegaly [clinical conference] **Scott Med J** 1984 Jan;29(1):34-41

Myocardial damage from acute cerebral lesions. Kolin A, et al. **Stroke** 1984 Nov-Dec;15(6):990-3

Diffuse myocardial fibrosis and congestive heart failure in an adult male chimpanzee. Hansen JF, et al. **Vet Pathol** 1984 Sep;21(5):529-31

Experimental viral myocarditis: parvoviral infection of neonatal pups. Meunier PC, et al. **Vet Pathol** 1984 Sep; 21(5):509-15

Primary cardiac granular cell tumor in a dog. Sanford SE, et al. **Vet Pathol** 1984 Sep;21(5):489-94

Morphological changes in human myocardium during permanent pacing. Châtelain P, et al. **Virchows Arch** [A] 1985;407(1):43-57

Human cardiac transplants. Diagnosis of rejection by endomyocardial biopsy. Causes of death (about 30 autopsies). Chomette G, et al. **Virchows Arch** [A] 1985; 407(3):295-307

Cardiomyopathy associated with Leigh's disease. Langes K, et al. **Virchows Arch** [A] 1985;407(1):97-105

Histochemistry of sulfhydryls in acute myocardial infarction. Roberts WH, et al. **Virchows Arch** [A] 1985;407(3):289-94

[Prophylactic effect of coenzyme Q10 on isoproterenol-induced myocardial necrosis in rats] Meng XZ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Mar;13(1):55-7, 77 (Eng. Abstr.) **(Chi)**

[Clinical application of endomyocardial biopsy—report of 36 cases] Sun JC. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Jun; 12(2):99-100 **(Chi)**

[Reversible left anterior bundle-branch block caused by acute myocardial ischemia] Liu GS. **Chung Hua I Hsueh Tsa Chih** 1984 Nov;64(11):676-80 (Eng. Abstr.) **(Chi)**

[Calcification in the heart. II. Massive calcification of the myocardium] Steiner I. **Cesk Patol** 1985 May;21(2):96-101 (Eng. Abstr.) **(Cze)**

[Significance of endomyocardial biopsy for heart transplantation] Urbanová D, et al. **Cesk Patol** 1985 Feb; 21(1):8-11 (Eng. Abstr.) **(Cze)**

[Fatty infiltration of the heart. Cause of sudden death in connection with physical exertion] Johannessen AC, et al. **Ugeskr Laeger** 1984 Dec 31;147(1):25 (Eng. Abstr.) **(Dan)**

[Myocardial biopsy] Nieminen M. **Duodecim** 1985; 101(2):151-4 **(Fin)**

[Primary angiosarcoma of the heart. Histoenzymological and ultrastructural study of a case] Chomette G, et al. **Arch Anat Cytol Pathol** 1984;32(5):311-5 (Eng. Abstr.) **(Fre)**

[Right intraventricular biopsy. Indications and results. 116 cases] Ferriere M, et al. **Presse Med** 1985 Apr 6; 14(14):773-6 (Eng. Abstr.) **(Fre)**

[Cardiovascular study of the horse: relation between the vascular and tissue changes in the myocardium. III. Results] Dudan F, et al. **Schweiz Arch Tierheilkd** 1985 May; 127(5):319-38 **(Fre)**

[Cardiovascular study of the horse: relation between vascular and tissue changes in the myocardium. 2.] Dudan F, et al. **Schweiz Arch Tierheilkd** 1984 Oct;126(10):527-38 (Eng. Abstr.) **(Fre)**

[Light and electron microscopic studies of the brain, heart and pancreas in mice infected with MengoM virus] Schmidt R, et al. **Acta Histochem (Jena)** 1984;75(1):47-62 (Eng. Abstr.) **(Ger)**

[Dilated cardiomyopathy in childhood: intravital differentiation of endocardial fibroelastosis using transvascular endomyocardial biopsy] Schmaltz AA, et al. **Herz** 1984 Aug;9(4):237-43 (Eng. Abstr.) **(Ger)**

[Light and electron microscopy findings in early and late stages of heart failure. Studies of endomyocardial biopsies of patients with latent (LCM) and dilated (DCM) cardiomyopathy] Frenzel H, et al. **Z Kardiol** 1985 Mar; 74(3):135-43 (Eng. Abstr.) **(Ger)**

[Echocardiographic study of myocardial masses in primary hypertrophic cardiomyopathy and in hypertensive cardiomyopathy] Mottironi P, et al. **Minerva Cardioangiol** 1985 Mar;33(3):97-103 (Eng. Abstr.) **(Ita)**

[Involutional and senile changes in the heart and blood vessels] Giampalmo A, et al. **Pathologica** 1984 Sep-Oct; 76(1045):519-63 (243 ref.) (Eng. Abstr.) **(Ita)**

[Histopathological diagnosis of early stages of myocardial infarction--applications of the improved hematoxylin basic fuchsin picric acid (HBFP) staining method to human autopsy hearts] Fujita M, et al. **Hokkaido Igaku Zasshi** 1985 May;60(3):313-20 (Eng. Abstr.) **(Jpn)**

[Hypertrophic obstructive cardiomyopathy with extensive myocardial fibrosis: case report with autopsy] Hirama M, et al. **Hokkaido Igaku Zasshi** 1985 Mar;60(2):195-205 (Eng. Abstr.) **(Jpn)**

[Studies on alteration in biventricular dimensions during stepped elevation in pulmonary arterial pressure with special reference to right ventricular bellows action] Morimoto H, et al. **Hokkaido Igaku Zasshi** 1984 Nov; 59(6):775-86 (Eng. Abstr.) **(Jpn)**

[Evaluation of septal hypertrophy and wall dynamics by biventricular cineangiography and endomyocardial biopsy] Genda A, et al. **J Cardiogr** 1984;14 Suppl 4:101-10 (Eng. Abstr.) **(Jpn)**

[Regional myocardial contraction in ischemic heart disease: evaluation of regional myocardial thickening by two-dimensional echocardiography] Takarada A, et al. **J Cardiogr** 1984 Jun;14(1):49-58 (Eng. Abstr.) **(Jpn)**

[Correlation of electrophysiological data to pathological findings of the right atrium in supraventricular arrhythmia] Ishida K, et al. **Kokyu To Junkan** 1985 Mar;33(3):289-94 (Eng. Abstr.) **(Jpn)**

[Healing of operative cardiac wounds] Tamura K, et al. **Nippon Geka Gakkai Zasshi** 1985 Apr;86(4):482-8 (Eng. Abstr.) **(Jpn)**

[Sudden death in methamphetamine abusers: a histological study of the heart] Matoba R, et al. **Nippon Hoigaku Zasshi** 1984 Apr;38(2):199-205 (Eng. Abstr.) **(Jpn)**

[A histo-pathological study on the myocardial lesions in KK mice, with special reference to the causative factors and prevention of deterioration of the disease condition] Tomita Y. **Nippon Ika Daigaku Zasshi** 1984 Oct;51(5):601-14 (Eng. Abstr.) **(Jpn)**

[Clinical significance of myocardial biopsy] Sekiguchi M, et al. **Nippon Rinsho** 1984 Dec;42(12):2781-90 (60 ref.) **(Jpn)**

[Pathology of the heart in collagen disease] Kawai S, et al. **Ryumachi** 1984 Aug;24(4):272-87 (137 ref.) **(Jpn)**

[The extent of necrosis determined on the basis of serial CK-MB tests and the clinical course of recent myocardial infarction] Opolski G, et al. **Kardiol Pol** 1984;27(6):425-32 (Eng. Abstr.) **(Pol)**

[Morphologic indicators of right-ventricular diastolic capacity in hypertrophic cardiomyopathy] Tendera M, et al. **Kardiol Pol** 1984;27(4):249-55 (Eng. Abstr.) **(Pol)**

[Morphological and ultrastructural indicators of early cardiotoxicity in rats after the administration of rubidomycin and its derivatives] Chibowski D, et al. **Patol Pol** 1984 Oct-Dec;35(4):453-79 (Eng. Abstr.) **(Pol)**

[Evaluation of selected indicators of the extension of the necrotic area in myocardial infarction] Mazur-Cichocka M, et al. **Pol Tyg Lek** 1984 Nov 12;39(46):1497-500 (Eng. Abstr.) **(Pol)**

[Cicatrized Chagas cardiopathy. Report of a case] de Almeida EA, et al. **Arq Bras Cardiol** 1984 Dec;43(6):429-32 (Eng. Abstr.) **(Por)**

[Morphological characteristics of hemorrhagic myocardial infarction] Galankina IE. **Arkh Patol** 1985;47(2):36-44 (Eng. Abstr.) **(Rus)**

[Atherosclerotic stenosis of the coronary arteries and contraction lesions of the myocardium in sudden coronary death] Zhdanov VS, et al. **Arkh Patol** 1985;47(3):14-9 (Eng. Abstr.) **(Rus)**

[Morphological bases of myocardial revascularization by laser radiation] Eliseenko VI, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):737-9 (Eng. Abstr.) **(Rus)**

[Method of determining the area of nonperfused myocardium during coronary-occlusion ischemia using trypan blue-stained microspheres] Kogan AKh, et al. **Farmakol Toksikol** 1984 Nov-Dec;47(6):94-5 (Eng. Abstr.) **(Rus)**

[Effect of systemic thrombolytic therapy on necrotic focus formation in myocardial infarct patients] Golikov AP, et al. **Kardiologiia** 1984 Sep;24(9):47-50 (Eng. Abstr.) **(Rus)**

[Clinico-morphologic features of idiopathic hypertrophic subaortic stenosis] Ovodova NF, et al. **Kardiologiia** 1984 Aug;24(8):20-3 **(Rus)**

[Functiono-morphological principles of classification of mitral valve stenosis] Pokrovskaia IV, et al. **Kardiologiia** 1984 Jul;24(7):30-3 (Eng. Abstr.) **(Rus)**

[Myocardial changes in short-term hyperthermia] Sobolevskiĭ VI, et al. **Kardiologiia** 1984 Jul;24(7):98-9 **(Rus)**

[Vectorcardiographic mapping in the evaluation of the severity of myocardial infarct] Stepanov AV, et al. **Kardiologiia** 1984 Oct;24(10):27-30 (Eng. Abstr.) **(Rus)**

[Determination of the necrotic mass in inferior myocardial infarct by standard electrocardiography] Vinogradov AV, et al. **Kardiologiia** 1985 Apr;25(4):25-8 (Eng. Abstr.) **(Rus)**

[Clinical significance of the size of the necrotic area and the rate of its formation in the acute period of myocardial infarct] Vinogradov AV, et al. **Kardiologiia** 1984 Sep;24(9):31-4 (Eng. Abstr.) **(Rus)**

[Functiono-morphological changes in the cardiovascular system in acute occlusion and after revascularization of the cranial mesenteric artery] Volkoedov VS, et al. **Kardiologiia** 1984 Jul;24(7):87-91 (Eng. Abstr.) **(Rus)**

[Importance of a comprehensive evaluation of the size of cardiac muscle necrosis for the prognosis and treatment of acute myocardial infarct patients] Zharov EI, et al. **Kardiologiia** 1984 Sep;24(9):39-44 (Eng. Abstr.) **(Rus)**

[Morphological study of the myocardium of monkeys after anti-orthostatic hypokinesia] Kaplanskiĭ AS, et al. **Kosm Biol Aviakosm Med** 1984 Nov-Dec;18(6):44-8 (Eng. Abstr.) **(Rus)**

[Clinico-morphological comparisons in myocardial infarction in patients with chronic bronchitis] Kubyshkin VF, et al. **Sov Med** 1984;(8):68-72 **(Rus)**

[The cellular basis of myocardial contractile insufficiency] Tsellarius IuG, et al. **Sov Med** 1985;(2):37-42 (45 ref.) **(Rus)**

[Treatment of hematoxylin- and eosin-stained histological specimens with other dyes] Mitiaeva NA, et al. **Sud Med Ekspert** 1985 Jan-Mar;28(1):45-6 **(Rus)**

[Acute intermittent porphyria and necrotic lesions of the myocardium] Bakshis IP, et al. **Ter Arkh** 1984;56(8):145-6 **(Rus)**

[Determining the area of myocardial damage by the method of sectorial scanning and its value for prognosis of the outcome of acute myocardial infarction] Charchoglian RA, et al. **Ter Arkh** 1985;57(5):68-72 (Eng. Abstr.) **(Rus)**

[Electrocardiographic methods in the diagnosis of focal cicatricial lesions of the myocardium in dilated cardiomyopathy] Riabykina GV, et al. **Ter Arkh** 1985;57(4):42-8 (Eng. Abstr.) **(Rus)**

[Clinico-morphological variants of myocardial hypertrophy in patients with ischemic heart disease and idiopathic myocarditis (problem of so-called secondary hypertrophic cardiomyopathy)] Saksonov SI, et al. **Ter Arkh** 1984;56(12):14-6 (Eng. Abstr.) **(Rus)**

[Morphometric and stereological analysis of myocardial hypertrophy of different etiologies] Nepomniashchikh LM, et al. **Vestn Akad Med Nauk SSSR** 1985;(1):65-74 (Eng. Abstr.) **(Rus)**

[Energy metabolism in the cerebral cortex in necrosis of the myocardium] Davydov VV, et al. **Vopr Med Khim** 1985 May-Jun;31(3):89-93 (Eng. Abstr.) **(Rus)**

[Suppurative myocarditis with rupture of the myocardium] Derimedved' VD, et al. **Vrach Delo** 1984 Aug;(8):17-9 **(Rus)**

[Structural basis and morphogenesis of ischemic heart disease in young persons] Kucher OM, et al. **Vrach Delo** 1985 Jan;(1):72-4 (Eng. Abstr.) **(Rus)**

[Morphofunctional changes in the myocardium after administration of adrenaline and phosphodiesterase inhibitors] Sergienko OV. **Vrach Delo** 1985 Mar;(3):36-9 (Eng. Abstr.) **(Rus)**

[Pathology review. Acute rheumatic fever—Aschoff nodule] Castillo-Staab M. **Bol Asoc Med PR** 1984 Jul;76(7):291-2 **(Spa)**

SECRETION

Secretory patterns of atrial natriuretic factor (ANF) by cultured cardiocytes of right and left atrium from newborn and adult rats. Cantin M, et al. **Clin Exp Hypertens [A]** 1985;7(5-6):685-705

Ischemia-induced local release of myocardial noradrenaline. Abrahamsson T, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S19-22

Neurally mediated and spontaneous release of noradrenaline in the ischemic and reperfused rat heart. Dart AM, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S45-9

Control of myocardial catecholamine release during acute ischemia. Forfar JC, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S33-9

Selected aspects of presynaptic modulation of noradrenaline release from the heart. Fuder H. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S2-7 (44 ref.)

Vicious cycle of catecholamines and K+ in cardiac ischemia. Hirche H, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S71-5

Paradoxical role of neuronal uptake for the locally mediated release of endogenous noradrenaline in the ischemic myocardium. Schömig A, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S40-4

ULTRASTRUCTURE

Studies on myocardial protection by cold fluorocarbon (made in China) cardioplegic solution: experiment on isolated rabbit heart. Pan TC, et al. **Acta Acad Med Wuhan** 1985;5(2):71-7

Is cardiac muscle a functional syncitium everywhere? Argibay JA, et al. **Acta Cient Venez** 1984;35(1):81-2

Ultrastructure of bony-fish heart tissue treated with beta-glycerophosphate/lead citrate or adenosine triphosphate/lead nitrate. Leknes IL. **Acta Histochem (Jena)** 1984;75(2):153-8

Gap junctions in the heart of the adult Protopterus aethiopicus. Scheuermann DW, et al. **Acta Morphol Neerl Scand** 1984 Jul;22(2):123-31

Essential features of endocardial and myocardial morphology: SEM and TEM studies. Koprla EC, et al. **Acta Physiol Hung** 1984;64(1):65-79

Ventricular collagen matrix and alterations. Caulfield JB, et al. **Adv Myocardiol** 1985;5:257-69

Extracellular structures in heart muscle. Robinson TF, et al. **Adv Myocardiol** 1985;5:243-55

Intercellular junctions and the cardiac intercalated disk. Severs NJ. **Adv Myocardiol** 1985;5:223-42

Morphometric analysis of calcium-tolerant myocytes isolated from the adult rat heart. Slade AM, et al. **Adv Myocardiol** 1985;6:3-12

Ultrastructure of cultured atrial cardiac muscle cells from adult rats. Moses RL, et al. **Am J Anat** 1984 Oct;171(2):191-206

A rapid method of staining ultrathin sections for surgical pathology TEM with the use of the microwave oven. Estrada JC, et al. **Am J Clin Pathol** 1985 May;83(5):639-41

Ultrastructural features of Adriamycin-induced skeletal and cardiac muscle toxicity. Doroshow JH, et al. **Am J Pathol** 1985 Feb;118(2):288-97

Ultrastructural damage associated with the Ca2+ paradox. The protective effect of Mn2+. Elz JS, et al. **Am J Pathol** 1984 Oct;117(1):131-9

Effects of anoxic or oxygenated reperfusion in globally ischemic, isovolumic, perfused rat hearts. Ganote CE, et al. **Am J Pathol** 1985 Jul;120(1):129-45

Synthesis and renal activity of rat atrial granules depend on extracellular volume. Ackermann U, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):R750-2

Measurements on the internal structure of freeze-fractured cardiac plasma membrane. Kordylewski L, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H297-304

Cell biology and protein composition of cardiac gap junctions. Manjunath CK, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H783-91 (45 ref.)

Structural analysis of pressure versus volume overload hypertrophy of cat right ventricle. Marino TA, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H371-9

Differences between cytoplasmic surfaces of deep-etched heart and liver gap junctions. Shibata Y, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H690-3

Response of canine cardiocyte lysosomes to ATP. Spanier AM, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H20-8

The effects of post-mortem changes and calcium depletion on the ultrastructure of myocardial cells in a teleost. Leknes IL. **Anat Anz** 1984;157(3):221-5

A functional identification of cardiac junctional sarcoplasmic reticulum. Brandt NR, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):739-45

Selectivity of acyl transfer between phospholipids: arachidonoyl transacylase in dog heart membranes. Reddy PV, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):381-8

Loss of calmodulin activity in cardiac sarcoplasmic reticulum after ischemia. Turla MB, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):617-20

Response of rat heart membranes and associated ion-transporting ATPases to dietary lipid. Abeywardena MY, et al. **Biochim Biophys Acta** 1984 Sep 19;776(1):48-59

Structure-function studies of canine cardiac sarcolemmal membranes. I. Estimation of receptor site densities. Colvin RA, et al. **Biochim Biophys Acta** 1985 Feb 14;812(3):601-8

Structure-function studies of canine cardiac sarcolemmal membranes. II. Structural organization of the sarcolemmal membrane as determined by electron microscopy and lamellar X-ray diffraction. Herbette LG, et al. **Biochim Biophys Acta** 1985 Feb 14;812(3):609-23

Subcellular distribution of the enzymes of the malate-aspartate shuttle in rat heart and effect of experimental cardiac hypertrophy. Mavrides C, et al. **Biosci Rep** 1985 Feb;5(2):95-100

Cardiac cell damage: a primary myocardial disease in streptozotocin-induced chronic diabetes. Seager MJ, et al. **Br J Exp Pathol** 1984 Oct;65(5):613-23

Lysosomal alterations in heart and liver of mice treated with doxorubicin. Gebbia N, et al. **Cancer Chemother Pharmacol** 1985;15(1):26-30

Connexon rearrangement in cardiac gap junctions: evidence for cytoskeletal control? Green CR, et al. **Cell Tissue Res** 1984;237(1):185-6

Morphological studies of different mitochondrial populations in monkey myocardial cells. Shimada T, et al. **Cell Tissue Res** 1984;238(3):577-82

Relationship between myocardial fiber direction and segment shortening in the midwall of the canine left ventricle. Freeman GL, et al. **Circ Res** 1985 Jan;56(1):31-9

Effect of reperfusion late in the phase of reversible ischemic injury. Changes in cell volume, electrolytes, metabolites, and ultrastructure. Jennings RB, et al. **Circ Res** 1985 Feb;56(2):262-78

Fate of intercellular junctions in isolated adult rat cardiac cells. Mazet F, et al. **Circ Res** 1985 Feb;56(2):195-204

Changes in morphology of endocytotic vesicles in cardiac capillary endothelial cells and myocytes of rats after treatment with adenine and AMP. Koke JR, et al. **Cytobios** 1985;42(166):81-5

Ultrastructure of heart muscle in short-term diabetic rats: influence of insulin treatment. Reinilä A, et al. **Diabetologia** 1984 Sep;27(3):397-402

Microsomal phosphorylase in rat heart: depletion following adrenalectomy and restoration by in vivo administration of dexamethasone. Narayanan N, et al. **Endocrinology** 1985 Oct;117(4):1544-9

Myocardial cell nucleus in cardiac overloading in the rat. Cluzeaud F, et al. **Eur Heart J** 1984 Dec;5 Suppl F:271-80

The ultrastructure of myocardial hypertrophy: why does the compensated heart fail? Legato MJ, et al. **Eur Heart J** 1984 Dec;5 Suppl F:251-69

Ultrastructural study of lysosomes in the myocardium of spontaneously hypertensive rats under chronic salt ingestion. Singh DN. **Exp Pathol** 1984;26(2):77-84

Interaction of potassium ions and tetrodotoxin (TTX) with inactivated sodium channels in isolated rat myocardial cells. Burnashev NA, et al. **Gen Physiol Biophys** 1984 Dec;3(6):507-9

Three-dimensional vascular architecture of the dog heart as revealed by injection replica scanning electron microscopy. Kajihara H, et al. **Hiroshima J Med Sci** 1985 Jun;34(2):165-71

Cardiac beta-adrenergic receptors in salt-dependent genetic hypertension. Limas C, et al. **Hypertension** 1985 Sep-Oct;7(5):760-6

Myocardial involvement in acromegaly. van den Heuvel PA, et al. **Int J Cardiol** 1984 Oct;6(4):550-3

Binding of glycolytic enzymes to cardiac sarcolemmal and sarcoplasmic reticular membranes. Pierce GN, et al. **J Biol Chem** 1985 Jun 10;260(11):6862-70

Structure of C protein purified from cardiac muscle. Hartzell HC, et al. **J Cell Biol** 1985 Jan;100(1):208-15

Ultrastructural localization of alpha-actinin and filamin in cultured cells with the immunogold staining (IGS) method. Langanger G, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1324-34

Responses of cultured cardiac myocytes to lysosomotropic compounds and methylated amino acids. Decker RS, et al. **J Cell Sci** 1985 Mar;74:119-35

Ultrastructural changes in gap junctions associated with CO2 uncoupling in frog atrial fibres. Mazet F, et al. **J Cell Sci** 1985 Mar;74:51-63

Stereospecific transport of triiodothyronine from plasma to cytosol and from cytosol to nucleus in rat liver, kidney, brain, and heart. Oppenheimer JH, et al. **J Clin Invest** 1985 Jan;75(1):147-54

Subcellular localization of the phospholipases A of rat heart: evidence for a cytosolic phospholipase A1. Nalbone G, et al. **J Lipid Res** 1985 Jan;26(1):104-14

Proteolysis of cardiac gap junctions during their isolation from rat hearts. Manjunath CK, et al. **J Membr Biol** 1985;85(2):159-68

A modified cleansing procedure to obtain large freeze-fracture replicas. De Mazière AM, et al. **J Microsc** 1985 Feb;137 (Pt 2):185-8

Influence of fixative osmolality on the morphometric determination of extracellular space in normal and reperfused ischaemic myocardium. Prickaerts JP, et al. **J Microsc** 1984 Aug;135 (Pt 2):169-79

Ultrastructural study of the myocardial wall of the atrio-ventricular canal during the development of the embryonic chick heart. Arrechedera H, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):885-95

Membrane damage and the pathogenesis of cardiomyopathies. Katz AM, et al. **J Mol Cell Cardiol** 1985 Jul;17 Suppl 2:11-20 (72 ref.)

The effect of zinc on vitamin D3-induced cardiac necrosis. Wrzołek MA. **J Mol Cell Cardiol** 1985 Feb;17(2):109-17

Histochemical, ultrastructural and cytochemical study of reperfusion effect on ischemic myocardial injury. Fukuhara T. **Jpn Circ J** 1985 Apr;49(4):432-45

Ultrastructural features of the endomyocardium in patients with eosinophilic heart disease. An endomyocardial biopsy study. Sekiguchi M, et al. **Jpn Circ J** 1984 Dec;48(12):1375-82

Origin of Aschoff nodule. An ultrastructural, light microscopic and histochemical evaluation. Chopra P. **Jpn Heart J** 1985 Mar;26(2):227-34

Intracardiac myxoma. Chopra P. **Jpn Heart J** 1985 May;26(3):457-62

The role of electron microscopy in cardiological diagnosis from our own studies. Rosnowski A, et al. **Mater Med Pol** 1984 Jan-Mar;16(1):19-25

Age-dependent alterations in rat ventricular myocardium:

a quantitative analysis. Schmucker DL, et al. **Mech Ageing Dev** 1985 Jun;31(1):89-101

Ultrastructural comparative study on lymphatic capillaries of the subendocardium, myocardium, and subepicardium of the heart left ventricle. Boucher Y, et al. **Microvasc Res** 1985 May;29(3):305-19

Ultrastructural studies of intercalated disc separations in the rat heart during the calcium paradox. Greve G, et al. **Res Exp Med (Berl)** 1985;185(3):195-206

Cardiac muscle development in mice exposed to ethanol in utero. Uphoff C, et al. **Teratology** 1984 Aug;30(1):119-29

Three types of cytoplasmic granules in cardiac muscle cells of cynomolgus monkeys (Macaca fascicularis). Jasty V, et al. **Vet Pathol** 1984 Sep;21(5):505-8

The effects of bilateral adrenalectomy on the fine structure of the rat myocardium. Kittas C, et al. **Zentralbl Allg Pathol** 1984;129(3):225-9

[Electron microscopic study of the myocardium in 2 cases of primary systemic amyloidosis] Boshnakova Ts, et al. **Vutr Boles** 1985;24(2):88-92 (Eng. Abstr.) **(Bul)**

[Electron microscopic observations on the protection of the ischemic myocardium in dogs by intermittent perfusion with cold cardioplegic solutions and intermittent perfusion with cold blood] Yao XJ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep;12(3):213-5, 239 (Eng. Abstr.) **(Chi)**

[Electron microscopic observations on endocardial and myocardial biopsy specimens in dilated cardiomyopathy] Li XZ. **Chung Hua I Hsueh Tsa Chih** 1984 Dec;64(12):753-5 **(Chi)**

[Reorganization of the microtubule network is associated with the growth of rat heart] Samuel JL, et al. **Arch Anat Cytol Pathol** 1985;33(2):95 **(Fre)**

[Experimental morphologic study of changes in the myocardium in alcoholic intoxication in the rat] Popescu E, et al. **Morphol Embryol (Bucur)** 1985 Jan-Mar;31(1):51-4 **(Fre)**

[The effect of heptacaine hydrochloride and trimecaine hydrochloride on the ultrastructure of the myocardium] Zelenay R, et al. **Pharmazie** 1985 Jan;40(1):64 **(Ger)**

[Structure and function of the myocardium from a biochemical aspect] Katagiri T, et al. **Kokyu To Junkan** 1985 Apr;33(4):497-506 (83 ref.) **(Jpn)**

[Myocardial ultrastructural changes and cardiac performance in valvular heart disease--a clinical study] Ozaki K. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Feb;33(2):147-60 (Eng. Abstr.) **(Jpn)**

[Toxic effect of carbon tetrachloride on the myocardium. II. Experimental part. B. Ultrastructure of the myocardium of rats in acute carbon tetrachloride poisoning] Dziadecki J. **Med Pr** 1984;35(5):317-22 (Eng. Abstr.) **(Pol)**

[Changes the structural elements of the organs of bats during periods of activity and hibernation] Klika E, et al. **Arkh Anat Gistol Embriol** 1984 Sep;87(9):47-52 (Eng. Abstr.) **(Rus)**

[Histologic organization of the myocardium of the rat during hypokinesia (stereologic study)] Nepomniashchikh LM, et al. **Arkh Anat Gistol Embriol** 1985 Jan;88(1):57-62 (Eng. Abstr.) **(Rus)**

[Possible mechanisms of the death of cardiomyocytes] Sharov VG. **Arkh Patol** 1985;47(3):3-14 (47 ref.) (Eng. Abstr.) **(Rus)**

[Changes in the myocardial ultrastructure of the perfused rabbit heart under hypoxia] Khariukova NL, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):496-9 (Eng. Abstr.) **(Rus)**

[Ultrastructural stereological analysis of the absolute parameters of the cardiomyocytes in myocardial hypertrophy] Lushnikova EL, et al. **Biull Eksp Biol Med** 1985 May;99(5):619-22 (Eng. Abstr.) **(Rus)**

[Rod-shaped inclusions in the heart and brain in the experimental alcoholization of rats] Paukov VS, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):100-3 (Eng. Abstr.) **(Rus)**

[Reperfusion damages to the heart in acute transitory coronary failure and their prevention with myophedrin] Vasilevskaia TA, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):97-100 (Eng. Abstr.) **(Rus)**

[Ultrastructure of calcium-induced myocardial necrosis] Sharov VG, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):63-77 (Eng. Abstr.) **(Rus)**

[Effect of unithiol on the ultrastructure of the myocardium and adrenals in endotoxin shock] Kirichenko IuG, et al. **Farmakol Toksikol** 1985 May-Jun;48(3):49-52 (Eng. Abstr.) **(Rus)**

[Role of intracellular calcium stores in the generation of phasic component of K-contraction of the frog myocardium] Mukumov MR, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):833-7 (Eng. Abstr.) **(Rus)**

[Effect of protein metabolism inhibitors on parasympathetic innervation and cholinergic factors in the frog heart] Zhirnova AV. **Fiziol Zh SSSR** 1984 Jun;70(6):829-32 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the heart muscle in experimental myocardial infarct following physical training] Megrelishvili GN, et al. **Kardiologiia** 1985 Apr;25(4):89-91 (Eng. Abstr.) **(Rus)**

[Ultrastructural and biochemical characteristics of the ischemic myocardium after reperfusion] Ramazanova LI, et al. **Kardiologiia** 1985 Feb;25(2):82-6 (Eng. Abstr.) **(Rus)**

[Specificity of ultrastructural changes in the myocardium of rats after hypokinesia and irradiation] Romanov VS, et al. **Kosm Biol Aviakosm Med** 1985 Jan-Feb;19(1):53-5 (Eng. Abstr.) **(Rus)**

[Changes in the Ca2+ concentration in subcellular fractions of myocardiocytes in sudden death in coronary disease] Sopka NV, et al. **Sud Med Ekspert** 1985 Jan-Mar;28(1):12-4 (Eng. Abstr.) **(Rus)**

[3-dimensional ultrastructural characteristics of the cardiomyocytes of SHR strain rats with spontaneous genetic hypertension] Nepomniashchikh LM, et al. **Tsitol Genet** 1984 Sep-Oct;18(5):326-31 (Eng. Abstr.) **(Rus)**

[Circulating myocardial antigens in patients with ischemic heart disease] Mel'nik IA, et al. **Vrach Delo** 1985 Feb;(2):65-7 (Eng. Abstr.) **(Rus)**

[Use of HBFP staining for the diagnosis of the degree of contractile structure damage in cardiomyocytes] Sergienko OV. **Vrach Delo** 1985 Feb;(2):41-5 (Eng. Abstr.) **(Rus)**

[Electron microscopy morphometric analysis of the effect of immobilization stress on the structure of the myocardium in rats belonging to 2 age groups] Bózner A, et al. **Cesk Patol** 1984 Aug;20(3):146-50 (Eng. Abstr.) **(Slo)**

[Ultrastructural study of the myocardium of rats treated with ARL-115 BS and subjected to swimming exertion] Jiménez-Castellanos MR, et al. **Rev Clin Esp** 1984 Nov 15-30;175(3-4):127-31 (Eng. Abstr.) **(Spa)**

[Ultrastructural study of the myocardium of rats treated with dipyridamole and subjected to swimming exercises] Jiménez-Castellanos MR, et al. **Rev Clin Esp** 1984 Sep 30;174(6):237-41 (Eng. Abstr.) **(Spa)**

MYOCLONIC EPILEPSY, PROGRESSIVE see **EPILEPSY, MYOCLONUS**

MYOCLONIC JERKING, MASSIVE see **SPASMS, INFANTILE**

MYOCLONUS

Rhythmic involuntary lingual movements (lingual myoclonus): study of 4 cases. Sridharan R. **Indian J Pediatr** 1984 Nov-Dec;51(413):733-7

CHEMICALLY INDUCED

p,p'-DDT-induced myoclonus in mice: the effect of enhanced 5-HT neurotransmission. Magnussen I. **Acta Pharmacol Toxicol (Copenh)** 1985 Feb;56(2):87-90

Intrathecal morphine induces myoclonic seizures in the rat. Shohami E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):50-4

Prolonged myoclonus after etomidate anesthesia. Laughlin TP, et al. **Anesth Analg** 1985 Jan;64(1):80-2

Myoclonus after etomidate anesthesia [letter] Lumley J, et al. **Anesth Analg** 1985 Oct;64(10):1034

Myoclonus on recovery from etomidate [letter] Tasch MD. **Anesth Analg** 1985 Sep;64(9):943

Verapamil and myoclonic dystonia [letter] Hicks CB, et al. **Ann Intern Med** 1985 Jul;103(1):154

Stimulus-induced myoclonus and burst suppression on EEG: effects of phenytoin toxicity. Trauner DA. **Ann Neurol** 1985 Mar;17(3):312-3

Estradiol and progesterone influence L-5-hydroxytryptophan-induced myoclonus in male guinea pigs: sex differences in serotonin-steroid interactions. O'Connor LH, et al. **Brain Res** 1985 Mar 18;330(1):121-5

Correlation of [3H]5-hydroxytryptamine (5HT) binding to brain stem preparations and the production and prevention of myoclonus in guinea pig by 5HT agonists and antagonists. Luscombe G, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):235-44

Antidepressants and myoclonus: case report. DeCastro RM. **J Clin Psychiatry** 1985 Jul;46(7):284-7

Myoclonus in the rat induced by p,p'-DDT and the role of altered monoamine function. Pratt JA, et al. **Neuropharmacology** 1985 May;24(5):361-73

Physostigmine antagonizes benzodiazepine-induced myoclonus in the baboon, Papio papio. Rektor I, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):91-6

[Reversible neurologic toxicity of buflomedil overdosage (letter)] Otmane-Telba M, et al. **Presse Med** 1985 Feb 9;14(5):286 **(Fre)**

[Myoclonus induced by metoclopramide (letter)] Arias C, et al. **Med Clin (Barc)** 1984 Nov 10;83(15):648 **(Spa)**

[Myoclonic and convulsive encephalopathy caused by bismuth. Usefulness of dimercaprol treatment] Nogué S, et al. **Med Clin (Barc)** 1985 Apr 6;84(13):530-2 (Eng. Abstr.) **(Spa)**

[Encephalopathy caused by beta-lactamates] Morán García V, et al. **Rev Clin Esp** 1984 Sep 15;174(5):183-6 **(Spa)**

CLASSIFICATION

Myoclonus. Swaiman KF. **Neurol Clin** 1985 Feb;3(1):197-208 (25 ref.)

COMPLICATIONS

Sustained myoclonus in a woman with startle epilepsy [letter] Bejar JM, et al. **Ann Neurol** 1985 Jul;18(1):101-3

Juvenile Alzheimer's disease with myoclonus: amyloid plaques and grumose alteration in the cerebellum. Ishino H, et al. **Clin Neuropathol** 1984 Sep-Oct;3(5):193-8

Sleep apnea and periodic movements in an aging sample. Ancoli-Israel S, et al. **J Gerontol** 1985 Jul;40(4):419-25

Restless legs and nocturnal myoclonus [letter] Bee DM. **JAMA** 1985 Jul 19;254(3):361

Blepharospasm associated with palatal myoclonus and communicating hydrocephalus [letter] **Neurology** 1984 Nov;34(11):1522-4

[Objective tinnitus caused by myoclonus of the musculus tensor veli palitini] Yajin K, et al. **HNO** 1985 Jan;33(1):45-9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Opsoclonus and myoclonus syndrome. Clinical and electronystagmography findings with course studies] Leopold HC. **Fortschr Neurol Psychiatr** 1985 Feb;53(2):42-54 (Eng. Abstr.) **(Ger)**

[Kinsbourne's myoclonic encephalopathy in the light of our clinical observations] Michałowicz R, et al. **Pol Tyg Lek** 1984 May 28;39(22):743-6 (Eng. Abstr.) **(Pol)**

[Polygraphic aspects of periodic movements in sleep] Reimão R, et al. **Arq Neuropsiquiatr** 1984 Dec;42(4):313-21 (Eng. Abstr.) **(Por)**

[Myoclonal cerebellar dyssynergia] Shutov AA, et al. **Vrach Delo** 1985 Jan;(1):102-5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of ocular myoclonus with valproic acid. Lefkowitz D, et al. **Ann Neurol** 1985 Jan;17(1):103-4

The pharmacology of myoclonus. Pranzatelli MR, et al. **Clin Neuropharmacol** 1985;8(2):99-130 (171 ref.)

[Treatment of nocturnal myoclonus] Peled R, et al. **Harefuah** 1983 Oct 16;105(8):212-3 (Eng. Abstr.) **(Heb)**

[A case of opsoclonus-polymyoclonia syndrome--suppression by TRH and 5-hydroxytryptophan] Hashiba Y, et al. **Rinsho Shinkeigaku** 1984 Nov;24(11):1091-4 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Electrophysiological studies of myoclonic jerks provoked by photic stimulation. Nakashima K, et al. **Acta Neurol Scand** 1985 May;71(5):401-7

Palatal myoclonus in Behçet's disease. Shuttleworth EC, et al. **Arch Intern Med** 1985 May;145(5):949-50

Opsomyoclonus and neuroblastoma. Warrier RP, et al. **Clin Pediatr (Phila)** 1985 Jan;24(1):32-4

Nocturnal myoclonus--a sleep disturbance in children with leukemia [letter] Kotagal S, et al. **Dev Med Child Neurol** 1985 Feb;27(1):124-6

Excessive fragmentary myoclonus in NREM sleep: a report of 38 cases. Broughton R, et al. **Electroencephalogr Clin Neurophysiol** 1985 Aug;61(2):123-33

Neuroblastoma with opsomyoclonus and Turner syndrome. Warrier RP, et al. **Indian J Pediatr** 1984 Sep-Oct;51(412):603-5

Induction of acute myoclonic encephalopathy in hamsters by subacute sclerosing panencephalitis virus. Sugita T, et al. **J Infect Dis** 1984 Sep;150(3):340-7

Brachial plexus myoclonus. Banks G, et al. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):582-4

Paraspinal myoclonus due to spinal root lesion [letter] Sotaniemi KA. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):722-3

The association of neuroblastoma and myoclonic encephalopathy: an imaging approach. Baker ME, et al. **Pediatr Radiol** 1985;15(3):184-90 (26 ref.)

[So-called laryngeal nystagmus. Progressive myoclonus as a symptom of a cerebellar and brain stem infarct] Kisselbach G, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Jun;64(6):306-8 (Eng. Abstr.) **(Ger)**

[Two adult patients with GM1 ganglioside beta-galactosidase deficiency, showing myoclonus without radiological bony abnormalities] Mutoh T, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):321-35 (Eng. Abstr.) **(Jpn)**

METABOLISM

Urea-induced myoclonus: medullary glycine antagonism as mechanism of action. Chung E, et al. **Life Sci** 1985 Mar 18;36(11):1051-8

PATHOLOGY

Syndrome of palatal myoclonus and progressive ataxia: two cases with magnetic resonance imaging. Sperling MR, et al. **Neurology** 1985 Aug;35(8):1212-4

PHYSIOPATHOLOGY

The spectrum of cortical myoclonus. From focal reflex jerks to spontaneous motor epilepsy. Obeso JA, et al. **Brain** 1985 Mar;108 (Pt 1):193-24

Physiological sleep myoclonus in baboons. Cepeda C, et al. **Electroencephalogr Clin Neurophysiol** 1985 Feb;60(2):158-62

Electrophysiological studies of myoclonus in sialidosis type 2. Tobimatsu S, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jan;60(1):16-22

Myoclonus: relation to epilepsy. Hallett M. **Epilepsia** 1985;26 Suppl 1:S67-77

The effects of reflex path length on clonus frequency in spastic muscles. Iansek R. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1122–4

Palatal myoclonus—its remote influence. Nagaoka M, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):921–6

Reflex path length and clonus frequency [letter] Nathan P, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):725

Is waning of a 5-hydroxytryptamine (5-HT)-mediated syndrome due to 5-HT2 receptor down-regulation? Koshikawa N, et al. **Neurosci Lett** 1985 Apr 19;55(3):279–82

Bilateral palatal myoclonus. Pathophysiology and report of a case. Hanson B, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):479–81

[Palatal myoclonus syndrome with spontaneous recovery in a child] Boulloche J, et al. **Arch Fr Pediatr** 1984 Nov; 41(9):645–7 (Eng. Abstr.) **(Fre)**

[Reflex spinal myoclonus. Report of a case and its physiological mechanism] Neshige R, et al. **Rinsho Shinkeigaku** 1985 Apr;25(4):408–11 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Effect of excitatory amino acid antagonists on the high pressure neurological syndrome in rats. Wardley-Smith B, et al. **Eur J Pharmacol** 1984 Oct 15;105(3–4):351–4

The high pressure neurological syndrome and 2-amino-7-phosphonoheptanoic acid: differences between fed and fasted rats. Wardley-Smith B, et al. **Neurosci Lett** 1984 Jul 27;48(2):155–60

THERAPY

Treatment of myoclonic dystonia with transcutaneous electrical nerve stimulation. Toglia JU, et al. **Ital J Neurol Sci** 1985 Mar;6(1):75–8

VETERINARY

Familial reflex myoclonus in Labrador Retrievers. Fox JG, et al. **Am J Vet Res** 1984 Nov;45(11):2367–70

MYODYSTROPHIA FETALIS DEFORMANS see **ARTHROGRYPOSIS**

MYOEPITHELIAL TUMOR

PATHOLOGY

Myoepithelioma of the parotid gland. Report of two cases with immunohistochemical technique for S-100 protein and electron microscopic observation. Tanimura A, et al. **Acta Pathol Jpn** 1985 Mar;35(2):409–17

Microcystic adenoma of the pancreas with myoepithelial cells. A hitherto undescribed morphologic feature. Nyongo A, et al. **Am J Clin Pathol** 1985 Jul;84(1):114–20

Induction of other differentiation stages in neoplastic epithelial duct and myoepithelial cells from the human salivary gland grown in athymic nude mice. Hayashi Y, et al. **Cancer** 1985 Jun 1;55(11):2575–83

Plasmacytoid myoepithelioma of a minor salivary gland. Thompson SH, et al. **J Oral Maxillofac Surg** 1985 Apr; 43(4):285–8

Myoepithelioma of the head and neck: case report and review. Barnes L, et al. **J Surg Oncol** 1985 Jan;28(1):21–8

MYOEPITHELIOMA see **MYOEPITHELIAL TUMOR**

MYOFASCIAL PAIN DYSFUNCTION SYNDROME, TEMPOROMANDIBULAR JOINT see **TEMPOROMANDIBULAR JOINT SYNDROME**

MYOFASCIAL PAIN SYNDROMES

COMPLICATIONS

Chronic neck and shoulder pain. Focusing on myofascial origins. Grosshandler SL, et al. **Postgrad Med** 1985 Feb 15;77(3):149–51, 154–8

Severe chronic headache treated by simple dental procedures. Case reports. Williamson G. **S Afr Med J** 1985 Feb 23; 67(8):304–6

DIAGNOSIS

Myofascial pain syndrome: electromyographic changes associated with local twitch response. Fricton JR, et al. **Arch Phys Med Rehabil** 1985 May;66(5):314–7

RSI, or 'kangaroo paw' [letter] **Med J Aust** 1985 Apr 1; 142(7):423–4

ETIOLOGY

Postpartum cervical myofascial pain syndrome: review of four patients. Hubbell SL. et al. **Obstet Gynecol** 1985 Mar; 65(3 Suppl):56S–57S

Myofascial trigger points in persistent posttraumatic shoulder pain. Reynolds MD. **South Med J** 1984 Oct;77(10):1277–80

PHYSIOPATHOLOGY

Inhibition of cutaneous nociception by deep musculoskeletal pain [letter] Schimek JJ, et al. **Pain** 1984 Nov;20(3):307–9

PSYCHOLOGY

Psychophysiological factors in myofascial pain. Sandman KB, et al. **J Manipulative Physiol Ther** 1984 Dec; 7(4):237–42

MYOFIBRILS

see related
MUSCLE CONTRACTION

ANALYSIS

Location of C-protein, H-protein and X-protein in rabbit skeletal muscle fibre types. Starr R, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):227–56

ANATOMY & HISTOLOGY

A laser diffraction method for measuring muscle sarcomere length in vivo for application to tendon transfers. Fleeter TB, et al. **J Hand Surg [Am]** 1985 Jul;10(4):542–6

DRUG EFFECTS

6-Tridecylresorcylic acid, a novel ATPase inhibitor that blocks the contractile apparatus of skeletal muscle proteins. Kobayashi M, et al. **J Biol Chem** 1984 Dec 25; 259(24):15007–9

ENZYMOLOGY

Distribution of fibre sizes in human skeletal muscle. An enzyme histochemical study in m tibialis anterior. Henriksson-Larsén K, et al. **Acta Physiol Scand** 1985 Feb; 123(2):171–7

Identification of fiber types in rat skeletal muscle based on the sensitivity of myofibrillar actomyosin ATPase to copper. Gollnick PD, et al. **Histochemistry** 1984; 81(4):379–83

The effect of short term normothermic global ischemia and acidosis on cardiac myofibrillar Ca2+-Mg2+ ATPase activity. Krause SM, et al. **J Mol Cell Cardiol** 1985 May; 17(5):523–6

Role of myofibrillar creatine kinase in the relaxation of rigor tension in skinned cardiac muscle. Ventura-Clapier R, et al. **Pflugers Arch** 1985 May;404(2):157–61

Regulation of myofibrillar protease, plasminogen activator and protein degradation in cultured myoblasts. Mayer M. **Prog Clin Biol Res** 1985;180:543–54

IMMUNOLOGY

IgA anti-endomysium antibody. A new immunological marker of dermatitis herpetiformis and coeliac disease. Chorzelski TP, et al. **Br J Dermatol** 1984 Oct; 111(4):395–402

METABOLISM

Myofibrillar end of the creatine phosphate energy shuttle. Savabi F, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C424–32

Myofibrillar-protein isoforms and sarcoplasmic-reticulum Ca2+-transport activity of single human muscle fibres. Salviati G, et al. **Biochem J** 1984 Nov 15;224(1):215–25

Donnan potentials from striated muscle liquid crystals. Sarcomere length dependence. Aldoroty RA, et al. **Biophys J** 1985 Jan;47(1):89–95

Degradation of alpha-actinin during Ca2+-sensitive proteolysis of myofibrils. Kulesza-Lipka D, et al. **FEBS Lett** 1985 Aug 5;187(2):354–8

Sarcomere structures in the rabbit psoas muscle as revealed by fluorescent analogs of phalloidin. Bukatina AE, et al. **Histochemistry** 1984;81(3):301–4

Lipid-protein interaction causing denaturation of frozen rohu myofibrillar proteins--probable role of cryoprotective agents. Rao SB. **Indian J Biochem Biophys** 1984 Aug; 21(4):278–80

I-protein is localized at the junctional region of A-bands and I-bands of chicken fresh myofibrils. Ohashi K, et al. **J Biochem (Tokyo)** 1985 May;97(5):1323–8

Kinetic rates of tryptic digestion of bovine cardiac myofibrils. An improved measurement of cross-bridge dissociation. Azarcon AV, et al. **J Biol Chem** 1985 May 25; 260(10):6047–53

Kinetics of tryptophan fluorescence enhancement in myofibrils during ATP hydrolysis. White HD. **J Biol Chem** 1985 Jan 25;260(2):982–6

Iodination of myofibrils and myosin. Turner RC, et al. **J Muscle Res Cell Motil** 1984 Dec;5(6):665–76

Dependence of adenosine triphosphatase activity of rabbit psoas muscle fibres and myofibrils on substrate concentration. Glyn H, et al. **J Physiol (Lond)** 1985 Aug; 365:259–76

The role of lysosomes in the degradation of myofibrillar and non-myofibrillar proteins in heart. Wildenthal K, et al. **Prog Clin Biol Res** 1985;180:511–20

[A new myofibrillar protein from the skeletal musculature of the rabbit] Printsev MD, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):428–9 (Eng. Abstr.) **(Rus)**

[Effect of phosphate and acidosis on the calcium sensitivity of the cardiac myofibrils] Veksler VI, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):133–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Absence of plateau of the sarcomere length-tension relation in frog muscle fibres. Edman KA, et al. **Acta Physiol Scand** 1984 Oct;122(2):213–6

Exercise training modifies myocardial mitochondria and myofibril growth in spontaneously hypertensive rats. Crisman RP, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H8–14

Coordination of cardiac myofibrillar and sarcotubular activities in rats exercised by swimming. Pagani ED, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H909–15

Mechanisms of the defect in cardiac myofibrillar function during diabetes. Pierce GN, et al. **Am J Physiol** 1985 Feb; 248(2 Pt 1):E170–5

Mechanisms of the regulation of myofibrillar function in vascular smooth muscle. Marston SB, et al. **Biochem Soc Trans** 1984 Dec;12(6):945–8

The effects of shortening on myoplasmic calcium concentration and on the action potential in mammalian ventricular muscle. Lab MJ, et al. **Circ Res** 1984 Dec; 55(6):825–9

Real-time kinetics of sarcomere relaxation by laser diffraction. Lecarpentier Y, et al. **Circ Res** 1985 Mar; 56(3):331–9

From sarcomeres to whole muscles. Morgan DL. **J Exp Biol** 1985 Mar;115:69–78

Uniform sarcomere behaviour during twitch of intact single cardiac cells. De Clerck NM, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):735–45

A possible mechanism of length activation in insect fibrillar flight muscle. Abbott RH, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):387–97

Arsenazo III calcium transients and latency relaxation in frog skeletal muscle fibres at different sarcomere lengths. Close RI, et al. **J Physiol (Lond)** 1984 Oct;355:323–44

Velocity of sarcomere shortening in rat cardiac muscle: relationship to force, sarcomere length, calcium and time. Daniels M, et al. **J Physiol (Lond)** 1984 Oct;355:367–81

The sarcomere length dependence of the rate of heat production during isometric tetanic contraction of frog muscles. Elzinga G, et al. **J Physiol (Lond)** 1984 Dec; 357:495–504

[Close interdependence between passive and active soleus muscle torques in man: approach to the coregulation of the number of sarcomeres and length of the connective tissue] Gerard C, et al. **J Physiol (Paris)** 1985;80(1):20–6 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

The number of sarcomeres and architecture of the M. gastrocnemius of the rat. Holewijn M, et al. **Acta Morphol Neerl Scand** 1984 Oct;22(3):257–63

Tryptic digestion of rabbit skeletal myofibrils: an enzymatic probe of myosin cross-bridges. Chen T, et al. **Biochemistry** 1984 May 22;23(11):2400–7

Disassembly kinetics of thick filaments in rabbit skeletal muscle fibers. Effects of ionic strength, Ca2+ concentration, pH, temperature, and cross-bridges on the stability of thick filament structure. Higuchi H, et al. **Biophys J** 1985 Mar;47(3):267–75

Disassembly from both ends of thick filaments in rabbit skeletal muscle fibers. An optical diffraction study. Ishiwata S, et al. **Biophys J** 1985 Mar;47(3):257–66

A nonsense mutation within the act88F actin gene disrupts myofibril formation in Drosophila indirect flight muscles. Karlik CC, et al. **Cell** 1984 Oct;38(3):711–9

An ultrastructural study of the compensatory myofibrillar adaptation. Khan MA. **Cell Biol Int Rep** 1985 Jul;9(7):588

Formation of myofibrils in spreading chick cardiac myocytes. Sanger JW, et al. **Cell Motil** 1984;4(6):405–16

A periodic cytoskeletal lattice in striated muscle. Cooke P. **Cell Muscle Motil** 1985;6:287–313 (56 ref.)

Sarcomere-associated cytoskeletal lattices in striated muscle. Review and hypothesis. Wang K. **Cell Muscle Motil** 1985; 6:315–69 (189 ref.)

Morphometric analysis of the isolated calcium-tolerant cardiac myocyte. Organelle volumes, sarcomere length, plasma membrane surface folds, and intramembrane particle density and distribution. Severs NJ, et al. **Cell Tissue Res** 1985;240(1):159–68

Precardiac mesoderm differentiation in vitro. Actin-isotype synthetic transitions, myofibrillogenesis, initiation of heartbeat, and the possible involvement of collagen. Wiens D, et al. **Differentiation** 1984;28(1):62–72

Actin filaments and acetylcholine receptor clusters in embryonic chick myotubes. Connolly JA, et al. **Eur J Cell Biol** 1985 May;37:191–5

Morphological changes in myofibrils and glycerinated muscle fibers on treatment with cathepsins D and L. Matsukura U, et al. **Int J Biochem** 1984;16(9):957–62

Capping one end of an actin filament affects elongation at the other end. Maruyama K, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):613–20

The relationship between stress fiber-like structures and nascent myofibrils in cultured cardiac myocytes. Dlugosz AA, et al. **J Cell Biol** 1984 Dec;99(6):2268–78

Does actin bind to the ends of thin filaments in skeletal muscle? Ishiwata S, et al. **J Cell Biol** 1985 Jan;100(1):282–91

An endocrine experimental model for myofibrillar disarray as found in hypertrophic cardiomyopathy. Olsen EG. **J Mol Cell Cardiol** 1985 Jul;17 Suppl 2:35–40 (23 ref.)

Changes in cardiac ultrastructure and myofibrillar proteins

NEWARK PUBLIC LIBRAR

during ischemia in dogs, with special reference to changes in Z lines. Sashida H, et al. **J Mol Cell Cardiol** 1984 Dec; 16(12):1161-72

Is there a continuity of filaments in the sarcomere? Eremia D. **J Theor Biol** 1985 Jan 7;112(1):177-81

[Reversibility of the structural and functional changes in experimental acute ischemia in limb tissues] Kliachin ML, et al. **Patol Fiziol Eksp Ter** 1984 Nov-Dec;(6):34-7 (Eng. Abstr.) **(Rus)**

[Z-line structure of the rabbit psoas muscle studied by negative contrast staining] Tskhovrebova LA, et al. **Tsitologiia** 1985 Mar;27(3):287-90 (Eng. Abstr.) **(Rus)**

[Use of HBFP staining for the diagnosis of the degree of contractile structure damage in cardiomyocytes] Sergienko OV. **Vrach Delo** 1985 Feb;(2):41-5 (Eng. Abstr.) **(Rus)**

MYOFILAMENTS see CYTOPLASMIC FILAMENTS

MYOGLOBIN

Iron-57 chemical shifts in carbonyl myoglobin and its model complexes determined by iron-57-carbon-13 double resonance. La Mar GN, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):628-33

Conformational differences between various myoglobin ligated states as monitored by 1H NMR spectroscopy. Bradbury JH, et al. **Biochemistry** 1984 Oct 9;23(21):4905-13

Assignment of 1H NMR resonances of histidine and other aromatic residues in met-, cyano-, oxy-, and (carbon monoxy)myoglobins. Carver JA, et al. **Biochemistry** 1984 Oct 9;23(21):4890-905

CO bond angle changes in photolysis of carboxymyoglobin. Powers L, et al. **Biochemistry** 1984 Nov 6;23(23):5519-23

High-field, variable-temperature Mössbauer effect measurements on oxyhemeproteins. Boso B, et al. **Biochim Biophys Acta** 1984 Dec 7;791(2):244-51

Ultrasonic absorption in myoglobin and other globular proteins. Cho KC, et al. **Biochim Biophys Acta** 1985 Jul 18;830(1):36-44

Characterization of heme orientational disorder in myoglobin by proton nuclear Overhauser effects. Lecomte JT, et al. **Biochim Biophys Acta** 1985 Jun 10;829(2):268-74

Observation of the FeIV=O stretching vibration of ferryl myoglobin by resonance Raman spectroscopy. Sitter AJ, et al. **Biochim Biophys Acta** 1985 Apr 29;828(3):229-35

Energetics of multihelix interactions in protein folding: application to myoglobin. Gerritsen M, et al. **Biopolymers** 1985 Jul;24(7):1271-91

Conformational stability and basal metabolic rate: reexamination of the case of myoglobin. Bismuto E, et al. **Experientia** 1984 Dec 15;40(12):1400-1

XANES study of iron displacement in the haem of myoglobin. Bianconi A, et al. **FEBS Lett** 1984 Dec 3; 178(1):165-70

Structural interpretation of low-temperature heme-ligand recombination rates in myoglobin. Siebrand W, et al. **FEBS Lett** 1985 Apr 22;183(2):191-4

Aplysia myoglobins with an unusual amino acid sequence. Takagi T, et al. **J Mol Biol** 1984 Dec 25;180(4):1179-84

Protein states and proteinquakes. Ansari A, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5000-4

A consistent picture of protein dynamics. Parak F, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7088-92

[The theory of ligand migration in biomacromolecules] Shaitan KV, et al. **Mol Biol (Mosk)** 1985 May-Jun; 19(3):742-50 (Eng. Abstr.) **(Rus)**

[Electron structure of the active center of paramagnetic hemoproteins from the data of low-temperature magnetic circular dichroism. High-spin ferric derivatives] Sharonov IuA, et al. **Mol Biol (Mosk)** 1985 Mar-Apr;19(2):378-89 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Sulfmyoglobin. Resonance Raman spectroscopic evidence for an iron-chlorin prosthetic group. Andersson LA, et al. **J Biol Chem** 1984 Dec 25;259(24):15340-9

ANALYSIS

Smooth and skeletal muscle myosins in spindle cell tumors of soft tissue. An immunohistochemical study. Saku T, et al. **Acta Pathol Jpn** 1985 Jan;35(1):125-36

Identical myoglobin is present in both skeletal and smooth muscles of chicken. Enoki Y, et al. **Biochim Biophys Acta** 1984 Sep 25;789(3):334-41

Relationship between the concentration of myoglobin and parvalbumin in various types of muscle tissues from chickens. Nishida J, et al. **Br Poult Sci** 1985 Jan; 26(1):105-15

Myoglobin in the heart tissue of fishes lacking hemoglobin. Douglas EL, et al. **Comp Biochem Physiol [A]** 1985; 81(4):885-8

Myoglobin levels and mATPase activity in pectoral muscles of spruce and ruffed grouse (Aves: Tetraoninae). Thomas VG. **Comp Biochem Physiol [A]** 1985;81(1):181-4

Myoglobin determination by high-performance liquid chromatography. Powell SC, et al. **J Chromatogr** 1984 Dec 28;317:87-92

Absence of immunoperoxidase staining for myoglobin in the malignant rhabdoid tumor of the kidney. Rutledge J, et al. **Pediatr Pathol** 1983 Jan-Mar;1(1):93-8

[Fluorescence of hemoproteins in reversed micelles of surfactants in octanes] Eremin AN, et al. **Biokhimiia** 1984 Dec;49(12):1947-54 (Eng. Abstr.) **(Rus)**

BLOOD

Myoglobin, creatine kinase and creatine kinase subunit-beta in serum from patients and relatives with hypokaliaemic familial periodic paralysis. Wiggers P, et al. **Acta Neurol Scand** 1985 Jan;71(1):69-72

Plasma/serum myoglobin in prenatal diagnosis of Duchenne muscular dystrophy [letter] Edwards RJ, et al. **Am J Med Genet** 1985 Jul;21(3):605-10

Myoglobin in the very early phase of acute myocardial infarction. McComb JM, et al. **Ann Clin Biochem** 1985 Mar; 22 (Pt 2):152-5

Studies on plasma cyclic nucleotide, cyclic nucleotide phosphodiesterase, beta-thromboglobulin, and myoglobin response in patients with acute myocardial infarction. Kurokawa Y, et al. **Bull Osaka Med Sch** 1983 Oct; 29(2):85-97

Semi-quantitative estimation of serum myoglobin by a rapid latex agglutination method: an emergency screening test for acute myocardial infarction. Chapelle JP, et al. **Clin Chim Acta** 1985 Jan 30;145(2):143-50

Complexity of enzyme release during acute myocardial infarction in a controlled study with early nifedipine treatment. Loogna E, et al. **Eur Heart J** 1985 Feb; 6(2):114-9

Serum myoglobin concentrations are decreased by beta-adrenergic stimulation. Ljunghall S, et al. **Eur J Appl Physiol** 1985;54(1):54-7

Variations in serum myoglobin after a 2-min isokinetic exercise test and the effects of training. Roxin LE, et al. **Eur J Applied Physiol** 1984;53(1):43-7

Detection of myocardial infarction extension or reattack by serum myoglobin radioimmunoassay. Honda Y, et al. **Int J Cardiol** 1984 Sep;6(3):325-39

Circulating levels of myoglobin and muscle enzymes in acromegaly: effects of growth-hormone reduction by therapy. Giampietro O, et al. **J Nucl Med Allied Sci** 1984 Oct-Dec;28(4):263-70

Circulating levels of myoglobin and muscle enzymes in uremics on regular dialytic treatment (RDT): effect of the single dialysis. Giampietro O, et al. **Life Support Syst** 1985 Jan-Mar;3(1):86-8

Activity, creatine kinase, and myoglobin in Duchenne muscular dystrophy: a clue to etiology? Florence JM, et al. **Neurology** 1985 May;35(5):758-61

Rhabdomyolysis and myoglobinemia in neonates. Kasik JW, et al. **Pediatrics** 1985 Aug;76(2):255-8

Factors affecting serum myoglobin levels in normal population. Clerico A, et al. **Ric Clin Lab** 1984 Jul-Sep; 14(3):541-4

Different behavior and significance of serum myoglobin concentrations in hypothyroidism and acromegaly. Effects of therapy. Giampietro O, et al. **Ric Clin Lab** 1984 Jul-Sep; 14(3):545-8

Myoglobin concentration, creatine kinase, and creatine kinase sub-unit B activity in serum after myocardial ischaemia. Baadsgaard O, et al. **Scand J Clin Lab Invest** 1984 Dec; 44(8):679-82

The effect of alprenolol on serum myoglobin levels in acute myocardial infarction. Pedersen F, et al. **Scand J Clin Lab Invest** 1984 Nov;44(7):649-54

[The effect of massage on muscle infiltrations as assessed by myoglobin in the blood] Danneskiold-Samsøe B, et al. **Ugeskr Laeger** 1985 Jan 21;147(4):269-71 (Eng. Abstr.) **(Dan)**

[Myoglobinemia in myocardial infarction (letter)] Louvard Y, et al. **Presse Med** 1985 Jul 6;14(27):1475 **(Fre)**

[Value and significance of serum myoglobin in sportsmen before and after various physical activities] Barwich D, et al. **Schweiz Z Sportmed** 1985 Jun;33(2):62-6 (Eng. Abstr.) **(Ger)**

[Myoglobin behavior with hexoprenaline and beta blockade] Lechner W, et al. **Z Geburtshilfe Perinatol** 1984 Sep-Oct; 188(5):226-7 (Eng. Abstr.) **(Ger)**

[Blood myoglobin in children with progressive muscular dystrophy and in carriers] Calandi C, et al. **Quad Sclavo Diagn** 1984 Dec;20(4):391-8 (Eng. Abstr.) **(Ita)**

[Immunological methods of myoglobulin determination in the serum for diagnosing myocardial infarct] Tashmatova AIu, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(2):37-41 (Eng. Abstr.) **(Rus)**

[Information value of research on blood myoglobin in myocardial infarct patients] Gogin EE, et al. **Klin Med (Mosk)** 1985 Jan;63(1):33-7 **(Rus)**

[Comparative study of the myoglobin level, activity and concentration of creatine kinase MB isoenzyme in acute myocardial infarct] Ivleva VI, et al. **Lab Delo** 1984; (7):389-92 (Eng. Abstr.) **(Rus)**

[Myoglobin content of the blood in patients with lower limb ischemia] Kosnikova IV, et al. **Lab Delo** 1985;(3):157-9 (Eng. Abstr.) **(Rus)**

[Prospects for the use of myoglobin radioimmunoassay] Bondareva ZG, et al. **Med Radiol (Mosk)** 1984 Nov; 29(11):19-21 **(Rus)**

DIAGNOSTIC USE

[The myoglobin latex test in the early diagnosis of myocardial infarct] Matoltsy A, et al. **Orv Hetil** 1984 Oct 28; 125(44):2681-3 (Eng. Abstr.) **(Hun)**

GENETICS

Cloning of the human myoglobin gene. Akaboshi E. **Gene** 1985;33(3):241-9

Cloning, expression in Escherichia coli, and reconstitution of human myoglobin. Varadarajan R, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5681-4

IMMUNOLOGY

A unidirectional carrier effect. Kohno Y, et al. **Cell Immunol** 1985 May;92(2):226-34

T-cell dependency of the antibody response to free small synthetic peptides of a protein: demonstration with an antigenic site of myoglobin. Young CR, et al. **Immunol Invest** 1985 Feb;14(1):1-5

T cell recognition of myoglobin. Localization of the sites stimulating T cell proliferative responses by synthetic overlapping peptides encompassing the entire molecule. Bixler GS Jr, et al. **J Immunogenet** 1984 Oct-Dec; 11(5-6):339-53

T cell clones to two major T cell epitopes of myoglobin: effect of I-A/I-E restriction on epitope dominance. Berkower I, et al. **J Immunol** 1985 Oct;135(4):2628-34

Antigen conformation determines processing requirements for T-cell activation. Streicher HZ, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6831-5

[Autoimmune reactions to myoglobin in myocardial infarct patients] Mirrakhimov MM, et al. **Ter Arkh** 1984; 56(10):53-6 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of myoglobin concentration on muscle cell PO2 gradients. Federspiel WJ. **Adv Exp Med Biol** 1984; 180:539-43

Balance between O2 availability and VO2 in rest-work transition as measured by myoglobin saturation in subcellular volumes. Honig CR, et al. **Adv Exp Med Biol** 1984;180:651-61

Granular cell tumors of the breast. Steroid receptor analysis and localization of carcinoembryonic antigen, myoglobin, and S100 protein. Ingram DL, et al. **Arch Pathol Lab Med** 1984 Nov;108(11):897-901

Increase of the Fe effective charge in hemoproteins during oxygenation process. Bianconi A, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):98-102

Urinary excretion of isomers of biliverdin after destruction in vivo of haemoproteins and haemin. Hirota K, et al. **Biochem J** 1985 Jul 15;229(2):477-83

A controversy on the mechanism of autoxidation of oxymyoglobin and oxyhaemoglobin: oxidation, dissociation, or displacement? [letter] Shikama K. **Biochem J** 1984 Oct 1;223(1):279-80

Formation of bile pigments by coupled oxidation of cobalt-substituted haemoglobin and myoglobin. Vernon DI, et al. **Biochem J** 1984 Oct 1;223(1):205-9

Internal protein motions, concentrated glycerol, and hydrogen exchange studied in myoglobin. Calhoun DB, et al. **Biochemistry** 1985 Apr 9;24(8):2095-100

Modification of the heme distal side in myoglobin by cyanogen bromide. Heme environmental structures and ligand binding properties of the modified myoglobin. Shiro Y, et al. **Biochemistry** 1984 Oct 9;23(21):4879-84

Patterns of myoglobin release after reperfusion of injured myocardium. Ellis AK, et al. **Circulation** 1985 Sep; 72(3):639-47

Haem-apoprotein interactions detected by resonance Raman scattering in Mb- and Hb-derivates lacking the saltbridge His146 beta-Asp94 beta. el Naggar S, et al. **Eur Biophys J** 1985;12(1):43-9

Nature of the FeO2 bonding in myoglobin: an overview from physical to clinical biochemistry. Shikama K. **Experientia** 1985 Jun 15;41(6):701-6 (33 ref.)

Fibre-optic spectrophotometry of immature bovine skeletal muscles and the cellular distribution of myoglobin and succinate dehydrogenase. Swatland HJ. **Histochem J** 1985 Jun;17(6):675-82

Relationship between myoglobin and succinate dehydrogenase in mouse soleus and plantaris muscle fibres. Van der Laarse WJ, et al. **Histochem J** 1985 Jan;17(1):1-11

The aerobic reduction of Fe(III) complexes by hemoglobin and myoglobin. Eguchi LA, et al. **J Biol Chem** 1984 Dec 10;259(23):14337-8

Resonance Raman studies of CO and O2 binding to elephant myoglobin (distal His(E7)-----Gln). Kerr EA, et al. **J Biol Chem** 1985 Jul 15;260(14):8360-5

Epoxidation of styrene by hemoglobin and myoglobin. Transfer of oxidizing equivalents to the protein surface. Ortiz de Montellano PR, et al. **J Biol Chem** 1985 Aug 5; 260(16):9265-71

Myoglobin levels in individual human skeletal muscle fibers of different types. Nemeth PM, et al. **J Histochem Cytochem** 1984 Nov;32(11):1211-6

Enhanced vesicular ingestion of nonenzymatically glucosylated proteins by capillary endothelium. Williams SK, et al. **Microvasc Res** 1984 Nov;28(3):311-21

Cellular hyperplasia and hypertrophy, capillary proliferation and myoglobin concentration in the heart of newborn and adult rats at high altitude. Pietschmann M, et al. **Respir Physiol** 1985 Mar;59(3):347-60

PHYSIOLOGY

Oxygen transport in rest-work transition illustrates new functions for myoglobin. Gayeski TE, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H914-21

MYOGLOBINURIA see under **RHABDOMYOLYSIS**

MYOGRAPHY

INSTRUMENTATION

The relationship of evoked electromyographic and mechanical responses following atracurium in humans. Kopman AF. **Anesthesiology** 1985 Aug;63(2):208-11

[Alternating-discrete tonometry in evaluating the efficacy of post-isometric relaxation of local muscle hypertonia] Ivanichev GA, et al. **Zh Nevropatol Psikhiatr** 1985; 85(4):519-23 (Eng. Abstr.) **(Rus)**

MYOINOSITOL see **INOSITOL**

MYOMA

COMPLICATIONS

A rare cause of lumbosacral plexus neuropathy. Laman DM, et al. **Clin Neurol Neurosurg** 1985;87(1):47-9

[Profuse internal bleeding as a complication of a myoma of the small intestine] Shidlovskiĭ VA, et al. **Vopr Onkol** 1985; 31(8):90 **(Rus)**

DIAGNOSIS

[Myoid tumors of the stomach. Diagnostic contribution of ultrasound and x-ray computed tomography. Apropos of a case] Striffling V, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 Jan-Feb; 20(1):17-20 (Eng. Abstr.) **(Fre)**

MYOMETRIUM

ANALYSIS

The contractile proteins of the human myometrium. Cavaille F. **Acta Physiol Hung** 1985;65(4):453-60

Beta-adrenergic receptors in human myometrium during pregnancy: changes in the number of receptors after beta-mimetic treatment. Berg G, et al. **Am J Obstet Gynecol** 1985 Feb 1;151(3):392-6

Estrogen and progesterone receptor and hormone levels in human myometrium and placenta in term pregnancy. Khan-Dawood FS, et al. **Am J Obstet Gynecol** 1984 Nov 1;150(5 Pt 1):501-5

BLOOD SUPPLY

[Relation of uteroplacental circulation and morphologic findings in myometrial and decidual arteries in diabetic pregnancy] Semmler K, et al. **Zentralbl Gynakol** 1985; 107(6):329-38 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Growth potential of human uterine leiomyomas: some in vitro observations and their implications. Cramer SF, et al. **Obstet Gynecol** 1985 Jul;66(1):36-41

DRUG EFFECTS

Betamimetic effects on the electro-mechanical characteristics of the pregnant and postpartum myometrium in vitro. Török I, et al. **Acta Physiol Hung** 1985;65(3):355-60

The response of non-pregnant rat myometrium to oxytocin in Ca-free solution. Ashoori F, et al. **Br J Pharmacol** 1985 Jan;84(1):175-83

Effects of some adrenergic agents on rat myometrium at midpregnancy. Clabaut M, et al. **Dev Pharmacol Ther** 1984; 7 Suppl 1:72-9

The effect of relaxin on cyclic adenosine 3',5'-monophosphate concentrations in rat myometrial cells in culture. Hsu CJ, et al. **Endocrinology** 1985 May; 116(5):2029-35

Myometrial responses in situ to nicergoline, acebutolol, phentolamine and noradrenaline of the rat in proestrus. Acritopoulou-Fourcroy S, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):59-64

Effects of forskolin and isoproterenol on cyclic AMP and tension in the myometrium. Marshall JM, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):25-34

Calcium reversal: intracellular localization of site of inhibition by a submicromolar concentration of Ca ion in uterine smooth muscle shown by studies with EGTA. Sakai K, et al. **Gen Pharmacol** 1984;15(6):549-52

Effect of phosphodiesterase regulators on prostaglandin evoked responses in isolated rat uterus. Singh M, et al. **Indian J Exp Biol** 1984 Dec;22(12):637-44

Acute inhibition of rat myometrial responses to oxytocin by tamoxifen stereoisomers and oestradiol. Lipton A, et al. **J Endocrinol** 1984 Dec;103(3):383-8

The effect of oxytocin on the myometrium of the sow during experimentally induced hypocalcaemia Ayliffe TR, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):211-4

Effects of a brief treatment with saponin on the contractile and electrical activities of isolated uterine muscle of pregnant rat. Osa T, et al. **Jpn J Physiol** 1984;34(4):699-712

Sulfated proteoglycans synthesized in myometrium of the estrogen-treated rabbit. Munakata H, et al. **Tohoku J Exp Med** 1984 Nov;144(3):291-7

[Steroid levels and myometrial sensitivity to oxytocin] Ogawa K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Aug; 36(8):1203-12 (Eng. Abstr.) **(Jpn)**

[Effect of divalent metal ions—stimulants of uterine contractile activity—on the Mg2+, ATP-dependent transport of Ca2+ in the myometrial sarcolemma fraction] Kosterin SA, et al. **Vopr Med Khim** 1985 Mar-Apr; 31(2):97-101 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Relationship between myometrial cyclic nucleotide phosphodiesterase (PDE) activity and the RNA/DNA ratio at various stages of gestation in primates. Ferre F, et al. **Acta Physiol Hung** 1985;65(4):433-41

Purification of a neutral proteinase, associated with the actomyosin complex, from uterine myometrium. Barth R, et al. **Biochem J** 1984 Sep 15;222(3):613-20

Myometrial (Na+ + K+)-activated ATPase and its Ca2+ sensitivity. Turi A, et al. **Biochim Biophys Acta** 1985 Aug 27;818(2):123-31

Activity of lysosomal hydrolases in human placenta, amnion, decidua and myometrium in the 2nd and 3rd trimester. Isaksson A, et al. **Enzyme** 1985;33(1):57-9

Immunohistochemical localisation of prostaglandin endoperoxide synthase and prostacyclin synthase in pregnant human myometrium. Moonen P, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Mar;19(3):151-8

Protease activity in fibromyoma and normal human myometrium. Milwidsky A, et al. **Gynecol Obstet Invest** 1984;18(5):230-3

Interaction of prostaglandin E2 and beta-adrenergic catecholamines in the regulation of uterine smooth muscle motility and adenylate cyclase in the rat. Krall JF, et al. **J Endocrinol** 1984 Sep;102(3):329-36

17 beta-hydroxysteroid dehydrogenase activity in leiomyoma and myometrium and its relationship to concentrations of oestrone, oestradiol and progesterone throughout the menstrual cycle. Newton CJ, et al. **J Steroid Biochem** 1985 Apr;22(4):487-93

Increase in concentrations of prostaglandin endoperoxide synthase and prostacyclin synthase in human myometrium in late pregnancy. Moonen P, et al. **Prostaglandins** 1984 Sep;28(3):309-21

Further characterization of 17 beta-hydroxysteroid dehydrogenase activity in cultured myometrial cells: cofactor dependency and subcellular localization. Vallet-Strouve C, et al. **Steroids** 1983 Nov;42(5):525-37

[Energy metabolism of the myometrium in pregnancy and labor] Laudański T. **Zentralbl Gynakol** 1985;107(9):568-73 (Eng. Abstr.) **(Ger)**

[Cyclic nucleotide-dependent endogenous phosphorylation of rabbit myometrium membranes] Kurskiĭ MD, et al. **Biokhimiia** 1985 Feb;50(2):318-24 (Eng. Abstr.) **(Rus)**

[Properties of cyclic nucleotide phosphodiesterase of the rabbit myometrium in various functional states] Kurskiĭ MD, et al. **Biokhimiia** 1984 Jul;49(7):1096-102 (Eng. Abstr.) **(Rus)**

INNERVATION

Structural and functional evidence for the denervation of human myometrium during pregnancy. Wikland M, et al. **Obstet Gynecol** 1984 Oct;64(4):503-9

Proliferation of myometrial nerves in a patient with severe dysmenorrhea. Lerner EJ, et al. **RI Med J** 1985 Jun; 68(6):265-7

METABOLISM

Comparison of cellular levels of steroid receptors in uterine leiomyoma and myometrium. Tamaya T, et al. **Acta Obstet Gynecol Scand** 1985;64(4):307-9

Regulation of alpha- and beta-adrenergic receptor subclasses by gonadal steroids in human myometrium. Bottari SP, et al. **Acta Physiol Hung** 1985;65(3):335-46

Characterization of beta-adrenergic receptors in human myometrium and placenta. Falkay G, et al. **Acta Physiol Hung** 1985;65(4):491-5

beta-Adrenergic-receptor and adenylate cyclase properties in pregnant and nonpregnant guinea pig myometrium. Hatjis CG. **Am J Obstet Gynecol** 1985 Apr 1;151(7):943-50

Human myometrial adrenergic receptors during pregnancy: identification of the alpha-adrenergic receptor by [3H] dihydroergocryptine binding. Jacobs MM, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):680-4

The effects of alpha- and beta-adrenergic stimulation on contractility and prostaglandin (prostaglandins E2 and F2 alpha and 6-keto-prostaglandin F1 alpha) production of pregnant human myometrial strips. Quaas L, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):852-6

Gap junctions and myometrial steroid hormone receptors in pregnant and postpartum rats: a possible cellular basis for the progesterone withdrawal hypothesis. Saito Y, et al. **Am J Obstet Gynecol** 1985 Mar 15;151(6):805-12

Oxytocin contracts the human uterus at term by inhibiting the myometrial Ca2+-extrusion pump. Popescu LM, et al. **Biosci Rep** 1985 Jan;5(1):21-8

Study of oxytocin receptor: II. oxytocin and prostaglandin F2 alpha receptors in human myometria and amnion-decidua complex during pregnancy and labor. Fukai H, et al. **Endocrinol Jpn** 1984 Oct;31(5):565-70

Bioconversion of arachidonic acid to prostaglandins and related compounds in human myometrium and uterine cervix. Mitsuhashi N, et al. **Endocrinol Jpn** 1984 Dec; 31(6):815-20

Hormonal regulation of myometrial estrogen, progesterone, and oxytocin receptors in the pregnant and pseudopregnant hamster. Leavitt WW. **Endocrinology** 1985 Mar; 116(3):1079-84

A longitudinal study of cyclic nucleotide phosphodiesterase activity and its relationship with nucleic acid content in the myometrium of cynomolgus monkeys (Macaca fascicularis) between days 39 and 162 of gestation. Ferre F, et al. **Gynecol Obstet Invest** 1985;19(1):42-52

Estrogen biosynthesis in leiomyoma and myometrium of the uterus. Yamamoto T, et al. **Horm Metab Res** 1984 Dec; 16(12):678-9

Benzodiazepine binding sites in human myometrium. Ronca-Testoni S, et al. **Int J Tissue React** 1984;6(5):437-41

Forskolin modulates cyclic AMP generation in the rat myometrium. Interactions with isoproterenol and prostaglandins E2 and I2. Mokhtari A, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(3):213-27 (30 ref.)

Age-, cycle- and topographic dependency of human myometrial prostaglandin (6-keto-PGF1 alpha, PGF2 alpha)-synthesis in vitro. Quaas L, et al. **Prostaglandins** 1985 May;29(5):739-45

Stimulation of myometrial and decidual prostaglandin production by amniotic fluid from term, but not midtrimester pregnancies. Rehnström J, et al. **Prostaglandins** 1983 Dec;26(6):973-81

[Alpha-adrenergic receptors in the myometrium of the preparturient rat] Maltier JP, et al. **Pathol Biol (Paris)** 1984 Oct;32(8):878-83 **(Fre)**

[Estrogen biosynthesis in human uterine myoma tissue. The distribution of androstenedione aromatase activity in uterine myoma tissue] Takamori K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct; 36(10):1861-6 (Eng. Abstr.) **(Jpn)**

[Preliminary studies of chromium concentration in the myometrium in the third trimester of pregnancy, in chorionic tissue in the first trimester and in the blood of pregnant women] Jendryczko A, et al. **Ginekol Pol** 1984 Sep;55(9):691-4 (Eng. Abstr.) **(Pol)**

[Passive transport of calcium into plasma membrane fractions of myometrium cells] Kosterin SA, et al. **Biokhimiia** 1984 Sep;49(9):1407-17 (Eng. Abstr.) **(Rus)**

[Levels and intracellular distribution of calcium and magnesium in the myometrium] Kosterin SA, et al. **Ukr Biokhim Zh** 1985 Jan-Feb;57(1):53-7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Ultrasound estimation of myometrial invasion of endometrial cancer by intrauterine radial scanning. Obata A, et al. **JCU** 1985 Jul-Aug;13(6):397-404

[Morphometric study of the myometrium in multiparae] Stepaniants RI, et al. **Akush Ginekol (Mosk)** 1985 May; (5):54-5 **(Rus)**

PHYSIOLOGY

Structural and functional studies of myometrial gap junctions. MacKenzie LW, et al. **Acta Physiol Hung** 1985; 65(4):461-72

The role of prostaglandins for the coordination of myometrial forces during labour. Wiqvist N, et al. **Acta Physiol Hung** 1985;65(3):313-22

Development of myometrial electrical activity during the first half of pregnancy in the sheep. Sigger JN, et al. **Aust J Biol Sci** 1984;37(3):153-62

Control of myometrial function in preterm versus term labor. Garfield RE. **Clin Obstet Gynecol** 1984 Sep;27(3):572-91

Modulation of spontaneous myometrial activity in chronically instrumented ovariectomized sheep. Verhoeff A, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Feb; 19(2):113-24

Relaxin inhibits the plateau component of the action potential in the circular myometrium of the rat. Chamley WA, et al. **J Physiol (Lond)** 1984 Aug;353:51-65

Some properties of the circular myometrium of the sheep throughout pregnancy and during labour. Parkington HC. **J Physiol (Lond)** 1985 Feb;359:1-15

External recording and processing of fast electrical activity of the uterus in human parturition. Planes JG, et al. **Med Biol Eng Comput** 1984 Nov;22(6):585-91

Relaxinlike bioactivity in pooled human pregnancy serum. Brenner SH, et al. **Obstet Gynecol** 1985 Jul;66(1):46-9

Prostaglandins in the human uterus: an interaction between endometrium and myometrium. Cameron IT, et al. **Prostaglandins Leukotrienes Med** 1985 Mar;17(3):329-35

[Experimental study of the activity of the myometrium as affected by mineral waters] Keshokova MP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun; (3):32-4 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotide content of the rabbit myometrium in various functional states] Kondratiuk TP, et al. **Vopr Med Khim** 1985 Mar-Apr;31(2):55-9 (Eng. Abstr.) **(Rus)**

SURGERY

Myomectomy in treatment of uterine fibroids [letter] Driessen F. **Trop Doct** 1985 Apr;15(2):68

ULTRASTRUCTURE

Gap junctions and direct intercellular communication between rat uterine smooth muscle cells. Cole WC, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C20-31

Hormonal control of gap junctions in the myometrium. MacKenzie LW, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C296-308

Myometrial ultrastructure and innervation in Myotis lucifugus, the little brown bat. Buchanan GD, et al. **Anat Rec** 1984 Nov;210(3):463-75

Ultrastructural changes in uterine myometrium of mice with experimentally-induced adenomyosis. Mori T, et al. **Experientia** 1984 Dec 15;40(12):1385-7

Structural changes in the contractile apparatus of the myometrium during estrus and pregnancy. Kelly RE, et al. **J Submicrosc Cytol** 1985 Jan;17(1):1-10

Effect of estradiol-17 beta and prostaglandins on rat myometrial gap junctions. MacKenzie LW, et al. **Prostaglandins** 1983 Dec;26(6):925-41

MYONEURAL JUNCTION see NEUROMUSCULAR JUNCTION

MYOPIA

The management of labor in high myopic patients. Neri A, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 May; 19(5):277-9

Predicting of myopia progression in school children. Mäntyjärvi MI. **J Pediatr Ophthalmol Strabismus** 1985 Mar-Apr;22(2):71-5

COMPLICATIONS

Evolution of lacquer cracks in high myopia. Shapiro M, et al. **Ann Ophthalmol** 1985 Apr;17(4):231-5

Combined congenital glaucoma, pigmentary glaucoma, and high myopia in an infant. Weinberger D, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jul-Aug;22(4):147-8

Natural history of choroidal neovascularization in degenerative myopia. Avila MP, et al. **Ophthalmology** 1984 Dec;91(12):1573-81

[Absolute light threshold in senile cataract in myopic and emmetropic eyes] Tomović J, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:303-4 **(Fre)**

[Diabetic retinopathy and severe myopia] Grange JD, et al. **Bull Soc Ophtalmol Fr** 1984 Feb;84(2):205-8, 211 (Eng. Abstr.) **(Fre)**

[Experiences with intracapsular cataract operation in myopic patients] Wölz U, et al. **Klin Monatsbl Augenheilkd** 1984 Jun;184(6):563-5 (Eng. Abstr.) **(Ger)**

[Clinical picture of transudative macular dystrophy in myopia] Vodovozov AM, et al. **Oftalmol Zh** 1984;(6):337-9 (Eng. Abstr.) **(Rus)**

[Combined operations in retinal detachment including episcleral implantation of scleral tissue in patients with high myopia] Sergienko NM, et al. **Vestn Oftalmol** 1984 Nov-Dec;(6):30-3 (Eng. Abstr.) **(Rus)**

[Importance of the photostress test in diagnosing dry and transudative forms of macular dystrophy in myopia] Vodovozov AM, et al. **Vestn Oftalmol** 1985 Jan-Feb; 101(1):49-51 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

An unusual case of antimetropia. Rabin J. **Am J Optom Physiol Opt** 1985 Apr;62(4):287-91

Leber's optic atrophy with myopia masquerading as glaucoma: case report. Lauer SA, et al. **Ann Ophthalmol** 1985 Feb;17(2):146-8

Night myopia. Hope GM, et al. **Surv Ophthalmol** 1984 Sep-Oct;29(2):129-36

[Differentiation of the transudative (moist) form of complicated myopia from the dry form by the blood protein composition and permeability of the vascular wall] Korotkov VN. **Oftalmol Zh** 1984;(5):300-2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Further observations on use of atropine in the treatment of myopia. Brenner RL. **Ann Ophthalmol** 1985 Feb; 17(2):137-40

The treatment of myopia with atropine and bifocals: a long-term prospective study [letter] Bedrossian RH. **Ophthalmology** 1985 May;92(5):716

The treatment of myopia with atropine and bifocals. A long-term prospective study. Brodstein RS, et al. **Ophthalmology** 1984 Nov;91(11):1373-9

ETIOLOGY

The ocular findings in Kniest dysplasia. Maumenee IH, et al. **Am J Ophthalmol** 1985 Jul 15;100(1):155-60

Posttraumatic transient glaucoma and myopia. Romem M, et al. **Am J Ophthalmol** 1985 Apr 15;99(4):495

Myopia and unexpected intraocular pressure elevations after neodymium-YAG capsulotomy [letter] Parrish RK 2d, et al. **Arch Ophthalmol** 1985 Sep;103(9):1277

Transient myopia after visual work. Jaschinski-Kruza W. **Ergonomics** 1984 Nov;27(11):1181-9

Anisophoria after implantation of an intraocular lens. Schipper I. **J Am Intraocul Implant Soc** 1985 May; 11(3):290-1

An animal model of myopia. Raviola E, et al. **N Engl J Med** 1985 Jun 20;312(25):1609-15

What causes nearsightedness? [news] Kolata G. **Science** 1985 Sep 20;229(4719):1249-50

[Myopia: causes and prevention] Borgers D. **Klin Monatsbl Augenheilkd** 1985 Jan;186(1):48-55 (Eng. Abstr.) **(Ger)**

[Relation of myopia to nervous system pathology in children] Berezina TG, et al. **Oftalmol Zh** 1984;(7):419-21 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Prevalence of myopia in school children in Vanuatu. Garner LF, et al. **Acta Ophthalmol (Copenh)** 1985 Jun;63(3):323-6

Primary angle closure glaucoma in a myopic kinship. Hagan JC 3d, et al. **Arch Ophthalmol** 1985 Mar;103(3):363-5

Autosomal dominant cataract and microcornea associated with myopia in a Sicilian family. Mollica F, et al. **Clin Genet** 1985 Jul;28(1):42-6

Segregation analysis of ocular refraction and myopia. Ashton GC. **Hum Hered** 1985;35(4):232-9

[The gene frequency of high myopia and research on its genetic mode] Li JH. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):222-4 **(Chi)**

OCCURRENCE

Myopia among optometry students. Septon RD. **Am J Optom Physiol Opt** 1984 Dec;61(12):745-51

[Nature of myopia in young people] Wang FR. **Chung Hua Yen Ko Tsa Chih** 1985 Mar;21(2):114-8 **(Chi)**

PATHOLOGY

[Collagen architecture of the lamina cribrosa of the human eye in glaucoma and severe myopia] Kuběna K, et al. **Cesk Oftalmol** 1984 Jun;40(2-3):73-8 (Eng. Abstr.) **(Cze)**

[Collagen architecture of the trabecular meshwork in the human eye in glaucoma and severe myopia] Rehák S, et al. **Cesk Oftalmol** 1984 Sep;40(5):256-9 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

The correlation between the amplitude of accommodation and low-luminance myopia. Epstein D. **Acta Ophthalmol (Copenh)** 1984 Dec;62(6):955-60

Night myopia. Seymore RJ. **Am Fam Physician** 1985 Jun; 31(6):105-8

Prevalence and pattern of adult myopia progression in a general optometric practice population. Goss DA, et al. **Am J Optom Physiol Opt** 1985 Jul;62(7):470-7

Differences in the perceptual skills development of young myopes and hyperopes. Rosner J, et al. **Am J Optom Physiol Opt** 1985 Aug;62(8):501-4

Trends in the change of clinical refractive error in myopes. Goss DA, et al. **J Am Optom Assoc** 1985 Aug;56(8):608-13

[Dark adaptation in myopia] Yao K. **Chung Hua Yen Ko Tsa Chih** 1984 Sep;20(5):291-5 **(Chi)**

[Corneal pachymetry during gradual adaptation to contact lenses in low and medium myopia] Háčiková S, et al. **Cesk Oftalmol** 1985 Mar;41(2):107-10 (Eng. Abstr.) **(Cze)**

[Data on the interrelations between a change in magnesium-phosphorus-calcium metabolism, accommodation function and the progression of myopia in children] Kolosov VI, et al. **Oftalmol Zh** 1984;(7):422-4 (Eng. Abstr.) **(Rus)**

[Indices of body development and the circadian excretion of 17-hydroxycorticosteroids and 17-ketosteroids in children with myopia at various ages] Kolosov VI. **Oftalmol Zh** 1984;(8):480-4 (Eng. Abstr.) **(Rus)**

[Physiological tonus and the spasm of accommodation] Levchenko OG. **Oftalmol Zh** 1985;(3):177-80 **(Rus)**

[Dynamics of the anatomico-optical parameters of the eye in schoolchildren with initial myopia] Ul'danov GA, et al. **Oftalmol Zh** 1984;(5):313-7 **(Rus)**

[Dark adaptation with eyeglasses and contact lens correction in patients with high myopia] Zhivotovskiĭ LD. **Oftalmol Zh** 1985;(3):164-5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Action on the apparatus of accommodation--an effective means of preventing myopia and its progression] Avetisov ES, et al. **Oftalmol Zh** 1984;(8):494-7 **(Rus)**

PSYCHOLOGY

Nearwork, school achievement and myopia. Ashton GC. **J Biosoc Sci** 1985 Apr;17(2):223-33

REHABILITATION

'Thanks again, Harvey' [letter] Durham DG. **Ophthalmic Surg** 1984 Oct;15(10):875

SURGERY

Minnesota Multiphasic Personality Inventory: comparison of patients accepting and rejecting myopia surgery. Goldstein J, et al. **Ann Ophthalmol** 1985 Jul;17(7):437-9

Anterior radial keratotomy experience in 600 cases of myopia. Singh D, et al. **Ann Ophthalmol** 1984 Aug;16(8):757-61

Radial keratotomy: personal case study. Benjamin NR. **AORN J** 1985 Aug;42(2):221-4

Radial keratotomy. New help for patients with myopia. Dodge DC. **AORN J** 1985 Aug;42(2):214-21

Visual, refractive, and keratometric results of radial keratotomy. One-year follow-up. Arrowsmith PN, et al. **Arch Ophthalmol** 1984 Nov;102(11):1612-7

The status of radial keratotomy in 1984. Binder PS. **Arch Ophthalmol** 1984 Nov;102(11):1601-3

Radial keratotomy [letter] Choyce DP. **Br Med J [Clin Res]** 1985 Jun 1;290(6482):1662

Computer analysis of radial keratotomy. Smith RS, et al. **CLAO J** 1984 Jul-Sep;10(3):241-8

Refractive keratoplasty: myopic keratomileusis in baboons. Binder PS, et al. **Curr Eye Res** 1984 Oct;3(10):1187-97

Microsurgery of the lens in high myopia for optical purposes [letter] Verzella F. **J Am Intraocul Implant Soc** 1985 Jan; 11(1):65

Radial keratotomy findings released; some still wary [news] Fletcher C. **JAMA** 1985 Feb 22;253(8):1103-4

Intraocular lenses in myopes. Armstrong TA, et al. **Ophthalmic Surg** 1984 Aug;15(8):653-7

Myopia, its surgical treatment, academic centers, and rewards [editorial] Spaeth GL. **Ophthalmic Surg** 1985 Feb; 16(2):81-2

Scleral reinforcement for high myopia. Thompson FB. **Ophthalmic Surg** 1985 Feb;16(2):90-4

Evaluating the predictability of radial keratotomy. Arrowsmith PN, et al. **Ophthalmology** 1985 Mar; 92(3):331-8

Map-fingerprint-dot changes in the corneal epithelial basement membrane following radial keratotomy. Nelson JD, et al. **Ophthalmology** 1985 Feb;92(2):199-205

Psychosocial findings in radial keratotomy patients two years after surgery. Powers MK, et al. **Ophthalmology** 1984 Oct; 91(10):1193-8

Results of the prospective evaluation of radial keratotomy (PERK) study one year after surgery. Waring GO 3d, et al. **Ophthalmology** 1985 Feb;92(2):177-98, 307

Clinical trial stirs legal battles [news] Norman C. **Science** 1985 Mar 15;227(4692):1316-8

Refractive surgery for aphakia and myopia. Kaufman HE, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 1):43-7

Evolution of radial keratotomy for myopia. Waring GO 3d. **Trans Ophthalmol Soc UK** 1985;104 (Pt 1):28-42

[Myopic keratomileusis] Couderc JL, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:365-6 **(Fre)**

[Comparative evaluation of the immediate results of scleroplastic operations using allosclera and allofascia in progressive myopia] Adigezalova-Polchaeva KA, et al. **Oftalmol Zh** 1984;(8):457-60 (Eng. Abstr.) **(Rus)**

[Late results of the surgical treatment of myopia] Beliaev VS, et al. **Oftalmol Zh** 1984;(8):454-7 (Eng. Abstr.) **(Rus)**

[Visual acuity after radial keratotomy and its relation to the size of the retinal image] Ivashina AI, et al. **Oftalmol Zh** 1985;(1):21-3 (Eng. Abstr.) **(Rus)**

[Use of intraocular correction in cataract and myopia] Ivashina AI, et al. **Oftalmol Zh** 1984;(4):217-9 (Eng. Abstr.) **(Rus)**

[Effect of alloscleroplastic operations on the visual functions in persons with high myopia at different stages of the manifestation of chorioretinal dystrophy] Krasnikov PG, et al. **Oftalmol Zh** 1985;(3):156-9 (Eng. Abstr.) **(Rus)**

[Effectiveness of scleroplasty in myopia] Lemziakov GG, et al. **Oftalmol Zh** 1984;(8):460-3 (Eng. Abstr.) **(Rus)**

[Intralamellar reinforcement of the sclera in high myopia complicated by hemorrhage and transudative macular dystrophy] Panfilov NI. **Oftalmol Zh** 1984;(8):467-8 (Eng. Abstr.) **(Rus)**

[Effectiveness of the surgical treatment of progressive myopia in children and adolescents] Puchkovskaia NA, et al. **Oftalmol Zh** 1984;(8):449-54 (Eng. Abstr.) **(Rus)**

[Results of scleroplastic operations in progressive myopia using biological tissues preserved in carbon dioxide] Sutiagina OV, et al. **Oftalmol Zh** 1984;(8):465-7 (Eng. Abstr.) **(Rus)**

[Late results of introducing allotissue into Tenon's space in progressive myopia] Svirin AV, et al. **Oftalmol Zh** 1984; (8):471-2 (Eng. Abstr.) **(Rus)**

[Brephoscleroplasty in progressive myopia] Zaĭkova MV, et al. **Oftalmol Zh** 1984;(8):463-5 (Eng. Abstr.) **(Rus)**

[Correction of high myopia with an extrapupillary iris lens (preliminary report)] Dvali ML. **Vestn Oftalmol** 1984 Sep-Oct;(5):29-31 (Eng. Abstr.) **(Rus)**

[Effect of orthokeratotomy on the frequency-contrast characteristics of the eyes] Krasnov MM, et al. **Vestn Oftalmol** 1984 Nov-Dec;(6):27-30 (Eng. Abstr.) **(Rus)**

[Prevention of the progression of myopia by the Remizov-Griaznov method of modified scleroplasty] Pivovarov NN, et al. **Vestn Oftalmol** 1985 Mar-Apr; 101(2):36-9 (Eng. Abstr.) **(Rus)**

[Use of nonpenetrating meridional keratoplasty for correcting myopia] Shotter LL. **Vestn Oftalmol** 1984 Sep-Oct;(5):26-9 (Eng. Abstr.) **(Rus)**

[Transplantation of the dura mater of the human fetus in progressive myopia] Zaikova MV, et al. **Vestn Oftalmol**

1984 Nov–Dec;(6):33–4 (Eng. Abstr.) **(Rus)**

[Posterior scleroplasty in the treatment of severe progressive myopia] Izák M, et al. **Cesk Oftalmol** 1984 Sep;40(5):311–20 (Eng. Abstr.) **(Slo)**

THERAPY

An ophthalmologist's personal experience with radial keratotomy. Santos CI. **Ann Ophthalmol** 1984 Nov; 16(11):1030–2

Myopic correction using alloplastic implants in non-human primates—a preliminary report. Werblin TP, et al. **Ann Ophthalmol** 1984 Dec;16(12):1127–30

Myopic extended wear contact lenses in 100 patients: a retrospective study. Maguen E, et al. **CLAO J** 1984 Oct–Dec;10(4):335–40

Scleroderma, keratoconjunctivitis sicca, and soft contact lens treatment. Bourgeois JA. **J Am Optom Assoc** 1984 Aug; 55(8):581–5

The Houston myopia control study: a preliminary report by the patient care team. Grosvenor T, et al. **J Am Optom Assoc** 1985 Aug;56(8):636–43

Treatment of myopia with atropine and bifocals [letter] Gruber E. **Ophthalmology** 1985 Jul;92(7):985

Polysulfone corneal inlays. Adverse reactions: a preliminary report. Kirkness CM, et al. **Trans Ophthalmol Soc UK** 1985; 104 (Pt 3):343–50

[Retroscleral filling as a treatment method in progressive myopia] Kursikov AI, et al. **Oftalmol Zh** 1984;(8):469–70 (Eng. Abstr.) **(Rus)**

[Nonsurgical method of stabilizing the sclera in progressive myopia] Avetisov ES, et al. **Vestn Oftalmol** 1985 Mar–Apr; 101(2):31–6 (Eng. Abstr.) **(Rus)**

[Effect of training on an accommodation apparatus on the clinical course of initial myopia] Iusupov AIu, et al. **Vestn Oftalmol** 1985 Jan–Feb;101(1):34–6 (Eng. Abstr.) **(Rus)**

MYOSARCOMA

PATHOLOGY

Myosarcomas of the bladder and prostate. Mackenzie AR, et al. **Cancer** 1968 Oct;22(4):833–44

[Correlation between cell cycle and cell morphology of RKN cells] Nozawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Aug; 36(8):1213–22 (Eng. Abstr.) **(Jpn)**

MYOSIN

Amino acid sequence of the phosphorylation site of bovine cardiac myosin light chain. Lukas TJ, et al. **Arch Biochem Biophys** 1985 May 1;238(2):664–9

Fluorescence energy transfers between points in acto-subfragment-1 rigor complex. Miki M, et al. **Biochim Biophys Acta** 1984 Nov 9;790(3):275–83

X-ray diffraction evidence for cross-bridge formation in relaxed muscle fibers at various ionic strengths. Brenner B, et al. **Biophys J** 1984 Sep;46(3):299–306

Unshadowed myosin molecules: STEM mass-maps of myosin heads. Walzthöny D, et al. **EMBO J** 1984 Nov;3(11):2621–6

Conformational stability of the myosin rod. Cross RA, et al. **Eur J Biochem** 1984 Dec 3;145(2):305–10

The widespread distribution of alpha-N-trimethylalanine as the N-terminal amino acid of light chains from vertebrate striated muscle myosins. Henry GD, et al. **Eur J Biochem** 1985 Apr 1;148(1):75–82

Further characterization of the structural and functional properties of the cross-linked complex between F-actin and myosin S-1. Rouayrenc JF, et al. **Eur J Biochem** 1985 Jan 15;146(2):391–401

Shadowing of elongated helical molecules (myosin, tropomyosin, collagen, and DNA) yields regular molecule-dependent heavy metal grain patterns. Walzthöny D, et al. **Eur J Cell Biol** 1984 Nov;35(2):216–25

Bending of smooth muscle myosin rod. Cross RA. **FEBS Lett** 1984 Oct 15;176(1):197–201

Direct cross-linking of three domains in the myosin head. Hiratsuka T. **J Biochem (Tokyo)** 1984 Jul;96(1):269–72

Effect of regulatory light chain on chymotryptic digestion of scallop adductor myosin. Konno K, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1645–51

Selective modification of myosin SH1 with 1,2,4-trinitrobenzene. VIII. Thiols of myosin. Sekine T, et al. **J Biochem (Tokyo)** 1984 Jul;96(1):27–33

Three-dimensional image analysis of the complex of thin filaments and myosin molecules from skeletal muscle. V. Assignment of actin in the actin-tropomyosin-myosin subfragment-1 complex. Toyoshima C, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):245–63

Three-dimensional image analysis of the complex of thin filaments and myosin molecules from skeletal muscle. IV. Reconstitution from minimal- and high-dose images of the actin-tropomyosin-myosin subfragment-1 complex. Toyoshima C, et al. **J Biochem (Tokyo)** 1985 Jan; 97(1):219–43

An electron spin resonance study of temperature-induced structural changes of the spin-labeled myosin head: an evidence for two conformational states of myosin head. Yamada T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1021–6

Axial arrangement of the myosin rod in vertebrate thick filaments: immunoelectron microscopy with a monoclonal antibody to light meromyosin. Shimizu T, et al. **J Cell Biol** 1985 Sep;101(3):1115–23

Structural changes that occur in scallop myosin filaments upon activation. Vibert P, et al. **J Cell Biol** 1985 Sep; 101(3):830–7

Microsecond rotational motions of eosin-labeled myosin measured by time-resolved anisotropy of absorption and phosphorescence. Eads TM, et al. **J Mol Biol** 1984 Oct 15;179(1):55–81

Proximity of regulatory light chains in scallop myosin. Hardwicke PM, et al. **J Mol Biol** 1985 May 25; 183(2):203–11

MgATP specifically controls in vitro self-assembly of vertebrate skeletal myosin in the physiological pH range. Pinset-Härström I. **J Mol Biol** 1985 Mar 5;182(1):159–72

Recombinant DNA approach for defining the primary structure of monoclonal antibody epitopes. The analysis of a conformation-specific antibody to myosin light chain 2. Reinach FC, et al. **J Mol Biol** 1985 Feb 5;181(3):411–22

Analysis of the metal-induced conformational change in myosin with a monoclonal antibody to light chain two. Shimizu T, et al. **J Mol Biol** 1985 May 25;183(2):271–82

Electron microscopic visualization of the SH1 thiol of myosin by the use of an avidin-biotin system. Sutoh K, et al. **J Mol Biol** 1984 Sep 15;178(2):323–39

An enzyme-probe study of motile domains in the subfragment-2 region of myosin. Ueno H, et al. **J Mol Biol** 1984 Dec 15;180(3):667–701

Electron microscopy of cross-linked scallop myosin. Vibert P, et al. **J Mol Biol** 1985 May 25;183(2):283–6

Packing analysis of crystalline myosin subfragment-1. Implications for the size and shape of the myosin head. Winkelmann DA, et al. **J Mol Biol** 1985 Feb 20; 181(4):487–501

Location of the SH group of the alkali light chain on the myosin head as revealed by electron microscopy. Yamamoto K, et al. **J Mol Biol** 1985 May 25;183(2):287–90

Methylated lysines and 3-methylhistidine in myosin: tissue and developmental differences. Huszar G. **Methods Enzymol** 1984;106:287–95

Structure of the actin-myosin complex in the presence of ATP. Craig R, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3247–51

Stabilization of a primary loop in myosin subfragment 1 with a fluorescent crosslinker. Mornet D, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1658–62

ANALYSIS

Smooth and skeletal muscle myosins in spindle cell tumors of soft tissue. An immunohistochemical study. Saku T, et al. **Acta Pathol Jpn** 1985 Jan;35(1):125–36

A comparative study on the immunolocalization of keratin and myosin in salivary gland tumors. Saku T, et al. **Acta Pathol Jpn** 1984 Sep;34(5):1031–40

Electrophoretic comparison of myosins from masticatory muscles and selected limb muscles in the dog. Shelton GD, et al. **Am J Vet Res** 1985 Feb;46(2):493–8

Myosin switches in skeletal muscle development of an urodelan amphibian, Pleurodeles waltlii. Comparison with a mammalian, Mus musculus. d'Albis A, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):94–100

Heterogeneity of myosin isozyme content of rabbit heart. Litten RZ, et al. **Circ Res** 1985 Sep;57(3):406–14

Local changes in myosin types in diseased human atrial myocardium: a quantitative immunofluorescence study. Bouvagnet P, et al. **Circulation** 1985 Aug;72(2):272–9

Myosin isoenzyme distribution and Ca+2-activated myosin ATPase activity in the rat heart is influenced by fructose feeding and triiodothyronine. Dillmann WH. **Endocrinology** 1985 Jun;116(6):2160–6

Contractile protein transitions in human cardiac overload: reality and limitations. Cummins P. **Eur Heart J** 1984 Dec; 5 Suppl F:119–27

Characterization and distribution of myosin variants in normal and pathological human hearts. Léger J, et al. **Eur Heart J** 1984 Dec;5 Suppl F:111–7

Isomyosins, microtubules and desmin during the onset of cardiac hypertrophy in the rat. Rappaport L, et al. **Eur Heart J** 1984 Dec;5 Suppl F:243–50

Myosin isoenzymes in human hypertrophic hearts. Shift in atrial myosin heavy chains and in ventricular myosin light chains. Schaub MC, et al. **Eur Heart J** 1984 Dec;5 Suppl F:85–93

Myosin changes in hypertrophied human atrial and ventricular myocardium. A correlated immunofluorescence and quantitative immunochemical study on serial cryosections. Schiaffino S, et al. **Eur Heart J** 1984 Dec; 5 Suppl F:95–102

Distribution of myosin isozymes in human atrial and ventricular myocardium: comparison in normal and overloaded heart. Yazaki Y, et al. **Eur Heart J** 1984 Dec; 5 Suppl F:103–10

Effect of nucleotides, divalent cations and temperature on the tryptic susceptibility of myosin subfragment 1. Mocz G, et al. **Eur J Biochem** 1984 Dec 3;145(2):221–9

Different distributions of microtubules, desmin filaments and isomyosins during the onset of cardiac hypertrophy in the rat. Samuel JL, et al. **Eur J Cell Biol** 1984 Jul;34(2):300–6

A developmentally regulated disappearance of slow myosin in fast-type muscles of the mouse. Whalen RG, et al. **FEBS Lett** 1984 Nov 5;177(1):51–6

Actin-binding peptide obtained by the cyanogen bromide cleavage of the 20-kDa fragment of myosin subfragment-1. Katoh T, et al. **J Biol Chem** 1985 Jun 10;260(11):6723–7

The amino acid sequence and stability predictions of the hinge region in myosin subfragment 2. Lu RC, et al. **J Biol Chem** 1985 Mar 25;260(6):3456–61

Quantitative immunochemical studies of myosin in Dictyostelium discoideum. Reines D, et al. **J Biol Chem** 1985 Jan 25;260(2):1133–40

Chronic denervation of rat hemidiaphragm: maintenance of fiber heterogeneity with associated increasing uniformity of myosin isoforms. Carraro U, et al. **J Cell Biol** 1985 Jan; 100(1):161–74

Characterization of a myosin heavy chain in the conductive system of the adult and developing chicken heart. González-Sánchez A, et al. **J Cell Biol** 1985 Jan; 100(1):270–5

Monoclonal antibodies against seven sites on the head and tail of Dictyostelium myosin. Peltz G, et al. **J Cell Biol** 1985 Apr;100(4):1016–23

Qualitative analysis of skeletal myosin as substrate of Ca2+-activated neutral protease: comparison of filamentous and soluble, native, and L2-deficient myosin. Pemrick SM, et al. **J Cell Biol** 1984 Dec;99(6):2297–308

Embryonic chicken skeletal, cardiac, and smooth muscles express a common embryo-specific myosin light chain. Takano-Ohmuro H, et al. **J Cell Biol** 1985 Jun; 100(6):2025–30

Immunohistochemical localization of smooth muscle myosin in normal human tissues. Longtine JA, et al. **J Histochem Cytochem** 1985 Mar;33(3):179–84

Myosin light chains of avian and mammalian slow muscles: peptide mapping of 2S light chains. Dalla Libera L, et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):411–21

Crossbridge behaviour during muscle contraction. Huxley HE, et al. **J Muscle Res Cell Motil** 1985 Apr;6(2):153–61 (28 ref.)

Electrophoretic and ultrastructural analysis of the rabbit's striated external urethral sphincter. Tokunaka S, et al. **J Urol** 1984 Nov;132(5):1040–3

Slow myosin heavy chain isozyme in nemaline myopathy. Biral D, et al. **Neurology** 1985 Sep;35(9):1360–3

[Myosins from lower eukaryotes] Kohama K, et al. **Tanpakushitsu Kakusan Koso** 1984 Sep;29(9):723–34 (42 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Suppression of active cross-bridge motions of isolated thick myofilaments in suspension by phenylmethylsulfonyl fluoride. Fan SF, et al. **Biochim Biophys Acta** 1985 Jan 21;827(1):101–5

BIOSYNTHESIS

Myosin heavy chain and actin fractional rates of synthesis in normal and overload rat heart ventricles. Moalic JM, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):875–84

BLOOD

Diagnosis of acute myocardial infarction by detection of circulating cardiac myosin light chains. Katus HA, et al. **Am J Cardiol** 1984 Nov 1;54(8):964–70

Role of myosin phosphorylation in contractility of a platelet aggregate. Bromberg ME, et al. **Am J Physiol** 1985 Sep; 249(3 Pt 1):C297–303

Characterization of the ATPase activities of myosins isolated from the membrane and the cytoplasmic fractions of human platelets. Peleg I, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):442–53

Immunohistochemical studies with antibodies to myosins from the cytoplasm and membrane fraction of human blood platelets. Gröschel-Stewart U, et al. **Cell Tissue Res** 1985; 241(2):399–404

Properties of porcine platelet myosin. II. Shape change of the molecule. Takeuchi K, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1695–708

Serotonin secretion from human platelets may be modified by Ca2+-activated, phospholipid-dependent myosin phosphorylation. Inagaki M, et al. **J Biol Chem** 1984 Dec 10;259(23):14321–3

Myosin from human erythrocytes. Wong AJ, et al. **J Biol Chem** 1985 Jan 10;260(1):46–9

Human erythrocyte myosin: identification and purification. Fowler VM, et al. **J Cell Biol** 1985 Jan;100(1):47–55

CLASSIFICATION

Fiber types and myosin types in human atrial and ventricular myocardium. An anatomical description. Bouvagnet P, et al. **Circ Res** 1984 Dec;55(6):794–804

GENETICS

The actin and myosin multigene families. Buckingham M, et al. **Adv Exp Med Biol** 1985;182:333–44

Myosin isoforms in normal and dystrophic human and murine muscles. Hoh JF, et al. **Adv Exp Med Biol** 1985;182:43–62

Myosin expression during regeneration and in denervated skeletal muscle. Strohman RC, et al. **Adv Exp Med Biol** 1985;182:259–63

Tissue specificity of 3'-untranslated sequence of myosin light chain gene: unexpected interspecies homology with repetitive DNA. Saidapet C, et al. **Arch Biochem Biophys** 1984 Sep;233(2):565–72

Analysis of thyroid hormone effects on myosin heavy chain gene expression in cardiac and soleus muscles using a novel dot-blot mRNA assay. Gustafson TA, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1161-7

Myosin light chain-1: genetic analysis of three variants found in fast white chicken muscle and investigation of linkage with the muscular dystrophy gene. Rushbrook JI, et al. **Biochem Genet** 1985 Feb;23(1-2):17-27

A single locus in the mouse encodes both myosin light chains 1 and 3, a second locus corresponds to a related pseudogene. Robert B, et al. **Cell** 1984 Nov;39(1):129-40

Cloning nematode myosin genes. Karn J, et al. **Cell Muscle Motil** 1985;6:185-237 (144 ref.)

Isolation of genomic clones coding for the heavy chains of two human cardiac myosins. Catanzaro DF, et al. **Clin Exp Pharmacol Physiol** 1985 May-Jun;12(3):295-7

Actin and myosin multigene families: their expression during the formation of skeletal muscle. Buckingham ME. **Essays Biochem** 1985;20:77-109 (98 ref.)

Myosin heavy chain mRNA during the development and regression of myocardial hypertrophy. Cutilletta AF. **Eur Heart J** 1984 Dec;5 Suppl F:193-7

Cardiac myosin heavy chain isozymic transitions during development and under pathological conditions are regulated at the level of mRNA availability. Mahdavi V, et al. **Eur Heart J** 1984 Dec;5 Suppl F:181-91

The gene structures of spontaneous mutations affecting a Caenorhabditis elegans myosin heavy chain gene. Eide D, et al. **Genetics** 1985 Jan;109(1):67-79

The myosin alkali light chains of mouse ventricular and slow skeletal muscle are indistinguishable and are encoded by the same gene. Barton PJ, et al. **J Biol Chem** 1985 Jul 15; 260(14):8578-84

Fast skeletal muscle myosin light chains 1 and 3 are produced from a single gene by a combined process of differential RNA transcription and splicing. Periasamy M, et al. **J Biol Chem** 1984 Nov 10;259(21):13595-604

Characterization of a developmentally regulated perinatal myosin heavy-chain gene expressed in skeletal muscle. Periasamy M, et al. **J Biol Chem** 1984 Nov 10; 259(21):13573-8

Intron positions are conserved in the 5' end region of myosin heavy-chain genes. Strehler EE, et al. **J Biol Chem** 1985 Jan 10;260(1):468-71

Isolation and characterization of the chicken cardiac myosin light chain (L-2A) gene. Evidence for two additional N-terminal amino acids. Winter B, et al. **J Biol Chem** 1985 Apr 10;260(7):4478-83

Co-expression of multiple myosin heavy chain genes, in addition to a tissue-specific one, in extraocular musculature. Wieczorek DF, et al. **J Cell Biol** 1985 Aug; 101(2):618-29

Sequence analysis of mutations that affect the synthesis, assembly and enzymatic activity of the unc-54 myosin heavy chain of Caenorhabditis elegans. Dibb NJ, et al. **J Mol Biol** 1985 Jun 25;183(4):543-51

Co-ordinate control of gene expression. Muscle-specific 7 S RNA contains sequences homologous to 3'-untranslated regions of myosin genes and repetitive DNA. Khandekar P, et al. **J Mol Biol** 1984 Dec 15;180(3):417-35

Investigation of genetic linkage between myosin and actin genes using an interspecific mouse back-cross. Robert B, et al. **Nature** 1985 Mar 14-20;314(6007):181-3

Tissue-specific expression of rat myosin light-chain 2 gene in transgenic mice. Shani M. **Nature** 1985 Mar 21-27; 314(6008):283-6

A comparison between mammalian and avian fast skeletal muscle alkali myosin light chain genes: regulatory implications. Daubas P, et al. **Nucleic Acids Res** 1985 Jul 11;13(13):4623-43

The nucleotide sequence of a rat myosin light chain 2 gene. Nudel U, et al. **Nucleic Acids Res** 1984 Sep 25; 12(18):7175-86

The methylation state of 2 muscle-specific genes: restriction enzyme analysis did not detect a correlation with expression. Shani M, et al. **Nucleic Acids Res** 1984 Sep 25;12(18):7225-34

Developmental variations in the splicing pattern of transcripts from the Drosophila gene encoding myosin alkali light chain result in different carboxyl-terminal amino acid sequences. Falkenthal S, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):449-53

IMMUNOLOGY

Dissociation of actomyosin complex by monovalent fragments of polyclonal antibodies to myosin. Mazander KD, et al. **FEBS Lett** 1985 Mar 25;182(2):287-90

A monoclonal antibody to the embryonic myosin heavy chain of rat skeletal muscle. Gambke B, et al. **J Biol Chem** 1984 Oct 10;259(19):12092-100

Myosin in cultured vascular smooth muscle cells: immunofluorescence and immunochemical studies of alterations in antigenic expression. Larson DM, et al. **J Cell Biol** 1984 Nov;99(5):1582-9

Localization and topography of antigenic domains within the heavy chain of smooth muscle myosin. Schneider MD, et al. **J Cell Biol** 1985 Jul;101(1):66-72

Epitopes of streptococcal M proteins shared with cardiac myosin. Dale JB, et al. **J Exp Med** 1985 Aug 1; 162(2):583-91

Quantifying cell death in the myocardium: myosin specific antibody in the evaluation of membrane defects. Haber E. **J Mol Cell Cardiol** 1985 Jul;17 Suppl 2:53-8

Characterization of a monoclonal antibody to myosin specific for mammalian and human type II muscle fibers. Sawchak JA, et al. **J Neurol Sci** 1985 Jul;69(3):247-54

Influence of myosin antiserum on heart sarcolemmal Ca2+ or Mg2+ ATPase activity. Tuana BS, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug; 45(2):297-300

Myosin: a link between streptococci and heart. Krisher K, et al. **Science** 1985 Jan 25;227(4685):413-5

The effect of antibodies to human platelet membrane and cytoplasmic myosins on myosin ATPase activity and platelet aggregation. Peleg I, et al. **Thromb Res** 1985 Jun 1;38(5):567-76

ISOLATION & PURIFICATION

Preparation and characterization of myosin from cultured cells of Escherichia coli (02:K1 30156 strain). Fazekas S, et al. **Acta Physiol Hung** 1985;65(1):37-46

Purification and properties of myosin from the 'hatching muscle' (m. complexus) of geese. Fazekas S, et al. **Acta Physiol Hung** 1985;66(1):5-25

The purification of myosin long subfragment 2 by DEAE-Sepharose CL-6B ion-exchange chromatography. Borras-Cuesta F, et al. **Anal Biochem** 1984 Oct;142(1):84-7

Purification of myosin light chains by high-performance liquid chromatography. Rushbrook JI. **Anal Biochem** 1985 May 1;146(2):336-42

Tryptic cleavage and substructure of bovine cardiac myosin subfragment 1. Applegate D, et al. **Biochemistry** 1984 Dec 18;23(26):6626-30

Classification and characterization of cardiac isomyosins. Clark WA, et al. **Eur Heart J** 1984 Dec;5 Suppl F:69-75

Isolation of cardiac myosin light-chain isotypes by chromatofocusing. Comparison of human cardiac atrial light-chain 1 and foetal ventricular light-chain 1. Vincent ND, et al. **Eur J Biochem** 1985 Apr 1;148(1):135-43

Amino acid sequences of the two kinds of regulatory light chains of adductor smooth muscle myosin from Patinopecten yessoensis. Miyanishi T, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):541-51

A simple and rapid method to remove light chain phosphatase from chicken gizzard myosin. Nakamura S, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):575-8

Two different preparations of subfragment-1 from chicken skeletal myosin and from porcine cardiac myosin. Nakata S, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):965-8

Comparison of myosin heavy chains in atria and ventricles from hyperthyroid, hypothyroid, and euthyroid rabbits. Chizzonite RA, et al. **J Biol Chem** 1984 Dec 25; 259(24):15564-71

Purification from Dictyostelium discoideum of a low-molecular-weight myosin that resembles myosin I from Acanthamoeba castellanii. Côté GP, et al. **J Biol Chem** 1985 Apr 25;260(8):4543-6

Amino acid sequence of a segment of the Acanthamoeba myosin II heavy chain containing all three regulatory phosphorylation sites. Côté GP, et al. **J Biol Chem** 1984 Oct 25;259(20):12781-7

Structure of myosin heavy chain in avian muscular dystrophy. Huszar G, et al. **J Biol Chem** 1985 Jun 25; 260(12):7429-34

Separation of myosin light chains by reversed-phase high-performance liquid chromatography on wide pore supports. Dalla Libera L, et al. **J Chromatogr** 1984 Sep 7;299(1):293-300

Methodology for purification of large hydrophobic peptides by high-performance liquid chromatography. Grandier-Vazeille X, et al. **J Chromatogr** 1984 Jul 27; 296:301-8

Identification of myosin heavy chain in Saccharomyces cerevisiae. Watts FZ, et al. **Nature** 1985 Jul 4-10; 316(6023):83-5

METABOLISM

Comparison of ATPase activity of cardiac myosins from different species. Nosztray K, et al. **Acta Biol Hung** 1983; 34(4):351-5

Distribution of slow myosin in dystrophic chicken muscle. Bandman E. **Adv Exp Med Biol** 1985;182:63-72

Myosins A & B in the organization of myofilaments. Epstein HF. **Adv Exp Med Biol** 1985;182:215-22

Myosin isozymes in developing chicken muscles. Lowey S. **Adv Exp Med Biol** 1985;182:269-80

Control of myosin isozymes during myogenesis in the rat. Rubinstein NA, et al. **Adv Exp Med Biol** 1985;182:141-53

Myosin isozyme transitions in developing and regenerating rat muscle. Whalen RG, et al. **Adv Exp Med Biol** 1985; 182:249-57

Synthesis and accumulation of myosin isozymes in tissue culture. Whalen RG, et al. **Adv Exp Med Biol** 1985; 182:193-9

The calmodulin-dependent phosphorylation of cardiac myosin. Hofmann F, et al. **Adv Myocardiol** 1985;5:87-95

Propranolol-induced changes in ventricular isomyosin composition in the rat. Pauletto P, et al. **Am Heart J** 1985 Jun;109(6):1269-73

Methyl palmoxirate increases Ca2+-myosin ATPase activity and changes myosin isoenzyme distribution in the diabetic rat heart. Dillmann WH. **Am J Physiol** 1985 May;248(5 Pt 1):E602-6

A radioimmunoblotting method for measuring myosin light chain phosphorylation levels in smooth muscle. Hathaway DR, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C345-51

Myosin phosphorylation, force, and maximal shortening velocity in neurally stimulated tracheal smooth muscle. Kamm KE, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C238-47

Role of myosin light-chain phosphorylation and microtubules in stress fiber morphology in cultured mesangial cells. Kreisberg JI, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F227-35

Isomyosin and thyroid hormone levels in pressure-overloaded weanling and adult rat hearts. Martin AF, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H305-10

Myosin light chain phosphorylation in fast and slow skeletal muscles in situ. Moore RL, et al. **Am J Physiol** 1984 Nov; 247(5 Pt 1):C462-71

Myosin phosphorylation in permeabilized rabbit psoas fibers. Sweeney HL, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C362-5

Myosin phosphorylation and contraction of feline esophageal smooth muscle. Weisbrodt NW, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C9-14

The function of myosin and myosin light chain kinase phosphorylation in smooth muscle. Kamm KE, et al. **Annu Rev Pharmacol Toxicol** 1985;25:593-620 (117 ref.)

Measurement of myosin adenosinetriphosphatase and myosin content in cultured heart cells. McDermott P, et al. **Arch Biochem Biophys** 1985 Jul;240(1):312-8

Effect of mild heat treatment on the ATPase activity and proteolytic sensitivity of myosin subfragment-1. Setton A, et al. **Arch Biochem Biophys** 1984 Dec;235(2):411-7

The phosphorylation site for casein kinase II on 20,000-Da light chain of gizzard myosin. Tashiro Y, et al. **Arch Biochem Biophys** 1984 Sep;233(2):540-6

The isomyosins of rabbit middle ear muscles. Moraru I Jr, et al. **Arch Int Physiol Biochim** 1984 Dec;92(5):385-90

Influence of the thyroid state on myocardial myosin in the adult pig heart. Wiegand V, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):12-7

The effect of leiotonin fraction on stably phosphorylated smooth muscle myosin. Chacko S, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):286-92

Trinitrophenylation of smooth muscle myosin. Srivastava S, et al. **Biochem Biophys Res Commun** 1985 Jan 31; 126(2):748-55

Influence of myocardial isomyosins on cardiac performance and oxygen consumption. Wikman-Coffelt J, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1314-23

Investigation of myosin substrate-binding site using phosphorylating analogs of the substrate. Kodentsova VM, et al. **Biochem Int** 1985 Feb;10(2):195-203

Myosin subunit composition in human developing muscle. Biral D, et al. **Biochem J** 1984 Dec 15;224(3):923-31

Nucleotide-induced changes in the proteolytically sensitive regions of myosin subfragment 1. Applegate D, et al. **Biochemistry** 1984 Sep 25;23(20):4779-84

Transient kinetics of the binding of ATP to actomyosin subfragment 1: evidence that the dissociation of actomyosin subfragment 1 by ATP leads to a new conformation of subfragment 1. Biosca JA, et al. **Biochemistry** 1984 May 22;23(11):2428-36

Effect of tryptic cleavage on the stability of myosin subfragment 1. Isolation and properties of the severed heavy-chain subunit. Burke M, et al. **Biochemistry** 1985 Feb 12;24(4):846-52

Interaction of isozymes of myosin subfragment 1 with actin: effect of ionic strength and nucleotide. Chalovich JM, et al. **Biochemistry** 1984 Oct 9;23(21):4885-9

Cross-linking of actin to myosin subfragment 1: course of reaction and stoichiometry of products. Chen T, et al. **Biochemistry** 1985 Jan 1;24(1):137-44

Tryptic digestion of rabbit skeletal myofibrils: an enzymatic probe of myosin cross-bridges. Chen T, et al. **Biochemistry** 1984 May 22;23(11):2400-7

Effects of Ca2+ and Mg2+ on the actomyosin adenosine-5'-triphosphatase of stably phosphorylated gizzard myosin. Heaslip RJ, et al. **Biochemistry** 1985 May 21;24(11):2731-6

Proteolysis of smooth muscle myosin by Staphylococcus aureus protease: preparation of heavy meromyosin and subfragment 1 with intact 20 000-dalton light chains. Ikebe M, et al. **Biochemistry** 1985 Apr 23;24(9):2380-7

Effects of interchain disulfide cross-links on the trypsin cleavage pattern and conformation of myosin subfragment 2. Lu RC, et al. **Biochemistry** 1984 Dec 4;23(25):5975-81

Interaction of the heavy chain of gizzard myosin heads with skeletal F-actin. Marianne-Pépin T, et al. **Biochemistry** 1985 Jun 4;24(12):3024-9

Incorporation of 6-carboxyfluorescein into myosin subfragment 1. Mornet D, et al. **Biochemistry** 1985 Feb 12;24(4):840-6

Cofilin, a protein in porcine brain that binds to actin filaments and inhibits their interactions with myosin and tropomyosin. Nishida E, et al. **Biochemistry** 1984 Oct 23; 23(22):5307-13

Characterization of the properties of ethenoadenosine nucleotides bound or trapped at the active site of myosin subfragment 1. Perkins WJ, et al. **Biochemistry** 1984 Aug 14;23(17):3994-4002

Phosphorylation kinetics of skeletal muscle myosin and the effect of phosphorylation on actomyosin adenosinetriphosphatase activity. Persechini A, et al. **Biochemistry** 1984 Aug 28;23(18):4144–50

Effect of various anions on the stability of the coiled coil of skeletal muscle myosin. Stafford WF 3d. **Biochemistry** 1985 Jun 18;24(13):3314–21

Rate-limiting step in the actomyosin adenosinetriphosphatase cycle: studies with myosin subfragment 1 cross-linked to actin. Stein LA, et al. **Biochemistry** 1985 Mar 12; 24(6):1357–63

Effect of skeletal muscle myosin light chain 2 on the Ca2+-sensitive interaction of myosin and heavy meromyosin with regulated actin. Wagner PD. **Biochemistry** 1984 Dec 4;23(25):5950–6

Comparison of effects of smooth and skeletal muscle tropomyosins on interactions of actin and myosin subfragment 1. Williams DL Jr, et al. **Biochemistry** 1984 Aug 28;23(18):4150–5

Myosin and myosin phosphorylation in pheochromocytoma (PC12) cells. Englert DF, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):77–82

Pseudophosphorylation of the smooth muscle 20 000 dalton myosin light chain. An artifact due to protein modification. Haeberle JR, et al. **Biochim Biophys Acta** 1984 Oct 9; 790(1):78–86

Characterization of the actin-binding site on the alkali light chain of myosin. Henry GD, et al. **Biochim Biophys Acta** 1985 Aug 23;830(3):233–43

Reactivities of thiols in myosin rod: effect of magnesium and ionic strength. Pliszka B, et al. **Biochim Biophys Acta** 1985 Aug 23;830(3):304–12

Nucleotide-induced changes in the heat capacity of beef cardiac myosin. Johnson RE, et al. **Biophys Chem** 1984 Aug;20(1–2):23–7

Binding of myosin subfragment 1 to glycerinated insect flight muscle in the rigor state. Goody RS, et al. **Biophys J** 1985 Feb;47(2 Pt 1):151–69

Effect of taxol on the interaction of tubulin with myosin filaments. Fujii T, et al. **Can J Biochem Cell Biol** 1984 Sep; 62(9):878–84

Modulation of myosin isoenzyme populations and activities of monoamine oxidase and phenylethanolamine-N-methyltransferase in pressure loaded and normal rat heart by swimming exercise and stress arising from electrostimulation in pairs. Rupp H, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1209–18

Ca2+-dependent contraction of human lung fibroblasts treated with Triton X-100: a role of Ca2+-calmodulin-dependent phosphorylation of myosin 20,000-dalton light chain. Masuda H, et al. **Cell Motil** 1984; 4(5):315–31

Transmural distribution of isomyosin in rabbit ventricle during maturation examined by immunofluorescence and staining for calcium-activated adenosine triphosphatase. Eisenberg BR, et al. **Circ Res** 1985 Apr;56(4):548–55

The economy of isometric force development, myosin isoenzyme pattern and myofibrillar ATPase activity in normal and hypothyroid rat myocardium. Holubarsch C, et al. **Circ Res** 1985 Jan;56(1):78–86

Myosin light chain phosphorylation and tension development in stretch-activated arterial smooth muscle. Ledvora RF, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):2063–8

Myoglobin levels and mATPase activity in pectoral muscles of spruce and ruffed grouse (Aves: Tetraoninae). Thomas VG. **Comp Biochem Physiol [A]** 1985;81(1):181–4

Change with age in murine corneal epithelial actin and myosin: immunofluorescent and ELISA analyses. Higbee RG, et al. **Curr Eye Res** 1984 Dec;3(12):1413–22

A myothermal analysis of the myosin crossbridge cycling rate during isometric tetanus in normal and hypothyroid rat hearts. Alpert NR, et al. **Eur Heart J** 1984 Dec;5 Suppl F:3–11

Cardiac alterations at the myofibrillar level: is a redistribution of the myosin isoenzyme pattern decisive for cardiac failure in haemodynamic overload? Jacob R, et al. **Eur Heart J** 1984 Dec;5 Suppl F:13–26

Correlation of myosin isoenzyme alterations with myocardial function in physiologic and pathologic hypertrophy. Malhotra A, et al. **Eur Heart J** 1984 Dec;5 Suppl F:61–7

Left ventricular isomyosins in normal and hypertrophied rat and human hearts. Schwartz K, et al. **Eur Heart J** 1984 Dec;5 Suppl F:77–83

Effect of the filamentous structure of myosin on the actomyosin ATPase activity. Bechet JJ, et al. **Eur J Biochem** 1985 Jan 2;146(1):117–23

Requirement of the 20-kDa light chain for the papain-resistant conformation of gizzard myosin. Kumon A, et al. **Eur J Biochem** 1984 Nov 2;144(3):629–35

Two chymotrypsin-susceptible sites of myosin rod from chicken gizzard. Tashiro Y, et al. **Eur J Biochem** 1985 May 2;148(3):521–8

Perhexiline directly inhibits arterial myosin phosphorylation and stimulates cardiac myofibrillar ATPase activity. Silver PJ. **Eur J Pharmacol** 1984 Oct 30;106(1):217–8

Effects of felodipine, nitrendipine and W-7 on arterial myosin phosphorylation, actin-myosin interactions and contraction. Silver PJ, et al. **Eur J Pharmacol** 1984 Jul 20;102(3–4):417–24

Changes in the organization of actin and myosin in non-muscle cells induced by N-ethylmaleimide. Karlsson R, et al. **Exp Cell Res** 1985 Mar;157(1):95–115

Distribution of isomyosin in cultured cardiac myocytes as determined by monoclonal antibodies and adenosine triphosphatase activity. Nag AC, et al. **Exp Cell Res** 1985 May;158(1):53–62

Centripetal myosin redistribution in thrombin-stimulated platelets. Relationship to platelet Factor 4 secretion. Painter RG, et al. **Exp Cell Res** 1984 Nov;155(1):198–212

Changes of myosin and its ATPase in 'neuronally' and 'mechanically' contralateral muscles after cross-reinnervation in normal and capsaicin-treated rats. Müntener M, et al. **Exp Neurol** 1984 Oct;86(1):134–46

The role of myosin phosphorylation in the contraction-relaxation cycle of smooth muscle. Ikebe M, et al. **Experientia** 1985 Aug 15;41(8):1006–10

Two-site phosphorylation of the phosphorylatable light chain (20-kDa light chain) of chicken gizzard myosin. Cole HA, et al. **FEBS Lett** 1985 Jan 28;180(2):165–9

Influence of smooth muscle myosin conformation on myosin light chain kinase binding and on phosphorylation. Cross RA, et al. **FEBS Lett** 1985 Sep 2;188(2):367–74

Localization of a new proteolytic site accessible in oxidized myosin rod. Nyitray L, et al. **FEBS Lett** 1985 Feb 25; 181(2):353–6

Influence of an actin-modulating protein from smooth muscle on actin-myosin interaction. Strzelecka-Golaszewska H, et al. **FEBS Lett** 1984 Nov 19;177(2):209–16

Characteristics of ATPase activity and the subunit composition of myosin in the conduction system of bovine heart. Tamura Y, et al. **FEBS Lett** 1984 Dec 10; 178(2):209–12

Differential binding of rabbit fast muscle myosin light chain isoenzymes to regulated actin. Trayer HR, et al. **FEBS Lett** 1985 Jan 28;180(2):170–3

Spatial relationship between SH1 and the actin binding site on myosin subfragment-1 surface. Yamamoto K, et al. **FEBS Lett** 1984 Oct 15;176(1):75–8

Role of myosin light chain kinase in muscle contraction. Perry SV, et al. **Fed Proc** 1984 Dec;43(15):3015–20

Actomyosin adenosine triphosphatase regulation by intramolecular myosin mechanisms. Myosin light chains functions and rod modification effects. Kofman EB, et al. **Gen Physiol Biophys** 1984 Jun;3(3):201–21

A comparative study of myosins and prekeratin in epithelial cells of methacarn-fixed tissues. Puchtler H, et al. **Histochemistry** 1985;82(5):403–9

Chemical crosslinking of myosin subfragment-1 to F-actin in the presence of nucleotide. Arata T. **J Biochem (Tokyo)** 1984 Aug;96(2):337–47

Photosensitized direct cross-linking of fluorescent analogs of ATP to the adenine recognition domain in myosin ATPase. Hiratsuka T. **J Biochem (Tokyo)** 1985 Jan; 97(1):71–8

Biochemical characteristics of cardiac myosin: the pH dependence of Ca-ATPase activity, and that of the absorption spectrum of 2,4,6-trinitrophenyl groups attached to myosin. Kameyama S, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):625–32

Phosphorylation of myosin light chain and the actin-activated ATPase activity of adrenal medullary myosin. Kanda K, et al. **J Biochem (Tokyo)** 1985 Mar; 97(3):961–4

Interaction between myosin and F-actin. Correlation with actin-binding sites on subfragment-1. Katoh T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1223–30

Proteolytic fragments of connectin cause aggregation of myosin filaments but not of actin filaments. Kimura S, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1947–50

Interactions of muscle beta-connectin with myosin, actin, and actomyosin at low ionic strengths. Kimura S, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):499–506

Trinitrophenylation of rabbit skeletal myosin by 2,4,6-trinitrobenzene sulfonate and treatment of trinitrophenyl myosin with dithiothreitol. Kodama S, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):831–6

Calcium binding and conformation of regulatory light chains of smooth muscle myosin of scallop. Morita F, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):553–61

Hybrid with rabbit skeletal DTNB-light chains of heavy meromyosin, myosin, and glycerinated fibers from Akazara scallop adductor. Ojima T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1109–15

Superprecipitation of actomyosin with p-chloromercuribenzoate-modified myosin reconstituted from rabbit skeletal muscle. Sagara J, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1027–31

Photocross-linking from SH1 of the myosin heavy chain to light chains through the dinitrophenyl group attached to SH1. Sekine T, et al. **J Biochem (Tokyo)** 1984 Aug; 96(2):571–3

Paratropomyosin: a new myofibrillar protein that modifies the actin-myosin interaction in postrigor skeletal muscle. I. Preparation and characterization. Takahashi K, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1043–51

Properties of porcine platelet myosin. I. Similarity between vertebrate smooth muscle and nonmuscle myosins in their binding properties with F-actin. Takeuchi K. **J Biochem (Tokyo)** 1985 Jan;97(1):295–305

Involvement of C-terminal 14 residues of alkali light chain in binding to the heavy chain of myosin. Ueno H, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1785–93

An efficient exchange method for alkali light chain in myosin subfragment. Ueno H, et al. **J Biochem (Tokyo)** 1984 Sep; 96(3):895–900

Kinetic properties of binding of myosin subfragment-1 with F-actin in the absence of nucleotide. Yasui M, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1673–80

A kinetic model for the molecular basis of the contractile activity of Acanthamoeba myosins IA and IB. Albanesi JP, et al. **J Biol Chem** 1985 Sep 15;260(20):11174–9

Localization of the active site and phosphorylation site of Acanthamoeba myosins IA and IB. Albanesi JP, et al. **J Biol Chem** 1984 Nov 25;259(22):14184–9

Kinetic rates of tryptic digestion of bovine cardiac myofibrils. An improved measurement of cross-bridge dissociation. Azarcon AV, et al. **J Biol Chem** 1985 May 25; 260(10):6047–53

Stretch-induced myosin light chain phosphorylation and stretch-release-induced tension development in arterial smooth muscle. Bárány K, et al. **J Biol Chem** 1985 Jun 10;260(11):7126–30

Modification of thiols of gizzard myosin alters ATPase activity, stability of myosin filaments, and the 6–10 S conformational transition. Chandra TS, et al. **J Biol Chem** 1985 Jan 10;260(1):202–7

Regulation of myosin isoenzyme composition in fetal and neonatal rat ventricle by endogenous thyroid hormones. Chizzonite RA, et al. **J Biol Chem** 1984 Oct 25; 259(20):12628–32

Adenosine and 5'-chloro-5'-deoxyadenosine inhibit the phosphorylation of phosphatidylinositol and myosin light chain in calf aorta smooth muscle. Doctrow SR, et al. **J Biol Chem** 1985 Mar 25;260(6):3469–76

Experimental evidence for the contractile activities of Acanthamoeba myosins IA and IB. Fujisaki H, et al. **J Biol Chem** 1985 Sep 15;260(20):11183–9

Steady state kinetics at high enzyme concentration. The myosin MgATPase. Hackney DD, et al. **J Biol Chem** 1985 May 10;260(9):5505–10

Dephosphorylation of myosin by the catalytic subunit of a type-2 phosphatase produces relaxation of chemically skinned uterine smooth muscle. Haeberle JR, et al. **J Biol Chem** 1985 Aug 25;260(18):9965–8

Myosin heavy chain in avian muscular dystrophy corresponds to the neonatal isozyme. Huszar G, et al. **J Biol Chem** 1985 Aug 25;260(18):9957–60

Phosphorylation of smooth muscle myosin at two distinct sites by myosin light chain kinase. Ikebe M, et al. **J Biol Chem** 1985 Aug 25;260(18):10027–31

Conformation-dependent proteolysis of smooth-muscle myosin. Ikebe M, et al. **J Biol Chem** 1984 Oct 10; 259(19):11639–42

Filament formation and actin-activated ATPase activity are abolished by proteolytic removal of a small peptide from the tip of the tail of the heavy chain of Acanthamoeba myosin II. Kuznicki J, et al. **J Biol Chem** 1985 Feb 10; 260(3):1967–72

Photochemical probes of the active site of myosin. Irradiation of trapped 3'-O-(4-benzoyl)benzoyladenosine 5'-triphosphate labels the 50-kilodalton heavy chain tryptic peptide. Mahmood R, et al. **J Biol Chem** 1984 Nov 10; 259(21):12956–9

Proteolytic susceptibility of both isolated and bound light chains from various myosins to myopathic hamster protease. Margossian SS, et al. **J Biol Chem** 1984 Nov 10; 259(21):13534–40

Proteolytic substructure of brain myosin. Matsumura S, et al. **J Biol Chem** 1985 Feb 10;260(3):1959–66

Inhibition of smooth muscle actin-activated myosin Mg2+-ATPase activity by caldesmon. Ngai PK, et al. **J Biol Chem** 1984 Nov 25;259(22):13656–9

Thermodynamic model of the kinetics of the actin-activated ATPase activity of Acanthamoeba myosin I. Pantaloni D. **J Biol Chem** 1985 Sep 15;260(20):11180–2

The effect of myosin phosphorylation on the contractile properties of skinned rabbit skeletal muscle fibers. Persechini A, et al. **J Biol Chem** 1985 Jul 5;260(13):7951–4

Shortening velocity in single fibers from adult rabbit soleus muscles is correlated with myosin heavy chain composition. Reiser PJ, et al. **J Biol Chem** 1985 Aug 5;260(16):9077–80

Reactions of 1-N6-ethenoadenosine nucleotides with myosin subfragment 1 and acto-subfragment 1 of skeletal and smooth muscle. Rosenfeld SS, et al. **J Biol Chem** 1984 Oct 10;259(19):11920–9

Localization of a light-chain binding site on smooth muscle myosin revealed by light-chain overlay of sodium dodecyl sulfate-polyacrylamide electrophoretic gels. Sellers JR, et al. **J Biol Chem** 1984 Nov 25;259(22):14203–7

Conformational studies of myosin phosphorylated by protein kinase C. Umekawa H, et al. **J Biol Chem** 1985 Aug 15; 260(17):9833–7

Random phosphorylation of the two heads of thymus myosin and the independent stimulation of their actin-activated ATPases. Wagner PD, et al. **J Biol Chem** 1985 Jul 5; 260(13):8084–9

Decoration with myosin subfragment-1 disrupts contacts between microfilaments and the cell membrane in isolated Dictyostelium cortices. Bennett H, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1434–40

Ligand-induced changes in the location of actin, myosin, 95K (alpha-actinin), and 120K protein in amebae of Dictyostelium discoideum. Carboni JM, et al. **J Cell Biol** 1985 Jun;100(6):1884–93

Myosin and paramyosin are organized about a newly identified core structure. Epstein HF, et al. **J Cell Biol** 1985 Mar;100(3):904–15

Contractile proteins in pericytes. II. Immunocytochemical evidence for the presence of two isomyosins in graded concentrations. Joyce NC, et al. **J Cell Biol** 1985 May; 100(5):1387–95

ATP-dependent movement of myosin in vitro: characterization of a quantitative assay. Sheetz MP, et al. **J Cell Biol** 1984 Nov;99(5):1867–71

Hereditary pituitary dwarfism in mice affects skeletal and cardiac myosin isozyme transitions differently. Whalen RG, et al. **J Cell Biol** 1985 Aug;101(2):603–9

Regulatory light chains and scallop myosin. Form of light chain removal or reuptake is dependent on the presence of divalent cations. Chantler PD. **J Mol Biol** 1985 Feb 20;181(4):557–60

Light chain dependent effects of actin binding on the S-1/S-2 swivel in myosin. Miller L, et al. **J Mol Biol** 1985 Mar 20;182(2):271–9

Molecular movements promoted by metal nucleotides in the heavy-chain regions of myosin heads from skeletal muscle. Mornet D, et al. **J Mol Biol** 1985 Jun 5;183(3):479–89

Predominant attached state of myosin cross-bridges during contraction and relaxation at low ionic strength. Nagano H, et al. **J Mol Biol** 1984 Aug 25;177(4):769–85

Removal of tropomyosin overlap and the co-operative response to increasing calcium concentrations of the acto-subfragment-1 ATPase. Walsh TP, et al. **J Mol Biol** 1985 Mar 20;182(2):265–9

Multiple cardiac contractile protein abnormalities in myopathic Syrian hamsters (BIO 53 : 58). Malhotra A, et al. **J Mol Cell Cardiol** 1985 Feb;17(2):95–107

Kinetics of acto-S1 interaction as a guide to a model for the crossbridge cycle. Geeves MA. et al. **J Muscle Res Cell Motil** 1984 Aug;5(4):351–61

The effect of MgATP on forming and breaking actin-myosin linkages in contracted skinned insect flight muscle fibres. Kuhn HJ, et al. **J Muscle Res Cell Motil** 1985 Feb;6(1):5–27

Iodination of myofibrils and myosin. Turner RC, et al. **J Muscle Res Cell Motil** 1984 Dec;5(6):665–76

Angle of active site of myosin heads in contracting muscle during sudden length changes. Yanagida T. **J Muscle Res Cell Motil** 1985 Feb;6(1):43–52

Development of fiber types in human fetal muscle. An immunocytochemical study. Thornell LE, et al. **J Neurol Sci** 1984 Oct;66(1):107–15

Effect of glucocorticoids on the turnover rate of actin and myosin heavy and light chains on different types of skeletal muscle fibres. Seene T, et al. **J Steroid Biochem** 1985 Jun; 22(6):767–71

Effects of nitroprusside, glyceryl trinitrate, and 8-bromo cyclic GMP on phosphorylase a formation and myosin light chain phosphorylation in rat aorta. Johnson RM, et al. **Mol Pharmacol** 1985 Mar;27(3):333–42

Weak and strong crossbridges [news] Irving M. **Nature** 1985 Jul 25–31;316(6026):292–3

Reversible association of myosin with the platelet cytoskeleton. Nachmias VT, et al. **Nature** 1985 Jan 3–9; 313(5997):70–2

Movement of myosin-coated beads on oriented filaments reconstituted from purified actin. Spudich JA, et al. **Nature** 1985 Jun 13–19;315(6020):584–6

Sliding distance of actin filament induced by a myosin crossbridge during one ATP hydrolysis cycle. Yanagida T, et al. **Nature** 1985 Jul 25–31;316(6026):366–9

Reversible cyclic AMP-dependent change in distribution of myosin thick filaments in Dictyostelium. Yumura S, et al. **Nature** 1985 Mar 14–20;314(6007):194–6

Glomus tumor of the cheek: an immunohistochemical demonstration of actin and myosin. Saku T, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jul;60(1):65–71

Regulation of isometric force and isotonic shortening velocity by phosphorylation of the 20,000 dalton myosin light chain of rat uterine smooth muscle. Haeberle JR, et al. **Pflugers Arch** 1985 Feb;403(2):215–9

Myosin light chain phosphorylation and isometric twitch potentiation in intact human muscle. Houston ME, et al. **Pflugers Arch** 1985 Apr;403(4):348–52

Ca2+ can affect Vmax without changes in myosin light chain phosphorylation in smooth muscle. Siegman MJ, et al. **Pflugers Arch** 1984 Aug;401(4):385–90

ADP dissociation from actomyosin subfragment 1 is sufficiently slow to limit the unloaded shortening velocity in vertebrate muscle. Siemankowski RF, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):658–62

Movement of scallop myosin on Nitella actin filaments: regulation by calcium. Vale RD, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6775–8

Phosphatase-mediated modulation of actin-myosin interaction in bovine aortic actomyosin and skinned porcine carotid artery. Bialojan C, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):36–45

Continued expression of neonatal myosin heavy chain in adult dystrophic skeletal muscle. Bandman E. **Science** 1985 Feb 15;227(4688):780–2

Differential effects of trifluoperazine on arachidonate liberation, secretion and myosin phosphorylation in intact platelets. Holmsen H, et al. **Thromb Res** 1984 Dec 1; 36(5):419–28

Ligand effects on actin activated ATPase of cardiac and skeletal muscle myosin: the functional role of the light chain isozymes of subfragment-1. Balish MS, et al. **Trans Assoc Am Physicians** 1984;97:95–103

Heterogeneous distribution of actin, myosin, fibronectin and basement membrane antigens in primary and metastatic human breast cancer. Natali PG, et al. **Virchows Arch [A]** 1984;405(1):69–83

[Several peculiarities of the purine-base fixation of the substrate in the active sites of myosin Ca2+-ATPase] Grishin MN, et al. **Biokhimiia** 1984 Nov;49(11):1785–91 (Eng. Abstr.) **(Rus)**

[Ca2+-dependent phosphorylation and ATPase activity of cardiac muscle myosin in experimental myocardial infarction] Printsev MD, et al. **Vopr Med Khim** 1984; 30(6):68–71 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effect of skeletal muscle myosin light chain 2 on the Ca2+-sensitive interaction of myosin and heavy meromyosin with regulated actin. Wagner PD. **Biochemistry** 1984 Dec 4;23(25):5950–6

The active cross-bridge motions of isolated thick filaments from myosin-regulated muscles detected by quasi-elastic light scattering. Fan SF, et al. **Biophys J** 1985 Jun; 47(6):809–21

Mechanics of cytogels I: oscillations in physarum. Oster GF, et al. **Cell Motil** 1984;4(6):469–503

Regulation of cardiac contractile proteins. Correlations between physiology and biochemistry. Winegrad S. **Circ Res** 1984 Nov;55(5):565–74 (87 ref.)

The role of actin and myosin in ascidian sperm mitochondrial translocation. Lambert CC, et al. **Dev Biol** 1984 Dec; 106(2):307–14

Velocity and myosin phosphorylation transients in arterial smooth muscle: effects of agonist diffusion. Kamm KE, et al. **Experientia** 1985 Aug 15;41(8):1010–7

Energetics and regulation of crossbridge states in mammalian smooth muscle. Siegman MJ, et al. **Experientia** 1985 Aug 15;41(8):1020–5

The effect of phallotoxins on the structure of F-actin in myosin-free ghost muscle fibres of rabbit. Borovikov YuS, et al. **FEBS Lett** 1984 Oct 29;176(2):441–3

Paratropomyosin: a new myofibrillar protein that modifies the actin-myosin interaction in postrigor skeletal muscle. II. Distinct function from tropomyosin. Nakamura F, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1053–9

Monomeric Acanthamoeba myosins I support movement in vitro. Albanesi JP, et al. **J Biol Chem** 1985 Jul 25; 260(15):8649–52

Skeletal muscle myosin subfragment-1 induces bundle formation by actin filaments. Ando T, et al. **J Biol Chem** 1985 Feb 25;260(4):2321–7

Site-specific inhibition of myosin-mediated motility in vitro by monoclonal antibodies. Flicker PF, et al. **J Cell Biol** 1985 Apr;100(4):1024–30

Role of myosin in terminal web contraction in isolated intestinal epithelial brush borders. Keller TC 3d, et al. **J Cell Biol** 1985 May;100(5):1647–55

Myosin isoenzymes as molecular markers for muscle physiology. Whalen RG. **J Exp Biol** 1985 Mar;115:43–53 (44 ref.)

Myosin filaments in cytoplasm [news] Pollard TD. **Nature** 1985 Mar 28–Apr 3;314(6009):321

Molecular motions in myosin head regions of dog cardiac muscle fibers. Belágyi J, et al. **Physiol Chem Phys Med NMR** 1984;16(5):449–56

[Regulation of contractile proteins in platelets--phosphorylation-myosin light chain theory] Zhou XB. **Sheng Li Ko Hsueh Chin Chan** 1985 Apr; 16(2):161–3 **(Chi)**

[Regulatory chains of skeletal muscle myosin] Stepkowski D, et al. **Postepy Biochem** 1983;29(3–4):355–75 (111 ref.) **(Pol)**

MYOSIN ATPASE see **ADENOSINE TRIPHOSPHATASE**

MYOSITIS

Inflammatory myopathies: Part 2. Mastaglia FL, et al. **Ann Neurol** 1985 Apr;17(4):317–23 (0 ref.)

CHEMICALLY INDUCED

Penicillamine-induced polymyositis. Leden I, et al. **Scand J Rheumatol** 1985;14(1):90–3

[Polymyositis induced by D-penicillamine] Renier JC, et al. **Therapie** 1984 Nov–Dec;39(6):697–703 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

The frequency of malignant neoplasms in patients with polymyositis-dermatomyositis. A controlled study. Manchul LA, et al. **Arch Intern Med** 1985 Oct; 145(10):1835–9

Inclusion body myositis and Sjogren's syndrome. Gutmann L, et al. **Arch Neurol** 1985 Oct;42(10):1021–2

Cricopharyngeal obstruction in inflammatory myopathy (polymyositis/dermatomyositis). Report of three cases and review of the literature. Kagen LJ, et al **Arthritis Rheum** 1985 Jun;28(6):630–6

The development of polymyositis in a patient with toxoplasmosis: clinical and pathologic findings and review of literature. Adams EM, et al. **Clin Exp Rheumatol** 1984 Jul–Sep;2(3):205–8

Fatal pneumococcal epiglottitis in lupus overlap syndrome. Isenberg DA, et al. **Clin Rheumatol** 1984 Dec;3(4):529–32

Polymyositis associated with several immunological disorders. Vilppula AH, et al. **Clin Rheumatol** 1984 Dec; 3(4):533–9

Acne fulminans and myositis. Leiferman KM, et al. **Cutis** 1984 Sep;34(3):249–51

Polymyositis presenting with panniculitis. Raimer SS, et al. **J Am Acad Dermatol** 1985 Aug;13(2 Pt 2):366–9

Familial myopathies with restricted distribution, facial weakness and inflammatory changes in affected muscles. Bacq M, et al. **J Neurol** 1985;231(6):295–300

Polymyositis presenting with respiratory failure. Blumbergs PC, et al. **J Neurol Sci** 1984 Aug;65(2):221–9

Chronic active hepatitis associated with polymyositis. Association with precipitating mitochondrial M-B antibody. Bradley JD, et al. **J Rheumatol** 1985 Apr; 12(2):368–71

Idiopathic eosinophilic myositis with preexisting fibromyalgia. Yonker RA, et al. **J Rheumatol** 1985 Feb; 12(1):165–7

Gynecologic carcinoma associated with dermatomyositis-polymyositis. Verducci MA, et al. **Obstet Gynecol** 1984 Nov;64(5):695–8

Pyomyositis presenting as acute abdominal pain. Beck W, et al. **Pediatr Infect Dis** 1984 Sep–Oct;3(5):445–8

Benign acute childhood myositis associated with parainfluenza type 2 infection. Zvolanek JR. **Pediatr Infect Dis** 1984 Nov–Dec;3(6):594–5

Pulmonary disease in polymyositis/dermatomyositis. Dickey BF, et al. **Semin Arthritis Rheum** 1984 Aug;14(1):60–76 (161 ref.)

[Localized myositis with eosinophilia] Serratrice G, et al. **Presse Med** 1985 Mar 2;14(9):533–5 (Eng. Abstr.) **(Fre)**

[Association of polymyositis and autoimmune thyroiditis with hyperthyroidism (letter)] Stevanato F, et al. **Presse Med** 1985 Feb 2;14(4):231 **(Fre)**

[Appearance of a polymyositis late in the development of hepatitis B] Reginster JY, et al. **Rev Med Liege** 1984 Nov 1;39(21):749–56 **(Fre)**

[Clinical study on dermatomyositis-polymyositis complicated with herpes zoster] Nagaoka S, et al. **Kansenshogaku Zasshi** 1984 Oct;58(10):1033–7 (Eng. Abstr.) **(Jpn)**

[Association of Hashimoto's thyroiditis and adult-type polymyositis (letter)] Faure Nogueras E. **Med Clin (Barc)** 1985 Feb 23;84(7):291 **(Spa)**

[Autoimmune atrophic thyroiditis associated with polymyositis and pulmonary fibrosis (letter)] Fernández-Monrás F, et al. **Med Clin (Barc)** 1985 Apr 20; 84(15):630 **(Spa)**

[Polymyositis associated with carcinoma of the vulva] Almirante Gragera B, et al. **Rev Clin Esp** 1984 Oct 15; 175(1):43–4 **(Spa)**

[Acute polymyositis and acute renal failure] Martín García J, et al. **Rev Clin Esp** 1985 May;176(8):420–2 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Pyomyositis. Increasing recognition in temperate climates. Gibson RK, et al. **Am J Med** 1984 Oct;77(4):768–72

Tropical pyomyositis: delineation by gray scale ultrasound. Weinberg WG, et al. **Am J Trop Med Hyg** 1984 Sep; 33(5):930–2

Prognostic factors in polymyositis/dermatomyositis. A computer-assisted analysis of ninety-two cases. Benbassat J, et al. **Arthritis Rheum** 1985 Mar;28(3):249–55

Clinical and serologic features of patients with polymyositis or dermatomyositis. Holden DJ, et al. **Can Med Assoc J** 1985 Mar 15;132(6):649–53

Clinical profiles of patients with antibodies to nuclear ribonucleoprotein. Calderon J, et al. **Clin Rheumatol** 1984 Dec;3(4):483–92

Muscle weakness. Neuropathic or myopathic? Kagen LJ. **Hosp Pract [Off]** 1985 Sep 15;20(9):82E, 82F, 82G passim

Tenomyositis of the masseter muscle: report of cases. Friedman MH. **J Am Dent Assoc** 1985 Feb;110(2):201–2

Polymyositis. Vishwanathan N, et al. **J Indian Med Assoc** 1984 Nov;82(11):405–7

Bacterial myositis and pyomyositis. Duvie SO. **J R Coll Surg Edinb** 1984 Jul;29(4):237–41

Trochleitis with superior oblique myositis. Tychsen L, et al. **Ophthalmology** 1984 Sep;91(9):1075–9

[Pseudomalignant, hyperacute circumscribed myositis. Contribution and limitations of echography. Review of the literature. Apropos of a case] Giron J, et al. **J Radiol** 1985 Feb;66(2):151–6 (Eng. Abstr.) **(Fre)**

[Localized eosinophilic myositis (letter)] Massonnat R, et al. **Presse Med** 1985 Jul 6;14(27):1476–7 **(Fre)**

[Myalgic-adynamic syndrome in infection] Cabell B, et al. **Internist (Berlin)** 1984 Jun;25(6):383–6 **(Ger)**

[A case of actinomycosis of the abdominal wall] Lazarkiewicz B, et al. **Wiad Lek** 1985 Mar 1;38(5):367–90 (Eng. Abstr.) **(Pol)**

[Polymyositis and dermatomyositis in the metropolitan hospital complex of the Panama Department of Social Security. 1973. Clinical review and effects of treatment] Achurra Castillo AF, et al **Rev Med Panama** 1985 Jan; 10(1):1–14 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Disseminated intravascular coagulation induced by generalized cytomegalic inclusion disease during steroid therapy for polymyositis. Shimizu K, et al.

Acta Pathol Jpn 1985 May;35(3):723-30

Prognosis and treatment of polymyositis with particular reference to steroid resistant patients. Yoshioka M, et al. **Arch Dis Child** 1985 Mar;60(3):236-44

Combination immunosuppressive treatment of steroid-resistant dermatomyositis/polymyositis. Wallace DJ, et al. **Arthritis Rheum** 1985 May;28(5):590-2

High single-dose alternate-day corticosteroid regimens in treatment of polymyositis. Uchino M, et al. **J Neurol** 1985; 232(3):175-8

ENZYMOLOGY

MM subisoenzymes of creatine kinase as an index of disease activity in polymyositis. Annesley TM, et al. **Clin Chem** 1985 Mar;31(3):402-6

Serum creatine kinase MB in polymyositis [letter] Hill RP, et al. **Clin Chem** 1985 Feb;31(2):350

ETIOLOGY

Inflammatory myopathies: Part 1. Mastaglia FL, et al. **Ann Neurol** 1985 Mar;17(3):215-27

Clostridial myositis of the psoas complicating percutaneous nephrostomy. Wells AD, et al. **Br J Surg** 1985 Jul;72(7):582

Aetiology and pathogenesis of inflammatory muscle disease. Cambridge G. **Clin Exp Rheumatol** 1984 Jul-Sep;2(3):263-9 (80 ref.)

Scleredema adultorum associated with localized myositis. Rubinstein A, et al. **Isr J Med Sci** 1984 Dec;20(12):1186-8

Myositis and rhabdomyolysis due to Staphylococcus aureus septicemia. Lannigan R, et al. **J Infect Dis** 1984 Nov; 150(5):784

Selenium responsive myositis during prolonged home total parenteral nutrition in cystic fibrosis. Watson RD, et al. **JPEN** 1985 Jan-Feb;9(1):58-60

Myositis induced by influenza A in mice. Inokuchi T, et al. **Kurume Med J** 1984;31(3):209-16

Transient childhood myositis [letter] Lai PC, et al. **Med J Aust** 1985 Sep 2;143(5):222

Severe influenza myositis [letter] Mass A. **Med J Aust** 1985 Mar 4;142(5):330-1

[Myositis disclosing systemic scleroderma] Leys D, et al. **Rev Neurol (Paris)** 1984;140(11):670-2 (Eng. Abstr.) **(Fre)**

[Pyomyositis: apropos of 2 new cases (letter)] Albaladejo Méndez J, et al. **Med Clin (Barc)** 1984 Jun 23;83(4):179 **(Spa)**

[Polymyositis and pulmonary carcinoma (letter)] García Alegría JJ, et al. **Med Clin (Barc)** 1984 Oct 27;83(13):561-2 **(Spa)**

IMMUNOLOGY

Intranuclear location of the myositis-specific Jo-1 antigen: hopping histidyl-tRNA synthetase? [letter] Dang CV. **Arthritis Rheum** 1985 Jul;28(7):839-40

Multiplicity of antibodies in myositis sera. Reichlin M, et al. **Arthritis Rheum** 1984 Oct;27(10):1150-6

Immunofluorescence and fibromyalgia [letter] Wallace DJ. **Arthritis Rheum** 1985 Jul;28(7):836-7

Antibody to Jo-1 in polymyositis/dermatomyositis: association with interstitial pulmonary disease. Hochberg MC, et al. **J Rheumatol** 1984 Oct;11(5):663-5

Seroreactivity in myositis patients. Reichlin M. **J Rheumatol** 1984 Oct;11(5):591-2

Clinical relevance of PM-1 antibody and physiochemical characterization of PM-1 antigen. Treadwell EL, et al. **J Rheumatol** 1984 Oct;11(5):658-62

Increased expression of HLA ABC class I antigens by muscle fibres in Duchenne muscular dystrophy, inflammatory myopathy, and other neuromuscular disorders. Appleyard ST, et al. **Lancet** 1985 Feb 16;1(8425):361-3

HLA antigen expression in myositis [letter] Isenberg DA, et al. **Lancet** 1985 Mar 23;1(8430):703

Polymyositis associated with monoclonal gammopathy. Kiprov DD, et al. **Lancet** 1984 Nov 24;2(8413):1183-6

MICROBIOLOGY

Pyomyositis caused by Yersinia enterocolitica. Brennessel DJ, et al. **J Clin Microbiol** 1984 Aug;20(2):293-4

PARASITOLOGY

Microsporidiosis myositis in a patient with the acquired immunodeficiency syndrome. Ledford DK, et al. **Ann Intern Med** 1985 May;102(5):628-30

PATHOLOGY

Streptococcal myositis. Adams EM, et al. **Arch Intern Med** 1985 Jun;145(6):1020-3

Polymyositic heart disease. Rechavia E, et al. **Chest** 1985 Aug;88(2):309-11

Dermatomyositis and polymyositis: clinical aspects. Kagen LJ. **Clin Exp Rheumatol** 1984 Jul-Sep;2(3):271-7 (49 ref.)

Adult-onset mixed myopathy with nemaline rods, minicores, and central cores: a muscle disorder mimicking polymyositis. Seitz RJ, et al. **J Neurol** 1984;231(3):103-8

Inclusion body myositis: a case with associated collagen vascular disease responding to treatment. Lane RJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):270-3

Morphometric approaches to perifascicular atrophy in muscle biopsy: do they help to diagnose polymyositis? Paljärvi L, et al. **Neuropathol Appl Neurobiol** 1984 Sep-Oct; 10(5):333-41

Recent advances in the morphology of myositis. Goebel HH, et al. **Pathol Res Pract** 1985 Jul;180(1):1-9 (73 ref.)

Nontraumatic metastatic clostridial myonecrosis in a patient with preleukemia. Vaska K, et al. **SD J Med** 1985 Jun; 38(6):25-8

Polymyositis at the University Hospital of the West Indies. Morgan OS, et al. **West Indian Med J** 1984 Sep; 33(3):164-70

[Muscle biopsy in polymyositis; report of 20 cases] Guo YP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug;6(4):261-3 (Eng. Abstr.) **(Chi)**

[Granulomatous and eosinophilic myositis due to Onchocerca volvulus] Neumann H, et al. **Pathologe** 1985 Mar;6(2):101-7 **(Ger)**

[Pyomyositis] Svistoniuk IU, et al. **Klin Khir** 1985 Jan; (1):67-8 **(Rus)**

PHYSIOPATHOLOGY

ECG abnormalities in polymyositis. Stern R, et al. **Arch Intern Med** 1984 Nov;144(11):2185-9

Polymyositis/dermatomyositis: clinical features and outcome in 22 patients. Baron M, et al. **J Rheumatol** 1985 Apr; 12(2):283-6

Measurements of maximum respiratory pressures in polymyositis and dermatomyositis. Martin L, et al. **J Rheumatol** 1985 Feb;12(1):104-7

PREVENTION & CONTROL

[Naproxen in acute musculoskeletal injuries. A double-blind placebo controlled study] Bodd E, et al. **Tidsskr Nor Laegeforen** 1985 Apr 20;105(11):744-5 (Eng. Abstr.) **(Nor)**

RADIOGRAPHY

[Acute orbital myositis--a case of inflammatory orbital pseudotumor characterized by enlargement of localized extraocular muscles] Honda H, et al. **Rinsho Shinkeigaku** 1985 May;25(5):597-600 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[67Ga imaging of gluteal muscle inflammation secondary to pyogenic sacroiliitis (PSI)] Ueno K, et al. **Rinsho Hoshasen** 1985 Feb;30(2):319-22 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Total body irradiation and the course of polymyositis. Morgan SH, et al. **Arthritis Rheum** 1985 Jul;28(7):831-5

Intractable polymyositis: prolonged remission induced by total body irradiation. Morgan SH, et al. **J R Soc Med** 1985 Jun;78(6):496-7

SURGERY

Focal myositis of the rectus abdominal muscles. Hansen LB, et al. **Acta Chir Scand** 1985;151(1):77-80

THERAPY

Paraproteinemia associated with demyelinating polyneuropathy or myositis: treatment with plasmapheresis and immunosuppressive drugs. Kiprov DD, et al. **Artif Organs** 1985 Feb;9(1):47-52

Echovirus encephalitis/myositis in X-linked agammaglobulinemia [letter] Mease PJ, et al. **N Engl J Med** 1985 Sep 19;313(12):758

VETERINARY

Myositis and death in bobwhites, Colinus virginianus (L.), due to hemorrhagic cysts of a haemosporozoan of undetermined taxonomic status. Gardiner CH, et al. **J Wildl Dis** 1984 Oct;20(4):308-18

Apparent iatrogenic clostridial myositis in cattle. Harwood DG. **Vet Rec** 1984 Oct 20;115(16):412

Polymyositis-polyradiculitis due to toxoplasmosis in the dog: serology and tissue biopsy as diagnostic aids. Suter MM, et al. **Zentralbl Veterinarmed [A]** 1984 Dec;31(10):792-8

MYOSITIS OSSIFICANS

Anaesthesia in myositis ossificans progressiva. A case report and clinical review. Shipton EA, et al. **S Afr Med J** 1985 Jan 5;67(1):26-8

DIAGNOSIS

Fibrodysplasia ossificans progressiva presenting as fibrous scalp nodules. McFarland GS, et al. **Cleve Clin Q** 1984 Fall;51(3):549-52

[Fibrodysplasia ossificans progressiva] Blumensohn R, et al. **Harefuah** 1984 Aug;107(3-4):73-5 (Eng. Abstr.) **(Heb)**

DRUG THERAPY

[Method of treating progressive myositis ossificans] Krisiuk AP, et al. **Ortop Travmatol Protez** 1984 Sep;(9):47-8 **(Rus)**

ETIOLOGY

Myositis ossificans of the thigh following manipulation of the knee. A case report. Ivey M. **Clin Orthop** 1985 Sep; (198):102-5

Resolution of myositis ossificans in a hemophiliac. Coblentz CL, et al. **J Can Assoc Radiol** 1985 Jun;36(2):161-2

Myositis ossificans of the upper extremity: a long-term follow-up. Carlson WO, et al. **J Pediatr Orthop** 1984 Nov; 4(6):693-6

[Post-traumatic myositis ossificans] Dziak A. **Pol Tyg Lek** 1985 May 13;40(19):555-7 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

[Progressive myositis ossificans. Report of a case and results of treatment with disodium etidronate] Sánchez E, et al. **An Esp Pediatr** 1984 Oct 31;21(6):597-601 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Myositis ossificans articulating with the pelvis. A case report. Nielsen BF. **Acta Orthop Scand** 1985 Feb;56(1):86

Stone man: fibrodysplasia ossificans progressiva. Taylor JS. **Ala Med** 1984 Oct;54(4):24, 26-7

[Fibrodysplasia ossificans progressiva] Olmedo Garzón FJ, et al. **Med Clin (Barc)** 1984 Sep 22;83(8):336-8 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Myositis ossificans. DeLuca SA. **Am Fam Physician** 1985 Sep; 32(3):127-8

CT features of reactive periostitis in the humerus: a lesion resembling myositis ossificans. Donoghue V, et al. **J Comput Assist Tomogr** 1985 Mar-Apr;9(2):401-3

Fibrodysplasia ossificans progressiva presenting acutely as a submandibular swelling. Jonathan DA, et al. **J Laryngol Otol** 1985 Jul;99(7):721-4

Traumatic myositis ossificans. Johansson B. **Oral Surg Oral Med Oral Pathol** 1984 Dec;58(6):742

Fibrodysplasia ossificans progressiva: current concepts and the role of CT in acute changes. Lindhout D, et al. **Pediatr Radiol** 1985;15(3):211-3

Case report 314. Diagnosis: juvenile dermatomyositis with changes of the hallux typical of fibrodysplasia (myositis) ossificans progressiva. Young JW, et al. **Skeletal Radiol** 1985;13(4):318-21

RADIONUCLIDE IMAGING

Myositis ossificans with Ga-67 citrate positivity. Moreno AJ, et al. **Clin Nucl Med** 1985 Jan;10(1):40-1

Imaging in patients with heterotopic bone formation [letter] Drane WE. **J Nucl Med** 1985 Aug;26(8):962-3

Heterotopic bone formation (myositis ossificans) and lower-extremity swelling mimicking deep-venous disease. Orzel JA, et al. **J Nucl Med** 1984 Oct;25(10):1105-7

[A case of myositis ossificans with abnormal uptake of 99mTc-MDP and 67Ga-citrate] Okimura T, et al. **Rinsho Hoshasen** 1985 Jan;30(1):157-9 (Eng. Abstr.) **(Jpn)**

SURGERY

Pseudo-malignant osseous tumour of soft tissue. Bulstrode C, et al. **J Hand Surg [Br]** 1984 Oct;9(3):345-6

VETERINARY

Progressive ossifying myositis in a cat. Waldron D, et al. **J Am Vet Med Assoc** 1985 Jul 1;187(1):64-5

Fibrodysplasia ossificans in three cats. Warren HB, et al. **Vet Pathol** 1984 Sep;21(5):495-9

MYOTONIA

CHEMICALLY INDUCED

Myotonia induced by low chloride solution: intracellular studies by Cl liquid ion exchanger microelectrode. Kurihara T, et al. **Folia Psychiatr Neurol Jpn** 1984;38(4):481-7

DIAGNOSIS

[The electrocardiogram in progressive muscular dystrophy and myotonic diseases. A study of 77 patients] Galvão PB, et al. **Arq Bras Cardiol** 1984 Apr;42(4):273-9 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Efficacy of phenytoin, procainamide, and tocainide in murine genetic myotonia. Aichele R, et al. **Exp Neurol** 1985 Feb; 87(2):377-81

Lithium-induced improvement of myotonia: relevance of prostaglandin E1 blockade by lithium [letter] Backon J. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):606-7

ETIOLOGY

Reversible nutritional myopathy with myotonia in the protein-deficient rat given methionine. Cummins AG, et al. **Aust J Exp Biol Med Sci** 1985 Apr;63 (Pt 2):127-37

METABOLISM

Reduced adrenal androgens in patients with myotonic dystrophy. Carter JN, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):611-4

Erythrocyte calcium transport in myotonic and facioscapulohumeral muscular dystrophy. Mollman JE, et al. **Neurology** 1984 Nov;34(11):1514-6

PHYSIOPATHOLOGY

Membrane changes in cells from myotonia patients. Rüdel R, et al. **Physiol Rev** 1985 Apr;65(2):310-56 (332 ref.)

[Isaacs' syndrome (neuromyotonia or syndrome of continuous muscle fiber activity)--report of a case] Tang XF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Apr; 17(2):105-7 (Eng. Abstr.) **(Chi)**

VETERINARY

Myotonic dystrophy-like disease in a dog. Simpson ST, et al. **J Am Vet Med Assoc** 1985 Mar 1;186(5):495-8

MYOTONIA ATROPHICA

Extradural analgesia and dystrophia myotonia [letter] Harris MN. **Anaesthesia** 1984 Oct;39(10):1032-3

Atracurium in a child with myotonic dystrophy. Stirt JA, et al. **Anesth Analg** 1985 Mar;64(3):369-70

[Anesthesia in dystrophia myotonica using the capnogram] Punt-van Manen JA, et al. **Anaesthesist** 1984 Aug; 33(8):348-55 (Eng. Abstr.) **(Ger)**

[Dystrophia myotonica] Baleková N. **Cesk Neurol Neurochir** 1985 Jan;48(1):37-9 (Eng. Abstr.) **(Slo)**

BLOOD

Methylation of erythrocyte membrane phospholipid in patients with early-onset myotonic dystrophy. Eda I, et al. **Brain Dev** 1984;6(3):284-8

Abnormal regulation of venous alanine after glucose ingestion in myotonic dystrophy. Moxley RT 3d, et al. **Clin Sci** 1985 Feb;68(2):151-7

A study on erythrocyte membrane plasmalogen in myotonic dystrophy. Antoku Y, et al. **J Neurochem** 1985 Jun; 44(6):1667-71

COMPLICATIONS

Dantrolene sodium and dystrophia myotonica [letter] Dawson AD, et al. **Anaesthesia** 1985 Jun;40(6):596-7

Retinal changes in myotonic dystrophy: a clinicomorphological study. Sarks J, et al. **Aust N Z J Ophthalmol** 1985 Feb;13(1):19-36

Ventricular tachycardia and sudden death in myotonic dystrophy: clinical, electrophysiologic and pathologic features. Grigg LE, et al. **J Am Coll Cardiol** 1985 Jul; 6(1):254-6

Myotonic dystrophy and normal-pressure hydrocephalus [letter] Riggs JE, et al. **Neurology** 1985 Oct;35(10):1535

Anaesthetic hazards in undiagnosed myotonia dystrophica. A case report. Butt AD. **S Afr Med J** 1984 Oct 6; 66(14):538-40

Dysphagia and dystrophia myotonica. A case report. Pettengell KE, et al. **S Afr Med J** 1985 Jul 20;68(2):113-4

[A case of Steinert's disease associated with Barlow's disease] Berkman N, et al. **Bull Soc Ophtalmol Fr** 1984 Jan; 84(1):41-4 **(Fre)**

[Echocardiographic findings in dystrophia myotonica (Steinert's disease)] Sonaglioni G, et al. **G Ital Cardiol** 1984 Aug;14(8):551-6 (Eng. Abstr.) **(Ita)**

[An anesthetic experience with a patient with Eaton-Lambert syndrome] Kotani N, et al. **Masui** 1985 Apr;34(4):508-11 (Eng. Abstr.) **(Jpn)**

[Anesthesia for a patient with myotonic dystrophy] Tanoue T, et al. **Masui** 1985 May;34(5):692-5 (Eng. Abstr.) **(Jpn)**

[Sigmoid volvulus in association with megacolon in myotonic dystrophy] Sasaki H, et al. **Nippon Naika Gakkai Zasshi** 1984 Aug;73(8):1195-200 **(Jpn)**

[Quantitative measurement of ventricular dilatation on CT scan--a proposal of new index and review of literature] Okita N, et al. **No To Shinkei** 1985 Apr;37(4):343-7 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Anaesthesia in babies with congenital dystrophia myotonica. Bray RJ, et al. **Anaesthesia** 1984 Oct;39(10):1007-11

DIAGNOSIS

Autonomic function in myotonic dystrophy [letter] Aminoff MJ, et al. **Arch Neurol** 1985 Jan;42(1):16

Identification of minimal expression of myotonic dystrophy using electroretinography. Creel DJ, et al. **Electroencephalogr Clin Neurophysiol** 1985 Oct; 61(4):229-35

[Major neonatal form of Steinert's disease. Comments apropos of a case] Olewniczak G, et al. **Ann Pediatr (Paris)** 1985 Mar;32(3):236-9 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Hyperinsulinemia in myotonic dystrophy: identity of the maternal factor causing the neonatal myotonic dystrophy syndrome. Silver MM, et al. **Med Hypotheses** 1985 Mar; 16(3):207-20 (60 ref.)

FAMILIAL & GENETIC

Multiple familial pilomatricomas: a cutaneous marker for myotonic dystrophy. Delfino M, et al. **Dermatologica** 1985; 170(3):128-32

The apolipoprotein CII gene: subchromosomal localisation and linkage to the myotonic dystrophy locus. Shaw DJ, et al. **Hum Genet** 1985;70(3):271-3

Gene mapping and myotonic dystrophy. Harper PS, et al. **Prog Clin Biol Res** 1985;177:61-76

Myotonic dystrophy. Part I. A genealogical study in the northern Transvaal. Lotz BP, et al. **S Afr Med J** 1985 May 17;67(20):812-4

[Neonatal Steinert's disease: apropos of 2 cases in 2 successive generations] Bétrémieux P, et al. **J Genet Hum** 1985 Jan; 33(1):21-30 (Eng. Abstr.) **(Fre)**

[Steinert disease and pregnancy] Monnier JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(5):541-8 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunological studies in myotonic dystrophy. Walker GL, et al. **Clin Exp Neurol** 1983;19:29-36

[Detection of immune reactivity to antigens of the central nervous system in patients with myotonic dystrophy] Mayer M, et al. **Cas Lek Cesk** 1984 Sep 28; 123(38-39):1187-9 (Eng. Abstr.) **(Cze)**

[Myotonia atrophica:anti-acetylcholine receptor antibody and neuromuscular junction membrane disorder] Momoi M. **Nippon Rinsho** 1985 Apr;43(4):823-7 **(Jpn)**

METABOLISM

In vivo estimation of muscle protein synthesis in myotonic dystrophy. Halliday D, et al. **Ann Neurol** 1985 Jan; 17(1):65-9

Lack of relationship of hypogonadism to muscle wasting in myotonic dystrophy. Griggs RC, et al. **Arch Neurol** 1985 Sep;42(9):881-5

Tightly bound fatty acids in the erythrocyte membrane proteins in myotonic dystrophy. Antoku Y, et al. **Exp Neurol** 1985 Feb;87(2):206-11

Myotonic dystrophy: effect of testosterone on total body potassium and on creatinine excretion. Griggs RC, et al. **Neurology** 1985 Jul;35(7):1035-40

Decreased binding of insulin to erythrocytes in myotonic dystrophy. Sakai K, et al. **Tohoku J Exp Med** 1985 Jun; 146(2):193-9

PATHOLOGY

Morphologic and morphometric analyses of muscle in the neonatal myotonic dystrophy syndrome. Silver MM, et al. **Hum Pathol** 1984 Dec;15(12):1171-82

[Involvement of the central nervous system in myotonic dystrophy--a clinical, computerized tomographic and electrophysiological studies] Fukui R, et al. **Rinsho Shinkeigaku** 1985 Jan;25(1):6-11 (Eng. Abstr.) **(Jpn)**

[Neonatal form of myotonic dystrophy] Romero González J, et al. **An Esp Pediatr** 1985 Mar 31;22(4):328-31 **(Spa)**

[Systemic manifestations in dystrophia myotonica or Steinert's disease] Vázquez García JA, et al. **Med Clin (Barc)** 1985 Mar 23;84(11):448-57 **(Spa)**

PHYSIOPATHOLOGY

Cardiac involvement in myotonic muscular dystrophy (Steinert's disease): a prospective study of 25 patients. Perloff JK, et al. **Am J Cardiol** 1984 Nov 1;54(8):1074-81

Hyperthyroidism and Addison's disease in a patient with myotonic dystrophy. Pagliara S, et al. **Arch Intern Med** 1985 May;145(5):919-20

Electrophysiological analysis of warming up phenomenon in myotonia. Mano Y, et al. **Jpn J Med** 1985 May; 24(2):131-4

Myotonic dystrophy. Part II. A clinical study of 96 patients. Lotz BP, et al. **S Afr Med J** 1985 May 17;67(20):815-7

[Myotonic muscular dystrophy (clinical and electromyographic studies of 21 cases)] Tang XF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):256-60 (Eng. Abstr.) **(Chi)**

PSYCHOLOGY

Psychometric and cranial CT study in myotonic dystrophy. Walker GL, et al. **Clin Exp Neurol** 1984;20:161-7

[Analysis of tracking behavior in patients with muscular dystrophy] Yamashita T, et al. **Shinrigaku Kenkyu** 1984 Jun;55(2):102-8 (Eng. Abstr.) **(Jpn)**

THERAPY

Caesarean section for twins in a patient with myotonic dystrophy. Paterson RA, et al. **Can Anaesth Soc J** 1985 Jul;32(4):418-21

MYOTONIA CONGENITA

COMPLICATIONS

Foot deformity in myotonic dystrophy. Ray S, et al. **Foot Ankle** 1984 Nov-Dec;5(3):125-30

[Tomsen's myotonia associated with paroxysmal myoplegia] Drobinskii AD, et al. **Pediatriia** 1984 Sep;(9):74 **(Rus)**

DIAGNOSIS

Repetitive nerve stimulation in the differential diagnosis of congenital myotonia. Rossi B, et al. **Ital J Neurol Sci** 1984 Dec;5(4):385-90

DRUG THERAPY

Lithium-induced improvement of myotonia [letter] Gerst JW, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep; 47(9):1044-6

FAMILIAL & GENETIC

Skeletal muscle in paramyotonia congenita: biochemistry, histochemistry and morphology. Friis ML, et al. **Acta Neurol Scand** 1985 Jan;71(1):62-8

[Paramyotonia congenita--report of 3 cases in a family] Zhang ZX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Oct; 17(5):257-60 (Eng. Abstr.) **(Chi)**

[Paramyotonia congenita. Presentation of a Spanish family] Ferrero Arias J, et al. **Med Clin (Barc)** 1984 Sep 15; 83(7):297-300 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Respiratory muscle dysfunction in myotonia congenita. Estenne M, et al. **Am Rev Respir Dis** 1984 Oct;130(4):681-4

VETERINARY

Myotonia in a chow chow. Amann JF, et al. **J Am Vet Med Assoc** 1985 Aug 15;187(4):415-7

MYOXIDAE see **RODENTIA**

MYRINGOPLASTY

Failures in myringoplasty. Vartiainen E, et al. **Arch Otorhinolaryngol** 1985;242(1):27-33

[Myringoplasty in children] François M, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(5):321-7 (Eng. Abstr.) **(Fre)**

METHODS

Pericard: a new biomaterial for tympanoplasty. Preliminary report. Pfaltz CR, et al. **Am J Otol** 1985 May;6(3):266-8

A clinical comparison of the results of two different methods of closing tympanic membrane perforations. Mendel L, et al. **J Laryngol Otol** 1985 Apr;99(4):339-42

[A single-phase reconstruction of the tympanic membrane and the auditory ossicles] Zelený M, et al. **Cesk Otolaryngol** 1985 Jun;34(3):152-7 (Eng. Abstr.) **(Cze)**

[Myringoplasty performed by the rosette method] Latkowski B, et al. **Otolaryngol Pol** 1984;38(5):407-11 (Eng. Abstr.) **(Pol)**

MYRISTATES see under **MYRISTIC ACIDS**

MYRISTIC ACIDS

ANALYSIS

Identification of the NH2-terminal blocking group of NADH-cytochrome b5 reductase as myristic acid and the complete amino acid sequence of the membrane-binding domain. Ozols J, et al. **J Biol Chem** 1984 Nov 10; 259(21):13349-54

Myristic acid, a rare fatty acid, is the lipid attached to the transforming protein of Rous sarcoma virus and its cellular homolog. Buss JE, et al. **J Virol** 1985 Jan;53(1):7-12

Identification of N-terminal myristyl blocking groups in proteins. Aitken A, et al. **Methods Enzymol** 1984; 106:205-10

Amino terminal myristylation of the protein kinase p60src, a retroviral transforming protein. Schultz AM, et al. **Science** 1985 Jan 25;227(4685):427-9

CHEMICAL SYNTHESIS

The synthesis and evaluation of radioiodinated 14-(iodophenyl)-3-(R,S)methyltetradecanoic acid. Elmaleh DR, et al. **Nucl Med Commun** 1985 May; 6(5):287-97

[Synthesis of lipid A analogs. Obtaining conjugates of 6-phosphate 2-desoxy-2-(3-hydroxymyristoyl)amino-D-glucose with polymer carriers and their immunological properties] Gorbach VI, et al. **Bioorg Khim** 1985 May;11(5):677-82 (Eng. Abstr.) **(Rus)**

METABOLISM

Hormonal regulation of fat esterification & oxidation in hepatocytes from fed rats: modulation by 3-mercaptopicolinate. Schofield PS, et al. **Biochem Int** 1985 Apr;10(4):695-704

Studies on the attachment of myristic and palmitic acid to cell proteins in human squamous carcinoma cell lines: evidence for two pathways. McIlhinney RA, et al. **EMBO J** 1985 May;4(5):1145-52

The transfer of myristic and other fatty acids on lipid and viral protein acceptors in cultured cells infected with Semliki Forest and influenza virus. Schmidt MF.

EMBO J 1984 Oct;3(10):2295–300

Myristic acid is attached to the transforming protein of Rous sarcoma virus during or immediately after synthesis and is present in both soluble and membrane-bound forms of the protein. Buss JE, et al. **Mol Cell Biol** 1984 Dec; 4(12):2697–704

An N-terminal peptide from p60src can direct myristylation and plasma membrane localization when fused to heterologous proteins. Pellman D, et al. **Nature** 1985 Mar 28–Apr 3;314(6009):374–7

Covalently bound myristate in a lymphoma tyrosine protein kinase. Marchildon GA, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7679–82

PHARMACODYNAMICS

Two modes of irreversible inactivation of the mitochondrial electron-transfer system by tetradecanoic acid. Schewe T, et al. **Biochim Biophys Acta** 1985 May 3;807(2):210–5

MYSTICISM

'Psychic sensitivity', mystical experience, head injury and brain pathology. Fenwick P, et al. **Br J Med Psychol** 1985 Mar;58 (Pt 1):35–44

[The marks of contemporary stigmata in the field of mysticism] Fernández FA. **An R Acad Nac Med (Madr)** 1984;101(3):355–73 **(Spa)**

MYTHOLOGY

Individuality and hubris in mythology: the struggle to be human. Mitchell A. **Am J Psychoanal** 1984 Winter; 44(4):399–412

Gods and goddesses of the quadrant: some further thoughts on the mythological dimensions of the law. Smith JC. **Int J Law Psychiatry** 1984;7(3–4):219–47

The sword and shield of Perseus: some mythological dimensions of the law. Smith JC. **Int J Law Psychiatry** 1983;6(3–4):235–61

On the persistence of very early memory traces in psychoanalysis, myth, and religion. Almansi RJ. **J Am Psychoanal Assoc** 1983;31(2):391–421

Vampirism––legendary or clinical phenomenon? Prins H. **Med Sci Law** 1984 Oct;24(4):283–93

The Greeks had a story for it. Fried RI. **Ohio State Med J** 1985 Jul;81(7):511–13

Play, myth, theater, and psychoanalysis. Grolnick SA. **Psychoanal Rev** 1984 Sep;71(2):247–62

[Comprehensive approach to a Pilagá myth. The myth of Tomagaloqosót] Idoyaga Molina A. **Acta Psiquiatr Psicol Am Lat** 1984 Sep;30(3):201–8 (Eng. Abstr.) **(Spa)**

[Cliches of Buenos Aires: the mythologic foundation of its customs] Pagés Larraya F. **Acta Psiquiatr Psicol Am Lat** 1983 Mar;29(1):21–52 (Eng. Abstr.) **(Spa)**

MYTILUS see **MUSSELS**

MYXEDEMA

BLOOD

[Beta-endorphins in the blood of patients with thyrotoxicosis and myxedema] Felt V, et al. **Cas Lek Cesk** 1984 Oct 19; 123(42):1270–2 (Eng. Abstr.) **(Cze)**

[Plasma arginine-vasopressin values in 3 patients with myxedematous coma and hyponatremia] Lucas Martín AM, et al. **Med Clin (Barc)** 1984 Jun 2;83(1):27–9 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Myxedema coma during long-term amiodarone therapy. Mazonson PD, et al. **Am J Med** 1984 Oct;77(4):751–4

COMPLICATIONS

Diagnosis of 'myxedema madness' [letter] Shaw E, et al. **Am J Psychiatry** 1985 May;142(5):655

Postoperative myxoedema. A report of coma and upper airway obstruction. Sherry KM, et al. **Anaesthesia** 1984 Nov;39(11):1112–4

Pretibial myxedema associated with chronic thyroiditis [letter] Horiuchi Y. **Arch Dermatol** 1985 Apr;121(4):451

Delayed respiratory failure during the treatment of myxedema coma. Yamamoto T. **Endocrinol Jpn** 1984 Dec; 31(6):769–75

Myxoedematous limb girdle myopathy and neuropathy. Ghalaut PS, et al. **J Indian Med Assoc** 1984 Sep; 82(9):329–31

Sleep apnoea in myxoedema. Mackay D, et al. **J R Coll Physicians Lond** 1984 Oct;18(4):248–52

Paranoid psychosis in myxoedema: a case report. Samuel W, et al. **Med J Malaysia** 1984 Jun;39(2):156–8

Myxoedema presenting as epilepsy. Rowell NP, et al. **Postgrad Med J** 1984 Sep;60(707):605–6

Myxoedema followed by TSAb-induced hyperthyroidism: report of 2 cases. Steel NR, et al. **Postgrad Med J** 1985 Aug;61(718):717–20

Myxoedema in a case of acute myeloid leukaemia. Grützmeier S. **Scand J Haematol** 1985 Apr;34(4):323–5

[Myxedema psychosis] Johannessen A, et al. **Ugeskr Laeger** 1984 Aug 13;146(33):2483–4 (Eng. Abstr.) **(Dan)**

[Contribution of echocardiography to the study of the myxedematous heart] Brigui M, et al. **Tunis Med** 1985 Mar; 63(3):189–96 (Eng. Abstr.) **(Fre)**

[A young female case of myxedema associated with atrophic gastritis (type A) with remarkable hypergastrinemia] Maeda M, et al. **Nippon Naika Gakkai Zasshi** 1984 Jul; 73(7):995–1000 **(Jpn)**

DIAGNOSIS

Pretibial myxedema. Truhan AP. **Am Fam Physician** 1985 May;31(5):135–8

Pretibial myxedema. A review of the literature and case report. Frisch DR, et al. **J Am Podiatr Med Assoc** 1985 Mar;75(3):147–52

DRUG THERAPY

Treatment of myxoedema coma––factors associated with fatal outcome. Hylander B, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):65–71

[9 cases of myxedema heart] Chen YY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep; 12(3):201–3 **(Chi)**

ETIOLOGY

Natural history of primary myxedema. Bastenie PA, et al. **Am J Med** 1985 Jul;79(1):91–100 (162 ref.)

Myxedema megacolon [editorial] Solano FX Jr, et al. **Arch Intern Med** 1985 Feb;145(2):231

[Myxedematous heart disease––report of 11 cases including one autopsy] Zhao DC. **Chung Hua Nei Ko Tsa Chih** 1985 Feb;24(2):77–9, 125 (Eng. Abstr.) **(Chi)**

[Palpebral signs of hypothyroidism] Prigent F, et al. **Ann Dermatol Venereol** 1984;111(9):837–8 **(Fre)**

HISTORY

'Osler's sign': pretibial myxedema of Graves' disease. Graner JL. **Can Med Assoc J** 1985 Apr 1;132(7):745–6

IMMUNOLOGY

Primary myxedema with thyrotrophin-binding inhibitor immunoglobulins. Clinical and laboratory findings in 15 patients. Konishi J, et al. **Ann Intern Med** 1985 Jul; 103(1):26–31

METABOLISM

[Electron microscopic studies of pretibial myxoedema using ruthenium red staining] Nakagawa K, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Sep;94(10):1141–8 **(Jpn)**

PATHOLOGY

Pretibial myxoedema. Stewart G, et al. **Ann R Coll Surg Engl** 1984 Nov;66(6):391–5

The acquired cutaneous mucinoses. Matsuoka LY, et al. **Arch Intern Med** 1984 Oct;144(10):1974–80

Altered skin elastic fibers in hypothyroid myxedema and pretibial myxedema. Matsuoka LY, et al. **Arch Intern Med** 1985 Jan;145(1):117–21

Multiple sclerosis co-existent with myxedema. An autopsy case report. Nagashima T, et al. **J Neurol Sci** 1984 Nov–Dec;66(2–3):217–21

PHYSIOPATHOLOGY

Auditory brain stem response in experimentally induced hypothyroidism in albino rats. Ben-Tovim R, et al. **Laryngoscope** 1985 Aug;95(8):982–6

MYXOBACTERALES

CYTOLOGY

Energy-dependent cell cohesion in myxobacteria. Gilmore DF, et al. **J Bacteriol** 1985 Jan;161(1):113–7

GENETICS

Transfer of plasmid RP4 to Myxococcus xanthus and evidence for its integration into the chromosome. Breton AM, et al. **J Bacteriol** 1985 Feb;161(2):523–8

Differential expression of protein S genes during Myxococcus xanthus development. Downard JS, et al. **J Bacteriol** 1985 Mar;161(3):1146–55

Physical mapping of a 330 X 10(3)–base-pair region of the Myxococcus xanthus chromosome that is preferentially labeled during spore germination. Komano T, et al. **J Bacteriol** 1985 Apr;162(1):124–30

Two homologous genes coding for spore-specific proteins are expressed at different times during development of Myxococcus xanthus. Teintze M, et al. **J Bacteriol** 1985 Jul;163(1):121–5

Physical characterization of the genome of the Myxococcus xanthus bacteriophage MX-8. Stellwag E, et al. **MGG** 1985; 199(1):123–32

Construction of Tn5 lac, a transposon that fuses lacZ expression to exogenous promoters, and its introduction into Myxococcus xanthus. Kroos L, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5816–20

GROWTH & DEVELOPMENT

Autocides produced by Myxococcus xanthus. Varon M, et al. **J Bacteriol** 1984 Dec;160(3):1146–50

Morphogenesis of Stigmatella aurantiaca fruiting bodies. Vasquez GM, et al. **J Bacteriol** 1985 Aug;163(2):515–21

Cell interactions in myxobacterial growth and development. Dworkin M, et al. **Science** 1985 Oct 4;230(4721):18–24

IMMUNOLOGY

Monoclonal antibodies against cell-surface antigens of developing cells of Myxococcus xanthus. Gill J, et al. **Ann Inst Pasteur Microbiol** 1985 Jan–Feb;136A(1):11–8

[Immunomodulating activity of the genus Myxococcus] Ruiz C, et al. **Microbiol Esp** 1984 Jan–Jun;37(1–2):47–54 (Eng. Abstr.) **(Spa)**

METABOLISM

The corallopyronins, new inhibitors of bacterial RNA synthesis from Myxobacteria. Irschik H, et al. **J Antibiot (Tokyo)** 1985 Feb;38(2):145–52

Production and properties of a bacteriocin from Myxococcus coralloides D. Muñoz J, et al. **J Appl Bacteriol** 1984 Aug; 57(1):69–74

In vitro synthesis of C15–C60 polyprenols in a cell-free system of Myxococcus fulvus and determination of chain length by high-performance liquid chromatography. Beyer P, et al. **Methods Enzymol** 1985;110:299–303

Myxococcus xanthus spore coat protein S may have a similar structure to vertebrate lens beta gamma-crystallins. Wistow G, et al. **Nature** 1985 Jun 27–Jul 3;315(6022):771–3

PHYSIOLOGY

Abnormal motility and fruiting behavior of Myxococcus xanthus bacteriophage-resistant strains induced by a clear-plaque mutant of bacteriophage Mx8. Ruiz-Vázquez R, et al. **J Bacteriol** 1984 Nov;160(2):818–21

MYXOMA

ANALYSIS

Glycosaminoglycans in myxoma of the jaw: a biochemical study. Slootweg PJ, et al. **J Oral Pathol** 1985 Apr; 14(4):299–306

Vasoactive intestinal polypeptide in cardiac myxoma. Harrison LH Jr, et al. **J Thorac Cardiovasc Surg** 1985 May; 89(5):800–2

BLOOD SUPPLY

[Tumoral vascularization in a case of asymptomatic myxoma] Grollier G, et al. **Arch Mal Coeur** 1985 Apr;78(4):653–6 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

A new echocardiographic classification of left atrial myxoma. Charuzi Y, et al. **Am J Cardiol** 1985 Feb 15;55(5):614–5

COMPLICATIONS

Streptococcus viridans bacteremia associated with atrial myxoma. Frandsen TM, et al. **Am Heart J** 1985 Jul;110(1 Pt 1):180–1

Coronary arterial embolus from left atrial myxoma. Rath S, et al. **Am J Cardiol** 1984 Dec 1;54(10):1392–3

Biatrial myxoma associated with mitral valve lesion. Yakirevich VS, et al. **Ann Thorac Surg** 1985 Jun;39(6):563–5

Stroke due to atrial myxoma in a young woman with co-existing acoustic neuroma and pituitary adenoma [letter] Gorman P, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul; 48(7):718–9

The complex of myxomas, spotty pigmentation, and endocrine overactivity. Carney JA, et al. **Medicine (Baltimore)** 1985 Jul;64(4):270–83

Valvular myxoma causing mitral stenosis: case report. Enzenauer RW, et al. **Milit Med** 1984 Sep;149(9):519–21

An unusual cause of recurrent transient neurologic deficit. Rozear MP, et al. **NC Med J** 1985 Jul;46(7):399

Left atrial myxoma with cerebral emboli. Branch CL Jr, et al. **Neurosurgery** 1985 May;16(5):675–80

Left atrial myxoma with embolic episodes––a case report. Aota M, et al. **Nippon Geka Hokan** 1984 May 1;53(3):511–8

Atrial myxoma presenting with cerebral haemorrhage. Macaulay VM, et al. **Postgrad Med J** 1985 Apr; 61(714):331–2

Left atrial myxoma and atrial septal defect with recurrent pulmonary emboli. Seagle RL, et al. **South Med J** 1985 Aug;78(8):992–4

[Febrile cerebral arterial accident disclosing myxoma of the left atrium. Association with cerebral meningioma and lipoma (letter)] Mihout B, et al. **Presse Med** 1984 Nov 24; 13(42):2581–2 **(Fre)**

[Prolonged fever and schizocytosis disclosing myxoma of the left atrium (letter)] Vermeulen C, et al. **Presse Med** 1984 Nov 10;13(40):2457 **(Fre)**

[Myxomatosis of the right ventricle complicated by infectious endocarditis] Lytkin AM, et al. **Ter Arkh** 1985;57(4):69–71 **(Rus)**

[Myocardial infarction in a patient with cardiac myxoma] Bugaenko VV, et al. **Vrach Delo** 1985 Jan;(1):59–60 **(Rus)**

[Case of cerebral infarction in a patient with myxoma of the heart] Maksimov VI. **Vrach Delo** 1985 Mar;(3):39–41 **(Rus)**

[Massive aortic embolism caused by an atrial myxoma] Paz B, et al. **Rev Med Chil** 1984 Nov;112(11):1146–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Comparison of gated cardiac MRI and 2D echocardiography of intracardiac neoplasms. Go RT, et al. **AJR** 1985 Jul; 145(1):21–5

Detection of round floating left atrial thrombus simulating left atrial myxoma by two-dimensional echocardiography. Zur-Binenboim C, et al. **Am Heart J** 1985 Aug; 110(2):492–3

Detection of atrial myxoma by magnetic resonance imaging. Pflugfelder PW, et al. **Am J Cardiol** 1985 Jan 1;55(1):242–3

Right ventricular myxoma. Viswanathan B, et al. **Ann Thorac Surg** 1985 Mar;39(3):280–1

Ultrasound findings in pseudomyxoma peritonei. Foster DR. **Australas Radiol** 1985 Feb;29(1):39–41

Delay in diagnosis of right atrial myxoma. Northcote RJ, et al. **Clin Cardiol** 1985 Feb;8(2):107–10

Clinical manifestations of myxoma [letter] Algom M, et al. **Heart Lung** 1985 Jul;14(4):421–2

A woman with a persistently high sedimentation rate. Kassirer JP, et al. **Hosp Pract [Off]** 1985 Jul 15;20(7):33, 36, 38 passim

Right atrial myxoma––a report of two cases. Kaul UA, et al. **Indian Heart J** 1985 Mar–Apr;37(2):128–30

M-mode and two-dimensional echocardiographic features of atrial myxomas. Lakshmikanthan C, et al. **Indian Heart J** 1982 Nov–Dec;34(6):396–400

Primary cardiac tumors: experience with 30 consecutive patients since the introduction of two-dimensional echocardiography. Fyke FE 3d, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1465–73

Atrial myxoma as a complication of tocolytic therapy. A case report. Mercer LJ, et al. **J Reprod Med** 1985 Jul; 30(7):561–2

NAME syndrome (nevi, atrial myxoma, myxoid neurofibroma, ephelides): a new and unrecognized subset of patients with cardiac myxoma. Vidaillet HJ Jr, et al. **Minn Med** 1984 Dec;67(12):695–6

The value of echocardiography in left atrial myxoma in a child [letter] Agarwala BN, et al. **NY State J Med** 1984 Nov;84(11): [illegible]

Gated MR imaging of left atrial myxomas. Conces DJ Jr, et al. **Radiology** 1985 Aug;156(2):445–7

Left atrial myxoma in a 13-month-old infant. Daubenton JD, et al. **S Afr Med J** 1985 Aug 17;68(4):261–2

Primary cardiac liposarcoma simulating a left atrial myxoma. Nzayinambaho K, et al. **Thorac Cardiovasc Surg** 1985 Jun; 33(3):193–5

Primary angiosarcoma of the heart mimicking a left atrial myxoma. Ormerod OJ, et al. **Thorax** 1984 Oct;39(10):798–9

[Diagnosis of intracardiac myxoma by echocardiography] Liu HY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep;12(3):204–6, 239 (Eng. Abstr.) **(Chi)**

[Myxoma of the right atrium. The value of echocardiography in the diagnosis of cardiac causes of vertigo and syncope] Berning J, et al. **Ugeskr Laeger** 1984 Jun 25;146(26):1935–6 (Eng. Abstr.) **(Dan)**

[Myxoma of the left atrium. The clinical picture and diagnostic significance of two-dimensional echocardiography] Kassis E, et al. **Ugeskr Laeger** 1984 Jun 25;146(26):1930–4 (Eng. Abstr.) **(Dan)**

[Myxoma of the mitral leaflet. Apropos of a case] Gosse P, et al. **Arch Mal Coeur** 1985 Jul;78(7):1124–7 (Eng. Abstr.) **(Fre)**

[Left atrial myxoma disclosed by neurologic disorders and pseudolupic skin manifestations. Value of skin biopsy (letter)] Claudy A, et al. **Presse Med** 1985 Jan 12;14(1):43–4 **(Fre)**

[Case from practice (34) (myxoma). Female patients B.M., born 12–24–1918, housewife] Juhl E. **Schweiz Rundsch Med Prax** 1985 Mar 5;74(10):250–1 **(Ger)**

[Computed tomography and ultrasonic diagnosis of pseudomyxoma peritonei: report of a case] Itoh H, et al. **Rinsho Hoshasen** 1984 Aug;29(8):921–4 (Eng. Abstr.) **(Jpn)**

[Left atrial myxoma. Diagnosis by digital angiography. A case report] Ferreira C, et al. **Arq Bras Cardiol** 1984 Apr; 42(4):289–91 (Eng. Abstr.) **(Por)**

[Diagnosis of myxoma of the left atrium using ultrasonic sectoral scanning] Popov LV, et al. **Kardiologiia** 1984 Aug; 24(8):107–8 **(Rus)**

[Clinical aspects and diagnosis of myxoma of the left atrium in children] Prikhod'ko VS, et al. **Kardiologiia** 1985 Mar; 25(3):107–8 **(Rus)**

[Myxoma of a retrocecally situated appendix] Kuz'min VI, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):117–8 **(Rus)**

[Differential diagnosis of left atrial myxomas] Korytnikov KI, et al. **Klin Med (Mosk)** 1985 Jan;63(1):63–8 (Eng. Abstr.) **(Rus)**

[Diagnosis of primary tumors of the heart] Manukian GA, et al. **Revmatologiia (Moskva)** 1984 Oct–Dec;(4):51–3 **(Rus)**

[Space-occupying masses in the right atrial cavity. Findings in segmental echo scanning] Gol'dberg GA, et al. **Ter Arkh** 1985;57(4):71–4 (Eng. Abstr.) **(Rus)**

[Clinical characteristics of myxoma of the heart] Mukhin NA, et al. **Ter Arkh** 1985;57(4):66–9 (Eng. Abstr.) **(Rus)**

[Myxoma of the left heart atrium] Iadvizhin BV, et al. **Vrach Delo** 1985 Apr;(4):49–51 **(Rus)**

[Echocardiographic diagnosis of cardiac tumors] Simin N, et al. **Med Pregl** 1984;37(3–4):137–40 (Eng. Abstr.) **(Ser)**

ETIOLOGY

The myxomatous mitral valve. A risk factor for ischemic stroke in young patients? Zenker G, et al. **Eur Neurol** 1985; 24(1):82–4

FAMILIAL & GENETIC

Differences between nonfamilial and familial cardiac myxoma. Carney JA. **Am J Surg Pathol** 1985 Jan;9(1):53–5

[Familial occurrence of cardiac myxomas] Richter G, et al. **Z Kardiol** 1985 Jan;74(1):60–3 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The surface lining cells of cardiac myxoma. Light, electron microscopic and immunohistochemical observation. Tanimura A, et al. **Acta Pathol Jpn** 1985 May;35(3):667–73

Intramuscular myxoma––a clinicopathological study of twenty-three cases. Miettinen M, et al. **Am J Clin Pathol** 1985 Sep;84(3):265–72

A cutaneous neoplasm with neural differentiation. Epstein J, et al. **Am J Dermatopathol** 1984 Dec;6(6):591–3

Intramuscular myxoma: report of two cases and review of the literature. Wood WJ Jr. **Ariz Med** 1985 Jul;42(7):417–9

Cardiac myxoma: an immunoperoxidase study of histogenesis. Boxer ME. **Histopathology** 1984 Sep;8(5):861–72

Myxoid leiomyosarcoma. Salm R, et al. **Histopathology** 1985 Feb;9(2):159–69

Aggressive angiomyxoma of pelvic soft parts: a clinicopathologic study of nine cases. Bégin LR, et al. **Hum Pathol** 1985 Jun;16(6):621–8

Myxoma of the jaw. Chatterji P, et al. **J Laryngol Otol** 1985 Apr;99(4):391–6

Intramuscular myxoma of the masseter. Bedrosian SA, et al. **J Oral Maxillofac Surg** 1984 Oct;42(10):684–6

Intracardiac myxoma. Chopra P. **Jpn Heart J** 1985 May; 26(3):457–62

Gastric epitheloid leiomyomas, pulmonary chondroma, non-functioning metastasizing extra-adrenal paraganglioma and myxoma: a variant of Carney's triad. Report of a patient. Rüfenacht H, et al. **Klin Wochenschr** 1985 Mar 15;63(6):282–4

Myxomatous degeneration of the lumbar intervertebral disc. Beatty RA. **Neurosurgery** 1985 Aug;17(2):277–80

Gamna body of the heart. Coard KC, et al. **Pathology** 1984 Oct;16(4):459–61

[Left atrial myxoma descending deeply into the cavity of the left ventricle] Dragoichev Ch, et al. **Vutr Boles** 1984; 23(6):72–6 (Eng. Abstr.) **(Bul)**

[Histological and ultrastructural observation on atrial myxomatous sarcoma––report of 1 case] Huang ST. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Jun; 12(2):147–8 **(Chi)**

[Myxoma of the left atrium. General considerations and description of a case] Giuliani GC, et al. **Minerva Med** 1984 Oct 6;75(38):2227–31 (Eng. Abstr.) **(Ita)**

[Cardiac myxoma in adolescence. Clinico-pathologic study of 3 patients] Valente M, et al. **Pathologica** 1984 May–Jun; 76(1043):323–32 (Eng. Abstr.) **(Ita)**

[2 cases of myxoma of the left atrium with arterial and venous thrombosis] Iagoda AV, et al. **Klin Med (Mosk)** 1984 Nov; 62(11):114–7 **(Rus)**

PHYSIOPATHOLOGY

The loud first heart sound in left atrial myxoma. Gershlick AH, et al. **Br Heart J** 1984 Oct;52(4):403–7

Right atrial myxoma: an unusual cause of intracardiac right-to-left shunt. Rosso J, et al. **Bull Eur Physiopathol Respir** 1985 Mar–Apr;21(2):179–82

[Hemodynamic changes of left atrial myxoma by the operation] Sakakibara N, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jul;32(7):1018–22 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Digital subtraction angiography in the evaluation of right heart tumors. Detrano R, et al. **Am Heart J** 1985 Feb; 109(2):366–8

Evaluation of left atrial myxoma with transmission computed tomography. Kawai N, et al. **Am Heart J** 1985 May;109(5 Pt 1):1116–8

[Coronary angiographic imaging of tumor vessels in myxoma of the right atrium] Hinterauer L, et al. **ROFO** 1985 Jan; 142(1):99–101 **(Ger)**

RADIONUCLIDE IMAGING

[Detection and evaluation of left atrial myxoma by gated radionuclide imaging] Sugihara H, et al. **Kaku Igaku** 1985 May;22(5):561–6 (Eng. Abstr.) **(Jpn)**

SURGERY

Intramuscular myxoma of the neck. Nishijima W, et al. **Arch Otolaryngol** 1985 Oct;111(10):699–701

Recurring cardiac myxoma. Gray IR, et al. **Br Heart J** 1985 Jun;53(6):645–9

The surgical treatment of atrial myxomas. Clinical experience and late results in 33 patients. Hanson EC, et al. **J Thorac Cardiovasc Surg** 1985 Feb;89(2):298–303

[Surgical treatment of cardiac myxoma in 20 cases] Yang YC. **Chung Hua Wai Ko Tsa Chih** 1984 Apr;22(4):223–4 (Eng. Abstr.) **(Chi)**

[Left atrial myxoma––report of a case having cardiac preoperative symptoms for twenty-six years] Koie H, et al. **Kyobu Geka** 1985 Jun;38(6):473–5 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of left atrial myxoma: case report] Matsuzaki T, et al. **Kyobu Geka** 1985 Jan;38(1):73–7 (Eng. Abstr.) **(Jpn)**

[A case report of right atrial myxoma] Morishita K, et al. **Kyobu Geka** 1984 Sep;37(10):809–13 (Eng. Abstr.) **(Jpn)**

[A case of coronary artery bypass grafting combined with removal of left atrial myxoma] Sugawara E, et al. **Kyobu Geka** 1984 Nov;37(12):954–8 (Eng. Abstr.) **(Jpn)**

[Anesthetic management of the removal of the left atrial myxoma] Yasuda S, et al. **Masui** 1984 Aug;33(8):905–9 (Eng. Abstr.) **(Jpn)**

[Surgery of a left atrial myxoma] Koie H, et al. **Nippon Geka Hokan** 1985 Mar 1;54(2):109–13 (Eng. Abstr.) **(Jpn)**

[Successful surgical treatment of right atrial myxoma in infant] Kosakai Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jun;32(6):961–4 (Eng. Abstr.) **(Jpn)**

[Left atrial myxoma growing into the right atrium with two separate lesions in the left atrium––a case report] Oka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Mar; 33(3):369–73 (Eng. Abstr.) **(Jpn)**

[Atrial myxoma––report of 6 cases with successful surgical removal] Hoshino M, et al. **Rinsho Kyobu Geka** 1984 Nov; 4(6):788–97 (Eng. Abstr.) **(Jpn)**

[Case of successful surgical treatment of myxoma of the heart in an infant] Gorbachevskiĭ SV, et al. **Grudn Khir** 1985 May–Jun;(3):88–9 **(Rus)**

[Surgical treatment of intracavitary tumors of the heart] Petrovskiĭ BV, et al. **Khirurgiia (Mosk)** 1985 Apr;(4):10–7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural and immunohistochemical characteristics of cardiac myxoma. Takagi M. **Acta Pathol Jpn** 1984 Sep; 34(5):1099–114

MYXOMA VIRUS

GENETICS

Tumorigenic poxviruses: genomic organization of malignant rabbit virus, a recombinant between Shope fibroma virus and myxoma virus. Block W, et al. **Virology** 1985 Jan 15; 140(1):113–24

MYXOMATOSIS, INFECTIOUS

see related
MYXOMA VIRUS

MYXOMATOSIS VIRUS see **MYXOMA VIRUS**

MYXOMYCETES

DRUG EFFECTS

Morphological changes and depressed phagocytic efficiency in Dictyostelium amoebae treated with toxic concentrations of cadmium. Cyr RJ, et al. **Environ Res** 1984 Oct; 35(1):66–78

ENZYMOLOGY

Cysteine proteinases of cellular slime moulds. North MJ. **Biochem Soc Trans** 1985 Apr;13(2):288–90

An increase of cAMP-dependent protein kinase during development in Polysphondylium pallidum. Francis D, et al. **Dev Biol** 1984 Dec;106(2):478–84

GENETICS

Conservation and variation of ribosomal proteins in several species of the cellular slime molds Dictyostelium and Polysphondylium. Ramagopal S, et al. **Biochim Biophys Acta** 1984 Nov 13;805(3):300–5

Quantitative cytophotometric determination of DNA, RNA and lysine bound protein in relationship to zygote formation and protein synthesis in myxamoebae and swarm cells of Didymium iridis. Yemma JJ, et al. **Cytobios** 1985; 43(171):115–29

IMMUNOLOGY

Monoclonal antibodies that block cell adhesion in Polysphondylium pallidum: reaction with L-fucose, a terminal sugar in cell-surface glycoproteins. Toda K, et al. **Eur J Biochem** 1984 Sep 17;143(3):477–81

PHYSIOLOGY

The possible involvement of oscillatory cAMP signaling in multicellular morphogenesis of the cellular slime molds.

Schaap P, et al. **Dev Biol** 1984 Oct;105(2):470-8

MYXOSARCOMA

VETERINARY

[Myxosarcoma in a heifer] Loupal G, et al. **Tierarztl Prax** 1984;12(2):173-8 **(Ger)**

MYXOVIRUS INFLUENZAE-A HOMINIS see ORTHOMYXOVIRUS TYPE A, HUMAN

MYXOVIRUS PAROTITIDIS see MUMPS VIRUS

MYXOVIRUS PESTIS-GALLI see ORTHOMYXOVIRUS TYPE A, AVIAN

MYXOVIRUSES see ORTHOMYXOVIRIDAE

NAD

The influence of methanol on the interactions of calcium with the pyridine nucleotides. Burkhard RK. **Biophys Chem** 1985 Jan;21(1):15-9

Stereospecificity for nicotinamide nucleotides in enzymatic and chemical hydride transfer reactions. You KS. **CRC Crit Rev Biochem** 1985;17(4):313-451 (291 ref.)

Comments on 'Luminescence studies on the conformational behavior of horse-liver alcohol dehydrogenase', by N.L. Vekshin [letter] Hardman MJ. **Eur J Biochem** 1985 Jul 1; 150(1):229-30

Interaction of diphtheria toxin with adenylyl-(3',5')-uridine 3'-monophosphate. II. The NAD-binding site and determinants of dinucleotide affinity. Collins CM, et al. **J Biol Chem** 1984 Dec 25;259(24):15159-62

Conformational variability of NAD+ in the free and bound states: a nicotinamide sandwich in NAD+ crystals. Parthasarathy R, et al. **Science** 1984 Nov 23; 226(4677):969-71

ANALOGS & DERIVATIVES

Kinetic studies of the reduction of yeast glutathione reductase by reduced nicotinamide hypoxanthine dinucleotide phosphate. Huber PW, et al. **Arch Biochem Biophys** 1985 Apr;238(1):213-8

Preparation of analogues of NAD+ as substrates for a sensitive fluorimetric assay of nucleotide pyrophosphatase. Muller CD, et al. **Biochem J** 1984 Nov 1;223(3):715-21

The synthesis of 15N- and deuterium-substituted, spin-labeled analogues of NAD+ and their use in EPR studies of dehydrogenases. Philipp R, et al. **Biochim Biophys Acta** 1984 Nov 9;790(3):251-8

Studies of the ferricyanide reductase activities of the mitochondrial reduced nicotinamide adenine dinucleotide-ubiquinone reductase (complex I) utilizing arylazido-beta-alanyl NAD+ and arylazido-beta-alanyl NADP+. Chen S, et al. **J Bioenerg Biomembr** 1985 Feb; 17(1):33-49

Ribavirin, tiazofurin, and selenazofurin: mononucleotides and nicotinamide adenine dinucleotide analogues. Synthesis, structure, and interactions with IMP dehydrogenase. Gebeyehu G, et al. **J Med Chem** 1985 Jan;28(1):99-105

ANALYSIS

NAD and the synthesis of (ADP-ribose)n in a human cell strain (46BR) hypersensitive to the lethal effects of 3-aminobenzamide. Poirier V, et al. **Carcinogenesis** 1985 Jun;6(6):837-41

Determination of enzyme activity in biological fluids by means of electrochemical oxidation of NADH at a modified glassy carbon electrode. Bartalits L, et al. **Clin Chem** 1984 Nov;30(11):1780-3

Pyridine nucleotides in normal and cataractous human lenses. Stewart A, et al. **Exp Eye Res** 1984 Sep;39(3):307-15

The histochemical composition of human vertebral muscle. Bagnall KM, et al. **Spine** 1984 Jul-Aug;9(5):470-3

[Modified determination of reduced nicotinamide coenzymes] Varnakova GM. **Lab Delo** 1985;(2):103-5 (Eng. Abstr.) **(Rus)**

[Bioluminescent method of determining picomolar amounts of nicotinamide-adenine dinucleotide using an immobilized extract of the luminescent bacterium Beneckea harveyi] Lebedeva OV, et al. **Prikl Biokhim Mikrobiol** 1985 Jan-Feb;21(1):114-21 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of NADH-linked oxidation in brain mitochondria by 1-methyl-4-phenyl-pyridine, a metabolite of the neurotoxin, 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine. Nicklas WJ, et al. **Life Sci** 1985 Jul 1;36(26):2503-8

BIOSYNTHESIS

Inhibition of NAD biosynthesis in human erythrocytes by leucine in vitro. Narayanareddy K, et al. **Biochem Med** 1984 Dec;32(3):404-6

Nicotinamide methylation and its relation to NAD synthesis in rat liver tissue culture. Biochemical basis for the physiological activities of 1-methylnicotinamide. Hoshino J, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):250-8

BLOOD

Simultaneous extraction and reverse-phase high-performance liquid chromatographic determination of adenine and pyridine nucleotides in human red blood cells. Stocchi V, et al. **Anal Biochem** 1985 Apr; 146(1):118-24

DIAGNOSTIC USE

A stable, low cost reagent for serum creatine kinase assay using NAD and glucose-6-phosphate dehydrogenase from Leuconostoc mesenteroïdes. Kraaijenhagen RJ, et al. **Clin Chim Acta** 1985 Apr 30;147(3):299-305

ISOLATION & PURIFICATION

High-performance ion-exchange separation of oxidized and reduced nicotinamide adenine dinucleotides. Orr GA, et al. **Anal Biochem** 1984 Oct;142(1):232-4

METABOLISM

Role of c-AMP and NAD in the regulation of Na+-dependent phosphate transport across rat renal brush border membranes. Biber J, et al. **Adv Exp Med Biol** 1984; 178:49-57

Effect of lactate and pyruvate on cerebrocortical microcirculation and NAD/NADH redox state. Dora E. **Adv Exp Med Biol** 1984;180:159-67

NAD pools in the brain cortex effect of reversible anoxic-anoxia and irreversible anoxic-ischemia. Dora E. **Adv Exp Med Biol** 1984;180:131-9

Epicardial image analysis using a desk top computer. Comparison of epicardial flow distribution and NADH-fluorescence pattern. Roesen R, et al. **Adv Myocardiol** 1985;6:217-31

Study and use of spontaneous cofactor regeneration in an immobilized enzyme-coenzyme system. Minard P, et al. **Ann NY Acad Sci** 1984;434:259-63

Selection and microencapsulation of an 'NADH-oxidizing' bacterium and its use for NAD regeneration. Ergan F, et al. **Appl Biochem Biotechnol** 1984;10:61-71

Vanadate-dependent NADH oxidation in microsomal membranes of sugar beet. Briskin DP, et al. **Arch Biochem Biophys** 1985 Jan;236(1):228-37

The effect of long-term inhibition of mitochondrial protein synthesis on the oxidation capacity of mitochondria for NADH-linked substrates. Kroon AM, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1190-5

12-L-hydroxy-5,8,10-heptadecatrienoic acid (HHT) is an excellent substrate for NAD+-dependent 15-hydroxyprostaglandin dehydrogenase. Liu Y, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):268-74

Oxidation of NAD dimers by horseradish peroxidase. Avigliano L, et al. **Biochem J** 1985 Mar 1;226(2):391-5

Archaebacterial malate dehydrogenases. The enzymes from the thermoacidophilic organisms Sulfolobus acidocaldarius and Thermoplasma acidophilum show A-side stereospecificity for NAD+. Görisch H, et al. **Biochem J** 1985 Mar 15;226(3):885-8

Acceleration of the NAD cyanide adduct reaction by lactate dehydrogenase: the equilibrium binding effect as a measure of the activation of bound NAD. Burgner JW 2d, et al. **Biochemistry** 1984 Jul 31;23(16):3620-6

Reaction of 4-trans-(N,N-dimethylamino)cinnamaldehyde with the liver alcohol dehydrogenase-oxidized nicotinamide adenine dinucleotide complex. Dahl KH, et al. **Biochemistry** 1984 Aug 28;23(18):4094-100

Crystallographic investigations of nicotinamide adenine dinucleotide binding to horse liver alcohol dehydrogenase. Eklund H, et al. **Biochemistry** 1984 Dec 4;23(25):5982-96

Variation of transition-state structure as a function of the nucleotide in reactions catalyzed by dehydrogenases. 2. Formate dehydrogenase. Hermes JD, et al. **Biochemistry** 1984 Nov 6;23(23):5479-88

Determination of dissociation constants for enzyme-reactant complexes for NAD-malic enzyme by modulation of the thiol inactivation rate. Kiick DM, et al. **Biochemistry** 1984 Nov 6;23(23):5454-9

Kinetic mechanism in the direction of oxidative decarboxylation for NAD-malic enzyme from Ascaris suum. Park SH, et al. **Biochemistry** 1984 Nov 6; 23(23):5446-53

Variation of transition-state structure as a function of the nucleotide in reactions catalyzed by dehydrogenases. 1. Liver alcohol dehydrogenase with benzyl alcohol and yeast aldehyde dehydrogenase with benzaldehyde. Scharschmidt M, et al. **Biochemistry** 1984 Nov 6;23(23):5471-8

Mechanism of transfer of reduced nicotinamide adenine dinucleotide among dehydrogenases. Srivastava DK, et al. **Biochemistry** 1985 Jan 29;24(3):623-8

Molecular basis for the transfer of nicotinamide adenine dinucleotide among dehydrogenases. Srivastava DK, et al. **Biochemistry** 1985 Jan 29;24(3):629-35

Direct transfer of reduced nicotinamide adenine dinucleotide from glyceraldehyde-3-phosphate dehydrogenase to liver alcohol dehydrogenase. Srivastava DK, et al. **Biochemistry** 1984 Sep 25;23(20):4538-45

Raman study of reduced nicotinamide adenine dinucleotide bound to liver alcohol dehydrogenase. Yue KT, et al. **Biochemistry** 1984 Dec 18;23(26):6480-3

NADH oxidation by quinone electron acceptors. Cénas NK, et al. **Biochim Biophys Acta** 1984 Oct 26;767(1):108-12

Complex formation between nucleotides and D-beta-hydroxybutyrate dehydrogenase studied by fluorescence and EPR spectroscopy. Fritzsche TM, et al. **Biochim Biophys Acta** 1984 Dec 7;791(2):173-85

Fast cold-induced activation of the external pathway of NADH oxidation in liver mitochondria of hyperthyroid rats. Kirillova GP, et al. **Biochim Biophys Acta** 1985 Jan 23;806(1):75-80

NAD+ degradation by resting cells. **Ciba Found Symp** 1985; 111:231-7

The relationship of nicotinamide adenine dinucleotide to the chondrogenic differentiation of limb mesenchymal cells. Midura RJ, et al. **Dev Biol** 1985 Sep;111(1):232-42

Purification and properties of NADH/NADPH-dependent p-hydroxybenzoate hydroxylase from Corynebacterium cyclohexanicum. Fujii T, et al. **Eur J Biochem** 1985 Feb 15;147(1):97-104

Autoradiographic distribution of specific binding sites for nicotinamide adenine dinucleotide in the rat brain. Candy JM, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):193-4

Influence of ethanol upon the introduction of tyrosine aminotransferase in liver, upon the NAD content in liver and brain, and upon the activity of glutamate oxalate aminotransferase and glutamate pyruvate aminotransferase in the serum of rats. Kröger H, et al. **Gen Pharmacol** 1985; 16(1):31-5

Reduction of NAD+ by uptake hydrogenase from groundnut bacteroids. Lodha ML, et al. **Indian J Biochem Biophys** 1984 Jun;21(3):206-7

Influence of azacytidine on the induction of tyrosine aminotransferase and the NAD metabolism in rat liver. Kröger H, et al. **Int J Biochem** 1984;16(12):1387-90

NAD metabolism and induction of tyrosine aminotransferase in the rat. Kröger H, et al. **Int J Biochem** 1985;17(2):161-5

Oxidation of NADH via an 'external' pathway in skeletal-muscle mitochondria and its possible role in the repayment of lactacid oxygen debt. Szczesna-Kaczmarek A, et al. **Int J Biochem** 1984;16(12):1231-5

An electrogenic proton pump associated with the Golgi apparatus of mouse liver driven by NADH and ATP. Barr R, et al. **J Biol Chem** 1984 Nov 25;259(22):14064-7

The role of dissimilar subunits of NAD-specific isocitrate dehydrogenase from pig heart. Evaluation using affinity labeling. Ehrlich RS, et al. **J Biol Chem** 1984 Oct 10; 259(19):11936-42

Purification and characterization of the 2-methyl branched-chain Acyl-CoA dehydrogenase, an enzyme involved in NADH-dependent enoyl-CoA reduction in anaerobic mitochondria of the nematode, Ascaris suum. Komuniecki R, et al. **J Biol Chem** 1985 Apr 25; 260(8):4770-7

Allosteric activation of rat liver microsomal 3-hydroxy-3-methylglutaryl coenzyme A reductase by nicotinamide adenine dinucleotides. Roitelman J, et al. **J Biol Chem** 1984 Nov 25;259(22):14029-32

Modulation of nicotinamide adenine dinucleotide and poly(adenosine diphosphoribose) metabolism by the synthetic 'C' nucleoside analogs, tiazofurin and selenazofurin. A new strategy for cancer chemotherapy. Berger NA, et al. **J Clin Invest** 1985 Feb;75(2):702-9

NAD metabolism in Salmonella typhimurium: isolation of pyridine analogue supersensitive (pas) and pas suppressor mutants. Foster JW, et al. **J Gen Microbiol** 1984 Nov;130 (Pt 11):2873-81

Mitochondrial myopathy with partial cytochrome oxidase deficiency and impaired oxidation of NADH-linked substrates. Sherratt HS, et al. **J Inherited Metab Dis** 1984; 7 Suppl 2:107-8

Formation of hydroxyl radicals from NADH and NADPH in the presence of copper salts. Rowley DA, et al. **J Inorg Biochem** 1985 Feb;23(2):103-8

Degradation of NAD by synaptosomes and its inhibition by nicotinamide mononucleotide: implications for the role of NAD as a synaptic modulator. Snell CR, et al. **J Neurochem** 1984 Dec;43(6):1610-5

Effect of tryptophan and/or casein supplementation on NAD levels in livers of the rats fed on niacin- and protein-free diet. Hayakawa T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Jun;30(3):303-6

Heme degradation with participation of the superoxide radical in the presence of NADH and lipoamide dehydrogenase. Matuda S, et al. **Jpn J Med Sci Biol** 1984 Aug;37(4):171-5

Enhancement of the binding of O-ethyl O-p-nitrophenyl phenylphosphonate (EPNoxon) to microsomal carboxylesterase by NAD in vitro. Sugiyama S, et al. **Jpn J Pharmacol** 1985 Jan;37(1):39-44

NAD-coupled enzymatic oxidation of O-ethyl O-p-nitrophenyl phenylphosphonothioate (EPN) to its oxygen analog with liver microsomes of rats. Sugiyama S, et al. **Jpn J Pharmacol** 1985 Mar;37(3):245-52

Cytosolic redox potential and phosphate transport in the proximal tubule of the rabbit. A study in the isolated perfused tubules. Yanagawa N, et al **Miner Electrolyte Metab** 1985;11(1):57-61

Oxidative metabolism and acetylcholine synthesis during acetylpyridine treatment. Gibson GE, et al. **Neurochem Res** 1985 Apr;10(4):453-67

Effect of adenosine and its stabile analogue 2-chloroadenosine on cerebrocortical microcirculation and NAD/NADH redox state. Dóra E. **Pflugers Arch** 1985 Jul; 404(3):208-13

NADH in human skeletal muscle during short-term intense exercise. Sahlin K. **Pflugers Arch** 1985 Feb;403(2):193-6

Binding of NADH to horse liver alcohol dehydrogenase: dependence on concentration of benzaldehyde and benzyl alcohol. Bignetti E. **Physiol Chem Phys Med NMR** 1984; 16(1):21-7

Inactivation of S-adenosyl-L-homocysteine hydrolase by cAMP results from dissociation of enzyme-bound NAD+. Hohman RJ, et al. **Proc Natl Acad Sci USA** 1985 Jul; 82(14):4578-81

Diversity in nicotinamide-adenine dinucleotide requirement for the growth of different strains of Mycoplasma synoviae. Yagihashi T, et al. **Res Vet Sci** 1984 Nov;37(3):353-4

The cooperative behavior of yeast D-glyceraldehyde-3-phosphate. Dehydrogenase as studied by the formation of the fluorescent NAD derivative. Xu GQ, et al. **Sci Sin [B]** 1984 Aug;27(8):800-10

[Reduction of cytochrome c by NADH induced by light] Ferri A, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30; 61(3):327-34 (Eng. Abstr.) **(Ita)**

[Dependence of ADP-ribosylation of histones of chicken liver nuclei on the intranuclear content of NAD] Muliavko NA, et al. **Biokhimiia** 1984 Oct;49(10):1623-7 (Eng. Abstr.) **(Rus)**

[Nicotinamide coenzyme content in the normal and regenerating liver of rats] Pasos F, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):432-4 (Eng. Abstr.) **(Rus)**

[Dissociative model of the thermoinactivation of NAD-dependent hydrogenase] Popov VO, et al. **Dokl Akad Nauk SSSR** 1985;281(3):735-7 **(Rus)**

[Effect of tuftsin, a neuropeptide and its derivatives on the content of nicotinamide coenzymes and the activity of cytochrome- c-oxidase of brain tissue] Begam R. **Ukr Biokhim Zh** 1985 Mar-Apr;57(2):82-4 (Eng. Abstr.) **(Rus)**

[Potential activity of the external pathway of NADH oxidation in mitochondria] Fedotcheva NI, et al. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):38-43 (Eng. Abstr.) **(Rus)**

[Nicotinamide nucleotides as factors of lipogenesis regulation] Velikil NN. **Ukr Biokhim Zh** 1984 Jul-Aug; 56(4):369-83 (Eng. Abstr.) **(Rus)**

[Nicotinamide coenzyme regulation of the sorbitol pathway of glucose metabolism in the aorta of rats with streptozotocin diabetes] Obrosova IG, et al. **Vopr Med Khim** 1985 Mar-Apr;31(2):125-8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition and activation of bovine heart NAD-specific isocitrate dehydrogenase by ATP. Gabriel JL, et al. **Arch Biochem Biophys** 1985 Jul;240(1):128-34

Modulation of the activity of NAD malic enzyme from solanum tuberosum by changes in oligomeric state. Grover SD, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):418-25

Induction of a decrease in renal NAD+-dependent 15-hydroxyprostaglandin dehydrogenase activity by estradiol in rats. Chang WC, et al. **Biochem Pharmacol** 1985 Jun 15;34(12):2073-6

Actions of adenine dinucleotides in the guinea-pig taenia coli: NAD acts indirectly on P1-purinoceptors; NADP acts like a P2-purinoceptor agonist. Burnstock G, et al. **Br J Pharmacol** 1985 Apr;84(4):825-31

Gossypol is a potent inhibitor of the NAD+-dependent dehydrogenase responsible for the inactivation of prostaglandins. Berry CN, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):55-9

Sequential ADP-ribosylation pattern of nucleosomal histones. ADP-ribosylation of nucleosomal histones. Huletsky A, et al. **Eur J Biochem** 1985 Jan 15;146(2):277-85

Effect of nicotinamide adenine dinucleotide on the oxidation-reduction potentials of lipoamide dehydrogenase from pig heart. Maeda-Yorita K, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):683-90

Identification of the lysine and tyrosine peptides labeled by 5'-p-fluorosulfonylbenzoyladenosine in the NADH inhibitory site of glutamate dehydrogenase. Schmidt JA, et al. **J Biol Chem** 1984 Dec 10;259(23):14515-9

Brain NADH and jumping behavior in the rat. Shen Z, et al. **Life Sci** 1985 Aug 26;37(8):731-8

Substrate specificity of three prostaglandin dehydrogenases. Jarabak J, et al. **Prostaglandins** 1983 Dec;26(6):849-68

Increase in anti-carboxylesterase action of organophosphorothioates by nicotinamide adenine dinucleotide (NAD) in vitro. Sugiyama S, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jun;48(3):455-8

[Effect of NADH on the catalytic function and reactivity of thiols from rabbit muscle aldolase] Chumachenko IuV, et al. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):33-8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Localization and properties of NAD+-dependent 15-hydroxyprostaglandin dehydrogenase activity in the rat kidney. Uchida S, et al. **Pflugers Arch** 1985 Jul; 404(3):278-84

THERAPEUTIC USE

Effect of coenzyme-A, NAD, alpha lipoic-acid and cocarboxylase on survival of rats with galactosamine-induced severe hepatitis. Thölen H, et al. **Experientia** 1985 Aug 15;41(8):1042-5

NAD DIAPHORASE see **LIPOAMIDE DEHYDROGENASE**

NAD NUCLEOSIDASE

ANTAGONISTS & INHIBITORS

Inhibitors of poly(adenosine diphosphoribose) synthetase, examination of metabolic perturbations, and enhancement of radiation response in Chinese hamster cells. Ben-Hur E, et al. **Cancer Res** 1985 May;45(5):2123-7

Effect of poly(adenosine diphosphate-ribose) polymerase inhibitors on neocarzinostatin-induced G2 delay in HeLa-S3 cells. Iseki S, et al. **Cancer Res** 1985 Sep; 45(9):4224-8

Induction of rat pancreatic B-cell tumors by the combined administration of streptozotocin or alloxan and poly(adenosine diphosphate ribose) synthetase inhibitors. Yamagami T, et al. **Cancer Res** 1985 Apr;45(4):1845-9

Cell cycle perturbations following DNA damage in the presence of ADP-ribosylation inhibitors. Jacobson EL, et al. **Carcinogenesis** 1985 May;6(5):711-4

Cellular recovery of dividing and confluent C3H10T1/2 cells from N-methyl-N'-nitro-N-nitrosoguanidine in the presence of ADP-ribosylation inhibitors. Jacobson EL, et al. **Carcinogenesis** 1985 May;6(5):715-8

Similar sensitivity of human lymphoblast cells proficient or deficient in nucleotide biosynthesis to the cytotoxic and cell cycle effects of 3-aminobenzamide. Schwartz JL, et al. **Exp Cell Res** 1985 Mar;157(1):271-5

Inhibition of carcinogen-induced cellular transformation of human fibroblasts by drugs that interact with the poly(ADP-ribose) polymerase system. Initial evidence for the development of transformation resistance. Milo GE, et al. **FEBS Lett** 1985 Jan 7;179(2):332-6

Enhancement of melphalan cytotoxicity in vivo and in vitro by inhibitors of poly (ADP-ribose) polymerase. Brown DM, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1665-8

Specificity of inhibitors of poly(ADP-ribose) synthesis. Effects on nucleotide metabolism in cultured cells. Hunting DJ, et al. **Mol Pharmacol** 1985 Aug;28(2):200-6

Synergistic induction of sister-chromatid exchanges in lymphocytes from normal subjects and from patients under cytostatic therapy by inhibitors of poly(ADP-ribose)polymerase and antitumour agents. Mourelatos D, et al. **Mutat Res** 1985 Aug;143(4):225-30

Accumulation of 10-kilobase DNA replication intermediates in cells treated with 3-aminobenzamide. Lönn U, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):104-8

Induction of murine teratocarcinoma cell differentiation by suppression of poly(ADP-ribose) synthesis. Ohashi Y, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7132-6

[DNA repair processes in thymus and spleen cells of rats in vitro as affected by the poly(ADP-ribose) polymerase inhibitor 3-aminobenzamide] Tempel K. **Zentralbl Veterinarmed** [A] 1985 Feb;32(2):123-34 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Antigenic determinant and interspecies cross-reactivity of a monoclonal antibody to poly(ADP-ribose) synthetase. Kameshita I, et al. **FEBS Lett** 1985 Mar 25;182(2):393-7

Anti-NADase values in rheumatic fever and valvular disease. Watanabe N, et al. **Jpn Circ J** 1984 Dec;48(12):1343-4

ISOLATION & PURIFICATION

Preparation of immobilized NAD glycohydrolase from Neurospora crassa conidia by hydrophobic interaction--characteristics of the enzyme derivative. Pace M, et al. **Prep Biochem** 1984;14(4):349-62

METABOLISM

Poly (ADP-ribosylation) and DNA topoisomerase I in different cell lines. Ferro AM, et al. **Adv Exp Med Biol** 1984;179:441-7

Catalytic activities of human poly(ADP-ribose)polymerase after SDS-PAGE. Scovassi AI, et al. **Adv Exp Med Biol** 1984;179:519-22

NAD-glycohydrolase in renal brush border membranes. Kempson SA. **Am J Physiol** 1985 Sep;249(3 Pt 2):F366-73

Stimulation of poly(ADP-ribose) synthetase activity in the lungs of mice exposed to a low level of ozone. Hussain MZ, et al. **Arch Biochem Biophys** 1985 Sep;241(2):477-85

Formation of N tau-ribosylhistidine, a novel histidine derivative found in the urine in histidinemia, from histidine and NAD(P)+ catalyzed by an NAD(P)+ glycohydrolase system. Imamura I, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):501-7

Induction of human HL-60 leukemic cell differentiation by immune interferon is accompanied by an increase in NADase activity and by a decrease in DNA-binding proteins. Borelli TJ, et al. **Biochem Int** 1985 Jul;11(1):61-8

Regulation of poly(ADP-ribose) transferase activity by 2',5'-oligoadenylates. Pivazian AD, et al. **Biochem Int** 1984 Aug;9(2):143-52

A relationship between nuclear poly(adenosine diphosphate ribosylation) and acetylation posttranslational modifications. 1. Nucleosome studies. Malik N, et al. **Biochemistry** 1984 Jul 31;23(16):3721-5

The role of poly(ADP-ribose) synthetase in the development of insulin-dependent diabetes and islet B-cell regeneration. Okamoto H. **Biomed Biochim Acta** 1985;44(1):15-20

Disparity in the effects of two N-methyl nicotinamides on poly(ADP-ribose) synthetase and macromolecular synthesis in hepatomas. Lea MA, et al. **Cancer Biochem Biophys** 1985 Jun;8(1):1-7

Poly (ADP-ribose) metabolism in alkylated mouse L5178Y cells. Boyle JM. **Carcinogenesis** 1985 Jul;6(7):1005-9

Studies of self-inactivation of bovine seminal fluid NAD glycohydrolase. Anderson BM, et al. **Chem Biol Interact** 1985 Jul;54(2):159-70

Poly(ADP-ribosylation) of DNA topoisomerase I: a nuclear response to DNA-strand interruptions. Ferro AM, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:683-90

Evidence for the macromolecular basis of regulation of heart hypertrophy. Jackowski G, et al. **Eur Heart J** 1984 Dec; 5 Suppl F:219-24

Sequential ADP-ribosylation pattern of nucleosomal histones. ADP-ribosylation of nucleosomal histones. Huletsky A, et al. **Eur J Biochem** 1985 Jan 15;146(2):277-85

Retarded decline in poly-ADPR content and poly-ADPR synthetase activity in chicken dystrophic muscle. Yoshikawa A, et al. **FEBS Lett** 1985 Jan 21;180(1):1-4

Analytical study of microsomes and isolated subcellular membranes from rat liver. IX. Nicotinamide adenine dinucleotide glycohydrolase: a plasma membrane enzyme prominently found in Kupffer cells. Amar-Costesec A, et al. **J Cell Biol** 1985 Jan;100(1):189-97

Maturation of human promyelocytic leukemia cells induced by nicotinamide: evidence of a regulatory role for ADP-ribosylation of chromosomal proteins. Lucas DL, et al. **J Cell Physiol** 1984 Nov;121(2):334-40

Poly(ADP-ribose) synthetase. Ueda K, et al. **Methods Enzymol** 1984;106:500-4

The effects of X irradiation, hyperthermia, and combined modality treatment on poly(ADPR)synthetase activity in human melanoma cells. Tamulevicius P, et al. **Radiat Res** 1984 Oct;100(1):65-77

[PolyADP-ribosyl polymerase (adenosine diphosphate ribosyl transferase) in bovine crystalline lens; modulation of its activity during aging] Bizec JC, et al. **C R Acad Sci [III]** 1985;300(2):37-41 (Eng. Abstr.) **(Fre)**

[Distribution and activity of nicotinamide-adenine dinucleotide nucleosidase in mammalian semen] Géorgiev GH, et al. **Zentralbl Veterinarmed** [A] 1985 Jan;32(1):11-4 (Eng. Abstr.) **(Fre)**

[Postradiation inhibition of poly ADP ribose polymerase is not determined by internucleosomal fragmentation of DNA] Nelipovich PA, et al. **Radiobiologiia** 1985 Jan-Feb; 25(1):7-11 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Characterization of a factor that can prevent random transcription of cloned rDNA and its probable relationship to poly(ADP-ribose) polymerase. Kurl RN, et al. **Nucleic Acids Res** 1985 Jan 11;13(1):89-101

NADASE see **NAD NUCLEOSIDASE**

NADH DEHYDROGENASE see under **CYTOCHROME REDUCTASES**

NADH DIAPHORASE see **LIPOAMIDE DEHYDROGENASE**

NADH, NADPH OXIDOREDUCTASES

Amino acid sequence of spinach ferredoxin:NADP+ oxidoreductase. Karplus PA, et al. **Biochemistry** 1984 Dec 18;23(26):6576-83

Laser light-scattering characterization of mitochondrial complex III-Triton X-100-phospholipid mixed micelles. Valpuesta JM, et al. **Biochim Biophys Acta** 1985 Apr 3; 807(1):96-9

The NADP+-binding site of ferredoxin-NADP+ reductase. Sequence of the peptide containing the essential lysine residue. Cidaria D, et al. **Eur J Biochem** 1985 Jan 15;146(2):295-9

Reduced 6,6,8-trimethylpterins. Preparation, properties and enzymic reactivities with dihydropteridine reductase, phenylalanine hydroxylase and tyrosine hydroxylase. Randles D, et al. **Eur J Biochem** 1985 Jan 15;146(2):467-74

Phosphorus-31 nuclear magnetic resonance and electronic spectroscopic studies of adrenodoxin reductase and its binary complex with NADP+. Nonaka Y, et al. **J Biochem (Tokyo)** 1985 May;97(5):1263-71

EPR studies of iron-sulfur clusters in isolated subunits and subfractions of NADH-ubiquinone oxidoreductase. Ohnishi T, et al. **J Biol Chem** 1985 Mar 10;260(5):2782-8

ANALYSIS

3,3',5,5'-tetramethylbenzidine/H2O2 staining is not specific for heme proteins separated by gel electrophoresis. Miller DJ, et al. **Anal Biochem** 1984 Aug 1;140(2):577-80

Characterization of the siroheme active site in spinach nitrite reductase by resonance Raman spectroscopy. Ondrias MR, et al. **Biochim Biophys Acta** 1985 Aug 8;830(2):159-63

NADH-methemoglobin reductase and methemoglobinemia among leprosy patients. Magna LA, et al. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):475-81

On the structure of heme d1. An isobacteriochlorin derivative as the prosthetic group of dissimilatory nitrite reductase? Chang CK. **J Biol Chem** 1985 Aug 15;260(17):9520-2

Microphotometric quantitation of enzyme activities in giant cell tumor of bone. A case study. Ciplea AG, et al. **Pathol Res Pract** 1985 Jan;179(3):412-8

[Luminescent properties of NADPH: adrenodoxin reductase] Armenian AG, et al. **Biokhimiia** 1984 Sep;49(9):1441-8 (Eng. Abstr.) **(Rus)**

[Localization of the adrenodoxin-binding fragment of cholesterol hydroxylating cytochrome P-450 from adrenal cortex mitochondria] Chashchin VL, et al. **Bioorg Khim** 1985 Jan;11(1):135-7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Regulation of the nitrate reductase level in anacystis nidulans: activity decay under nitrogen stress. Herrero A, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):454-9

Heparin inhibition of ferredoxin-NADP reductase in chloroplast thylakoid membranes. Hosler JP, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):473-8

Lapachol inhibition of vitamin K epoxide reductase and vitamin K quinone reductase. Preusch PC, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):405-12

Patterns of product inhibition for bacterial nitrite reductase. Dhesi R, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):966-72

Inhibition of mitochondrial NADH:ubiquinone oxidoreductase by ethoxyformic anhydride. Vik SB, et al. **Biochem Int** 1984 Nov;9(5):547-55

Experimentally induced defects of mitochondrial metabolism in rat skeletal muscle. Biological effects of the NADH: coenzyme Q reductase inhibitor diphenyleneiodonium. Hayes DJ, et al. **Biochem J** 1985 Jul 1;229(1):109-17

Effects of N,N'-dicyclohexylcarbodiimide and N-(ethoxycarbonyl)-2-ethoxy-1,2-dihydroquinoline on hydride ion transfer and proton translocation activities of mitochondrial nicotinamidenucleotide transhydrogenase. Phelps DC, et al. **Biochemistry** 1984 Dec 18;23(26):6340-4

Effects of dibromothymoquinone on the structure and function of the mitochondrial bc1 complex. Degli Esposti M, et al. **Biochim Biophys Acta** 1984 Oct 26;767(1):10-20

The interaction of yeast Complex III with some respiratory inhibitors. Tsai AL, et al. **Biochim Biophys Acta** 1985 Mar 13;806(3):418-26

Effects of bc1-site electron transfer inhibitors on the absorption spectra of mitochondrial cytochromes b. Kamensky Y, et al. **FEBS Lett** 1985 Feb 11;181(1):95-9

On the mechanism of inhibition of NADH oxidase by ubiquinone-3. Landi L, et al. **J Bioenerg Biomembr** 1984 Apr;16(2):153-66

Synthesis and dihydropteridine reductase inhibitory effects of potential metabolites of the neurotoxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. Gessner W, et al. **J Med Chem** 1985 Mar;28(3):311-7

Acrylamide alters oxidative enzyme activity in rat motoneurons. Sickles DW, et al. **Toxicol Lett** 1985 Aug; 26(2-3):111-8

BIOSYNTHESIS

Kinetics of glutathione transferase, glutathione transferase messenger RNA, and reduced nicotinamide adenine dinucleotide (phosphate):quinone reductase induction by 2(3)-tert-butyl-4-hydroxyanisole in mice. Benson AM, et al. **Cancer Res** 1984 Nov;44(11):5256-61

Tissue-specific induction patterns of cancer-protective enzymes in mice by tert-butyl-4-hydroxyanisole and related substituted phenols. De Long MJ, et al. **Cancer Res** 1985 Feb;45(2):546-51

Biosynthesis of ferredoxin-NADP+ oxidoreductase. Evidence for the formation of a functional preholoenzyme in the cytoplasmic compartment. Carrillo N. **Eur J Biochem** 1985 Aug 1;150(3):469-74

Biosynthesis of rat liver transhydrogenase in vivo and in vitro. Wu LN, et al. **J Biol Chem** 1985 May 25; 260(10):6361-6

BLOOD

Nicotinamide-adenine dinucleotide-methemoglobin reductase activity in erythrocytes from cats. Baker DC, et al. **Am J Vet Res** 1985 Jun;46(6):1354-5

Activation of NADPH oxidase in human neutrophils. Synergism between fMLP and the neutrophil products PAF and LTB4. Dewald B, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):297-304

Activation of NADPH oxidase of human neutrophils. Potentiation of chemotactic peptide by a diacylglycerol. Dewald B, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):367-73

Composition of partially purified NADPH oxidase from pig neutrophils. Bellavite P, et al. **Biochem J** 1984 Nov 1; 223(3):639-48

Mechanism of the superoxide-producing oxidase of neutrophils. O2 is necessary for the fast reduction of cytochrome b-245 by NADPH. Cross AR, et al. **Biochem J** 1985 Mar 15;226(3):881-4

The superoxide-generating oxidase of leucocytes. NADPH-dependent reduction of flavin and cytochrome b in solubilized preparations. Cross AR, et al. **Biochem J** 1984 Oct 15;223(2):337-44

Activation of human neutrophil NADPH oxidase and lateral mobility of membrane proteins. A study with crosslinkers. Aviram I, et al. **Biochim Biophys Acta** 1984 Oct 12; 805(2):227-31

Examination of the enzyme assay for NADPH oxidoreductase; application to polymorphonuclear leukocyte superoxide anion generation. Zimmerman JJ, et al. **Crit Care Med** 1985 Mar;13(3):197-203

Catalysis of methemoglobin reduction. Hultquist DE, et al. **Curr Top Cell Regul** 1984;24:287-300

Detection of NADPH diaphorase activity associated with human neutrophil NADPH-O2 oxidoreductase activity. Green TR, et al. **FEBS Lett** 1985 Jan 1;179(1):82-6

Effect of guanosine nucleotides on the respiratory burst oxidase from human neutrophils. Kaufman MR, et al. **Inflammation** 1983 Sep;7(3):233-40

Activation of human neutrophil nicotinamide adenine dinucleotide phosphate, reduced (triphosphopyridine nucleotide, reduced) oxidase by arachidonic acid in a cell-free system. Curnutte JT. **J Clin Invest** 1985 May; 75(5):1740-3

Activation of the respiratory burst enzyme from human neutrophils in a cell-free system. Evidence for a soluble cofactor. McPhail LC, et al. **J Clin Invest** 1985 May; 75(5):1735-9

Studies of cytochrome b-245 translocation in the PMA stimulation of the human neutrophil NADPH-oxidase. Higson FK, et al. **J Immunol** 1985 Jul;135(1):519-24

Activation of a NADPH oxidase from horse polymorphonuclear leukocytes in a cell-free system. Heyneman RA, et al. **J Leukocyte Biol** 1984 Dec; 36(6):751-9

Dihydropteridine reductase in schizophrenic patients. Szymanski HV, et al. **Psychiatry Res** 1985 Jun;15(2):115-9

DEFICIENCY

Homozygous NADH-methemoglobin reductase and aspartylglucosaminidase deficiencies in a moderately retarded Sicilian child. Musumeci S, et al. **Am J Med Genet** 1984 Dec;19(4):643-50

Mitochondrial myopathies: deficiencies localized to complex I and complex III of the mitochondrial respiratory chain. Morgan-Hughes JA, et al. **Biochem Soc Trans** 1985 Aug; 13(4):648-50

Generalized deficiency of the NADH-methemoglobin reductase in congenital methemoglobinemia with neurological symptoms. Jabłońska-Skwiecińska E, et al. **Biomed Biochim Acta** 1984;43(6):S98-100

NADH--methaemoglobin reductase deficiency. A case report. Madan N, et al. **Indian J Pathol Microbiol** 1984 Oct;27(4):335-40

Methemoglobinaemia: an unusual presentation. Kokal KC, et al. **J Assoc Physicians India** 1984 Sep;32(9):833-4

Dihydropteridine reductase deficiency: non-response to oral tetrahydrobiopterin load test. Lipson A, et al. **J Inherited Metab Dis** 1984;7(2):69-71

A mild case of dihydropteridine reductase deficiency with residual activity in erythrocytes. Nakabayashi H, et al. **J Inherited Metab Dis** 1984;7(3):135-6

DHPR deficiency in Italy [letter] Ponzone A, et al. **J Pediatr** 1984 Dec;105(6):1008

Birthweight in patients with defective biopterin metabolism [letter] Smith I, et al. **Lancet** 1985 Apr 6;1(8432):818

Lactic acidosis and mitochondrial myopathy associated with deficiency of several components of complex III of the respiratory chain. Kennaway NG, et al. **Pediatr Res** 1984 Oct;18(10):991-9

Deficiency of electron transfer flavoprotein or electron transfer flavoprotein:ubiquinone oxidoreductase in glutaric acidemia type II fibroblasts. Frerman FE, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4517-20

[Congenital methemoglobinemia with central nervous system damage caused by generalized deficiency of NADH-dependent methemoglobin reductase in a 2-year-old Polish girl] Holtorp-Tyszkiewiczowa J, et al. **Pediatr Pol** 1984 Oct;59(10):865-70 **(Pol)**

GENETICS

Cloning and expression of the transhydrogenase gene of Escherichia coli. Clarke DM, et al. **J Bacteriol** 1985 Apr; 162(1):367-73

Mapping of trxB, a mutation responsible for reduced thioredoxin reductase activity. Haller BL, et al. **J Bacteriol** 1984 Sep;159(3):1060-2

Direct cloning of the trxB gene that encodes thioredoxin reductase. Russel M, et al. **J Bacteriol** 1985 Jul; 163(1):238-42

Molecular cloning and functional analysis of the cysG and nirB genes of Escherichia coli K12, two closely-linked genes required for NADH-dependent nitrite reductase activity. Macdonald H, et al. **MGG** 1985;200(2):328-34

Regulation of the trimethylamine N-oxide (TMAO) reductase in Escherichia coli: analysis of tor::Mud1 operon fusion. Pascal MC, et al. **MGG** 1984;195(1-2):351-5

Nuclear genes coding for four subunits of the yeast ubiquinol-cytochrome c reductase complex are present in single copies in the haploid genome and at least two of these are located on different chromosomes. Van Loon AP, et al. **MGG** 1984;197(2):219-24

Six unidentified reading frames of human mitochondrial DNA encode components of the respiratory-chain NADH dehydrogenase. Chomyn A, et al. **Nature** 1985 Apr 18-24; 314(6012):592-7

DNA-mediated transfer of complex I genes into three different respiration-deficient Chinese hamster mutant cell lines with defects in complex I of electron transport chain. Garnett KE, et al. **Somatic Cell Mol Genet** 1985 Jul; 11(4):345-52

ISOLATION & PURIFICATION

Immunochemical demonstration of the iron-sulfur protein in Complex III of mitochondrial electron-transfer chain. Nishikimi M, et al. **Biochem Int** 1983 Dec;7(6):793-8

Purification of nucleotide-requiring enzymes by immunoaffinity chromatography. Stapleton SR, et al. **Biochem J** 1985 Mar 15;226(3):653-9

NADH-specific dihydropteridine reductase in mastocytoma P-815 cells. Nakanisi N, et al. **Comp Biochem Physiol [B]** 1984;78(3):515-8

Purification and properties of reconstitutively active nicotinamide nucleotide transhydrogenase of Escherichia coli. Clarke DM, et al. **Eur J Biochem** 1985 Jun 18; 149(3):517-23

Immunochemical identification of a two-subunit NADH-ubiquinone oxidoreductase from Paracoccus denitrificans. George CL, et al. **Eur J Biochem** 1984 Sep 17;143(3):567-73

The primary structure of the iron-sulfur subunit of ubiquinol-cytochrome c reductase from Neurospora, determined by cDNA and gene sequencing. Harnisch U, et al. **Eur J Biochem** 1985 May 15;149(1):95-9

NAD(P)H dehydrogenase from rabbit and rat liver: purification and some properties. Wallin R, et al. **Int J Biochem** 1984;16(11):1099-106

Purification and characterization of NADH oxidase from a strain of Leuconostoc mesenteroides. Koike K, et al. **J Biochem (Tokyo)** 1985 May;97(5):1279-88

Characterization of nitrite reductase from a denitrifier, Alcaligenes sp. NCIB 11015. A novel copper protein. Masuko M, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):447-54

Isolation of ubiquinol oxidase from Paracoccus denitrificans and resolution into cytochrome bc1 and cytochrome c-aa3 complexes. Berry EA, et al. **J Biol Chem** 1985 Feb 25; 260(4):2458-67

The iron-sulfur protein of cytochrome bc1 complex. Its occurrence in the mitochondrial inner membrane in excess of the amount constituting the complex. Nishikimi M, et al. **J Biol Chem** 1985 Sep 5;260(19):10398-401

Isolation and reconstitution of the iron-sulfur protein in ubiquinol-cytochrome c oxidoreductase complex. Phospholipids are essential for the integration of the iron-sulfur protein in the complex. Shimomura Y, et al. **J Biol Chem** 1984 Nov 25;259(22):14059-63

Complete amino acid sequence of the ubiquinone binding protein (QP-C), a protein similar to the 14,000-dalton subunit of the yeast ubiquinol-cytochrome c reductase complex. Wakabayashi S, et al. **J Biol Chem** 1985 Jan 10; 260(1):337-43

Respiratory burst oxidase from human neutrophils: purification and some properties. Markert M, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3144-8

Preparation of an affinity chromatographic system for the separation of ADP binding proteins. Bieber E, et al. **Z Naturforsch [C]** 1984 Nov-Dec;39(11-12):1042-7

METABOLISM

Reconstitution 'in vitro' of a formate or NADH dependent nitrite reductase activity starting from cytochrome c552 and membrane vesicles from Escherichia coli K-12. Sánchez-Crispín JA, et al. **Acta Cient Venez** 1984; 35(5-6):350-5

Temporal changes after death in primate diaphragm muscle oxidative enzyme activity. Maxwell LC, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1147-51

Isolation and sequencing of an active-site peptide from spinach ferredoxin-NADP+ oxidoreductase after affinity labeling with periodate-oxidized NADP+. Chan RL, et al. **Arch Biochem Biophys** 1985 Jul;240(1):172-7

Functional characterization of the mitochondrial cytochrome b-c1 complex: steady-state kinetics of the monomeric and dimeric forms. Nalecz MJ, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):921-31

Molecular conversion between monomeric and dimeric states of the mitochondrial cytochrome b-c1 complex: isolation of active monomers. Nalecz MJ, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):619-28

Ubisemiquinone is the electron donor for superoxide formation by complex III of heart mitochondria. Turrens JF, et al. **Arch Biochem Biophys** 1985 Mar;237(2):408-14

Identification of the components of a putative cytochrome bc1 complex in Rhodopseudomonas viridis. Wynn RM, et al. **Arch Biochem Biophys** 1985 May 1;238(2):373-7

Dimethylsulphoxide and trimethylamine oxide respiration of Proteus vulgaris. Evidence for a common terminal reductase system. Styrvold OB, et al. **Arch Microbiol** 1984 Nov;140(1):74-8

Chemical modification of carboxyl groups on spinach ferredoxin alters its ability to interact with ferredoxin:NADP reductase. Vieira BJ, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):467-71

NEWARK PUBLIC LIBRAR

Thermodynamic and steady-state-kinetic investigation of the effect of NN'-dicyclohexylcarbodi-imide on H+ translocation by the mitochondrial cytochrome bc1 complex. Brand MD, et al. **Biochem J** 1985 Jan 15; 225(2):407-11

Thermodynamic control of electron flux through mitochondrial cytochrome bc1 complex. Brown GC, et al. **Biochem J** 1985 Jan 15;225(2):399-405

Solubilisation, purification and reconstitution of hepatic microsomal azoreductase activity. Mallett AK, et al. **Biochem Pharmacol** 1985 Feb 1;34(3):337-42

Interaction of purified nicotinamidenucleotide transhydrogenase with dicyclohexylcarbodiimide. Phelps DC, et al. **Biochemistry** 1984 Sep 11;23(19):4475-80

Activation of guinea-pig and bovine neutrophil NADPH oxidase by N,N'-dicyclohexylcarbodiimide. Aviram A, et al. **Biochim Biophys Acta** 1985 Feb 21;844(2):224-32

The effect of N,N'-dicyclohexylcarbodiimide on enzymes of bioenergetic relevance. Azzi A, et al. **Biochim Biophys Acta** 1984 Dec 17;768(3-4):209-26 (155 ref.)

Plasma membrane isolated from astrocytes in primary cultures. Its acceptor oxidoreductase properties. Mersel M, et al. **Biochim Biophys Acta** 1984 Nov 21;778(1):144-54

The synthesis of 15N- and deuterium-substituted, spin-labeled analogues of NAD+ and their use in EPR studies of dehydrogenases. Philipp R, et al. **Biochim Biophys Acta** 1984 Nov 9;790(3):251-8

Antimycin binds to a small subunit of the ubiquinol: cytochrome c oxidoreductase. van Keulen MA, et al. **Biochim Biophys Acta** 1985 Jun 26;808(1):32-8

Role of NADPH:cytochrome c reductase and DT-diaphorase in the biotransformation of mitomycin C1. Keyes SR, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5638-43

Decreased NADH-oxidoreductase activities as an early response in rat liver to the carcinogen 2-acetylaminofluorene. Sun I, et al. **Cancer Res** 1985 Jan; 45(1):157-63

4-Dimethylaminoazobenzenes: carcinogenicities and reductive cleavage by microsomal azo reductase. Lambooy JP, et al. **Chem Biol Interact** 1985 Feb-Apr;53(1-2):107-20

Superoxide radical generation, NADPH oxidase activity, and cytochrome P-450 content of rat liver microsomal fractions in an experimental hyperthyroid state: relation to lipid peroxidation. Fernández V, et al. **Endocrinology** 1985 Aug; 117(2):496-501

Import and processing of cytochrome b-c1 complex subunits in isolated hepatoma ascites cells. Inhibition by Rhodamine 6G. Kolarov J, et al. **Eur J Biochem** 1984 Oct 15; 144(2):387-92

The interaction of mitochondrial transhydrogenase with derivatives of coenzyme A. Kozlov IA, et al. **Eur J Biochem** 1984 Dec 3;145(2):413-6

Immunohistochemical localization of thioredoxin and thioredoxin reductase in adult rats. Rozell B, et al. **Eur J Cell Biol** 1985 Jul;38(1):79-86

Reduction of cytochrome b-561 through the antimycin-sensitive site of the ubiquinol-cytochrome c2 oxidoreductase complex of Rhodopseudomonas sphaeroides. Glaser EG, et al. **FEBS Lett** 1984 Dec 10; 178(2):336-42

Effect of papain digestion on redox-linked proton translocation in b-c1 complex from beef heart reconstituted into liposomes. Lorusso M, et al. **FEBS Lett** 1985 Mar 25; 182(2):370-4

Ubiquinone-5 is reduced by superoxide in the aerobic state by NADPH oxidase of guinea pig macrophages. Nakamura M, et al. **FEBS Lett** 1985 Jul 8;186(2):215-8

Two distinct quinone-modulated modes of antimycin-sensitive cytochrome b reduction in the cytochrome bc1 complex. Robertson DE, et al. **FEBS Lett** 1984 Dec 10;178(2):343-50

Generation of the electrochemical potential of Na+ by the Na+-motive NADH oxidase in inverted membrane vesicles of Vibrio alginolyticus. Tokuda H, et al. **FEBS Lett** 1985 Apr 8;183(1):95-8

Solubilization and reconstitution of the Na+-motive NADH oxidase activity from the marine bacterium Vibrio alginolyticus. Tokuda H. **FEBS Lett** 1984 Oct 15; 176(1):125-8

Cytochemical localization of peroxidase and hydrogen-peroxide-producing NAD(P)H-oxidase in thyroid follicular cells of propylthiouracil-treated rats. Mizukami Y, et al. **Histochemistry** 1985;82(3):263-8

Activation of mouse macrophages causes no change in expression and function of phorbol diesters' receptors, but is accompanied by alterations in the activity and kinetic parameters of NADPH oxidase. Berton G, et al. **Immunology** 1985 Feb;54(2):371-9

Studies of the ferricyanide reductase activities of the mitochondrial reduced nicotinamide adenine dinucleotide-ubiquinone reductase (complex I) utilizing arylazido-beta-alanyl NAD+ and arylazido-beta-alanyl NADP+. Chen S, et al. **J Bioenerg Biomembr** 1985 Feb; 17(1):33-49

A clarification of the effects of DCCD on the electron transfer and antimycin binding of the mitochondrial bc1 complex. Degli Esposti M, et al. **J Bioenerg Biomembr** 1985 Apr;17(2):109-21

Steady-state kinetics of the overall oxidative phosphorylation reaction in heart mitochondria. Evidence for linkage of the energy-yielding and energy-consuming steps by freely diffusible intermediates and for an allosteric mechanism of respiratory control at coupling site 2. Stoner CD. **J Bioenerg Biomembr** 1985 Apr;17(2):85-108

Antimycin-resistant alternate electron pathway to plastocyanin in bovine-heart complex III. Tripathy BC, et al. **J Bioenerg Biomembr** 1985 Jun;17(3):141-50

Electron transfer by ferredoxin:NADP+ reductase. Rapid-reaction evidence for participation of a ternary complex. Batie CJ, et al. **J Biol Chem** 1984 Oct 10; 259(19):11976-85

Activation of the human neutrophil NADPH oxidase results in coupling of electron carrier function between ubiquinone-10 and cytochrome b559. Gabig TG, et al. **J Biol Chem** 1985 Apr 10;260(7):3991-5

The molecular morphology of bovine heart mitochondrial NADH-ubiquinone reductase. Cross-linking with dithiobis(succinimidyl propionate). Gondal JA, et al. **J Biol Chem** 1985 May 25;260(10):5931-5

Ca2+ and Mg2+-enhanced reduction of arsenazo III to its anion free radical metabolite and generation of superoxide anion by an outer mitochondrial membrane azoreductase. Moreno SN, et al. **J Biol Chem** 1984 Dec 10; 259(23):14609-16

Cholesterol side chain cleavage in rat adrenal supported by outer mitochondrial membrane NADH-semidehydroascorbate reductase. Natarajan RD, et al. **J Biol Chem** 1985 Apr 10;260(7):3902-5

Kinetics of reduction of Clostridium pasteurianum rubredoxin by laser photoreduced spinach ferredoxin:NADP+ reductase and free flavins. Electron transfer within a protein-protein complex. Przysiecki CT, et al. **J Biol Chem** 1985 Feb 10;260(3):1452-8

Identification of the binding site on cytochrome c1 for cytochrome c. Stonehuerner J, et al. **J Biol Chem** 1985 May 10;260(9):5392-8

Complex I binds several mitochondrial NAD-coupled dehydrogenases. Sumegi B, et al. **J Biol Chem** 1984 Dec 25;259(24):15040-5

Enhancement by Ca2+ or Mg2+ of catalytic activity of the superoxide-producing NADPH oxidase in membrane fractions of human neutrophils and monocytes. Suzuki H, et al. **J Biol Chem** 1985 Mar 25;260(6):3635-9

Proposed structure for the noncovalently associated heme prosthetic group of dissimilatory nitrite reductases. Configuration of substituents of acrylochlorin. Timkovich R, et al. **J Biol Chem** 1984 Dec 25;259(24):15089-93

Interaction and identification of ubiquinone-binding proteins in ubiquinol-cytochrome c reductase by azido-ubiquinone derivatives. Yu L, et al. **J Biol Chem** 1985 Jan 25; 260(2):963-73

Phorbol myristate acetate mediates redistribution of protein kinase C in human neutrophils: potential role in the activation of the respiratory burst enzyme. Wolfson M, et al. **J Immunol** 1985 Sep;135(3):2057-62

Enzymatic reduction of synthetic polymer-bound hemin derivatives: efficient method to prepare a heme-oxygen adduct in cooled aqueous medium. Uotani N, et al. **J Inorg Biochem** 1984 Oct;22(2):85-9

The solubilization of a SHAM sensitive, cyanide insensitive ubiquinol oxidase from Trypanosoma brucei. Tielens AG, et al. **J Parasitol** 1985 Jun;71(3):384-6

Enzymatic reduction-oxidation of protein disulfides by thioredoxin. Holmgren A. **Methods Enzymol** 1984; 107:295-300

Modified immunodiffusion and peroxidase staining methods to detect Escherichia coli nitrite reductase and other sirohaem-containing proteins. Tang ZJ, et al. **Microbios** 1984;40(161-162):153-60

Lactobacillus feeding alters human colonic bacterial enzyme activities. **Nutr Rev** 1984 Nov;42(11):374-6

[Interaction in vitro of nicotinamide and diethylnicotinamid (cordiamine) with enzymes of the liver microsomal hydoxylating system in the rat] Bushma MI, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):97-100 (Eng. Abstr.) **(Rus)**

[Characteristic features of the function of the NAD+- and NADP+-dehydrogenase systems in the milk of cows with different levels of milk production] Kolianongo FD, et al. **Ukr Biokhim Zh** 1984 Jul-Aug;56(4):399-403 (Eng. Abstr.) **(Rus)**

[Qualitative and quantitative features of the enzymatic production of superoxide radicals by the intracellular membranes of tumors] Peskin AV, et al. **Vestn Akad Med Nauk SSSR** 1984;(8):32-5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Methemoglobinemia. Mansouri A. **Am J Med Sci** 1985 May; 289(5):200-9

Prominent role of DT-diaphorase as a cellular mechanism reducing chromium(VI) and reverting its mutagenicity. De Flora S, et al. **Cancer Res** 1985 Jul;45(7):3188-96

Independent lateral diffusion of cytochrome bc1 complex and cytochrome oxidase in the mitochondrial inner membrane. Höchli M, et al. **Eur J Cell Biol** 1985 Jul;38(1):1-5

[Qualitative and quantitative features of the enzymatic production of superoxide radicals by the intracellular membranes of tumors] Peskin AV, et al. **Vestn Akad Med Nauk SSSR** 1984;(8):32-5 (Eng. Abstr.) **(Rus)**

NADH TETRAZOLIUM REDUCTASE see under **NADH, NADPH OXIDOREDUCTASES**

NADP

Chlorination of NADH: similarities of the HOCl-supported and chloroperoxidase-catalyzed reactions. Griffin BW, et al. **Arch Biochem Biophys** 1985 May 15;239(1):305-9

The influence of methanol on the interactions of calcium with the pyridine nucleotides. Burkhard RK. **Biophys Chem** 1985 Jan;21(1):15-9

Stereospecificity for nicotinamide nucleotides in enzymatic and chemical hydride transfer reactions. You KS. **CRC Crit Rev Biochem** 1985;17(4):313-451 (291 ref.)

The NADP+-binding site of ferredoxin-NADP+ reductase. Sequence of the peptide containing the essential lysine residue. Cidaria D, et al. **Eur J Biochem** 1985 Jan 15;146(2):295-9

Glucose-6-phosphate dehydrogenase. A transferred nuclear Overhauser enhancement study of NADP+ conformations in enzyme-coenzyme binary complexes. Gronenborn AM, et al. **Eur J Biochem** 1984 Dec 3;145(2):365-71

Synthesis of poly(ethylene glycol)-bound NADP by selective modification at the 6-amino group of NADP. Okuda K, et al. **Eur J Biochem** 1985 Aug 15;151(1):33-8

NADPH oxidation catalyzed by the peroxidase/H2O2 system. Iodide-mediated oxidation of NADPH to iodinated NADP. Virion A, et al. **Eur J Biochem** 1985 Apr 15; 148(2):239-43

Phosphorus-31 nuclear magnetic resonance and electronic spectroscopic studies of adrenodoxin reductase and its binary complex with NADP+. Nonaka Y, et al. **J Biochem (Tokyo)** 1985 May;97(5):1263-71

ANALOGS & DERIVATIVES

Isolation and sequencing of an active-site peptide from spinach ferredoxin-NADP+ oxidoreductase after affinity labeling with periodate-oxidized NADP+. Chan RL, et al. **Arch Biochem Biophys** 1985 Jul;240(1):172-7

Preparation and characterization of NADP derivatives alkylated at 2'-phosphate and 6-amino groups. Okuda K, et al. **Eur J Biochem** 1985 Mar 1;147(2):241-7

Coenzymic activity of NADP derivatives alkylated at 2'-phosphate and 6-amino groups. Okuda K, et al. **Eur J Biochem** 1985 Mar 1;147(2):249-53

Studies of the ferricyanide reductase activities of the mitochondrial reduced nicotinamide adenine dinucleotide-ubiquinone reductase (complex I) utilizing arylazido-beta-alanyl NAD+ and arylazido-beta-alanyl NADP+. Chen S, et al. **J Bioenerg Biomembr** 1985 Feb; 17(1):33-49

ANALYSIS

Pyridine nucleotides in normal and cataractous human lenses. Stewart A, et al. **Exp Eye Res** 1984 Sep;39(3):307-15

[Modified determination of reduced nicotinamide coenzymes] Varnakova GM. **Lab Delo** 1985;(2):103-5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Influence of starvation/refeeding transition on lipogenesis and NADPH producing systems in adipose tissue, mammary gland and liver at mid-lactation. Careche M, et al. **Horm Metab Res** 1985 May;17(5):226-9

Co-localization of superoxide generation and NADP formation in plasma membrane fractions from human neutrophils. Shirley PS, et al. **Inflammation** 1984 Sep; 8(3):323-35

BLOOD

Simultaneous extraction and reverse-phase high-performance liquid chromatographic determination of adenine and pyridine nucleotides in human red blood cells. Stocchi V, et al. **Anal Biochem** 1985 Apr; 146(1):118-24

Dependence of arachidonic acid (AA) metabolization in human blood platelets on reduced coenzymes. Lösche W, et al. **Biomed Biochim Acta** 1984;43(8-9):S362-5

ISOLATION & PURIFICATION

High-performance ion-exchange separation of oxidized and reduced nicotinamide adenine dinucleotides. Orr GA, et al. **Anal Biochem** 1984 Oct;142(1):232-4

METABOLISM

The pentose phosphate cycle is regulated by NADPH/NADP ratio in rat liver. Fabregat I, et al. **Arch Biochem Biophys** 1985 Jan;236(1):110-8

Regioselectivity of hydroxylation of prostaglandins by liver microsomes supported by NADPH versus H2O2 in methylcholanthrene-treated and control rats: formation of novel prostaglandin metabolites. Holm KA, et al. **Arch Biochem Biophys** 1985 Mar;237(2):477-89

Studies on the activation of the heme-stabilized translational inhibitor of reticulocyte lysates by oxidized glutathione and NADPH depletion. Palomo C, et al. **Arch Biochem Biophys** 1985 Jun;239(2):497-507

Oxygenic photoreduction of methyl viologen and nicotinamide adenine dinucleotide phosphate without the involvement of photosystem I during plastid development. Daniell H, et al. **Biochem Biophys Res Commun** 1985 Feb

15;126(3):1114–21

Formation of N tau-ribosylhistidine, a novel histidine derivative found in the urine in histidinemia, from histidine and NAD(P)+ catalyzed by an NAD(P)+ glycohydrolase system. Imamura I, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):501–7

Recognition site of yeast glutathione reductase for 2'-phosphate of NADP+. Tsai CS. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):572–7

Stereospecific incorporation of hydrogens from NADPH in elongation of very long fatty acyl-CoA by swine cerebral microsomes. Yoshida S, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):322–8

The NADP binding site on rabbit muscle aldolase. Matteuzzi M, et al. **Biochem Int** 1985 Jan;10(1):53–62

Mechanism of the superoxide-producing oxidase of neutrophils. O2 is necessary for the fast reduction of cytochrome b-245 by NADPH. Cross AR, et al. **Biochem J** 1985 Mar 15;226(3):881–4

The mechanism of inhibition by 2,2'-pyridylisatogen tosylate of NADPH-linked enzyme activities in microsomes isolated from rat liver. Cameron I, et al. **Biochem Pharmacol** 1985 Aug 15;34(16):2847–52

Multinuclear NMR characterization of two coexisting conformational states of the Lactobacillus casei dihydrofolate reductase-trimethoprim-NADP+ complex. Birdsall B, et al. **Biochemistry** 1984 Sep 25;23(20):4733–42

Spectroscopic studies of the interactions of coenzymes and coenzyme fragments with pig heart, oxidized triphosphopyridine nucleotide specific isocitrate dehydrogenase. Mas MT, et al. **Biochemistry** 1985 Mar 26; 24(7):1634–46

Flavins of NADPH-cytochrome P-450 reductase: evidence for structural alteration of flavins in their one-electron-reduced semiquinone states from resonance Raman spectroscopy. Sugiyama T, et al. **Biochemistry** 1985 Jun 4;24(12):3012–9

Kinetic isotope effects on the oxidation of reduced nicotinamide adenine dinucleotide phosphate by the flavoprotein methylenetetrahydrofolate reductase. Vanoni MA, et al. **Biochemistry** 1984 Oct 23;23(22):5272–9

Aldose reductase, NADPH and NADP+ in normal, galactose-fed and diabetic rat lens. Lee SM, et al. **Biochim Biophys Acta** 1985 Sep 6;841(3):247–53

Activation-associated alterations in neutrophil pyridine nucleotide levels: a potential regulatory role for calcium and calmodulin. Sparkman TB, et al. **Biochim Biophys Acta** 1985 Jul 30;846(1):8–13

NADP redox state and mitochondrial Ca2+ efflux: a controversial issue. Vercesi AE, et al. **Braz J Med Biol Res** 1984;17(3–4):353–6

Chiral products from non-pyridine nucleotide-dependent reductases and methods for NAD(P)H regeneration. Simon H, et al. **Ciba Found Symp** 1985;111:97–111

Cytoplasmic NADP-linked dehydrogenase activities in avian tissues. Pearson DJ, et al. **Comp Biochem Physiol [B]** 1985; 81(3):727–31

Mechanism of rate control of the NADPH-dependent reduction of cytochrome P-450 by lipids in reconstituted phospholipid vesicles. Blanck J, et al. **Eur J Biochem** 1984 Nov 2;144(3):509–13

Purification and properties of NADH/NADPH-dependent p-hydroxybenzoate hydroxylase from Corynebacterium cyclohexanicum. Fujii T, et al. **Eur J Biochem** 1985 Feb 15;147(1):97–104

NADPH oxidation catalyzed by the peroxidase/H2O2 system. Guaiacol-mediated and scopoletin-mediated oxidation of NADPH to NADPH+. Michot JL, et al. **Eur J Biochem** 1985 May 2;148(3):441–5

Kinetics and thermodynamics of diacetyl reduction with NADPH by alpha-dicarbonyl reductase from pigeon liver. Bernardo A, et al. **Int J Biochem** 1985;17(2):265–9

Changes of the NADP-linked malic enzyme in the developing rat skeletal muscle. Zelewski M, et al. **Int J Biochem** 1985;17(3):387–92

Nucleotide sequence of yeast GDH1 encoding nicotinamide adenine dinucleotide phosphate-dependent glutamate dehydrogenase. Moye WS, et al. **J Biol Chem** 1985 Jul 15;260(14):8502–8

The reaction between NADPH and mercuric reductase from Pseudomonas aeruginosa. Sahlman L, et al. **J Biol Chem** 1984 Oct 25;259(20):12403–8

The C-6 proton of tetrahydrobiopterin is acquired from water, not NADPH, during de novo biosynthesis. Smith GK, et al. **J Biol Chem** 1985 May 10;260(9):5221–4

Formation of hydroxyl radicals from NADH and NADPH in the presence of copper salts. Rowley DA, et al. **J Inorg Biochem** 1985 Feb;23(2):103–8

Effect of plasma levels of parathyroid hormone on NADPH pathways in kidney and liver. Bachelet M, et al. **Kidney Int** 1985 Feb;27(2):401–4

Relation between thyroid peroxidase, H2O2 generating system and NADPH-dependent reductase activities in thyroid particulate fractions. Michot JL, et al. **Mol Cell Endocrinol** 1985 Jul;41(2–3):211–21

NADPH-generating system: influence on microsomal mono-oxygenase stability during incubation for the liver-microsomal assay with rat and mouse S9 fractions. Forti GC, et al. **Mutat Res** 1984 Dec;129(3):281–97

Late-presenting variant of chronic granulomatous disease. Styrt B, et al. **Pediatr Infect Dis** 1984 Nov–Dec;3(6):556–9

The effect of 3-methylindole on superoxide and hydrogen peroxide production and NADPH oxidation by goat lung microsomes. Laegreid WW, et al. **Res Commun Chem Pathol Pharmacol** 1985 Mar; 47(3):387–97

[Effect of multiple applications of heavy metal salts on NADPH-dependent lipid peroxidation] Kadilska M, et al. **Eksp Med Morfol** 1984;23(3):123–6 (Eng. Abstr.) **(Bul)**

[Fluorescence decay curves under pulsed excitation: distinction between free and bound NAD(P)H on isolated living cells] Vigo J, et al. **C R Acad Sci [III]** 1984; 299(12):489–94 (Eng. Abstr.) **(Fre)**

[Nicotinamide coenzyme content in the normal and regenerating liver of rats] Pasos F, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):432–4 (Eng. Abstr.) **(Rus)**

[Effect of tuftsin, a neuropeptide and its derivatives on the content of nicotinamide coenzymes and the activity of cytochrome- c-oxidase of brain tissue] Begam R. **Ukr Biokhim Zh** 1985 Mar–Apr;57(2):82–4 (Eng. Abstr.) **(Rus)**

[Nicotinamide nucleotides as factors of lipogenesis regulation] Velikiĭ NN. **Ukr Biokhim Zh** 1984 Jul–Aug; 56(4):369–83 (Eng. Abstr.) **(Rus)**

[Nicotinamide coenzyme regulation of the sorbitol pathway of glucose metabolism in the aorta of rats with streptozotocin diabetes] Obrosova IG, et al. **Vopr Med Khim** 1985 Mar–Apr;31(2):125–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Different efficiency of various synthetic antioxidants towards NADPH induced chemiluminescence in rat liver microsomes. Weimann A, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1033–8

Comparison of cumene hydroperoxide- and NADPH/Fe3+/ADP-induced lipid peroxidation in heart and liver submitochondrial particles. Mechanisms of protection by succinate. Cavallini L, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):466–72

Actions of adenine dinucleotides in the guinea-pig taenia coli: NAD acts indirectly on P1-purinoceptors; NADP acts like a P2-purinoceptor agonist. Burnstock G, et al. **Br J Pharmacol** 1985 Apr;84(4):825–31

Chemical modification of the active site of the NADP-linked glutamate dehydrogenase from Trypanosoma cruzi. Orellano EG, et al. **Comp Biochem Physiol [B]** 1985; 80(3):563–8

NADPH-dependent generation of H2O2 in a thyroid particulate fraction requires Ca2+. Deme D, et al. **FEBS Lett** 1985 Jul 1;186(1):107–10

Substrate specificity of three prostaglandin dehydrogenases. Jarabak J, et al. **Prostaglandins** 1983 Dec;26(6):849–68

PHYSIOLOGY

The role of iron in the NADPH-dependent lipid peroxidation due to glutathione depletion by phorone. Younes M, et al. **Pharmacol Res Commun** 1984 Feb;16(2):153–60

Modulatory mechanisms of chemical carcinogenesis: the role of the NADPH pool in the benzo(a)pyrene activation. Feo F, et al. **Toxicol Pathol** 1984;12(3):261–8

NADP TRANSHYDROGENASE see under **NADH, NADPH OXIDOREDUCTASES**

NADPH CYTOCHROME C REDUCTASE

ANALYSIS

Amino acid sequence of COOH-terminal 20K Da fragment from pig liver microsomal NADPH-cytochrome P-450 reductase. Haniu M, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):94–8

The interaction between two forms of cytochrome P-450 during drug oxidation in the reconstituted system containing limited amount of NADPH-cytochrome P-450 reductase. Kitada M, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):3971–6

Localization of a cytochrome P-450 isozyme (cytochrome P-450 PB-B) and NADPH-cytochrome P-450 reductase in rat nasal mucosa. Voigt JM, et al. **Cancer Lett** 1985 Jul; 27(3):241–7

Immunohistochemical localization of cytochrome P-450 and reduced nicotinamide adenine dinucleotide phosphate:cytochrome P-450 reductase in the rat ventral prostate. Haaparanta T, et al. **Cancer Res** 1985 Mar; 45(3):1259–62

Structural analysis of NADPH-cytochrome P-450 reductase from porcine hepatic microsomes. Sequences of proteolytic fragments, cysteine-containing peptides, and a NADPH-protected cysteine peptide. Haniu M, et al. **J Biol Chem** 1984 Nov 25;259(22):13703–11

ANTAGONISTS & INHIBITORS

Selective inactivation of rat lung and liver microsomal NADPH-cytochrome c reductase by acrolein. Patel JM, et al. **Drug Metab Dispos** 1984 Jul–Aug;12(4):460–3

Inhibition of aromatase and NADPH cytochrome c reductase activities in human endometrium by the human placental NADPH cytochrome c reductase antiserum. Tseng L, et al. **J Steroid Biochem** 1985 Apr;22(4):555–7

BIOSYNTHESIS

Ethoxy-, pentoxy- and benzyloxyphenoxazones and homologues: a series of substrates to distinguish between different induced cytochromes P-450. Burke MD, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3337–45

Regulation of aromatase activity of rat granulosa cells: induction of synthesis of NADPH-cytochrome P-450 reductase by FSH and dibutyryl cyclic AMP. Durham CR, et al. **Mol Cell Endocrinol** 1985 May;40(2–3):211–9

BLOOD

Purification and characterization of a membrane-bound NADPH-cytochrome c reductase capable of catalyzing menadione-dependent O2- formation in guinea pig polymorphonuclear leukocytes. Sakane F, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):671–8

GENETICS

Chromosomal assignments of genes coding for components of the mixed-function oxidase system in mice. Genetic localization of the cytochrome P-450PCN and P-450PB gene families and the nadph-cytochrome P-450 oxidoreductase and epoxide hydratase genes. Simmons DL, et al. **J Biol Chem** 1985 Jan 10;260(1):515–21

Coding nucleotide sequence of rat NADPH-cytochrome P-450 oxidoreductase cDNA and identification of flavin-binding domains. Porter TD, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):973–7

ISOLATION & PURIFICATION

A cytosolic FAD-containing enzyme catalyzing cytochrome c reduction in Trypanosoma cruzi. I. Purification and some properties. Kuwahara T, et al. **Arch Biochem Biophys** 1985 May 15;239(1):18–28

Purification of NADPH-cytochrome c reductase from swine testis microsomes by chromatofocusing and characterization of the purified reductase. Kuwada M, et al. **Biochim Biophys Acta** 1985 Jul 18;830(1):45–51

METABOLISM

Methene bridge carbon atom elimination in oxidative heme degradation catalyzed by heme oxygenase and NADPH-cytochrome P-450 reductase. Docherty JC, et al. **Arch Biochem Biophys** 1984 Dec;235(2):657–64

A cytosolic flavin-containing enzyme catalyzing reduction of cytochrome c in Trypanosoma cruzi: kinetic studies with cytochrome c as substrate. Kuwahara T, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):45–9

The association of cytochrome P-450 and NADPH-cytochrome P-450 reductase in phospholipid membranes. Miwa GT, et al. **Arch Biochem Biophys** 1984 Oct;234(1):161–6

NADPH-cytochrome P-450 reductase-cytochrome b5 interactions: crosslinking of the phospholipid vesicle-associated proteins by a water-soluble carbodiimide. Nisimoto Y, et al. **Arch Biochem Biophys** 1985 Sep;241(2):386–96

Turnover of membrane proteins: kinetics of induction and degradation of seven forms of rat liver microsomal cytochrome P-450, NADPH-cytochrome P-450 reductase, and epoxide hydrolase. Shiraki H, et al. **Arch Biochem Biophys** 1984 Nov 15;235(1):86–96

Regulation of synthesis and activity of bovine adrenocortical NADPH-cytochrome P-450 reductase by ACTH. Dee A, et al. **Biochem Biophys Res Commun** 1985 Apr 30; 128(2):650–6

Membrane bound cytochrome P-450 determines the optimal temperatures of NADPH-cytochrome P-450 reductase and cytochrome P-450-linked monooxygenase reactions in rat and trout hepatic microsomes. Gurumurthy P, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):571–7

NAD (P) H-dependent reduction of nicotinamide N-oxide by an unique enzyme system consisting of liver microsomal NADPH-cytochrome C reductase and cytosolic aldehyde oxidase. Kitamura S, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1117–22

NADPH-cytochrome c reductases of Trypanosoma cruzi. Kuwahara T, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):121–4

Enhanced production of ethylene from methional by iron chelates and heme containing proteins in the system consisting of quinone compounds and NADPH-cytochrome P-450 reductase. Komiyama T, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):977–83

Oxy radical formation during redox cycling of the bleomycin-iron (III) complex by NADPH-cytochrome P-450 reductase. Mahmutoglu I, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3091–4

Separation, partial purification and characterization of cytochrome P-450 having different affinities for NADPH-cytochrome P-450 reductase from rat liver microsomes. Ohmori S, et al. **Biochem Pharmacol** 1985 May 15;34(10):1846–9

Decreased lipid order induced by microsomal cytochrome P-450 and NADPH-cytochrome P-450 reductase in model membranes: fluorescence and electron spin resonance studies. Kunz BC, et al. **Biochemistry** 1985 Jun 4; 24(12):2889–95

Characterization of the enzymatic and nonenzymatic peroxidative degradation of iron porphyrins and cytochrome P-450 heme. Schaefer WH, et al. **Biochemistry** 1985 Jun 18;24(13):3254-63

Flavins of NADPH-cytochrome P-450 reductase: evidence for structural alteration of flavins in their one-electron-reduced semiquinone states from resonance Raman spectroscopy. Sugiyama T, et al. **Biochemistry** 1985 Jun 4;24(12):3012-9

Importance of Fe2+-ADP and the relative unimportance of OH in the mechanism of mitomycin C-induced lipid peroxidation. Nakano H, et al. **Biochim Biophys Acta** 1984 Dec 6;796(3):285-93

NADPH-cytochrome P-450 reductase (pig liver). Studies on the sequence of the cyanogen bromide peptides from the catalytic domain and on the reactivity of the thiol groups. Vogel F, et al. **Biol Chem Hoppe Seyler** 1985 Jun; 366(6):577-87

Role of NADPH:cytochrome c reductase and DT-diaphorase in the biotransformation of mitomycin C1. Keyes SR, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5638-43

Renal reduced nicotinamide adenine dinucleotide phosphate:cytochrome c reductase-mediated metabolism of the carcinogen N-[4-(5-nitro-2-furyl)-2-thiazolyl]acetamide. Mattammal MB, et al. **Cancer Res** 1985 Jan;45(1):149-56

Comparison of the immunochemical responses by anti-NADPH-cytochrome c reductase of Tetrahymena pyriformis (strain NT-1) in protozoan cells and mammalian liver microsomes. Fukushima H, et al. **Comp Biochem Physiol [B]** 1985;80(4):817-9

Comparison of in vitro effects of cadmium and nickel on the components of the liver microsomal drug metabolizing enzyme system of the guinea-pig. Işcan M. **Comp Biochem Physiol [C]** 1985;81(1):155-8

Cytochrome P-450 isozyme/isozyme functional interactions and NADPH-cytochrome P-450 reductase concentrations as factors in microsomal metabolism of warfarin. Kaminsky LS, et al. **Eur J Biochem** 1985 Jun 18;149(3):479-89

Effects of oral contraceptive steroids (norethisterone/mestranol) on the activities of hepatic drug-metabolizing enzymes in iron-deficient anemic rats. Mizokami K, et al. **Experientia** 1985 Jun 15;41(6):734-6

Relationship between changes in properties and contents of riboflavin derivatives of NADPH-cytochrome P-450 reductase in the liver microsomes of riboflavin-deficient rats. Hara T, et al. **J Biochem (Tokyo)** 1985 Feb; 97(2):473-82

The effect of galactosamine on rat liver cytochrome P-450 activities. Murase T, et al. **Jpn J Pharmacol** 1985 Feb; 37(2):151-8

Biological activity of phenolic compounds. Hepatic cytochrome P-450, cytochrome b5, and NADPH cytochrome c reductase in chicks and rats fed phenolic monomers, polymers, and glycosides. Klasing SA, et al. **Proc Soc Exp Biol Med** 1985 Sep;179(4):529-38

[Kinetic properties of nicotinamide adenine dinucleotide phosphate-cytochrome P-450 reductase from porcine adrenal microsomes] Nakajin S, et al. **Yakugaku Zasshi** 1985 Jan;105(1):47-52 (Eng. Abstr.) **(Jpn)**

[Catalytic activity of cytochrome P-448 in native and reconstituted microsomal membranes] Grishanova AIu, et al. **Biokhimiia** 1984 Aug;49(8):1343-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Bleomycin may be activated for DNA cleavage by NADPH-cytochrome P-450 reductase. Kilkuskie RE, et al. **Biochemistry** 1984 Dec 4;23(25):6165-71

NADPH CYTOCHROME P-450 REDUCTASE see **NADPH CYTOCHROME C REDUCTASE**

NADPH DEHYDROGENASE see under **NADH, NADPH OXIDOREDUCTASES**

NAFCILLIN

ADMINISTRATION & DOSAGE

Precipitation of verapamil with nafcillin [letter] Tucker R, et al. **Am J Hosp Pharm** 1984 Dec;41(12):2588

ADVERSE EFFECTS

Acute interstitial nephritis associated with mezlocillin, nafcillin, and gentamicin treatment for Pseudomonas infection. Cushner HM, et al. **Arch Intern Med** 1985 Jul; 145(7):1204-7

THERAPEUTIC USE

Cefotaxime and nafcillin-tobramycin [letter] Berk SL. **Ann Intern Med** 1985 Feb;102(2):275-6

NAFENOPIN see under **PROPIONATES**

NAFOXIDINE see under **PYRROLIDINES**

NAFRONYL see under **FURANS**

NAGANA see under **TRYPANOSOMIASIS, AFRICAN**

NAIL BITING

COMPLICATIONS

Nailbiting: frequency and association with root resorption during orthodontic treatment. Odenrick L, et al. **Br J Orthod** 1985 Apr;12(2):78-81

THERAPY

[Onychophagia] Hankiewicz J. **Wiad Lek** 1985 Mar 15; 38(6):461-5 **(Pol)**

NAIL DISEASES

Yellow nail syndrome. Monk B. **Int J Dermatol** 1985 Jan-Feb;24(1):56

Subungual scabies [letter] Scher RK. **J Am Acad Dermatol** 1985 Mar;12(3):577-8

CHEMICALLY INDUCED

Melanonychia induced by topical 5-fluorouracil. Baran R, et al. **Br J Dermatol** 1985 May;112(5):621-5

Onycholysis associated with cytotoxic drugs. Cunningham D, et al. **Br Med J [Clin Res]** 1985 Mar 2;290(6469):675-6

Minocycline hyperpigmentation: skin, tooth, nail, and bone involvement. Wolfe ID, et al. **Cutis** 1984 May;33(5):457-8

Trazodone-induced hepatotoxicity and leukonychia [letter] Longstreth GF, et al. **J Am Acad Dermatol** 1985 Jul; 13(1):149-50

8-methoxypsoralen-induced photo-onycholysis. Balato N, et al. **Photodermatol** 1984 Aug;1(4):202-3

[Onychodystrophy induced by intralesional injection of bleomycin for periungual wart] Baran R. **Ann Dermatol Venereol** 1985;112(5):463-4 **(Fre)**

CLASSIFICATION

Twenty-nail dystrophy of childhood: a reappraisal. Kechijian P. **Cutis** 1985 Jan;35(1):38-41 (18 ref.)

Idiopathic leukonychia totalis and partialis [letter] Stewart L, et al. **J Am Acad Dermatol** 1985 Jul;13(1):157-8

COMPLICATIONS

Dyskeratosis congenita with pancytopenia. Dodd HJ, et al. **Clin Exp Dermatol** 1985 Jan;10(1):73-8

Association of pili torti and leukonychia. Giustina TA, et al. **Cutis** 1985 Jun;35(6):533-4

Pleural effusion and recurrent broncho-pneumonia with lymphedema, yellow nails and protein-losing enteropathy. Battaglia A, et al. **Eur J Respir Dis** 1985 Jan;66(1):65-9

Upper lobe bronchiectasis in the yellow nail syndrome: report of a case. McNicholas WT, et al. **Ir J Med Sci** 1984 Nov; 153(11):394-5

CONGENITAL

Pachyonychia congenita. Electron microscopic and epidermal glycoprotein assessment before and during isotretinoin treatment. Thomas DR, et al. **Arch Dermatol** 1984 Nov;120(11):1475-9

Lymphoedema of the eyelids in the yellow nail syndrome. Maisels DO, et al. **Br J Plast Surg** 1985 Jan;38(1):93-6

DIAGNOSIS

Subungual malignant melanoma: a review article. Briggs JC. **Br J Plast Surg** 1985 Apr;38(2):174-6 (23 ref.)

Subungual squamous cell carcinoma. Lumpkin LR 3d, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 2):735-8

Yellow nail syndrome. Pavlidakey GP, et al. **J Am Acad Dermatol** 1984 Sep;11(3):509-12

Cronkhite-Canada syndrome. Freeman K, et al. **J R Soc Med** 1984;77 Suppl 4:4-5

[Subungual glomus tumor. Apropos of a case] Priollet P, et al. **Rev Med Interne** 1985 Mar;6(2):121-5 (Eng. Abstr.) **(Fre)**

[Periungual and subungual fibromas] Sheklakov ND, et al. **Vestn Dermatol Venerol** 1985 Feb;(2):25-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

The nails in keratosis lichenoides chronica. Characteristics and response to treatment. Baran R, et al. **Arch Dermatol** 1984 Nov;120(11):1471-4

Hair and fingernail changes in acquired and congenital pernicious anemia. Carmel R. **Arch Intern Med** 1985 Mar; 145(3):484-5

Nailfold retraction due to burn wound contracture. A surgical procedure. Alsbjörn BF, et al. **Burns Incl Therm Inj** 1985 Feb;11(3):166-7

Caring of the nails and anticancer treatment [letter] Gutjahr P, et al. **Eur J Pediatr** 1984 Nov;143(1):74

Onycholysis of the fingernails: evaluation and management. Kechijian P. **J Am Acad Dermatol** 1985 Mar;12(3):552-60 (47 ref.)

Subungual melanoma following a single injury. Roberts AH. **J Hand Surg [Br]** 1984 Oct;9(3):328-30

Leukonychia partialis in Kawasaki disease [letter] Iosub S, et al. **J Infect Dis** 1984 Oct;150(4):617-8

Blindness, anonychia, and oral mucosal scarring as sequelae of the Stevens-Johnson syndrome. Hansen RC. **Pediatr Dermatol** 1984 Apr;1(4):298-300

[Yellow-nail syndrome. Review of the literature apropos of 2 cases associated with cancer] Levillain C, et al. **Ann Med Interne (Paris)** 1984;135(6):440-3 (Eng. Abstr.) **(Fre)**

[Nail dyschromia as the leading symptom in chronic mercury poisoning caused by a cosmetic bleaching preparation] Böckers M, et al. **Z Hautkr** 1985 May 15;60(10):821-9 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Dyskeratosis congenita with macular cutaneous amyloid deposits. Llistosella E, et al. **Arch Dermatol** 1984 Oct; 120(10):1381-2

Pachyonychia congenita. Sivasundram A, et al. **Int J Dermatol** 1985 Apr;24(3):179-80

Pachyonychia congenita with patent ductus arteriosus [letter] Nigam P, et al. **J Dermatol (Tokyo)** 1984 Jun;11(3):305-7

[Familial case of Jadassohn-Lewandowski syndrome] Divanian RS, et al. **Vestn Dermatol Venerol** 1984 Nov; (11):47-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Nail mycoses of opportunistic type] Zaror L, et al. **Rev Clin Esp** 1984 Jun 15-30;173(5-6):315-6 **(Spa)**

PATHOLOGY

Biopsy technique for longitudinal streaks of pigmentation in nails. A preliminary report. Kopf AW, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:309-12

Pterygium formation due to sarcoidosis. Kalb RE, et al. **Arch Dermatol** 1985 Feb;121(2):276-7

Subungual melanoma. A clinicopathologic study of 16 Japanese cases. Takematsu H, et al. **Cancer** 1985 Jun 1; 55(11):2725-31

Subungual lentigo maligna. Clouse WE, et al. **Cutis** 1985 Aug; 36(2):153-5

Reiter's syndrome with nail involvement: is it psoriasis? Ingram GJ, et al. **Cutis** 1985 Jul;36(1):37-40

Metastasis of pulmonary carcinoma to the nail unit. Kegel MF, et al. **Cutis** 1985 Feb;35(2):121-2, 124

Shoreline nails: sign of drug-induced erythroderma. Shelley WB, et al. **Cutis** 1985 Mar;35(3):220-2, 224

Cronkhite Canada syndrome: a new hypothesis. Freeman K, et al. **Gut** 1985 May;26(5):531-6

The Cronkhite-Canada syndrome: an ultrastructural study of pathogenesis. Jenkins D, et al. **J Clin Pathol** 1985 Mar; 38(3):271-6

Subungual osteocartilaginous exostosis. Woo TY, et al. **J Dermatol Surg Oncol** 1985 May;11(5):534-6

Recurrent malignant melanoma following a 46-year disease-free interval [letter] Rosenkranz L, et al. **NY State J Med** 1985 Mar;85(3):95

Subungual osteochondroma. Hodgkinson DJ. **Plast Reconstr Surg** 1984 Dec;74(6):833-4

[Lateral nail-pad of the big toe in infants. Apropos of 2 cases] Martinet C, et al. **Ann Dermatol Venereol** 1984;111(8):731-2 **(Fre)**

RADIOGRAPHY

Subungual keratoacanthoma. Levy DW, et al. **Skeletal Radiol** 1985;13(4):287-90

SURGERY

Subungual glomus tumors. Value of the direct dorsal approach. Heim U, et al. **Ann Chir Main** 1985;4(1):51-4 (Eng. Abstr.) **(Eng, Fre)**

Efficacy of the carbon dioxide laser in hand surgery. Apfelberg DB, et al. **Ann Plast Surg** 1984 Oct;13(4):320-6

Anaesthesia for surgery in a patient with a transplanted heart. Bricker SR, et al. **Br J Anaesth** 1985 Jun;57(6):634-7

Acral (volar-subungual) melanoma. Gutman M, et al. **Br J Surg** 1985 Aug;7(8):610-3

The carbon dioxide laser in podiatric medicine. Kaplan BR, et al. **Clin Podiatry** 1985 Jul;2(3):519-22

Tips on nail surgery. Salasche SJ, et al. **Cutis** 1985 May; 35(5):428-31, 435-8

Subungual epidermoid carcinoma. Mikhail GR. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 1):291-8

Use of Cortisporin Otic Solution in phenol nail surgery. Anton-Athens V, et al. **J Am Podiatr Med Assoc** 1985 Jan; 75(1):31-3

THERAPY

Trichophyton-rubrum-infected toenails treated with ketoconazole and partial nail avulsion. Kavli G, et al. **Dermatologica** 1984;169(4):191-3

NAIL-PATELLA SYNDROME

COMPLICATIONS

Membranous nephropathy in a patient with nail-patella syndrome nephropathy. Mackay IG, et al. **Scott Med J** 1985 Jan;30(1):47-9

[A case of nail-patella syndrome presenting a steroid-resistant nephrotic syndrome—in reference to clinical and morphologic study] Isoda K, et al. **Nippon Jinzo Gakkai Shi** 1985 Apr;27(4):409-17 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

An autosomal recessive disorder with glomerular basement membrane abnormalities similar to those seen in the nail patella syndrome: report of a kindred. Salcedo JR. **Am J Med Genet** 1984 Nov;19(3):579–84

PHYSIOPATHOLOGY

Nail patella syndrome. George S, et al. **J Assoc Physicians India** 1985 Apr;33(4):304–6

RADIOGRAPHY

[Iliac horn syndrome. Apropos of a case and review of the literature] Núñez Motilva ME, et al. **An Esp Pediatr** 1984 Sep 15;21(3):244–9 (Eng. Abstr.) **(Spa)**

NAILING, INTRAMEDULLARY see **FRACTURE FIXATION, INTRAMEDULLARY**

NAILS

Procedure in identifying fingernail imprint in human skin survives appellate review. Starrs JE. **Am J Forensic Med Pathol** 1985 Jun;6(2):171–3

Subungual keratoacanthoma: a variant of verrucous squamous cell carcinoma of the skin. Scarani P, et al. **Appl Pathol** 1983 Nov–Dec;1(6):339–42

Nail micronizer. Daniel CR 3d. **Cutis** 1985 Aug;36(2):118

Post-radiation subungual squamous cell carcinoma. Stone OJ, et al. **Cutis** 1985 Mar;35(3):272–5

Periungual angiofibroma. Lemont H, et al. **J Am Podiatr Med Assoc** 1985 Aug;75(8):411–5

Green foot. LeFeber WP, et al. **Pediatr Dermatol** 1984 Jul; 2(1):38–40

[Capillary microscopy of the nail fold in Raynaud's phenomenon. Use in the early diagnosis of scleroderma] Rivera Redondo J, et al. **Rev Clin Esp** 1985 Jun;177(1):7–10 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Congenital polyonychias. Reduction versus duplication digit malformations. Kikuchi I. **Int J Dermatol** 1985 May; 24(4):211–5 (33 ref.)

Ectopic nail associated with bone deformity. Yamasaki R, et al. **J Dermatol (Tokyo)** 1984 Jun;11(3):295–300

ANALYSIS

X-ray microanalysis of chloride in nails from cystic fibrosis and control patients. Chapman AL, et al. **Eur J Respir Dis** 1985 Mar;66(3):218–23

A comparative study of the immunologic properties of hoof and nail fibrous proteins. Baden HP, et al. **J Invest Dermatol** 1984 Nov;83(5):327–31

ANATOMY & HISTOLOGY

[Value of human lip lines and nail striations in identification] Endris R, et al. **Arch Kriminol** 1985 Jan–Feb;175(1–2):13–20 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Nailfold capillary microscopy in essential mixed cryoglobulinemia: a report of several cases. Wysenbeek AJ, et al. **Angiology** 1985 Aug;36(8):552–5

Decreased nailfold capillary density in Raynaud's phenomenon: a reflection of immunologically mediated local and systemic vascular disease? Houtman PM, et al. **Ann Rheum Dis** 1985 Sep;44(9):603–9

Relationship between nailfold capillary abnormalities and organ involvement in systemic sclerosis. Lovy M, et al. **Arthritis Rheum** 1985 May;28(5):496–501

Angiographic findings in mixed connective tissue disease. Correlation with fingernail capillary photomicroscopy and digital photoplethysmography findings. Peller JS, et al. **Arthritis Rheum** 1985 Jul;28(7):768–74

Microvascular abnormalities as possible predictors of disease subsets in Raynaud phenomenon and early connective tissue disease. Maricq HR, et al. **Clin Exp Rheumatol** 1983 Jul–Sep;1(3):195–205

Nailfold capillary microscopy: a new technique for finger systolic pressure measurement. Priollet P, et al. **Clin Exp Rheumatol** 1984 Jul–Sep;2(3):217–20

Relationship between nailfold capillary microscopy and salivary capillary basement membrane width in Raynaud's disease and progressive systemic sclerosis. DeBure C, et al. **J Rheumatol** 1985 Apr;12(2):279–82

The effect of acupuncture using reinforcing and reducing methods on nail microcirculation and local skin temperature. Chen KY, et al. **J Tradit Chin Med** 1984 Dec; 4(4):279–81

Effects of ischemia on capillary density and flow velocity in nailfolds of human toes. Richardson D, et al. **Microvasc Res** 1985 Jul;30(1):80–7

[Nail-fold and tongue-tip microcirculation in children with acute glomerulonephritis and treatment with huo xue hua yu] Li G. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Nov; 4(11):669–71, 643 (Eng. Abstr.) **(Chi)**

[Circadian changes in nailfold microcirculation in normal adults] Peng LL. **Chung Hua I Hsueh Tsa Chih** 1984 Dec; 64(12):756–8 **(Chi)**

[Changes in the patterns of the nail-fold microvascular blood flow in normal adults] Yuan SY. **Chung Hua I Hsueh Tsa Chih** 1984 Sep;64(9):530–3 (Eng. Abstr.) **(Chi)**

[The change in the nailfold microcirculation in patients with acute cerebral thrombosis treated with ligustrazine] Wang GJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Apr;17(2):121–4 (Eng. Abstr.) **(Chi)**

[Effect of functional and angiogenic headache on nailfold microcirculation] Zhang S. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Apr; 18(2):98–101 (Eng. Abstr.) **(Chi)**

[The nail in vascular pathology] Sarteel AM, et al. **J Mal Vasc** 1985;10 Suppl A:199–206 (Eng. Abstr.) **(Fre)**

[Capillaroscopy and studies of the fingernails in diabetic children] Cislo M, et al. **Kinderarztl Prax** 1984 Jul; 52(7):38–44 (Eng. Abstr.) **(Ger)**

[Periungual capillary microscopy in patients with chronic polyarthritis and psoriasis arthropathica] Cervini C, et al. **Z Rheumatol** 1984 Nov–Dec;43(6):311–3 (Eng. Abstr.) **(Ger)**

[Results of fingernail-bed capillaroscopy in children with diabetes mellitus] Cislo M, et al. **Pediatr Pol** 1984 Aug; 59(8):623–9 (Eng. Abstr.) **(Pol)**

[Diagnostic potentials of capillaroscopy in heart failure] Lapin VV, et al. **Klin Med (Mosk)** 1984 Nov;62(11):95–9 (Eng. Abstr.) **(Rus)**

[Microcirculatory changes during the chemotherapy of pulmonary tuberculosis] Poletaev SD, et al. **Probl Tuberk** 1985;(4):17–22 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Topical tartrazine as an unusual cause of nail staining [letter] Verbov J. **Br J Dermatol** 1985 Jun;112(6):729

Non-traumatic removal of the nail and simultaneous treatment of onychomycosis. Nolting S. **Dermatologica** 1984;169 Suppl 1:117–20

GROWTH & DEVELOPMENT

The effect of aromatic retinoid Ro 10–9359 (etretinate) on fingernail growth. Galosi A, et al. **Arch Dermatol Res** 1985; 277(2):138–40

INJURIES

Primary care of fingernail injuries. Melone CP Jr, et al. **Emerg Med Clin North Am** 1985 May;3(2):255–61

Nail bed avulsions treated with porcine xenografts. Ersek RA, et al. **J Hand Surg [Am]** 1985 Jan;10(1):152–3

Subungual melanoma following a single injury. Roberts AH. **J Hand Surg [Br]** 1984 Oct;9(3):328–30

METABOLISM

Fibronectin distribution in nailfold biopsies of scleroderma (systemic sclerosis) patients. Chen ZY, et al. **Acta Derm Venereol (Stockh)** 1985;65(3):185–9

Glycosylation of nail in diabetics: possible marker of long-term hyperglycemia. Bakan E, et al. **Clin Chim Acta** 1985 Mar 30;147(1):1–5

Penetration of the human nail plate: the effects of vehicle pH on the permeation of miconazole. Walters KA, et al. **J Pharm Pharmacol** 1985 Jul;37(7):498–9

Chloroquine in nail clippings [letter] Ofori-Adjei D, et al. **Lancet** 1985 Aug 10;2(8450):331

PATHOLOGY

Biopsy technique for longitudinal streaks of pigmentation in nails. A preliminary report. Kopf AW, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:309–12

Diabetic gangrenous ulcerative disease with an ectopic finding. A case report. Haber G, et al. **J Am Podiatry Assoc** 1984 Oct;74(10):516–7

[Nail changes and alopecia areata] Tosti A, et al. **G Ital Dermatol Venereol** 1985 May–Jun;120(3):169–71 (Eng. Abstr.) **(Ita)**

SURGERY

Tips on nail surgery. Salasche SJ, et al. **Cutis** 1985 May; 35(5):4[illegible]–31, 435–8

Partial nail plate removal after digital replantation as an alternative method of venous drainage. Gordon L, et al. **J Hand Surg [Am]** 1985 May;10(3):360–4

[Ungual synthesis] Foucher G, et al. **Ann Chir Main** 1984; 3(2):168–9 (Eng. Abstr.) **(Fre)**

[Anatomo-clinical study of a complete nail flap] Schernberg F, et al. **Ann Chir Plast Esthet** 1985;30(2):127–31 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Electron microscopic study of fingernails in the disease of Mljet (Mal de Meleda). Salamon T, et al. **Acta Derm Venereol (Stockh)** 1984;64(4):302–7

NAILS, INGROWN

COMPLICATIONS

Ingrowing toenails and tetraplegia. Jaffray D, et al. **Paraplegia** 1985 Jun;23(3):176–81

CONGENITAL

[Nail bed changes in the neonatal period] Engels M. **Padiatr Padol** 1985;20(2):173–6 (Eng. Abstr.) **(Ger)**

SURGERY

Ingrowing toenails [letter] **Br Med J [Clin Res]** 1985 Aug 24;291(6494):546–7

Ingrowing toenails [editorial] Miller SS. **Br Med J [Clin Res]** 1985 Jul 13;291(6488):91–2

Treatment of ingrowing toenails with liquid nitrogen spray cryotherapy. Sonnex TS, et al. **Br Med J [Clin Res]** 1985 Jul 20;291(6489):173–5

Preliminary report on use of carbon dioxide laser in podiatry. Apfelberg DB, et al. **J Am Podiatry Assoc** 1984 Oct; 74(10):509–13

Radical wedge resection for ingrown toenail: long-term results. Herold HZ, et al. **J Dermatol Surg Oncol** 1985 May; 11(5):513–7

Cryosurgery for ingrowing toenail. Silverman SH. **J R Coll Surg Edinb** 1984 Sep;29(5):289–91

[Segmental matrix excision in the treatment of ingrowing toenails] Haneke E. **Dtsch Med Wochenschr** 1984 Sep 21; 109(38):1451–3 (14 ref.) **(Ger)**

[Surgical treatment of the ingrown nail of the big toe using the Dubois method] Carozzi S, et al. **Chir Ital** 1983 Oct; 35(5):805–10 (Eng. Abstr.) **(Ita)**

[Surgical treatment of the ingrown nail using the Dubois technic] Guzzetti A. **Chir Ital** 1983 Aug;35(4):600–3 (Eng. Abstr.) **(Ita)**

THERAPY

Taping for embedded toenails [letter] Nishioka K, et al. **Br J Dermatol** 1985 Aug;113(2):246–7

Ingrowing toenails [letter] **Br Med J [Clin Res]** 1985 Aug 3;291(6491):348

[Orthonyxia compared with the conservative treatment in ingrown nails of the great toe. A controlled study] Beck J, et al. **Ugeskr Laeger** 1984 Nov 12;146(46):3537–8 (Eng. Abstr.) **(Dan)**

NAILS, MALFORMED

COMPLICATIONS

[20 nail dystrophy, alopecia areata, lichen planus] Tosti A, et al. **G Ital Dermatol Venereol** 1985 Mar–Apr;120(2):131–2 (Eng. Abstr.) **(Ita)**

CONGENITAL

[Congenital onychodysplasia: Iso-Kikuchi syndrome] Haneke E, et al. **Hautarzt** 1984 Sep;35(9):468–71 (Eng. Abstr.) **(Ger)**

[Nail bed changes in the neonatal period] Engels M. **Padiatr Padol** 1985;20(2):173–6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

The many causes of koilonychia [letter] Leung AK. **Hosp Pract [Off]** 1985 Jul 15;20(7):29

Twenty-nail dystrophy of childhood: a sign of localized lichen planus. Silverman RA, et al. **Pediatr Dermatol** 1984 Jan;1(3):207–10

[Brachytelephalangy disclosed by nail dystrophies induced by cryotherapy] Baran R. **Ann Dermatol Venereol** 1985; 112(4):365–7 **(Fre)**

FAMILIAL & GENETIC

Odontoonychodysplasia with alopecia: a new pure ectodermal dysplasia with probable autosomal recessive inheritance. Pinheiro M, et al. **Am J Med Genet** 1985 Jan; 20(1):197–202

Twenty-nail dystrophy of childhood—two cases in one family. Menni S, et al. **Clin Exp Dermatol** 1984 Nov; 9(6):604–7

A new nail dysplasia syndrome with onychonychia and absence and/or hypoplasia of distal phalanges. Cooks RG, et al. **Clin Genet** 1985 Jan;27(1):85–91

The Coffin-Siris syndrome: report of a family and further delineation. Haspeslagh M, et al. **Clin Genet** 1984 Oct; 26(4):374–8

[Iso-Kikuchi syndrome. 2 familial cases] Pinedo JM, et al. **Med Cutan Ibero Lat Am** 1984;12(6):509–12 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Resolution of onychogryphosis. Stone OJ. **Cutis** 1984 Nov; 34(5):480

[Monstrous enchondroma of the ungual phalanx of the forefinger with nail deformity] Wawrosch W, et al. **Hautarzt** 1985 Mar;36(3):168–9 (Eng. Abstr.) **(Ger)**

[Congenital pachyonychia] Khamidov ShA, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):54–6 (Eng. Abstr.) **(Rus)**

THERAPY

An inherited nail dystrophy principally affecting the great toenails [letter] Baran R. **Br J Dermatol** 1985 Jan;112(1):124

NAIROBI SHEEP DISEASE

IMMUNOLOGY

An enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies to Nairobi sheep disease virus in comparison with an indirect immunofluorescent- and haemagglutination test. II. Results observed with sera of experimentally infected rabbits and sheep and with African sheep sera. Munz E, et al. **Zentralbl Veterinarmed [B]** 1984 Aug;31(7):537-49

NAJA VENOMS see **COBRA VENOMS**

NALBUPHINE see under **MORPHINANS**

NALED see under **INSECTICIDES, ORGANOPHOSPHATE**

NALIDIXIC ACID

ADVERSE EFFECTS

Thrombocytopenia induced by nalidixic acid. Meyboom RH. **Br Med J [Clin Res]** 1984 Oct 13;289(6450):962

Profound lactic acidosis in a young woman treated with nalidixic acid. Gustafson PR. **Tex Med** 1985 Feb;81(2):53-4

ANALOGS & DERIVATIVES

Belgian multicenter in vitro study of norfloxacin. Verbist L. **Acta Clin Belg** 1985;40(3):167-73

The quinolones [editorial] Fass RJ. **Ann Intern Med** 1985 Mar;102(3):400-2

Norfloxacin versus trimethoprim-sulfamethoxazole in the therapy of uncomplicated, community-acquired urinary tract infections. Goldstein EJ, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):422-3

Activities of pefloxacin and ciprofloxacin in experimentally induced Pseudomonas pneumonia in neutropenic guinea pigs. Gordin FM, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):452-4

Comparative trial of norfloxacin and trimethoprim-sulfamethoxazole in the treatment of women with localized, acute, symptomatic urinary tract infections and antimicrobial effect on periurethral and fecal microflora. Haase DA, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):481-4

Multiclinic comparative study of norfloxacin and trimethoprim-sulfamethoxazole for treatment of urinary tract infections. Sabbaj J, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):297-301

Pefloxacin therapy for experimental endocarditis caused by methicillin-susceptible or methicillin-resistant strains of Staphylococcus aureus. Sullam PM, et al. **Antimicrob Agents Chemother** 1985 May;27(5):685-7

Penetration of pefloxacin into cerebrospinal fluid of patients with meningitis. Wolff M, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):289-91

Comparative in vitro activity of norfloxacin and four other chemotherapeutics against urinary gram-negative isolates. Esposito S, et al. **Chemioterapia** 1984 Jun;3(3):196-9

In vitro activity of pefloxacin compared to that of quinolones and other antimicrobial agents. Neu HC, et al. **Chemioterapia** 1984 Aug;3(4):235-41

Study of the in vitro activity of norfloxacin and other drugs on amoxicillin-resistant uropathogenic isolates. Piccolomini R, et al. **Chemioterapia** 1984 Jun;3(3):167-72

Pharmacokinetic studies of norfloxacin in laboratory animals. Gilfillan EC, et al. **Chemotherapy** 1984;30(5):288-96

In vitro antibacterial activity of norfloxacin and other agents against ocular pathogens. Shungu DL, et al. **Chemotherapy** 1985;31(2):112-8

Incomplete cross-resistance of nalidixic and pipemidic acid-resistant variants of Serratia marcescens against ciprofloxacin, enoxacin, and norfloxacin. Traub WH. **Chemotherapy** 1985;31(1):34-9

Comparison of the in vitro activity of ciprofloxacin (Bay o 9867) and norfloxacin against gastrointestinal tract pathogens [letter] Diez-Enciso M, et al. **Eur J Clin Microbiol** 1984 Aug;3(4):367

In vitro activity of ciprofloxacin and norfloxacin against Gardnerella vaginalis [letter] Machka K. **Eur J Clin Microbiol** 1984 Aug;3(4):374

In vitro activity of enoxacin compared with norfloxacin and amikacin. van der Auwera P, et al. **Eur J Clin Microbiol** 1985 Feb;4(1):55-8

Research on antibacterial and antifungal agents. III. Synthesis of 1-ethyl-1,4-dihydro-4-oxo-7-(1-pyrryl)quinoline-3-carb acid and of some 6-derivatives. Artico M, et al. **Farmaco [Sci]** 1984 Nov;39(11):910-24

In-vitro activity of enoxacin, ofloxacin, norfloxacin and nalidixic acid. Bauernfeind A, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:33-8

Pefloxacin in rabbits: protein binding, extravascular diffusion, urinary excretion and bactericidal effect in experimental endocarditis. Contrepois A, et al. **J Antimicrob Chemother** 1984 Jul;14(1):51-7

Pharmacokinetics of norfloxacin in renal failure [letter] Fillastre JP, et al. **J Antimicrob Chemother** 1984 Oct;14(4):439

In-vitro activity of norfloxacin against Enterobacteriaceae and Pseudomonas aeruginosa [letter] García-Rodríguez JA, et al. **J Antimicrob Chemother** 1984 Aug;14(2):192-3

Comparative in-vitro activity of quinolone carboxylic acids against Proteeae. Hawkey PM, et al. **J Antimicrob Chemother** 1984 Nov;14(5):485-9

Antichlamydial activity of quinolone carboxylic acids [letter] Heppleston C, et al. **J Antimicrob Chemother** 1985 May;15(5):645-7

A controlled trial of norfloxacin and amoxycillin in the treatment of uncomplicated urinary tract infection in the elderly [letter] Hill S, et al. **J Antimicrob Chemother** 1985 Apr;15(4):505-6

Laboratory evaluation of enoxacin: comparison with norfloxacin and nalidixic acid. Teoh-Chan CH, et al. **J Antimicrob Chemother** 1985 Jan;15(1):45-52

The pharmacokinetics and tissue penetration of enoxacin and norfloxacin. Wise R, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:75-81

High-performance liquid chromatographic procedure for the quantitation of norfloxacin in urine, serum and tissues. Forchetti C, et al. **J Chromatogr** 1984 Jul 13;309(1):177-82

Improved high-performance liquid chromatographic determination of pefloxacin and its metabolite norfloxacin in human plasma and tissue. Montay G, et al. **J Chromatogr** 1985 Apr 12;339(1):214-8

Dose-dependent pharmacokinetic study of pefloxacin, a new antibacterial agent, in humans. Barre J, et al. **J Pharm Sci** 1984 Oct;73(10):1379-82

Efficacy of norfloxacin in urinary tract infection biological effects on vaginal and fecal flora. Schaeffer AJ, et al. **J Urol** 1985 Apr;133(4):628-30

In vitro effect of pH and glucose concentration on the antibacterial activity of norfloxacin in urine. Fromtling RA, et al. **Methods Find Exp Clin Pharmacol** 1984 Dec;6(12):737-41

Antibacterial efficacy of norfloxacin, trimethoprim-sulfamethoxazole, and gentamicin in experimentally-infected normal and streptozotocin-induced diabetic mice. Fromtling RA, et al. **Methods Find Exp Clin Pharmacol** 1984 Dec;6(12):731-5

Mechanism of inhibition of DNA gyrase by analogues of nalidixic acid: the target of the drugs is DNA. Shen LL, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):307-11

Norfloxacin for selective decontamination: a study in human volunteers. De Vries-Hospers HG, et al. **Prog Clin Biol Res** 1985;181:259-62

Selective decontamination of the digestive tract by norfloxacin. A preliminary report. Pecquet SS, et al. **Prog Clin Biol Res** 1985;181:255-8

Comparative in vitro activity of norfloxacin and seven other antimicrobial agents against clinical isolates from urinary tract infections. Esko E, et al. **Scand J Infect Dis** 1985;17(1):95-8

Comparative in vitro activity of three new quinolone antibiotics against recent clinical isolates. Forsgren A. **Scand J Infect Dis** 1985;17(1):91-4

Norfloxacin and silver norfloxacin in the treatment of Pseudomonas corneal ulcer in the rabbit. Darrell RW, et al. **Trans Am Ophthalmol Soc** 1984;82:75-91

In vitro antibacterial activity of three new quinolone derivatives: rosoxacin, norfloxacin, pefloxacin. Husson MO, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Dec;258(2-3):283-6

[Sensitivity of obligate anaerobes to ofloxacin, pefloxacin, enoxacin and norfloxacin] Dubreuil L, et al. **Pathol Biol (Paris)** 1985 May;33(5):421-5 (Eng. Abstr.) **(Fre)**

[Influence of technical factors in the determination of minimal inhibitory concentration by microdilution] Forey F, et al. **Pathol Biol (Paris)** 1985 May;33(5):341-9 (Eng. Abstr.) **(Fre)**

[Comparative in vitro antistaphylococcal effect of norfloxacin and pefloxacin on 312 hospital strains] Ronco E, et al. **Pathol Biol (Paris)** 1985 May;33(5):381-4 (Eng. Abstr.) **(Fre)**

[A new quinolone (pefloxacine) in bronchopulmonary superinfections in cystic fibrosis] Reineri P, et al. **Pediatrie** 1984 Oct-Dec;39(7):597-8 **(Fre)**

[Norfloxacin treatment of acute cystitis in the female and bacterial prostatitis] Bischoff W. **Fortschr Med** 1985 Feb 28;103(8):225-8 (Eng. Abstr.) **(Ger)**

[Norfloxacin sensitivity of bacterial pathogens of urinary tract infections] Modde H. **Schweiz Rundsch Med Prax** 1985 Apr 23;74(17):439-42 (Eng. Abstr.) **(Ger)**

[Antibacterial activity of norfloxacin and pipemidic acid in a randomized double-blind study] Zerqueni G, et al. **Minerva Urol Nefrol** 1984 Jul-Sep;36(3):247-51 (Eng. Abstr.) **(Ita)**

METABOLISM

Pharmacokinetics of nalidixic acid associated with sodium citrate. Ferry N, et al. **Biopharm Drug Dispos** 1984 Jul-Sep;5(3):211-8

Chronic blood vessel catheterization in Göttingen miniature pigs and application to a preliminary bioavailability study of nalidixic acid. Tanioka Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2851-4

Effect of food on bioavailability of nalidixic acid from uncoated tablets having different dissolution rates. Ogata H, et al. **J Pharmacobiodyn** 1984 Oct;7(10):760-7

PHARMACODYNAMICS

Influence of penicillin and nalidixic acid on growth and cell division of Escherichia coli K-12. Hrebenda J, et al. **Acta Microbiol Pol** 1985;34(1):19-24

Resistance of Pseudomonas aeruginosa PAO to nalidixic acid and low levels of beta-lactam antibiotics: mapping of chromosomal genes. Rella M, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):242-9

Chloroplast DNA synthesis during the cell cycle in cultured cells of Nicotiana tabacum: inhibition by nalidixic acid and hydroxyurea. Heinhorst S, et al. **Arch Biochem Biophys** 1985 Jun;239(2):475-9

Evidence that novobiocin and nalidixic acid do not inhibit excision repair in u.v.-irradiated human skin fibroblasts at a pre-incision step. Keyse SM, et al. **Carcinogenesis** 1985 Aug;6(8):1231-3

Cross resistance of quinolone derivatives in gram-negative bacteria. Barba D, et al. **Chemioterapia** 1985 Apr;4(2):192-6

Inhibition of conjugal transfer by new quinolinic compounds. Oliva B, et al. **Chemioterapia** 1985 Jun;4(3):199-201

In vitro synergism of nalidixic acid with other broad spectrum antibiotics. Piccolomini R, et al. **Chemioterapia** 1984 Apr;3(2):103-7

Inhibition of beta-lactamase production in gram-positive and gram-negative strains by sub-inhibitory concentrations of nalidixic acid. Repetto A, et al. **Chemioterapia** 1984 Oct;3(5):278-80

In vitro synergistic activity of some chinolinic compounds combined with beta-lactam antibiotics against gram-positive and gram-negative clinical isolates. Ravagnan G, et al. **Chemotherapy** 1985;31(3):191-9

In-vitro activity of enoxacin, ofloxacin, norfloxacin and nalidixic acid. Bauernfeind A, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:33-8

Laboratory evaluation of enoxacin: comparison with norfloxacin and nalidixic acid. Teoh-Chan CH, et al. **J Antimicrob Chemother** 1985 Jan;15(1):45-52

Prolonged granulocytopenia due to selective antimicrobial modulation of the intestinal flora: bias or biology? Guiot HF, et al. **Prog Clin Biol Res** 1985;181:267-70

Spread of multiresistant gram-negative bacilli among severely immuno-compromised mice during prophylactic treatment with different oral antimicrobial drugs. van der Waaij D, et al. **Prog Clin Biol Res** 1985;181:245-50

THERAPEUTIC USE

Experiences on the efficacy and safety of nalidixic acid, oxolinic acid, cinoxacin and norfloxacin in the treatment of urinary tract infections (UTI). Sabbour MS, et al. **Infection** 1984 Nov-Dec;12(6):377-80

Multiresistant Shigella infections in Bangladesh [letter] Bennish M, et al. **Lancet** 1985 Aug 24;2(8452):441

Nalidixic-acid-resistant Shigella dysenteriae 1 [letter] Panhotra BR, et al. **Lancet** 1985 Mar 30;1(8431):763

NALIDIXIN see **NALIDIXIC ACID**

NALORPHINE

ANTAGONISTS & INHIBITORS

Antagonism of the discriminative effects of ethylketazocine, cyclazocine, and nalorphine in macaques. Young AM, et al. **Psychopharmacology (Berlin)** 1984;84(3):356-61

DIAGNOSTIC USE

[Characteristic features of the hormonal status of patients with exogenous constitutional obesity before and after nalorphine administration] Spesivtseva VG, et al. **Med Radiol (Mosk)** 1984 Nov;29(11):40-4 **(Rus)**

PHARMACODYNAMICS

Potentiation of physical dependence by conjugation at the 6-position of nalorphine. Oguri K, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):229-35

Behavioral effects of naloxone and nalorphine preceding and following morphine maintenance in the rhesus monkey. Bergman J, et al. **Psychopharmacology (Berlin)** 1985;86(3):324-7

NALOXIPHAN see **LEVALLORPHAN**

NALOXONE

Interaction of morphine and naloxone with mixed monolayers of lecithin and gangliosides. Valencia G, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):269-74

Decline in abuse of pentazocine/tripelennamine (T's and Blues) associated with the addition of naloxone to pentazocine tablets. Poklis A. **Drug Alcohol Depend** 1984 Oct;14(2):135-40

ADMINISTRATION & DOSAGE

Naloxone and pentazocine given after morphine. Cardan E, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:265-70

Naloxone administration does not affect gonadotrophin secretion in male patients with isolated hypogonadotrophic hypogonadism. Maggi M, et al. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):153-7

Endotracheal naloxone [letter] **Am J Emerg Med** 1983 Nov;

1(3):366–7

Ventromedial and lateral hypothalamic injections of naloxone or naltrexone suppress the acute food intake of food-deprived rats. Thornhill JA, et al. **Appetite** 1984 Mar; 5(1):25–30

Effects of high-dose and low-dose naloxone on plasma ACTH in patients with ACTH hypersecretion. Deuss U, et al. **Clin Endocrinol (Oxf)** 1985 Mar;22(3):273–9

Clonidine and naloxone in ultrashort opiate detoxification. Holman PW. **Clin Pharm** 1985 Jan–Feb;4(1):100–2

Continuous naloxone infusion in two neonates with septic shock. Furman WL, et al. **J Pediatr** 1984 Oct;105(4):649–51

Continuous naloxone infusion for opiate poisoning in infancy. Tenenbein M. **J Pediatr** 1984 Oct;105(4):645–8

Differential actions of intrathecal naloxone on blocking the tail-flick inhibition induced by intraventricular beta-endorphin and morphine in rats. Tseng LF, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):74–9

Influence of the method of drug administration on analgesic response. Levine JD, et al. **Nature** 1984 Dec 20–1985 Jan 2;312(5996):755–6

[The effects of the pulsatile administration of naloxone on the secretion of gonadotrophins in a case of hypothalamo-hypophyseal amenorrhea] Armani J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(3):301–3 (Eng. Abstr.) **(Fre)**

[Shock and the administration of naloxone] Jolivet M, et al. **Union Med Can** 1984 Sep;113(9):783–5 (Eng. Abstr.) **(Fre)**

[Consequences of using naloxone in morphine anesthesia] Cardan E, et al. **Rev Chir [Chir]** 1983 May–Jun;32(3):233–7 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Naloxone and asymptomatic ischemia: failure to induce angina during exercise testing. Ellestad MH, et al. **Am J Cardiol** 1984 Nov 1;54(8):982–4

Severe hypertension induced by naloxone. Levin ER, et al. **Am J Med Sci** 1985 Aug;290(2):70–2

ABC of poisoning: opioids [letter] **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1538

The hypertensive response to naloxone [letter] Rosenberg R. **S Afr Med J** 1985 Jul 20;68(2):73–4

[Case of pulmonary edema after treatment with naloxone] Besse S, et al. **Minerva Anestesiol** 1985 Jan–Feb; 51(1–2):27–8 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

The sequential use of clonidine and naltrexone in the treatment of opiate addicts. Gold MS, et al. **Adv Alcohol Subst Abuse** 1984 Spring;3(3):19–39 (121 ref.)

Clonidine hydrochloride detoxification from methadone treatment––the value of naltrexone aftercare. Rawson RA, et al. **Adv Alcohol Subst Abuse** 1984 Spring;3(3):41–9

Naltrexone-induced dysphoria in former opioid addicts. Crowley TJ, et al. **Am J Psychiatry** 1985 Sep;142(9):1081–4

Ventromedial and lateral hypothalamic injections of naloxone or naltrexone suppress the acute food intake of food-deprived rats. Thornhill JA, et al. **Appetite** 1984 Mar; 5(1):25–30

Nontolerance to the opioid antagonism of naltrexone. Kleber HD, et al. **Biol Psychiatry** 1985 Jan;20(1):66–72

Pre-incubation of guinea-pig myenteric plexus with beta-funaltrexamine: discrepancy between binding assays and bioassays. Corbett AD, et al. **Br J Pharmacol** 1985 Jul;85(3):665–73

Simultaneous quantitation of norepinephrine, dopamine and serotonin in brain during and following chronic naltrexone administration. Baron SA, et al. **Brain Res** 1985 Aug 5; 340(1):192–8

Evidence that naloxonazine produces prolonged antagonism of central delta opioid receptor activity in vivo. Dray A, et al. **Brain Res** 1984 Dec 3;323(1):123–7

Naltrexone and human eating behavior: a dose-ranging inpatient trial in moderately obese men. Maggio CA, et al. **Brain Res Bull** 1985 Jun;14(6):657–61

Kinetics of a naltrexone sustained-release preparation. Chiang CN, et al. **Clin Pharmacol Ther** 1984 Nov; 36(5):704–8

Naltrexone treatment of heroin addiction: one-year follow-up. Judson BA, et al. **Drug Alcohol Depend** 1984 Jul;13(4):357–65

Naltrexone disposition in man after subcutaneous administration. Wall ME, et al. **Drug Metab Dispos** 1984 Nov–Dec;12(6):677–82

Naltrexone-reversible effects of flunitrazepam on locomotor activity and passive avoidance behaviour in mice. Castellano C, et al. **Eur J Pharmacol** 1984 Sep 3; 104(1–2):111–6

Narcotic discrimination in pigeons: antagonism by naltrexone. Herling S, et al. **Eur J Pharmacol** 1984 Oct 1; 105(1–2):137–42

Blockade by naloxone and naltrexone of the TRH-induced stimulation of colonic transit in the rabbit. Horita A, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):289–93

Comparative antagonism by naltrexone and naloxone of mu, kappa, and delta agonists. Takemori AE, et al. **Eur J Pharmacol** 1984 Sep 3;104(1–2):101–4

Opioid receptor binding characteristics of the non-equilibrium mu antagonist, beta-funaltrexamine (beta-FNA). Ward SJ, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):323–30

The narcotic antagonist naltrexone has a biphasic effect on the nicotinic acetylcholine receptor. Madsen BW, et al. **FEBS Lett** 1985 Mar 11;182(1):20–4

3-[18F]Acetylcyclofoxy: a useful probe for the visualization of opiate receptors in living animals. Pert CB, et al. **FEBS Lett** 1984 Nov 19;177(2):281–6

Naltrexone facilitation of sexual receptivity in the rat. Allen DL, et al. **Horm Behav** 1985 Mar;19(1):98–103

Radiosynthesis of [18F]3-acetylcyclofoxy: a high affinity opiate antagonist. Channing MA, et al. **Int J Appl Radiat Isot** 1985 Jun;36(6):429–33

Quantitative determination of 2-hydroxy-3-methoxy-6 beta-naltrexol (HMN), naltrexone, and 6 beta-naltrexol in human plasma, red blood cells, saliva, and urine by gas liquid chromatography. Verebey K, et al. **J Anal Toxicol** 1980 Jan–Feb;4(1):33–7

10-Ketonaltrexone and 10-ketooxymorphone. Archer S, et al. **J Med Chem** 1985 Jul;28(7):974–6

Opioid agonists and antagonists. 6-Desoxy-6-substituted lactone, epoxide, and glycidate ester derivatives of naltrexone and oxymorphone. Koolpe GA, et al. **J Med Chem** 1985 Jul;28(7):949–57

Diastereomeric 6-desoxy-6-spiro-alpha-methylene-gamma-butyrolactone derivatives of naltrexone and oxymorphone. Selective irreversible inhibition of naltrexone binding in an opioid receptor preparation by a conformationally restricted michael acceptor ligand. Koolpe GA, et al. **J Med Chem** 1984 Dec;27(12):1718–23

Design and synthesis of naltrexone-derived affinity labels with nonequilibrium opioid agonist and antagonist activities. Evidence for the existence of different mu receptor subtypes in different tissues. Sayre LM, et al. **J Med Chem** 1984 Oct;27(10):1325–35

Nalmefene: radioimmunoassay for a new opioid antagonist. Dixon R, et al. **J Pharm Sci** 1984 Nov;73(11):1645–6

Pharmacokinetics of morphine and its surrogates V: Naltrexone and naltrexone conjugate pharmacokinetics in the dog as a function of dose. Garrett ER, et al. **J Pharm Sci** 1985 Jan;74(1):50–6

Discriminative stimulus effects of morphine withdrawal in the dependent rat: suppression by opiate and nonopiate drugs. Holtzman SG. **J Pharmacol Exp Ther** 1985 Apr; 233(1):80–6

Separation of opioid analgesia from respiratory depression: evidence for different receptor mechanisms. Ling GS, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):149–55

Neurochemical and functional correlates of naltrexone-induced opiate receptor up-regulation. Tempel A, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):439–44

Naltrexone precipitated opiate withdrawal in methadone addicted human subjects: evidence for noradrenergic hyperactivity. Charney DS, et al. **Life Sci** 1984 Sep 17; 35(12):1263–72

Prolonged in vivo antagonism of central mu- and delta-opioid receptor activity by beta-funal trexamine. Dray A, et al. **Life Sci** 1985 Apr 8;36(14):1353–8

TENA, a selective kappa opioid receptor antagonist. Portoghese PS, et al. **Life Sci** 1985 Feb 25;36(8):801–5

Involvement of opioid receptor subtypes in rat feeding behavior. Simone DA, et al. **Life Sci** 1985 Mar 4; 36(9):829–33

Increased analgesic potency of morphine and increased brain opioid binding sites in the rat following chronic naltrexone treatment. Yoburn BC, et al. **Life Sci** 1985 Jun 17; 36(24):2325–32

Naltrexone modulates body and brain development in rats: a role for endogenous opioid systems in growth. Zagon IS, et al. **Life Sci** 1984 Nov 12;35(20):2057–64

Naltrexone for opioid addiction. **Med Lett Drugs Ther** 1985 Feb 1;27(680):11–2

Binding of a new opiate antagonist, nalmefene, to rat brain membranes. Michel ME, et al. **Methods Find Exp Clin Pharmacol** 1985 Apr;7(4):175–7

Binding of [3H]naloxonazine to rat brain membranes. Johnson N, et al. **Mol Pharmacol** 1984 Nov;26(3):477–83

Abstinence treatments for opiate addicts: therapeutic community or naltrexone? Arndt I, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:275–81

Five-year follow-up of opiate addicts with naltrexone and behavior therapy. Rawson RA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:289–95

Chloroacryloyl amides and alpha-methylenelactones from naltrexone, oxymorphone and fentanyl. Archer S, et al. **Neuropeptides** 1985 Feb;5(4–6):395–8

Effects of naloxone and other opiate antagonists on blood-ethanol concentration in acutely-ethanol-intoxicated rats. Badawy AA, et al. **Neuropeptides** 1985 Feb;5(4–6):341–4

Chronic blockade of opiate receptors: influence on reproduction and body weight in female rats. Pfeiffer DG, et al. **Neuropeptides** 1984 Dec;5(1–3):279–82

Effects of opiates on urine output in the water-loaded rat and reversal by beta-funaltrexamine. Skingle M, et al. **Neuropeptides** 1985 Feb;5(4–6):433–6

Endogenous opiates and stress. Behavioral activation elicited in the rat and effects of naltrexone, diprenorphine and morphine. Katz RJ, et al. **Neuropharmacology** 1984 Dec; 23(12A):1425–30

Attenuation of ethanol-induced conditioned taste aversion by naloxazone: behavioral evidence for an opiate receptor-mediated morphine-ethanol interaction. Ng Cheong Ton JM, et al. **Neurosci Lett** 1984 Jul 27; 48(2):127–32

Effects of ethanol and naltrexone on free-operant avoidance behavior in rats. Galizio M, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):423–9

Naltrexone antagonizes the biobehavioral adaptation to cold water stress in rats. Girardot MN, et al. **Pharmacol Biochem Behav** 1985 May;22(5):769–79

Naltrexone fails to suppress spontaneous locomotor activity in hamsters. Lowy MT, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):399–401

Effects of opioids and phencyclidine in combination with naltrexone on the acquisition and performance of response sequences in monkeys. Moerschbaecher JM, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1061–9

Hyperthermia in the rat from handling stress blocked by naltrexone injected into the preoptic-anterior hypothalamus. Pae YS, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):337–9

Chronic naltrexone treatment increases the heroin-produced facilitation of self-stimulation. Schenk S, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):175–7

Naltrexone's influence on neurobehavioral development. Zagon IS, et al. **Pharmacol Biochem Behav** 1985 Mar; 22(3):441–8

Cold water stress analgesia in rats: differential effects of naltrexone. Girardot MN, et al. **Physiol Behav** 1984 Apr; 32(4):547–55

Multi-dimensional analyses of behavior in mice treated with naltrexone. Ukai M, et al. **Physiol Behav** 1985 Feb; 34(2):311–3

Opioid antagonist-induced regulation of organ development. Zagon IS, et al. **Physiol Behav** 1985 Apr;34(4):507–11

Counteraction by naltrexone of stress-induced inhibition of TSH release: role of noradrenergic system. Briski K, et al. **Proc Soc Exp Biol Med** 1984 Nov;177(2):354–9

Naloxone and naltrexone block the gastrointestinal effects of TRH and MK-212. Horita A, et al. **Proc West Pharmacol Soc** 1984;27:385–6

The behavioural depression of hippocampal kindled rats is attenuated by subcutaneous and intracerebroventricular naltrexone. Cottrell GA, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):673–6

Methadone and naltrexone in the treatment of heroin dependence. Greenstein RA, et al. **Psychiatr Clin North Am** 1984 Dec;7(4):671–9

Effects of morphine, naltrexone, and dextrorphan in untreated and morphine-treated pigeons. France CP, et al. **Psychopharmacology (Berlin)** 1985;85(3):377–82

Acute effects of naloxone and naltrexone, but lack of delayed effects, on exploratory behavior in the rat. Koek W, et al. **Psychopharmacology (Berlin)** 1984;84(3):383–7

Blockade of nucleus accumbens opiate receptors attenuates intravenous heroin reward in the rat. Vaccarino FJ, et al. **Psychopharmacology (Berlin)** 1985;86(1–2):37–42

Separation of morphine analgesia from physical dependence. Ling GS, et al. **Science** 1984 Oct 26;226(4673):462–4

[Reversible binding of naloxazine and 14-hydroxydihydromorphazine with opiate receptors] Li LY, et al. **Yao Hsueh Hsueh Pao** 1984 Apr;19(4):251–5 (Eng. Abstr.) **(Chi)**

ANALYSIS

High-performance liquid chromatographic-amperometric determination of naloxone hydrochloride injection. Wilson TD. **J Chromatogr** 1984 Aug 17;298(1):131–9

BLOOD

Naloxone protein binding in adult and foetal plasma. Asali LA, et al. **Eur J Clin Pharmacol** 1984;27(4):459–63

High-performance liquid chromatographic analysis of naloxone in human serum. Terry MD, et al. **J Chromatogr** 1984 Nov 9;311(1):213–7

DIAGNOSTIC USE

Effects of naloxone on gonadotropin secretion in Klinefelter syndrome. Foresta C, et al. **Andrologia** 1984 Sep–Oct; 16(5):397–405

Supraspinal and spinal mediation of naloxone-induced morphine withdrawal in rats. Marshall DC, et al. **Brain Res** 1985 Mar 11;329(1–2):131–42

Is Metenkephalin responsible for the baroreflex dysfunction of chronic uraemics? Zoccali C, et al. **Clin Exp Hypertens [A]** 1984;6(10–11):1977–80

Naloxone in progressive supranuclear palsy [letter] Sandyk R, et al. **Clin Neuropharmacol** 1985;8(2):198–9

Possible complications of using naloxone as an internal opiate antagonist in the investigation of the role of endorphins in osteopathic manipulative treatment. Payson SM, et al. **J Am Osteopath Assoc** 1984 Sep;84(1 Suppl):152–6

Tourette syndrome and the opioid system [letter] Gillman MA, et al. **Psychiatry Res** 1985 Jun;15(2):161–2

[The role of naloxone in the current diagnosis of drug dependence] Stefani S, et al. **Clin Ter** 1984 Jun 30; 109(6):519–24 (Eng. Abstr.) **(Ita)**

[Chronopharmacological study of physical dependence on morphine in rats.] Suzuki T, et al. **Nippon Yakurigaku Zasshi** 1985 Jan;85(1):17–22 (Eng. Abstr.) **(Jpn)**

METABOLISM

Gonadal steroid-induced modification of opiate binding sites in anterior hypothalamus of female rats. Wilkinson M, et al. **Biol Reprod** 1985 Apr;32(3):501-6

Tritiated etorphine and naloxone binding to opioid receptors in caudate nucleus in schizophrenia. Owen F, et al. **Br J Psychiatry** 1985 May;146:507-9

Opiate ([3H]-naloxone) binding to hypothalamic and cerebral cortical slices of mouse brain. Jacobson W, et al. **Brain Res Bull** 1984 Oct;13(4):481-5

Characterization of a labile naloxone binding site (lambda site) in rat brain. Grevel J, et al. **J Neurochem** 1985 May; 44(5):1647-56

Different changes by acute electric footshock of opioid agonist and antagonist receptors in rat brain. Kameyama T, et al. **Neurosci Lett** 1984 Aug 31;49(3):307-12

[Stability of opiate receptors of wet and lyophilized preparations of rat brain membranes] Zaitsev SV, et al. **Biokhimiia** 1984 Jul;49(7):1127-33 (Eng. Abstr.) **(Rus)**

[Specific binding of 3H-naloxone with isolated rat enterocytes] Iarygin KN, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):40-2 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Naloxone does not reverse the pain-reducing effect of vibratory stimulation. Lundeberg T. **Acta Anaesthesiol Scand** 1985 Feb;29(2):212-6

No effect of naloxone or morphine on plasma catecholamines during hemorrhage in rat. Farnebo LO, et al. **Acta Chir Scand [Suppl]** 1984;520:105-8

The regulation of insulin and glucagon secretion by opiates: a study with naloxone in healthy humans. Locatelli A, et al. **Acta Diabetol Lat** 1985 Jan-Mar;22(1):25-31

Role of naloxone and opioid peptides on thyrotrophin, alpha subunit and beta thyrotrophin by dispersed rat pituitary cells. Cacicedo L, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):101-6

Effect of naloxone on oxytocin-induced cortisol decrease in normal men. Coiro V, et al. **Acta Endocrinol (Copenh)** 1985 Feb;108(2):261-5

Naloxone effect on FSH response to LRH in early puerperium. Messinis I, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984;265:36-7

Influence of estrogen pre-treatment on plasma prolactin response to low-dose naloxone in post-menopausal women. Monteleone P, et al. **Acta Neurol (Napoli)** 1984 Dec; 6(6):418-23

Effects of naloxone on newborn infant behavior after maternal analgesia with pethidine during labor. Welles B, et al. **Acta Obstet Gynecol Scand** 1984;63(7):617-9

beta-Endorphin and essential hypertension: importance of the clonidine-naloxone interaction. Farsang C, et al. **Acta Physiol Hung** 1985;65(2):217-26

Atropine and naloxone block the colonic contraction elicited by cholecystokinin and pentagastrin. Hellström PM. **Acta Physiol Scand** 1985 May;124(1):25-33

Selective attenuation of ethanol-induced performance impairment by naloxone in humans. Ewing JA, et al. **Adv Alcohol Subst Abuse** 1984 Summer;3(4):47-59

The effects of ethanol and naloxone on extinction of jump-up avoidance performance in rats. Galizio M, et al. **Alcohol** 1984 May-Jun;1(3):197-200

Morphine and naloxone modulate intake of ethanol. Reid LD, et al. **Alcohol** 1984 Jan-Feb;1(1):33-7

Prolactin response to breast stimulation in lactating women is not mediated by endogenous opioids. Cholst IN, et al. **Am J Obstet Gynecol** 1984 Nov 1;150(5 Pt 1):558-61

Effect of naloxone on menopausal flushes, skin temperature, and luteinizing hormone secretion. Tulandi T, et al. **Am J Obstet Gynecol** 1985 Jan 15;151(2):277-80

Local endogenous opiate activity in dog myocardium: receptor blockade with naloxone. Caffrey JL, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H382-8

Intracoronary naloxone in hemorrhagic shock: dose-dependent stereospecific effects. Lechner RB, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H272-7

Bacteremia-induced changes in pituitary hormone release and effect of naloxone. Leshin LS, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E585-91

Centrally administered naloxone blocks reflex natriuresis after acute unilateral nephrectomy. Lin SY, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):F390-5

Effect of naloxone on ventilatory control in parents of victims of sudden infant death syndrome. Schiffman PL, et al. **Am Rev Respir Dis** 1984 Dec;130(6):964-8

Antagonism of fentanyl and alfentanil by intravenous plus subcutaneous naloxone. Pattern of ventilatory depression after a short procedure. Valgardsson A, et al. **Anaesthesia** 1985 Aug;40(8):772-6

The effects of naloxone associated with the intrathecal use of morphine in labor. Dailey PA, et al. **Anesth Analg** 1985 Jul;64(7):658-66

Intralingual naloxone reversal of morphine-induced respiratory depression in dogs. Maio RF, et al. **Ann Emerg Med** 1984 Dec;13(12):1087-91

Use of naloxone during cardiac arrest and CPR: potential adjunct for postcountershock electrical-mechanical dissociation. Rothstein RJ, et al. **Ann Emerg Med** 1985 Mar; 14(3):198-203

Hemodynamic response to naloxone during live Escherichia coli sepsis in splenectomized dogs. Rees M, et al. **Ann Surg** 1984 Nov;200(5):614-8

Dual action of naloxone on feeding revealed by behavioural analysis: separate effects on initiation and termination of eating. Kirkham TC, et al. **Appetite** 1984 Mar;5(1):45-52

The effect of naloxone on schedule-induced and other drinking. Wallace M, et al. **Appetite** 1984 Mar;5(1):39-44

Drinking: a final common pathway? Wilson KM, et al. **Appetite** 1984 Mar;5(1):31-8

Pharmacological study of pentazocine-naloxone combination: interest as a potentially non abusable oral form of pentazocine. Legros J, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):11-21

Influence of naloxone on the antinociceptive effects of some antidepressant drugs. Reichenberg K, et al. **Arch Int Pharmacodyn Ther** 1985 May;275(1):78-85

Suppression of food and water intake after intracerebroventricular infusion of morphine and naloxone in rabbits. Konecka AM, et al. **Arch Int Physiol Biochim** 1984 Oct;92(3):219-26

Effects of morphine, enkephalins and naloxone on postprandial gastric acid secretion, gastric emptying and gastrin release in dogs. Kostritsky-Pereira A, et al. **Arch Int Physiol Biochim** 1984 Apr;92(1):19-26

Suppression of schedule-induced drinking and food-reinforced bar pressing by tail-pinch is not reversed by naloxone. Murphy EP, et al. **Behav Neural Biol** 1985 Jan;43(1):86-99

Narcan inhibition of human liver alcohol dehydrogenase. Dingley AL, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):299-306

Hormone response to repeated electroconvulsive therapy: effects of naloxone. Haskett RF, et al. **Biol Psychiatry** 1985 Jun;20(6):623-33

Histaminergic H1 and H2 receptors do not mediate cortisol release in response to naloxone in normal men. Coiro V, et al. **Biomed Pharmacother** 1984;38(7):358-60

Effect of naloxone on loss of consciousness induced by i.v. ketamine [letter] Amiot JF, et al. **Br J Anaesth** 1985 Sep; 57(9):930

Effects of intravascular volume expansion on the cardiovascular response to naloxone in a canine model of severe endotoxin shock. Evans SF, et al. **Br J Pharmacol** 1984 Oct;83(2):443-8

The effects of meptazinol in comparison with pentazocine, morphine and naloxone in a rat model of anaphylactic shock. Paciorek PM, et al. **Br J Pharmacol** 1985 Feb; 84(2):469-75

The role of endogenous opiates in thermal regulation of the body during exercise. De Meirleir K, et al. **Br Med J [Clin Res]** 1985 Mar 9;290(6470):739-40

Selective impairment of declarative memory following stimulation of dentate gyrus granule cells: a naloxone-sensitive effect. Collier TJ, et al. **Brain Res** 1984 Sep 24;310(2):384-7

Operant conditioning of somatosensory evoked potential (SEP) amplitude in rats. I. Specific changes in SEP amplitude and a naloxone-reversible somatotopically specific change in facial nociception. Dowman R, et al. **Brain Res** 1985 May 6;333(2):201-12

Opioid inhibition of reflex urinary bladder contractions: dissociation of supraspinal and spinal mechanisms. Dray A, et al. **Brain Res** 1985 Jun 24;337(1):142-5

Influence of morphine and cyclazocine on the cortical epileptic foci in rabbits. Massotti M, et al. **Brain Res** 1984 Sep 24;310(2):201-12

Differential effects of naloxone on the release of neurohypophysial hormones in normotensive and spontaneously hypertensive rats. Rosella-Dampman LM, et al. **Brain Res** 1985 Jan 28;325(1-2):205-14

Naloxone reverses the antinociceptive action of clonidine in spontaneously hypertensive rats. Tchakarov L, et al. **Brain Res** 1985 Feb 25;328(1):33-40

Naloxone specifically blocks the linear locomotion in mice. Ukai M, et al. **Brain Res** 1985 Mar 4;328(2):378-80

Effects of naloxone on the cardiovascular responses to muscular contraction in decerebrate cats. Waldrop TG, et al. **Brain Res** 1984 Nov 19;322(1):152-6

Effects of centrally administered naloxone on phrenic nerve activity. Wilson BA, et al. **Brain Res** 1984 Dec 24; 324(2):366-8

Effects of morphine and naloxone on hippocampal CA3 field potentials following systemic administration in the freely-moving rat. Linseman MA, et al. **Brain Res Bull** 1984 Aug;13(2):241-5

Evidence for the participation of endogenous opioids in the sympathoadrenal response to hypoglycaemia in man. Bouloux PM, et al. **Clin Endocrinol (Oxf)** 1985 Jan; 22(1):49-56

Naloxone reduces the fenfluramine-induced prolactin release in man. Foresta C, et al. **Clin Endocrinol (Oxf)** 1985 Apr; 22(4):539-43

Effects of naloxone on the cardiovascular responses to clonidine, alpha-methyldopa and 6-hydroxydopamine in conscious normotensive and spontaneously hypertensive rats. Head GA, et al. **Clin Exp Hypertens [A]** 1984; 6(10-11):2051-4

Naloxone suppresses the vasodepressor action of captopril in the anaesthetized dog. Montastruc JL, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):1825-8

The effect of quaternary naloxone on the increased naloxone potency induced by morphine. Wong CL, et al. **Clin Exp Pharmacol Physiol** 1984 Sep-Oct;11(5):467-71

Changes in succinic dehydrogenase activity in the central nervous system of mice during morphine dependence development, withdrawal and naloxone treatment. Sood PP, et al. **Clin Physiol Biochem** 1985;3(4):193-8

Lack of effect of naloxone in a moderate dosage on the exercise-induced increase in blood pressure, heart rate, plasma catecholamines, plasma renin activity and plasma aldosterone in healthy males. Bramnert M, et al. **Clin Sci** 1985 Feb;68(2):185-91

Possible involvement of epinephrine in the cardiovascular effect of naloxone in humans. Hernandez J, et al. **Clin Ther** 1985;7(4):418-23

Naloxone improves myocardial perfusion in hypovolemic shock. Tuggle DW, et al. **Curr Surg** 1985 May-Jun; 42(3):195-8

Opioid and neurotransmitter regulation of pituitary gonadotropin-releasing hormone (GnRH) receptors in the ovariectomized estradiol-treated rat: role of altered GnRH secretion. Barkan AL, et al. **Endocrinology** 1985 Mar; 116(3):1003-10

Thyrotropin releasing hormone and naloxone attenuate the antihypertensive action of central alpha 2-adrenoceptor stimulation through different mechanisms. Kunos G, et al. **Endocrinology** 1984 Dec;115(6):2481-3

Effect of naloxone on luteinizing hormone, follicle-stimulating hormone, and prolactin secretion in the different phases of the estrous cycle. Piva F, et al. **Endocrinology** 1985 Aug;117(2):766-72

Effects of naloxone on basal and stimulated insulin secretion in the mouse. Ahrén B, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):135-9

Exogenous and endogenous opioid-induced enhancements of naloxone's effects on serum luteinizing hormone levels in the male rat. Cicero TJ, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):273-84

Blockade by naloxone and naltrexone of the TRH-induced stimulation of colonic transit in the rabbit. Horita A, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):289-93

Naloxone inhibits both glucocorticoid and [D-Ala2,Met5]enkephalinamide reversal of behavioural effect of adrenalectomy. Jefferys D, et al. **Eur J Pharmacol** 1984 Aug 17;103(3-4):205-10

Comparative antagonism by naltrexone and naloxone of mu, kappa, and delta agonists. Takemori AE, et al. **Eur J Pharmacol** 1984 Sep 3;104(1-2):101-4

The effect of methadone and naloxone on cultured rat liver cells. Beverley CL, et al. **Exp Cell Biol** 1984;52(3):170-5

Effects of naloxone and repeated stimulus presentation on cortical somatosensory evoked potential (SEP) amplitude in the rat. Dowman R, et al. **Exp Neurol** 1985 Jul;89(1):9-23

Ocular instillation of naloxone increases intraocular pressure in morphine-addicted patients: a possible test for detecting misuse of morphine. Drago F, et al. **Experientia** 1985 Feb 15;41(2):266-7

Circling behavior induced by phencyclidine in mice and its inhibition by naloxone. Eshel Y, et al. **Experientia** 1985 Jan 15;41(1):73-4

Naloxone prevents the analgesic action of alpha-MSH in mice. Ohkubo T, et al. **Experientia** 1985 May 15;41(5):627-8

Serotonin but not dopamine is involved in the naloxone-induced luteinizing hormone release in man. Foresta C, et al. **Fertil Steril** 1985 Mar;43(3):447-50

Effect of loperamide and naloxone on mouth-to-caecum transit time evaluated by lactulose hydrogen breath test. Basilisco G, et al. **Gut** 1985 Jul;26(7):700-3

Concomitant suppression of plasma ACTH- and beta-endorphin-like immunoreactivity by cyproheptadine, naloxone, and somatostatin in the ectopic ACTH syndrome. Nakashima H, et al. **Horm Metab Res** 1985 Apr; 17(4):205-8

Naloxone does not interfere with the dopamine-induced decrease in gonadotropin secretion in women with polycystic ovarian disease. Paradisi R, et al. **Horm Metab Res** 1985 Jan;17(1):29-31

Effects of naloxone-induced opiate receptors blockade on insulin secretion in obesity. Vettor R, et al. **Horm Metab Res** 1985 Jul;17(7):374-5

Three different types of alpha-interferons alter naloxone-induced abstinence in morphine-addicted rats. Dafny N, et al. **Immunopharmacology** 1985 Feb;9(1):13-7

Venospastic activity of somatostatin in vivo in man: naloxone reversible tachyphylaxis. Sicuteri F, et al. **Int J Clin Pharmacol Res** 1984;4(3):253-7

Anti-opiate (naloxone) suppression of Cushingoid degenerative changes in obese/SHR. Wexler BC, et al. **Int J Obes** 1985;9(2):77-91

Effects of naloxone on exercise performance. Surbey GD, et al. **J Appl Physiol** 1984 Sep;57(3):674-9

Cardiovascular responses to central clonidine, alpha-methyldopa, and 6-hydroxydopamine in conscious normotensive and spontaneously hypertensive rats following naloxone. Head GA, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):321-6

Effects of (D-Met2,Pro5)-enkephalinamide and naloxone on pial vessels in cats. Kobari M, et al. **J Cereb Blood Flow Metab** 1985 Mar;5(1):34-9

Effects of enkephalins, morphine, and naloxone on pial arteries during perivascular microapplication. Wahl M. **J Cereb Blood Flow Metab** 1985 Sep;5(3):451-7

Naloxone-induced prolactin secretion in women: evidence against a direct prolactin stimulatory effect of endogenous opioids. Cetel NS, et al. **J Clin Endocrinol Metab** 1985 Jan;

60(1):191-6

Influence of naloxone on the total capacitance vasculature of the dog. Bell L, et al. **J Clin Invest** 1985 Jun; 75(6):1894-1903

Effects of naloxone on the breathing, electrocortical, heart rate, glucose and cortisol responses to hypoxia in the sheep fetus. Adamson SL, et al. **J Dev Physiol** 1984 Dec; 6(6):495-507

Central opioids: a possible role in parturition? Leng G, et al. **J Endocrinol** 1985 Aug;106(2):219-24

Naloxone-induced secretion of LH in the male Syrian hamster: modulation by photoperiod and gonadal steroids. Roberts AC, et al. **J Endocrinol** 1985 Aug;106(2):243-8

Induction of precocious puberty in the female rat after chronic naloxone administration during the neonatal period: the opiate 'brake' on prepubertal gonadotrophin secretion. Sirinathsinghji DJ, et al. **J Endocrinol** 1985 Feb; 104(2):299-307

Effect of different doses of naloxone on serum levels of prolactin and gonadotropins in young male volunteers. Knuth UA, et al. **J Endocrinol Invest** 1985 Feb;8(1):55-7

Disappearance of opioid control of LH secretion in short term ovariectomized women. Melis GB, et al. **J Endocrinol Invest** 1985;8 Suppl 2:41-6

Environmentally induced analgesia: an age-related decline in an endogenous opioid system. Hamm RJ, et al. **J Gerontol** 1985 May;40(3):268-74

Interactions between naloxone and GABA in the control of locomotor activity in the rat. Agmo A, et al. **J Neural Transm** 1985;61(3-4):137-49

Naloxone increases electrophysiological measures of selective information processing in humans. Arnsten AF, et al. **J Neurosci** 1984 Dec;4(12):2912-9

Influence of naloxone on the captopril-induced decrease in vagal pressor reflexes. Montastruc P, et al. **J Pharmacol** 1984 Oct-Dec;15(4):421-6

Identification of multiple opiate receptors through neuroendocrine responses. II. Antagonism of mu, kappa and sigma agonists by naloxone and WIN 44,441-3. Pechnick R, et al. **J Pharmacol Exp Ther** 1985 Jan; 232(1):170-7

Naloxone increases blood flow in the human hand. Archer AG, et al. **J Physiol (Lond)** 1985 Jun;363:315-21

Localized effects of naloxone on local cerebral glucose utilization in rat cerebral nuclei with Met-enkephalinergic neurons. Hayashi T, et al. **Jpn J Pharmacol** 1984 Nov; 36(3):339-48

Naloxone antagonises effect of alpha-gliadin on leucocyte migration in patients with coeliac disease. Horváth K, et al. **Lancet** 1985 Jul 27;2(8448):184-5

Luteinizing hormone releasing hormone mediates naloxone's effects on serum luteinizing hormone levels in normal and morphine-sensitized male rats. Cicero TJ, et al. **Life Sci** 1985 Aug 5;37(5):467-74

Enhancement of opiate-induced depressions in serum luteinizing hormone levels by the prior administration of naloxone in the male rat. Cicero TJ, et al. **Life Sci** 1984 Sep 17;35(12):1321-8

Stimulation of ACTH release by naloxone: central or peripheral action? Ježová D. **Life Sci** 1985 Sep 16; 37(11):1007-13

Studies of naloxone-induced secretion of beta-endorphin immunoreactivity in dogs. Levin ER, et al. **Life Sci** 1984 Oct 8;35(15):1535-45

Naloxone inhibits the plasma epinephrine response to ACTH but not to 2-deoxy-D-glucose in rats. Okajima T, et al. **Life Sci** 1984 Nov 26;35(22):2177-81

Effects of systemic or intracerebroventricular naloxone injection on basal and 2-deoxy-D-glucose-induced ingestive behavior. Pénicaud L, et al. **Life Sci** 1984 Dec 3;35(23):2297-302

Long-term changes in self-stimulation threshold by repeated morphine and naloxone treatment. van Wolfswinkel L, et al. **Life Sci** 1985 Jul 15;37(2):169-76

Stressors produce a concurrent decrease and increase in reflex amplitude in rats treated with naloxone. Warren PH, et al. **Life Sci** 1984 Sep 24;35(13):1409-14

The involvement of histamine receptors in morphine-induced increased naloxone potency in mice. Wong CL. **Methods Find Exp Clin Pharmacol** 1985 Feb;7(2):69-74

Effect of naloxone on food consumption in obesity [letter] Wolkowitz OM, et al. **N Engl J Med** 1985 Aug 1;313(5):327

Chronic naloxone increases opiate binding in SHR and WKY rats. Hahn EF. **Neurochem Res** 1984 Dec;9(12):1749-56

Short-day exposure eliminates the LH response to naloxone in golden hamsters. Eskes GA, et al. **Neuroendocrinology** 1984 Sep;39(3):281-3

Effects of alpha-flupenthixol and naloxone on CRF-induced locomotor activation. Koob GF, et al. **Neuroendocrinology** 1984 Nov;39(5):459-64

The actions of prostaglandin E2, naloxone and testosterone on starvation-induced suppression of luteinizing hormone-releasing hormone and luteinizing-hormone secretion. In vitro and in vivo studies. Küderling I, et al. **Neuroendocrinology** 1984 Dec;39(6):530-7

Effects of naloxone on catecholamine and LHRH release from the perifused hypothalamus of the steroid-primed rat. Leadem CA, et al. **Neuroendocrinology** 1985 Jun; 40(6):497-500

Naloxone-induced dissociation of oxytocin and prolactin releases. Samson WK, et al. **Neuroendocrinology** 1985 Jan; 40(1):68-71

Modulation of lordosis behavior of female rats by naloxone, beta-endorphin and its antiserum in the mesencephalic central gray: possible mediation via GnRH. Sirinathsinghji DJ. **Neuroendocrinology** 1984 Sep;39(3):222-30

Altered sensitivity to an opiate antagonist, naloxone, in hyperprolactinemic male rats. Sweeney CA, et al. **Neuroendocrinology** 1985 Jul;41(1):1-6

Evidence for opiate receptor involvement in the consumption of a high palatability diet in nondeprived rats. Cooper SJ, et al. **Neuropeptides** 1985 Feb;5(4-6):345-8

The effect of tolerance on opiate dependence as measured by the adenylate cyclase rebound response to naloxone in the NG108-15 model system. Greenspan DL, et al. **Neuropeptides** 1984 Dec;5(1-3):41-4

Further evidence for a bidirectional effect of naloxone on the pain threshold in tolerant and non-tolerant arthritic rats. Kayser V, et al. **Neuropeptides** 1984 Dec;5(1-3):49-52

Selected opioids and responding for intracranial reinforcement. Reid LD, et al. **Neuropeptides** 1985 Feb; 5(4-6):331-4

Electrophysiologically recorded C-fiber reflexes in intact and acute decerebrate-spinal cats: absence of naloxone facilitation in intact cats. Bell JA, et al. **Neuropharmacology** 1985 Jun;24(6):555-9

Evidence that naloxone attenuates the consumption of food by domestic pigeons through a central influence. Deviche P, et al. **Neuropharmacology** 1984 Oct;23(10):1173-8

Potentiation of total horizontal activity and ambulation in rats treated with combinations of beta-phenylethylamine and naloxone. Dourish CT, et al. **Neuropharmacology** 1984 Sep;23(9):1059-64

Influence of naloxone on the effects of LSD in monkeys. Hadorn DC, et al. **Neuropharmacology** 1984 Nov; 23(11):1297-300

Microiontophoretic application of morphine and naloxone to neurons in hypothalamus of rat. Prieto-Gomez B, et al. **Neuropharmacology** 1984 Sep;23(9):1081-9

Effect of fentanyl and naloxone on the P300 auditory potential. Velasco M, et al. **Neuropharmacology** 1984 Aug; 23(8):931-8

Antagonism of the effect of delta sleep-inducing peptide by naloxone in the rat. Young AM, et al. **Neuropharmacology** 1984 Nov;23(11):1347-50

Naloxone reduces alcohol intake in a free-choice procedure even when both drinking bottles contain saccharin sodium or quinine substances. De Witte P. **Neuropsychobiology** 1984;12(2-3):73-7

Effect of naloxone on dopamine uptake and release in vitro in the striatum. Feigenbaum JJ, et al. **Neuropsychobiology** 1984;11(2):94-7

Up-regulation of opiate receptors by opiate antagonists in neuroblastoma-glioma cell culture: the possibility of interaction with guanosine triphosphate-binding proteins. Barg J, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):133-7

Relative effectiveness of naloxone and MR2266 in potentiating oestrogen-stimulated luteinizing hormone surges in ovariectomized female rats. Dyer RG, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):111-5

High dose naloxone produces cerebral vasodilation. Turner DM, et al. **Neurosurgery** 1984 Aug;15(2):192-7

Naloxone does not influence a pyrogen fever in rabbits. Hellon RF, et al. **Pflugers Arch** 1985 Jul;404(3):290-1

Effects of intracerebroventricular injection of naloxone on operant feeding and drinking in pigs. Baldwin BA, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):37-40

Opiate receptor supersensitivity produced by chronic naloxone treatment: dissociation of morphine-induced antinociception and conditioned taste aversion. Bardo MT, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):591-7

Behavioral effects of TRH, 3-Me-His2-TRH and naloxone in Hemichromis bimaculatus. Christ H. **Pharmacol Biochem Behav** 1984 Nov;21(5):727-32

Stress analgesia: effects of PCPA, yohimbine, and naloxone. Coderre TJ, et al. **Pharmacol Biochem Behav** 1984 Nov; 21(5):681-6

Inhibition of mating by naloxone or morphine in recently castrated, but not intact male rats. Lieblich I, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):361-4

Continuous infusion of naloxone: effects on behavior and oxygen consumption. Malin DH, et al. **Pharmacol Biochem Behav** 1985 May;22(5):791-5

Naloxone alters the effects of LSD, DOM and quipazine on operant behavior of rats. Mokler DJ, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):333-7

Saline drinking and naloxone: lightcycle dependent effects on social behaviour in male mice. Paterson AT, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):495-9

Comparative effects of prolyl-leucyl-glycinamide and naloxone on morphine-induced inhibition of gastrointestinal transit. Pillai NP, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):365-8

Possible noradrenergic involvement in naloxone potentiation of apomorphine-induced stereotypic climbing in mice. Quock RM, et al. **Pharmacol Biochem Behav** 1984 Nov; 21(5):733-6

Oral ethanol self-administration in the rat: effect of naloxone. Samson HH, et al. **Pharmacol Biochem Behav** 1985 Jan; 22(1):91-9

Morphine and naloxone effects on tonic immobility and the dorsal immobility response in the rat. Smith RL, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):505-7

Lack of renal tubular and hemodynamic effects of non-selective and delta-opioid receptor antagonism. Barrett RJ, et al. **Pharmacol Res Commun** 1985 Jan; 17(1):49-61

Effects of morphine and naloxone on restraint-stress ulcers in rats. Glavin GB. **Pharmacology** 1985;31(1):57-60

Stereospecific inhibition by naloxone of histamine-stimulated acid secretion in isolated guinea pig parietal cells. Kromer W, et al. **Pharmacology** 1984;29(6):320-8

TRH-induced hormonal responses: the effect of pizotifene and naloxone. Banki CM, et al. **Pharmacopsychiatry** 1985 Jul;18(4):267-71

Naloxone induced suppression of feeding in tigers. Billington CJ, et al. **Physiol Behav** 1985 Apr;34(4):641-3

Effects of naloxone and chlordiazepoxide on lateral hypothalamic self-stimulation in rats. Ichitani Y, et al. **Physiol Behav** 1985 May;34(5):779-82

Environment modulates naloxone's suppressive effect on feeding in diabetic and non-diabetic rats. Levine AS, et al. **Physiol Behav** 1985 Mar;34(3):391-3

Feeding behavior responses of Zucker rats to naloxone. McLaughlin CL, et al. **Physiol Behav** 1984 May; 32(5):755-61

Increased sensitivity of Zucker obese rats to naloxone is present at weaning. McLaughlin CL, et al. **Physiol Behav** 1984 Jun;32(6):929-33

Effects of naloxone and buprenorphine on intravenous acetaldehyde self-injection in rats. Myers WD, et al. **Physiol Behav** 1984 Sep;33(3):449-55

Opioid modulation of ingestive behaviors in woodchucks and racoons. Nizielski SE, et al. **Physiol Behav** 1985 Feb; 34(2):171-6

Effects of naloxone on regional blood flow distribution in canine hemorrhagic shock. Lechner RB, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):227-33

Naloxone reduces release of creatine kinase in the isolated ischemic rat heart. Lee AY, et al. **Proc Soc Exp Biol Med** 1985 Jun;179(2):219-21

The effects of naloxone on canine splanchnic arterial smooth muscle. Sasaki T, et al. **Proc Soc Exp Biol Med** 1984 Dec; 177(3):422-7

Naloxone and naltrexone block the gastrointestinal effects of TRH and MK-212. Horita A, et al. **Proc West Pharmacol Soc** 1984;27:385-6

Timing of yawns induced by a small dose of apomorphine and its alteration by naloxone. Szechtman H. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):743-6

Influence on memory of posttraining or pre-test injections of ACTH, vasopressin, epinephrine, and beta-endorphin, and their interaction with naloxone. Izquierdo I, et al. **Psychoneuroendocrinology** 1985;10(2):165-72

Differential responses in prolactin levels induced by naloxone in humans. Steardo L, et al. **Psychoneuroendocrinology** 1985;10(2):203-9

Behavioral effects of naloxone and nalorphine preceding and following morphine maintenance in the rhesus monkey. Bergman J, et al. **Psychopharmacology (Berlin)** 1985; 86(3):324-7

Naloxone suppresses fluid consumption in tests of choice between sodium chloride solutions and water in male and female water-deprived rats. Cooper SJ, et al. **Psychopharmacology (Berlin)** 1984;84(3):362-7

Ingestive behaviour of the pigeon: stereoselective influence of the opiate agonist levorphanol and its antagonism by naloxone. Deviche P, et al. **Psychopharmacology (Berlin)** 1984;83(4):357-62

Influence of naloxone on antidepressant drug effects in the forced swimming test in mice. Devoize JL, et al. **Psychopharmacology (Berlin)** 1984;84(1):71-5

The opiate quasiwithdrawal syndrome in rhesus monkeys: comparison of naloxone-precipitated withdrawal to effects of cholinergic agents. Katz JL, et al. **Psychopharmacology (Berlin)** 1984;84(1):12-5

Acute effects of naloxone and naltrexone, but lack of delayed effects, on exploratory behavior in the rat. Koek W, et al. **Psychopharmacology (Berlin)** 1984;84(3):383-7

Aversive properties of naloxone in non-dependent (naive) rats may involve blockade of central beta-endorphin. Mucha RF, et al. **Psychopharmacology (Berlin)** 1985; 86(3):281-5

Effects of naloxone, beta-endorphin and ACTH on acquisition of schedule-induced polydipsia. Tazi A, et al. **Psychopharmacology (Berlin)** 1985;85(1):87-91

Effects of phencyclidine, haloperidol, and naloxone on fixed-interval performance in rats. Wagner GC, et al. **Psychopharmacology (Berlin)** 1984;84(1):32-8

Naloxone's effect on cognitive functioning in drug-free and diazepam-treated normal humans. Wolkowitz OM, et al. **Psychopharmacology (Berlin)** 1985;85(2):221-3

The hypertensive response to naloxone--a commentary. Gillman MA. **S Afr Med J** 1984 Oct 13;66(15):551-2 (45 ref.)

Comparison of the effect of naloxone on cerebral versus mesenteric arterial smooth muscle in feline and primate species. Sasaki T, et al. **Stroke** 1984 Nov-Dec;15(6):1025-8

The interference of naloxone hydrochloride in the teratogenic activity of opiates. Jurand A. **Teratology** 1985 Apr;31(2):235-40

The effects of morphine, naloxone and capsaicin on C-fiber reflex and heat evoked discharge in acute spinal cats. Matsumiya T, et al. **Tokai J Exp Clin Med** 1984 Mar; 9(1):13-20

EWARK PUBLIC LIBRAR

The effect of naloxone on C-fiber reflex in cats. Matsumiya T, et al. **Tokai J Exp Clin Med** 1984 Aug;9(3):223-30

[Changes in evoked potentials in pain and the tolerance threshold to intensive stimulation after naloxone administration in patients with congenital analgesia] Meng ZH. **Chung Hua I Hsueh Tsa Chih** 1984 Dec;64(12):749-52, 792 (Eng. Abstr.) (Chi)

[Hemodynamic effects of naloxone in brain death (preliminary results)] Maurette P, et al. **Agressologie** 1985 Jan;26(1):69-71 (Eng. Abstr.) (Fre)

[Changes in water metabolism in rats under the influence of naloxone: role of vasopressin] Auriac A, et al. **Biomed Pharmacother** 1985;39(2):94-8 (Eng. Abstr.) (Fre)

[Changes in LH, FSH, PRL and estradiol after perfusion with naloxone in normal and amenorrheic women] Gandar R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984; 13(7):765-9 (Eng. Abstr.) (Fre)

[The effects of naloxone reversal on enflurane-N2O-O2 anesthesia] Takeshima R, et al. **Masui** 1984 Oct; 33(10):1064-9 (Eng. Abstr.) (Jpn)

[Effect of naloxone on focal cerebral ischemia in cats] Kobayashi H, et al. **No Shinkei Geka** 1985 Jan;13(1):45-50 (Eng. Abstr.) (Jpn)

[Endorphins, enkephalins and their antagonists in clinical practice (review of the literature)] Oleĭnik VA, et al. **Vrach Delo** 1985 May;(5):80-6 (164 ref.) (Rus)

[Effect of naloxone on coughing] Carreira-Monteiro ME, et al. **Rev Esp Fisiol** 1985 Mar;41(1):43-7 (Eng. Abstr.) (Spa)

[Respiratory effects of naloxone] Carreira-Monteiro ME, et al. **Rev Esp Fisiol** 1985 Jun;41(2):187-93 (Eng. Abstr.) (Spa)

[Effect of various doses of naloxone on circulating corticosterone levels in the rat] Montilla P, et al. **Rev Esp Fisiol** 1984 Dec;40(4):401-4 (Eng. Abstr.) (Spa)

PHYSIOLOGY

Impairment of opioid control of luteinizing hormone secretion in menstrual disorders. Petraglia F, et al. **Fertil Steril** 1985 Apr;43(4):534-40

THERAPEUTIC USE

Mechanism of action of beta-endorphin and naloxone in hypophysectomized rats with hemorrhagic shock--the role of CNS. Machuganska A, et al. **Acta Physiol Pharmacol Bulg** 1985;11(1):34-42

Successful use of naltrexone in addicted physicians and business executives. Washton AM, et al. **Adv Alcohol Subst Abuse** 1984 Winter;4(2):89-96

Antagonism of acute alcohol intoxication by naloxone. Badawy AA, et al. **Alcohol Alcohol** 1984;19(3):199-201

Naloxone in hepatic encephalopathy [letter] Ozsoylu S, et al. **Am J Dis Child** 1985 Aug;139(8):749-50

Naloxone in clonidine toxicity [letter] Tenenbein M. **Am J Dis Child** 1984 Nov;138(11):1084-5

Naloxone in shock and toxic coma. Chen HL. **Am J Emerg Med** 1984 Sep;2(5):444-52 (109 ref.)

Opiate antagonists in shock and trauma. Holaday JW. **Am J Emerg Med** 1984 Jan;2(1):8-12

Beneficial effects of naloxone in a patient with intestinal pseudoobstruction. Schang JC, et al. **Am J Gastroenterol** 1985 Jun;80(6):407-11

Reversal of captopril-induced psychosis with naloxone [letter] Gillman MA, et al. **Am J Psychiatry** 1985 Feb; 142(2):270

Naloxone in cardiorespiratory arrest [letter] Berlot G, et al. **Anaesthesia** 1985 Aug;40(8):819

Postoperative pain relief with naloxone. Severe respiratory depression and pain after high dose buprenorphine. Schmidt JF, et al. **Anaesthesia** 1985 Jun;40(6):583-6

Naloxone reversal of postoperative apnea in a premature infant. Beilin B, et al. **Anesthesiology** 1985 Sep;63(3):317-8

Naloxone and TRH in the treatment of shock and trauma: what future roles? Bernton EW. **Ann Emerg Med** 1985 Aug; 14(8):729-35 (37 ref.)

Naloxone abolishes self-injuring in a mentally retarded child [letter] Sandyk R. **Ann Neurol** 1985 May;17(5):520

Naloxone does not benefit levodopa-induced hallucinations in Parkinson's disease [letter] Sandyk R, et al. **Ann Neurol** 1984 Dec;16(6):723

Evaluation of naloxone for therapy of Escherichia coli shock. Species differences. Hinshaw LB, et al. **Arch Surg** 1984 Dec;119(12):1410-8

High-dose naloxone administration in chronic schizophrenia. Cohen MR, et al. **Biol Psychiatry** 1985 May;20(5):573-5

Naloxone--paradox or panacea? [editorial] Smith G, et al. **Br J Anaesth** 1985 Jun;57(6):547-9

Periodic breathing triggered by hypoxia in normal awake adults. Modification by naloxone. Chadha TS, et al. **Chest** 1985 Jul;88(1):16-23

Increased survival of endotoxin-injected dogs treated with methylprednisolone, naloxone, and ibuprofen. Almqvist PM, et al. **Circ Shock** 1984;14(2):129-36

Effect of temperature on naloxone treatment in canine hemorrhagic shock. Horton JW, et al. **Circ Shock** 1984; 14(4):251-65

Naloxone may be beneficial in the treatment of tardive dyskinesia. Blum I, et al. **Clin Neuropharmacol** 1984; 7(3):265-7

Naloxone ameliorates narcolepsy [letter] Sandyk R, et al. **Clin Neuropharmacol** 1985;8(1):96-7

Naloxone therapy of septic shock [letter] **Crit Care Med** 1985 Oct;13(10):874-7

Efficacy and safety of naloxone in septic shock. Rock P, et al. **Crit Care Med** 1985 Jan;13(1):28-33

Naloxone in experimental spinal cord ischemia: dose-response studies. Faden AI, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):115-20

Effect of naloxone on arterial gases in chronically obstructed patients with acute respiratory failure. Montserrat JM, et al. **Eur J Respir Dis** 1985 Jan;66(1):77-9

Naloxone is protective against indomethacin-induced intestinal ulceration in the rat. Waisman Y, et al. **Gastroenterology** 1985 Jul;89(1):86-91

Naloxone in cerebral ischemia: preliminary data. Bussone G, et al. **Ital J Neurol Sci** 1985 Mar;6(1):89-92

Effects of naloxone in treatment of senile dementia [letter] Steiger WA, et al. **J Am Geriatr Soc** 1985 Feb;33(2):155

Naloxone treatment for codeine-induced gastrointestinal symptoms. Fossel M, et al. **J Emerg Med** 1984;2(2):107-10

A phase I trial of naloxone treatment in acute spinal cord injury. Flamm ES, et al. **J Neurosurg** 1985 Sep;63(3):390-7

Central nervous system depression from chlorpromazine poisoning: successful treatment with naloxone. Chandavasu O, et al. **J Pediatr** 1985 Mar;106(3):515-6

Comparison of physostigmine and naloxone in the treatment of acute heroin overdose [letter] Landis F, et al. **J Toxicol Clin Toxicol** 1984;22(5):493-8

Naloxone versus placebo in treatment of septic shock. DeMaria A, et al. **Lancet** 1985 Jun 15;1(8442):1363-5

Value of naloxone in septic shock [letter] Soulioti AM. **Lancet** 1985 Aug 24;2(8452):452

Naloxone and methylprednisolone sodium succinate enhance sympathomedullary discharge in patients with septic shock. Hughes GS Jr. **Life Sci** 1984 Dec 3;35(23):2319-26

The effects of naloxone infusion and stellate ganglion blockade on hot flushes in the human male. Hendy MS, et al. **Maturitas** 1985 Jul;7(2):169-74

Effects of naloxone and other opiate antagonists on blood-ethanol concentration in acutely-ethanol-intoxicated rats. Badawy AA, et al. **Neuropeptides** 1985 Feb;5(4-6):341-4

The use of the opiate antagonist, naloxone, in the treatment of intractable pain. Budd K. **Neuropeptides** 1985 Feb; 5(4-6):419-22

Effect of Win 44441-3 and naloxone on endotoxin-induced hypotensive shock in anesthetized hypertensive rats. DeFelice AF, et al. **Neuropeptides** 1985 Feb;5(4-6):299-302

Effect of naloxone on the state of patients with endogenous psychoses. Lideman RR, et al. **Neurosci Behav Physiol** 1984 Nov-Dec;14(6):471-5

Effect of naloxone on deficits after aneurysmal subarachnoid hemorrhage. Bell BA, et al. **Neurosurgery** 1985 Apr; 16(4):498-501

Effects of naloxone during high dose barbiturate anesthesia. Turner DM, et al. **Neurosurgery** 1984 Oct;15(4):509-13

Endogenous opioid system in catatonia [letter] Sandyk R **Psychiatry Res** 1985 Jun;15(2):159

Repeated naloxone administration in schizophrenia. Verhoeven WM, et al. **Psychiatry Res** 1984 Aug; 12(4):297-312

Effects of naloxone on cognitive deficits following electroconvulsive therapy. Nasrallah HA, et al. **Psychopharmacol Bull** 1985;21(1):89-90

Low- and high-dose naloxone in dementia of the Alzheimer type. Tariot PN, et al. **Psychopharmacol Bull** 1985; 21(3):680-2

Naloxone does not prevent death after rapid hemorrhage in swine. Traverso LW, et al. **Surg Gynecol Obstet** 1985 Sep; 161(3):229-39

Effect of naloxone on functional recovery after experimental spinal cord injury in the rat. Arias MJ. **Surg Neurol** 1985 Apr;23(4):440-2

Experimental vasospasm: experiences with a canine model and failure of naloxone therapy. Sakaguchi A, et al. **Surg Neurol** 1984 Nov;22(5):527-31

[Our experience with naloxone in standard neurosurgical practice] Lajoix M, et al. **Agressologie** 1984 May; 25(6):709-12 (Eng. Abstr.) (Fre)

[Massive accidental oral poisoning due to opiates. Details and treatment. Use of naloxone in an emergency situation] Paccaud D. **Rev Med Suisse Romande** 1984 Sep; 104(9):721-3 (Fre)

[Basilar migraine with alexia but not agraphia: arterial spasm on arteriography and the effect of naloxone] Laurent B, et al. **Rev Neurol (Paris)** 1984;140(11):663-5 (Eng. Abstr.) (Fre)

[Naloxone in the treatment of shock] Jastrzebski J, et al. **Pol Tyg Lek** 1984 Oct 22;39(43):1409-12 (Eng. Abstr.) (Pol)

[Effect of naloxone and thyroliberin on respiration in acute hypoxia] Voinov VA, et al. **Biull Eksp Biol Med** 1984 Oct; 98(10):408-10 (Eng. Abstr.) (Rus)

[Naloxone and endogenous opiates in shock] Nielsen JV, et al. **Lakartidningen** 1984 Oct 10;81(41):3717-8 (Swe)

NALTREXONE see under **NALOXONE**

NAMES

Estimation of inbreeding by isonymy in Iberoamerican populations: an extension of the method of crow and mange. Pinto-Cisternas J, et al. **Am J Hum Genet** 1985 Mar;37(2):373-85

Not by any other name. Brockopp DY, et al. **Am J Nurs** 1985 Apr;85(4):510

Changing isonymic relationships in Fylingdales parish, North Yorkshire, 1841-1881. Smith MT, et al. **Ann Hum Biol** 1984 Sep-Oct;11(5):449-57

Phonetic reduction of names. Fenna D. **Comput Programs Biomed** 1984;19(1):31-6

Use of surnames in ethnic research: the case of Kims in the Korean-American population. Shin EH, et al. **Demography** 1984 Aug;21(3):347-60

Consanguinity and social change: an isonymic study of a French peasant population, 1870-1979. Crognier E. **J Biosoc Sci** 1985 Jul;17(3):267-79

A system of alias assignment for unidentified patients requiring emergency hospital admission. Robinson G, et al. **J Trauma** 1985 Apr;25(4):333-6

'Hey, you!' and other forms of address [editorial] King LS. **JAMA** 1985 Jul 12;254(2):266-7

NANDROLONE

ANALOGS & DERIVATIVES

Regeneration of murine megakaryocytopoiesis and the hematopoietic inductive microenvironment after sublethal whole body irradiation by treatment with an anabolic steroid. Gallicchio VS, et al. **Acta Haematol (Basel)** 1985; 73(2):80-5

Effect of cyclophosphamide, Trenimon, somatotropin and Nerobolil of healing of experimental cutaneo-muscular wound. Grygieńcza W, et al. **Acta Med Pol** 1983; 24(1-4):25-41

Gas chromatographic/mass spectrometric analysis of 19-nortestosterone urinary metabolites in man. Massé R, et al. **Biomed Mass Spectrom** 1985 Mar;12(3):115-21

Nandrolone decanoate added to tamoxifen in the treatment of advanced breast cancer. Heinonen E, et al. **Breast Cancer Res Treat** 1985;5(1):75-80

Binding of mibolerone to androgen receptor of benign hypertrophic human prostate. Comparison with R1881. Akimoto S, et al. **Endocrinol Jpn** 1985 Feb;32(1):141-52

The effect of a single midcycle administration of 0.5 or 2.0 mg dienogest (17 alpha-cyanomethyl-17 beta-hydroxy-estra-4,9-dien-3-one) on pituitary and ovarian function--investigation for the use as a postcoital contraceptive. Köhler G, et al. **Exp Clin Endocrinol** 1984 Dec;84(3):299-304

Effects of androgen on transient endogenous spleen colonies and other hemopoietic stem cells in mice. Kamamoto T, et al. **Exp Hematol** 1985 Aug;13(7):616-22

The enhancement of committed hematopoietic stem cell colony formation by nandrolone decanoate after sublethal whole body irradiation. Gallicchio VS, et al. **Int J Cell Cloning** 1984 Nov;2(6):383-93

Effects of nandrolone decanoate in NZB/W mice treated concomitantly with maintenance doses of dexamethasone sodium phosphate. Verheul HA, et al. **Int J Immunopharmacol** 1985;7(2):249-54

Fertility of young mares after long-term anabolic steroid treatment. Squires EL, et al. **J Am Vet Med Assoc** 1985 Mar 15;186(6):583-7

Anabolic steroids in severe chronic renal failure. Malhotra KK, et al. **J Assoc Physicians India** 1984 Oct;32(10):878-80

Radioimmunoassay for serum levels of an anti-androgen TSAA-291 (Oxendolone) in rats. Sudo K, et al. **J Pharmacobiodyn** 1984 Jun;7(6):378-84

Use of a new radioactive ligand, 7 alpha, 17 alpha-dimethyl[17 alpha-methyl 3H]19-nortestosterone for the estimation of androgen receptors in rat liver cytosol. Bannister P, et al. **J Steroid Biochem** 1985 Jul;23(1):121-3

On the effect of the new progestagen dienogest (STS 557) on the proliferative responses of rabbit blood lymphocytes to mitogens. Bräuer R, et al. **Pharmazie** 1984 Aug; 39(8):580-1

The use of radioactive 7 alpha, 17 alpha-dimethyl-19-nortestosterone (mibolerone) in the assay of androgen receptors. Schilling K, et al. **Prostate** 1984;5(6):581-8

[Derivatives of nortestosterone metabolites useful in the preparation of immunogens for the radioimmunologic control of doping] Vodičková I, et al. **Cesk Farm** 1984 Jul;33(6):221-9 (Eng. Abstr.) (Cze)

[Chromosome analysis of female baboons following treatment with STS 557 and levonorgestrel] Strecke J, et al. **Zentralbl Gynakol** 1985;107(5):304-7 (Eng. Abstr.) (Ger)

[Clinical experience with oxendolone for treatment of benign prostatic hyperplasia. Clinical efficacy and effects on serum lipid and lipoprotein fraction levels] Yasukawa A, et al. **Hinyokika Kiyo** 1984 Apr;30(4):537-43 (Eng. Abstr.) (Jpn)

[Use of anabolic drugs and amino acid complex in patients with chronic enteritis] Vakhrushev IaM, et al. **Klin Med (Mosk)** 1985 Feb;63(2):103-6 (Eng. Abstr.) (Rus)

[Effect of retabolyl on the dynamics of urinary catecholamine and DOPA excretion and electroneuromyographic indices in patients with Duchenne's myodystrophy] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1630-5 (Eng. Abstr.) (Rus)

BLOOD

Pharmacokinetics of 19-nortestosterone esters in normal men. Belkien L, et al. **J Steroid Biochem** 1985 May;22(5):623-9

CHEMICAL SYNTHESIS

A new route to A-norsteroid ketones: synthesis of A-nortestosterone. Mincione E, et al. **Steroids** 1984 Feb;43(2):179-88

METABOLISM

Comparison of the receptor binding properties of nandrolone and testosterone under in vitro and in vivo conditions. Bergink EW, et al. **J Steroid Biochem** 1985 Jun;22(6):831-6

URINE

A specific radioimmunoassay for the detection of 19-nortestosterone in urine. Jansen EH, et al. **J Clin Chem Clin Biochem** 1985 Mar;23(3):145-50

Studies related to the metabolism of anabolic steroids in the horse: the phase I and phase II biotransformation of 19-nortestosterone in the equine castrate. Dumasia MC, et al. **Xenobiotica** 1984 Aug;14(8):647-55

NANISM see **DWARFISM**

NANNIZZIA see **MICROSPORUM**

NAPHAZOLINE see under **IMIDAZOLES**

NAPHTHACENES

BIOSYNTHESIS

[Leukemomycin-blocked mutants of Streptomyces griseus and their pigments. II. New 7-hydroxy-bisnahydro-rhodomycinones from the mutant ZIMET 41707/1P] Ihn W, et al. **Z Allg Mikrobiol** 1984;24(8):525-32 (Eng. Abstr.) **(Ger)**

METABOLISM

New anthracycline antibiotics obtained by microbial glycosidation of beta-isorhodomycinone and alpha 2-rhodomycinone. Yoshimoto A, et al. **J Antibiot (Tokyo)** 1984 Aug;37(8):935-8

NAPHTHALENEACETIC ACIDS

IMMUNOLOGY

Cell-mediated T lymphocyte responses against syngeneic cells modified with amino-reactive hapten (AED-NH2): H-2Dk serves as an element for cell-mediated lympholysis to amino-reactive hapten (AED-NH2)-modified self. Mizuochi T, et al. **J Immunol** 1985 Feb;134(2):673-6

NAPHTHALENES

PH Control in the fluorometric assay for selenium with 2,3-diaminonaphthalene. Bayfield RF, et al. **Anal Biochem** 1985 Feb 1;144(2):569-76

The use of 2-thionaphthyl acetate as a substrate for the localization and characterization of nonspecific esterase activity in rat alveolar and peritoneal macrophages. Sannes PL, et al. **Histochem J** 1985 Jan;17(1):43-56

Studies on the stability of 3H-dopamine, 3H-apomorphine and 3H-ADTN: effects of sodium ascorbate and EDTA. Cabbat FS, et al. **Res Commun Chem Pathol Pharmacol** 1985 Mar;47(3):333-43

[Experimental study on the relationship between experimental naphthalene cataract and iris color in the animal eye. III. Histochemical observation of o-diphenol oxidase activity in the iris and ciliary body in albino and pigmented rats] Nagata M. **Nippon Ganka Gakkai Zasshi** 1984 Jul;88(7):1049-53 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Contact dermatitis caused by cobalt naphthenate. Bedello PG, et al. **Contact Dermatitis** 1984 Oct;11(4):247

Notification and risk assessment for bladder cancer of a cohort exposed to aromatic amines. III. Mortality among workers exposed to aromatic amines in the last beta-naphthylamine manufacturing facility in the United States. Stern FB, et al. **J Occup Med** 1985 Jul;27(7):495-500

Emerald-green urine associated with Cuprex therapy [letter] Grant KD, et al. **South Med J** 1985 Mar;78(3):365-6

[Occupational toxicoderma caused by naphthalene] Tsyrkunov LP, et al. **Vestn Dermatol Venerol** 1985 May;(5):50-2 (Eng. Abstr.) **(Rus)**

ANALYSIS

Mothball differentiation: naphthalene from paradichlorobenzene. Winkler JV, et al. **Ann Emerg Med** 1985 Jan;14(1):30-2

On the analysis of 1-nitronaphthalene, 1-nitropyrene and 6-nitrochrysene in cigarette smoke. el-Bayoumy K, et al. **Carcinogenesis** 1985 Apr;6(4):505-7

Solid-state fluorodensitometric quantitation of arylnaphthalene lignan lactones of Cleistanthus collinus. Annapoorani KS, et al. **J Chromatogr** 1984 Oct 26;303(1):296-305

Investigation of isoprenoid benzoates and naphthoates by reversed-phase liquid chromatography. Isocratic elution characteristics of benzoates and naphthoates of C5-C20 terpenoid alcohols. Yang TH, et al. **J Chromatogr** 1984 Nov 16;312:121-22

Kinetics and mechanisms of thioamide rotational isomerism: N-thionaphthoyl-N-methyl glycine derivative. Lee HK, et al. **J Pharm Sci** 1985 Mar;74(3):273-6

Determination of tolrestat, a novel aldose reductase inhibitor, in serum and tissues. Hicks DR, et al. **Ther Drug Monit** 1984;6(3):328-33

BIOSYNTHESIS

Biosynthesis of ML-236B (compactin) and monacolin K. Endo A, et al. **J Antibiot (Tokyo)** 1985 Mar;38(3):444-8

Mevinolinic acid biosynthesis by Aspergillus terreus and its relationship to fatty acid biosynthesis. Greenspan MD, et al. **J Bacteriol** 1985 May;162(2):704-7

BLOOD

Three new contaminants detected in postmortem blood samples. Vine J, et al. **J Anal Toxicol** 1984 Nov-Dec;8(6):290-2

CHEMICAL SYNTHESIS

Derivatives of 2-amino-1,2,3,4-tetrahydronaphthalene, IX: Structure-activity relationships of cis- and trans-2-amino-5,8-dimethoxytetralin-3-ols and some analogues. Christova K, et al. **Arch Pharm (Weinheim)** 1984 Oct;317(10):829-34

Synthesis and structure-activity study of protease inhibitors. II. Amino- and guanidino-substituted naphthoates and tetrahydronaphthoates. Nakayama T, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):3968-80

6,7-Dihydroxy-3-chromanamine: synthesis and pharmacological activity of an oxygen isostere of the dopamine agonist 6,7-dihydroxy-2-aminotetralin. Horn AS, et al. **J Med Chem** 1984 Oct;27(10):1340-3

C(2)-Methylation abolishes DA1 dopamine agonist activity of 2-amino-6,7-dihydroxy-1,2,3,4-tetrahydronaphthalene (6,7-ADTN): steric intolerance by the receptor. Nichols DE, et al. **J Med Chem** 1984 Dec;27(12):1701-5

A substituent constant analysis of the interaction of substituted naphthalene monoimides with DNA. Stevenson KA, et al. **J Med Chem** 1984 Dec;27(12):1677-82

Synthesis and antifungal activity of (E)-N-(6,6-dimethyl-2-hepten-4-ynyl)-N-methyl-1-nap lenemethanamine (SF 86-327) and related allylamine derivatives with enhanced oral activity. Stütz A, et al. **J Med Chem** 1984 Dec;27(12):1539-43

Nontricyclic antidepressant agents derived from cis- and trans-1-amino-4-aryltetralins. Welch WM, et al. **J Med Chem** 1984 Nov;27(11):1508-15

Syntheses and hypotensive properties of substituted 2-aminotetralins. Repke DB, et al. **J Pharm Sci** 1985 Jan;74(1):37-9

Synthesis of some tetrahydronaphthyl-1,2,4-triazines of possible schistosomicidal activity. Nabih I, et al. **Pharmazie** 1984 Dec;39(12):862-3

DIAGNOSTIC USE

Use of the fluorescent probe 1-N-phenylnaphthylamine to study the interactions of aminoglycoside antibiotics with the outer membrane of Pseudomonas aeruginosa. Loh B, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):546-51

[DMNH chemiluminescence of ingesting monocytes] Eschenbach C, et al. **Klin Wochenschr** 1985 Apr 15;63(8):364-70 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Dihydromonacolin L and monacolin X, new metabolites which inhibit cholesterol biosynthesis. Endo A, et al. **J Antibiot (Tokyo)** 1985 Mar;38(3):321-7

Monacolins J and L, new inhibitors of cholesterol biosynthesis produced by Monascus ruber. Endo A, et al. **J Antibiot (Tokyo)** 1985 Mar;38(3):420-2

Resolution of 5,6-dihydroxy-2-(N,N-di-n-propylamino)tetralin in relation to the structural and stereochemical requirements for centrally acting dopamine agonists. Grol CJ, et al. **J Med Chem** 1985 May;28(5):679-83

Reversed-phase high-performance liquid chromatography of C5 to C20 isoprenoid benzoates and naphthoates. Yang TH, et al. **Methods Enzymol** 1985;111:252-63

METABOLISM

Effects of a fluoro substituent on the fungal metabolism of 1-fluoronaphthalene. Cerniglia CE, et al. **Appl Environ Microbiol** 1984 Aug;48(2):294-300

Evidence that 1-naphthol is not an obligate intermediate in the covalent binding and the pulmonary bronchiolar necrosis by naphthalene. Buckpitt AR, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1097-103

Enantioselectivity in glutathione conjugation of 1,2-epoxy-1,2,3,4-tetrahydronaphthalene by hepatic glutathione S-transferase. Watabe T, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):65-70

Effect of Aroclor 1254 on the biological fate of 2,6-dimethylnaphthalene in coho salmon (Oncorhynchus kisutch). Collier TK, et al. **Bull Environ Contam Toxicol** 1985 Jan;34(1):114-20

Naphthalene distribution in tissues of laying pullets, swine, and dairy cattle. Eisele GR. **Bull Environ Contam Toxicol** 1985 Apr;34(4):549-56

Simultaneous accumulations of naphthalene, a PCB mixture, and benzo(a)pyrene, by the oyster, Crassostrea virginica. Fortner AR, et al. **Bull Environ Contam Toxicol** 1985 Feb;34(2):256-64

Metabolic oxidation of carcinogenic arylamines by rat, dog, and human hepatic microsomes and by purified flavin-containing and cytochrome P-450 monooxygenases. Hammons GJ, et al. **Cancer Res** 1985 Aug;45(8):3578-85

DNA adducts formed by ring-oxidation of the carcinogen 2-naphthylamine with prostaglandin H synthase in vitro and in the dog urothelium in vivo. Yamazoe Y, et al. **Carcinogenesis** 1985 Sep;6(9):1379-87

Tolrestat kinetics. Hicks DR, et al. **Clin Pharmacol Ther** 1984 Oct;36(4):493-9

Metabolism of [14C]2-methylnaphthalene by rainbow trout (Salmo gairdneri) in vivo. Melancon MJ, et al. **Comp Biochem Physiol [C]** 1984;79(2):331-6

Metabolic disposition and pharmacokinetics of the aldose reductase inhibitor tolrestat in rats, dogs, and monkeys. Cayen MN, et al. **Drug Metab Dispos** 1985 Jul-Aug;13(4):412-9

Metabolism and disposition of the dopaminergic agonist 5-hydroxy-6-methyl-2-di-n-propylaminotetralin in the rat. Koble DL, et al. **Drug Metab Dispos** 1985 May-Jun;13(3):305-11

Studies on the sequence of 2,6-diisopropylnaphthalene metabolite formation using carp hepatocyte. Kojima H, et al. **Ecotoxicol Environ Safety** 1985 Jun;9(3):364-8

Kinetic and pharmacological profiles of the in vitro binding of the potent dopamine agonist [3H]N,N-dipropyl-5,6-dihydroxy-2-aminotetralin to rat striatal membranes. Mulder TB, et al. **Eur J Pharmacol** 1985 May 28;112(1):73-9

Microbial phosphorylation of compactin (ML-236B) and related compounds. Endo A, et al. **J Antibiot (Tokyo)** 1985 Mar;38(3):328-32

Microbial hydroxylation of compactin (ML-236B) and monacolin K. Yamashita H, et al. **J Antibiot (Tokyo)** 1985 May;38(5):605-9

Regulation of naphthalene catabolic genes of plasmid NAH7. Yen KM, et al. **J Bacteriol** 1985 Jun;162(3):1008-13

Differential stereoselectivity of cytochromes P-450b and P-450c in the formation of naphthalene and anthracene 1,2-oxides. The role of epoxide hydrolase in determining the enantiomer composition of the 1,2-dihydrodiols formed. van Bladeren PJ, et al. **J Biol Chem** 1985 Aug 25;260(18):10226-35

[3H]8-hydroxy-2-(di-n-propylamino)tetralin binding to pre- and postsynaptic 5-hydroxytryptamine sites in various regions of the rat brain. Hall MD, et al. **J Neurochem** 1985 Jun;44(6):1685-96

Methods for in vitro percutaneous absorption studies III: hydrophobic compounds. Bronaugh RL, et al. **J Pharm Sci** 1984 Sep;73(9):1255-8

Hepatic and pulmonary microsomal metabolism of naphthalene to glutathione adducts: factors affecting the relative rates of conjugate formation. Buckpitt AR, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):291-300

Effects of metyrapone on the pharmacological activity, plasma levels and urinary excretion of the dopamine receptor agonist DK-118. Koons JC, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):51-7

Catabolism of premercapturic acid pathway metabolites of naphthalene to naphthols and methylthio-containing metabolites in rats. Bakke J, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):668-71

[Genetic control of biphenyl and naphthalene catabolism in Pseudomonas fluorescens PfE1 and PfE2] Starovoitov II, et al. **Dokl Akad Nauk SSSR** 1985;280(2):505-8 **(Rus)**

[Plasmids for naphthalene biodegradation incompatible with IncP-2 and IncP-7 group plasmids] Kochetkov VV, et al. **Genetika** 1985 Apr;21(4):522-9 (Eng. Abstr.) **(Rus)**

[Comparative study of the plasmids controlling naphthalene biodegradation by a Pseudomonas culture] Kochetkov VV, et al. **Mikrobiologiia** 1984 Jul-Aug;53(4):639-44 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

On some presynaptic effects of an aminotetraline derivative. Ivanov D, et al. **Acta Physiol Pharmacol Bulg** 1985;11(1):10-7

Effect of one derivative of 2-aminotetralin on the alpha-adrenergic receptors of isolated vessels. Mutafova-Yambolieva V, et al. **Acta Physiol Pharmacol Bulg** 1985;11(1):18-25

HMG-CoA reductase inhibitors. Endo A. **Adv Exp Med Biol** 1985;183:295-310

Specific inhibition of fungal sterol biosynthesis by SF 86-327, a new allylamine antimycotic agent. Ryder NS. **Antimicrob Agents Chemother** 1985 Feb;27(2):252-6

Dopaminergic activity of a nonhydroxylated aminotetralin derivative (TL-68) on cat hearts. Ilhan M, et al. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):213-9

Hypotensive action of 8-hydroxy-2-(di-N-propylamino)tetralin (8-OH-DPAT) in spontaneously hypertensive rats. Martin GE, et al.

EWARK PUBLIC LIBRAR

Arch Int Pharmacodyn Ther 1985 Feb;273(2):251-61

Irreversible blockade of central 5-HT binding sites by 8-methoxy-2'-chloro-PAT. Emerit MB, et al. **Biochem Pharmacol** 1985 Mar 15;34(6):883-92

Mode of interaction of beta-hydroxy-beta-methylglutaryl coenzyme A reductase with strong binding inhibitors: compactin and related compounds. Nakamura CE, et al. **Biochemistry** 1985 Mar 12;24(6):1364-76

A mechanism of action for the inhibition of black pigment dispersion in the fiddler crab, Uca pugilator, by naphthalene. Staub GC, et al. **Comp Biochem Physiol [C]** 1984;79(2):447-53

Antagonism by lisuride and 8-OH-DPAT of 5-HTP-induced prolongation of the performance of male rat sexual behavior. Ahlenius S, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):379-81

N,N-disubstituted 2-aminotetralins are potent D-2 dopamine receptor agonists. Beaulieu M, et al. **Eur J Pharmacol** 1984 Oct 1;105(1-2):15-21

Insulin suppressive effects of aminotetralin analogs and of dopamine. Blum JW. **Eur J Pharmacol** 1984 Oct 15; 105(3-4):239-44

Differential selectivities of RU 24969 and 8-OH-DPAT for the purported 5-HT1A and 5-HT1B binding sites. Correlation between 5-HT1A affinity and hypotensive activity. Doods HN, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):363-70

Anticonflict effect of the putative serotonin receptor agonist 8-hydroxy-2-(di-n-propylamino)tetralin (8-OH-DPAT). Engel JA, et al. **Eur J Pharmacol** 1984 Oct 15; 105(3-4):365-8

N-methyl,N-propargyl-2-aminotetralins:novel dopamine agonists with monoamine oxidase inhibiting properties. Hazelhoff B, et al. **Eur J Pharmacol** 1985 Feb 26; 109(2):229-40

The involvement of subtypes of the 5-HT1 receptor and of catecholaminergic systems in the behavioural response to 8-hydroxy-2-(di-n-propylamino)tetralin in the rat. Tricklebank MD, et al. **Eur J Pharmacol** 1984 Nov 13; 106(2):271-82

In vivo dopamine autoreceptor selectivity appears to be critically dependent upon the aromatic hydroxyl position in a series of N,N-disubstituted 2-aminotetralins. Van Oene JC, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):101-15

Effects of aminotetralins on intraocular pressure and pupillary function in rabbits. Burke JA, et al. **J Auton Pharmacol** 1984 Sep;4(3):185-92

Mechanisms of 3-hydroxy-3-methylglutaryl coenzyme A reductase overaccumulation in three compactin-resistant cell lines. Skalnik DG, et al. **J Biol Chem** 1985 Feb 25; 260(4):1991-4

Compactin (ML-236B) and related compounds as potential cholesterol-lowering agents that inhibit HMG-CoA reductase. Endo A. **J Med Chem** 1985 Apr;28(4):401-5

6,7-Dihydroxy-3-chromanamine: synthesis and pharmacological activity of an oxygen isostere of the dopamine agonist 6,7-dihydroxy-2-aminotetralin. Horn AS, et al. **J Med Chem** 1984 Oct;27(10):1340-3

Novel dopamine receptor agonists and antagonists with preferential action on autoreceptors. Johansson AM, et al. **J Med Chem** 1985 Aug;28(8):1049-53

C(2)-Methylation abolishes DA1 dopamine agonist activity of 2-amino-6,7-dihydroxy-1,2,3,4-tetrahydronaphthalene (6,7-ADTN): steric intolerance by the receptor. Nichols DE, et al. **J Med Chem** 1984 Dec;27(12):1701-5

Resolved monophenolic 2-aminotetralins and 1,2,3,4,4a,5,6,10b-octahydrobenzo[f]quinolines: structural and stereochemical considerations for centrally acting pre- and postsynaptic dopamine-receptor agonists. Wikström H, et al. **J Med Chem** 1985 Feb;28(2):215-25

Acute administration of 8-hydroxy-2-(di-n-propylamino)tetralin (8-OH-DPAT), a selective 5-HT-receptor agonist, causes a biphasic blood pressure response and a bradycardia in the normotensive Sprague-Dawley rat and in the spontaneously hypertensive rat. Gradin K, et al. **J Neural Transm** 1985;62(3-4):305-19

Hypothermia in the rat induced by the potent serotoninergic agent 8-OH-DPAT. Hjorth S. **J Neural Transm** 1985; 61(1-2):131-5

Cardiovascular effects in the Sprague-Dawley rat of 8-hydroxy-2(di-N-propylamino) tetralin, a selective 5-hydroxytryptamine receptor agonist. Gradin K, et al. **J Pharm Pharmacol** 1985 Apr;37(4):263-5

Relative selectivity of 6,7-dihydroxy-2-dimethylaminotetralin, N-n-propyl-3-(3-hydroxyphenyl)piperidine, N-n-propylnorapomorphine and pergolide as agonists at striatal dopamine autoreceptors and postsynaptic dopamine receptors. Claustre Y, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):519-25

Calcium utilization in the vasoconstriction to enantiomers of SK&F 89748-A. Matthews WD, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):330-6

Parathyroid hormone responses to the dopaminergic agonist 2-amino-6,7-dihydroxy-1,2,3,4-tetrahydronaphthalene. Blum JW, et al. **Life Sci** 1984 Oct 1;35(14):1469-74

Further characterization of structural requirements for agonists at the striatal dopamine D2 receptor and a comparison with those at the striatal dopamine D1 receptor. Studies with a series of monohydroxyaminotetralins on acetylcholine release from rat striatum. Seiler MP, et al. **Mol Pharmacol** 1984 Nov; 26(3):452-7

Repair of indirectly induced DNA damage in human skin fibroblasts treated with N-hydroxy-2-naphthylamine. Kaneko M, et al. **Mutat Res** 1985 Jul;143(3):103-8

8-Hydroxy-2-(di-n-propylamino) tetralin is devoid of activity at the 5-hydroxytryptamine autoreceptor in rat brain. Implications for the proposed link between the autoreceptor and the [3H] 5-HT recognition site. Middlemiss DN. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug;327(1):18-22

The effects of neurotensin and [D-Tyr11]-NT on the hyperactivity induced by intra-accumbens administration of a potent dopamine receptor agonist. Jolicoeur FB, et al. **Neuropeptides** 1985 Apr;6(2):143-56

The putative serotonin receptor agonist 8-hydroxy-2-(di-n-propylamino)tetralin antagonizes the antinociceptive effect of morphine. Berge OG, et al. **Neurosci Lett** 1985 Feb 28;54(1):71-5

Presynaptic dopaminergic agonists modify brain glucose metabolism in a way similar to the neuroleptics. Palacios JM, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):223-9

The influence of mevinolin on the adrenal cortical response to corticotropin in heterozygous familial hypercholesterolemia. Illingworth DR, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6291-4

Definition of opioid receptor affinity for two new aminotetralin derivatives. Matos FF, et al. **Proc West Pharmacol Soc** 1984;27:573-6

Lisuride, LY-141865, and 8-OH-DPAT facilitate male rat sexual behavior via a non-dopaminergic mechanism. Ahlenius S, et al. **Psychopharmacology (Berlin)** 1984; 83(4):330-4

Low doses of the putative serotonin agonist 8-hydroxy-2-(di-n-propylamino) tetralin (8-OH-DPAT) elicit feeding in the rat. Dourish CT, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):197-204

Effects of 8-OH-DPAT, lisuride and some ergot-related compounds on the acoustic startle response in the rat. Svensson L. **Psychopharmacology (Berlin)** 1985; 85(4):469-75

Effect of a specific tetrahydroisoquinoline on the blood pressure in animals. Siu PM, et al. **Res Commun Chem Pathol Pharmacol** 1985 May; 48(2):203-8

In-vitro studies with SF 86-327, a new orally active allylamine derivative. Shadomy S, et al. **Sabouraudia** 1985 Apr;23(2):125-32

Lipid-lowering effects of two synthetic oestrogen derivatives with weak genital oestrogen properties. Herbai G, et al. **Ups J Med Sci** 1985;90(1):67-72

[Adrenergic mechanisms in the hypotensive action of a piperazine derivative of 2-aminotetralin] Mutafova-Iambolieva V, et al. **Eksp Med Morfol** 1985; 24(1):8-12 (Eng. Abstr.) **(Bul)**

POISONING

Naphthalene poisoning following ingestion of moth balls: case report. Ojwang PJ, et al. **East Afr Med J** 1985 Jan; 62(1):71-3

Product liability lawsuits focus on responsibility of manufacturers. Goerth CR. **Occup Health Saf** 1985 May; 54(5):64-5

THERAPEUTIC USE

Influence of combined therapy with mevinolin and interruption of bile-acid reabsorption on low density lipoproteins in heterozygous familial hypercholesterolemia. Grundy SM, et al. **Ann Intern Med** 1985 Sep;103(3):339-43

Mevinolin plus colestipol in therapy for severe heterozygous familial hypercholesterolemia. Illingworth DR. **Ann Intern Med** 1984 Nov;101(5):598-604

A dimethoxynaphthalene derivative (RS-43179 gel) compared with 0.025% fluocinolone acetonide gel in the treatment of psoriasis. Lassus A, et al. **Br J Dermatol** 1985 Jul;113(1):103-6

Combined drug therapy--cholestyramine and compactin--for familial hypercholesterolemia. Yamamoto A, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Sep; 22(9):493-7

Hypocholesterolemic effects of mevinolin in patients with heterozygous familial hypercholesterolemia. Illingworth DR, et al. **J Clin Invest** 1984 Dec;74(6):1972-8

Prevention of cataract development in severely galactosemic rats by the aldose reductase inhibitor, tolrestat. Simard-Duquesne N, et al. **Proc Soc Exp Biol Med** 1985 Apr;178(4):599-605

Mevinolin stimulates receptor-mediated clearance of low density lipoprotein from plasma in familial hypercholesterolemia heterozygotes. Bilheimer DW, et al. **Trans Assoc Am Physicians** 1983;96:1-9 (14 ref.)

[Treatment of rheumatoid diseases using naphthalan] Gulieva SA, et al. **Reumatizam** 1984;31(3-4):63-6 (Eng. Abstr.) **(Ser)**

TOXICITY

Structure-toxicity relationships of selected naphthalene derivatives II. Principal components analysis. Schultz TW, et al. **Bull Environ Contam Toxicol** 1985 Jan;34(1):1-9

Cytotoxic changes induced in rat-liver cells by short-term exposure to acetylethyltetramethyltetralin. Pennisi SC, et al. **Food Chem Toxicol** 1984 Dec;22(12):943-9

Acute target organ toxicity of 1-nitronaphthalene in the rat. Johnson DE, et al. **J Appl Toxicol** 1984 Oct;4(5):253-7

Urothelial lesions in mice given 4-ethylsulfonylnaphthalene-1-sulfonamide, acetazolamide, and oxamide. Frith CH, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4-5):25-38

The role of urinary physiological changes in the genesis of urothelial lesions in mice given 4-ethylsulfonylnaphthalene-1-sulfonamide, acetazolamide, and oxamide. West RW, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4-5):39-50

The effects of naphthalene on the ultrastructure of the hepatopancreas of the fiddler crab, Uca minax. Robinson AG, et al. **J Invertebr Pathol** 1985 May;45(3):311-23

A preliminary study on toxicity of diospyrol and oxidized diospyrol from Diospyros mollis Griff. (Maklua) in rabbits eyes. Pattanapanyasat K, et al. **J Med Assoc Thai** 1985 Feb;68(2):60-5

Developmental toxicity of nine selected compounds following prenatal exposure in the mouse: naphthalene, p-nitrophenol, sodium selenite, dimethyl phthalate, ethylenethiourea, and four glycol ether derivatives. Plasterer MR, et al. **J Toxicol Environ Health** 1985; 15(1):25-38

Naphthofurans induced chromosomal aberrations detected in metaphase, anaphase and telophase V79 Chinese hamster cells. Venegas W, et al. **Mutat Res** 1985 Jul;157(1):53-62

[Correlation of the mutagenic and carcinogenic activity of various aromatic amines] Pogodina ON, et al. **Eksp Onkol** 1984;6(4):23-5 (Eng. Abstr.) **(Rus)**

[Toxic properties of synthetic naphthenic and alkylbenzoic acids] Uzhdavini ER, et al. **Gig Tr Prof Zabol** 1984 Sep; (9):48-9 **(Rus)**

NAPHTHALENESULFONATES

A rapid naphthol yellow S method for measuring the cellular protein content of anchorage cultures. Skehan P, et al. **In Vitro Cell Dev Biol** 1985 May;21(5):288-90

ANALYSIS

Determination of unsulfonated aromatic amines in D&C red No. 33 by the diazotization and coupling procedure followed by reversed-phase liquid chromatographic analysis. Bailey JE Jr. **Anal Chem** 1985 Jan;57(1):189-96

Determination of 1,3-diphenyltriazene and azobenzene in D&C Red No. 33 by solvent extraction and reversed-phase high-performance liquid chromatography. Bailey JE Jr. **J Chromatogr** 1985 Mar 8;321(1):185-97

BLOOD

Binding characteristics of a fluorescent analogue of diphosphoglyceric acid to human, amphibian and fish hemoglobins. Hazard ES 3d, et al. **Comp Biochem Physiol [B]** 1984;79(2):195-201

DIAGNOSTIC USE

Use of a metallochromic indicator to study intracellular calcium movements in skeletal muscle. Schneider MF, et al. **Cell Calcium** 1985 Apr;6(1-2):109-18

The use of metallochromic Ca indicators in skeletal muscle. Vergara J, et al. **Cell Calcium** 1985 Apr;6(1-2):119-32 (36 ref.)

ISOLATION & PURIFICATION

Purification of D&C Red No. 33 by preparative high-performance liquid chromatography. Bailey JE Jr. **J Chromatogr** 1984 Nov 30;314:379-85

METABOLISM

Reduction of the metallochromic indicators arsenazo III and antipyrylazo III to their free radical metabolites by cytoplasmic enzymes. Moreno SN, et al. **FEBS Lett** 1985 Jan 28;180(2):229-33

[Cation selectivity of bovine red blood cell membrane estimated by means of TNS fluorescence measurement] Handa T, et al. **Yakugaku Zasshi** 1984 Jun;104(6):576-82 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Kinetics of the inhibition by naphtholsulfonate compounds of AMP deaminase from chicken erythrocytes. Yoshino M, et al. **Biochim Biophys Acta** 1984 Dec 21;791(3):364-9

TOXICITY

[Evaluation of the toxicity and hazards of sulfotrinaphthyleneofuran] Zhukov VG, et al. **Gig Sanit** 1984 Oct;(10):67-9 **(Rus)**

NAPHTHAMIDOPENICILLIN see **NAFCILLIN**

NAPHTHOL AS D ACETATESTERASE see **NAPHTHOL AS D ESTERASE**

NAPHTHOL AS D CHLOROACETATE ESTERASE see **NAPHTHOL AS D ESTERASE**

NAPHTHOL AS D ESTERASE

ANALYSIS

All human 'True' helper cells (Leu 3+ 8-) express acid alpha naphthyl acetate esterase [letter] Bernard J. **Br J Haematol** 1984 Oct;58(2):381-3

Distribution of acid alpha-naphthyl acetate esterase among human T lymphocyte subsets. Facchini A, et al. **Immunol Lett** 1984;8(4):207-10

In situ identification of T lymphocytes in polymorphic light eruption. Horkay I, et al. **Photodermatol** 1984 Oct; 1(5):250-2

[Cytoenzymologic diagnosis of malignant lymphomas and cancer metastases into the lymph nodes] Zverkova AS, et al. **Gematol Transfuziol** 1984 Aug;29(8):11-4 (Eng. Abstr.) **(Rus)**

BLOOD

Dipeptidyl peptidase IV and alpha-naphthylacetate esterase in human T lymphocytes: cytochemical and biochemical investigations. Schön E, et al. **Acta Histochem (Jena)** 1984; 75(2):175-82

Cytochemical and electrophoretic characterisation of alpha naphthyl acetate esterases (ANAE) in acute myeloblastic leukaemia. Scott CS, et al. **Blut** 1984 Oct;49(4):331-8

[Preliminary observation on the activity of T lymphocyte acid alpha-naphthyl acetate esterase in the blood of patients with schistosomiasis japonica] Fu CE, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(3):161-3 (Eng. Abstr.) **(Chi)**

[Changes in the level of peripheral lymphocyte acid-naphthyl acetate esterase in patients with deficiency syndromes and its clinical significance] Wang GT. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Nov;4(11):660-1, 642 (Eng. Abstr.) **(Chi)**

[Alpha-naphthyl acetate acid esterase activity in lymphocytes from patients with sickle cell anemia (letter)] Cruz C, et al. **Sangre (Barc)** 1985;30(2):197-8 **(Spa)**

CEREBROSPINAL FLUID

[The activity of nonspecific alpha-naphthyl acetate esterase in the cerebrospinal fluid lymphocytes and its clinical significance] Su XC. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Oct; 17(5):265-7 (Eng. Abstr.) **(Chi)**

DEFICIENCY

Cholesterol ester storage disease in an adult presenting with sea-blue histiocytosis. Besley GT, et al. **Clin Genet** 1984 Sep;26(3):195-203

METABOLISM

Double esterase positive cells [letter] Scott CS, et al. **Br J Haematol** 1984 Dec;58(4):762-4

Activatable esterase activity of murine natural killer cell--YAC tumour cell conjugates. Petty HR, et al. **J Cell Sci** 1984 Dec;72:1-13

[Detection of T lymphocytes with acid alpha-naphthyl acetate esterase. Specificity and use in pleural effusions] Eckert H, et al. **Z Erkr Atmungsorgane** 1984;163(1):49-53 (Eng. Abstr.) **(Ger)**

NAPHTHOLS

ANALYSIS

Liquid chromatographic determination of 2,4-dinitroaniline and 2-naphthol in D&C Orange No. 17. Scher AL. **J Assoc Off Anal Chem** 1985 May-Jun;68(3):474-7

Chemical reaction, diffusion, and ionization model for dissolution of oxygen acids and carbon acids. Oravec PL, et al. **J Pharm Sci** 1985 Feb;74(2):175-9

METABOLISM

Conversion of 1-naphthol to naphthoquinone metabolites by rat liver microsomes: demonstration by high-performance liquid chromatography with reductive electrochemical detection. Fluck DS, et al. **Arch Biochem Biophys** 1984 Dec;235(2):351-8

Evidence that 1-naphthol is not an obligate intermediate in the covalent binding and the pulmonary bronchiolar necrosis by naphthalene. Buckpitt AR, et al. **Biochem Biophys Res Commun** 1985 Feb 15; 126(3):1097-103

Metabolism of 1-naphthol by tyrosinase. Doherty M D, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3167-72

Cytochrome P-450 dependent metabolic activation of 1-naphthol to naphthoquinones and covalent binding species. Doherty MA, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2261-7

Metabolic activation of 1-naphthol by rat liver microsomes to 1,4-naphthoquinone and covalent binding species. Doherty MD, et al. **Biochem Pharmacol** 1984 Oct 15; 33(20):3201-8

1-Naphthol conjugation in isolated cells from liver, jejunum, ileum, colon and kidney of the guinea pig. Schwenk M, et al. **Biochem Pharmacol** 1985 Mar 1;34(5):697-701

Generation of low-level chemiluminescence during the metabolism of 1-naphthol by rat liver microsomes. Wefers H, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):4081-5

Catabolism of premercapturic acid pathway metabolites of naphthalene to naphthols and methylthio-containing metabolites in rats. Bakke J, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):668-71

PHARMACODYNAMICS

Selective toxicity of 1-naphthol to human colorectal tumour tissue. Wilson GD, et al. **Br J Cancer** 1985 Jun;51(6):853-63

Inhibition by 5,6-dihydroxy-2-dimethylaminotetralin (M7) of noradrenergic neurotransmission in the rabbit hypothalamus: role of alpha-2 adrenoceptors and of dopamine receptors. Galzin AM, et al. **J Pharmacol Exp Ther** 1985 May;233(2):459-65

Further characterization of structural requirements for agonists at the striatal dopamine D2 receptor and a comparison with those at the striatal dopamine D1 receptor. Studies with a series of monohydroxyaminotetralins on acetylcholine release from rat striatum. Seiler MP, et al. **Mol Pharmacol** 1984 Nov; 26(3):452-7

Effects of ONO-3122 (an enhancer of PGH2 production) and OKY-1581 (an inhibitor of TXA2 production) on the vasopressin-induced water flow in the toad bladder. Marumo F. **Pharmacology** 1985;31(1):34-9

The effects of Penicillium roqueforti toxin on the activity of rat hepatic DNA polymerases. Lee YH, et al. **Toxicology** 1984 Oct;33(1):43-57

TOXICITY

A preliminary study on toxicity of diospyrol and oxidized diospyrol from Diospyros mollis Griff. (Maklua) in rabbits eyes. Pattanapanyasat K, et al. **J Med Assoc Thai** 1985 Feb;68(2):60-5

NAPHTHOQUINONES

One- and two-electron reduction of hydroxy-1,4-naphthoquinones and hydroxy-9,10-anthraquinones. The role of internal hydrogen bonding and its bearing on the redox chemistry of the anthracycline antitumour quinones. Ashnagar A, et al. **Biochim Biophys Acta** 1984 Oct 16;801(3):351-9

The structure of deoxylapachol, the contact allergen of Tectona grandis L. Schmaile HW, et al. **Naturwissenschaften** 1984 Nov;71(11):581-2

[Mass spectrometric studies on alkannins] Cong PZ. **Yao Hsueh Hsueh Pao** 1984 Jun;19(6):450-4 (Eng. Abstr.) **(Chi)**

ANALYSIS

Determination of xanthomegnin in grains and animal feeds by liquid chromatography with electrochemical detection. Carman AS, et al. **J Assoc Off Anal Chem** 1984 Nov-Dec; 67(6):1095-8

BIOSYNTHESIS

Conversion of 1-naphthol to naphthoquinone metabolites by rat liver microsomes: demonstration by high-performance liquid chromatography with reductive electrochemical detection. Fluck DS, et al. **Arch Biochem Biophys** 1984 Dec;235(2):351-8

CHEMICAL SYNTHESIS

[Lipophilic naphthols and 1,4-naphthoquinones as inhibitors of prostaglandin synthesis. 6. Study of 1,4-naphthoquinones] Wurm G, et al. **Arzneimittelforsch** 1984;34(6):652-8 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Two new inhibitors of phospholipase A2 produced by Penicillium chermesinum. Taxonomy, fermentation, isolation, structure determination and biological properties. Singh PD, et al. **J Antibiot (Tokyo)** 1985 Jun;38(6):706-12

[Studies on the medicinal plants of Chinese Zingiberaceae. IV. The structure of stahlianthusone] Yu JG, et al. **Yao Hsueh Hsueh Pao** 1983 Nov;18(11):839-42 (Eng. Abstr.) **(Chi)**

METABOLISM

Melanin biosynthesis and the metabolism of flaviolin and 2-hydroxyjuglone in Wangiella dermatitidis. Wheeler MH, et al. **Arch Microbiol** 1985 Aug;142(3):234-41

Cytochrome P-450 dependent metabolic activation of 1-naphthol to naphthoquinones and covalent binding species. Doherty MA, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2261-7

Metabolic activation of 1-naphthol by rat liver microsomes to 1,4-naphthoquinone and covalent binding species. Doherty MD, et al. **Biochem Pharmacol** 1984 Oct 15; 33(20):3201-8

[Pharmacokinetics of naftazone in the dog] Bressolle F, et al. **Farmaco [Prat]** 1985 Jun;40(6):187-98 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effects of beta-lapachone, a peroxide-generating quinone, on macromolecule synthesis and degradation in Trypanosoma cruzi. Goijman SG, et al. **Arch Biochem Biophys** 1985 Jul;240(1):273-80

Lapachol inhibition of vitamin K epoxide reductase and vitamin K quinone reductase. Preusch PC, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):405-12

Inhibition of microsomal lipid peroxidation by naphthoquinones: structure-activity relationships and possible mechanisms of action. Talcott RE, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):88-94

A redox cycling mechanism of action for 2,3-dichloro-1,4-naphthoquinone with mitochondrial membranes and the role of sulfhydryl groups. Pritsos CA, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3771-7

Effects of plumbagin on reproductive function of male dog. Bhargava SK. **Indian J Exp Biol** 1984 Mar;22(3):153-6

The effect of halofuginone, Wellcome 993 C, oxytetracycline, and diminazene diaceturate on Babesia equi-infected lymphoblastoid cell cultures. Zweygarth E, et al. **J Parasitol** 1984 Aug;70(4):542-4

Inhibition of pyrimidine biosynthesis de novo in Plasmodium falciparum by 2-(4-t-butylcyclohexyl)-3-hydroxy-1,4-naphthoquinone in vitro. Hammond DJ, et al. **Mol Biochem Parasitol** 1985 Jan;14(1):97-109

Novel anti-malarial hydroxynaphthoquinones with potent broad spectrum anti-protozoal activity. Hudson AT, et al. **Parasitology** 1985 Feb;90 (Pt 1):45-55

Antitheilerial activity of BW720C (buparvaquone): a comparison with parvaquone. McHardy N, et al. **Res Vet Sci** 1985 Jul;39(1):29-33

[Immunostimulating effects in the body induced by bonafton] Ratnikova LI, et al. **Farmakol Toksikol** 1985 May-Jun; 48(3):83-5 (Eng. Abstr.) **(Rus)**

[Effect of 1,4-naphthoquinone preparations on the platelet aggregation process] Kalmykova IB, et al. **Gematol Transfuziol** 1984 Aug;29(8):31-4 (Eng. Abstr.) **(Rus)**

[Effect of naphthoquinones and tocopherols on the changes in mitochondrial volume] Lider VA, et al. **Ukr Biokhim Zh** 1985 Jan-Feb;57(1):82-5 (Eng. Abstr.) **(Rus)**

[Influenza virus replication in the presence of bonafton and other inhibitors of macromolecular synthesis] Farashian VR, et al. **Vopr Virusol** 1985 Mar-Apr;30(2):174-80 (Eng. Abstr.) **(Rus)**

STANDARDS

[Hygienic characteristics of a naphthoquinone preservative (juglone)] Priputina LS, et al. **Vopr Pitan** 1984 Sep-Oct; (5):67-9 **(Rus)**

THERAPEUTIC USE

Efficacy of naphthoquinones and imidocarb dipropionate on Theileria sergenti infections in splenectomized calves. Minami T, et al. **Nippon Juigaku Zasshi** 1985 Apr; 47(2):297-300

Biological activity of diospyrin towards Ehrlich ascites carcinoma in Swiss A mice. Hazra B, et al. **Planta Med** 1984 Aug;50(4):295-7

Comparison of long acting oxytetracycline and parvaquone in immunisation against East Coast fever by infection and treatment. Dolan TT, et al. **Res Vet Sci** 1984 Sep; 37(2):175-8

Treatment of Theileria annulata infection in calves with parvaquone. McHardy N, et al. **Res Vet Sci** 1985 Jul; 39(1):1-4

Chemotherapy of East Coast fever: parvaquone treatment of clinical disease induced by isolates of Theileria parva. Dolan TT, et al. **Vet Parasitol** 1984 Aug;15(2):103-16

[Treatment of non-specific menometrorrhagia with naftazone] Tadjerouni A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(4):459-62 (Eng. Abstr.) **(Fre)**

TOXICITY

Inhibition of liver glycolysis in rats by dietary dichlone (2,3-dichloro-1,4-naphthoquinone). Pritsos CA, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):23-8

NAPHTHYLAMIDASES see **AMINO ACID NAPHTHYLAMIDASES**

1-NAPHTHYLAMINE see under **NAPHTHALENES**

2-NAPHTHYLAMINE see under **NAPHTHALENES**

1-NAPHTHYLISOTHIOCYANATE see under **THIOCYANATES**

NAPHTHYLVINYLPYRIDINE see under **PYRIDINES**

NAPHTHYRIDINES

ADMINISTRATION & DOSAGE

Pharmacokinetics and tolerance of enoxacin in healthy volunteers administered at a dosage of 400 mg twice daily for 14 days. Tsuei SE, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:71-4

[The radical efficacy of pyronaridine-primaquine combination in tertian malaria] Huei BL, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa**

Chih 1984;2(4):260-2 (Eng. Abstr.) **(Chi)**

[A combined regimen of pyronaridin-artemether-chloroquine (PAC) for the treatment of Plasmodium cynomolgi infection in the rhesus monkey] Zhang JX, et al. **Yao Hsueh Hsueh Pao** 1984 Aug; 19(8):571-5 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Convulsions related to enoxacin [letter] Simpson KJ, et al. **Lancet** 1985 Jul 20;2(8447):161

CEREBROSPINAL FLUID

Diffusion of enoxacin into the cerebrospinal fluid in dogs with healthy meninges and with experimental meningitis. Tran Van Tho, et al. **J Antimicrob Chemother** 1984 Sep; 14 Suppl C:57-62

CHEMICAL SYNTHESIS

Synthesis of antimicrobial agents. VI. Studies on the synthesis of furo[3,2-b][1,8]naphthyridine derivatives. Hayakawa I, et al. **Chem Pharm Bull (Tokyo)** 1984 Dec;32(12):4914-22

Antivertigo agents. IV. Synthesis and antivertigo activity of 6-[omega-(4-aryl-1-piperazinyl)alkyl]-5,6,7,8-tetrahydro-yridines. Shiozawa A, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):3981-93

Antivertigo agents. III. Synthesis of 5,6,7,8-tetrahydro-1,6-naphthyridine methyl homologs. Shiozawa A, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul; 32(7):2522-9

Conformationally restrained fentanyl analogues. 2. Synthesis and analgetic evaluation of perhydro-1,6-naphthyridin-2-ones. Borne RF, et al. **J Med Chem** 1984 Oct;27(10):1271-5

Pyridonecarboxylic acids as antibacterial agents. 4. Synthesis and antibacterial activity of 7-(3-amino-1-pyrrolidinyl)-1-ethyl-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid and its analogues. Egawa H, et al. **J Med Chem** 1984 Dec; 27(12):1543-8

METABOLISM

Serum and sputum concentrations of enoxacin after single oral dosing in a clinical and bacteriological study. Davies BI, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:83-9

The pharmacokinetics and tissue penetration of enoxacin and norfloxacin. Wise R, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:75-81

The clinical pharmacokinetics and tolerance of enoxacin in healthy volunteers. Wolf R, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:63-9

PHARMACODYNAMICS

Comparative in vitro activities of enoxacin (CI-919, AT-2266) and eleven antipseudomonal agents against aminoglycoside-susceptible and -resistant Pseudomonas aeruginosa strains. Bassey CM, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):417-8

Discrimination of neuroleptics by means of their interaction with amfonelic acid: an attempt to characterize the test. Waldmeier PC, et al. **Biochem Pharmacol** 1985 Jan 1; 34(1):39-44

Incomplete cross-resistance of nalidixic and pipemidic acid-resistant variants of Serratia marcescens against ciprofloxacin, enoxacin, and norfloxacin. Traub WH. **Chemotherapy** 1985;31(1):34-9

Evaluation of in vitro antibacterial activity of enoxacin: comparison with other orally absorbed antimicrobial agents, proposed disk diffusion test interpretive criteria, and quality control limits. Fuchs PC, et al. **Diagn Microbiol Infect Dis** 1985 May;3(3):213-21

In vitro activity of enoxacin compared with norfloxacin and amikacin. van der Auwera P, et al. **Eur J Clin Microbiol** 1985 Feb;4(1):55-8

Role of the dopamine uptake carrier in the neurochemical response to methamphetamine: effects of amfonelic acid. Schmidt CJ, et al. **Eur J Pharmacol** 1985 Feb 12; 109(1):73-80

In-vitro activity of enoxacin, ofloxacin, norfloxacin and nalidixic acid. Bauernfeind A, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:33-8

In-vitro activity of enoxacin against aminoglycoside-resistant gram-negative bacilli and other clinical isolates. Duncan IB, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:1-6

In-vitro sensitivity of legionellas, meningococci and mycoplasmas to ciprofloxacin and enoxacin [letter] Fallon RJ, et al. **J Antimicrob Chemother** 1985 Jun;15(6):787-9

Interpretive criteria for the agar diffusion susceptibility test with enoxacin. Grimm H. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:39-45

The in-vitro activities of enoxacin and ofloxacin compared with that of ciprofloxacin. King A, et al. **J Antimicrob Chemother** 1985 May;15(5):551-8

Enoxacin-induced alteration of susceptibility of pneumococci and Pseudomonas to phagocytosis by human polymorphonuclear leukocytes. Pruul H, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:19-31

The activity of enoxacin against clinical bacterial isolates in comparison with that of five other agents, and factors affecting that activity. Reeves DS, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:7-17

Enoxacin: worldwide in-vitro activity against 22451 clinical isolates. Siporin C, et al. **J Antimicrob Chemother** 1984 Sep; 14 Suppl C:47-55

Laboratory evaluation of enoxacin: comparison with norfloxacin and nalidixic acid. Teoh-Chan CH, et al. **J Antimicrob Chemother** 1985 Jan;15(1):45-52

Proposed quality control and interpretive criteria for disk diffusion susceptibility testing with enoxacin. Rudrik JT, et al. **J Clin Microbiol** 1985 Mar;21(3):332-4

Alpha-adrenoceptor blocking action of aaptamine, a novel marine natural product, in vascular smooth muscle. Ohizumi Y, et al. **J Pharm Pharmacol** 1984 Nov; 36(11):785-6

Differential effects of chronic clorgyline and amfonelic acid on desensitization of striatal dopamine receptors. Meller E, et al. **Life Sci** 1984 Oct 29;35(18):1829-38

[Determination of the susceptibility of chloroquine-resistant Plasmodium falciparum to pyronaridine] Che LG. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(4):280 **(Chi)**

[Residual blood schizontocidal activity of pyronaridine against rodent malaria] Shao BR, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(4):232-3, 242 (Eng. Abstr.) **(Chi)**

[Sensitivity of obligate anaerobes to ofloxacin, pefloxacin, enoxacin and norfloxacin] Dubreuil L, et al. **Pathol Biol (Paris)** 1985 May;33(5):421-5 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Enoxacin compared with cefoperazone for the treatment of experimental Enterobacter aerogenes endocarditis. Boscia JA, et al. **Antimicrob Agents Chemother** 1985 May; 27(5):708-11

A double blind study comparing two dosages of enoxacin for the treatment of uncomplicated urogenital gonorrhoea. Notowicz A, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:91-4

Enoxacin treatment of urinary tract infections. Thomas MG, et al. **J Antimicrob Chemother** 1985 Jun;15(6):759-63

Use of enoxacin in a patient with cystic fibrosis [letter] Miller MG, et al. **Lancet** 1985 Mar 16;1(8429):646

Enoxacin for the treatment of urinary tract infection. Bailey RR, et al. **NZ Med J** 1985 Apr 24;98(777):286-8

Oral enoxacin used to cure spinal osteomyelitis due to aminoglycoside-resistant Pseudomonas aeruginosa [letter] Bailey RR, et al. **NZ Med J** 1985 Jun 26;98(781):508

[Observation on the efficacy of pyronaridine in vivax malaria] Kang WM, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(4):263-4 (Eng. Abstr.) **(Chi)**

[Comparative clinical study of enoxacin (AT-2266, ENX) and cefaclor (CCL) in chronic respiratory tract infections by a double-blind method] Hara K, et al. **Kansenshogaku Zasshi** 1984 Oct;58(10):1046-72 (Eng. Abstr.) **(Jpn)**

[Comparison of clinical usefulness of enoxacin (ENX, AT-2266) and pipemidic acid (PPA) in the treatment of acute infectious diarrhea by a double-blind method. The Japan Research Committee of Enoxacin Research Group for Acute Infectious Diarrhea] Hashimoto H, et al. **Kansenshogaku Zasshi** 1984 Oct;58(10):1114-34 (Eng. Abstr.) **(Jpn)**

[Comparative study of the effectiveness of enoxacin and amoxicillin in bacterial pneumonia by a double blind method] Miki F, et al. **Kansenshogaku Zasshi** 1984 Oct; 58(10):1083-113 (Eng. Abstr.) **(Jpn)**

URINE

Urinary enoxacin concentration and excretion after a single dose [letter] Bailey RR, et al. **NZ Med J** 1985 Mar 13; 98(774):159

NAPHURIDE see **SURAMIN**

NAPROXEN

[Use of the sodium salt of naproxen as an analgesic in toothache symptoms] Bubani G, et al. **Minerva Stomatol** 1985 May-Jun;34(3):583-5 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

An open study of 1.5 g naproxen daily in osteoarthritis. Berry H, et al. **Curr Med Res Opin** 1985;9(6):366-70

ADVERSE EFFECTS

Keratopathy associated with the use of naproxen. Szmyd L Jr, et al. **Am J Ophthalmol** 1985 May 15;99(5):598

Pulmonary infiltrates and eosinophilia associated with naproxen [letter] Sheehan NJ. **Br J Rheumatol** 1985 Aug; 24(3):302-3

Prostaglandin synthesis inhibition in persistent pulmonary hypertension of the newborn. Turner GR, et al. **Clin Perinatol** 1984 Oct;11(3):581-9

The renal excretion of prostaglandins and changes in plasma renin during treatment with either sulindac or naproxen in patients with rheumatoid arthritis and thiazide treated heart failure. Svendsen UG, et al. **J Rheumatol** 1984 Dec; 11(6):779-82

Pseudoporphyria due to naproxen. **Lancet** 1985 May 18; 1(8438):1166-7

Pseudoporphyria due to naproxen [letter] Howard AM, et al. **Lancet** 1985 Apr 6;1(8432):819-20

Double-blind evaluation of piroxicam and naproxen following missed dosage in patients with inflammatory arthritis. Langley GB, et al. **NZ Med J** 1985 Jun 26; 98(781):490-2

Gastroscopic findings after treatment with enteric-coated and plain naproxen tablets in healthy subjects. Trondstad RI, et al. **Scand J Gastroenterol** 1985 Mar;20(2):239-42

ANALOGS & DERIVATIVES

[Synthesis and pharmacologic study of new esters of naproxen with derivatives of N-oxyethylpiperazine] Calvi E, et al. **Farmaco [Sci]** 1985 May;40(5):334-46 (Eng. Abstr.) **(Ita)**

ANALYSIS

Chemical properties-dissolution relationship of non-steroidal antiinflammatory acidic drugs, I. Release of naproxen from inert matrices. Zecchi V, et al. **Arch Pharm (Weinheim)** 1985 Jul;318(7):615-20

X-ray powder diffraction data for selected drugs: furosemide, hydrochlorothiazide, naproxen, naproxen sodium, propranolol hydrochloride, and the halopheniramine maleates. De Camp WH. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):927-33

Quantitation of indomethacin, naproxen, and ibuprofen in pharmaceutical dosage forms by first and second derivative ultraviolet spectrometry. Mahrous MS, et al. **J Assoc Off Anal Chem** 1985 May-Jun;68(3):535-9

BLOOD

Naproxen pharmacokinetics in the elderly. Upton RA, et al. **Br J Clin Pharmacol** 1984 Aug;18(2):207-14

In vivo plasma protein binding interaction between valproic acid and naproxen. Grimaldi R, et al. **Eur J Drug Metab Pharmacokinet** 1984 Oct-Dec; 9(4):359-63

METABOLISM

Naproxen disposition in patients with alcoholic cirrhosis. Williams RL, et al. **Eur J Clin Pharmacol** 1984;27(3):291-6

PHARMACODYNAMICS

The effect of a prostaglandin synthetase inhibitor on the hormonal profile and the endometrium in women. Landgren BM, et al. **Am J Obstet Gynecol** 1985 Feb 1; 151(3):361-8

The effect of naproxen on the concentration of prostaglandins in human seminal fluid. Bendvold E, et al. **Fertil Steril** 1985 Jun;43(6):922-6

Effects of prostaglandin synthesis inhibitors on the renin-angiotensin system and renal function. Izumi Y, et al. **Hypertension** 1985 Sep-Oct;7(5):791-6

Effect of ibuprofen and naproxen on implantation and pregnancy in rat. Gupta U, et al. **Indian J Exp Biol** 1984 May;22(5):282-3

Influence of naproxen therapy on natural killer cytotoxicity and antibody-dependent cellular cytotoxicity against cells infected with herpes simplex virus. Gonik B, et al. **J Reprod Med** 1984 Oct;29(10):722-6

Effects of ibuprofen, naproxen, and sulindac on prostaglandins in men. Brater DC, et al. **Kidney Int** 1985 Jan;27(1):66-73

Plasma volume and protein content in progressive exercise: influence of cyclooxygenase inhibitors. Pivarnik J, et al. **Med Sci Sports Exerc** 1985 Feb;17(1):153-7

THERAPEUTIC USE

Effect of prostaglandin-inhibitor naproxen on the corneal swelling response to hydrogel contact lens wear. Efron N, et al. **Acta Ophthalmol (Copenh)** 1984 Oct;62(5):746-52

Possible disease-modifying effects of naproxen in the adjuvant-arthritic rat. Ackerman NR, et al. **Agents Actions** 1984 Oct;15(3-4):428-35

Comparative effects of long term treatment with etodolac, naproxen and ibuprofen on articular and bone changes associated with adjuvant arthritis in rats. Martel RR, et al. **Agents Actions** 1984 Oct;15(3-4):403-12

Factors influencing adolescents' responses to regimens of naproxen for dysmenorrhea. DuRant RH, et al. **Am J Dis Child** 1985 May;139(5):489-93

Naproxen sodium for pain relief in first-trimester abortion. Suprapto K, et al. **Am J Obstet Gynecol** 1984 Dec 15; 150(8):1000-1

Prostaglandin-inhibitor naproxen does not affect contact lens-induced changes in the human corneal endothelium. Efron N, et al. **Am J Optom Physiol Opt** 1984 Dec; 61(12):741-4

Naproxen in prophylaxis of migraine. Ziegler DK, et al. **Arch Neurol** 1985 Jun;42(6):582-4

A comparison of naproxen and diclofenac sodium in the treatment of osteoarthritis in elderly patients. Vetter G. **Br J Clin Pract** 1985 Jul;39(7):276-81

Effect of ibuprofen, naproxen sodium and paracetamol on intrauterine pressure and menstrual pain in dysmenorrhoea. Milsom I, et al. **Br J Obstet Gynaecol** 1984 Nov; 91(11):1129-35

Naproxen sodium in the treatment of migraine. Johnson ES, et al. **Cephalalgia** 1985 Mar;5(1):5-10

Treatment of acute migraine attack: naproxen and placebo compared. Nestvold K, et al. **Cephalalgia** 1985 Jun;5(2):115–9

Acute migraine attack therapy: comparison of naproxen sodium and an ergotamine tartrate compound. Pradalier A, et al. **Cephalalgia** 1985 Jun;5(2):107–13

Comparison of a slow-release indomethacin tablet and naproxen in osteoarthrosis. Gordin A, et al. **Curr Med Res Opin** 1985;9(7):500–4

Relief of morning stiffness: a comparative study of naproxen and ibuprofen. Taborn J, et al. **Curr Med Res Opin** 1985;9(6):359–65

A double-blind, comparative study of diflunisal and naproxen in the treatment of rheumatoid arthritis. Devereaux MD, et al. **Eur J Rheumatol Inflamm** 1983;6(3):274–8

Naproxen and piroxicam. A comparative trial in rheumatoid arthritis. Huskisson EC, et al. **Eur J Rheumatol Inflamm** 1983;6(3):242–6

Double-blind crossover study to evaluate the efficacy of a single daily dose of naproxen in rheumatoid arthritis. Katona G, et al. **Eur J Rheumatol Inflamm** 1983;6(3):233–41

Piroxicam versus naproxen in rheumatoid arthritis: a double-blind, cross-over study. Larsen A. **Int J Clin Pharmacol Res** 1985;5(1):17–23

Prostaglandin inhibition and the rate of recovery after arthroscopic meniscectomy. A randomised double-blind prospective study. Ogilvie-Harris DJ, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):567–71

Neoplastic fever responds to the treatment of an adequate dose of naproxen. Chang JC, et al. **J Clin Oncol** 1985 Apr;3(4):552–8

Successful migraine prophylaxis with naproxen sodium. Welch KM, et al. **Neurology** 1985 Sep;35(9):1304–10

Naproxen sodium in dysmenorrhea secondary to endometriosis. Kauppila A, et al. **Obstet Gynecol** 1985 Mar;65(3):379–83

Diflunisal compared with naproxen in the treatment of dysmenorrhea. Kajanoja P, et al. **Prostaglandins Leukotrienes Med** 1984 Aug;15(2):153–8

Comparison of isoxicam and naproxen in patients with rheumatoid arthritis. A 4-week parallel group, double-blind study. Brighton SW, et al. **S Afr Med J** 1985 Aug 17;68(4):232–4

A comparative study of isoxicam and naproxen in rheumatoid arthritis. Schorn D. **S Afr Med J** 1985 Mar 23;67(12):452–4

Naproxen and acetylsalicylic acid in the treatment of pauciarticular and polyarticular juvenile rheumatoid arthritis. Assessment of tolerance and efficacy in a single-centre 24-week double-blind parallel study. Kvien TK, et al. **Scand J Rheumatol** 1984;13(4):342–50

A single-blind study of naproxen sodium and mefenamic acid in minor trauma. Macintyre IM, et al. **Scott Med J** 1984 Oct;29(4):234–7

Clinical observations with Naprosyn. Tamási I, et al. **Ther Hung** 1982;30(4):184–8

[Urinary excretion of prostaglandins and changes in plasma renin levels in patients with rheumatoid arthritis associated with cardiac decompensation treated with thiazides] Svendsen UG, et al. **Ugeskr Laeger** 1985 Feb 11;147(7):612–4 (Eng. Abstr.) **(Dan)**

[Clinical trials with pirprofen and naproxen in patients with gonarthrosis and coxarthrosis] Sekker W, et al. **Fortschr Med** 1985 Feb 26;103(7A):182–4 (Eng. Abstr.) **(Ger)**

[Controlled clinical study of treatment of postoperative orthopedic patients] Patella V, et al. **Boll Chim Farm** 1984 Oct;123(10):71S–76S (Eng. Abstr.) **(Ita)**

[Naproxen in acute musculoskeletal injuries. A double-blind placebo controlled study] Bodd E, et al. **Tidsskr Nor Laegeforen** 1985 Apr 20;105(11):744–5 (Eng. Abstr.) **(Nor)**

[Naprosyn in the treatment of children with rheumatoid arthritis] Siemieńska-Rywik S, et al. **Pediatr Pol** 1984 Oct;59(10):847–51 (Eng. Abstr.) **(Pol)**

NARCINE see **TORPEDO**

NARCISSISM

Identity foreclosure in early adolescence: a problem of narcissistic equilibrium. Burch CA. **Adolesc Psychiatry** 1985;12:145–61

The significance of Alfred Adler for the concept of narcissism. Ansbacher HL. **Am J Psychiatry** 1985 Feb;142(2):203–7

Emotional features of narcissistic personality disorder. Svrakić DM. **Am J Psychiatry** 1985 Jun;142(6):720–4

Affective disorders and narcissistic vulnerability. Milden RS. **Am J Psychoanal** 1984 Winter;44(4):345–53

Focal behavioral psychotherapy for acute narcissistic injury: 'de mopes'--report of a case. Bennett MJ. **Am J Psychother** 1985 Jan;39(1):126–33

DSM III and the narcissistic personality. Goldstein WN. **Am J Psychother** 1985 Jan;39(1):4–16

Some preliminary psychological observations on narcissism, the cosmetic rhinoplasty patient and the plastic surgeon. Marcus P. **Aust NZ J Surg** 1984 Dec;54(6):543–7

Shame in relation to narcissistic disturbance. Mollon P. **Br J Med Psychol** 1984 Sep;57 (Pt 3):207–14

Narcissism and the narcissistic personality disorder: a comparison of the theories of Kernberg and Kohut. Russell GA. **Br J Med Psychol** 1985 Jun;58 (Pt 2):137–48

Narcissistic disorders in children. A developmental approach to diagnosis. Bleiberg E. **Bull Menninger Clin** 1984 Nov;48(6):501–17

Narcissistic personality disorder as a regression to a preoedipal phase of phallic narcissism. Forman M. **Hillside J Clin Psychiatry** 1981;3(1):45–59

Survey of psychotherapeutic approaches to narcissistic personality disorder. Nurnberg HG. **Hillside J Clin Psychiatry** 1984;6(2):204–20 (23 ref.)

Cult groups and the narcissistic personality: the offer to heal defects in the self. Kriegman D, et al. **Int J Group Psychother** 1985 Apr;35(2):239–61

Narcissism: its structures, systems and affects. Parkin A. **Int J Psychoanal** 1985;66 (Pt 2):143–56

Narcissistic organization, projective identification, and the formation of the identificate. Sohn L. **Int J Psychoanal** 1985;66 (Pt 2):201–13

Narcissistic issues in the training experience of the psychotherapist. Brightman BK. **Int J Psychoanal Psychother** 1984–85;10:293–317

Developmental issues in borderline personalities. Levin DC. **Int J Psychoanal Psychother** 1984–85;10:173–89

The termination phase of psychoanalysis in a narcissistic personality. Warnes H. **Int J Psychoanal Psychother** 1984–85;10:159–71

Thinking as a narcissistic resistance. Cohen J. **J Am Acad Psychoanal** 1985 Jan;13(1):77–92

Further contributions to the understanding of stage fright: narcissistic issues. Gabbard GO. **J Am Psychoanal Assoc** 1983;31(2):423–41

A case of phallic-narcissistic personality. Meissner WW. **J Am Psychoanal Assoc** 1985;33(2):437–69

Adoption and disturbed narcissism: a case illustration of a latency boy. Sherick I. **J Am Psychoanal Assoc** 1983;31(2):487–513

Man's reach. Solomon RZ. **J Am Psychoanal Assoc** 1982;30(2):325–45

Validation of two scales for narcissistic personality disorder. Auerbach JS. **J Pers Assess** 1984 Dec;48(6):649–53

More respect for the neurotic process: comments on the problem of narcissism in severe psychopathology, especially the addictions. Wurmser L. **J Subst Abuse Treat** 1984;1(1):37–45

'The fragile princess.' Midway on the borderline-narcissistic personality continuum. Zander K. **Perspect Psychiatr Care** 1984 Apr–Jun;22(2):77–84

Vicissitudes of narcissism in the cinematic autobiography. Gabbard GO, et al. **Psychoanal Rev** 1984 Sep;71(2):319–28

Narcissistic friendships. Hymer SM. **Psychoanal Rev** 1984 Nov;71(3):423–39

Narcissism as a defense against object loss: Stendhal and Proust. Sands S. **Psychoanal Rev** 1985 Spring;72(1):105–27

[The ambitio-impulse different from narcissism] Bour P. **Ann Med Psychol (Paris)** 1984 Nov;142(9):1173–90 (Eng. Abstr.) **(Fre)**

[Fascist ideology and individual psychology] Szafran AW. **Ann Med Psychol (Paris)** 1984 Jul–Aug;142(7):959–73 (Eng. Abstr.) **(Fre)**

[Narcissism and the drives] Lavoie JG. **Psychiatr J Univ Ottawa** 1984 Sep;9(3):107–14 (Eng. Abstr.) **(Fre)**

[Borderline and narcissistic personality disorder--fashionable concepts or approaches to a new etiopathogenic and therapeutic understanding?] Schulze A. **Psychiatr Neurol Med Psychol (Leipz)** 1984 May;36(5):278–86 (Eng. Abstr.) **(Ger)**

NARCOLEPSY

[Narcolepsy and hypersomnia in children and adolescents] Roth B. **Cesk Pediatr** 1985 Jan;40(1):12–6 (Eng. Abstr.) **(Cze)**

CHEMICALLY INDUCED

Nomifensine exacerbates narcolepsy [letter] Sandyk R, et al. **Neurology** 1985 Jan;35(1):138–9

COMPLICATIONS

Pharmacologic and psychotherapeutic issues in coexistent paranoid schizophrenia and narcolepsy: case report. Cadieux RJ, et al. **J Clin Psychiatry** 1985 May;46(5):191–3

Narcolepsy-cataplexy and gelastic-atonic seizures [letter] Duchowny MS, et al. **Neurology** 1985 May;35(5):775–6

DIAGNOSIS

Ambulatory sleep-wake polygraphy in narcolepsy. De Groen JH, et al. **Electroencephalogr Clin Neurophysiol** 1985 May;60(5):420–2

[Quantification of daytime somnolence in patients with narcolepsy and hypersomnia] Roth B, et al. **Cesk Neurol Neurochir** 1984 Sep;47(5):295–301 (Eng. Abstr.) **(Cze)**

[Clinical aspects of the narcolepsy-cataplexy syndrome] Hess CW, et al. **Nervenarzt** 1984 Aug;55(8):391–401 **(Ger)**

[Narcolepsy--epilepsy. Differential diagnosis] Hess CW. **Schweiz Rundsch Med Prax** 1984 Jun 12;73(24):773–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Amphetamine, mazindol, and fencamfamin in narcolepsy. Shindler J, et al. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1167–70

Naloxone ameliorates narcolepsy [letter] Sandyk R, et al. **Clin Neuropharmacol** 1985;8(1):96–7

Effects of DSIP on narcolepsy. Schneider-Helmert D. **Eur Neurol** 1984;23(5):353–7

The effects and effectiveness of gamma-hydroxybutyrate in patients with narcolepsy. Scharf MB, et al. **J Clin Psychiatry** 1985 Jun;46(6):222–5

Propranolol: long-term treatment in narcolepsy-cataplexy. Meier-Ewert K, et al. **Sleep** 1985;8(2):95–104

Importance of mazindol in the treatment of narcolepsy [letter] Vespignani H, et al. **Sleep** 1984;7(3):274–5

FAMILIAL & GENETIC

Extraordinary association between HLA-DR2 and narcolepsy [letter] **Lancet** 1985 Jan 26;1(8422):226–7

Genetic markers in narcolepsy. Langdon N, et al. **Lancet** 1984 Nov 24;2(8413):1178–80

IMMUNOLOGY

HLA antigens in Japanese patients with narcolepsy. All the patients were DR2 positive. Juji T, et al. **Tissue Antigens** 1984 Nov;24(5):316–9

PHYSIOPATHOLOGY

Tobacco use by narcoleptics and daytime sleep tendency. Browman CP, et al. **Drug Alcohol Depend** 1984 Sep;14(1):23–6

Electroencephalographic correlates of cataplectic attacks in narcoleptic canines. Kushida CA, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):61–70

The neurobiology of the narcoleptic syndrome. Larkin KT. **Int J Neurosci** 1984 Dec;25(1–2):1–17 (108 ref.)

Vigilance performance and autonomic function in narcolepsy: effects of central stimulants. Levander S, et al. **Psychophysiology** 1985 Jan;22(1):24–31

[Value of the sleep diary in the study of vigilance dis] Bastuji H, et al. **Electroencephalogr Clin Neurophysiol** 1985 Apr;60(4):299–305 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Does memory impairment exist in narcolepsy-cataplexy? Aguirre M, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):14–24

Problems and coping strategies identified by narcoleptic patients. Rogers AE. **J Neurosurg Nurs** 1984 Dec;16(6):326–34

[Narcoleptic syndrome] Hess CW. **Schweiz Med Wochenschr** 1984 Nov 17;114(46):1664–70 (Eng. Abstr.) **(Ger)**

THERAPY

The treatment of narcolepsy and cataplexy. Freemon FR. **Compr Ther** 1985 Jul;11(7):44–7

Behavioral treatment of excessive daytime sleepiness in an elderly woman with multiple medical problems. Kolko DJ. **J Behav Ther Exp Psychiatry** 1984 Dec;15(4):341–5

[Syndrome of paroxysmal sleep states and their treatment] von Suchodoletz W. **Padiatr Grenzgeb** 1985;24(3):245–50 (Eng. Abstr.) **(Ger)**

VETERINARY

Narcolepsy in a Brahman bull. Strain GM, et al. **J Am Vet Med Assoc** 1984 Sep 1;185(5):538–41

NARCOTIC ANALGESICS see **ANALGESICS, ADDICTIVE**

NARCOTIC ANTAGONISTS

Comparative antagonism by naltrexone and naloxone of mu, kappa, and delta agonists. Takemori AE, et al. **Eur J Pharmacol** 1984 Sep 3;104(1–2):101–4

Morphine, but not diacetyl morphine (heroin), possess opiate antagonist activity in the mouse vas deferens. Smith CF. **Neuropeptides** 1984 Dec;5(1–3):173–6

Pharmacological profiles of tonazocine (Win 42156) and zenazocine (Win 42964). Ward SJ, et al. **Neuropeptides** 1985 Feb;5(4–6):375–8

Tyr-MIF-1 acts as an opiate antagonist in the tail-flick test. Kastin AJ, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):937–41

[Opiate antagonists] Sonka K. **Cas Lek Cesk** 1984 Oct 19;123(42):1265–9 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

Implantable narcotic antagonists: a possible new treatment for narcotic addiction. Chiang CN, et al. **Psychopharmacol Bull** 1985;21(3):672–5

BLOOD

Nalmefene: radioimmunoassay for a new opioid antagonist. Dixon R, et al. **J Pharm Sci** 1984 Nov;73(11):1645–6

CHEMICAL SYNTHESIS

Radiosynthesis of [18F]3-acetylcyclofoxy: a high affinity opiate antagonist. Channing MA, et al. **Int J Appl Radiat Isot** 1985 Jun;36(6):429–33

Probes for narcotic receptor mediated phenomena. 7. Synthesis and pharmacological properties of irreversible ligands specific for mu or delta opiate receptors. Burke TR Jr, et al. **J Med Chem** 1984 Dec;27(12):1570–4

Opioid agonists and antagonists. 6,6–Hydrazi and 6–oximino derivatives of 14–hydroxydihydromorphinones. Ko RP, et al. **J Med Chem** 1984 Dec;27(12):1727–9

Diastereomeric 6–desoxy–6–spiro–alpha–methylene–gamma–butyrolactone derivatives of naltrexone and oxymorphone. Selective irreversible inhibition of naltrexone binding in an opioid receptor preparation by a conformationally restricted michael acceptor ligand. Koolpe GA, et al. **J Med Chem** 1984 Dec;27(12):1718–23

Synthesis and biological evaluation of 14–alkoxymorphinans. 1. Highly potent opioid agonists in the series of (–)–14–methoxy–N–methylmorphinan–6–ones. Schmidhammer H, et al. **J Med Chem** 1984 Dec; 27(12):1575–9

DIAGNOSTIC USE

The effects of selective opioid delta–receptor antagonists on stress–induced antinociception and plasma corticosterone levels in mice. Hart SL, et al. **Neuropeptides** 1985 Feb; 5(4–6):303–6

The use of quaternary narcotic antagonists in opiate research. Brown DR, et al. **Neuropharmacology** 1985 Mar; 24(3):181–91 (64 ref.)

ISOLATION & PURIFICATION

The search for the ideal analgesic. Todd WM. **Acta Anaesthesiol Belg** 1984;35 Suppl:237–41

METABOLISM

Opioid receptor binding characteristics of the non–equilibrium mu antagonist, beta–funaltrexamine (beta–FNA). Ward SJ, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):323–30

Kinetic evidence for differential agonist and antagonist binding to bovine hippocampal synaptic membrane opioid receptors. Scheibe SD, et al. **J Biol Chem** 1984 Nov 10; 259(21):13298–303

[Reversible binding of naloxazine and 14–hydroxydihydromorphazine with opiate receptors] Li LY, et al. **Yao Hsueh Hsueh Pao** 1984 Apr;19(4):251–5 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Colonic motor responses in the pony: relevance of colonic stimulation by opiate antagonists. Roger T, et al. **Am J Vet Res** 1985 Jan;46(1):31–5

Narcotics and the sphincter of Oddi [letter] Karasek J. **Anesth Analg** 1985 Mar;64(3):379–81

Opiate antagonistic function of cholecystokinin in analgesia and energy balance systems. Faris PL. **Ann NY Acad Sci** 1985;448:437–47

Opioid agonist and antagonist properties of diastereoisomeric N–tetrahydronoroxymorphones in mice. Ramabadran K, et al. **Arch Int Pharmacodyn Ther** 1985 Apr;274(2):180–8

Relative potency of agonist and partial agonist opioids [letter] Kay B. **Br J Anaesth** 1985 Jul;57(7):719–20

Pre–incubation of guinea–pig myenteric plexus with beta–funaltrexamine: discrepancy between binding assays and bioassays. Corbett AD, et al. **Br J Pharmacol** 1985 Jul;85(3):665–73

Hormone ontogeny in the ovine fetus. XVIII. The effect of an opioid antagonist on luteinizing hormone secretion. Cuttler L, et al. **Endocrinology** 1985 May;116(5):1997–2002

Quantitative analysis of the interaction between the agonist and antagonist isomers of picenadol (LY150720) on electric shock titration in the squirrel monkey. Carter RB, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):469–76

Opioids, feeding, and anorexias. Yim GK, et al. **Fed Proc** 1984 Nov;43(14):2893–7 (42 ref.)

Differentiation of multiple analgesic opiate receptors. Fürst S, et al. **Int J Tissue React** 1985;7(1):69–77

Antinociceptive models displaying peripheral opioid activity. Smith TW, et al. **Int J Tissue React** 1985;7(1):61–7

Effects of picenadol (LY150720) and its stereoisomers on electric shock titration in the squirrel monkey. Carter RB, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):299–306

Opiate agonist–antagonist interactions: application of a three–key drug discrimination procedure. France CP, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):81–9

Identification of multiple opiate receptors through neuroendocrine responses. II. Antagonism of mu, kappa and sigma agonists by naloxone and WIN 44,441–3. Pechnick R, et al. **J Pharmacol Exp Ther** 1985 Jan; 232(1):170–7

Luteinizing hormone releasing hormone mediates naloxone's effects on serum luteinizing hormone levels in normal and morphine–sensitized male rats. Cicero TJ, et al. **Life Sci** 1985 Aug 5;37(5):467–74

TENA, a selective kappa opioid receptor antagonist. Portoghese PS, et al. **Life Sci** 1985 Feb 25;36(8):801–5

Narcotic antagonist–induced hypotension in the spontaneously hypertensive rat. Quock RM, et al. **Life Sci** 1985 Sep 2;37(9):819–26

Long–term changes in self–stimulation threshold by repeated morphine and naloxone treatment. van Wolfswinkel L, et al. **Life Sci** 1985 Jul 15;37(2):169–76

A steric theory of opioid agonists, antagonists, agonist–antagonists, and partial agonists. Martin WR. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:16–23

Behavioral interactions of opioid agonists and antagonists with serotonergic systems. Rech RH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:179–84

Characterization of prototypical opioid antagonists, agonist–antagonists, and agonists in the morphine–dependent rhesus monkey. Aceto MD. **Neuropeptides** 1984 Dec;5(1–3):15–8

Selective attenuation of sweetened milk consumption by opiate receptor antagonists in male and female rats of the Roman strains. Cooper SJ, et al. **Neuropeptides** 1985 Feb; 5(4–6):349–52

Effects of opiates on urine output in the water–loaded rat and reversal by beta–funaltrexamine. Skingle M, et al. **Neuropeptides** 1985 Feb;5(4–6):433–6

Comparison of 'selective' opiate receptor antagonists on the isolated mouse vas deferens. Smith CB, et al. **Neuropeptides** 1984 Dec;5(1–3):161–4

Opiate antagonists stereoselectively attenuate the consumption of food but not of water by pigeons. Deviche P, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):507–12

Stereospecific reduction by narcotic antagonists of clonidine–induced food intake. Katz NL, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):649–51

Opiate antagonism reduces placentophagia and pup cleaning by parturient rats. Mayer AD, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1035–44

Comparative effects of prolyl–leucyl–glycinamide and naloxone on morphine–induced inhibition of gastrointestinal transit. Pillai NP, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):365–8

Lack of renal tubular and hemodynamic effects of non–selective and delta–opioid receptor antagonism. Barrett RJ, et al. **Pharmacol Res Commun** 1985 Jan; 17(1):49–61

Sequence analysis of social behaviour illustrating the actions of two antagonists of endogenous opioids. Brain PF, et al. **Prog Clin Biol Res** 1984;167:43–58

Narcotic antagonist potentiation of apomorphine drug effect: a stereospecific, centrally mediated drug action. Quock RM, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985;9(3):239–43

Selectivity of opioid agonists and antagonists for the various opioid receptor types. Takemori AE, et al. **Psychopharmacol Bull** 1985;21(3):464–5

Effects of opiate antagonists and putative kappa agonists on unpunished and punished operant behavior in the rat. DeRossett SE, et al. **Psychopharmacology (Berlin)** 1985; 86(4):386–91

Antagonism of the discriminative effects of ethylketazocine, cyclazocine, and nalorphine in macaques. Young AM, et al. **Psychopharmacology (Berlin)** 1984;84(3):356–61

[Effect of opiate agonists and antagonists on thermoregulation in rats] Iakimova K, et al. **Eksp Med Morfol** 1984;23(4):215–21 (Eng. Abstr.) **(Bul)**

[Effect of opiate receptor agonists and antagonists on the resistance of animals to hypoxic hypoxia] Zakusov VV, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):680–2 (Eng. Abstr.) **(Rus)**

[Medical regulation of recovery of consciousness after single–agent anesthesia with ketamine] Abramchenko VV, et al. **Voen Med Zh** 1984 Nov;(11):24–6 **(Rus)**

THERAPEUTIC USE

Opiate antagonist WIN44,441–3 stereospecifically improves neurologic recovery after ischemic spinal injury. Faden AI, et al. **Neurology** 1985 Sep;35(9):1311–5

Treatment of stroke with opiate antagonists––effects of exogenous antagonists and dynorphin 1–13. Baskin DS, et al. **Neuropeptides** 1985 Feb;5(4–6):307–10

[New drugs in the group of opiate–antagonistic analgesics] Rewerski W, et al. **Pol Tyg Lek** 1984 Oct 22;39(43):1405–8 **(Pol)**

NARCOTIC CONTROL see **DRUG AND NARCOTIC CONTROL**

NARCOTIC DEPENDENCE

British opiate addicts: an 11–year follow–up. Cottrell D, et al. **Br J Psychiatry** 1985 Apr;146:448–50

Physical dependence produced by chronic intracerebroventricular infusion of [D–Arg]kyotorphin or thiorphan to rats. Bean AJ, et al. **Eur J Pharmacol** 1984 Oct 15;105(3–4):333–7

Genotype–dependent behavioral sensitivity to mu vs. kappa opiate agonists. II. Antinociceptive tolerance and physical dependence. Gwynn GJ, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):312–6

Problems of drug dependence, 1983. Proceedings of the 45th annual scientific meeting, The Committee on Problems of Drug Dependence, Inc. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:1–448

Effects of maternal narcotic vs. nonnarcotic addiction on neonatal neurobehavior and infant development. Chasnoff IJ. **Natl Inst Drug Abuse Res Monogr Ser** 1985;59:84–95

Ventricular configuration and cerebral growth in infants born to drug–dependent mothers. Pasto ME, et al. **Pediatr Radiol** 1985;15(2):77–81

The opioid and anti–opioid system in addiction. Gillman MA, et al. **S Afr Med J** 1984 Oct 20;66(16):592

[Drugs used by narcotic addicts] Jessen–Petersen B, et al. **Ugeskr Laeger** 1985 Jan 28;147(5):433–5 (Eng. Abstr.) **(Dan)**

[Assessment of morphine–type physical dependence liability in mice using the drug–admixed food method] Suzuki T, et al. **Nippon Yakurigaku Zasshi** 1984 Jul;84(1):19–24 (Eng. Abstr.) **(Jpn)**

BLOOD

Increased alpha–2–macroglobulin in opiate addicts: further evidence of an alteration in the coagulation system due to opiate addiction [letter] Ceriello A, et al. **Acta Haematol (Basel)** 1985;73(2):117

Mean red blood cell volume, narcotic addiction, and glucose tolerance [letter] Cerièllo A, et al. **Arch Intern Med** 1985 Aug;145(8):1530–1

Increased labile hemoglobin glycosylation in opiate addicts: an unclear phenomenon [letter] Ceriello A, et al. **Diabete Metab** 1985 Jun;11(3):189–90

Pyridoxine (Vit. B6) decreases opioids–induced hyperprolactinemia. Vescovi PP, et al. **Horm Metab Res** 1985 Jan;17(1):46–7

COMPLICATIONS

Incidence of major congenital malformations in offspring of alcoholics and polydrug abusers. Iosub S, et al. **Alcohol** 1985 May–Jun;2(3):521–3

Thrombocytopenic purpura in narcotics addicts. Savona S, et al. **Ann Intern Med** 1985 Jun;102(6):737–41

Effects of maternal opiate abuse on the newborn. Finnegan LP. **Fed Proc** 1985 Apr;44(7):2314–7 (22 ref.)

Parenteral drug misuse and the accident and emergency department. McGowan A, et al. **Health Bull (Edinb)** 1984 Sep;42(5):252–7

Psychiatric disorders in opioid–dependent patients. O'Brien CP, et al. **J Clin Psychiatry** 1984 Dec;45(12 Pt 2):9–13

Alcoholism, antisocial personality, narcotic addiction: an integrative approach. Lewis CE. **Psychiatr Dev** 1984 Autumn;2(3):223–35 (74 ref.)

[Risk factors for the occurrence of malignant tropical malaria in the Socialist Republic of Vietnam. 1. Clinico–laboratory characteristics of drug addicts] Shcherbakov AM, et al. **Med Parazitol (Mosk)** 1985 May–Jun;(3):70–3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Controlled opiate use: fact or artifact? Harding WM. **Adv Alcohol Subst Abuse** 1983–84 Fall–Winter; 3(1–2):105–18

Laboratory diagnosis of opiate drugs. Dutt MC. **Ann Acad Med Singapore** 1984 Jan;13(1):53–65

Perinatal addiction: the effects of maternal narcotic and nonnarcotic substance abuse on the fetus and neonate. Chasnoff IJ, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:220–6

[The handwriting test as a method of diagnosing narcotic dependence] Legień M. **Psychiatr Pol** 1984 May–Jun; 18(3):233–40 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Opiate and cocaine dependencies. Techniques to help counter the rising tide. Washton AM, et al. **Postgrad Med** 1985 Apr;77(5):293–7, 300

Implantable narcotic antagonists: a possible new treatment for narcotic addiction. Chiang CN, et al. **Psychopharmacol Bull** 1985;21(3):672–5

FAMILIAL & GENETIC

Parental alcoholism in opioid addicts. Kosten TR, et al. **J Nerv Ment Dis** 1985 Aug;173(8):461–9

HISTORY

Classics revisited. Conditioning factors in opiate addiction and relapse. By Abraham Wikler. Narcotics, 1965. **J Subst Abuse Treat** 1984;1(4):277–85

Milk of paradise/milk of hell––the history of ideas about opium. Levinthal CF. **Perspect Biol Med** 1985 Summer; 28(4):561–77

The medicated woman: 1880. McClary A. **Pharos** 1984 Summer;47(3):8–10

[The use of narcotics in old Vietnam. Current forms of its control] Pisztora F. **Orv Hetil** 1984 Oct 14;125(42):2569–72, 2575 **(Hun)**

IMMUNOLOGY

Immune thrombocytopenia in narcotics addicts [letter] Heer M, et al. **Ann Intern Med** 1985 Oct;103(4):645

METABOLISM

Opiate–mediated control of luteinizing hormone in the male: role in the development of narcotic tolerance and physical dependence. Cicero TJ. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:184–208 (44 ref.)

The effect of tolerance on opiate dependence as measured by the adenylate cyclase rebound response to naloxone in the NG108–15 model system. Greenspan DL, et al.

Neuropeptides 1984 Dec;5(1-3):41-4

OCCURRENCE

Drug dependence in Mekran-Panjgur revisited. Ahmad SH, et al. **JPMA** 1985 Jan;35(1):10-3

PHYSIOPATHOLOGY

Opioid dependence in the guinea-pig myenteric plexus is controlled by non-tolerant and tolerant opioid receptors. Schulz R, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):335-41

Effects of dopamine receptor stimulation on opiate-induced modifications of pituitary-gonadal function. Vescovi PP, et al. **Horm Res** 1985;21(3):155-9

Modulation of opioid physical dependence during the hibernation cycle. Beckman AL, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:209-38 (108 ref.)

Neurophysiological investigations of opiate tolerance and dependence in the central nervous system. Henriksen SJ. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:239-59 (69 ref.)

The role of adenyl cyclase in opiate tolerance and dependence. Klee WA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:109-18

Opioid tolerance and dependence in light of the multiplicity of opioid receptors. Schulz R, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:70-80 (23 ref.)

Opiates, endorphins, and the developing organism: a comprehensive bibliography, 1982-1983. Zagon IS, et al. **Neurosci Biobehav Rev** 1984 Fall;8(3):387-403

PREVENTION & CONTROL

Forfeiture of narcotics-generated wealth in the United States of America pursuant to the Comprehensive Forfeiture Act of 1984. Gunn PC. **Bull Narc** 1984 Oct-Dec;36(4):61-89

Forfeiture of properties in respect of economic offences: the Indian experience. Rao MV. **Bull Narc** 1984 Oct-Dec; 36(4):101-9

Legal measures to combat drug-related problems in Poland. Sokalska ME. **Bull Narc** 1984 Jul-Sep;36(3):19-25

Opium, the religion of the people. Marks J. **Lancet** 1985 Jun 22;1(8443):1439-40

Interferon: a candidate as the endogenous substance preventing tolerance and dependence to brain opioids. Dafny N. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(3):351-7

PSYCHOLOGY

Influence of family and religion on long-term outcomes among opioid addicts. Hater JJ, et al. **Adv Alcohol Subst Abuse** 1984 Fall;4(1):29-40

Perceived marital and family environment of opiate addicts. Kosten TR, et al. **Am J Drug Alcohol Abuse** 1984; 10(4):491-501

Drug addicts seeking treatment after the Iranian Revolution: a clinic-based study. Dalvand S, et al. **Drug Alcohol Depend** 1984 Sep;14(1):87-92

The social networks of opioid abusers. Fraser MW, et al. **Int J Addict** 1984 Dec;19(8):903-17

The criminality of narcotic addicts. Nurco DN, et al. **J Nerv Ment Dis** 1985 Feb;173(2):94-102 (54 ref.)

Personality characteristics of drug addicts and alcoholics on the Millon Clinical Multiaxial Inventory. Craig RJ, et al. **J Pers Assess** 1985 Apr;49(2):156-60

Classical conditioning in opiate dependence. O'Brien CP, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar; 49:35-46

The incidence of violence in the lives of pregnant drug-dependent women. Regan DO, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:330

REHABILITATION

The sequential use of clonidine and naltrexone in the treatment of opiate addicts. Gold MS, et al. **Adv Alcohol Subst Abuse** 1984 Spring;3(3):19-39 (121 ref.)

Clonidine hydrochloride detoxification from methadone treatment--the value of naltrexone aftercare. Rawson RA, et al. **Adv Alcohol Subst Abuse** 1984 Spring;3(3):41-9

Methadone maintenance: past, present, and future. Renner JA Jr. **Adv Alcohol Subst Abuse** 1983-84 Fall-Winter; 3(1-2):75-90

A comparative study of hypnotherapy and psychotherapy in the treatment of methadone addicts. Manganiello AJ. **Am J Clin Hypn** 1984 Apr;26(4):273-9

Fetal breathing movements and the response to carbon dioxide in patients on methadone maintenance. Richardson BS, et al. **Am J Obstet Gynecol** 1984 Oct 15;150(4):400-5

Naltrexone-induced dysphoria in former opioid addicts. Crowley TJ, et al. **Am J Psychiatry** 1985 Sep;142(9):1081-4

Use of guanabenz in methadone withdrawal [letter] Levadi DI. **Am J Psychiatry** 1985 Sep;142(9):1128-9

Clonidine in outpatient detoxification from methadone maintenance. Kleber HD, et al. **Arch Gen Psychiatry** 1985 Apr;42(4):391-4

Self-administration of clonidine, oxazepam, and hydromorphone by patients undergoing methadone detoxification. Preston KL, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):219-27

Chronic opiate use during methadone detoxification: effects of a dose increase treatment. Stitzer ML, et al. **Drug Alcohol Depend** 1984 Sep;14(1):37-44

Can personality tests predict treatment dropouts? Craig RJ. **Int J Addict** 1984 Sep;19(6):665-74

Contracting for treatment termination to reduce illicit drug use among methadone maintenance treatment failures. Dolan MP, et al. **J Consult Clin Psychol** 1985 Aug; 53(4):549-51

Success and failure at outpatient opioid detoxification. Evaluating the process of clonidine- and methadone-assisted withdrawal. Rounsaville BJ, et al. **J Nerv Ment Dis** 1985 Feb;173(2):103-10

Naltrexone for opioid addiction. **Med Lett Drugs Ther** 1985 Feb 1;27(680):11-2

Abstinence treatments for opiate addicts: therapeutic community or naltrexone? Arndt I, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:275-81

Measurement and extinction of conditioned withdrawal-like responses in opiate-dependent patients. Childress AR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar; 49:212-9

An evaluation of neonatal abstinence treatment modalities. Finnegan LP, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:282-8

Brief effective treatment strategies: pharmacological therapy for opiate addicts. Kleber HD. **Natl Inst Drug Abuse Res Monogr Ser** 1985;58:83-99

The Harvard Group Aftercare Program: preliminary evaluation results and implementation issues. McAuliffe WE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 58:147-55

Methadone detoxification: effects of methadone dose versus time in treatment. McCaul ME, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:269-74

Self-administration of clonidine and oxazepam by methadone detoxification patients. Preston KL, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:192-8

Comparison of a behavioral and a pharmacological treatment for reduction of illicit opiate use. Stitzer ML, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:255-61

Guanabenz acetate: a new, long-acting alpha-two adrenergic agonist for opioid withdrawal. Tennant FS Jr, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:338-43

Evaluation of a methadone rehabilitation program. Graham-Bafus S, et al. **Psychol Rep** 1984 Aug;55(1):99-106

Finds clonidine effective in treating narcotic addicts [letter] Gillespie B. **Va Med** 1984 Nov;111(11):657-8

[Withdrawal of drug addicts from opiates in general hospitals. Value of clonidine--30 cases] Lambert H, et al. **Therapie** 1984 Jul-Aug;39(4):411-9 (Eng. Abstr.) **(Fre)**

[Behavior therapy of opiate dependence] Vollmer H. **Psychiatr Prax** 1985 May;12(3):94-100 (Eng. Abstr.) **(Ger)**

THERAPY

Severity of psychiatric symptoms as a predictor of benefits from psychotherapy: the Veterans Administration-Penn study. Woody GE, et al. **Am J Psychiatry** 1984 Oct; 141(10):1172-7

Electrostimulation and opiate withdrawal [letter] Patterson MA. **Br J Psychiatry** 1985 Feb;146:213

Is there a need for 'professional psychotherapy' in methadone programs? Kleber HD. **J Subst Abuse Treat** 1984;1(1):73-6

Psychotherapy for opiate dependence. Woody GE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1985;58:9-29

[Injection addicts in the County of Vejle. III. Treatment] Byskov J, et al. **Ugeskr Laeger** 1984 Sep 24;146(39):2980-4 (Eng. Abstr.) **(Dan)**

[Study of opiate addicts admitted to a general hospital. Experience with the model of collaborative psychiatry] Lozano M, et al. **Med Clin (Barc)** 1985 Mar 9;84(9):353-6 (Eng. Abstr.) **(Spa)**

NARCOTIC LAWS see **LEGISLATION, DRUG**

NARCOTIC RECEPTORS see **RECEPTORS, ENDORPHIN**

NARCOTICS

see related
ANALGESICS, ADDICTIVE
SUBSTANCE DEPENDENCE

Atracurium infusion requirements in children during halothane, isoflurane, and narcotic anesthesia. Brandom BW, et al. **Anesth Analg** 1985 May;64(5):471-6

Proton magnetic resonance studies on dermorphin and its peptide fragments. Pastore A, et al. **Biopolymers** 1984 Nov; 23(11 Pt 1):2349-60

Forfeiture of narcotics-generated wealth in the United States of America pursuant to the Comprehensive Forfeiture Act of 1984. Gunn PC. **Bull Narc** 1984 Oct-Dec;36(4):61-89

Forfeiture of properties in respect of economic offences: the Indian experience. Rao MV. **Bull Narc** 1984 Oct-Dec; 36(4):101-9

Clonidine and naloxone in ultrashort opiate detoxification. Holman PW. **Clin Pharm** 1985 Jan-Feb;4(1):100-2

The opiate epidemic in Dublin 1979-1983. Dean G, et al. **Ir Med J** 1985 Apr;78(4):107-10

Estimating the prevalence of opioid dependence. Hartnoll R, et al. **Lancet** 1985 Jan 26;1(8422):203-5

ADMINISTRATION & DOSAGE

Controlled opiate use: fact or artifact? Harding WM. **Adv Alcohol Subst Abuse** 1983-84 Fall-Winter; 3(1-2):105-18

Stereospecific interaction between alcohol and opiates mediated by the mu high-affinity binding receptor. Ng Cheong Ton JM, et al. **Alcohol** 1985 Mar-Apr;2(2):333-7

Compatibility of narcotic analgesic solutions with various antibiotics during simulated Y-site injection. Nieves-Cordero AL, et al. **Am J Hosp Pharm** 1985 May; 42(5):1108-9

Intraspinal narcotics. A new method of pain management. Warfield CA. **AORN J** 1985 May;41(5):910-2, 914

Analgesia with oral narcotics and added ibuprofen in cancer patients. Weingart WA, et al. **Clin Pharm** 1985 Jan-Feb; 4(1):53-8

Epidural and intrathecal narcotics for pain management. Leib RA, et al. **Heart Lung** 1985 Mar;14(2):164-74 (56 ref.)

Skills of medical students and house officers in prescribing narcotic medications. Grossman SA, et al. **J Med Educ** 1985 Jul;60(7):552-7

Totally implanted access port for epidural injections [letter] Andersen HB, et al. **Lancet** 1985 Mar 2;1(8427):511-2

Intracerebroventricular vs. subcutaneous drug administration: apples and oranges? Adler MW, et al. **Neuropeptides** 1984 Dec;5(1-3):73-6

Epidural opiates and degenerative back pain. Campbell WI. **Ulster Med J** 1983;52(2):161-3

ADVERSE EFFECTS

Precipitated opiate abstinence in utero. Umans JG, et al. **Am J Obstet Gynecol** 1985 Feb 15;151(4):441-4

Preliminary results of guanfacine treatment of acute opiate withdrawal. Schubert H, et al. **Am J Psychiatry** 1984 Oct; 141(10):1271-3

Block of the hyoscine-resistant opiate withdrawal contracture of ileum by a new substance P antagonist [D-Arg1,D-Phe5,D- Trp7,9,Leu 11]substance P. Tsou K, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):155-6

DSIP in the treatment of withdrawal syndromes from alcohol and opiates. Dick P, et al. **Eur Neurol** 1984;23(5):364-71

Naltrexone precipitated opiate withdrawal in methadone addicted human subjects: evidence for noradrenergic hyperactivity. Charney DS, et al. **Life Sci** 1984 Sep 17; 35(12):1263-72

Opiate withdrawal behavior after focal brain stimulation. Williams DA, et al. **Pharmacol Biochem Behav** 1984 Nov; 21(5):699-703

Clonidine treatment of neonatal narcotic abstinence syndrome. Hoder EL, et al. **Psychiatry Res** 1984 Nov; 13(3):243-51

ANALYSIS

Structural influences on the amperometric detection of opiates in high-performance liquid chromatography. Wilson TD. **J Chromatogr** 1984 Sep 28;301(1):39-46

CHEMICAL SYNTHESIS

Synthesis and opioid activity of [Sar4]dermorphin-tetrapeptide analogues. Salvadori S, et al. **Hoppe Seylers Z Physiol Chem** 1984 Oct; 365(10):1199-206

Synthesis and opioid activity of partial retro-inverso analogs of dermorphin. Salvadori S, et al. **Int J Pept Protein Res** 1985 May;25(5):526-33

Opioid agonists and antagonists. 6,6-Hydrazi and 6-oximino derivatives of 14-hydroxydihydromorphinones. Ko RP, et al. **J Med Chem** 1984 Dec;27(12):1727-9

Synthesis and pharmacological activity of partially modified retro-inverso dermorphin tetrapeptides. Salvadori S, et al. **J Med Chem** 1985 Jun;28(6):769-74

CLASSIFICATION

Differentiating opioids by their pupillary effects in the rat. Robin M, et al. **Life Sci** 1985 Apr 29;36(17):1669-77

HISTORY

William Osler: narcotic-induced pulmonary edema. Sternbach G. **J Emerg Med** 1983;1(2):165-7

Suicides by opium and its derivatives, in England and Wales, 1850-1950. Clarke MJ. **Psychol Med** 1985 May; 15(2):237-42

METABOLISM

Different effects of di-isopropylfluorophosphate on the entry of opioids into mouse brain. Green PG, et al. **Br J Pharmacol** 1985 Mar;84(3):657-61

Kinetic evidence for differential agonist and antagonist binding to bovine hippocampal synaptic membrane opioid receptors. Scheibe SD, et al. **J Biol Chem** 1984 Nov 10; 259(21):13298-303

Interaction of opiates with opioid binding sites in the bovine adrenal medulla: II. Interaction with kappa sites. Castanas E, et al. **J Neurochem** 1985 Sep;45(3):688-99

Interaction of opiates with opioid binding sites in the bovine adrenal medulla: I. Interaction with delta and mu sites. Castanas E, et al. **J Neurochem** 1985 Sep;45(3):677-87

In vivo receptor binding of opioid drugs at the mu site. Rosenbaum JS, et al. **J Pharmacol Exp Ther** 1985 Jun;

233(3):735–40

Opioid binding to rat and guinea-pig neural membranes in the presence of physiological cations at 37 degrees C. Werling LL, et al. **J Pharmacol Exp Ther** 1985 Jun; 233(3):722–8

Opioid metabolism and the kidney [letter] **Lancet** 1985 Mar 9;1(8428):586

Chronic naloxone increases opiate binding in SHR and WKY rats. Hahn EF. **Neurochem Res** 1984 Dec;9(12):1749–56

Neuroleptic malignant syndrome and the endogenous opiate system [letter] Sandyk R. **Neurology** 1985 Apr;35(4):622–3

Local anesthetic properties of opioids and phencyclidines: interaction with the voltage-dependent, batrachotoxin binding site in sodium channels. Creveling CR, et al. **Neuropeptides** 1985 Feb;5(4–6):253–6

Distribution and metabolism of dermorphin in rats. Negri L, et al. **Pharmacol Res Commun** 1984 Dec;16(12):1183–91

Evidence for internalization of opioid peptides but not opiate drugs in brain slices. LaBella FS, et al. **Proc West Pharmacol Soc** 1984;27:363–6

PHARMACODYNAMICS

Dual addiction. Pharmacological issues in the treatment of concomitant alcoholism and drug abuse. **Adv Alcohol Subst Abuse** 1984 Summer;3(4):1–118

The physiology of opiate hedonic effects and the role of opioids in motivated behavior. Carr KD. **Adv Alcohol Subst Abuse** 1984 Spring;3(3):5–18 (67 ref.)

Opioid interactions with alcohol. Kreek MJ. **Adv Alcohol Subst Abuse** 1984 Summer;3(4):35–46 (31 ref.)

Direct opioid application to peripheral nerves does not alter compound action potentials. Yuge O, et al. **Anesth Analg** 1985 Jul;64(7):667–71

The central and peripheral influences of opioids on gastrointestinal propulsion. Manara L, et al. **Annu Rev Pharmacol Toxicol** 1985;25:249–73 (171 ref.)

Opioid agonist and antagonist properties of diastereoisomeric N-tetrahydronoroxymorphones in mice. Ramabadran K, et al. **Arch Int Pharmacodyn Ther** 1985 Apr;274(2):180–8

Pertussis toxin treatment modifies opiate action in the rat brain striatum. Abood ME, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):477–83

Opiates and cultured neuroblastoma x glioma cells. Effect on cyclic AMP and polyamine levels and on ornithine decarboxylase and protein kinase activities. Benalal D, et al. **Biochem J** 1985 Apr 15;227(2):389–95

Relative potency of agonist and partial agonist opioids [letter] Kay B. **Br J Anaesth** 1985 Jul;57(7):719–20

A comparison of analgesia and suppression of oxytocin release by opiates. Clarke G, et al. **Br J Pharmacol** 1984 Nov;83(3):799–806

New models for the evaluation of opioid effects in the guinea-pig ileum. Donnerer J, et al. **Br J Pharmacol** 1985 May;85(1):61–4

Sugar, opioids and binge eating. Fullerton DT, et al. **Brain Res Bull** 1985 Jun;14(6):673–80 (95 ref.)

Opioids and consummatory behavior. Levine AS, et al. **Brain Res Bull** 1985 Jun;14(6):663–72 (142 ref.)

Common bile duct pressure in dogs after opiate injection––epidural versus intravenous route. Vatashsky E, et al. **Can Anaesth Soc J** 1984 Nov;31(6):650–3

The pharmacological modification of secretory responses. Miller RJ, et al. **Ciba Found Symp** 1985;112:155–74

Effects of opiates and opioids on intraocular pressure of rabbits and humans. Drago F, et al. **Clin Exp Pharmacol Physiol** 1985 Mar–Apr;12(2):107–13

Assessment of the opiate properties of two constituents of a toxic illicit drug mixture. Johannessen JN, et al. **Drug Alcohol Depend** 1984 Jul;13(4):367–74

Comparative effects of opiate agonists on proximal and distal colonic motility in dogs. Bardon T, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):329–34

Tolerance and physical dependence induced by dermorphin in rats. Broccardo M, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):55–61

Exogenous and endogenous opioid-induced enhancements of naloxone's effects on serum luteinizing hormone levels in the male rat. Cicero TJ, et al. **Eur J Pharmacol** 1984 Oct 15;105(3–4):273–84

Narcotic discrimination in pigeons: antagonism by naltrexone. Herling S, et al. **Eur J Pharmacol** 1984 Oct 1; 105(1–2):137–42

Postoperative analgesia and respiratory control. Catley DM. **Int Anesthesiol Clin** 1984 Winter;22(4):95–111

Pharmacodynamics of opiates. McClain DA, et al. **Int Anesthesiol Clin** 1984 Winter;22(4):75–94

Simultaneous assessment of the opiate-induced modifications in the vertical and horizontal components of locomotor activity in mice. Chaillet P, et al. **J Pharmacol** 1984 Jul–Sep; 15(3):375–83

Characterization of stress-induced potentiation of opioid effects in the rat. Appelbaum BD, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):555–65

Mu opioid receptors participate in the excitatory effect of opiates in the hippocampal slice. Bostock E, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):512–7

Inhibition of urinary bladder contractions by a spinal action of morphine and other opioids. Dray A, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):254–60

Opiate agonist-antagonist interactions: application of a three-key drug discrimination procedure. France CP, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):81–9

Infusion of opiates into substantia nigra protects against maximal electroshock seizures in rats. Garant DS, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):45–8

Opioid effects on lidocaine disposition and toxicity in mice. Garty M, et al. **J Pharmacol Exp Ther** 1985 Aug; 234(2):391–4

Discriminative stimulus effects of morphine withdrawal in the dependent rat: suppression by opiate and nonopiate drugs. Holtzman SG. **J Pharmacol Exp Ther** 1985 Apr; 233(1):80–6

Opioid effects on hepatic disposition of dyes in mice. Hurwitz A, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):617–23

Displacement of the surface membrane bound calcium of the skeletal muscle fibers of the frog: effects of lanthanum and opioids. Shetty SS, et al. **J Pharmacol Exp Ther** 1985 Jul; 234(1):233–8

Use of gut cyclic motor activity to evaluate a stimulant (narcotic) and inhibitor (anticholinergic) of gastrointestinal-tract activity in the unanesthetized dog. Fox DA, et al. **J Pharmacol Methods** 1985 Apr;13(2):147–55

Opiates and sex. Abel EL. **J Psychoactive Drugs** 1984 Jul–Sep;16(3):205–16 (121 ref.)

Stereoselective enhancement of nociception by opioids in different strains of mice. Ramabadran K. **Jpn J Pharmacol** 1985 Mar;37(3):296–9

Enhancement of opiate-induced depressions in serum luteinizing hormone levels by the prior administration of naloxone in the male rat. Cicero TJ, et al. **Life Sci** 1984 Sep 17;35(12):1321–8

One- and two-receptor models of opioid drug action. Gero A. **Life Sci** 1985 Mar 18;36(11):1021–4

Opioid receptor agonists in the rabbit colon: comparison of in vivo and in vitro studies. Pairet M, et al. **Life Sci** 1984 Oct 15;35(16):1653–8

The role of brain metabolism in the action of opiates. Hahn EF. **Med Res Rev** 1985 Apr–Jun;5(2):255–72 (56 ref.)

Opiate modulation of glucose turnover in dogs. Werther GA, et al. **Metabolism** 1985 Feb;34(2):136–40

Opiate-receptor interactions on single locus coeruleus neurones. Williams JT, et al. **Mol Pharmacol** 1984 Nov; 26(3):489–97

Opiate-mediated control of luteinizing hormone in the male: role in the development of narcotic tolerance and physical dependence. Cicero TJ. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:184–208 (44 ref.)

Biochemical reactions between opiate receptor binding and inhibition of neurotransmission. Clouet DH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:95–108 (47 ref.)

Spinal cord tissue culture models for analyses of opioid analgesia, tolerance and plasticity. Crain SM. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:260–92 (120 ref.)

Experimental approaches toward determining the neuronal circuits most affected by chronic opiate administration. Elde R. **Natl Inst Drug Abuse Res Monogr Ser** 1984; 54:293–9

Effects of opiates and neuropeptides on immune functions. Faith RE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:300–11 (34 ref.)

Neurophysiological investigations of opiate tolerance and dependence in the central nervous system. Henriksen SJ. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:239–59 (69 ref.)

The role of adenyl cyclase in opiate tolerance and dependence. Klee WA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:109–18

Mechanisms of multiple cellular adaptation processes in clonal cell lines during chronic opiate treatment. Law PY, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:119–35

The role of dynorphin in narcotic tolerance mechanisms. Lee NM. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:162–7

A steric theory of opioid agonists, antagonists, agonist-antagonists, and partial agonists. Martin WR. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:16–23

Behavioral interactions of opioid agonists and antagonists with serotonergic systems. Rech RH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:179–84

Opioid tolerance and dependence in light of the multiplicity of opioid receptors. Schulz R, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:70–80 (23 ref.)

Evaluation of new compounds for opioid activity (1983). Woods JH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:361–7

The opioid-induced desensitization (tolerance) in neuroblastoma x glioma NG 108–15 hybrid cells: results from receptor uncoupling. Wüster M, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:136–45 (28 ref.)

Opiate receptor upregulation and functional supersensitivity. Zukin RS, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:146–61 (38 ref.)

Characterization of prototypical opioid antagonists, agonist-antagonists, and agonists in the morphine-dependent rhesus monkey. Aceto MD. **Neuropeptides** 1984 Dec;5(1–3):15–8

The effects of kappa opioid agonists in the rat hippocampal slice. Brookes A, et al. **Neuropeptides** 1984 Dec; 5(1–3):261–4

Comparison of mu, kappa and sigma preferring agonists for effects on spinal nociceptive and other responses in rats. Headley PM, et al. **Neuropeptides** 1984 Dec;5(1–3):249–52

Stereospecificity of opiate-stimulated GTPase activity in brain. Hoss W, et al. **Neuropeptides** 1984 Dec;5(1–3):185–8

Effects of full and partial kappa agonists and mu agonists on urine output of normally hydrated rats. Leander JD. **Neuropeptides** 1984 Dec;5(1–3):283–6

Effects of opiates on urine output in the water-loaded rat and reversal by beta-funaltrexamine. Skingle M, et al. **Neuropeptides** 1985 Feb;5(4–6):433–6

Opiates and opioid peptides modify sensory evoked potentials and synaptic excitability in the rat dentate gyrus. Christian EP, et al. **Neuropharmacology** 1985 Jul;24(7):607–15

Differential respiratory patterns induced by opioids applied to the ventral medullary and dorsal pontine surfaces of cats. Hurlé MA, et al. **Neuropharmacology** 1985 Jul; 24(7):597–606

Feline analgesia following central administration of opioids. Ossipov MH, et al. **Neuropharmacology** 1984 Aug; 23(8):925–9

Analeptic effect of opiate receptor agonists in rabbits. Yamawaki S, et al. **Neurosci Lett** 1985 Mar 22;55(1):61–4

Structure-activity studies of dermorphin. The role of side chains of amino acid residues on the biological activity of dermorphin. Darlak K, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):687–9

A comparison of the antinociceptive and behavioral effects of D-Arg substituted dipeptides and tetrapeptides in mice. Sato T, et al. **Peptides (Fayetteville)** 1985 Jan–Feb; 6(1):35–40

Opiate self-administration in adult offspring of methadone-treated female rats. Hovious JR, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):949–53

Effects of opioids and phencyclidine in combination with naltrexone on the acquisition and performance of response sequences in monkeys. Moerschbaecher JM, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1061–9

Behavioral effects of morphine, levorphanol, dextrorphan and naloxone in the frog Rana pipiens. Pezalla PD, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):213–7

Locomotor activity and opiate effects in male and female hamsters. Schnur P, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):369–74

Ethanol-opioid interaction in mice. Tamborska E, et al. **Pol J Pharmacol Pharm** 1984 Jul–Aug;36(4):337–44

Acute & chronic opiate action in NG108–15 hybrid cells cultured in serum-free medium. Griffin MT, et al. **Proc West Pharmacol Soc** 1984;27:561–4

Effects of opiate and alpha 2-adrenergic agonists in a neuroblastoma x brain explant hybrid cell line (NCB-20). Louie AK, et al. **Proc West Pharmacol Soc** 1984;27:565–8

Opioid-neurotransmitter interactions: significance in analgesia, tolerance and dependence. Jhamandas KH. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):565–70

Selectivity of opioid agonists and antagonists for the various opioid receptor types. Takemori AE, et al. **Psychopharmacol Bull** 1985;21(3):464–5

Motivational properties of kappa and mu opioid receptor agonists studied with place and taste preference conditioning. Mucha RF, et al. **Psychopharmacology (Berlin)** 1985;86(3):274–80

Chronic neuroleptic treatment and mesolimbic dopamine denervation induce behavioural supersensitivity to opiates. Stinus L, et al. **Psychopharmacology (Berlin)** 1985; 85(3):323–8

Specific opioid-amphetamine interactions in the caudate putamen. Woo SK, et al. **Psychopharmacology (Berlin)** 1985; 85(3):371–6

Central and local actions of opioids upon reticulo-ruminal motility in sheep. Maas CL, et al. **Vet Res Commun** 1985 Apr;9(2):89–113

[Opiates, opioid receptors and thermoregulatory changes] Ovcharov R, et al. **Eksp Med Morfol** 1984;23(4):205–10 (16 ref.) (Eng. Abstr.) **(Bul)**

[Structure-activity relationships of opiates] Haubold G. **Med Monatsschr Pharm** 1984 Oct;7(10):302–6 **(Ger)**

[Effect of opiate receptor agonists and antagonists on the resistance of animals to hypoxic hypoxia] Zakusov VV, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):680–2 (Eng. Abstr.) **(Rus)**

[Mechanisms of the effect of opiates and opioids on gonadal and adrenal cortical functions] Belykh AG, et al. **Farmakol Toksikol** 1984 Nov–Dec;47(6):102–8 (62 ref.) **(Rus)**

PHYSIOLOGY

Opioid systems and feeding in the slug, Limax maximus: similarities to and implications for mammalian feeding. Kavaliers M, et al. **Brain Res Bull** 1985 Jun;14(6):681–5

POISONING

ABC of poisoning: opioids [letter] **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1538

ABC of poisoning. Analgesics: opioids. Henry J, et al. **Br Med J [Clin Res]** 1984 Oct 13;289(6450):990–3

Opiate-induced rhabdomyolysis. Blain PG, et al. **Hum Toxicol** 1985 Jan;4(1):71–4

[Massive accidental oral poisoning due to opiates. Details and treatment. Use of naloxone in an emergency situation] Paccaud D. **Rev Med Suisse Romande** 1984 Sep;

104(9):721-3 **(Fre)**

THERAPEUTIC USE

Role of opioid analgesics. Inturrisi CE. **Am J Med** 1984 Sep 10;77(3A):27-37

Narcotic analgesia for the elderly. McCaffery M. **Am J Nurs** 1985 Mar;85(3):296, 298

Opioids, dopamine, and restless legs syndrome [letter] Stoutermire B, et al. **Am J Psychiatry** 1985 May;142(5):662

The physiology and pharmacology of spinal opiates. Yaksh TL, et al. **Annu Rev Pharmacol Toxicol** 1985;25:433-62 (189 ref.)

Should regional anesthesia and pharmacological agents such as beta blockers and opiates be utilized in modulating pain response? Kehlet H. **J Trauma** 1984 Sep;24(9 Suppl):S177-86

[Long-term experiences with continuous peridural opiate analgesia with an implanted pump] Müller H, et al. **Anaesthesist** 1984 Sep;33(9):433-9 (Eng. Abstr.) **(Ger)**

[Spinal opiate analgesia] Zenz M. **Arzneimittelforsch** 1984; 34(9A):1089-92 (Eng. Abstr.) **(Ger)**

[Thoracic peridural opiate-analgesia] Kiss I, et al. **Reg Anaesth** 1985 Jul;8(3):57-9 (Eng. Abstr.) **(Ger)**

TOXICITY

Prenatal opioid exposure and the problem of causal inference. Hutchings DE. **Natl Inst Drug Abuse Res Monogr Ser** 1985; 59:6-19

Lethality of opioid and antihistaminic combinations in mice. Poling A, et al. **Pharmacol Biochem Behav** 1985 Feb; 22(2):333-5

URINE

Latex agglutination-inhibition test for opiates compared with other immunochemical techniques [letter] Chiarotti M, et al. **Clin Chem** 1985 Jun;31(6):1087-8

[Evaluation of a new latex agglutination inhibition test, Agglutex, for the demonstration of opiates in urine] Déom A. **Ann Biol Clin (Paris)** 1984;42(4):317-9 (Eng. Abstr.) **(Fre)**

NARCOTINE see **NOSCAPINE**

NARKE see **TORPEDO**

NASAL BONE

ABNORMALITIES

Maxillo-nasal dysplasia (Binder syndrome) and associated malformations of the cervical spine. Olow-Nordenram MA, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(5):353-60

Maxillonasal dysostosis (Binder syndrome); a review of the literature and case reports. Ferguson JW, et al. **Eur J Orthod** 1985 May;7(2):145-8

Surgical treatment of anterior nasoethmoid encephaloceles. Rommel T, et al. **Z Kinderchir** 1984 Dec;39(6):352-4

ANATOMY & HISTOLOGY

[Comparative anatomical studies of the vomeronasal complex and the rostral palate of various mammals. I] Wöhrmann-Repenning A. **Gegenbaurs Morphol Jahrb** 1984;130(4):501-30 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Bilateral nasal bone osteophytosis associated with short-term oral isotretinoin therapy for cystic acne vulgaris. Novick NL, et al. **Am J Med** 1984 Oct;77(4):736-9

INJURIES

Support of unstable nasal fractures with silicone rubber wedge splints. Colclasure JB, et al. **Arch Otolaryngol** 1985 Jul;111(7):443-5

Open v closed reduction of the fractured nose. Murray JA, et al. **Arch Otolaryngol** 1984 Dec;110(12):797-802

The pattern and incidence of nasolacrimal injury in naso-orbital-ethmoid fractures: the role of delayed assessment and dacryocystorhinostomy. Gruss JS, et al. **Br J Plast Surg** 1985 Jan;38(1):116-21

Nasal fractures in children: influence on the development of the nose. Grymer LF, et al. **J Laryngol Otol** 1985 Aug; 99(8):735-9

The importance of nasal fractures during different growth periods of the nose. Grymer LF, et al. **J Laryngol Otol** 1985 Aug;99(8):741-4

Nasoethmoid complex injuries. Holt GR, et al. **Otolaryngol Clin North Am** 1985 Feb;18(1):87-98

Naso-ethmoid-orbital fractures: classification and role of primary bone grafting. Gruss JS. **Plast Reconstr Surg** 1985 Mar;75(3):303-17

Treatment of nasal fractures [letter] Klein D. **Plast Reconstr Surg** 1985 Jun;75(6):929-30

[Nasoethmoidal fractures] Bourgois F, et al. **Acta Stomatol Belg** 1984 Nov;81(3):205-11 **(Fre)**

[Immediate result of a specialized treatment of a patient with multiple fractures of the facial bones in combined trauma] Antonov VA, et al. **Vestn Khir** 1984 Nov;133(11):93-5 **(Rus)**

RADIOGRAPHY

Case report 306. Diagnosis: sarcoidosis affecting the frontal and nasal bones. Madoule P, et al. **Skeletal Radiol** 1985; 13(4):304-8

SURGERY

Autogenous nasal bone grafts. Smith HW. **Ear Nose Throat J** 1985 Mar;64(3):122-6

[Fixation of repositioned nasal bones using a Hexcelite splint] Uchytil B, et al. **Cesk Otolaryngol** 1984 Sep;33(5):299-302 (Eng. Abstr.) **(Cze)**

[The main beam in nasal reconstruction] Soussaline M, et al. **Ann Chir Plast Esthet** 1985;30(1):93-4 (Eng. Abstr.) **(Fre)**

NASAL CAVITY

Primary lymphomas of the nasal cavity and paranasal sinuses. Robbins KT, et al. **Cancer** 1985 Aug 15;56(4):814-9

Unusual nasal foreign body in a dog. Fallon RK, et al. **J Am Vet Med Assoc** 1985 Apr 1;186(7):710

Rhinosporidiosis in a dog. Mosier DA, et al. **J Am Vet Med Assoc** 1984 Nov 1;185(9):1009-10

Unusual body odour due to a nasal foreign body in a child. Eun HC, et al. **J Dermatol (Tokyo)** 1984 Oct;11(5):501-3

A method of plastic foreign body removal. Cheney ML, et al. **J La State Med Soc** 1985 Jul;137(7):31

Leiomyoma of the nasal cavity (report of a case). Lijovetzky G, et al. **J Laryngol Otol** 1985 Feb;99(2):197-200

Biologically aggressive papillomas of the nasal cavity: the role of radiation therapy. Mendenhall WM, et al. **Laryngoscope** 1985 Mar;95(3):344-7

Removal of foreign bodies from the nose [letter] Guazzo E. **N Engl J Med** 1985 Mar 14;312(11):725

Rock in the nose [letter] Fischer H. **Pediatrics** 1985 Mar; 75(3):616-7

[An autopsy case of extramedullary plasmacytoma with systemic dissemination 2 years after the onset of a localized tumor in the nasal cavity] Akahonai Y, et al. **Gan No Rinsho** 1984 Nov;30(14):1801-6 (Eng. Abstr.) **(Jpn)**

[Ossifying fibroma of the ethmoid labyrinth and nasal cavity] Jordan J, et al. **Otolaryngol Pol** 1985;39(1):65-9 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Patent nasopalatine ducts. Blackburn CW. **Br Dent J** 1984 Dec 8;157(11):401-2

Anchoring indwelling nasal tubes for treating choanal atresia and nasal stenosis. Wang L, et al. **Ear Nose Throat J** 1985 Apr;64(4):185-9

Congenital bilateral choanal atresia in a Standardbred foal. Aylor MK, et al. **Equine Vet J** 1984 Jul;16(4):396-8

Congenital anomalies in patients with choanal atresia: CHARGE-association. Koletzko B, et al. **Eur J Pediatr** 1984 Sep;142(4):271-5

Choanal atresia and its associated anomalies. Further support for the CHARGE Association. Kaplan LC. **Int J Pediatr Otorhinolaryngol** 1985 Mar;8(3):237-42

Choanal atresia. Clinical considerations for management. Strome M, et al. **J Laryngol Otol** 1984 Dec;98(12):1207-12

Posterior choanal atresia: a syndromal disorder. Bergstrom L, et al. **Laryngoscope** 1984 Oct;94(10):1273-6

Surgery for correction of bilateral choanal atresia. Samuel J, et al. **Laryngoscope** 1985 Mar;95(3):326-9

Congenital posterior choanal atresia. Stahl RS, et al. **Pediatrics** 1985 Sep;76(3):429-36

Choanal atresia: precise CT evaluation. Slovis TL, et al. **Radiology** 1985 May;155(2):345-8

[Surgical treatment of congenital choanal atresia in adults] Nemcová H, et al. **Cesk Otolaryngol** 1984 Jun;33(3):159-62 (Eng. Abstr.) **(Slo)**

BLOOD SUPPLY

Light microscopic study of blood vessels of the nasal cavity of the pig. Ghoshal NG, et al. **Acta Anat (Basel)** 1984; 120(4):202-6

A surgical alternative to internal maxillary artery ligation for posterior epistaxis. Anderson RG, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):427-33

DRUG EFFECTS

Effect of aspirin on nasal resistance to airflow. Jones AS, et al. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1171-3

Methylene chloride: a two-year inhalation toxicity and oncogenicity study in rats and hamsters [letter] Reznik GK. **Fundam Appl Toxicol** 1984 Oct;4(5):883-4

EMBRYOLOGY

[Developmental studies on the palatine bone in the human skull. With special references to the development of its nasal surface] Ishimaru T. **Hokkaido Igaku Zasshi** 1984 May;59(3):299-311 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

[The study of host defense mechanisms of the nose. Second report: The influence of the nasal obstruction on the production of local antibodies and on the nasal defense mechanisms against infection] Okamoto Y. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep;87(9):1071-4 (Eng. Abstr.) **(Jpn)**

INJURIES

Intranasal trauma caused by a sharp-edged laser-resistant (silicone) endotracheal tube [letter] Vitkun SA, et al. **Anesthesiology** 1985 Jun;62(6):834-5

[Gunshot wound of the paranasal sinuses and nasal cavity] Bojarska D, et al. **Wiad Lek** 1984 Apr 1;37(7):544-6 (Eng. Abstr.) **(Pol)**

METABOLISM

Microautoradiographic localization of bound metabolites in the nasal cavities of F344 rats treated with the tobacco-specific carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Tjälve H, et al. **JNCI** 1985 Jan;74(1):185-9

MICROBIOLOGY

Study of bacteria in the nasal cavity and nasopharynx during naturally acquired common colds. Winther B, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):315-20

Microbial incidence in upper respiratory tracts of workers in the paper industry. Niemelä SI, et al. **Appl Environ Microbiol** 1985 Jul;50(1):163-8

Virulence of Bordetella bronchiseptica in the porcine respiratory tract. Collings LA, et al. **J Med Microbiol** 1985 Apr;19(2):247-55

PATHOLOGY

Snout impression prints: a technique for recording lesions in porcine atrophic rhinitis. Done JT, et al. **Br Vet J** 1984 Sep-Oct;140(5):478-81

Recurrent necrotizing sialometaplasia of the nasal cavity. Close LG, et al. **Otolaryngol Head Neck Surg** 1985 Jun; 93(3):422-5

Reflections on the management of adenoid cystic carcinoma of the nasal cavity and paranasal sinuses. Howard DJ, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):338-41

PHYSIOLOGY

Nasal blood flow and airway resistance. Canine study. Lung MA, et al. **Ann Otol Rhinol Laryngol** 1985 Mar-Apr;94(2 Pt 1):198-201

The applicability of rhinomanometry in nonatopic children: comparison of three techniques. Georgitis JW. **J Allergy Clin Immunol** 1985 May;75(5):614-20

Committee report on standardization of rhinomanometry. Clement PA. **Rhinology** 1984 Sep;22(3):151-5

Activation of the nasal cilia. Preliminary study in healthy subjects. Nuutinen J. **Rhinology** 1985 Mar;23(1):3-10

The nose as an indicating organ of vegetative controlling mechanisms. Simon H, et al. **Rhinology** 1984 Dec; 22(4):269-80

[Determination of nasal resistance in healthy subjects using 2 technics of rhinomanometry] Ghaem A, et al. **Bull Eur Physiopathol Respir** 1985 Jan-Feb;21(1):11-6 (Eng. Abstr.) **(Fre)**

[Aging effect in nasal resistance] Nishihata S. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Dec;87(12):1654-71 (Eng. Abstr.) **(Jpn)**

[The clinical electrorhinospirograph] Betlejewski S, et al. **Otolaryngol Pol** 1984;38(6):543-7 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

The importance of nasal airway resistance and nasal symptoms in the selection of patients for septoplasty. Jessen M, et al. **Rhinology** 1984 Sep;22(3):157-64

[Diagnostic value of passive anterior rhinomanometry in everyday allergological practice. 4 years' experience] Grosclaude M, et al. **Rev Pneumol Clin** 1985;41(1):9-16 (24 ref.) (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Contribution of the nasal septum to the radiographic anatomy of the equine nasal cavity. Stilson AE Jr, et al. **J Am Vet Med Assoc** 1985 Mar 15;186(6):590-2

[Radiologic study of the nasal fossa. Value of a vasoconstrictor test] Jobin P, et al. **J Radiol** 1984 Apr; 65(4):267-73 (Eng. Abstr.) **(Fre)**

[Results of tomography with polycyclic blur in tumors of the nasal cavity and paranasal sinuses] Müller E, et al. **Z Arztl Fortbild (Jena)** 1984;78(22):959-61 **(Ger)**

[Fungal infection of nasal and paranasal cavity] Suenaga T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep; 87(9):1082-8 (Eng. Abstr.) **(Jpn)**

SECRETION

[Antirotavirus IgA antibody in nasal washes] Shinozaki T, et al. **Uirusu** 1984 Dec;34(2):125-6 **(Jpn)**

SURGERY

Effect of nasal surgery on snoring. Fairbanks DN. **South Med J** 1985 Mar;78(3):268-70

ULTRASTRUCTURE

Fine structure of the epithelia of the vomeronasal organ of horse and cattle. A comparative study. Taniguchi K, et al. **Cell Tissue Res** 1985;240(1):41-8

NASAL DECONGESTANTS see **VASOCONSTRICTOR AGENTS, NASAL**

NASAL MUCOSA

Nasal Schneiderian papillomas: a study of 83 cases. Kristensen S, et al. **Clin Otolaryngol** 1985 Jun;10(3):125-34

ANALYSIS

H1 and H2 histamine receptors in the in vitro nasal mucosa. Ichimura K, et al. **Acta Otolaryngol (Stockh)** 1985 May-Jun; 99(5-6):610-9

Partial purification and characterization of the tissue plasminogen activator in nasal mucosa and nasal polyp. Hamaguchi Y, et al. **Biochem Med** 1985 Feb;33(1):117-23

Muscarinic receptors in rat nasal glands. Klaassen AB, et al. **Cell Biol Int Rep** 1985 Jun;9(6):521

Collection of mucosal secretion by synthetic discs for quantitation of secretory IgA and bacteria. Kristiansen BE. **J Immunol Methods** 1984 Oct 26;73(2):251-7

[Histochemical study of the glycoconjugates in human upper airway mucosa] Fukami K. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Apr;88(4):449-54 (Eng. Abstr.) **(Jpn)**

[A study on silicon localization in the mucous membrane of chronic maxillary sinusitis] Morita K. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jan;88(1):13-9 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Reciprocal changes in nasal resistance to airflow caused by pressure applied to the axilla. Davies AM, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):154-9

Light and electron microscopy of varicose vessels and telangiomas in the nasal mucosa of habitual nosebleeders. Johansson BR, et al. **Acta Otolaryngol (Stockh)** 1985 May-Jun;99(5-6):620-9

The laser Doppler flowmeter for measuring microcirculation in human nasal mucosa. Olsson P, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):133-9

Nasal mucosal blood flow at rest and during exercise. Paulsson B, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb; 99(1-2):140-3

Unusual effects of histamine antagonists on canine nasal blood vessels. Ichimura K, et al. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):313-8

Nasal blood flow and airway resistance. Canine study. Lung MA, et al. **Ann Otol Rhinol Laryngol** 1985 Mar-Apr;94(2 Pt 1):198-201

Response of nasal blood flow to neurohormones as measured by laser-Doppler velocimetry. Druce HM, et al. **J Appl Physiol** 1984 Oct;57(4):1276-83

Nasal mucosal blood flow in atrophic rhinitis. Bende M. **ORL J Otorhinolaryngol Relat Spec** 1985;47(4):216-9

An in vitro technique for testing nasal vasodilating agents. Jackson RT. **Otolaryngol Head Neck Surg** 1980 Jul-Aug; 88(4):434-8

Vascular effects of phenylpropanolamine on human nasal mucosa. Bende M, et al. **Rhinology** 1985 Mar;23(1):43-8

CYTOLOGY

Growth and differentiation of human nasal epithelial cells in culture. Serum-free, hormone-supplemented medium and proteoglycan synthesis. Wu R, et al. **Am Rev Respir Dis** 1985 Aug;132(2):311-20

Normal nasal cytology in infancy. Cohen GA, et al. **Ann Allergy** 1985 Feb;54(2):112-4

Studies of nasal surface basophilic cells. Okuda M, et al. **Ann Allergy** 1985 Jan;54(1):69-71

Frequency and coordination of ciliary beat after cryopreservation of respiratory epithelium. Wulffraat NM, et al. **Cryobiology** 1985 Apr;22(2):105-10

Goblet cell number in the nasal mucosa relates to cell-mediated immunity in patients with antibody deficiency syndromes. Karlsson G, et al. **Int Arch Allergy Appl Immunol** 1985;78(1):86-91

A method for the preparation of imprints from the nasal mucosa. Pipkorn U, et al. **J Immunol Methods** 1984 Oct 12;73(1):133-7

Desquamation and squamotransformation of rhinomucosa as a prodromal sign of atrophic rhinitis. Chen HS. **ORL J Otorhinolaryngol Relat Spec** 1984;46(6):327-8

[Cytology of healthy nasal mucosa] Miszke A, et al. **Otolaryngol Pol** 1985;39(1):25-31 (Eng. Abstr.) **(Pol)**

[Morphological, histological and ultrastructural study of the olfactory mucosa. I. The olfactory epithelium] Gil-Carcedo LM, et al. **An Otorrinolaringol Ibero Am** 1985; 12(4):291-304 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Contralateral effects of unilateral nasal decongestion. Bende M. **Acta Otolaryngol (Stockh)** 1985 May-Jun; 99(5-6):637-40

Nasal challenge with serotonin and histamine in normal persons. Tønnesen P, et al. **Allergy** 1985 Jul;40(5):350-3

Formaldehyde and the nasal mucosa [letter] Edling C, et al. **Br J Ind Med** 1985 Aug;42(8):570-1

Nasal mucociliary clearance in hairdressers: correlation to exposure to hair spray. Borum P, et al. **Clin Otolaryngol** 1984 Dec;9(6):329-34

The effect of ipratropium bromide (Atrovent) on the air conditioning capacity of the nose. Kumlien J, et al. **Clin Otolaryngol** 1985 Jun;10(3):165-8

Response of human ciliated respiratory epithelium to brief in vivo ozone exposure: an ultrastructural study. Carson JL, et al. **Environ Res** 1985 Jun;37(1):212-27

Influence of vapours on the nasal mucosa among industry workers. Odkvist LM, et al. **Rhinology** 1985 Jun;23(2):121-7

Effect of ipratropium bromide on nasal mucociliary transport. Ohi M, et al. **Rhinology** 1984 Dec;22(4):241-6

Nasal mucosa changes after exposure to dicumylperoxide. Petruson B, et al. **Rhinology** 1985 Jun;23(2):118-20

Effect of betamethasone and betamethasone with neomycin nasal drops on human nasal mucociliary clearance and ciliary beat frequency. Stanley PJ, et al. **Thorax** 1985 Aug; 40(8):607-12

Capsaicin sensitive sensory neurons mediate the response to nasal irritation induced by the vapour phase of cigarette smoke. Lundblad L, et al. **Toxicology** 1984 Oct;33(1):1-7

EMBRYOLOGY

Vomeronasal organs and nerves of Jacobson in the human fetus. Nakashima T, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):266-71

ENZYMOLOGY

Studies of the substructures of the lysozyme-rich secretory granule of the serous cell in the human nasal gland. Machino M, et al. **Arch Histol Jpn** 1984 Nov;47(5):549-51

Localization of lysozyme in the frozen section of nasal mucosa by protein A-gold technique. Tachibana M, et al. **Auris Nasus Larynx** 1985;12(1):23-6

Localization of a cytochrome P-450 isozyme (cytochrome P-450 PB-B) and NADPH-cytochrome P-450 reductase in rat nasal mucosa. Voigt JM, et al. **Cancer Lett** 1985 Jul; 27(3):241-7

Hydrolysis of several glycol ether acetates and acrylate esters by nasal mucosal carboxylesterase in vitro. Stott WT, et al. **Fundam Appl Toxicol** 1985 Apr;5(2):399-404

[Protease and protease inhibitor from nasal secretions and mucosal extracts] Fukuda K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Aug;87(8):936-43 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

The effect of cold exposure and exercise upon the nasal mucosal responses in nasal allergy. Konno A, et al. **Ann Allergy** 1985 Jan;54(1):50-9

Ultrastructural heterogeneity of the basophilic cells in the allergic nasal mucosa. Okuda M, et al. **Ann Allergy** 1985 Feb;54(2):152-7

Topical immunology of nasal allergy and mucosal IgE antibodies. Ohashi Y, et al. **Arch Otorhinolaryngol** 1985; 241(2):169-74

Secretory and humoral immunologic response of atopic and non-atopic individuals to intranasally administered antigen. Butcher BT, et al. **Clin Allergy** 1975 Mar;5(1):33-42

Mediator release after allergic and physical nasal challenges. Norman PS, et al. **Int Arch Allergy Appl Immunol** 1985; 77(1-2):57-63

Immunization against influenza in humans using an oral enteric-coated killed virus vaccine. Lazzell V, et al. **J Biol Stand** 1984 Jul;12(3):315-21

A panel of monoclonal antibodies to the rat olfactory epithelium. Hempstead JL, et al. **J Neurosci** 1985 Feb; 5(2):438-49

Specific IgA antibody in nasal washes from patients with rotavirus infection. Shinozaki T, et al. **Pediatr Infect Dis** 1985 May-Jun;4(3):299-300

[Changes in IgA levels in nasal mucus after upper respiratory tract diseases in infants treated with carbocysteine] Henocq A, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(5):373-5 (Eng. Abstr.) **(Fre)**

[Secretory immunity of the nasal mucosa and its relevance to influenza] Meyer P, et al. **Z Arztl Fortbild (Jena)** 1985; 79(5):195-7 **(Ger)**

[The mechanism of allergic reaction in the nasal mucosa] Hamaguchi F. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Apr; 88(4):492-501 (Eng. Abstr.) **(Jpn)**

[The study of host defense mechanisms of the nose. Third report: absorption of an antigen from the nasal mucosa] Okamoto Y. **Nippon Jibiinkoka Gakkai Kaiho** 1985 May; 88(5):633-42 (Eng. Abstr.) **(Jpn)**

[The distribution of basophiloid cells in nasal mucosa] Watanabe K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Feb;88(2):123-7 (Eng. Abstr.) **(Jpn)**

[Mechanisms of allergic reaction in respiratory tract mucosa] Gniazdowski R. **Wiad Lek** 1985 May 1;38(9):653-8 **(Pol)**

INNERVATION

Effects of nasal capsaicin pretreatment and cryosurgery on sneezing reflexes, neurogenic plasma extravasation, sensory and sympathetic neurons. Lundblad L, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):117-27

Transnasal approach to the vidian nerve: anatomical considerations. Kirtane MV, et al. **J Postgrad Med** 1984 Oct;30(4):210-3

Chemosensory and neural influences on photoperiodic responsiveness of laboratory rats. Nelson RJ, et al. **Neuroendocrinology** 1985 Apr;40(4):285-90

[Stimulation of trigeminal receptors of the nasal mucosa by respiratory airflow] Glebovskii VD, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1534-41 (Eng. Abstr.) **(Rus)**

METABOLISM

A study of the synthesis and inactivation of prostaglandin E by pig nasal mucosa. Bedwani JR, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):308-14

Histamine H1 receptors and affinity analyses in human nasal mucosa in cases of nasal allergy. Ishibe T, et al. **Ann Otol Rhinol Laryngol** 1985 Mar-Apr;94(2 Pt 1):186-90

Intranasal calcitonin and plasma calcium concentrations in normal subjects. Pontiroli AE, et al. **Br Med J [Clin Res]** 1985 May 11;290(6479):1390-1

Measurement of O6-methyldeoxyguanosine in DNA methylated by the tobacco-specific carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone using a biotin-avidin enzyme-linked immunosorbent assay. Foiles PG, et al. **Carcinogenesis** 1985 Jul;6(7):989-93

Purification and characterisation of an odorant-binding protein from cow nasal tissue. Bignetti E, et al. **Eur J Biochem** 1985 Jun 3;149(2):227-31

Alpha 1- and beta-adrenergic and muscarinic cholinergic receptors in guinea-pig nasal mucosa. Ishibe T, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):107-12

On the existence of receptors to the pheromonal steroid, 5 alpha-androst-16-en-3-one, in porcine nasal epithelium. Hancock MR, et al. **FEBS Lett** 1985 Feb 25;181(2):328-34

The nasal absorption of sodium cromoglycate in the albino rat. Fisher AN, et al. **J Pharm Pharmacol** 1985 Jan; 37(1):38-41

Enhancement of nasal absorption of insulin and calcitonin using polyacrylic acid gel. Morimoto K, et al. **J Pharm Pharmacol** 1985 Feb;37(2):134-6

Mechanism of nasal absorption of drugs I: Physicochemical parameters influencing the rate of in situ nasal absorption of drugs in rats. Huang CH, et al. **J Pharm Sci** 1985 Jun; 74(6):608-11

Nasal absorption of testosterone in rats. Hussain AA, et al. **J Pharm Sci** 1984 Sep;73(9):1300-1

Effects of dose, pH, and osmolarity on nasal absorption of secretin in rats. Ohwaki T, et al. **J Pharm Sci** 1985 May; 74(5):550-2

Nasal delivery of polypeptides I: nasal absorption of enkephalins in rats. Su KS, et al. **J Pharm Sci** 1985 Apr; 74(4):394-8

Metabolism of benzo[a]pyrene on the nasal mucosa of Syrian hamsters: comparison to metabolism by other extrahepatic tissues and possible role of nasally produced metabolites in carcinogenesis. Dahl AR, et al. **JNCI** 1985 Jul; 75(1):135-9

Persistence of abnormal chloride ion permeability in cystic fibrosis nasal epithelial cells in heterologous culture. Yankaskas JR, et al. **Lancet** 1985 Apr 27;1(8435):954-6

Isolation and characterization of an olfactory receptor protein for odorant pyrazines. Pevsner J, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):3050-4

The inhibition of norepinephrine release in nasal mucosa by acetylcholine. Jackson RT, et al. **Rhinology** 1985 Mar; 23(1):59-64

The mechanisms of systemic symptoms following nasal administration of allergens. Okamoto Y, et al. **Rhinology** 1985 Jun;23(2):137-47

Nasal mucosa from rat fetuses and neonates metabolizes the nasal carcinogen phenacetin. Brittebo EB, et al. **Toxicol Lett** 1984 Dec;23(3):279-85

MICROBIOLOGY

Rhinovirus inactivation by nasal tissues treated with virucide. Hayden GF, et al. **Antiviral Res** 1985 Apr;5(2):103-9

Rabies virus in the salivary glands and nasal mucosa of naturally infected skunks. Charlton KM, et al. **Can J Comp Med** 1984 Jul;48(3):338-9

Experimental meningococcal infection in neonatal animals: models for mucosal invasiveness. Salit IE, et al. **Can J Microbiol** 1984 Aug;30(8):1022-9

Adherence of Haemophilus influenzae to monkey respiratory tissue in organ culture. Roberts M, et al. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1437-47

Quantification of respiratory syncytial virus polypeptides in nasal secretions by monoclonal antibodies. Hendry RM, et al. **J Gen Virol** 1985 Aug;66 (Pt 8):1705-14

Extracellular release of enveloped vaccinia virus from mouse nasal epithelial cells in vivo. Payne LG, et al. **J Gen Virol** 1985 Mar;66 (Pt 3):643-6

Isolation of Haemophilus pleuropneumoniae from the nasal cavities of healthy pigs. Kume K, et al. **Nippon Juigaku Zasshi** 1984 Oct;46(5):641-7

[Enterotoxigenic Staphylococcus aureus in the nasal vestibule of food handlers in hospital kitchens of the municipality of João Pessoa, Paraíba] Castro MM, et al. **Rev Saude Publica** 1984 Jun;18(3):235-45 (Eng. Abstr.) **(Por)**

PATHOLOGY

Nasal cuboidal metaplasia with dysplasia. Precursor to adenocarcinoma in wood-dust-exposed workers? Wilhelmsson B, et al. **Acta Otolaryngol (Stockh)** 1985

May–Jun;99(5–6):641–8

Nasal epithelium in woodworkers in the furniture industry. A histological and cytological study. Wilhelmsson B, et al. **Acta Otolaryngol (Stockh)** 1984 Sep–Oct;98(3–4):321–34

Marijuana and fungal infection [letter] Schwartz IS. **Am J Clin Pathol** 1985 Aug;84(2):256

Terminal tubulus adenocarcinoma of the nasal seromucous glands. A specific entity. Kleinsasser O. **Arch Otorhinolaryngol** 1985;241(2):183–93

The toxicity of dimethylamine in F-344 rats and B6C3F1 mice following a 1-year inhalation exposure. Buckley LA, et al. **Fundam Appl Toxicol** 1985 Apr;5(2):341–52

Histopathologic studies on mucosal and cutaneous lesions in contagious papular dermatitis of Japanese serow (Capricornis crispus). Okada HM, et al. **Nippon Juigaku Zasshi** 1984 Jun;46(3):257–64

Clinical findings in patients with allergic rhinitis. Binder E, et al. **Rhinology** 1984 Dec;22(4):255–60

Histopathology of the nasal mucosa in furniture workers. Boysen M. **Rhinology** 1985 Jun;23(2):109–13

[Recent data on malignant melanoma of the upper respiratory and digestive tract mucosa. Apropos of a case] Kanellopoulos G, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):553–9 (Eng. Abstr.) **(Fre)**

[The nasal mucosa and nasal septum in fluorosis] Miszke A, et al. **Otolaryngol Pol** 1984;38(5):421–9 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Non-specific rhinoreactivity: non-specific nasal provocation tests with methacholine and cold water solution. Filiaci F, et al. **Allergol Immunopathol (Madr)** 1985 Jan–Feb;13(1):29–34

Influence of environmental temperature on human nasal mucosa. Olsson P, et al. **Ann Otol Rhinol Laryngol** 1985 Mar–Apr;94(2 Pt 1):153–5

Normal values of mucociliary transport time in young subjects. Passàli D, et al. **Int J Pediatr Otorhinolaryngol** 1985 Jul;9(2):151–6

The contribution of nasal countercurrent heat exchange to water balance in the northern elephant seal, Mirounga angustirostris. Huntley AC, et al. **J Exp Biol** 1984 Nov;113:447–54

Correlation between nasal ciliary beat frequency and mucus transport rate in volunteers. Duchateau GS, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):854–9

Gender differences in the perception of pungency. Cometto-Muñiz JE, et al. **Physiol Behav** 1985 Mar;34(3):385–9

Human nasal mucosa reaction during chilling of the feet. Juto JE, et al. **Rhinology** 1985 Jun;23(2):131–6

The influence of vegetative stimuli on the human nasal mucous membrane. Simon H, et al. **Rhinology** 1985 Mar;23(1):27–33

The nose as an indicating organ of vegetative controlling mechanisms. Simon H, et al. **Rhinology** 1984 Dec;22(4):269–80

[Radiologic study of the nasal fossa. Value of a vasoconstrictor test] Jobin P, et al. **J Radiol** 1984 Apr;65(4):267–73 (Eng. Abstr.) **(Fre)**

[Nasal cycle using rhinomanometric measurements] Lenz H, et al. **HNO** 1985 Feb;33(2):58–61 (Eng. Abstr.) **(Ger)**

[Study of muco-ciliary transport] Passali D, et al. **Srp Arh Celok Lek** 1984 Feb;112(2):229–34 (Eng. Abstr.) **(Sec)**

PHYSIOPATHOLOGY

Activation of the impaired nasal mucociliary function. A preliminary clinical study. Nuutinen J. **Acta Otolaryngol (Stockh)** 1985 May–Jun;99(5–6):605–9

Reversibility of reduced mucociliary clearance in chronic sinusitis. Sakakura Y, et al. **Clin Otolaryngol** 1985 Apr;10(2):79–83

Efficiency and limitations of the upper airway mucosa as an air conditioner evaluated from the mechanisms of bronchoconstriction in asthmatic subjects. Konno A, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(1):5–16

Transepithelial potential difference in cystic fibrosis. Hay JG, et al. **Thorax** 1985 Jul;40(7):493–6

[Role of mucus and cilia on dysfunction in nasal mucociliary transportation in chronic sinusitis] Majima Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep;87(9):1075–81 (Eng. Abstr.) **(Jpn)**

[Ciliary activity of nasal allergy mucous membrane] Ohashi Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Nov;87(11):1511–8 (Eng. Abstr.) **(Jpn)**

[Study of the humidifying and warming capacity of the nasal mucosa in patients with tracheostomies] Gál P. **Cesk Otolaryngol** 1984 Jul;33(4):235–9 (Eng. Abstr.) **(Slo)**

SECRETION

Nasal mucosa reaction, catecholamines and lactate during physical exercise. Juto JE, et al. **Acta Otolaryngol (Stockh)** 1984 Nov–Dec;98(5–6):533–42

A method for measuring polymorphonuclear leukocyte concentrations in nasal mucus. Farr B, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;413:15–8

Analysis of human nasal mucous glycoproteins. Patow CA, et al. **Am J Otolaryngol** 1984 Sep–Oct;5(5):334–43

Canine atopic disease: investigations of eosinophils and the nasal mucosa. Willemse A. **Am J Vet Res** 1984 Sep;45(9):1867–9

Measurement of antigen-specific IgE in nasal secretions of patients with perennial rhinitis. Small P, et al. **Ann Allergy** 1985 Jul;55(1):68–71

Cyclic nucleotide levels of nasal secretions in allergic patients and control subjects. Asakura K, et al. **Arch Otorhinolaryngol** 1984;240(3):249–53

The concentrations of IgA and free secretory piece in the nasal secretions of patients with recurrent respiratory infections. Stanley PJ, et al. **Clin Exp Immunol** 1985 Jan;59(1):197–202

The effect of topical phenylpropanolamine on nasal secretion and nasal airway resistance after histamine challenge in man. Löth S, et al. **Clin Otolaryngol** 1985 Feb;10(1):15–9

Catecholamine hormones and the control of avian salt glands. Wilson JX, et al. **Comp Biochem Physiol [C]** 1985;81(1):77–9

Cholinergic nasal hyperreactivity in atopic subjects. Druce HM, et al. **J Allergy Clin Immunol** 1985 Sep;76(3):445–52

Influx of kininogens into nasal secretions after antigen challenge of allergic individuals. Baumgarten CR, et al. **J Clin Invest** 1985 Jul;76(1):191–7

Control of mucoglycoprotein output from the rabbit nose. Pell J, et al. **J Physiol (Lond)** 1984 Aug;353:339–53

Production of mucous glycoproteins by nasal turbinates in vitro. Patow CA, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):424–6

[Immunoglobulins A, M, G and E in the serum and nasal discharge in hay fever] Obtułowicz K, et al. **Pol Tyg Lek** 1985 Mar 25–31;40(12–13):369–72 (Eng. Abstr.) **(Pol)**

[Use of the crystalline film method in the diagnosis of pathological processes] Teodor IL, et al. **Lab Delo** 1985;(5):295–8 (Eng. Abstr.) **(Rus)**

SURGERY

Submucosal diathermy of the inferior turbinate and the congested nose. von Haacke NP, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(4):189–93

The Cronin push-back palate repair with nasal mucosal flaps: a speech evaluation. Aaronson SM, et al. **Plast Reconstr Surg** 1985 Jun;75(6):805–9

[Treatment of lacrimal duct obstruction by anastomosis of the conjunctiva duct and nasal mucosa duct] Zhang ZJ. **Chung Hua Yen Ko Tsa Chih** 1984 Sep;20(5):319–20 **(Chi)**

[Submucous turbinate resection] Schmoldt U, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Jul;64(7):328–30 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Transposed ciliary microtubules in Kartagener's syndrome. A case report with electron microscopy of bronchial and nasal brushings. Moreau MF, et al. **Acta Cytol (Baltimore)** 1985 May–Jun;29(3):248–53

The human respiratory nasal mucosa in nasal syphilis. An ultra-microscopic study. Toppozada H, et al. **Acta Otolaryngol (Stockh)** 1985 Mar–Apr;99(3–4):272–9

Intercellular junctions in upper airway submucosal glands of the rat: a tracer and freeze fracture study. Schneeberger EE, et al. **Anat Rec** 1984 Nov;210(3):421–33

Abnormal length of cilia as a possible cause of defective mucociliary clearance. Afzelius BA, et al. **Eur J Respir Dis** 1985 Mar;66(3):173–80

Ultrastructural observations on basal apparatus of respiratory cilia in immotile cilia syndrome. Lungarella G, et al. **Eur J Respir Dis** 1985 Mar;66(3):165–72

In situ degranulation of human nasal mucosal mast cells: ultrastructural features and cell-cell associations. Friedman MM, et al. **J Allergy Clin Immunol** 1985 Jul;76(1):70–82

Structural heterogeneity of the axonemes of respiratory cilia and sperm flagella in normal men. Wilton LJ, et al. **J Clin Invest** 1985 Mar;75(3):825–31

Further observations on nasal mucosal changes in scleroderma. A histochemical and electron microscopic study. Elwany S, et al. **J Laryngol Otol** 1984 Sep;98(9):879–86

Acquired ciliary defects in nasal epithelium of children with acute viral upper respiratory infections. Carson JL, et al. **N Engl J Med** 1985 Feb 21;312(8):463–8

Electron microscopy on mucosal and cutaneous lesions in contagious papular dermatitis of Japanese Serow (Capricornis crispus). Okada HM, et al. **Nippon Juigaku Zasshi** 1984 Jun;46(3):297–302

Scanning electron microscopic demonstration of goblet cell discharge and mucous layer on nasal ciliated respiratory epithelium. Dudley JP, et al. **Otolaryngol Head Neck Surg** 1980 Jul–Aug;88(4):439–41

Ciliary ultrastructure and nasal mucociliary clearance in chronic and allergic rhinitis. Maurizi M, et al. **Rhinology** 1984 Dec;22(4):233–40

Ultrastructural study of immotile cilia syndrome. Watanabe Y, et al. **Rhinology** 1984 Sep;22(3):193–9

Glycocalyx and glycocalyceal bodies in the respiratory epithelium of nose and bronchi. Afzelius BA. **Ultrastruct Pathol** 1984;7(1):1–8

Ultrastructure of human respiratory cilia: a study based on serial sections. Rautiainen M, et al. **Ultrastruct Pathol** 1984;6(4):331–9

[Transmission electron microscopy study of the nasal cilia] Byloos J, et al. **Acta Otorhinolaryngol Belg** 1984;38(4):391–400 (Eng. Abstr.) **(Dut)**

[Nasal ciliary immobility and its otological consequences] Charton J, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(2):91–5 (Eng. Abstr.) **(Fre)**

[Resection of the vidian nerve in vasomotor rhinitis: morphofunctional effects on the nasal mucosa] Rucci L, et al. **Acta Otorhinolaryngol Ital** 1984 May–Jun;4(3):277–95 (Eng. Abstr.) **(Ita)**

[Electron microscopy in long-term ozena] Sekula J, et al. **Otolaryngol Pol** 1984;38(6):461–7 (Eng. Abstr.) **(Pol)**

NASAL POLYPS

ANALYSIS

Partial purification and characterization of the tissue plasminogen activator in nasal mucosa and nasal polyp. Hamaguchi Y, et al. **Biochem Med** 1985 Feb;33(1):117–23

BLOOD SUPPLY

Blood flow in nasal polyps. Bende M, et al. **J Laryngol Otol** 1985 Feb;99(2):167–9

COMPLICATIONS

An oral soft tissue lesion associated with a sinus mass. Vizuete JR, et al. **J Am Dent Assoc** 1985 Apr;110(4):535–6

Ethmoiditis. Pathophysiology and medical management. Eichel B. **Otolaryngol Clin North Am** 1985 Feb;18(1):43–53

Nasal polyposis, bronchial asthma and analgesic intolerance. Loewe G, et al. **Rhinology** 1985 Mar;23(1):19–26

DIAGNOSIS

Pathologic quiz case 2. Antral choanal polyp. Clegg TJ, et al. **Arch Otolaryngol** 1985 Sep;111(9):634–6

Inverted sinonasal papillomas. Bosley CE, et al. **Ear Nose Throat J** 1984 Oct;63(10):509–13

[Nasal tumor in pregnancy] Martiat B, et al. **Acta Otorhinolaryngol Belg** 1984;38(2):148–55 (Eng. Abstr.) **(Fre)**

[Nasal polyp in an infant] Skuratowicz A, et al. **Otolaryngol Pol** 1985;39(1):71–2 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Nasal polyps, bronchial asthma, and aspirin sensitivity: the Samter syndrome. Zeitz HJ, et al. **Compr Ther** 1985 Jun;11(6):21–6

[Etiological diagnosis of nasal polyps] Kuchynková Z, et al. **Cesk Otolaryngol** 1984 Sep;33(5):306–9 (Eng. Abstr.) **(Cze)**

[Current clinico-therapeutic findings in nasal polyps] Sarafoleanu D, et al. **Rev Chir [Otorinolaringol]** 1984 Oct–Dec;29(4):259–62 (Eng. Abstr.) **(Rum)**

MICROBIOLOGY

Human ciliated epithelial cells from nasal polyps as an experimental model for Mycoplasma pneumoniae infection. Almagor M, et al. **Infect Immun** 1985 May;48(2):552–5

PATHOLOGY

Polypoid nasal pseudolymphoma. Rimarenko S, et al. **Am J Clin Pathol** 1985 Apr;83(4):507–9

Terminal tubulus adenocarcinoma of the nasal seromucous glands. A specific entity. Kleinsasser O. **Arch Otorhinolaryngol** 1985;241(2):183–93

Lymphangioma presenting as a nasal polyp in an infant. Beneck D, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):773–5

[Structural study of nasal polyps] Sasaki Y. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Aug;87(8):1054–7 **(Jpn)**

PREVENTION & CONTROL

Flunisolide nasal spray 0.025% in the prophylactic treatment of nasal polyposis after polypectomy. A randomized, double blind, parallel, placebo controlled study. Dingsør G, et al. **Rhinology** 1985 Mar;23(1):49–58

SURGERY

Revision sphenoidethmoidectomy. Eichel BS. **Laryngoscope** 1985 Mar;95(3):300–4

Snare applying the Ti-Ni shape memory alloy for nasal polypotomy and tonsillectomy. Fujioka M, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):869–71

[Aspiration of choanal polyps] Zinger KK, et al. **Vestn Otorinolaringol** 1985 Mar–Apr;(2):69 **(Rus)**

THERAPY

Hay fever, rhinitis and nasal polyps. Grey P. **Aust Fam Physician** 1985 Jun;14(6):510–1

[Treatment of nasal polyps with ultrasound] Fajstavr J. **Cesk Otolaryngol** 1984 Jul;33(4):244–7 (Eng. Abstr.) **(Cze)**

VETERINARY

Naturally occurring nasal obstructions in 11 sheep. Rings DM, et al. **Cornell Vet** 1985 Apr;75(2):269–76

NASAL PROVOCATION TESTS

Tympanometric changes following nasal antigen challenge in children with allergic rhinitis. O'Connor RD, et al. **Ann Allergy** 1984 Dec;53(6):468-71

Response of nasal blood flow to neurohormones as measured by laser-Doppler velocimetry. Druce HM, et al. **J Appl Physiol** 1984 Oct;57(4):1276-83

The effect of beclomethasone dipropionate treatment on the nasal provocation test. Clement PA, et al. **Rhinology** 1984 Sep;22(3):183-91

[Changes in nasal resistance induced by nasal provocation in nasal allergy] Naito K, et al. **Arerugi** 1985 Jun; 34(6):341-50 (Eng. Abstr.) **(Jpn)**

[Provocation tests in the diagnosis of allergy of the upper respiratory tract] Gawin A, et al. **Otolaryngol Pol** 1984; 38(6):523-7 (Eng. Abstr.) **(Pol)**

METHODS

Non-specific rhinoreactivity: non-specific nasal provocation tests with methacholine and cold water solution. Filiaci F, et al. **Allergol Immunopathol (Madr)** 1985 Jan-Feb; 13(1):29-34

[Value of nasal provocation tests in the evaluation of vasomotor rhinopathies. Study of a patch method (251 cases)] Royer P, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(2):87-9 **(Fre)**

[Realistic nasal provocation tests (letter)] Bittera I, et al. **Presse Med** 1984 Dec 8;13(44):2706 **(Fre)**

[Diagnostic value of passive anterior rhinomanometry in everyday allergological practice. 4 years' experience] Grosclaude M, et al. **Rev Pneumol Clin** 1985;41(1):9-16 (24 ref.) (Eng. Abstr.) **(Fre)**

[Nasal respiratory resistance in healthy adults using oscillation method] Iga T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Apr;88(4):486-91 (Eng. Abstr.) **(Jpn)**

NASAL SEPTUM

Carcinoma of the nasal septum. LeLiever WC, et al. **Arch Otolaryngol** 1984 Nov;110(11):748-51

Intranasal glomus tumor. Potter AJ Jr, et al. **Arch Otolaryngol** 1984 Nov;110(11):755-6

Schneiderian papillomas of the nasal septum. Kristensen S. **Arch Otorhinolaryngol** 1985;241(3):233-6

Abscess of the nasal septum complicating isolated acute sphenoiditis. Collins MP. **J Laryngol Otol** 1985 Jul; 99(7):715-9

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 26-1985. A 43-year-old woman with a progressive saddle-nose deformity. **N Engl J Med** 1985 Jun 27;312(26):1695-703

Pseudomonas nasal septal abscess. Kean H. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter; 37(2):248-9

Large squamous papilloma of the nasal septum. Papola JS, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter; 37(2):240-3

[Nose destruction following septum abscess: surgical prevention] Huizing EH. **Ned Tijdschr Geneeskd** 1985 Mar 30;129(13):577-9 **(Dut)**

[Abscesses and hematomas of the nasal septum in childhood] Viscasillas J, et al. **An Otorrinolaringol Ibero Am** 1984; 11(5-6):419-29 (Eng. Abstr.) **(Spa)**

[Polyarteritis nodosa and perforation of the nasal septum (letter)] Oristrell Salva J, et al. **Med Clin (Barc)** 1985 Apr 30;84(16):673-4 **(Spa)**

ABNORMALITIES

Treacher-Collins syndrome with deviated nasal septum. Bhatia R, et al. **Indian J Pediatr** 1984 Nov-Dec; 51(413):739-41

Correlation of birth weight and head circumference with deviated nasal septum in newborns--a preliminary report. Bhatia R, et al. **Indian J Pediatr** 1984 Nov-Dec; 51(413):649-51

Septal manipulation in the neonate: method and results. Gray LP. **Int J Pediatr Otorhinolaryngol** 1985 Mar;8(3):195-209

Septoplasty in unilateral atrophic rhinitis with deviated nasal septum. Gupta SC. **J Laryngol Otol** 1985 Feb;99(2):163-5

[Congenital aplasia of the nasal columella and cartilaginous septum] Jacobs KF. **Laryngol Rhinol Otol (Stuttg)** 1984 Jul;63(7):344-6 (Eng. Abstr.) **(Ger)**

[Rhinomanometric and cephalometric study on the coexistence of malformations of the palate and nasal septum] Busca GP, et al. **Acta Otorhinolaryngol Ital** 1984 Jul-Aug;4(4):435-43 (Eng. Abstr.) **(Ita)**

[Luxation of the nasal septum in the newborn] Broch H, et al. **Tidsskr Nor Laegeforen** 1985 Mar 10;105(7):513-5 (Eng. Abstr.) **(Nor)**

ANATOMY & HISTOLOGY

Anatomy of the vomeronasal organ in the dog. Salazar I, et al. **Folia Morphol (Praha)** 1984;32(4):331-41

[Comparative anatomical studies of the vomeronasal complex and the rostral palate of various mammals. I] Wöhrmann-Repenning A. **Gegenbaurs Morphol Jahrb** 1984;130(4):501-30 (Eng. Abstr.) **(Ger)**

[Comparative anatomic studies of the vomeronasal complex and the rostral palate of various mammals] Wöhrmann-Repenning A. **Gegenbaurs Morphol Jahrb** 1984;130(5):609-37 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Nasal sprays and perforation of the nasal septum [letter] Schoelzel EP, et al. **JAMA** 1985 Apr 12;253(14):2046

EMBRYOLOGY

Traction, prenatal development, and the labioseptopremaxillary region. Siegel MI, et al. **Plast Reconstr Surg** 1985 Jul;76(1):25-8

ENZYMOLOGY

Human nasal septal cartilage: local distribution of different enzyme activities in healthy adults and acromegalic patients. Vetter U, et al. **Laryngoscope** 1985 Apr; 95(4):469-73

GROWTH & DEVELOPMENT

Comparisons between extracted and residual proteoglycans on the glycosaminoglycan level and changes with ageing. Theocharis DA. **Int J Biochem** 1985;17(2):155-60

[Development of the nasal septum in rabbits. III. Quantitative observations on cells and intercellular substance] Tonneyck-Müller I. **Acta Morphol Neerl Scand** 1984 Jul; 22(2):133-41 (Eng. Abstr.) **(Ger)**

INJURIES

Nasal septal perforation associated with topical corticosteroid therapy. Soderberg-Warner ML. **J Pediatr** 1984 Nov; 105(5):840-1

Abscess of the nasal septum after trauma. Close DM, et al. **Med J Aust** 1985 Apr 15;142(8):472-4

PATHOLOGY

Historical notes and actual observations on the nasal septal abscess especially in children. Pirsig W. **Int J Pediatr Otorhinolaryngol** 1984 Oct;8(1):43-54

Pleomorphic adenoma of the nasal septum. Wenig BL, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):432-6

Nasal septal hemangioma. Wenig BL, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):436-41

[The nasal mucosa and nasal septum in fluorosis] Miszke A, et al. **Otolaryngol Pol** 1984;38(5):421-9 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

An autoradiographic study of the mouse olfactory epithelium: evidence for long-lived receptors. Hinds JW, et al. **Anat Rec** 1984 Oct;210(2):375-83

RADIOGRAPHY

Tomographic assessment of nasal septal changes following surgical-orthodontic rapid maxillary expansion. Schwarz GM, et al. **Am J Orthod** 1985 Jan;87(1):39-45

Contribution of the nasal septum to the radiographic anatomy of the equine nasal cavity. Stilson AE Jr, et al. **J Am Vet Med Assoc** 1985 Mar 15;186(6):590-2

Speckled radiopacity of the cartilaginous nasal septum: a sign of aging or a feature of chronic systemic disease? Sleamaker TF, et al. **J Oral Med** 1982 Oct-Dec;37(4):136-40

SURGERY

Septoplasty complicated by staphylococcal spinal osteomyelitis. Cohen BJ, et al. **Arch Intern Med** 1985 Mar; 145(3):556-7

An approach to large nasoseptal perforations and attendant deformity. Belmont JR. **Arch Otolaryngol** 1985 Jul; 111(7):450-5

Intranasal composite grafts for dorsal support. Conley J. **Arch Otolaryngol** 1985 Apr;111(4):241-3

Primary columella lengthening and lip adhesion. Tolhurst DE. **Br J Plast Surg** 1985 Jan;38(1):89-92

Resection of the interfrontal sinus septum in chronic or recurrent frontal sinusitis. Pre- and post-operative evaluation of the naso-frontal duct. Andréasson L, et al. **Clin Otolaryngol** 1985 Jun;10(3):151-5

Headache of nasal spur origin: an easily diagnosed and surgically correctable cause of facial pain. Gerbe RW, et al. **Headache** 1984 Nov;24(6):329-30

Follow-up investigation of palatal closure by means of a one-layer cranially-based vomer-flap. Bütow KW, et al. **Int J Oral Surg** 1984 Oct;13(5):396-400

Personal technique for columella reconstruction. Bianchi A, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1613-5

External septorhinoplasty in children. Crysdale WS, et al. **Laryngoscope** 1985 Jan;95(1):12-6

Surgery of the incompetent nasal valve. Goode RL. **Laryngoscope** 1985 May;95(5):546-55

Technique of intranasal suturing. Sofferman RA. **Laryngoscope** 1985 Apr;95(4):475-7

Columella-labial changes in solution of rhinoplastic problems. Webster RC, et al. **Laryngoscope** 1985 Jun; 95(6):629-43

Long-term results of septoplastic operations. Dommerby H, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(3):151-7

The importance of nasal airway resistance and nasal symptoms in the selection of patients for septoplasty. Jessen M, et al. **Rhinology** 1984 Sep;22(3):157-64

[Septal support made from aluminum oxide ceramics] Godbersen GS. **Laryngol Rhinol Otol (Stuttg)** 1985 Jun; 64(6):290-1 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

The use of a vomerine flap for palatal lengthening: the modified Nagpur technique. Kumar PA. **Br J Plast Surg** 1985 Jul;38(3):343-6

ULTRASTRUCTURE

Fine structure of the epithelia of the vomeronasal organ of horse and cattle. A comparative study. Taniguchi K, et al. **Cell Tissue Res** 1985;240(1):41-8

NASAL SINUSES see PARANASAL SINUSES

NASMYTH'S MEMBRANE see ENAMEL CUTICLE

NASOLACRIMAL DUCT see under LACRIMAL APPARATUS

NASOPHARYNGEAL DISEASES

CHEMICALLY INDUCED

[Study of a group of subjects occupationally exposed to tartaric acid] Moscato G, et al. **G Ital Med Lav** 1983 Sep; 5(5):193-8 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

[Pathogenetic therapy of neurodermatitis with concomitant chronic focal infection of the nasopharynx] Shaposhnikov OK, et al. **Voen Med Zh** 1984 Oct;(10):48-50 **(Rus)**

DIAGNOSIS

Tornwaldt's bursa. Miller RH, et al. **Clin Otolaryngol** 1985 Feb;10(1):21-5

Evaluation of the larynx, hypopharynx, and nasopharynx at the time of diagnostic upper gastrointestinal endoscopy. Kozarek RA. **Gastrointest Endosc** 1985 Aug;31(4):271-3

Fiberoptic manipulation of the upper airway and the preoperative assessment for uvulopalatopharyngoplasty. Hausfeld JN. **Laryngoscope** 1985 Jun;95(6):738

[Case of epithelial cyst of the uvula situated in the nasopharynx in a newborn infant] Pruszewicz A, et al. **Otolaryngol Pol** 1984;38(6):529-31 (Eng. Abstr.) **(Pol)**

ETIOLOGY

[The Foley catheter instead of the Bellocq tampon] Ackermann A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(1):80-2 (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

Craniopharyngioma with erosion and drainage into the nasopharynx. An autobiographical case report. Maier HC. **J Neurosurg** 1985 Jan;62(1):132-4

RADIOGRAPHY

Radiology of the nasopharynx. Hasso AN. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(3):279-84

SURGERY

Nasopharyngeal stenosis. Cotton RT. **Arch Otolaryngol** 1985 Mar;111(3):146-8

VETERINARY

Surgical and medical management of rhinophycomycosis (conidiobolomycosis) in a horse. French DD, et al. **J Am Vet Med Assoc** 1985 May 15;186(10):1105-7

NASOPHARYNGEAL NEOPLASMS

Nasopharyngeal carcinoma. Brief review. Fedder M, et al. **Am J Med** 1985 Sep;79(3):365-9

An unusual presentation of metastatic carcinoma involving the periodontium. Allen CM, et al. **J Periodontol** 1985 Jul; 56(7):422-5

A retrospective study of nasopharyngeal carcinoma presenting over a 10-year period. Milton CM. **ORL J Otorhinolaryngol Relat Spec** 1985;47(4):169-73

Nasopharyngeal carcinoma. Ho JH. **West J Med** 1985 Jul; 143(1):70-3

Squamous carcinoma of the nasopharynx. Moloy PJ, et al. **West J Med** 1985 Jul;143(1):66-9

[Diagnosis and therapy of malignant tumors of the nasopharynx] Petruželka L, et al. **Sb Lek** 1984 Oct; 86(10):314-20 (Eng. Abstr.) **(Cze)**

ANALYSIS

Nasopharyngeal carcinoma: immunohistochemical study for keratin, secretory component and leukocyte common antigen. Nomori H, et al. **Jpn J Clin Oncol** 1985 Mar; 15(1):95-105

BLOOD

Epstein-Barr virus-associated antibodies and serum biochemistry in nasopharyngeal carcinoma. Lynn TC, et al. **Laryngoscope** 1984 Nov;94(11 Pt 1):1485–8

COMPLICATIONS

Pharyngeal dermoid leading to respiratory failure in a neonate. Simpson RM, et al. **Eur J Pediatr** 1985 Jan;143(3):209–10

Rhabdomyosarcoma causing rapid bilateral visual loss in children. Breen LA, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):185–8

Surgical treatment of glossopharyngeal neuralgia and pain from cancer of the nasopharynx. A 20-year experience. Giorgi C, et al. **J Neurosurg** 1984 Nov;61(5):952–5

DIAGNOSIS

Ewing's sarcoma: report of a case in the nasopharynx. Reynoso VM, et al. **Ear Nose Throat J** 1984 Sep;63(9):459–62

Strategies for the economic preparation of Epstein–Barr virus proteins of diagnostic and protective value by genetic engineering: a new approach based on segments of virus-encoded gene products. Wolf H, et al. **IARC Sci Publ** 1984;(63):525–39

The role of fibreoptic nasopharyngoscopy in nasopharyngeal carcinoma (NPC). Shanmugham MS. **J Laryngol Otol** 1985 Aug;99(8):779–82

Antibody response to Epstein–Barr-virus-specific DNase in 13 patients with nasopharyngeal carcinoma in Taiwan: a retrospective study. Chen JY, et al. **J Med Virol** 1985 Jun;16(2):99–105

Synovial sarcoma, a nasopharyngeal location. Turnicky RP, et al. **Milit Med** 1985 Mar;150(3):156–9

[Epstein–Barr virus nuclear antigen (EBNA) assay of the puncture smears from neck masses for the differential diagnosis of nasopharyngeal carcinoma] Chen QB. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):29–30 (Eng. Abstr.) **(Chi)**

[Improvement in the diagnostic technics of atypical nasopharyngeal carcinoma] Qin DX. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):315–6 **(Chi)**

[Malignant lymphomas of the pharynx in children] Sobkowiak R, et al. **Otolaryngol Pol** 1985;39(1):39–45 (Eng. Abstr.) **(Pol)**

[Clinico-radiological comparisons in juvenile fibroma] Szmeja Z, et al. **Otolaryngol Pol** 1984;38(5):369–75 (Eng. Abstr.) **(Pol)**

[Nasopharyngeal lymphoepithelioma in a 14-year-old boy] Sońta-Jakimczyk D, et al. **Wiad Lek** 1984 Sep 15;37(16):1288–91 (Eng. Abstr.) **(Pol)**

[Differential diagnosis of juvenile angiofibroma of the base of the skull] Aniutin RG. **Vestn Otorinolaringol** 1985 Mar–Apr;(2):48–51 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Chemotherapy for aggressive juvenile nasopharyngeal angiofibroma. Goepfert H, et al. **Arch Otolaryngol** 1985 May;111(5):285–9

Recurrent nasopharyngeal carcinoma––two long term disease-free remissions with non-cisplatinum based combination chemotherapy. Haines IE, et al. **Aust NZ J Surg** 1985 Apr;55(2):153–6

ENZYMOLOGY

Activity of DNase associated with replication of Epstein-Barr virus in NPC-204 cells. Liu MY, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Aug;17(3):121–30

ETIOLOGY

Cigarette smoking and nasopharyngeal carcinoma. Mabuchi K, et al. **Cancer** 1985 Jun 15;55(12):2874–6

Adenoid cystic carcinoma of the nasopharynx after previous adenoid irradiation. Sofferman RA, et al. **Laryngoscope** 1985 Apr;95(4):458–61

[The problem of occupational cancer in cancer of the nose and the nasal sinuses in patients exposed to sawdust] Gibel W, et al. **Arch Geschwulstforsch** 1985;55(4):279–84 (Eng. Abstr.) **(Ger)**

[Rhinopharyngeal carcinoma and Epstein–Barr virus: study of a sample of Italian patients] Caliceti U, et al. **Acta Otorhinolaryngol Ital** 1985 Jan–Feb;5(1):83–90 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Immunohistochemical study of nasopharyngeal carcinoma using monoclonal keratin antibodies. Shi SR, et al. **Am J Pathol** 1984 Oct;117(1):53–63

Antibodies to Epstein–Barr virus in patients with nasopharyngeal carcinoma and in comparison groups. Neel HB 3d, et al. **Ann Otol Rhinol Laryngol** 1984 Sep–Oct;93(5 Pt 1):477–82

Antibody-dependent cellular cytotoxicity. Relation to stage and disease course in North American patients with nasopharyngeal carcinoma. Neel HB 3d, et al. **Arch Otolaryngol** 1984 Nov;110(11):742–7

HLA and nasopharyngeal carcinoma in Malays. Chan SH, et al. **Br J Cancer** 1985 Mar;51(3):389–92

Nasopharyngeal mucosal changes in EB virus VCA-IgA antibody positive persons. Li EJ, et al. **Chin Med J [Engl]** 1985 Jan;98(1):25–30

Antibody to Epstein–Barr virus specific DNase in sera of nasopharyngeal carcinoma and other nine most common cancer patients in Taiwan. Hsu MM, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Aug;17(3):131–7

Long-term follow-up of IgG and IgA antibodies against viral capsid antigens of Epstein–Barr virus in nasopharyngeal carcinoma. Lynn TC, et al. **J Laryngol Otol** 1985 Jun;99(6):567–72

Immunologic reactivity in patients with nasopharyngeal carcinoma. Hsu MM, et al. **Otolaryngol Head Neck Surg** 1980 Jul–Aug;88(4):384–90

Malaria antibody levels in patients with nasopharyngeal carcinoma. Yadav M, et al. **Southeast Asian J Trop Med Public Health** 1984 Jun;15(2):234–7

[Immunologic inhibitory factor in nasopharyngeal cancer (NPC)––effect of the NPC immunologic inhibitory factor on natural killer (NK) cell function] Cai TY. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):12–4 (Eng. Abstr.) **(Chi)**

[Relation between the growth pattern and the quantity of plasma cells of nasopharyngeal cancer (NPC) and serum EBV antibody level] Li JT. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):9–11 (Eng. Abstr.) **(Chi)**

MICROBIOLOGY

Effects of temperature on Epstein–Barr virus replication in epithelial/nasopharyngeal carcinoma hybrid cells. Takimoto T, et al. **Auris Nasus Larynx** 1985;12(1):31–5

A new strain of Epstein–Barr virus derived from nasopharyngeal carcinoma hybrid cells. Takimoto T, et al. **Gann** 1984 Nov;75(11):947–9

Early primary infection and high Epstein–Barr virus antibody titers in Greenland Eskimos at high risk for nasopharyngeal carcinoma. Melbye M, et al. **Int J Cancer** 1984 Nov 15;34(5):619–23

Isolation of transforming and early antigen-inducing Epstein–Barr virus from nasopharyngeal carcinoma hybrid cells (NPC-KT). Takimoto T, et al. **JNCI** 1985 Jan;74(1):57–60

Nasopharyngeal carcinoma due to Epstein–Barr virus: serologic tests. Smith TF. **Mayo Clin Proc** 1985 Mar;60(3):205–6

Epstein–Barr virus and carcinoma [letter] Wolf H. **Nature** 1984 Dec 20–1985 Jan 2;312(5996):705

[Cytogenetic study of the QP1 and QP2 lymphoblastoid cell line carrying EB virus genes in nasopharyngeal carcinoma] Liu YF. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):6–8 (Eng. Abstr.) **(Chi)**

[Transmission of Epstein–Barr virus specific antigen associated with cell fusion activity] Furukawa M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jan;88(1):20–4 (Eng. Abstr.) **(Jpn)**

MORTALITY

Mortality from nasopharyngeal carcinoma and occupation in men in Hong Kong from 1976–81. Lam YM, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):361–5

OCCURRENCE

Seroepidemiological studies on nasopharyngeal carcinoma in China. Zeng Y. **Adv Cancer Res** 1985;44:121–38 (46 ref.)

Nasopharyngeal carcinoma in Malaysians under the age of 20 years. Yadav M, et al. **Clin Oncol** 1984 Dec;10(4):353–61

Virus-associated lymphomas, leukaemias and immunodeficiencies in Africa. de-Thé G. **IARC Sci Publ** 1984;(63):727–44

Nasopharyngeal cancer in Nigeria. Martinson FD, et al. **IARC Sci Publ** 1984;(63):501–11

A cluster of young patients with Burkitt's lymphoma and nasopharyngeal carcinoma in central Texas. Boss LP, et al. **JAMA** 1985 May 17;253(19):2843–6

[Carcinoma of the nasopharynx in Algeria. Apropos of a series of 213 cases] Boualga K, et al. **Ann Radiol (Paris)** 1984 Nov;27(7):621–8 (Eng. Abstr.) **(Fre)**

[Cancer of the nasopharynx in Morocco: epidemiological approach] el Gueddari B, et al. **IARC Sci Publ** 1984;(63):513–24 (Eng. Abstr.) **(Fre)**

[Epidemiologic approach to cancer of the nasopharynx in Morocco] el Gueddari B, et al. **Maroc Med** 1984 Dec;6(4):297–305 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Nasopharyngeal carcinoma: antikeratin immunohistochemistry and electron microscopy. Taxy JB, et al. **Am J Clin Pathol** 1985 Mar;83(3):320–5

Epstein–Barr virus activation of human epithelial-nasopharyngeal carcinoma hybrid cells. Takimoto T, et al. **Am J Otolaryngol** 1984 Jan–Feb;5(1):1–6

Adenoid cystic carcinoma of the nasopharynx. Case reports and literature review. Lee DJ, et al. **Ann Otol Rhinol Laryngol** 1985 May–Jun;94(3):269–72

Pathologic diagnosis: pleomorphic adenoma. Welsh R, et al. **Arch Otolaryngol** 1985 Aug;111(8):558–60

Multiple myeloma in a child. Bernstein SC, et al. **Cancer** 1985 Oct 15;56(8):2143–7

Mixed olfactory neuroblastoma and carcinoma. A report of two cases. Miller DC, et al. **Cancer** 1984 Nov 1;54(9):2019–28

Primary lymphoma of Waldeyer's ring. Clinicopathologic study of 68 cases. Saul SH, et al. **Cancer** 1985 Jul 1;56(1):157–66

A comparison of clinical staging systems in nasopharyngeal carcinoma. Wei WI. **Clin Oncol** 1984 Sep;10(3):225–31

Prognosis and histology in Stage I nasopharyngeal carcinoma (NPC). Saw D, et al. **Int J Radiat Oncol Biol Phys** 1985 May;11(5):893–8

Role of immunohistochemistry in diagnosis of nasopharyngeal tumours. Bosq J, et al. **J Clin Pathol** 1985 Aug;38(8):845–8

Detection of S-100 labelled cells in nasopharyngeal carcinoma. Lauriola L, et al. **J Clin Pathol** 1984 Nov;37(11):1235–8

The s.c. 'hairy polyp' or 'dermoid' of the nasopharynx. (An unusual observation in older age). Resta L, et al. **J Laryngol Otol** 1984 Oct;98(10):1043–6

Unusual sites of schwannoma in the head and neck. Samet A, et al. **J Laryngol Otol** 1985 May;99(5):523–8

Improved technique for the diagnosis of atypical nasopharyngeal cancer. Qin DX, et al. **Laryngoscope** 1985 Apr;95(4):478–80

Dissemination of squamous papilloma by surgical manipulation: a case report. Welsh RL, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1568–70

Juvenile nasopharyngeal angiofibroma: an unusual presentation in the oral cavity. Kabot TE, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):453–7

Craniopharyngioma arising in the pharyngeal hypophysis. Lewin R, et al. **South Med J** 1984 Dec;77(12):1519–23

[Cytologic typing of nasopharyngeal carcinoma and its relation to histology and the prognosis after radiotherapy] Chen ZH. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):281–3 (Eng. Abstr.) **(Chi)**

[Pathologic profile of cancers of the nasopharynx in Algiers. Apropos of 210 cases seen over 2 years] Bouhadef A, et al. **Arch Anat Cytol Pathol** 1985;33(3):165–72 (Eng. Abstr.) **(Fre)**

[Diagnostic value of cervical lymph node biopsy in suspected nasopharyngeal cancer] Mees K, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Apr;64(4):188–90 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[The paraneoplastic syndrome in nasopharynx cancer. 32 cases] Maalej M, et al. **Presse Med** 1985 Feb 23;14(8):471–4 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Psychosocial aspects of nasopharyngeal carcinoma patients. Kok LP. **Singapore Med J** 1984 Oct;25(5):320–3

RADIOGRAPHY

Carcinoma of nasopharynx: CT scans improve radiotherapy techniques (report of 25 cases). Huang YR. **Comput Radiol** 1984 Sep–Oct;8(5):263–9

Conversion of T-stages of nasopharyngeal carcinoma by computed tomography. Yamashita S, et al. **Int J Radiat Oncol Biol Phys** 1985 May;11(5):1017–21

High resolution computed tomography in neonatal nasopharyngeal teratoma. Howell CG, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1179–81

An unusual computed tomography appearance of nasopharyngeal carcinoma: a case report. Dale M, et al. **J Comput Tomogr** 1985 Jul;9(3):209–11

Nasopharyngeal carcinoma: clinical and radiographic findings in children. Bass IS, et al. **Radiology** 1985 Sep;156(3):651–4

[Carotid arteriography in the diagnosis of nasopharyngeal cancer (an analysis of 21 cases)] Luo HC. **Chung Hua Fang She Hsueh Tsa Chih** 1984 May;18(2):118–20 (Eng. Abstr.) **(Chi)**

[Hamartoma of the retropharyngeal space] Claes JA, et al. **Acta Otorhinolaryngol Belg** 1984;38(5):451–7 (Eng. Abstr.) **(Dut)**

[Differentiation of osteolytic processes of the facial skull using polycyclic tomography] Assmann H, et al. **Radiol Diagn (Berl)** 1984;25(3):275–82 (Eng. Abstr.) **(Ger)**

[Computed tomographic diagnosis and differential diagnosis of juvenile angiofibroma and angiomatous polyps] Irnberger T. **ROFO** 1985 Apr;142(4):391–4 (Eng. Abstr.) **(Ger)**

[Results of tomography with polycyclic obliteration in the diagnosis of nasopharyngeal tumors] Assmann H, et al. **Z Arztl Fortbild (Jena)** 1984;78(21):897–900 **(Ger)**

RADIONUCLIDE IMAGING

Low-dose gallium-67 citrate scan in nasopharyngeal carcinoma. Wu CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Oct;83(10):1023–7

RADIOTHERAPY

Squamous cell carcinoma of the nasopharynx. An analysis of failure patterns after radiation therapy. Yamashita S, et al. **Acta Radiol [Oncol]** 1985 Jul–Aug;24(4):315–20

Improved survival in carcinoma of the nasopharynx. Vikram

EWARK PUBLIC LIBR

B, et al. **Head Neck Surg** 1984 Dec;7(2):123–8

Irradiation of nasopharyngeal carcinoma: correlations with treatment factors and stage. Chu AM, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2241–9

Eye sparing in high energy X ray beams. Galbraith DM, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):591–5

Patterns of failure in carcinoma of the nasopharynx: I. Failure at the primary site. Vikram B, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug;11(8):1455–9

Conservative treatment of delayed cerebral radiation necrosis. Shaw PJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1338–41

Cancer of nasopharynx in young patients. Morales P, et al. **J Surg Oncol** 1984 Nov;27(3):181–5

Primary radiation therapy for juvenile nasopharyngeal angiofibroma. Cummings BJ, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1599–605

Red marrow dose measurement in phantom for tele-irradiation of the nasopharynx by cobalt-60 unit. Weng PS, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Jan;8(1):36–40

Advanced carcinoma of the nasopharynx. 2. Pattern of failure in 256 patients. Petrovich Z, et al. **Radiother Oncol** 1985 Aug;4(1):15–20

[Application of CT in radiotherapy of carcinoma of nasopharynx. Preliminary experience of 25 cases] Huang YR. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):284–6 (Eng. Abstr.) **(Chi)**

[Presentation of treatment results according to 'Reporting Results of Cancer Treatment' recommended by the World Health Organization (WHO), 1981—long term survival of 1,035 cases of nasopharyngeal carcinoma] Wang DC. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):58–61 (Eng. Abstr.) **(Chi)**

[60Co teletherapy plus afterloading intracavitary radiation in nasopharyngeal carcinoma—report on 22 patients] Zhang YW. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):52–4 (Eng. Abstr.) **(Chi)**

[Irradiation therapy of non-Hodgkin's malignant lymphoma of the nasopharynx. An analysis of 91 cases] Zhang ZX. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):287–9 (Eng. Abstr.) **(Chi)**

[TPS isodose curve in the treatment of nasopharyngeal carcinoma] Yan JH. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Aug;18(3):209–13 (Eng. Abstr.) **(Chi)**

[Panhypopituitarism after radiotherapy. Ovulation induction using a gonadoliberin pump (letter)] Barbe P, et al. **Presse Med** 1985 Feb 9;14(5):284–5 **(Fre)**

[Transnasal permanent interstitial implantation for recurrent carcinoma of the nasopharynx] Niwa K, et al. **Rinsho Hoshasen** 1985 Mar;30(3):435–7 (Eng. Abstr.) **(Jpn)**

[Results of radio- and chemoradiotherapy of malignant nasopharyngeal neoplasms] Morozov AI, et al. **Med Radiol (Mosk)** 1985 Feb;30(2):31–5 (Eng. Abstr.) **(Rus)**

SURGERY

Extra-nasopharyngeal extension of juvenile angiofibroma. Hazarika P, et al. **J Laryngol Otol** 1985 Aug;99(8):813–7

Resection of upper aerodigestive tract tumors involving the middle cranial fossa. Close LG, et al. **Laryngoscope** 1985 Aug;95(8):908–14

[Infratemporal approach in nasopharyngeal cancer: operative technics and initial results] Wolfensberger M, et al. **HNO** 1985 Jul;33(7):307–10 (Eng. Abstr.) **(Ger)**

[The importance of preoperative arteriography and ligation of the external carotid artery in tumors of the nasopharynx and in epistaxis] Barta T, et al. **Cesk Otolaryngol** 1984 Jun;33(3):156–8 (Eng. Abstr.) **(Slo)**

[Neurosurgical collaboration in the treatment of various juvenile hemorrhagic fibroangiomas] Poch Viñals R, et al. **An Otorrinolaringol Ibero Am** 1985;12(1):31–50 (Eng. Abstr.) **(Spa)**

THERAPY

Olfactory neuroblastoma. Chemotherapy and radiotherapy for extensive disease. Weiden PL, et al. **Arch Otolaryngol** 1984 Nov;110(11):759–60

Two cases of nasopharyngeal angiofibroma—effect of preoperative transarterial embolization. Ikawa T, et al. **Auris Nasus Larynx** 1984;11(3):149–56

Cooperative trial of immunotherapy for nasopharyngeal carcinoma with transfer factor from donors with Epstein-Barr virus antibody activity. Goldenberg GJ, et al. **Cancer Treat Rep** 1985 Jul–Aug;69(7–8):761–7

Treatment of nasopharyngeal carcinoma with human leukocyte interferon. Connors JM, et al. **J Clin Oncol** 1985 Jun;3(6):813–7

Nasopharyngeal carcinoma: an evaluation of 134 patients treated between 1971-1980. Dickson RI, et al. **Laryngoscope** 1985 Mar;95(3):276–83

Graft-versus-host disease in rhabdomyosarcoma following transfusion with nonirradiated blood products. Labotka RJ, et al. **Med Pediatr Oncol** 1985;13(2):101–4

[Long-term curative effect of 150 cases of nasopharyngeal cancer treated with fu zheng sheng jin decoction and radiotherapy] Pan MJ, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Feb;5(2):83–5, 66 (Eng. Abstr.) **(Chi)**

[Tumors of the nose, nasopharynx and paranasal sinuses in children] Vyhnánková L, et al. **Cesk Otolaryngol** 1984 Sep;33(5):288–93 (Eng. Abstr.) **(Cze)**

[Radiotherapy of carcinoma of the nasopharynx in children after previous chemotherapy. Preliminary results on 21 cases treated at the Institut Gustave-Roussy between 1978 and 1981] Sarrazin D, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(3):175–8 (Eng. Abstr.) **(Fre)**

[Nasopharyngeal carcinoma in pediatrics] Diez B, et al. **Bol Med Hosp Infant Mex** 1984 Jun;41(6):329–34 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Immunofluorescence and electron microscopic investigations of epithelial hybrid cells derived from nasopharyngeal carcinoma (NPC-KT). Takimoto T, et al. **Auris Nasus Larynx** 1985;12(1):37–45

Morphology of nasopharyngeal angiofibroma. An electron microscope study. Hill DL. **J Submicrosc Cytol** 1985 Jul;17(3):443–8

VETERINARY

Selected oral, pharyngeal, and upper respiratory conditions in the cat. Oral tumors, nasopharyngeal and middle ear polyps, and chronic rhinitis and sinusitis. Bradley RL. **Vet Clin North Am [Small Anim Pract]** 1984 Nov;14(6):1173–84 (47 ref.)

Spontaneous nasopharyngeal malignancies in the common marmoset. McIntosh GH, et al. **Vet Pathol** 1985 Jan;22(1):86–8

NASOPHARYNGITIS see under **PHARYNGITIS**

NASOPHARYNX

The limited usefulness of nasopharyngeal EEG recording in psychiatric patients. Ramani V, et al. **Am J Psychiatry** 1985 Sep;142(9):1099–100

Use of a nasopharyngeal airway as an aid to easy recovery after nasal surgery. Babington P, et al. **J Laryngol Otol** 1985 Apr;99(4):399

[Endoscopy and photodocumentation of the nasopharynx and larynx in children] Hložek Z, et al. **Cesk Otolaryngol** 1985 Jan;34(1):55–8 (Eng. Abstr.) **(Cze)**

[An uncommon localization of upper respiratory-digestive tract tuberculosis: the cavum] Buffe P, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):601–2 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Computed tomographic demonstration of choanal atresia. Tadmor R, et al. **AJNR** 1984 Nov–Dec;5(6):743–5

Difficult nasotracheal intubation: a previously unreported anatomical cause. Gallagher JV 3d, et al. **Ann Emerg Med** 1985 Mar;14(3):258–60

Congenital bilateral choanal atresia in a Standardbred foal. Aylor MK, et al. **Equine Vet J** 1984 Jul;16(4):396–8

Congenital anomalies in patients with choanal atresia: CHARGE-association. Koletzko B, et al. **Eur J Pediatr** 1984 Sep;142(4):271–5

Choanal atresia: a report of 3 cases. Bhatia R, et al. **Indian J Pediatr** 1984 Jul–Aug;51(411):493–5

Choanal atresia. Clinical considerations for management. Strome M, et al. **J Laryngol Otol** 1984 Dec;98(12):1207–12

Posterior choanal atresia: a syndromal disorder. Bergstrom L, et al. **Laryngoscope** 1984 Oct;94(10):1273–6

Surgery for correction of bilateral choanal atresia. Samuel J, et al. **Laryngoscope** 1985 Mar;95(3):326–9

Choanal atresia: precise CT evaluation. Slovis TL, et al. **Radiology** 1985 May;155(2):345–8

[Surgical treatment of congenital choanal atresia in adults] Nemcová H, et al. **Cesk Otolaryngol** 1984 Jun;33(3):159–62 (Eng. Abstr.) **(Slo)**

ANATOMY & HISTOLOGY

Anatomical observations in the pharynx of the mouse with special reference to the nasopharyngeal hiatus (Wood Jones). Nakano T, et al. **Acta Anat (Basel)** 1985;121(3):147–52

Tympanoplasty in children and anatomical variations of the epipharynx. Hildmann H, et al. **Am J Otol** 1985 May;6(3):225–8

The nasopharynx, face height, and overbite. Kerr WJ. **Angle Orthod** 1985 Jan;55(1):31–6

DRUG EFFECTS

A longitudinal study of the nasopharyngeal carriage of pneumococci as related to pneumococcal vaccination in children attending day-care centres. Rosén C, et al. **Acta Otolaryngol (Stockh)** 1984 Nov–Dec;98(5–6):524–32

IMMUNOLOGY

[Demonstration of Epstein-Barr virus (EBV)-related antigens and tumorigenicity in nude mice in a hybrid cell line derived from the fusion of an EBV-positive lymphoblastoid cell and an EBV-negative epithelial cell from the human nasopharynx] Ishiguro H. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):693–707 (Eng. Abstr.) **(Jpn)**

[Detection of influenza virus A antigens by radioimmunological methods in patients' nasopharyngeal washings] Demidova SA, et al. **Vopr Virusol** 1984 Jul–Aug;29(4):427–31 (Eng. Abstr.) **(Rus)**

METABOLISM

[Alpha 1-antitrypsin in nasopharyngeal secretions in acute respiratory diseases] Kapellerová A, et al. **Cesk Pediatr** 1984 Sep;39(9):501–2 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Nasopharyngeal carriage of bacteria in otitis-prone and non-otitis-prone children in day-care centres. Prellner K, et al. **Acta Otolaryngol (Stockh)** 1984 Sep–Oct;98(3–4):343–50

Study of bacteria in the nasal cavity and nasopharynx during naturally acquired common colds. Winther B, et al. **Acta Otolaryngol (Stockh)** 1984 Sep–Oct;98(3–4):315–20

Multiple group B streptococcal infections in a premature infant: eradication of nasal colonization with rifampin [letter] Millard DD, et al. **Am J Dis Child** 1985 Oct;139(10):964–5

Enhanced nasopharyngeal colonization of rats by piliated Haemophilus influenzae type b. Anderson PW, et al. **Infect Immun** 1985 May;48(2):565–8

A prospective study of mycoplasma infection in the preterm infant. Rudd PT, et al. **Isr J Med Sci** 1984 Oct;20(10):899–901

Biotypes of serologically nontypable Haemophilus influenzae isolated from the middle ears and nasopharynges of patients with otitis media with effusion. DeMaria TF, et al. **J Clin Microbiol** 1984 Dec;20(6):1102–4

Risk of group A meningococcal disease: bacterial interference and cross-reactive bacteria among mucosal flora. Filice GA, et al. **J Clin Microbiol** 1985 Aug;22(2):152–6

Detection of adenovirus in nasopharyngeal specimens by radioactive and nonradioactive DNA probes. Hyypiä T. **J Clin Microbiol** 1985 May;21(5):730–3

Monoclonal antibodies against respiratory syncytial virus and their use for rapid detection of virus in nasopharyngeal secretions. Pothier P, et al. **J Clin Microbiol** 1985 Feb;21(2):286–7

Mycoplasma cavipharyngis, a new species isolated from the nasopharynx of guinea-pigs. Hill AC. **J Gen Microbiol** 1984 Dec;130 (Pt 12):3183–8

Branhamella catarrhalis prevalence in a hospital population. Ahmad F, et al. **J Hosp Infect** 1985 Mar;6(1):71–4

Carriage of Neisseria meningitidis and Neisseria lactamica in a school population during an epidemic period in Spain. Saez-Nieto JA, et al. **J Hyg (Lond)** 1985 Jun;94(3):279–88

Relationships between counts of nasopharyngeal bacteria, temperature, humidity and lung lesions in veal calves. Jones CD, et al. **Res Vet Sci** 1984 Sep;37(2):132–7

Secretory otitis media: microbiology of the middle ear and the nasopharynx. Kamme C, et al. **Scand J Infect Dis** 1984;16(3):291–6

[Stomatococcus mucilaginosus: cultural and biochemical properties of 100 strains isolated from the ORL area] Baldellon C, et al. **Ann Inst Pasteur Microbiol** 1985 Mar–Apr;136A(2):213–26 (Eng. Abstr.) **(Fre)**

[Rhino- and oropharyngeal carriage of Haemophilus sp. in children] Pinon G, et al. **Pathol Biol (Paris)** 1984 Dec;32(10):1024–8 (Eng. Abstr.) **(Fre)**

[Correlation between the otic and rhinopharyngeal microbial flora in chronic suppurative otitis media in adults] Cotulbea S, et al. **Rev Chir [Otorinolaringol]** 1984 Jul–Sep;29(3):199–204 (Eng. Abstr.) **(Rum)**

PATHOLOGY

Adenoid cystic carcinoma of the nasopharynx. Case reports and literature review. Lee DJ, et al. **Ann Otol Rhinol Laryngol** 1985 May–Jun;94(3):269–72

Nasopharyngeal mucosal changes in EB virus VCA-IgA antibody positive persons. Li EJ, et al. **Chin Med J [Engl]** 1985 Jan;98(1):25–30

[Improvement in the diagnostic technics of atypical nasopharyngeal carcinoma] Qin DX. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):315–6 **(Chi)**

PHYSIOLOGY

Investigation of a circannual rhythm in nasopharyngeal airway patency in children. Kuftinec MM, et al. **Chronobiologia** 1984 Oct–Dec;11(4):383–9

PHYSIOPATHOLOGY

[Orofacial dyskinesias and changes in the nasal, naso- and oropharyngeal airways] Jonas I, et al. **Fortschr Kieferorthop** 1985 Apr;46(2):113–26 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Case of the month No. 74.Adenoidal/nasopharyngeal [A/N] ratio. Kush D, et al. **Ariz Med** 1984 Oct;41(10):674, 677

The evaluation of radiographs of the nasopharynx. Cohen D, et al. **Clin Otolaryngol** 1985 Apr;10(2):73–8

Comparative nasopharyngeal analysis. Moaddab MB, et al. **Ear Nose Throat J** 1984 Sep;63(9):447–52

Radiology of the nasopharynx. Hasso AN. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(3):279–84

SECRETION

A simple method for collecting nasopharyngeal secretions, using cross-linked dextran. Prellner K, et al. **Clin Otolaryngol** 1985 Apr;10(2):85-7

NATAL TEETH see under TOOTH, DECIDUOUS

NATAMYCIN see PIMARICIN

NATIONAL ACADEMY OF SCIENCES (U.S.) see under ORGANIZATIONS

NATIONAL CENTER FOR HEALTH CARE TECHNOLOGY see under UNITED STATES PUBLIC HEALTH SERVICE

NATIONAL CENTER FOR HEALTH STATISTICS (U.S.) see under UNITED STATES PUBLIC HEALTH SERVICE

NATIONAL HEALTH INSURANCE, NON-U.S. see NATIONAL HEALTH PROGRAMS

NATIONAL HEALTH INSURANCE, UNITED STATES

The impact of national health insurance on the public hospital. Henderson G. **Health Care Manage Rev** 1984 Fall; 9(4):55-65 (72 ref.)

National health insurance: a new imperative. Broyles RW, et al. **J Med Syst** 1984 Aug;8(4):331-50

HISTORY

I.S. Falk, the Committee on the Costs of Medical Care, and the Drive for National Health Insurance. Roemer MI. **Am J Public Health** 1985 Aug;75(8):841-8

LEGISLATION & JURISPRUDENCE

Federal workers' disability program and the private physician. Bonnick SL. **Tex Med** 1984 Dec;80(12):44

NATIONAL HEALTH POLICY see HEALTH POLICY

NATIONAL HEALTH PROGRAMS

Hong Kong: highrise hospitals and powdered rhino horn. Gray C. **Can Med Assoc J** 1985 Apr 1;132(7):834-6, 838-9

Australia: NSW doctors reach a settlement. Lord R. **Can Med Assoc J** 1984 Sep 15;131(6):622-3

Poor need rights, not righteousness [letter] Rachlis MM. **Can Med Assoc J** 1985 Jul 1;133(1):14

Medicare in Canada: a biased view [editorial] Macklem PT. **Clin Invest Med** 1984;7(3):133-4

Italy: abortion and nationalized health care. Mori M. **Hastings Cent Rep** 1984 Dec;14(6):22-3

Increasing the odds for cancer survival. White JK. **Health Aff (Millwood)** 1984 Fall;3(3):121-6

Payment for psychiatric services under Canada's insurance system. el-Guebaly N, et al. **Hosp Community Psychiatry** 1985 Jun;36(6):628-32

Preventive health programs found to be cost-effective [news] Firshein J. **Hospitals** 1985 Sep 16;59(18):37-8

In Belize (Central America). Establishment of a health education and community participation bureau. Rankine M. **Hygie** 1985 Mar;4(1):13-5

Indian National Code for Protection and Promotion of Breast-feeding. **Indian Pediatr** 1984 Mar;21(3):259-64

Pediatricians and the Indian National Code for Protection and Promotion of Breast-feeding [editorial] Udani PM. **Indian Pediatr** 1984 Mar;21(3):187-90

A perspective on controlling vaccine-preventable diseases among children in Liberia. Weeks RM. **Infect Control** 1984 Nov;5(11):538-41

National Nutrition Monitoring System: implications for public health policy at FDA. Forbes AL, et al. **J Am Diet Assoc** 1984 Oct;84(10):1189-93

Five-year findings of the Hypertension Detection and Follow-up Program: mortality by race-sex and blood pressure level. A further analysis. Hypertension Detection and Follow-up Program Cooperative Group. **J Community Health** 1984 Summer;9(4):314-27

Compulsory health and safety in a free society. Boughton BJ. **J Med Ethics** 1984 Dec;10(4):186-90

Applying an evaluation model to a dental public health program. Scheetz JP, et al. **J Public Health Dent** 1985 Summer;45(3):187-92

The opposition to fluoride programs: report of a survey. Watson ML. **J Public Health Dent** 1985 Summer; 45(3):142-8

An educational view of a national initiative to lower plasma lipid levels. Harlan WR, et al. **JAMA** 1985 Apr 12; 253(14):2087-90

Safety of termination of pregnancy: NHS versus private [letter] **Lancet** 1984 Nov 3;2(8410):1040-1

Doctors versus Medicare [letter] Andrew RR. **Med J Aust** 1985 Apr 29;142(9):529

Medicare, the federal government, and private hospitals. Blewett N. **Med J Aust** 1984 Sep 15;141(6):361-6

The federal opposition, Medicare, and private hospitals. Carlton JJ. **Med J Aust** 1984 Sep 15;141(6):370-2

Medicare: 'the FJ Holden metamorphosis'. Duggan JM. **Med J Aust** 1985 Mar 18;142(6):360-2

Medicare, the funds, and private hospitals. Schneider R. **Med J Aust** 1984 Sep 15;141(6):367-9

The doctors, Medicare, and private hospitals. Thompson HL. **Med J Aust** 1984 Sep 15;141(6):373-7

The feasibility of universal long-term-care benefits. Ideas from Canada. Kane RA, et al. **N Engl J Med** 1985 May 23;312(21):1357-64

National immunization policymaking. A controversial endeavor. Amren DP, et al. **Postgrad Med** 1985 Feb 1; 77(2):93-6, 99-100

The influence of national health schemes on patients' unconscious expectations. Montgrain N. **Psychiatr J Univ Ottawa** 1984 Dec;9(4):170-4

Cancer Prevention Awareness Program: targeting black Americans [editorial] DeVita VT Jr. **Public Health Rep** 1985 May-Jun;100(3):253-4

Toxic agent and radiation control: meeting the 1990 objectives for the nation. Rall DP. **Public Health Rep** 1984 Nov-Dec;99(6):532-8

Privatization of the health services. Brundltand GH. **Scand J Soc Med** 1984;12(4):137-9

Supplemental Food Program: effects on health and pregnancy outcome. Collins TR, et al. **South Med J** 1985 May;78(5):551-5

[The health system in industrial countries: long-term perspectives] Bui Dang Ha Doan. **Cah Sociol Demogr Med** 1985 Jan-Mar;25(1):55-103 **(Fre)**

[Ergometric validation of a questionnaire on the physical activity in 2 Swiss towns] Gutzwiller F, et al. **Rev Epidemiol Sante Publique** 1985;33(2):103-7 (Eng. Abstr.) **(Fre)**

[The evolution of plasma cholesterol in 2 towns with intervention programs and 2 control towns in Switzerland] Gutzwiller F, et al. **Rev Epidemiol Sante Publique** 1985; 33(2):97-102 (Eng. Abstr.) **(Fre)**

[The influence of family environment on the evolution of tobacco consumption in 2 trial towns and 2 control towns in Switzerland] Nater B, et al. **Rev Epidemiol Sante Publique** 1985;33(2):90-6 (Eng. Abstr.) **(Fre)**

[Evolution of tobacco consumption in 2 towns with intervention programs and 2 control towns in Switzerland] Nater B, et al. **Rev Epidemiol Sante Publique** 1985; 33(2):80-9 (Eng. Abstr.) **(Fre)**

[The NSABP. National Surgical Adjuvant Project for Breast and Bowel Cancers. (Definition, role, methodology, therapeutic trials, results, philosophy)] Legault S, et al. **Union Med Can** 1985 Jun;114(6):468-73, 500 (Eng. Abstr.) **(Fre)**

[The principle of universality] Robillard R. **Union Med Can** 1985 Jan;114(1):6-7 **(Fre)**

[Retrospective evaluation of the reliability and practical effectiveness of a service for growth analysis in the future. Considerations on the results of two years' activity of the Theoretical Growth Evaluation system] Segù A. **Minerva Endocrinol** 1984 Oct-Dec;9(4):409-19 (Eng. Abstr.) **(Ita)**

[Failure of controlling tuberculosis in adolescents in the Szczecin district. II. Immunological studies] Spychalski L. **Pneumonol Pol** 1984 Sep;52(9):427-33 (Eng. Abstr.) **(Pol)**

[Failure in controlling tuberculosis in adolescents in the Szczecin district. I. Epidemiological studies] Spychalski L. **Pneumonol Pol** 1984 Sep;52(9):419-25 (Eng. Abstr.) **(Pol)**

[Laboratory requirements for dispensary service to the entire population] Men'shikov VV. **Lab Delo** 1985;(2):67-71 (Eng. Abstr.) **(Rus)**

[Education of the population with regard to sexual health] Iakobashvili RD. **Sov Zdravookhr** 1984;(8):24-6 (Eng. Abstr.) **(Rus)**

[Health objectives for the United States in 1990 and its application in Puerto Rico. II. Immunizations] Rigau Pérez JG. **Bol Asoc Med PR** 1984 Oct;76(10):424-8 (Eng. Abstr.) **(Spa)**

[The Social Medical Service and health programs] Uribe-Elías R, et al. **Gac Med Mex** 1984 Jun;120(6):229-50 **(Spa)**

[Medical schools and health care programs in Chile] Vial S. **Rev Med Chil** 1983 Jul;111(7):739-42 (Eng. Abstr.) **(Spa)**

[The right to health protection and the responsibility of the State] Ruiz Massieu JF. **Salud Publica Mex** 1985 Jan-Feb; 27(1):3-9 (Eng. Abstr.) **(Spa)**

[Diagnosis related groups--a prescription for higher health care cost?] Håkansson S. **Lakartidningen** 1984 Oct 17; 81(42):3783-4, 3789-90 **(Swe)**

ECONOMICS

The arms race and children in fiscal year 1985. Strauss A. **Pediatrics** 1985 Jun;75(6):1149-50

[The Americas: the creation of a floating fund for an enlarged vaccination program] **WHO Chron** 1983;37(3):93-7 **(Fre)**

[Cost-benefit analysis of a national immunization program against measles in Mexico] Vargas Flores LA, et al. **Salud Publica Mex** 1984 Jul-Aug;26(4):373-80 (Eng. Abstr.) **(Spa)**

HISTORY

National Nutrition Monitoring System: a historical perspective. Ostenso GL. **J Am Diet Assoc** 1984 Oct; 84(10):1181-5

LEGISLATION & JURISPRUDENCE

National Nutrition Monitoring System: a congressional perspective. Brown GE Jr. **J Am Diet Assoc** 1984 Oct; 84(10):1185-9

National Nutrition Monitoring System. Callaway CW. **J Am Diet Assoc** 1984 Oct;84(10):1179-80

ORGANIZATION & ADMINISTRATION

Smoking and health in Finland--lessons from a comprehensive programme based on legislative measures. Rimpela M. **Ceylon Med J** 1984 Jun;29(2):85-91

Family-focused services for children with rare disorders, exemplified by bladder exstrophy. A Norwegian national health program. Vandvik IH, et al. **Clin Pediatr (Phila)** 1985 Feb;24(2):97-100

Workers' health on the new 'long march': occupational health in the People's Republic of China. Christiani DC. **Int J Health Serv** 1984;14(4):605-18 (34 ref.)

National Family Welfare Programme in India. Dawn CS. **J Indian Med Assoc** 1984 May;82(5):177-80

Disaster plan launches training, site selection [news] Glasbrenner K. **JAMA** 1985 Jan 18;253(3):332-3

Health promotion for older Americans. Heckler MM. **Public Health Rep** 1985 Mar-Apr;100(2):225-30

Guideline for a programme for prevention of blindness in developing countries. Cerulli L, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1983;:85-117 **(Eng, Fre)**

Assessment of Venezuelan health services from a social development perspective. Gómez H, et al. **Soc Sci Med** 1985;21(1):23-30

Fifteen years of community organization for health in Panama: an assessment of current progress and problems. La Forgia GM. **Soc Sci Med** 1985;21(1):55-65

The analysis and assessment of health programs. Prescott N, et al. **Soc Sci Med** 1985;20(12):1235-40

Ideological dimensions of community participation in Latin American health programs. Ugalde A. **Soc Sci Med** 1985; 21(1):41-53

Strengthening government health and family planning programs: findings from an action research project in rural Bangladesh. Simmons R, et al. **Stud Fam Plann** 1984 Sep-Oct;15(5):212-21

Alcohol policies in national health and development planning. Including a summary of the technical discussions held during the thirty-fifth World Health Assembly, 1982. **WHO Offset Publ** 1985;(89):1-102

[Trachoma in Vietnam] Polak C. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1983;:9-15 (Eng. Abstr.) **(Fre)**

[Reassessment of the 'full-time' physician for better health care to the citizenry (letter)] Mungo F. **Minerva Anestesiol** 1985 Jan-Feb;51(1-2):65-6 **(Ita)**

[Models and health objectives of the occupational health service in Poland--theory and practice] Indulski J. **Med Pr** 1985;36(1):9-20 **(Pol)**

[Pediatrics yesterday, today and tomorrow--developmental medicine] Bożkowa K. **Pediatr Pol** 1984 Nov; 59(11):799-904 (Eng. Abstr.) **(Pol)**

[Role of health education and preventive studies in the control of lung cancer] Jokiel M, et al. **Pol Tyg Lek** 1985 Feb 4;40(5):143-5 (Eng. Abstr.) **(Pol)**

[Role of health education in the control of syphilis and gonorrhea in Poland 1970-1984] Stapiński A. **Przegl Dermatol** 1984 Sep-Oct;71(5):487-93 (Eng. Abstr.) **(Pol)**

[Cross infection control program in the United States (hospital bed capacity 300-500)] Roach A. **Przegl Epidemiol** 1984;38(4):441-4 (Eng. Abstr.) **(Pol)**

[Community health nursing program with particular reference to cardiovascular diseases] Gierczak I, et al. **Wiad Lek** 1984 Dec 1;37(23):1905-10 (Eng. Abstr.) **(Pol)**

[Hygienic basis for developing complex territorial plans for nature protection] Korenevskaia EI, et al. **Gig Sanit** 1984 Dec;(12):4-6 **(Rus)**

[Prevalence of smoking among various population groups and the problems of health education] Popova EB, et al. **Gig Sanit** 1985 Mar;(3):53-7 **(Rus)**

[Current achievements and problems of occupational hygiene and occupational pathology] Izmerov NF. **Gig Tr Prof Zabol** 1984 Aug;(8):1-5 **(Rus)**

[Objectives of the All-Union and Republics' scientific medical societies in the propagation of the achievements of medical science and their introduction to public health practice] Nasonova VA. **Klin Med (Mosk)** 1985 Jun; 63(6):8-12 **(Rus)**

[Objectives of public health authorities and institutions with regard to schoolchildren's health] Grebesheva II. **Pediatriia** 1984 Sep;(9):3-6 **(Rus)**

[American specialists in the program of developing maternal and child health care in the United States] Lisitsyn IuP, et al. **Pediatriia** 1984 Aug;(8):65-7 **(Rus)**

[Improving the quality of maternal and child health services] Grebesheva II. **Sov Zdravookhr** 1985;(3):15-8 **(Rus)**

[Current objectives of health resort treatment] Poltoranov

VV. **Sov Zdravookhr** 1984;(8):3-8 (Rus)

[Present state and improvement of the methods of preventing ORL diseases in industrial workers] Ostapkovich VE. **Vestn Otorinolaringol** 1985 Mar-Apr;(2):3-8 (Eng. Abstr.) (Rus)

[Medical services in the Armed Forces in 1984 and objectives for 1985] Komarov FI. **Voen Med Zh** 1985 Jan;(1):3-8 (Rus)

[Recommendations of the 4th All-Union Congress of Physiotherapists and Health Resort Specialists] **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):1-5 (Rus)

[Effective effort of medical workers of the Ukraine in the final year of the Five-Year Plan] Gamachek VA. **Vrach Delo** 1985 Feb;(2):1-5 (Rus)

STANDARDS

Immunisation practice and policy. Miller DL. **J Epidemiol Community Health** 1984 Dec;38(4):265-9

TRENDS

Using end-stage renal disease facility surveys to monitor end-stage renal disease program trends. The Data Committee of the National Forum of End-Stage Renal Disease Networks. **JAMA** 1985 Oct 4;254(13):1776-80

Hospital system management in France and Canada: national pluralism and provincial centralism. de Pouvourville G, et al. **Soc Sci Med** 1985;20(2):153-66

NATIONAL HEALTH SERVICE, BRITISH see **STATE MEDICINE**

NATIONAL HEALTH SERVICE CORPS see **MEDICALLY UNDERSERVED AREA**

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH see under **CENTERS FOR DISEASE CONTROL (U.S.)**

NATIONAL INSTITUTE OF MENTAL HEALTH (U.S.) see under **UNITED STATES ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION**

NATIONAL INSTITUTES OF HEALTH (U.S.)

Remarks at the 20th anniversary celebration of the General Clinical Research Center. Pickett BH. **Ala J Med Sci** 1984 Apr;21(2 Suppl 2):5-8

Summary report: National Institutes of Health conference on monoclonal antibodies in renal research. Couser WG, et al. **Am J Kidney Dis** 1985 Jul;6(1):7-17

The Consensus Development Program of the National Institutes of Health [editorial] Jacoby I. **Am J Psychiatry** 1985 Apr;142(4):477-8

Current NIH perspectives on misconduct in science. Miers ML. **Am Psychol** 1985 Jul;40(7):831-5

Science and government. A federal agency perspective. Wyngaarden JB. **Am Psychol** 1984 Sep;39(9):1053-5

The National Cancer Institute Cooperative Early Lung Cancer Detection Program. Results of the initial screen (prevalence). Early lung cancer detection: Introduction. Berlin NI, et al. **Am Rev Respir Dis** 1984 Oct;130(4):545-9

NIH problems are our problems [editorial] Cherniack RM. **Am Rev Respir Dis** 1985 May;131(5):671

The support of clinical research and training by the National Institutes of Health. Introduction to the symposium. Wyngaarden JB. **Arch Intern Med** 1985 Jul;145(7):1241-4

Canadian Academy of Periodontology endorses importance of NIH study on Keyes method. **Can Dent Assoc J** 1985 Apr;51(4):285-8

NCI offering computer database on cancer research. Korcok M. **Can Med Assoc J** 1985 Aug 1;133(3):225-7

Anticancer drug development—a challenge for industry and government. Carter SK, et al. **Cancer Treat Rev** 1984 Jun;11(2):87-101

Policy directions for the National Heart, Lung, and Blood Institute: implications for academia and industry. Lenfant C. **Circulation** 1985 Aug;72(2 Pt 2):I44-7

National Heart, Lung, and Blood Institute: new frontiers in heart, lung, and blood disease. Research through a unique and growing partnership. Lenfant C, et al. **Circulation** 1984 Nov;70(5 Pt 2):III1-4

Advances in cardiology and escalating costs to the patient: a view from the government. Lenfant C, et al. **Circulation** 1985 Mar;71(3):424-8

The priority of patient-oriented research for NIH. Wyngaarden JB. **Clin Res** 1985 Apr;33(2 Pt 1):95-9

Consensus development summaries. Lowering blood cholesterol to prevent heart disease. National Institutes of Health. **Conn Med** 1985 Jun;49(6):357-64

Consensus development summaries. Limb-sparing treatment of adult soft-tissue sarcomas and osteosarcomas. National Institutes of Health. **Conn Med** 1985 Aug;49(8):517-21

Osteoporosis. National Institutes of Health. **Conn Med** 1984 Oct;48(10):651-5

National Institutes of Health Consensus Development Program. Bernstein MJ. **Conn Med** 1984 Aug;48(8):513-5

Monitoring at the National Institute of Neurological and Communicative Disorders and Stroke. Sato S, et al. **Electroencephalogr Clin Neurophysiol [Suppl]** 1985;37:415-22

Comptroller General calls NIH multiyear funding scheme 'unlawful' [news] **Fed Proc** 1985 Apr;44(7):25a-30a

President Reagan signs bill requiring 'no fewer than' 6,200 new NIH grants in FY 85 [news] **Fed Proc** 1985 Sep;44(12):13a-16a

National Institutes of Health phase I, Small Business Innovation Research applications: fiscal year 1983 results. Vener KJ. **Fed Proc** 1985 Aug;44(11):2679-84

The National Institutes of Health grant mechanisms for gastrointestinal endoscopic research. Murphy DG, et al. **Gastrointest Endosc** 1985 Feb;31(1):42-6

The national high blood pressure education program: a description of its utility as a generic program model. Roccella EJ, et al. **Health Educ Q** 1984 Fall;11(3):225-42

Consensus development conference statement on anesthesia and sedation in the dental office. National Institutes of Health. **J Am Dent Assoc** 1985 Jul;111(1):90-3

View from the Nation's Capital. Romansky MA. **J Clin Psychopharmacol** 1984 Oct;4(5):288-9

View from the Nation's Capital. Romansky MA. **J Clin Psychopharmacol** 1983 Oct;3(5):319-21

View from the Nation's Capitol. Romansky MA **J Clin Psychopharmacol** 1982 Aug;2(4):289-90

The 1985 conference on the NIDR-university partnership. Johnson S. **J Dent Educ** 1985 May;49(5):306-11

Report of the Research Subcommittee of the Joint Committee on Education of the American Association of Neurological Surgeons and the Congress of Neurological Surgeons. **J Neurosurg** 1985 Jul;63(1):144-9

Group decision making by experts: field study of panels evaluating medical technologies. Vinokur A, et al. **J Pers Soc Psychol** 1985 Jul;49(1):70-84

School-based health research funded by the National Heart, Lung, and Blood Institute. Stone EJ. **J Sch Health** 1985 May;55(5):168-74

New century of achievement awaits unique National Institutes of Health [news] Gunby P. **JAMA** 1984 Oct 26;252(16):2111-3, 2118-21, 2125-6 passim

The town meeting for technology. The maturation of consensus conferences. Mullan F, et al. **JAMA** 1985 Aug 23-30;254(8):1068-72

Consensus conference on cholesterol and heart disease [letter] **Lancet** 1985 Jul 27;2(8448):205-7

Consensus conferences [letter] **Lancet** 1985 Aug 17;2(8451):389

The diet-heart question in 1985: has it really been settled? Ahrens EH Jr. **Lancet** 1985 May 11;1(8437):1085-7

NIH Consensus Panel Report: treatment of hypertriglyceridemia. **Md State Med J** 1984 Nov;33(11):922-8

The NCI's Cancer Centers Program: past, present, and future. Steckel RJ. **Med Pediatr Oncol** 1985;13(2):59-64

National Institute of Child Health and Human Development: research program on mental retardation [editorial] Tjossem TD. **Ment Retard** 1985 Jun;23(3):101-4

The NIH and numbers [letter] **N Engl J Med** 1985 Oct 10;313(15):961-2

The use of animals in research. Iglehart JK. **N Engl J Med** 1985 Aug 8;313(6):395-400

Overhead on NIH grants [letter] Woolley M. **N Engl J Med** 1985 Feb 21;312(8):516

NIH budget. Reagan vetoes busybody bill [news] Beardsley I. **Nature** 1984 Nov 8-14;312(5990):90

NIH research grants. Multi-year grants on ice [news] Beardsley T. **Nature** 1985 Apr 18-24;314(6012):573

NIH/FDA dispute likely to delay research [news] Beardsley T. **Nature** 1985 Aug 15-21;316(6029):567

Cancer mortality: US half-rate goal in dispute [news] Beardsley T. **Nature** 1984 Nov 1-7;312(5989):6

NIH research: reducing grant-writing burden [news] Beardsley T. **Nature** 1984 Nov 29-Dec 5;312(5993):391

Genetic manipulation: NIH concede part of Rifkin suit [news] Budiansky S. **Nature** 1984 Nov 8-14;312(5990):91

NIH research. Administration makes rings around congressional edict [news] Budiansky S. **Nature** 1985 Jan 31-Feb 6;313(6001):337

A pediatrician attends the National Institutes of Health Consensus Conference on Lowering Blood Cholesterol. Mauer AM. **Pediatrics** 1985 Jul;76(1):125-6

Notes on the consensus development process. Kupfer DJ, et al. **Psychopharmacol Bull** 1985;21(1):2-6

An NIMH view of consensus conferencing. Pincus HA. **Psychopharmacol Bull** 1985;21(1):7-9

NIH gaining in grants battle [news] Culliton BJ. **Science** 1985 Apr 5;228(4695):35

OMB raid on NIH budget called 'outrageous' [news] Culliton BJ. **Science** 1985 Mar 1;227(4690):1016-7

Who runs NIH? [news] Culliton BJ. **Science** 1985 Mar 29;227(4694):1562-4

Deal struck on NIH grants [news] Culliton BJ. **Science** 1985 May 24;228(4702):970

NIH bills moving through Congress [news] Culliton BJ. **Science** 1985 Jul 5;229(4708):33

NIH role in biotechnology debated [news] Culliton BJ. **Science** 1985 Jul 12;229(4709):147-8

Congress, NIH dedicate center to Mary Lasker [news] Culliton BJ. **Science** 1984 Oct 12;226(4671):151

AIDS amendment angers cancer institute [news] Culliton BJ. **Science** 1984 Nov 30;226(4678):1056

NIH proposes extending life of grants [news] Culliton BJ. **Science** 1984 Dec 21;226(4681):1400-2

OMB directive will cost NIH loss of 1500 grants [news] Culliton BJ. **Science** 1985 Feb 1;227(4686):498

NIH budget growth [letter] Ebert JD, et al. **Science** 1985 Jun 14;228(4705):1260

Researcher's suit against NCI wins mixed judgment [news] Fox JL. **Science** 1984 Oct 12;226(4671):151

NIH study [letter] Hoagland M. **Science** 1985 Feb 15;227(4688):704

Heart panel's conclusions questioned [news] Kolata G. **Science** 1985 Jan 4;227(4682):40-1

NIH budget and better health [letter] Koshland DE Jr. **Science** 1985 Jun 21;228(4706):1382

Modest proposals for the granting system [editorial] Koshland DE Jr. **Science** 1985 Jul 19;229(4710):231

Rifkin versus gene splicing: NIH wins a round [news] Norman C. **Science** 1985 Jul 19;229(4710):252

Veto looms over NIH legislation [news] Norman C. **Science** 1984 Nov 2;226(4674):517

Congress votes NIH a big budget boost [news] Norman C. **Science** 1984 Oct 26;226(4673):417-8

President vetoes NIH bill [news] Norman C. **Science** 1984 Nov 16;226(4676):811-2

Rifkin and NIH win in court ruling [news] Sun M. **Science** 1985 Mar 15;227(4692):1321

NIH bows to part of Rifkin suit [news] Sun M. **Science** 1984 Nov 30;226(4678):1058

Committee vetoes proposal to ban gene tests [news] Sun M. **Science** 1984 Nov 9;226(4675):674

Another round in Rifkin versus gene splicing [news] Sun M. **Science** 1984 Dec 21;226(4681):1404-5

NIH budget [letter] Waxman HA. **Science** 1985 Apr 12;228(4696):130

ECONOMICS

NIH. More competition, more disquiet [news] Beardsley T. **Nature** 1985 May 9-15;315(6015):88

HISTORY

Thirty-five years of progress in cardiovascular research. Braunwald E. **Circulation** 1984 Nov;70(5 Pt 2):III8-25

New Frontiers in biology related to heart, lung, and blood diseases. Opening remarks. Jesse MJ. **Circulation** 1984 Nov;70(5 Pt 2):III5

Message from the President of the United States. Reagan R. **Circulation** 1984 Nov;70(5 Pt 2):III7

New frontiers in biology related to heart, lung, and blood diseases. Opening remarks. Wyngaarden JB. **Circulation** 1984 Nov;70(5 Pt 2):III5-6

ORGANIZATION & ADMINISTRATION

Do you dare to continue on the present track? Goldstein M. **Am J Otolaryngol** 1984 Jul-Aug;5(4):231-4

Testimony of the American Federation for Clinical Research before the US Senate Labor-HHS-Education Appropriations Subcommittee and the US House of Representatives Appropriations Subcommittee concerning NIH support in FY 1985. Schwartz BD, et al. **Clin Res** 1984 Sep;32(3):362-3

Health policy report. Some further notes on congressional oversight of the NIH. Hatch OG, et al. **N Engl J Med** 1985 Oct 10;313(15):967-8

The NIH and numbers: a vital concern's concern. Healy B, et al. **N Engl J Med** 1985 May 30;312(22):1450-2

Health policy report. The NIH appropriation. Iglehart JK. **N Engl J Med** 1984 Oct 25;311(17):1132-6

The President vetoes stricter congressional oversight of NIH. Iglehart JK. **N Engl J Med** 1984 Nov 29;311(22):1452-6

The organizational structure of the NIH. Stoto MA, et al. **N Engl J Med** 1985 Jun 20;312(25):1634-7

US health research: NIH further subdivided [news] Beardsley T. **Nature** 1984 Oct 18-24;311(5987):596

Science and politics. The background and the issues surrounding the controversial proposal for a National Institute of Nursing. Jacox AK. **Nurs Outlook** 1985 Mar-Apr;33(2):78-84

Health policy and NIH: implications for nursing research. Larson E. **Nurs Res** 1984 Nov-Dec;33(6):352-6

Lukewarm reception for NIH study [news] Norman C. **Science** 1984 Nov 30;226(4678):1055

NATIONAL LIBRARY OF MEDICINE (U.S.)

Medical Library Association position on the National Library of Medicine's pricing policy [editorial] Palmer RA. **Bull Med Libr Assoc** 1984 Oct;72(4):397-9

From Army book collection to largest medical library [news] Simmons K. **JAMA** 1984 Oct 26;252(16):2333, 2337

The cost of health sciences information in a democratic society. Davies NE. **Trans Am Clin Climatol Assoc** 1984;96:201-6

HISTORY

John Shaw Billings [letter] Cummings MM, et al. **Science** 1984 Nov 23;226(4677):912

NATIONALITY see **ETHNIC GROUPS**

NATRIURESIS

Angiotensin II, aldosterone and arginine-vasopressin in exaggerated natriuresis of chronic glomerulonephritis. Danielsen H, et al. **Acta Med Scand [Suppl]** 1985;693:77–80

Angiotensin II natriuresis and antinatriuresis: role of renal artery pressure, renal hemodynamics, and tubular reabsorption. Olsen ME, et al. **Acta Med Scand [Suppl]** 1985;693:81–8

Time course of denervation diuresis and natriuresis in the anaesthetized rat. Bencsáth P, et al. **Acta Physiol Hung** 1985;66(1):47–50

Sodium transport inhibition, cell calcium, and hypertension. The natriuretic hormone/Na+–Ca2+ exchange/hypertension hypothesis. Blaustein MP, et al. **Am J Med** 1984 Oct 5;77(4A):45–59 (125 ref.)

Effects of auriculin (atrial natriuretic factor) on blood pressure, renal function, and the renin–aldosterone system in dogs. Maack T, et al. **Am J Med** 1984 Dec;77(6):1069–75

Interpreting the fractional excretion of sodium. Steiner RW. **Am J Med** 1984 Oct;77(4):699–702

Effects of synthetic atrial natriuretic factor on renal function and renin release. Burnett JC Jr, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):F863–6

Prostaglandins in the sodium excretory response to altered renal arterial pressure in dogs. Carmines PK, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):F8–14

Salt depletion inhibits cerebral–induced natriuresis in the dog. Gilmore JP, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):F725–8

Role of the pituitary in reflex natriuresis following acute unilateral nephrectomy. Lin SY, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F282–90

Mechanisms of angiotensin II natriuresis and antinatriuresis. Olsen ME, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F299–307

Mechanisms of antinatriuresis during low–frequency renal nerve stimulation in anesthetized dogs. Osborn JL, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):R360–7

Characterization of a new model for the study of pressure–natriuresis in the rat. Roman RJ, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):F190–8

Abnormal pressure–diuresis–natriuresis response in spontaneously hypertensive rats. Roman RJ, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):F199–205

Alpha 2–adrenoceptor antagonism of vasopressin–induced changes in sodium excretion. Smyth DD, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):F767–72

Volume depletion and natriuresis in patients with a ruptured intracranial aneurysm. Wijdicks EF, et al. **Ann Neurol** 1985 Aug;18(2):211–6

Changes in sodium and potassium excretion and urinary volume in rats submitted to hypervitaminosis A. Petenusci SO, et al. **Arch Int Physiol Biochim** 1984 Dec;92(5):327–31

Photoaffinity labeling of atrial natriuretic factor receptor in bovine and rat adrenal cortical membranes. Misono KS, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):994–1001

Cellular mechanism of release of atrial natriuretic factor. Sonnenberg H, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):443–9

Atrial natriuretic factor in rat hypothalamus, atria and plasma: determination by specific radioimmunoassay. Tanaka I, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):663–8

Identification of a biologically active circulating form of rat atrial natriuretic factor. Thibault G, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):981–6

Mechanism of polyuria and natriuresis in atrioventricular nodal tachycardia. Canepa–Anson R, et al. **Br Med J [Clin Res]** 1984 Oct 6;289(6449):866–8

Control of right atrial pressure at constant cardiac output suppresses volume natriuresis in anesthetized rats. Ackermann U, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):798–801

Vascular and adrenal receptors for atrial natriuretic factor in the rat. Schiffrin EL, et al. **Circ Res** 1985 Jun;56(6):801–7

Renal nerve stimulation causes alpha 1–adrenoceptor–mediated sodium retention but not alpha 2–adrenoceptor antagonism of vasopressin. Smyth DD, et al. **Circ Res** 1985 Aug;57(2):304–11

Mechanism of action of natriuretic fraction of urine. Chakravarty BJ, et al. **Clin Exp Pharmacol Physiol** 1985 May–Jun;12(3):235–8

Interaction between K+–transport, membrane potential and prostacyclin generation in the regulation of natriuresis. Braquet P, et al. **Contrib Nephrol** 1984;41:23–6

Changes induced by orthostatism in plasma renin activity and natriuresis. Influence of hypertension and renal failure. Labeeuw M, et al. **Contrib Nephrol** 1984;41:38–42

The heart and the atrial natriuretic factor. Cantin M, et al. **Endocr Rev** 1985 Spring;6(2):107–27 (189 ref.)

Effect of short–term bile duct ligation on peripheral blood steroids, urinary PGE2 and the rate of sodium excretion in male rabbits. Elias AN, et al. **Gen Pharmacol** 1984;15(5):427–30

Role of renal papillae in the regulation of sodium excretion during acute elevation of renal perfusion pressure in the rat. Chen PS, et al. **Hypertension** 1984 Nov–Dec;6(6 Pt 1):893–8

Renal response to acute volume overload in conscious rats with atrial appendectomy. Kobrin I, et al. **J Hypertens** 1985 Apr;3(2):145–8

Dopaminergic mediation of the natriuretic response to volume expansion. Krishna GG, et al. **J Lab Clin Med** 1985 Feb;105(2):214–8

Pressure natriuresis and prostaglandin secretion by perfused rat kidney. Gleim GW, et al. **Kidney Int** 1984 Nov;26(5):683–8

Pressure dependence of exaggerated natriuresis in two–kidney, one clip Goldblatt hypertensive rats. Mackenzie HS, et al. **Kidney Int** 1985 May;27(5):731–8

Actions of synthetic atrial natriuretic factor on bovine adrenal glomerulosa. Goodfriend TL, et al. **Life Sci** 1984 Oct 15;35(16):1675–82

Influence of dietary sodium on the natriuretic activity of atrial tissue. Pollock DM, et al. **Miner Electrolyte Metab** 1984;10(5):337–42

Lower atrial natriuretic activity in the newborn versus adult rat. Pollock DM, et al. **Miner Electrolyte Metab** 1985;11(1):41–4

Renal effects of human alpha–atrial natriuretic polypeptide [letter] Kuribayashi T, et al. **N Engl J Med** 1985 May 30;312(22):1456–7

Plasma concentration of atrial natriuretic factor in a patient with paroxysmal atrial tachycardia [letter] Schiffrin EL, et al. **N Engl J Med** 1985 May 2;312(18):1196–7

Sodium retention in nephrotic syndrome is due to an intrarenal defect: evidence from steroid–induced remission. Brown EA, et al. **Nephron** 1985;39(4):290–5

Low–pressure receptor activity and exaggerated natriuresis in essential hypertension. Coruzzi P, et al. **Nephron** 1985;40(3):309–15

Participation of cholinergic and adrenergic synapses of the medial septal area (MSA) in the natriuretic and kaliuretic responses to intraventricular hypertonic saline (NaCl). da Rocha MJ, et al. **Physiol Behav** 1985 Jan;34(1):23–8

Molecular cloning and characterization of DNA sequences encoding rat and human atrial natriuretic factors. Zivin RA, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6325–9

Role of natriuretic factor in central nervous system (CNS)–induced natriuresis. Beasley D, et al. **Proc Soc Exp Biol Med** 1985 Apr;178(4):575–9

Studies on the nephron segment with reduced sodium reabsorption during starvation natriuresis. Satta A, et al. **Renal Physiol** 1984;7(5):283–92

Renin–angiotensin–aldosterone system in exaggerated natriuresis of chronic glomerulonephritis. Danielsen H, et al. **Scand J Clin Lab Invest** 1984 Dec;44(8):693–702

Arterial pressure and the natriuretic hormone. de Wardener HE. **Scott Med J** 1984 Apr;29(2):120–4 (23 ref.)

[Pseudohypoaldosteronism: a special form of sodium loss in infancy] Limbowo D, et al. **Tijdschr Kindergeneeskd** 1984 Oct;52(5):200–4 (Eng. Abstr.) **(Dut)**

[Natriuria during immersion of brief duration] Lecomte J, et al. **C R Soc Biol (Paris)** 1984;178(6):647–50 (Eng. Abstr.) **(Fre)**

[Dopamine in the kidney: a further natriuretic hormone?] Unger T, et al. **Fortschr Med** 1985 Apr 11;103(14):357–60 (Eng. Abstr.) **(Ger)**

[The role of peptides of atrial origin in the regulation of water–electrolyte metabolism] Januszewicz A, et al. **Pol Tyg Lek** 1985 Feb 25;40(8):235–40 **(Pol)**

[Natriuretic hormone––current concepts] Januszewicz P, et al. **Pol Tyg Lek** 1984 Apr 9;39(15):519–21 (17 ref.) **(Pol)**

DRUG EFFECTS

Modification of the renal effects of ouabain by calcium channel blockers. Cruz–Soto MA, et al. **Adv Exp Med Biol** 1984;178:319–27

Demeclocycline–induced natriuresis and renal insufficiency: in vivo and in vitro studies. Braden GL, et al. **Am J Kidney Dis** 1985 May;5(5):270–7

Effects of dDAVP on rat juxtamedullary nephrons: stimulation of medullary K recycling. Elalouf JM, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F291–8

Synthetic atrial natriuretic factor decreases renal tubular phosphate reabsorption in rats. Hammond TG, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F315–8

An improved bioassay method for determining natriuretic activity of atrial extracts. Johnson MD. **Am J Physiol** 1985 Feb;248(2 Pt 2):F314–8

Mechanism of furosemide–induced natriuresis by direct stimulation of renal prostaglandin E2. Katayama S, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):F555–61

Centrally administered naloxone blocks reflex natriuresis after acute unilateral nephrectomy. Lin SY, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):F390–5

Atriopeptins: correlation between renal vasodilation and natriuresis. Wakitani K, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):F49–53

Differential structure–activity relationships of atrial peptides as natriuretics and renal vasodilators in the dog. Katsube N, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):325–30

Structure–activity relationships of atrial natriuretic factor (ANF). I. Natriuretic activity and relaxation of intestinal smooth muscle. Thibault G, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):938–46

The natriuresis following oral administration of the calcium antagonists––nifedipine and nitrendipine. Ene MD, et al. **Br J Clin Pharmacol** 1985 Apr;19(4):423–7

Fluid intake, distribution, and excretion during lateral ventricular infusions of carbachol in rats. Fitts DA, et al. **Brain Res** 1985 Apr 22;332(2):237–45

Effects of vasoactive drugs on the natriuresis of nephrotic rats. Okay Y, et al. **Braz J Med Biol Res** 1984;17(1):93–9

Accelerated natriuresis induced by synthetic atrial natriuretic polypeptide in spontaneously hypertensive rats. Kihara M, et al. **Clin Exp Hypertens [A]** 1985;7(4):539–51

Natriuretic and smooth muscle responses to human urinary natriuretic hormone in rats: relation to blood pressure and kallikrein excretion in patients. Mills IH, et al. **Clin Exp Hypertens [A]** 1985;7(5–6):783–92

Effects of high and low molecular weight atrial natriuretic factor in the isolated kidney. Raine AE, et al. **Clin Exp Hypertens [A]** 1984;6(10–11):1863–6

Dopaminergic regulation of natriuretic response to acute volume expansion in dogs. McClanahan M, et al. **Clin Sci** 1985 Mar;68(3):263–9

Importance of plasma aldosterone concentration on the natriuretic effect of spironolactone in patients with liver cirrhosis and ascites. Bernardi M, et al. **Digestion** 1985;31(4):189–93

Acute diuretic/natriuretic properties of felodipine in man. Edgar B, et al. **Drugs** 1985;29 Suppl 2:176–84

Gamma–2MSH is natriuretic in the rat. Lymangrover JR, et al. **Endocrinology** 1985 Mar;116(3):1227–9

Relationship between urinary dopamine production and natriuresis after acute intravascular volume expansion with sodium chloride in dogs. Sowers JR, et al. **Endocrinology** 1984 Dec;115(6):2085–90

Natriuretic properties of [2–p–ethylphenylalanine] deamino–6–carba–oxytocin (Nacartocin) in cats. Skopková J, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):235–8

Sodium channel blockers are vasodilator as well as natriuretic and diuretic agents. Haddy FJ, et al. **Hypertension** 1985 May–Jun;7(3 Pt 2):I121–6

High sodium intake enhances renal nerve and antinatriuretic responses to stress in spontaneously hypertensive rats. Koepke JP, et al. **Hypertension** 1985 May–Jun;7(3 Pt 1):357–63

Natriuretic and water diuretic effects of central alpha 2–adrenoceptor agonists. Gehr M, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 5:S781–6

Natriuretic effect of calcium antagonists. Zanchetti A, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 4:S33–7 (32 ref.)

Administration of atrial natriuretic factor inhibits sodium–coupled transport in proximal tubules. Hammond TG, et al. **J Clin Invest** 1985 Jun;75(6):1983–9

Combined effect of bumetanide and metolazone in normal volunteers. Greenberg A, et al. **J Clin Pharmacol** 1985 Jul–Aug;25(5):369–73

CGP 22979A, a renal vasodilator with natriuretic properties. Hofbauer KG, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):838–44

Interaction between the natriuretic effects of renal perfusion pressure and the antinatriuretic effects of angiotensin and aldosterone in control of sodium excretion. Young DB, et al. **J Physiol (Paris)** 1984;79(6):511–7 (15 ref.)

Serum uric acid, ACE inhibitors, and natriuresis [letter] Navis GJ, et al. **Lancet** 1985 Jul 20;2(8447):156

Renal, haemodynamic, and hormonal effects of human alpha atrial natriuretic peptide in healthy volunteers. Richards AM, et al. **Lancet** 1985 Mar 9;1(8428):545–9

Dopamine receptor antagonists inhibit the natriuretic response to atrial natriuretic factor (ANF). Marin–Grez M, et al. **Life Sci** 1985 Jun 3;36(22):2171–6

Diuretic and natriuretic actions of extract prepared from rat erythrocytes. Selmeci L, et al. **Life Sci** 1985 Mar 18;36(11):1025–31

Renal and systemic effects of synthetic atrial natriuretic factor. Seymour AA, et al. **Life Sci** 1985 Jan 7;36(1):33–44

Indacrinone: natriuretic and uricosuric effects of various ratios of its enantiomers in healthy men. Vlasses PH, et al. **Pharmacotherapy** 1984 Sep–Oct;4(5):272–7

Role of prostaglandins in captopril–induced natriuresis. Conte G, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985;21:820–4

Chronic infusion of low doses of atrial natriuretic factor (ANF Arg 101–Tyr 126) reduces blood pressure in conscious SHR without apparent changes in sodium excretion. Garcia R, et al. **Proc Soc Exp Biol Med** 1985 Jul;179(3):396–401

Reduction of blood pressure and increased diuresis and natriuresis during chronic infusion of atrial natriuretic factor (ANF Arg 101–Tyr 126) in conscious one–kidney, one–clip hypertensive rats. Garcia R, et al. **Proc Soc Exp Biol Med** 1985 Sep;179(4):539–45

Potentiating effects of leukotriene B4 and prostaglandin E2 on urinary sodium excretion by the dog kidney. Hébert RL, et al. **Prostaglandins Leukotrienes Med** 1985 Apr;18(1):69–80

Depressor and natriuretic activities of several atrial peptides. Tang J, et al. **Regul Pept** 1984 Sep;9(1–2):53–9

Further characterization of the endogenous natriuretic and digoxin–like immunoreacting activities in human urine: effects of changes in sodium intake. Kramer HJ, et al. **Renal Physiol** 1985;8(2):80–9

[Comparative variations in natriuresis and urinary calcium in patients with hypercalciuric lithiasis treated with thiazide diuretics] Jungers P, et al. **Nephrologie** 1984;5(5):202–4 (Eng. Abstr.) **(Fre)**

[Influence of lithium carbonate on the effects of the natriuretic factor] Kosuba RB, et al. **Farmakol Toksikol** 1984 Sep-Oct;47(5):15-8 (Eng. Abstr.) **(Rus)**

NATURAL CHILDBIRTH

Mode of delivery in the low birth weight fetus. Delivery by cesarean section independent of fetal lie versus vaginal delivery in vertex presentation. A study with long-term follow-up. Westgren M, et al. **Acta Obstet Gynecol Scand** 1985;64(1):51-7

Self-report and psychophysiological effects of Lamaze preparation: an analogue of labor pain. Geden E, et al. **Res Nurs Health** 1985 Jun;8(2):155-65

[Psychoprophylactic childbirth versus traditional obstetric care] Guzmán Sánchez A, et al. **Ginecol Obstet Mex** 1983 Aug;51(316):221-4 (Eng. Abstr.) **(Spa)**

METHODS

Childbirth preparation and outcomes of labor and delivery in primiparous women. Patton LL, et al. **J Fam Pract** 1985 Apr;20(4):375-8

PSYCHOLOGY

The role of psychological mechanisms in preparation for childbirth. Wideman MV, et al. **Am Psychol** 1984 Dec; 39(12):1357-71

[The present state of obstetrical psychoprophylaxis in practice. II. The effects of preparation] Cepický P, et al. **Cesk Gynekol** 1984 Nov;49(9):644-7 (Cze)

TRENDS

[Natural childbirth in the ecology of reproduction] Fijałkowski W. **Ginekol Pol** 1984 Dec;55(12):925-30 (Eng. Abstr.) **(Pol)**

NATURAL DISASTERS see under **DISASTERS**

NATURAL KILLER CELLS see **KILLER CELLS, NATURAL**

NATURAL RESOURCES CONSERVATION see **CONSERVATION OF NATURAL RESOURCES**

NATURAL SELECTION see **SELECTION (GENETICS)**

NATUROPATHY

The care and feeding of legislators or how about a prescription for some sleeping pills, doc? Fritz M. **Alaska Med** 1984 Jul-Sep;26(3):79-81

Chiropractic revisited [letter] Thomas WL. **Med J Aust** 1985 Sep 16;143(6):267

[Garlic--natural remedy for atherosclerosis-related symptoms?] Osler M, et al. **Ugeskr Laeger** 1985 Jan 14; 147(3):151-5 (Eng. Abstr.) **(Dan)**

[Cheap alternative?] van Ballegooie E. **Ned Tijdschr Geneeskd** 1984 Oct 20;128(42):1977-8 **(Dut)**

NAUSEA

BLOOD

Serum chorionic gonadotrophin (hCG), schwangerschaftsprotein 1 (SP1), progesterone and oestradiol levels in patients with nausea and vomiting in early pregnancy. Masson GM, et al. **Br J Obstet Gynaecol** 1985 Mar;92(3):211-5

CEREBROSPINAL FLUID

Vasopressin in plasma and ventricular cerebrospinal fluid during dehydration, postural changes, and nausea. Sørensen PS, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R78-83

CHEMICALLY INDUCED

Effect of a small dose of droperidol on nausea, vomiting and recovery after outpatient enflurane anaesthesia. Valanne J, et al. **Acta Anaesthesiol Scand** 1985 May;29(4):359-62

Dexamethasone and high dose metoclopramide: efficacy in controlling cisplatin induced nausea and vomiting. Allan SG, et al. **Br Med J [Clin Res]** 1984 Oct 6;289(6449):878-9

The effect of a susceptibility to motion sickness on the side effects of cancer chemotherapy. Morrow GR. **Cancer** 1985 Jun 15;55(12):2766-70

Susceptibility to motion sickness and the development of anticipatory nausea and vomiting in cancer patients undergoing chemotherapy. Morrow GR. **Cancer Treat Rep** 1984 Sep;68(9):1177-8

Personality factors associated with anticipatory nausea/vomiting in patients receiving cancer chemotherapy. van Komen RW, et al. **Health Psychol** 1985; 4(3):189-202

The effect of administration rate on cisplatin-induced emesis. Jordan NS, et al. **J Clin Oncol** 1985 Apr;3(4):559-61

Development of anticipatory nausea: a prospective analysis. Andrykowski MA, et al. **J Consult Clin Psychol** 1985 Aug; 53(4):447-54

Postcoital intervention [letter] Kovacs G, et al. **Med J Aust** 1985 Apr 1;142(7):424-5

Concomitants of anticipatory nausea and emesis in cancer patients in chemotherapy. Dobkin P, et al. **Psychol Rep** 1985 Apr;56(2):671-6

Comparative evaluation of two outpatient antiemetic regimens for cancer chemotherapy. Pruitt BT, et al. **Tex Med** 1985 Jul;81(7):44-5

[1 year's use of alizapride for the prevention and treatment of nausea and vomiting secondary to anticancer agents] Olivier JP. **Ann Gastroenterol Hepatol (Paris)** 1985 Jan; 21(1):53-5 **(Fre)**

[Chemotherapy of malignant tumors, vomiting and nausea--what to do?] Ell C, et al. **Fortschr Med** 1984 Oct 4;102(37):913-5 (Eng. Abstr.) **(Ger)**

[Side effects of epidural morphine with special reference to age and sex] Suzuki M, et al. **Masui** 1985 May;34(5):676-81 (Eng. Abstr.) **(Jpn)**

[Toxic and psychogenic causes of nausea and vomiting associated with cytostatic treatment] Kotlarek-Haus S, et al. **Pol Tyg Lek** 1985 Apr 8-15;40(14-15):417-20 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Nausea and vomiting and dietary cravings and aversions during pregnancy in South African women. Walker AR, et al. **Br J Obstet Gynaecol** 1985 May;92(5):484-9

DIAGNOSIS

The diagnosis and management of nausea and vomiting: a review. Hanson JS, et al. **Am J Gastroenterol** 1985 Mar; 80(3):210-8 (31 ref.)

DRUG THERAPY

Transdermally administered scopolamine vs. dimenhydrinate. I. Effect on nausea and vertigo in experimentally induced motion sickness. Pyykkö I, et al. **Acta Otolaryngol (Stockh)** 1985 May-Jun;99(5-6):588-96

Randomised trial of intravenous high dose metoclopramide and intramuscular chlorpromazine in controlling nausea and vomiting induced by cytotoxic drugs. Cunningham D, et al. **Br Med J [Clin Res]** 1985 Feb 23;290(6468):604-5

Domperidone [letter] Leeser J, et al. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):241-2

Comparison of the antiemetics metoclopramide and promethazine in labour. Vella L, et al. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1173-5

Control of cancer chemotherapy-induced nausea and vomiting. Eyre HJ, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2642-8

Pharmacologic treatment of chemotherapy-induced nausea and vomiting. Fiore JJ, et al. **Cancer Invest** 1984; 2(5):351-61 (88 ref.)

Antiemetic efficacy of levonantradol compared to delta-9-tetrahydrocannabinol for chemotherapy-induced nausea and vomiting. Citron ML, et al. **Cancer Treat Rep** 1985 Jan;69(1):109-12

Evaluation of a combination antiemetic regimen including iv high-dose metoclopramide, dexamethasone, and diphenhydramine in cisplatin-based chemotherapy regimens. Rosell R, et al. **Cancer Treat Rep** 1985 Jul-Aug; 69(7-8):909-10

Low-dose metoclopramide versus methylprednisolone in controlling chemotherapy induced nausea and vomiting. Chiara S, et al. **Chemioterapia** 1984 Oct;3(5):333-6

High-dose alizapride versus high-dose domperidone: a double-blind comparative study in the management of cis-platinum-induced emesis. Huys J, et al. **Curr Med Res Opin** 1985;9(6):400-6

Successful administration of metoclopramide for the treatment of nausea in patients with advanced liver disease. A double-blind controlled trial. Uribe M, et al. **Gastroenterology** 1985 Mar;88(3):757-62

The use of methylprednisolone and metoclopramide in control of emesis in patients receiving cis-platinum. Benrubi GI, et al. **Gynecol Oncol** 1985 Jul;21(3):306-13

Nabilone in the management of prochlorperazine resistant cancer chemotherapy induced emesis. Niamatali C, et al. **Ir Med J** 1984 Sep;77(9):276-7

The control of cancer chemotherapy-induced nausea and vomiting. Dodds LJ. **J Clin Hosp Pharm** 1985 Jun; 10(2):143-66 (84 ref.)

Metoclopramide: dose-related toxicity and preliminary antiemetic studies in children receiving cancer chemotherapy. Allen JC, et al. **J Clin Oncol** 1985 Aug; 3(8):1136-41

A comparison of the antiemetic efficacy of prochlorperazine and metoclopramide for the treatment of cisplatin-induced emesis: a prospective, randomized, double-blind study. Carr BI, et al. **J Clin Oncol** 1985 Aug;3(8):1127-32

Antiemetic efficacy of high-dose dexamethasone versus placebo in patients receiving cisplatin-based chemotherapy: a randomized double-blind controlled clinical trial. D'Olimpio JT, et al. **J Clin Oncol** 1985 Aug;3(8):1133-5

Dose ranging evaluation of the antiemetic efficacy and toxicity of intramuscular levonantradol in cancer subjects with chemotherapy-induced emesis. Stambaugh JE Jr, et al. **J Clin Pharmacol** 1984 Nov-Dec;24(11-12):480-5

Debendox and pregnancy [letter] **Med J Aust** 1984 Oct 13; 141(8):546-7

Droperidol as an antiemetic in cis-platinum-induced nausea and vomiting. Roberts WS, et al. **Oncology** 1985;42(1):42-3

[Clinical experimental test and equilibrimetric measurements of the therapeutic action of a homeopathic drug consisting of ambra, cocculus, Conium and mineral oil in the diagnosis of vertigo and nausea] Claussen CF, et al. **Arzneimittelforsch** 1984;34(12):1791-8 (Eng. Abstr.) **(Ger)**

[The control of chemotherapy-induced nausea and vomiting] Shinkai T, et al. **Gan No Rinsho** 1985 Jun;31(7):779-91 (87 ref.) (Eng. Abstr.) **(Jpn)**

[Randomized control study of high-dose metoclopramide in the prevention of CDDP-induced emesis] Sawamura N, et al. **Gan To Kagaku Ryoho** 1985 Apr;12(4):943-6 (Eng. Abstr.) **(Jpn)**

[Effects of domperidone suppository against adverse reactions in digestive organs induced by cancer chemotherapy] Urabe A, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 2):2738-41 (Eng. Abstr.) **(Jpn)**

[Cisplatin drug therapy. Antiemetic treatment. Experiences with the use of high-dose metoclopramide combined with chlopromazine and prochlorperazine] Aasebø U, et al. **Tidsskr Nor Laegeforen** 1985 Jan 20;105(2):148-9 (Eng. Abstr.) **(Nor)**

ETIOLOGY

Nausea, vomiting, and abdominal pain after Roux-en-Y anastomosis: motility of the jejunal limb. Mathias JR, et al. **Gastroenterology** 1985 Jan;88(1 Pt 1):101-7

The influence of diet on morning sickness: a cross-cultural study. Minturn L, et al. **Med Anthropol** 1984 Winter; 8(1):71-5

Gallbladder disease related to use of oral contraceptives and nausea in pregnancy. Järnfelt-Samsioe A, et al. **South Med J** 1985 Sep;78(9):1040-3

[Blood loss and nausea during legal abortion] Carcey J, et al. **Ann Fr Anesth Reanim** 1985;4(3):271-3 (Eng. Abstr.) **(Fre)**

METABOLISM

Morning sickness and vitamin B6 status of pregnant women. Schuster K, et al. **Hum Nutr Clin Nutr** 1985 Jan;39(1):75-9

PREVENTION & CONTROL

Nausea and vomiting in day-case dental anaesthesia. The use of low-dose droperidol. O'Donovan N, et al. **Anaesthesia** 1984 Dec;39(12):1172-6

Evaluation of anti-emetics in association with intrathecal diamorphine. Barron DW. **Ann R Coll Surg Engl** 1984 Sep; 66(5):359-60

The evaluation of domperidone and metoclopramide as antiemetics in day care abortion patients. Waldmann CS, et al. **Br J Clin Pharmacol** 1985 Mar;19(3):307-10

Metoclopramide versus chlorpromazine in controlling nausea and vomiting induced by cytotoxic drugs [letter] Allan SG, et al. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1212-3

Parkinsonism following i.v. administration of high-dose metoclopramide used as an antiemetic agent during cancer chemotherapy. Markman M, et al. **Cancer Treat Rep** 1985 Mar;69(3):341-2

Effect of intramuscular clebopride on postoperative nausea and vomiting. Duarte DF, et al. **Clin Ther** 1985;7(3):365-71

Lack of antiemetic effect of high-dose metoclopramide. Roemeling RV, et al. **J Clin Oncol** 1985 Sep;3(9):1273-6

[Domperidone suppositories treatment for nausea and vomiting during cancer chemotherapy] Usui N, et al. **Gan To Kagaku Ryoho** 1984 Oct;11(10):2272-3 **(Jpn)**

PSYCHOLOGY

Anticipatory nausea and/or vomiting. Moher D, et al. **Cancer Treat Rev** 1984 Sep;11(3):257-64 (38 ref.)

Toward a behavioral assessment of anticipatory symptoms associated with cancer chemotherapy. Ahles TA, et al. **J Behav Ther Exp Psychiatry** 1984 Jun;15(2):141-5

Clinical characteristics associated with the development of anticipatory nausea and vomiting in cancer patients undergoing chemotherapy treatment. Morrow GR. **J Clin Oncol** 1984 Oct;2(10):1170-6

Anticipatory nausea and vomiting in pediatric cancer patients. Dolgin MJ, et al. **Pediatrics** 1985 Mar;75(3):547-52

THERAPY

Appropriateness of taped versus live relaxation in the systematic desensitization of anticipatory nausea and vomiting in cancer patients. Morrow GR. **J Consult Clin Psychol** 1984 Dec;52(6):1098-9

Hypnosis as adjuvant antiemetic therapy in childhood cancer. Hockenberry MJ, et al. **Nurs Clin North Am** 1985 Mar; 20(1):105-7

NAUTICAL MEDICINE see **NAVAL MEDICINE**

NAVAL MEDICINE

see related
DIVING
SHIPS

Suicides among male Finnish seafarers. Wickström G, et al. **Acta Psychiatr Scand** 1985 Jun;71(6):575-80

Exposure of radio officers to radio frequency radiation on Danish merchant ships. Skotte J. **Am Ind Hyg Assoc J** 1984 Dec;45(12):791-5

The accident injury matrix and its use in diving injury investigations. Dembert ML. **Aviat Space Environ Med** 1984 Dec;55(12):1143-7

Cardiovascular disease among U.S. Navy pilots. Hoiberg A. **Aviat Space Environ Med** 1985 May;56(5):397-402

Cases from the aerospace medicine residents' teaching file: a visual dilemma. Lovan WD. **Aviat Space Environ Med** 1985 May;56(5):474-5

The effects of an augmented and the standard recruit physical training program on fitness parameters. Marcinik EJ, et al. **Aviat Space Environ Med** 1985 Mar;56(3):204-7

In a small boat round the world. Davies SN. **Br Med J [Clin Res]** 1984 Dec 22-29;289(6460):1780-1

Six months on a slow boat to China. Hollis N. **Br Med J [Clin Res]** 1984 Dec 22-29;289(6460):1775-7

A brief review of ILO activities concerning the health of merchant seafarers. Braida T. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):5-9

An anthropometric aspect of optimization of working spaces aboard a ship. Dankiewicz-Sznajder J. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):81-8

Assessment of the hazards of electromagnetic fields emitted by the equipment aboard towards humans (nervous and circulatory systems). Dolmierski R, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):11-21

Influence of meteorological conditions of various climatic zones on the arterial pressure of participants in a sea voyage. Part I. Selected atmospheric factors and the arterial pressure of persons staying in the subantarctic climate. Filikowski J. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):31-40

The system of medical fitness examinations for seamen in the German Democratic Republic. Grimmer G, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):131-5

Morbidity in the Soviet seamen of the Caspian Sea as revealed by medical check-up. Kuliyev AA. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):63-6

Normative and organizational improvement of commissions for professional selection of seamen. Lisobey VA, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):137-41

Psychophysiological evaluation of candidates to work at sea. Nitka J, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):125-30

Medical aspects of the survival of shipwrecked crewmen of the m/s 'Kudowa Zdrój'. Renke W. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):23-9

Evaluation of anthropometric parameters related to the man-ship ergonomic system. Sten'ko YM, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):73-80

Hygienic aspects for preventing diseases of seamen in modern vessels. Voitenko AM. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):67-71

Evaluation of the state of the circulatory system in the officers of the Polish Ocean Lines. III. A physical analysis of circulation. Waśkiewicz J, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):149-58

The problem of attesting fitness for duty of seafarers seen against reductions of shipboard personnel. Zorn E. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):49-53

Dental anxiety and DMFS status: association within a US naval population versus differences between groups. Cohen ME. **Community Dent Oral Epidemiol** 1985 Apr;13(2):75-8

Correlation between characteristics of voluntary control of EEG rhythms with parameters of operant activity. Markman VG, et al. **Hum Physiol** 1983 Nov-Dec;9(6):430-3

Pulling boat hands: a unique dermatosis from coastal New England. Toback AC, et al. **J Am Acad Dermatol** 1985 Apr;12(4):649-55

Operation corporate--the Sir Galahad bombing. Woolwich Burns Unit experience. Chapman P. **J R Army Med Corps** 1984 Jun;130(2):84-8

Routine Pulheem assessments [letter] Millar CW. **J R Nav Med Serv** 1985 Summer;71(2):123-4

Medical contingent, Diego Garcia. O'Day B. **J R Nav Med Serv** 1985 Summer;71(2):115-6

Excessive lateral pressure as a cause of patello-femoral pain syndrome. Osborne AH, et al. **J R Nav Med Serv** 1985 Summer;71(2):81-5

Is frostnip important? Riddell DI. **J R Nav Med Serv** 1984 Winter;70(3):140-2

Complications of saturation diving. Leitch DR. **J R Soc Med** 1985 Aug;78(8):634-7

Longitudinal health risks among graduates and non-graduates of diving school. Hoiberg A. **J Soc Occup Med** 1985 Feb;35(1):30-4

Diagnosis related groups: potential impact on Navy health care. Rieder KA, et al. **Milit Med** 1985 May;150(5):266-70

Effects of physician counseling on the smoking behavior of asbestos-exposed workers. Li VC, et al. **Prev Med** 1984 Sep;13(5):462-76

Health risks among enlisted males in the U.S. Navy: race and ethnicity as correlates of disease incidence. Palinkas LA, et al. **Soc Sci Med** 1985;20(11):1129-41

Naval medicine in the Falklands Conflict April-July 1982. Overall policy and operations. Harrison J. **Trans Med Soc Lond** 1982-84;99-100:75-81

Ajax Bay. Jolly TR. **Trans Med Soc Lond** 1982-84;99-100:85-9

'SS Uganda'--surgery in the hospital ship. Leicester RJ. **Trans Med Soc Lond** 1982-84;99-100:89-93

'Canberra' (role conversion) triage and resuscitation. Williams JG. **Trans Med Soc Lond** 1982-84;99-100:81-5

Health risk factors for the development of decompression sickness among U.S. Navy divers. Dembert ML, et al. **Undersea Biomed Res** 1984 Dec;11(4):395-406

Outline of medical standards for divers. Hickey DD. **Undersea Biomed Res** 1984 Dec;11(4):407-32

[Roentgen manifestation of sailor's blast injury] Qin ZM. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Apr;19(2):79-80 (Eng. Abstr.) **(Chi)**

[The disease pattern on a coastal inspection ship sailing around the coast of Greenland] Toft P. **Ugeskr Laeger** 1984 Sep 3;146(36):2725-6 (Eng. Abstr.) **(Dan)**

[To be a sailor--an occupation and a life style in change] Brochmann JH, et al. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2443-8 **(Nor)**

[Health services in offshore petroleum industries. Problems and challenges] Hanoa R. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2461-4 **(Nor)**

[Health and occupational environment in connection with petroleum activities at sea] Hellesøy OH. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2450-60 **(Nor)**

[Comparative determination of the total mercury in food by the dithizone method and flameless atomic-absorption spectrophotometry] Nabrzyski M, et al. **Rocz Panstw Zakl Hig** 1984;35(2):125-30 (Eng. Abstr.) **(Pol)**

[Effect of ship noise on the rate of free associations in sailors during long sea voyages] Volkov AA, et al. **Gig Sanit** 1985 Feb;(2):82-3 **(Rus)**

[Changes in the functional state of peripheral blood leukocytes in crew members of small boats] Lomov OP, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):50-2 **(Rus)**

[Prevention of the cumulative manifestations of fatigue in sailors during prolonged cruises by means of electrosleep] Sten'ko IuM, et al. **Gig Tr Prof Zabol** 1985 May;(5):42-4 **(Rus)**

[Treatment of vegetovascular dystonia with beta-blockaders and tranquilizers] Zubarev IuG, et al. **Sov Med** 1985;(3):83-5 **(Rus)**

[Activities of the naval medical posts of the Central Hospital of the Upper Volga Basin] Rzhevskiĭ AN, et al. **Sov Zdravookhr** 1984;(5):49-52 **(Rus)**

[Effect of dosed physical loads on the status of redox processes in the bodies of sailors] Altukhov VG, et al. **Voen Med Zh** 1984 Nov;(11):44-7 **(Rus)**

[Changes in hemoglobin heterogeneity in sailors during a long cruise] Barinov VA. **Voen Med Zh** 1985 Mar;(3):48-9 **(Rus)**

[Body supply of vitamin C in sailors in tropical climates] Berdyshev VV. **Voen Med Zh** 1985 Feb;(2):51-3 **(Rus)**

[Effect of a motor regimen on the physical work capacity of sailors during the postcruise rest period] Bobrov IuM, et al. **Voen Med Zh** 1985 Jun;(6):68-71 **(Rus)**

[Experience in the treatment and rehabilitation with viral hepatitis patients on a hospital ship on a long cruise] Gnoevoĭ VB, et al. **Voen Med Zh** 1984 Sep;(9):46 **(Rus)**

[Effect of electropuncture on the work capacity of naval specialists during long sea voyages] Kokhanov VP, et al. **Voen Med Zh** 1985 Apr;(4):69-70 **(Rus)**

[Changes in muscle elasticity in sailors during sea voyages] Kushnirenko EA, et al. **Voen Med Zh** 1984 Aug;(8):49-50 **(Rus)**

[Reflexotherapy of tobacco smoking under conditions of long sea voyages] Nikitin EA, et al. **Voen Med Zh** 1984 Dec;(12):48-9 **(Rus)**

[Metabolic function of sailors during a cruise] Solodkov AS. **Voen Med Zh** 1984 Oct;(10):42-5 **(Rus)**

[Aboard ship--an occupation and a life style in transition] Brochmann JH, et al. **Nord Med** 1985;100(2):54-9 (Eng. Abstr.) **(Swe)**

EDUCATION

Training in occupational medicine in the Royal Navy--a personal view. Wright DS. **J R Nav Med Serv** 1985 Spring;71(1):9-14

HISTORY

Ship's surgeons and naturalists in the early history of Alaska. Part 3: Voyages for Empire and the Northwest Passage, 1814-1854. Fortuine R. **Alaska Med** 1984 Oct-Dec;26(4):117-21

Ships' surgeons and naturalists in the early history of Alaska. Part 2: Voyages of trade and science, 1786-1807. Fortuine R. **Alaska Med** 1984 Jul-Sep;26(3):82-6 contd

The history of the Society of U.S. Naval Flight Surgeons [editorial] Dully FE. **Aviat Space Environ Med** 1985 Feb;56(2):97-8

Haslar Museum. Parsons CT. **J R Nav Med Serv** 1985 Summer;71(2):117-20

[The origin of quarantine in European naval medicine] Ulewicz K. **Arch Hist Med (Warsz)** 1985;48(1):47-50 (Eng. Abstr.) **(Pol)**

[Contribution of the Naval Medical Academy roentgenologists to victory over fascist Germany] Elashov IuG. **Med Radiol (Mosk)** 1985 May;30(5):15-8 **(Rus)**

[Chief naval surgeons during World War II] Aleksanian IV, et al. **Sov Zdravookhr** 1985;(3):63-6 **(Rus)**

[The medical naval brigade behind the enemy lines] Sobol' IS. **Voen Med Zh** 1984 Dec;(12):15-8 **(Rus)**

MANPOWER

[Work with military medical personnel should be at the level of current demands] **Voen Med Zh** 1985 Mar;(3):3-6 **(Rus)**

STANDARDS

[Medical control of microclimate in ship's cabins] Bukharin EA, et al. **Voen Med Zh** 1985 Jan;(1):55-7 **(Rus)**

TRENDS

[Trends in the further improvement of dispensary work in the Army and Navy] **Voen Med Zh** 1984 Sep;(9):3-7 **(Rus)**

[The progressive collective] Grishaev LI. **Voen Med Zh** 1984 Oct;(10):7-9 **(Rus)**

NAVAL SCIENCE see **MILITARY SCIENCE**

NBD CHLORIDE see under **OXADIAZOLES**

NEAMIN see **NEOMYCIN**

NEBRAMYCIN see under **ANTIBIOTICS**

NEBRAMYCIN FACTOR 6 see **TOBRAMYCIN**

NECATOR

GROWTH & DEVELOPMENT

[Studies on the cultivation of the adult necator americanus in vitro] Huang XX, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(1):35-7 (Eng. Abstr.) **(Chi)**

NECATOR AMERICANUS see **NECATOR**

NECATORIASIS

ETIOLOGY

Necator americanus and Ancylostoma ceylanicum: development of protocols for dual infection in hamsters. Rajasekariah GR, et al. **Acta Trop (Basel)** 1985 Mar;42(1):45-54

OCCURRENCE

Ancylostoma duodenale and Necator americanus in the Abay (Blue Nile) Gorge [letter] Afework M, et al. **Ethiop Med J** 1985 Jul;23(3):135-6

Reinfection with intestinal helminths after treatment with mebendazole and fluctuations in individual Ascaris lumbricoides infections with time. Shield J, et al. **Papua New Guinea Med J** 1984 Jun;27(2):89-94

[Geographic distribution of Ancylostoma duodenale and Necator americanus in Taiwan] Liu JC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Aug;17(3):161-4 (Eng. Abstr.) **(Chi)**

[Distribution of Necator americanus and Ancylostoma duodenale in Santa Cruz, Bolivia] Urjel R, et al. **Ann Soc Belg Med Trop** 1985 Jun;65(2):173-7 (Eng. Abstr.) **(Fre)**

[Ancylostomiasis in Congo children among the population of Brazzaville] Carme B. **Bull Soc Pathol Exot Filiales** 1984 May-Jun;77(3):320-7 (Eng. Abstr.) **(Fre)**

[Hypotheses on the origin of certain parasites on the Latin American continent] Nozais JP. **Bull Soc Pathol Exot Filiales** 1985;78(3):401-12 (Eng. Abstr.) **(Fre)**

NECK

Pityrosporum orbiculare--a pathogenic factor in atopic dermatitis of the face, scalp and neck? Waersted A, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985;114:146-8

Nuchal cysts syndromes: etiology, pathogenesis, and prenatal diagnosis. Elejalde BR, et al. **Am J Med Genet** 1985 Jul;21(3):417-32

Alteration of double-lumen endobronchial tube position by flexion and extension of the neck [letter] Saito S, et al. **Anesthesiology** 1985 May;62(5):696-7

Salmonella dublin neck abscess. Bello EF, et al. **Arch Otolaryngol** 1985 Jul;111(7):476-7

Eikenella corrodens. An emerging pathogen in head and neck infections. Tami TA, et al. **Arch Otolaryngol** 1984 Nov;110(11):752-4

Acute upper airway obstruction in the postburn period. Waymack JP, et al. **Arch Surg** 1985 Sep;120(9):1042-4

Deep neck infections and respiratory distress in children. White B. **Ear Nose Throat J** 1985 Jan;64(1):30-8

Neck tongue syndrome. Fortin CJ, et al. **Headache** 1985 Jul;25(5):255-8

A marsupialization procedure for repair of large cutaneous surgical wounds. Lewis JE. **Int J Dermatol** 1985 Jun;24(5):322-3

Role of fibrositis of supra and periscapular area in aetiology of brachialgia. Baksi DP. **J Indian Med Assoc** 1984 May;82(5):170-3

Cervical lymph node biopsy--a study of its morbidity. Gooder P, et al. **J Laryngol Otol** 1984 Oct;98(10):1031-40

Late effects of perivascular injection of Thorotrast in the neck. Stougaard M, et al. **J Laryngol Otol** 1984 Oct;98(10):1003-7

Thorotrast granuloma of the neck [letter] Langlands AO. **J R Soc Med** 1985 Jul;78(7):606-7

Thorotrast granuloma of the neck. Webber PA, et al.

J R Soc Med 1984 Dec;77(12):1039–41

A comparison of methods of cervical immobilization used in patient extrication and transport. Cline JR, et al. **J Trauma** 1985 Jul;25(7):649–53

Invasive Aspergillus of the head and neck. Colman MF. **Laryngoscope** 1985 Aug;95(8):898–9

Management of nonperitonsillar abscesses of the head and neck with needle aspiration. Herzon FS. **Laryngoscope** 1985 Jul;95(7 Pt 1):780–1

'Red-neck syndrome' with slow infusion of vancomycin [letter] Pau AK, et al. **N Engl J Med** 1985 Sep 19; 313(12):756–7

Intraventricular morphine in paraneoplastic painful syndrome of the cervicofacial region: experience in thirty-eight cases. Lenzi A, et al. **Neurosurgery** 1985 Jul;17(1):6–11

Chronic neck and shoulder pain. Focusing on myofascial origins. Grosshandler SL, et al. **Postgrad Med** 1985 Feb 15;77(3):149–51, 154–8

Neck manipulation causing stroke. Case reports. Fritz VU, et al. **S Afr Med J** 1984 Dec 1;66(22):844–6

Carotid artery bruit: is it safe and effective to auscultate the neck? Kuller LH, et al. **Stroke** 1984 Nov-Dec;15(6):944–7 (22 ref.)

[Congenital cervical cysts in data from the ORL department] Břeh J, et al. **Cesk Otolaryngol** 1985 Jul;34(4):240–4 (Eng. Abstr.) **(Cze)**

[Construction of a plaster collar] Cronier P, et al. **J Chir (Paris)** 1985 Mar;122(3):201–4 (Eng. Abstr.) **(Fre)**

[Mentosternal fistula--apropos of a case] Lardenet J, et al. **J Fr Otorhinolaryngol** 1984 Oct;33(8):418–9 (Eng. Abstr.) **(Fre)**

[Value of stereotaxic mesencephalic tractotomy in neoplastic cervicofacial pain] Cohadon F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(1):9–10 (Eng. Abstr.) **(Fre)**

[Advantages and limitations of echography in the study of lymph nodes of the neck] Turetta G, et al. **Acta Otorhinolaryngol Ital** 1984 Nov-Dec;4(6):703–14 (Eng. Abstr.) **(Ita)**

[Late sequelae of cervical spine injuries] Szawłowski K, et al. **Pol Tyg Lek** 1985 May 13;40(19):533–5 (Eng. Abstr.) **(Pol)**

[Phlegmon of the neck as a complication of tonsillectomy] Antoniuk MI, et al. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):73–4 **(Rus)**

[Chronic purulent otitis media complicated by an extensive phlegmon of the neck] Bystrenin AV. **Vestn Otorinolaringol** 1985 May-Jun;(3):79–80 **(Rus)**

ABNORMALITIES

Wattle: an unusual congenital anomaly [letter] Christensen P, et al. **Arch Dermatol** 1985 Jan;121(1):22–3

Midline cervical cleft. Gargan TJ, et al. **Plast Reconstr Surg** 1985 Aug;76(2):225–9

An anatomical study of human otocephaly. Lawrence DL, et al. **Teratology** 1984 Oct;30(2):155–65

ANATOMY & HISTOLOGY

Long-term changes in hyoid bone position and craniocervical posture in complete denture wearers. Tallgren A, et al. **Acta Odontol Scand** 1984 Oct;42(5):257–67

High-field surface-coil MR imaging of localized anatomy. Schenck JF, et al. **AJNR** 1985 Mar-Apr;6(2):181–6

The viscerovertebral angle. The surgical avenue of the neck. Tenta LT, et al. **Clin Plast Surg** 1985 Jul;12(3):313–22

Influence of cervical posture on mandibular movement. Goldstein DF, et al. **J Prosthet Dent** 1984 Sep;52(3):421–6

[Median band of the neck and cervical tumefactions] Gaillard J. **J Fr Otorhinolaryngol** 1984 Nov;33(9):429, 431–2 **(Fre)**

BLOOD SUPPLY

Non-suture organ grafting to the neck vessels in rats. Olausson M, et al. **Acta Chir Scand** 1984;150(6):463–7

Digital angiography of pulsatile masses in the neck. Lanzieri CF, et al. **AJNR** 1985 May-Jun;6(3):415–8

Veins of the head and neck of the donkey (Equus asinus). Ahmed MA, et al. **Anat Histol Embryol** 1985 Jun; 14(2):149–57

Cerebral venous sinus pressure in seated dogs: impact of PEEP, cervical venous compression, and abdominal compression. Hibino H, et al. **Anesthesiology** 1985 Aug; 63(2):184–9

The cutaneous blood supply of the neck: relevance to incision planning and surgical reconstruction. Rabson JA, et al. **Br J Plast Surg** 1985 Apr;38(2):208–19

Oblique positioning for intravenous digital subtraction angiography images of the neck and head. Pelz D, et al. **J Can Assoc Radiol** 1985 Mar;36(1):37–40

Digital subtraction angiography of the arteries of the head and neck. Seeger JF, et al. **Radiol Clin North Am** 1985 Jun;23(2):193–210

Venous aneurysm. Koh SJ, et al. **South Med J** 1984 Oct; 77(10):1327–8

Fibromuscular dysplasia of cervico-cephalic arteries with multiple dissections and a carotid-cavernous fistula. A pathological study. Bellot J, et al. **Stroke** 1985 Mar-Apr; 16(2):255–61

The performance of endarterectomy for disease of the extracranial arteries of the head. Dyken ML, et al. **Stroke** 1984 Nov-Dec;15(6):948–50

[Vascular malformations imitating a patent ductus arteriosus] Balatka J, et al. **Cesk Pediatr** 1985 May;40(5):291–3 (Eng. Abstr.) **(Cze)**

[Vascular tumors of the neck] Lacombe H, et al. **J Fr Otorhinolaryngol** 1984 Dec;33(10):513–28 **(Fre)**

[Residual angina following mammary artery bypass due to anomalous origin of the thyrocervical trunk] Goebel N, et al. **ROFO** 1985 May;142(5):578–9 **(Ger)**

[Experience with the management of traumatic and iatrogenic injuries of the major blood vessels of the neck and chest] Mészáros Z, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(1):17–23 (Eng. Abstr.) **(Hun)**

[Intravenous digital subtraction angiography of the vessels of the neck. A comparison between Isopaque and Omnipaque] Nakstad P, et al. **Tidsskr Nor Laegeforen** 1985 Feb 20;105(5):367–8 (Eng. Abstr.) **(Nor)**

[Outflow pathways in bilateral successive block resection of the neck] Tikhy S, et al. **Vestn Otorinolaringol** 1985 Mar-Apr;(2):57–8 **(Rus)**

INJURIES

Uterine strangulation of a premature infant. Goodlin RC, et al. **Am J Obstet Gynecol** 1984 Oct 15;150(4):435–6

Head and neck injuries in college football: an eight-year analysis. Albright JP, et al. **Am J Sports Med** 1985 May-Jun;13(3):147–52

Penetrating injuries of the neck. Demetriades D, et al. **Ann R Coll Surg Engl** 1985 Mar;67(2):71–4

Football shoulder and neck injury: a study of the 'stinger'. Poindexter DP, et al. **Arch Phys Med Rehabil** 1984 Oct; 65(10):601–2

Chain saw injuries of the head and neck. Pratt LW. **Ear Nose Throat J** 1985 May;64(5):215–22

Injury of the vertebral artery in suicidal hanging. Saternus KS. **Forensic Sci Int** 1984 Aug;25(4):265–75

Head and neck injuries to motorcycle and moped riders--with special regard to the effect of protective helmets. Krantz KP. **Injury** 1985 Jan;16(4):253–8

Initial management of penetrating neck wounds--a selective approach. Narrod JA, et al. **J Emerg Med** 1984;2(1):17–22

Penetrating neck wound with tracheoesophageal fistula. Cutchavaree A, et al. **J Med Assoc Thai** 1985 Jan;68(1):33–8

Rabies therapy for animal bites in the head and neck region. Flanigan TJ, et al. **J Oral Maxillofac Surg** 1985 Sep; 43(9):704–6

Routine versus selective exploration of penetrating neck injuries: a randomized prospective study. Golueke PJ, et al. **J Trauma** 1984 Dec;24(12):1010–4

Penetrating neck trauma: diagnostic studies in the asymptomatic patient. Jurkovich GJ, et al. **J Trauma** 1985 Sep;25(9):819–22

Vertebral artery transection from blunt trauma treated by embolization. Kobernick M, et al. **J Trauma** 1984 Sep; 24(9):854–6

110 bullet wounds to the neck. Ordog GJ, et al. **J Trauma** 1985 Mar;25(3):238–46

The management of arterial injuries caused by penetration of zone III of the neck. Sclafani SJ, et al. **J Trauma** 1985 Sep;25(9):871–81

Impact of routine arteriography on management of penetrating neck injuries. Hiatt JR, et al. **J Vasc Surg** 1984 Nov;1(6):860–6

When are airgun pellets better left alone? [letter] Cudmore RE, et al. **Lancet** 1985 Mar 30;1(8431):765–6

When are airgun pellets better left alone? [letter] Jenkins RB. **Lancet** 1985 May 25;1(8439):1213–4

Torquing of neck and jaw due to belt restraint in whiplash-type accidents [letter] Roydhouse RH. **Lancet** 1985 Jun 8;1(8441):1341

Arterial Brown-Séquard's syndrome after a penetrating injury of the spinal cord at the cervicomedullary junction. Grant JM, et al. **Med J Aust** 1985 Jul 22;143(2):84–5

Break-dancing neck [letter] McBride DQ, et al. **N Engl J Med** 1985 Jan 17;312(3):186

Are high schools adequately prepared to cope with serious rugby injuries? Glaun R, et al. **S Afr Med J** 1984 Nov 17;66(20):768–70

A critical reappraisal of a mandatory exploration policy for penetrating wounds of the neck. Obeid FN, et al. **Surg Gynecol Obstet** 1985 Jun;160(6):517–22

[Circumstances and causative factors in injuries of the otorhinolaryngologic organs] Cerný E. **Cesk Otolaryngol** 1984 Jun;33(3):141–6 (Eng. Abstr.) **(Cze)**

[Injuries of the carotid artery wall in the neck area] Bohutová J. **Cesk Radiol** 1985 Mar;39(2):66–74 (Eng. Abstr.) **(Cze)**

[Occlusion of the carotid artery following blunt injury to the neck. A case of matrimonial violence with an unrecognized complication] Helweg-Larsen K. **Ugeskr Laeger** 1985 Feb 4;147(6):528–9 (Eng. Abstr.) **(Dan)**

[Findings in intermediate ridges of strangulation marks and their value as signs of vitality] Pollak S, et al. **Arch Kriminol** 1985 Mar-Apr;175(3–4):85–94 (Eng. Abstr.) **(Ger)**

[Purtscher's traumatic angiopathy--early documentation] Lindenblatt B, et al. **Fortschr Ophthalmol** 1984;81(3):228–30 (Eng. Abstr.) **(Ger)**

[Myocutaneous island flaps as a new principle in plastic and reconstructive head and neck surgery] Krisch A. **Laryngol Rhinol Otol (Stuttg)** 1985 Jun;64(6):283–6 (Eng. Abstr.) **(Ger)**

[Post-burn neck deformities and their correction with cervico-thoracic skin-adipose tissue flaps] Grishkevich VM, et al. **Khirurgiia (Mosk)** 1985 May;(5):45–8 (Eng. Abstr.) **(Rus)**

[Method of correcting midline neck deformities as a result of burns] Iudenich VV, et al. **Sov Med** 1984;(12):82–6 **(Rus)**

[Quantitative research on the cytological dynamics of the healing of suppurative facial and neck wounds] Mukhsinov ME, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):33–5 (Eng. Abstr.) **(Rus)**

[Gunshot wound of the neck with injury to the major vessels in a child] Shvabovich AI. **Vestn Khir** 1985 Apr; 134(4):99–100 **(Rus)**

[Gunshot wound of the neck complicated by mediastinitis and hemorrhage] Pogosian MG, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):83–4 **(Rus)**

INNERVATION

Directional sensitivity of neurons in the lumbar spinal cord to neck rotation. Brink EE, et al. **Brain Res** 1984 Dec 3; 323(1):172–5

Tonic cervical influences on eye nystagmus following hemilabyrinthectomy: immediate and plastic effects. Pettorossi VE, et al. **Brain Res** 1984 Dec 17;324(1):11–9

The sagittal vestibulocollic reflex and its interaction with neck proprioceptive afferents in the decerebrate cat. Dutia MB, et al. **J Physiol (Lond)** 1985 Feb;359:17–29

The neck-tongue syndrome: occurrence with cervical arthritis as well as normals. Webb J, et al. **J Rheumatol** 1984 Aug;11(4):530–3

PATHOLOGY

Cervical thymic cyst: case report and review of literature. Barat M, et al. **Laryngoscope** 1985 Jan;95(1):89–91

Age and the neck's 'décolleté syndrome'. Dénes Z. **ZFA** 1985 May-Jun;40(3):159–64

PHYSIOLOGY

Movement of the distal end of the endotracheal tube during flexion and extension of the neck [letter] Toung TJ, et al. **Anesth Analg** 1985 Oct;64(10):1030–2

The participation of forelimb flexors in labyrinth and neck reflexes in the decerebrate cat. Conway BA, et al. **Brain Res** 1984 Nov 19;322(1):148–51

Body position with respect to the head or body position in space is coded by lumbar interneurons. Suzuki I, et al. **J Neurophysiol** 1985 Jul;54(1):123–33

PHYSIOPATHOLOGY

Hyperextension of the neck in an ailing infant. John A, et al. **Hosp Pract [Off]** 1985 Sep 30;20(9A):110–1

Cervical headache. Bogduk N, et al. **Med J Aust** 1985 Sep 2;143(5):202, 206–7

Effect of intermittent, supine cervical traction on the myoelectric activity of the upper trapezius muscle in subjects with neck pain. Jette DU, et al. **Phys Ther** 1985 Aug;65(8):1173–6

Continuous recording of neck rotation: preliminary observations. Murphy C, et al. **Spine** 1984 Sep;9(6):657–9

[The extremity-neck phenomenon, reverse and paradoxic deep neck reflex] Lesný I, et al. **Cesk Neurol Neurochir** 1985 Mar;48(2):110–2 (Eng. Abstr.) **(Cze)**

RADIATION EFFECTS

Polyethylene glycol as a protector against head and neck irradiation. Shaeffer J, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2329–33

[Carcinogenesis following radiotherapy of benign head and neck diseases] Yuge K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Feb;88(2):238–41 **(Jpn)**

RADIOGRAPHY

Simplified patient positioning to reduce beam hardening in CT of the lower neck. Harvey GD, et al. **AJNR** 1984 Nov-Dec;5(6):796

Are neck radiographs necessary in the management of croup syndrome? [letter] Goel KM. **Arch Dis Child** 1984 Sep; 59(9):908

Computed tomography of the neck. Gayler BW, et al. **CRC Crit Rev Diagn Imaging** 1985;23(4):319–76 (62 ref.)

Xeroradiography of the lateral neck. Smith C. **CRC Crit Rev Diagn Imaging** 1984;23(2):151–233 (145 ref.)

High resolution computed tomography, Part 1: Soft tissues of the neck. Swartz JD, et al. **Head Neck Surg** 1984 Oct; 7(1):73–80

Digital subtraction angiography of the head and neck: experience in a community hospital over a 9-month period. Stoecker R, et al. **J Am Osteopath Assoc** 1984 Sep; 84(1):26–34

Cervical facet joint arthrography. Dussault RG, et al. **J Can Assoc Radiol** 1985 Mar;36(1):79–80

Computed tomography of cervical infections. Nyberg DA, et al. **J Comput Assist Tomogr** 1985 Mar-Apr;9(2):288–96

The value of soft tissue radiography in the assessment and treatment of lingual tonsillar hypertrophy. Willatt D, et al. **J Laryngol Otol** 1984 Dec;98(12):1217–9

The neck after total laryngectomy: CT study. DiSantis DJ, et al. **Radiology** 1984 Dec;153(3):713–7

Major motor atrophic patterns in the face and neck: CT evaluation. Harnsberger HR, et al. **Radiology** 1985 Jun; 155(3):665-70

[Diagnostic efficacy of pictures of neck soft tissues as 'routine' x-rays in thyroid diagnosis] Hanisch M. **Radiol Diagn (Berl)** 1985;26(2):239-44 (Ger)

SURGERY

Suprazygomatic SMAS in rhytidectomy. Morales P, et al. **Aesthetic Plast Surg** 1984;8(3):181-7

Adjunct to draping of head and neck. Richardson HD, et al. **AORN J** 1984 Dec;40(6):940

Symposium on head and neck surgery. **Clin Plast Surg** 1985 Jul;12(3):311-517

Surgery of the parotid gland and the viscerovertebral angle. Keyes GR, et al. **Clin Plast Surg** 1985 Jul;12(3):323-30

Regional anesthesia in head and neck surgery. Stromberg BV. **Clin Plast Surg** 1985 Jan;12(1):123-36

The transverse posterior approach to the neck. Redfern TR, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):616-7

'Saw-tooth' pattern on a flow-volume loop following neck surgery [letter] Kohan JM, et al. **JAMA** 1984 Nov 16; 252(19):2701-2

A rational approach to the neck in cervicofacial rhytidectomy--a guide to planning skin undermining, platysma surgery, and lipectomy. McCurdy JA Jr. **Laryngoscope** 1984 Oct;94(10):1383-4

Argon laser treatment of head and neck vascular lesions. Parkin JL, et al. **Otolaryngol Head Neck Surg** 1985 Apr; 93(2):211-6

Cervicofacial rhytidoplasty in Ehlers-Danlos syndrome: hazards on healing. Guerrerosantos J, et al. **Plast Reconstr Surg** 1985 Jan;75(1):100-3

Lipoplasty of the neck. Lewis CM. **Plast Reconstr Surg** 1985 Aug;76(2):248-57

A technique for draping of the infant for surgery of the head and neck. Tuerk M. **Plast Reconstr Surg** 1985 Apr; 75(4):590-1

An autologous hemostatic agent. James AG, et al. **Surg Gynecol Obstet** 1984 Oct;159(4):381-2

[Transfer of the latissimus dorsi musculo-cutaneous flap in the treatment of neck, chest and arm defects: report of 9 cases] Shi SS, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Mar;23(3):170-2, 191-2 (Eng. Abstr.) (Chi)

[Myocutaneous flaps of the pectoralis major. Anatomy, technic and clinical applications] Mouthuy B, et al. **Acta Chir Belg** 1984 Sep-Oct;84(5):283-92 (Eng. Abstr.) (Fre)

[Free and pedicled flaps in face and neck surgery] Moermans JP. **Rev Med Brux** 1984 Sep;5(7):473-8 (Eng. Abstr.) (Fre)

NECK MUSCLES see under **MUSCLES**

NECK NEOPLASMS see **HEAD AND NECK NEOPLASMS**

NECROBACILLOSIS see **FUSOBACTERIUM INFECTIONS**

NECROBIOSIS LIPOIDICA

COMPLICATIONS

Squamous cell carcinoma arising in long-standing necrobiosis lipoidica [letter] Clement M, et al. **Arch Dermatol** 1985 Jan; 121(1):24-5

DRUG THERAPY

Treatment of necrobiosis lipoidica with low-dose acetylsalicylic acid. A randomized double-blind trial. Beck HI, et al. **Acta Derm Venereol (Stockh)** 1985;65(3):230-4

ETIOLOGY

Coexistence of sarcoidosis and necrobiosis lipoidica of the legs--a report of two cases. Graham-Brown RA, et al. **Clin Exp Dermatol** 1985 May;10(3):274-8

[Necrobiosis lipoidica diabeticorum in type 1 diabetes in children] Tosti A, et al. **G Ital Dermatol Venereol** 1984 Nov-Dec;119(6):391-4 (Eng. Abstr.) (Ita)

[Relations between lipoid necrobiosis and diabetes mellitus] Abramova EA, et al. **Vestn Dermatol Venerol** 1985 Feb; (2):36-8 (Eng. Abstr.) (Rus)

[Current aspects of the pathogenesis and therapy of granuloma annulare and necrobiosis lipoidica] Shaposhnikov OK, et al. **Vestn Dermatol Venerol** 1985 May; (5):4-8 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Necrobiosis lipoidica in two diabetic sisters. Seviour PW, et al. **Clin Exp Dermatol** 1985 Mar;10(2):159-61

PATHOLOGY

[Atypical genital necrobiosis lipoidica] Lecroq C, et al. **Ann Dermatol Venereol** 1984;111(8):717-8 (Fre)

[Ultrastructural study of a case of Miescher-Leder granulomatosis disciformis chronica et progressiva] Leroy JP, et al. **Ann Dermatol Venereol** 1985;112(5):433-9 (Eng. Abstr.) (Fre)

[Necrobiosis lipoidica in a patient with bronze diabetes] Graudal C, et al. **Hautarzt** 1984 Aug;35(8):418-20 (Eng. Abstr.) (Ger)

NECROSIS

Scrotal fat necrosis. Hollander JB, et al. **J Urol** 1985 Jul; 134(1):150-1

[Fat necrosis of the breast: report of 13 cases] Li JZ. **Chung Hua Wai Ko Tsa Chih** 1984 Oct;22(10):614-5, 639 (Eng. Abstr.) (Chi)

CHEMICALLY INDUCED

[Coumarin necrosis. A rare severe complication of oral anticoagulation] Brunner W, et al. **Schweiz Rundsch Med Prax** 1985 Feb 12;74(7):141-3 (Eng. Abstr.) (Ger)

COMPLICATIONS

Aseptic necrosis of the talus and calcaneal insufficiency fractures in a patient with pancreatitis, subcutaneous fat necrosis, and arthritis. Baron M, et al. **Arthritis Rheum** 1984 Nov;27(11):1309-13

Pressure necrosis is the primary cause of wound dehiscence. Bartlett LC. **Can J Surg** 1985 Jan;28(1):27-30

DIAGNOSIS

An evaluation of eight methods of using fluorescein to predict the viability of skin flaps in the pig. Myers B, et al. **Plast Reconstr Surg** 1985 Feb;75(2):245-50

[Localized spontaneous cytosteatonecrosis of the breast] Serin D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985; 14(2):205-7 (Eng. Abstr.) (Fre)

DRUG THERAPY

[Clinical experience with the combination of dextran 40, dihydroergotoxine, lidocaine in intravenous perfusion in the prevention of postoperative ischemia of skin flaps] Riberti C, et al. **Minerva Chir** 1984 May 31;39(10):819-23 (Eng. Abstr.) (Ita)

ETIOLOGY

Post-traumatic ischemic necrosis of the common bile duct. Gately JF, et al. **Can J Surg** 1985 Jan;28(1):32-3

Febrile polyarthritis and cutaneous nodules. An unusual presentation of a pancreatitis. Waterlot Y, et al. **Clin Rheumatol** 1984 Dec;3(4):521-3

The effects of smoking on experimental skin flaps in hamsters. Craig S, et al. **Plast Reconstr Surg** 1985 Jun;75(6):842-6

Necrotizing soft-tissue infections caused by marine vibrios. Howard RJ, et al. **Surgery** 1985 Jul;98(1):126-30

[Colliquation necrosis of the skin caused by a cardiac pacemaker] Kietzmann H, et al. **Dtsch Med Wochenschr** 1985 Mar 29;110(13):504-7 (Eng. Abstr.) (Ger)

[Non-alcoholic steatohepatitis associated with malnutrition (letter)] Pérez C, et al. **Med Clin (Barc)** 1984 Jun 30; 83(5):223-4 (Spa)

PATHOLOGY

Chronic relapsing pancreatitis with pseudocyst erosion into the portal vein and disseminated fat necrosis. Lee SH, et al. **Am J Gastroenterol** 1985 Jun;80(6):452-8

Subcutaneous fat necrosis of the newborn. Katz DA, et al. **Arch Dermatol** 1984 Nov;120(11):1517-8

Encapsulated necrosis on the legs showing a changing number of nodules. A special type of encapsulated adiponecrosis? Kikuchi I. **J Dermatol (Tokyo)** 1984 Aug; 11(4):413-6

[32-year-old male with abdominal pain, subcutaneous inflammation in the left inguinal region and acute ischemia of the left hand (clinical conference)] Piqué JM, et al. **Med Clin (Barc)** 1984 Oct 20;83(12):507-16 (Spa)

PHYSIOPATHOLOGY

[Necrotaxis. Importance of its study in pathology and pharmacology] Bessis M. **Bull Acad Natl Med (Paris)** 1984 Mar-Apr;168(3-4):323-9 (Eng. Abstr.) (Fre)

PREVENTION & CONTROL

Early vascular grafting to prevent upper extremity necrosis after electrical burns. Commentary on indications for surgery. Wang XW, et al. **Burns Incl Therm Inj** 1985 Jun; 11(5):359-65

RADIOGRAPHY

Focal fat necrosis presenting as a palpable abdominal mass: CT evaluation. Haynes JW, et al. **J Comput Assist Tomogr** 1985 May-Jun;9(3):568-9

SURGERY

A hard necrotic black right breast. Baruchin AM, et al. **Burns Incl Therm Inj** 1985 Apr;11(4):293

THERAPY

Maggot therapy revisited. Bunkis J, et al. **West J Med** 1985 Apr;142(4):554-6

VETERINARY

Progressive digital necrosis in the eastern blue-tongued skink, Tiliqua scincoides (Shaw). Hazell SL, et al. **J Wildl Dis** 1985 Apr;21(2):186-8

Treatment and clinicobiochemical observations of cows affected with fat necrosis. Motoi Y, et al. **Nippon Juigaku Zasshi** 1984 Jun;46(3):281-9

NECROSIS, ASEPTIC, OF BONE see **OSTEONECROSIS**

NECROSIS, AVASCULAR, OF BONE see **OSTEONECROSIS**

NECROTIZING ARTERITIS see **PERIARTERITIS NODOSA**

NECROTIZING PYELONEPHRITIS see **KIDNEY PAPILLARY NECROSIS**

NECTURUS

ANATOMY & HISTOLOGY

Seasonal variations in the fine structure of the Necturus maculosus urinary bladder epithelium: low transporters and high transporters. Karnaky KJ Jr, et al. **Am J Anat** 1984 Oct;171(2):227-42

Fine structure of the abdominal epidermis of the adult mudpuppy, Necturus maculosus (Rafinesque). Lindinger MI. **Cell Tissue Res** 1984;238(2):395-405

Electron microscopic study of the innervation of the renal tubules and urinary bladder epithelium in Rana catesbeiana and Necturus maculosus. Tsuneki K, et al. **J Morphol** 1984 Aug;181(2):143-53

METABOLISM

3,5,3'-Triiodothyronine receptors and thyroxine 5'-monodeiodinating activity in thyroid hormone-insensitive amphibia. Galton VA. **Gen Comp Endocrinol** 1985 Mar;57(3):465-71

PHYSIOLOGY

Cell and luminal pH in the proximal tubule of Necturus kidney. Planelles G, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):F932-8

NECTURUS MACULOSUS see under **NECTURUS**

NEEDLES

Effects of needle shape on the integrity of the vascular endothelium. Dujovny M, et al. **Acta Neurochir (Wien)** 1985;77(1-2):62-7

Coaxial introduction of a 0.35-inch (0.9-mm) guide wire after 22-gauge needle placement. Gould DA. **AJR** 1985 Jan; 144(1):134

Observations on the use of the Cope introduction set. Greenwood LH, et al. **AJR** 1985 Feb;144(2):257-8

Value of heparinized fine-needle aspiration biopsy in liver malignancy. Kasugai H, et al. **AJR** 1985 Feb;144(2):243-4

Use of the Rotex needle in percutaneous biopsy of pulmonary malignancy. Nahman BJ, et al. **AJR** 1985 Jul;145(1):97-9

Two-dimensional echocardiographic demonstration of multiple needles in the heart. Hsiung MC, et al. **Am J Cardiol** 1985 Apr 15;55(9):1245

Utilizing the creative unconscious in the treatment of hypodermic phobias and sleep disturbance. Nugent WR, et al. **Am J Clin Hypn** 1984 Jan;26(3):201-5

Emergency bone marrow infusions [letter] Turkel H. **Am J Dis Child** 1985 May;139(5):438-9

Release of residual material during needle cutting. Binley RJ, et al. **Am J Infect Control** 1984 Oct;12(5):282-8

An ultrasonic titanium needle with a 0.3-mm end or side opening [letter] Shock JP, et al. **Am J Ophthalmol** 1984 Dec 15;98(6):804-5

A new needle for biopsy of pleura. Sha XR. **Am J Surg** 1985 Mar;149(3):403-4

Disseminated inoculation blastomycosis in a renal transplant recipient. Butka B[illegible], et al. **Am Rev Respir Dis** 1984 Dec; 130(6):1180-3

A special needle for combined subarachnoid and epidural block [letter] Desira WR. **Anaesthesia** 1985 Mar;40(3):308

An aid to the unmarked Tuohy needle [letter] Laishley RS. **Anaesthesia** 1984 Dec;39(12):1253-4

'Malignment' of epidural needles [letter] LeDez K, et al. **Anaesthesia** 1984 Dec;39(12):1255-7

Epidural analgesia: a valuable precaution [letter] Said A, et al. **Anaesthesia** 1985 May;40(5):505

Electrical nerve location: numerical and electrophoretic comparison of insulated vs uninsulated needles. Bashein G, et al. **Anesth Analg** 1984 Oct;63(10):919-24

Comparison of insulated and uninsulated needles for locating peripheral nerves with a peripheral nerve stimulator. Ford DJ, et al. **Anesth Analg** 1984 Oct;63(10):925-8

The Lee modification of the Tuohy needle--a useful adjunct to gauging the depth of the epidural space [letter] Pither CE. **Anesth Analg** 1984 Nov;63(11):1048-9

Needle embolus: a unique complication of intravenous drug abuse. Lewis TD, et al. **Ann Emerg Med** 1985 Sep; 14(9):906-8

Needle localization of nonpalpable breast masses. Bigelow

R, et al. **Arch Surg** 1985 May;120(5):565-9

Amniocentesis and rhaphiphobia: a preliminary survey. Peters JA. **Birth Defects** 1984;20(6):201-7

Needlestick injuries in hospital staff [letter] Waldron HA. **Br Med J [Clin Res]** 1985 Apr 27;290(6477):1285

Fine-needle endoscopic percutaneous gastrostomy. Negri G, et al. **Endoscopy** 1984 Nov;16(6):223-5

The relationship of bacteremia to the length of injection needle in endoscopic variceal sclerotherapy. Snady H, et al. **Gastrointest Endosc** 1985 Aug;31(4):243-6

Needle punctures—documentation and incidence rate calculation. Fishman M, et al. **Infect Control** 1985 Jan;6(1):35-6

Disposable needle and syringe containers. Weinstein SA. **Infect Control** 1985 Jan;6(1):41-3

Comparative study of deflection characteristics and fragility of 25-, 27-, and 30-gauge short dental needles. Robison SF, et al. **J Am Dent Assoc** 1984 Dec;109(6):920-4

Needleholder for 10-0 nylon. Broggi RJ. **J Am Intraocul Implant Soc** 1985 Jan;11(1):74

The needle test for complete rupture of the Achilles tendon. O'Brien T. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1099-101

In praise of 30-gauge needles [letter] Selden ST. **J Dermatol Surg Oncol** 1985 Jul;11(7):666, 668

Percutaneous transhepatic cholangiography (P.T.C.) using Chiba needle in the diagnosis of cholestasis: the experience in 276 consecutive patients. The success rate, morbidity and mortality, with special emphasis on its recent diagnostic validity. Juttijudata P, et al. **J Med Assoc Thai** 1984 Nov;67(11):585-9

An ultrasonic needle guide for aiding percutaneous puncture of blood vessels. Kolb PJ. **J Med Eng Technol** 1985 Jan-Feb;9(1):14-7

Needlestick transmission of HTLV-III from a patient infected in Africa [editorial] **Lancet** 1984 Dec 15;2(8416):1376-7

Myringotomy with a syringe needle. Bloom J. **Laryngoscope** 1985 May;95(5):614

Scanning electron microscopy studies of needle and suture damage in rat carotid and femoral arteries. Longa EZ, et al. **Microsurgery** 1984;5(4):169-74

Risk of transmission of HTLV-III by needle stick [letter] DuBeau CE. **N Engl J Med** 1985 Apr 25;312(17):1128-9

Modification of a disposable needle for renal biopsy in children and transplant recipients. Chevalier RL. **Nephron** 1985;39(4):393-4

Root tip recovery via local anesthetic needle. Orr DL 2d, et al. **Oral Surg Oral Med Oral Pathol** 1985 Aug;60(2):158

The treatment of postoperative pain with the use of semipermanent auricular needles. Mastroianni A. **Panminerva Med** 1985 Jan-Mar;27(1):39-42

Adherence of bacteria to pediatric intravenous catheters and needles and its relation to phlebitis in animals. Ashkenazi S, et al. **Pediatr Res** 1984 Dec;18(12):1361-6

A new universal radiolucent handle. Cardella JF, et al. **Radiology** 1985 May;155(2):531

Aspiration biopsy: use of a curved needle. Carrasco CH, et al. **Radiology** 1985 Apr;155(1):254

Thin spinal or biopsy needle guidance. Mirfakhraee M, et al. **Radiology** 1985 Jan;154(1):240-2

A modified needle holder for mitral valve surgery. Dimitri WR. **Thorac Cardiovasc Surg** 1985 Feb;33(1):61-2

Ultrasonic stylets for needles and catheters. McDicken WN, et al. **Ultrasound Med Biol** 1984 Jul-Aug;10(4):L499-507

Experience with modified Chiba needle in staging of genitourinary tumors. Luciani L, et al. **Urology** 1985 Jun;25(6):568-72

[Strapping needle] Richter W, et al. **Beitr Orthop Traumatol** 1985 Apr;32(4):206-7 **(Ger)**

[Procedure in suspected iatrogenic damage of questionable civil rights relevance] Töppich E, et al. **Z Arztl Fortbild (Jena)** 1985;79(13):583-5 **(Ger)**

[Unknown foreign body of the cranial base] Frattina A, et al. **Chir Ital** 1984 Feb;36(1):108-16 (Eng. Abstr.) **(Ita)**

[Laser treatment of the eyes of microsurgical needles] Matukhnov VM, et al. **Med Tekh** 1984 Jul-Aug;(4):37 (Eng. Abstr.) **(Rus)**

[Elimination of iridodialysis using a needle with the eye at the tip without sectioning the anterior chamber] Liagin VN. **Oftalmol Zh** 1984;(8):498-500 **(Rus)**

[A stylus-needle] Nettov GG. **Ortop Travmatol Protez** 1984 Nov;(11):63 **(Rus)**

[Antimicrobial properties of acupuncture needles] Gaponiuk PIa, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):47-9 (Eng. Abstr.) **(Rus)**

[Antenna properties of acupuncture needles] Romodanov AP, et al. **Vrach Delo** 1984 Aug;(8):93-6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Catheter insertion through steel needles [letter] Lawrence PJ. **Crit Care Med** 1985 Apr;13(4):248-9

Control of needle hole bleeding with ethyl-cyanoacrylate glue (Krazy Glue). Citrin P, et al. **J Vasc Surg** 1985 May;2(3):488-90

NEFA see **FATTY ACIDS, NONESTERIFIED**

NEFOPAM see under **OXAZOCINES**

NEGAMYCIN see under **ANTIBIOTICS**

NEGATIVE REINFORCEMENT see **REINFORCEMENT (PSYCHOLOGY)**

NEGATIVISM see under **DEFENSE MECHANISMS**

NEGATRONS see **ELECTRONS**

NEGROES see **BLACKS**

NEGROID RACE

The Negritos: genetic origins and microevolution. Omoto K. **Acta Anthropogenet** 1984;8(1-2):137-47

Lens thickness in western Nigeria. A comparative ultrasonic study in Negros and Danes. Clemmesen V, et al. **Acta Ophthalmol (Copenh)** 1985 Jun;63(3):274-6

Prevalence of myopia in school children in Vanuatu. Garner LF, et al. **Acta Ophthalmol (Copenh)** 1985 Jun;63(3):323-6

The Duffy blood system and alcoholic liver disease in Baltimore black patients. Miller JM, et al. **Alcoholism (NY)** 1984 Sep-Oct;8(5):459

Birth weight doubling and tripling times: an updated look at the effects of birth weight, sex, race and type of feeding. Jung E, et al. **Am J Clin Nutr** 1985 Aug;42(2):182-9

An occult primary malignant melanoma in a black. Initial diagnosis by aspiration biopsy cytology of a metastasis. Kannan V, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:265-70

Spitz's nevus in a 'black' child of mixed ancestry. Wells LD, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:271-6

Electronically determined red blood cell values in a large number of healthy black adults. Subpopulations with low hemoglobin and red blood cell indices. Castro OL, et al. **Am J Epidemiol** 1985 Jun;121(6):930-6

Paternal effects on the human sex ratio at birth: evidence from interracial crosses. Khoury MJ, et al. **Am J Hum Genet** 1984 Sep;36(5):1103-11

Segregation and linkage analysis of alpha-N-acetyl-D-glucosaminidase (NAG) levels in a black family. Pericak-Vance MA, et al. **Am J Med Genet** 1985 Feb;20(2):295-306

Differences in response of black hypertensives to alpha vs. beta adrenergic antagonists: preliminary findings. Anderson S, et al. **Am J Med Sci** 1985 Jul;290(1):15-8

Race and primary open-angle glaucoma. Martin MJ, et al. **Am J Ophthalmol** 1985 Apr 15;99(4):383-7

Determination of the normal range of exophthalmometric values for black and white adults. Migliori ME, et al. **Am J Ophthalmol** 1984 Oct 15;98(4):438-42

Orthognathic surgery norms for American black patients. Connor AM, et al. **Am J Orthod** 1985 Feb;87(2):119-34

Cancer incidence rates among blacks in urban and rural Georgia, 1978-82. Greenberg RS, et al. **Am J Public Health** 1985 Jun;75(6):683-4

Duffy antigens and hypertension in a black population. Miller JM, et al. **Am J Public Health** 1985 May;75(5):558-9

Does race affect hospital use? Wilson PA, et al. **Am J Public Health** 1985 Mar;75(3):263-9

A longitudinal study of spirometry in young black and young white children. Strope GL, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1100-7

Malocclusion in black Americans and Nyeri Kenyans. An epidemiologic study. Garner LD, et al. **Angle Orthod** 1985 Apr;55(2):139-46

Leukocyte counts in 7,739 healthy black persons: effects of age and sex. Rana SR, et al. **Ann Clin Lab Sci** 1985 Jan-Feb;15(1):51-4

Menarche, pregnancy, birth spacing and menopause among the Agta women foragers of Cagayan province, Luzon, the Philippines. Goodman MJ, et al. **Ann Hum Biol** 1985 Mar-Apr;12(2):169-77

Palmar pattern reduction among the Bushmen. Hrezcko TA, et al. **Ann Hum Biol** 1985 May-Jun;12(3):213-23

ABO and Rhesus (D) gene frequencies in the Negroid population of South West Niger. Haegeman F, et al. **Ann Soc Belg Med Trop** 1985;65(1):99-100

An odontometric analysis of the early Griqua dentition. Kieser JA. **Anthropol Anz** 1985 Mar;43(1):51-8

Severe dementia. Prevalence and clinical features in a biracial US population. Schoenberg BS, et al. **Arch Neurol** 1985 Aug;42(8):740-3

Double heterozygosity for hemoglobins C and Lepore in an American black man. Schoentag R, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):777-9

Aneurysms of the abdominal aorta. Incidence in blacks and whites in North Carolina. Johnson G Jr, et al. **Arch Surg** 1985 Oct;120(10):1138-40

Relationship of plasma lipoprotein Lp(a) levels to race and to apolipoprotein B. Guyton JR, et al. **Arteriosclerosis** 1985 May-Jun;5(3):265-72

Frequent occurrence of a zeta-globin-region deletion in American blacks accounts for a previously-described restriction site polymorphism. Rappaport EF, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):817-23

Concordance of a point mutation 5' to the G gamma globin gene with G gamma beta +. Hereditary persistence of fetal hemoglobin in the black population. Collins FS, et al. **Blood** 1984 Dec;64(6):1292-6

Ethnic differences in human lymphocytic cyclic AMP production after isoprenaline stimulation and propranolol blockade. Venter CP, et al. **Br J Clin Pharmacol** 1985 Feb;19(2):187-90

Five haplotypes in Black beta-thalassaemia heterozygotes: three are associated with high and two with low G gamma values in fetal haemoglobin. Harano T, et al. **Br J Haematol** 1985 Feb;59(2):333-42

(A gamma delta beta)0-Thalassaemia in Blacks is due to a deletion of 34 kbp of DNA. Henthorn PS, et al. **Br J Haematol** 1985 Feb;59(2):343-56

Malignant melanoma [letter] MacSweeney S. **Br J Hosp Med** 1985 Jun;33(6):366

Anorexia nervosa in a black Zimbabwean. Buchan T, et al. **Br J Psychiatry** 1984 Sep;145:326-30

Racial differences in calcitonin and katacalcin. Stevenson JC, et al. **Calcif Tissue Int** 1984 Dec;36(6):725-8

Genetic predisposition to acute lymphocytic leukemia in American blacks. A Pediatric Oncology Group study. Budowle B, et al. **Cancer** 1985 Jun 15;55(12):2880-2

Primary bone cancer incidence in black and white residents of New York State. Polednak AP. **Cancer** 1985 Jun 15;55(12):2883-8

Serum vitamin B12 binders in South African blacks with hepatocellular carcinoma. van Tonder S, et al. **Cancer** 1985 Aug 15;56(4):789-92

On the paradoxically high relative prevalence of osteogenesis imperfecta type III in the black population of South Africa. Beighton P, et al. **Clin Genet** 1985 Apr;27(4):398-401

Serum immunoglobulins in the first year of life. Fosarelli P, et al. **Clin Pediatr (Phila)** 1985 Feb;24(2):84-8

Blood pressure, plasma volume, and catecholamine levels during enalapril therapy in blacks with hypertension. Freier PA, et al. **Clin Pharmacol Ther** 1984 Dec;36(6):731-7

Dental caries and blood groups in South African blacks. Walker AR, et al. **Community Dent Oral Epidemiol** 1985 Feb;13(1):42-3

Pseudomelanoma in a black patient. Bruce DR, et al. **Cutis** 1985 Jul;36(1):73-4

Lack of association of the polymorphic locus in the 5'-flanking region of the human insulin gene and diabetes in American blacks. Elbein S, et al. **Diabetes** 1985 May;34(5):433-9

Comparative nasopharyngeal analysis. Moaddab MB, et al. **Ear Nose Throat J** 1984 Sep;63(9):447-52

Multiple sclerosis—a case report on an Ethiopian. Tekle-Haimanot R. **Ethiop Med J** 1985 Jan;23(1):27-9

Inter-ethnic difference in sparteine oxidation among Ghanaians and Germans. Eichelbaum M, et al. **Eur J Clin Pharmacol** 1985;28(1):79-83

Hemoglobin abnormalities in a black family with HB S, hereditary persistence of HB F, and a gamma chain variant; a reevaluation through gene mapping. Harano T, et al. **Hemoglobin** 1984;8(6):549-68

Alternate organization of alpha G-Philadelphia globin genes among U.S. black and Italian Caucasian heterozygotes. Sciarratta GV, et al. **Hemoglobin** 1984;8(6):537-47

Frequencies of atypical serum cholinesterase in a mixed population of northeastern Brazil. Chautard-Freire-Maia EA, et al. **Hum Hered** 1984;34(6):364-70

Frequencies of atypical serum cholinesterase among Caucasians and Negroes from southern Brazil. Chautard-Freire-Maia EA, et al. **Hum Hered** 1984;34(6):388-92

Antipyrine metabolism in African villagers. Sommers DK, et al. **Hum Toxicol** 1985 Jul;4(4):379-84

Paracetamol metabolism in African villagers. Sommers DK, et al. **Hum Toxicol** 1985 Jul;4(4):385-9

Red cell cotransport activity and sodium content in black men. Relationship to essential hypertension. Ringel RE, et al. **Hypertension** 1984 Sep-Oct;6(5):724-30

The sex ratio of Igbo births. Egwuatu VE. **Int J Gynaecol Obstet** 1984 Oct;22(5):399-402

Otosclerosis in a black child: diagnostic acoustic impedance studies. Schweitzer VG, et al. **Int J Pediatr Otorhinolaryngol** 1984 Oct;8(1):79-90

Levels of immunoglobulin G, M, A, and E at various ages in allergic and nonallergic black and white individuals. Grundbacher FJ, et al. **J Allergy Clin Immunol** 1985 Jun;75(6):651-8

Cancer of the skin in blacks. III. A review of nineteen black patients with Bowen's disease. Mora RG, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 1):557-62

Cancer of the skin in blacks. IV. A review of nineteen black patients with Kaposi's sarcoma. Mora RG, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 1):563-7

Evidence for alteration of the vitamin D-endocrine system in blacks. Bell NH, et al. **J Clin Invest** 1985 Aug;76(2):470-3

Periodontal bone loss in dry mandibles of South African blacks: a biometric study. Tal H. **J Dent Res** 1985 Jun;64(6):925-9

Racial variations in electrocardiograms and vectorcardiograms between black and white children and their genesis. Rao PS, et al. **J Electrocardiol** 1984 Jul;17(3):239-52

Variant thyroxine-binding globulin in serum of Australian aborigines: a comparison with familial TBG deficiency in Caucasians and American blacks. Sarne DH, et al. **J Endocrinol Invest** 1985 Jun;8(3):217-24

Racial differences in intracellular concentration and transmembrane fluxes of sodium and potassium in erythrocytes of normal male subjects. M'Buyamba-Kabangu JR, et al. **J Hypertens** 1984 Dec;2(6):647-51

Race, environment and blood pressure: the South African experience. Seedat YK. **J Hypertens** 1983 Jun;1(1):7-12

Aspects of coronary heart disease in blacks. Watkins LO. **J Med Assoc Ga** 1984 Dec;73(12):849-50 (17 ref.)

Prevalence of coma in black subjects. Bell CC, et al. **J Natl Med Assoc** 1985 May;77(5):391-5

Propranolol versus labetalol: interesting differences in efficacy. Flamenbaum W. **J Natl Med Assoc** 1985 May;77 Suppl:14-29

The epidemiology of coronary heart disease in blacks. Gillum RF. **J Natl Med Assoc** 1985 Apr;77(4):281-4

Black/white differences in response to antihypertensive therapy. Materson BJ. **J Natl Med Assoc** 1985 May;77 Suppl:9-13

Latest guidelines on the treatment of high blood pressure. Thomson GE. **J Natl Med Assoc** 1985 May;77 Suppl:7-8

Community health centers: providing care for urban blacks. Webb H Jr. **J Natl Med Assoc** 1984 Nov;76(11):1063-7

Myasthenia gravis and HLA antigens in American blacks and other races. Christiansen FT, et al. **J Neuroimmunol** 1984 Dec;7(2-3):121-9

HLA antigens in multiple sclerosis in coloured South Africans. Fewster ME, et al. **J Neurol Sci** 1984 Nov-Dec; 66(2-3):175-81

A racial difference in serum vitamin B12 levels. Kwee HG, et al. **J Nucl Med** 1985 Jul;26(7):790-2

Racial predilection of ameloblastoma? A probable answer from Lagos (Nigeria) and Richmond, Virginia (U.S.A.). Sawyer DR, et al. **J Oral Med** 1985 Jan-Mar;40(1):27-31

Cancer in blacks, whites and Asians in a British hospital. Potter JF, et al. **J R Coll Physicians Lond** 1984 Oct; 18(4):231-5

A significant increase of HLA-DR3 and DR2 in systemic lupus erythematosus among blacks. Kachru RB, et al. **J Rheumatol** 1984 Aug;11(4):471-4

Association of HLA-DR7 with both antibody to SSA(Ro) and disease susceptibility in blacks with systemic lupus erythematosus. Wilson WA, et al. **J Rheumatol** 1984 Oct; 11(5):653-7

Metastasizing basal cell carcinoma developing in a gunshot wound in a black man. Lambert WC, et al. **J Surg Oncol** 1984 Oct;27(2):97-105

Comparison of normal values of sodium and potassium in plasma of adult Nigerians with those of adult Europeans. Nduka N, et al. **J Trop Med Hyg** 1985 Feb;88(1):37-9

Racial differences in breast cancer patients. Ownby HE, et al. **JNCI** 1985 Jul;75(1):55-60

Racial variation in incidence of Wilms' tumor: relationship to congenital anomalies. Kramer S, et al. **Med Pediatr Oncol** 1984;12(6):401-5

Prevalence of Parkinson's disease in the biracial population of Copiah County, Mississippi. Schoenberg BS, et al. **Neurology** 1985 Jun;35(6):841-5

Sarcoidosis: focus on the black patient. Daniele RP. **NY State J Med** 1985 Apr;85(4):162-3

Gastrointestinal malignancies in black Americans. McBride W, et al. **NY State J Med** 1985 Apr;85(4):157-9

Hypertension in blacks. Is it a different disease? Meggs LG. **NY State J Med** 1985 Apr;85(4):160-1

Prenatal care and perinatal mortality in a black population. Rahbar F, et al. **Obstet Gynecol** 1985 Mar;65(3):327-9

Is there a racial difference in physiologic cup size? Beck RW, et al. **Ophthalmology** 1985 Jul;92(7):873-6

Resting blood pressure and pulse rate distributions in black adolescents: The Philadelphia Blood Pressure Project. Hediger ML, et al. **Pediatrics** 1984 Dec;74(6):1016-21

Palpebral fissure length in black and Hispanic children: correlation with head circumference. Iosub S, et al. **Pediatrics** 1985 Feb;75(2):318-20

Management of ganglia in blacks [letter] Ofodile FA. **Plast Reconstr Surg** 1985 Jan;75(1):135-6

Three examples of anti-Fy3 produced in Negroes. Kosinski KS, et al. **Rev Fr Transfus Immunohematol** 1984 Oct; 27(5):619-24

Heterogeneity in expression of the T4 epitope in black individuals. Stohl W, et al. **Scand J Immunol** 1984 Sep; 20(3):273-8

Race, height, and blood pressure in Northeastern Brazil. Barbosa CA, et al. **Soc Biol** 1983 Summer;30(2):211-7

Comparison of the effectiveness of a beta blocker (atenolol) and a diuretic (chlorthalidone) in black hypertensive patients. Grell GA, et al. **South Med J** 1984 Dec; 77(12):1524-9

Race, age, and pernicious anemia. Houston GA, et al. **South Med J** 1985 Jan;78(1):69-70

Sarcoidosis in the West African. A report of eight Nigerian patients with cutaneous lesions. Jacyk WK. **Trop Geogr Med** 1984 Sep;36(3):231-6

Health indicators for Hispanic, black, and white Americans. Trevino FM, et al. **Vital Health Stat [10]** 1984 Sep; (148):1-88

[Becoming sedentary, acculturation and infectious diseases: socio-ecological problems of the Bayaka Pygmies] Heymer A. **Bull Soc Pathol Exot Filiales** 1985;78(2):226-38 (Eng. Abstr.) **(Fre)**

[Delivery of black African women in France] Pigné A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(7):812-6 (Eng. Abstr.) **(Fre)**

[Bi-parietal diameter of the black African child] Wolf JP, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984; 13(7):817-20 (Eng. Abstr.) **(Fre)**

[Seroanthropological studies of albino and melanoderm Bamiléké populations (Cameroon). ABO and Rhesus erythrocyte groups, hemoglobin S and taste sensitivity to phenylthiocarbamide] Aquaron R, et al. **Med Trop (Mars)** 1984 Oct-Dec;44(4):311-8 (Eng. Abstr.) **(Fre)**

[Diagnosis of skin diseases in Negroes in Africa] Koźmińska-Kubarska A. **Pol Tyg Lek** 1984 Apr 23; 39(17):587-91 (10 ref.) **(Pol)**

NEIGHBORHOOD HEALTH CENTERS see **COMMUNITY HEALTH CENTERS**

NEISSERIA

Amoxicillin-clavulanic acid in the treatment of lower respiratory tract infections caused by beta-lactamase-positive Haemophilus influenzae and Branhamella catarrhalis. Wallace RJ Jr, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):912-5

Neisseria subflava bacteremia and meningitis in a child: report of a case and review of the literature. Demmler GJ, et al. **Pediatr Infect Dis** 1985 May-Jun;4(3):286-8

CLASSIFICATION

Rapid enzyme system for the identification of pathogenic Neisseria spp. Brown JD, et al. **J Clin Microbiol** 1985 May; 21(5):857-8

Evaluation of a rapid identification method for Neisseria spp. Germer JJ, et al. **J Clin Microbiol** 1985 Jun;21(6):987-8

Comparative evaluation of five commercial systems for the rapid identification of pathogenic Neisseria species. Philip A, et al. **J Clin Microbiol** 1985 Jul;22(1):101-4

Differentiation of Neisseria gonorrhoeae from other Neisseria species by use of the restriction endonuclease HaeIII. Torres AR, et al. **J Clin Microbiol** 1984 Oct;20(4):687-90

Evaluation of Gonochek-II as a rapid identification system for pathogenic Neisseria species. Welborn PP, et al. **J Clin Microbiol** 1984 Oct;20(4):680-3

DRUG EFFECTS

Activity of common antibiotics against Branhamella catarrhalis, Haemophilus influenzae, pneumococci, group A streptococci and Staphylococcus aureus in 1983. Forsgren A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 407:43-9

Multiresistance plasmid from commensal Neisseria strains. Pintado C, et al. **Antimicrob Agents Chemother** 1985 Jan; 27(1):120-4

In vitro susceptibilities of isolates from patients with Branhamella catarrhalis pneumonia compared with those of colonizing strains. Sweeney KG, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):499-502

In vitro activity of ciprofloxacin against Bacteroides, Haemophilus influenzae and Branhamella catarrhalis [letter] Olsson-Liljequist B. **Eur J Clin Microbiol** 1984 Aug; 3(4):370-1

beta-Lactamase susceptibility and comparative activity of Sch 34343 and other beta-lactams for non-fermenters, Neisseria spp. and beta-lactamase-positive Enterobacteriaceae. Mouton RP, et al. **J Antimicrob Chemother** 1985 Jun;15 Suppl C:111-7

[Sensitivity of Neisseria polysacchareae to antibiotics] Dabernat H, et al. **Ann Inst Pasteur Microbiol** 1985 Mar-Apr;136A(2):233-9 (Eng. Abstr.) **(Fre)**

[Antibiotic sensitivity of Branhamella catarrhalis isolated from respiratory tract infections] Nishioka K, et al. **Jpn J Antibiot** 1984 Jul;37(7):1289-93 (Eng. Abstr.) **(Jpn)**

GENETICS

Plasmids in throat and genital isolates of meningococci. Ison CA, et al. **J Clin Pathol** 1984 Oct;37(10):1123-8

Conjugation of plasmids of Neisseria gonorrhoeae to other Neisseria species: potential reservoirs for the beta-lactamase plasmid. Genco CA, et al. **J Infect Dis** 1984 Sep;150(3):397-401

ISOLATION & PURIFICATION

Neisseria sicca pneumonia. Report of two cases and review of the literature. Gilrane T, et al. **Am J Med** 1985 Jun;78(6 Pt 1):1038-40

Septic arthritis of the knee due to Neisseria mucosa. Abiteboul M, et al. **Clin Rheumatol** 1985 Mar;4(1):83-5

Severe respiratory infection with Branhamella catarrhalis in an African child. Bogaerts J, et al. **Eur J Pediatr** 1985 Mar; 143(4):303-4

Proctitis associated with Neisseria cinerea misidentified as Neisseria gonorrhoeae in a child. Dossett JH, et al. **J Clin Microbiol** 1985 Apr;21(4):575-7

Evaluation of the RIM-N, Gonochek II, and Phadebact systems for the identification of pathogenic Neisseria spp. and Branhamella catarrhalis. Janda WM, et al. **J Clin Microbiol** 1985 May;21(5):734-7

Evaluation of a one-hour test for the identification of Neisseria species. Lairscey RC, et al. **J Clin Microbiol** 1985 Aug;22(2):238-40

Branhamella catarrhalis prevalence in a hospital population. Ahmad F, et al. **J Hosp Infect** 1985 Mar;6(1):71-4

Carriage of Neisseria meningitidis and Neisseria lactamica in a school population during an epidemic period in Spain. Saez-Nieto JA, et al. **J Hyg (Lond)** 1985 Jun;94(3):279-88

Urinary tract infection caused by Branhamella catarrhalis [letter] Ahmad F, et al. **J Infect** 1985 Mar;10(2):176-7

Isolation of Neisseria elongata and of Capnocytophaga ochracea from vaginal specimens [letter] Miller K, et al. **J Infect** 1985 Mar;10(2):174-5

Unsuspected bacteremia caused by Branhamella catarrhalis. Baron J, et al. **Pediatr Infect Dis** 1985 Jan-Feb;4(1):100-1

[Neisseria mucosa in a patient with a herpetic infection] Gini G. **Rev Latinoam Microbiol** 1984 Oct-Dec;26(4):295-7 (Eng. Abstr.) **(Spa)**

METABOLISM

Sulphur nutrition and metabolism in various species of Neisseria. Le Faou A. **Ann Microbiol (Paris)** 1984 Jul-Aug; 135B(1):3-11

Nosocomial pneumonia caused by a glucose-metabolizing strain of Neisseria cinerea. Boyce JM, et al. **J Clin Microbiol** 1985 Jan;21(1):1-3

PATHOGENICITY

Pathogenicity of Branhamella catarrhalis. Schreiner A. **Acta Otolaryngol [Suppl] (Stockh)** 1984;407:40-2

[Characteristics of nonpathogenic Neisseria and Branhamella catarrhalis based on cytopathogenicity] Galeeva OP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Aug;(8):44-7 (Eng. Abstr.) **(Rus)**

NEISSERIA GONORRHOEAE

Gonococcal endocarditis: a case series demonstrating modern presentation of an old disease. Fernandez GC, et al. **Am Heart J** 1984 Nov;108(5):1326-34

Effects of different bacterial endotoxins on the drinking behaviour of the rat. Foca' A, et al. **G Batteriol Virol Immunol** 1984 Jan-Jun;77(1-6):9-18

Anaerobiosis increases resistance of Neisseria gonorrhoeae to O2-independent antimicrobial proteins from human polymorphonuclear granulocytes. Casey SG, et al. **Infect Immun** 1985 Feb;47(2):401-7

Comparison of microscopy, culture and enzyme immunoassay (Gonozyme) for the detection of Neisseria gonorrhoeae in urogenital specimens. Sobczak H, et al. **J Med Microbiol** 1984 Oct;18(2):271-6

[Intradermal test with gonococcal allergen in patients with gonorrhea] Bednova VN, et al. **Vestn Dermatol Venerol** 1984 Oct;(10):28-30 (Eng. Abstr.) **(Rus)**

ANALYSIS

Analyses of gonococcal lipopolysaccharide in whole-cell lysates by sodium dodecyl sulfate-polyacrylamide gel electrophoresis: stable association of lipopolysaccharide with the major outer membrane protein (protein I) of Neisseria gonorrhoeae. Hitchcock PJ. **Infect Immun** 1984 Oct;46(1):202-12

Structure and surface exposure of protein IIs of Neisseria gonorrhoeae JS3. Judd RC. **Infect Immun** 1985 May; 48(2):452-7

Purification and antigenic relatedness of proteins II of Neisseria gonorrhoeae. Newhall WJ5th, et al. **Infect Immun** 1985 Sep;49(3):576-80

Analysis of Neisseria gonorrhoeae peptidoglycan by reverse-phase, high-pressure liquid chromatography. Dougherty TJ. **J Bacteriol** 1985 Jul;163(1):69-74

A study by high-resolution two-dimensional polyacrylamide gel electrophoresis of relationships between Neisseria gonorrhoeae and other bacteria. Jackson P, et al. **J Gen Microbiol** 1984 Dec;130 (Pt 12):3189-201

Monoclonal antibody activity against native and denatured forms of gonococcal outer membrane proteins as detected within ultrathin, longitudinal slices of polyacrylamide gels. Poolman JT, et al. **J Immunol Methods** 1984 Dec 31; 75(2):265-74

Antibodies to peptides corresponding to a conserved sequence of gonococcal pilins block bacterial adhesion. Rothbard JB, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):915-9

CLASSIFICATION

Genomic fingerprinting in the epidemiology of gonorrhoea. Falk ES, et al. **Acta Derm Venereol (Stockh)** 1985; 65(3):235-9

Gonococcal serovar distribution in Stockholm, with special reference to multiple infections and infected partners. Bäckman M, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Jun; 93(3):225-32

Serogrouping Neisseria gonorrhoeae: correlation of coagglutination serogroup WII with homosexually acquired infection. Reid KG, et al. **Br J Vener Dis** 1984 Oct;60(5):302-5

Evaluation of GonoGen coagglutination test for serodiagnosis of Neisseria gonorrhoeae: identification of problem isolates by auxotyping, serotyping, and with a fluorescent antibody reagent. Minshew BH, et al. **Diagn Microbiol Infect Dis** 1985 Jan;3(1):41-6

Auxotypes and serogroups of penicillinase producing and non-producing strains of Neisseria gonorrhoeae isolated in Franceville, Gabon. Yvert F, et al. **Genitourin Med** 1985 Apr;61(2):99-102

Comparative evaluation of five commercial systems for the rapid identification of pathogenic Neisseria species. Philip A, et al. **J Clin Microbiol** 1985 Jul;22(1):101-4

Differentiation of Neisseria gonorrhoeae from other Neisseria species by use of the restriction endonuclease HaeIII. Torres AR, et al. **J Clin Microbiol** 1984 Oct;20(4):687–90

Correlation of auxotype and protein I type with expression of disease due to Neisseria gonorrhoeae. Brunham RC, et al. **J Infect Dis** 1985 Aug;152(2):339–43

DRUG EFFECTS

Susceptibility of penicillinase-producing Neisseria gonorrhoeae in Ibadan to cefoxitin. Ogunbanjo BO, et al. **Afr J Med Med Sci** 1984 Sep–Dec;13(3–4):151–4

Effect of a topical contraceptive on endocervical culture for Neisseria gonorrhoeae. Livengood CH 3d, et al. **Am J Obstet Gynecol** 1984 Oct 1;150(3):319–20

In vitro susceptibility of Neisseria gonorrhoeae to 2-acetylpyridine thiosemicarbazones. Christenson B, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):570–3

In vitro antimicrobial susceptibilities of penicillinase-producing and non-penicillinase-producing strains of Neisseria gonorrhoeae isolated in Durban, South Africa. Coovadia YM, et al. **Antimicrob Agents Chemother** 1984 Nov;26(5):770–2

Involvement of a change in penicillin target and peptidoglycan structure in low-level resistance to beta-lactam antibiotics in Neisseria gonorrhoeae. Dougherty TJ. **Antimicrob Agents Chemother** 1985 Jul;28(1):90–5

Influence of inoculum size on comparative susceptibilities of penicillinase-positive and -negative Neisseria gonorrhoeae to 31 antimicrobial agents. Hall WH, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):192–5

In vitro activities of the spectinomycin analog U-63366 and four quinolone derivatives against Neisseria gonorrhoeae. Peeters M, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):608–9

Antimicrobial susceptibility of Neisseria gonorrhoeae isolated in Durban, South Africa. Coovadia YM, et al. **Br J Vener Dis** 1984 Oct;60(5):306–8

Activity of ciprofloxacin against genital tract pathogens. Hart CA, et al. **Br J Vener Dis** 1984 Oct;60(5):316–8

Susceptibility to antimicrobials of Neisseria gonorrhoeae isolated in Singapore: implications on the need for more effective treatment regimens and control strategies. Sng EH, et al. **Br J Vener Dis** 1984 Dec;60(6):374–9

A role for sulfite in inducing surface changes in Neisseria gonorrhoeae. Norrod EP. **Can J Microbiol** 1984 Oct;30(10):1297–301

Repeated exposition to subinhibitory concentrations of antibiotic in vitro readily decreases susceptibility of Neisseria gonorrhoeae to rifampicin, but not to new cephalosporins and penicillin G. Korting HC, et al. **Chemotherapy** 1984;30(6):366–72

In vitro activity of temocillin against Neisseria gonorrhoeae including penicillinase-producing strains. Jephcott AE, et al. **Drugs** 1985;29 Suppl 5:18–23

Comparison of bacteriostatic and bactericidal inhibitors of Neisseria gonorrhoeae growth produced in vitro by urogenital staphylococci. Bisaillon JG, et al. **Exp Biol** 1985;43(4):231–42

Inhibitory effects of mannose and N-acetylneuraminic acid on the envelope and the adherence of a Neisseria gonorrhoeae isolate to rabbit mesentery. Jacques M, et al. **Exp Biol** 1985;43(4):257–62

Effect of subminimal inhibitory concentrations of antibiotics on adherence of Neisseria gonorrhoeae in an experimental model. Jacques M, et al. **Exp Biol** 1985;43(4):251–6

Testing sensitivity of Neisseria gonorrhoeae to spectinomycin. Hilton JM, et al. **Genitourin Med** 1985 Aug;61(4):241–3

Influence of protein synthesis inhibitors on regulation of extent of O-acetylation of gonococcal peptidoglycan. Rosenthal RS, et al. **Infect Immun** 1985 Jul;49(1):7–13

Loss of pili and decreased attachment to human cells by Neisseria meningitidis and Neisseria gonorrhoeae exposed to subinhibitory concentrations of antibiotics. Stephens DS, et al. **Infect Immun** 1984 Nov;46(2):507–13

Differentiation of fluorinated quinolone antibacterials with Neisseria gonorrhoeae isolates. Rohlfing SR, et al. **J Antimicrob Chemother** 1985 May;15(5):539–44

Comparison of microdilution and agar dilution procedures for testing antibiotic susceptibility of Neisseria gonorrhoeae. Shapiro MA, et al. **J Clin Microbiol** 1984 Oct;20(4):828–30

Curing gonococci of beta-lactamase production with ethidium, acridius orange or acriflavine. Hafiz S, et al. **JPMA** 1985 Jun;35(6):171–4

Tetracycline-resistant Neisseria gonorrhoeae—Georgia, Pennsylvania, New Hampshire. **MMWR** 1985 Sep 20;34(37):563–4, 569–70

Changing trends in gonococcal antibiotic resistance in the United States, 1983–1984. Rice RJ, et al. **MMWR CDC Surveill Summ** 1984;33(4):11SS–15SS

A community-based outbreak of infection with penicillin-resistant Neisseria gonorrhoeae not producing penicillinase (chromosomally mediated resistance). Faruki H, et al. **N Engl J Med** 1985 Sep 5;313(10):607–11

In vitro susceptibility of Neisseria gonorrhoeae to cefuroxime, penicillin, and tetracycline in Denmark–1979. Bollerup AC. **Sex Transm Dis** 1984 Oct–Dec;11(4):308–11

Susceptibility of Neisseria gonorrhoeae to rifampicin and thiamphenicol: correlation with protein I antigenic determinants. Bygdeman SM, et al. **Sex Transm Dis** 1984 Oct–Dec;11(4 Suppl):366–70

In-vitro susceptibility of Neisseria gonorrhoeae to thiamphenicol: results for selected groups of strains from different geographic areas and from different times. Lind I. **Sex Transm Dis** 1984 Oct–Dec;11(4 Suppl):360–3

Susceptibility of different auxotypes of Neisseria gonorrhoeae to norfloxacin, cefotaxime, cefuroxime, and erythromycin. Noble RC, et al. **Sex Transm Dis** 1984 Jul–Sep;11(3):152–5

Activity of thiamphenicol against Chlamydia trachomatis and Neisseria gonorrhoeae. Ridgway GL, et al. **Sex Transm Dis** 1984 Oct–Dec;11(4 Suppl):432–4

Plasmid patterns and in-vitro susceptibility of penicillinase-producing Neisseria gonorrhoeae with emphasis on thiamphenicol: results of surveillance in The Netherlands. van Klingeren B, et al. **Sex Transm Dis** 1984 Oct–Dec;11(4 Suppl):364–5

Sensitivity pattern and beta-lactamase screening of Neisseria gonorrhoeae strains isolated in Zaria, Northern Nigeria. Joshi RM, et al. **Trop Geogr Med** 1985 Mar;37(1):74–6

Inhibition of Neisseria meningitidis by alpha-amylase. Berger U. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Dec;258(2–3):156–8

[Tobramycin sensitivity of Neisseria gonorrhoeae] Füzi M. **Orv Hetil** 1985 Mar 10;126(10):575–6 (Eng. Abstr.) **(Hun)**

[Strains of Neisseria gonorrhoeae resistant to penicillin and penicillinase-producers. Study of in vitro sensitivity to third generation cephalosporin] Monti M, et al. **G Ital Dermatol Venereol** 1984 Sep–Oct;119(5):305–8 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Penicillinase producing gonococci. Mason PR, et al. **Cent Afr J Med** 1984 Dec;30(12):238–41

Preputial abscesses caused by beta-lactamase-producing gonococci. Neubert U, et al. **Cutis** 1985 Aug;36(2):161–3

Quantitative determination of catalase activity produced by Neisseria gonorrhoeae, Staphylococcus epidermidis, Neisseria meningitidis and other bacterial strains using the Catalasemeter. Bisaillon JG, et al. **Exp Biol** 1985;43(4):225–30

Penicillinase producing strains of Neisseria gonorrhoeae in the West Midlands 1979–83. Clay JC. **Genitourin Med** 1985 Aug;61(4):234–40

Penicillinase producing strains of Neisseria gonorrhoeae in Madrid [letter] Vázquez J, et al. **Genitourin Med** 1985 Apr;61(2):139

Penicillinase producing strains of Neisseria gonorrhoea from Chandigarh. Sharma M, et al. **Indian J Med Res** 1984 Nov;80:512–5

A new beta-lactamase plasmid in Neisseria gonorrhoeae [letter] Van Embden JD, et al. **J Antimicrob Chemother** 1985 Feb;15(2):247–50

Identity of Escherichia coli D-1-amino-2-propanol:NAD+ oxidoreductase with E. coli glycerol dehydrogenase but not with Neisseria gonorrhoeae 1,2-propanediol:NAD+ oxidoreductase. Kelley JJ, et al. **J Bacteriol** 1985 Apr;162(1):170–5

Characterization and amino acid sequence of Neisseria gonorrhoeae dihydrofolate reductase. Baccanari DP, et al. **J Biol Chem** 1984 Oct 10;259(19):12291–8

Species-specific irreversible inhibition of Neisseria gonorrhoeae dihydrofolate reductase by a substituted 2,4-diamino-5-benzylpyrimidine. Tansik RL, et al. **J Biol Chem** 1984 Oct 10;259(19):12299–305

Penicillinase-producing Neisseria gonorrhoeae: epidemiology, antimicrobial susceptibility and plasmid types. Goh BT, et al. **J Infect** 1985 Jul;11(1):63–9

Rapid identification of penicillinase-producing Neisseria gonorrhoeae by detection of beta-lactamase in urethral exudates. Taylor DN, et al. **Lancet** 1985 Sep 21;2(8456):625–6

Penicillinase producing strains of Neisseria gonorrhoeae in Pretoria [letter] Crewe-Brown HH, et al. **S Afr Med J** 1985 Feb 2;67(5):159

Conjunctivitis caused by beta-lactamase-producing Neisseria gonorrhoeae. Pareek SS. **Sex Transm Dis** 1985 Jul–Sep;12(3):159–60

In-vitro stability of beta-lactam antibiotics to hydrolysis by beta-lactamases of Neisseria gonorrhoeae from Southeast Asia. Wong PC, et al. **Sex Transm Dis** 1985 Jul–Sep;12(3):128–34

[Epidemiological surveillance of beta-lactamase-producing gonococci. II—Characterization of plasmids of 66 strains isolated in France (May 1979–March 1983)] Labidi A, et al. **Pathol Biol (Paris)** 1984 Dec;32(10):1013–8 (Eng. Abstr.) **(Fre)**

[Isolation of penicillinase-producing Neisseria gonorrhoeae from a foreign male patient] Füzi M, et al. **Orv Hetil** 1984 Sep 9;125(37):2253–5 (Eng. Abstr.) **(Hun)**

[The incidence of beta-lactamase-producing streptomycin-resistant Neisseria gonorrhoeae in Hungary] Vajda Z, et al. **Orv Hetil** 1984 Sep 23;125(39):2371–2, 2375–6 (Eng. Abstr.) **(Hun)**

GENETICS

Phenotypic and genotypic characterization of penicillinase-producing strains of Neisseria gonorrhoeae. Falk ES, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Apr;93(2):91–7

Restriction endonuclease fingerprinting of chromosomal DNA of Neisseria gonorrhoeae. Falk ES, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Oct;92(5):271–8

The genetics of the gonococcus. Cannon JG, et al. **Annu Rev Microbiol** 1984;38:111–33 (185 ref.)

Genetic analysis of spontaneous resistance to ampicillin in Neisseria gonorrhoeae. Jones F, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):21–7

Role of chromosomal rearrangement in N. gonorrhoeae pilus phase variation. Segal E, et al. **Cell** 1985 Feb;40(2):293–300

Cloning of the gene for the common pathogenic Neisseria H.8 antigen from Neisseria gonorrhoeae. Black WJ, et al. **Infect Immun** 1985 Jan;47(1):322–5

Variation of Neisseria gonorrhoeae protein II among isolates from an outbreak caused by a single gonococcal strain. Schwalbe RS, et al. **Infect Immun** 1985 Jul;49(1):250–2

Mutagenesis of Neisseria gonorrhoeae: absence of error-prone repair. Campbell LA, et al. **J Bacteriol** 1984 Oct;160(1):288–93

Cryptic plasmid of Neisseria gonorrhoeae: complete nucleotide sequence and genetic organization. Korch C, et al. **J Bacteriol** 1985 Aug;163(2):430–8

Type III 5-methylcytosine modification of DNA in Neisseria gonorrhoeae. Korch C, et al. **J Bacteriol** 1985 Mar;161(3):1236–7

Pilus- gonococcal variants. Evidence for multiple forms of piliation control. Swanson J, et al. **J Exp Med** 1985 Aug 1;162(2):729–44

On the role of pili in transformation of Neisseria gonorrhoeae. Mathis LS, et al. **J Gen Microbiol** 1984 Dec;130 (Pt 12):3165–73

Conjugation of plasmids of Neisseria gonorrhoeae to other Neisseria species: potential reservoirs for the beta-lactamase plasmid. Genco CA, et al. **J Infect Dis** 1984 Sep;150(3):397–401

Evaluation of a DNA-hybridization method for detection of African and Asian strains of Neisseria gonorrhoeae in men with urethritis. Perine PL, et al. **J Infect Dis** 1985 Jul;152(1):59–63

Plasmid profiles of penicillinase-producing Neisseria gonorrhoeae isolated in Fukuoka, Japan. Yoshida S, et al. **Microbiol Immunol** 1984;28(8):955–9

Emergence in Italy of a PPNG strain carrying 'Asia' plasmid. Bondi M, et al. **Microbiologica** 1984 Jul;7(3):257–61

Pilus genes of Neisseria gonorrheae: chromosomal organization and DNA sequence. Meyer TF, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6110–4

Introductory address: resistance to antimicrobial agents. What next for Neisseria gonorrhoeae? Dillon JR, et al. **Sex Transm Dis** 1984 Oct–Dec;11(4 Suppl):353–9 (40 ref.)

Construction and characterization of chimeric beta-lactamase plasmids of Neisseria gonorrhoeae with altered ability to be mobilized during conjugation. Tenover FC, et al. **Sex Transm Dis** 1985 Apr–Jun;12(2):76–82

GROWTH & DEVELOPMENT

Production, purification, and preliminary characterization of a gonococcal growth inhibitor produced by a coagulase-negative staphylococcus isolated from the urogenital flora. Beaudet R, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):277–83

Growth inhibition of Neisseria gonorrhoeae isolates by L-phenylalanine and its analogues in defined media. Hendry AT, et al. **Can J Microbiol** 1984 Nov;30(11):1319–25

In vitro inhibition of Neisseria gonorrhoeae growth by a urogenital strain of Streptococcus faecalis. Dubreuil D, et al. **Exp Biol** 1985;43(4):243–50

Chemical and biological characterization of a gonococcal growth inhibitor produced by Staphylococcus haemolyticus isolated from urogenital flora. Frenette M, et al. **Infect Immun** 1984 Nov;46(2):340–5

Anaerobic growth of Neisseria gonorrhoeae coupled to nitrite reduction. Knapp JS, et al. **Infect Immun** 1984 Oct;46(1):176–81

Plasmid prophiles and auxotrophy of Neisseria gonorrhoeae from Israel. Sompolinsky D, et al. **Isr J Med Sci** 1985 Jan;21(1):69–71

Host-parasite interactions influencing establishment of gonococcal infection—a paradox resolved? Winstanley FP, et al. **J Clin Lab Immunol** 1984 Aug;14(4):169–71

Preparation and stability of freeze-dried Neisseria gonorrhoeae cultures used for external quality control. Mehaffey MA, et al. **J Clin Microbiol** 1984 Dec;20(6):1126–9

Turnover of the cell wall peptidoglycan during growth of Neisseria gonorrhoeae and Escherichia coli. Relative stability of newly synthesized material. Greenway DL, et al. **J Gen Microbiol** 1985 Feb;131 (Pt 2):253–63

Effects of Mycoplasma hominis on in-vitro studies of Neisseria gonorrhoeae. Alfa MJ, et al. **Sex Transm Dis** 1985 Jul–Sep;12(3):103–9

In vitro inhibition of growth of Neisseria gonorrhoeae by Neisseria meningitidis isolated from the pharynx of homosexual men. Bisaillon JG, et al. **Sex Transm Dis** 1984 Oct–Dec;11(4):296–300

[A new transport and concentrating procedure for the detection of Neisseria gonorrhoeae] Gernand K, et al. **Dermatol Monatsschr** 1985;171(1):45–9 (Eng. Abstr.) **(Ger)**

[Usefulness of commercial culture media for gonococcal diagnosis in general practice. Comparative study of various test systems] Genzmer U, et al. **Hautarzt** 1984 Oct; 35(10):517-21 (Eng. Abstr.) (Ger)

IMMUNOLOGY

Purification of anti-lactose antibodies from antisera to Neisseria gonorrhoeae and Neisseria meningitidis. Brakstad OG, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Jun;93(3):143-4

Affinity chromatography for purification of antibodies to Neisseria gonorrhoeae and Neisseria meningitidis lipopolysaccharides. Rødahl E, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Oct; 92(5):247-54

Stable serum resistance of Neisseria gonorrhoeae as an epidemiological marker. Lavitola A, et al. **Br J Vener Dis** 1984 Oct;60(5):298-301

Development of a gonorrhoea vaccine: prospects, strategies and tactics. Gotschlich EC. **Bull WHO** 1984;62(5):671-80

Prevalence of antibodies to Chlamydia trachomatis, Neisseria gonorrhoeae, and Mycoplasma hominis in infertile women. Tjiam KH, et al. **Genitourin Med** 1985 Jun;61(3):175-8

Ultrastructural localization of specific gonococcal macromolecules with antibody-gold sphere immunological probes. Robinson EN Jr, et al. **Infect Immun** 1984 Nov; 46(2):361-6

Modified enzyme immunoassay for detecting Neisseria gonorrhoeae antigens. Papasian CJ, et al. **J Clin Microbiol** 1984 Oct;20(4):641-3

Antigenic analysis of gonococcal pili using monoclonal antibodies. Edwards M, et al. **J Exp Med** 1984 Dec 1; 160(6):1782-91

A solid-phase enzyme immunoassay in detection of cervical gonorrhea in a low-prevalence population. Bronken TP, et al. **J Fam Pract** 1985 Jan;20(1):43-8

Association of resistance of Neisseria gonorrhoeae to killing by human phagocytes with outer-membrane proteins of about 20 kilodaltons. Parsons NJ, et al. **J Gen Microbiol** 1985 Mar;131 (Pt 3):601-10

Red blood cells, a source of factors which induce Neisseria gonorrhoeae to resistance to complement-mediated killing by human serum. Patel PV, et al. **J Gen Microbiol** 1984 Nov;130 (Pt 11):2767-70

Fractionation of guinea pig serum for an inducer of gonococcal resistance to killing by human serum: active fractions containing glucopeptides similar to those from human red blood cells. Patel PV, et al. **J Gen Microbiol** 1984 Nov;130 (Pt 11):2757-66

Monoclonal antibodies directed against gonococcal protein I vary in bactericidal activity. Joiner KA, et al. **J Immunol** 1985 May;134(5):3411-9

Bactericidal but not nonbactericidal C5b-9 is associated with distinctive outer membrane proteins in Neisseria gonorrhoeae. Joiner KA, et al. **J Immunol** 1985 Mar; 134(3):1920-5

Neisserial antigen H.8 is immunogenic in patients with disseminated gonococcal and meningococcal infections. Black JR, et al. **J Infect Dis** 1985 Apr;151(4):650-7

Opsonophagocytosis of Neisseria gonorrhoeae: interaction of local and disseminated isolates with complement and neutrophils. Ross SC, et al. **J Infect Dis** 1985 Jan; 151(1):33-41

The sixth C. L. Oakley lecture. Molecular studies on the pathogenesis of gonorrhoea. Heckels JE. **J Med Microbiol** 1984 Dec;18(3):293-307 (36 ref.)

The systematic serology of Neisseria gonorrhoeae: antigens associated with pathogenesis in Neisseria spp. from man. Saikh KU, et al. **J Med Microbiol** 1984 Dec;18(3):347-54

Bactericidal antibodies against Neisseria gonorrhoeae elicited by Neisseria meningitidis [letter] Cremieux AC, et al. **Lancet** 1984 Oct 20;2(8408):930

Intragenic recombination leads to pilus antigenic variation in Neisseria gonorrhoeae. Hagblom P, et al. **Nature** 1985 May 9-15;315(6015):156-8

Antigenic variation in gonococcal pili explained [news] Saunders JR. **Nature** 1985 May 9-15;315(6015):100-1

[Gonococcal surface antigens and their significance for serotyping and vaccines] Kohl PK, et al. **Hautarzt** 1985 Jun;36(6):320-5 (38 ref.) (Eng. Abstr.) (Ger)

[Isolation of the high-molecular fraction of soluble substances in gonococci] Belova TN, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):17-21 (Eng. Abstr.) (Rus)

[Physicochemical and biological properties of the gonococcal allergen] Runova VF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Apr;(4):85-8 (Rus)

ISOLATION & PURIFICATION

Gonococcus detection by enzyme immunoassay [letter] Finkle HI, et al. **Am J Clin Pathol** 1985 Sep;84(3):409-11

Evaluation of the RIM system and Gono Gen test for identification of Neisseria gonorrhoeae from clinical specimens. Robinson A, et al. **Diagn Microbiol Infect Dis** 1985 Mar;3(2):125-30

Prepartal infection of the placenta with Neisseria gonorrhoeae. Yvert F, et al. **Genitourin Med** 1985 Apr; 61(2):103-5

Laboratory and clinical evaluation of modified New York City medium (Henderson formulation) for the isolation of Neisseria gonorrhoeae. Anstey RJ, et al. **J Clin Microbiol** 1984 Nov;20(5):905-8

Proctitis associated with Neisseria cinerea misidentified as Neisseria gonorrhoeae in a child. Dossett JH, et al. **J Clin Microbiol** 1985 Apr;21(4):575-7

Comparison of the effect of refrigerated versus room temperature media on the isolation of Neisseria gonorrhoeae from genital specimens. Ratner HB, et al. **J Clin Microbiol** 1985 Jan;21(1):127-8

Immunological identification of Neisseria gonorrhoeae with monoclonal and polyclonal antibody coagglutination reagents. Young H, et al. **J Clin Pathol** 1984 Nov; 37(11):1276-81

Screening for Chlamydia trachomatis and Neisseria gonorrhoeae in adolescent males: value of first-catch urine examination. Adger H, et al. **Lancet** 1984 Oct 27; 2(8409):944-5

The co-existence of genital Mycoplasma and Neisseria gonorrhoeae isolated from the male urethra. Alfa MJ, et al. **Sex Transm Dis** 1984 Jul-Sep;11(3):131-6

Single-site infection with Neisseria gonorrhoeae in homosexual men. Carlson BL, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4):312-3

Diagnosis of gonorrhea by gram-stained smears and cultures in men and women: role of the urethral smear. Goh BT, et al. **Sex Transm Dis** 1985 Jul-Sep;12(3):135-9

Acute salpingitis and thiamphenicol: a microbiologic and therapeutic study. Kunz J, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4 Suppl):449-53

Urine as a holding medium for Neisseria gonorrhoeae. Rosey CE, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4):301-3

[Epidemiologic approach to gonococcal infections in Senegal through the study of auxotypes] Buisson Y, et al. **Bull Soc Pathol Exot Filiales** 1984;77(5):617-27 (Eng. Abstr.) (Fre)

[Value of the immunofluorescence method in the bacteriological diagnosis of gonorrhea. I. Detection of gonococci in secretions by the direct IF test] Selibórska Z. **Przegl Dermatol** 1984 May-Jun;71(3):231-6 (Eng. Abstr.) (Pol)

[Value of the immunofluorescence method in the bacteriological diagnosis of gonorrhea. II. Detection of gonococci in culture by the IF test] Selibórska Z. **Przegl Dermatol** 1984 May-Jun;71(3):237-44 (Eng. Abstr.) (Pol)

[Gonorrhea in women using intrauterine contraceptive devices] Péč J, et al. **Bratisl Lek Listy** 1985 Aug; 84(2):215-20 (Eng. Abstr.) (Slo)

[Possibilities of Neisseria gonorrhoeae ascending into the upper parts of the uropoietic tract] Péč J, et al. **Bratisl Lek Listy** 1985 Feb;83(2):150-5 (Eng. Abstr.) (Slo)

METABOLISM

Response of Neisseria gonorrhoeae to iron limitation: alterations in expression of membrane proteins without apparent siderophore production. West SE, et al. **Infect Immun** 1985 Feb;47(2):388-94

PATHOGENICITY

Attachment to and invasion of human fallopian tube mucosa by an IgA1 protease-deficient mutant of Neisseria gonorrhoeae and its wild-type parent. Cooper MD, et al. **J Infect Dis** 1984 Nov;150(5):737-44

Electron microscope studies of attachment to human fallopian tube mucosa by a gonococcal IgA1 protease deficient mutant and wild type parent. Cooper MD, et al. **Scan Electron Microsc** 1984;(Pt 4):1925-30

Common pathways of invasion of mucosal barriers by Neisseria gonorrhoeae and Neisseria meningitidis. McGee ZA, et al. **Surv Synth Pathol Res** 1984;3(1):1-10 (23 ref.)

PHYSIOLOGY

Effect of growth in serum on uptake of Neisseria gonorrhoeae by human neutrophils. Britigan B, et al. **J Infect Dis** 1985 Aug;152(2):330-8

ULTRASTRUCTURE

Pili of Neisseria meningitidis. Analysis of structure and investigation of structural and antigenic relationships to gonococcal pili. Stephens DS, et al. **J Exp Med** 1985 Jun 1;161(6):1539-53

NEISSERIA MENINGITIDIS

Validity of the recording of meningococcal disease according to various sources of information. De Wals P, et al. **J Infect** 1984 Sep;9(2):185-9

ANALYSIS

Influence of nutrient limitation and low pH on serogroup B Neisseria meningitidis capsular polysaccharide levels: correlation with virulence for mice. Masson L, et al. **Infect Immun** 1985 Feb;47(2):465-71

CLASSIFICATION

Inhibitory spectrum of bacteriocin-like agents from Neisseria meningitidis. Jyssum K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Jun; 92(3):159-63

Serotype distribution of meningococci isolated in South Australia 1971 through 1980. Ashton FE, et al. **Can J Microbiol** 1984 Oct;30(10):1289-91

New serogroups of Neisseria meningitidis isolated in the Federal Republic of Germany [letter] Berger U. **Eur J Clin Microbiol** 1985 Jun;4(3):351

Filter radioimmunoassay, a method for large-scale serotyping of Neisseria meningitidis. de Marie S, et al. **J Clin Microbiol** 1984 Aug;20(2):255-8

Comparative evaluation of five commercial systems for the rapid identification of pathogenic Neisseria species. Philip A, et al. **J Clin Microbiol** 1985 Jul;22(1):101-4

Differentiation of B15 strains of Neisseria meningitidis by DNA restriction endonuclease fingerprinting. Kristiansen BE, et al. **J Infect Dis** 1984 Nov;150(5):672-7

Serotype antigens of Neisseria meningitidis and a proposed scheme for designation of serotypes. Frasch CE, et al. **Rev Infect Dis** 1985 Jul-Aug;7(4):504-10 (42 ref.)

Restriction fingerprinting and serology in a small outbreak of B15 meningococcal disease among Norwegian soldiers. Kristiansen BE, et al. **Scand J Infect Dis** 1985;17(1):19-24

Meningococcal meningitis in children: clinical comparison of disease produced by the minor and major serologic groups of Neisseria meningitidis. Ryan NJ, et al. **South Med J** 1984 Oct;77(10):1234-9

[Np6 antigenic detection of Neisseria meningitidis—noncapsular antigens (serotypes). III. Incidence of serotypes in strains of N. meningitidis isolated in Czechoslovakia between 1975 and 1982 from healthy carriers] Kuzemenská P. **Cesk Epidemiol Mikrobiol Imunol** 1984 Jul;33(4):221-7 (Eng. Abstr.) (Cze)

[Serotypes of meningococci isolated in the USSR and the Republic of Cuba] Demina AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Aug;(8):52-5 (Eng. Abstr.) (Rus)

[Meningococcal meningitis caused by Neisseria meningitidis of the X serogroup (letter)] Pastor JM, et al. **Med Clin (Barc)** 1985 Jun 29;85(5):208-9 (Spa)

CYTOLOGY

Colony variants of Neisseria meningitidis strain 2996 (B:2b:P1.2): influence of class-5 outer membrane proteins and lipopolysaccharides. Poolman JT, et al. **J Med Microbiol** 1985 Apr;19(2):203-9

DRUG EFFECTS

Activity of bacteriocin-like agents from Neisseria meningitidis on strains isolated from patients and carriers. Jyssum K, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Jun; 92(3):165-70

Loss of pili and decreased attachment to human cells by Neisseria meningitidis and Neisseria gonorrhoeae exposed to subinhibitory concentrations of antibiotics. Stephens DS, et al. **Infect Immun** 1984 Nov;46(2):507-13

In-vitro sensitivity of legionellas, meningococci and mycoplasmas to ciprofloxacin and enoxacin [letter] Fallon RJ, et al. **J Antimicrob Chemother** 1985 Jun;15(6):787-9

Single-dose ceftriaxone to eradicate pharyngeal Neisseria meningitidis [letter] Judson FN, et al. **Lancet** 1984 Dec 22;2(8417-18):1462-3

Toxicity of an algal mucopolysaccharide for Escherichia coli and Neisseria meningitidis strains. Criado MT, et al. **Rev Esp Fisiol** 1984 Jun;40(2):227-30

Inhibition of Neisseria meningitidis by alpha-amylase. Berger U. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Dec; 258(2-3):156-8

[Effect ofloxacin on Haemophilus influenza, Streptococcus pneumoniae and Neisseria meningitidis. Comparison with similar molecules] Dabernat H, et al. **Pathol Biol (Paris)** 1985 May;33(5):385-8 (Eng. Abstr.) (Fre)

ENZYMOLOGY

Quantitative determination of catalase activity produced by Neisseria gonorrhoeae, Staphylococcus epidermidis, Neisseria meningitidis and other bacterial strains using the Catalasemeter. Bisaillon JG, et al. **Exp Biol** 1985; 43(4):225-30

NmeI, a restriction endonuclease from Neisseria meningitidis. Sparling R, et al. **Microbios** 1984;41(164):73-9

GENETICS

Plasmids in throat and genital isolates of meningococci. Ison CA, et al. **J Clin Pathol** 1984 Oct;37(10):1123-8

Restriction endonuclease fingerprinting of meningococcal DNA. Kristiansen BE, et al. **NIPH Ann** 1984 Jun;7(1):21-8

[Presence of plasmids in Neisseria meningitidis] Père MF, et al. **Ann Inst Pasteur Microbiol** 1985 Mar-Apr; 136A(2):271-6 (Eng. Abstr.) (Fre)

GROWTH & DEVELOPMENT

Persistence of Neisseria meningitidis in the upper respiratory tract after intravenous antibiotic therapy for systemic meningococcal disease. Abramson JS, et al. **J Infect Dis** 1985 Feb;151(2):370-1

In vitro inhibition of growth of Neisseria gonorrhoeae by Neisseria meningitidis isolated from the pharynx of homosexual men. Bisaillon JG, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4):296-300

NEWARK PUBLIC

IMMUNOLOGY

Purification of anti-lactose antibodies from antisera to Neisseria gonorrhoeae and Neisseria meningitidis. Brakstad OG, et al. **Acta Pathol Microbiol Immunol Scand** [C] 1985 Jun;93(3):143-4

Affinity chromatography for purification of antibodies to Neisseria gonorrhoeae and Neisseria meningitidis lipopolysaccharides. Rødahl E, et al. **Acta Pathol Microbiol Immunol Scand** [C] 1984 Oct; 92(5):247-54

Conformational and dynamic differences between N. meningitidis serogroup B and C polysaccharides, using n.m.r. spectroscopy and molecular mechanics calculations. Lindon JC, et al. **Carbohydr Res** 1984 Oct 1;133(1):59-74

Magnitude of bacteremia and complement activation during Neisseria meningitidis infection: study of two co-primary cases with different clinical presentations. Zwahlen A, et al. **Eur J Clin Microbiol** 1984 Oct;3(5):439-41

Immunoresponses to Neisseria meningitidis epitopes: primary versus secondary antiphosphorylcholine responses. Faro J, et al. **Infect Immun** 1985 May;48(2):428-32

Human opsonins to meningococci after vaccination. Halstensen A, et al. **Infect Immun** 1984 Dec;46(3):673-6

Effect of aluminum ions on chemical and immunological properties of meningococcal group B polysaccharide. Moreno C, et al. **Infect Immun** 1985 Sep;49(3):587-92

Immunity and protection of mice against Neisseria meningitidis group B by vaccination, using polysaccharide complexed with outer membrane proteins: a comparison with purified B polysaccharide. Moreno C, et al. **Infect Immun** 1985 Feb;47(2):527-33

Recognition of serogroup A Neisseria meningitidis serotype antigens by human antisera. Sugasawara RJ. **Infect Immun** 1985 Apr;48(1):23-8

Development of a Neisseria meningitidis group B serotype 2b protein vaccine and evaluation in a mouse model. Wang LY, et al. **Infect Immun** 1984 Nov;46(2):408-14

Monoclonal antibodies to serotype 2 and serotype 15 outer membrane proteins of Neisseria meningitidis and their use in serotyping. Zollinger WD, et al. **Infect Immun** 1984 Oct; 46(1):260-6

Comparison of radioimmunoassay and enzyme-linked immunosorbent assay in measurement of antibodies to Neisseria meningitidis group A capsular polysaccharide. Beuvery EC, et al. **J Clin Microbiol** 1984 Oct;20(4):672-6

Risk of group A meningococcal disease: bacterial interference and cross-reactive bacteria among mucosal flora. Filice GA, et al. **J Clin Microbiol** 1985 Aug;22(2):152-6

Measurement of growth-inhibiting (bactericidal) antibodies in patients with meningococcal meningitis and in subjects immunized with meningococcal polysaccharide vaccine by a [3H]thymidine assay. Hassan-King M, et al. **J Clin Microbiol** 1985 Jul;22(1):136-8

Detection of Neisseria meningitidis group A, Haemophilus influenzae type b, and Streptococcus pneumoniae antigens in cerebrospinal fluid specimens by antigen capture enzyme-linked immunosorbent assays. Sippel JE, et al. **J Clin Microbiol** 1984 Aug;20(2):259-65

Use of the directigen latex agglutination test for detection of Haemophilus influenzae, Streptococcus pneumoniae, and Neisseria meningitidis antigens in cerebrospinal fluid from meningitis patients. Sippel JE, et al. **J Clin Microbiol** 1984 Nov;20(5):884-6

Comparative evaluation of three commercial products and counterimmunoelectrophoresis for the detection of antigens in cerebrospinal fluid. Tilton RC, et al. **J Clin Microbiol** 1984 Aug;20(2):231-4

Control of epidemic meningococcal meningitis by mass vaccination. II. Persistence of antibody four years after vaccination. Mohammed I, et al. **J Infect** 1984 Sep; 9(2):197-202

Control of epidemic meningococcal meningitis by mass vaccination. I. Further epidemiological evaluation of groups A and C vaccines in northern Nigeria. Mohammed I, et al. **J Infect** 1984 Sep;9(2):190-6

Neisserial antigen H.8 is immunogenic in patients with disseminated gonococcal and meningococcal infections. Black JR, et al. **J Infect Dis** 1985 Apr;151(4):650-7

Bactericidal antibodies against Neisseria gonorrhoeae elicited by Neisseria meningitidis [letter] Cremieux AC, et al. **Lancet** 1984 Oct 20;2(8408):930

Evaluation of two tetravalent (ACYW135) meningococcal vaccines in infants and small children: a clinical study comparing immunogenicity of O-acetyl-negative and O-acetyl-positive group C polysaccharides. Peltola H, et al. **Pediatrics** 1985 Jul;76(1):91-6

Group A meningococcal disease in the U.S. Pacific Northwest: epidemiology, clinical features, and effect of a vaccination control program. Counts GW, et al. **Rev Infect Dis** 1984 Sep-Oct;6(5):640-8

Physicochemical and immunological characterization of meningococcal group A polysaccharide-tetanus toxoid conjugates prepared by two methods. Beuvery EC, et al. **Vaccine** 1983 Dec;1(1):31-6

[Rapid detection of meningococcal antigens in cerebrospinal fluid by staphylococcal protein A coagglutination] Chen HC. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Apr; 6(2):122-4 (Eng. Abstr.) **(Chi)**

[The distribution of lipopolysaccharide serotypes of Neisseria meningitidis group A in 8 provinces and a city in China] Hu XJ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Aug;5(4):195-8 (Eng. Abstr.) **(Chi)**

[Comparative study of three tests for detecting meningococcus group A antibodies] Chen M. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Jan;19(1):37-9 (Eng. Abstr.) **(Chi)**

[Changes in the antigenic properties of strains of Neisseria meningitidis isolated from the cerebrospinal fluid of patients with meningitis] Kuzemenská P. **Cesk Epidemiol Mikrobiol Imunol** 1985 Mar;34(2):91-9 (Eng. Abstr.) **(Cze)**

[Why and when to vaccinate against meningococcal disease] Humble M. **Nord Med** 1984;99(10):248-50, 253 (Eng. Abstr.) **(Nor)**

[Analysis of industrially produced diagnostic meningococcal agglutinating sera] Trushnikova AG. **Lab Delo** 1985; (5):302-4 (Eng. Abstr.) **(Rus)**

[Immunoprophylaxis of meningococcal infection among the troops] Khokhlov DT, et al. **Voen Med Zh** 1984 Oct; (10):51-3 (18 ref.) **(Rus)**

[Evaluation of the reactogenic and immunogenic properties of meningococcal vaccines] Demina AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Nov;(11):88-92 (Eng. Abstr.) **(Rus)**

[Cross-reacting intraspecific antigens of Neisseria meningitidis. I. The isolation, immunochemical and serological characteristics of the cross-reacting antigens of N. meningitidis serogroup A] Gracheva AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Sep;(9):32-7 (Eng. Abstr.) **(Rus)**

[Cross-reacting intraspecies antigens of Neisseria meningitidis. II. The dynamics of antimeningococcal antibodies to cross-reacting antigens in different forms of meningococcal infection] Martynov IuV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Nov;(11):60-5 (Eng. Abstr.) **(Rus)**

[Determination of meningococcal antibodies by a radial hemolysis method] Martynov IuV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Oct;(10):27-30 (Eng. Abstr.) **(Rus)**

[Comparative study of the sensitivity and specificity of dried and liquid meningococcal erythrocyte diagnostic agents A, C and Y in a controlled trial] Nikitiuk NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Aug;(8):72-6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Evaluation of the phadebact and bactigen reagents for detection of Neisseria meningitidis in cerebrospinal fluid. Kurzynski TA, et al. **J Clin Microbiol** 1985 Jun; 21(6):989-90

Acute bacterial conjunctivitis and maltose negative meningococci [letter] Stirland RM, et al. **J Clin Pathol** 1984 Dec;37(12):1416

Carriage of Neisseria meningitidis and Neisseria lactamica in a school population during an epidemic period in Spain. Saez-Nieto JA, et al. **J Hyg (Lond)** 1985 Jun;94(3):279-88

Collection of mucosal secretion by synthetic discs for quantitation of secretory IgA and bacteria. Kristiansen BE. **J Immunol Methods** 1984 Oct 26;73(2):251-7

Isolation of a group Y meningococcus from a patient with pneumonia [letter] Hanson MF, et al. **J Infect** 1985 Jan; 10(1):76-7

[Bacteriological diagnosis of meningococcal infections in children from autopsy material] Korzhueva NA, et al. **Lab Delo** 1985;(5):304-6 (Eng. Abstr.) **(Rus)**

[Use of thiamine-cystine-glutamine agar for isolating and cultivating meningococci] Tatarnikov VM, et al. **Lab Delo** 1984;(9):566-7 (Eng. Abstr.) **(Rus)**

[Isolation of Neisseria meningitidis in cases of meningococcal disease] Gómez Marrero R, et al. **Rev Cubana Med Trop** 1984 May-Aug;36(2):244-9 (Eng. Abstr.) **(Spa)**

METABOLISM

Sulphur acquisition by Neisseria meningitidis. Port JL, et al. **Can J Microbiol** 1984 Dec;30(12):1453-7

Rate, mechanism, and immunochemical studies of lactonisation in serogroup B and C polysaccharides of Neisseria meningitidis. Lifely MR, et al. **Carbohydr Res** 1984 Dec 1;134(2):229-43

Role of lipid intermediate(s) in the synthesis of serogroup B Neisseria meningitidis capsular polysaccharide. Masson L, et al. **J Bacteriol** 1985 Mar;161(3):861-7

PATHOGENICITY

Experimental meningococcal infection in neonatal mice: differences in virulence between strains isolated from human cases and carriers. Salit IE, et al. **Can J Microbiol** 1984 Aug;30(8):1042-5

Experimental meningococcal infection in neonatal animals: models for mucosal invasiveness. Salit IE, et al. **Can J Microbiol** 1984 Aug;30(8):1022-9

Adherence and hydrophobicity in Neisseria meningitidis and their relationship with surface charge. Criado MT, et al. **Med Microbiol Immunol (Berl)** 1985;174(3):151-6

The virulence in mice of Neisseria meningitidis variants differing in free endotoxin activities and cell envelope properties. Andersen BM, et al. **NIPH Ann** 1984 Dec; 7(2):47-59

Common pathways of invasion of mucosal barriers by Neisseria gonorrhoeae and Neisseria meningitidis. McGee ZA, et al. **Surv Synth Pathol Res** 1984;3(1):1-10 (23 ref.)

PHYSIOLOGY

Isolates of Neisseria meningitidis from different sites in the same patient: phenotypic and genomic studies, with special reference to adherence, piliation, and DNA restriction endonuclease pattern. Kristiansen BE, et al. **J Infect Dis** 1984 Sep;150(3):389-96

ULTRASTRUCTURE

Structural and antigenic analysis of meningococcal piliation. Olafson RW, et al. **Infect Immun** 1985 May;48(2):336-42

Pili of Neisseria meningitidis. Analysis of structure and investigation of structural and antigenic relationships to gonococcal pili. Stephens DS, et al. **J Exp Med** 1985 Jun 1;161(6):1539-53

NEISSERIACEAE

DRUG EFFECTS

Antimicrobial susceptibility of Branhamella catarrhalis isolates from bronchopulmonary infections. Ahmad F, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):424-5

In vitro susceptibilities and beta-lactamase production of 53 clinical isolates of Branhamella catarrhalis. Alvarez S, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):646-7

pH and incubation atmosphere influence erythromycin activity against Branhamella catarrhalis [letter] Brorson JE, et al. **J Antimicrob Chemother** 1985 May;15(5):644-5

ENZYMOLOGY

Characterization of the plasmid-mediated beta-lactamase in Branhamella catarrhalis, with special reference to substrate affinity. Eliasson I, et al. **J Antimicrob Chemother** 1985 Feb; 15(2):139-49

GENETICS

Conjugation of plasmids of Neisseria gonorrhoeae to other Neisseria species: potential reservoirs for the beta-lactamase plasmid. Genco CA, et al. **J Infect Dis** 1984 Sep;150(3):397-401

ISOLATION & PURIFICATION

Branhamella catarrhalis: an unappreciated pulmonary pathogen. Roth RM, et al. **Am Fam Physician** 1984 Oct; 30(4):169-73

Evaluation of the RIM-N, Gonochek II, and Phadebact systems for the identification of pathogenic Neisseria spp. and Branhamella catarrhalis. Janda WM, et al. **J Clin Microbiol** 1985 May;21(5):734-7

Infective endocarditis caused by Kingella denitrificans. Swann RA, et al. **J Clin Pathol** 1984 Dec;37(12):1384-7

Bacterial population of the eyes of slaughter cattle. Barber DM. **Vet Rec** 1984 Aug 25;115(8):169

[Kingella kingae--a new infectious agent] Sjöberg L, et al. **Lakartidningen** 1985 Mar 6;82(10):858 **(Swe)**

PATHOGENICITY

Neonatal pneumonia caused by Branhamella catarrhalis. Ohlsson A, et al. **Scand J Infect Dis** 1985;17(2):225-8

[Characteristics of nonpathogenic Neisseria and Branhamella catarrhalis based on cytopathogenicity] Galeeva OP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Aug;(8):44-7 (Eng. Abstr.) **(Rus)**

NELSON SYNDROME see under **PITUITARY NEOPLASMS**

NEMATOCIDES see **ANTINEMATODAL AGENTS**

NEMATODA

Parasites in lungs of dead equids in Kentucky: emphasis on Dictyocaulus arnfieldi. Lyons ET, et al. **Am J Vet Res** 1985 Apr;46(4):924-7

Correlations between numbers of enteric nematode parasites in grazing lambs. Barger IA. **Int J Parasitol** 1984 Dec; 14(6):587-9

The helminth fauna of the digestive tracts of chacma baboons, Papio ursinus, from different localities in the Transvaal. Pettifer HL. **Onderstepoort J Vet Res** 1984 Sep; 51(3):161-70

Sodium azide preservation of faecal specimens for Kato analysis. Bundy DA, et al. **Parasitology** 1985 Jun;90 (Pt 3):463-9

Seasonal changes in pasture populations of infective larvae of gastrointestinal nematodes of cattle in eastern Nigeria. Chiejina SN, et al. **Res Vet Sci** 1984 Sep;37(2):144-7

Gastro-intestinal nematodes of fallow deer (Dama dama L.) in Germany. Barth D, et al. **Vet Parasitol** 1984 Oct; 16(1-2):173-6

Retrieval of nematode larvae [letter] Kingsley CC, et al. **Vet Rec** 1984 Sep 29;115(13):334

[Preliminary observations on the nematode parasites of mosquito larvae in rice fields in Yiwu County, Zhejiang] Yu ZQ. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(4):280 **(Chi)**

[Effect of temperature and humidity on gastrointestinal strongyle infestation of bovine pastures] Garcia Romero C, et al. **Ann Rech Vet** 1984;15(1):65-74 (Eng. Abstr.) (Fre)

[Appearance of Anguillicola australiensis Johnston and Mawson, 1940 (Dracuncoloidea: Anguillicolidae) in Anguilla anguilla of Lake Bracciano] Paggi L, et al. **Parassitologia** 1982 Dec;24(2-3):139-44 (Eng. Abstr.) (Ita)

[Laboratory studies on the role of the nematode Neoaplectana carpocapsae Weiser in reducing the cockroach population (Blatella germanica L.)] Zukowski K. **Rocz Panstw Zakl Hig** 1984;35(5):451-7 (Eng. Abstr.) (Pol)

ANALYSIS

Naturally crystalline hemoglobin of the nematode Mermis nigrescens. An in situ microspectrophotometric study of chemical properties and dichroism. Burr AH, et al. **Biophys J** 1985 Apr;47(4):527-36

ANATOMY & HISTOLOGY

Description of a third-stage larva, Terranova type Hawaii A (Nematoda: Anisakinae), from Hawaiian fishes. Deardorff TL, et al. **J Parasitol** 1984 Oct;70(5):829-31

[A new Spilotylenchus (Nematoda, Tylenchida : Allantonematidae) parasite of Spilopsyllus cuniculi (Dale) (Siphonaptera : Pulicidae), Siphonaptera of wild rabbits] Launay H, et al. **Ann Parasitol Hum Comp** 1984; 59(4):415-20 (Eng. Abstr.) (Fre)

[Research on the cat stomach worm, Ollulanus tricuspis (Leuckart, 1865)--state of the art] Hasslinger MA. **Tierarztl Prax** 1985;13(2):205-15 (82 ref.) (Eng. Abstr.) (Ger)

[Entomelas dujardini (Maupas, 1916), (Nematoda) in the lizard Anguis fragilis L] Bertman M, et al. **Wiad Parazytol** 1984;30(3):341-3 (Eng. Abstr.) (Pol)

CLASSIFICATION

Taxonomy and distribution of a Crassicauda species (Nematoda: Spirurida) infecting the kidney of the common fin whale (Balaenoptera physalus Linné, 1758). Lambertsen RH. **J Parasitol** 1985 Aug;71(4):485-8

[Parasitic Nematoda of the robin--Erithacus rubecula L. (Turdidae) from the region of Wroclaw] Okulewicz A. **Wiad Parazytol** 1984;30(5-6):585-94 (Eng. Abstr.) (Pol)

[Nematoda of birds (Charadriformes) of Lower Silesia] Okulewicz A. **Wiad Parazytol** 1984;30(3):331-40 (Eng. Abstr.) (Pol)

DRUG EFFECTS

Effect of ivermectin on performance of beef cattle on Georgia pastures. Ciordia H, et al. **Am J Vet Res** 1984 Nov;45(11):2455-7

Anthelmintic resistance and sheep management practices in south western Victoria. Riffkin GG, et al. **Aust Vet J** 1984 Aug;61(8):248-51

The effect of erythrosin B on infective larvae of bovine gastrointestinal nematodes. Hawkins JA, et al. **Vet Parasitol** 1984 Oct;16(1-2):35-41

EMBRYOLOGY

[Embryonic development of Trichocephalus trichiurus and Eucoleus oesophagicola (Nematoda, Trichocephalida)] Malakhov VV, et al. **Parazitologiia** 1984 Jul-Aug; 18(4):286-90 (Eng. Abstr.) (Rus)

ENZYMOLOGY

An unusual cyclic AMP-dependent protein kinase from nematodes. Vardanis A. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):947-53

GENETICS

Molecular basis of drug-resistance mutations in C. elegans. Rand JB, et al. **Psychopharmacol Bull** 1985;21(3):623-30

GROWTH & DEVELOPMENT

Arrested development of the rabbit stomach worm Obeliscoides cuniculi: manipulation of the ability to arrest through processes of selection. Watkins AR, et al. **Int J Parasitol** 1984 Dec;14(6):559-70

Age-related changes in the excision repair capacity of Turbatrix aceti. Targovnik HS, et al. **Mech Ageing Dev** 1984 Sep;27(1):73-81

Development and survival of infective larvae of gastrointestinal nematode parasites of cattle on pasture in eastern Nigeria. Chiejina SN, et al. **Res Vet Sci** 1984 Sep; 37(2):148-53

[The effect of dehydration of ovine feces on the development of free-living stages of gastrointestinal strongyles] Mauleon H, et al. **Ann Rech Vet** 1984;15(4):519-28 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Immunization with Nematospiroides dubius adult worms plus pertussigen has different consequences in mice of various genotypes. Mitchell GF, et al. **Aust J Exp Biol Med Sci** 1984 Aug;62 (Pt 4):523-30

Stage-specific antigens of Nematospiroides dubius. Pritchard DI, et al. **Immunology** 1984 Oct;53(2):325-35

Immunization and immunosuppression in mice reared for high or low immune responsiveness against Nematospiroides dubius. Sitepu P, et al. **Int J Parasitol** 1985 Jun;15(3):277-81

Nematospiroides dubius: adoptive transfer of immunity through peritoneal exudate cells and extent of immunosuppression in recipient Swiss albino mice. Lakshmi PN, et al. **J Hyg Epidemiol Microbiol Immunol** 1984; 28(4):485-91

Monoclonal antibodies which distinguish certain classes of neuronal and supporting cells in the nervous tissue of the nematode Caenorhabditis elegans. Okamoto H, et al. **J Neurosci** 1985 Mar;5(3):643-53

ISOLATION & PURIFICATION

An unidentified helminth egg in human stool [letter] Chunge R, et al. **East Afr Med J** 1985 Mar;62(3):149

[Beach sand nematodes in Guadeloupe: associated public health problems] Esterre P, et al. **Bull Soc Pathol Exot Filiales** 1985;78(1):71-8 (Eng. Abstr.) (Fre)

METABOLISM

Monosaccharide transport into hemocytes of a sipunculan worm Themiste dyscrita. Ingermann RL, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):R139-44

Reaction of hemerythrin with disulfides. Harrington PC, et al. **Biochemistry** 1985 Jan 1;24(1):210-4

The effect of aging on cell-free protein synthesis in the free-living nematode Turbatrix aceti. Egilmez NK, et al. **Biochim Biophys Acta** 1985 Jul 5;840(3):355-63

Ingestion of dye by the sexes of Trichostrongylus colubriformis. Bottjer KP, et al. **J Parasitol** 1984 Oct; 70(5):671-6

The effect of anaerobiosis on adenosine triphosphate levels in larval Nippostrongylus brasiliensis and Haemonchus contortus. Onwuliri CO. **Z Parasitenkd** 1984;70(5):667-71

MICROBIOLOGY

Life cycle of the endoparasitic nematophagous fungus Meria coniospora: a light and electron microscopic study. Jansson HB, et al. **Antonie Van Leeuwenhoek** 1984;50(4):321-7

Iridoviruses infecting terrestrial isopods and nematodes. Hess RT, et al. **Curr Top Microbiol Immunol** 1985;116:49-76 (40 ref.)

PARASITOLOGY

Histochemical enzyme pattern of microfilaria of Setaria cervi. Khatoon H, et al. **Acta Morphol Neerl Scand** 1984 Dec; 22(4):289-95

PATHOGENICITY

Pathology of larval Eustrongylides in the rabbit. Shirazian D, et al. **J Parasitol** 1984 Oct;70(5):803-6

PHYSIOLOGY

Survival of parasite eggs upon storage in sludge. O'Donnell CJ, et al. **Appl Environ Microbiol** 1984 Sep;48(3):618-25

Caenorhabditis elegans and Panagrellus redivivus: enzyme-mediated modification of chemotaxis. Jansson HB, et al. **Exp Parasitol** 1984 Dec;58(3):270-7

The effect of temperature on the survival of infective larvae of nematodes. Boag B, et al. **J Parasitol** 1985 Jun; 71(3):383-4

The effect of host density on the establishment and fecundity of Heligmosomoides polygyrus. Kerboeuf D. **Parasitology** 1985 Aug;91 (Pt 1):177-83

Responses of the plant parasitic nematodes Rotylenchulus reniformis, Anguina agrostis and Meloidogyne javanica to chemical attractants. Riddle DL, et al. **Parasitology** 1985 Aug;91 (Pt 1):185-95

Oxygen consumption and mode of energy production in the intertidal worm Sipunculus nudus L.: definition and characterization of the critical PO2 for an oxyconformer. Pörtner HO, et al. **Respir Physiol** 1985 Mar;59(3):361-77

[Influence of infestation by Protostrongyloidea on the geotaxic activity of terrestrial mollusks] Cabaret J. **Ann Parasitol Hum Comp** 1984;59(5):529-30 (Fre)

[Characterization of Teladorsagia circumcincta and T. trifurcata. I. Epidemiological and biological aspects] Cabaret J, et al. **Ann Parasitol Hum Comp** 1984; 59(6):607-17 (Eng. Abstr.) (Fre)

RADIATION EFFECTS

Age associated alteration in DNA damage and repair capacity in Turbatrix aceti exposed to ionizing radiation. Targovnik HS, et al. **Int J Radiat Biol** 1985 Mar; 47(3):255-60

ULTRASTRUCTURE

Ultrastructural changes during recovery from anabiosis in the plant parasitic nematode, Ditylenchus. Wharton DA, et al. **Tissue Cell** 1985;17(1):79-96

NEMATODE INFECTIONS

Intestinal nematode infections. Markell EK. **Pediatr Clin North Am** 1985 Aug;32(4):971-86 (19 ref.)

BLOOD

Cellular repository for blood histamine in normal and nematode-infected rats. Enerbäck L, et al. **Agents Actions** 1985 Apr;16(3-4):87-90

COMPLICATIONS

Probable pulmonary anisakiasis accompanying pleural effusion. Kobayashi A, et al. **Am J Trop Med Hyg** 1985 Mar;34(2):310-3

Survival to patency of low level infections with Trichuris muris in mice concurrently infected with Nematospiroides dubius. Behnke JM, et al. **Ann Trop Med Parasitol** 1984 Oct;78(5):509-17

Methods to evaluate nutritional and economic implications of Ascaris infection. Stephenson LS. **Soc Sci Med** 1984; 19(10):1061-5

[Parasitic eosinophilic granuloma of the intestines. A rare cause of intestinal occlusion in children (letter)] Boccon-Gibod L, et al. **Presse Med** 1984 Oct 27; 13(38):2324 (Fre)

[An unusual cause of segmental edema: anisakiasis (letter)] Godeau P, et al. **Presse Med** 1985 Jun 1;14(22):1246-7 (Fre)

[A rare cause of hemobilia: ascaridiasis of the bile ducts] Belaid S, et al. **Tunis Med** 1983 Jan-Feb;61(1):49-51 (Eng. Abstr.) (Fre)

DIAGNOSIS

Hepatic capillariasis may simulate the syndrome of visceral larva migrans, an analysis. Kumar V, et al. **Ann Soc Belg Med Trop** 1985;65(1):101-4

Acute gastric anisakiasis. Analysis of 178 cases. Sugimachi K, et al. **JAMA** 1985 Feb 15;253(7):1012-3

ELISA testing in cases of clinical angiostrongyliasis in Thailand. Jaroonvesama N, et al. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):110-2

The radioallergosorbent test (RAST) for the serological diagnosis of human anisakiasis. Desowitz RS, et al. **Trans R Soc Trop Med Hyg** 1985;79(2):256-9

[Comparative value of egg size and larval morphology in the diagnosis of species of ancylostomids. Existence of abnormal larvae] Chaker E, et al. **Med Trop (Mars)** 1984 Apr-Jun;44(2):143-8 (Eng. Abstr.) (Fre)

[Gastric anisakiasis. Endoscopic diagnosis and treatment (letter)] Goldfain D, et al. **Presse Med** 1984 Nov 24; 13(42):2586 (Fre)

[Rhabditiasis in tamarisk gerbils] Semenova NN, et al. **Parazitologiia** 1984 Sep-Oct;18(5):415-6 (Eng. Abstr.) (Rus)

DRUG THERAPY

Single dose mebendazole therapy for soil-transmitted nematodes. Abadi K. **Am J Trop Med Hyg** 1985 Jan; 34(1):129-33

A study of the effectiveness of mebendazole and pyrantel pamoate as a combination anthelmintic in Papua New Guinean children. Shield J. **Papua New Guinea Med J** 1985 Mar;28(1):41-4

[Effect of albendazole in the treatment of 269 cases of intestinal nematode infection] Chen ZJ. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(3):139 (Chi)

[Albendazole in the treatment of common intestinal parasite infections among school children in Taiwan] Chen ER, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jun;83(6):551-5 (Eng. Abstr.) (Chi)

[Albendazole in the treatment of intestinal nematode infections in Kinshasa, Zaire] Mbendi N, et al. **Ann Soc Belg Med Trop** 1985;65(1):41-7 (Eng. Abstr.) (Fre)

ETIOLOGY

Raccoon ascarid larvae (Baylisascaris procyonis) as a cause of ocular larva migrans. Kazacos KR, et al. **Invest Ophthalmol Vis Sci** 1984 Oct;25(10):1177-83

Anisakiasis from the American perspective [editorial] Fontaine RE. **JAMA** 1985 Feb 15;253(7):1024-5

FAMILIAL & GENETIC

Genetic control of immunity to Nematospiroides dubius: a 9-day anthelmintic abbreviated immunizing regime which separates weak and strong responder strains of mice. Behnke JM, et al. **Parasite Immunol** 1985 May;7(3):235-53

IMMUNOLOGY

Immunization with Nematospiroides dubius adult worms plus pertussigen has different consequences in mice of various genotypes. Mitchell GF, et al. **Aust J Exp Biol Med Sci** 1984 Aug;62 (Pt 4):523-30

Infections with Salmonella typhimurium and Nippostrongylus brasiliensis in mice selectively reared for high or low immune responsiveness to Nematospiroides dubius. Sitepu P, et al. **Aust J Exp Biol Med Sci** 1984 Dec; 62 (Pt 6):755-61

Enhancement of IgE-dependent eosinophil cytotoxicity to dinitrophenylated schistosomula by a nematode infection. Kojima S, et al. **Int Arch Allergy Appl Immunol** 1985; 76(1):91-4

Immunization and immunosuppression in mice reared for high or low immune responsiveness against Nematospiroides dubius. Sitepu P, et al. **Int J Parasitol** 1985 Jun;15(3):277–81

Regulation of toxocariasis in mice selectively reared for high and low immune responses to Nematospiroides dubius. Brindley PJ, et al. **J Helminthol** 1985 Jun;59(2):157–66

In vitro parasite antigen-induced antibody responses in human helminth infections. Nutman TB, et al. **J Immunol** 1985 Oct;135(4):2794–9

Induction of protective immunity against infection by Angiostrongylus cantonensis in rats. Dharmkrong-at A, et al. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):31–40

MICROBIOLOGY

Dermatitis due to larvae of a soil nematode, Pelodera strongyloides. Ginsburg B, et al. **Pediatr Dermatol** 1984 Jul;2(1):33–7

OCCURRENCE

Human gnathostomiasis in Ecuador (nodular migratory eosinophilic panniculitis). First finding of the parasite in South America. Ollague W, et al. **Int J Dermatol** 1984 Dec; 23(10):647–51

Intestinal nematode infections in India: a cross-sectional survey. Gadgil SD, et al. **J Postgrad Med** 1984 Jul; 30(3):137–43

Angiostrongylus cantonensis in East New Britain, Papua New Guinea. Scrimgeour EM, et al. **Trans R Soc Trop Med Hyg** 1984;78(6):774–5

PARASITOLOGY

Ascaridoid larva (Nematoda) from the eye of a child in Uganda. Beaver PC, et al. **Am J Trop Med Hyg** 1984 Nov; 33(6):1272–4

Influence of primary infection on the population dynamics of Nematospiroides dubius after challenge infections in mice. Dobson C, et al. **Int J Parasitol** 1985 Aug;15(4):353–9

Epizootiology, development, and pathology of Geopetitia aspiculata Webster, 1971 (Nematoda: Habronematoidea) in tropical birds at the Assiniboine Park Zoo, Winnipeg, Canada. Bartlett CM, et al. **J Wildl Dis** 1984 Oct; 20(4):289–99

Fatal eosinophilic meningoencephalitis and visceral larva migrans caused by the raccoon ascarid Baylisascaris procyonis. Fox AS, et al. **N Engl J Med** 1985 Jun 20; 312(25):1619–23

The effect of host density on the establishment and fecundity of Heligmosomoides polygyrus. Kerboeuf D. **Parasitology** 1985 Aug;91 (Pt 1):177–83

Parasite density and the fecundity of Angiostrongylus cantonensis in rats. Kino H. **Parasitology** 1984 Oct;89 (Pt 2):275–85

[Cadaverine and its possible role in parasite and host interrelations in ascaridiasis] Driuchenko EA, et al. **Parazitologiia** 1984 Jul–Aug;18(4):291–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Lesions associated with a Capillaria infestation in the European hedgehog (Erinaceus europaeus). Majeed SK, et al. **J Comp Pathol** 1984 Oct;94(4):625–8

Observations on the gross changes in the secondary lymphoid organs of mice infected with Nematospiroides dubius. Ali NM, et al. **J Helminthol** 1985 Jun;59(2):167–74

Pathology of larval Eustrongylides in the rabbit. Shirazian D, et al. **J Parasitol** 1984 Oct;70(5):803–6

[Abdominal angiostrongyliasis. Anatomo-pathological study of 4 cases observed in Rio Grande do Sul, Brazil] Agostini AA, et al. **Mem Inst Oswaldo Cruz** 1984 Oct–Dec; 79(4):443–5 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Romanomermis culicivorax parasitism and the development, growth, and feeding rates of two mosquito species. Giblin RM, et al. **J Invertebr Pathol** 1985 Jul;46(1):11–9

RADIOGRAPHY

Radiographic study of acute gastric anisakiasis. Kusuhara T, et al. **Gastrointest Radiol** 1984;9(4):305–9

VETERINARY

Methyl 5(6)-4-2-pyridyl piperazino carbamoyl benzimidazole-2-carbamate—a new broad spectrum anthelmintic. Katiyar JC, et al. **Acta Trop (Basel)** 1984 Sep; 41(3):279–86

Effect of ivermectin on performance of beef cattle on Georgia pastures. Ciordia H, et al. **Am J Vet Res** 1984 Nov;45(11):2455–7

Parasites in lungs of dead equids in Kentucky: emphasis on Dictyocaulus arnfieldi. Lyons ET, et al. **Am J Vet Res** 1985 Apr;46(4):924–7

Controlled field trial on the anthelmintic effectiveness of the morantel sustained-release bolus in grazing calves. Presson BL, et al. **Am J Vet Res** 1984 Dec;45(12):2628–30

The effect of strategic anthelmintic treatment on the breeding performance and survival of ewes naturally infected with gastro-intestinal strongyles and protostrongylids. Pandey VS, et al. **Ann Rech Vet** 1984;15(4):491–6

Echinura uncinata infestation in mute swan cygnets (Cygnus olor). Griffiths GL, et al. **Aust Vet J** 1985 Apr;62(4):132

Stocking rate effects on the worm burdens of Angora goats and Merino sheep. Le Jambre LF. **Aust Vet J** 1984 Sep; 61(9):280–2

Anthelmintic resistance and sheep management practices in south western Victoria. Riffkin GG, et al. **Aust Vet J** 1984 Aug;61(8):248–51

Identification and treatment of a lethal nematode (Capillaria xenopodis) infestation in the South African frog, Xenopus laevis. Cohen N, et al. **Dev Comp Immunol** 1984 Summer; 8(3):739–41

Micronema deletrix infection in a Shetland pony stallion. Keg PR, et al. **Equine Vet J** 1984 Sep;16(5):471–5

Resistance of nonlambing exotic and domestic ewes to naturally acquired gastrointestinal nematodes. Courtney CH, et al. **Int J Parasitol** 1985 Jun;15(3):239–43

Efficacy of ivermectin against gastrointestinal nematodes in dromedary camels. Boyce W, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1307–8

Jejunal obstruction due to Baylisascaris procyonis in a raccoon. Carlson BL, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1396–7

Ivermectin for treatment of nasal capillariasis in a dog. Evinger JV, et al. **J Am Vet Med Assoc** 1985 Jan 15; 186(2):174–5

Control of nematodes in dairy heifers by prophylactic treatments with albendazole in the spring. Herd RP, et al. **J Am Vet Med Assoc** 1985 May 15;186(10):1071–4

Pleural effusion as a sequela to aelurostrongylosis in a cat. Miller BH, et al. **J Am Vet Med Assoc** 1984 Sep 1; 185(5):556–7

Anthelmintic efficacy of febantel combined with praziquantel in dogs. Sharp ML, et al. **J Am Vet Med Assoc** 1985 Aug 1;187(3):254–5

Angiostrongylosis in a greyhound. Williams JF, et al. **J Am Vet Med Assoc** 1985 May 15;186(10):1101–3

Studies of Angiostrongylus cantonensis in two experimental hosts. Uchida K, et al. **J Helminthol** 1984 Sep;58(3):255–8

Intestinal parasites of the free-ranging Cayo Santiago rhesus monkeys (Macaca mulatta). Kessler MJ, et al. **J Med Primatol** 1984;13(2):57–66

Bovine thelaziasis in Iowa. Krafsur ES, et al. **J Parasitol** 1985 Jun;71(3):279–86

Emergence of larval Protostrongylus boughtoni (Nematoda: Metastrongyloidea) from a snail intermediate host, and subsequent infection in the domestic rabbit (Oryctolagus cuniculus). Kralka RA, et al. **J Parasitol** 1984 Jun; 70(3):457–8

Taxonomy and distribution of a Crassicauda species (Nematoda: Spirurida) infecting the kidney of the common fin whale (Balaenoptera physalus Linne, 1758). Lambertsen RH. **J Parasitol** 1985 Aug;71(4):485–8

Parelaphostrongylus andersoni (Nematoda: Protostrongylidae) and P. odocoilei in two cervid definitive hosts. Pybus MJ, et al. **J Parasitol** 1984 Aug;70(4):507–15

Helminth species diversity and biology in the bobcat, Lynx rufus (Schreber), from Nebraska. Tiekotter KL. **J Parasitol** 1985 Apr;71(2):227–34

Efficacy of ivermectin against internal parasites of sheep. Swan GE, et al. **J S Afr Vet Assoc** 1984 Dec;55(4):165–9

Efficacy of ivermectin against gastrointestinal nematodes in cattle in South Africa. Swan GE, et al. **J S Afr Vet Assoc** 1985 Mar;56(1):21–3

Hepatic capillariasis in African giant rats (Cricetomys gambianus Waterhouse). Chineme CN, et al. **J Wildl Dis** 1984 Oct;20(4):341–2

Parasites of the Dall's porpoise (Phocoenoides dalli True). Conlogue GJ, et al. **J Wildl Dis** 1985 Apr;21(2):160–6

Starvation secondary to an oral fibroma in a wild mountain goat (Oreamnos americanus). Foreyt WJ, et al. **J Wildl Dis** 1985 Apr;21(2):184–5

Skrjabingylus chitwoodorum Hill, 1939 (Nematoda: Metastrongyloidea) in striped skunks from northcentral Minnesota. Fuller TK, et al. **J Wildl Dis** 1984 Oct; 20(4):348–50

Angiostrongylus vasorum (Baillet, 1866) in red foxes (Vulpes vulpes L.) in Italy. Poli A, et al. **J Wildl Dis** 1984 Oct; 20(4):345–6

Liver pathology of yellow perch, Perca flavescens (Mitchill), infected with larvae of the nematode Raphidascaris acus (Bloch, 1779). Poole BC, et al. **J Wildl Dis** 1984 Oct; 20(4):303–7

Muellerius capillaris (Mueller, 1889) (Nematoda: Protostrongylidae): an unusual finding in Rocky Mountain bighorn sheep (Ovis canadensis canadensis Shaw) in South Dakota. Pybus MJ, et al. **J Wildl Dis** 1984 Oct;20(4):284–8

Elaeophora schneideri Wehr and Dickmans, 1935 in white-tailed deer from the Edwards Plateau of Texas. Waid DD, et al. **J Wildl Dis** 1984 Oct;20(4):342–5

Diagnostic exercise. Tetrameres americana infection in pigeons. Hubbard GB, et al. **Lab Anim Sci** 1984 Oct; 34(5):441–2

The importance of endoparasite counts at necropsy. Jordan HE, et al. **Mod Vet Pract** 1984 Oct;65(10):763–6

Ivermectin as an antiparasitic agent in cattle. Leaning WH. **Mod Vet Pract** 1984 Sep;65(9):669–72

Distribution of Angiostrongylus cantonensis in Papua New Guinea. Scrimgeour EM. **Trans R Soc Trop Med Hyg** 1984; 78(6):776–9

Internal parasitism in milk goats in Kenya. Lutu WZ. **Trop Anim Health Prod** 1984 Aug;16(3):153–7

Seasonal changes in the abomasal nematodes of naturally infected ewes in Moulay-Bouazza (Morocco). Cabaret J. **Vet Parasitol** 1984 Jul;15(1):47–56

Migration and growth of Neostrongylus linearis (Marotel, 1913) Gebauer, 1932 in sheep. Castañón Ordóñez L, et al. **Vet Parasitol** 1984 Sep;15(3–4):271–84

Field efficacy of a morantel sustained release bolus for control of gastrointestinal nematodes in yearling steers. Hawkins JA, et al. **Vet Parasitol** 1985 Mar;17(3):229–38

The effect of erythrosin B on infective larvae of bovine gastrointestinal nematodes. Hawkins JA, et al. **Vet Parasitol** 1984 Oct;16(1–2):35–41

Lesions of spinal cord parelaphostrongylosis in sheep. Sequential changes following intramedullary larval migration. Jortner BS, et al. **Vet Pathol** 1985 Mar; 22(2):137–40

Microfilarial granulomas in the spleens of wild-caught cynomolgus monkeys (Macaca fascicularis). Narama I, et al. **Vet Pathol** 1985 Jul;22(4):355–62

Spinal nematodosis in a donkey with posterior paresis. Vos JH, et al. **Vet Q** 1985 Apr;7(2):101–6

Persistent anthelmintic activity of ivermectin in cattle. Armour J, et al. **Vet Rec** 1985 Feb 9;116(6):151–3

Efficacy of low doses of fenbendazole and its administration via drinking water in the prophylaxis of nematodiasis in grazing calves. Downey NE, et al. **Vet Rec** 1985 Jan 5; 116(1):4–8

Larvae of Elaphostrongylus cervi in the deer of Scotland. English AW, et al. **Vet Rec** 1985 Mar 9;116(10):254–6

Effect of thiabendazole treatment on feed intake, digestibility and selected blood values in lactating dairy cows. Fox MT, et al. **Vet Rec** 1985 Mar 9;116(10):257–60

Elaphostrongylus cervi cervi in the central nervous system of red deer (Cervus elaphus) in Scotland. Hollands RD. **Vet Rec** 1985 Jun 1;116(22):584–5

Successful treatment of Filaroides osleri infection with oxfendazole. Kelly PJ, et al. **Vet Rec** 1985 Apr 20; 116(16):445–6

Benzimidazole resistance in field strains of nematodes from goats in France. Kerboeuf D, et al. **Vet Rec** 1985 Feb 2; 116(5):133

Thelazia nematodes in the eyes of cattle [letter] Turfrey BA. **Vet Rec** 1984 Dec 15;115(24):634

Macrophage mediated resistance to Babesia microti in Nematospiroides dubius—infected mice. Mzembe SA, et al. **Z Parasitenkd** 1984;70(6):753–61

[Prediction of the periods favorable for the development of gastrointestinal nematodes in sheep in various climatic regions of Bulgaria] Dimitrov G. **Vet Med Nauki** 1985; 22(3):69–76 (Eng. Abstr.) **(Bul)**

[Characterization of Teladorsagia circumcincta and T. trifurcata. I. Epidemiological and biological aspects] Cabaret J, et al. **Ann Parasitol Hum Comp** 1984; 59(6):607–17 (Eng. Abstr.) **(Fre)**

[Lungworms in sheep in Hesse: incidence of Dictyocaulus filaria and protostrongylids as well as seasonal dynamics of larval excretion under various management systems] Gothe R, et al. **Berl Munch Tierarztl Wochenschr** 1984 Oct 1;97(10):359–66 (Eng. Abstr.) **(Ger)**

[Research on the cat stomach worm, Ollulanus tricuspis (Leuckart, 1865)—state of the art] Hasslinger MA. **Tierarztl Prax** 1985;13(2):205–15 (82 ref.) (Eng. Abstr.) **(Ger)**

[Nematodes as a cause of beak deformity in paradise cranes (Anthropoides pardisea)] Kummerfeld N, et al. **Tierarztl Prax** 1984;12(1):33–8 **(Ger)**

[Effectiveness of selected preparations in the control of syngamiasis, capillariasis and heterakidosis in pheasants] Mazurkiewicz M, et al. **Wiad Parazytol** 1984;30(3):369–73 (Eng. Abstr.) **(Pol)**

[Parasitic Nematoda of the robin—Erithacus rubecula L. (Turdidae) from the region of Wroclaw] Okulewicz A. **Wiad Parazytol** 1984;30(5–6):585–94 (Eng. Abstr.) **(Pol)**

[A nematode parasite of the penguin Spheniscus magellanicus (Forster) (Ascaridoidea, Anisakidae)] Santos CP. **Mem Inst Oswaldo Cruz** 1984 Apr–Jun;79(2):233–7 (Eng. Abstr.) **(Por)**

[Mechanism of distribution of Strongyloidea larvae among ungulate animals at pasture] Kozlov DP. **Parazitologiia** 1985 May–Jun;19(3):220–5 (Eng. Abstr.) **(Rus)**

[Infestation by Angiostrongylus cantonensis in the Havana Provinces] Pérez Martín O, et al. **Rev Cubana Med Trop** 1984 Jan–Apr;36(1):54–8 (Eng. Abstr.) **(Spa)**

[Deworming of corralled fallow deer (Dama dama) using mebendazole] von Szokolay P, et al. **Nord Vet Med** 1984 Nov–Dec;36(11):394–403 (Eng. Abstr.) **(Swe)**

NEMATOMORPHA INFECTIONS see under **HELMINTHIASIS**

NEOCARZINOSTATIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

NEODYMIUM

Neodymium:YAG laser fiber steering device for carbon dioxide laser rigid bronchoscope set. Ossoff RH. **Ann Otol Rhinol Laryngol** 1984 Sep–Oct;93(5 Pt 1):469–70

Neodymium: YAG laser posterior capsulotomy: visual acuity outcome and intraocular pressure elevation. Slomovic AR.

et al. **Can J Ophthalmol** 1985 Apr;20(3):101–4

Endoscopic Nd:YAG laser therapy for active esophageal variceal bleeding. A randomized controlled study. Fleischer D. **Gastrointest Endosc** 1985 Feb;31(1):4–9

Measurement of spatial stability of spark position in burst-mode breakdown with the Nd:YAG laser. Kaplan RA, et al. **J Am Intraocul Implant Soc** 1984 Summer; 10(3):338–40

Influence of Nd:YAG laser power density and coaxial CO2 on the gastric wall. Joffe SN, et al. **Lasers Surg Med** 1984; 4(3):247–59

Neodymium: YAG laser posterior capsulotomy: the first 100 cases at UCLA. Gardner KM, et al. **Ophthalmic Surg** 1985 Jan;16(1):24–8

Nd-YAG laser in our experience. Balacco-Gabrieli C, et al. **Ophthalmologica** 1985;190(2):112–7

Effects of the Nd:YAG laser on the primate retina and choroid. Brown GC, et al. **Ophthalmology** 1984 Nov; 91(11):1397–405

[Comparison between the Nd YAG Q-switched laser and the mode-switched type. Preliminary note] Peters O, et al. **Bull Soc Belge Ophtalmol** 1983;207:121–7 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

The immediate IOP response of Nd-YAG-laser iridotomy and its prophylactic treatability. Schrems W, et al. **Acta Ophthalmol (Copenh)** 1984 Oct;62(5):673–80

Intermediate-term changes in intraocular pressure after neodymium-YAG laser posterior capsulotomy. Leys MJ, et al. **Am J Ophthalmol** 1985 Aug 15;100(2):332–3

Ne-YAG laser damage to glass intraocular lens. Fritch CD. **Ann Ophthalmol** 1984 Dec;16(12):1177

Myopia and unexpected intraocular pressure elevations after neodymium-YAG capsulotomy [letter] Parrish RK 2d, et al. **Arch Ophthalmol** 1985 Sep;103(9):1277

Clinical experience with the Nd:YAG laser. Johnson SH, et al. **J Am Intraocul Implant Soc** 1984 Fall;10(4):452–60

Histologic changes in rat brain tissue caused by neodymium-yttrium aluminum garnet laser irradiation. II. Cerebellum. Yamagami T, et al. **Surg Neurol** 1985 Oct; 24(4):421–7

METABOLISM

Nd3+ and Co2+ binding to sarcoplasmic reticulum CaATPase. An estimation of the distance from the ATP binding site to the high-affinity calcium binding sites. Highsmith S, et al. **J Biol Chem** 1984 Dec 10; 259(23):14651–6

PHARMACODYNAMICS

[Effect of calcium, lanthanum and neodymium ions on the permeability of the corneal epithelium to low molecular metabolites in animals] Rogalla K, et al. **Fortschr Ophthalmol** 1984;81(4):318–22 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Endoscopic Yag laser therapy in a community hospital. Jacobs WH. **Am J Gastroenterol** 1985 Apr;80(4):270–3

Nd:YAG laser posterior capsulotomy: a clinical study. Axt JC. **Am J Optom Physiol Opt** 1985 Mar;62(3):173–87

Neodymium:YAG laser therapy for malignant and benign endobronchial obstructions. Unger M. **Clin Chest Med** 1985 Jun;6(2):277–90

Endoscopic laser therapy for respiratory distress due to obstructive airway tumors. Dedhia HV, et al. **Crit Care Med** 1985 Jun;13(6):464–7

YAG laser therapy of gastrointestinal tumors. Groisser VW. **Gastrointest Endosc** 1984 Oct;30(5):311–2

New applications of the Nd:YAG laser. Steinert RF, et al. **J Am Intraocul Implant Soc** 1984 Summer;10(3):372–6

Tissue effects of neodymium:YAG laser photoradiation of canine ureters. Smith JA Jr, et al. **J Surg Oncol** 1984 Nov; 27(3):168–71

Laser treatment of keloids: a clinical trial and an in vitro study with Nd:YAG laser. Abergel RP, et al. **Lasers Surg Med** 1984;4(3):291–5

The use of the Nd-YAG laser in neurosurgery. Beck OJ, et al. **Lasers Surg Med** 1985;5(4):345–56

Preliminary study of the Nd:YAG laser in canine partial nephrectomy. Benderev TV, et al. **Lasers Surg Med** 1985; 5(4):415–21

Corneal incisions produced with the fourth harmonic (266 nm) of the YAG laser. Berns MW, et al. **Lasers Surg Med** 1985;5(4):371–5

Treatment of benign, semimalignant, and malignant skin tumors with the Nd:YAG laser. Brunner R, et al. **Lasers Surg Med** 1985;5(2):105–10

Eye-safety requirements for Nd:YAG laser application in gastroenterology, urology, and neurosurgery. Frank F, et al. **Lasers Surg Med** 1984;4(3):233–40

Nd-YAG laser for general surgery. Iwasaki M, et al. **Lasers Surg Med** 1985;5(4):429–38

Temperature rise in biological tissue during Nd:YAG laser irradiation. Marchesini R, et al. **Lasers Surg Med** 1985; 5(2):75–82

Retinal effects of the frequency-doubled (532 nm) YAG laser: histopathological comparison with argon laser. Mosier MA, et al. **Lasers Surg Med** 1985;5(4):377–404

The use of the Nd:YAG laser in urology. Stein BS, et al. **Lasers Surg Med** 1985;5(2):129–32

Artificial sapphire probe for contact photocoagulation and tissue vaporization with the Nd:YAG laser. Daikuzono N, et al. **Med Instrum** 1985 Jul–Aug;19(4):173–8

Effects of the Nd:YAG laser on the primate retina and choroid. Brown GC, et al. **Ophthalmology** 1984 Nov; 91(11):1397–405

Application of laser beam technology in the treatment of bladder tumors. Sander S, et al. **Prog Clin Biol Res** 1984; 162B:365–8

Therapy of bladder tumors with the neodymium-YAG laser—a critical assessment. Staehler G, et al. **Prog Clin Biol Res** 1984;162B:369–83

NEOMYCIN

Interaction of calcium and neomycin with anionic phospholipid-lecithin liposomes. A differential scanning calorimetry study. Wang BM, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3787–91

Adherence of neomycin to the tubing of a plate pouring machine [letter] Macaulay ME, et al. **J Clin Pathol** 1985 Jan;38(1):115–6

ADMINISTRATION & DOSAGE

[Effect of the combined use of various antibiotics on the bacterial flora of burn wounds] Zietkiewicz W, et al. **Pol Tyg Lek** 1984 Apr 23;39(17):577–80 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Fixed drug eruption. Gómez B, et al. **Allergol Immunopathol (Madr)** 1985 Mar–Apr;13(2):87–91

Allergic contact dermatitis in early infancy. Fisher AA. **Cutis** 1985 Apr;35(4):315–6

Deafness in preterm baby associated with topical antibiotic spray containing neomycin [letter] Morrell P, et al. **Lancet** 1985 May 18;1(8438):1167–8

The bioavailability of ibuprofen (Polfa) dragées for rabbits with malabsorption syndrome experimentally caused by neomycin. Wojdak H. **Pharmazie** 1984 Dec;39(12):853–4

[Granulation tumor of the orbit following ointment treatment of the maxillary sinus] Brusis T. **HNO** 1984 Dec; 32(12):511–4 (Eng. Abstr.) **(Ger)**

ANALYSIS

Determination of neomycin in animal tissues, using ion-pair liquid chromatography with fluorometric detection. Shaikh B, et al. **J Assoc Off Anal Chem** 1985 Jan–Feb;68(1):29–36

Microbiological determination of neomycin in feeds and formulated products. Stahl GL, et al. **J Assoc Off Anal Chem** 1984 Sep–Oct;67(5):863–5

Analysis of aminoglycoside antibiotics as benzoyl derivatives by high-performance liquid chromatography and its application to the quantitation of neomycin in the perilymph. Harada T, et al. **J Chromatogr** 1985 Jan 11; 337(1):187–93

BIOSYNTHESIS

[Aminoglycoside acetyltransferase from Streptomyces fradiae—a producer of neomycin] Griaznova NS, et al. **Antibiot Med Biotekhnol** 1985 Apr;30(4):253–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Oral neomycin sulfate and erythromycin base before colon surgery: a comparison of serum and tissue concentrations. DiPiro JT, et al. **Pharmacotherapy** 1985 Mar–Apr;5(2):91–4

PHARMACODYNAMICS

Effects of streptomycin and neomycin on the adrenal medulla of dogs. Corrado AP, et al. **Braz J Med Biol Res** 1984; 17(3–4):329–33

Phosphoinositides in mitogenesis: neomycin inhibits thrombin-stimulated phosphoinositide turnover and initiation of cell proliferation. Carney DH, et al. **Cell** 1985 Sep;42(2):479–88

Failure of neomycin to modify ACTH induced hypertension in sheep. Tresham J, et al. **Clin Exp Pharmacol Physiol** 1984 Nov–Dec;11(6):645–7

Adsorption characteristics of certain antibiotics to veegum and activated charcoal. Ghazy FS, et al. **Pharmazie** 1984 Dec;39(12):821–3

Effect of betamethasone and betamethasone with neomycin nasal drops on human nasal mucociliary clearance and ciliary beat frequency. Stanley PJ, et al. **Thorax** 1985 Aug; 40(8):607–12

THERAPEUTIC USE

Effects of combination cholestyramine-neomycin treatment on plasma lipoprotein concentrations in type II hyperlipoproteinemia. Hoeg JM, et al. **Am J Cardiol** 1985 May 1;55(11):1282–6

Chemical preparation of the eye in ophthalmic surgery. IV. Comparison of povidone-iodine on the conjunctiva with a prophylactic antibiotic. Isenberg SJ, et al. **Arch Ophthalmol** 1985 Sep;103(9):1340–2

Normalization of plasma lipoprotein concentrations in patients with type II hyperlipoproteinemia by combined use of neomycin and niacin. Hoeg JM, et al. **Circulation** 1984 Dec;70(6):1004–11

Further studies on neomycin and experimental hypertension. Fraillon D, et al. **Clin Exp Pharmacol Physiol** 1984 Jul–Aug;11(4):339–41

Neomycin and plasma lipoproteins in type II hyperlipoproteinemia. Hoeg JM, et al. **Clin Pharmacol Ther** 1984 Oct;36(4):555–65

Use of Cortisporin Otic Solution in phenol nail surgery. Anton-Athens V, et al. **J Am Podiatr Med Assoc** 1985 Jan; 75(1):31–3

Antibiotics attenuate experimental hypertension in rats. Honour JW, et al. **J Endocrinol** 1985 Jun;105(3):347–50

Selective decontamination of the digestive tract for the prevention of infection in acute leukemia. Dekker A, et al. **Prog Clin Biol Res** 1985;181:251–3

One row anastomosis in colonic operations with antibiotic prophylaxis. Entner M, et al. **Surg Gynecol Obstet** 1985 Aug;161(2):136–8

[Metronidazole and neomycin in wound infection prophylaxis in colon and rectal surgery] Nowak W, et al. **Nahrung** 1984; 28(6–7):685–7 (Eng. Abstr.) **(Ger)**

TOXICITY

Comparison of the nephrotoxicity of oral neomycin and ampicillin in rats. Narendranathan M, et al. **Indian J Gastroenterol** 1982 Apr;1(1):19–21

NEOMYCIN A see NEOMYCIN

NEOMYCIN B see FRAMYCETIN

NEOMYCIN E see PAROMOMYCIN

NEON

Effect of neon ions on synchronized Chinese hamster cells. Raju MR, et al. **Int J Radiat Biol** 1985 Aug;48(2):271–6

Primary and secondary radiation doses from neon beam fragments. Jain PL, et al. **Radiat Res** 1985 Sep; 103(3):317–25

NEONATAL CALF DIARRHEA VIRUS see ROTAVIRUSES

NEONATAL IMMUNITY, MATERNALLY-ACQUIRED see IMMUNITY, MATERNALLY-ACQUIRED

NEONATAL INTENSIVE CARE UNITS see INTENSIVE CARE UNITS, NEONATAL

NEONATOLOGY

see related
INFANT, NEWBORN

Neonatologist versus general pediatrician [letter] Scanlon JW. **Pediatrics** 1985 Sep;76(3):472–3

Paternalism in the neonatal intensive care unit. Strong C. **Theor Med** 1984 Feb;5(1):105–16

[Ethical problems in neonatology] Gautier A. **Rev Med Suisse Romande** 1985 Jun;105(6):541–6 **(Fre)**

MANPOWER

American Academy of Pediatrics. Committee on Fetus and Newborn. Manpower needs in neonatal pediatrics. **Pediatrics** 1985 Jul;76(1):132–5

Personnel in neonatal pediatrics: assessment of numbers and distribution. Merenstein GB, et al. **Pediatrics** 1985 Sep; 76(3):454–6

TRENDS

[Neonatal neurology] Czochańska J. **Pediatr Pol** 1984 Jul; 59(7):525–6 **(Pol)**

[Current problems and the outlook in neonatology] Geormăneanu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1985 Apr–Jun; 34(2):97–117 (Eng. Abstr.) **(Rum)**

[Implementation of scientific research devoted to the prevention and treatment of various maternal and fetal diseases] El'tsov-Strelkov VI, et al. **Akush Ginekol (Mosk)** 1984 Sep;(9):3–6 **(Rus)**

NEOPLASM ANTIBODIES see ANTIBODIES, NEOPLASM

NEOPLASM ANTIGENS see ANTIGENS, NEOPLASM

NEOPLASM ANTIGENS, VIRAL see ANTIGENS, VIRAL, TUMOR

NEOPLASM CIRCULATING CELLS

Tumor cells carried through autotransfusion. Are these cells still malignant? Homann B, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:51–9

Arrest of metastatic cells: agents promoting and inhibiting instant non-specific adhesion by fibronectin. Hills BA. **Anticancer Res** 1985 May–Jun;5(3):287–91

Prognostic significance of peritumoral vascular invasion in breast cancer. Bettelheim R, et al. **Br J Cancer** 1984 Dec;

NEWARK PUBLIC LIBRAR

50(6):771-7

The shedding of viable cells into the local lymph by tumours growing in the gut of rats. Gyure LA, et al. **Br J Cancer** 1985 Mar;51(3):379-82

Antigen-specific therapy of experimental metastases. Nomi S, et al. **Cancer** 1985 Mar 15;55(6):1296-302

James Ewing lecture. The process of metastasis. Scanlon EF. **Cancer** 1985 Mar 15;55(6):1163-6

CT diagnosis of abdominal lymph node metastases in hepatocellular carcinoma. Tanaka T, et al. **Eur J Radiol** 1985 Aug;5(3):175-7

Pulmonary hypertension complicating hepatocellular carcinoma. Willett IR, et al. **Gastroenterology** 1984 Nov; 87(5):1180-4

Cardiac papillary fibroelastoma: a source of coronary artery emboli and myocardial infarction. Fine G, et al. **Henry Ford Hosp Med J** 1984;32(3):204-8

Effect of leukocyte activation on the formation of heterotypic tumor-cell aggregates in vitro. Orr FW, et al. **Int J Cancer** 1985 Jan 15;35(1):101-6

Rapid phenotype variation in cells derived from lung metastases of KHT fibrosarcoma. Chambers AF, et al. **Invasion Metastasis** 1984;4(4):225-37

The tumor-cell-releasing machine. Erkell LJ, et al. **Invasion Metastasis** 1984;4(3):126-33

Mechanically induced trauma suffered by cancer cells in passing through pores in polycarbonate membranes. Gabor H, et al. **Invasion Metastasis** 1985;5(2):71-83

Cellular behavior of metastatic B16 melanoma in experimental blood-borne implantation and cerebral invasion. An electron microscopic study. Kawaguchi T, et al. **Invasion Metastasis** 1985;5(1):16-30

Artificially induced metastasis by cells from spontaneous Lucké renal adenocarcinoma. Tarin D, et al. **Invasion Metastasis** 1984;4(4):198-208

Assay for the determination of human carcinoma cells in circulating blood. Schwartz R, et al. **J Cancer Res Clin Oncol** 1985;109(2):122-9

The mortality rate from lung metastases in animals inhaling nitrogen dioxide (NO2). Richters A, et al. **J Surg Oncol** 1985 Jan;28(1):63-6

Involvement of platelet-released 5-HT in tumor cell lodgement. Skolnik G, et al. **J Surg Res** 1985 Jun; 38(6):559-67

Supradiaphragmatic renal cell carcinoma tumor thrombus: indications for vena caval reconstruction with pericardium. Marshall FF, et al. **J Urol** 1985 Feb;133(2):266-8

Renal cell carcinoma invading the inferior vena cava: the use of the Greenfield filter to prevent tumor emboli during nephrectomy. Rosenthal D, et al. **J Urol** 1985 Jul; 134(1):126-7

Adrenal cortical carcinoma: preoperative demonstration of right atrial extension by sonography and computerized tomography. Schramek P, et al. **J Urol** 1985 Feb; 133(2):260-2

Renal cell carcinoma extending into the inferior vena cava: the prognostic significance of the level of vena caval involvement. Sosa RE, et al. **J Urol** 1984 Dec; 132(6):1097-100

Intravenous leiomyomatosis of the uterus with continuous extension into the pulmonary artery. Akatsuka N, et al. **Jpn Heart J** 1984 Jul;25(4):651-9

Venous renal tumor extension: a prospective US evaluation. Schwerk WB, et al. **Radiology** 1985 Aug;156(2):491-5

Pulmonary tumor microembolism. Margolis ML, et al. **South Med J** 1985 Jun;78(6):757-8

[Acute tumor embolism in the brachial artery] Jensen TT. **Ugeskr Laeger** 1985 Mar 4;147(10):882-3 (Eng. Abstr.) **(Dan)**

[Cancer embolization into the lungs] Kupari M, et al. **Duodecim** 1984;100(22):1505-14 (Eng. Abstr.) **(Fin)**

[Endometriosis 'on the way.' Case description of intravascular endometriosis] Reitzenstein M. **Geburtshilfe Frauenheilkd** 1984 Aug;44(8):516-7 **(Ger)**

[Hematogenous metastasis of bronchial carcinoma depending on the tumor size and the presence of lymph node metastases. An autopsy study] Kunze E, et al. **Pathologe** 1985 Mar;6(2):71-9 **(Ger)**

[Hematogenous metastasis caused by angiography?] Reuss JA, et al. **ROFO** 1985 Aug;143(2):242-4 **(Ger)**

[Clinicopathological examination of 12 autopsy cases of carcinomatosis of the bone marrow] Haratake J, et al. **Gan No Rinsho** 1985 Feb;31(2):168-78 (Eng. Abstr.) **(Jpn)**

[Hematogenous metastasis in pancreatic cancer] Matsuno S, et al. **Gan No Rinsho** 1985 May;31(5):537-43 (Eng. Abstr.) **(Jpn)**

[Metachronous hematogenous metastasis of gastric cancer--histopathologic characteristics of gastric cancer developing of the liver, lung or bone metastasis] Takebayashi M, et al. **Gan No Rinsho** 1985 Jan;31(1):40-4 (Eng. Abstr.) **(Jpn)**

[Cancer blood-borne metastasis and platelets] Tanaka K, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2453-9 (Eng. Abstr.) **(Jpn)**

[Mechanism of cancer metastasis and its inhibition--a point of view from clinical aspects] Tsubura E, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1189-95 (Eng. Abstr.) **(Jpn)**

[A case of pulmonary tumor-embolism from chondrosarcoma of the lower extremity] Hayashida K, et al. **Kaku Igaku** 1985 Jan;22(1):101-6 **(Jpn)**

[A case of iliac arterial embolism after lung cancer resection] Watanabe H, et al. **Kyobu Geka** 1985 Jun;38(6):484-7 (Eng. Abstr.) **(Jpn)**

[Sudden onset multifocal brain metastasis of liver cancer. Case report] Ohno M, et al. **Neurol Med Chir (Tokyo)** 1984 Dec;24(12):969-73 (Eng. Abstr.) **(Jpn)**

[Liposarcomatous tumor emboli to the left iliac artery growing intraluminally into the femoral artery. A report of an operative and autopsy case] Ito K, et al. **Nippon Geka Gakkai Zasshi** 1985 Mar;86(3):357-61 (Eng. Abstr.) **(Jpn)**

[A clinicopathological study on hematogenous recurrence of colo-rectal cancer--with special reference to prediction and prevention of the recurrence] Tabuchi Y, et al. **Nippon Geka Gakkai Zasshi** 1984 Oct;85(10):1359-69 (Eng. Abstr.) **(Jpn)**

[A case of hepatocellular carcinoma with growth into the right atrium, pulmonary tumor embolism, and cerebral metastasis] Nakamura Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Feb;82(2):319-23 **(Jpn)**

[Experimental study of the need for the dearterialization of tumors] Chissov VI, et al. **Eksp Onkol** 1984;6(4):66-70 (Eng. Abstr.) **(Rus)**

[Non-bacterial thrombotic endocarditis (letter)] Pujol A, et al. **Med Clin (Barc)** 1985 Mar 16;84(10):420 **(Spa)**

[Embolization of the biliary tract caused by necrotic hepatocarcinoma, an unusual cause of obstructive jaundice (apropos of 2 cases)] Badia de Yébenes A, et al. **Rev Esp Enferm Apar Dig** 1985 Jun;67(6):545-50 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Subacute pulmonary hypertension due to carcinomatous microembolism [letter] Nikolic G. **Aust NZ J Med** 1985 Apr;15(2):268

Subacute pulmonary hypertension due to carcinomatous microembolism. Raper RF, et al. **Aust NZ J Med** 1984 Jun;14(3):271-3

NEOPLASM INVASIVENESS

Spreading of non-transformed and transformed cells. Vasiliev JM. **Biochim Biophys Acta** 1985;780(1):21-65 (476 ref.)

Invasiveness of transformed bladder epithelial cells. Kieler JF. **Cancer Metastasis Rev** 1984;3(3):265-96 (190 ref.)

Collagenolytic mechanisms in tumor cell invasion. Woolley DE. **Cancer Metastasis Rev** 1984;3(4):361-72 (74 ref.)

Effects of retinoids on invasion of organ cultures of chick chorioallantoic membrane by adenovirus transformed cells. Fazely F, et al. **In Vitro Cell Dev Biol** 1985 Jul;21(7):409-14

The interaction of melanoma cells with fibroblasts and endothelial cells in three-dimensional macromolecular matrices: a model for tumour cell invasion. Schor SL, et al. **Int J Cancer** 1985 Jul 15;36(1):93-102

Effect of microtubule inhibitors on invasion and on related activities of tumor cells. Mareel MM, et al. **Int Rev Cytol** 1984;90:125-68 (236 ref.)

Cancer of the stomach: are curative resections of any importance with respect to postoperative survival in patients with locoregional disease? Viste A, et al. **Int Surg** 1984 Apr-Jun;69(2):133-5

Membrane invasion culture system (MICS). Gehlsen KR, et al. **Med Instrum** 1984 Sep-Oct;18(5):268-71

Recurrent oncocytoma of the ethmoid sinus with orbital invasion. Chui RT, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):267-70

[Undifferentiated small cell carcinoma of the renal pelvis with massive invasion of the kidney] Sénécal L. **Union Med Can** 1985 Feb;114(2):147 **(Fre)**

DIAGNOSIS

Ultrasound estimation of myometrial invasion of endometrial cancer by intrauterine radial scanning. Obata A, et al. **JCU** 1985 Jul-Aug;13(6):397-404

PATHOLOGY

Tumor invasion and metastases: role of the basement membrane. Warner-Lambert Parke-Davis Award lecture. Liotta LA. **Am J Pathol** 1984 Dec;117(3):339-48 (88 ref.)

Studies on confrontation of different tumor cells with human diploid fibroblasts. Benke R, et al. **Anticancer Res** 1984 Jul-Oct;4(4-5):241-6

The V2 carcinoma of the rabbit as an integrated model of tumor invasion. Sträuli P, et al. **Bull Cancer (Paris)** 1984; 71(5):447-52 (41 ref.)

The Kidney Invasion Test: an assay allowing macroscopic quantification of malignant invasion in vivo. Comparison between the microtubule inhibitor tubulozole and the podophyllotoxin congener etoposide (VP-16-213). Distelmans W, et al. **Invasion Metastasis** 1985;5(3):170-84

Invasiveness in vitro of two mammary adenocarcinoma tumors with different metastasizing ability. Puricelli L, et al. **Invasion Metastasis** 1984;4(4):238-46

Comparison of invasiveness and non-invasiveness of two epithelial cell lines in vitro. Schroyens W, et al. **Invasion Metastasis** 1984;4(3):160-70

PHYSIOPATHOLOGY

The role of cancer cell motility in invasion. Sträuli P, et al. **Cancer Metastasis Rev** 1984;3(2):127-41

NEOPLASM METASTASIS

Cancer metastasis: experimental approaches, theoretical concepts, and impacts for treatment strategies. Schirrmacher V. **Adv Cancer Res** 1985;43:1-73 (346 ref.)

The role of natural killer cells in the control of tumor growth and metastasis. Hanna N. **Biochim Biophys Acta** 1985; 780(3):213-26 (110 ref.)

Clinical and experimental studies on the biology of metastasis. Tarin D. **Biochim Biophys Acta** 1985;780(3):227-35 (57 ref.)

The effect of oestrogen and progesterone receptors on recurrence and survival in patients with carcinoma of the breast. Howat JM, et al. **Br J Cancer** 1985 Feb;51(2):263-70

Systemic hemibody irradiation for overt and occult metastases. Rubin P, et al. **Cancer** 1985 May 1;55(9 Suppl):2210-21

Inhibition of spontaneous and experimental tumor metastasis by the calcium antagonist verapamil. Tsuruo T, et al. **Cancer Chemother Pharmacol** 1985;14(1):30-3

Modulation of formation of tumor metastases by peritoneal macrophages elicited by various agents. Gorelik E, et al. **Cancer Immunol Immunother** 1985;19(1):35-42

Environmental temperature and metastatic spread of melanoma in the crested newt. Zavanella T. **Cancer Lett** 1985 Jun;27(2):171-9

Temperature-dependent metastasis of the Lucke renal carcinoma and its significance for studies on mechanisms of metastasis. McKinnell RG, et al. **Cancer Metastasis Rev** 1984;3(4):373-86 (97 ref.)

Macrophages and metastasis--a biological approach to cancer therapy. Fidler IJ. **Cancer Res** 1985 Oct; 45(10):4714-26

Effects of total-body hyperthermia on metastases from experimental mouse tumors. Oda M, et al. **Cancer Res** 1985 Apr;45(4):1532-5

Clinical-biologic patterns of metastatic melanoma and their effect on treatment. Berdeaux DH, et al. **Cancer Treat Rep** 1985 Apr;69(4):397-401

Peptide fragments of laminin and fibronectin promote migration (haptotaxis and chemotaxis) of metastatic cells. Furcht LT, et al. **Ciba Found Symp** 1984;108:130-45

The laminin receptor and basement membrane dissolution: role in tumour metastasis. Liotta LA, et al. **Ciba Found Symp** 1984;108:146-62

Correlation between post-replication repair and metastatic potential in B16 mouse melanoma cell lines. Khalil F, et al. **Cytobios** 1985;42(166):117-23

Modified triple chemotherapy in the management of high-risk metastatic gestational trophoblastic tumors. Berkowitz RS, et al. **Gynecol Oncol** 1984 Oct;19(2):173-81

Autopsy findings in patients with uterine sarcoma. Fleming WP, et al. **Gynecol Oncol** 1984 Oct;19(2):168-72

Metastatic potential of B16 melanoma cells after in vitro selection for organ-specific adherence. Netland PA, et al. **J Cell Biol** 1985 Sep;101(3):720-4

Altered characteristics of B16 melanoma cells induced by chemically crosslinking fibronectin to cell surfaces. Bowersox JC, et al. **J Surg Oncol** 1985 May;29(1):11-4

Proteolytic enzymes in tumor metastasis. I. Plasminogen activator in clones of Lewis lung carcinoma and T10 sarcoma. Eisenbach L, et al. **JNCI** 1985 Jan;74(1):77-85

Proteolytic enzymes in tumor metastasis. II. Collagenase type IV activity in subcellular fractions of cloned tumor cell populations. Eisenbach L, et al. **JNCI** 1985 Jan;74(1):87-93

Prevention of tumor metastasis after surgical removal of primary tumor by using in vitro activated macrophages. Okuno K, et al. **Jpn J Clin Oncol** 1985 Mar;15(1):87-94

NIH/3T3 cells transfected with human tumor DNA containing activated ras oncogenes express the metastatic phenotype in nude mice. Thorgeirsson UP, et al. **Mol Cell Biol** 1985 Jan;5(1):259-62

Molecular basis of tumour spread [news] Hart IR. **Nature** 1985 May 23-29;315(6017):274-5

Abrogation of metastatic properties of tumour cells by de novo expression of H-2K antigens following H-2 gene transfection. Wallich R, et al. **Nature** 1985 May 23-29; 315(6017):301-5

Extracranial metastasis of cerebral glioblastoma multiforme: case report. Sadik AR, et al. **Neurosurgery** 1984 Oct; 15(4):549-51

Fine-needle aspiration in gynecology: evaluation of extrapelvic lesions in patients with gynecologic malignancy. Fortier KJ, et al. **Obstet Gynecol** 1985 Jan; 65(1):67-72

Dormant tumor cells in liver and brain. An autopsy study on metastasizing tumors. Noltenius C, et al. **Pathol Res Pract** 1985 Mar;179(4-5):504-11

Expression of the metastatic phenotype in cells transfected with human metastatic tumor DNA. Bernstein SC, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1726-30

The hemodynamic destruction of intravascular cancer cells in relation to myocardial metastasis. Weiss L, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5737-41

A difference in prostaglandin E2 synthesis between cancer cells metastasizing into liver and kidney. Nakazawa I, et al. **Prostaglandins Leukotrienes Med** 1985 Feb;17(2):265-6

Surgical intervention and metastasis. Keller R. **Recent Results Cancer Res** 1985;98:11-6

Why do tumors metastasize? An overview of current research. Hagmar B, et al. **Tumour Biol** 1984;5(3-4):141-9 (53 ref.)

Treatment of metastasis. Jeglum KA.

Vet Clin North Am [Small Anim Pract] 1985 May; 15(3):659–66

[Metastatic properties of rat FR 3T3 cells, transformed by polyomavirus in the Fisher rat] de Lapeyrière O, et al. **Bull Cancer (Paris)** 1984;71(5):466–7 **(Fre)**

[Anesthetic risk of cancer metastases] Simionescu R. **Cah Anesthesiol** 1985 Mar;33(2):127–9 **(Fre)**

[German Society for Pathology. 68th meeting, held in Berlin, 5–9 June, 1984] **Verh Dtsch Ges Pathol** 1984;68:1–677 **(Ger)**

[Cancer metastasis and polyamines] Hibasami H, et al. **Tanpakushitsu Kakusan Koso** 1985 May;30(5):335–49 (120 ref.) **(Jpn)**

[Theory of the spread of malignant neoplasms in the early stage of their development. A discussion article] Buraczewski J. **Nowotwory** 1984 Apr–Jun;34(2):103–12 (Eng. Abstr.) **(Pol)**

[Experimental study of the antimetastatic activity of thaliblastin] Mircheva I. **Eksp Onkol** 1984;6(2):48–9 (Eng. Abstr.) **(Rus)**

[The role of cyclic nucleotides in the development of resistance to metastases after treatment with immunomodulators] Veksler IG, et al. **Eksp Onkol** 1984; 6(3):52–5 (Eng. Abstr.) **(Rus)**

[The effect of alkylating cytostatics on the development of secondary malignant tumors] Galajda P, et al. **Vnitr Lek** 1984 Aug;30(8):756–63 (Eng. Abstr.) **(Slo)**

[Non-bacterial thrombotic endocarditis associated with metastatic adenocarcinoma (letter)] de Miguel Prieto J, et al. **Med Clin (Barc)** 1984 Oct 6;83(10):435 **(Spa)**

[Sensitivity of different metastasizing tumor populations to treatment with cytostatics] Lönn U. **Lakartidningen** 1985 Apr 24;82(17):1580–2 **(Swe)**

BLOOD

Platelet-aggregating activities of metastasizing tumor cells. III. Platelet aggregation as resulting from thrombin generation by tumor cells. Tohgo A, et al. **Invasion Metastasis** 1985;5(2):96–105

Platelet-aggregating activities of metastasizing tumor cells. II. Variety of the aggregation mechanisms. Tohgo A, et al. **Invasion Metastasis** 1984;4(3):134–45

DIAGNOSIS

Clumping of erythroblasts simulating a metastatic neoplasm. Vernon SE. **Arch Pathol Lab Med** 1985 Jun;109(6):569–70

A retrospective study of earliest indicators of recurrence in patients on Eastern Cooperative Oncology Group adjuvant chemotherapy trials for breast cancer. A preliminary report. Pandya KJ, et al. **Cancer** 1985 Jan 1;55(1):202–5

Carcinoma of unknown primary: a 20 year retrospective analysis. Ernstoff MS, et al. **Conn Med** 1985 Mar; 49(3):145–8

Prospective studies of laboratory and radiologic tests in the management of colon and rectal cancer patients: I. Selection of useful preoperative tests through an analysis of surgically occult metastases. Gianola FJ, et al. **Dis Colon Rectum** 1984 Dec;27(12):811–8

Serum thyroglobulin levels in patients with well-differentiated thyroid cancer during suppression therapy: study on 429 patients. Girelli ME, et al. **Eur J Nucl Med** 1985;10(5–6):252–4

Immunohistochemical diagnosis of the metastasizing prostatic carcinoma. Steffens J, et al. **Eur Urol** 1985;11(2):91–4

Evaluating cancer patients for metastases: an approach using Bayes' theorem. Shimm DS. **Int J Radiat Oncol Biol Phys** 1985 Aug;11(8):1563–8

Sonographic demonstration of a patent umbilical vein in portal vein tumor thrombosis. Leekam RN, et al. **J Can Assoc Radiol** 1984 Sep;35(3):316–7

Atypical metastasis from prostate cancer. Clinical utility of the immunoperoxidase technique for prostate-specific antigen. Tell DT, et al. **JAMA** 1985 Jun 28;253(24):3574–5

Metastatic cancer of unknown primary. Swallen TO. **Minn Med** 1985 Aug;68(8):597–601

In-vivo detection of tumours and metastases with (monoclonal) antibodies. Haisma H. **Neth J Med** 1985; 28(3):108–11

[Measurement of mean retention times of 99mTc-labeled HSA-millimicrospheres in the liver––clinical results in patients with operated breast cancer] Szabó Z, et al. **Nuklearmedizin** 1984 Aug;23(4):171–6 (Eng. Abstr.) **(Ger)**

[Metastatic differentiated thyroid cancer. Diagnostic accuracy of thyroglobulin-RIA in comparison with 131I-whole body scintigraphy] Reiners C, et al. **ROFO** 1984 Sep;141(3):306–13 (Eng. Abstr.) **(Ger)**

[Sonography of the upper abdomen––a screening examination in a tumor ambulatory care clinic] Lechmann-van Riemen R, et al. **Ultraschall Med** 1984 Dec;5(6):294–7 (Eng. Abstr.) **(Ger)**

[Cardiac tamponade as a presentation of metastatic extracardiac malignancy] Wishnitzer R, et al. **Harefuah** 1985 Apr 1;108(7):342–4 (Eng. Abstr.) **(Heb)**

[Prognosis of breast cancer (T1–4 No Mo) with reference to anatomo-pathological and clinical factors] Tarquini A, et al. **Minerva Med** 1985 Sep 15;76(34–35):1515–9 (Eng. Abstr.) **(Ita)**

[Importance of the cytological method in detecting the primary tumor site by metastases] Ovezova LR. **Lab Delo** 1984;(8):471–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Metastasis in the androgen-insensitive Nb rat prostatic carcinoma system. Drago JR, et al. **J Surg Oncol** 1985 Apr; 28(4):252–6

[Treatment of metastatic breast cancer with aminoglutethimide after failure of tamoxifen] Brufman G, et al. **Harefuah** 1984 Dec 16;107(12):377–99 (Eng. Abstr.) **(Heb)**

ENZYMOLOGY

Characterization of an extracellular matrix-degrading protease derived from a highly metastatic tumor cell line. Kramer MD, et al. **Eur J Cancer Clin Oncol** 1985 Mar; 21(3):307–16

Cathepsin B-like proteinase as a marker for metastatic tumor cell variants. Köppel P, et al. **Exp Cell Biol** 1984; 52(5):293–9

ETIOLOGY

Invasion of the microcirculation in head and neck cancer. Batsakis JG. **Ann Otol Rhinol Laryngol** 1984 Nov–Dec;93(6 Pt 1):646–7

High-resolution proton nuclear magnetic resonance analysis of metastatic cancer cells. Mountford CE, et al. **Science** 1984 Dec 21;226(4681):1415–8

IMMUNOLOGY

In vivo detection and partial characterization of effector and suppressor cell populations in spleens of mice with large metastatic fibrosarcomas. Dent LA, et al. **Br J Cancer** 1985 Apr;51(4):533–41

Comparison of antibody isotypes in sera and circulating immune complexes during tumor growth and metastasis of three tumor models in mice. McDonald TL, et al. **Cancer Res** 1984 Nov;44(11):4933–7

Genes and antigens controlling tumor metastases. Eisenbach L, et al. **Hamatol Bluttransfus** 1985;29:499–507

Enhancement of the incidence of metastasis in tumor-resected mice. Influence of soluble tumor extract and splenectomy. Klein S, et al. **Invasion Metastasis** 1985; 5(5):309–16

PATHOLOGY

Tumor invasion and metastases: role of the basement membrane. Warner-Lambert Parke-Davis Award lecture. Liotta LA. **Am J Pathol** 1984 Dec;117(3):339–48 (88 ref.)

Inhibition by dihydropyridine class calcium channel blockers of tumor cell-platelet-endothelial cell interactions in vitro and metastasis in vivo. Honn KV, et al. **Biochem Pharmacol** 1985 Jan 15;34(2):235–41

James Ewing lecture. The process of metastasis. Scanlon EF. **Cancer** 1985 Mar 15;55(6):1163–6

Somatic cell fusion as a source of genetic rearrangement leading to metastatic variants. Larizza L, et al. **Cancer Metastasis Rev** 1984;3(3):193–222 (202 ref.)

Quantitative genetic analysis of tumor progression. Ling V, et al. **Cancer Metastasis Rev** 1985;4(2):173–92 (131 ref.)

The role of cell adhesion proteins––laminin and fibronectin––in the movement of malignant and metastatic cells. McCarthy JB, et al. **Cancer Metastasis Rev** 1985; 4(2):125–52 (146 ref.)

Migration of tumor cells to organ-derived chemoattractants. Hujanen ES, et al. **Cancer Res** 1985 Aug;45(8):3517–21

Effects of chemotherapeutic drugs on platelet and metastatic tumor cell-endothelial cell interactions as a model for assessing vascular endothelial integrity. Nicolson GL, et al. **Cancer Res** 1985 Jan;45(1):331–6

Proliferative characteristics of primary and metastatic human solid tumors by DNA flow cytometry. Frankfurt OS, et al. **Cytometry** 1984 Nov;5(6):629–35

Failure to warfarin to affect the tissue factor activity and the metastatic potential of murine fibrosarcoma cells. Lorenzet R, et al. **Eur J Cancer Clin Oncol** 1985 Feb; 21(2):263–5

Different biological behavior of AKR lymphoma cells from primary and metastatic tumors. Leibovici J, et al. **Experientia** 1985 Mar 15;41(3):404–7

Bone marrow metastases––26 years' experience. Hom BL. **Hawaii Med J** 1984 Jul;43(7):220–2

Generation of invasive and metastatic variants of a non-metastatic T-cell lymphoma by in vivo fusion with normal host cells. De Baetselier P, et al. **Int J Cancer** 1984 Nov 15;34(5):731–8

Adoptive immune therapy in mice bearing poorly immunogenic metastases, using T lymphocytes stimulated in vitro against highly immunogenic mutant sublines. Dennis JW, et al. **Int J Cancer** 1984 Nov 15;34(5):709–16

Relationship of a novel extracellular matrix glycoprotein to cell detachment in highly metastatic B16 melanoma: modulating effect of bromodeoxyuridine. Rieber M, et al. **Int J Cancer** 1984 Sep 15;34(3):427–32

Phenotypic interconversion of B16 melanoma clonal cell populations: relationship between metastasis and tumor growth rate. Stackpole CW, et al. **Int J Cancer** 1985 May 15;35(5):667–74

Influence of migratory blood cells on the attachment of tumor cells to vascular endothelium. Starkey JR, et al. **Int J Cancer** 1984 Oct 15;34(4):535–43

Selection of metastatic variants on the basis of clonal morphology in vitro. Clark SR, et al. **Invasion Metastasis** 1984;4 Suppl 1:1–11

Scope and value of bone marrow biopsies in metastatic cancer. Frisch B, et al. **Invasion Metastasis** 1984;4 Suppl 1:12–30

Survival of L1210 and Ehrlich ascites cancer cells after mechanical trauma is a random event. Gabor H, et al. **Invasion Metastasis** 1985;5(2):84–95

Mechanically induced trauma suffered by cancer cells in passing through pores in polycarbonate membranes. Gabor H, et al. **Invasion Metastasis** 1985;5(2):71–83

Nonorganophilic, hematogenous dissemination in the presence of positive lymph nodes of a malignant tumor in rabbits. Gorman JR, et al. **Invasion Metastasis** 1984;4 Suppl 1:44–59

Altered experimental metastasis pattern by proteolytic cell treatment. Hagmar B, et al. **Invasion Metastasis** 1985; 5(1):31–41

Single-step selection of unique human melanoma variants displaying unusually aggressive metastatic behavior in nude athymic mice. Kerbel RS, et al. **Invasion Metastasis** 1984; 4 Suppl 1:31–43

Preferential organ attachment and invasion in vitro by B16 melanoma cells selected for differing metastatic colonization and invasive properties. Nicolson GL, et al. **Invasion Metastasis** 1985;5(3):144–58

Comparative study on Lewis lung tumor lines with 'low' and 'high' metastatic capacity. I. Growth rate, morphology and resistance to host defence. Pál K, et al. **Invasion Metastasis** 1985;5(3):159–69

Growth characteristics of clonal cell populations constituting a B16 melanoma metastasis model system. Stackpole CW, et al. **Invasion Metastasis** 1985;5(3):125–43

Retardation of postsurgical metastases with the use of extracted tumor-specific transplantation antigens and cyclophosphamide. Nomi S, et al. **JNCI** 1984 Oct; 73(4):943–50

Spontaneous and induced metastasis of naturally occurring tumors in mice: analysis of cell shedding into the blood. Price JE, et al. **JNCI** 1984 Dec;73(6):1319–26

Adenocarcinoma of the colon with syncytiotrophoblastic differentiation: differential diagnosis and implications. Metz KA, et al. **Pathol Res Pract** 1985 Jan;179(3):419–24

Neoplasm to neoplasm metastasis. A renal oncocytoma with metastatic bronchogenic carcinoma. Olsen JH, et al. **Scand J Urol Nephrol** 1984;18(3):255–6

Modulation of the metastatic activity of melanoma cells by laminin and fibronectin. Terranova VP, et al. **Science** 1984 Nov 23;226(4677):982–5

[Experimental study of cancer metastasis] Poupon MF, et al. **Bull Cancer (Paris)** 1984;71(5):453–63 (28 ref.) (Eng. Abstr.) **(Fre)**

[Immunocytologic classification of metastases in unknown primary tumors] Altmannsberger M, et al. **Pathologe** 1984 Oct;5(5):269–74 **(Ger)**

[Significance of puncture cytology for the detection of metastases in known and unknown primary tumors from the viewpoint of the oncologist] Kehl A, et al. **Pathologe** 1984 Oct;5(5):243–6 **(Ger)**

[Risk of metastasis in fine needle puncture] Sprenger E. **Pathologe** 1984 Oct;5(5):275–7 **(Ger)**

[Experimental studies on growth inhibition and regression of cancer metastases] Chihara G. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1196–209 (Eng. Abstr.) **(Jpn)**

[Inhibition of metastasis by anti-platelet agents-prostaglandins] Niitsu Y, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1228–34 (Eng. Abstr.) **(Jpn)**

[Mechanism of cancer metastasis and its inhibition––a point of view from clinical aspects] Tsubura E, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1189–95 (Eng. Abstr.) **(Jpn)**

[Possible mechanism of the recognition of the target organ by tumor cells during metastasis] Zolotoreva AG, et al. **Dokl Akad Nauk SSSR** 1985;281(5):1221–4 **(Rus)**

[10-year review of biopsies of metastases in the Metropolitan Hospital Complex of the Social Security Administration] Briceño Icaza CE, et al. **Rev Med Panama** 1985 May; 10(2):77–86 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Correlation of tumor metastasis with sterol carrier protein and plasma membrane sterol levels. Schroeder F, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):283–9

Role of plasma, platelets, and endothelial cells in tumor metastasis. Gasic GJ. **Cancer Metastasis Rev** 1984; 3(2):99–114 (117 ref.)

Cysteine proteinases and metastasis. Sloane BF, et al. **Cancer Metastasis Rev** 1984;3(3):249–63 (124 ref.)

Adhesion and spreading characterization of a rat tumor cell system exhibiting different metastatic behavior. Werling HO, et al. **Invasion Metastasis** 1985;5(5):270–94

The influence of cryosurgery and electrocoagulation upon metastatic spread. Zonnevylle JA, et al. **J Surg Oncol** 1984 Oct;27(2):131–4

Involvement of platelet-released 5-HT in tumor cell lodgement. Skolnik G, et al. **J Surg Res** 1985 Jun; 38(6):559–67

Platelet-tumor cell interaction with the subendothelial extracellular matrix: relationship to cancer metastasis. Yahalom J, et al. **Radiother Oncol** 1985 Apr;3(3):211–25

[Metastasis and stress reactions in the surgical resection of tumors] Balitskiĭ KP, et al. **Eksp Onkol** 1984;6(2):45-8 (Eng. Abstr.) **(Rus)**

[Methods of directly influencing the metastatic process] Balitskiĭ KP. **Vopr Onkol** 1984;30(10):49-54 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Nb rat prostate adenocarcinoma model: metastasis. Drago JR, et al. **Anticancer Res** 1985 Mar-Apr;5(2):193-6

Reduced thoracic vertebrae metastases following post mastectomy parasternal irradiation. Hercbergs A, et al. **Int J Radiat Oncol Biol Phys** 1985 Apr;11(4):773-6

[Antitumor technics in the Oncology Department] Sun DR. **Chung Hua Hu Li Tsa Chih** 1985 Apr;20(2):85-6 **(Chi)**

[Antitumor effect of human interferon-alpha A/D in mice (II). Activation of natural killer cells and suppression of metastasis] Yokoyama T, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 1):510-5 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Computed tomography after gastrectomy in primary gastric carcinoma. Mullin D, et al. **J Comput Assist Tomogr** 1985 Jan-Feb;9(1):30-3

Metastatic disease to the cavernous sinus: clinical syndrome and CT diagnosis. Post MJ, et al. **J Comput Assist Tomogr** 1985 Jan-Feb;9(1):115-20

[Computed tomography in follow-up of differentiated thyroid carcinoma] Hermann HJ, et al. **Rontgenblatter** 1985 May;38(5):159-62 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Concentration of 99mTc-Sn-N-pyridoxyl-5-methyltryptophan, a biliary agent, in distant metastases of hepatomas. Hasegawa Y, et al. **Eur J Nucl Med** 1985;10(5-6):255-8

RADIOTHERAPY

Prophylactic cranial irradiation in small cell lung cancer [letter] Le Chevalier T, et al. **Lancet** 1985 Mar 23; 1(8430):692-3

Behaviour of cell-mediated and humoral immunity in patients with metastasizing mammary carcinoma after adjuvant radiotherapy. Brock A, et al. **Radiobiol Radiother (Berl)** 1984;25(4):537-46

Single exposure of high-dose half-body irradiation in cases of carcinoma of the breast. Schorcht J, et al. **Radiobiol Radiother (Berl)** 1984;25(4):531-5

[Radiation therapy and metastasis--biologic and therapeutic aspects] Milas L. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1605-10 **(Jpn)**

THERAPY

Fundamentals of combating cancer metastasis by oxygen multistep immunostimulation processes. von Ardenne M. **Med Hypotheses** 1985 May;17(1):47-65 (26 ref.)

ULTRASTRUCTURE

Cellular adhesion, invasion and metastasis. Roos E. **Biochim Biophys Acta** 1984;738(4):263-84 (242 ref.)

Morphological and behavioral characteristics of two rat tumor cell lines with different metastatic capacities. Paweletz N, et al. **Scan Electron Microsc** 1984;(Pt 2):783-92

NEOPLASM PROTEINS

Mutations affecting the 12th and 61st amino acids of p21 protein result in decreased probability of beta-turn occurrence around the mutation positions: a prediction. Murakami M. **J Theor Biol** 1985 May 21;114(2):193-8

LDH-viral activity transferred with cell surface antigens of Gardner lymphosarcoma cells. Short communication. Motyčka K, et al. **Z Versuchstierkd** 1984;26(5):209-10

ANALYSIS

Smooth and skeletal muscle myosins in spindle cell tumors of soft tissue. An immunohistochemical study. Saku T, et al. **Acta Pathol Jpn** 1985 Jan;35(1):125-36

Biological and molecular analysis of p53 cellular-encoded tumor antigen. Rotter V, et al. **Adv Cancer Res** 1985; 43:113-41 (72 ref.)

Alpha-foetoprotein in chronic lymphocytic leukaemia. Komlos L, et al. **Asian Pac J Allergy Immunol** 1984 Dec; 2(2):191-4

Immunological analysis of eukaryotic transcription factor S-II in a HeLa cell lysate. Sekimizu K, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):956-61

1H-NMR spectroscopy of the glycoprotein-bound large carbohydrates from embryonal carcinoma cells. Muramatsu H, et al. **Biochem Int** 1984 Nov;9(5):569-75

The biological and clinical significance of HCG-containing cells in seminoma. Butcher DN, et al. **Br J Cancer** 1985 Apr;51(4):473-8

Estrogen-induced 24K protein in MCF-7 breast cancer cells is localized in granules. Ciocca DR, et al. **Breast Cancer Res Treat** 1984;4(4):261-8

Immunosuppressive factor from the spleen in gastric cancer patients. Kanayama H, et al. **Cancer** 1985 Oct 15; 56(8):1963-6

Association of a 97 kilodalton glycoprotein with human ovarian carcinoma. Rao GS, et al. **Cancer Lett** 1985 Apr; 26(3):327-34

Quantitative enzyme-linked immunosorbent assay for the estrogen-regulated Mr 24,000 protein in human breast tumors: correlation with estrogen and progesterone receptors. Adams DJ, et al. **Cancer Res** 1985 Jun; 45(6):2445-9

Monoclonal antibodies to glycoproteins of Vinca alkaloid-resistant human leukemic cells. Danks MK, et al. **Cancer Res** 1985 Jul;45(7):3220-4

Hyperthermia-induced changes in antigen expression on human FME melanoma cells. Davies C de L, et al. **Cancer Res** 1985 Sep;45(9):4109-14

Characterization of monoclonal antibodies to the estrogen-regulated Mr 52,000 glycoprotein and their use in MCF7 cells. Garcia M, et al. **Cancer Res** 1985 Feb; 45(2):709-16

Expression of neoplasia-related proteins of chemically transformed HuT fibroblasts in human osteosarcoma HOS fibroblasts and modulation of actin expression upon elevation of tumorigenic potential. Goldstein D, et al. **Cancer Res** 1985 Jul;45(7):3256-61

Increased labeling of human melanoma cells in vitro using combinations of monoclonal antibodies recognizing separate cell surface antigenic determinants. Krizan Z, et al. **Cancer Res** 1985 Oct;45(10):4904-9

Heterogeneous expression of melanoma-associated antigens and HLA antigens by primary and multiple metastatic lesions removed from patients with melanoma. Natali P, et al. **Cancer Res** 1985 Jun;45(6):2883-9

Characterization of a differentiation-inhibitory activity from nondifferentiating mouse myeloid leukemia cells. Okabe-Kado J, et al. **Cancer Res** 1985 Oct;45(10):4848-52

Changes in polypeptide pattern of rat liver cells during chemical hepatocarcinogenesis. Sugioka Y, et al. **Cancer Res** 1985 Jan;45(1):365-78

Occurrence of cytosolic protein and phosphoprotein changes in human colon tumor cells with the development of resistance to mitomycin C. Taylor CW, et al. **Cancer Res** 1985 Sep;45(9):4422-7

Biological significances in granular cells of ameloblastoma--histochemical identification of sugar residues and filamentous proteins, morphometry and DNA cytometry of granular cells. Mori M, et al. **Cell Mol Biol** 1985;31(4):265-79

Cell-cycle, protein content, and nuclear size in acute myeloid leukemia. Ffrench M, et al. **Cytometry** 1985 Jan;6(1):47-53

Polyoma virus transformation and two-dimensional electrophoresis patterns of baby hamster kidney cell native proteins. Latner AL, et al. **Exp Cell Biol** 1984;52(3):183-8

p21ras. Heterogeneous localization in transformed cells. Myrdal SE, et al. **Exp Cell Res** 1985 Aug;159(2):441-50

HEL and K562 cells: analysis of proteins by two-dimensional gel electrophoresis and comparison to erythroid and nonerythroid cells. Larson AE, et al. **Exp Hematol** 1985 Feb;13(2):129-35

A protein cross-reacting immunohistochemically with rat glutathione S-transferase placental form as a marker for preneoplasia in Syrian hamster pancreatic and hepatocarcinogenesis. Moore MA, et al. **Gann** 1985 Jan; 76(1):1-4

Tumor markers: how useful are they? McIntire KR. **Hosp Pract [Off]** 1984 Dec;19(12):55-68

Immunochemical and biosynthetic analysis of monoclonal antibody-defined melanoma-associated antigen. Bumol TF, et al. **Hybridoma** 1982;1(3):283-92

Phenotypic dynamics of tumor progression in human malignant melanoma. Bröcker EB, et al. **Int J Cancer** 1985 Jul 15;36(1):29-35

Stable quantitative differences of antigen expression in human melanoma cells isolated by flow cytometric cell sorting. Lindmo T, et al. **Int J Cancer** 1984 Oct 15;34(4):507-12

Characterization of cytoplasmically oriented Golgi proteins with a monoclonal antibody. Chicheportiche Y, et al. **J Cell Biol** 1984 Dec;99(6):2200-10

The presence of an estrogen-regulated protein detected by monoclonal antibody in abnormal human endometrium. Ciocca DR, et al. **J Clin Endocrinol Metab** 1985 Jan; 60(1):137-43

Nuclear retinoic acid binding protein in human prostate adenomas. Boyd D, et al. **J Endocrinol** 1985 May; 105(2):157-62

Biochemical and immunohistochemical characterization of proteins in Hürthle cell carcinoma. De Keyser L, et al. **J Endocrinol Invest** 1984 Oct;7(5):449-54

In situ analysis of antigens on malignant and benign cells of the melanocyte lineage. Differential expression of two surface molecules, gp75 and p89. Holzmann B, et al. **J Exp Med** 1985 Feb 1;161(2):366-77

ras Oncogene p21 expression is increased in premalignant lesions and high grade bladder carcinoma. Viola MV, et al. **J Exp Med** 1985 May 1;161(5):1213-8

Immunocytochemical detection of oncomodulin in tumor tissue. Brewer LM, et al. **J Histochem Cytochem** 1984 Oct; 32(10):1009-16

Optimal immunoreactivity of keratin proteins in formalin-fixed, paraffin-embedded tissue requires preliminary trypsinization. An immunoperoxidase study of various tumours using polyclonal and monoclonal antibodies. Pinkus GS, et al. **J Histochem Cytochem** 1985 May;33(5):465-73

Immunochemical analysis of the modulation of human melanoma-associated antigens by DNA recombinant immune interferon. Giacomini P, et al. **J Immunol** 1985 Oct;135(4):2887-94

Recombinant gamma-interferon induces changes in expression and shedding of antigens associated with normal human melanocytes, nevus cells, and primary and metastatic melanoma cells. Herlyn M, et al. **J Immunol** 1985 Jun;134(6):4226-30

Identification of a structure on human melanoma cells recognized by CTL exhibiting anomalous killer cell function. Werkmeister JA, et al. **J Immunol** 1985 Jul; 135(1):689-95

Basement membrane proteins, interstitial collagens, and fibronectin in neurofibroma. Fleischmajer R, et al. **J Invest Dermatol** 1985 Jul;85(1):54-9

Basement membrane and connective tissue proteins in early lesions of Kaposi's sarcoma associated with AIDS. Kramer RH, et al. **J Invest Dermatol** 1985 Jun;84(6):516-20

Expression of a murine B16 melanoma-associated antigen analyzed by flow cytometry. Leong SP, et al. **J Surg Res** 1985 Apr;38(4):383-90

Antibody to epiglycanin and radioimmunoassay to detect epiglycanin-related glycoproteins in body fluids of cancer patients. Codington JF, et al. **JNCI** 1984 Nov;73(5):1029-38

Pathogenesis of desmoplasia. I. Immunofluorescence identification and localization of some structural proteins of line 1 and line 10 guinea pig tumors and of healing wounds. Dvorak HF, et al. **JNCI** 1984 Nov;73(5):1195-205

Expression of collagenase IV (basement membrane collagenase) activity in murine tumor cell hybrids that differ in metastatic potential. Turpeenniemi-Hujanen T, et al. **JNCI** 1985 Jul;75(1):99-103

Practical importance of immunostaining paraffin-embedded biopsy samples of small lymphocytic and follicle centre cell lymphomas for S100 protein [letter] Carbone A, et al. **Lancet** 1985 Sep 14;2(8455):617

Immunosuppressive proteins in the serum from the dog with squamous cell carcinoma. Kuwabara M, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):121-3

Immunosuppressive high molecular glycoproteins in ovarian cancer ascites fluids. Saji F, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):1021-2

Structural effects of substitutions on the p21 proteins. Pincus MR, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(11):3596-300

Analysis of neuroblastoma cell proteins using two-dimensional electrophoresis. Hanash SM, et al. **Prog Clin Biol Res** 1985;175:261-8

Identification of prostate and other cancers by two-dimensional protein electrophoresis. Anderson KM. **Prostate** 1985;6(1):101-16

[Clinical application of monoclonal antibodies to human malignant melanoma-associated antigens] Kageshita T, et al. **Gan To Kagaku Ryoho** 1985 Sep;12(9):1744-8 (Eng. Abstr.) **(Jpn)**

[Fluctuations of cancer tissue cell proteins determined by two-dimensional electrophoresis before and after antineoplastic agent administration--indices of the efficacy of antineoplastic agents] Takahashi T, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):1158-9 **(Jpn)**

[Changes of immune reactivities, immunosuppressive acidic protein (IAP) and carcinoembryonic antigen (CEA) in patients with cervical cancer during and after treatment] Kanda T. **Nippon Gan Chiryo Gakkai Shi** 1984 Aug 20; 19(7):1505-14 (Eng. Abstr.) **(Jpn)**

[Tissue polypeptide antigen in thyroid cancer] Nomizu T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Jul 20; 19(6):1289-95 (Eng. Abstr.) **(Jpn)**

[Immunosuppressive acidic protein (IAP) levels in sarcoidosis] Nakata Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Sep;22(9):751-6 (Eng. Abstr.) **(Jpn)**

[Localization of embryonic prealbumin-1 in the tissues of human malignant tumors] Vasil'ev MIu, et al. **Eksp Onkol** 1985;7(1):33-6 (Eng. Abstr.) **(Rus)**

[Relation between the protein composition of glial tumors and various clinico-morphologic indices] Anton RG, et al. **Zh Vopr Neirokhir** 1984 Jul-Aug;(4):39-43 (Eng. Abstr.) **(Rus)**

[Comparative analysis of membrane glycoproteins of normal and chronic lymphatic leukemia B lymphocytes by lectins] de Dios I, et al. **Rev Esp Fisiol** 1985 Jun;41(2):211-6 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

RNA and protein synthesis of irradiated Ehrlich ascites tumour cells. I. In vivo investigations related to the cell cycle. Skog S, et al. **Acta Radiol [Oncol]** 1985 Jul-Aug; 24(4):375-82

Inhibition of protein synthesis by monoclonal anti-idiotypic antibody-ricin A chain conjugates in MOPC 315 myeloma cells. Marks A, et al. **Anticancer Res** 1985 Jul-Aug; 5(4):431-4

Amplified expression of p21 ras protein in hormone-dependent mammary carcinomas of humans and rodents. DeBortoli ME, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):699-706

Estrogen induces secretary proteins in transformed mouse Leydig cell in vivo, but not in vitro. Sato B, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):277-82

Antiestrogen action in breast cancer cells: modulation of proliferation and protein synthesis, and interaction with estrogen receptors and additional antiestrogen binding sites. Katzenellenbogen BS, et al. **Breast Cancer Res Treat** 1985; 5(3):231–43

Inhibition of protein synthesis and cell proliferation in cultured human breast cancer cells treated with mitoxantrone. Safa AR, et al. **Cancer Lett** 1984 Oct; 24(3):317–26

Cytokeratin filament expression during in vitro teratocarcinoma cell differentiation as detected by a monoclonal antibody. Ramaekers F, et al. **Cell Biol Int Rep** 1984 Sep;8(9):721–30

Biosynthesis of alpha-N-acetylglucosaminidase in cultured human kidney carcinoma cells. Di Natale P, et al. **Enzyme** 1985;33(2):75–83

Superoxide anion generation by polymorphonuclear leukocytes enhanced in a patient with colony-stimulating activity-producing lung cancer. Ichinose Y, et al. **Eur J Cancer Clin Oncol** 1985 Feb;21(2):181–4

Effect of lonidamine on protein synthesis in neoplastic cells. Floridi A, et al. **Exp Mol Pathol** 1985 Jun;42(3):293–305

Production of an auto-stimulatory growth factor by human hepatoma cells abrogates requirement for a brain-derived factor. Hoshi H, et al. **In Vitro Cell Dev Biol** 1985 Feb; 21(2):125–8

Some biological properties of Synadenium grantil lectin. Premaratna A, et al. **Indian J Pathol Microbiol** 1984 Apr; 27(2):91–7

Comparative studies on the heat-induced thermotolerance of protein synthesis and cell division in synchronized mouse neuroblastoma cells. van Dongen G, et al. **Int J Radiat Biol** 1984 Dec;46(6):759–69

Mildiomycin: a nucleoside antibiotic that inhibits protein synthesis. Feduchi E, et al. **J Antibiot (Tokyo)** 1985 Mar; 38(3):415–9

Prolactin-inducible proteins in human breast cancer cells. Shiu RP, et al. **J Biol Chem** 1985 Sep 15;260(20):11307–13

Ca2+ and hormones interact synergistically to stimulate rapidly both prolactin production and overall protein synthesis in pituitary tumor cells. Brostrom MA, et al. **J Cell Physiol** 1984 Nov;121(2):391–401

Bacterial lipopolysaccharide induction of ornithine decarboxylase in the macrophage-like cell line RAW264: requirement of an inducible soluble factor. Taffet SM, et al. **J Cell Physiol** 1985 Feb;122(2):215–20

Overproduction of p53 antigen makes established cells highly tumorigenic. Eliyahu D, et al. **Nature** 1985 Jul 11–17; 316(6024):158–60

Effect of cis-diamminedichloroplatinum (II), cyclophosphamide and tumor age on the rate of mitochondrial and overall cellular protein synthesis in Zajdela hepatoma. Tkáčová E, et al. **Neoplasma** 1985; 32(2):177–80

Growth stage-related synthesis and secretion of proteins by human neuroblastoma cells and their variants. Biedler JL, et al. **Prog Clin Biol Res** 1985;175:209–21

Effects of succinate on amino acid incorporation into protein during chemical carcinogenesis. Fonnesu A, et al. **Toxicol Pathol** 1984;12(4):400–3

Inhibition of macromolecular synthesis in P388 mouse leukemia ascites cells by bouvardin (NSC 259968). Chitnis M, et al. **Tumori** 1985 Jun 30;71(3):261–6

[Effects of aclacinomycin B on biological macromolecular contents and synthesis of L1210 cells] Li ZR, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Jun; 6(3):174–8 (Eng. Abstr.) **(Chi)**

[New knowledge on the molecular mechanism of activation of oncogenes and effect of oncogene DNA on protein synthesis] Kolb E. **Z Gesamte Inn Med** 1984 Dec 15; 39(24):605–11 (Eng. Abstr.) **(Ger)**

[The effects of gastrointestinal hormones on the growth and protein synthesis of human stomach and colon carcinomas] Tanaka J, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 May;82(5):1318–26 (Eng. Abstr.) **(Jpn)**

[Heterogeniety of the amino acid pool for protein synthesis in Ehrlich ascites carcinoma cells] Lishnevskaia EB, et al. **Biokhimiia** 1984 Jul;49(7):1073–9 (Eng. Abstr.) **(Rus)**

[Selective inhibition by chloramphenicol of protein biosynthesis in ascites tumor cells] Bul'diaeva TV, et al. **Eksp Onkol** 1984;6(4):35–8 (Eng. Abstr.) **(Rus)**

[Biochemical heterogeneity of lymphocytes in chronic lympholeukemia based on the analysis of the protein-synthesizing apparatus] Morozova EO, et al. **Vopr Med Khim** 1984 Sep–Oct;30(5):123–7 (Eng. Abstr.) **(Rus)**

BLOOD

Increased plasma proteinase activity of mice bearing the BCL1 leukemia. Hart DA, et al. **Haemostasis** 1985; 15(2):134–43

Evidence for extensive intermolecular disulfide bonds of the proteins of non-ionic detergent high-salt-resistant skeletons of normal lymphocytes, and the altered structure in leukemia. Taş S, et al. **Int J Cancer** 1984 Sep 15; 34(3):329–33

Tumour markers in testicular cancer. Light PA. **J R Soc Med** 1985;78 Suppl 6:19–24

Direct analysis of differentiation proteins in normal and leukemic human granulocytes by high-performance liquid chromatography. Evans WH, et al. **JNCI** 1985 Aug; 75(2):227–35

Effects of double filtration plasmapheresis on immunosuppressive activity of sera of the patients with advanced cancer. Miyazaki M, et al. **Life Support Syst** 1985 Jan–Mar;3(1):92–4

Serum immunosuppressive acidic protein in adult T-cell leukaemia (ATL). Tagawa S, et al. **Scand J Haematol** 1985 May;34(5):360–9

Plasma oncomodulin is proportional to tumour burden in rats bearing Morris hepatomas 5123D, 5123tc, 7288 and 7777. MacManus JP. **Tumour Biol** 1984;5(3–4):189–97

[Diagnosis of malignant diseases using tumor markers] Schneider J. **Biomed Tech (Berlin)** 1984 Nov;29(11):278–82 (22 ref.) (Eng. Abstr.) **(Ger)**

[Studies on CA 125, CA 19-9, TPA and IAP as tumor markers in patients with ovarian cancer] Negishi Y, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):655–63 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of CA 19-9, TPA, IAP and 5'-NPD-V as tumor markers of hepatocellular, bile duct and pancreas carcinoma] Takahashi H, et al. **Gan No Rinsho** 1985 May; 31(6 Suppl):623–30 (Eng. Abstr.) **(Jpn)**

[Analysis of human sera obtained from lung cancer patients by two-dimensional electrophoresis after schizophyllan (SPG) treatment] Akima K, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1278–85 (Eng. Abstr.) **(Jpn)**

[Changes of immunosuppressive acidic protein (IAP) in patients treated with total-body hyperthermia] Maeta M, et al. **Gan To Kagaku Ryoho** 1985 Jan;12(1):163–5 **(Jpn)**

[Studies of the cellular immune response in patients with urinary bladder carcinoma. X. Evaluation of serum IAP and ASP levels] Nishio S, et al. **Hinyokika Kiyo** 1984 Apr; 30(4):449–57 (Eng. Abstr.) **(Jpn)**

[A study of serum immunosuppressive acidic protein levels in germinal testicular cancers] Miki T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Dec;75(12):1883–9 (Eng. Abstr.) **(Jpn)**

[Studies on immunosuppressive acidic protein (IAP) in ovarian tumors] Miyoshi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):923–9 (Eng. Abstr.) **(Jpn)**

[Studies on a serum immunosuppressive factor in multiple myeloma] Funato T, et al. **Rinsho Byori** 1984 Sep; 32(9):997–1001 **(Jpn)**

[Electrophoretic detection of protein p53 in human leukocytes] Paponov VD, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):188–91 (Eng. Abstr.) **(Rus)**

GENETICS

Molecular cloning and characterization of a cDNA clone for a protein specifically expressed in embryo as well as in a chemically induced pancreatic B cell tumor of rat. Soma G, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):164–71

Two classes of cAMP analogs synergistically inhibit p21 ras protein synthesis and phenotypic transformation of NIH/3T3 cells transfected with Ha-MuSV DNA. Tagliaferri P, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1193–200

The use of monoclonal antibodies for selection of a low-abundance mRNA: p53. Benchimol S, et al. **Biochem Soc Trans** 1984 Aug;12(4):708–11

myc-Encoded proteins of chickens and men. Eisenman RN, et al. **Curr Top Microbiol Immunol** 1984;113:192–7

Properties of the myc-gene product: nuclear association, inhibition of transcription and activation in stimulated lymphocytes. Moelling K, et al. **Curr Top Microbiol Immunol** 1984;113:198–207

Changes in protein synthetic profiles during retinoic-acid induction of differentiation of murine embryonal carcinoma cells. Schindler J, et al. **Differentiation** 1984;28(1):78–85

Analysis of the gene coding for the murine cellular tumour antigen p53. Bienz B, et al. **EMBO J** 1984 Sep;3(9):2179–83

Isolation and characterization of a human p53 cDNA clone: expression of the human p53 gene. Matlashewski G, et al. **EMBO J** 1984 Dec 20;3(13):3257–62

Characterization of functional domains of p21 ras by use of chimeric genes. Schejter ED, et al. **EMBO J** 1985 Feb; 4(2):407–12

Harvey murine sarcoma virus p21 ras protein: biological and biochemical significance of the cysteine nearest the carboxy terminus. Willumsen BM, et al. **EMBO J** 1984 Nov; 3(11):2581–5

Identification of the human cellular myc gene product by antibody against the bacterially expressed protein. Benter T, et al. **Hamatol Bluttransfus** 1985;29:266–8

TLym 1, a stage-specific transforming gene which shares homology to MHCI genes and encodes a secreted protein. Lane MA, et al. **Hamatol Bluttransfus** 1985;29:277–9

DNA-mediated transfer of human melanoma cell surface glycoprotein gp130: identification of transfectants by erythrocyte rosetting. Albino AP, et al. **Mol Cell Biol** 1985 Apr;5(4):692–7

The gene and the pseudogene for mouse p53 cellular tumor antigen are located on different chromosomes. Czosnek HH, et al. **Mol Cell Biol** 1984 Aug;4(8):1638–40

Proteins encoded by the human c-myc oncogene: differential expression in neoplastic cells. Hann SR, et al. **Mol Cell Biol** 1984 Nov;4(11):2486–97

Molecular cloning and in vitro expression of a cDNA clone for human cellular tumor antigen p53. Harlow E, et al. **Mol Cell Biol** 1985 Jul;5(7):1601–10

Post-transcriptional regulation of the abundance of mRNAs encoding alpha-tubulin and a 94,000-dalton protein in teratocarcinoma-derived stem cells versus differentiated cells. Howe CC, et al. **Mol Cell Biol** 1984 Nov; 4(11):2428–36

Expression of the mouse p53 cellular tumor antigen in monkey cells. Pinhasi O, et al. **Mol Cell Biol** 1984 Oct; 4(10):2180–6

Inactivation of p53 gene expression by an insertion of Moloney murine leukemia virus-like DNA sequences. Wolf D, et al. **Mol Cell Biol** 1984 Jul;4(7):1402–10

The ras oncogene product p21 is not a regulatory component of adenylate cyclase. Beckner SK, et al. **Nature** 1985 Sep 5–11;317(6032):71–2

Participation of p53 cellular tumour antigen in transformation of normal embryonic cells. Eliyahu D, et al. **Nature** 1984 Dec 13–19;312(5995):646–9

c-myc oncogene protein synthesis is independent of the cell cycle in human and avian cells. Hann SR, et al. **Nature** 1985 Mar 28–Apr 3;314(6009):366–9

Cellular immortalization by a cDNA clone encoding the transformation-associated phosphoprotein p53. Jenkins JR, et al. **Nature** 1984 Dec 13–19;312(5995):651–4

Cell immortalization and transformation by the p53 gene [news] Lane DP. **Nature** 1984 Dec 13–19;312(5995):596–7

Human gamma-chain genes are rearranged in leukaemic T cells and map to the short arm of chromosome 7. Murre C, et al. **Nature** 1985 Aug 8–14;316(6028):549–52

Cooperation between gene encoding p53 tumour antigen and ras in cellular transformation. Parada LF, et al. **Nature** 1984 Dec 13–19;312(5995):649–51

Antibodies specific for amino acid 12 of the ras oncogene product inhibit GTP binding. Clark R, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5280–4

Expression of p21ras in fresh primary and metastatic human colorectal tumors. Gallick GE, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1795–9

Intrinsic GTPase activity distinguishes normal and oncogenic ras p21 molecules. Gibbs JB, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5704–8

Cell lines and clinical isolates derived from Ph1-positive chronic myelogenous leukemia patients express c-abl proteins with a common structural alteration. Konopka JB, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1810–4

Major deletions in the gene encoding the p53 tumor antigen cause lack of p53 expression in HL-60 cells. Wolf D, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):790–4

Mammalian and yeast ras gene products: biological function in their heterologous systems. DeFeo-Jones D, et al. **Science** 1985 Apr 12;228(4696):179–84

Detection of c-sis transcripts and synthesis of PDGF-like proteins by human osteosarcoma cells. Graves DT, et al. **Science** 1984 Nov 23;226(4677):972–4

The neu gene: an erbB-homologous gene distinct from and unlinked to the gene encoding the EGF receptor. Schechter AL, et al. **Science** 1985 Sep 6;229(4717):976–8

Transformation associated p53 protein is encoded by a gene on human chromosome 17. Benchimol S, et al. **Somatic Cell Mol Genet** 1985 Sep;11(5):505–10

[Changes in the gene of the cellular T-antigen (p53) in human tumors] Ninkina NN, et al. **Dokl Akad Nauk SSSR** 1985; 281(4):958–60 **(Rus)**

[Oncoproteins––the products of oncogenes. Tyrosine protein kinases] Kiselev LL. **Mol Biol (Mosk)** 1985 Mar–Apr; 19(2):309–32 (195 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunohistological detection of human malignant melanoma using monoclonal antibody to a melanoma-associated antigen. Kageshita T, et al. **Arch Dermatol Res** 1985; 277(4):334–6

Immunological reactivity of tumor associated glycoproteins prepared by affinity chromatography. Walzel H, et al. **Arch Geschwulstforsch** 1984;54(6):451–61

Location of an epitopic site on epiglycanin by molecular immunoelectron microscopy. Wold JK, et al. **Biochem J** 1985 Apr 1;227(1):231–7

Ex vivo elimination of neoplastic T-cells from human marrow using an anti-Mr 41,000 protein immunotoxin: potentiation by ASTA Z 7557. Uckun FM, et al. **Blut** 1985 Jan;50(1):19–23

Imaging with 131I-labeled monoclonal antibodies to a high-molecular-weight melanoma-associated antigen in patients with melanoma: efficacy of whole immunoglobulin and its F(ab')2 fragments. Buraggi GL, et al. **Cancer Res** 1985 Jul;45(7):3378–87

Radiolocalization of xenografted human malignant melanoma by a monoclonal antibody (9.2.27) to a melanoma-associated antigen in nude mice. Hwang KM, et al. **Cancer Res** 1985 Sep;45(9):4150–5

Radioimmunoimaging in malignant melanoma with 111In-labeled monoclonal antibody 96.5. Murray JL, et al. **Cancer Res** 1985 May;45(5):2376–81

Identification of target proteins participating in a lectin-dependent macrophage-mediated cytotoxic reaction. Ohkuma Y, et al. **Cancer Res** 1985 Jan;45(1):288–92

Pharmacokinetics of 111In-labeled anti-p97 monoclonal antibody in patients with metastatic malignant melanoma. Rosenblum MG, et al. **Cancer Res** 1985 May;45(5):2382–6

Precise epitope mapping of the murine transformation-associated protein, p53. Wade-Evans A, et al. **EMBO J** 1985 Mar;4(3):699–706

Suppression of human melanoma growth in nude mice injected with anti high-molecular-weight melanoma-associated antigen monoclonal antibody 225.28S conjugated to purothionin. Matsui M, et al. **Gann** 1985 Feb; 76(2):119–23

Production and characterization of monoclonal antibody to a 60-kD glycoprotein in ovarian carcinoma. Bhattacharya M, et al. **Hybridoma** 1985 Summer;4(2):153–62

Comparison of cell-surface human melanoma-associated antigens identified by rabbit and murine antibodies. Bystryn JC, et al. **Hybridoma** 1982;1(4):465–72

Reactivity spectrum of 30 monoclonal antimelanoma antibodies to a panel of 28 melanoma and control cell lines. Carrel S, et al. **Hybridoma** 1982;1(4):387–97

Serological and biochemical analyses of monoclonal antibodies to human melanoma-associated antigens. Harper JR, et al. **Hybridoma** 1982;1(4):423–32

Workshop on monoclonal antibodies to human melanoma-associated antigens: findings of the Seattle group. Hellström I, et al. **Hybridoma** 1982;1(4):399–402

Comparative study of the binding characteristics of monoclonal antimelanoma antibodies. Herlyn M, et al. **Hybridoma** 1982;1(4):403–11

Tissue specificity of anti melanoma monoclonal antibodies analyzed on cell lines. Johnson JP, et al. **Hybridoma** 1982; 1(4):381–5

Analysis of the NIH workshop monoclonal antibodies to human melanoma antigens. Kantor RR, et al. **Hybridoma** 1982;1(4):473–82

Analysis of hybridoma-exchange antibodies. Lloyd KO, et al. **Hybridoma** 1982;1(4):461–3

Production and characterization of monoclonal antibody to a melanoma specific glycoprotein. Morgan AC Jr, et al. **Hybridoma** 1981;1(1):27–36

Monoclonal antibodies to 125 kd and 95 kd proteins on human melanoma cells: comparison with other monoclonal-defined melanoma antigens. Saxton RE, et al. **Hybridoma** 1982;1(4):433–45

Multiple assay characterization of murine monoclonal antimelanoma antibodies. Stuhlmiller GM, et al. **Hybridoma** 1982;1(4):447–60

D6.1, a murine antimelanoma monoclonal antibody from congenitally athymic nude mice immunized with purified melanoma tumor-associated antigen. Stuhlmiller GM, et al. **Hybridoma** 1984 Winter;3(4):333–46

Immunogenicity of melanoma-associated gangliosides in cancer patients. Tai T, et al. **Int J Cancer** 1985 May 15; 35(5):607–12

Structure and epitope specificity of human melanoma-associated oncofetal antigen gp87 analyzed with monoclonal antibodies. Liao SK, et al. **J Dermatol (Tokyo)** 1985 Apr;12(2):117–28

Analysis of the interaction between a human high molecular weight melanoma-associated antigen and the monoclonal antibodies to three distinct antigenic determinants. Giacomini P, et al. **J Immunol** 1985 Jul;135(1):696–702

Immunoreactivity and biodistribution of indium-111-labeled monoclonal antibody to a human high molecular weight-melanoma associated antigen. Fawwaz RA, et al. **J Nucl Med** 1985 May;26(5):488–92

A monoclonal antibody which detects a 125 kd glycoprotein on embryonal carcinoma cells and is mitogenic for murine spleen cells. Stern P, et al. **J Reprod Immunol** 1984 Aug; 6(5):313–28

Carcinoma-specific Ulex europaeus agglutinin-I binding glycoproteins of human colorectal carcinoma and its relation to carcinoembryonic antigen. Matsushita Y, et al. **JNCI** 1985 Aug;75(2):219–26

Intratumor localization of monoclonal antibody in patients with melanoma treated with antibody to a 250,000-dalton melanoma-associated antigen. Schroff RW, et al. **JNCI** 1985 Feb;74(2):299–306

Paraneoplastic myelopathy: antibodies against protein in normal spinal cord and underlying neoplasm [letter] Babikian VL, et al. **Lancet** 1985 Jul 6;2(8445):49–50

Circulating immune complexes in chronic myeloid leukemia: studies on 37 K protein antigen. Chhajlani V, et al. **Leuk Res** 1984;8(6):985–95

Efficient generation of antibodies to oncoproteins by using synthetic peptide antigens. Tanaka T, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3400–4

Antibodies to intermediate filament proteins in the diagnosis and classification of human tumors. Miettinen M, et al. **Ultrastruct Pathol** 1984;7(2–3):83–107 (207 ref.)

[Transplantation immunity to a UV-induced murine sarcoma by injection of a glycoprotein fraction from the tumor] Pasternak L, et al. **Arch Geschwulstforsch** 1985;55(1):17–21 (Eng. Abstr.) **(Ger)**

[Evaluation of a monoclonal antibody (CA 19-9 system) in gastrointestinal disease--in comparison with CEA and IAP] Furukawa M, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Feb 20;20(1):25–30 (Eng. Abstr.) **(Jpn)**

[Characterization of human AFP producing stomach cancer xenotransplanted in nude mice and effect of a conjugate of MMC and antibody to human AFP on this tumor] Takahashi Y. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jan; 82(1):18–27 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Distribution and properties of type I and type II binding proteins in the cyclic adenosine 3':5'-monophosphate-dependent protein kinase system in Wilms' tumor. Nakajima F, et al. **Cancer Res** 1984 Nov; 44(11):5182–7

Specificity of Kirkman-Robbins hepatoma non-histone chromatin proteins: electrophoretic and immunological analyses. Krajewska WM, et al. **Cell Biochem Funct** 1985 Jan;3(1):53–60

NADH-specific dihydropteridine reductase in mastocytoma P-815 cells. Nakanisi N, et al. **Comp Biochem Physiol [B]** 1984;78(3):515–8

A type-II DNA topoisomerase and a catenating protein from the transplantable VX2 carcinoma. Riou GF, et al. **Eur J Biochem** 1985 Feb 1;146(3):483–8

Isolation of a lipolytic factor (toxohormone-L) from ascites fluid of patients with hepatoma and its effect on feeding behavior. Masuno H, et al. **Eur J Cancer Clin Oncol** 1984 Sep;20(9):1177–85

Identification of transformation-specific proteins synthesized in cryptovirogenic mammalian cells. Grófová M, et al. **Folia Biol (Praha)** 1985;31(2):152–60

Purification, physicochemical characterization, and antitumor activity of a cancer-associated human serum protein that is increased by treatment with schizophyllan, an antitumor polysaccharide. Akima K, et al. **Gann** 1985 Jun;76(6):541–8

Identification and isolation of melanoma-associated antigens with monoclonal antibodies. Ross AH, et al. **Hybridoma** 1982;1(4):413–21

Purification from a human lung cancer cell line of a water soluble molecule mediating leukocyte adherence inhibition for patients with lung cancer. Thomson DM, et al. **Int J Cancer** 1985 Jun 15;35(6):707–14

An 18K protein from ascites hepatoma cell depolymerizes actin filaments rapidly. Ohta Y, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1547–58

Purification of a mammary-derived growth factor from human milk and human mammary tumors. Bano M, et al. **J Biol Chem** 1985 May 10;260(9):5745–52

Class 1 (unique) tumor antigens of human melanoma. Identification of a 90,000 dalton cell surface glycoprotein by autologous antibody. Real FX, et al. **J Exp Med** 1984 Oct 1;160(4):1219–33

Isolation, purification, and characterization of a mouse plasmacytoma cell surface glycoprotein involved in the resistance of the tumor cells to immune destruction. Rosenstein Y, et al. **JNCI** 1985 Mar;74(3):609–16

Ectopic peptides released by a human melanoma cell line that modulate the transformed phenotype. De Larco JE, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5015–9

Leukemia-derived growth factor (non-interleukin-2) produced by murine lymphoma T-cell lines. Hays EF, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7807–11

Subcellular localization of the product of the long open reading frame of human T-cell leukemia virus type I. Goh WC, et al. **Science** 1985 Mar 8;227(4691):1227–8

The 23-million-dollar quest pays off [news] Marx JL. **Science** 1985 Oct 11;230(4722):161

Isolation and characterization of two proteins copurifying with carcinoembryonic antigen. Grunert F, et al. **Tumour Biol** 1984;5(5):221–32

[Isolation of factors responsible for the immunosuppression found in tumor-bearing animals] Ishida N. **Yakugaku Zasshi** 1985 Feb;105(2):91–108 (28 ref.) (Eng. Abstr.) **(Jpn)**

METABOLISM

Surface-glycoprotein patterns of established human lung cancer cell lines and primary cultures. Bergh J, et al. **Anticancer Res** 1985 Jul–Aug;5(4):323–8

Degradation of surface-labeled hepatoma membrane polypeptides: effect of inhibitors. Hare JF, et al. **Arch Biochem Biophys** 1984 Sep;233(2):547–55

Inhibition of phospholipid/Ca2+-dependent protein kinase and phosphorylation of leukemic cell proteins by CP-46,665-1, a novel antineoplastic lipoidal amine. Shoji M, et al. **Biochem Biophys Res Commun** 1985 Mar 15; 127(2):590–5

Ca2+-dependent and phorbol ester activating phosphorylation of a 36K-dalton protein of rat basophilic leukemia cell membranes and immunoprecipitation of the phosphorylated protein with IgE-anti IgE system. Teshima R, et al. **Biochem Biophys Res Commun** 1984 Dec 28; 125(3):867–74

Loss of epidermal growth factor receptors and release of transforming growth factors do not correlate with sarcoma virus-transformation in clonally-related NIH/3T3-derived cell lines. Brown KD, et al. **Biochem J** 1985 Jul 1; 229(1):119–25

Detection of the c-myc oncogene product in testicular cancer. Sikora K, et al. **Br J Cancer** 1985 Aug;52(2):171–6

Specific protein phosphorylation in human promyelocytic HL-60 leukemia cells susceptible or resistant to induction of cell differentiation by phorbol-12-myristate-13-acetate. Anderson NL, et al. **Cancer Res** 1985 Oct;45(10):4955–62

Cell-free system studies on the phosphorylation of the 17,000-20,000 dalton protein induced by phorbol ester in human leukemic cells and evidence for a similar event in virally transformed murine fibroblasts. Feuerstein N, et al. **Cancer Res** 1985 Jul;45(7):3243–51

Effect of tunicamycin on release of macromolecules and tumor antigens by human melanoma cells. Johnston D, et al. **Cancer Res** 1985 Apr;45(4):1772–7

Phospholipid- and Ca2+-dependent protein kinase activity and protein phosphorylation patterns in the differentiation of human promyelocytic leukemia cell line HL-60. Zylber-Katz E, et al. **Cancer Res** 1985 Oct;45(10):5159–64

Effect of methylglyoxal on tumour microtubular protein. Miglietta A, et al. **Cell Biochem Funct** 1985 Jan;3(1):9–11

Release of an Mr 140,000 glycoprotein in the culture media of certain human sarcoma and melanoma cell lines. Bízik J, et al. **Eur J Cancer Clin Oncol** 1985 Mar;21(3):317–24

Phosphorylation and dephosphorylation of human promyelocytic leukemia cell (HL-60) proteins by tumor promoter. Mita S, et al. **Exp Cell Res** 1984 Oct;154(2):492–9

Lack of correlation between loss of anchorage-independent growth and levels of transformation-specific p53 protein in retinoic acid-treated F9 embryonal carcinoma cells. Rodrigues M, et al. **Exp Cell Res** 1985 Jan;156(1):22–30

Discontinuous RNA and protein synthesis and accumulation during cell cycle of Ehrlich ascites tumour cells. Skog S, et al. **Exp Cell Res** 1985 Aug;159(2):510–8

The role of p53 in growth of mouse fibroblast lines. Wynford-Thomas D, et al. **Exp Cell Res** 1985 Jul; 159(1):191–200

Relationship of phosphorylation to the oligomerization of SV40 T antigen and its association with p53. Stürzbecher HW, et al. **FEBS Lett** 1985 Jan 28;180(2):285–90

Alteration of the extracellular matrix of cultured human keratinocytes by transformation and during differentiation. Brown KW, et al. **Int J Cancer** 1985 Jun 15;35(6):799–807

Further study of beta-TGFs released by virally transformed and non-transformed cells. Krycève-Martinerie C, et al. **Int J Cancer** 1985 Apr 15;35(4):553–8

Changes in K+,Na+-sensitive actin gelation factor during the differentiation of myeloid leukemia cells. Takagi K, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):605–16

Thyrotropin-releasing hormone rapidly activates protein phosphorylation in GH3 pituitary cells by a lipid-linked, protein kinase C-mediated pathway. Drust DS, et al. **J Biol Chem** 1984 Dec 10;259(23):14520–30

Electrophoretic analysis of the cytoplasmic and nuclear protein changes after induction of differentiation in WEHI-3B myelomonocytic leukemia cells. Cooper PC, et al. **J Cell Biochem** 1984;25(3):161–82

A T-lymphoma transmembrane glycoprotein (gp180) is linked to the cytoskeletal protein, fodrin. Bourguignon LY, et al. **J Cell Biol** 1985 Aug;101(2):477–87

Regional homology in GTP-binding proto-oncogene products and elongation factors. Halliday KR. **J Cyclic Nucleotide Protein Phosphor Res** 1983–84; 9(6):435–48 (43 ref.)

Intracellular location and kinetics of complex formation between simian virus 40 T antigen and cellular protein p53. Schmieg FI, et al. **J Virol** 1984 Nov;52(2):350–5

Cytoplasmic retinoic acid-binding protein in retinoic acid-resistant human breast cancer sublines. Lacroix A, et al. **JNCI** 1984 Oct;73(4):793–800

An increase of the regulating factor for chromatin-dependent RNA polymerase II reactions in the tightly-bound chromatin fraction by glucocorticoid injection. Okai Y. **Mol Biol Rep** 1985 Apr;10(3):169–71

Biochemical properties of a highly purified v-rasH p21 protein overproduced in Escherichia coli and inhibition of its activities by a monoclonal antibody. Hattori S, et al. **Mol Cell Biol** 1985 Jun;5(6):1449–55

Metabolic turnover of human c-rasH p21 protein of EJ bladder carcinoma and its normal cellular and viral homologs. Ulsh LS, et al. **Mol Cell Biol** 1984 Aug; 4(8):1647–52

Characterization of the protein apparently responsible for the elevated tyrosine protein kinase activity in LSTRA cells. Voronova AF, et al. **Mol Cell Biol** 1984 Dec; 4(12):2705–13

Specific expression of the human cellular fps/fes-encoded protein NCP92 in normal and leukemic myeloid cells. Feldman RA, et al. **Proc Natl Acad Sci USA** 1985 Apr; 82(8):2379–83

Evidence that a 90-kDa phosphoprotein, an associated kinase, and a specific phosphatase are involved in the regulation of Cloudman melanoma cell proliferation by insulin. Fleischmann RD, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1007–11

Multiply drug-resistant human KB carcinoma cells have decreased amounts of a 75-kDa and a 72-kDa glycoprotein. Richert N, et al. **Proc Natl Acad Sci USA** 1985 Apr; 82(8):2330–3

Ascites hepatoma: a model system to investigate cell protein degradation in the animal as well as in vitro. Baccino FM, et al. **Prog Clin Biol Res** 1985;180:595–7

Endogenous phosphorylation in Dunning prostate tumors of rats treated with LH-RH analogues. Cehovic G, et al. **Prostate** 1984;5(6):605–11

Homologies between signal transducing G proteins and ras gene products. Hurley JB, et al. **Science** 1984 Nov 16; 226(4676):860–2

The product of the c-fms proto-oncogene: a glycoprotein with associated tyrosine kinase activity. Rettenmier CW, et al. **Science** 1985 Apr 19;228(4697):320–2

S-100 protein distribution in liposarcoma. An immunoperoxidase study with special reference to the distinction of liposarcoma from myxoid malignant fibrous histiocytoma. Hashimoto H, et al. **Virchows Arch [A]** 1984; 405(1):1–10

[Nuclear nonhistone proteins of hepatomas and the liver in rats after the action of hepatic carcinogens and the operation of partial hepatectomy] Fel' VIa, et al.

Dokl Akad Nauk SSSR 1984;279(4):1008–11 **(Rus)**

[Lactoferrin in human lung tumors] Sergeeva NS, et al. **Eksp Onkol** 1985;7(2):64–7 (Eng. Abstr.) **(Rus)**

[Initial stages in the mechanism of protein glycosylation in human breast neoplasms] Santa Cruz AR, et al. **Rev Esp Oncol** 1983;30(2):171–8 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Initiation of DNA synthesis in the liver and other tissues of adult mice by a growth factor (EACF) isolated from acellular fluid of the Ehrlich ascites carcinoma. Yeh HW, et al. **Biosci Rep** 1985 Mar;5(3):205–14

Regulation of plasminogen activator activity in human fibroblastic cells by fibrosarcoma cell-derived factors. Saksela O, et al. **Cancer Res** 1985 May;45(5):2314–9

Induction of suppressor cells by a tumor-derived suppressor factor. Jessup JM, et al. **Cell Immunol** 1985 Jun;93(1):9–25

Effects of immunosuppressive acidic protein on DMBA-induced pancreatic cancer in rats. Matsuno S, et al. **Tohoku J Exp Med** 1984 Oct;144(2):189–202

[Effects of immunosuppressive acidic protein on 7, 12-dimethylbenzanthracene (DMBA) induced pancreatic cancer in rats] Ejiri T, et al. **Nippon Geka Gakkai Zasshi** 1984 Jun;85(6):555–62 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Transient reversion of ras oncogene-induced cell transformation by antibodies specific for amino acid 12 of ras protein. Feramisco JR, et al. **Nature** 1985 Apr 18–24; 314(6012):639–42

The transformation-related p53 protein: a potential regulator of cell proliferation. Mercer WE, et al. **Prog Clin Biol Res** 1985;177:171–91

Growth factor enhancement of the in vitro stem cell assay. Spitzer G, et al. **Recent Results Cancer Res** 1984;94:253–66

[Glia maturation factor (GMF) and the malignant proliferation of glioma cells] Ito J, et al. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1955–63 **(Jpn)**

RADIATION EFFECTS

UV irradiation stimulates levels of p53 cellular tumor antigen in nontransformed mouse cells. Maltzman W, et al. **Mol Cell Biol** 1984 Sep;4(9):1689–94

[Gamma-irradiation induced weakening of the stability of the DNA bond with nuclear matrix proteins] S'iakste NI, et al. **Med Radiol (Mosk)** 1985 Mar;30(3):74–6 **(Rus)**

SECRETION

Three secretory rates in human hepatoma cells. Parent JB, et al. **Biochim Biophys Acta** 1985 Jul 30;846(1):44–50

Effect of tunicamycin on release of macromolecules and tumor antigens by human melanoma cells. Johnston D, et al. **Cancer Res** 1985 Apr;45(4):1772–7

Induced secretion of a Mr 46,000 protein by cultured human hepatoma cells treated with tumor promoters. Yoneda Y, et al. **Cancer Res** 1985 May;45(5):2863–8

URINE

Purification and characterization of a low molecular weight transforming growth factor from the urine of melanoma patients. Kim MK, et al. **J Biol Chem** 1985 Aug 5; 260(16):9237–43

Urinary cancer-related protein EDC1 and serum inter-alpha trypsin inhibitor in breast cancer. Chawla RK, et al. **Tumour Biol** 1984;5(6):351–63

NEOPLASM RECURRENCE, LOCAL

Local recurrence following anterior resection for carcinoma of the rectum with a stapled anastomosis. Bokey EL, et al. **Acta Chir Scand** 1984;150(8):683–6

Contributions of pathologic margins and Dukes' stage to local recurrence in colorectal carcinoma. Devereux DF, et al. **Am J Surg** 1985 Mar;149(3):323–6

Late relapse from cutaneous stage I malignant melanoma. Shaw HM, et al. **Arch Surg** 1985 Oct;120(10):1155–9

Survival following local skin recurrence after mastectomy. Fentiman IS, et al. **Br J Surg** 1985 Jan;72(1):14–6

Local recurrence after potentially curative resection for rectal cancer in a series of 1008 patients. McDermott FT, et al. **Br J Surg** 1985 Jan;72(1):34–7

Prediction of recurrence after mastectomy for operable breast cancer. Nixon SJ, et al. **Br J Surg** 1985 Jan;72(1):7–9

Height, weight, and risk of breast cancer relapse. Eberlein T, et al. **Breast Cancer Res Treat** 1985;5(1):81–6

Patterns of relapse in locally advanced head and neck cancer patients who achieved complete remission after combined modality therapy. Hong WK, et al. **Cancer** 1985 Sep 15; 56(6):1242–5

Erythema nodosum heralding recurrent Hodgkin's disease. Simon S, et al. **Cancer** 1985 Sep 15;56(6):1470–2

Criteria and definitions for response and relapse in children with brain tumors. Zeltzer PM, et al. **Cancer** 1985 Oct 1; 56(7 Suppl):1824–6

Transient spontaneous regression of an anterior mediastinal mass. Weaver GR, et al. **Chest** 1985 Apr;87(4):547–8

Factors influencing local recurrence after abdominoperineal resection for cancer of the rectum. Adloff M, et al. **Dis Colon Rectum** 1985 Jun;28(6):413–5

Local recurrence of rectal carcinoma after hand-sewn and stapled anastomoses. Rosen CB, et al. **Dis Colon Rectum** 1985 May;28(5):305–9

The sialomucin content of colonic resection margins. Wood CB, et al. **Dis Colon Rectum** 1985 Apr;28(4):260–1

Recurrent operated malignant pheochromocytoma. Marinescu I, et al. **Endocrinologie** 1985 Jan–Mar;23(1):61–6

Cervical recurrence following radical neck dissection for carcinoma of the oral cavity. Ozeki S, et al. **Fukuoka Igaku Zasshi** 1985 Feb;76(2):37–43

Colon Ca: a second recurrence? Khokhar N. **Hosp Pract [Off]** 1985 Aug 15;20(8):100, 102

Pediatric brain stem tumors: patterns of treatment failure and their implications for radiotherapy. Halperin EC. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1293–8

Breast relapse following primary radiation therapy for early breast cancer. I. Classification, frequency and salvage. Recht A, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul; 11(7):1271–6

Test of recurrence after experimental radiation therapy of chemically induced autochthonous tumors in mosaic mice. Tanooka H, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug; 11(8):1551–5

Patterns of failure in carcinoma of the nasopharynx: I. Failure at the primary site. Vikram B, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug;11(8):1455–9

Biopsy and survival of malignant melanoma. Rampen FH, et al. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):385–8

Sites of recurrence in resected stage I non-small-cell lung cancer: a guide for future studies. Feld R, et al. **J Clin Oncol** 1984 Dec;2(12):1352–8

Multiple recurrence of digital pigmented villonodular tenosynovitis: a case report. Adamson BE, et al. **J Hand Surg [Am]** 1985 Mar;10(2):278–80

The enigma of post-radiation oedema and residual or recurrent carcinoma of the larynx and pyriform fossa. Bahadur S, et al. **J Laryngol Otol** 1985 Aug;99(8):763–5

Suprasellar recurrence of third nerve neurinoma [letter] Vaquero J, et al. **J Neurosurg** 1985 Feb;62(2):317

Recurrence rate of positive margin basal cell carcinoma: results of a five-year prospective study. De Silva SP, et al. **J Surg Oncol** 1985 Jan;28(1):72–4

Early recurrence following induction chemotherapy for stage IV head and neck cancers: rationale for additional therapy. O'Donnell MR, et al. **J Surg Oncol** 1985 Mar;28(3):207–8

Diagnosis and operation for locally recurrent rectal cancer. Takagi H, et al. **J Surg Oncol** 1985 Apr;28(4):290–6

Prostatic biopsy in selected patients with carcinoma in situ of the bladder: preliminary report. Grabstald H. **J Urol** 1984 Dec;132(6):1117–8

Relapse in Hodgkin's disease [editorial] **Lancet** 1985 Aug 24; 2(8452):424–6

Duration of cytostatic therapy [letter] van Assendelft AH. **Lancet** 1985 Jun 15;1(8442):1386

Urothelial dysplasia concomitant with bladder tumours: a determinant for future new occurrences in patients treated by full-course radiotherapy. Wolf H, et al. **Lancet** 1985 May 4;1(8436):1005–8

The conservation neck dissection. Deutsch EC, et al. **Laryngoscope** 1985 May;95(5):561–5

Latent papillomavirus and recurring genital warts. Ferenczy A, et al. **N Engl J Med** 1985 Sep 26;313(13):784–8

Factors associated with prognosis in human breast cancer. V. The simultaneous use of estrogen and progesterone receptor measurements for prediction of short-term relapse. Pascual MR, et al. **Neoplasma** 1985;32(2):247–56

Superficial TCC bladder cancer: the impact of tumor differentiation on recurrence, progression and survival. Kurth KH. **Prog Clin Biol Res** 1984;162A:307–18

Tumor recurrence following partial cystectomy. Pontes JE, et al. **Prog Clin Biol Res** 1984;162A:387–92

The analysis of results in prophylactic superficial bladder cancer studies. Sylvester R. **Prog Clin Biol Res** 1985; 185B:3–11

Interstitial radiotherapy of carcinoma of the bladder at the Rotterdam Radiotherapy Institute (RRTI). Van der Werf-Messing BH, et al. **Prog Clin Biol Res** 1984; 162B:71–85

Local recurrence after sphincter-saving resection for rectal and rectosigmoid carcinoma. Value of various diagnostic methods. Grabbe E, et al. **Radiology** 1985 May; 155(2):305–10

Thomsen-Friedenreich antigen in bladder tumors as detected by specific antibody: a possible marker of recurrence. Ohoka H, et al. **Urol Res** 1985;13(2):47–50

Tuberculous peritonitis developing in a case of documented peritoneal carcinomatosis. Markman M. **West J Med** 1985 Jul;143(1):103–5

Differentiated carcinoma of the thyroid gland [letter] Steiner Z, et al. **World J Surg** 1985 Feb;9(1):182–4

[Leiomyoma and leiomyosarcoma of the vulva] Smit WL, et al. **S Afr Med J** 1984 Dec 22–29;66(25):961–2 (Eng. Abstr.) **(Afr)**

[Granulosa cell tumor. A case with primary peritoneal carcinosis and recurrence after 24 years] Asschenfeldt P, et al. **Ugeskr Laeger** 1984 Jun 25;146(26):1938 (Eng. Abstr.) **(Dan)**

[Favorable outcome of a recurring malignant adrenocortical tumor under O,P'-DDD therapy] Levy JM, et al. **Ann Pediatr (Paris)** 1985 Jun;32(6):541–4 (Eng. Abstr.) **(Fre)**

[Loco-regional recurrence of cancer of the rectum] Fabris G, et al. **Minerva Chir** 1985 Feb 15;40(3):113–4 **(Ita)**

[Local recurrence after surgery of cancer of the rectum. Risk factors, diagnostic and therapeutic possibilities] Frego M, et al. **Minerva Chir** 1985 Feb 15;40(3):109–12 (Eng. Abstr.) **(Ita)**

[Axillary recurrence after surgical therapy of carcinoma of the breast. Significance and treatment] Latteri M, et al. **Minerva Chir** 1985 Jan 15–31;40(1–2):1–6 (Eng. Abstr.) **(Ita)**

[Changes in grading at bladder tumor recurrence] Uchida T, et al. **Hinyokika Kiyo** 1984 Dec;30(12):1785–91 (Eng. Abstr.) **(Jpn)**

[A case of malignant pheochromocytoma recurring 12 years after initial surgery] Tahara H, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Feb;76(2):252–6 (Eng. Abstr.) **(Jpn)**

[Intravesical recurrence and malignant progression in superficial bladder tumors] Yokokawa M, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Mar;76(3):378–82 (Eng. Abstr.) **(Jpn)**

[Computer tomography in the diagnosis of abscesses and recurrences following radical surgery for cancer of the rectum] Gabuniia RI, et al. **Khirurgiia (Mosk)** 1985 Mar; (3):38–41 (Eng. Abstr.) **(Rus)**

[Prediction of recurrences of various benign skeletal neoplasms among children and adolescents by the chief component method] Bakhtiiarova VI, et al. **Ortop Travmatol Protez** 1984 Oct;(10):30–4 (Eng. Abstr.) **(Rus)**

[Meaning of the concept 'local recurrence' following surgical treatment of malignant melanoma of the skin] Anisimov VV. **Vopr Onkol** 1985;31(1):32–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

The effect of oestrogen and progesterone receptors on recurrence and survival in patients with carcinoma of the breast. Howat JM, et al. **Br J Cancer** 1985 Feb;51(2):263–70

BLOOD

Retinol and postoperative colorectal cancer patients. Basu TK, et al. **Br J Cancer** 1985 Jan;51(1):61–5

Late recurrence of gestational trophoblastic disease. Jones WB, et al. **Gynecol Oncol** 1985 Jan;20(1):83–91

[Value of radioimmunological serum levels of carcinoembryonic antigen in the postoperative monitoring of rectocolonic cancer] Reginster JY, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 Jul–Sep;20(4):203–6 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Percutaneous aspiration biopsy in perineal recurrences after abdominoperineal extirpations. Erös A, et al. **Acta Chir Hung** 1985;26(3):145–9

Detection of recurrent rectosigmoid carcinoma: prospective evaluation of CT and clinical factors. McCarthy SM, et al. **AJR** 1985 Mar;144(3):577–9

Malignant melanoma, evaluation of clinical follow up by questionnaire survey. Regan MW, et al. **Br J Plast Surg** 1985 Jan;38(1):11–4

Tumor-antigen TA-4 in the detection of recurrence in cervical squamous cell carcinoma. Kato H, et al. **Cancer** 1984 Oct 15;54(8):1544–6

A retrospective study of earliest indicators of recurrence in patients on Eastern Cooperative Oncology Group adjuvant chemotherapy trials for breast cancer. A preliminary report. Pandya KJ, et al. **Cancer** 1985 Jan 1;55(1):202–5

Blind pan-esophageal brush cytology. Diagnostic accuracy. Aste H, et al. **Endoscopy** 1984 Sep;16(5):165–7

Breast relapse following primary radiation therapy for early breast cancer. II. Detection, pathologic features and prognostic significance. Schnitt SJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1277–84

Recurring Kaposi's sarcoma of the foot. A case report. Richter PA, et al. **J Am Podiatr Med Assoc** 1985 Mar; 75(3):162–5

Nerve tumours in the upper limb. A clinical review. Holdsworth BJ. **J Hand Surg [Br]** 1985 Jun;10(2):236–8

Second-look laparoscopy in ovarian cancer. Xygakis AM, et al. **J Reprod Med** 1984 Aug;29(8):583–85

Detection of recurrent cancer of the colon and rectum. Graffner H, et al. **J Surg Oncol** 1985 Feb;28(2):156–9

Emerging impact of flow cytometry in predicting recurrence and survival in breast cancer patients. McGuire WL, et al. **JNCI** 1985 Sep;75(3):405–10

Serum CEA levels facilitate detection of recurrences of cancer in patients after gastrectomy. Tamada R, et al. **Jpn J Surg** 1985 Jan;15(1):23–9

Pregnancy-associated plasma protein A and extensive necrosis. Clinically significant predictors of early recurrence in stage I estrogen receptor-negative breast carcinoma. Kuhajda FP, et al. **Lab Invest** 1985 Jul; 53(1):101–7

Radiation fibrosis: differentiation from recurrent tumor by MR imaging. Glazer HS, et al. **Radiology** 1985 Sep; 156(3):721–6

A histochemical method that predicts local recurrence after curative resection in carcinoma of the colon and rectum. Habib N, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):436–8

[Control after radical operation for colorectal cancer] Meisner S, et al. **Ugeskr Laeger** 1984 Dec 3;146(49):3826–9

NEWARK PUBLIC LIBRA

(Eng. Abstr.) (Dan)

[Diagnosis of tumor recurrence following curative treatment of rectosigmoid cancers] Detry R, et al. **Acta Gastroenterol Belg** 1984 Jul-Aug;47(4):370-5 (Eng. Abstr.) (Fre)

[Detection of recurrence in patients with differentiated epithelioma of the thyroid] Schlumberger M, et al. **Ann Med Interne (Paris)** 1984;135(5):351-5 (Eng. Abstr.) (Fre)

[Follow-up of women following treatment of breast cancer] Gairard B, et al. **Rev Fr Gynecol Obstet** 1985 May; 80(6):369-75 (Eng. Abstr.) (Fre)

[Rectal sonography--an expansion of the diagnosis of recurrent cervical neoplasms] Bernaschek G, et al. **Geburtshilfe Frauenheilkd** 1984 Aug;44(8):495-7 (Eng. Abstr.) (Ger)

[Preliminary mid-term results of an intensive follow-up protocol for cancer of the rectum] Tropea A, et al. **Minerva Chir** 1984 Dec 15-31;39(23-24):1659-64 (Eng. Abstr.) (Ita)

[Follow-up in a patient treated for carcinoma of the breast] Zola P, et al. **Minerva Ginecol** 1985 Jun;37(6):303-5 (Ita)

[Combined colonoscopic and radiometric diagnosis of recurrences of cancer of the large intestine] Poddubnyĭ BK, et al. **Klin Med (Mosk)** 1984 Jul;62(7):90-2 (Rus)

[Clinical picture and treatment of recurrent lymphosarcomas after radiotherapy] Kruglova GV, et al. **Ter Arkh** 1985; 57(5):110-4 (Eng. Abstr.) (Rus)

[Systematic monitoring of the postoperative rectum] Girona-Trigueros J, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 May-Jun; 20(3):143-9 (Eng. Abstr.) (Spa)

DRUG THERAPY

Assessment of bleomycin, adriamycin and mitomycin-C in the treatment of recurrent cervical cancer. Meanwell CA, et al. **Br J Obstet Gynaecol** 1985 Jul;92(7):756-61

Treatment of advanced and recurrent ovarian carcinoma with cyclophosphamide, doxorubicin, and cisplatin. Belinson JL, et al. **Cancer** 1984 Nov 1;54(9):1983-90

Combined modality therapy for first recurrence of breast cancer. A Southwest Oncology Group study. Hoogstraten B, et al. **Cancer** 1984 Nov 15;54(10):2248-56

Treatment of recurrent or advanced uterine sarcoma. A randomized trial of doxorubicin versus doxorubicin and cyclophosphamide (a phase III trial of the Gynecologic Oncology Group). Muss HB, et al. **Cancer** 1985 Apr 15; 55(8):1648-53

Cisplatin in recurrent pediatric brain tumors. A POG Phase II study. A Pediatric Oncology Group Study. Sexauer CL, et al. **Cancer** 1985 Oct 1;56(7):1497-501

A randomized prospective comparison of methotrexate with a combination of methotrexate, bleomycin, and cisplatin in head and neck cancer. Vogl SE, et al. **Cancer** 1985 Aug 1;56(3):432-42

Evaluation of cisplatin in children with recurrent brain tumors. Diez B, et al. **Cancer Treat Rep** 1985 Jul-Aug; 69(7-8):911-3

The treatment of recurrent and metastatic cervical carcinoma. Evaluation of an antiblastic combination of methotrexate-adriamycin-bleomycin (MAB). Adamo V, et al. **Chemioterapia** 1985 Apr;4(2):143-6

Cisplatin and doxorubicin for locally recurrent and metastatic childhood rhabdomyosarcoma. Pratt CB, et al. **Chemioterapia** 1984 Aug;3(4):207-10

Effect of AZQ (1,4-cyclohexadiene-1,4-diacarbamic acid-2,5-bis(1-aziridinyl)-3,6 -dioxodiethylester) in recurring supratentorial malignant brain gliomas--a Phase II study. EORTC Brain Tumour Cooperative Group [letter] **Eur J Cancer Clin Oncol** 1985 Jan;21(1):143-6

Therapeutic effects of PS-K and busulfan on the recurrent and metastatic diseases after the surgical removal of 3-methylcholanthrene-induced autochthonous tumors in C57BL/6 mice. Hosokawa M, et al. **Gann** 1985 Jan; 76(1):61-7

Recurrent ovarian carcinoma: retreatment utilizing combination chemotherapy including cis-diamminedichloroplatinum in patients previously responding to this agent. Seltzer V, et al. **Gynecol Oncol** 1985 Jun;21(2):167-76

Evaluation of estrogen dependency of human breast cancers. II. Clinical evaluation of tamoxifen in advanced primary and recurrent breast cancer. Nishiki M, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):163-6

Phase II study of aziridinylbenzoquinone (AZQ: NSC-182986) in the treatment of malignant gliomas recurrent after radiation. Preliminary report. Decker DA, et al. **J Neurooncol** 1985;3(1):19-21

Phase II evaluation of dibromodulcitol in the treatment of recurrent medulloblastoma, ependymoma, and malignant astrocytoma. Levin VA, et al. **J Neurosurg** 1984 Dec; 61(6):1063-8

Primary carcinoma of the fallopian tube: favourable response to new chemotherapeutic agent, CHIP. Wong WS, et al. **J R Soc Med** 1985 Mar;78(3):203-6

Vindesine/cisplatin chemotherapy in relapsed or primarily resistant small-cell carcinoma of the lung. Niederle N, et al. **Klin Wochenschr** 1984 Aug 16;62(16):783-6

Cis-platinum, doxorubicin, and methotrexate treatment for recurrent cervical cancer. Wheelock JB, et al. **Obstet Gynecol** 1985 Sep;66(3):410-2

Management of advanced carcinoma of the breast. Howell A, et al. **Practitioner** 1985 Mar;229(1401):255-62

Adjuvant chemotherapy of superficial transitional cell carcinoma: an E.O.R.T.C. randomized trail comparing doxorubicin hydrochloride, ethoglucid and TUR-alone. Kurth KH, et al. **Prog Clin Biol Res** 1985;185B:135-42

Whole bladder photodynamic therapy for transitional cell carcinoma of bladder. Nseyo UO, et al. **Urology** 1985 Sep; 26(3):274-80

[Phase II trial of mitoguazone in patients with recurrent extensive cervicofacial tumors (letter)] Coninx P, et al. **Bull Cancer (Paris)** 1985;72(2):153-4 (Fre)

[Therapy of recurrent squamous cell cancers in the ENT area with the sequential methotrexate (MTX)/5-fluorouracil (5-Fu) protocol] Scherlacher A, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):58-61 (Eng. Abstr.) (Ger)

[Clinical studies on chemo-immunotherapy for advanced and recurrent carcinoma of the breast] Kikuchi K, et al. **Gan To Kagaku Ryoho** 1985 Jul;12(7):1476-81 (Eng. Abstr.) (Jpn)

[Effect of CAF'-endocrine therapy on advanced and recurrent breast cancer] Une Y, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 2):2778-81 (Eng. Abstr.) (Jpn)

[Reactivation of prostatic cancer and chemotherapy in reactivated prostatic cancer] Fuse H, et al. **Hinyokika Kiyo** 1985 Feb;31(2):281-7 (Eng. Abstr.) (Jpn)

[Application of peplomycin sulfate to the recurrent and metastatic breast cancer] Numata M, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Aug 20;19(7):1521-5 (Eng. Abstr.) (Jpn)

[Chemo-endocrine-immuno therapy with adriamycin, tamoxifen and OK-432 for advanced breast cancer] Sawai K, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Jul 20; 19(6):1315-20 (Eng. Abstr.) (Jpn)

[Low-grade, low-stage transitional carcinoma of the bladder. Analysis of 147 cases] Escudero Barrilero A, et al. **Actas Urol Esp** 1985 Mar-Apr;9(2):135-46 (Eng. Abstr.) (Spa)

ETIOLOGY

Growth hormone therapy and tumor recurrence. Findings in children with brain neoplasms and hypopituitarism. Arslanian SA, et al. **Am J Dis Child** 1985 Apr;139(4):347-50

Relation between recurrence of cancer of the colon and blood transfusion. Blumberg N, et al. **Br Med J [Clin Res]** 1985 Apr 6;290(6474):1037-9

Relation between cancer of the colon and blood transfusion [letter] Frankish PD, et al. **Br Med J [Clin Res]** 1985 Jun 15;290(6484):1827

Anastomotic recurrences after low anterior resection. Stapled vs. hand-sewn. Leff EI, et al. **Dis Colon Rectum** 1985 Mar; 28(3):164-7

Gastric remnant cancer following procedures for benign ulcer disease--a twenty-five year review. Greene FL, et al. **J SC Med Assoc** 1984 Oct;80(10):495-7

Long survival of primary cerebral lymphoma with progressive radiation necrosis. Merchut MP, et al. **Neurology** 1985 Apr;35(4):552-6

Perioperative blood transfusion has prognostic significance for breast cancer. Tartter PI, et al. **Surgery** 1985 Feb; 97(2):225-30

[Local recurrence following anterior rectum resection--manual versus stapler suture] Metzger U, et al. **Chirurg** 1985 Apr;56(4):266-8 (Eng. Abstr.) (Ger)

[Recurrence following cryosurgical basalioma therapy] Sebastian G, et al. **Dermatol Monatsschr** 1985;171(1):38-44 (Eng. Abstr.) (Ger)

[Comparative studies of local recurrence following sphincter preserving anterior rectal resection and primary rectal excision 1980-1983] von Gottberg C, et al. **Zentralbl Chir** 1985;110(2-3):172-6 (Eng. Abstr.) (Ger)

[Anastomotic recurrence after sphincter saving resection for carcinoma of the rectum] Hojo K. **Nippon Geka Gakkai Zasshi** 1984 Dec;85(12):1537-44 (Eng. Abstr.) (Jpn)

[Analysis of factors causing recurrences of acute leukemia after completed treatment] Kazanowska B, et al. **Pediatr Pol** 1985 Jan;60(1):21-9 (Eng. Abstr.) (Pol)

[Factors affecting the occurrence of cancer relapses in the intrathoracic portion of the esophagus after radical treatment] Cholokashvili LD. **Vopr Onkol** 1985;31(7):39-41 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Natural cytotoxicity and interferon production in patients with recurrent respiratory papillomatosis. Naiman HB, et al. **Ann Otol Rhinol Laryngol** 1984 Sep-Oct;93(5 Pt 1):483-7

Immunostaining for carcinoembryonic antigen does not discriminate for early recurrence in breast cancer. The ECOG experience. Gilchrist KW, et al. **Cancer** 1985 Jul 15;56(2):351-5

MORTALITY

Postsurgical stage I bronchogenic carcinoma: morbid implications of recurrent disease. Pairolero PC, et al. **Ann Thorac Surg** 1984 Oct;38(4):331-8

[Patterns of recurrence and survival in breast cancer] Sekiguchi K, et al. **Gan No Rinsho** 1984 Nov; 30(14):1739-45 (Eng. Abstr.) (Jpn)

[Mode of recurrence and prognosis on non-Hodgkin's lymphoma of Waldeyer's ring] Takenaka T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Jul 20;19(6):1272-80 (Eng. Abstr.) (Jpn)

OCCURRENCE

Abdominal relapses in irradiated second National Wilms' Tumor Study patients. Thomas PR, et al. **J Clin Oncol** 1984 Oct;2(10):1098-101

Prediction of recurrence in incompletely excised basal cell carcinoma. Dellon AL, et al. **Plast Reconstr Surg** 1985 Jun; 75(6):860-71

[Retrospective study of the incidence of recurrences at 6 months in the treatment of transitional bladder tumors] Frea B, et al. **Minerva Urol Nefrol** 1984 Jul-Sep;36(3):237-9 (Eng. Abstr.) (Ita)

[Determination of discriminatory power of prognostic factors for recurrence of breast cancer] Murayama Y, et al. **Nippon Geka Gakkai Zasshi** 1984 Dec;85(12):1518-22 (Eng. Abstr.) (Jpn)

[A statistical study of management based on prognostic factors after surgical treatment for cervical carcinoma] Maeda T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Nov;36(11):2106-14 (Eng. Abstr.) (Jpn)

PATHOLOGY

Presacral masses after abdominoperineal resection for colorectal carcinoma: the need for needle biopsy. Butch RJ, et al. **AJR** 1985 Feb;144(2):309-12

The frequency of local recurrence and microsatellites as a guide to reexcision margins for cutaneous malignant melanoma. Kelly JW, et al. **Ann Surg** 1984 Dec; 200(6):759-63

Simultaneous local recurrence of retroperitoneal paraganglioma with liver metastases. Aviram R, et al. **Arch Pathol Lab Med** 1985 Apr;109(4):373-4

Long term follow-up in cutaneous malignant melanoma: the relationship of maximal tumour thickness to disease free survival, disease recurrence and death. Griffiths RW, et al. **Br J Plast Surg** 1984 Oct;37(4):507-13

Female adnexal tumor of probable Wolffian origin with multiple recurrences over 16 years. Brescia RJ, et al. **Cancer** 1985 Sep 15;56(6):1456-61

Correlation of human bladder tumor recurrence with changes in clonogenicity of urothelial cells. Noronha RF, et al. **Cancer** 1985 Oct 1;56(7):1574-7

The influence of surgical margins and prognostic factors predicting the risk of local recurrence in 3445 patients with primary cutaneous melanoma. Urist MM, et al. **Cancer** 1985 Mar 15;55(6):1398-402

Desmoplastic fibroma of the first metatarsal. A case report. Beskin JL, et al. **Clin Orthop** 1985 May;(195):299-303

Aggressive osteoblastoma. A case report and review of the literature. Kenan S, et al. **Clin Orthop** 1985 May;(195):294-8

Upper tract tumours in patients with vesico-ureteral reflux and recurrent bladder tumours. Mukamel E, et al. **Eur Urol** 1985;11(1):6-8

Late recurrence of renal cell carcinoma after nephrectomy. Nakano E, et al. **Eur Urol** 1984;10(5):347-9

Recurrent carcinoma of the vagina following Okabayashi's radical hysterectomy for cervical carcinoma. Chen NJ, et al. **Gynecol Oncol** 1985 Jan;20(1):10-6

A clinicopathological appraisal of treatment, complications and recurrence in giant-cell tumour of bone. Tuli SM, et al. **Indian J Cancer** 1984 Mar-Apr;21(1):14-22

Recurrence of cystic central mucoepidermoid tumor of the mandible. Report of a case with 3 recurrences in 7 years. Pincock JL, et al. **Int J Oral Surg** 1985 Feb;14(1):81-4

Sialadenoma papilliferum. A case report and review of the literature. Rennie JS, et al. **Int J Oral Surg** 1984 Oct; 13(5):452-4

Bladder cancer: pattern of recurrence in 142 patients. Timmer PR, et al. **Int J Radiat Oncol Biol Phys** 1985 May; 11(5):899-905

Perioperative blood transfusions are associated with increased rates of recurrence and decreased survival in patients with high-grade soft-tissue sarcomas of the extremities. Rosenberg SA, et al. **J Clin Oncol** 1985 May;3(5):698-709

Recurrent dysplastic nevus following shave excision. Duray PH, et al. **J Dermatol Surg Oncol** 1984 Oct;10(10):811-5

Verrucous Bowen's disease of the plantar foot. Grekin RC, et al. **J Dermatol Surg Oncol** 1984 Sep;10(9):734-6

Merkel cell carcinoma of the face. Case report and review of the literature. von Domarus H, et al. **J Maxillofac Surg** 1985 Feb;13(1):39-43

Sarcoma of nerve sheath of head and neck. Cutchavaree A, et al. **J Med Assoc Thai** 1984 Aug;67(8):448-55

Recurrence of an ameloblastoma in an autogenous iliac bone graft. Stea G. **J Oral Maxillofac Surg** 1985 May;43(5):374-7

Primary chondrosarcoma of the kidney. Nativ O, et al. **J Urol** 1985 Jul;134(1):120-1

Recurrence of intrathoracic esophageal cancer. Isono K, et al. **Jpn J Clin Oncol** 1985 Mar;15(1):49-60

Maxillary ameloblastoma with orbital invasion. A clinicopathologic study. Weiss JS, et al. **Ophthalmology** 1985 May;92(5):710-3

Recurrent calcifying odontogenic cyst. Wright BA, et al. **Oral Surg Oral Med Oral Pathol** 1984 Nov;58(5):579-83

Histologic study of recurrent basal cell carcinoma. Dellon

AL. **Plast Reconstr Surg** 1985 Jun;75(6):853-9

Random biopsies and recurrence rates in bladder tumors. Ruacan S, et al. **Turk J Pediatr** 1984;26(1-4):227-32

Metastatic extraosseous myxoid chondrosarcoma of spermatic cord. Christenson PJ, et al. **Urology** 1985 Sep; 26(3):301-3

Prostatic biopsy after irradiation therapy for prostatic cancer. Scardino PT, et al. **Urology** 1985 Feb;25(2 Suppl):39-46

[Papillary recurrence of glioma of the optic nerve] Malan P, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):671-4 (Eng. Abstr.) **(Fre)**

[Recurrent benign tumors of the parotid gland and their tendency for becoming malignant] Mann W, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Mar;64(3):133-5 (Eng. Abstr.) **(Ger)**

[Significance of local tumor associated infiltration of mononuclear leukocytes for persistent tumor formations following transurethral resection (TUR) of bladder cancers] Flamm J. **Z Urol Nephrol** 1985 Feb;78(2):65-70 (Eng. Abstr.) **(Ger)**

[Recurrence following staged treatment of cervical cancer in stage Ia] Lotze W, et al. **Zentralbl Gynakol** 1985; 107(7):411-7 (Eng. Abstr.) **(Ger)**

[Histological verification of the recurrence of early gynecologic tumor and primary tumors by puncture biopsy] Rössel F, et al. **Zentralbl Gynakol** 1984;106(14):1022-4 (Eng. Abstr.) **(Ger)**

[Retrovesical sarcoma (rhabdomyosarcoma): report of a case and a review of 46 cases in Japan] Banya Y, et al. **Hinyokika Kiyo** 1984 Jun;30(6):829-44 (Eng. Abstr.) **(Jpn)**

[Incidence of local recurrence and regional lymph node metastasis of cancer of the tongue in relation to the location of the tumor] Ohyama W. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Nov;87(11):1483-93 (Eng. Abstr.) **(Jpn)**

[Recurrence of Madelung's syndrome] Michurin VF, et al. **Klin Khir** 1985 May;(5):62-3 **(Rus)**

[Uterine cervix cancer recurring after irradiation. Analysis of 130 inoperable cases] Torres Lobatoń A, et al. **Ginecol Obstet Mex** 1983 Feb;51(310):49-54 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Pain therapy in the recurrence of colorectal cancer] Schilling K. **Zentralbl Chir** 1985;110(2-3):177-85 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Management to prevent high-sited recurrence of pharyngo-laryngeal cancers. Remacle M, et al. **Acta Otorhinolaryngol Belg** 1984;38(5):464-73

Adriamycin instillations as recurrence prophylaxis in superficial urinary bladder cancer. Jauhiainen K, et al. **Ann Chir Gynaecol** 1984;73(4):206-10

Recurrence prophylaxis of bladder cancer. Pavone-Macaluso M. **Ann Chir Gynaecol** 1984;73(4):243

Evaluation of the efficacy of oral methotrexate in the prevention of recurrence of superficial bladder tumours. Nogueira March JL, et al. **Br J Urol** 1985 Jun;57(3):306-7

The management of recurrent rectal carcinoma. Ketcham AS. **Can J Surg** 1985 Sep;28(5):422-4

Thiotepa versus adriamycin versus cis-platinum in the intravesical prophylaxis of superficial bladder tumors. Llopis B, et al. **Eur Urol** 1985;11(2):73-8

Adjuvant postoperative pelvic radiation for carcinoma of the uterine cervix: pattern of cancer recurrence in patients undergoing elective radiation following radical hysterectomy and pelvic lymphadenectomy [letter] Fletcher GH. **Int J Radiat Oncol Biol Phys** 1985 May; 11(5):1060

Local hyperthermia in combination with definitive radiotherapy: increased tumor clearance, reduced recurrence rate in extended follow-up. Scott RS, et al. **Int J Radiat Oncol Biol Phys** 1984 Nov;10(11):2119-23

A pilot study of adjuvant therapy in patients with cervical cancer at high risk of recurrence after radical hysterectomy and pelvic lymphadenectomy. Wertheim MS, et al. **J Clin Oncol** 1985 Jul;3(7):912-6

The use of bacillus Calmette-Guerin in the therapy of bladder carcinoma in situ. Brosman SA. **J Urol** 1985 Jul;134(1):36-9

The management of superficial bladder tumors and carcinoma in situ with intravesical bacillus Calmette-Guerin. deKernion JB, et al. **J Urol** 1985 Apr;133(4):598-601

Intravesical bacillus Calmette-Guerin [illegible]rapy for superficial bladder cancer: effect of bacillus [illegible]tte-Guerin viability on treatment results. Kelley DR [illegible] al. **J Urol** 1985 Jul; 134(1):48-53

Bacillus Calmette-Guerin immunotherapy for bladder cancer. Lamm DL. **J Urol** 1985 Jul;134(1):40-7

Effects of extended systematic lymphadenectomy for adenocarcinoma of the rectum--significant improvement of survival rate and decrease of local recurrence. Koyama Y, et al. **Jpn J Clin Oncol** 1984 Dec;14(4):623-32

Intravesical treatment with thiotepa: an update review. Fosså SD. **Prog Clin Biol Res** 1984;162B:163-8

Methotrexate for superficial bladder cancer. Hall RR. **Prog Clin Biol Res** 1985;185B:143-9

Retinoids in superficial bladder tumours update. Khoury S. **Prog Clin Biol Res** 1984;162B:347-54

Plasma levels during intravesical instillation of mitomycin-C. Kurth KH, et al. **Prog Clin Biol Res** 1985;185B:81-93

Management of superficial bladder carcinoma with BCG. Long term follow-up. Martínez-Piñeiro JA. **Prog Clin Biol Res** 1984;162B:335-45

Cobalt therapy prophylaxis of recurrence of T1 bladder cancer. Pow-Sang J, et al. **Prog Clin Biol Res** 1984; 162B:33-7

Resume of selected studies of the National Bladder Cancer Collaborative Group A and new protocols. Prout GR Jr, et al. **Prog Clin Biol Res** 1984;162B:397-427

Intravesical chemotherapy--other agents. Smith PH, et al. **Prog Clin Biol Res** 1984;162B:173-9

Therapy of bladder tumors with the neodymium-YAG laser--a critical assessment. Staehler G, et al. **Prog Clin Biol Res** 1984;162B:369-83

Laser treatment of bladder cancer. Smith JA Jr. **Semin Urol** 1985 Feb;3(1):2-9

Neodymium:YAG laser irradiation of urinary bladder tumors. Follow-up study of 100 consecutively treated patients. Beisland HO, et al. **Urology** 1985 Jun;25(6):559-63

[Prevention of recurrence in urinary bladder tumors by intravesical instillation treatment with adriamycin] Flamm J, et al. **Urologe [Ausg A]** 1985 Jan;24(1):31-5 (Eng. Abstr.) **(Ger)**

[Recurrence prevention of papillomas of the bladder using lycurim instillation] Zárandy B, et al. **Z Urol Nephrol** 1984 Oct;77(10):599-603 (Eng. Abstr.) **(Ger)**

[Prevention of the recurrence of bladder tumors with local adriamycin therapy] Somogyi L, et al. **Orv Hetil** 1984 Oct 7;125(41):2503-6 (Eng. Abstr.) **(Hun)**

[Prophylaxis of recurrence of superficial bladder tumor by diluted postoperative continuous intravesical instillation of anti-tumor solutions] Uchida T, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Mar;76(3):354-9 (Eng. Abstr.) **(Jpn)**

[Antirecurrence action of preparations made from Listeria in the surgical removal of sarcoma 180] Kadykova TN, et al. **Eksp Onkol** 1985;7(1):40-2 (Eng. Abstr.) **(Rus)**

[The effect of antitumor vaccine on the recurrence of solid tumors in mice subjected to surgery] Zatula DG, et al. **Eksp Onkol** 1984;6(1):47-9 (Eng. Abstr.) **(Rus)**

[Evaluation of the efficacy of oral methotrexate in the prophylaxis of recurrences of superficial tumors of the bladder] Nogueira March JL, et al. **Actas Urol Esp** 1984 Sep-Oct;8(5):391-4 (Eng. Abstr.) **(Spa)**

[Prevention of the recurrence of cholesteatomas in reconstructive tympanoplasties (apropos of 314 cases)] Paiva A, et al. **An Otorrinolaringol Ibero Am** 1984; 11(4):299-305 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

CT evaluation of local and regional breast cancer recurrence. Lindfors KK, et al. **AJR** 1985 Oct;145(4):833-7

Carcinoma of nasopharynx: CT scans improve radiotherapy techniques (report of 25 cases). Huang YR. **Comput Radiol** 1984 Sep-Oct;8(5):263-9

The role of CT in the evaluation of ovarian malignancy. Amendola MA. **CRC Crit Rev Diagn Imaging** 1985; 24(4):329-68 (120 ref.)

Panoramic zonography in evaluation of recurrent basal cell carcinoma of the face. Hallikainen D, et al. **Eur J Radiol** 1984 Nov;4(4):285-7

Osteoblastoma of the temporal bone: CT findings. Gellad FE, et al. **J Comput Assist Tomogr** 1985 May-Jun; 9(3):577-9

Computed tomography after gastrectomy in primary gastric carcinoma. Mullin D, et al. **J Comput Assist Tomogr** 1985 Jan-Feb;9(1):30-3

Recurrent and metastatic retroperitoneal hemangiopericytoma. Hacken JB, et al. **J Comput Tomogr** 1985 Jul;9(3):257-9

A case of spinal paraganglioma. Solymosi L, et al. **Neuroradiology** 1985;27(3):217-9

Roentgen diagnosis of carcinoma of the postoperative stomach. Hamada T, et al. **Radiat Med** 1984 Apr-Jun; 2(2):116-22

The neck after total laryngectomy: CT study. DiSantis DJ, et al. **Radiology** 1984 Dec;153(3):713-7

Thoracic wall involvement by Hodgkin disease and non-Hodgkin lymphoma: CT evaluation. Press GA, et al. **Radiology** 1985 Oct;157(1):195-8

Severe postlaminectomy kyphosis treatment by total vertebrectomy (plus late recurrence of childhood spinal cord astrocytoma). Winter RB, et al. **Spine** 1984 Oct; 9(7):690-4

[CT following abdominosacral amputation of the rectum--a critical study of methods] Klöppel R, et al. **Radiol Diagn (Berl)** 1984;25(5):497-505 (Eng. Abstr.) **(Ger)**

[Use of computed tomography in the diagnosis of uterine carcinoma recurrence--comparison with other imaging technics] Räber G, et al. **Radiol Diagn (Berl)** 1985; 26(3):325-37 (Eng. Abstr.) **(Ger)**

[Initial results in the mammographic diagnosis of recurrences following tylectomy and irradiation] Heywang SH, et al. **ROFO** 1984 Oct;141(4):438-41 (Eng. Abstr.) **(Ger)**

[Computed tomography in follow-up of differentiated thyroid carcinoma] Hermann HJ, et al. **Rontgenblatter** 1985 May;38(5):159-62 (Eng. Abstr.) **(Ger)**

[Value of irrigoscopy and computed tomography in the detection of recurrent gynecologic tumors] Schratter M, et al. **Rontgenpraxis** 1985 Mar;38(3):96-100 **(Ger)**

[Computer tomography in the diagnosis of recurrence of rectal and colonic cancer] Rotte KH. **Zentralbl Chir** 1985; 110(2-3):89-92 (Eng. Abstr.) **(Ger)**

[Computer tomography in the diagnosis of space-occupying gynecologic processes. 3: Use of computer tomography in the diagnosis of recurrence of uterine cancers] Räber G, et al. **Zentralbl Gynakol** 1985;107(3):146-58 (Eng. Abstr.) **(Ger)**

[Xeroradiography in the evaluation of surgical scars and in research on recurrence of sarcomas in soft tissues] Nessi R, et al. **Radiol Med (Torino)** 1984 Mar;70(3):97-102 (Eng. Abstr.) **(Ita)**

[Clinical x-ray characteristics of chondrosarcoma of the facial skeleton] Bakhtiiarova VI, et al. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):40-1 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Detection of neuroblastoma with 131I-meta-iodobenzylguanidine. Voute PA, et al. **Prog Clin Biol Res** 1985;175:389-98

[Value of radioisotope scintigraphy for assessment of recurrence of the neoplastic process in the central nervous system of children. Preliminary report] Jedrzejczak T, et al. **Pediatr Pol** 1984 Jul;59(7):551-6 (Eng. Abstr.) **(Pol)**

RADIOTHERAPY

Neck dissection and combined therapy. Study of effectiveness. DeSanto LW, et al. **Arch Otolaryngol** 1985 Jun;111(6):366-70

Regression of recurrent cystosarcoma phylloides tumour after neutron therapy with development of benign calcification. Thomas AM, et al. **Br J Radiol** 1984 Oct; 57(682):926-9

Results of irradiation in the treatment of locoregional breast cancer recurrence. Chen KK, et al. **Cancer** 1985 Sep 15; 56(6):1269-73

Radiation therapy alone for sarcoma of soft tissue. Tepper JE, et al. **Cancer** 1985 Aug 1;56(3):475-9

Intraoperative radiotherapy in advanced, recurrent or metastatic malignancy. Calkins AR, et al. **Indiana Med** 1985 Mar;78(3):206-8

Salvage radiotherapy for carcinoma of the ovary [letter] Levin W, et al. **Int J Radiat Oncol Biol Phys** 1985 May; 11(5):1061

Feasibility study: results of treatment of primary and recurrent adenocarcinoma of the corpus uteri with californium-252. Maruyama Y, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1199-208

External beam radiation salvage for residual or recurrent local tumor following radical prostatectomy. Ray GR, et al. **J Urol** 1984 Nov;132(5):926-30

[Contact therapy in the pharynx and oral cavity areas: after-loading technic, irradiation planning and results] Fritz P, et al. **Strahlentherapie** 1985 May;161(5):293-8 (Eng. Abstr.) **(Ger)**

[Radiotherapy of local recurrences of surgically treated rectal and rectosigmoidal cancer] Gardani G, et al. **Radiol Med (Torino)** 1984 Mar;70(3):130-8 (Eng. Abstr.) **(Ita)**

[Transnasal permanent interstitial implantation for recurrent carcinoma of the nasopharynx] Niwa K, et al. **Rinsho Hoshasen** 1985 Mar;30(3):435-7 (Eng. Abstr.) **(Jpn)**

[Analysis of the effectiveness of repeated radiation treatment of lung cancer] Kholin VV, et al. **Med Radiol (Mosk)** 1985 Jun;30(6):22-7 (Eng. Abstr.) **(Rus)**

SURGERY

Treatment of recurrent squamous cell carcinoma of the vulva. Simonsen E. **Acta Radiol [Oncol]** 1984;23(5):345-8

Recurrent ameloblastoma: case report. Chiles DG, et al. **Alaska Med** 1985 Jan-Mar;27(1):4-6

Combined laser therapy and endobronchial radiotherapy for unresectable lung carcinoma with bronchial obstruction. Allen MD, et al. **Am J Surg** 1985 Jul;150(1):71-7

The surgical approach to recurrent pleomorphic adenoma of the parotid gland. Stanley RE, et al. **Ann Acad Med Singapore** 1984 Jan;13(1):91-5

Rationale of reoperation for gastric malignancies. Mäkelä J, et al. **Ann Chir Gynaecol** 1985;74(2):77-81

Reoperation for gastro-esophageal cancer. Wilson RE. **Ann Chir Gynaecol** 1985;74(2):49-51

Metastatic basal cell carcinoma. Riefkohl R, et al. **Ann Plast Surg** 1984 Dec;13(6):525-8

Diaphragm mobilization for closure of chest wall defects. Tsur H, et al. **Ann Plast Surg** 1984 Sep;13(3):234-8

A perspective on chest wall resection in patients with breast cancer. McKenna RJ Jr, et al. **Ann Thorac Surg** 1984 Nov; 38(5):482-7

Recurring cardiac myxoma. Gray IR, et al. **Br Heart J** 1985 Jun;53(6):645-9

Reconstruction of the chest wall in malignant disease. Cunningham MS, et al. **Cent Afr J Med** 1985 Jan;31(1):4-7

Surgical treatment of recurrent symptoms after curative radiotherapy for esophageal carcinoma. Zhang DW, et al. **Chin Med J [Engl]** 1984 Jul;97(7):504-8

Surgical management of advanced and recurrent cervical carcinoma: the place of pelvic exenteration. Monaghan JM. **Clin Obstet Gynaecol** 1985 Mar;12(1):169-82 (43 ref.)

Gastric remnant recurrence--detection and implications for

NEWARK PUBLIC LIBRA

the management of gastric cancer. Allum WH, et al. **Clin Oncol** 1984 Dec;10(4):333-9

Surgical management of recurrent or advanced squamous-cell cancer of the head and neck. Caldarelli DD, et al. **Clin Plast Surg** 1985 Jul;12(3):505-14

Osteomyelitis complicating Mohs' chemosurgery. Snyder PA, et al. **J Am Acad Dermatol** 1984 Sep;11(3):513-6

Delayed extensor tendon rupture: a complication of Mohs surgery. Gaspari AA, et al. **J Dermatol Surg Oncol** 1984 Sep;10(9):721-3

Salvage surgery following radical radiotherapy for adenocarcinoma of the prostate. Mador DR, et al. **J Urol** 1985 Jan;133(1):58-60

Primary leiomyosarcoma of the lesser sac--report of a case. Souda K, et al. **Jpn J Surg** 1984 Nov;14(6):505-9

Recurrent fibroma of the neck in an infant. Sutton L, et al. **Med Pediatr Oncol** 1984;12(5):349-51

A one-stage flap reconstruction following resection for stomal recurrence. Biller HF, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):357-60

Application of laser beam technology in the treatment of bladder tumors. Sander S, et al. **Prog Clin Biol Res** 1984; 162B:365-8

Reoperation for recurrent bronchogenic carcinoma. Nielsen OS, et al. **Scand J Thorac Cardiovasc Surg** 1984; 18(3):249-50

Recurrence following stapled coloproctostomy for carcinomas of the mid portion of the rectum. Kennedy HL, et al. **Surg Gynecol Obstet** 1985 Jun;160(6):513-6

[Diagnosis and surgical treatment of recurrent cancer in the residual stomach] Chen JQ. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):300-3 (Eng. Abstr.) **(Chi)**

[Vertical partial laryngectomy] Croll GA, et al. **Ned Tijdschr Geneeskd** 1985 Mar 9;129(10):445-9 (Eng. Abstr.) **(Dut)**

[Covering of substantial loss of substance in breast cancer with local complications. Apropos of 57 cases] Calderoli H, et al. **Acta Chir Belg** 1985 Jan-Feb;85(1):1-8 (Eng. Abstr.) **(Fre)**

[Possibilities for using musculocutaneous flaps of the pectoralis major in reconstructive surgery. Apropos of 14 patients] Schuffenecker J. **Ann Chir Plast Esthet** 1985; 30(1):33-41 (Eng. Abstr.) **(Fre)**

[Surgery of pericannular recurrence and extensive tumors of the trachea] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(2):105-7 (Eng. Abstr.) **(Fre)**

[Is iatrogenic vesico-renal reflux a negligible factor in the evolution of recurrent superficial tumors of the bladder?] Rampal M, et al. **Ann Urol (Paris)** 1985;19(2):132-4 (Eng. Abstr.) **(Fre)**

[Secondary amputation of the rectum for neoplastic recurrence after rectal resection. Personal experience in 11 cases] Adloff M, et al. **Chirurgie** 1985;111(2):156-62 (Eng. Abstr.) **(Fre)**

[Secondary vulvectomy treatment results in local recurrence of a vulvar carcinoma following electron irradiation] Frischbier HJ, et al. **Geburtshilfe Frauenheilkd** 1985 Jul; 45(7):494-6 (Eng. Abstr.) **(Ger)**

[Locoregional recurrence following the operative treatment of rectal cancer. Basic principles of prevention and therapy] Dommes M, et al. **Zentralbl Chir** 1985;110(2-3):159-71 (Eng. Abstr.) **(Ger)**

[Reoperation in local and regional recurrence of breast carcinoma following nonradical surgery] Conti AR, et al. **Minerva Ginecol** 1984 Oct;36(10):645-7 **(Ita)**

[Reoperation of recurrent gastric cancer--a comparative study of a resected and nonresected group] Sunagawa M, et al. **Gan No Rinsho** 1984 Dec;30(15):1899-903 (Eng. Abstr.) **(Jpn)**

[Total pelvic exenteration for primary and locally recurrent rectal cancer] Takagi H, et al. **Gan No Rinsho** 1984 Nov; 30(14):1779-85 (Eng. Abstr.) **(Jpn)**

[Pelvic recurrence of bladder carcinoma following total cystectomy] Takashi M, et al. **Hinyokika Kiyo** 1984 Jul; 30(7):913-7 (Eng. Abstr.) **(Jpn)**

[Treatment of recurrent basal-cell skin cancer with laser irradiation] Pletnev SD, et al. **Sov Med** 1985;(4):92-4 **(Rus)**

[Reoperations in retroperitoneal tumors of non-organic origin] Dovgaliuk AZ, et al. **Vestn Khir** 1984 Nov; 133(11):48-52 (Eng. Abstr.) **(Rus)**

[Radical hysterectomy in the treatment of uterine cervix cancer recurring after irradiation] Torres Lobatón A, et al. **Ginecol Obstet Mex** 1983 Jan;51(309):7-12 (Eng. Abstr.) **(Spa)**

THERAPY

Value of therapeutic hyperthermic limb perfusion in advanced recurrent melanoma of the lower extremity. Storm FK, et al. **Am J Surg** 1985 Jul;150(1):32-5

Residual, recurrent, or unresectable gastrointestinal cancer. Role of radiation in single or combined modality treatment. Gunderson LL, et al. **Cancer** 1985 May 1;55(9 Suppl):2250-8 (63 ref.)

Locally recurrent hypernephroma treated by radiation therapy and embolization. A report of two cases. Nickolisen R, et al. **Cancer** 1985 Sep 1;56(5):1049-51

Intravesical administration of bacillus Calmette-Guérin in patients with recurrent superficial carcinoma of the urinary bladder: report of a prospective, randomized trial. Pinsky CM, et al. **Cancer Treat Rep** 1985 Jan;69(1):47-53

Treatment of recurrent respiratory papillomatosis with interferon. Sessions RB, et al. **Ear Nose Throat J** 1984 Oct; 63(10):488-93

Recurrent stage I endometrial carcinoma: results of treatment and prognostic factors. Mandell LR, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1103-9

Intratumoral autologous mononuclear cells in the treatment of recurrent glioblastoma multiforme. A phase 1 (toxicity) study. Steinbok P, et al. **J Neurooncol** 1984;2(2):147-51

Surgical treatment of patients with stages I and II nonseminomatous testicular cancer. Fraley EE, et al. **J Urol** 1985 Jul;134(1):70-3

Recurrent pituitary adenomas. Marguth F, et al. **Neurosurg Rev** 1985;8(3-4):221-4

Recurrent carcinoma of the larynx and the hypopharynx. Jacobs JR, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):425-33

Experience with intravesical bacillus Calmette-Guèrin therapy of superficial bladder tumors. Herr HW, et al. **Urology** 1985 Feb;25(2):119-23

[Interferon in the treatment of recurrent laryngeal papillomas] Lenarčić-Cepelja I, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Aug;63(8):401-2 (Eng. Abstr.) **(Ger)**

[Clinical analysis of the recurrence of choriocarcinoma] Harada A, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Dec 20;19(10):2336-43 (Eng. Abstr.) **(Jpn)**

[A case with complete remission of local recurrence of ureteral tumor after cis-diamminedichloroplatinum (CDDP) and radiation] Kimura A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Apr;76(4):588-91 (Eng. Abstr.) **(Jpn)**

[A report of malignant melanoma of the nasal cavity--followed for fourteen years] Hoki K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Mar;88(3):290-4 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Metamorphosis of dermal cylindroma: possible relation to malignant transformation. Case report of cutaneous cylindroma with direct intracranial invasion. Urbanski SJ, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 2):188-95

NEOPLASM REGRESSION, SPONTANEOUS

Transient spontaneous regression of mass effect with glioma. Nakasu S, et al. **Acta Neurochir (Wien)** 1985;74(1-2):53-6

On the mechanism of regression of malignant melanoma. Ferry JA. **Am J Dermatopathol** 1984 Summer;6 Suppl:287-8

Regression in thin malignant melanoma. Microscopic diagnosis and prognostic importance. Cooper PH, et al. **Arch Dermatol** 1985 Sep;121(9):1127-31

Regression and other factors of prognostic interest in malignant melanoma [editorial] Sagebiel R. **Arch Dermatol** 1985 Sep;121(9):1125-6

Spontaneous partial regression of primary melanoma with death due to metastases. Saida T, et al. **Arch Dermatol** 1984 Nov;120(11):1494-6

Spontaneous remission in adult acute leukemia. Ifrah N, et al. **Cancer** 1985 Sep 1;56(5):1187-90

A case of spontaneous regression of hepatocellular carcinoma with bone metastasis. Sato Y, et al. **Cancer** 1985 Aug 1; 56(3):667-71

Transient spontaneous regression of an anterior mediastinal mass. Weaver GR, et al. **Chest** 1985 Apr;87(4):547-8

Spontaneous regression of retinoblastoma. Dhir SP, et al. **Indian J Cancer** 1984 May-Jun;21(2):92-4

Spontaneous disappearance of gastric polyps [letter] Garg K, et al. **Indian J Gastroenterol** 1985 Jul;4(3):207-8

Spontaneous regression of osteochondromas. Two case reports. Copeland RL, et al. **J Bone Joint Surg [Am]** 1985 Jul;67(6):971-3

Spontaneously healing Kaposi's sarcoma in AIDS [letter] Janier M, et al. **N Engl J Med** 1985 Jun 20;312(25):1638-9

Spontaneous remission in acute nonlymphocytic leukemia. Raza A, et al. **NY State J Med** 1985 Jun;85(6):269-70

Late determinants of cancer. Tulinius H. **Pathol Res Pract** 1984 Sep;179(1):74-80 (50 ref.)

Congenital, spontaneously regressing histiocytosis: case report and review of the literature. Kapila PK, et al. **Pediatr Dermatol** 1985 Jul;2(4):312-7

Isolation of mouse mammary tumor cells showing spontaneous regression. Okamoto M, et al. **Sangyo Ika Daigaku Zasshi** 1983 Jun 1;5(2):191-9

Spontaneous partial regression of malignant melanoma and its first metastasis. Case report. Faxén A, et al. **Scand J Plast Reconstr Surg** 1976;10(3):245-6

Temporary spontaneous regression of lung cancer. Poh SC, et al. **Singapore Med J** 1984 Oct;25(5):354-8

Histomorphometry of spherical tumors using holoptical cross-sections. Fischer HP. **Virchows Arch [A]** 1985; 405(2):277-84

[Flynn's atypical regressive histiocytosis in a child] Marghescu S, et al. **Ann Dermatol Venereol** 1984; 111(8):727-8 **(Fre)**

[Myofibromatosis in children. Histopathologic and ultrastructural study of a localized form with a spontaneously regressive course] Boman F, et al. **Ann Pathol** 1984 Jun-Aug;4(3):211-6 (Eng. Abstr.) **(Fre)**

[Multiple chondromas--healing following a pathological fracture] Döhler JR. **ROFO** 1984 Dec;141(6):716-7 **(Ger)**

[Experimental studies on growth inhibition and regression of cancer metastases] Chihara G. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1196-209 (Eng. Abstr.) **(Jpn)**

[Spontaneous regression of cancer] Uchino J, et al. **Hokkaido Igaku Zasshi** 1984 Nov;59(6):673-8 (16 ref.) **(Jpn)**

[Spontaneous regression of a pituitary mass after delivery. Case report] Aida T, et al. **Neurol Med Chir (Tokyo)** 1984 Oct;24(10):789-93 (Eng. Abstr.) **(Jpn)**

[A case of CTCL (TH/I) with tubulo-reticular structure in tumor cells and spontaneous regression] Maeda K, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Apr;95(5):561-9 **(Jpn)**

NEOPLASM SEEDING

Possible spread of bronchogenic carcinoma to the chest wall after a transthoracic fine needle aspiration biopsy. A case report. Moloo Z, et al. **Acta Cytol (Baltimore)** 1985 Mar-Apr;29(2):167-9

Early CT detection of intracranial seeding from medulloblastoma. North C, et al. **AJNR** 1985 Jan-Feb; 6(1):11-3

Intraspinal seeding from intracranial tumors in children. Stanley P, et al. **AJR** 1985 Jan;144(1):157-61

Anal implantation metastasis from carcinoma of the sigmoid colon and rectum--a risk when performing anterior resection with the EEA stapler? Norgren J, et al. **Br J Surg** 1985 Aug;7(8):602

Adenocarcinoma of sigmoid colon seeding into pre-existing fistula in ano. Rollinson PD, et al. **Br J Surg** 1984 Sep; 71(9):664-5

Cutaneous seeding of malignant tumours after insertion of percutaneous prosthesis for obstructive jaundice. Shorvon PJ, et al. **Br J Surg** 1984 Sep;71(9):694-5

Well differentiated carcinoma of the prostate seeding a perineal needle biopsy tract. Warden SS, et al. **Br J Urol** 1984 Aug;56(4):436

Extraneural metastases of central nervous system tumors. Hoffman HJ, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1778-82

Peritoneovenous shunt for intractable malignant ascites. A single case report of metastatic peritoneal mesothelioma implanted via LeVeen shunt. Nervino HE, et al. **Cancer** 1984 Nov 15;54(10):2231-3

Viability of tumor cells in the irrigation fluid of the Cavitron Ultrasonic Surgical Aspirator (CUSA) after tumor fragmentation. Oosterhuis JW, et al. **Cancer** 1985 Jul 15; 56(2):368-70

Tumor metastasis from multiple myeloma and Burkitt's lymphoma in Broviac catheter tracts. Stellato TA, et al. **Cancer** 1985 Jun 1;55(11):2715-7

Malignant seeding after fine-needle aspiration biopsy of the pancreas. Caturelli E, et al. **Diagn Imag Clin Med** 1985; 54(2):88-91

Biopsy and survival of malignant melanoma. Rampen FH, et al. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):385-8

The spread of tumor-cell-sized particles after bone biopsy. Robertson WW Jr, et al. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1243-7

Costal chondrosarcoma with pleural seeding: CT findings. Pandolfo I, et al. **J Comput Assist Tomogr** 1985 Mar-Apr; 9(2):408-9

Dissemination of squamous papilloma by surgical manipulation: a case report. Welsh RL, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1568-70

Seeding of malignant lymphoma along the tract after bone marrow biopsy. Ginaldi S, et al. **South Med J** 1985 Aug; 78(8):1007-8

[Implantation metastasis after fine-needle biopsy of cecal carcinoma] Persson M. **Ugeskr Laeger** 1985 Mar 4; 147(10):880-1 (Eng. Abstr.) **(Dan)**

[Neoplastic seeding along the tract of a percutaneous puncture biopsy of a metastatic vertebral body (letter)] Gagnerie F, et al. **Presse Med** 1984 Oct 27;13(38):2322 **(Fre)**

[Is operative seeding of tumor cells possible or preventable?] Ewers R, et al. **Fortschr Kiefer Gesichtschir** 1985;30:175-6 **(Ger)**

[A case of childhood primary malignant intracranial lymphoma showing a meningeal spread] Takahashi T, et al. **No Shinkei Geka** 1985 Mar;13(3):327-34 (Eng. Abstr.) **(Jpn)**

[Extraneural metastasis of malignant glioma through a ventriculo-peritoneal shunt: growth in peritoneal cavity as ascitic form] Wakabayashi T, et al. **No Shinkei Geka** 1985 May;13(5):547-52 (Eng. Abstr.) **(Jpn)**

[Intestinal metastasis of a bladder tumor in a patient without urinary diversion: apropos of a case] Malet Carreras JM, et al. **Arch Esp Urol** 1985 Jan-Feb;38(1):61-2 (Eng. Abstr.) **(Spa)**

NEOPLASM STAGING

The relationship between different staging methods and survival in colorectal carcinoma. Chapuis PH, et al. **Dis Colon Rectum** 1985 Mar;28(3):158-61

Preoperative staging of rectal cancer by intrarectal ultrasound. Hildebrandt U, et al. **Dis Colon Rectum** 1985 Jan;28(1):42-6

Prognostic value of preoperative serum CEA level compared to clinical staging: III. An approach to scoring of prognostic factors in colorectal cancer. Brümmendorf T, et al. **J Surg Oncol** 1985 Apr;28(4):263-9

A clinical statistical study of lung cancer patients in Japan with special reference to the staging system of TNM classification: a report from the Japan Joint Committee of Lung Cancer associated with the TNM System of Clinical Classification (UICC). Yoshimura K. **Radiat Med** 1983 Apr-Jun;1(2):186-95

[Studies on bladder cancer by flow cytometry. I. Evaluation of the malignant potential of bladder cancer based on flow cytometric DNA analysis] Yoshikawa K. **Nippon Hinyokika Gakkai Zasshi** 1985 Apr;76(4):483-90 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

A tumour gauge to measure breast lumps for use with mammograms. Gordon AB. **Eur J Surg Oncol** 1985 Jun;11(2):197-8

METHODS

Ultrasonically guided fine-needle biopsy: a new useful technique in pathological staging of malignant lymphoma. Buscarini L, et al. **Acta Haematol (Basel)** 1985;73(3):150-2

Comparison of clinical and computed tomographic staging of head and neck tumors. Gatenby RA, et al. **AJNR** 1985 May-Jun;6(3):399-401

Computer grading of cervical intraepithelial neoplastic lesions. I. Cytologic indices. Wied GL, et al. **Anal Quant Cytol** 1985 Mar;7(1):52-60

Bone marrow biopsy in the staging of malignant epithelial tumors. Schmid C, et al. **Appl Pathol** 1983 Nov-Dec;1(6):343-7

Staging for cancer. New developments and importance to pathology. Henson DE. **Arch Pathol Lab Med** 1985 Jan;109(1):13-6

Gynaecological cancer—is current staging practice outmoded? Langlands AO. **Aust NZ J Obstet Gynaecol** 1984 May;24(2):147-9 (16 ref.)

Staging systems for multiple myeloma: a comparison. Gassmann W, et al. **Br J Haematol** 1985 Apr;59(4):703-11

Clinicopathological staging of gastric cancer. Fielding JW, et al. **Br J Surg** 1984 Sep;71(9):677-80

Hodgkin's disease: is staging laparotomy necessary? [editorial] Irving M. **Br J Surg** 1985 Aug;7(8):589-90

Neurosurgical staging of midline intra-axial (nuclear) tumors. Albright AL, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1786-8

Tumor staging for pineal region tumors of childhood. Bruce DA, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1792-4

Staging of cerebral hemispheric tumors. Edwards MS, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1784-5

A staging system for brain stem gliomas. Epstein F. **Cancer** 1985 Oct 1;56(7 Suppl):1804-6

The use of touch preparations (tissue imprints) in the rapid intraoperative diagnosis of metastatic lymph node disease in cancer staging procedures. Ghandur-Mnaymneh L, et al. **Cancer** 1985 Jul 15;56(2):339-44

Systemic staging of supratentorial extra-axial brain tumors in children. Craniopharyngiomas, atypical teratoma and teratoid tumors of the suprasellar region (germinomas), and intracranial teratomas. James HE, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1800-3

Surgical staging of cerebellar astrocytomas in childhood. Klein DM, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1810-1

Therapeutic implications of the natural history of advanced cervical cancer as defined by pretreatment surgical staging. Potish RA, et al. **Cancer** 1985 Aug 15;56(4):956-60

Laparotomy-staged IA versus IIA Hodgkin's disease. A comparative study with evaluation of prognostic factors for stage IIA disease. Zagars G, et al. **Cancer** 1985 Aug 15;56(4):864-73

The role of transcarinal needle aspiration in the staging of bronchogenic carcinoma. Shure D, et al. **Chest** 1984 Nov;86(5):693-6

Staging of colorectal cancer. The Australian clinico-pathological staging (ACPS) system compared with Dukes' system. Davis NC, et al. **Dis Colon Rectum** 1984 Nov;27(11):707-13

Ultrasonically guided fine needle aspiration biopsy of abdominal lesions in pathological staging of non-Hodgkin's lymphomas. Cavanna L, et al. **Haematologica (Pavia)** 1985 Mar-Apr;70(2):132-5

Computerized staging of cancer of the maxillary sinus. Morton RP, et al. **Int J Biomed Comput** 1985 May;16(3-4):191-9

Computed tomography in the staging of small cell lung cancer: implications for combined modality therapy. Norlund JD, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1081-4

Staging testicular tumours: the role of CT scanning. Husband JE, et al. **J R Soc Med** 1985;78 Suppl 6:25-31

Staging system for gestational trophoblastic tumors. Goldstein DP, et al. **J Reprod Med** 1984 Nov;29(11):792-5

Comparison of stage IV and IV-S neuroblastoma in the first year of life. Nickerson HJ, et al. **Med Pediatr Oncol** 1985;13(5):261-8

Critical considerations on a comparative study of two staging systems for multiple myeloma. Merlini G, et al. **Nouv Rev Fr Hematol** 1984;26(6):397-400

Comparison of clinical and surgical-staging in patients with endometrial carcinoma. Cowles TA, et al. **Obstet Gynecol** 1985 Sep;66(3):413-6

Monoclonal antibodies. Their promise for tumor diagnosis, staging, and therapy. Rosen ST, et al. **Postgrad Med** 1985 Mar;77(4):129-32, 134

Bone scintigraphy and serum phosphatases in the detection and follow-up of bone metastases in prostatic cancer. Liewendahl K, et al. **Scand J Urol Nephrol** 1984;18(3):181-5

Testicular cancer: diagnosis and staging. Montie JE. **Semin Urol** 1984 Nov;2(4):194-203

Staging of musculoskeletal neoplasms. Musculoskeletal Tumor Society. **Skeletal Radiol** 1985;13(3):183-94

CT in determining the depth of infiltration of bladder tumors. Salo JO, et al. **Urol Radiol** 1985;7(2):88-93

Staging laparotomy with splenectomy for Hodgkin's disease: the Stanford experience. Taylor MA, et al. **World J Surg** 1985 Jun;9(3):449-60

[Contesting a critique of the comparison of 2 prognostic classifications of multiple myeloma] Pesce A, et al. **Nouv Rev Fr Hematol** 1984;26(6):401 **(Fre)**

[Computed tomographic staging of hypernephroid carcinoma] Claussen C, et al. **ROFO** 1984 Oct;141(4):390-4 (Eng. Abstr.) **(Ger)**

[What is the contribution of computed tomography to the staging of bronchial carcinoma?] König R, et al. **Rontgenpraxis** 1985 May;38(5):189-93 **(Ger)**

[Computerized tomography of bladder neoplasms] Bianchi SD, et al. **Radiol Med (Torino)** 1984 Apr;70(4):167-72 (Eng. Abstr.) **(Ita)**

[Staging laparotomy in Hodgkin's lymphoma] Trnka J, et al. **Rozhl Chir** 1985 Apr;64(4):298-303 (Eng. Abstr.) **(Slo)**

STANDARDS

Staging errors in prostatic cancer. Ray P, et al. **J Urol** 1984 Dec;132(6):1125-6

The Will Rogers phenomenon. Stage migration and new diagnostic techniques as a source of misleading statistics for survival in cancer. Feinstein AR, et al. **N Engl J Med** 1985 Jun 20;312(25):1604-8

NEOPLASM TRANSPLANTATION

Pluripotential germinal tumor tissue as a source of transplantable graft tissue. Jennings MT. **Appl Neurophysiol** 1984;47(1-2):51-6

Enhanced immune response in 'R' inbred rats by chemical and/or bacterial immunostimulation. I. Protection induced by Aerodin and Bronhodin associated or not with levamisole against experimental infection with Pseudomonas aeruginosa or grafting HR18 tumoral cells. Popescu C, et al. **Arch Roum Pathol Exp Microbiol** 1985 Jan-Mar;44(1):43-53

Characteristics of human tumour xenografts transplanted under the renal capsule of immunocompetent mice. Aamdal S, et al. **Br J Cancer** 1985 Mar;51(3):347-56

Limitations of the human tumour xenograft system in individual patient drug sensitivity testing. Bailey MJ, et al. **Br J Cancer** 1984 Nov;50(5):721-4

Ovarian tumour xenografts in the study of the biology of human epithelial ovarian cancer. Friedlander ML, et al. **Br J Cancer** 1985 Mar;51(3):319-33

Transplantability in nude mice of embryonic and other childhood tumours. Rousseau-Merck MF, et al. **Br J Cancer** 1985 Aug;52(2):279-83

A malignant cystosarcoma phyllodes with positive estrogen receptor and its heterotransplantation into nude mice. Tokuda Y, et al. **Cancer** 1985 Jan 15;55(2):370-4

Changes in histological differentiation of human tumors transplanted to athymic nude mice: a morphometric study. Sharkey FE, et al. **Exp Cell Biol** 1985;53(2):100-6

Spontaneous immune rejection of intraocular tumors in mice. Niederkorn JY, et al. **Invest Ophthalmol Vis Sci** 1985 Jun;26(6):877-84

Heterotransplantation studies with tissue culture cell lines in various animal and in vitro host systems. Bather R, et al. **J Biol Stand** 1985 Jan;13(1):13-22

The suitability of immunosuppressed mice kept in a standard animal unit as recipients of human tumour xenografts. Hay JH, et al. **Lab Anim** 1985 Apr;19(2):119-22

Human tumor xenografts in nude mice: current experience and chemotherapy trials. Azar HA, et al. **Pathol Annu** 1984;19 Pt 2:245-68

Estramustine phosphate-reduced proliferation of murine and human cell lines and murine transplantable tumors. Pavelić K, et al. **Res Exp Med (Berl)** 1985;185(3):233-43

[Induction and transplantability of ferridextran tumors in inbred strains of Rattus norvegicus] Hrubý M, et al. **Sb Lek** 1985 May;87(5):114-20 (Eng. Abstr.) **(Cze)**

[Use of xenografts for the evaluation of tumor chemotherapy. Application to adjuvant chemotherapy] Duplan JF. **Bull Cancer (Paris)** 1984;71(4):292-6 (Eng. Abstr.) **(Fre)**

[Biological and morphologic study of human bronchial carcinoma xenografts] Bak M, et al. **Morphol Igazsagugyi Orv Sz** 1984 Jul;24(3):171-9 (Eng. Abstr.) **(Hun)**

[Treatment of established human renal cell carcinoma heterotransplanted in nude mice. 1. Characteristics of transferable human renal cell carcinoma] Onishi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Dec;75(12):1903-10 (Eng. Abstr.) **(Jpn)**

METHODS

The tumor-cell-releasing machine. Erkell LJ, et al. **Invasion Metastasis** 1984;4(3):126-33

NEOPLASMS

see related
DNA, NEOPLASM
ONCOGENIC VIRUSES
PRECANCEROUS CONDITIONS
RNA, NEOPLASM

On-target oncology information. Dobberstein K. **Am J Nurs** 1985 Sep;85(9):1007

A 10-year follow-up of the National Cancer Act. Reizenstein P, et al. **Biomed Pharmacother** 1984;38(6):282-4

Annual congress of the Austrian and German Societies of Hematology and Oncology. Vienna, October 6-9, 1985. **Blut** 1985 Sep;51(3):145-239

Annual congress of the Austrian and German Societies of Hematology and Oncology. Ulm, October 7th-10th, 1984. Abstracts. **Blut** 1984 Sep;49(3):221-95

Joint meeting of the British Association for Cancer Research & the Royal Society of Medicine (Section of Oncology) (incorporating a symposium on 'Clonal evolution of tumours'). November 22-23, 1984. Abstracts. **Br J Cancer** 1985 Apr;51(4):581-602

Prevention and detection of cancer. 6th international symposium. Vienna, Austria. 26 to 29 November, 1984. Abstracts. **Cancer Detect Prev** 1984;7(5-6):397-563

Cancer data systems. Guinee VF, et al. **Curr Probl Cancer** 1985 Mar;9(3):1-77 (36 ref.)

The ecology of infectious and neoplastic disease: a conceptual unification. Lower GM Jr. **Ecol Dis** 1983;2(4):397-407

Validity and utility of anthropometric measurements: a survey of cancer outpatients. Dixon JK. **J Am Diet Assoc** 1985 Apr;85(4):439-44

14th annual UCLA symposium. April 6-April 25, 1985. Abstracts. **J Cell Biochem [Suppl]** 1985;9C:1-307

14th annual UCLA symposia. Perspectives in inflammation, neoplasia and vascular cell biology. February 2-8, 1985. Abstracts. **J Cell Biochem [Suppl]** 1985;9A:131-63

Beyond proforma consent for childhood cancer research. Leikin SL. **J Clin Oncol** 1985 Mar;3(3):420-8

The role of social support in parental adjustment to pediatric cancer. Morrow GR, et al. **J Pediatr Psychol** 1984 Sep;9(3):317-29

The Thames Cancer Registry [editorial] **Lancet** 1985 Feb 16;1(8425):380

Elevated natural killer (NK) cell activity: a possible role in resistance to infection and malignancy in immunodeficient splenectomized patients. Ferrante A, et al. **Med Hypotheses** 1985 Feb;16(2):133-46

Abstracts of papers presented at the eleventh annual scientific meeting of the Clinical Oncological Society of Australia, November 27-30, 1984. **Med Pediatr Oncol** 1985;13(3):133-62

18th annual meeting: American Association for Cancer Education. October 30-31, November 1-2, 1984, Valhalla, New York. Abstracts. **Med Pediatr Oncol** 1984;12(6):1A-42A

The relationship between NMR spin-lattice relaxation times for human tumor tissue at 24 and 6.25 MHz. Ekstrand KE, et al. **Med Phys** 1984 Nov-Dec;11(6):764-6

Titu Vasiliu's conception on cancer disease and the present trends. Eskenasy A. **Morphol Embryol (Bucur)** 1985 Apr-Jun;31(2):101-6

Molecular science: Japan's next target—biology [news] Anderson A. **Nature** 1984 Nov 8-14;312(5990):90

Medical mystery and the whistle blower. Burgwyn MH. **NC Med J** 1984 Sep;45(9):567-75

Symposium on pediatric oncology. **Nurs Clin North Am** 1985 Mar;20(1):1-142

Cancer research, education, welfare, investment [letter] Wilkins RJ. **NZ Med J** 1984 Nov 14;97(767):784

Symposium on pediatric oncology. **Pediatr Clin North Am** 1985 Jun;32(3):539-862

Molecular basis of cancer. Part A: macromolecular structure, carcinogens, and oncogenes. Proceedings of the conference, Buffalo, New York, May 30-June 2, 1984. **Prog Clin Biol Res** 1985;172A:1-576

Molecular basis of cancer. Part B: macromolecular recognition, chemotherapy, and immunology. Proceedings of the conference, Buffalo, New York, May 30-June 2, 1984. **Prog Clin Biol Res** 1985;172B:1-401

Oncogenes: targets for immunodiagnosis and chemotherapy? O'Connor TE. **Prog Clin Biol Res** 1985;172A:467-87

The computation of concentration and dielectric profiles in interfacial inhomogeneous regions, and the relation between surface charge density and surface potentials. Vaidhyanathan VS. **Prog Clin Biol Res** 1985;172A:549-59

Comparison of occupations recorded at cancer registration and death. Balarajan R. **Public Health** 1985 May;99(3):169-73

Development and evaluation of a community cancer resource directory. Lundahl SL. **Public Health Rep** 1984 Nov-Dec;99(6):590-7

Psychiatry, immunology, and cancer. Davis HK. **Tex Med** 1985 Feb;81(2):49-52 (36 ref.)

Canine mammary gland tumors. Ferguson HR. **Vet Clin North Am [Small Anim Pract]** 1985 May;

15(3):501-11 (35 ref.)
Feline mammary tumors. Hayes AA, et al. **Vet Clin North Am [Small Anim Pract]** 1985 May; 15(3):513-20
[Problems in pediatric oncology] Běluša M. **Cesk Pediatr** 1984 Feb;39(2):65-8 (Eng. Abstr.) (Cze)
[Cancer and suicide] Schraub S. **Bull Cancer (Paris)** 1985; 72(1):48-51 (Eng. Abstr.) (Fre)
[Research on cancer at the International Center for Research on Cancer in 1981-1982] **WHO Chron** 1983;37(3):101-4 (Fre)
[Development of a clinical tumor registry using the DATACORD program package] Nüsslin F, et al. **Strahlentherapie** 1985 Mar;161(3):157-62 (Eng. Abstr.) (Ger)
[Aging and cancer] Senra Varela A, et al. **Rev Clin Esp** 1985 Mar;176(4):161-3 (19 ref.) (Eng. Abstr.) (Spa)

ANALYSIS

Preferential expression of double-stranded ribonucleic acid in tumor versus normal cells: biological and clinical implications. Kantarjian HM, et al. **Blood** 1985 Jul; 66(1):39-46
Presence of corticotropin-releasing factor-like immunoreactivity in human tumors. Wakabayashi I, et al. **Cancer** 1985 Mar 1;55(5):995-1000
Expression of laminin receptor in normal and carcinomatous human tissues as defined by a monoclonal antibody. Hand PH, et al. **Cancer Res** 1985 Jun;45(6):2713-9
Placental alkaline phosphatase and cancer antigen 125 in sera of patients with benign and malignant diseases. Eerdekens MW, et al. **Clin Chem** 1985 May;31(5):687-90
Preparation of monolayer smears from paraffin-embedded tissue for image cytometry. van Driel-Kulker AM, et al. **Cytometry** 1985 May;6(3):268-72
Elaboration of granulocyte-macrophage colony-stimulating factor by human tumor cell lines and normal urothelium. Zinzar SN, et al. **Exp Hematol** 1985 Jul;13(6):574-80
Biological effects of gamma-interferon on human tumor cells: quantity and affinity of cell membrane receptors for gamma-IFN in relation to growth inhibition and induction of HLA-DR expression. Ucer U, et al. **Int J Cancer** 1985 Jul 15;36(1):103-8
Evaluation of AFP glycosylation heterogeneity in cancer patients with AFP-producing tumors. Vessella RL, et al. **Int J Cancer** 1984 Sep 15;34(3):309-14
A biochemical approach to cancer management. Duffy MJ. **Ir J Med Sci** 1984 Sep;153(9):297-301
Immunohistological localization of growth hormone-releasing hormone in human tumors. Asa SL, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):423-7
Usefulness of basement membrane markers in tumoural pathology. Birembaut P, et al. **J Pathol** 1985 Apr; 145(4):283-96
Involucrin, a marker of squamous and urothelial differentiation. An immunohistochemical study on its distribution in normal and neoplastic tissues. Walts AE, et al. **J Pathol** 1985 Apr;145(4):329-40
Antibody to epiglycanin and radioimmunoassay to detect epiglycanin-related glycoproteins in body fluids of cancer patients. Codington JF, et al. **JNCI** 1984 Nov;73(5):1029-38
Human transforming growth factor-beta complementary DNA sequence and expression in normal and transformed cells. Derynck R, et al. **Nature** 1985 Aug 22-28; 316(6030):701-5
Combination of tissue polypeptide antigen (TPA) and carcino embryonic antigen (CEA) in different types of cancer. Falcone F, et al. **Nucl Med Commun** 1985 May;6(5):299-304
Isolation and characterization of an RNA-proteolipid complex associated with the malignant state in humans. Wieczorek AJ, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3455-9
Oxygen tension in human tumors: in vivo mapping using CT-guided probes. Gatenby RA, et al. **Radiology** 1985 Jul; 156(1):211-4
Major metals in human cancer: calcium, magnesium, sodium and potassium. Ranade SS, et al. **Sci Total Environ** 1985 Jan;41(1):79-89
Pregnancy-'specific' beta 1-glycoprotein (SP1): purification, characterization, quantification and clinical application in malignancies (a review). Sørensen S. **Tumour Biol** 1984; 5(6):275-302 (162 ref.)
[hCG as tumor marker in non-trophoblastic neoplasms] Zakut H, et al. **Harefuah** 1985 Jan 15;108(2):82-5 (Heb)
[Association of ferritin with the CEA test in post-operative monitoring of colo-rectal, breast and stomach carcinomas] Fanciullacci A, et al. **Quad Sclavo Diagn** 1984 Dec; 20(4):355-63 (Eng. Abstr.) (Ita)
[Immuno-cytochemical and -histochemical localization of human keratin proteins in various kinds of cancerous lesion] Yagi Y, et al. **Gan No Rinsho** 1984 Sep;30(11):1392-7 (Eng. Abstr.) (Jpn)
[Clinical application of flow cytometry] Høstmark J. **Tidsskr Nor Laegeforen** 1985 Jan 10;105(1):32-5 (Eng. Abstr.) (Nor)
[Localization of embryonic prealbumin-1 in the tissues of human malignant tumors] Vasil'ev MIu, et al. **Eksp Onkol** 1985;7(1):33-6 (Eng. Abstr.) (Rus)

BLOOD

Plasma fibronectin as a marker for cancer and other diseases. Zerlauth G, et al. **Am J Med** 1984 Oct;77(4):685-9 (68 ref.)
Comparison of the analytical characteristics and clinical usefulness in tumour monitoring of fifteen hCG(-beta) immunoassay kits. Thomas CM, et al. **Ann Clin Biochem** 1985 May;22 (Pt 3):236-46
Thyroid hormones in conditions of chronic malnutrition. A study with special reference to cancer cachexia. Persson H, et al. **Ann Surg** 1985 Jan;201(1):45-52
Pharmacokinetics of ceftazidime, alone or in combination with piperacillin or tobramycin, in the sera of cancer patients. Drusano GL, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):605-7
Relationship between fibrinopeptide A (FPA) level and fibrinogen kinetics in patients with malignant disease. Yoda Y, et al. **Bibl Haematol** 1983;(49):163-72
Risk of cancer in relation to serum concentrations of selenium and vitamins A and E: matched case-control analysis of prospective data. Salonen JT, et al. **Br Med J [Clin Res]** 1985 Feb 9;290(6466):417-20
Increase of oleic acid in erythrocytes associated with malignancies. Wood CB, et al. **Br Med J [Clin Res]** 1985 Jul 20;291(6489):163-5
The value of a radioimmunological monitoring in cancer patients treated with interferon alpha. Bernier J, et al. **Bull Cancer (Paris)** 1984;71(5):405-11
Correlation of erythrocyte and plasma levels of zinc, copper, and iron with evidence of metastatic spread in cancer patients. Gorodetsky R, et al. **Cancer** 1985 Feb 15; 55(4):779-87
Sensitivity of lymphocytes from patients with cancer to x- and ultraviolet radiation. Kutlaca R, et al. **Cancer** 1984 Dec 15;54(12):2952-5
Fasting plasma amino acid levels in cancer patients. Norton JA, et al. **Cancer** 1985 Sep 1;56(5):1181-6
Plasma kinetics of oral retinol in cancer patients. Goodman GE, et al. **Cancer Treat Rep** 1984 Sep;68(9):1125-33
Time dependency in plasmatic protein binding of cisplatin. Hecquet B, et al. **Cancer Treat Rep** 1985 Jan;69(1):79-83
Altered plasma kinetics of 5-FU at high dosage in rat and man. Schwartz PM, et al. **Cancer Treat Rep** 1985 Jan; 69(1):133-6
Particle-counting immunoassay (PACIA) of pregnancy-specific beta 1-glycoprotein, a possible marker of various malignancies and Crohn's ileitis. Fagnart OC, et al. **Clin Chem** 1985 Mar;31(3):397-401
Dietary and endogenous cholesterol and human cancer. McMichael AJ, et al. **Epidemiol Rev** 1984;6:192-216 (108 ref.)
Exhausted platelets in cancer and other conditions. Fondu P. **Eur J Cancer Clin Oncol** 1985 Mar;21(3):277-82
Determination of serum retinol in cancer studies [letter] Tyler H, et al. **Eur J Cancer Clin Oncol** 1984 Sep;20(9):1205-6
Reduction in the stearic to oleic acid ratio in the circulating red blood cells: a possible tumour marker in solid human neoplasms. Wood CB, et al. **Eur J Surg Oncol** 1985 Jun; 11(2):167-9
Serum copper and zinc levels in patients with solid tumours. Sharma VP, et al. **Indian J Cancer** 1984 Mar-Apr;21(1):1-6
Serum copper in malignant neoplasia with special reference to the cervix uteri. Chakravarty PK, et al. **J Cancer Res Clin Oncol** 1984;108(3):312-5
Serum sialic acid in malignant tumors, bacterial infections, and chronic liver diseases. Stefenelli N, et al. **J Cancer Res Clin Oncol** 1985;109(1):55-9
Serum sialic acid in normals and in cancer patients. Shamberger RJ. **J Clin Chem Clin Biochem** 1984 Oct; 22(10):647-51
Nutritional parameters affecting erythrocyte polyamine levels in cancer patients. Ota DM, et al. **J Clin Oncol** 1984 Oct; 2(10):1157-64
Relation between raised concentrations of fucose, sialic acid, and acute phase proteins in serum from patients with cancer: choosing suitable serum glycoprotein markers. Turner GA, et al. **J Clin Pathol** 1985 May;38(5):588-92
Relationship of arachidonic acid metabolism to indomethacin-sensitive immunoregulatory function and lymphocyte PGE sensitivity in peripheral blood mononuclear cells of disseminated solid tumor cancer patients. Braum DP, et al. **J Immunopharmacol** 1984; 6(3):227-36
Plasma glutathione in health and in patients with malignant disease. Beutler E, et al. **J Lab Clin Med** 1985 May; 105(5):581-4
Distribution of copper among components of human serum. Wirth PL, et al. **JNCI** 1985 Aug;75(2):277-84
Sialylated Lewis antigen detected in the sera of cancer patients [letter] Iguro T, et al. **Lancet** 1984 Oct 6; 2(8406):817-8
Effects of double filtration plasmapheresis on immunosuppressive activity of sera of the patients with advanced cancer. Miyazaki M, et al. **Life Support Syst** 1985 Jan-Mar;3(1):92-4
The systemic effect of cancers on human sera proton NMR relaxation times. Beall PT, et al. **Magn Reson Imaging** 1984; 2(2):83-7
Changes in spontaneous SCE frequencies as a function of sampling time in lymphocytes from normal donors and cancer patients. Parkes DJ, et al. **Mutat Res** 1985 Jun; 147(3):113-22
Production of hemopoietic factors by human malignant tumors. Asano S, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Dec;47(8):1753-63
Immune complexes and acute phase proteins in human cancer: preliminary evaluation by laser nephelometric techniques. Bartoloni C, et al. **Oncology** 1985;42(3):150-6
Serum interferon as a biological marker in malignant tumors. Horn Y, et al. **Oncology** 1985;42(3):164-8
Lipid bound sialic acid in cancer patients. Salvagno L, et al. **Tumori** 1985 Apr 30;71(2):127-33
[Hyperviscosity in cancer patients and huo xue hua yu therapy] Chen JM. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Feb;5(2):89-91, 67 (Eng. Abstr.) (Chi)
[Determination of serum fibrin/fibrinogen degradation products in patients with cancer and an exploration of huo xue hua yu therapy] Tie Y. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Feb;5(2):95-6, 67 (Eng. Abstr.) (Chi)
[Fluorescence analysis of hematoporphyrin derivative in the serum of cancer patients] Chen YQ. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):19-21 (Eng. Abstr.) (Chi)
[Study on clinical value of significance of serum haptoglobin in patients with malignant tumors] Ke JL. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):265-8 (Eng. Abstr.) (Chi)
[Malignant tumors and ABO blood groups--an analysis of 10,258 patients with malignant tumors] Wan DS. **Chung Hua Chung Liu Tsa Chih** 1984 Nov;6(6):435-8 (Eng. Abstr.) (Chi)
[Preoperative denutrition: is the assay of fibronectin a good marker in cancer patients? (letter)] Delalande JP, et al. **Presse Med** 1985 Jun 1;14(22):1244 (Fre)
[Diagnosis of malignant diseases using tumor markers] Schneider J. **Biomed Tech (Berlin)** 1984 Nov;29(11):278-82 (22 ref.) (Eng. Abstr.) (Ger)
[Visual classification of erythrocytes in blood smears from normal subjects and patients] Linke A, et al. **Folia Haematol (Leipz)** 1985;112(1):150-8 (Eng. Abstr.) (Ger)
[Blood coagulation in 222 cases of solid malignant neoplasms] Padoan AM, et al. **Chir Ital** 1985 Feb;37(1):3-16 (Eng. Abstr.) (Ita)
[Plasma proteins and acute phase proteins as tumor markers] Koch OM, et al. **Ric Clin Lab** 1984;14 Suppl 2:57-65 (Ita)
[Changes of immunosuppressive acidic protein (IAP) in patients treated with total-body hyperthermia] Maeta M, et al. **Gan To Kagaku Ryoho** 1985 Jan;12(1):163-5 (Jpn)
[Plasma concentration of peplomycin following intravenous infusion and subcutaneous infusion in patients with malignancies] Sampi K, et al. **Gan To Kagaku Ryoho** 1984 Nov;11(11):2372-4 (Eng. Abstr.) (Jpn)
[Enzymatic changes in the leukocytes of patients with neoplasms] Merkiel K, et al. **Acta Haematol Pol** 1984 Jul-Dec;15(3-4):195-202 (84 ref.) (Pol)
[The role of autoimmune hemolytic processes in echinocytic erythrocyte transformation in malignant growths] Aleksandrova LM, et al. **Eksp Onkol** 1984;6(3):48-9 (Eng. Abstr.) (Rus)
[Various structural-functional characteristics of erythrocyte membranes in malignant growths] Slobozhanina EI, et al. **Eksp Onkol** 1984;6(4):70-2 (Eng. Abstr.) (Rus)
[Blood serum cholinesterase activity in oncological diseases] Iriskhanov KhA, et al. **Lab Delo** 1984;(9):551-3 (Eng. Abstr.) (Rus)
[Disorders of catecholamine sorption by the formed elements of the blood in cancer patients and restorative therapy] Sheveleva VS, et al. **Vopr Onkol** 1985;31(5):72-4 (Rus)
[Detection of alpha-fetoprotein in the blood serum postoperatively in cancer patients] Vasil'ev MIu, et al. **Vopr Onkol** 1985;31(7):21-4 (Eng. Abstr.) (Rus)
[Alpha 1-antitrypsin and neoplasms] Millán Núñez-Cortés J. **Rev Clin Esp** 1984 Aug 15-31;174(3-4):65-7 (60 ref.) (Spa)
[Quantification of serum alpha-1-antitrypsin as a biological marker in cancer] Senra Valera A, et al. **Rev Clin Esp** 1985 May;176(8):406-9 (Eng. Abstr.) (Spa)

BLOOD SUPPLY

Vascular endothelium as the vulnerable element in tumours. Denekamp J. **Acta Radiol [Oncol]** 1984;23(4):217-25
Tumor angiogenesis. Folkman J. **Adv Cancer Res** 1985; 43:175-203 (152 ref.)
A possible explanation of mechanisms inducing inhibition of vascularization of tumours by antifibrinolytic drugs--the influence of migratory behaviour of endothelial cells. Teuscher E, et al. **Biomed Biochim Acta** 1984;43(4):447-56
Functional characterization of the microcirculation in tumors. Suzuki M, et al. **Cancer Metastasis Rev** 1984; 3(2):115-26
Canine normal and tumor tissue estimated blood flow during fractionated hyperthermia. Milligan AJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1679-84
A possible nonimmunologic biological response to neoplasia: the tumor fibrovascular stroma. Machado EA. **J Biol Response Mod** 1985 Feb;4(1):3-7
Induced hypertension chemotherapy for solid tumors based on functional characteristics of tumor vessels. Wakui A, et al. **Jpn J Med** 1985 Feb;24(1):77-8
Tumor vascularization, hypoxia, staging of tumors and radiocurability. Révész L, et al. **Strahlentherapie** 1984 Nov; 160(11):658-60
[Interventional radiology in chemotherapy. Percutaneous arterial route and and embolization with microspheres]

Bruneton JN, et al. **J Radiol** 1984 Dec;65(12):833-8 (Eng. Abstr.) (Fre)

[Tumor vascularity under hypertension induced by intravenous infusion of angiotensin II. An angiographic observation] Kato T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Aug 25; 44(8):1101-3 (Eng. Abstr.) (Jpn)

[Peripheral vascular bed of neoplasms--an unknown area in cancer pathology] Kulig A, et al. **Ginekol Pol** 1984 Oct; 55(10):713-29 (69 ref.) (Pol)

CEREBROSPINAL FLUID

Cytodiagnosis of malignant lesions in cerebrospinal fluid. Review and cytohistologic correlation. An-Foraker SH. **Acta Cytol (Baltimore)** 1985 May-Jun;29(3):286-90

CHEMICALLY INDUCED

Modifiers of carcinogenesis. The Danish Ministry of Environmental Protection. Proceedings of the symposium in Copenhagen, September 22-23, 1983. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 2:1-204

Co-carcinogens of the initiation-(or tumor)promoter type as environmental risk factors of cancer in man, experimental analysis of an etiologic model situation of life style cancer and current problems of assessment of cancer risk in multifactorial carcinogenesis. Hecker E. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 2:145-64 (49 ref.)

Modifiers of carcinogenesis. Aim and scope of the conference. What shall we consider a modifier? Thorling EB. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 2:9-14

The role of genotoxic carcinogens and of promoters in carcinogenesis and in human cancer causation. Weisburger JH, et al. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 2:53-68 (67 ref.)

N-Nitroso compounds and human cancer. A molecular epidemiologic approach. Choi BC. **Am J Epidemiol** 1985 May;121(5):737-43

Mortality and cancer morbidity after heavy occupational fluoride exposure. Grandjean P, et al. **Am J Epidemiol** 1985 Jan;121(1):57-64

Animal studies and prediction of human tumors can be aided by graphical sorting of animal data: neoplastic risk from B(a)P, benzene, benzidine, and chromium. Jones TD, et al. **Am J Ind Med** 1985;7(3):185-217

Occupational cancer: problems in interpreting human evidence. Doll R. **Ann Occup Hyg** 1984;28(3):291-305

Assessment of risk from low-level exposure to radiation and chemicals. A critical overview. **Basic Life Sci** 1985; 33:1-529

Report of National Cancer Institute symposium: comparison of mechanisms of carcinogenesis by radiation and chemical agents. I. Common molecular mechanisms. Borg DC. **Basic Life Sci** 1985;33:17-42

Statistical aspects of the estimation of human risks. Brown CC. **Basic Life Sci** 1985;33:125-40

Role of tumor promotion in affecting the multi-hit nature of carcinogenesis. Trosko JE, et al. **Basic Life Sci** 1985; 33:261-84

Further evidence of the safety of tar in the management of psoriasis. Jones SK, et al. **Br J Dermatol** 1985 Jul; 113(1):97-101

Carcinogenic potential of hydrotreated petroleum aromatic extracts. Doak SM, et al. **Br J Ind Med** 1985 Jun; 42(6):380-8

Mortality and cancer incidence in the perfumery and flavour industry of Geneva. Guberan E, et al. **Br J Ind Med** 1985 Apr;42(4):240-5

Vinyl chloride: the evidence for human carcinogenicity in different target organs [editorial] Salmon AG. **Br J Ind Med** 1985 Feb;42(2):73-4

Cellular biochemistry of the stepwise development of cancer with chemicals: G. H. A. Clowes memorial lecture. Farber E. **Cancer Res** 1984 Dec;44(12 Pt 1):5463-74 (152 ref.)

Nicotine-derived N-nitrosamines and tobacco-related cancer: current status and future directions. Hoffmann D, et al. **Cancer Res** 1985 Mar;45(3):935-44 (99 ref.)

Sister chromatid exchanges induced by cancer chemotherapeutic agents in vitro and in vivo: consideration of the hazard of drugs as possible mutagens and carcinogens causing second malignancies. Abe T, et al. **Cancer Treat Rep** 1985 May;69(5):505-14

Malignancies induced by chlorambucil. Palmer RG, et al. **Cancer Treat Rev** 1984 Jun;11(2):121-9 (69 ref.)

Relevance of nitrosamines to human cancer. Bartsch H, et al. **Carcinogenesis** 1984 Nov;5(11):1381-93 (170 ref.)

Induction by asbestos fibers of anaphase abnormalities: mechanism for aneuploidy induction and possibly carcinogenesis. Hesterberg TW, et al. **Carcinogenesis** 1985 Mar;6(3):473-5

Ethanol and dimethylnitrosamine and diethylnitrosamine metabolism and disposition in the rat. Possible relevance to the influence of ethanol on human cancer incidence. Swann PF, et al. **Carcinogenesis** 1984 Oct;5(10):1337-43

Chemical carcinogenesis: a biochemical overview. Chambers RW. **Clin Biochem** 1985 Jun;18(3):158-68 (59 ref.)

Second cancers following antineoplastic therapy. Dorr FA, et al. **Curr Probl Cancer** 1985 Feb;9(2):1-43 (108 ref.)

Evaluation of the toxicity and carcinogenicity of hair dyes in Swiss mice. Jacobs MM, et al. **Drug Chem Toxicol** 1984; 7(6):573-86

Occupational cancer and chemical structure: past, present, and future. Haley TJ. **Drug Metab Rev** 1984;15(5-6):919-39 (108 ref.)

Structure-activity relationships in the carcinogenicity of anticancer agents. Prejean JD. et al. **Drug Metab Rev** 1984; 15(3):619-46 (82 ref.)

Health effects of chemical products. Steensberg J. **Ecol Dis** 1982;1(4):201-12 (41 ref.)

Chemicals showing no evidence of carcinogenicity in long-term, two-species rodent studies: the need for short-term test data. Shelby MD, et al. **Environ Mutagen** 1984;6(6):871-8

'The Apocalyptics'. Karstadt M. **Environ Res** 1985 Apr; 36(2):490-500

Design of animal carcinogenicity studies for goodness-of-fit of multistage models. Portier CJ, et al. **Fundam Appl Toxicol** 1984 Dec;4(6):949-59

Apocalypse movement [letter] Solomon RD. **Hum Pathol** 1985 Aug;16(8):860

Soots. **IARC Monogr Eval Carcinog Risk Chem Hum** 1985 Jan;35:219-41

Coke production. **IARC Monogr Eval Carcinog Risk Chem Hum** 1984 Jun; 34:101-31

Coal gasification. **IARC Monogr Eval Carcinog Risk Chem Hum** 1984 Jun; 34:65-99

Agriculturally-related carcinogenic risk. Börzsönyi M, et al. **IARC Sci Publ** 1984;(56):465-86

Nickel and cancer associations from a multicancer occupation exposure case-referent study: preliminary findings. Gerin M, et al. **IARC Sci Publ** 1984;(53):105-15

Drugs and environmental chemicals as promoters. Greim H, et al. **IARC Sci Publ** 1984;(56):487-94

Influence of ethyl alcohol on carcinogenesis induced with N-nitrosodiethylamine. Griciutė L, et al. **IARC Sci Publ** 1984;(56):413-7

Nickel in welding fumes--a cancer hazard to welders? A review of epidemiological studies on cancer in welders. Langård S, et al. **IARC Sci Publ** 1984;(53):95-103 (41 ref.)

Contrasting responses of rats and Syrian hamsters to orally administered N-nitroso compounds. Lijinsky W. **IARC Sci Publ** 1984;(57):617-26

Epidemiological assessment of risk to humans from exposure to nitrosamines. Miller AB, et al. **IARC Sci Publ** 1984; (57):929-36

Animal feeding study with nitrite-treated meat. Olsen P, et al. **IARC Sci Publ** 1984;(57):667-75

Nitrosamine carcinogenesis in 5120 rodents: chronic administration of sixteen different concentrations of NDEA, NDMA, NPYR and NPIP in the water of 4440 inbred rats, with parallel studies on NDEA alone of the effect of age of starting (3, 6 or 20 weeks) and of species (rats, mice or hamsters). Peto R, et al. **IARC Sci Publ** 1984; (57):627-65

Medical and toxicological aspects of occupational nickel exposure in the Federal Republic of Germany--clinical results (carcinogenicity, sensitization) and preventive measures (biological monitoring). Raithel HJ, et al. **IARC Sci Publ** 1984;(53):403-15

Carcinogenic activity of N-nitrosodiethylamine in snakes (Python reticulatus, Schneider). Schmähl D, et al. **IARC Sci Publ** 1984;(57):677-82

Effect of ethanol on nitrosamine metabolism and distribution. Implications for the role of nitrosamines in human cancer and for the influence of alcohol consumption on cancer incidence. Swann PF. **IARC Sci Publ** 1984;(57):501-12

The use of in-vitro assays to study and to detect tumour promoters. Trosko JE, et al. **IARC Sci Publ** 1984; (56):239-52

DNA methylation by N-nitrosomethylbenzylamine in target and non-target tissues of laboratory rodents. Comparison with carcinogenicity. Wiestler OD, et al. **IARC Sci Publ** 1984;(57):595-601

Intercellular communication, cell differentiation and tumour promotion. Yamasaki H, et al. **IARC Sci Publ** 1984; (56):217-38

Irritant diterpene ester promoters of mouse skin: contributions to etiologies of environmental cancer and to biochemical mechanisms of carcinogenesis. Hecker E, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:3-36

Molecular mechanisms of tumor promotion and multistage carcinogenesis. Weinstein IB, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:59-74 (81 ref.)

The air toxics problem in the United States: an analysis of cancer risks posed by selected air pollutants. Thomson VE, et al. **J Air Pollut Control Assoc** 1985 May;35(5):535-40

The carcinogenicity of caffeine and coffee: a review. Pozniak PC. **J Am Diet Assoc** 1985 Sep;85(9):1127-33 (115 ref.)

Critical remarks on the validity of promoting effects in human carcinogenesis. Schmähl D. **J Cancer Res Clin Oncol** 1985; 109(3):260-2

Cancer mortality in England in relation to levels of naturally occurring fluoride in water supplies. Chilvers C, et al. **J Epidemiol Community Health** 1985 Mar;39(1):44-7

Identifying unexposed workers from occupational cohorts [letter] Checkoway H. **J Occup Med** 1985 Apr;27(4):240

Psychology in health risk messages for workers. Cohen A, et al. **J Occup Med** 1985 Aug;27(8):543-51

Obtaining occupational exposure histories in epidemiologic case-control studies. Gérin M, et al. **J Occup Med** 1985 Jun;27(6):420-6

Monographs on human exposures to chemicals in the workplace. Hoar SK, et al. **J Occup Med** 1985 Aug; 27(8):585-6

Cancer risk among oil refinery workers. A review of epidemiologic studies. Savitz DA, et al. **J Occup Med** 1984 Sep;26(9):662-70 (37 ref.)

Oral contraceptives and neoplasia. Stubblefield PG. **J Reprod Med** 1984 Jul;29(7 Suppl):524-9

Mitochondrial regulation of cell surface components in relation to carcinogenesis. John P. **J Theor Biol** 1984 Oct 5;110(3):377-81

Effects of the interaction of dietary fat and protein on N-nitrosobis(2-oxopropyl)amine-induced carcinogenesis and spontaneous lesions in Syrian golden hamsters. Birt DF, et al. **JNCI** 1985 May;74(5):1121-7

Cancer risk among women exposed to exogenous estrogens during pregnancy. Hadjimichael OC, et al. **JNCI** 1984 Oct; 73(4):831-4

Quantitative risk assessment: report of the Subcommittee on Environmental Carcinogenesis, National Cancer Advisory Board. Samuels SW, et al. **JNCI** 1985 Apr;74(4):945-51

Long-term mortality study of oil refinery workers. IV. Exposure to the lubricating-dewaxing process. Wen CP, et al. **JNCI** 1985 Jan;74(1):11-8

Mediation of organ specificity in chemical carcinogenesis. Kahng MW. **Med Hypotheses** 1985 Apr;16(4):403-7

Diethylstilbestrol, genetics, teratogenesis, and tumor spectrum in humans. Lynch HT, et al. **Med Hypotheses** 1985 Mar;16(3):315-32 (56 ref.)

A common pathway for chemical-induced tissue injury and immune responses leading to hypersensitivity and/or carcinogenesis. Weliky N, et al. **Med Hypotheses** 1985 Jan; 16(1):69-91 (97 ref.)

A quantum mechanical approach to the theory of cancer from polynuclear compounds. Metabolic activation and carcinogenicity of extended anilines and aminoazo compounds. Mohammad SN. **Mol Pharmacol** 1985 Jan; 27(1):148-55

The negligible role of ethylene dibromide in overall human cancer risk. Weisburger JH. **NY State J Med** 1985 Mar; 85(3):103-5 (12 ref.)

Tumor promoters and cell transformation. Diamond L. **Pharmacol Ther** 1984;26(1):89-145 (593 ref.)

Toxicity, immunosuppressive effects and carcinogenic potential of volatile nitrites: possible relationship to Kaposi's sarcoma. Newell GR, et al. **Pharmacotherapy** 1984 Sep-Oct;4(5):284-91

More on steroids for athletes [letter] Singer EP. **Pharos** 1985 Winter;48(1):39

Toxicity, tumor promotion, and carcinogenesis in relation to excessive dosage. Flavin DF. **Regul Toxicol Pharmacol** 1984 Dec;4(4):372-9

Formaldehyde. Wilhelmsson B. **Rhinology** 1985 Jun; 23(2):128-9

Cancer risk of arc welders exposed to fumes containing chromium and nickel. Becker N, et al. **Scand J Work Environ Health** 1985 Apr;11(2):75-82

Prooxidant states and tumor promotion. Cerutti PA. **Science** 1985 Jan 25;227(4685):375-81 (83 ref.)

Models of carcinogenesis [letter] Gravitz N. **Science** 1984 Nov 30;226(4678):1022

Multiple organ carcinogenicity of 1,3-butadiene in B6C3F1 mice after 60 weeks of inhalation exposure. Huff JE, et al. **Science** 1985 Feb 1;227(4686):548-9

Implications of multiple mechanisms of carcinogenesis for short-term testing. Harper BL, et al. **Teratogenesis Carcinog Mutagen** 1984;4(6):483-503

Male Wistar rats exposed to two polychlorinated biphenyls (Clophen A 30 or Clophen A 60) [letter] Young SS. **Toxicol Appl Pharmacol** 1985 Apr;78(2):321-2

Tumorigenic and toxic effect of O,S-dibenzoyl thiamine hydrochloride in prolonged dietary administration to rats. Heywood R, et al. **Toxicol Lett** 1985 Jul;26(1):53-8

2nd International symposium of the Society of Toxicologic Pathologists. Design of carcinogenicity studies: considerations in pathology interpretation. May 9-11, 1983, Arlington, Virginia. **Toxicol Pathol** 1983;11(1):28-95

2nd International symposium of the Society of Toxicologic Pathologists. Design of carcinogenicity studies: considerations in pathology interpretation. May 9-11, 1983, Arlington, Virginia. **Toxicol Pathol** 1983;11(2):132-207

Interface between pathology and epidemiology in carcinogenesis. Campbell JS, et al. **Toxicol Pathol** 1983; 11(2):167-71

Statistical issues in the design and analysis of carcinogenicity bioassays. Hajian G. **Toxicol Pathol** 1983;11(1):83-9

Statistical support of the proposed National Toxicology Program protocol. Haseman JK. **Toxicol Pathol** 1983; 11(1):77-82

Initiation/promotion designs in carcinogenicity bioassays. Hayashi Y. **Toxicol Pathol** 1983;11(2):143-8

Relevance of cellular autonomy to regulatory decisions. King CD, et al. **Toxicol Pathol** 1983;11(2):188-207

Pathology requirements for rodent two-year studies. I. A review of current procedures. McConnell EE. **Toxicol Pathol** 1983;11(1):60-4

Pathology requirements for two-year rodent studies II. Alternative approaches. McConnell EE. **Toxicol Pathol** 1983;11(1):65-76

Design of carcinogenicity studies, dose selection, route, blood levels, transformation. Neal RA. **Toxicol Pathol** 1983; 11(1):48–54

Current genetic assays in long term protocols. Schreiner CA. **Toxicol Pathol** 1983;11(1):90–5

Dose selection as it pertains to testing a prodrug in carcinogenicity bioassays. Szczech GM, et al. **Toxicol Pathol** 1983;11(1):55–9

Lindane bioassay studies and human cancer risk assessment. Vesselinovitch SD, et al. **Toxicol Pathol** 1983;11(1):12–22

[Late results of nuclear and chemical weapons in man] Dienstbier Z. **Cas Lek Cesk** 1984 Dec 14;123(50):1521–3 (Eng. Abstr.) **(Cze)**

[Nitrosamines--potential carcinogens?] Klamová H, et al. **Cas Lek Cesk** 1985 Aug 30;124(35):1093–6 (Eng. Abstr.) **(Cze)**

[Carcinogenic agents in our environment] Norpoth K. **Acta Med Austriaca** 1985;12(1):1–8 (Eng. Abstr.) **(Ger)**

[Ovulation inhibitors and tumors] Freundl G, et al. **Dtsch Med Wochenschr** 1985 Aug 30;110(35):1346–50 (79 ref.) **(Ger)**

[Risk of cancer caused by formaldehyde. Viewpoint of the German Society for Pathology and the German Pathologists Association] Bässler R, et al. **Pathologe** 1985 Jan;6(1):1–2 **(Ger)**

[Arsenicism, skin cancer and internal malignancies] Pines A, et al. **Harefuah** 1985 Feb 1;108(3):148–9 **(Heb)**

[Benzene carcinogenesis] Melino C. **Clin Ter** 1984 Sep 30; 110(6):595–600 **(Ita)**

[Monitoring of laborers previously exposed to aromatic amines, in accordance with Circulars No. 46 of 12/6/1979 and No. 61 of 4/6/1981 of the Ministry of Labor] Seghizzi P, et al. **G Ital Med Lav** 1983 Sep;5(5):207–13 (Eng. Abstr.) **(Ita)**

[International-cooperative studies on carcinogenicity evaluation of environmental chemicals] Hayashi Y. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):579–84 (Eng. Abstr.) **(Jpn)**

[Cancer among nurses. With special reference to exposure to anesthetic gases] Lund E. **Tidsskr Nor Laegeforen** 1985 Mar 20;105(8):572–5 (Eng. Abstr.) **(Nor)**

[Occupational hazards of chemical carcinogens] Indulski J, et al. **Med Pr** 1984;35(6):443–8 (Eng. Abstr.) **(Pol)**

[Free radicals and oxidative phosphorylation in chemical carcinogenesis] Miminoshvili AA, et al. **Biofizika** 1984 Jul–Aug;29(4):683–5 (Eng. Abstr.) **(Rus)**

[Current status of the problem of testing drugs for carcinogenicity] Shashkina LF, et al. **Farmakol Toksikol** 1985 May–Jun;48(3):107–13 (30 ref.) **(Rus)**

[Carcinogenic effect of chemical substances on humans] Kimina SN, et al. **Gig Sanit** 1985 Feb;(2):57–60 (70 ref.) **(Rus)**

[Combined effect of radiation and chemical carcinogens] Moskalev IuI, et al. **Med Radiol (Mosk)** 1984 Sep;29(9):50–9 (36 ref.) **(Rus)**

[Molecular mechanisms of initiation and promotion of multistage chemical carcinogenesis] Khudoleĭ VV. **Vopr Onkol** 1985;31(2):94–9 (38 ref.) (Eng. Abstr.) **(Rus)**

[Perinatal effects of sex hormones and the problem of hormonal carcinogenesis] Loktionov AS. **Vopr Onkol** 1985; 31(2):3–12 (77 ref.) **(Rus)**

[Retrospective cohort study shows: total low mortality among stevedores but an increasingly high risk for cancer morbidity] Gustafsson L, et al. **Lakartidningen** 1985 Jul 24; 82(30-31):2604–6 **(Swe)**

CLASSIFICATION

On classifying cancers while treating patients [editorial] Feinstein AR. **Arch Intern Med** 1985 Oct;145(10):1789–91

[A plea in favor of a general and common classification of malignant tumors (editorial)] Auvert J. **Ann Urol (Paris)** 1984 Dec;18(6):369–70 **(Fre)**

[Nomenclature and classification of animal tumors based on currently recognized classification systems exemplified by mammary tumors. A contribution to comparative oncology] Schönbauer M. **Berl Munch Tierarztl Wochenschr** 1984 Jul 1;97(7):245–51 (Eng. Abstr.) **(Ger)**

[International Statistical Classification of Diseases, 9th revision: Neoplasms] Napalkov NP, et al. **Vopr Onkol** 1984; 30(12):3–9 **(Rus)**

[New histopathologic methodology in the classification of tumors of unknown origin (letter)] Vera-Román JM. **Med Clin (Barc)** 1984 Oct 20;83(12):520 **(Spa)**

[Current problems in the classification of neoplasms] Llanes Menéndez F. **Rev Esp Oncol** 1983;30(2):251–61 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Bullous pemphigoid and malignancy: relationship to indirect immunofluorescent findings. Venencie PY, et al. **Acta Derm Venereol (Stockh)** 1984;64(4):316–9

Neoplasms in rheumatoid arthritis: update on clinical and epidemiologic data. **Am J Med** 1985 Jan 21;78(1A):1–83

Candidiasis in cancer patients. Bodey GP. **Am J Med** 1984 Oct 30;77(4D):13–9

Single-agent therapy for infections in neutropenic cancer patients. Fainstein V, et al. **Am J Med** 1985 Aug 9; 79(2A):83–8

Potential of imipenem as single-agent empiric antibiotic therapy of febrile neutropenic patients with cancer. Wade JC, et al. **Am J Med** 1985 Jun 7;78(6A):62–72

Review of amikacin usage in the EORTC trials. Zinner SH. **Am J Med** 1985 Jul 15;79(1A):17–20

Dyspnea in advanced cancer. Maxwell MB. **Am J Nurs** 1985 Jun;85(6):672–7

Supportive care for children with cancer. Guidelines of the Childrens Cancer Study Group. The role of granulocyte transfusions. Strauss RG. **Am J Pediatr Hematol Oncol** 1984 Fall;6(3):247–53 (34 ref.)

Supportive care for children with cancer. Guidelines of the Childrens Cancer Study Group. Use of prophylactic antibiotics. Wolff LJ. **Am J Pediatr Hematol Oncol** 1984 Fall;6(3):267–76 (57 ref.)

Supportive care for children with cancer. Guidelines of the Childrens Cancer Study Group. Prevention of graft-vs.-host disease. Woods WG. **Am J Pediatr Hematol Oncol** 1984 Fall;6(3):283–6 (29 ref.)

Asbestosis, the nervous system and cancer. Juntunen J, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):353–60

Acromegaly and cancer [editorial] Klein I. **Ann Intern Med** 1984 Nov;101(5):706–7

Nutrition and cancer: physiological interrelationships. van Eys J. **Annu Rev Nutr** 1985;5:435–61 (183 ref.)

Comparison of standard versus pharmacokinetically adjusted amikacin dosing in granulocytopenic cancer patients. Finley RS, et al. **Antimicrob Agents Chemother** 1982 Aug; 22(2):193–7

Piperacillin plus vancomycin in the therapy of febrile episodes in cancer patients. Jadeja L, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):295–9

Single-drug versus combination empirical therapy for gram-negative bacillary infections in febrile cancer patients with and without granulocytopenia. Piccart M, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):870–5

Dental health of survivors of malignant disease. Welbury RR, et al. **Arch Dis Child** 1984 Dec;59(12):1186–7

Pseudomonas bacteremia. Retrospective analysis of 410 episodes. Bodey GP, et al. **Arch Intern Med** 1985 Sep; 145(9):1621–9

Intravenous etidronate in the management of malignant hypercalcemia. Ryzen E, et al. **Arch Intern Med** 1985 Mar; 145(3):449–52

Activity of some antibiotics against Pseudomonas aeruginosa strains isolated from cancerous patients. Del Piano M, et al. **Boll Ist Sieroter Milan** 1984 Jul 31;63(3):181–7

Smoking and malignancy in schizophrenia. Masterson E, et al. **Br J Psychiatry** 1984 Oct;145:429–32

Hypoglycaemia in acute myelomonoblastic leukaemia [letter] Macdougall IC, et al. **Br Med J [Clin Res]** 1985 Jan 12; 290(6462):161

Managing oncologic emergencies involving structural dysfunction. Glover DJ, et al. **CA** 1985 Jul–Aug; 35(4):238–51 (65 ref.)

Macronutrient requirements in the malnourished cancer patient. How much of what and why? Dempsey DT, et al. **Cancer** 1985 Jan 1;55(1 Suppl):290–4

Control of malignant ascites by peritoneovenous shunting. Gough IR. **Cancer** 1984 Nov 15;54(10):2226–30

Tissue components of weight loss in cancer patients. A new method of study and preliminary observations. Heymsfield SB, et al. **Cancer** 1985 Jan 1;55(1 Suppl):238–49

Aspects of amino acid and protein metabolism in cancer-bearing states. Landel AM, et al. **Cancer** 1985 Jan 1;55(1 Suppl):230–7 (63 ref.)

Multiple primary tumors in association with prostatic cancer. Liskow AS, et al. **Cancer** 1984 Dec 1;54(11):2549–55

Functional outcome and survival in spinal cord injury secondary to neoplasia. Murray PK. **Cancer** 1985 Jan 1; 55(1):197–201

Cancer in collagen disease. A statistical analysis by reviewing the Annual of Pathological Autopsy Cases (Nippon Boken Shuho) in Japan. Okayasu I, et al. **Cancer** 1984 Nov 1; 54(9):1841–4

Body composition of patients with malnutrition and cancer. Summary of methods of assessment. Shizgal HM. **Cancer** 1985 Jan 1;55(1 Suppl):250–3

The role of preoperative parenteral nutrition in cancer patients. Silberman H. **Cancer** 1985 Jan 1;55(1 Suppl):254–7

Thrombocytopenia and laboratory evidence of disseminated intravascular coagulation after shunts for ascites in malignant disease. Tempero MA, et al. **Cancer** 1985 Jun 1;55(11):2718–21

Anemia in cancer. Zucker S. **Cancer Invest** 1985;3(3):249–60 (66 ref.)

Transcatheter thrombolysis in cancer patients. Kudo S, et al. **Cardiovasc Intervent Radiol** 1985;8(1):1–7

Carcinomatous and tuberculous pleural effusions. Comparison of tumor markers. Niwa Y, et al. **Chest** 1985 Mar;87(3):351–5

Pulmonary disease caused by rapidly growing mycobacteria in patients with cancer. Rolston KV, et al. **Chest** 1985 Apr; 87(4):503–6

Cancer in uremic patients. Bush A, et al. **Clin Nephrol** 1984 Aug;22(2):77–81

Possibility of Mallory-Weiss syndrome in cancer patients [letter] Stein ZL, et al. **Clin Pharm** 1984 Sep–Oct;3(5):471

Current guidelines on the use of antibacterial drugs in patients with malignancies. Mayer KH, et al. **Drugs** 1985 Mar; 29(3):262–79 (126 ref.)

Oral BVDU treatment of varicella and zoster in children with cancer. Benoit Y, et al. **Eur J Pediatr** 1985 Jan; 143(3):198–202

Tumour-host metabolic interaction and cachexia. Lazo PA. **FEBS Lett** 1985 Aug 5;187(2):189–92

Achalasia secondary to nongastrointestinal malignancies. Feczko PJ, et al. **Gastrointest Radiol** 1985;10(3):273–6

Management of infections in immunocompromised cancer patients. Bajetta E, et al. **Haematologica (Pavia)** 1984 Sep–Oct;69(5):576–97 (105 ref.)

Homozygous beta thalassemia and cancer. Miniero R, et al. **Haematologica (Pavia)** 1985 Jan–Feb;70(1):78–9

Ploidy pattern of megakaryocytes in patients with metastatic tumors with and without paraneoplastic thrombosis and in controls. Winkelmann M, et al. **Haemostasis** 1984; 14(6):501–7

Empiric antimicrobial therapy in cancer patients. Browne MT, et al. **Hamatol Bluttransfus** 1985;29:112–8

Myelolactoferrin index (MLF) and myelopoiesis during bacterial infections and malignant diseases. Neth R, et al. **Hamatol Bluttransfus** 1985;29:183–6

Moxalactam and piperacillin: a study of in vitro characteristics and pharmacokinetics in cancer patients. Drusano GL, et al. **Infection** 1985 Jan–Feb;13(1):20–6

WHO guidelines for the use of analgesics in cancer pain. Ventafridda V, et al. **Int J Tissue React** 1985;7(1):93–6

Cefotaxime: single agent therapy for infections in cancer patients with adequate granulocyte counts. Rolston K, et al. **J Antimicrob Chemother** 1985 Jan;15(1):91–6

Tumor products and the hypercalcemia of malignancy. Mundy GR, et al. **J Clin Invest** 1985 Aug;76(2):391–4

Neoplastic fever responds to the treatment of an adequate dose of naproxen. Chang JC, et al. **J Clin Oncol** 1985 Apr; 3(4):552–8

Neoplasia and the erythron. Doll DC, et al. **J Clin Oncol** 1985 Mar;3(3):429–46 (250 ref.)

Tumor-associated peripheral eosinophilia: two unusual cases. Reddy SS, et al. **J Clin Oncol** 1984 Oct;2(10):1165–9

Liposomal amphotericin B for the treatment of systemic fungal infections in patients with cancer: a preliminary study. Lopez-Berestein G, et al. **J Infect Dis** 1985 Apr; 151(4):704–10

Experience with hypercalcemia and osteoporosis of neoplastic disease. Ambrus JL, et al. **J Med** 1984; 15(4):310–8 (39 ref.)

Susceptibility of fungi in mouthrinse specimens from patients with haematological malignancies. Kostiala AA, et al. **J Med Microbiol** 1984 Oct;18(2):249–54

Early diagnosis of pulmonary osteoarthropathy in neoplastic disease. Lopez-Majano V, et al. **J Nucl Med Allied Sci** 1984 Apr–Jun;28(2):69–76

Management in the febrile, neutropenic patient with cancer: therapeutic considerations. Brown AE. **J Pediatr** 1985 Jun; 106(6):1035–42 (48 ref.)

Importance of nutritional assessment and support in surgical and cancer patients. Orr JW Jr, et al. **J Reprod Med** 1984 Sep;29(9):635–50 (113 ref.)

Thromboembolism and cancer: treatment with the Hunter balloon. DeLaria GA, et al. **J Vasc Surg** 1984 Sep; 1(5):670–4

Demonstration of electrical and mechanical alternans in malignant pericardial effusion with 2-D echocardiography. Ratib O, et al. **JCU** 1984 Oct;12(8):501–4

Significance of hypoalbuminemia in pediatric oncology patients—malnutrition or infection? Merritt RJ, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun;9(3):303–6

Hypercalcaemia in advanced malignancy [letter] Kaye PM, et al. **Lancet** 1985 Mar 2;1(8427):512

Autoimmunity and malignancy. McCarty GA. **Med Clin North Am** 1985 May;69(3):599–615 (80 ref.)

Cancer cachexia: a manifestation of hypersensitivity? Rivarola A. **Med Hypotheses** 1985 Mar;16(3):279–81

Cerebrovascular complications in patients with cancer. Graus F, et al. **Medicine (Baltimore)** 1985 Jan;64(1):16–35

Kidney and cancer: results of immunofluorescence microscopy. Beaufils H, et al. **Nephron** 1985;40(3):303–8

Infections in patients with solid tumors. McCormick RD. **Nurs Clin North Am** 1985 Mar;20(1):199–205

The changing pathogenesis of aspergilloma or 'fungus ball'. Bardana EJ Jr. **NY State J Med** 1984 Sep;84(9):436–7

Spinal cord disorders in patients with cancer. Ojeda VJ, et al. **Pathol Annu** 1984;19 Pt 2:63–88 (74 ref.)

Oncologic emergencies II. Hematologic and infectious complications of cancer and cancer treatment. Allegretta GJ, et al. **Pediatr Clin North Am** 1985 Jun;32(3):613–24

New pulmonary infiltrates in granulocytopenic cancer patients being treated with antibiotics. Commers JR, et al. **Pediatr Infect Dis** 1984 Sep–Oct;3(5):423–8

Cerebrovascular accidents in children with cancer. Packer RJ, et al. **Pediatrics** 1985 Aug;76(2):194–201

Nephrotic syndrome and neoplasm. The findings to date, with practical implications. Papper S. **Postgrad Med** 1984 Nov 1;76(6):147–8, 153–8

Oncologic emergencies in primary care. Five malignancy-associated conditions to watch for. Thomas MR, et al. **Postgrad Med** 1985 Sep 15;78(4):41–9

Neurologic complications of systemic cancer. Akman SA, et al. **Primary Care** 1984 Dec;11(4):597–623

Bacteremia caused by Aeromonas species in hospitalized cancer patients. Harris RL, et al. **Rev Infect Dis** 1985 May–Jun;7(3):314–20

Diagnosis and treatment of malignant pleural effusion. Hausheer FH, et al. **Semin Oncol** 1985 Mar;12(1):54–75 (175 ref.)

Type 8 pneumococcal pneumonia: an outbreak on an oncology ward. Berk SL, et al. **South Med J** 1985 Feb;

78(2):159–61

Management of malignant ascites. Lacy JH, et al. **Surg Gynecol Obstet** 1984 Oct;159(4):397–412 (90 ref.)

Cancer development in patients progressing to dialysis and renal transplantation. Sheil AG, et al. **Transplant Proc** 1985 Apr;17(2):1685–8

Hypercalcemia in malignancies: treatment with dichloromethylene diphosphonate (Cl2MDP). Conte N, et al. **Tumori** 1985 Feb 28;71(1):51–4

Nutritional support of the cancer patient. Apelgren KN. **W Va Med J** 1985 Apr;81(4):73–5

Paraneoplastic syndromes of the nervous system. Palma G. **West J Med** 1985 Jun;142(6):787–96 (108 ref.)

Neurological paraneoplastic syndromes [editorial] Schneck SA. **West J Med** 1985 Jun;142(6):826–8

[Psychiatric disorders in hospitalized cancer patients––a study of 135 referrals with matched controls] Lee MB. **Taiwan I Hsueh Hui Tsa Chih** 1985 Mar;84(3):368–80 (Eng. Abstr.) **(Chi)**

[Anemia in chronic diseases. Brief review] Friedmann B, et al. **Bratisl Lek Listy** 1984 Dec;82(6):1460–5 (Eng. Abstr.) **(Cze)**

[Mechanisms of significance in the development of hypercalcemia in malignant disease] Kristensen B, et al. **Ugeskr Laeger** 1985 Mar 11;147(11):935–8 (Eng. Abstr.) **(Dan)**

[Treatment of malignant pleural exudates with talcum instillation and pleural drainage] Sørensen PG, et al. **Ugeskr Laeger** 1984 May 14;146(20):1485–7 (Eng. Abstr.) **(Dan)**

[The 'double J' endo-ureteral prosthesis. Experience apropos of 21 cases] Abourachid H, et al. **Ann Urol (Paris)** 1984 Jun–Jul;18(4):266–70 (Eng. Abstr.) **(Fre)**

[Cancerous pleuresies observed at the Ariana Institute from 1973 to 1979] Chabbou A, et al. **Tunis Med** 1983 May–Jun;61(3):179–82 (Eng. Abstr.) **(Fre)**

[Flupirtine in patients with cancer pain] Scheef W, et al. **Arzneimittelforsch** 1985;35(1):75–7 (Eng. Abstr.) **(Ger)**

[Fibrin pleurodesis in malignant pleural effusions] Kreuser ED, et al. **Dtsch Med Wochenschr** 1985 Sep 6;110(36):1365–8 (Eng. Abstr.) **(Ger)**

[Long-term therapy of cancer pain. A controlled study on buprenorphine] Zenz M, et al. **Dtsch Med Wochenschr** 1985 Mar 22;110(12):448–53 (Eng. Abstr.) **(Ger)**

[Blood hypereosinophilias. IV. Symptomatic hypereosinophilias: connective tissue diseases, neoplasms, blood diseases, various causes] Lovisetto P, et al. **Minerva Med** 1985 Jun 16;76(25):1181–98 (225 ref.) (Eng. Abstr.) **(Ita)**

[Anemia of cancer. Physiopathology of hematomorphological and hematochemical characteristics] Di Pietrantonj F, et al. **Recenti Prog Med** 1984 Nov;75(11):971–87 (Eng. Abstr.) **(Ita)**

[Empiric therapy with piperacillin plus amikacin for febrile patients with cancer––with emphasis on granulocytopenia] Sampi K, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1301–5 (Eng. Abstr.) **(Jpn)**

[The quantitative correlation between anemia and hypoproteinemia in malignant cancer] Sakoh T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Oct 20;19(9):2113–6 (Eng. Abstr.) **(Jpn)**

[Glomerular diseases associated with malignant tumors] Nishi T, et al. **Nippon Rinsho** 1984 Jun;42(6):1440–5 **(Jpn)**

[Serologic identification of Escherichia coli isolated from suppurative-septic complications in oncological patients] Erastova EI, et al. **Lab Delo** 1984;(9):559–62 (Eng. Abstr.) **(Rus)**

[Neurologic disorders in tumors of the sacrococcygeal region] Zatsepin ST, et al. **Ortop Travmatol Protez** 1984 Oct;(10):38–42 (Eng. Abstr.) **(Rus)**

[Thoracoscopy with drainage of the pleural cavity in the treatment of pleuritis in oncological patients] Trakhtenberg AKh, et al. **Sov Med** 1985;(1):71–5 **(Rus)**

[Analgesia in incurable cancer patients with persistent pain syndrome] Zhorov VI. **Sov Med** 1984;(11):105–8 **(Rus)**

[Hemostatic indices of oncological patients with different forms of jaundice] Boiadzhiian KhP. **Vopr Onkol** 1985;31(5):55–9 (Eng. Abstr.) **(Rus)**

[Genitourinary complications in oncology] Luzuriaga Graf J, et al. **Arch Esp Urol** 1985 Mar–Apr;38(2):149–58 (Eng. Abstr.) **(Spa)**

[Treatment of pain in cancer patients with intrathecal morphine] González-Navarro A, et al. **Med Clin (Barc)** 1985 Apr 6;84(13):520–3 (Eng. Abstr.) **(Spa)**

[Microangiopathic hemolytic anemia associated with cancer] Podzamczer Palter D, et al. **Med Clin (Barc)** 1985 Jan 12;84(1):30–4 **(Spa)**

[Acquired refractory anemia and neoplasms. Study of 11 cases] Sans-Sabrafen J, et al. **Med Clin (Barc)** 1984 Oct 27;83(12):489–91 (Eng. Abstr.) **(Spa)**

[Pleural effusion associated with a neoplasm. Review of 274 cases] Paricio Núñez P, et al. **Rev Clin Esp** 1984 Sep 30;174(6):223–6 (Eng. Abstr.) **(Spa)**

[Markers of hepatitis B virus in an oncology unit] Pedreira JD, et al. **Rev Clin Esp** 1985 Jun;177(1):18–9 (Eng. Abstr.) **(Spa)**

[Nutritional and prognostic factors in cancer patients] Bagattini Mari JC, et al. **Rev Gastroenterol Mex** 1984 Oct–Dec;49(4):227–34 (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital neoplasia––a stem cell pathology. Zajicek G. **Med Hypotheses** 1985 Mar;16(3):303–13

DIAGNOSIS

Limitations of aspiration cytology in the diagnosis of primary neoplasms [letter] **Acta Cytol (Baltimore)** 1985 May–Jun;29(3):487–92

Comparison between diagnoses in the Stockholm Regional Cancer Register and certified underlying causes of death. Mattsson B, et al. **Acta Radiol [Oncol]** 1985 May–Jun;24(3):219–26

Human cancer-associated antigens: present status and implications for immunodiagnosis. Sulitzeanu D. **Adv Cancer Res** 1985;44:1–42 (358 ref.)

Cytopathology and short-term culture of malignant tumours in Ibadan. Osunkoya BO. **Afr J Med Med Sci** 1985 Mar–Jun;14(1–2):75–81

Monoclonal antibodies to human intermediate filament proteins. III. Analysis of tumors. Gown AM, et al. **Am J Clin Pathol** 1985 Oct;84(4):413–24 (41 ref.)

Nuclear magnetic resonance evaluation of fifty children with cancer. Cohen MD, et al. **Ann Radiol (Paris)** 1985;28(3–4):339–43 **(Eng, Fre)**

Immunodiagnosis of human malignancy. Seigler HF. **Ann Surg** 1985 Apr;201(4):415–22

Formaldehyde-induced fluorescence in melanomas and other lesions. Diagnostic significance and mechanism of fluorescence. Dalal BI, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):551–4

Tumour markers. A clinical review. Sandeman TF, et al. **Aust Fam Physician** 1985 May;14(5):420–6

The fight against the delay in the diagnosis of cancer [editorial] Robinson E. **Biomed Pharmacother** 1984;38(7):321–2

Advances in the applications of monoclonal antibodies in clinical oncology. Abstracts. **Br J Cancer** 1984 Oct;50(4):549–69

Techniques for tumor localization. Lingren M. **Cancer** 1968 Oct;22(4):735–44

Enzymes, isozymes, and enzyme variants in the diagnosis of cancer. A short review. Stefanini M. **Cancer** 1985 May 1;55(9):1931–6 (43 ref.)

Critical comments on galactosyltransferase. Pohl AL. **Cancer Detect Prev** 1984;7(4):299–310

Application of immunohistochemical methods in the diagnosis of malignant disease. Imam A, et al. **Cancer Invest** 1985;3(4):339–59 (79 ref.)

Use of monoclonal antibodies to sialylated Lewisx and sialylated Lewisa for serological tests of cancer. Chia D, et al. **Cancer Res** 1985 Jan;45(1):435–7

Effect of human tumor antigens on the active E-rosette-forming test (ARFT): a new diagnostic method for cancer. Wang K. **Clin Immunol Immunopathol** 1984 Oct;33(1):1–12

Ectopic hormones as tumor markers. Borer WZ. **Clin Lab Med** 1984 Dec;4(4):775–86 (47 ref.)

Use of immunologic tumor markers in body fluid analysis. Kjeldsberg CR, et al. **Clin Lab Med** 1985 Jun;5(2):233–64 (85 ref.)

The value of angiotensin-I-converting enzyme determinations in malignant and other diseases. Schweisfurth H, et al. **Clin Physiol Biochem** 1985;3(4):184–92

Tumors of the diffuse endocrine system, histochemical and electron-optic aids, and pitfalls in diagnosis. Silva EG. **CRC Crit Rev Clin Lab Sci** 1984;21(1):19–49 (127 ref.)

Nuclear magnetic resonance: preclinical and clinical studies in tumor detection. Koutcher JA. **CRC Crit Rev Oncol Hematol** 1983;1(2):93–128 (86 ref.)

Combined measurement and significance of lipid-bound sialic acid and carcinoembryonic antigen in detection of human cancer. Munjal DD, et al. **Diagn Immunol** 1984;2(1):36–43

Immunologic diagnosis of cancer. Shuster J. **Eur J Cancer Clin Oncol** 1984 Dec;20(12):1459–62

Nuclear magnetic resonance (NMR) proton imaging in cancer. Smith FW. **Eur J Cancer Clin Oncol** 1985 Mar;21(3):379–87

Complementary roles of immunoscintigraphy and ultrasonography. Chatal JF, et al. **Eur J Nucl Med** 1985;10(9–10):464–6

Ultrasonic characterisation: prospects of tumour diagnosis. Thijssen JM. **Eur J Radiol** 1984 Nov;4(4):312–7

Fibronectin concentration in ascites differentiates between malignant and nonmalignant ascites. Schölmerich J, et al. **Gastroenterology** 1984 Nov;87(5):1160–4

The value of immunohistochemistry in increasing diagnostic precision of undifferentiated tumours by the surgical pathologist. Baumal R, et al. **Histochem J** 1984 Oct;16(10):1061–78

PGP 9.5, a new marker for human neuroendocrine tumours. Rode J, et al. **Histopathology** 1985 Feb;9(2):147–58

Differential diagnosis of undifferentiated malignant tumors with monoclonal antibody T29/33. Borowitz MJ, et al. **Hum Pathol** 1984 Oct;15(10):928–34

Epithelial membrane antigen––a diagnostic discriminant in surgical pathology: immunohistochemical profile in epithelial, mesenchymal, and hematopoietic neoplasms using paraffin sections and monoclonal antibodies. Pinkus GS, et al. **Hum Pathol** 1985 Sep;16(9):929–40

DNA hybridization in diagnostic pathology. Sklar J. **Hum Pathol** 1985 Jul;16(7):654–8

Physician attitudes toward early cancer detection. Havlicek PL, et al. **IMJ** 1984 Oct;166(4):285–9

An immunohistological method for estimating cell growth fractions in rapid histopathological diagnosis during surgery. Gerdes J. **Int J Cancer** 1985 Feb 15;35(2):169–71

Placental alkaline phosphatase in tumour tissue and serum. Mössner E, et al. **J Clin Chem Clin Biochem** 1984 Jul;22(7):467–71

Diagnostic sensitivity, diagnostic specificity and predictive value of the determination of tumour markers. Wagener C. **J Clin Chem Clin Biochem** 1984 Dec;22(12):969–79

The characteristics of blood-borne radiolabels and the effect of anti-mouse IgG antibodies on localization of radiolabeled monoclonal antibody in cancer patients. Pimm MV, et al. **J Nucl Med** 1985 Sep;26(9):1011–23

Cytochemical detection of cancer: a review. Bitensky L, et al. **J R Soc Med** 1984 Aug;77(8):677–81 (30 ref.)

Detection of monoclonal antibodies for tumor diagnosis with the use of inhibition of micro-enzyme-linked immunosorbent assay. Katz DV, et al. **JNCI** 1985 Feb;74(2):335–9

Classification of human epithelia and their neoplasms using monoclonal antibodies to keratins: strategies, applications, and limitations. Cooper D, et al. **Lab Invest** 1985 Mar;52(3):243–56 (152 ref.)

Epithelial membrane antigen and lymphoid cells [letter] **Lancet** 1985 Jan 12;1(8420):109–10

Human lymphoid cells express epithelial membrane antigen. Implications for diagnosis of human neoplasms. Delsol G, et al. **Lancet** 1984 Nov 17;2(8412):1124–9

Fibrionectin, a marker for malignant ascites [letter] Deverbizier G, et al. **Lancet** 1984 Nov 10;2(8411):1104

Clinical importance of analysing malignant tumours of uncertain origin with immunohistological techniques. Gatter KC, et al. **Lancet** 1985 Jun 8;1(8441):1302–5

Handling sera for tumour marker studies [letter] Mitchell H. **Lancet** 1984 Oct 13;2(8407):877

Hypercalcaemia of malignancy [letter] Ralston SH, et al. **Lancet** 1985 Apr 13;1(8433):878

Immuno-alkaline phosphatase labelling of haematological samples: technique and applications. Erber WN, et al. **Leuk Res** 1985;9(6):829–30

Characterization of proton NMR relaxation times in normal and pathological tissues by correlation with other tissue parameters. Cameron IL, et al. **Magn Reson Imaging** 1984;2(2):97–106

Significance of water proton spin-lattice relaxation times in normal and malignant tissues and their subcellular fractions––I. Shah SS, et al. **Magn Reson Imaging** 1982;1(2):91–104

Significance of water proton spin-lattice relaxation times in normal and malignant tissues and their subcellular fractions––II. Shah SS, et al. **Magn Reson Imaging** 1982;1(3):155–64

Assay for beta-glucuronidase in cerebrospinal fluid: usefulness for the detection of neoplastic meningitis. Tallman RD, et al. **Mayo Clin Proc** 1985 May;60(5):293–8

The cancer-related health check-up. A guide for medical practitioners. Fleming WB. **Med J Aust** 1985 Sep 16;143(6 Suppl):S33–40

CT-guided percutaneous biopsy. Lawler GA, et al. **Med J Aust** 1984 Dec 8–22;141(12–13):867–70

The incompetent diagnosis of cancer [editorial] Trinker F. **Med J Aust** 1984 Nov 10;141(10):626–7

Fluorometer for endoscopic diagnosis of tumors. Profio AE, et al. **Med Phys** 1984 Jul–Aug;11(4):516–20

MIRACLE: a time-oriented data validation and analysis system for clinical research. Sinn HP, et al. **Methods Inf Med** 1984 Jul;23(3):139–42

Modified nucleosides and early detection of occupational cancer: a challenge for the future. Fischbein A, et al. **Mt Sinai J Med (NY)** 1985 Jun;52(6):480–3

In-vivo detection of tumours and metastases with (monoclonal) antibodies. Haisma H. **Neth J Med** 1985;28(3):108–11

The natural history of lumbosacral plexopathy in cancer. Jaeckle KA, et al. **Neurology** 1985 Jan;35(1):8–15

Symposium on infections in the compromised host. The acquired immunodeficiency syndrome. LaCamera DJ, et al. **Nurs Clin North Am** 1985 Mar;20(1):241–56 (54 ref.)

Pitfalls in diagnosing benign soft tissue tumors in infancy and childhood. Chung EB. **Pathol Annu** 1985;20 Pt 2:323–86 (84 ref.)

The use of iron and gadolinium chelates as NMR contrast agents: animal and human studies. Carr DH. **Physiol Chem Phys Med NMR** 1984;16(2):137–44

Improved discrimination of normal and malignant tissue using 1H NMR relaxation time measurements at 2.18 MHz. Martino AF, et al. **Physiol Chem Phys Med NMR** 1984;16(1):49–55

Monoclonal antibodies. Their promise for tumor diagnosis, staging, and therapy. Rosen ST, et al. **Postgrad Med** 1985 Mar;77(4):129–32, 134

A new diagnostic system for malignant tumors using hematoporphyrin derivative, laser photoradiation and a spectroscope. Aizawa K, et al. **Prog Clin Biol Res** 1984;170:227–38

Tumor immunolocalization using monoclonal antibodies which bind placental alkaline phosphatase. Jemmerson R, et al. **Prog Clin Biol Res** 1984;166:245–56

Identification of prostate and other cancers by two-dimensional protein electrophoresis. Anderson KM. **Prostate** 1985;6(1):101–16

Diagnostic potential for human malignancies of bacterially produced HTLV-I envelope protein. Samuel KP, et al. **Science** 1984 Nov 30;226(4678):1094-7

Nuclear magnetic resonance in oncology. Turner DA. **Semin Nucl Med** 1985 Apr;15(2):210-23 (79 ref.)

Anti-intermediate filament monoclonal antibodies: tissue-specific tools in tumor diagnosis. Gown AM, et al. **Surv Synth Pathol Res** 1984;3(5):369-85

Pathologist's responsibility in the diagnosis of oncogenesis. Iatropoulos MJ. **Toxicol Pathol** 1983;11(2):132-42

The Gordon Wilson lecture. Monoclonal antibodies in human cancer. Koprowski H. **Trans Am Clin Climatol Assoc** 1984; 96:81-97

Diagnostic value of carcinoembryonic antigen (CEA) assay in pleural effusions. Pierucci G, et al. **Tumori** 1984 Oct 31;70(5):421-5

Toward a universal tumour marker. Borek E. **Tumour Biol** 1984;5(1):1-14

Antibodies to intermediate filament proteins in the diagnosis and classification of human tumors. Miettinen M, et al. **Ultrastruct Pathol** 1984;7(2-3):83-107 (207 ref.)

[Clinical significance of polarizing luminescence in the study of changes in the cytoplasm of lymphocytes--SCM test] Beneš J. **Sb Lek** 1984 Sep;86(8-9):245-50 (Eng. Abstr.) **(Cze)**

[The present status and perspectives in the diagnosis of tumors using microwaves] Bouček J, et al. **Sb Lek** 1985 May;87(5):138-43 (Eng. Abstr.) **(Cze)**

[Role of isoenzymes among tumoral markers] Assicot M, et al. **Ann Biol Clin (Paris)** 1984;42(5):329-35 (32 ref.) **(Fre)**

[Definition of a tumor marker. Discussion of its value and applications, illustrating with examples drawn from human pathology, in the diagnostic and prognostic approach to a tumor] Fouret P. **Arch Anat Cytol Pathol** 1985;33(2):112-5 **(Fre)**

[Demonstration of IgG- and IgA-antibodies against Epstein-Barr virus-associated antigens with a microtiter enzyme immunoassay system. The determination of serum antibodies against the viral capsid antigen and the early antigen complex in the sera of tumor and infectious mononucleosis patients] Dölken G, et al. **Dtsch Med Wochenschr** 1984 Nov 30;109(48):1837-43 (Eng. Abstr.) **(Ger)**

[Tumor serodiagnosis with monoclonal antibodies] Luckenbach GA. **Wien Klin Wochenschr** 1985 Mar 1; 97(5):253-4 (Eng. Abstr.) **(Ger)**

[Clinically unsuspected notifiable tumors in selected autopsy material] Varwerk T, et al. **Zentralbl Allg Pathol** 1984; 129(6):507-12 (Eng. Abstr.) **(Ger)**

[Association of serum tumor markers in solid neoplasms (CEA, ferritin, alpha 1-antitrypsin, parathormone and calcitonin)] Di Martino G, et al. **Boll Ist Sieroter Milan** 1982;61(5):411-22 (Eng. Abstr.) **(Ita)**

[Tumor markers. Current use in antineoplastic strategy] Manguso L, et al. **Clin Ter** 1984 Aug 15;110(3):231-41 (49 ref.) (Eng. Abstr.) **(Ita)**

[Primary tumors of the thoracic wall in children. Description of 8 cases] Castello MA, et al. **Minerva Pediatr** 1984 Nov 15;36(21):1075-82 (Eng. Abstr.) **(Ita)**

[Symposium: Prospectives in diagnosis by imaging] **Radiol Med (Torino)** 1984 Apr;70(4 Suppl 1):153-99 **(Ita)**

[ESR (electron spin resonance) analysis of cancer patient lymphocytes stained with hematoporphyrin D] Itabashi M, et al. **Gan No Rinsho** 1984 Aug;30(10):1293-8 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical evaluation of CEA kit (CEA . RIABEAD)] Kuwabara Y, et al. **Kaku Igaku** 1984 Nov; 21(11):1513-9 **(Jpn)**

[Clinical significance of beta 2-microglobulin in serum and cerebrospinal fluid (CSF) in childhood] Yano M, et al. **Kaku Igaku** 1984 Jun;21(6):705-12 (Eng. Abstr.) **(Jpn)**

[Automated cytodiagnosis--present status and trends] Takahashi M, et al. **Nippon Rinsho** 1985 Mar;43(3):640-54 (32 ref.) **(Jpn)**

[Experimental and clinical studies on a TPA kit, Prolifigen] Ayabe Z, et al. **Radioisotopes** 1985 Apr;34(4):230-3 **(Jpn)**

[Tumor markers and radioimmunoassay] Ishii M. **Radioisotopes** 1984 Oct;33(10):725-35 (19 ref.) **(Jpn)**

[Sialic acid in malignancy] Araki E. **Rinsho Byori** 1985 Jan; 33(1):19-26 (34 ref.) **(Jpn)**

[Ultrasound examination] Itoh K. **Rinsho Byori** 1985 Jan; 33(1):3-10 (13 ref.) **(Jpn)**

[Urinary polyamine analysis and its clinical significance. II. Analysis by the enzymatic assay method and its clinical application. E. Polyamine in the field of pediatrics] Iwasaki Y, et al. **Rinsho Byori** 1984 Jul;Spec No 59:89-96 **(Jpn)**

[Urinary polyamine analysis and its clinical significance. III. Chemiluminescence method for the assay of urinary polyamines and its clinical application] Kamei S, et al. **Rinsho Byori** 1984 Jul;Spec No 59:142-50 **(Jpn)**

[An approach of immunology. Malignancy and M-protein] Kawano K. **Rinsho Byori** 1984 Aug;32(8):821-7 **(Jpn)**

[Urinary polyamine analysis and its clinical significance. I. Analysis by HPLC and its clinical application. C. Urinary polyamine in pediatric patients with malignant tumors and its clinical significance] Kubo M, et al. **Rinsho Byori** 1984 Jul;Spec No 59:50-63 **(Jpn)**

[Urinary polyamine analysis and its clinical significance. II. Analysis by the enzymatic assay method and its clinical application A. Urinary polyamines in patients with various tumors] Kubota S, et al. **Rinsho Byori** 1984 Jul;Spec No 59:64-8 **(Jpn)**

[Urinary polyamine analysis and its clinical significance. II. Analysis by the enzymatic assay method and its clinical application. H. Enzymatic assay methods and their clinical application] Matsumoto T, et al. **Rinsho Byori** 1984 Jul; Spec No 59:114-22 (25 ref.) **(Jpn)**

[Polyamine analysis of blood, tissue and gastric juice and its clinical significance. II. Analysis of tissue polyamines and their derivatives and their significance] Matsuzaki S, et al. **Rinsho Byori** 1984 Jul;Spec No 59:167-75 (49 ref.) **(Jpn)**

[Clinical use of serum acid-soluble proteins] Ohshima I. **Rinsho Byori** 1984 Jun;32(6):584-9 **(Jpn)**

[Urinary polyamine analysis and its clinical significance. II. Analysis by the enzymatic assay method and its clinical application. F. CRP and polyamines] Okabe Y, et al. **Rinsho Byori** 1984 Jul;Spec No 59:97-104 **(Jpn)**

[Normal values for sulfosalicylate-soluble mucoprotein of the urine and its clinical significance] Shiba KS, et al. **Rinsho Byori** 1984 Dec;32(12):1372-8 **(Jpn)**

[Urinary polyamine analysis and its clinical significance. I. Analysis by HPLC and its clinical application. A. Urinary acetylpolyamine in patients with malignant tumors] Shinpo K, et al. **Rinsho Byori** 1984 Jul;Spec No 59:29-37 **(Jpn)**

[Polyamine analysis of blood, tissue and gastric juice and its clinical significance. I. Blood polyamine analysis and its significance. B. Erythrocyte polyamine analysis method and its clinical application] Shinpo K, et al. **Rinsho Byori** 1984 Jul;Spec No 59:157-66 **(Jpn)**

[Polyamine analysis of blood, tissue and gastric juice and its clinical significance. I. Blood polyamine analysis and its significance. A. Erythrocyte polyamine values in surgical patients with cancer] Takami H. **Rinsho Byori** 1984 Jul;Spec No 59:151-6 **(Jpn)**

[A rapid method for determining urinary indoleacetic acid concentration and its clinical significance as the tumor-marker in the diagnosis of malignant diseases] Kobori K, et al. **Sangyo Ika Daigaku Zasshi** 1983 Jun 1; 5(2):213-20 (Eng. Abstr.) **(Jpn)**

[Possibilities for emergency intraoperative cytological diagnosis in cancer patients] Sil'chenko SA. **Klin Khir** 1985 May;(5):20-2 (Eng. Abstr.) **(Rus)**

[Analysis of physicians' errors in the practice of oncology] Gritsman IuIa, et al. **Klin Med (Mosk)** 1984 Jul;62(7):82-5 **(Rus)**

[Monoclonal antibodies in the radionuclide diagnosis and therapy of tumors] Anokhin IuN, et al. **Med Radiol (Mosk)** 1985 Jun;30(6):72-8 (64 ref.) **(Rus)**

[Microanalysis in oncological diagnosis] Tkacheva GA. **Med Radiol (Mosk)** 1984 Nov;29(11):6-9 (Eng. Abstr.) **(Rus)**

[Monoclonal antibodies in the radioimmunolocalization of tumors] Tkacheva GA. **Med Radiol (Mosk)** 1984 Nov; 29(11):67-71 (38 ref.) **(Rus)**

[Analysis of hexokinase isoenzymes in the differential diagnosis of malignant and benign tumors] Bassalyk LS, et al. **Vestn Akad Med Nauk SSSR** 1984;(8):82-4 (Eng. Abstr.) **(Rus)**

[Laparoscopy in oncological practice] Guliaev AV, et al. **Vopr Onkol** 1985;31(6):96-9 (Eng. Abstr.) **(Rus)**

[NMR-tomography in the diagnosis of tumors] Kossovoĭ AL. **Vopr Onkol** 1984;30(10):3-9 (64 ref.) **(Rus)**

[Differential diagnosis of enlarged lymph glands in children] Vuković I. **Srp Arh Celok Lek** 1984 Oct;112(10):1103-6 **(Scc)**

[Tumor markers in cancer of the thyroid (letter)] Pumarino H, et al. **Rev Med Chil** 1984 Jul;112(7):711-2 **(Spa)**

DIET THERAPY

Supportive care for children with cancer. Guidelines of the Childrens Cancer Study Group. The use of nutritional therapy. Lukens JN. **Am J Pediatr Hematol Oncol** 1984 Fall;6(3):261-5 (31 ref.)

Nutritional therapy in advanced cancer. Setting realistic goals. Falke RM. **Postgrad Med** 1985 Jul;78(1):83-90

DRUG THERAPY

The mechanism of action of mAMSA. Marshall B, et al. **Adv Cancer Res** 1985;44:267-93 (155 ref.)

Phase I study of mitoxantrone on a daily X 5 schedule. Goldsmith MA, et al. **Am J Clin Oncol** 1984 Oct; 7(5):567-70

Protracted vinblastine infusion. Phase I-II study in malignant melanoma and other tumors. Lokich JJ, et al. **Am J Clin Oncol** 1984 Oct;7(5):551-3

Anti-tumor chemotherapy: MCV and RDW [letter] Bessman JD. **Am J Clin Pathol** 1985 Jun;83(6):778

Laser therapy--things to come: multiple spectra and photodynamic therapy. Wood JW. **Am J Gastroenterol** 1985 Sep;80(9):732-3

Implementing clinical pharmacy services in an outpatient oncology clinic. Caselnova DA 3d, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1348-52

Learned food aversions in the progression of cancer and its treatment. Bernstein IL. **Ann NY Acad Sci** 1985;443:365-80

Methodological aspects of the 6-day subrenal capsule assay for measuring the response of human tumors to anticancer agents. Aamdal S, et al. **Anticancer Res** 1985 Jul-Aug; 5(4):329-37

Phase I-II trial of a 5-day continuous infusion of vinblastine sulfate. Zeffren J, et al. **Anticancer Res** 1984 Nov-Dec; 4(6):411-3

The importance of high-tone audiometry in monitoring for ototoxicity. Tange RA, et al. **Arch Otorhinolaryngol** 1985; 242(1):77-81

Early experience with an implantable reservoir for intravenous chemotherapy. McIntyre KE Jr, et al. **Ariz Med** 1985 May;42(5):308-11

Interferons in oncology. Salmon SE. **Ariz Med** 1985 Mar; 42(3):160-2

Preclinical evaluation of diethoxy-(1-phenyl-1,3-butanedionato) titanium (IV) in human tumour xenografts. Mattern J, et al. **Arzneimittelforsch** 1984;34(10):1289-90

Practical applications of the SCE studies for guiding and improving chemotherapy. Kourakis A, et al. **Basic Life Sci** 1984;29 Pt B:907-14

Selenium in carcinogenesis. Vernie LN. **Biochim Biophys Acta** 1984;738(4):203-17 (160 ref.)

Experimental and clinical studies on aclarubicin in the treatment of solid tumors. Kumai K, et al. **Biomed Pharmacother** 1984;38(7):332-7

On chemotherapy, pain and cancer [editorial] Lozada-Román JA. **Bol Asoc Med PR** 1985 Mar;77(3):91-2

Strategies to identify or prevent drug resistance in cancer. A panel discussion. McGuire WL, et al. **Breast Cancer Res Treat** 1985;5(3):257-68

Simplified insertion of the Port-A-Cath implantable drug-delivery system. Del Campo C. **Can J Surg** 1985 Sep; 28(5):435-6

Drug management of cancer pain [letter] Moulin DE, et al. **Can Med Assoc J** 1985 Sep 15;133(6):546-7

Drug management of pain in cancer patients. Tuttle CB. **Can Med Assoc J** 1985 Jan 15;132(2):121-34 (136 ref.)

Human tumor stem cell assay. A prospective clinical trial. Alonso K. **Cancer** 1984 Dec 1;54(11):2475-9

A phase I trial of dactinomycin intravenous infusion in patients with advanced malignancies. Blumenreich MS, et al. **Cancer** 1985 Jul 15;56(2):256-8

High-dose cisplatin in patients with advanced malignancies. Blumenreich MS, et al. **Cancer** 1985 Mar 1;55(5):1118-22

Cancer chemotherapy. Progress and expectations, 1984. Chabner BA, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2599-608

Critical evaluation of the role of nutritional support with chemotherapy. Chlebowski RT. **Cancer** 1985 Jan 1;55(1 Suppl):268-72 (63 ref.)

Control of cancer chemotherapy-induced nausea and vomiting. Eyre HJ, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2642-8

Syndrome of inappropriate antidiuretic hormone secretion. A complication of high-dose intravenous melphalan. Greenbaum-Lefkoe B, et al. **Cancer** 1985 Jan 1;55(1):44-6

A totally implanted venous access system for the delivery of chemotherapy. Khoury MD, et al. **Cancer** 1985 Sep 1; 56(5):1231-4

Surgical implications for infusion chemotherapy. Mentzer S, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2618-26

Granulocytopenia and cancer therapy. Past problems, current solutions, future challenges. Pizzo PA. **Cancer** 1984 Dec 1;54(11 Suppl):2649-61

Fundamental studies with cisplatin. Rosenberg B. **Cancer** 1985 May 15;55(10):2303-16 (85 ref.)

Evolution and clinical application of a rapid chemosensitivity assay. Sondak VK, et al. **Cancer** 1985 Mar 15;55(6):1367-71

Tumour cell resistance to anthracyclines--a review. Kaye S, et al. **Cancer Chemother Pharmacol** 1985;14(2):96-103 (64 ref.)

Effectiveness of P-aminobenzoyl-O-phenylenediamine (Goe 1734) against mouse, rat, and human tumour cells. Lelieveld P, et al. **Cancer Chemother Pharmacol** 1985;15(1):88-90

Studies on the mechanism of cytotoxicity of 3-deazaguanosine in human cancer cells. Page T, et al. **Cancer Chemother Pharmacol** 1985;15(1):59-62

Phase I study of the cisplatin analogue 1,1-diamminomethylcyclohexane sulfatoplatinum (TNO-6) (NSC 311056). Sørensen JB, et al. **Cancer Chemother Pharmacol** 1985;15(2):97-100

Phase-I study of intravenous modified lipid A. Vosika GJ, et al. **Cancer Immunol Immunother** 1984;18(2):107-12

Phase I study of elliptinium (2-N-methyl-9-hydroxyellipticinium). Einzig AI, et al. **Cancer Invest** 1985;3(3):235-41

Design of phase I and II clinical trials in cancer: a statistician's view. Geller NL. **Cancer Invest** 1934;2(6):483-91

Current attitudes of oncologists regarding hormonal mineral and nutritional support during cancer chemotherapy. Greenspan EM. **Cancer Invest** 1985;3(1):101-3

Some aspects of size-dependent differential drug response in primary and metastatic tumors. Abe I, et al. **Cancer Metastasis Rev** 1985;4(1):27-39 (148 ref.)

Pediatric phase I trial and pharmacokinetic study of tiazofurin (NSC 286193). Balis FM, et al. **Cancer Res** 1985 Oct; 45(10).5169-72

Sequential infusions of methotrexate and 5-fluorouracil in advanced cancer: pharmacology, toxicity, and response. Benz C, et al. **Cancer Res** 1985 Jul;45(7):3354-8

Cytotoxicity of the alkyl-linked lipoidal amine 4-aminomethyl-1-[2,3-(di-n-decyloxy)-n-propyl]-4-phen (CP-46,665) in cells from human tumors and leukemias. Berdel WE, et al. **Cancer Res** 1985 Mar;45(3):1206-13

Staphylococcal Protein A column: correlation of mitogenicity of perfused plasma with clinical response. Bertram JH, et al. **Cancer Res** 1985 Sep;45(9):4486-94

Phase I study and pharmacokinetics of weekly high-dose 13-cis-retinoic acid. Clamon G, et al. **Cancer Res** 1985 Apr; 45(4):1874-8

A phase I and pharmacokinetic study of dihydro-5-azacytidine (NSC 264880). Curt GA, et al. **Cancer Res** 1985 Jul;45(7):3359-63

Phase I study of hepatic arterial degradable starch microspheres and mitomycin. Ensminger WD, et al. **Cancer Res** 1985 Sep;45(9):4464-7

Layer on layer: the Bruce F. Cain memorial Award lecture. Hitchings GH, et al. **Cancer Res** 1985 Jun;45(6):2415-20

Phase I evaluation and pharmacokinetics of tiazofurin (2-beta-D-ribofuranosylthiazole-4-carboxamide, NSC 286193). Melink TJ, et al. **Cancer Res** 1985 Jun; 45(6):2859-65

Oxygen dependence of the photosensitizing effect of hematoporphyrin derivative in NHIK 3025 cells. Moan J, et al. **Cancer Res** 1985 Apr;45(4):1608-10

Chemosensitization of cultured human carcinoma cells to 1,3-bis(2-chloroethyl)-1-nitrosourea by difluoromethylornithine-induced polyamine depletion. Seidenfeld J, et al. **Cancer Res** 1985 May;45(5):2132-8

Continuous infusion of high-dose 1-beta-D-arabinofuranosylcytosine: a phase I and pharmacological study. Spriggs DR, et al. **Cancer Res** 1985 Aug;45(8):3932-6

Phase I and clinical pharmacological evaluation of 4'-deoxydoxorubicin in patients with advanced cancer. Stanton GF, et al. **Cancer Res** 1985 Apr;45(4):1862-8

Phase I clinical study with pharmacokinetic analysis of 2-beta-D-ribofuranosylthiazole-4-carboxamide (NSC 286193) administered as a five-day infusion. Trump DL, et al. **Cancer Res** 1985 Jun;45(6):2853-8

Cytotoxic effect of anti-Mr 67,000 protein immunotoxins on human tumors in a nude mouse model. Weil-Hillman G, et al. **Cancer Res** 1985 Mar;45(3):1328-36

Phase I and clinical pharmacological study of mercaptopurine administered as a prolonged intravenous infusion. Zimm S, et al. **Cancer Res** 1985 Apr;45(4):1869-73

Phase I study of high-dose cytarabine and cisplatin in patients with advanced malignancy. Atkins JN, et al. **Cancer Treat Rep** 1985 Jul-Aug;69(7-8):897-9

Phase I study of vinblastine and verapamil given by concurrent iv infusion. Benson AB 3d, et al. **Cancer Treat Rep** 1985 Jul-Aug;69(7-8):795-9

Action of oral methylprednisolone in terminal cancer patients: a prospective randomized double-blind study. Bruera E, et al. **Cancer Treat Rep** 1985 Jul-Aug; 69(7-8):751-4

Long-term, ambulatory, continuous IV infusion of 5-FU for the treatment of advanced adenocarcinomas. Caballero GA, et al. **Cancer Treat Rep** 1985 Jan;69(1):13-5

Pediatric oncology group phase II trial of amsacrine in children with solid tumors. Civin CI, et al. **Cancer Treat Rep** 1985 Mar;69(3):335-6

Phase I study of N-methylformamide in patients with advanced cancer. Ettinger DS, et al. **Cancer Treat Rep** 1985 May;69(5):489-93

Phase I clinical evaluation of diaziquone in childhood cancer. Ettinger LJ, et al. **Cancer Treat Rep** 1985 Mar;69(3):323-7

Phase I trial of 1-(2'-deoxy-2'-fluoro-1-beta-D-arabinofuranosyl)-5-met (FMAU). Fanucchi MP, et al. **Cancer Treat Rep** 1985 Jan; 69(1):55-9

Antitumor activity of a benzaldehyde derivative. Kochi M, et al. **Cancer Treat Rep** 1985 May;69(5):533-7

Phase I clinical investigation of homoharringtonine. Legha SS, et al. **Cancer Treat Rep** 1984 Sep;68(9):1085-91

Application of biochemical modulation with a therapeutically inactive modulating agent in clinical trials of cancer chemotherapy. Martin DS, et al. **Cancer Treat Rep** 1985 Apr;69(4):421-3 (34 ref.)

Susceptibility to motion sickness and the development of anticipatory nausea and vomiting in cancer patients undergoing chemotherapy. Morrow GR. **Cancer Treat Rep** 1984 Sep;68(9):1177-8

Phase I trial of teroxirone. Neidhart JA, et al. **Cancer Treat Rep** 1984 Sep;68(9):1115-9

Phase I clinical trial of mitozolomide. Newlands ES, et al. **Cancer Treat Rep** 1985 Jul-Aug;69(7-8):801-5

Teniposide: a review of 12 years of experience. O'Dwyer PJ, et al. **Cancer Treat Rep** 1984 Dec;68(12):1455-66 (98 ref.)

Phase I study of the combination of iv mitomycin and oral metronidazole. Pfeffer MR, et al. **Cancer Treat Rep** 1984 Sep;68(9):1191-2

Immediate termination of intractable vomiting induced by cisplatin combination chemotherapy using an intensive five-drug antiemetic regimen. Plezia PM, et al. **Cancer Treat Rep** 1984 Dec;68(12):1493-5

High-dose etoposide for refractory malignancies: a phase I study. Postmus PE, et al. **Cancer Treat Rep** 1984 Dec; 68(12):1471-4

Phase I clinical evaluation of cytarabine and cisplatin in patients with advanced cancer. Schilsky RL, et al. **Cancer Treat Rep** 1984 Sep;68(9):1097-102

Bioavailability, pharmacokinetics, and clinical effects of an oral preparation of etoposide. Stewart DJ, et al. **Cancer Treat Rep** 1985 Mar;69(3):269-73

Phase I clinical and pharmacologic trial of carboplatin daily for 5 days. Van Echo DA, et al. **Cancer Treat Rep** 1984 Sep;68(9):1103-14

Phase I study of divided-dose vinblastine in advanced malignancy. Young JA, et al. **Cancer Treat Rep** 1985 Jun; 69(6):607-10

Ifosfamide--pharmacology, safety and therapeutic potential. Brade WP, et al. **Cancer Treat Rev** 1985 Mar;12(1):1-47 (243 ref.)

Vitamin K in the treatment of cancer. Chlebowski RT, et al. **Cancer Treat Rev** 1985 Mar;12(1):49-63 (128 ref.)

Malignancies induced by chlorambucil. Palmer RG, et al. **Cancer Treat Rev** 1984 Jun;11(2):121-9 (69 ref.)

Incidence, previous treatment and chromosome characteristics of secondary acute non-lymphocytic leukemia. Pedersen-Bjergaard J. **Cancer Treat Rev** 1985 Mar;12(1):65-75 (66 ref.)

Aminoglutethimide as an aromatase inhibitor in the treatment of cancer. Santen RJ. **Cancer Treat Rev** 1984 Dec; 11(4):325-9

Krestin (PSK). Tsukagoshi S, et al. **Cancer Treat Rev** 1984 Jun;11(2):131-55 (132 ref.)

ACTH and cortisol plasma levels in cancer patients treated with medroxyprogesterone acetate at high dosages. Papaleo C, et al. **Chemioterapia** 1984 Aug;3(4):220-2

Photodynamic therapy. Dougherty TJ. **Clin Chest Med** 1985 Jun;6(2):219-36 (84 ref.)

Photodynamic therapy (PDT) of malignant tumors. Dougherty TJ. **CRC Crit Rev Oncol Hematol** 1984; 2(2):83-116 (100 ref.)

Counseling the oncology patient. Du Vall E, et al. **Drug Intell Clin Pharm** 1984 Sep;18(9):743-4

Emesis due to cancer chemotherapy: results of a prospective, randomised, double-blind trial of varying doses of metoclopramide in the management of cis-platinum-induced vomiting. Allan SG, et al. **Eur J Cancer Clin Oncol** 1984 Dec;20(12):1481-4

An EORTC phase II study of mitoxantrone in solid tumors and lymphomas. De Jager R, et al. **Eur J Cancer Clin Oncol** 1984 Nov;20(11):1369-75

Phase I trial of 1,2,4-triglycidylurazol (TGU, NSC 332488): a new triepoxide cytostatic agent. Hansen SW, et al. **Eur J Cancer Clin Oncol** 1985 Mar;21(3):301-5

Amitriptyline plus fluphenazine to prevent chemotherapy-induced emesis in cancer patients: a double-blind randomized cross-over study. Mellink WA, et al. **Eur J Cancer Clin Oncol** 1984 Sep;20(9):1147-50

Perspectives for the use of high-dose chemotherapy in the treatment of solid malignant tumors. Sculier JP, et al. **Eur J Cancer Clin Oncol** 1984 Nov;20(11):1335-7

m-AMSA: a review of clinical data. Zittoun R. **Eur J Cancer Clin Oncol** 1985 Jun;21(6):649-53 (37 ref.)

Is chemosensitivity testing for peri-operative treatment planning in gastro-intestinal cancer by the human tumour colony assay worthwhile? Flentje D, et al. **Eur J Surg Oncol** 1985 Sep;11(3):227-33

Vascular access for intravenous chemotherapy: totally implanted systems. Meurette J, et al. **Eur J Surg Oncol** 1985 Sep;11(3):295-8

Optimal prescription method for cancer chemotherapy. Vriesendorp HM. **Exp Hematol** 1985;13 Suppl 16:57-63

Phase I and II studies of cytostatic hexitol derivatives: the role of alkylating metabolites? Eckhardt S, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):783-8

Antiemetics in cancer chemotherapy. Higi M. **Hamatol Bluttransfus** 1985;29:143-4

The natural killer cell-interferon system in human carcinoma--its relation to interferon cancer treatment trials. Ching NP, et al. **Hawaii Med J** 1984 Oct; 43(10):368-72

Human tumor stem-cell clonogenic assay--another failed cancer fad? Hall TC. **Hawaii Med J** 1984 Oct;43(10):374-8

Personality factors associated with anticipatory nausea/vomiting in patients receiving cancer chemotherapy. van Komen RW, et al. **Health Psychol** 1985; 4(3):189-202

Administering cancer treatment: the role of the oncology nurse. Hubbard SM, et al. **Hosp Pract [Off]** 1985 Jul 15; 20(7):167-74

Potential application of perfluorochemicals in cancer therapy. Yuhas JM, et al. **Int Anesthesiol Clin** 1985 Spring; 23(1):199-209

Cross-over study of pharmacokinetics and haematological toxicity of 4'-epi-doxorubicin and doxorubicin in cancer patients. Martini A, et al. **Int J Clin Pharmacol Res** 1984; 4(3):231-8

Nitrogen mustard: the origin of chemotherapy for cancer. Einhorn J. **Int J Radiat Oncol Biol Phys** 1985 Jul; 11(7):1375-8

Drug testing using a soft agar stem cell assay on patient and xenograft tumor material. Hanson J, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1697-701

A phase I study of the combination of benznidazole and CCNU in man. Roberts JT, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1745-8

Modification of chemotherapy by nitroimidazoles. Siemann DW. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1585-94 (63 ref.)

Drugs in the management of malignant disease. Gilby E. **Int Rehabil Med** 1985;7(1):41-2

Papers presented at a symposium on cancer chemotherapy in the 1980's. Monte Carlo, 11th-12th October, 1984. **Invest New Drugs** 1985;3(2):79-222

Phase I evaluation of chlorozotocin (NSC-178248): weekly schedule. Moriconi WJ, et al. **Invest New Drugs** 1985; 3(1):57-62

Phase I trial of 4'-deoxydoxorubicin given weekly. Sessa C, et al. **Invest New Drugs** 1984;2(4):369-73

Advantages of integrated trials for performing multiple Phase II studies. Weiss GB, et al. **Invest New Drugs** 1984; 2(4):409-14

Combined use of tricyclic antidepressants and neuroleptics in the management of terminally ill children: a report on three cases. Maisami M, et al. **J Am Acad Child Psychiatry** 1985 Jul;24(4):487-9

Infection in the patient receiving chemotherapy for cancer: oral considerations. McElroy TH. **J Am Dent Assoc** 1984 Sep;109(3):454-6

A phase I clinical tolerance study of polyadenylic-polyuridylic acid in cancer patients. Ducret JP, et al. **J Biol Response Mod** 1985 Apr;4(2):129-33

The cure for cancer [editorial] Oldham RK. **J Biol Response Mod** 1985 Apr;4(2):111-6

14th annual UCLA symposia. Monoclonal antibodies and cancer therapy. January 26-February 2, 1985. Abstracts. **J Cell Biochem [Suppl]** 1985;9A:33-74

Outcomes and complications of continuous intraspinal narcotic analgesia for cancer pain control. Coombs DW, et al. **J Clin Oncol** 1984 Dec;2(12):1414-20

Phase I trial of misonidazole (NSC261037) plus cyclophosphamide in solid tumors. Davila E, et al. **J Clin Oncol** 1985 Jan;3(1):121-7

Mitomycin: ten years after approval for marketing. Doll DC, et al. **J Clin Oncol** 1985 Feb;3(2):276-86

Amsacrine (AMSA)--a clinical review. Louie AC, et al. **J Clin Oncol** 1985 Apr;3(4):562-92 (146 ref.)

Phase I trial of N-methylformamide (NMF, NSC 3051). O'Dwyer PJ, et al. **J Clin Oncol** 1985 Jun;3(6):853-7

High-dose cisplatin with sodium thiosulfate protection. Pfeifle CE, et al. **J Clin Oncol** 1985 Feb;3(2):237-44

Lack of antiemetic effect of high-dose metoclopramide. Roemeling RV, et al. **J Clin Oncol** 1985 Sep;3(9):1273-6

Development of anticipatory nausea: a prospective analysis. Andrykowski MA, et al. **J Consult Clin Psychol** 1985 Aug; 53(4):447-54

Appropriateness of taped versus live relaxation in the systematic desensitization of anticipatory nausea and vomiting in cancer patients. Morrow GR. **J Consult Clin Psychol** 1984 Dec;52(6):1098-9

Antiproliferative effect of natural beta interferon on fresh tumor cells analyzed in a clonogenic assay. Strayer DR, et al. **J Interferon Res** 1984 Fall;4(4):627-33

Correlation between plasma carcinoembryonic antigen (CEA) and sialyltransferase as tumor marker. Dwivedi C, et al. **J Med** 1984;15(5-6):379-84

Oral estramustine phosphate (Estracyt): a broad phase II study. Halpern J, et al. **J Med** 1984;15(1):35-43

N-(Aminoalkyl)imide antineoplastic agents. Synthesis and biological activity. Zee-Cheng RK, et al. **J Med Chem** 1985 Sep;28(9):1216-22

Cancer chemotherapy: past, present, and future--Part II. Wright JC. **J Natl Med Assoc** 1984 Sep;76(9):865-76

Reporting results from chemotherapy trials [letter] **JAMA** 1985 Apr 26;253(16):2363-4

Reporting results from chemotherapy trials. Does response make a difference in patient survival? Oye RK, et al. **JAMA** 1984 Nov 16;252(19):2722-5

Cancer help in Bristol [letter] Forbes A. **Lancet** 1984 Oct 6;2(8406):810

Liminal therapy: a strategy for the complete and selective destruction of malignant tissue in situ. Jones GR, et al. **Med Hypotheses** 1984 Dec;15(4):349-59

Cancer chemotherapy. **Med Lett Drugs Ther** 1985 Feb 15; 27(681):13-20

Current status and new vistas in combination chemotherapy. Frei E 3d. **Mt Sinai J Med (NY)** 1985 Jun;52(6):460-4

High-dose combination chemotherapy: why, how, and when. Israël L. **Mt Sinai J Med (NY)** 1985 Jun;52(6):447-51

Safer cancer chemotherapy using a kinetically based experimental approach. Price LA, et al. **Mt Sinai J Med (NY)** 1985 Jun;52(6):452-9

Vitamin C and cancer [editorial] Wittes RE. **N Engl J Med** 1985 Jan 17;312(3):178-9

Ommaya reservoirs in 387 cancer patients: a 15-year experience. Obbens EA, et al. **Neurology** 1985 Sep; 35(9):1274-8

Superficial views on treatment for cancer. Ying MQ. **Nippon Gan Chiryo Gakkai Shi** 1984 May 20;19(4):832-8

High dose melphalan with autologous marrow rescue in cancer treatment. Dewar JM, et al. **NZ Med J** 1984 Nov 28;97(768):816-8

Gustotoxicity of bleomycin. Soni NK, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(2):101-4

Cancer chemotherapy in infants and children. Bleyer WA. **Pediatr Clin North Am** 1985 Jun;32(3):557-74 (78 ref.)

Anticipatory nausea and vomiting in pediatric cancer patients. Dolgin MJ, et al. **Pediatrics** 1985 Mar;75(3):547-52

Predictive testing in cancer chemotherapy. I. In vivo. Slee PH, et al. **Pharm Weekbl [Sci]** 1985 Jun 21;7(3):93-9 (43 ref.)

The high pH therapy for cancer tests on mice and humans. Brewer AK. **Pharmacol Biochem Behav** 1984;21 Suppl 1:1-5

Cesium therapy in cancer patients. Sartori HE. **Pharmacol Biochem Behav** 1984;21 Suppl 1:11-3

Nutrients and cancer: an introduction to cesium therapy.

Sartori HE. **Pharmacol Biochem Behav** 1984;21 Suppl 1:7-10

How may external and interstitial illumination be compared in laser photodynamic therapy? McKenzie AL. **Phys Med Biol** 1985 May;30(5):455-60

Cancer chemotherapy. Historical aspects and future considerations. Kardinal CG. **Postgrad Med** 1985 May 1; 77(6):165-74

An overview of the status of photoradiation therapy. Dougherty TJ. **Prog Clin Biol Res** 1984;170:75-87

Photoradiation of malignant tumors presensitized with hematoporphyrin derivative. McCaughan JS Jr. **Prog Clin Biol Res** 1984;170:805-27

Potential uses of polyamine biosynthesis inhibitors in tumor therapy. Oredsson SM, et al. **Prog Exp Tumor Res** 1984; 28:102-17

The response of human carcinoma cell lines to gamma-linolenic acid with special reference to the effects of agents which influence prostaglandin and thromboxane synthesis. Botha JH, et al. **Prostaglandins Leukotrienes Med** 1985 Jul;19(1):63-77

Concomitants of anticipatory nausea and emesis in cancer patients in chemotherapy. Dobkin P, et al. **Psychol Rep** 1985 Apr;56(2):671-6

Perioperative chemotherapy. Rationale, risk and results. Proceedings of an international symposium, 17/18 March, 1983, Zurich. **Recent Results Cancer Res** 1985;98:1-157

Methodological and statistical aspects in perioperative chemotherapy trials. Gelber RD. **Recent Results Cancer Res** 1985;98:53-63

Drug selection for perioperative chemotherapy. Hofmann V, et al. **Recent Results Cancer Res** 1985;98:40-5

Biochemical short-term predictive assay: results of correlative trials in comparison to other assays. Kaufmann M. **Recent Results Cancer Res** 1984;94:151-60

Techniques for avoiding surgical complications in chemotherapy-treated cancer patients. Raaf JH. **Recent Results Cancer Res** 1985;98:46-52

Rationale for perioperative anticancer treatment. Schabel FM Jr. **Recent Results Cancer Res** 1985;98:1-10

Predictive relevance for clinical outcome of in vitro sensitivity evaluated through antimetabolic assay. Silvestrini R, et al. **Recent Results Cancer Res** 1984; 94:140-50

ACTH 1-17 effects in the chemotherapy of advanced solid tumors. Barone C, et al. **Ric Clin Lab** 1984 Apr-Jun; 14(2):211-20

ACTH 1-17 effects in oncology. Battelli T, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):205-9

ACTH analogue application to oncostatic chemotherapy. A double blind approach. Piazza E, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):257-9

Ketoconazole prophylaxis in patients with solid tumours receiving aggressive immunosuppressive therapy. An open randomized comparison between 200 mg/d and 400 mg/d doses. Scrimgeour E, et al. **S Afr Med J** 1985 Jun 29; 67(26):1044-5

Information as a 'cure' for cancer [news] Culliton BJ. **Science** 1985 Feb 15;227(4688):732

Circadian timing of cancer chemotherapy. Hrushesky WJ. **Science** 1985 Apr 5;228(4695):73-5

Clinical safety and tolerance of mitoxantrone. Crossley RJ. **Semin Oncol** 1984 Sep;11(3 Suppl 1):54-8

A phase I study of daunorubicin in advanced untreatable malignancies. Harvey J, et al. **Semin Oncol** 1984 Dec;11(4 Suppl 3):33-5

The intracavitary administration of cytarabine to patients with nonhematopoietic malignancies: pharmacologic rationale and results of clinical trials. Markman M. **Semin Oncol** 1985 Jun;12(2 Suppl 3):177-83 (39 ref.)

Phase I trials of high-dose cytosine arabinoside (HDara-C) and HDara-C plus cisplatin in patients with advanced malignancies. Muss HB, et al. **Semin Oncol** 1985 Jun;12(2 Suppl 3):166-70

Cytarabine-cis-platin interactions in patients with advanced cancer. Schilsky RL, et al. **Semin Oncol** 1985 Jun;12(2 Suppl 3):171-6

Use of daunorubicin in patients with solid tumors. Von Hoff DD. **Semin Oncol** 1984 Dec;11(4 Suppl 3):23-7

Pharmacology and phase I clinical studies of daunorubicin in patients with advanced malignancies. Woodcock TM, et al. **Semin Oncol** 1984 Dec;11(4 Suppl 3):28-32

Some considerations on the role of chemotherapy in individualization of cancer therapy. Tagnon HJ. **Strahlentherapie** 1984 Nov;160(11):681-3

Monoclonal antibodies to tissue-associated antigens as antitumor reagents. Carroll AM, et al. **Surv Synth Pathol Res** 1984;3(3):189-200 (59 ref.)

Comparative evaluation of two outpatient antiemetic regimens for cancer chemotherapy. Pruitt BT, et al. **Tex Med** 1985 Jul;81(7):44-5

Phase II study of ifosfamide combined with Mesna uroprotection in advanced non-small-cell lung carcinoma and other solid tumors. Nobile MT, et al. **Tumori** 1984 Oct 31;70(5):433-7

[Exploration of various problems concerning fu zheng therapy of cancer] Yu GQ. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Feb;5(2):77-9 **(Chi)**

[Clinical phase II trial of a new antineoplastic drug, glyciphosphoramide (GPM)] Sun Y. **Chung Hua Chung Liu Tsa Chih** 1984 Sep;6(5):375-8 (Eng. Abstr.) **(Chi)**

[Clinical phase I trial of a new anti-neoplastic drug--glyciphosphoramide] Sun Y. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):293-5 (Eng. Abstr.) **(Chi)**

[Clinical evaluation of glyciphosphoramide used alone and in combination with other drugs] Wang ZY. **Chung Hua Chung Liu Tsa Chih** 1984 Sep;6(5):379-81 (Eng. Abstr.) **(Chi)**

[Clinical phase II trial of a new antineoplastic drug--glyciphosphoramide] Sun Y. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):273-6 (Eng. Abstr.) **(Chi)**

[Use of mitoxantrone in the treatment of tumors] Klener P. **Cas Lek Cesk** 1984 Jul 13;123(28):873 **(Cze)**

[The Hickman central venous catheter for the treatment of patients with cancer] Kroon BB, et al. **Ned Tijdschr Geneeskd** 1985 Jan 26;129(4):165-7 (Eng. Abstr.) **(Dut)**

[Cardiotoxicity of doxorubicin in children] Pilon JW, et al. **Ned Tijdschr Geneeskd** 1984 Jul 14;128(28):1339-43 (Eng. Abstr.) **(Dut)**

[Adjuvant chemotherapy of cancer: immediate costs and long-term risks] Cappelaere P, et al. **Bull Cancer (Paris)** 1984;71(4):313-25 (Eng. Abstr.) **(Fre)**

[Hemostasis and tumor invasion. Therapeutic implications] Cattan A. **Bull Cancer (Paris)** 1984;71(5):481-93 (83 ref.) (Eng. Abstr.) **(Fre)**

[Use of xenografts for the evaluation of tumor chemotherapy. Application to adjuvant chemotherapy] Duplan JF. **Bull Cancer (Paris)** 1984;71(4):292-6 (Eng. Abstr.) **(Fre)**

[Adjuvant chemotherapy of cancer: definition, prognosis, statistical aspects] Hayat M. **Bull Cancer (Paris)** 1984; 71(4):281-6 (Eng. Abstr.) **(Fre)**

[Rationalization of adjuvant chemotherapy by induction chemotherapy] Hoerni B, et al. **Bull Cancer (Paris)** 1984; 71(4):297-300 (Eng. Abstr.) **(Fre)**

[Completely implantable catheters for anticancer chemotherapy. A French experience of 325 cases] Champault G. **J Chir (Paris)** 1985 Apr;122(4):269-72 (Eng. Abstr.) **(Fre)**

[10 years' use of ftorafur in tumor chemotherapy at the Robert Rössle Institute. A retrospective analysis from the clinical-toxologic point of view] Tanneberger S, et al. **Arch Geschwulstforsch** 1984;54(4):285-99 (Eng. Abstr.) **(Ger)**

[Carrier systems for drugs--a new principle in drug therapy?] Eichler HG, et al. **Dtsch Med Wochenschr** 1985 Jan 18; 110(3):106-9 **(Ger)**

[Control of cardiac function during therapy with doxorubicin and other anthracyclines] Grille W, et al. **Dtsch Med Wochenschr** 1985 Jul 12;110(28-29):1134-7 **(Ger)**

[Experiences with an oncophytotherapeutic agent (letter)] Stadler HW, et al. **Dtsch Med Wochenschr** 1985 Jul 26; 110(30):1184-5 **(Ger)**

[Mitoxantrone--a new cytostatic agent] Klein HO. **Fortschr Med** 1985 Feb 28;103(8):229-30 (Eng. Abstr.) **(Ger)**

[Pretherapeutic studies of tumors in vivo. Cytokinetics and cytostatic tumor changes in diffusion chambers] Ohl S. **Fortschr Med** 1985 Mar 21;103(11):298-300 (Eng. Abstr.) **(Ger)**

[Mycologic long-term monitoring of ambulatory and inpatient treated children with malignant diseases during and following continuous polychemotherapy] Blaschke-Hellmessen R, et al. **Kinderarztl Prax** 1984 Oct; 52(10):456-64 (Eng. Abstr.) **(Ger)**

[Dose-effect relation in therapy of cytostatic-induced leukopenia with lithium carbonate] Burdach SE, et al. **Klin Padiatr** 1985 May-Jun;197(3):253-7 (Eng. Abstr.) **(Ger)**

[Possible prevention of adriamycin-induced cardiomyopathy by verapamil. Results of a pilot study] Müllerleile U, et al. **Klin Wochenschr** 1984 Nov 2;62(21):1032-7 (Eng. Abstr.) **(Ger)**

[Benefit and risk of high-dose metoclopramide in comparison to high-dose haloperidol or triflupromazine in cisplatin-induced vomiting] Saller R, et al. **Klin Wochenschr** 1985 May 2;63(9):428-32 (Eng. Abstr.) **(Ger)**

[Platelet function and high-dose methotrexate treatment with citrovorum factor rescue] Städtler R, et al. **Onkologie** 1984 Aug;7(4):238-42 (Eng. Abstr.) **(Ger)**

[Monitoring of cardiac function in anthracycline therapy in childhood] Jensen E, et al. **Padiatr Grenzgeb** 1984; 23(6):455-65 (Eng. Abstr.) **(Ger)**

[Remarks on the paper by H. Bause et al. Continuous peridural long-term morphine analgesia in an ambulatory cancer patient. Supplementary information on the use of an external portable dose-dispensing device for the treatment of unbearable cancer pain (letter)] Chrubasik J, et al. **Reg Anaesth** 1985 Apr;8(2):39-41 **(Ger)**

[Results of a pilot study of hyaluronidase as an adjunct to cytostatic therapy in malignant diseases] Baumgartner G, et al. **Wien Klin Wochenschr** 1985 Feb 1;97(3):148-53 (Eng. Abstr.) **(Ger)**

[A simple method for the determination of the methotrexate level in the practice of clinical oncology] Borsi J. **Orv Hetil** 1984 Oct 21;125(43):2629-31 (Eng. Abstr.) **(Hun)**

[The role of neutropenia in bacterial infections in children with malignant diseases under cytostatic therapy] Koós R, et al. **Orv Hetil** 1985 May 12;126(19):1153-8 (Eng. Abstr.) **(Hun)**

[Effect of cytostatics on spermatogenesis] Szilágyi I, et al. **Orv Hetil** 1985 May 12;126(19):1151-2 (Eng. Abstr.) **(Hun)**

[Antineoplastic therapy and urinary enzymes. Preliminary note on the determination of urinary N-acetyl-beta-D-glucosaminidase in patients treated with cisplatin] Crovato E, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2255-60 (Eng. Abstr.) **(Ita)**

[Theoretical bases of preventive medical therapy] Sismondi P, et al. **Minerva Ginecol** 1985 Jun;37(6):267-74 **(Ita)**

[Experimental study on the use of cisplatin in oncology] Scanni A, et al. **Minerva Med** 1985 Apr 28;76(17-18):851-7 (Eng. Abstr.) **(Ita)**

[Secondary leukemia following chemotherapy of various malignancies] Abe T, et al. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1543-52 (Eng. Abstr.) **(Jpn)**

[SM-108] Uzuka Y, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):757-66 (Eng. Abstr.) **(Jpn)**

[Intra-arterial infusion chemotherapy using a subcutaneously implanted silicone reservoir--with special reference to the method] Arai Y, et al. **Gan To Kagaku Ryoho** 1985 Feb; 12(2):270-7 (Eng. Abstr.) **(Jpn)**

[Fluorinated pyrimidines--administration methods] Furue H. **Gan To Kagaku Ryoho** 1984 Nov;11(11):2329-34 (Eng. Abstr.) **(Jpn)**

[5'-Deoxy-5-fluorouridine enzymatic activation from the masked compound to 5-fluorouracil in human malignant tissues] Hara Y. **Gan To Kagaku Ryoho** 1984 Oct; 11(10):2133-43 (Eng. Abstr.) **(Jpn)**

[Topical application of mitomycin C conjugated with dextran (MMC-D): a high molecular weight derivative of mitomycin C] Honda K, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 1):530-5 (Eng. Abstr.) **(Jpn)**

[Biochemical modulation in cancer chemotherapy] Kawasaki H, et al. **Gan To Kagaku Ryoho** 1985 Apr;12(4):815-29 (Eng. Abstr.) **(Jpn)**

[Phase I clinical study of NK 171 (etoposide)] Kimura K, et al. **Gan To Kagaku Ryoho** 1985 Apr;12(4):851-6 (Eng. Abstr.) **(Jpn)**

[A phase I study of 4'-epi-adriamycin, a new anthracycline anticancer agent] Kimura K, et al. **Gan To Kagaku Ryoho** 1984 Nov;11(11):2414-9 (Eng. Abstr.) **(Jpn)**

[Tumor-targeted chemotherapy with lipid contrast medium and macro molecular anticancer agents theoretical considerations and clinical outcome] Maeda H, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):773-82 (Eng. Abstr.) **(Jpn)**

[Phase II study of KW 2083 [7-N-(p-hydroxyphenyl)-mitomycin C] in patients with various cancers] Nishi I, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2513-9 (Eng. Abstr.) **(Jpn)**

[Research project of cancer chemotherapy] Ogawa M. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):595-600 (Eng. Abstr.) **(Jpn)**

[Current status of clinical results of new antitumor drugs] Ogawa M. **Gan To Kagaku Ryoho** 1985 Feb;12(2):179-88 (71 ref.) (Eng. Abstr.) **(Jpn)**

[Bestrabacil: a possible target-oriented anticancer agent] Ohsawa N, et al. **Gan To Kagaku Ryoho** 1984 Oct; 11(10):2115-24 (Eng. Abstr.) **(Jpn)**

[Continuous venous infusion in cancer chemotherapy] Ota K. **Gan To Kagaku Ryoho** 1985 Apr;12(4):798-805 (Eng. Abstr.) **(Jpn)**

[Mode of action of fluoropyrimidines, in relation to their clinical application] Suga S, et al. **Gan To Kagaku Ryoho** 1984 Nov;11(11):2301-6 (Eng. Abstr.) **(Jpn)**

[Arterial infusion method: its theory and clinical application--dosage and regimen] Taguchi T. **Gan To Kagaku Ryoho** 1985 Apr;12(4):839-43 (Eng. Abstr.) **(Jpn)**

[A clinical trial of a new mitomycin C derivative, KW-2083 (7-N-(p-hydroxyphenyl)-mitomycin C)] Takahashi K, et al. **Gan To Kagaku Ryoho** 1985 Sep;12(9):1787-93 (Eng. Abstr.) **(Jpn)**

[High-dose treatment] Takaku F. **Gan To Kagaku Ryoho** 1985 Apr;12(4):830-8 (Eng. Abstr.) **(Jpn)**

[Effect of combined use of adrenocortical hormones and domperidone as anti-emetics during cisplatin therapy] Tanaka T, et al. **Gan To Kagaku Ryoho** 1985 May; 12(5):1049-55 (Eng. Abstr.) **(Jpn)**

[Domperidone suppositories treatment for nausea and vomiting during cancer chemotherapy] Usui N, et al. **Gan To Kagaku Ryoho** 1984 Oct;11(10):2272-3 **(Jpn)**

[Drug administration in combination for management of cancer] Wakui A. **Gan To Kagaku Ryoho** 1985 Apr; 12(4):806-14 (Eng. Abstr.) **(Jpn)**

[Phase I trial of 4'-O-tetrahydropyranyl-doxorubicin (THP)--a multi-institutional cooperative study] Wakui A, et al. **Gan To Kagaku Ryoho** 1985 Jan;12(1):118-24 (Eng. Abstr.) **(Jpn)**

[Control of cancer mortality] Sato H. **Hokkaido Igaku Zasshi** 1984 Jul;59(4):375-7 **(Jpn)**

[Selective intraarterial infusion of OK-432 in advanced malignancies] Sakamoto K, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Feb 20;20(1):84-93 (Eng. Abstr.) **(Jpn)**

[A study of cytohistology of human cancer cells in vivo and in vitro—in relation to sensitivity for carcinostatic agents] Yoneda T, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Feb 20;20(1):94–105 (Eng. Abstr.) **(Jpn)**

[Arterial administration of SMANCS and other antitumor agents dissolved in lipiodol for various malignant solid tumors] Konno T, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1151–6 (Eng. Abstr.) **(Jpn)**

[Indication for microcapsulated antineoplastic agents, with special reference to local therapy using magnetized powder] Karasawa N, et al. **Nippon Ika Daigaku Zasshi** 1984 Aug;51(4):516–9 **(Jpn)**

[Symposium on treatment of cancer. 4. Targeting chemotherapy using oily contrast medium for malignant solid tumor—a brief review] Tashiro S, et al. **Nippon Naika Gakkai Zasshi** 1984 Nov;73(11):1601–6 (16 ref.) **(Jpn)**

[Symposium on treatment of cancer. 3. Induced hypertension chemotherapy of solid tumors based on functional characteristics of tumor vessels] Wakui A, et al. **Nippon Naika Gakkai Zasshi** 1984 Nov;73(11):1596–600 **(Jpn)**

[Pain therapy in children with cancer] Storm-Mathisen I, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1743–5 **(Nor)**

[New trends and concepts in antineoplastic chemotherapy (Report from the 13th International Congress on Chemotherapy in Vienna)] Danysz A. **Pol Tyg Lek** 1984 Jul 2;39(27):929–32 **(Pol)**

[Toxic and psychogenic causes of nausea and vomiting associated with cytostatic treatment] Kotlarek-Haus S, et al. **Pol Tyg Lek** 1985 Apr 8–15;40(14–15):417–20 (Eng. Abstr.) **(Pol)**

[Pharmacokinetics of the antitumor antibiotic bleomycetin in cancer patients given the preparation by different methods] Smolianskaia AZ, et al. **Antibiotiki** 1984 Aug; 29(8):616–9 (Eng. Abstr.) **(Rus)**

[Optimization and prognosis of the effectiveness of using nitrosomethylurea for treating malignant tumor patients based on pharmacokinetic parameters] Konradov AA, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Jan–Feb;(1):16–24 (Eng. Abstr.) **(Rus)**

[Experimental substantiation of the clinical use of the enzymatic blood preparation, ceruloplasmin] Pinchuk VG, et al. **Vestn Akad Med Nauk SSSR** 1985;(1):22–7 (E[illegible] Abstr.) **(R[illegible]**

[Experience in the organization of ambulatory chemotherapy at the All-Union Oncologic Research Center of the USSR Academy of Medical Sciences] Sokolova VD, et al. **Vopr Onkol** 1985;31(1):92–6 (Eng. Abstr.) **(Rus)**

[Cancer pain resistant to analgesics. New research findings can partially explain unsatisfactory effects of analgesics] Arnér S. **Lakartidningen** 1985 Feb 6;82(6):385–8 (Eng. Abstr.) **(Swe)**

ECONOMICS

Medical expenditures of terminal cancer patients during the last year of life. Long SH, et al. **Inquiry** 1984 Winter; 21(4):315–27

Utilization and charges for terminal cancer patients in Rhode Island. Spector WD, et al. **Inquiry** 1984 Winter; 21(4):328–37

Paying for cancer care under the diagnosis-related group reimbursement [letter] **JAMA** 1985 Aug 23–30;254(8):1032

The epidemiology of disease expenses. The costs of caring for children with cancer. Bloom BS, et al. **JAMA** 1985 Apr 26;253(16):2393–7

Cancer research, education, welfare, investment [letter] **NZ Med J** 1985 Jan 23;98(771):24–5

AIDS amendment angers cancer institute [news] Culliton BJ. **Science** 1984 Nov 30;226(4678):1056

EMBRYOLOGY

[The morphogenetic potential of tumor cells] Erenpreĭs IaG. **Eksp Onkol** 1984;6(3):10–4 (68 ref.) (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Separation of deoxythymidine-5'-triphosphatase from unspecific hydrolases. A recommended micromethod in the diagnostic evaluation of human carcinoma. Dahlmann N, et al. **Anticancer Res** 1984 Jul–Oct;4(4–5):299–303

Influence of nutritional status on circulatory ribonuclease C levels in patients with cancer. Chlebowski RT, et al. **Cancer** 1985 Jan 15;55(2):427–31

Glycosidases in cancer and invasion. Bernacki RJ, et al. **Cancer Metastasis Rev** 1985;4(1):81–101 (180 ref.)

Cysteine proteinases and metastasis. Sloane BF, et al. **Cancer Metastasis Rev** 1984;3(3):249–63 (124 ref.)

Evidence for homology of normal and neoplastic human placental alkaline phosphatases as determined by monoclonal antibodies to the cancer-associated enzyme. Jemmerson R, et al. **Cancer Res** 1985 Jul;45(7):3268–73

Alterations in the activity and isozymic profile of human phosphofructokinase during malignant transformation in vivo and in vitro: transformation- and progression-linked discriminants of malignancy. Vora S, et al. **Cancer Res** 1985 Jul;45(7):2993–3001

Lymphocyte lactate dehydrogenase isoenzymes in association with depressed mitogen responsiveness. Hannigan B, et al. **Cell Biol Int Rep** 1984 Oct;8(10):857–65

Polyacrylic membrane technique for the demonstration of enzymatic activity in cytology material—II. Acid phosphatase, non-specific esterases, beta-glucuronidase, NADH: (acceptor) oxidoreductase, NADPH: (acceptor) oxidoreductase and glycerol-3-phosphate oxidoreductase. Elias EA, et al. **Cell Mol Biol** 1984;30(6):565–70

Reactivation of serum creatine kinase isoenzyme BB in patients with malignancies. Abbott LB, et al. **Clin Chem** 1984 Nov;30(11):1861–3

Association of an oxygen-sensitive lactate dehydrogenase isoenzyme, LDk, with LD-6 in serum of critically ill patients. Onorato VA, et al. **Clin Chem** 1984 Oct; 30(10):1603–6

Enzyme-antigen immunoassay for human placental alkaline phosphatase in serum and tissue extracts, and its application as a tumor marker. Pollet DE, et al. **Clin Chem** 1985 Jan; 31(1):41–5

Screening of sera and tumor extracts of cancer patients using a monoclonal antibody directed against human placental alkaline phosphatase. Van de Voorde A, et al. **Eur J Cancer Clin Oncol** 1985 Jan;21(1):65–71

Acid phosphatase of neutrophils in patients with malignancies. Lisiewicz J, et al. **Folia Haematol (Leipz)** 1984;111(5):595–8

Hepatic triglyceride lipase and lipoprotein lipase activities in post-heparin plasma of patients with various cancers. Masuno H, et al. **Gann** 1985 Mar;76(3):202–7

Human tumor cell membrane glycoprotein associated with protein kinase activity. Seehafer J, et al. **Int J Cancer** 1984 Dec 15;34(6):815–9

Aryl hydrocarbon hydroxylase induction levels in patients with malignant tumors associated with smoking. Korsgaard R, et al. **J Cancer Res Clin Oncol** 1984;108(3):286–9

Chemiluminescence from an erythrocyte folic acid oxidase from normal individuals and from cancer patients. Durán N, et al. **Physiol Chem Phys Med NMR** 1984;16(4):325–31

Expression of autophosphorylating protein kinase 500 in normal and neoplastic rat cells. Majumdar G, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5035–9

Induction of alkaline phosphatase expression in cultured cancer cells. Herz F. **Prog Clin Biol Res** 1984;166:139–66

A search for human placental-type alkaline phosphatases using monoclonal antibodies. McLaughlin PJ, et al. **Prog Clin Biol Res** 1984;166:67–75

Clinical studies with neuron specific enolase. Marangos PJ. **Prog Clin Biol Res** 1985;175:285–94 (25 ref.)

Release of cathepsin B precursors from human and murine tumours. Mort JS, et al. **Prog Clin Biol Res** 1985;180:243–5

Placental and placental-like alkaline phosphatases in sera from healthy adults and cancer patients. Rasmuson T, et al. **Prog Clin Biol Res** 1984;166:309–15

NSE in neuroblastoma and other round cell tumors of childhood. Triche TJ, et al. **Prog Clin Biol Res** 1985; 175:295–317 (43 ref.)

The application of a monoclonal antibody for the detection of human placental alkaline phosphatase in sera and tumor extracts of cancer patients. Van de Voorde A, et al. **Prog Clin Biol Res** 1984;166:59–66

The lymphocyte acid phosphatase-positive lysosomes in patients with malignancies. Lisiewicz J, et al. **Scand J Haematol** 1985 Feb;34(2):181–3

Neuron-specific enolase in neuroblastoma and other pediatric tumors: a comparative nude mouse and clinical investigation. Tsuchida Y, et al. **Tumour Biol** 1985; 6(1):67–73

[Regulation of neoplasm-specific cathepsin B by cysteine-protease inhibitors present in cancerous exudates] Keppler D, et al. **C R Acad Sci [III]** 1985;300(13):471–4 (Eng. Abstr.) **(Fre)**

[Serum lysozyme level in children with acute leukemia and malignant diseases] Dick W, et al. **Padiatr Padol** 1985; 20(1):25–32 (Eng. Abstr.) **(Ger)**

[Alanine aminopeptidase and gamma-glutamyltransferase in tumors of the human] Hütter HJ, et al. **Z Med Lab Diagn** 1985;26(2):58–66 (Eng. Abstr.) **(Ger)**

[Alterations of lectin affinity of serum alpha 1-antichymotrypsin in malignant diseases] Kidani H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Aug;81(8):1870 **(Jpn)**

[Clinical evaluation of serum pancreatic secretory trypsin inhibitor (PSTI) in patients with malignant diseases] Suehiro I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Aug;81(8):1830–6 (Eng. Abstr.) **(Jpn)**

[Arylsulfatase of peripheral blood leukocytes in patients with selected proliferative diseases of the hematopoietic system, malignant neoplasms in other organs and lupus erythematosus] Hrycek A, et al. **Pol Arch Med Wewn** 1984 Dec;72(6):299–303 (Eng. Abstr.) **(Pol)**

[Collagenases and the invasiveness of neoplastic cells] Irzykiewicz K, et al. **Postepy Hig Med Dosw** 1984 Mar–Apr;38(2):157–68 (42 ref.) (Eng. Abstr.) **(Pol)**

[Several peculiarities of hexokinase of malignant and benign tumors in man] Liubimova NV, et al. **Eksp Onkol** 1984; 6(5):42–6 (Eng. Abstr.) **(Rus)**

[Growth factors and their activation of protein kinases in benign and malignant tumors] Blagosklonnyĭ MV. **Vopr Onkol** 1985;31(7):8–16 (51 ref.) **(Rus)**

[Proteolytic enzymes and their inhibitors in clinical and experimental oncology] Geshelin SA, et al. **Vopr Onkol** 1984;30(10):9–18 (97 ref.) **(Rus)**

ETIOLOGY

Cancer and senescence: is there a biological link? Burch PR. **Acta Genet Med Gemellol (Roma)** 1984;33(3):457–65

Role of epigenetic factors in dietary carcinogenesis. Berry DL, et al. **Adv Exp Med Biol** 1984;177:91–113 (95 ref.)

Epidemiologic studies on vitamin A and cancer. Mettlin C. **Adv Nutr Res** 1984;6:47–65 (35 ref.)

Passive smoking in adulthood and cancer risk. Sandler DP, et al. **Am J Epidemiol** 1985 Jan;121(1):37–48

Allergy-related diseases and cancer: an inverse association. Vena JE, et al. **Am J Epidemiol** 1985 Jul;122(1):66–74

A population-based study of cancer incidence in twins and in children with congenital malformations or low birth weight, Norway, 1967–1980. Windham GC, et al. **Am J Epidemiol** 1985 Jan;121(1):49–56

Hyperestrogenemia, diet, and disorders of Western societies. Phillips GB. **Am J Med** 1985 Mar;78(3):363–6

Immune system in rheumatoid arthritis: possible implications in neoplasms. Vaughan JH. **Am J Med** 1985 Jan 21; 78(1A):6–11

Studies of migrant populations [editorial] Haenszel W. **Am J Public Health** 1985 Mar;75(3):225–6

Cancer risk in adulthood from early life exposure to parents' smoking. Sandler DP, et al. **Am J Public Health** 1985 May; 75(5):487–92

The frequency of malignant neoplasms in patients with polymyositis-dermatomyositis. A controlled study. Manchul LA, et al. **Arch Intern Med** 1985 Oct; 145(10):1835–9

A status report on diet, nutrition and cancer. Campbell TC. **ASDC J Dent Child** 1985 Jan–Feb;52(1):65–7

What are we doing when we think we are doing risk analysis? Bailar JC 3d, et al. **Basic Life Sci** 1985;33:65–76

Where the future? Part I—Round table discussion. Haynes RH. **Basic Life Sci** 1985;33:455–68

Where the future? Part II—Round table discussion. Schneiderman MA. **Basic Life Sci** 1985;33:469–82

The borderland of embryogenesis and carcinogenesis. Major histocompatibility complex-linked genes affecting development and their possible relationship to the development of cancer. Gill TJ 3d. **Biochim Biophys Acta** 1984;738(3):93–102 (95 ref.)

A status report on diet, nutrition and cancer. Colin Campbell T. **Bol Asoc Med PR** 1985 Mar;77(3):112–4

Viral aetiology of diseases of obscure origin. Mims CA. **Br Med Bull** 1985 Jan;41(1):63–9 (82 ref.)

The world cancer burden [letter] Burch PR. **Br Med J [Clin Res]** 1985 Mar 2;290(6469):710

Secondary non-hematopoietic cancers arising following treatment of hematopoietic disorders. Krause JR, et al. **Cancer** 1985 Feb 1;55(3):512–5

Reflections on tumor origin, immunogenicity, and immunotherapy. Weiss DW. **Cancer Immunol Immunother** 1984;18(1):1–4 (33 ref.)

Quantitative aspects of the causes of the main human cancers in the light of initiating and promoting mechanisms. Weisburger JH. **Cancer Lett** 1985 Feb;26(1):89–95

Proteoglycans and cell adhesion. Their putative role during tumorigenesis. Turley EA. **Cancer Metastasis Rev** 1984; 3(4):325–39 (147 ref.)

Workshop on ataxia-telangiectasia heterozygotes and cancer. Bridges BA, et al. **Cancer Res** 1985 Aug;45(8):3979–80

Cancer as a dynamic developmental disorder. Rubin H. **Cancer Res** 1985 Jul;45(7):2935–42 (85 ref.)

Tumor promotion and tumor progression. Barrett JC. **Carcinog Compr Surv** 1985;8:423–9

Multi-event model of carcinogenesis: a mathematical model for cancer causation and prevention. Chu KC. **Carcinog Compr Surv** 1985;8:411–21

Relevance of tumor promotion to carcinogenesis in human populations. Kennedy AR. **Carcinog Compr Surv** 1985; 8:431–5

Types of enhancement of carcinogenesis and influences on human cancer. Williams GM. **Carcinog Compr Surv** 1985; 8:447–57

Changes in the host natural killer cell population in mice during tumor development. 1. Kinetics and in vivo significance. Lala PK, et al. **Cell Immunol** 1985 Jul; 93(2):250–64

High incidence of cancer in uremic patients [letter] Giacchino F, et al. **Clin Nephrol** 1985 May;23(5):265–6

Chemical carcinogenesis: an overview. Hecht SS. **Clin Physiol Biochem** 1985;3(2–3):89–97 (51 ref.)

The use of correspondence analysis in the assessment of morphologic changes during carcinogenesis. Gelsema ES, et al. **Cytometry** 1984 Sep;5(5):463–8

Frequency of cancer among insulin-treated diabetic patients in Denmark. Green A, et al. **Diabetologia** 1985 Mar; 28(3):128–30

Secondary malignancies after marrow transplantation. Deeg HJ, et al. **Exp Hematol** 1984 Sep;12(8):660–6

AIDS and oncogenesis. Ziegler JL. **Front Radiat Ther Oncol** 1985;19:99–104 (24 ref.)

Medical geographic compendium of some kinds of cancer with model programme. Vargha GL. **Geogr Med** 1984; 14:97–113

Viruses, genes, and cancer. Bishop JM. **Harvey Lect** 1982–83; 78:137–72

Models, mechanisms and etiology of tumour promotion. Proceedings of a symposium organized by the Hungarian Cancer Society and the IARC. Budapest, 16–18 May 1983. **IARC Sci Publ** 1984;(56):1–532

Virus-associated cancers in Africa. **IARC Sci Publ** 1984; (63):1–774

NEWARK PUBLIC LIBRA

Diet and cancer. McCullough JY. **Indiana Med** 1984 Aug; 77(8):604-8

Occupational cancer: a hazard for epidemiologists. Doll R. **Int J Epidemiol** 1985 Mar;14(1):22-31

Free oxygen radicals: necessary contributors to tumor promotion and cocarcinogenesis. Troll W, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:207-18 (51 ref.)

Oncogenes, inhibited intercellular communication and tumor promotion. Trosko JE, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:101-13 (78 ref.)

Similarities of papillomavirus infections with tumor promoters. zur Hausen H. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:147-52

Herpes zoster and occult malignancy. Fueyo MA, et al. **J Am Acad Dermatol** 1984 Sep;11(3):480-2

Use of cultured human tissues and cells in carcinogenesis research. Gabrielson EW, et al. **J Cancer Res Clin Oncol** 1985;110(1):1-10 (83 ref.)

Alcohol and cancer in male Japanese physicians. Kono S, et al. **J Cancer Res Clin Oncol** 1985;109(1):82-5

Diabetes mellitus and cancer risk: a multisite case-control study. O'Mara BA, et al. **J Chronic Dis** 1985;38(5):435-41

Legal and scientific probability of causation of cancer and other environmental disease in individuals. Brennan TA, et al. **J Health Polit Policy Law** 1985 Spring;10(1):33-80

A description of life style attributes among cancer patients and their spouses. Clutter GA, et al. **J Natl Med Assoc** 1985 Mar;77(3):193-5

Cancer and the prostaglandins: a mini review on cancer research. elAttar TM. **J Oral Pathol** 1985 Aug;14(7):511-22 (92 ref.)

Smoking and malignant disease: a general practice study. Tyler SJ, et al. **J R Coll Gen Pract** 1984 Nov;34(268):589-92

Dietary carcinogens and anti-carcinogens. Ames BN. **J Toxicol Clin Toxicol** 1984;22(3):291-301

Recent advances in occupational cancer. Becker CE, et al. **J Toxicol Clin Toxicol** 1984;22(3):195-208

Occupational cancer: clinical interpretation and application of scientific evidence. Rosenstock L. **J Toxicol Clin Toxicol** 1984;22(3):261-82

Approaches to surveillance of occupational cancer. Wegman DH. **J Toxicol Clin Toxicol** 1984;22(3):239-59

Multiple opportunistic infections and neoplasms in the acquired immunodeficiency syndrome [editorial] Wormser GP. **JAMA** 1985 Jun 21;253(23):3441-2

Cohort study of internal malignancy in genetic hemochromatosis and other chronic nonalcoholic liver diseases. Bradbear RA, et al. **JNCI** 1985 Jul;75(1):81-4

Epidemiology of retinoids and cancer. Graham S. **JNCI** 1984 Dec;73(6):1423-8

Body mass index as a predictor of cancer in men. Nomura A, et al **JNCI** 1985 Feb;74(2):319-23

Discussion of case-control studies of Peleg, Stähelin, and Willett. Seigel D. **JNCI** 1984 Dec;73(6):1469-70

Role of retinoids in differentiation and carcinogenesis. Sporn MB, et al. **JNCI** 1984 Dec;73(6):1381-7

Cancer, vitamins, and plasma lipids: prospective Basel study. Stähelin HB, et al. **JNCI** 1984 Dec;73(6):1463-8

Early precursors of site-specific cancers in college men and women. Whittemore AS, et al. **JNCI** 1985 Jan;74(1):43-51

Hypertension detection and follow-up program study of serum retinol, retinol-binding protein, total carotenoids, and cancer risk: a summary. Willett WC, et al. **JNCI** 1984 Dec;73(6):1459-62

Lifetime passive smoking and cancer risk [letter] **Lancet** 1985 Jun 22;1(8443):1444

Ultrasound examinations in pregnancy and childhood cancer. Cartwright RA, et al. **Lancet** 1984 Nov 3;2(8410):999-1000

Obstetric ultrasound and childhood malignancies. Kinnier Wilson LM, et al. **Lancet** 1984 Nov 3;2(8410):997-9

Cumulative effects of lifetime passive smoking on cancer risk. Sandler DP, et al. **Lancet** 1985 Feb 9;1(8424):312-5

Carcinogenic risk assessment: concepts and issues. Baeck ML, et al. **Md Med J** 1985 Jul;34(7):672-4

Polyamines in mammalian ageing: an oncological problem, too? A review. Scalabrino G, et al. **Mech Ageing Dev** 1984 Aug;26(2-3):149-64 (87 ref.)

Theoretical involvement of vitamin B6 in tumour initiation. Prior FG. **Med Hypotheses** 1985 Apr;16(4):421-8

Fruit flies, yeasts, and onc genes: developmental biology and cancer research come together. Levine AS. **Med Pediatr Oncol** 1984;12(5):357-74 (91 ref.)

Cancer risks in patients with chronic lymphocytic thyroiditis. Holm LE, et al. **N Engl J Med** 1985 Mar 7;312(10):601-4

Evolution of tumours and the impact of molecular oncology. Klein G, et al. **Nature** 1985 May 16-22;315(6016):190-5 (146 ref.)

The development of joint scientific cooperation within the framework of CMEA on the problem of 'viral carcinogenesis'. Nadirova GS, et al. **Neoplasma** 1984; 31(6):745-9

Oncogenes cause cancer? Wilkins RJ. **NZ Med J** 1985 Jun 12;98(780):433-4

Judging causality in environmental cancer. Weiss W. **Pa Med** 1985 Jan;88(1):27-8, 30, 32

Late determinants of cancer. Tulinius H. **Pathol Res Pract** 1984 Sep;179(1):74-80 (50 ref.)

The 1984 Association Lecture of the Hospital Physicists' Association. Man and his environment. Fremlin JH. **Phys Med Biol** 1985 Jan;30(1):1-9

Diet, nutrition, and cancer. An update on a controversial relationship. Purtilo DT, et al. **Postgrad Med** 1985 Jul; 78(1):193-4, 199-203

Tumorigenic and metastatic properties of 'normal' and ras-transfected NIH/3T3 cells. Greig RG, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3698-701

An initiator of carcinogenesis selectively and stably inhibits stem cell differentiation: a concept that initiation of carcinogenesis involves multiple phases. Scott RE, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2995-9

Ataxia-telangiectasia: a human genetic disorder with predisposition to cancer. Lavin M, et al. **Prog Clin Biol Res** 1985;172A:409-16

Flexibility of nucleic acid bases and its possible relationship with carcinogenesis. Mishra PC. **Prog Clin Biol Res** 1985; 172B:45-52

Third International Duran-Reynals Symposium: Viruses, Oncogenes, and Cancer. Barcelona, Spain, May 14-17, 1984. **Prog Med Virol** 1985;32:1-215

Involvement of opioid peptides in the analgesic, immunosuppressive, and tumor-enhancing effects of stress. Lewis JW, et al. **Psychopharmacol Bull** 1985;21(3):479-84

Some issues in the quantitative modeling portion of cancer risk assessment. Sielken RL Jr. **Regul Toxicol Pharmacol** 1985 Jun;5(2):175-81

Effects of wood dust exposure and diethylnitrosamine in an animal experimental system. Wilhelmsson B, et al. **Rhinology** 1985 Jun;23(2):114-7

Occupational cancer. Where now and where next? Roe FJ. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):181-7

Towards a psychobiological model of cancer: biological considerations. Pettingale KW. **Soc Sci Med** 1985; 20(8):779-87

Susceptibility to cancer: some examples from epidemiology. Jensen OM. **Tokai J Exp Clin Med** 1983 Dec; 8(5-6):399-404

Malignant disease in renal transplant patients. Blohmé I, et al. **Transplantation** 1985 Jan;39(1):23-5

[Alcohol, immunity and cancer] Vannetzel JM, et al. **Ann Med Interne (Paris)** 1985;136(3):236-7 (Eng. Abstr.) **(Fre)**

[Relation between alcoholic cirrhosis and extrahepatic cancers not linked with alcohol or tobacco (letter)] Chaput JC, et al. **Gastroenterol Clin Biol** 1984 Nov;8(11):883 **(Fre)**

[Criteria and indications for the recognition of malignant tumors as occupational diseases] Konetzke GW. **Arch Geschwulstforsch** 1985;55(2):147-9 **(Ger)**

[The red thread: oncogenes and their convergence in cancer research] Vogt PK. **Arzneimittelforsch** 1985;35(2):557-61 **(Ger)**

[Oncogenes--controlling factors of growth and differentiation] Harbers E. **Dtsch Med Wochenschr** 1985 Mar 15;110(11):427-32 **(Ger)**

[The environment and cancer] Rosskamp E. **Schriftenr Ver Wasser Boden Lufthyg** 1985;63:17-30 (17 ref.) **(Ger)**

[Tumors and kidney transplantation] Brünisholz M, et al. **Schweiz Med Wochenschr** 1984 Dec 22;114(51):1915-24 (73 ref.) (Eng. Abstr.) **(Ger)**

[Criteria and references for the recognition of malignant tumors as occupational disease] Konetzke GW. **Z Arztl Fortbild (Jena)** 1985;79(2):89-90 **(Ger)**

[DNA repair and carcinogenesis] Takebe H. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1433-8 (Eng. Abstr.) **(Jpn)**

[Genetically high risk group for cancer associated with DNA repair deficiency] Takebe H. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):589-94 (Eng. Abstr.) **(Jpn)**

[Role of cellular oncogenes in the development of neoplasms] Chorazy M. **Nowotwory** 1985 Jan-Mar;35(1):1-15 (Eng. Abstr.) **(Pol)**

[Significance of activation of oncogenes in neoplastic transformation] Rakowicz-Szulczyńska EM. **Pol Arch Med Wewn** 1985 Feb;73(2):65-73 **(Pol)**

[Cell-transforming genes] Chorazy M, et al. **Postepy Biochem** 1983;29(3-4):261-98 (110 ref.) **(Pol)**

[Role of proteases, plasminogen activators, fibrin fibrinogen degradation products and fibrinopeptides in the growth and development of neoplasms and neoplasm metastases] Farbiszewski R. **Postepy Hig Med Dosw** 1984 Mar-Apr; 38(2):133-55 (165 ref.) (Eng. Abstr.) **(Pol)**

[Eicosanoic acids and neoplasms] Pawlikowski M. **Postepy Hig Med Dosw** 1985 Jan-Feb;39(1):1-11 (48 ref.) (Eng. Abstr.) **(Pol)**

[Cancer--a systemic disease] Conde J. **Rev Port Estomatol Cir Maxilofac** 1984 Apr-Jun; 25(2):745-73 **(Por)**

[Metabolic activation systems used in short-term tests for the detection of environmental carcinogens] Mizgirev IV, et al. **Eksp Onkol** 1985;7(2):15-9 (Eng. Abstr.) **(Rus)**

[Diffuse connective tissue diseases and malignant tumors] Nasonova VA, et al. **Klin Med (Mosk)** 1985 Feb;63(2):33-42 (Eng. Abstr.) **(Rus)**

[Double-mutation hypothesis of carcinogenesis] Strunnikov VA, et al. **Tsitol Genet** 1984 Sep-Oct;18(5):380-91 (52 ref.) (Eng. Abstr.) **(Rus)**

[Solid tumors in multiple myeloma (letter)] Feliu J, et al. **Med Clin (Barc)** 1985 Mar 9;84(9):374-5 **(Spa)**

[Endogenous factors in the pathogenesis of cancer] Alvarez Noves J. **Rev Esp Oncol** 1982;29(3):539-46 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Genetic epidemiology of neoplasia in man: a review. Balakrishnan V. **Acta Anthropogenet** 1983;7(3):153-96 (227 ref.)

Genetic suppression of tumor formation. Sager R. **Adv Cancer Res** 1985;44:43-68 (93 ref.)

Comparison of needle aspiration and solid biopsy technics in the flow cytometric study of DNA distributions of surgically resected tumors. Greenebaum E, et al. **Am J Clin Pathol** 1984 Nov;82(5):559-64

The pipette-method: its application to cytogenetic studies of tumor cells cloned in semisolid media. Bullerdiek J, et al. **Anticancer Res** 1985 Jul-Aug;5(4):411-3

Juxta-centromeric fragility of chromosomes 1, 2, 9, 16, and immunodeficiency. Special reference to the fragility of chromosome 2 and its oncogenic potential. Shabtai F, et al. **Anticancer Res** 1984 Jul-Oct;4(4-5):235-9

Cytogenetic and allied studies in populations exposed to radiations and chemical agents. Evans HJ. **Basic Life Sci** 1985;33:429-51

Genetic and epigenetic aspects of tumor progression and tumor heterogeneity. Liteplo RG, et al. **Basic Life Sci** 1985; 33:285-305

Sensitivities of peripheral lymphocytes from healthy humans and cancer patients to induction of sister chromatid exchanges by genotoxicants. Oikawa A, et al. **Basic Life Sci** 1984;29 Pt B:813-23

Value and significance of SCE in human leukemia and cancer. Sandberg AA, et al. **Basic Life Sci** 1984;29 Pt B:825-38

Sister chromatid exchange frequency and cell cycle kinetics in cancer patients treated with cytostatic drugs. Singh NP, et al. **Basic Life Sci** 1984;29 Pt B:885-93

Amplified DNA sequences in cancers. Nakatani H, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):508-14

Genetic mechanisms in neoplasia. Nienhuis AW. **Blood** 1984 Nov;64(5):949-50

Transforming ras oncogenes and multistage carcinogenesis. Balmain A. **Br J Cancer** 1985 Jan;51(1):1-7 (44 ref.)

Fifth Gordon Hamilton-Fairley memorial lecture. Methotrexate resistance and gene amplification: an experimental model for the generation of cellular heterogeneity. Schimke RT, et al. **Br J Cancer** 1985 Apr; 51(4):459-65

Oncogenes and human cancer. Horwich A. **Br J Hosp Med** 1984 Nov;32(5):262-6

Viruses, genes, and cancer. II. Retroviruses and cancer genes. Bishop JM. **Cancer** 1985 May 15;55(10):2329-33

The concurrence of Saethre-Chotzen syndrome and malignancy in a family with in vitro immune dysfunction. McKeen EA, et al. **Cancer** 1984 Dec 15;54(12):2946-51

Viruses, genes, and cancer. I. The discovery of cellular oncogenes and their role in neoplasia. Varmus HE. **Cancer** 1985 May 15;55(10):2324-8 (50 ref.)

Double minutes in prematurely condensed chromatin of human tumor cells. Brüderlein S, et al. **Cancer Genet Cytogenet** 1985 Mar 15;16(2):145-52

Further evidence for nonrandom chromosome changes in carcinoma cells--a report of 28 cases. Bullerdiek J, et al. **Cancer Genet Cytogenet** 1985 Mar 1;16(1):33-43

Differential mutagen susceptibility in cultured lymphocytes of normal individuals and cancer patients. Hsu TC, et al. **Cancer Genet Cytogenet** 1985 Aug;17(4):307-13

Variability of chromosomes 1, 9, and 16 in children with malignant diseases. Petković I, et al. **Cancer Genet Cytogenet** 1985 Mar 15;16(2):169-73

Oncogenes and human cancer. Pimentel E. **Cancer Genet Cytogenet** 1985 Jan 15;14(3-4):347-68 (177 ref.)

On the meaning of fragile sites in cancer risk and development. Shabtai F, et al. **Cancer Genet Cytogenet** 1985 Sep;18(1):81-5

Somatic cell fusion as a source of genetic rearrangement leading to metastatic variants. Larizza L, et al. **Cancer Metastasis Rev** 1984;3(3):193-222 (202 ref.)

Quantitative genetic analysis of tumor progression. Ling V, et al. **Cancer Metastasis Rev** 1985;4(2):173-92 (131 ref.)

Perspectives on clonogenic tumor cells, stem cells, and oncogenes. Buick RN, et al. **Cancer Res** 1984 Nov; 44(11):4909-18 (117 ref.)

Increased mutation frequency following treatment with cancer chemotherapy. Dempsey JL, et al. **Cancer Res** 1985 Jun;45(6):2873-7

Hereditary cancer, oncogenes, and antioncogenes. Knudson AG Jr. **Cancer Res** 1985 Apr;45(4):1437-43

Chromosomal radiosensitivity of human tumor cells during the G2 cell cycle period. Parshad R, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5577-82

The nature of inherited susceptibility to cancer. Harnden DG. **Carcinogenesis** 1984 Dec;5(12):1535-7

Genetic and phenotypic markers of tumors (second annual ICOG meeting). Abstracts. **Chemioterapia** 1984;3(6 Suppl):31-67

European Society of Human Genetics: abstracts from symposium on cancer and genetics in 1984. Essen, Federal Republic of Germany, June 1-3, 1984. **Clin Genet** 1985 Mar;27(3):289-350

Cooperation of oncogenes in B-cell neoplasia. Introductory remarks. Klein G. **Curr Top Microbiol Immunol** 1984;

113:1–5

Expression of chorionic gonadotropin alpha- and beta-genes in normal and neoplastic human tissues: relationship to deoxyribonucleic acid structure. Whitfield GK, et al. **Endocrinology** 1985 Jul;117(1):231–6

Family history of cancer among cancer patients. Ogawa H, et al. **Gann** 1985 Feb;76(2):113–8

Are activated proto-onc genes cancer genes? Duesberg PH, et al. **Hamatol Bluttransfus** 1985;29:9–27 (139 ref.)

Tumors induced in hairless mice by DNA from human malignant cells. Kisseljov FL, et al. **Hamatol Bluttransfus** 1985;29:314–6

Chromosome modifications and cancer. Sager R. **Harvey Lect** 1982–83;78:173–90

Fragile sites and structural rearrangements in cancer. De Braekeleer M, et al. **Hum Genet** 1985;69(2):112–6

Initial cellular targets and eventual genomic changes in multistage carcinogenesis. Weinstein IB, et al. **IARC Sci Publ** 1984;(56):277–97

Incidence of double minutes, cytogenetic equivalents of gene amplification, in human carcinoma cells. Gebhart E, et al. **Int J Cancer** 1984 Sep 15;34(3):369–73

UICC study group in basic and clinical cancer research: genomic changes and the origin of neoplasia. Sager R. **Int J Cancer** 1985 Jan 15;35(1):1–4

Oncogene expression in human tumors. Tatosyan AG, et al. **Int J Cancer** 1985 Jun 15;35(6):731–6

Sequence rearrangements and genome instability. A possible step in carcinogenesis. Choraży M. **J Cancer Res Clin Oncol** 1985;109(3):159–72 (65 ref.)

The accuracy of patient reports of a family history of cancer. Love RR, et al. **J Chronic Dis** 1985;38(4):289–93

Hypomethylation of DNA in human cancer cells: a site-specific change in the c-myc oncogene. Cheah MS, et al. **JNCI** 1984 Nov;73(5):1057–65

Partial reversion of the metastatic phenotype in a wheat germ agglutinin-resistant mutant of the murine tumor cell line MDAY-D2 selected with Bandeiraea simplicifolia seed lectin. Dennis JW. **JNCI** 1985 May;74(5):1111–20

Chromosome 1 abnormalities: a common feature of pediatric solid tumors. Douglass EC, et al. **JNCI** 1985 Jul;75(1):51–4

Anti-oncogenes. A subset of regulatory genes involved in carcinogenesis? Green AR, et al. **Lancet** 1985 Aug 31; 2(8453):475–7

T-cell-receptor beta-chain gene rearrangements [letter] Knowles DM, et al. **Lancet** 1985 Jul 20;2(8447):159–60

Amplification of cellular oncogenes in cancer cells. Alitalo K. **Med Biol** 1984;62(6):304–17 (91 ref.)

Analysis of the oncogene hypothesis. Caesar G. **Med Hypotheses** 1984 Aug;14(4):379–85

Three steps mutation model of carcinogenesis. De Braekeleer M. **Med Hypotheses** 1984 Aug;14(4):363–71

Oncogenes. A possible role for cancer genes in human malignant disease. Haber M, et al. **Med J Aust** 1985 Apr 1;142(7):402–6 (75 ref.)

Proteins encoded by the human c-myc oncogene: differential expression in neoplastic cells. Hann SR, et al. **Mol Cell Biol** 1984 Nov;4(11):2486–97

Cancer in relatives of children with central nervous system neoplasms [letter] **N Engl J Med** 1985 Feb 21;312(8):512–3

Clinical ecogenetics: cancer in families [editorial] Mulvihill JJ. **N Engl J Med** 1985 Jun 13;312(24):1569–70

No genuflection [news] **Nature** 1984 Sep 20–26;311(5983):207

Cancer cytogenetics. Sanger WG, et al. **Nebr Med J** 1984 Oct;69(10):335–7

Excess of cancer deaths in close relatives of patients with bilateral retinoblastoma. Tarkkanen A, et al. **Ophthalmologica** 1984;189(3):143–6

Differential pattern of DNA-aneuploidy in human malignancies. Büchner T, et al. **Pathol Res Pract** 1985 Jan; 179(3):310–7

Expression of the metastatic phenotype in cells transfected with human metastatic tumor DNA. Bernstein SC, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1726–30

Chromosomal radiosensitivity during the G2 cell-cycle period of skin fibroblasts from individuals with familial cancer. Parshad R, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5400–3

Identification of a single chromosome in the normal human genome essential for suppression of hamster cell transformation. Stoler A, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):570–4

Chromosomal mechanisms in neoplasia. de la Chapelle A. **Prog Clin Biol Res** 1985;177:139–52 (37 ref.)

Oncogenes in human cancers and in chemically induced animal tumors. Barbacid M. **Prog Med Virol** 1985;32:86–100 (51 ref.)

Genes and chromosomes in human cancer. Yunis JJ. **Prog Med Virol** 1985;32:58–71 (50 ref.)

Chromosome translocations and human cancer. Croce CM, et al. **Sci Am** 1985 Mar;252(3):54–60

Activated proto-onc genes: sufficient or necessary for cancer? Duesberg PH. **Science** 1985 May 10; 228(4700):669–77

Use of restriction fragment length polymorphisms to determine the clonal origin of human tumors. Vogelstein B, et al. **Science** 1985 Feb 8;227(4687):642–5

Constitutive fragile sites and cancer. Yunis JJ, et al. **Science** 1984 Dec 7;226(4679):1199–204

Isolation and genetic characterization of human KB cell lines resistant to multiple drugs. Akiyama S, et al. **Somatic Cell Mol Genet** 1985 Mar;11(2):117–26

[Chromosomes and carcinogenesis. Study on the evolution of an epithelial cell line of porcine origin] Genest P, et al. **Ann Genet (Paris)** 1985;28(1):25–31 (Eng. Abstr.) **(Fre)**

[Discussion of the technical bases of pathology associated with chromosome anomalies. Discussion of their importance and significance in tumor processes] Zachar D. **Arch Anat Cytol Pathol** 1985;33(2):116–9 **(Fre)**

[An all-inclusive genetic theory for carcinogenesis?] Philip T, et al. **J Genet Hum** 1984 Dec;32(5):313–33 (112 ref.) (Eng. Abstr.) **(Fre)**

[Individual and familial characteristics in the etiology of cancer: epidemiologic approach] Raymond L. **Soz Praventivmed** 1985;30(1):23–7 (Eng. Abstr.) **(Fre)**

[Familial cancer. 2. The S.B.L.A. syndrome: sarcoma of the breast, brain, leukemia and adrenals] Philippe P. **Union Med Can** 1985 Jun:114(6):476–80 (Eng. Abstr.) **(Fre)**

[Oncogenes and cancer chemotherapy with interferons] **Dtsch Med Wochenschr** 1985 Apr 12;110(15):610–1 **(Ger)**

[Cytogenetics of juvenile tumors] Fonatsch C. **Dtsch Med Wochenschr** 1985 Aug 16;110(33):1257–65 (42 ref.) **(Ger)**

[Philadelphia translocation and the human c-abl oncogene--relations in the light of molecular genetics] Bartram CR, et al. **Klin Padiatr** 1985 May–Jun; 197(3):196–202 (Eng. Abstr.) **(Ger)**

[The Currarino triad. An autosomal-dominant inherited complex of anorectal malformation, sacrococcygeal defect and presacral tumor. Observation of 9 further cases] Holthusen W, et al. **ROFO** 1985 Jul;143(1):83–9 (Eng. Abstr.) **(Ger)**

[Familial cancer. Initial results of an inquiry into its occurrence in Basel] Müller H, et al. **Soz Praventivmed** 1985;30(1):28–32 (Eng. Abstr.) **(Ger)**

[Familial susceptibility to malignant tumors (editorial)] Horn Y. **Harefuah** 1984 Jun 1;106(11):531–3 **(Heb)**

[Activity of Ag-NORs (nucleolar organizer regions) in lymphocytes and human neoplastic cells] Anglani F, et al. **Pathologica** 1983;75 Suppl:316–9 **(Ita)**

[Vertical transmission of cancer promoting factors] Nomura T. **Nippon Rinsho** 1984 Aug;42(8):1947–55 (11 ref.) **(Jpn)**

[Comparative analysis of oncogene expression in normal and tumorous human tissues] Nelkov AM. **Dokl Akad Nauk SSSR** 1984;276(5):1257–9 **(Rus)**

[Changes in the gene of the cellular T-antigen (p53) in human tumors] Ninkina NN, et al. **Dokl Akad Nauk SSSR** 1985; 281(4):958–60 **(Rus)**

[Current problems of oncogenetics] Ganina KP. **Eksp Onkol** 1984;6(6):19–24 (68 ref.) (Eng. Abstr.) **(Rus)**

[Chromosomes and drug resistance of tumors] Levina NV. **Eksp Onkol** 1984;6(2):14–9 (57 ref.) (Eng. Abstr.) **(Rus)**

[Present-day goals and aims of the study of DNA levels in tumor cells] Petrova AS, et al. **Eksp Onkol** 1984;6(5):16–24 (Eng. Abstr.) **(Rus)**

[New data on the role of gene mutations and chromosome aberrations in human oncogenesis] Piatkin EK. **Gematol Transfuziol** 1985 Mar;30(3):50–9 (119 ref.) **(Rus)**

[Cytogenetics of solid human tumors] Ganina KP. **Tsitol Genet** 1985 May–Jun;19(3):229–36 (78 ref.) (Eng. Abstr.) **(Rus)**

[Cytogenetics of malignant neoplasms] Pogosiants EE. **Vopr Onkol** 1985;31(8):92–101 (21 ref.) **(Rus)**

[Genetics and cancer] Benavides Aguirre G. **Rev Invest Clin** 1984 Apr–Jun;36(2):167–77 (172 ref.) **(Spa)**

HISTORY

Presidential address: Tumoribus praeter naturam. Bricker EM. **Ann Surg** 1985 Sep;202(3):265–77

The surgeon and oncology. Raven RW. **Clin Oncol** 1984 Dec; 10(4):311–8

Historical notes on cancer in married couples. Onuigbo WI. **Neth J Surg** 1984 Aug;36(4):112–5

Doctrinal deviance in New Zealand medical practice: some historical comments. Cole D. **NZ Med J** 1985 Jul 10; 98(782):541–5

[History of cancer statistics in Germany up to 1949] Panzer D, et al. **Z Arztl Fortbild (Jena)** 1985;79(1):41–4 **(Ger)**

[The role of Lev Aleksandrovich Zil'ber in the development of modern virology and cancer immunology] Abelev GI, et al. **Mol Biol (Mosk)** 1984 Nov–Dec;18(6):1697–1701 **(Rus)**

IMMUNOLOGY

Depressed lectin-dependent cell-mediated cytotoxicity against HEp-2 cells in patients with metastasizing solid tumour. Perl A, et al. **Acta Physiol Hung** 1985;65(2):149–53

Immunological surveillance of tumors in the context of major histocompatibility complex restriction of T cell function. Doherty PC, et al. **Adv Cancer Res** 1984;42:1–65 (418 ref.)

Application of migration inhibition techniques in tumor immunology. Szigeti R. **Adv Cancer Res** 1985;43:241–305 (303 ref.)

Human NK resistant tumor cell lysis is effected by IL-2 activated killer cells. Grimm EA, et al. **Adv Exp Med Biol** 1985;184:161–75

Destructive interactions between murine macrophages, tumor cells, and antibodies of the IgG2a isotype. Johnson WJ, et al. **Adv Exp Med Biol** 1985;184:75–80

Mechanism of rapid tumor lysis by human ADCC: mediation by monoclonal antibodies and fragmentation of target cell DNA. Sears DW, et al. **Adv Exp Med Biol** 1985;184:509–25

Effect of thymosin on T-lymphocyte rosette formation in Nigerian patients with different types of cancer. Olusi SO, et al. **Afr J Med Med Sci** 1984 Sep–Dec;13(3–4):103–9

Immunologic evaluation in the nutritional assessment of children with cancer. Ramirez I, et al. **Am J Clin Nutr** 1985 Jun;41(6):1314–21

Expression of a melanoma-tumor-associated antigen as demonstrated by a monoclonal antibody (D6.1) in cytopathologic preparations of human tumor cells from effusions and needle aspirates. Johnston WW, et al. **Anal Quant Cytol** 1985 Mar;7(1):72–80

Delayed hypersensitivity responses of cancer patients to recall antigens using a new 'Multitest' applicator. Reuben JM, et al. **Ann Allergy** 1984 Nov;53(5):390–4

Prostaglandins and cyclic nucleotides as effectors in non-lymphocyte mediated surveillance processes (short review). Mastacchi R, et al. **Anticancer Res** 1985 Mar–Apr; 5(2):167–70

Infection in the immunocompromised host. Leyden JJ. **Arch Dermatol** 1985 Jul;121(7):855–7

Immunosuppressive plasma factors in malignant disease. Francis DM, et al. **Aust NZ J Surg** 1985 Apr;55(2):111–20

Summary of clinical studies with the Oka live varicella vaccine produced by Smith Kline-RIT. André FE. **Biken J** 1984 Sep;27(2–3):89–98

Effect and follow-up study on varicella vaccine. Katsushima N, et al. **Biken J** 1984 Sep;27(2–3):51–8

A clinical trial of live attenuated varicella vaccine (Biken) in children with malignant diseases. Konno T, et al. **Biken J** 1984 Sep;27(2–3):73–5

Clinical observations on varicella-zoster vaccinees treated with immunosuppressants for a malignancy. Nunoue T. **Biken J** 1984 Sep;27(2–3):115–8

Live varicella vaccine: prevention of nosocomial infection and protection of high risk infants from varicella infection. Sugino H, et al. **Biken J** 1984 Sep;27(2–3):63–5

Effects of retinoids on growth and dissemination of malignant tumours: immunological considerations. Eccles SA. **Biochem Pharmacol** 1985 May 15;34(10):1599–610 (134 ref.)

A carbohydrate differentiation antigen of granulocytes, brain and many tumours. Kerr MA, et al. **Biochem Soc Trans** 1985 Apr;13(2):424–6

The role of natural killer cells in the control of tumor growth and metastasis. Hanna N. **Biochim Biophys Acta** 1985; 780(3):213–26 (110 ref.)

Monoclonal antibodies raised against NeuAc alpha 2–6neolactotetraosylceramide detect carcinoma-associated gangliosides. Nilsson O, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):577–83

Macrophages, NK-cells, NK-like cells, and tumor surveillance in man. Reizenstein P. **Biomed Pharmacother** 1985;39(1):1–3

Recovery of T cell subsets after autologous bone marrow transplantation is mainly due to proliferation of mature T cells in the graft. de Gast GC, et al. **Blood** 1985 Aug; 66(2):428–31

Heterogeneous expression of cell-surface antigens in normal epithelia and their tumours, revealed by monoclonal antibodies. Edwards PA. **Br J Cancer** 1985 Feb; 51(2):149–60 (85 ref.)

Natural immunity to tumours--theoretical predictions and biological observations [editorial] Moore M. **Br J Cancer** 1985 Aug;52(2):147–51 (16 ref.)

Correlations between leukocyte count and absolute granulocyte count in patients receiving cancer chemotherapy. Benson AB 3d, et al. **Cancer** 1985 Sep 15; 56(6):1350–5

Immune monitoring of tumor development after renal transplantation. Birkeland SA. **Cancer** 1985 Mar 1; 55(5):988–94

Ca2 and Ca3. New monoclonal antibodies evaluated as tumor markers in serous effusions. Bramwell ME, et al. **Cancer** 1985 Jul 1;56(1):105–10

Measurement of a monoclonal-antibody-defined antigen (CA19-9) in the sera of patients with malignant and nonmalignant diseases. Comparison with carcinoembryonic antigen. Gupta MK, et al. **Cancer** 1985 Jul 15;56(2):277–83

Lack of association of rheumatoid factor with either circulating immune complexes or tumor burden in cancer patients. Poskitt TR, et al. **Cancer** 1985 Apr 1;55(7):1507–9

Lymphokine-activated killer (LAK) cells. Analysis of factors relevant to the immunotherapy of human cancer. Rayner AA, et al. **Cancer** 1985 Mar 15;55(6):1327–33

Monocyte and lymphocyte interaction in patients with advanced cancer. Evidence for deficient IL-1 production. Santos LB, et al. **Cancer** 1985 Oct 1;56(7):1553–8

Monocyte antibody-dependent cellular cytotoxicity in cancer patients. De Young NJ, et al. **Cancer Immunol Immunother** 1984;18(1):54–8

DR antigens expressed on tumor cells do not contribute to the blastogenetic response of autologous T cells. Vánky F, et al. **Cancer Immunol Immunother** 1985;19(3):219–25

Reflections on tumor origin, immunogenicity, and immunotherapy. Weiss DW. **Cancer Immunol Immunother** 1984;18(1):1–4 (33 ref.)

Autologous tumor killing and natural cytotoxic activity of tumor-associated macrophages in cancer patients. Yanagawa E, et al. **Cancer Immunol Immunother** 1985; 19(3):163–7

Genetic and technical aspects of the HLA system and its possible role in human malignancy. Pollack MS. **Cancer Invest** 1984;2(5):399–411

Neoplastic cells as targets of spontaneously cytotoxic lymphocytes: studies with natural killer-like cell lines. Lagarde AE. **Cancer Metastasis Rev** 1984;3(2):143–69 (174 ref.)

First international symposium on Epstein-Barr virus and associated malignant diseases. Ablashi DV, et al. **Cancer Res** 1985 Aug;45(8):3981–4

Potentiation of human cell-mediated and humoral immunity by low-dose cyclophosphamide. Berd D, et al. **Cancer Res** 1984 Nov;44(11):5439–43

Location and distribution of difucoganglioside (VI3NeuAcV3III3Fuc2nLc6) in normal and tumor tissues defined by its monoclonal antibody FH6. Fukushi Y, et al. **Cancer Res** 1985 Aug;45(8):3711–7

Immunoperoxidase localization of a high-molecular-weight mucin recognized by monoclonal antibody 1D3. Gangopadhyay A, et al. **Cancer Res** 1985 Apr;45(4):1744–52

Sialosylated Lewisx in the sera of cancer patients detected by a cell-binding inhibition assay. Hirota M, et al. **Cancer Res** 1985 Apr;45(4):1901–5

Effects of ricin A chain conjugates of monoclonal antibodies to human alpha-fetoprotein and placental alkaline phosphatase on antigen-producing tumor cells in culture. Tsukazaki K, et al. **Cancer Res** 1985 Apr;45(4):1834–8

The human lymphokine-activated killer cell system. V. Purified recombinant interleukin 2 activates cytotoxic lymphocytes which lyse both natural killer-resistant autologous and allogeneic tumors and trinitrophenyl-modified autologous peripheral blood lymphocytes. Grimm EA, et al. **Cell Immunol** 1985 Sep;94(2):568–78

Antibody to Epstein-Barr virus specific DNase in sera of nasopharyngeal carcinoma and other nine most common cancer patients in Taiwan. Hsu MM, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Aug;17(3):131–7

Anti-HTLV antibodies in cancer patients, hemophiliacs and uremics: a preliminary report. Lynn TC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Aug;17(3):172–6

Immune complexes and human cancer. **Contemp Top Immunobiol** 1985;15:1–280

Immune complexes in patients bearing solid tumors. Cupissol D, et al. **Contemp Top Immunobiol** 1985;15:139–46

Blocking (suppressor) factors, immune complexes, and extracorporeal immunoadsorption in tumor immunity. Hellström KE, et al. **Contemp Top Immunobiol** 1985;15:213–38 (152 ref.)

The pathophysiology of circulating immune complexes: their role in host-tumor interactions and removal by immunoadsorption therapy. Phillips TM, et al. **Contemp Top Immunobiol** 1985;15:111–37 (116 ref.)

Immunosuppressor control as a modality of cancer treatment: effect of plasma adsorption with Staphylococcus aureus protein A. Ray PK. **Contemp Top Immunobiol** 1985;15:147–211 (264 ref.)

Clinical relevance of immune complexes, associated antigen, and antibody in cancer. Salinas FA, et al. **Contemp Top Immunobiol** 1985;15:55–109 (218 ref.)

CEA-related antigens: molecular biology and clinical significance. Shively JE, et al. **CRC Crit Rev Oncol Hematol** 1985;2(4):355–99 (357 ref.)

Leukocyte subset analysis and related immunological findings in acquired immunodeficiency disease syndrome (AIDS) and malignancies. Hersh EM, et al. **Diagn Immunol** 1983;1(3):168–73

Monoclonal antibodies to endogenous galactose-specific tumor cell lectins. Raz A, et al. **EMBO J** 1984 Dec 1;3(12):2979–83

Human monoclonal antibodies: new approaches and perspectives in cancer. Bron D, et al. **Eur J Cancer Clin Oncol** 1985 Mar;21(3):283–5

Monoclonal antibodies and human tumours: pathological and clinical aspects. Neville AM, et al. **Eur J Cancer Clin Oncol** 1985 Mar;21(3):355–69

The capacity of antigen-presenting cells is fully preserved in childhood cancer patients. Koide Y, et al. **Gann** 1984 Dec;75(12):1108–15

Expression of DR antigens in freshly frozen human tumors. Thompson JJ, et al. **Hybridoma** 1982;1(2):161–8

Detection of impaired mitogen responses in autologous whole blood of cancer patients using an optimized method of lymphocyte stimulation. Fritze D, et al. **Immunol Lett** 1984;8(5):243–7

Natural cytotoxicity of human blood monocytes: production of monocyte cytotoxic factors (MCF) during interaction with tumor cells. Uchida A, et al. **Immunol Lett** 1984;8(6):311–6

Serum immunoglobulins in malignancy. Agrawal BR, et al. **Indian J Cancer** 1984 Sep–Oct;21(4):113–8

Serum blocking factors in carcinoma. Gupta SC, et al. **Indian J Cancer** 1984 Mar–Apr;21(1):11–3

Enhancement of immune responses in tumor-bearing mice after administration of cis-diamino-dichloro-platinum (II). Andrade Mena CE, et al. **Int Arch Allergy Appl Immunol** 1985;76(4):341–3

Epitopes immunologically related to glycophorin A on human malignant and non-malignant cells in culture. Barsoum AL, et al. **Int J Cancer** 1984 Dec 15;34(6):789–95

Selecting, accelerating and suppressing interactions between macrophages and tumor cells. De Baetselier P, et al. **Invasion Metastasis** 1985;5(2):106–24

Effect of combination chemotherapy on PGE-mediated immunoregulation in the peripheral blood mononuclear cells of solid tumor cancer patients. Braun DP, et al. **J Biol Response Mod** 1984 Aug;3(4):391–6

Abnormal indomethacin-sensitive suppression in peripheral blood mononuclear cells of cancer patients restricts augmentation by interleukin-2. Braun DP, et al. **J Biol Response Mod** 1984 Oct;3(5):533–40

Monoclonal antibodies and the biological approach to cancer. Carter PW. **J Biol Response Mod** 1985 Aug;4(4):325–39

Effects of tumor status on the regulation of natural killer cell activity by tumor-associated fetal antigens. Hogan KT, et al. **J Biol Response Mod** 1985 Aug;4(4):353–7

Biochemical purification of tumoricidal factors obtained from human plasma. Cameron DJ. **J Clin Lab Immunol** 1985 Jan;16(1):7–11

Immunogenicity of hepatitis B vaccine in oncology patients receiving chemotherapy. Weitberg AB, et al. **J Clin Oncol** 1985 May;3(5):718–22

A model for the differentiation of human natural killer cells. Studies on the in vitro activation of Leu-11+ granular lymphocytes with a natural killer-sensitive tumor cell, K562. Phillips JH, et al. **J Exp Med** 1985 Jun 1;161(6):1464–82

Complement and its fractions (C3–C4) pattern in subjects with neoplasia. Mangano A, et al. **J Immunopharmacol** 1984;6(3):147–62

The current status of human monocyte-mediated cytotoxicity against tumor cells. Koren HS, et al. **J Leukocyte Biol** 1985 Sep;38(3):441–5

Stochastic models of tumor growth and the probability of elimination by cytotoxic cells. Merrill SJ. **J Math Biol** 1984;20(3):305–20

Tumour immunology: a review. Lachmann PJ. **J R Soc Med** 1984 Dec;77(12):1023–9 (23 ref.)

Suppression of murine immunologic functions by fresh and cultured human tumor extracts. Davidson DD, et al. **J Surg Res** 1985 Mar;38(3):289–97

Tumor escape from immune elimination: simplified precursor bound cytotoxicity models. De Boer RJ, et al. **J Theor Biol** 1985 Apr 21;113(4):719–36

Human monoclonal antibodies in experimental cancer research. Olsson L. **JNCI** 1985 Sep;75(3):397–403

Mouse monoclonal antibody to embryonic antigen: development, cross-reactivity with rodent and human tumors, and preliminary polypeptide characterization. Payne WJ Jr, et al. **JNCI** 1985 Sep;75(3):527–44

Natural killer cell activity and autologous tumor killing activity in cancer patients: overlapping involvement of effector cells as determined in two-target conjugate cytotoxicity assay. Uchida A, et al. **JNCI** 1984 Nov;73(5):1093–100

Immunohistochemical detection of the Ca antigen in normal and tumor tissues of humans by use of Ca1 monoclonal antibody. Woodhouse CS, et al. **JNCI** 1985 Feb;74(2):383–9

Host defense mechanisms against cancer. Urushizaki I. **Jpn J Med** 1985 May;24(2):194–6

Fever, interleukin-1 and host defense against malignancy. Dinarello CA, et al. **Lymphokine Res** 1982;1(3):59–67

An introduction to tumour immunology. Keith J. **Mater Med Pol** 1984 Jan–Mar;16(1):54–64 (15 ref.)

An introduction to tumour immunology. Keith J. **Mater Med Pol** 1984 Jan–Mar;16(1):54–64

Immune complexes in cancer and preneoplastic diseases. Shafir M. **Mt Sinai J Med (NY)** 1985 Mar;52(3):201–4

What's new in macrophage-tumor cell interaction? Kopper L, et al. **Pathol Res Pract** 1985 May;179(6):652–5 (47 ref.)

Quantification of soluble E-receptor in the serum of patients with various diseases and its accompanying in vitro immunosuppression in neoplasia. Oh SK, et al. **Scand J Immunol** 1985 Jul;22(1):51–60

Human tumor-infiltrating lymphocytes: a marker of host response. Vose BM, et al. **Semin Hematol** 1985 Jan;22(1):27–40 (119 ref.)

Failure of cimetidine as an immunomodulator in cancer patients and normal subjects. Maguire LC, et al. **South Med J** 1985 Sep;78(9):1078–80

Tumor resistance. Proceedings of an international symposium. Holte, Denmark, September 13–14, 1980. **Tokai J Exp Clin Med** 1983 Dec;8(5–6):385–548

Specific and non-specific responses in host resistance to tumors. Baldwin RW. **Tokai J Exp Clin Med** 1983 Dec;8(5–6):419–28 (25 ref.)

Interpretation of lymphocytotoxicity assays and the demonstration of auto-tumor reactive lymphocytes in patients: central issues of present day tumor immunology. Klein E. **Tokai J Exp Clin Med** 1983 Dec;8(5–6):385–98 (61 ref.)

[The immune system and tissue proliferation, fetal tolerance and tumor growth] Bukovský A, et al. **Cesk Gynekol** 1984 Sep;49(8):584–99 (57 ref.) **(Cze)**

[Preliminary results of the clinical use of TPA (tissue polypeptide antigen)] Dalla Pria AF, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2–3):301–13 **(Ita)**

[Tumor immunology: difficult routes through myths, epiphenomena and frustrations] Cavallo G. **G Batteriol Virol Immunol** 1983 Jul–Dec;76(7–12):167–72 **(Ita)**

[Effect of nutritional support by parenteral route on the immune state of the geriatric cancer patient] Selvaggi F, et al. **Minerva Med** 1984 Sep 15;75(35):1985–8 **(Ita)**

[Case-control study of the presence of anti-toxoplasma antibodies in patients with hemolymphopathies and malignant neoplasms] Giardina MG, et al. **Nuovi Ann Ig Microbiol** 1983 Jul–Aug;34(4):311–5 (Eng. Abstr.) **(Ita)**

[Basic and clinical studies on serum CEA levels using a new CEA-EIA (double monoclonal) kit] Ogoshi K, et al. **Gan No Rinsho** 1984 Dec;30(15):1913–8 (Eng. Abstr.) **(Jpn)**

[Serum levels and clinical evaluation of CA 19–9 in various diseases] Toyama K, et al. **Gan No Rinsho** 1985 Mar;31(3):293–8 (Eng. Abstr.) **(Jpn)**

[Non-specific killer cells in tumor immune response] Kumagai K. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):726–33 (Eng. Abstr.) **(Jpn)**

[Clinical studies on the reaction of the skin to various doses of Su-polysaccharide in cancer patients] Sato M, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):245–9 (Eng. Abstr.) **(Jpn)**

[Clinical study of immunosuppressives in cancer patients] Tanada M. **Nippon Geka Gakkai Zasshi** 1985 May;86(5):514–26 (Eng. Abstr.) **(Jpn)**

[Relations of tumor-specific cytotoxicity to nonspecific immunological parameters and to clinical course in various surgical cancer patients] Yamamoto S, et al. **Nippon Geka Gakkai Zasshi** 1985 Mar;86(3):251–7 (Eng. Abstr.) **(Jpn)**

[Immunologic capacity of tumour patients. I. Leukocyte migration inhibition with ppD in patients at different tumour stages] Makidono R, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Feb 25;45(2):403–6 (Eng. Abstr.) **(Jpn)**

[Symposium on mechanisms of host defense from fundamental and clinical medicine. 7. Host defense mechanisms against cancer] Urushizaki I. **Nippon Naika Gakkai Zasshi** 1984 Dec;73(12):1773–8 **(Jpn)**

[Isolation of factors responsible for the immunosuppression found in tumor-bearing animals] Ishida N. **Yakugaku Zasshi** 1985 Feb;105(2):91–108 (28 ref.) (Eng. Abstr.) **(Jpn)**

[Possible approaches to the study of the immunological status of cancer patients and healthy people] Montsevichiute-Eringene EV. **Eksp Onkol** 1984;6(2):8–14 (53 ref.) (Eng. Abstr.) **(Rus)**

[Serum CA 1,25 in patients with non-ovarian tumors. Evidence of a relation between the increase of the antigen and hepatic disease (letter)] Ruibal A, et al. **Med Clin (Barc)** 1985 Mar 9;84(9):376–7 **(Spa)**

[Treatment of infection in patients with malignant diseases] Lumio J. **Nord Med** 1985;100(2):37–40 (Eng. Abstr.) **(Swe)**

METABOLISM

Somatostatin-producing tumors. Berelowitz M. **Adv Exp Med Biol** 1985;188:475–87

Changes in tumor tissue oxygenation during microwave hyperthermia: clinical relevance. Bicher HI, et al. **Adv Exp Med Biol** 1984;180:901–5

Cancer and malnutrition––a critical interaction: a review. Balducci L, et al. **Am J Hematol** 1985 Jan;18(1):91–103 (92 ref.)

Prostanoids and cancer. Bennett A. **Ann Clin Res** 1984;16(5–6):314–7 (9 ref.)

The role of oxygen radicals as a possible mechanism of tumor promotion. Troll W, et al. **Annu Rev Pharmacol Toxicol** 1985;25:509–28 (125 ref.)

Altered methionine metabolism and transmethylation in cancer. Hoffman RM. **Anticancer Res** 1985 Jan–Feb;5(1):1–30 (402 ref.)

Clinical pharmacokinetics of aztreonam in cancer patients. Jones PG, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):455–61

Characterisation of rat tumour cell hybrids: procoagulant and fibrinolytic activities. Badenoch-Jones P, et al. **Aust J Exp Biol Med Sci** 1985 Feb;63 (Pt 1):91–8

A comparison of the expression of the DIDS-binding proteins from normal and tumorigenic human cells. Banyard MR. **Br J Cancer** 1984 Dec;50(6):809–14

The pharmacokinetics of high dose metoclopramide in patients with neoplastic disease. Bryson SM, et al. **Br J Clin Pharmacol** 1985 Jun;19(6):757–66

Oral morphine in cancer patients: in vivo kinetics and in vitro hepatic glucuronidation. Säwe J, et al. **Br J Clin Pharmacol** 1985 Apr;19(4):495–501

Plasma and urine cyclic nucleotide levels in patients with neoplastic diseases. Peracchi M, et al. **Cancer** 1984 Dec 15;54(12):3028–34

Medroxyprogesterone acetate bioavailability after high-dose intraperitoneal administration in advanced cancer. Camaggi CM, et al. **Cancer Chemother Pharmacol** 1985;14(3):232–4

Effects of amino acids on the transport and cytotoxicity of melphalan by human bone marrow cells and human tumor cells. Dufour M, et al. **Cancer Chemother Pharmacol** 1985;15(2):125–31

In vivo distribution studies of radioactively labelled platinum complexes; cis-dichlorodiammine platinum(II), cis-trans-dichlorodihydroxy-bis-(isopropylamine) platinum(IV), cis-dichloro-bis-cyclopropylamine platinum(II), and cis-diammine 1,1-cyclobutanedicarboxylate platinum(II) in patients with malignant disease, using a gamma camera. Owens SE, et al. **Cancer Chemother Pharmacol** 1985;14(3):253-7

Disposition of mitoxantrone in cancer patients. Alberts DS, et al. **Cancer Res** 1985 Apr;45(4):1879-84

Collagen synthesis by short-term explants of pediatric tumors. DeClerck YA, et al. **Cancer Res** 1985 Mar; 45(3):1229-38

Reduced drug accumulation in multiply drug-resistant human KB carcinoma cell lines. Fojo A, et al. **Cancer Res** 1985 Jul;45(7):3002-7

Aberrant glycosylation in cancer cell membranes as focused on glycolipids: overview and perspectives. Hakomori S. **Cancer Res** 1985 Jun;45(6):2405-14 (121 ref.)

Similar differential for total polyglutamylation and cytotoxicity among various folate analogues in human and murine tumor cells in vitro. Samuels LL, et al. **Cancer Res** 1985 Apr;45(4):1488-95

Obligate genetic expression in tumor cells of a fetal membrane property mediating 'folate' transport: biological significance and implications for improved therapy of human cancer. Sirotnak FM. **Cancer Res** 1985 Sep; 45(9):3992-4000 (90 ref.)

Cellular pharmacokinetics of mercaptopurine in human neoplastic cells and cell lines. Zimm S, et al. **Cancer Res** 1985 Sep;45(9):4156-61

Specific DNA repair mechanisms may protect some human tumor cells from DNA interstrand crosslinking by chloroethylnitrosoureas but not from crosslinking by other anti-tumor alkylating agents. Gibson NW, et al. **Carcinogenesis** 1985 Mar;6(3):445-50

The effect of high dose medroxyprogesterone acetate on water and salt metabolism in advanced cancer patients. Lelli G, et al. **Chemioterapia** 1984 Oct;3(5):327-9

Heterogeneity of calcitonin in patients with neoplasia [letter] Babé M, et al. **Clin Chem** 1985 May;31(5):786

Variation in morphine pharmacokinetics in children with cancer. Nahata MC, et al. **Dev Pharmacol Ther** 1985; 8(3):182-8

Abnormal cellular DNA content as a marker of neoplasia. Barlogie B. **Eur J Cancer Clin Oncol** 1984 Sep;20(9):1123-5

Tumor markers: how useful are they? McIntire KR. **Hosp Pract [Off]** 1984 Dec;19(12):55-68

The concentration of 5-phosphoribosyl 1-pyrophosphate in monolayer tumor cells and the effect of various pyrimidine antimetabolites. Peters GJ, et al. **Int J Biochem** 1985; 17(1):95-9

The clinical testing of Ro 03-8799--pharmacokinetics, toxicology, tissue and tumor concentrations. Saunders MI, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1759-63

A phase I clinical study of Nimorazole as a hypoxic radiosensitizer. Timothy AR, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1765-8

Distribution of immunoreactive growth hormone-releasing hormone in the human brain and intestine and its production by tumors. Christofides ND, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):747-51

Characteristics of a specific radioimmunoassay for measurement of ferritin on the surface of peripheral mononuclear white blood cells in cancer patients. Bluestein BI, et al. **J Immunoassay** 1984;5(3-4):159-82

Penetration of VP-16 (etoposide) into human intracerebral and extracerebral tumors. Stewart DJ, et al. **J Neurooncol** 1984;2(2):133-9

Pharmacokinetics of an indium-111-labeled monoclonal antibody in cancer patients. Hnatowich DJ, et al. **J Nucl Med** 1985 Aug;26(8):849-58

Changes in cellular lipid synthesis of normal and neoplastic cells during cytolysis induced by alkyl lysophospholipid analogues. Herrmann DB. **JNCI** 1985 Sep;75(3):423-30

Inhibition of human tumor cell-associated fibrinolysis by vascular bovine smooth muscle cells. Laug WE. **JNCI** 1985 Aug;75(2):345-52

Human tumor cells in culture stimulate glycosaminoglycan synthesis by human skin fibroblasts. Merrilees MJ, et al. **Lab Invest** 1985 Jul;53(1):30-6

Cachectin [editorial] **Lancet** 1985 Aug 10;2(8450):312-3

Whole-body tyrosine flux in relation to energy expenditure in weight-losing cancer patients. Edén E, et al. **Metabolism** 1984 Nov;33(11):1020-7

Growth factors, cell proliferation and cancer: an overview. Rozengurt E. **Mol Biol Med** 1983 Jul;1(1):169-81

Oncologic emergencies I. Metabolic and space-occupying consequences of cancer and cancer treatment. Allegretta GJ, et al. **Pediatr Clin North Am** 1985 Jun;32(3):601-11

Multiply drug-resistant human KB carcinoma cells have decreased amounts of a 75-kDa and a 72-kDa glycoprotein. Richert N, et al. **Proc Natl Acad Sci USA** 1985 Apr; 82(8):2330-3

Uptake and localization of HPD and 'active fraction' in tissue culture and in serially biopsied human tumors. Berns MW, et al. **Prog Clin Biol Res** 1984;170:501-20

Profiles of oxygen partial pressure and oxygen consumption inside multicellular spheroids. Grossmann U. **Recent Results Cancer Res** 1984;95:150-61

Transition metals in human cancer II. Ranade SS, et al. **Sci Total Environ** 1984 Dec;40:245-57

Clinical pharmacology of daunorubicin in phase I patients with solid tumors: development of an analytical methodology for daunorubicin and its metabolites. Rahman A, et al. **Semin Oncol** 1984 Dec;11(4 Suppl 3):36-44

Control of protein degradation and growth phase in normal and neoplastic cells. Baccino FM, et al. **Toxicol Pathol** 1984;12(3):281-7

[Prostaglandins and cancer] Ylikorkala O. **Duodecim** 1984; 100(16):1049-55 **(Fin)**

[Are chorionic gonadotropin (HCG) and its alpha and beta subunits useful markers in non-trophoblastic tumors?] Franchimont P, et al. **Ann Endocrinol (Paris)** 1984; 45(4-5):235-41 (Eng. Abstr.) **(Fre)**

[Concentrations of carcinoembryonic antigen and ferritin in pleural and ascitic effusion of various origins (letter)] Stabellini G, et al. **Gastroenterol Clin Biol** 1985 Jun-Jul; 9(6-7):543-5 **(Fre)**

[Biological markers of cancer] Bouvier M, et al. **Rev Rhum Mal Osteoartic** 1984 Dec 15;51(11):607-20 (71 ref.) **(Fre)**

[Tumoral hypercalcemia: physiopathology and treatment] Rizzoli R, et al. **Schweiz Med Wochenschr** 1985 Mar 9; 115(10):326-32 (40 ref.) (Eng. Abstr.) **(Fre)**

[Small intestinal absorption in cancer patients--basis for enteral feeding therapy in oncology] Weiner R, et al. **Z Ernahrungswiss** 1984 Sep;23(3):157-70 (Eng. Abstr.) **(Ger)**

[Pharmacokinetics of fluoropyrimidines] Fujita H. **Gan To Kagaku Ryoho** 1984 Nov;11(11):2307-15 (Eng. Abstr.) **(Jpn)**

[An in vitro sensitivity assay of anti-cancer agents by measuring the inhibition rate of DNA synthesis (3H-thymidine uptake) of cancer cells--clinical study] Nio Y, et al. **Nippon Geka Gakkai Zasshi** 1985 Jan;86(1):8-22 (Eng. Abstr.) **(Jpn)**

[Cancer-associated metabolic change of glycolipid--glycolipid antigens to human cancer-associated monoclonal antibodies] Makita A. **Tanpakushitsu Kakusan Koso** 1985 Mar;30(3):169-83 (96 ref.) **(Jpn)**

[The effect of preparations of microbial glutamin(asparagin)ase on cultured tumor cells] Pekhov AA, et al. **Eksp Onkol** 1984;6(1):55-7 (Eng. Abstr.) **(Rus)**

[Various aspects of the biological role of polyamines in normal and malignant growth] Zaletok SP, et al. **Eksp Onkol** 1984;6(4):10-7 (62 ref.) (Eng. Abstr.) **(Rus)**

[Antineoplastic agents as initiators of lipid peroxidation] Pal'mina NP, et al. **Vestn Akad Med Nauk SSSR** 1985; (1):85-91 (116 ref.) **(Rus)**

[Change in zinc metabolism in malignant neoplasms] Karlinskiĭ VM, et al. **Vopr Onkol** 1985;31(2):25-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Oncogene research: closing in on a better understanding of cancer causation. Tronick SR, et al. **Ann NY Acad Sci** 1984; 437:150-60 (65 ref.)

In vitro activity of WIN 49375 compared with those of other antibiotics in isolates from cancer patients. Garcia I, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):421-3

Effect of aztreonam on throat and stool flora of cancer patients. Jones PG, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):941-3

Retroviral oncogenes and human neoplasia. Reddy EP. **Basic Life Sci** 1985;33:153-68

Microbial chromophore materials in circulating blood identified by laser micro Raman spectroscopy. Plouvier SR, et al. **Biorheology** 1984;Suppl 1:345-7

Association of Pseudomonas maltophilia with malignant lesions. Nagai T. **J Clin Microbiol** 1984 Nov;20(5):1003-5

Pneumocystis carinii antigenemia in adults with malignancy, infection, or pulmonary disease. Pifer LL, et al. **J Clin Microbiol** 1984 Nov;20(5):887-90

Germfree animal as a tool to study role of gut microflora and nutrition in cancer. Reddy BS, et al. **Prog Clin Biol Res** 1985;181:293-6

[Oncogens and cancer. Review and a new method for measuring the gene expression in relation to the cell cycle] Andreeff M, et al. **Dtsch Med Wochenschr** 1985 Jan 4; 110(1):30-5 **(Ger)**

[Isolation of yeast-like fungi from patients with malignant neoplasms] Agarunova IuS, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):63-7 (Eng. Abstr.) **(Rus)**

[Association of retrovirus D with human malignant neoplasms] Pavliuchenkova RP, et al. **Vopr Virusol** 1984 Sep-Oct;29(5):593-6 (Eng. Abstr.) **(Rus)**

MORTALITY

Growth of long term survivors of childhood malignancy. Herber SM, et al. **Acta Paediatr Scand** 1985 May; 74(3):438-41

Cancer mortality and solvent exposures in the rubber industry. Wilcosky TC, et al. **Am Ind Hyg Assoc J** 1984 Dec;45(12):809-11

Increased green and yellow vegetable intake and lowered cancer deaths in an elderly population. Colditz GA, et al. **Am J Clin Nutr** 1985 Jan;41(1):32-6

An investigation of bias in a study of nuclear shipyard workers. Greenberg ER, et al. **Am J Epidemiol** 1985 Feb; 121(2):301-8

Serum cholesterol and cancer mortality in the Seven Countries Study. Keys A, et al. **Am J Epidemiol** 1985 Jun; 121(6):870-83

Mortality among rubber workers: X. Reclaim workers. Delzell E, et al. **Am J Ind Med** 1985;7(4):307-13

A proportional mortality study of the acting profession. Depue RH, et al. **Am J Ind Med** 1985;8(1):57-66

Patterns of site-specific displacement in cancer mortality among migrants: the Chinese in the United States. King H, et al. **Am J Public Health** 1985 Mar;75(3):237-42

Congenital malformations, mortality and styrene exposure. Härkönen H, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):404-7

Cancer and birth defects near the Drake Superfund site, Pennsylvania. Budnick LD, et al. **Arch Environ Health** 1984 Nov-Dec;39(6):409-13

The role of air pollution and other factors in local variations in general mortality and cancer mortality. Jacobson BS. **Arch Environ Health** 1984 Jul-Aug;39(4):306-13

Is it possible to overcome completely the problem of the poor quality of cancer mortality data? [letter] Randovanović Z. **Arch Geschwulstforsch** 1985; 55(4):299-300

Comparison of cancer mortality among regions with different quality of data [letter] Vlajinac H, et al. **Arch Geschwulstforsch** 1984;54(6):510

Estimation of cancer mortality rates: a Bayesian analysis of small frequencies. Tsutakawa RK. **Biometrics** 1985 Mar; 41(1):69-79

Cancer mortality in small areas around nuclear facilities in England and Wales. Baron JA. **Br J Cancer** 1984 Dec; 50(6):815-24

Mortality of workers in a French asbestos cement factory 1940-82. Alies-Patin AM, et al. **Br J Ind Med** 1985 Apr; 42(4):219-25

Mortality and incidence of cancer of workers in the man made vitreous fibres producing industry: an international investigation at 13 European plants. Saracci R, et al. **Br J Ind Med** 1984 Nov;41(4):425-36

Mortality pattern in a glass producing area in SE Sweden. Wingren G, et al. **Br J Ind Med** 1985 Jun;42(6):411-4

Mapping cancer mortality in England and Wales. Gardner MJ. **Br Med Bull** 1984 Oct;40(4):320-8 (87 ref.)

Survival of cancer patients by economic status in a free care setting. Keirn W, et al. **Cancer** 1985 Apr 1;55(7):1552-5

Ambient air concentration of asbestos fibres, dust content and mortality: the case of Asbestos, Quebec. Singh B, et al. **Ecol Dis** 1983;2(4):343-51

Specifying morphological factors affecting rates of death due to malignant neoplasms. Waddell CE, et al. **Ecol Dis** 1982; 1(4):237-41

U.S. cancer mortality 1950-1978: a strategy for analyzing spatial and temporal patterns. Manton KG, et al. **Environ Health Perspect** 1985 May;60:369-80

Cancer in Hawaiians--compared with other races in Hawaii, 1978-1982. Burch TA. **Hawaii Med J** 1984 Oct; 43(10):350-2

Increasing the odds for cancer survival. White JK. **Health Aff (Millwood)** 1984 Fall;3(3):121-6

Mortality patterns among nickel/chromium alloy foundry workers. Cornell RG, et al. **IARC Sci Publ** 1984;(53):87-93

Mortality patterns among stainless-steel workers. Cornell RG. **IARC Sci Publ** 1984;(53):65-71

A retrospective cohort mortality study among workers occupationally exposed to metallic nickel powder at the Oak Ridge Gaseous Diffusion Plant. Cragle DL, et al. **IARC Sci Publ** 1984;(53):57-63

Site-specific cancer mortality among workers involved in the production of high nickel alloys. Redmond CK. **IARC Sci Publ** 1984;(53):73-86

Cancer mortality associated with the high-temperature oxidation of nickel subsulfide. Roberts RS, et al. **IARC Sci Publ** 1984;(53):23-35

A mortality study of Falconbridge workers. Shannon HS, et al. **IARC Sci Publ** 1984;(53):117-24

Drinking water source and mortality in US cities. Morin MM, et al. **Int J Epidemiol** 1985 Jun;14(2):254-64

The impact of competing risks on relative risks in occupational cohort studies. Tsai SP, et al. **Int J Epidemiol** 1984 Dec;13(4):518-25

Smoking-related cancers and potential years of life lost attributable to cigarette smoking, Ireland, 1968 to 1978. Haslett D. **Ir J Med Sci** 1984 Sep;153(9):302-9

Referral and survival of patients accepted by a terminal care support team. Evans C, et al. **J Epidemiol Community Health** 1984 Dec;38(4):310-4

The mortality of Ontario undertakers and a review of formaldehyde-related mortality studies. Levine RJ, et al. **J Occup Med** 1984 Oct;26(10):740-6

Leads from the MMWR. Cancer patient survival by racial-ethnic group--United States, 1973 to 1979. **JAMA** 1985 Jun 7;253(21):3069

Leads from the MMWR. Cancer mortality--Tennessee, 1960 to 1980. **JAMA** 1984 Nov 23-30;252(20):2805-6

Childhood cancer mortality [letter] Sagan LA. **JAMA** 1985 Jan 18;253(3):347

Cancer, vitamins, and plasma lipids: prospective Basel study. Stähelin HB, et al. **JNCI** 1984 Dec;73(6):1463-8

Cancer statistics in Maryland and the United States. Young JL Jr, et al. **Md Med J** 1985 Jan;34(1):72-6

Survival of patients with cancer. Armstrong BK. **Med J Aust** 1984 Nov 24;141(11):698-9

Epidemiology of cancer in Australia. Armstrong BK. **Med J Aust** 1985 Jan 21;142(2):124-30

Cancer progress. Are the statistics telling the truth? Boffey PM. **Med J Aust** 1984 Nov 24;141(11):743-5

Cancer patient survival by racial/ethnic group—United States, 1973-1979. **MMWR** 1985 May 10;34(18):248-50, 255

Cancer mortality—Tennessee, 1960-1980. **MMWR** 1984 Oct 19;33(41):577-9

Psychosocial correlates of survival in advanced malignant disease? Cassileth BR, et al. **N Engl J Med** 1985 Jun 13; 312(24):1551-5

The Will Rogers phenomenon. Stage migration and new diagnostic techniques as a source of misleading statistics for survival in cancer. Feinstein AR, et al. **N Engl J Med** 1985 Jun 20;312(25):1604-8

How to reduce mortality? [news] **Nature** 1984 Sep 20-26; 311(5983):208

Cancer mortality: US half-rate goal in dispute [news] Beardsley T. **Nature** 1984 Nov 1-7;312(5989):6

Cancer mortality in nonsmoking women with smoking husbands based on a large-scale cohort study in Japan. Hirayama T. **Prev Med** 1984 Nov;13(6):680-90

Continuous epidemiological mapping—a needed public health watchdog. Lloyd OL, et al. **Public Health** 1984 Nov; 98(6):321-6

The accuracy of medical certifications of cancer deaths and of cancer diagnosis in the municipal area of Barcelona in 1979. Bosch FX, et al. **Rev Esp Oncol** 1983;30(1):17-24

Patterns of cancer mortality in South Africa [letter] Bradshaw E, et al. **S Afr Med J** 1985 Jul 20;68(2):70-2

Comparison and ranking of cancer mortality rates in the various populations of the RSA in 1970. Wyndham CH. **S Afr Med J** 1985 Apr 13;67(15):584-7

A comparison of mortality rates from cancer in white, Indian and coloured adults in 1970 and 1980. Wyndham CH. **S Afr Med J** 1985 May 4;67(18):709-11

Mortality of English furniture makers. Acheson ED, et al. **Scand J Work Environ Health** 1984 Aug;10(4):211-7

Cancer mortality among workers in a thermoelectric power plant. Cammarano G, et al. **Scand J Work Environ Health** 1984 Aug;10(4):259-61

Results on life prolongation by cancer chemotherapy: comparison of the results of two surveys carried out seven years apart. Saito T, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1984 Oct;31(1-4):42-8

A note on the reduction of a risk of death. Tsai SP, et al. **Soc Biol** 1983 Summer;30(2):228-33

Temporal trends of cancer mortality in eastern New England compared to the nation, 1950-1975. Anderson RF. **Soc Sci Med** 1984;19(7):749-57

A Wilcoxon-type test for trend. Cuzick J. **Stat Med** 1985 Jan-Mar;4(1):87-90

Empirical Bayes estimation of cancer mortality rates. Tsutakawa RK, et al. **Stat Med** 1985 Apr-Jun;4(2):201-12

Cancer in Texas—epidemiologic considerations. Guinee VF. **Tex Med** 1985 Apr;81(4):48-9

Cancer mortality in Italy, 1955-78. Decarli A, et al. **Tumori** 1984 Dec 31;70 Suppl:581-742 **(Eng, Ita)**

Analysis of trends in cancer mortality in Italy 1951-1978; the effects of age, period of birth, and period of death. Geddes M, et al. **Tumori** 1985 Apr 30;71(2):101-10

Trends in childhood cancer mortality in Italy, 1955-78. La Vecchia C, et al. **Tumori** 1985 Apr 30;71(2):111-7

Trends in cancer mortality in Italy, 1955-1978. La Vecchia C, et al. **Tumori** 1985 Jun 30;71(3):201-18

Cancer in West Virginia: how do we stand? Pearson RJ, et al. **W Va Med J** 1984 Nov;80(11):244-7

Childhood cancer mortality: international comparisons 1955-1974. West R. **World Health Stat Q** 1984;37(1):98-127 **(Eng, Fre)**

[The effect of serious diseases on the average life span of the population in Czechoslovakia] Strnad L, et al. **Cesk Zdrav** 1985 Jan;33(1):1-8 (Eng. Abstr.) **(Cze)**

[Causes of death of pathologists—the possible effect of formaldehyde] Brunner P, et al. **Pathologe** 1985 Jan; 6(1):43-5 **(Ger)**

[Cancer and age or: Cancer as a finite urn model] Höpker WW. **Z Gerontol** 1985 May-Jun;18(3):134-43 (Eng. Abstr.) **(Ger)**

[Cancer mortality in smaller regions with different structures and conditions of air quality] Möse JR, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Aug; 179(4):281-99 (Eng. Abstr.) **(Ger)**

[Mortality from tumors in a factory producing glass fibers] Bertazzi PA, et al. **Med Lav** 1984 Sep-Oct;75(5):339-58 (Eng. Abstr.) **(Ita)**

[Regulation on the calculation of mortality rate (draft). Japanese Society of Cancer Therapy, November, 1983] **Nippon Gan Chiryo Gakkai Shi** 1984 Feb 20;19(1):137-62 **(Jpn)**

[Statistical analysis on the postoperative survivals of cancer patients in the treatment of SSM (an extract from human tubercle bacilli, so called Maruyama vaccine)] Iida K, et al. **Nippon Ika Daigaku Zasshi** 1985 Feb;52(1):89-94 **(Jpn)**

[Observations on mortality in selected working populations] Nakamura K, et al. **Sangyo Igaku** 1984 Jul;26(4):303-14 (Eng. Abstr.) **(Jpn)**

[Prognosis in cancer cases (letter)] **Tidsskr Nor Laegeforen** 1984 Aug 20;104(23):1574-5 **(Nor)**

[Smoking and risk of death among aged men in Norway] Zeiner-Henriksen T, et al. **Tidsskr Nor Laegeforen** 1985 Feb 20;105(5):353-7 (Eng. Abstr.) **(Nor)**

[Analysis of mortality in Plock 1981-1982] Krzyżanowski M, et al. **Przegl Epidemiol** 1984;38(3):301-5 (Eng. Abstr.) **(Pol)**

[Calculation of the index of relative survival and the median of observed survival in oncological patients] Berezkin DP. **Vopr Onkol** 1985;31(2):13-6 **(Rus)**

[Estimation of the statistical significance of survival rates in cancer patients] Berezkin DP, et al. **Vopr Onkol** 1985; 31(4):12-5 **(Rus)**

[Comparison of the tabular survival indices of 2 prognostically heterogeneous patient groups] Dvolrin VV. **Vopr Onkol** 1985;31(6):12-7 **(Rus)**

[Comparison of table survival statistics calculated for two groups of patients] Dvolrin VV. **Vopr Onkol** 1984; 30(11):10-7 **(Rus)**

[Non-parametric analysis of the survival of cancer patients. Review of methods] Kadyrova NO, et al. **Vopr Onkol** 1984; 30(8):35-48 (52 ref.) (Eng. Abstr.) **(Rus)**

NURSING

Demystifying care of patients with radioactive implants. Hassey K. **Am J Nurs** 1985 Jul;85(7):788-92

Terminal care for children dying of cancer: quantity and quality of life. Kohler JA, et al. **Br Med J [Clin Res]** 1985 Jul 13;291(6488):115-6

High expectations. Nurses who work with children who might die. Coody D. **Nurs Clin North Am** 1985 Mar; 20(1):131-42

Home visits for the child with cancer. Fergusson J, et al. **Nurs Clin North Am** 1985 Mar;20(1):109-15

Care of the pediatric oncology patient in a laminar air flow setting. A conceptual framework for nursing practice. Marshall D. **Nurs Clin North Am** 1985 Mar;20(1):67-81

Symposium on compassionate care and the dying experience. Alterations in comfort. Moseley JR. **Nurs Clin North Am** 1985 Jun;20(2):427-38

Effect of nursing interventions on nutritional and performance status in cancer patients. Dixon J. **Nurs Res** 1984 Nov-Dec;33(6):330-5

[Nursing for cancer patients receiving hematoporphyrin-laser therapy] Shi QY. **Chung Hua Hu Li Tsa Chih** 1984 Aug; 19(4):223-4 **(Chi)**

[Care of the terminal cancer patient. General treatment and psychological management] Viani R, et al. **Minerva Med** 1985 Apr 14;76(16):771-7 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Completeness of the Swedish Cancer Register. Non-notified cancer cases recorded on death certificates in 1978. Mattsson B, et al. **Acta Radiol [Oncol]** 1984;23(5):305-13

Evaluating cancer clusters. Enterline PE. **Am Ind Hyg Assoc J** 1985 Mar;46(3):B10-3

Drinking water and cancer incidence in Iowa. III. Association of cancer with indices of contamination. Isacson P, et al. **Am J Epidemiol** 1985 Jun;121(6):856-69

Psychosocial processes and cancer incidence among Japanese men in Hawaii. Joffres M, et al. **Am J Epidemiol** 1985 Apr; 121(4):488-500

Re: 'Methods of cancer case selection: implications for research' [letter] Neuberger JS, et al. **Am J Epidemiol** 1985 Feb;121(2):324

Review of United States data on neoplasms in rheumatoid arthritis. Castor CW, et al. **Am J Med** 1985 Jan 21; 78(1A):33-8

Epidemiology of cancer in rheumatoid arthritis: methodologic pitfalls. Fries JF. **Am J Med** 1985 Jan 21; 78(1A):12-4

Cancer in rheumatoid arthritis: a prospective long-term study of mortality. Fries JF, et al. **Am J Med** 1985 Jan 21; 78(1A):56-9

Multiple primary malignancy as a model for the study of cancer occurrence in rheumatoid arthritis. Grufferman S. **Am J Med** 1985 Jan 21;78(1A):65-8

Rheumatoid arthritis and cancer studies based on linking nationwide registries in Finland. Hakulinen T, et al. **Am J Med** 1985 Jan 21;78(1A):29-32

Incidence of neoplasms in patients with rheumatoid arthritis exposed to different treatment regimens. Hazleman B. **Am J Med** 1985 Jan 21;78(1A):39-43

Occurrence of malignant neoplasms in the Rochester, Minnesota, rheumatoid arthritis cohort. Katusic S, et al. **Am J Med** 1985 Jan 21;78(1A):50-5

Incidence of cancer in rheumatoid arthritis and other disorders after immunosuppressive treatment. Kinlen LJ. **Am J Med** 1985 Jan 21;78(1A):44-9

Cancer and rheumatoid arthritis: epidemiologic considerations. Prior P. **Am J Med** 1985 Jan 21; 78(1A):15-21

Pharmaco-epidemiology—drugs, arthritis, and neoplasms: industry contribution to the data. Tilson HH, et al. **Am J Med** 1985 Jan 21;78(1A):69-76

Cancer incidence rates among blacks in urban and rural Georgia, 1978-82. Greenberg RS, et al. **Am J Public Health** 1985 Jun;75(6):683-4

Epidemiological discovery of occupational cancers. Doll R. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):331-9

Cancer incidence in Singapore by occupational groups. Lee HP. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):366-70

Low cancer rates among patients with Parkinson's disease. Jansson B, et al. **Ann Neurol** 1985 May;17(5):505-9

Malignant neoplasms 1971-1983 in Northeastern Zaire, with particular reference to Kaposi's sarcoma and malignant melanoma. Oates K, et al. **Ann Soc Belg Med Trop** 1984; 64(4):373-8

The cancer registry in cancer control—a review. Muir CS. **Arch Geschwulstforsch** 1984;54(6):491-7

The role of registration in a nationwide cancer control program in Slovakia. Pleško I, et al. **Arch Geschwulstforsch** 1984;54(5):409-14

The cancer registry in cancer control. Saxén EA. **Arch Geschwulstforsch** 1984;54(5):403-8

Epidemiological reservations about risk assessment. Peto R. **Basic Life Sci** 1985;33:3-16

Cancer incidence in Indian Christians. Jussawalla DJ, et al. **Br J Cancer** 1985 Jun;51(6):883-91

A follow-up study of cancer incidence among workers in manufacture of phenoxy herbicides in Denmark. Lynge E. **Br J Cancer** 1985 Aug;52(2):259-70

Cancer incidence and cancer mortality in a cohort of semiconductor workers. Sorahan T, et al. **Br J Ind Med** 1985 Aug;42(8):546-50

Cancer morbidity among workers in the telecommunications industry. Vågerö D, et al. **Br J Ind Med** 1985 Mar; 42(3):191-5

The world cancer burden: prevent or perish [editorial] Muir CS, et al. **Br Med J [Clin Res]** 1985 Jan 5;290(6461):5-6

Probabilities of eventually developing or dying of cancer—United States, 1985. Seidman H, et al. **CA** 1985 Jan-Feb;35(1):36-56

Cancer statistics, 1985. Silverberg E. **CA** 1985 Jan-Feb; 35(1):19-35

Incidence of funerals and cancer in Canada. Preshaw RM. **Can J Surg** 1984 Nov;27(6):527-8

Cancer risks among residents of Manitoba Indian reserves, 1970-79. Young TK, et al. **Can Med Assoc J** 1985 Jun 1;132(11):1269-72

Cancer in Indian Moslems. Jussawalla DJ, et al. **Cancer** 1985 Mar 1;55(5):1149-58

Cancer occurrence in shipyard workers exposed to asbestos in Hawaii. Kolonel LN, et al. **Cancer Res** 1985 Aug; 45(8):3924-8

Serum vitamin levels and the risk of cancer of specific sites in men of Japanese ancestry in Hawaii. Nomura AM, et al. **Cancer Res** 1985 May;45(5):2369-72

Paediatric malignant tumours seen in Dar es Salaam, Tanzania. Shija JK. **East Afr Med J** 1984 Mar;61(3):212-9

The epidemiology of selenium and cancer. Clark LC. **Fed Proc** 1985 Jun;44(9):2584-9

Cancer in West Bengal. Hazra J. **Geogr Med** 1984;14:142-57

Cancer pathologic regions: a Rajasthan example. McGlashan ND, et al. **Geogr Med** 1984;14:4-19

Morbidity and mortality rates in Okinawan Japanese vs. mainland Japanese: the Honolulu Heart Program. Carter C, et al. **Hum Biol** 1984 May;56(2):339-53

Epidemiological data and multistage carcinogenesis. Day NE. **IARC Sci Publ** 1984;(56):339-57

Cancer incidence at a hydrometallurgical nickel refinery. Egedahl R, et al. **IARC Sci Publ** 1984;(53):47-55

Directory of on-going research in cancer epidemiology 1984. Muir CS, et al. **IARC Sci Publ** 1984;(62):1-728

Cancer incidence in Aurangabad City 1978-1980. Jussawalla DJ, et al. **Indian J Cancer** 1984 May-Jun;21(2):55-62

Undernotification of diagnosed cancer cases to the Stockholm Cancer Registry. Mattsson B, et al. **Int J Epidemiol** 1985 Mar;14(1):64-9

Lymphomas, cancer of bladder, colon and prostate in Lebanon: an epidemiological challenge [letter] Saab G. **Int J Epidemiol** 1985 Jun;14(2):338

The contribution of epidemiology to the study of occupational cancer. Jensen OM, et al. **J Cancer Res Clin Oncol** 1984;108(3):257-63

14th annual UCLA symposium. Abstracts: Biochemical and molecular epidemiology of cancer. **J Cell Biochem [Suppl]** 1985;9C:1-64

Health registry and clinical data base technology: with special emphasis on cancer registries. Laszlo J. **J Chronic Dis** 1985; 38(1):67-78

Screening for geographic heterogeneity of disease rates: application to cancer incidence in Allegheny County, Pennsylvania, 1969-71. Savitz DA, et al. **J Chronic Dis** 1985;38(2):145-56

The use of asbestos-cement pipe for public water supply and the incidence of cancer in selected communities in Utah. Sadler TD, et al. **J Community Health** 1984 Summer; 9(4):285-93

Childhood cancer in the Northern Region, 1968-82: incidence in small geographical areas. Craft AW, et al. **J Epidemiol Community Health** 1985 Mar;39(1):53-7

Increased cancer risk in blacks—is it true? [editorial] Perling E, et al. **J Natl Med Assoc** 1985 Mar;77(3):177-8

Population-based occupational cancer incidence surveillance. Utilization of the telephone interview. Swanson GM, et al. **J Occup Med** 1985 Jun;27(6):439-44

Cancer in blacks, whites and Asians in a British hospital. Potter JF, et al. **J R Coll Physicians Lond** 1984 Oct; 18(4):231-5

International epidemiology of cancer. Waterhouse JA. **J R Coll Physicians Lond** 1985 Jan;19(1):10-2

Comparison of patient profiles from a comprehensive cancer center and the general population. Mettlin C, et al. **J Surg Oncol** 1984 Sep;27(1):8-11

Breast cancer as a risk factor for other primary malignant diseases. A nationwide cohort study. Adami HO, et al. **JNCI** 1984 Nov;73(5):1049–55

Cancer trends in a population at risk of acquired immunodeficiency syndrome. Biggar RJ, et al. **JNCI** 1985 Apr;74(4):793–7

Epidemiology of retinoids and cancer. Graham S. **JNCI** 1984 Dec;73(6):1423–8

Serum retinol and risk of subsequent cancer: extension of the Evans County, Georgia, study. Peleg I, et al. **JNCI** 1984 Dec;73(6):1455–8

Time period compared to birth cohort in Connecticut incidence rates for twenty-five malignant neoplasms. Roush GC, et al. **JNCI** 1985 Apr;74(4):779–88

A survey of the neoplastic lesions in the north western region of Pakistan. Ahmad F, et al. **JPMA** 1985 Feb;35(2):49–50

Malignant neoplasms in registered cases of primary immunodeficiency syndrome. Kobayashi N. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:307–12

The age distribution of human adult cancer and an initiation-manifestation model for carcinogenesis. Ohtaki M, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:325–43

Childhood cancer in West Cumbria [letter] **Lancet** 1985 Feb 16;1(8425):403–4

Prospective study of cancer in patients with hypogammaglobulinaemia. Kinlen LJ, et al. **Lancet** 1985 Feb 2;1(8423):263–6

Incidence of childhood cancer in West Cumbria [letter] Urquhart J, et al. **Lancet** 1985 Jan 19;1(8421):172

Searching for clusters and associations in cancer epidemiology. Cuzick J. **Leuk Res** 1985;9(6):669–70

International data collection and interpretation: a review. Parkin DM. **Leuk Res** 1985;9(6):661–8

Symposium proceedings. Screening and its scientific spin-off. Utrecht, The Netherlands, 5 October 1984. **Maturitas** 1985 May;7(1):1–83

The assessment of lead time and length bias in the evaluation of screening programmes. Day NE. **Maturitas** 1985 May; 7(1):51–8

A demonstration project on cancer screening in rural Thailand: preliminary report. Lynch HT, et al. **Oncology** 1985;42(3):193–7

Cancer in Solomon Islands 1970–82. Taylor R, et al. **Papua New Guinea Med J** 1983 Jun;26(2):102–10

Some aspects of childhood cancer epidemiology. Pratt CB. **Pediatr Clin North Am** 1985 Jun;32(3):541–56

Comparative study of the age standardized cancer ratio (A.S.C.A.R.) in Liberia, Cameroon and the Moshi District of Tanzania. Sobo AO. **Public Health** 1984 Jul;98(4):216–24

The epidemiology of cancer and the delivery of medical care services. Pollack ES. **Public Health Rep** 1984 Sep–Oct; 99(5):476–83

The epidemiology of cancer in Africa. Bickell C. **Radiography** 1985 Jan–Feb;51(595):41–6

Cancer epidemiology. Cattell A. **Radiography** 1985 Jan–Feb; 51(595):31–3

Epidemiology and the radiographer. Young J. **Radiography** 1985 Jan–Feb;51(595):35–40

Cancer registration and occupational epidemiology. Hernberg S, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:247–53

Problems in the epidemiological approach to occupational cancer. Lloyd JW. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:235–46 (14 ref.)

Uses of population-based cancer registration in occupational epidemiology: experience in Osaka. Morinaga K, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:215–23

The clinician and epidemiology for cancer research. Yoshida O. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:203–6

Cancer incidence by living area, social class and occupation. Teppo L. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):361–6

Neoplasia in immunosuppressed renal transplant patients: a 20-year experience. Krueger TC, et al. **South Med J** 1985 May;78(5):501–6

Birth cohort analysis using irregular cross-sectional data: a technical note. Schifflers E, et al. **Stat Med** 1985 Jan–Mar; 4(1):63–75

Cancer occurrence in the Cayman Islands over the past nine years. Loy VL. **West Indian Med J** 1985 Jun;34(2):90–3

The projection of chronic diseases using data on risk factors and risk factors intervention: the case of cancer. Hakama M, et al. **World Health Stat Q** 1984;37(3):318–27 **(Eng, Fre)**

Incidence of childhood cancer in the province of Perugia (Italy). Vitali R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Aug; 179(4):300–7

[Cancer in childhood in Denmark 1943–1980. Cancer statistics No. 11] Olsen JH, et al. **Ugeskr Laeger** 1984 Oct 15;146(42):3228–30 **(Dan)**

[Occurrence of cancer in the county of Frederiksborg and its statistic analysis] Vraa-Jensen J, et al. **Ugeskr Laeger** 1984 Aug 6;146(32):2437–8 **(Dan)**

[Cancer in Morocco (1950–1980). According to the records of various laboratories of pathologic anatomy] Guerbaoui M, et al. **Arch Anat Cytol Pathol** 1985;33(3):179–80 **(Fre)**

[The future of children cured of cancer: later morbidity] Schweisguth O. **Arch Fr Pediatr** 1985 Jan;42(1):3–9 (Eng. Abstr.) **(Fre)**

[Cancer in Madagascar] Séraphin JJ. **IARC Sci Publ** 1984; (63):117–23 (Eng. Abstr.) **(Fre)**

[Incidence of cancer in Martinique 1981–1982] Azaloux H, et al. **Rev Epidemiol Sante Publique** 1985;33(1):43–7 (Eng. Abstr.) **(Fre)**

[Cancer on the Island of Réunion: results of a survey preliminary to the creation of a tumor registry] Julvez J, et al. **Rev Epidemiol Sante Publique** 1985;33(1):39–42 (Eng. Abstr.) **(Fre)**

[Clinical cancer documentation of the Central Institute for Cancer Research of the Academy of Sciences of the German Democratic Republic, Berlin-Buch--tasks, organization and usefulness] Kluge E, et al. **Arch Geschwulstforsch** 1985;55(4):265–78 (Eng. Abstr.) **(Ger)**

[Neoplasms in children in the GDR] Staneczek W. **Arch Geschwulstforsch** 1984;54(4):357–64 (Eng. Abstr.) **(Ger)**

[Incidence of malignant neoplasms in West Germany. Cumulative incidences] Neumann G. **Dtsch Med Wochenschr** 1984 Nov 9;109(45):1735–8 **(Ger)**

[Illustrations of new cases of cancer at various sites, obtained from reports at various clinics] Staneczek W. **Z Arztl Fortbild (Jena)** 1985;79(6):231–8 **(Ger)**

[Carcinoma in the elderly (editorial)] Jansen HH. **Z Gerontol** 1985 May–Jun;18(3):121–3 **(Ger)**

[Multiple primary malignant neoplasms in the national cancer center during 1962–1981] Watanabe S. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1489–98 (Eng. Abstr.) **(Jpn)**

[Estimation of cancer prevalence rates of selected sites in Japan, using the National Patient Survey data] Nagai M, et al. **Nippon Eiseigaku Zasshi** 1984 Oct;39(4):749–56 (Eng. Abstr.) **(Jpn)**

[Complications following kidney transplantation--infections and malignant tumors] Hashimoto I, et al. **Nippon Rinsho** 1985 Jan;43(1):48–52 (25 ref.) **(Jpn)**

[Occupation and cancer epidemiology in Norway 1973–1983] Langård S. **Tidsskr Nor Laegeforen** 1985 Jun 30; 105(19–21):1287–91 (Eng. Abstr.) **(Nor)**

[Epidemiological study of malignant neoplasms in Poland 1952–1982] Koszarowski T, et al. **Pol Tyg Lek** 1985 Apr 8–15;40(14–15):397–402 **(Pol)**

[Substantiation of the prospective need for hospital cancer care based on the prognosis of malignant neoplasm morbidity] Prisiazhniuk AE. **Klin Khir** 1985 May;(5):40–5 **(Rus)**

[Cancer through the eyes of the epidemiologist (on the epidemiology of noninfectious diseases)] Zhdanov VM. **Vestn Akad Med Nauk SSSR** 1985;(3):55–9 (Eng. Abstr.) **(Rus)**

[Study of the incidence of malignant tumors detected in mass screenings] Denisov LE, et al. **Vopr Onkol** 1985;31(4):16–21 (Eng. Abstr.) **(Rus)**

[Cancer morbidity of the population of Leningrad for the last 20 years] Gulieva LM, et al. **Vopr Onkol** 1985; 31(6):17–21 **(Rus)**

[Incidence of malignant tumors in childhood in La Plata (1977–1981) and its comparison with other countries] Drut R. **Medicina (B Aires)** 1984;44(1):23–8 (Eng. Abstr.) **(Spa)**

[General analysis of the Tumor Registry of the Hospital de Sta. Caterina de Girona. Description of the series and study of the diagnostic and therapeutic delay] Bosch Jose FX, et al. **Rev Esp Oncol** 1983;30(2):209–23 (Eng. Abstr.) **(Spa)**

[9 years of the Cancer Register of Panamá] Valdés PF. **Rev Med Panama** 1985 Jan;10(1):23–6 (Eng. Abstr.) **(Spa)**

[Cancer occurrence in Sweden in the year 2000--a study of various prognostic models] Jogreus C, et al. **Lakartidningen** 1985 Mar 6;82(10):844–9 **(Swe)**

PATHOLOGY

Tumor cells carried through autotransfusion. Are these cells still malignant? Homann B, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:51–9

Diagnostic cytology seminar. Kaminsky DB, et al. **Acta Cytol (Baltimore)** 1984 Nov–Dec;28(6):747–73

3H-thymidine autoradiography and cytophotometric analysis of needle aspirates from human tumours during radiation therapy, endocrine therapy and chemotherapy. Klintenberg C, et al. **Acta Radiol [Oncol]** 1985 Mar–Apr;24(2):117–22

Specific and non-specific inhibition of normal and tumor growth. Fremuth F. **Acta Univ Carol [Med Monogr] (Praha)** 1984;109:1–128

The nude mouse in cancer research. Giovanella BC, et al. **Adv Cancer Res** 1985;44:69–120 (278 ref.)

Comparison of local versus central tumor measurements in a multicenter cancer trial. Henderson WG, et al. **Am J Clin Oncol** 1984 Dec;7(6):705–12

Rapid diagnostic DNA cytometry with an automatic microscope and a TV image-analysis system. Auffermann W, et al. **Anal Quant Cytol** 1984 Sep;6(3):179–88

Induction of differentiation in neoplastic cells. Freshney RI. **Anticancer Res** 1985 Jan–Feb;5(1):111–30 (179 ref.)

The biology of cell death in tumours. Wyllie AH. **Anticancer Res** 1985 Jan–Feb;5(1):131–6

Neoplastic and nonneoplastic lesions in aging female rats with special reference to the functional morphology of the hyperplastic and neoplastic changes in the pituitary gland. Attia MA. **Arch Toxicol** 1985 Jun;57(2):77–83

Human tumour cell lines established using clonal agar culture. Bertoncello I, et al. **Aust J Exp Biol Med Sci** 1985 Apr; 63 (Pt 2):241–8

Modification of dopa toxicity in human tumour cells. Parsons PG. **Biochem Pharmacol** 1985 May 15;34(10):1801–7

Macrophages in primary and secondary tumor growth: some implications for cancer therapy. Keller R. **Biomed Pharmacother** 1985;39(1):7–12

Limitations of the agar colony-forming assay for the assessment of paediatric tumours. Ablett GA, et al. **Br J Cancer** 1984 Oct;50(4):541–4

Do cancers arise from a single transformed cell or is monoclonality of tumours a late event in carcinogenesis? Alexander P. **Br J Cancer** 1985 Apr;51(4):453–7

Measurement of human tumour cell growth in soft-agar cultures using computer-assisted volume analysis. Alley MC, et al. **Br J Cancer** 1985 Aug;52(2):205–14

The estimation of self-renewal in the clonogenic cells of human solid tumours: a comparison of secondary plating efficiency and colony size. Bizzari JP, et al. **Br J Cancer** 1985 Aug;52(2):189–95

Chemosensitivity measurements of human tumour cells by soft agar assays are influenced by the culture conditions. Endresen L, et al. **Br J Cancer** 1985 Jun;51(6):843–52

Analysis of the influence of tumour cell kinetics and host cells on cloning of human malignant effusions in semi-solid agar. Hofmann V, et al. **Br J Cancer** 1985 Jun;51(6):893–5

Comparison of assays used for in vitro chemosensitivity testing of human tumours [letter] Salmon SE, et al. **Br J Cancer** 1984 Nov;50(5):725–6

Predictive chemosensitivity testing. Twentyman PR. **Br J Cancer** 1985 Mar;51(3):295–9

Fine-needle aspiration biopsy diagnosis of round cell malignant tumors of childhood. A combined light and electron microscopic approach. Akhtar M, et al. **Cancer** 1985 Apr 15;55(8):1805–17

Flow cytometric identification of cancer cells in effusions with Ca1 monoclonal antibody. Czerniak B, et al. **Cancer** 1985 Jun 15;55(12):2783–8

The malignant pleural effusion. A review of cytopathologic diagnoses of 584 specimens from 472 consecutive patients. Johnston WW. **Cancer** 1985 Aug 15;56(4):905–9

Effect of a hepatic activation system on the antiproliferative activity of hexamethylmelamine against human tumor cell lines. Miller KJ, et al. **Cancer Chemother Pharmacol** 1985; 15(1):49–53

Vitamin A, dehydroepiandrosterone (DHEA) and 5' nucleotidase: regulatory factors in tumor growth. Regelson W. **Cancer Invest** 1985;3(4):407–9

Enhancement by retinoic acid of the sensitivity of different tumor cell lines to the sialic acid-specific toxin of Entamoeba histolytica. Feingold C, et al. **Cancer Lett** 1984 Oct;24(3):263–71

Effect of dimethyldioctadecylammonium bromide induced macrophages on malignant cell proliferation. Prager MD, et al. **Cancer Lett** 1985 Jun;27(2):225–32

Molecular mechanisms of cell adhesion in normal and transformed cells. Brackenbury R. **Cancer Metastasis Rev** 1985;4(1):41–58 (117 ref.)

The propagation of cancer, a process of tissue remodeling. Studies in histophysiologic gradient culture. Leighton J, et al. **Cancer Metastasis Rev** 1984;3(2):81–97

The role of cell adhesion proteins--laminin and fibronectin--in the movement of malignant and metastatic cells. McCarthy JB, et al. **Cancer Metastasis Rev** 1985; 4(2):125–52 (146 ref.)

Stimulation of haptotaxis and migration of tumor cells by serum spreading factor. Basara ML, et al. **Cancer Res** 1985 Jun;45(6):2487–94

Inhibitory effects of dipyridamole on growth, nucleoside incorporation, and platelet-activating capability in the U87MG and SKNMC human tumor cell lines. Bastida E, et al. **Cancer Res** 1985 Sep;45(9):4048–52

Effects of combined treatments of cis-diamminedichloroplatinum(II), 5-fluorouracil, and X-rays on growth of human cancer nodules maintained in continuous organotypic culture. Beaupain R, et al. **Cancer Res** 1985 Jul;45(7):3150–4

Lysis of tumor cells by human blood monocytes by a mechanism independent of activation of the oxidative burst. Kleinerman ES, et al. **Cancer Res** 1985 May;45(5):2058–64

Inhibition of tumor cell colony formation in culture by a monoclonal antibody to endogenous lectins. Lotan R, et al. **Cancer Res** 1985 Sep;45(9):4349–53

Effects of clumps and clusters on survival measurements with clonogenic assays. Rockwell S. **Cancer Res** 1985 Apr; 45(4):1601–7

Differential response of cultured human normal and tumor cells to trace element-induced resistance to the alkylating agent melphalan. Tobey RA, et al. **Cancer Res** 1985 Jun; 45(6):2567–71

Enhancement of the antiproliferative activity of human interferon by polyamine depletion. Kovach JS, et al. **Cancer Treat Rep** 1985 Jan;69(1):97–103

Monoclonal antibodies NORM-1 and NORM-2 induce more normal behavior of tumor cells in vitro and reduce tumor growth in vivo. Vollmers HP, et al. **Cell** 1985 Mar; 40(3):547–57

The phenotypic nature of malignancy--an hypothesis. Buckley I. **Cell Biol Int Rep** 1985 Jan;9(1):23–30

Aspects of statistics in studies of cell proliferation. II. Standard errors of estimated parameters. Appleton DR. **Cell Tissue Kinet** 1984 Nov;17(6):657–9

Alterations in metaphase durations in cells derived from

NEWARK PUBLIC LIBRAR

human tumours. Sisken JE, et al. **Cell Tissue Kinet** 1985 Mar;18(2):137-46

Primary rhabdomyosarcoma of the leptomeninx. Clinical, neuroradiological and pathological aspects. Korinthenberg R, et al. **Clin Neurol Neurosurg** 1984;86(4):301-5

Pleural and pericardial effusions in cancer patients. McKenna RJ Jr, et al. **Curr Probl Cancer** 1985 Jun;9(6):1-44 (112 ref.)

Needle aspiration cytology of tumors at various body sites. Silver CE, et al. **Curr Probl Surg** 1985 Jan;22(1):1-67 (128 ref.)

Proliferative characteristics of primary and metastatic human solid tumors by DNA flow cytometry. Frankfurt OS, et al. **Cytometry** 1984 Nov;5(6):629-35

Growth of solid tumor cells in clonogenic assays: a prognostic factor? Aapro MS. **Eur J Cancer Clin Oncol** 1985 Mar;21(3):397-400

Changing histology in malignant tumors: diagnostic and therapeutic significance [editorial] Matthews MJ, et al. **Eur J Cancer Clin Oncol** 1985 May;21(5):549-52

Cell kinetics and in vitro chemosensitivity as a tool for improved management of patients. Silvestrini R, et al. **Eur J Cancer Clin Oncol** 1985 Mar;21(3):371-8

An in vivo clonogenic assay for human tumors using plasma clot diffusion chambers implanted in mice. Willemze R, et al. **Eur J Cancer Clin Oncol** 1985 Jan;21(1):127-34

Relationship between karyotype of tissue culture lines and tumorigenicity in nude mice. Gershwin ME, et al. **Exp Cell Biol** 1984;52(6):361-70

Changes in histological differentiation of human tumors transplanted to athymic nude mice: a morphometric study. Sharkey FE, et al. **Exp Cell Biol** 1985;53(2):100-6

Mathematical models of cell variation seen in a heterogeneous malignant cell population. Saiga T, et al. **Exp Pathol** 1985; 28(1):21-30

Monoclonal antibody-dependent murine macrophage-mediated cytotoxicity against human tumors is stimulated by lentinan. Herlyn D, et al. **Gann** 1985 Jan; 76(1):37-42

CEA immunoperoxidase staining. An applied research tool for a community hospital laboratory. Dick TT, et al. **Indiana Med** 1985 Jul;78(7):592-4

Aspiration biopsy cytology: biopsy method of the eighties. Glant MD. **Indiana Med** 1984 Aug;77(8):595-9

Human tumor xenografts transplanted under the renal capsule of conventional mice. Growth rates and host immune response. Aamdal S, et al. **Int J Cancer** 1984 Nov 15; 34(5):725-30

Differential antiproliferative actions of 2',5' oligo A trimer core and its cordycepin analogue on human tumor cells. Hubbell HR, et al. **Int J Cancer** 1985 Sep 15;36(3):389-94

Influence of the oxygen pressure in the culture medium on the oxygenation of different types of multicellular spheroids. Carlsson J, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):535-46

Characterization of the biophysical properties of human tumor and bone marrow cells as a preliminary step to the use of centrifugal elutriation in autologous bone marrow transplantation. Keng PC, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1913-22

Effects of passage, growth phase, and heterogeneity of a tumor cell population on tumor cell chemotaxis. Oda D, et al. **Invasion Metastasis** 1984;4(4):189-97

Tumorigenicity testing of primate cell lines in nude mice, muscle organ culture and for colony formation in soft agarose. Levenbook IS, et al. **J Biol Stand** 1985 Apr; 13(2):135-41

Cytostasis of tumor cell lines by promyelocytic leukemia cell line HL60 differentiated to granulocyte lineage. Hara T, et al. **J Cancer Res Clin Oncol** 1985;109(2):103-6

Monoclonal antibody immunocytology: potential applications for staging and monitoring malignant disease activity [editorial] Royston I, et al. **J Clin Oncol** 1985 Apr; 3(4):453-4

A monoclonal antibody detecting neural and neuroendocrine differentiation. Sappino AP, et al. **J Histochem Cytochem** 1984 Oct;32(10):1041-7

The early growth of cancer. Chover J, et al. **J Math Biol** 1985;21(3):329-46

Analysis, forecasting, and control of three-dimensional tumor growth and treatment. Düchting W, et al. **J Med Syst** 1984 Oct;8(5):461-75

Intramedullary spinal cord metastasis. A clinicopathological study of 13 cases. Costigan DA, et al. **J Neurosurg** 1985 Feb;62(2):227-33

An enzymatic method for the consistent production of monodispersed viable cell suspensions from human solid tumors. Rong GH, et al. **J Surg Oncol** 1985 Feb;28(2):131-3

Reversal of deamination-related cytotoxicity of 5-methyl-2'-deoxycytidine by tetrahydrouridine in human leukemia cells. Jekunen A, et al. **JNCI** 1984 Nov; 73(5):1087-91

Variation in agar growth of transformed 3T3 cells after tumor formation in nude mice. Romerdahl CA, et al. **JNCI** 1985 Jun;74(6):1247-53

Progression and promotion. Shubik P. **JNCI** 1984 Nov; 73(5):1005-11

Stimulatory and inhibitory activities of lung-conditioned medium on the growth of normal and neoplastic cells in vitro. Szaniawska B, et al. **JNCI** 1985 Aug;75(2):303-6

Production and characterization of tumor-degenerating factor. Tanaka A, et al. **JNCI** 1985 Mar;74(3):575-81

Applications of quantitative microscopy in tumor pathology. Hall TL, et al. **Lab Invest** 1985 Jul;53(1):5-21 (164 ref.)

Factor VIII and neoplastic endothelium. Graham AR, et al. **Lymphology** 1984 Sep;17(3):78-80

New hypotheses on the mechanism of cancer growth and regression (computer simulation study). el Messiery MA, et al. **Med Biol Eng Comput** 1984 Sep;22(5):448-52

Carcinogenesis--devolution towards an ancient nucleated pre-eukaryotic level. Setälä K. **Med Hypotheses** 1984 Nov; 15(3):209-30

The cell surface in health and disease. Knox P. **Mol Aspects Med** 1984;7(3):117-311 (325 ref.)

Tumor growth kinetics. Norton L. **Mt Sinai J Med (NY)** 1985 Mar;52(3):161-4

The nature of tumour cell proliferation [letter] Gilbert DA. **Nature** 1984 Oct 18-24;311(5987):610

Malignant tumors and embolizing paraneoplastic endocarditis. Ondriaš F, et al. **Neoplasma** 1985;32(1):135-40

111Indium labeling of cultured human tumor cells. Lockshin A, et al. **Oncology** 1985;42(5):322-7

Determination of tissue polypeptide antigen (TPA) levels in different cancer types and controls. Mross KB, et al. **Oncology** 1985;42(5):288-95

The future of tumor pathology. Invited paper. IXth European Congress of Pathology September 1983. Pontén J. **Pathol Res Pract** 1984 Nov;179(2):267-9

Effects of interferon on differentiation of normal and tumor cells. Fisher PB, et al. **Pharmacol Ther** 1985;27(2):143-66 (116 ref.)

Inherently radioresistant cells exist in some human tumors. Weichselbaum RR, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4732-5

Potentiation of the cell growth inhibitory effect of beta interferon by mopidamole. Biddle W, et al. **Proc Soc Exp Biol Med** 1984 Dec;177(3):487-90

Antitumor agents and the molecular basis of cancer. Bloch AW. **Prog Clin Biol Res** 1985;172B:207-13

Biodynamics and NMR. Lenk R. **Prog Nucl Med** 1984; 8:55-61

Clinical method to estimate time of origin and maximum volume of malignant tumors. Akanuma A. **Radiat Med** 1983 Jan-Mar;1(1):89-104

Repair of fractionated radiation in plateau phase cultures of human tumor cells and human multicellular tumor spheroids. Weichselbaum RR, et al. **Radiother Oncol** 1984 Jun;2(1):41-7

Spheroids in cancer research. Methods and perspectives. **Recent Results Cancer Res** 1984;95:1-183

Drug combination testing with in vitro clonal cultures. Aapro MS. **Recent Results Cancer Res** 1984;94:224-31

Microenvironmental conditions in multicellular spheroids grown under liquid-overlay tissue culture conditions. Acker H. **Recent Results Cancer Res** 1984;95:116-33

Pharmacologic pitfalls in the human tumor clonogenic assay. Alberts DS, et al. **Recent Results Cancer Res** 1984; 94:184-90

Liquid-overlay culture of cellular spheroids. Carlsson J, et al. **Recent Results Cancer Res** 1984;95:1-23 (57 ref.)

Cloning of human tumor cells in methylcellulose-containing medium. Cillo C, et al. **Recent Results Cancer Res** 1984; 94:56-64

A replenishable soft agar colony assay for human tumour sensitivity testing. Courtenay VD. **Recent Results Cancer Res** 1984;94:17-34

Modeling and simulation of growing spheroids. Düchting W, et al. **Recent Results Cancer Res** 1984;95:168-79

Radiation studies with spheroids. Durand RE, et al. **Recent Results Cancer Res** 1984;95:103-15 (35 ref.)

Oxygen supply to spheroids in spinner and liquid-overlay culture. Franko AJ, et al. **Recent Results Cancer Res** 1984; 95:162-7

Interlaboratory comparison of in vitro cloning of fresh human tumor cells from malignant effusions. Hofmann V, et al. **Recent Results Cancer Res** 1984;94:197-201

Analysis of malignant effusions by cellular composition, proliferation kinetics, and in vitro clonogenicity. Hofmann V, et al. **Recent Results Cancer Res** 1984;94:35-40

In vitro effect of interferon-alpha on human granulocyte/macrophage progenitor cells and human clonogenic tumor cells. Holdener EE, et al. **Recent Results Cancer Res** 1984;94:205-19

Regulatory mechanisms in spheroidal aggregates of normal and cancerous cells. Landry J, et al. **Recent Results Cancer Res** 1984;95:50-66 (85 ref.)

Technical problems with soft agar colony formation assays for in vitro chemotherapy sensitivity testing of human solid tumors: Mayo Clinic experience. Lieber MM. **Recent Results Cancer Res** 1984;94:51-5

Effect of leukocyte interferons on cell proliferation of human tumors in vitro. Ludwig CU, et al. **Recent Results Cancer Res** 1984;94:220-3

Evaluation of schedule dependency of anticancer drugs in the human tumor clonogenic assay. Ludwig R, et al. **Recent Results Cancer Res** 1984;94:202-4

Microelectrode measurement of oxygen tension distributions in multicellular spheroids cultured in spinner flasks. Mueller-Klieser W. **Recent Results Cancer Res** 1984; 95:134-49

Spheroids for studies of drug effects. Nederman T, et al. **Recent Results Cancer Res** 1984;95:84-102 (43 ref.)

Predictive tests and infrequent events in cancer chemotherapy. Rozencweig M, et al. **Recent Results Cancer Res** 1984;94:174-83

In vitro growth of human malignancies in a cloning assay. Rozencweig M, et al. **Recent Results Cnncer Res** 1984; 94:1-7

Development of a nucleotide precursor incorporation assay for testing drug sensitivity of human tumors. Sanfilippo O, et al. **Recent Results Cancer Res** 1984;94:127-39

Heterogeneity and variability of test results as limiting factors for predictive assays. Schlag P, et al. **Recent Results Cancer Res** 1984;94:191-6

Growth factor enhancement of the in vitro stem cell assay. Spitzer G, et al. **Recent Results Cancer Res** 1984;94:253-66

Growth and cellular characteristics of multicell spheroids. Sutherland RM, et al. **Recent Results Cancer Res** 1984; 95:24-49 (86 ref.)

In vitro chemosensitivity assay based on the concept of total tumor cell kill. Weisenthal LM, et al. **Recent Results Cancer Res** 1984;94:161-73

Morphologic features and incidence of spontaneous hyperplastic and neoplastic mammary gland lesions in Wistar rats. Barsoum NJ, et al. **Toxicol Pathol** 1984; 12(1):26-38

Amphicrine cells. Chejfec G, et al. **Ultrastruct Pathol** 1984; 7(1):iii-iv

Immunohistochemical characterization of an anti-epithelial monoclonal antibody (mAB lu-5). von Overbeck J, et al. **Virchows Arch** [A] 1985;407(1):1-12

[Preliminary observation on killing effect of microwave on human and murine cancerous or normal cells in vitro] Zhang JB, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Feb; 6(1):32-4 (Eng. Abstr.) (Chi)

[Basement membranes and tumor pathology] Birembaut P, et al. **Bull Cancer (Paris)** 1984;71(5):468-73 (Eng. Abstr.) (Fre)

[Limits of pathohistologic evaluation in surgical oncology] Hermanek P. **Fortschr Med** 1985 Jun 6;103(21):567-70 (Eng. Abstr.) (Ger)

[Pathologico-anatomic cancer diagnosis in the aged--principles and basic data] Goerttler K. **Z Gerontol** 1985 May-Jun;18(3):124-33 (Eng. Abstr.) (Ger)

[Study of cellular autofluorescence of cultured human cancer cell lines using a fluorescence-activated cell sorter (FACS-IV)] Koyama S, et al. **Gan No Rinsho** 1985 Feb; 31(2):190-2 (Eng. Abstr.) (Jpn)

[Cancer and the lymph nodes] Nishi M, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):983-91 (13 ref.) (Eng. Abstr.) (Jpn)

[Antitumor drug resistance and therapeutic approaches to reverse resistance] Tsuruo T. **Gan To Kagaku Ryoho** 1985 Sep;12(9):1715-25 (76 ref.) (Eng. Abstr.) (Jpn)

[Colony growth by various malignant cells of cancer patients on in vitro colony assay] Inoue K, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Aug 20;19(7):1456-63 (Eng. Abstr.) (Jpn)

[Correlation between in vitro chemosensitivity of human tumors and the corresponding xenografts in nude mice] Mizuno Y. **Nippon Geka Hokan** 1984 Jan 1;53(1):221-31 (Eng. Abstr.) (Jpn)

[In-vitro cancer cell growth regulation by fibroblasts, with special reference to the relationship with fibroblast aging] Kagawa S. **Nippon Hinyokika Gakkai Zasshi** 1984 Nov; 75(11):1718-21 (Jpn)

[Prostaglandin-related substances and neoplasms] Kimura S, et al. **Nippon Rinsho** 1985 Mar;43(3):615-9 (33 ref.) (Jpn)

[The kinetics of neoplastic tumors. II. Principles of determining various indicators of the growth of neoplastic tumors in clinical studies] Maciejewski B, et al. **Nowotwory** 1985 Jan-Mar;35(1):23-9 (Eng. Abstr.) (Pol)

[Pathology of mitosis in clinical oncomorphology] Kraevskii NA, et al. **Arkh Patol** 1984;46(11):16-22 (Eng. Abstr.) (Rus)

[Human tumor lines transplantable to athymic mice and rats] Revazova ES, et al. **Biull Eksp Biol Med** 1985 Feb; 99(2):189-91 (Eng. Abstr.) (Rus)

[Effect of interferon on cell cycle phases in cultured human tumor cells] Nikolaeva TG, et al. **Eksp Onkol** 1984; 6(4):52-5 (Eng. Abstr.) (Rus)

[Rearrangements in cell populations in malignant growth] Shuklinov VA. **Eksp Onkol** 1984;6(6):25-30 (57 ref.) (Eng. Abstr.) (Rus)

[Spectrophotometric method of evaluating tumor cell agglutination induced by lectins] Viadro MM. **Eksp Onkol** 1984;6(1):70-2 (Eng. Abstr.) (Rus)

[Morpho-functional characteristics of the pineal gland in patients with cancer at various sites] Petrov SV. **Vopr Onkol** 1984;30(9):29-34 (Eng. Abstr.) (Rus)

[Limitations of conventional pathologic anatomy in the diagnosis of malignant tumors] Vera-Román JM. **Med Clin (Barc)** 1984 Nov 10;83(15):629-30 (Spa)

[Tumor lysis syndrome] Gómez Campdera FJ. **Rev Clin Esp** 1984 Dec 15-31;175(5-6):185-6 (36 ref.) (Spa)

[Morphological bases of oncology] Llanes Menéndez F. **Rev Esp Oncol** 1983;30(2):231-50 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

Differential effects of epidural morphine in the treatment of cancer-related pain. Arnér S, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):32-6

Analgesic levels and technical method in stereotactic pontine spinothalamic tractotomy. Hitchcock E, et al. **Acta Neurochir (Wien)** 1985;77(1-2):29-36

Chalones and specific growth factors in normal and tumor growth. Fremuth F. **Acta Univ Carol [Med Monogr] (Praha)** 1984;110:1-111 (422 ref.)

Plasminogen activators, tissue degradation, and cancer. Danø K, et al. **Adv Cancer Res** 1985;44:139-266 (1000 ref.)

Cancer in the elderly: basic science and clinical aspects. Lipschitz DA, et al. **Ann Intern Med** 1985 Feb; 102(2):218-28 (107 ref.)

Growth hormone releasing factors. Ling N, et al. **Annu Rev Biochem** 1985;54:403-23 (87 ref.)

Heroin: should it be legalized for the treatment of cancer pain? Katz MD, et al. **Ariz Med** 1984 Sep;41(9):602-3

Growth factors and cancer. Burgess AW. **Aust NZ J Surg** 1985 Apr;55(2):105-10

Membrane fluidity in malignancy. Adversative and recuperative. Shinitzky M. **Biochim Biophys Acta** 1984; 738(4):251-61 (65 ref.)

Comparison of muscle and fat wasting in patients suffering from breast and other cancers: an anthropometric study. Jardine LG, et al. **Breast Cancer Res Treat** 1984;4(3):227-32

Common misunderstandings about the use of morphine for chronic pain in advanced cancer. Walsh TD. **CA** 1985 May-Jun;35(3):164-9

Drug management of pain in cancer patients [letter] Appel WC. **Can Med Assoc J** 1985 Apr 15;132(8):899-900

The detection and measurement of hypoxic cells in solid tumors. Chapman JD. **Cancer** 1984 Dec 1;54(11):2441-9

The impact of pain on the patient with cancer. Cleeland CS. **Cancer** 1984 Dec 1;54(11 Suppl):2635-41

Continuous infusion of spinally administered narcotics for the relief of pain due to malignant disorders. Krames ES, et al. **Cancer** 1985 Aug 1;56(3):696-702

Analysis of N-methyl-N'-nitro-N-nitrosoguanidine (MNNG)-induced DNA damage in tumor cell strains from Japanese patients and demonstration of MNNG hypersensitivity of Mer xenografts in athymic nude mice. Watatani M, et al. **Carcinogenesis** 1985 Apr;6(4):549-53

Treatment of chronic pain of malignant origin with intrathecal opiates. Onofrio BM. **Clin Neurosurg** 1983; 31:304-15

Analgesia with oral narcotics and added ibuprofen in cancer patients. Weingart WA, et al. **Clin Pharm** 1985 Jan-Feb; 4(1):53-8

Receptors for T-cell growth factor: structure, function and expression on normal and neoplastic cells. Greene WC, et al. **Contemp Top Mol Immunol** 1985;10:1-34 (205 ref.)

IgA mesangial nephropathy in neoplastic diseases. Mustonen J, et al. **Contrib Nephrol** 1984;40:283-91

pH distribution in human tumors. Thistlethwaite AJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1647-52

Management of cancer pain. Maguire LC. **J Ky Med Assoc** 1985 Mar;83(3):128-32

Splenic reticuloendothelial function in children with cancer. Buchanan GR, et al. **J Pediatr** 1985 Feb;106(2):239-42

Continuous epidural narcotic analgesia for intractable pain due to malignancy. Yablonski-Peretz T, et al. **J Surg Oncol** 1985 May;29(1):8-10

Effect of extracorporeally induced total body hyperthermia for cancer on cardiovascular function. Maeta M, et al. **Jpn Heart J** 1984 Nov;25(6):993-1000

Epidural opiates: long-term experiences in cancer pain. Zenz M, et al. **Klin Wochenschr** 1985 Mar 1;63(5):225-9

Increased vascular permeability and cancer chemotherapy [letter] **Lancet** 1985 May 25;1(8439):1225

Management of cancer pain. A practical approach. Coates G. **Med J Aust** 1985 Jan 7;142(1):30-5 (34 ref.)

On the analysis of three-dimensional contingency tables--application to the influence of allergy and age on cancer. Moussa MA, et al. **Methods Inf Med** 1985 Jan; 24(1):35-6

The treatment of cancer pain. Foley KM. **N Engl J Med** 1985 Jul 11;313(2):84-95 (124 ref.)

Autocrine growth factors and cancer. Sporn MB, et al. **Nature** 1985 Feb 28-Mar 6;313(6005):745-7 (79 ref.)

Use of intraventricular and intrathecal morphine in intractable pain associated with cancer. Nurchi G. **Neurosurgery** 1984 Dec;15(6):801-3

What's new in endocrine factors of tumor growth? Bosman FT, et al. **Pathol Res Pract** 1985 Jul;180(1):81-92 (123 ref.)

Cancer pain. Baines MJ. **Postgrad Med J** 1984 Dec; 60(710):852-7

Endorphins, immune function, and cancer. Morley JE, et al. **Psychopharmacol Bull** 1985;21(3):485-8

Platelet-tumor cell interaction with the subendothelial extracellular matrix: relationship to cancer metastasis. Yahalom J, et al. **Radiother Oncol** 1985 Apr;3(3):211-25

Growth factors in human disease: the realities, pitfalls, and promise. Castor CW, et al. **Semin Arthritis Rheum** 1985 Aug;15(1):33-44 (105 ref.)

Does preamputation pain influence phantom limb pain in cancer patients? Wall R, et al. **South Med J** 1985 Jan; 78(1):34-6

Histomorphometry of spherical tumors using holoptical cross-sections. Fischer HP. **Virchows Arch [A]** 1985; 405(2):277-84

[Peridural morphine in intractable cancer pains. Means and obstacles] Bayer-Berger MM, et al. **Ann Fr Anesth Reanim** 1985;4(4):343-50 (Eng. Abstr.) **(Fre)**

[Value of stereotaxic mesencephalic tractotomy in neoplastic cervicofacial pain] Cohadon F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(1):9-10 (Eng. Abstr.) **(Fre)**

[Recent progress in the pathogenesis and treatment of neoplastic hypercalcemia] Body JJ, et al. **Rev Med Brux** 1985 Feb;6(2):81-4 (Eng. Abstr.) **(Fre)**

[Hygienic relations and stability of drugs in peridural long-term infusion with implanted or external pumps] Müller H, et al. **Anaesthesist** 1985 May;34(5):247-51 (Eng. Abstr.) **(Ger)**

[Importance of fibroblast chemotaxis in wound healing and tumor cell evasion] Mensing H. **Klin Wochenschr** 1985 Feb 15;63(4):145-51 (77 ref.) (Eng. Abstr.) **(Ger)**

[Fusion of tumor with host cells in vivo] Lanir N, et al. **Harefuah** 1984 Jun 15;106(12):574-6 **(Heb)**

[The study of neuro-adrenolysis of pituitary gland on cancer pain and experimental approach to reveal its mechanism of pain relief] Sasaki K. **Hokkaido Igaku Zasshi** 1985 Jan; 60(1):24-37 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of morphine hydrochloride suppository] Sato T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Feb 20;19(1):80-7 (Eng. Abstr.) **(Jpn)**

[Chemical neurolysis in advanced neoplasms] Kuś M, et al. **Pol Tyg Lek** 1985 Feb 11;40(6):175-7 (32 ref.) **(Pol)**

[Determination of the pH of solid tumors] Sidorenko MV, et al. **Eksp Onkol** 1984;6(6):48-50 (Eng. Abstr.) **(Rus)**

[Relation between somatotropin and somatostatin secretion in cancer patients] Molodyk AA, et al. **Med Radiol (Mosk)** 1985 Jun;30(6):34-7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

General environmental modifiers of carcinogenesis. Ramel C. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 2:181-96 (37 ref.)

Multistage skin carcinogenesis: a useful model for the study of the chemoprevention of cancer. Slaga TJ. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 2:107-24 (11 ref.)

Defenses against aflatoxin carcinogenesis in humans. Masri MS. **Adv Exp Med Biol** 1984;177:115-46

Nutrition and cancer. Prevention and treatment. Hutchinson M. **Ala J Med Sci** 1984 Oct;21(4):387-9

Prevention of cancer: practical prospects. Doll R. **Ann Acad Med Singapore** 1984 Apr;13(2):194-205 (52 ref.)

Naturally occurring anticarcinogenic substances in foodstuffs. Fiala ES, et al. **Annu Rev Nutr** 1985;5:295-321 (155 ref.)

More reports from the front in war against cancer. Gunby P. **Arch Intern Med** 1985 Oct;145(10):1769

We must stop selling cancer to our children [editorial] Bailey BJ. **Arch Otolaryngol** 1985 Oct;111(10):637-8

Vitamin E, A and C: cancer prevention agents? Watson RR. **Ariz Med** 1984 Oct;41(10):671-3 (8 ref.)

Cancer precursors and their control by stimulation of the immune system. Rosenthal SR. **Biomed Pharmacother** 1984; 38(9-10):429-33

The roles of vitamin A in the prevention of neoplastic diseases: a critical assessment. Cerruti Sola S, et al. **Boll Ist Sieroter Milan** 1985;64(1):1-5 (48 ref.)

Survey of physicians' attitudes and practices in early cancer detection. **CA** 1985 Jul-Aug;35(4):197-213

The scientific approach to cancer control. Greenwald P, et al. **CA** 1984 Nov-Dec;34(6):328-32

Guidelines for the cancer-related checkup: five years later [editorial] Holleb AI. **CA** 1985 Jul-Aug;35(4):194-6

Patterns of preventive practice in New Brunswick. Battista RN, et al. **Can Med Assoc J** 1985 May 1;132(9):1013-5

The World Health Organization and cancer [editorial] Hart GD. **Can Med Assoc J** 1985 Aug 15;133(4):269-71

Chemical carcinogens and inhibitors of carcinogenesis in the human diet. Carr BI. **Cancer** 1985 Jan 1;55(1 Suppl):218-24

The contribution of epidemiological and experimental data to the control of environmental carcinogens. Tomatis L. **Cancer Lett** 1985 Feb;26(1):5-16

Chemoprevention of cancer. Wattenberg LW. **Cancer Res** 1985 Jan;45(1):1-8 (83 ref.)

Screening for cancer in adults. Eddy DM. **Ciba Found Symp** 1985;110:88-109

13-Cis-retinoic acid: pharmacology, toxicology, and clinical applications for the prevention and treatment of human cancer. Meyskens FL Jr, et al. **CRC Crit Rev Oncol Hematol** 1985;3(1):75-101 (113 ref.)

Screening by nurse clinicians in cancer prevention and detection. White LN, et al. **Curr Probl Cancer** 1985 Apr; 9(4):1-42

Changes in cellular glutathione levels: possible relation to selenium-mediated anticarcinogenesis. LeBoeuf RA, et al. **Fed Proc** 1985 Jun;44(9):2563-7

Considerations on the assessment of selenium status. Levander OA. **Fed Proc** 1985 Jun;44(9):2579-83

Relevance of epidemiology to policies for the prevention of cancer. Doll R. **Hum Toxicol** 1985 Jan;4(1):81-96 (21 ref.)

Cancer, a universal scourge [editorial] Tomiche FJ. **Hygie** 1984 Sep;3(3):3-5 **(Eng, Spa, Fre)**

Public education in primary and secondary cancer prevention. Van Parijs LG, et al. **Hygie** 1984 Sep;3(3):16-28

WHO cancer control programme in the African region. Chuwa C. **IARC Sci Publ** 1984;(63):263-9

Clinical implications of current studies in carcinogenesis. Ponder BA. **J Cancer Res Clin Oncol** 1984;108(3):264-73 (58 ref.)

Cancer prevention [editorial] Horton J. **J Clin Oncol** 1985 Jun;3(6):747-8

Chemoprevention of cancer: implications for clinical pharmacology. Micozzi MS, et al. **J Clin Pharmacol** 1985 Apr;25(3):164-75

Reducing the death rate from cancer. Huguley CM Jr. **J Med Assoc Ga** 1984 Nov;73(11):781-3

Ethnicity and cancer prevention in a tri-ethnic urban community. Coreil J. **J Natl Med Assoc** 1984 Oct; 76(10):1013-9

Cancer prevention in the schools. Iammarino NK, et al. **J Sch Health** 1985 Mar;55(3):86-95

Screening for risk factors as a component of a chronic disease prevention program for youth. Walter HJ, et al. **J Sch Health** 1985 May;55(5):183-8

Vitamin A and cancer prevention conference. Sponsored by the Malnutrition Panel, U.S.-Japan Cooperative Medical Science Program of the National Institute of Arthritis Diabetes, and Digestive and Kidney Diseases, and the National Cancer Institute. February 28-29, 1984, Bethesda, Maryland. **JNCI** 1984 Dec;73(6):1365-489

The new emphasis in cancer control. Greenwald P, et al. **JNCI** 1985 Mar;74(3):543-51

Protease inhibitors as anticarcinogens. Troll W, et al. **JNCI** 1984 Dec;73(6):1245-50

Vitamin A and cancer prevention conference--an introduction. Underwood BA. **JNCI** 1984 Dec; 73(6):1371-2

Resources: cancer prevention. Cox DS, et al. **Md Med J** 1985 Jan;34(1):83-90

Cancer as a preventable disease. DeVita VT Jr. **Md Med J** 1985 Jan;34(1):41-3

Diet and cancer prevention. Greenwald P. **Md Med J** 1985 Jan;34(1):44-9

Economic evaluation of the benefits of cancer prevention and health promotion programs. Tager AM, et al. **Md Med J** 1985 Jan;34(1):77-82

Cancer risk reduction: a focus on physicians. Valente CM, et al. **Md Med J** 1985 Jan;34(1):67-70

Public perception of cancer risk and prevention: implications for physicians. Wilson J, et al. **Md Med J** 1985 Jan; 34(1):63-6

Cancer surveillance. Who stands to benefit? Lamon JM. **Postgrad Med** 1985 Sep 1;78(3):55-8, 63-70

Cancer Prevention Awareness Program: targeting black Americans [editorial] DeVita VT Jr. **Public Health Rep** 1985 May-Jun;100(3):253-4

Is the war on cancer being won? [news] Kolata G. **Science** 1985 Aug 9;229(4713):543-4

The 2 x 2 factorial design: its application to a randomized trial of aspirin and carotene in U.S. physicians. Stampfer MJ, et al. **Stat Med** 1985 Apr-Jun;4(2):111-6

[Regional analysis of participation in the mandatory cancer detection program in 1981 in West Germany] Robra BP, et al. **Off Gesundheitswes** 1984 Oct;46(10):499-503 **(Ger)**

[Cancer prevention. Errors and confusions] Goerttler K. **Pathologe** 1984 May;5(3):177-82 **(Ger)**

[Attitude correlates of participation in cancer prevention studies] Schenk J. **Psychother Psychosom Med Psychol** 1984 Sep-Oct;34(9-10):252-8 (Eng. Abstr.) **(Ger)**

[Cancer prevention in developing countries] Sarkady L. **Orv Hetil** 1985 Jul 28;126(30):1860-1 **(Hun)**

[Anticarcinogenesis. Possibilities in preventing cancer] Høstmark JG. **Tidsskr Nor Laegeforen** 1985 Jan 30; 105(3):219-22 (Eng. Abstr.) **(Nor)**

[Vitamin A and its potential use in cancer prevention] Janik P, et al. **Pol Tyg Lek** 1985 Jan 7;40(1):21-3 (26 ref.) **(Pol)**

[Hygienic classification of carcinogenic substances and the potentials for its use in preventing carcinogenic exposures] Litvinov NN. **Gig Sanit** 1985 Jun;(6):10-3 (Eng. Abstr.) **(Rus)**

[Automated data collection and retrieval systems in mass preventive oncological examinations] Shubin BM, et al. **Sov Med** 1984;(10):53-7 **(Rus)**

[Prospects for the use of short-term tests in primary cancer prevention] Khudoleĭ VV, et al. **Vopr Onkol** 1984; 30(8):3-12 (47 ref.) **(Rus)**

[The oncological component in a mass screening system] Mishura VI, et al. **Vopr Onkol** 1984;30(9):21-8 **(Rus)**

[Prophylaxis, detection and prevention] García G. **Gac Med Mex** 1985 Jan-Feb;121(1-2):71-6 **(Spa)**

PSYCHOLOGY

Coping with cancer: psychological dimensions. Manos N, et al. **Acta Psychiatr Scand** 1985 Jul;72(1):1-5

A rating scale for emotional distress in patients with malignant diseases. Wiholm BE, et al. **Acta Psychiatr Scand** 1984 Oct;70(4):378-88

Sexuality in cancer patients. Walbroehl GS. **Am Fam Physician** 1985 Jan;31(1):153-8

Quality of life in cancer patients. Who measures what? Presant CA. **Am J Clin Oncol** 1984 Oct;7(5):571-3

Care of patients with incurable, chronic neoplasm. One patient's perspective. Papper S. **Am J Med** 1985 Feb; 78(2):271-6

Pseudocancer symptoms and mourning [letter] Kerr HD. **Ann Intern Med** 1985 May;102(5):720

Behavioral analysis in behavioral medicine. Redd WH, et al. **Behav Modif** 1985 Apr;9(2):131-54

Coping with difficult-to-treat cancer patients. Hyland JM.

NEWARK PUBLIC LIBRA

et al. **Bull Menninger Clin** 1984 Jul;48(4):329–41

Factors affecting adjustment to cancer. Novotny ES, et al. **Bull Menninger Clin** 1984 Jul;48(4):318–28 (38 ref.)

Psychotherapy with cancer patients. Tarnower W. **Bull Menninger Clin** 1984 Jul;48(4):342–50

The use of hypnosis in controlling cancer pain. Spiegel D. **CA** 1985 Jul–Aug;35(4):221–31

Got it all [letter] Grose WE. **Can Med Assoc J** 1985 Aug 1;133(3):181

Sexual functioning morbidity among cancer survivors. Current status and future research directions. Andersen BL. **Cancer** 1985 Apr 15;55(8):1835–42

A psychological analysis of cancer patients and their next–of–kin. Cassileth BR, et al. **Cancer** 1985 Jan 1; 55(1):72–6

Psychosocial aspects of artificial feeding. Padilla GV, et al. **Cancer** 1985 Jan 1;55(1 Suppl):301–4

Library collection of the psychosocial publications in consultation–liaison psychiatry. McCartney CF, et al. **Gen Hosp Psychiatry** 1985 Jan;7(1):73–82

Preventive psychosocial intervention with newly diagnosed cancer patients. Worden JW, et al. **Gen Hosp Psychiatry** 1984 Oct;6(4):243–9

The psychological needs of the cancer patient and the help nurses can provide. Poletti R. **Hygie** 1984 Sep;3(3):33–5

Social support network of Taiwanese cancer patients. Lindsey AM, et al. **Int J Nurs Stud** 1985;22(2):149–64

Does ethnicity constitute a risk factor in the psychological distress of adolescents with cancer? Zeltzer LK, et al. **J Adolesc Health Care** 1985 Jan;6(1):8–11

The psychosocial impact of cancer on the elderly: a comparison with younger patients. Ganz PA, et al. **J Am Geriatr Soc** 1985 Jun;33(6):429–35

Living with cancer: the Cancer Inventory of Problem Situations. Heinrich RL, et al. **J Clin Psychol** 1984 Jul; 40(4):972–80

Motivational deficit in depressed cancer patients. Layne C, et al. **J Clin Psychol** 1985 Mar;41(2):139–44

Relationships with the medical staff and aspects of satisfaction with care expressed by parents of children with cancer. Barbarin OA, et al. **J Community Health** 1984 Summer; 9(4):302–13

Stress and activity management: group treatment for cancer patients and spouses. Heinrich RL, et al. **J Consult Clin Psychol** 1985 Aug;53(4):439–46

Coping with cancer among holocaust survivors in Israel: an exploratory study. Baider L, et al. **J Human Stress** 1984 Fall;10(3):121–7

Helping patients cope: the role of the patient visitor in cancer care. Connelly SS. **J Med Assoc Ga** 1984 Dec;73(12):846–8

The effect of counseling cancer patients on attitudes of medical students. Kaye J. **J Med Educ** 1985 Jun;60(6):491–2

Quality of life in cancer patients––an hypothesis. Calman KC. **J Med Ethics** 1984 Sep;10(3):124–7

Helping cancer patients cope [interview] MacNeil–Zimberg M. **J Psychosoc Nurs Ment Health Serv** 1985 Jun;23(6):31–4

Psychosocial factors as strong predictors of mortality from cancer, ischaemic heart disease and stroke: the Yugoslav prospective study. Grossarth–Maticek R, et al. **J Psychosom Res** 1985;29(2):167–76

Depression and anxiety in cancer patients: evidence for different causes. Robinson JK, et al. **J Psychosom Res** 1985; 29(2):133–8

Cancer: myths and misconceptions. Box V. **J R Soc Health** 1984 Oct;104(5):161–6, 170

How to participate in your own health: a cancer patient's view. Skinner B. **Lancet** 1984 Oct 27;2(8409):971–2

Psychophysiological aspects of cancer. Weinstock C. **Med Hypotheses** 1984 Dec;15(4):369–83

Medical students' concepts of childhood cancer and its management. Hays DM, et al. **Med Pediatr Oncol** 1985; 13(2):78–82

Psychosocial problems in families of a child with cancer. Schuler D, et al. **Med Pediatr Oncol** 1985;13(4):173–9

Seasons of survival: reflections of a physician with cancer. Mullan F. **N Engl J Med** 1985 Jul 25;313(4):270–3

Stress reduction. A spectrum of strategies in pediatric oncology nursing. Gibbons MB, et al. **Nurs Clin North Am** 1985 Mar;20(1):83–103

Neuropsychological sequelae of childhood cancer in long–term survivors. Copeland DR, et al. **Pediatrics** 1985 Apr;75(4):745–53

Size of human figure drawing and Goodenough–Harris scores of pediatric oncology patients: a pilot study. Paine P, et al. **Percept Mot Skills** 1985 Jun;60(3):911–4

Relaxation therapy for far–advanced cancer. Fleming U. **Practitioner** 1985 May;229(1403):471–5

Psychosocial intervention with the child cancer patient and family. Binger CM. **Psychosomatics** 1984 Dec; 25(12):899–902

Cancer counseling by telephone help–line: the UCLA Psychosocial Cancer Counseling Line. Rainey LC. **Public Health Rep** 1985 May–Jun;100(3):308–15

Cancer and the mind. **Soc Sci Med** 1985;20(8):771–853

Cancer from a biobehavioural and social epidemiological perspective. Baltrusch HJ, et al. **Soc Sci Med** 1985; 20(8):789–94 (74 ref.)

The quality of life of cancer patients: a review of the literature. de Haes JC, et al. **Soc Sci Med** 1985;20(8):809–17 (66 ref.)

Factors important to psychosocial adjustment to cancer: a review of the evidence. Goldberg RJ, et al. **Soc Sci Med** 1985;20(8):803–7 (60 ref.)

Why me? Attributions and adjustment by cancer patients and their mates at two stages in the disease process. Gotay CC. **Soc Sci Med** 1985;20(8):825–31

Towards a psychobiological model of cancer: psychological considerations. Greer S, et al. **Soc Sci Med** 1985;20(8):773–7

Improving the detection of psychiatric problems in cancer patients. Maguire P. **Soc Sci Med** 1985;20(8):819–23

Aspects of the European dying process. Palouzie AM. **Soc Sci Med** 1985;20(8):851–3

Cancer patients' personality characteristics, physician–patient communication and adoption of the Moerman diet. Pruyn JF, et al. **Soc Sci Med** 1985;20(8):841–7

Crisis intervention: a drop–in support group for cancer patients and their families. Berger JM. **Soc Work Health Care** 1984 Winter;10(2):81–92

Social work with cancer patients: stresses and coping patterns. Davidson KW. **Soc Work Health Care** 1985 Summer;10(4):73–82

Cancer and the development of will. Rijke RP. **Theor Med** 1985 Jun;6(2):133–42

[Psychosomatic aspects of malignant tumors] Baštecký J, et al. **Cas Lek Cesk** 1984 Jul 13;123(28):860–4 (Eng. Abstr.) **(Cze)**

[The truth or a merciful lie in communicating the basic diagnosis to patients with malignant tumors?] Bauer J. **Cas Lek Cesk** 1985 Apr 19;124(16):501–3 (Eng. Abstr.) **(Cze)**

[Psychosocial orientation in medicine with emphasis on clinical oncology] Boleloucký Z, et al. **Cas Lek Cesk** 1985 Jun 28;124(26):806–9 (Eng. Abstr.) **(Cze)**

[Observations on the psychosocial aspects of cancer patients] Boleloucký Z, et al. **Cas Lek Cesk** 1984 Jul 13;123(28):865–7 (Eng. Abstr.) **(Cze)**

[Psychological aspects of the care of children with cancer] Zemanová A. **Cesk Pediatr** 1984 Feb;39(2):92–4 (Eng. Abstr.) **(Cze)**

[Psychosocial consequences of cancer in a child for its parents and siblings] Hoffmeister M, et al. **Monatsschr Kinderheilkd** 1984 Aug;132(8):600–2 (Eng. Abstr.) **(Ger)**

[Development, structure and initial evaluation of a comprehensive psychosocial care program for children with cancer and their families] Thiel R, et al. **Monatsschr Kinderheilkd** 1985 Jan;133(1):22–7 (Eng. Abstr.) **(Ger)**

[Problems in the relations between physicians and cancer patients] Reimer C, et al. **Psychother Psychosom Med Psychol** 1985 Mar–Apr; 35(3–4):86–94 (Eng. Abstr.) **(Ger)**

[The psyche and cancer] Hürny C. **Schweiz Med Wochenschr** 1984 Dec 8;114(49):1827–33 (Eng. Abstr.) **(Ger)**

[Internal/external locus of control and early examinations for cancer diagnosis] Hornung R. **Soz Praventivmed** 1984; 29(4–5):229–30 (Eng. Abstr.) **(Ger)**

[Concept of the double as a problem of relationships in problems of leukemia and terminal cancer patients and its appearance in art therapy] Dreifuss E, et al. **Z Psychosom Med Psychoanal** 1984;30(3):282–91 (Eng. Abstr.) **(Ger)**

[Relations with cancer patients] Hartmann G. **Zentralbl Chir** 1985;110(1):1–11 (Eng. Abstr.) **(Ger)**

[Psychosomatic aspects of neoplastic pathology] Meluzzi A, et al. **Minerva Psichiatr** 1984 Apr–Jun;25(2):75–84 (Eng. Abstr.) **(Ita)**

[A clinical psychiatric study on the psychological process of the patients with the terminal cancer] Ueno I. **Seishin Shinkeigaku Zasshi** 1984;86(10):787–812 **(Jpn)**

[Parental attitudes and the educational needs of children with cancer] Bożek J, et al. **Pediatr Pol** 1984 Dec;59(12):1021–5 (Eng. Abstr.) **(Pol)**

[Preliminary analysis and elaboration of the methods of study of the attitude of parents of children with neoplasms and the methods of psychotherapy and evaluation of physical fitness of these children] Bożek J, et al. **Probl Med Wieku Rozwoj** 1984;13:139–44 (Eng. Abstr.) **(Pol)**

[Concerning the patient with cancer...] Faria SL. **AMB** 1984 May–Jun;30(5–6):121–4 (Eng. Abstr.) **(Por)**

[Disease awareness among oncology patients] Tkhostov ASh. **Zh Nevropatol Psikhiatr** 1984;84(12):1839–44 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

CT and angiography of primary extradural juxtasellar tumors. Moore T, et al. **AJR** 1985 Sep;145(3):491–6

Whole body computed tomography in cancer management. Husband JE. **Br J Hosp Med** 1985 Jul;34(1):25–31

Role of the CT scanner in the management of cancer. Husband JE. **Br Med J [Clin Res]** 1985 Feb 16; 290(6467):527–30 (51 ref.)

Clinical evaluation of neutron beam therapy. Current results and prospects, 1983. Cohen L, et al. **Cancer** 1985 Jan 1; 55(1):10–7

Compton imaging. Holt RS. **Endeavour** 1985;9(2):97–105

Tumor involvement of peripheral joints other than the knee: arthrographic evaluation. De Smet AA, et al. **Radiology** 1985 Sep;156(3):597–601

The portacaval space: CT with MR correlation. Zirinsky K, et al. **Radiology** 1985 Aug;156(2):453–60

The use of CT in radiotherapy treatment planning. Dobbs HJ, et al. **Radiother Oncol** 1983 Nov;1(2):133–41

[Pharmacolymphography with Venalot and Venoruton––a 7 years' report] Schmidt F, et al. **Radiol Diagn (Berl)** 1985; 26(1):41–51 (Eng. Abstr.) **(Ger)**

[Roentgen diagnosis of malignant tumors in patients with kidney transplants] Raaijmakers PA, et al. **ROFO** 1984 Dec;141(6):678–82 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Recent advances in tumour imaging. Use of radiolabelled antitumour antibodies. Begent RH. **Biochim Biophys Acta** 1985;780(2):151–66 (75 ref.)

A comparison of the tumor–seeking agent Tc–99m(V) dimercaptosuccinic acid and the renal imaging agent Tc–99m dimercaptosuccinic acid in humans. Ohta H, et al. **Clin Nucl Med** 1985 Mar;10(3):167–70

The preparation and characterisation of 111In–labelled 791T/36 monoclonal antibody for tumour immunoscintigraphy. Perkins AC, et al. **Eur J Nucl Med** 1985;10(7–8):296–301

Selective alkylation of pyrimidyldianions: synthesis and purification of 11C labeled thymidine for tumor visualization using positron emission tomography. Sundoro–Wu BM, et al. **Int J Appl Radiat Isot** 1984 Aug; 35(8):705–8

Radioimmunoimaging with 99mTc monoclonal antibodies: clinical studies. Morrison RT, et al. **Int J Nucl Med Biol** 1984;11(2):184–8

The status of SPECT in tumor diagnosis. DeLand FH, et al. **J Nucl Med** 1984 Dec;25(12):1375–9 (24 ref.)

Radiolabeled monoclonal anti–tumor antibodies in diagnosis and therapy. Larson SM. **J Nucl Med** 1985 May; 26(5):538–45

Localization of tumours using radiolabelled antibodies. Bradwell AR, et al. **Med Lab Sci** 1984 Jul;41(3):267–78

Radiolabelled monoclonal antibodies: a new diagnostic tool in nuclear medicine. Pauwels EK, et al. **Radiother Oncol** 1984 Mar;1(4):333–8

Positron emission tomography in the study of human tumors. Beaney RP. **Semin Nucl Med** 1984 Oct;14(4):324–41 (93 ref.)

The role of gallium–67 in the clinical evaluation of cancer. Bekerman C, et al. **Semin Nucl Med** 1984 Oct;14(4):296–323 (188 ref.)

Positron emission tomography in oncology––the Massachusetts General Hospital experience. Brownell GL, et al. **Semin Nucl Med** 1985 Apr;15(2):201–9

Diagnosis and treatment of neoplasms with radionuclide–labeled antibodies. DeLand FH, et al. **Semin Nucl Med** 1985 Jan;15(1):2–11

Role of nuclear medicine in chemotherapy of malignant lesions. Kim EE, et al. **Semin Nucl Med** 1985 Jan; 15(1):12–20 (41 ref.)

Nuclear oncology 1984. Larson SM, et al. **Semin Nucl Med** 1984 Oct;14(4):268–76 (67 ref.)

Contribution of radionuclide imaging to radiation oncology. Mansfield CM, et al. **Semin Nucl Med** 1985 Jan;15(1):28–45 (59 ref.)

Pediatric applications in nuclear oncology. Sty JR, et al. **Semin Nucl Med** 1985 Apr;15(2):171–200 (238 ref.)

[Tumor–localizing agents: synthesis of N–substituted iminodiacetic acids] Zou ZG, et al. **Yao Hsueh Hsueh Pao** 1984 Aug;19(8):630–2 (Eng. Abstr.) **(Chi)**

[Possibilities of using monoclonal antibodies to CEA in scintigraphic diagnosis of tumors] Steenbeck L, et al. **Arch Geschwulstforsch** 1985;55(3):207–14 (46 ref.) (Eng. Abstr.) **(Ger)**

[Cancer diagnosis with positron emission computed tomography] Matsuzawa T, et al. **Nippon Rinsho** 1984 Jul; 42(7):1701–18 (29 ref.) **(Jpn)**

[Re–evaluation of the indication of Ga–67 scintigraphy] Takanashi T, et al. **Rinsho Hoshasen** 1984 Nov; 29(12):1389–92 (Eng. Abstr.) **(Jpn)**

[Gamma scintigraphy of lymphatic nodes with metastatic involvement] Mechev DS, et al. **Med Radiol (Mosk)** 1985 Apr;30(4):3–7 (Eng. Abstr.) **(Rus)**

[Clinical application of 113mIn–chloride for indirect lower radionuclide lymphography in cancer patients] Kanaev SV, et al. **Vopr Onkol** 1984;30(11):33–7 (Eng. Abstr.) **(Rus)**

[Antibodies labelled with isotopes for tumor detection (letter)] Téllez M. **Rev Med Chil** 1984 Nov;112(11):1154–5 **(Spa)**

RADIOTHERAPY

Dosimetric precision requirements in radiation therapy. Brahme A. **Acta Radiol [Oncol]** 1984;23(5):379–91

Fractionated radiation therapy after Strandqvist. Fowler JF. **Acta Radiol [Oncol]** 1984;23(4):209–16

The impact of CT CORRELATE ScoutView images on radiation therapy planning. Shuman WP, et al. **AJR** 1985 Sep;145(3):633–8

Proceedings of the American Radium Society 67th annual meeting. April 27–May 1, 1985, Acapulco, Mexico. Abstracts. **Am J Clin Oncol** 1985 Feb;8(1):11–26

Encapsulated iodine–125 in radiation oncology. II. Study of the dose rate effect on potentially lethal damage repair (PLDR) using mammalian cell cultures in plateau phase. Marchese MJ, et al. **Am J Clin Oncol** 1984 Dec;7(6):613–6

Psychotherapy during radiotherapy: effects on emotional and physical distress. Forester B, et al. **Am J Psychiatry** 1985

Jan;142(1):22-7

Medical imaging and its technological development in relation to the treatment of cancer. The first Mayneord lecture, April 1984. Parker RP. **Br J Radiol** 1984 Oct; 57(682):866-75

Radiation oncology in Canada: the increasing manpower crisis. Froud PJ. **Can Med Assoc J** 1985 Feb 15; 132(4):351-7

Radiation oncology in Canada [letter] McGowan DG. **Can Med Assoc J** 1985 May 1;132(9):1005-6

American Cancer Society National Conference on Radiation Oncology 1984. San Francisco, California, June 14-16, 1984. **Cancer** 1985 May 1;55(9 Suppl):2035-302

Accelerated treatment. Barkley HT Jr. **Cancer** 1985 May 1; 55(9 Suppl):2112-7

Radiation oncology. Programs for the present and future. Brady LW, et al. **Cancer** 1985 May 1;55(9 Suppl):2037-50 (141 ref.)

Clinical prospects of improvements in radiotherapy. Chu FC. **Cancer** 1968 Oct;22(4):796-801

Large-dose fractionation (hypofractionation). Cox JD. **Cancer** 1985 May 1;55(9 Suppl):2105-11

Iridium afterloading curietherapy in the treatment of pediatric malignancies. The Institut Gustave Roussy experience. Gerbaulet A, et al. **Cancer** 1985 Sep 15; 56(6):1274-9

Future prospects in planning radiation therapy. Goitein M. **Cancer** 1985 May 1;55(9 Suppl):2234-9

Techniques of interstitial and intracavitary radiation. Hilaris BS. **Cancer** 1968 Oct;22(4):745-51

Clinical factors determining curative tumor dose. Jones A. **Cancer** 1968 Oct;22(4):759-66

Realistic treatment planning. Laughlin JS. **Cancer** 1968 Oct; 22(4):716-29

Particle radiation therapy. Parker RG. **Cancer** 1985 May 1; 55(9 Suppl):2240-5

Predicting radiocurability. Peters LJ, et al. **Cancer** 1985 May 1;55(9 Suppl):2118-22

Critical evaluation of the role of nutritional support for radiation therapy patients. Pezner R, et al. **Cancer** 1985 Jan 1;55(1 Suppl):263-7 (46 ref.)

Current work and future plans of the Russell A. Firestone Radiation Therapy Center. Phillips R. **Cancer** 1968 Oct; 22(4):697-702

The incidence of second neoplasms following megavoltage radiation for pediatric tumors. Potish RA, et al. **Cancer** 1985 Oct 1;56(7):1534-7

Effects of preparatory patient education for radiation oncology patients. Rainey LC. **Cancer** 1985 Sep 1; 56(5):1056-61

Current status of high linear energy transfer irradiation. Richter MP, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2814-22 (61 ref.)

Clinical radiation pathology as applied to curative radiotherapy. Rubin P, et al. **Cancer** 1968 Oct;22(4):767-78

Clinical trials in a radiotherapy center. Watson IA. **Cancer** 1968 Oct;22(4):711-5

Biologic basis for altered fractionation schemes. Withers HR. **Cancer** 1985 May 1;55(9 Suppl):2086-95

The role of radiation in the treatment of cancer:radiobiologic and cell kinetic concepts. Archambeau JO, et al. **Curr Probl Cancer** 1984 Jul;8(13):1-56

Scattered radiation doses to some critical organs during pediatric radiotherapy. Agard ET, et al. **Health Phys** 1985 Apr;48(4):447-51

Particle radiotherapy. Griffin TW. **Hosp Pract [Off]** 1985 Sep 15;20(9):91-5, 98-106

Opportunities for improving photon radiotherapy. Phillips TL. **Hosp Pract [Off]** 1985 Aug 15;20(8):55-65

Kinetic aspects of misonidazole and its major metabolite in radiotherapy. Meering PG, et al. **Hum Toxicol** 1985 Jul; 4(4):425-34

Proceedings of the American Society for Therapeutic Radiology and Oncology, 27th annual meeting. September 29-October 4, 1985, Miami Beach, Florida. Abstracts. **Int J Radiat Oncol Biol Phys** 1985 Sep;11 Suppl 1:1-222

Intraoperative radiotherapy--past, present and future. Abe M. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1987-90

Benefit, risk, and optimization by ROC analysis in cancer radiotherapy. Andrews JR. **Int J Radiat Oncol Biol Phys** 1985 Aug;11(8):1557-62

Initial report of the phase I trial of the hypoxic cell radiosensitizer SR-2508. Coleman CN, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1749-53

Hypoxic cell radiosensitizers: expectations and progress in drug development. Coleman CN. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):323-9 (35 ref.)

Alterations of fractionation [editorial] Cox JD. **Int J Radiat Oncol Biol Phys** 1984 Nov;10(11):2165-6

Requirements for a treatment planning system for radioimmunotherapy. DeNardo GL, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):335-48 (65 ref.)

Is NSD-TDF useful to radiotherapy? Ellis F. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1685-97

Intrinsic radiosensitivity of human cell lines is correlated with radioresponsiveness of human tumors: analysis of 101 published survival curves. Fertil B, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1699-707

Routine quality control of Ir-192 sources: results of 46 months of surveillance. Findley DO, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1727-30

Eighth annual Juan del Regato lecture. Chemical modifiers of radiosensitivity--theory and reality: a review. Fowler JF. **Int J Radiat Oncol Biol Phys** 1985 Apr;11(4):665-74 (77 ref.)

Intraoperative radiation therapy at the National Cancer Institute: technical innovations and dosimetry. Fraass BA, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1299-311

Peripheral dose to the testes: the design and clinical use of a practical and effective gonadal shield. Fraass BA, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):609-15

History of microwave electron linear accelerators for radiotherapy. Ginzton EL, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):205-16

The imaging revolution and radiation oncology: use of CT, ultrasound, and NMR for localization, treatment planning and treatment delivery. Glatstein E, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):299-314

Strategies for treating possible tumor extension: some theoretical considerations. Goitein M, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug;11(8):1519-28

Combined treatment of radiation and local injections of misonidazole. Hong SS, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2369-73

The influence of radiation therapy on T-lymphocyte subpopulations defined by monoclonal antibodies. Job G, et al. **Int J Radiat Oncol Biol Phys** 1984 Nov; 10(11):2077-81

Significance of initial 'performance status' in patients receiving halfbody radiation. Jones PW, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1947-50

Tolerance of peripheral nerve to intraoperative radiotherapy (IORT): clinical and experimental studies. Kinsella TJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1579-85

Comparative dosimetry between iridium wires and seed ribbons. Marinello G, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1733-9

Multi-institutional randomized clinical trials as a research method in cancer. Ortiz HG. **Int J Radiat Oncol Biol Phys** 1985 May;11(5):1053-6

Clinical experience with a computerized record and verify system. Podmaniczky KC, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug;11(8):1529-37

Impact of a dosimetry review program on radiotherapy in group trials. Reinstein LE, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1179-84

Orthovoltage intraoperative radiotherapy: a new look at an old idea. Rich TA, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1957-65

The emergence of radiation oncology as a distinct medical specialty. Rubin P. **Int J Radiat Oncol Biol Phys** 1985 Jul; 11(7):1247-70

Local hyperthermia in combination with definitive radiotherapy: increased tumor clearance, reduced recurrence rate in extended follow-up. Scott RS, et al. **Int J Radiat Oncol Biol Phys** 1984 Nov;10(11):2119-23

Misonidazole with dexamethasone rescue: an escalating dose toxicity study. Tanasichuk H, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1735-7

Clinical trials with hypoxic cell sensitizers. time to retrench or time to push forward? Urtasun RC, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1691-6 (36 ref.)

A simple system for manual image reconstruction from pairs of X ray films. van de Geijn J, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2375-9

Localization and protection of kidneys in radiation treatment planning using computed tomography. Vigneri P, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1209-13

The Piotron: II. Methods and initial results of dynamic pion therapy in phase II studies. von Essen CF, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):217-26

Dose-response relationships for human tumors: implications for clinical trials of dose modifying agents. Williams MV, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1703-7

Quantitation of the response of human tumor spheroids to daily radiation exposures. Yuhas JM, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2323-7

Preliminary report on AT1727 as a potential radiosensitizer. Zhang ZY, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec; 10(12):2305-7

An oral disease prevention program for patients receiving radiation and chemotherapy. Wright WE, et al. **J Am Dent Assoc** 1985 Jan;110(1):43-7

Radiation oncology--the misunderstood specialty. Wong F, et al. **J Can Assoc Radiol** 1984 Jun;35(2):144-8

Modern radiation therapy. Dosi KS. **J Indian Med Assoc** 1984 Aug;82(8):301-2

Psychological reactions to radiation therapy: reconsideration of the adaptive aspects of anxiety. Andersen BL, et al. **J Pers Soc Psychol** 1985 Apr;48(4):1024-32

Clinical experience with the 22-MeV microtron at the National Cancer Center Hospital. Egawa S, et al. **Jpn J Clin Oncol** 1984 Dec;14(4):613-22

Calculation of radiation doses for nonuniformity distributed beta and gamma radionuclides in soft tissue. Kwok CS, et al. **Med Phys** 1985 Jul-Aug;12(4):405-12

Digital processing of high-energy photon beam images. Meertens H. **Med Phys** 1985 Jan-Feb;12(1):111-3

A constrained least-squares optimization method for external beam radiation therapy treatment planning. Starkschall G. **Med Phys** 1984 Sep-Oct;11(5):659-65

Effects of a bolus and inhomogeneities on pion stopping distributions. Wright HA, et al. **Med Phys** 1984 Nov-Dec; 11(6):751-4

A liquid ionisation detector for digital radiography of therapeutic megavoltage photon beams. Meertens H, et al. **Phys Med Biol** 1985 Apr;30(4):313-21

Radioactive derivatives of 2-methyl-1, 4-naphthoquinol bis (diphosphate salt) as anti-cancer drugs with high LET radiations. Mitchell JS, et al. **Prog Clin Biol Res** 1984; 166:327-35

Heavy charged particle irradiation of human cancers. Castro JR. **Radiat Med** 1983 Jan-Mar;1(1):70-5

Radiotherapy in Japan. Tsunemoto H. **Radiat Med** 1983 Apr-Jun;1(2):174-85

Preliminary report on long-term results of pion therapy at Los Alamos. von Essen CF. **Radiat Med** 1983 Oct-Dec; 1(4):314-9

Proportional counter dosimetry and microdosimetry for radiotherapy with multiple pion beams. Schuhmacher H, et al. **Radiat Res** 1985 Jan;101(1):177-96

Measurements of dose distributions for a fast neutron cancer radiotherapy beam. Byrski E, et al. **Radiobiol Radiother (Berl)** 1985;26(1):59-63

Tradescantia stamen hairs: a biological monitor of doses outside the neutron beam used in cancer therapy. Huczkowski J, et al. **Radiobiol Radiother (Berl)** 1985; 26(1):65-9

Some physico-technical aspects of high-dosage one-time upper and lower half-body irradiation. Welker K, et al. **Radiobiol Radiother (Berl)** 1984;25(4):547-56

Intraoperative radiotherapy: an overview. Hollon DA. **Radiol Technol** 1985 Jul-Aug;56(6):424-8

MR imaging in radiation therapy planning. Work in progress. Shuman WP, et al. **Radiology** 1985 Jul;156(1):143-7

The radioresponsiveness of human tumours and the initial slope of the cell survival curve. Deacon J, et al. **Radiother Oncol** 1984 Dec;2(4):317-23 (26 ref.)

Chemical sensitizers for hypoxic cells: a decade of experience in clinical radiotherapy. Dische S. **Radiother Oncol** 1985 Feb;3(2):97-115 (81 ref.)

When and how can we improve precision in radiotherapy? Dutreix A. **Radiother Oncol** 1984 Dec;2(4):275-92

Potentially lethal damage repair as a possible determinant of human tumour radiosensitivity. Guichard M, et al. **Radiother Oncol** 1984 Jan;1(3):263-9

Dose-incidence curves for tumour control and normal tissue injury, in relation to the response of clonogenic cells. Moore JV, et al. **Radiother Oncol** 1983 Nov;1(2):143-57

Erythropoietic recovery in human after extended field radiotherapy. Ferrokinetic studies of patients treated by radiotherapy followed by autologous bone marrow transplantation and of patients treated by moderate doses (20 Gy) of radiotherapy. Parmentier C, et al. **Radiother Oncol** 1985 Apr;3(3):257-65

What is known about tumour proliferation rates to choose between accelerated fractionation or hyperfractionation? Trott KR, et al. **Radiother Oncol** 1985 Jan;3(1):1-9

A new isoeffect curve for change in dose per fraction. Withers HR, et al. **Radiother Oncol** 1983 Nov;1(2):187-91

An update on therapeutic uses of radiotracers in neoplastic disease. Spencer RP. **Semin Nucl Med** 1985 Jan;15(1):21-7 (32 ref.)

Radiosensitizing drugs in relation to individualized treatment. Adams GE. **Strahlentherapie** 1984 Nov;160(11):688-94

Therapeutic applications of Auger and alpha emitting radionuclides. Bloomer WD, et al. **Strahlentherapie** 1984 Dec;160(12):755-7 (17 ref.)

Microdosimetric basis of individualized cancer radiotherapy by radionuclides including Auger effect and the photon activation approach. Booz J. **Strahlentherapie** 1984 Dec; 160(12):745-54 (33 ref.)

New compounds for neutron capture therapy (NCT) and their significance. Fairchild RG, et al. **Strahlentherapie** 1984 Dec;160(12):764-70 (31 ref.)

Photon activation therapy. Fairchild RG, et al. **Strahlentherapie** 1984 Dec;160(12):758-63

DNA-repair and cancer radiotherapy. Kada T, et al. **Strahlentherapie** 1984 Nov;160(11):695-9

The effect of a hypoxic cell sensitizer on cancer radiotherapy: an analysis by a model. Okumura Y, et al. **Strahlentherapie** 1984 Oct;160(10):620-3

The problem of individualized monitoring for tumour and normal tissue responses during radiation therapy. Ryabukhin YuS. **Strahlentherapie** 1984 Nov;160(11):678-80

The present status of neutron therapy. Scherer E, et al. **Strahlentherapie** 1984 Dec;160(12):741-4 (11 ref.)

An approach to the individualization of cancer therapy--determination of DNA, SH-groups and micronuclei. Streffer C, et al. **Strahlentherapie** 1984 Nov; 160(11):661-6

Cancer trends: brachytherapy. Ali MM, et al. **Va Med** 1985 Apr;112(4):244-8

[Biological effects of microwave radiation on cells and their role in treating cancer] Lu YY. **Sheng Li Ko Hsueh Chin Chan** 1984 Jan;15(1):62-7 **(Chi)**

[Pointers on quality assurance in radiotherapy from the physician's point of view] Hüttner J. **Radiobiol Radiother (Berl)** 1984;25(6):827-31 (Eng. Abstr.) **(Ger)**

[Optimization of fractionated radiotherapy of tumors] Ivanov VK. **Radiobiol Radiother (Berl)** 1984;25(5):691-7 (Eng. Abstr.) **(Ger)**

NEWARK PUBLIC LIBRAR

[Physical-technical irradiation planning for combined use of fast neutrons and quantum radiation] Matschke S. **Radiobiol Radiother (Berl)** 1985;26(1):71-6 (Eng. Abstr.) (Ger)

[Conclusions based on cases in the literature on radiation damage to the great arteries] Mau S. **Radiobiol Radiother (Berl)** 1984;25(4):597-606 (39 ref.) (Eng. Abstr.) (Ger)

[Radiation planning requirements using computed tomography] Merkle K, et al. **Radiobiol Radiother (Berl)** 1984;25(6):833-8 (Eng. Abstr.) (Ger)

[Effect of adjustment inaccuracies on dose distributions] Schumann E, et al. **Radiobiol Radiother (Berl)** 1984; 25(5):651-6 (Eng. Abstr.) (Ger)

[Evolving trends in radiotherapy--an introduction to a series of thematically profiled issues of 'Radiobiologia-Radiotherapia'] Strietzel M. **Radiobiol Radiother (Berl)** 1985;26(1):7-14 (Ger)

[Improving dose distribution in neutron therapy] Welker K. **Radiobiol Radiother (Berl)** 1985;26(1):77-83 (Eng. Abstr.) (Ger)

[Indications for and methods of deep electron therapy] Kimmig B, et al. **Rontgenpraxis** 1985 Feb;38(2):68-72 (Ger)

[Radiation resistance: a concept in need of review or a stubborn problem for radio-oncology?] Lütolf UM. **Schweiz Med Wochenschr** 1984 Sep 8;114(36):1232-6 (24 ref.) (Eng. Abstr.) (Ger)

[Evaluation of remission of progressive tumors treated with a simultaneous combination of radiation and platinum therapy] Gefeller D, et al. **Strahlentherapie** 1985 Jan; 161(1):5-12 (Eng. Abstr.) (Ger)

[NMR-diagnosis in radiotherapy?] Gremmel H. **Strahlentherapie** 1985 Aug;161(8):506-10 (Eng. Abstr.) (Ger)

[Representation of tumor and organ contours by projection radiography—an important supplement to radiotherapeutic treatment planning] Hübener KH, et al. **Strahlentherapie** 1985 Mar;161(3):148-53 (Eng. Abstr.) (Ger)

[Clinical dosimetric properties of the TLD-300 thermoluminescent dosimetry detector and its use for measuring spatial dose distribution in patient radiation planning] Olthoff-Münter K, et al. **Strahlentherapie** 1985 Feb;161(2):98-101 (Eng. Abstr.) (Ger)

[Quantification of the biological effect of photons and electrons. 2. Probability of tumor destruction] Rahim H. **Strahlentherapie** 1985 Jan;161(1):47-55 (Eng. Abstr.) (Ger)

[Therapy of elderly cancer patients from the viewpoint of the radiologist] Kuttig H. **Z Gerontol** 1985 May-Jun; 18(3):154-8 (Eng. Abstr.) (Ger)

[Postoperative complications of the radiation-exposed intestine] Stremmel W, et al. **Zentralbl Chir** 1984; 109(10):651-6 (Eng. Abstr.) (Ger)

[Evaluation of the immune function of patients undergoing radiotherapy: results after 18 months] Monti G, et al. **Boll Ist Sieroter Milan** 1985;64(2):142-5 (Eng. Abstr.) (Ita)

[The management of particle accelerators in radiotherapy] Novario R, et al. **Radiol Med (Torino)** 1985 Mar; 71(3):149-54 (Eng. Abstr.) (Ita)

[Radiation therapy and metastasis--biologic and therapeutic aspects] Milas L. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1605-10 (Jpn)

[Radiosensitization research in cancer therapy] Sugahara T. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 1):405-11 (22 ref.) (Eng. Abstr.) (Jpn)

[Flow-cytometric analysis of changes of lymphocyte subsets in the blood of cancer patients during radiotherapy. 7. Special reference to OKT4/OKT8 ratios] Ogawa Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Feb 20;20(1):47-51 (Eng. Abstr.) (Jpn)

[Flow-cytometric analysis of changes in lymphocyte subsets in the blood of cancer patients during radiotherapy. 3. Special reference to OKT4+-lymphocytes] Ogawa Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Apr 20;19(3):573-9 (Eng. Abstr.) (Jpn)

[Flow-cytometric analysis of changes in lymphocyte subsets in the blood of cancer patients during radiotherapy. 2. Special reference to OKM1+-lymphocytes] Ogawa Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Apr 20;19(3):566-72 (Eng. Abstr.) (Jpn)

[Vertical proton beam irradiation control system for cancer therapy] Inada T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jun 25; 44(6):844-53 (Eng. Abstr.) (Jpn)

[Efficacy of cancer therapy by fast neutrons] Tsunemoto H. **Nippon Rinsho** 1985 Feb;43(2):430-48 (43 ref.) (Jpn)

[Examples of successful radiotherapy] Dokiya T. **Rinsho Hoshasen** 1984 Nov;29(12):1455-6 (Jpn)

[Recent radiobiological development for daily multiple fractionations] Itoh H, et al. **Rinsho Hoshasen** 1985 May; 30(5):593-6 (Eng. Abstr.) (Jpn)

[Autopsy findings of malignant neoplasms treated with radiation] Okazaki A, et al. **Rinsho Hoshasen** 1984 Nov; 29(12):1403-6 (Eng. Abstr.) (Jpn)

[Cancer registration system inside the hospital and oncological statistics in the radiological department] Yoshimura K. **Rinsho Hoshasen** 1984 May;29(5):589-94 (Eng. Abstr.) (Jpn)

[The applicability of pions to cancer radiotherapy. I. Experimental measurements of the capture and absorption of pions in polymer] Maki T, et al. **Sangyo Ika Daigaku Zasshi** 1983 Jun 1;5(2):221-33 (Eng. Abstr.) (Jpn)

[The applicability of pions to cancer radiotherapy. II. Theoretical analysis of the capture and absorption of pions in polymer] Nakano M, et al. **Sangyo Ika Daigaku Zasshi** 1983 Jun 1;5(2):235-41 (Eng. Abstr.) (Jpn)

[Significance of the number of fractions and total time of treatment in the radiotherapy of neoplasms in the light of current opinions and our studies] Maciejewski B. **Nowotwory** 1985 Jan-Mar;35(1):30-41 (Eng. Abstr.) (Pol)

[Metabolic factors determining the selective enhancement of the effect of ionizing radiation on tumors] Iarmonenko SP, et al. **Eksp Onkol** 1984;6(2):3-8 (48 ref.) (Eng. Abstr.) (Rus)

[Bone injuries during radiation therapy of tumors in children and adolescents] Gun'ko RI. **Med Radiol (Mosk)** 1985 Jul; 30(7):72-6 (83 ref.) (Rus)

[Clinical radiobiology and radiotherapy] Iarmonenko SP. **Med Radiol (Mosk)** 1984 Dec;29(12):3-12 (Rus)

[Possibilities and future of mathematical modeling in radiotherapy] Ivanov VK. **Med Radiol (Mosk)** 1985 Mar; 30(3):67-70 (Rus)

[Standard grid diaphragms in the telegammatherapy of malignant tumors] Kholin VV, et al. **Med Radiol (Mosk)** 1984 Nov;29(11):86-9 (Eng. Abstr.) (Rus)

[Optimization of the timing of dose distribution in radiation therapy] Kozlov AP, et al. **Med Radiol (Mosk)** 1985 Jun; 30(6):49-52 (Rus)

[Dosimetric characteristics and radiobiological model of the irradiation of malignant tumors through a grid] Lisin VA. **Med Radiol (Mosk)** 1984 Nov;29(11):80-5 (Eng. Abstr.) (Rus)

[A method of optimizing dose fractionation in radiotherapy of malignant tumors in terms of the Ellis concept] Lisin VA. **Med Radiol (Mosk)** 1984 Dec;29(12):83-7 (Rus)

[Relative biological effectiveness of 252Cf neutrons] Riabukhin IuS. **Med Radiol (Mosk)** 1985 Apr;30(4):53-9 (35 ref.) (Rus)

[Irradiation of cancer patients through the grid diaphragm] Riabukhin IuS. **Med Radiol (Mosk)** 1984 Nov;29(11):77-80 (Eng. Abstr.) (Rus)

[Laser irradiation as a present-day method of treating neoplasms] Pletnev SD, et al. **Sov Med** 1985;(2):92-6 (Rus)

REHABILITATION

Legal recourse for the cancer patient-returnee: the Rehabilitation Act of 1973. Sigel CJ. **Am J Law Med** 1984 Fall;10(3):309-21

Evaluation of the American Cancer Society's Reach to Recovery Program [letter] Saltzstein S. **Cancer** 1985 Mar 1;55(5):13A-14A

The role of sexual rehabilitation in the treatment of patients with cancer. von Eschenbach AC, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2662-7

Quality of life [letter] Petrelli NJ, et al. **J Clin Oncol** 1985 Jul;3(7):1041-2

[The future of children cured of cancer. Insertion into adult life] Schweisguth O. **Arch Fr Pediatr** 1985 Jan;42(1):49-52 (Eng. Abstr.) (Fre)

[Physical therapy in tumor patients. Possible treatment procedures and their indications] Eigler E. **Fortschr Med** 1984 Nov 15;102(42):1082-4 (Eng. Abstr.) (Ger)

[Modern strategy for oncologic diseases in health resorts] Kirchhoff HW. **Rehabilitation (Stuttg)** 1984 Aug;23(3):91-6 (Eng. Abstr.) (Ger)

[Necessity and usefulness of kinetic rehabilitation of children and adolescents with neoplasms--preliminary report] Kluba L, et al. **Probl Med Wieku Rozwoj** 1984;13:110-6 (Eng. Abstr.) (Pol)

[Rehabilitation treatment of cancer patients in ambulatory facilities] Reznikov AS. **Vopr Onkol** 1984;30(8):102-6 (Eng. Abstr.) (Rus)

SECONDARY

Surgical removal of bone and muscle metastases of renal cancer. Stener B, et al. **Acta Orthop Scand** 1984 Oct; 55(5):491-500

Occupational therapy intervention for cancer patients with metastatic disease. Romsaas EP, et al. **Am J Occup Ther** 1985 Feb;39(2):79-83

Growth of disseminated cancer [letter] Crowley LV. **CA** 1984 Nov-Dec;34(6):356-7

Tumors of unknown origin. Ringenberg QS. **Med Pediatr Oncol** 1985;13(5):301-6

The diagnosis of metastases to the central nervous system. Bigner SH, et al. **Pathol Annu** 1984;19 Pt 2:89-119 (41 ref.)

SECRETION

Monoclonal IgM-secreting neoplasms. Clinical and morphologic heterogeneity. Nakamine H, et al. **Acta Pathol Jpn** 1984 Sep;34(5):1147-56

Bombesin-like peptides in human endocrine tumors: quantitation, biochemical characterization, and secretion. Price J, et al. **J Clin Endocrinol Metab** 1985 Jun; 60(6):1097-103

[Tumors secreting choriogonadotropin in children] Roger M, et al. **Ann Med Interne (Paris)** 1984;135(5):381-4 (Eng. Abstr.) (Fre)

[Hypercalcemia in cancer] Radomyski A. **Pneumonol Pol** 1985 Feb;53(2):99-103 (Pol)

SURGERY

Horizons in surgical oncology. Daly JM, et al. **Adv Surg** 1984;18:117-43 (49 ref.)

Palliation of malignant ascites by the Denver peritoneovenous shunt. Downing R, et al. **Ann R Coll Surg Engl** 1984 Sep;66(5):340-3

Need for immunologic stimulators during immunosuppression produced by major cancer surgery. Cole WH, et al. **Ann Surg** 1985 Jul;202(1):9-20 (102 ref.)

Identifying and excising tumor [letter] Jako GJ, et al. **Arch Otolaryngol** 1984 Dec;110(12):824

A surgeon's view of oncology. Hughes LE. **Aust NZ J Surg** 1985 Apr;55(2):95-103

Perioperative nutritional support in cancer patients. Dionigi R, et al. **Bibl Nutr Dieta** 1985;(35):85-94

Abstracts from the Royal College of Surgeons in Ireland. **Br J Surg** 1984 Dec;71(12):986-1006

Psychosocial sequelae of ostomies in cancer patients. Hurny C, et al. **CA** 1985 May-Jun;35(3):170-83

Is age alone a contraindication to major cancer surgery? Colapinto ND. **Can J Surg** 1985 Jul;28(4):323-6

The privileges and the responsibilities of a surgical oncologist. McKenna RJ. **Cancer** 1985 Mar 15; 55(6):1159-62

Preoperative identification of the surgical cancer patient in need of postoperative supportive total parenteral nutrition. Meguid MM, et al. **Cancer** 1985 Jan 1;55(1 Suppl):258-62

The role of social support systems in adolescent cancer amputees. Tebbi CK, et al. **Cancer** 1985 Aug 15; 56(4):965-71

Surgical oncology. Wilson RE. **Cancer** 1984 Dec 1;54(11 Suppl):2595-8

Microwave tissue coagulation applied clinically in endoscopic surgery. Tabuse K, et al. **Endoscopy** 1985 Jul; 17(4):139-44

History of the last 100 years of attempts to control neoplastic disease [editorial] Veronesi U. **Eur J Surg Oncol** 1985 Mar; 11(1):1-3

The triradiate incision. Grundberg AB, et al. **J Hand Surg [Br]** 1985 Jun;10(2):190-2

Change in blood vitamin levels in surgical patients given a multivitamin preparation (NK-041) for total parenteral nutrition. Ogoshi S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Feb;31(1):7-20

'Nutritional' markers as prognostic indicators of postoperative sepsis in cancer patients. Bozzetti F, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul-Aug;9(4):464-70

Cancer surgery: the view from cancer medicine. Holland JF. **Mt Sinai J Med (NY)** 1985 Mar;52(3):159-60

What is cancer surgery? Shafir M. **Mt Sinai J Med (NY)** 1985 Mar;52(3):165-71

Oral fenoprofen compared to intramuscular morphine and oral aspirin in cancer patients with postoperative pain. Kaiko RF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:205-11

Hemipelvectomy for neoplasms not originating in the pelvis. Papaioannou A, et al. **Oncology** 1985;42(1):13-7

Surgical intervention and metastasis. Keller R. **Recent Results Cancer Res** 1985;98:11-6

Effect of chemotherapy and radiotherapy on wound healing: experimental studies. Shamberger R. **Recent Results Cancer Res** 1985;98:17-34 (115 ref.)

Where have all the surgeons gone? [editorial] Longmire WP Jr. **Surg Gynecol Obstet** 1985 Feb;160(2):157-9

[Immune evaluation in oncologic surgery] Youinou P, et al. **J Chir (Paris)** 1984 Aug-Sep;121(8-9):517-26 (114 ref.) (Eng. Abstr.) (Fre)

[Malignant tumors of the large vessels. 2 case reports] Hermanek P Jr, et al. **Chirurg** 1985 Feb;56(2):120-2 (Ger)

[Current complication rate and mortality in cancer surgery] Brugger JJ, et al. **Helv Chir Acta** 1985 Jan;51(6):693-7 (Eng. Abstr.) (Ger)

[Carcinoma surgery today: analysis of complication rates and mortality in 1000 consecutive cases] Brugger JJ, et al. **Schweiz Rundsch Med Prax** 1985 Feb 12;74(7):145-8 (Eng. Abstr.) (Ger)

[Cancer surgery in advanced age] Probst M, et al. **Z Gerontol** 1985 May-Jun;18(3):149-53 (Eng. Abstr.) (Ger)

[Responsibility and risk of operations in aged tumor patients] Greiner P. **ZFA** 1985 May-Jun;40(3):145-8 (Ger)

['Cryotherapy' (in general surgery and related areas)] Tanaka S. **Gan No Rinsho** 1985 May;31(6 Suppl):712-20 (Eng. Abstr.) (Jpn)

[Immunoprevention of suppurative infection] Chissov VI, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):85-8 (Rus)

[Bacteriophages in the treatment of postoperative complications in cancer patients] Ponomareva TR, et al. **Sov Med** 1985;(4):89-92 (Rus)

[Significance of the leukocyte reaction in the complex treatment of cancer patients] Sokolova II, et al. **Sov Med** 1984;(10):109-11 (Rus)

[Combination electroanesthesia in oncological patients during surgery and in the early postoperative period] Khonelidze

GB, et al. **Vopr Onkol** 1985;31(2):73-8 (Eng. Abstr.) (Rus)

[Tumors of the hand in data from the Department of Plastic Surgery (1975-1983)] Sipka F, et al. **Acta Chir Orthop Traumatol Cech** 1984 Oct;51(5):426-31 (Eng. Abstr.) (Slo)

THERAPY

The present status of childhood cancer therapy in Korea. Kim BS. **Acta Med Okayama** 1984 Dec;38(6):541-56

Cancer metastasis: experimental approaches, theoretical concepts, and impacts for treatment strategies. Schirrmacher V. **Adv Cancer Res** 1985;43:1-73 (346 ref.)

Interstitial thermoradiotherapy in the treatment of recurrent/residual malignant tumors. Emami B, et al. **Am J Clin Oncol** 1984 Dec;7(6):699-704

Monitoring clinical research. A report from the Childrens Cancer Study Group. Stowe SM, et al. **Am J Clin Oncol** 1984 Oct;7(5):557-66

Supportive care for children with cancer. Guidelines of the Childrens Cancer Study Group. The use of platelet transfusions. Feusner J. **Am J Pediatr Hematol Oncol** 1984 Fall;6(3):255-60 (29 ref.)

Supportive care for children with cancer. Guidelines of the Childrens Cancer Study Group. Use of venous access lines. Iannacci L, et al. **Am J Pediatr Hematol Oncol** 1984 Fall; 6(3):277-81 (14 ref.)

Ethical issues in cooperative cancer therapy trials from a statistical viewpoint. I. A general overview. Shuster JJ, et al. **Am J Pediatr Hematol Oncol** 1985 Spring;7(1):57-63

Ethical issues in cooperative cancer therapy trials from a statistical viewpoint. II. Specific issues. Shuster JJ, et al. **Am J Pediatr Hematol Oncol** 1985 Spring;7(1):64-70

Ethical and legal issues in the treatment of children with cancer. Our responsibilities to the parents, to the child, and to the other similarly afflicted children. Truman JT, et al. **Am J Pediatr Hematol Oncol** 1984 Fall;6(3):313-7

A technique for the insertion of an implantable portal system for the long-term epidural administration of opioids in the treatment of cancer pain. Cherry DA, et al. **Anaesth Intensive Care** 1985 May;13(2):145-52

Biological response modifiers for the therapy of cancer. Herberman RB. **Ann Allergy** 1985 May;54(5):376-80

Total parenteral nutrition in malignancy [letter] Friedman PJ. **Ann Intern Med** 1985 Apr;102(4):556-7

Comparison of intramuscular and intravenous recombinant alpha-2 interferon in melanoma and other cancers. Kirkwood JM, et al. **Ann Intern Med** 1985 Jul;103(1):32-6

A prospective randomized study of regional extremity perfusion in patients with malignant melanoma. Ghussen F, et al. **Ann Surg** 1984 Dec;200(6):764-8

Experience with high dose multiagent chemotherapy and autologous bone marrow rescue in the treatment of twenty-two children with advanced tumours. Ekert H, et al. **Aust Paediatr J** 1984 Aug;20(3):195-201

Ambulatory parenteral nutrition in oncology. Joyeux H, et al. **Bibl Nutr Dieta** 1985;(35):63-70 (23 ref.)

Autologous bone marrow transplantation contributes to haemopoietic recovery in children with solid tumours treated with high dose melphalan. Kingston JE, et al. **Br J Haematol** 1984 Dec;58(4):589-95

Measurement of the quality of life after cancer treatment. Selby P. **Br J Hosp Med** 1985 May;33(5):266-71

Interrelationship of cancer control and clinical research in the community. Enck RE. **CA** 1984 Nov-Dec;34(6):340-4

Does 'multimodal' therapy for cancer really work? Lawrence W Jr. **CA** 1985 Jan-Feb;35(1):57-60

Drug management of pain in cancer patients [letter] Cornett W. **Can Med Assoc J** 1985 Jun 1;132(11):1253

NCI offering computer database on cancer research. Korcok M. **Can Med Assoc J** 1985 Aug 1;133(3):225-7

Introduction of bacterial components in postadsorbed plasma during adsorption with Staphylococcus aureus. Bandyopadhyay SK, et al. **Cancer** 1985 Jul 15;56(2):266-72

Surgery and radiotherapy--competitors or partners? Beattie EJ Jr. **Cancer** 1968 Oct;22(4):785-9

Progress toward therapeutic application of interferons, 1979-1983. Borden EC. **Cancer** 1984 Dec 1;54(11 Suppl):2770-6 (85 ref.)

Metabolic consequences of nutritional support of the cancer patient. Brennan MF, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2627-34

Chemotherapy and radiotherapy--competitors or partners? Burchenal JH. **Cancer** 1968 Oct;22(4):790-5

Clinical trials for the evaluation of cancer therapy. Fisher B. **Cancer** 1984 Dec 1;54(11 Suppl):2609-17

Biological basis for the interaction of chemotherapeutic agents and radiation therapy. Fu KK. **Cancer** 1985 May 1;55(9 Suppl):2123-30 (90 ref.)

Lucy Wortham James lecture. Multidisciplinary clinical investigation of the cancers of children. A model for the management of adults with cancer. Hammond GD. **Cancer** 1985 Mar 15;55(6):1215-25

Clinical results of radiofrequency hyperthermia combined with radiation in the treatment of radioresistant cancers. Hiraoka M, et al. **Cancer** 1984 Dec 15;54(12):2898-904

Harnessing T-lymphocytes for human cancer immunotherapy. Hirshaut Y, et al. **Cancer** 1985 Sep 15; 56(6):1366-73 (86 ref.)

Micronutrient requirements of cancer patients. Hoffman FA. **Cancer** 1985 Jan 1;55(1 Suppl):295-300

Determining the extent of the cancer and clinical planning for cure. Karnofsky DA. **Cancer** 1968 Oct;22(4):730-4

The impact of antitumor therapy on nutrition. Kokal WA. **Cancer** 1985 Jan 1;55(1 Suppl):273-8

Serum thyroid hormone changes during whole body hyperthermia. Konits PH, et al. **Cancer** 1984 Dec 1; 54(11):2432-5

The delivery of nutritional support. A potpourri of new devices and methods. Meguid MM, et al. **Cancer** 1985 Jan 1;55(1 Suppl):279-89 (64 ref.)

Curability of cancer in children. Murphy ML. **Cancer** 1968 Oct;22(4):779-84

In vitro and in vivo studies on potentiation of cytotoxic effects of anticancer drugs or cobalt 60 gamma ray by interferon on human neoplastic cells. Namba M, et al. **Cancer** 1984 Nov 15;54(10):2262-7

Lymphokines, monoclonal antibodies, and other biological response modifiers in the treatment of cancer. Oldham RK, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2795-806

Viability of tumor cells in the irrigation fluid of the Cavitron Ultrasonic Surgical Aspirator (CUSA) after tumor fragmentation. Oosterhuis JW, et al. **Cancer** 1985 Jul 15; 56(2):368-70

Results from use of 826 vascular access devices in cancer patients. Raaf JH. **Cancer** 1985 Mar 15;55(6):1312-21

Hyperthermia in the treatment of cancer. Perspectives on its promise and its problems. Stewart JR, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2823-30 (72 ref.)

Magnetic-induction hyperthermia. Results of a 5-year multi-institutional national cooperative trial in advanced cancer patients. Storm FK, et al. **Cancer** 1985 Jun 1; 55(11):2677-87

Rationale for combining surgery and radiation therapy. Suit HD, et al. **Cancer** 1985 May 1;55(9 Suppl):2246-9

Sequencing of drugs and radiation. The integrated alternating regimen. Tubiana M, et al. **Cancer** 1985 May 1;55(9 Suppl):2131-9 (87 ref.)

Infusion-embolization. Wallace S, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2751-65 (139 ref.)

Clinical pharmacokinetics of high-dose mitomycin C. Schilcher RB, et al. **Cancer Chemother Pharmacol** 1984; 13(3):186-90

The effects of thymic epithelial monolayer-conditioned medium on suppressor cell function following chemotherapy in pediatric patients. Borzy MS, et al. **Cancer Immunol Immunother** 1985;19(2):154-7

Radioimmunodetection and radioimmunotherapy. Larson SM, et al. **Cancer Invest** 1984;2(5):363-81 (72 ref.)

Biological response modifiers: their potential and limitations in cancer therapeutics. Mihich E. **Cancer Invest** 1985; 3(1):71-83

Biologicals and biological response modifiers: new approaches to cancer treatment. Oldham RK. **Cancer Invest** 1985;3(1):53-70

Pharmacokinetics and dosage reduction of cis-diammine(1,1-cyclobutanedicarboxylato)platinum in patients with impaired renal function. Egorin MJ, et al. **Cancer Res** 1984 Nov;44(11):5432-8

Macrophages and metastasis--a biological approach to cancer therapy. Fidler IJ. **Cancer Res** 1985 Oct; 45(10):4714-26

Hyperthermia in cancer therapy: the biological basis and unresolved questions. Gerweck LE. **Cancer Res** 1985 Aug; 45(8):3408-14 (68 ref.)

American cancer society Phase I trial of naturally produced beta-interferon. Hawkins MJ, et al. **Cancer Res** 1984 Dec; 44(12 Pt 1):5934-8

Pharmacokinetics, single-dose tolerance, and biological activity of recombinant gamma-interferon in cancer patients. Kurzrock R, et al. **Cancer Res** 1985 Jun; 45(6):2866-72

Ability of specific monoclonal antibodies and conventional antisera conjugated to hematoporphyrin to label and kill selected cell lines subsequent to light activation. Mew D, et al. **Cancer Res** 1985 Sep;45(9):4380-6

A nontoxic system for 41.8 degrees C whole-body hyperthermia: results of a Phase I study using a radiant heat device. Robins HI, et al. **Cancer Res** 1985 Aug; 45(8):3937-44

Phase I study of weekly high-dose human lymphoblastoid interferon. Connors JM, et al. **Cancer Treat Rep** 1984 Sep; 68(9):1093-6

Alternation of chemotherapy and radiotherapy in cancer management. I. Summary of the Division of Cancer Treatment Workshop. Looney WB, et al. **Cancer Treat Rep** 1985 Jul-Aug;69(7-8):769-75

Prospectively randomized toxicity study of high-dose versus low-dose treatment strategies for lymphoblastoid interferon. Silver HK, et al. **Cancer Treat Rep** 1985 Jul-Aug;69(7-8):743-50

Protein A immunoadsorption/immunoactivation: a critical review. Fer MF, et al. **Contemp Top Immunobiol** 1985; 15:257-76 (42 ref.)

Trials of staphylococcal protein A-treated plasma infusions in cancer therapy: clinical effects and implications for mode of action. MacKintosh FR, et al. **Contemp Top Immunobiol** 1985;15:239-56

Monoclonal antibodies in the treatment of cancer. Dillman RO. **CRC Crit Rev Oncol Hematol** 1984;1(4):357-85 (132 ref.)

Biological response modifiers: preclinical evaluation and clinical activity. Smalley RV, et al. **CRC Crit Rev Oncol Hematol** 1984;1(3):259-94 (317 ref.)

Percutaneous transcatheter infusion and infarction in the treatment of human cancer: Part I. Wallace S, et al. **Curr Probl Cancer** 1984 Nov;8(17):1-62

Percutaneous transcatheter infusion and infarction in the treatment of human cancer: Part II. Wallace S, et al. **Curr Probl Cancer** 1984 Dec;8(18):1-76 (156 ref.)

Treatment of childhood malignancies in Kenya. Kasili EG, et al. **East Afr Med J** 1984 Sep;61(9):663-74

Cardiovascular changes during whole body hyperthermia treatment of advanced malignancy. Faithfull NS, et al. **Eur J Applied Physiol** 1984;53(3):274-81

Hematopoietic recovery following autologous bone marrow transplantation: role of cryopreservation, number of cells infused and nature of high-dose chemotherapy. Hartmann O, et al. **Eur J Cancer Clin Oncol** 1985 Jan;21(1):53-60

Caring of the nails and anticancer treatment [letter] Gutjahr P, et al. **Eur J Pediatr** 1984 Nov;143(1):74

The use of sulphur hyperthermia in cancer [letter] Gillman MA, et al. **Eur J Surg Oncol** 1985 Sep;11(3):299

Monoclonal antibodies: the possibilities for cancer therapy. Poynton CH, et al. **Exp Biol** 1984;43(1):13-33 (145 ref.)

Advances in parenteral nutrition support of children with neoplastic diseases. Rickard KA, et al. **Hamatol Bluttransfus** 1985;29:137-42

Hyperthermia and cancer research. Feldman A. **Hawaii Med J** 1984 Oct;43(10):362-3

Removal of tumour cells from bone marrow: an evaluation of the available techniques. Treleaven JG, et al. **Hematol Oncol** 1985 Jan-Mar;3(1):65-75 (62 ref.)

Hyperthermia and cancer therapy: a review of biomedical engineering contributions and challenges. Strohbehn JW, et al. **IEEE Trans Biomed Eng** 1984 Dec;31(12):779-87 (61 ref.)

The use of three baseline values in intervention studies: application to evaluation of immune modulation therapies. Korn EL, et al. **Immunobiology** 1984 Dec;167(5):431-6

Total parenteral nutrition in cancer. Jagannath P, et al. **Indian J Cancer** 1984 May-Jun;21(2):79-84

Psychological supportive therapy for cancer patients. Joseph CD. **Indian J Cancer** 1983 Nov-Dec;20(5):268-70

Radiation absorbed dose estimates at the cellular level for some electron-emitting radionuclides for radioimmunotherapy. Jungerman JA, et al. **Int J Appl Radiat Isot** 1984 Sep;35(9):883-8

Granulocyte transfusion therapy. Sciorelli GA, et al. **Int J Artif Organs** 1984 Nov;7(6):353-6

Combined recombinant human interferon alpha 2 and cytotoxic agents studied in a clonogenic assay. Welander CE, et al. **Int J Cancer** 1985 Jun 15;35(6):721-9

A phase 1 study of recombinant interferon-gamma given intravenously by portable mini-pump: a preliminary report. Sriskandan K, et al. **Int J Clin Pharmacol Res** 1984; 4(6):469-74

Potential use of human interleukin 2 as an adjunct for the therapy of neoplasia, immunodeficiency and infectious disease. Merluzzi VJ, et al. **Int J Immunopharmacol** 1985; 7(1):31-9

Localized hyperthermia and radiation in cancer therapy. Abe M, et al. **Int J Radiat Biol** 1985 Apr;47(4):347-59 (75 ref.)

Porphyrin phototherapy of human cancer. Land EJ. **Int J Radiat Biol** 1984 Sep;46(3):219-23

Phase I and pharmacologic study of 72-hour infused 5-fluorouracil and hyperfractionated cyclical radiation. Byfield JE, et al. **Int J Radiat Oncol Biol Phys** 1985 Apr; 11(4):791-800

Intraoperative interstitial microwave-induced hyperthermia and brachytherapy. Coughlin CT, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1673-8

A model system that predicts effective half-life for radiolabeled antibody therapy. Klein JL, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug;11(8):1489-94

Analysis of prognostic variables in hyperthermia treatment of 161 patients. Oleson JR, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2231-9

Is cancer treatment toxicity accurately reported? Parliament MB, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar; 11(3):603-8

Comparative theoretical performance for two types of regional hyperthermia systems. Paulsen KD, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1659-71

Chemical modifiers of cancer treatment. Phillips TL. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1791-4

Transient microwave induced neurosensory reactions during superficial hyperthermia treatment. Scott RS, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):561-6

How does interferon inhibit tumor growth? Gresser I. **Interferon** 1985;6:93-126 (116 ref.)

Interferon: a model for future biologicals. Oldham RK. **Interferon** 1985;6:127-43 (60 ref.)

New cancer therapies at University Hospitals. **Iowa Med** 1985 Apr;75(4):164-5

Nutrition support for cancer patients [letter] Arnold C. **J Am Diet Assoc** 1985 Jun;85(6):734

Hyperthermia in the treatment of cancer: biological aspects. Crombez R, et al. **J Belge Radiol** 1984;67(3):159-66 (50 ref.)

Immunomodulators as local hormones: new insights regarding their clinical utilization. Bocci V. **J Biol Response Mod** 1985 Aug;4(4):340-52

Interferon-alpha: current status and future promise. Bonnem EM, et al. **J Biol Response Mod** 1984 Dec;3(6):580-98 (115 ref.)

Summary: potential of interleukin-2 for the therapy of cancer. Herberman RB. **J Biol Response Mod** 1984 Oct; 3(5):527-32

Systemic administration of interleukin-2 in humans. Lotze MT, et al. **J Biol Response Mod** 1984 Oct;3(5):475-82

Evaluation of effects of levamisole and surgery on canine mammary cancer. MacEwen EG, et al. **J Biol Response Mod** 1985 Aug;4(4):418-26

Immunotherapy of cancer by systemic administration of lymphoid cells plus interleukin-2. Rosenberg SA. **J Biol Response Mod** 1984 Oct;3(5):501-11

A preliminary Phase I trial of partially purified interferon-gamma in patients with cancer. Sherwin SA, et al. **J Biol Response Mod** 1984 Dec;3(6):599-607

Recombinant interferon-gamma (immuneron): results of a phase I trial in patients with cancer. van der Burg M, et al. **J Biol Response Mod** 1985 Jun;4(3):264-72

Phase I study of intravenous mycobacterial cell wall skeleton and trehalose dimycolate attached to oil droplets. Vosika G, et al. **J Biol Response Mod** 1984 Dec;3(6):620-6

Local radiofrequency (RF) hyperthermia in the treatment of cancer: Edmonton experience. Jackson FI, et al. **J Can Assoc Radiol** 1984 Sep;35(3):246-9

Acute leukemia in two patients treated with high-dose melphalan and autologous marrow transplantation for malignant solid tumors [letter] Hartmann O, et al. **J Clin Oncol** 1984 Dec;2(12):1424-5

Changes in criteria for tumor response [letter] Perry DJ, et al. **J Clin Oncol** 1985 Feb;3(2):287

In vivo administration of purified human interleukin 2. I. Half-life and immunologic effects of the Jurkat cell line-derived interleukin 2. Lotze MT, et al. **J Immunol** 1985 Jan;134(1):157-66

Effect of human recombinant alpha-2- and gamma-interferon on the growth of human cell lines from solid tumors and hematologic malignancies. Denz H, et al. **J Interferon Res** 1985 Winter;5(1):147-57

Status of cancer pain management. Sammons EE. **J Med Assoc Ga** 1984 Oct;73(10):687-9

Computer simulation for local temperature control during microwave-induced hyperthermia. De Wagter C. **J Microwave Power** 1985;20(1):31-42

Care of malignant disease in an urban practice. Urquhart AS, et al. **J R Coll Gen Pract** 1985 Jul;35(276):326-8

Caring or curing: conflicts of choice. Duncan W. **J R Soc Med** 1985 Jul;78(7):526-35

Interventional radiology—intra-arterial therapy. Wallace S. **J Radiol** 1984 Jun-Jul;65(6-7):499-508 (106 ref.)

Multidisciplinary pretreatment cancer planning. Moore C. **J Surg Oncol** 1985 Feb;28(2):79-86

Experimental models in cancer immunotherapy. Ross DS, et al. **J Surg Res** 1984 Nov;37(5):415-30 (138 ref.)

Leads from the MMWR. Isolation of HTLV-III/LAV from samples of serum proteins given to cancer patients—Bahamas. **JAMA** 1985 Sep 6;254(9):1139

Cautiously optimistic researchers study hyperthermia's potential uses [news] Cowart V, et al. **JAMA** 1984 Dec 28;252(24):3341-3, 3347-8

Immune thrombocytopenia following alpha-interferon therapy in patients with cancer. McLaughlin P, et al. **JAMA** 1985 Sep 13;254(10):1353-4

Studies of methotrexate-monoclonal antibody conjugates for immunotherapy. Kanellos J, et al. **JNCI** 1985 Aug; 75(2):319-32

Combined cytotoxicity effect of hyperthermia and anthracycline antibiotics on human tumor cells. Ohnoshi T, et al. **JNCI** 1985 Feb;74(2):275-81

Multipurpose central venous access in the immunocompromised pediatric patient. Colombani PM, et al. **JPEN** 1985 Jan-Feb;9(1):38-41

Association of second primary leukemias with the method of treatment of the first primary cancer. Fujimoto I, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:265-70

Clinical trial of intensive therapy and autologous bone marrow transplantation in the treatment of malignant diseases. Harada M, et al. **Jpn J Clin Oncol** 1984 Dec;14 Suppl 1:543-52

High-dose chemotherapy with frozen autologous marrow transplantation in patients with poor-prognosis tumors. Sumida S, et al. **Jpn J Clin Oncol** 1984 Dec;14 Suppl 1:553-61

Doing the best for the cancer patient. Tobias JS, et al. **Lancet** 1985 Jan 5;1(8419):35-8

Allosensitization in tumor therapy and prophylaxis, and in female contraception—a prospect for clinical use. Bukovský A, et al. **Med Hypotheses** 1985 Mar;16(3):241-51

Rationale for a novel immunotherapy of cancer with allogeneic lymphocyte infusion. Kondo M, et al. **Med Hypotheses** 1984 Nov;15(3):241-77 (192 ref.)

Integration of allogeneic lymphocyte immunotherapy with short-course chemotherapy and hypoenergic hyperthermia: a 'triple-threat' treatment for disseminated cancer. McCarty MF, et al. **Med Hypotheses** 1985 Jan; 16(1):39-60

Cimetidine as an adjuvant for allogeneic lymphocyte immunotherapy of cancer. McCarty MF. **Med Hypotheses** 1985 Jun;17(2):155-6

Euthanasia for cancer patients: a non-debate [letter] **Med J Aust** 1984 Oct 13;141(8):548-9

Response of therapy-associated acute nonlymphocytic leukemia to intensive induction chemotherapy. Duane SF, et al. **Med Pediatr Oncol** 1985;13(4):207-13

Training and oncologists' changing attitudes toward their own cancer therapy. Schnaper N, et al. **Med Pediatr Oncol** 1985;13(5):293-7

The response of thermometer probes inserted into catheters. Waterman FM. **Med Phys** 1985 May-Jun;12(3):368-72

Perceptions and realities in cancer quackery. Lerner I. **Minn Med** 1985 Apr;68(4):265

Isolation of human T-lymphotropic virus type III/lymphadenopathy-associated virus from serum proteins given to cancer patients—Bahamas. **MMWR** 1985 Aug 9; 34(31):489-91

Lymphokine: prospect as a cancer agent. Reynolds RD, et al. **Mo Med** 1984 Sep;81(9):604-6

Medical complications of 'alternative' cancer therapy [letter] Markman M. **N Engl J Med** 1985 Jun 20;312(25):1640-1

Combined modality therapy of cancer. What is it and when does it work? [editorial] Rosenberg SA. **N Engl J Med** 1985 Jun 6;312(23):1512-4

How can we know when we are doing more good than harm for a terminally-ill cancer patient? Fletcher RH. **NC Med J** 1985 Feb;46(2):85-8

Plasmatic beta-endorphin levels and thalamic surgery for pain. Lopez JA, et al. **Neurol Res** 1985 Mar;7(1):35-8

English abstracts of proceeding of the Twenty-second Congress of the Japan Society for Cancer Therapy. Tokyo, Sep. 26, 27, 28, 1984. **Nippon Gan Chiryo Gakkai Shi** 1985 Mar 20;20(2):185-523

Bone marrow transplantation. An overview and comparison of autologous, syngeneic, and allogeneic treatment modalities. Cogliano-Shutta NA, et al. **Nurs Clin North Am** 1985 Mar;20(1):49-66

Patient education and pediatric oncology. Kramer RF, et al. **Nurs Clin North Am** 1985 Mar;20(1):31-48

A multidisciplinary approach to identification and remedial intervention for adverse late effects of cancer therapy. McCalla JL. **Nurs Clin North Am** 1985 Mar;20(1):117-30

Models of care for persons with progressive cancer. Saunders JM, et al. **Nurs Clin North Am** 1985 Jun;20(2):365-77

An overview of cancer in children in the 1980s. Waskerwitz MJ, et al. **Nurs Clin North Am** 1985 Mar;20(1):5-29 (71 ref.)

What's new in pediatric oncology? Epidemiology, treatment principles and prognosis in childhood malignancies. Schellong G. **Pathol Res Pract** 1985 Jan;179(3):425-8 (28 ref.)

Late effects of treatment of cancer in children. Byrd R. **Pediatr Clin North Am** 1985 Jun;32(3):835-57 (229 ref.)

Management of stressful periods in childhood cancer. Lansky SB. **Pediatr Clin North Am** 1985 Jun;32(3):625-32

Bone marrow transplantation in the management of childhood cancer. Quinn JJ. **Pediatr Clin North Am** 1985 Jun;32(3):811-33 (122 ref.)

Computer controlled microwave system for clinical hyperthermia. Nilsson P, et al. **Phys Med Biol** 1985 Apr; 30(4):283-92

Management of cancer in the elderly. Implications of the aging process. Neilan BA. **Postgrad Med** 1985 Jun; 77(8):143-5, 148-9

Antibody-guided therapy of cancer. Epenetos AA. **Practitioner** 1984 Oct;228(1396):931-4

Polyadenylic . polyuridylic acid in the cotreatment of cancer. Michelson AM, et al. **Proc Soc Exp Biol Med** 1985 May; 179(1):1-8

Multidisciplinary approach to phototherapy of human cancers. Forbes IJ, et al. **Prog Clin Biol Res** 1984; 170:693-708

Merocyanine 540-mediated photosensitization of leukemia and solid tumor cells. Sieber F. **Prog Clin Biol Res** 1985; 172B:227-34

Hyperthermia—basic biology. Dewey WC, et al. **Prog Exp Tumor Res** 1984;28:198-219

Trials of combined radiation and hyperthermia with various heating modalities in cancer therapy. Egawa S, et al. **Radiat Med** 1984 Oct-Dec;2(4):260-4

Theoretical temperature distributions produced by an annular phased array-type system in CT-based patient models. Paulsen KD, et al. **Radiat Res** 1984 Dec;100(3):536-52

Comparative evaluation of hyperthermia heating modalities. I. Numerical analysis of thermal dosimetry bracketing cases. Roemer RB, et al. **Radiat Res** 1984 Dec; 100(3):450-72

Comparative evaluation of hyperthermia heating modalities. II. Application of the acceptable power range technique. Roemer RB, et al. **Radiat Res** 1984 Dec;100(3):473-86

Hyperthermia induction with thermally self-regulated ferromagnetic implants. Lilly MB, et al. **Radiology** 1985 Jan;154(1):243-4

Thoracic radiographic changes after systemic hyperthermia for advanced cancer. Stark P, et al. **Radiology** 1985 Jan; 154(1):55-8

Feasibility study on daily administration of cis-diamminedichloroplatinum(II) in combination with radiotherapy. Keizer HJ, et al. **Radiother Oncol** 1984 Jan; 1(3):227-34

The importance of thermotolerance for the clinical treatment with hyperthermia. Overgaard J, et al. **Radiother Oncol** 1983 Nov;1(2):167-78

The relevance of tumour pH to the treatment of malignant disease. Wike-Hooley JL, et al. **Radiother Oncol** 1984 Dec; 2(4):343-66 (140 ref.)

Clinical research patients generate significant losses under diagnosis related groups (DRGs). Katterhagen JG, et al. **Semin Oncol** 1984 Sep;11(3):xxxv-xxxvi

A survey of traditional medical practices used for the treatment of malignant tumors in an East African population. Alexander GA. **Soc Sci Med** 1985;20(1):53-9

Terminal cancer care services: recent changes in regional inequalities in Great Britain. Lunt B. **Soc Sci Med** 1985; 20(7):753-9

Acinetobacter calcoaceticus septicemia in patients with cancer. Rolston K, et al. **South Med J** 1985 Jun; 78(6):647-51

Improving the efficiency of clinical trials: a medical perspective. Moertel CG. **Stat Med** 1984 Oct-Dec; 3(4):455-68

Experience with historical control studies in cancer immunotherapy. Pinsky CM. **Stat Med** 1984 Oct-Dec; 3(4):325-9

VIIth meeting of the European Society for Hyperthermic Oncology (ESHO). Paris, September 16-18, 1985. Abstracts. **Strahlentherapie** 1985 Sep;161(9):523-57

Hyperthermia with drugs: current status. Bleehen NM. **Strahlentherapie** 1984 Dec;160(12):721-4 (38 ref.)

Hyperthermia and radiotherapy. Field SB. **Strahlentherapie** 1984 Dec;160(12):715-20 (29 ref.)

Use of parenteral nutrition in the patient with cancer [letter] Daly JM, et al. **Surgery** 1985 Jun;97(6):756-8

The association of irradiation with less-than-radical surgery in various types of cancer. Fletcher GH. **Tex Med** 1985 Jan;81(1):27-9

Blood component therapy for cancer patients. Patten E. **Tex Med** 1985 May;81(5):31-4

Code of ethics for the University of Texas System Cancer Center M.D. Anderson Hospital and Tumor Institute. van Eys J, et al. **Tex Med** 1985 Jun;81(6):41-3

The Gordon Wilson lecture. Monoclonal antibodies in human cancer. Koprowski H. **Trans Am Clin Climatol Assoc** 1984; 96:81-97

Extracorporeal immunoadsorption and cancer and bone marrow transplantation. Bensinger WI. **Trans Am Soc Artif Intern Organs** 1984;30:672-4

The use of transfusion in terminal cancer patients. Hospice versus conventional care setting. Wachtel TJ, et al. **Transfusion** 1985 May-Jun;25(3):278-9

Role of hypoxia in photodynamic therapy of tumors. Freitas I. **Tumori** 1985 Jun 30;71(3):251-9 (70 ref.)

Preliminary observation on the clinical tolerance of interferon-beta in cancer patients. Liberati AM, et al. **Tumori** 1985 Feb 28;71(1):45-9

A theoretical study of nonlinear effects with focused ultrasound in tissues: an 'acoustic bragg peak'. Swindell W. **Ultrasound Med Biol** 1985 Jan-Feb;11(1):121-30

[The immune system and cell proliferation, fetal tolerance and tumor growth. II] Bukovský A, et al. **Cesk Gynekol** 1984 Nov;49(9):674-5 **(Cze)**

[The terminal cancer patient] Ellegaard J. **Nord Med** 1985; 100(3):73-5 (Eng. Abstr.) **(Dan)**

[High dose cytotoxic agents followed by autologous bone marrow transplantation; treatment results in 25 patients with various malignancies] Verdonck LF, et al. **Ned Tijdschr Geneeskd** 1985 Jun 22;129(25):1186-90 (Eng. Abstr.) **(Dut)**

[Venous approach in pediatric oncology. Arteriovenous fistulas or central venous catheters?] Gueho A, et al. **Ann Pediatr (Paris)** 1984 Oct 15;31(9):727-32 (Eng. Abstr.) **(Fre)**

[Massive chemotherapy and bone marrow autografts in solid tumors and non-leukemic lymphomas in pediatrics] Philip T, et al. **Ann Pediatr (Paris)** 1984 Oct 15;31(9):745-52 (83 ref.) (Eng. Abstr.) **(Fre)**

[Arterial embolization in tumor pathology] Roche A, et al. **Ann Radiol (Paris)** 1985;28(2):148-55 (Eng. Abstr.) **(Fre)**

[Chronology of administration of cytotoxic drugs and combinations of chemotherapy with radiotherapy] Tubiana M. **Bull Cancer (Paris)** 1984;71(4):301-12 (103 ref.) (Eng. Abstr.) **(Fre)**

[European Research Organization on the Treatment of Cancer. Collaborative research and the Data Analysis Center] Tagnon HJ. **Bull Mem Acad R Med Belg** 1984; 139(2):145-8 (Eng. Abstr.) **(Fre)**

[Prolonged administration of morphine via the intrathecal route] Gestin Y, et al. **Cah Anesthesiol** 1985 Jan-Feb; 33(1):47-9 **(Fre)**

[Long-term peridural morphine analgesia in neoplastic and vascular pathology] Michon F, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):39-42 (Eng. Abstr.) **(Fre)**

[Cancer chemotherapy and anesthesia] Truffa-Bachi J, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):11-20 (59 ref.) **(Fre)**

[Oncogenes and the treatment of cancer] Burny A, et al. **Rev Med Brux** 1985 Apr;6(4):261-4 (Eng. Abstr.) **(Fre)**

[Role of the general practitioner in the treatment of the cancer patient] Klastersky J. **Rev Med Brux** 1984 Sep; 5(7):455-62 (Eng. Abstr.) **(Fre)**

[Unproven methods in oncology] Jallut O, et al. **Schweiz Med Wochenschr** 1984 Sep 8;114(36):1214-20 (28 ref.) (Eng. Abstr.) **(Fre)**

[Medical care of the cancer patient in the terminal stage] Xénos JB, et al. **Union Med Can** 1984 Nov;113(11):930-5 (Eng. Abstr.) **(Fre)**

[Monoclonal antibodies in cancer therapy] Pfizenmaier K, et al. **Dtsch Med Wochenschr** 1985 Apr 19;110(16):615-7 (3 ref.) **(Ger)**

[Autologous bone marrow transplantation in the treatment of advanced malignant tumors in children and adolescents]

Brun del Re G, et al. **Folia Haematol (Leipz)** 1984; 111(2):243-8 **(Ger)**

[Fertility disorders of potentially curatively treated tumor patients. Consequences for the choice of primary therapy and after care] Delbrück H. **Fortschr Med** 1984 Nov 15; 102(42):1085-8 (Eng. Abstr.) **(Ger)**

[Bone marrow transplantation--indications, risks and uses] König HJ. **Fortschr Med** 1985 Mar 28;103(12):313-6 (Eng. Abstr.) **(Ger)**

[Problems in nutrition and management of cancer patients] Sailer D. **Fortschr Med** 1985 Apr 11;103(14):361-4 (Eng. Abstr.) **(Ger)**

[Areas of psychosocial care of children with cancer and their families. Evaluation of a model of comprehensive care] Knispel J, et al. **Klin Padiatr** 1985 May-Jun;197(3):183-7 (Eng. Abstr.) **(Ger)**

[Psychosocial care of children with cancer and their families: requirements and reality] Schellong G. **Klin Padiatr** 1985 May-Jun;197(3):181-2 **(Ger)**

[Hyperthermia in oncology] Lange J, et al. **Langenbecks Arch Chir** 1984;363(1):1-3 **(Ger)**

[Inpatient, day clinic and ambulatory care of children with cancer] Niethammer D. **Monatsschr Kinderheilkd** 1984 Sep; 132(9):624-7 **(Ger)**

[Role of the clinical oncologist and the oncologist in private practice in the ambulatory care of cancer patients] Illiger J, et al. **Onkologie** 1985 Apr;8(2):68-70 **(Ger)**

[Follow-up of potentially cured cancer patients. Object, method and duration?] Joss R, et al. **Schweiz Med Wochenschr** 1985 May 25;115(21):714-21 (17 ref.) (Eng. Abstr.) **(Ger)**

[Cisplatin and radiotherapy] Dühmke E. **Strahlentherapie** 1985 Jun;161(6):367-73 (40 ref.) (Eng. Abstr.) **(Ger)**

[Combined chemotherapy and radiotherapy: cyclophosphamide] Schulz U, et al. **Strahlentherapie** 1985 May;161(5):316-9 (62 ref.) (Eng. Abstr.) **(Ger)**

[Emergencies in oncology] Fereberger W, et al. **Wien Med Wochenschr** 1984 Jul 31;134(13-14):336-9 (Eng. Abstr.) **(Ger)**

[Internal medicine oncology in the aged] Drings P. **Z Gerontol** 1985 May-Jun;18(3):144-8 (Eng. Abstr.) **(Ger)**

[2 years experience with periodic administration of intrathecal morphine to a patient with tumor pain] Fiume D, et al. **Minerva Anestesiol** 1984 Dec;50(12):663-7 (Eng. Abstr.) **(Ita)**

[Cancer and hospices: discussion] **Gan To Kagaku Ryoho** 1984 Nov;11(11):2287-300 **(Jpn)**

[Antitumor activity of bacterial fractions and related synthetic compounds] Azuma I, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 2):2691-9 (Eng. Abstr.) **(Jpn)**

[Phase I study of recombinant human interferon alpha A (Ro 22-8181) in patients with malignant tumors] Taguchi T. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 1):456-64 (Eng. Abstr.) **(Jpn)**

[The 21st Congress of the Japan Society for Cancer Therapy. Panel discussion. Abstracts] **Nippon Gan Chiryo Gakkai Shi** 1984 May 20;19(4):839-969 **(Jpn)**

[22d meeting of the Japan Society for Cancer Therapy. 26-28 September 1984, Tokyo, Japan. Abstracts] **Nippon Gan Chiryo Gakkai Shi** 1984 Aug 30;19(8):157-486 **(Jpn)**

[Clinical studies on radiotherapy combined with local hyperthermia for refractory cancers] Takahashi M, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Oct 20;19(9):2103-12 (Eng. Abstr.) **(Jpn)**

[Local immunotherapy for cancer] Hattori T, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1157-61 (Eng. Abstr.) **(Jpn)**

[Clinical effects of total-body hyperthermia combined with anticancer chemotherapy for far-advanced cancer] Koga S. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1162-5 (Eng. Abstr.) **(Jpn)**

[Cancer therapy manual] **Nippon Rinsho** 1984 Fall;42 Suppl 517:1-1201 **(Jpn)**

[Clinical study on therapeutic plasmapheresis--mechanism of its efficacy, indications, and the clinical application. g. Plasmapheresis for patients with advanced cancer] Nakanishi K, et al. **Nippon Rinsho** 1984 Aug;42(8):1886-92 **(Jpn)**

[Problems of combined use of radiotherapy and chemotherapy (1)] **Rinsho Hoshasen** 1984 Aug;29(8):937-8 **(Jpn)**

[Bone marrow transplantation in the patients with malignant tumor. Studies on supralethal total body irradiation] Tatsuno I, et al. **Rinsho Hoshasen** 1984 Nov;29(12):1393-8 (Eng. Abstr.) **(Jpn)**

[Hyperthermia in cancer therapy] Kawahara H, et al. **Sangyo Ika Daigaku Zasshi** 1984 Sep 1;6(3):307-15 (39 ref.) (Eng. Abstr.) **(Jpn)**

[Chronotherapeutic principles in cancer treatment. Theory and practice] Aardal NP. **Tidsskr Nor Laegeforen** 1985 May 10;105(13):875-8 (Eng. Abstr.) **(Nor)**

[Hyperthermia treatment of cancer] Dahl O, et al. **Tidsskr Nor Laegeforen** 1985 Feb 20;105(5):357-60 (Eng. Abstr.) **(Nor)**

[Continuous subcutaneous treatment of pain in terminal cancer patients] Drøsdal S. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1720-1 (Eng. Abstr.) **(Nor)**

[Treatment of pain in cancer patients with continuous infusion of analgesics] Drøsdal S. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1722-4 (Eng. Abstr.) **(Nor)**

[Treatment of cancer pain with morphine given via epidural catheters] Husebø S. **Tidsskr Nor Laegeforen** 1984 Sep 10; 104(25):1715-7 (Eng. Abstr.) **(Nor)**

[Epidural morphine for severe cancer pain] Landa L, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1713-5 (Eng. Abstr.) **(Nor)**

[Long-term treatment with epidural morphine in cancer patients] Pettersen B, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1733-5 (Eng. Abstr.) **(Nor)**

[Interferon in the treatment of viral, neoplastic and immunologic diseases] Inglot AD. **Patol Pol** 1984 Jul-Sep; 35(3):245-61 (65 ref.) **(Pol)**

[Use of opportunistic Gram-negative microorganisms for stimulating antitumor resistance] Zatula DG, et al. **Klin Khir** 1985 May;(5):48-51 (38 ref.) **(Rus)**

[Bacteriological study of biological preparations intended for the treatment of oncological patients] Grinenko GI, et al. **Lab Delo** 1984;(11):662-6 (Eng. Abstr.) **(Rus)**

[Electron acceptor compounds as radiation sensitizers of hypoxic cells in human tumors] Kiseleva ES, et al. **Med Radiol (Mosk)** 1984 Sep;29(9):74-82 (27 ref.) **(Rus)**

[Enzyme therapy of tumors] Berezov TT. **Vestn Akad Med Nauk SSSR** 1984;(8):11-24 (Eng. Abstr.) **(Rus)**

[Statistical analysis, using the angle transformation method, of the effectiveness of treating patients with malignant tumors] Berezkin DP, et al. **Vopr Onkol** 1985;31(1):18-25 **(Rus)**

[Transcutaneous electrostimulation--method leading to a permeation system of electroanalgesia in oncological practice] Dil'din AS, et al. **Vopr Onkol** 1985;31(8):33-6 (Eng. Abstr.) **(Rus)**

[Mechanism of formation of blocking factors and method of antiblocking immunotherapy in malignant tumors] Kliachkin BM, et al. **Vopr Onkol** 1985;31(2):78-84 (Eng. Abstr.) **(Rus)**

[Outlook for the use of antitumor vaccines in the treatment and prevention of malignant neoplasms] Shuklinov VA, et al. **Vopr Onkol** 1985;31(8):3-10 (63 ref.) **(Rus)**

[Use of interferon in experimental and clinical oncology based on data from foreign scientific research centers] Sil'chenko NN, et al. **Vopr Onkol** 1985;31(1):3-8 (30 ref.) **(Rus)**

[Organizational experience with polyclinic service for cancer patients] Talaev MI, et al. **Vopr Onkol** 1985;31(3):96-8 (Eng. Abstr.) **(Rus)**

[Present and future of therapeutic oncology] García G, et al. **Gac Med Mex** 1984 Jul-Aug;120(7-8):281-300 **(Spa)**

[Treatment of cancer] Arraztoa J. **Rev Med Chil** 1984 Aug; 112(8):837-41 (Eng. Abstr.) **(Spa)**

[An oncologist's point of view on cancer and miracle medicines] Nordman E. **Nord Med** 1985;100(4):120-1 (Eng. Abstr.) **(Swe)**

TRANSMISSION

Cell fusion responsible for horizontal oncogenesis by human tumors in nude mice. Kömpf J, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):933-8

ULTRASTRUCTURE

The cytoskeleton in cancer cells. Ben-Ze'ev A. **Biochim Biophys Acta** 1985;780(3):197-212 (281 ref.)

Evidence for a highly asymmetric arrangement of ether- and diacyl-phospholipid subclasses in the plasma membrane of Krebs II ascites cells. Record M, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):449-56

Carbohydrates of the tumor cell surface. Smets LA, et al. **Biochim Biophys Acta** 1984;738(4):237-49 (121 ref.)

An assessment of the value of electron microscopy in tumour diagnosis. Fisher C, et al. **J Clin Pathol** 1985 Apr; 38(4):403-8

Spontaneous cell fusion in human malignancies: possible mechanism leading to heterogeneity [letter] Kovacs G, et al. **Lancet** 1985 Feb 9;1(8424):350

Ultrastructure of the surface coat of the mesothelial and cancer cells from human effusions. Czerniak B. **Mater Med Pol** 1984 Jan-Mar;16(1):3-7

Rapid deparaffinization for electron microscopy. van den Bergh Weerman MA, et al. **Ultrastruct Pathol** 1984; 7(1):55-7

[The cytoskeleton reveals the kind of cancer. Cell-specific support structures are not destroyed by the tumor] **Fortschr Med** 1984 Oct 25;102(40):96-7 **(Ger)**

URINE

5'-Methylthioadenosine in urine from normal subjects and cancer patients. Kaneko K, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):169-74

Mass fragmentographic identification of polyamine metabolites in the urine of normal persons and cancer patients, and its relevance to the use of polyamines as tumour markers. van den Berg GA, et al. **J Chromatogr** 1985 May 3;339(2):223-31

Urinary neopterin in the diagnosis and follow-up of neoplasia: a biochemical parameter to detect cell-mediated immune response. Fuchs D, et al. **Tumour Biol** 1984; 5(3-4):199-209

[Polyamine in the urine of patients with malignant tumor] Miao JS. **Chung Hua Chung Liu Tsa Chih** 1984 Jul; 6(4):269-72 (Eng. Abstr.) **(Chi)**

VETERINARY

Xiphophorus as an in vivo model for studies on normal and defective control of oncogenes. Anders F, et al. **Adv Cancer Res** 1984;42:191-275 (264 ref.)

Pilot study on the treatment with thioproline of 24 small animals with tumors. Grier RL, et al. **Am J Vet Res** 1984 Oct;45(10):2162-6

The accuracy of clinical diagnoses by fine-needle aspiration cytology. Mills JN, et al. **Aust Vet J** 1984 Aug;61(8):269-71

Induction of branchial (gill) neoplasms in the medaka fish (Oryzias latipes) by N-methyl-N'-nitro-N-nitrosoguanidine. Brittelli MR, et al. **Cancer Res** 1985 Jul;45(7):3209-14

Effects of plasma treatment with purified protein A and Staphylococcus aureus Cowan I on spontaneous animal neoplasms. Klausner JS, et al. **Cancer Res** 1985 Mar; 45(3):1263-9

Factors affecting spontaneous tumor incidence rates in mice: a literature review. Everett R. **CRC Crit Rev Toxicol** 1984; 13(3):235-51 (103 ref.)

Relationship of body-weight gain to longevity and to risk of development of nephropathy and neoplasia in Sprague-Dawley rats. Turnbull GJ, et al. **Food Chem Toxicol** 1985 Mar;23(3):355-61

Clonal origin of spontaneous multiple mammary tumors in mice with cellular mosaicism. Tanaka K, et al. **Gann** 1984 Sep;75(9):792-7

Elevated expression of the cellular src gene in tumors of differing etiologies in Xiphophorus. Schartl M, et al. **Int J Cancer** 1985 Aug 15;36(2):199-207

Chemotherapy of advanced mammary adenocarcinoma in 14 cats. Jeglum KA, et al. **J Am Vet Med Assoc** 1985 Jul 15;187(2):157-60

Cisplatin, a new antineoplastic drug in veterinary medicine. Page R, et al. **J Am Vet Med Assoc** 1985 Feb 1; 186(3):288-90

Evaluation of effects of levamisole and surgery on canine mammary cancer. MacEwen EG, et al. **J Biol Response Mod** 1985 Aug;4(4):418-26

Evaluation of effect of levamisole on feline mammary cancer. MacEwen EG, et al. **J Biol Response Mod** 1984 Oct; 3(5):541-6

Intraductal mammary carcinoma and benign ovarian teratoma in a rhesus monkey. Eydelloth RS, et al. **J Med Primatol** 1983;12(2):101-5

A comparison of life-span and spontaneous tumor incidence of male and female Han:WIST virgin and retired breeder rats. Rehm S, et al. **Lab Anim Sci** 1984 Oct;34(5):458-64

Surgical management of cancer. Henderson RA, et al. **Mod Vet Pract** 1984 Aug;65(8):615-21 (16 ref.)

Estrogen and progesterone receptors and progesterone metabolism in canine mammary tumours. Inaba T, et al. **Nippon Juigaku Zasshi** 1984 Dec;46(6):797-803

Imaging of canine cancers with 18F-2-fluoro-2-deoxy-D-glucose (FDG) suggests further applications for cancer imaging in man. Paul R, et al. **Nucl Med Commun** 1984 Oct;5(10):641-6

Symposium on clinical veterinary oncology. **Vet Clin North Am [Small Anim Pract]** 1985 May; 15(3):471-693

Symposium on canine hematopoietic tumors. **Vet Clin North Am [Small Anim Pract]** 1985 Jul; 15(4):695-862

Surgery in hematopoietic tumors. Brown NO. **Vet Clin North Am [Small Anim Pract]** 1985 Jul; 15(4):827-34 (39 ref.)

Current experimental therapy. Cotter SM. **Vet Clin North Am [Small Anim Pract]** 1985 Jul; 15(4):845-58 (39 ref.)

Canine mammary gland tumors. Ferguson HR. **Vet Clin North Am [Small Anim Pract]** 1985 May; 15(3):501-11 (35 ref.)

Feline mammary tumors. Hayes AA, et al. **Vet Clin North Am [Small Anim Pract]** 1985 May; 15(3):513-20

Classification of hematopoietic system neoplasia in the dog. Holmberg CA. **Vet Clin North Am [Small Anim Pract]** 1985 Jul;15(4):697-707 (30 ref.)

Treatment of metastasis. Jeglum KA. **Vet Clin North Am [Small Anim Pract]** 1985 May; 15(3):659-66

Immunomodulation of hematopoietic tumors. Jeglum KA. **Vet Clin North Am [Small Anim Pract]** 1985 Jul; 15(4):817-26 (33 ref.)

Approaches to cancer therapy using biological response modifiers. MacEwen EG. **Vet Clin North Am [Small Anim Pract]** 1985 May; 15(3):667-88 (152 ref.)

Immunoglobulin-producing tumors. Matus RE, et al. **Vet Clin North Am [Small Anim Pract]** 1985 Jul; 15(4):741-53 (53 ref.)

Paraneoplastic disorders in dogs with hematopoietic tumors. Weller RE. **Vet Clin North Am [Small Anim Pract]** 1985 Jul;15(4):805-16 (37 ref.)

Rumen papillomas in sheep. Norval M, et al. **Vet Microbiol** 1985 Apr;10(3):219-29

Mammary carcinoma with metastasis in a rhesus monkey (Macaca mulatta). Hubbard GB, et al. **Vet Pathol** 1984 Sep; 21(5):531-3

Amyloid in canine mammary tumors. Vos JH, et al.

Vet Pathol 1985 Jul;22(4):347–54

Selenium/vitamin E and cancerous conditions [letter] Cowie RS. **Vet Rec** 1985 Feb 9;116(6):168

Could canine cancer be reduced by selective breeding? [letter] Macadam I. **Vet Rec** 1984 Oct 13;115(15):391

[Usefulness of the determination of serum lysozyme levels in dogs with tumors] Borst GH, et al. **Tijdschr Diergeneeskd** 1984 Aug 15;109(15–16):627–9 (Eng. Abstr.) (Dut)

[Mammary changes in male dogs following gestagen treatment] Braun U, et al. **Berl Munch Tierarztl Wochenschr** 1984 Dec 1;97(12):447–51 (Eng. Abstr.) (Ger)

[Fine structure of comedocarcinoma in dogs and cats] Schönbauer M. **Berl Munch Tierarztl Wochenschr** 1984 Dec 1;97(12):451–6 (Eng. Abstr.) (Ger)

[Mammary tumors in the dog: diagnosis, prognosis and biological behavior] Kälin S, et al. **Schweiz Arch Tierheilkd** 1985 Mar;127(3):205–12 (Eng. Abstr.) (Ger)

[A mammary adenocarcinoma with skeletal metastasis in a female dog] Schäffer EH, et al. **Tierarztl Prax** 1984; 12(2):251–4 (Ger)

NEOPLASMS, DENTAL TISSUE see **ODONTOGENIC TUMORS**

NEOPLASMS, EMBRYONAL AND MIXED

The Danish Testicular Carcinoma Study (DATECA). Schultz HP. **Acta Radiol [Oncol]** 1984;23(4):237–8

Adjuvant surgery in the management of patients with germ cell tumors [editorial] Bosl GJ. **Ann Thorac Surg** 1984 Nov; 38(5):432

Melanotic neuroectodermal tumour of the maxilla (a case report). Kirtane MV, et al. **J Postgrad Med** 1984 Oct; 30(4):250–2

Malignant germ cell tumors of the mediastinum. Knapp RH, et al. **J Thorac Cardiovasc Surg** 1985 Jan;89(1):82–9

ANALYSIS

Tumor markers in germinal testis tumors. Perrin P, et al. **Acta Urol Belg** 1985;53(2):199–222 (21 ref.) (Eng, Fre)

[Serum AFP subfractions in patients with hepatic cancer or germ cell tumor of the gonads] Ishiguro T, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):611–5 (Eng. Abstr.) (Jpn)

BLOOD

Tumour markers in testicular germ cell tumours. Five-year experience from the DATECA Study 1976–1980. Nørgaard-Pedersen B, et al. **Acta Radiol [Oncol]** 1984; 23(4):287–94

Hematologic malignancies associated with primary mediastinal germ-cell tumors. Nichols CR, et al. **Ann Intern Med** 1985 May;102(5):603–9

Significance of human chorionic gonadotropin, alpha-fetoprotein, and pregnancy-specific beta-1-glycoprotein in the detection of tumor relapse and partial remission in 126 patients with nonseminomatous testicular germ cell tumors. de Bruijn HW, et al. **Cancer** 1985 Feb 15;55(4):829–35

Clinical usefulness of serum ferritin measurements in patients with testicular germ cell tumors. Szymendera JJ, et al. **Oncology** 1985;42(4):253–8

[Evaluation of plasma tumor markers in germinal tumors of the testis] Blacker C, et al. **Ann Med Interne (Paris)** 1984; 135(5):376–80 (Eng. Abstr.) (Fre)

CHEMICALLY INDUCED

Testicular germ cell tumors after clomiphene therapy for subfertility. Nilsson A, et al. **J Urol** 1985 Sep;134(3):560–2

CLASSIFICATION

Immunocytochemistry and search for a functional classification of germ cell tumours. Hustin J, et al. **Acta Urol Belg** 1985;53(2):223–37 (Eng, Fre)

A commentary on the proposed revision of the World Health Organization classification of brain tumors for childhood brain tumors. Rubinstein LJ. **Cancer** 1985 Oct 1;56(7 Suppl):1887–8

Primary nonepithelial cancers of the ovary. Cavanagh D, et al. **Obstet Gynecol Annu** 1985;14:344–81 (93 ref.)

COMPLICATIONS

Angiosarcoma associated with germ cell tumors. Ulbright TM, et al. **Hum Pathol** 1985 Mar;16(3):268–72

Hemifacial spasm associated with a mixed benign parotid tumour [letter] Destee A, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):189–90

CONGENITAL

Melanotic neuroectodermal tumor of infancy (retinal anlage tumor). Lamping KA, et al. **Ophthalmology** 1985 Jan; 92(1):143–9

DIAGNOSIS

Abdominal pain as a presenting symptom of male germ cell tumour. Hogan P, et al. **Br J Urol** 1985 Apr;57(2):197–9

Primitive neuroectodermal tumor presenting as meningitis. Crouse DT, et al. **Clin Pediatr (Phila)** 1985 Oct;24(10):586, 589–90

Extragonadal germ-cell cancer [letter] Sappino AP, et al. **N Engl J Med** 1985 Mar 14;312(11):725–6

Standardized echography in the differentiation of orbital lesions. Byrne SF. **Surv Ophthalmol** 1984 Nov–Dec; 29(3):226–8

Localization, incidence, diagnosis and treatment of extratesticular germ cell tumors. Kühn MW, et al. **Urol Int** 1985;40(3):166–72

Diagnostics and therapy of germinal testicular tumors. Vahlensieck W, et al. **Urol Int** 1985;40(1):48–59

[Serum lactic dehydrogenase assay in the diagnosis and therapeutic monitored of ovarian carcinoma] Mi RR. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):81–4, 126 (Eng. Abstr.) (Chi)

[Tumor marker diagnosis in non-seminomatous testicular tumors using human chorionic gonadotropin (HCG) and alpha fetoprotein (AFP)] Boewer C, et al. **Z Urol Nephrol** 1985 Feb;78(2):77–86 (Eng. Abstr.) (Ger)

[Enzyme immunoassay for pregnancy-specific beta 1-glycoprotein (SP-1) in patients with testicular tumors] Schulze H, et al. **Z Urol Nephrol** 1985 Jun;78(6):293–8 (Eng. Abstr.) (Ger)

[A case report of testicular cancer with gynecomastia as its initial symptom] Kawamura T, et al. **Hokkaido Igaku Zasshi** 1984 May;59(3):356–8 (Jpn)

[A new serological diagnostic method for malignant tumors of germ cell origin with differentiation associated antigens (F9 antigens)] Higaki K, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Jul 20;19(6):1281–8 (Eng. Abstr.) (Jpn)

[Extragonadal germ cell cancer in the mediastinum] Mella O, et al. **Tidsskr Nor Laegeforen** 1985 May 30; 105(15):1060–3 (Eng. Abstr.) (Nor)

[Extra-gonadal germinative tumors of the retroperitoneum. Case report] Jurga L, et al. **Cesk Radiol** 1985 Mar; 39(2):105–7 (Eng. Abstr.) (Slo)

DRUG THERAPY

The chemotherapy of disseminated testicular non-seminomatous germ cell tumors and the clinical research of the EORTC Genitourinary Group. Stoter G, et al. **Acta Urol Belg** 1985;53(2):428–40 (26 ref.) (Eng, Fre)

Role of etoposide-based chemotherapy in the treatment of patients with refractory or relapsing germ cell tumors. Bosl GJ, et al. **Am J Med** 1985 Mar;78(3):423–8

Malignant ovarian germ cell tumors: a review of thirty-six cases. Micha JP, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):842–6

Chemotherapy of disseminated testicular cancer--a Singapore experience. Tan YO. **Ann Acad Med Singapore** 1984 Oct;13(4):625–9

Non-seminomatous germ cell testicular tumours: residual masses after chemotherapy. Levitt MD, et al. **Br J Surg** 1985 Jan;72(1):19–22

Combination chemotherapy for mixed müllerian tumor of the Fallopian tube. Deppe G, et al. **Cancer** 1984 Oct 15; 54(8):1517–20

Nonseminomatous malignant germ cell tumors in children. Multidrug therapy in Stages III and IV. Flamant F, et al. **Cancer** 1984 Oct 15;54(8):1687–91

Early resection of residual tumor during cisplatin, vinblastine, bleomycin combination chemotherapy in stage III and bulky stage II nonseminomatous testicular cancer. Pizzocaro G, et al. **Cancer** 1985 Jul 15;56(2):249–55

Vincristine, dactinomycin, and cyclophosphamide in the treatment of malignant germ cell tumors of the ovary. A Gynecologic Oncology Group Study (a final report). Slayton RE, et al. **Cancer** 1985 Jul 15;56(2):243–8

Vinblastine, bleomycin, and cisplatin in malignant germ cell tumors of the ovary. Taylor MH, et al. **Cancer** 1985 Sep 15;56(6):1341–9

Phase II trial of mitoguazone in patients with refractory germ cell tumors. Chun H, et al. **Cancer Treat Rep** 1985 Apr; 69(4):461–2

Phase II trial of 1,2-diaminocyclohexane-(4-carboxyphthalato) platinum(II) in patients with refractory germ cell tumors. Chun H, et al. **Cancer Treat Rep** 1985 Apr;69(4):459–60

Phase II trial of 13-cis-retinoic acid in patients with advanced nonseminomatous germ cell tumors. Gold EJ, et al. **Cancer Treat Rep** 1984 Oct;68(10):1287–8

Etoposide and cisplatin with or without bleomycin as first-line chemotherapy for patients with small-volume metastases of testicular nonseminoma. Peckham MJ, et al. **Cancer Treat Rep** 1985 May;69(5):483–8

Etoposide and very high dose cisplatin: salvage therapy for patients with advanced germ cell neoplasms. Trump DL, et al. **Cancer Treat Rep** 1985 Mar;69(3):259–61

The antiemetic effect of methylprednisolone in patients treated with cis-platinum (CDDP) for advanced testicular germ cell tumors. Salvioni R, et al. **Chemioterapia** 1984 Aug;3(4):223–6

Successful treatment of mediastinal germ cell/endodermal sinus tumors. Vogelzang NJ, et al. **Chest** 1985 Jul;88(1):64–9

Bulky germinal tumors: comparison of different induction regimens and significance of residual disease. Kreuser ED, et al. **Eur Urol** 1985;11(3):163–9

Advanced testicular cancer: treatment choices in the 'land of plenty'. Garnick MB. **J Clin Oncol** 1985 Mar;3(3):294–7

Successful treatment of resistant germinal neoplasms with VP-16 and cisplatin: results of a Southeastern Cancer Study Group trial. Hainsworth JD, et al. **J Clin Oncol** 1985 May; 3(5):666–71

The results of chemotherapy for extragonadal germ-cell tumors in the cisplatin era: the Memorial Sloan-Kettering Cancer Center experience (1975 to 1982). Israel A, et al. **J Clin Oncol** 1985 Aug;3(8):1073–8

Chemotherapy of extragonadal germ cell tumors. Logothetis CJ, et al. **J Clin Oncol** 1985 Mar;3(3):316–25

Improved survival with cyclic chemotherapy for nonseminomatous germ cell tumors of the testis. Logothetis CJ, et al. **J Clin Oncol** 1985 Mar;3(3):326–35

Leukemia following treatment of germ cell tumors in men [letter] Pedersen-Bjergaard J, et al. **J Clin Oncol** 1985 Jun; 3(6):885–7

Predictors of recurrence in stage II nonseminomatous testicular cancer after lymphadenectomy: implications for adjuvant chemotherapy. Javadpour N. **J Urol** 1985 Sep; 134(3):629

Vinblastine, actinomycin D, bleomycin, cyclophosphamide and cis-platinum for advanced germ cell testis tumors: Brazilian experience. Srougi M, et al. **J Urol** 1985 Jul; 134(1):65–9

Preliminary results of the GPO-trial for treatment of non-testicular germ-cell tumors in children and adolescents. Göbel U, et al. **Onkologie** 1985 Jun;8(3):178–80

VP-16 in combinations for first-line treatment of malignant germ-cell tumors and gestational choriocarcinoma. Newlands ES. **Semin Oncol** 1985 Mar;12(1 Suppl 2):37–41

Treatment results of stage III germinal testicular tumors. Akdaş A, et al. **Turk J Pediatr** 1984;26(1–4):301–6

[Diagnosis and treatment of germ cell tumors of the ovary] Sawada M, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2489–95 (Eng. Abstr.) (Jpn)

[Effectiveness of chemotherapy by the AVM protocol (adriamycin, vincristine and methotrexate) after unsuccessful treatment of patients with non-seminoma using PVB (cisplatin, vinblastine and bleomycin)] Madej G, et al. **Nowotwory** 1984 Oct–Dec;34(4):329–34 (Eng. Abstr.) (Pol)

ENZYMOLOGY

Serum marker potential of placental alkaline phosphatase-like activity in testicular germ cell tumours evaluated by H17E2 monoclonal antibody assay. Tucker DF, et al. **Br J Cancer** 1985 May;51(5):631–9

Serum lactic dehydrogenase (SLDH) in germ cell malignancies of the ovary. Lui TL, et al. **Gynecol Oncol** 1984 Nov;19(3):355–7

ETIOLOGY

Intracranial germ-cell tumors: natural history and pathogenesis. Jennings MT, et al. **J Neurosurg** 1985 Aug; 63(2):155–67 (167 ref.)

Malignant mixed mesodermal tumor of bladder occurring after radiotherapy for cervical cancer: report of a case. Kanno J, et al. **J Urol** 1985 May;133(5):854–6

FAMILIAL & GENETIC

Testicular neoplasms occurring in four brothers. A search for a genetic predisposition. Gedde-Dahl T Jr, et al. **Cancer** 1985 May 1;55(9):2005–9

Familial testicular cancer and urogenital developmental anomalies. Tollerud DJ, et al. **Cancer** 1985 Apr 15; 55(8):1849–54

Testicular neoplasms in Hispanic brothers. Shapiro CM, et al. **J Surg Oncol** 1985 Apr;28(4):257–62

Testicular germ cell tumors in monozygotic twins: case report and review of the literature. Martin WM, et al. **J Urol** 1985 Oct;134(4):765–7

[Immunologic phenotypes of germinal center cell tumors] Radaszkiewicz T, et al. **Wien Klin Wochenschr** 1985 Feb 1;97(3):126–30 (Eng. Abstr.) (Ger)

[Tumor of the pineal region in three brothers] Kido G, et al. **No Shinkei Geka** 1984 Jul;12(8):975–80 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Neuroectodermal tumor and monoclonal antibodies. Helson L, et al. **Am J Pediatr Hematol Oncol** 1984 Fall;6(3):227–31

Antigenic markers in extragonadal germ cell tumors. Maiorana A, et al. **Appl Pathol** 1984;2(2):96–102

Differential Hm antigen expression on EC cells and early differentiated derivatives. Simmler MC, et al. **EMBO J** 1985 May;4(5):1177–85

Definition of three species-specific monoclonal antibodies recognizing antigenic structures present on human embryonal carcinoma cells which undergo modulation during in vitro differentiation. Blaineau C, et al. **Int J Cancer** 1984 Oct 15;34(4):487–94

[Immunologic function of ovarian cancer] Hu XF, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):72–5, 125 (Eng. Abstr.) (Chi)

METABOLISM

Intermediate filament proteins in human testis and testicular germ-cell tumors. Miettinen M, et al. **Am J Pathol** 1985 Sep;120(3):402-10

Intracranial germ-cell tumors. Immunohistochemical study of three autopsy cases. Naganuma H, et al. **J Neurosurg** 1984 Nov;61(5):931-7

Immunohistochemical localization of HCG and its subunits in testicular germ cell tumours. Hustin J, et al. **Virchows Arch [A]** 1985;406(3):333-8

[Mixed mesodermal tumor of the uterus with production of alpha- fetoprotein (AFP)] Kawagoe K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Aug; 36(8):1283-6 **(Jpn)**

MORTALITY

Prognostic factors in testicular germ cell tumours. Experiences from 1058 consecutive cases. Vaeth M, et al. **Acta Radiol [Oncol]** 1984;23(4):271-85

Non-seminomatous testicular germ cell tumours in Denmark 1976-1980. Results of treatment. von der Maase H, et al. **Acta Radiol [Oncol]** 1984;23(4):255-61

The prognosis of specific types of salivary gland tumors. Hickman RE, et al. **Cancer** 1984 Oct 15;54(8):1620-4

Prognostic factors in advanced non-seminomatous germ-cell testicular tumours: results of a multicentre study. Report from the Medical Research Council Working Party on Testicular Tumours. **Lancet** 1985 Jan 5;1(8419):8-11

[Follow-up studies on 107 cases of germinal tumors and long-term survivors] Kuwahara K, et al. **Neurol Med Chir (Tokyo)** 1984 Nov;24(11):854-62 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Cortical cerebellar degeneration with testicular neoplasm. Yamada M, et al. **Acta Neuropathol (Berl)** 1985;66(2):170-2

Testicular germ cell tumours in Denmark 1976-1980. Pathology of 1058 consecutive cases. Krag Jacobsen G, et al. **Acta Radiol [Oncol]** 1984;23(4):239-47

Testicular carcinoma in Denmark 1976-1980. Stage and selected clinical parameters at presentation. Schultz HP, et al. **Acta Radiol [Oncol]** 1984;23(4):249-53

Polyembryoma of testis. Cornet A, et al. **Acta Urol Belg** 1985; 53(1):107-14

Laryngeal blastoma. A light and electron microscopic study of a novel entity analogous to pulmonary blastoma. Eble JN, et al. **Am J Clin Pathol** 1985 Sep;84(3):378-85

Melanocytic neuroectodermal tumor of the foot. Report of a case with multicentric origin. Young S, et al. **Am J Clin Pathol** 1985 Sep;84(3):371-8

Immature teratoma of the ovary with predominant malignant retinal anlage component. A parthenogenically derived tumor. King ME, et al. **Am J Surg Pathol** 1985 Mar; 9(3):221-31

Frequency of intratubular germ cell neoplasia with invasive testicular germ cell tumors. Histologic and immunocytochemical features. Coffin CM, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):555-9

Embryonal (undifferentiated) sarcoma of the liver. Fine-needle aspiration cytology and ultrastructural findings. Pieterse AS, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):677-80

Transplantability in nude mice of embryonic and other childhood tumours. Rousseau-Merck MF, et al. **Br J Cancer** 1985 Aug;52(2):279-83

A case report of neuroectodermal tumour of infancy. McDonald F. **Br J Oral Maxillofac Surg** 1985 Jun; 23(3):227-9

Teratoma with malignant transformation in germ cell tumors in men. Ahmed T, et al. **Cancer** 1985 Aug 15;56(4):860-3

The association of embryonal tumors originating in the kidney and in the brain. A report of seven cases. Bonnin JM, et al. **Cancer** 1984 Nov 15;54(10):2137-46

Peripheral neuroectodermal tumors of the chest wall in childhood. Gonzalez-Crussi F, et al. **Cancer** 1984 Dec 1; 54(11):2519-27

Nonhepatocytic malignant mixed tumor primary in the liver. Report of two cases. Kawarada Y, et al. **Cancer** 1985 Apr 15;55(8):1790-8

Retroperitoneal germ cell tumors in childhood. A clinical and pathologic study of 11 cases. Lack EE, et al. **Cancer** 1985 Aug 1;56(3):602-8

Differentiation potential of human embryonal carcinoma cell lines. Bronson DL, et al. **Cell Differ** 1984 Dec; 15(2-4):129-32

Primitive neuroectodermal tumor with choroid plexus differentiation. Janzer RC, et al. **Clin Neuropathol** 1985 May-Jun;4(3):93-8

Primitive neuroectodermal tumors of the cauda equina in adults with no detectable primary intracranial neoplasm--three case studies. Kepes JJ, et al. **Clin Neuropathol** 1985 Jan-Feb;4(1):1-11

Prognostic factors in malignant mesodermal (mullerian) mixed tumors of the uterus. Macasaet MA, et al. **Gynecol Oncol** 1985 Jan;20(1):32-42

Müllerian clear cell carcinofibroma of the uterine corpus. Peters WM, et al. **Histopathology** 1984 Nov;8(6):1069-78

Extragonadal germ cell tumors of the head and neck region: review of 16 cases. Lack EE. **Hum Pathol** 1985 Jan; 16(1):56-64

Epididymal melanotic neuroectodermal tumor of infancy. Ricketts RR, et al. **Hum Pathol** 1985 Apr;16(4):416-20

A mixed germ cell-sex cord-stromal tumor of the ovary with retiform tubular structure: a case report. Tokuoka S, et al. **Int J Gynecol Pathol** 1985;4(2):161-70

A rare malignant ovarian mixed germ cell tumor containing pancreatic tissue with islet cells. Ueda G, et al. **Int J Gynecol Pathol** 1984;3(2):220-31

Testicular germ cell tumours. Current problems of histogenesis and classification. Kiss F, et al. **Int Urol Nephrol** 1985;17(1):85-95 (60 ref.)

Serial transplantation of a heterologous, mixed Müllerian tumor in the nude (athymic) mouse: growth characteristics and morphology. Centola GM, et al. **Invasion Metastasis** 1985;5(1):42-9

Parapharyngeal neurogenic tumors: nine-year experience. Cutchavaree A, et al. **J Med Assoc Thai** 1984 Jun; 67(6):350-5

Primitive neuroectodermal tumours of the cerebrum. Pathology and treatment. Gaffney CC, et al. **J Neurooncol** 1985;3(1):23-33

Embryonal central neuroepithelial tumors and their differentiating potential. A cytogenetic view of a complex neuro-oncological problem. Rubinstein LJ. **J Neurosurg** 1985 Jun;62(6):795-805 (100 ref.)

Mediastinal germ cell tumors in childhood. A clinical and pathological study of 21 cases. Lack EE, et al. **J Thorac Cardiovasc Surg** 1985 Jun;89(6):826-35

The epithelial origin of a malignant mesodermal mixed tumor of the bladder: report of a case with long-term survival. Fromowitz FB, et al. **J Urol** 1984 Nov;132(5):978-81

Intratubular malignant germ cells (carcinoma in situ) accompanying invasive testicular germ cell tumors. Klein FA, et al. **J Urol** 1985 Mar;133(3):413-5

Histological patterns of treatment failures in testicular neoplasms. Nseyo UO, et al. **J Urol** 1985 Feb;133(2):219-20

Unilateral lymphadenectomy in intraoperative stage I nonseminomatous germinal testis cancer. Pizzocaro G, et al. **J Urol** 1985 Sep;134(3):485-9

Inguinal lymph node metastases from testicular tumor. Stein M, et al. **J Urol** 1985 Jul;134(1):144-5

Malignant mixed mesodermal tumor of the ovary: a report of 22 cases. Dictor M. **Obstet Gynecol** 1985 May; 65(5):720-4

Metastatic pathways of nonseminomatous germ cell tumors. Donohue JP. **Semin Urol** 1984 Nov;2(4):217-29

Residual retroperitoneal tumour tissue in patients treated for metastatic non-seminomatous testicular germ cell tumours: an immunohistochemical investigation. Jacobsen GK, et al. **Tumour Biol** 1985;6(1):25-35

[Extra-gonadal germ cell tumors--report of 24 cases] Ma NX. **Chung Hua Chung Liu Tsa Chih** 1984 Nov;6(6):442-4 (Eng. Abstr.) **(Chi)**

[Germ cell tumor of the testis--a report of 65 cases with special reference to histologic classification] Xin S. **Chung Hua Chung Liu Tsa Chih** 1984 May;6(3):203-5 (Eng. Abstr.) **(Chi)**

[Pathological analysis of 1726 cases of ovarian tumors] Chen CF. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):76-8, 125 (Eng. Abstr.) **(Chi)**

[An analysis of 29 cases of malignant mixed mullerian tumor] Zhu RL. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jul; 19(3):155-7, 191 (Eng. Abstr.) **(Chi)**

[Malignant tumors of the testes: anatomo-clinical study: apropos of 42 cases] Ben Romdhane K, et al. **Tunis Med** 1983 Jul-Aug;61(4):265-70 **(Fre)**

[Progonoma or neuroectodermal melanotic tumor of infancy (NMTI)] Bubnich F, et al. **Minerva Stomatol** 1985 May-Jun;34(3):515-8 (Eng. Abstr.) **(Ita)**

[Three cases of primary lung and mediastinal malignant germ cell tumors --clinical and pathological studies] Nozaki M, et al. **Gan No Rinsho** 1984 Aug;30(10):1314-20 (Eng. Abstr.) **(Jpn)**

[The pathology of germ cell tumors of the ovary] Ishikawa E. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2479-88 (Eng. Abstr.) **(Jpn)**

[Histopathology of testicular germ cell tumors] Morinaga S, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2460-7 (Eng. Abstr.) **(Jpn)**

[Bilateral primary germ cell tumors of the testis: report of two cases and review of the literature] Okada S, et al. **Hinyokika Kiyo** 1984 Oct;30(10):1497-503 (Eng. Abstr.) **(Jpn)**

[Clinical studies of bilateral germ cell tumor of the testis: report of 3 cases and review of the literature] Tsunekawa T, et al. **Hinyokika Kiyo** 1984 Sep;30(9):1275-84 (Eng. Abstr.) **(Jpn)**

[A case of primary extragonadal germ cell tumor] Onishi S, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Oct; 75(10):1665-9 (Eng. Abstr.) **(Jpn)**

[Exfoliative cytology of mixed mesodermal tumors of the uterus--review of cytologic smears sampled prior to therapy] Matsuyama S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jul; 37(7):1125-34 (Eng. Abstr.) **(Jpn)**

[Malignant liver tumor of complex histogenesis: mixed hepatoblastoma, hepatocellular and cholangiocellular cancer and apudoma] Serezhin BS, et al. **Arkh Patol** 1984; 46(8):63-7 (Eng. Abstr.) **(Rus)**

[Case of a giant androsteroma] Boguslavskaia MI, et al. **Klin Med (Mosk)** 1985 Apr;63(4):123-4 **(Rus)**

RADIOGRAPHY

Radiologic characteristics of primitive neuroectodermal tumors in children. Altman N, et al. **AJNR** 1985 Jan-Feb; 6(1):15-8

[Intracranial germ cell tumors with special emphasis on computed tomography and cerebral angiography] Imai T, et al. **Neurol Med Chir (Tokyo)** 1984 Oct;24(10):767-73 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Radioimmunodetection of primary and metastatic germ cell tumours containing alpha-foetoprotein. Ferrant A, et al. **Acta Urol Belg** 1985;53(2):271-82 **(Eng, Fre)**

Radioimmunodetection of primary and metastatic germ cell tumors containing alpha-fetoprotein. van Cangh PJ, et al. **Eur Urol** 1984;10(4):266-71

RADIOTHERAPY

Is there a role for radiotherapy in the management of testicular non-seminomas? Tiver KW, et al. **Australas Radiol** 1984 Aug;28(3):247-56 (56 ref.)

Radiation therapy for pineal and suprasellar germ cell tumors. Rich TA, et al. **Cancer** 1985 Mar 1;55(5):932-40

SECONDARY

Treatment of residual intrathoracic metastases in metastatic tumors. van de Wal HJ, et al. **Acta Urol Belg** 1985; 53(2):441-50 **(Eng, Fre)**

Rhabdomyosarcoma in a patient treated for metastatic germ cell tumour of the testis containing teratoma--a case report. Haines IE, et al. **Aust NZ J Surg** 1985 Apr;55(2):141-3

Pulmonary metastases and ovarian cancer. Kerr V. **Conn Med** 1984 Dec;48(12):770-6

AFP index, a parameter for the detection of brain metastases in non-seminomatous germ cell tumours of the testis [letter] Marrink J, et al. **Eur J Cancer Clin Oncol** 1984 Sep; 20(9):1207-8

Unusual intracardiac metastasis of a testicular embryonal carcinoma. Maione S, et al. **Int J Cardiol** 1985 Aug; 8(4):496-500

Nuclear magnetic resonance imaging of spinal dissemination of intracranial germ cell tumor: a case report. Shirakuni T, et al. **J Comput Tomogr** 1985 Jul;9(3):199-202

[Metastatic intracranial germ cell tumor. Case report] Matsumae M, et al. **Neurol Med Chir (Tokyo)** 1985 Feb; 25(2):110-4 (Eng. Abstr.) **(Jpn)**

SURGERY

Surveillance following orchiectomy for clinicaL stage I testicular germ-cell malignancy. Peckham MJ. **Acta Urol Belg** 1985;53(2):283-98 **(Eng, Fre)**

Post-chemotherapy surgery in advanced non-seminomatous germ-cell testicular tumours: the significance of histology with particular reference to differentiated (mature) teratoma. Tait D, et al. **Br J Cancer** 1984 Nov;50(5):601-9

Relapse pattern of pathologic stage I nonseminomatous germ cell tumors of the testis following orchidectomy and lymphadenectomy. Pizzocaro G, et al. **Eur Urol** 1985; 11(2):79-82

Sperm parameters and ejaculation before and after operative treatment of patients with germ-cell testicular cancer. Fritz K, et al. **Fertil Steril** 1985 Mar;43(3):451-4

Surgical treatment of patients with stages I and II nonseminomatous testicular cancer. Fraley EE, et al. **J Urol** 1985 Jul;134(1):70-3

The extent of surgery after chemotherapy for advanced germ cell tumors. Freiha FS, et al. **J Urol** 1984 Nov;132(5):915-7

Surgical management of early-stage nonseminomatous germ cell tumors of the testis. Lieskovsky G, et al. **Semin Urol** 1984 Nov;2(4):208-16

[Management of malignant tumors of the thymus] Tubota N, et al. **Nippon Geka Gakkai Zasshi** 1985 Jun;86(6):752-61 (Eng. Abstr.) **(Jpn)**

[Retroperitoneal lymph node excision in the treatment of patients with testicular non-seminoma] Kulakowski A, et al. **Nowotwory** 1984 Oct-Dec;34(4):335-9 (Eng. Abstr.) **(Pol)**

[Malignant thyroid neoplasms in children] Bożek J, et al. **Pediatr Pol** 1984 Nov;59(11):939-42 (Eng. Abstr.) **(Pol)**

THERAPY

Testicular carcinoma. A curable malignancy. Dahl O. **Acta Radiol [Oncol]** 1985 Jan-Feb;24(1):3-15 (138 ref.)

Non-seminomatous testicular germ cell tumours. Preliminary analysis of ongoing trials in the DATECA Study. Rørth M, et al. **Acta Radiol [Oncol]** 1984;23(4):295-304

Personal experience in the management of germinal testis tumors. Pizzocaro G. **Acta Urol Belg** 1985;53(2):377-93 **(Eng, Fre)**

The Danish Testicular Carcinoma Study. Results from recent clinical trials in non-seminomatous tumours. Schultz HP, et al. **Acta Urol Belg** 1985;53(2):362-76 **(Eng, Fre)**

Nonseminomatous germ cell testicular tumors. Review of the UCL experience. Van Cangh PJ, et al. **Acta Urol Belg** 1985;53(2):394-410 **(Eng, Fre)**

Management of germ cell tumors of the adult testis at the Memorial Sloan Kettering Cancer Center. Whitmore WF Jr, et al. **Acta Urol Belg** 1985;53(2):341-61 (73 ref.) **(Eng, Fre)**

Germ cell tumours in younger patients. Hudson CN, et al. **Aust NZ J Obstet Gynaecol** 1984 May;24(2):143-6 (22 ref.)

Testicular germ cell tumors. A review of 10 years' experience. Grover RK, et al. **Cancer** 1985 Sep 15;

EWARK PUBLIC LIBRAR

56(6):1251-6

Leukemia following treatment of germ cell tumors in men. Redman JR, et al. **J Clin Oncol** 1984 Oct;2(10):1080-7

Changing concepts in the management of clinical stage I nonseminomatous testicular cancer: significance of prognostic factors. Javadpour N. **J Urol** 1985 Aug; 134(2):427

Testicular germ cell tumours--a model for a new approach to treatment of adult solid tumours. Oliver RT. **Postgrad Med J** 1985 Feb;61(712):123-31

Management of germ cell and stromal tumors of the ovary. Slayton RE. **Semin Oncol** 1984 Sep;11(3):299-313 (100 ref.)

The Southwest Oncology Group Study for advanced testicular cancer. Crawford ED. **Semin Urol** 1984 Nov; 2(4):244-53

Nonoperative approach for the management of clinical stage A nonseminomatous germ cell tumors. Jewett MA. **Semin Urol** 1984 Nov;2(4):204-7

The management of germ cell tumors of the testis: an overview. Skinner DG. **Semin Urol** 1984 Nov;2(4):189-93

The results of the treatment of stage I and II nonseminomatous germinal testicular tumors. Akdaş A, et al. **Turk J Pediatr** 1984;26(1-4):291-6

[Factors related to the therapeutic responses of ovarian malignancies] Gu MJ. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):68-71, 125 (Eng. Abstr.) **(Chi)**

[Clinical management of testicular tumors] Kotake T, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2468-78 (Eng. Abstr.) **(Jpn)**

[A case of embryonal carcinoma successfully treated by chemotherapy and surgery] Kanda H, et al. **Kyobu Geka** 1984 Nov;37(12):938-42 (Eng. Abstr.) **(Jpn)**

[Primary mediastinal germ cell tumor: a report of four cases] Saitoh Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Feb;33(2):247-54 (Eng. Abstr.) **(Jpn)**

[Combined chemotherapeutic and surgical radical treatment of patients with nonseminomatous testicular tumors. I] Madej G. **Nowotwory** 1984 Jul-Sep;34(3):253-65 (Eng. Abstr.) **(Pol)**

[Combined chemical and radical surgical treatment of patients with testicular non-seminoma. II] Madej G. **Nowotwory** 1984 Oct-Dec;34(4):305-27 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Mixed tumor of the skin: a model of divergent differentiation. Mills SE. **J Cutan Pathol** 1984 Oct;11(5):382-6 (10 ref.)

VETERINARY

Immunocytochemical studies in canine neuroectodermal brain tumors. Vandevelde M, et al. **Acta Neuropathol (Berl)** 1985;66(2):111-6

Canine ovarian tumors of germ cell origin. Greenlee PG, et al. **Vet Pathol** 1985 Mar;22(2):117-22

NEOPLASMS, EXPERIMENTAL

see related

NEOPLASM TRANSPLANTATION
TUMOR VIRUS INFECTIONS

Joint meeting of the British Association for Cancer Research & the Royal Society of Medicine (Section of Oncology) (incorporating a symposium on 'Clonal evolution of tumours'). November 22-23, 1984. Abstracts. **Br J Cancer** 1985 Apr;51(4):581-602

Prevention and detection of cancer. 6th international symposium. Vienna, Austria. 26 to 29 November, 1984. Abstracts. **Cancer Detect Prev** 1984;7(5-6):397-563

ANALYSIS

Correlations between iron content and isoferritin profiles of normal and malignant tissues. Niitsu Y, et al. **Gann** 1984 Aug;75(8):699-702

Isolation of two forms of basement membrane proteoglycans. Hassell JR, et al. **J Biol Chem** 1985 Jul 5;260(13):8098-105

Identification of the precursor protein to basement membrane heparan sulfate proteoglycans. Ledbetter SR, et al. **J Biol Chem** 1985 Jul 5;260(13):8106-113

Sub-cellular distribution of copper and caeruloplasmin in chemically induced tumour tissue. Chakravarty PK, et al. **J Comp Pathol** 1984 Oct;94(4):607-9

Using tropomyosin polymorphic phenomenon for detection of differences between rat spontaneous tumor cells and their in vitro oncovirus supertransformats. Urbančíková M, et al. **Neoplasma** 1984;31(5):515-20

Detection of a cell proliferation-inhibiting factor in the cell-free ascitic fluid of intraperitoneal mouse tumors. Garcia-Olivares E, et al. **Oncology** 1985;42(1):55-60

Porphyrin localization and treatment of tumors. Proceedings of the Clayton Foundation International Symposium. Santa Barbara, California, April 24-28,1983. **Prog Clin Biol Res** 1984;170:1-884

High-resolution proton nuclear magnetic resonance analysis of metastatic cancer cells. Mountford CE, et al. **Science** 1984 Dec 21;226(4681):1415-8

Purification and characterization of platelet aggregating activity from tumor cells: copurification with procoagulant activity. Cavanaugh PG, et al. **Thromb Res** 1985 Jan 15; 37(2):309-26

[Tissue distribution of iso-metronidazole and metronidazole in tumor-bearing C3H inbred mice] Magdon E, et al. **Arch Geschwulstforsch** 1985;55(1):31-5 (Eng. Abstr.) **(Ger)**

BLOOD

Characterization of a 60,000-dalton oncofetal protein from the plasma of tumor-bearing rats. Hanausek-Walaszek M, et al. **Cancer Invest** 1984;2(6):433-41

Changes in plasma hormone profiles after tumor transplantation into syngeneic and allogeneic rats. Besedovsky HO, et al. **Int J Cancer** 1985 Aug 15; 36(2):209-16

Serum copper and caeruloplasmin activity in experimental malignancies. Chakravarty PK, et al. **J Comp Pathol** 1984 Oct;94(4):603-6

A study on serum cancer-suppressive peptide. Bai R, et al. **Sci Sin [B]** 1984 Nov;27(11):1162-70

[Serum DNA binding protein in mice with cancer] Tong TJ. **Chung Hua I Hsueh Tsa Chih** 1984 May;64(5):291-3 (Eng. Abstr.) **(Chi)**

[Hemolytic resistance of erythrocytes in the development of experimental tumors] Braginskaia FI, et al. **Eksp Onkol** 1984;6(5):56-9 (Eng. Abstr.) **(Rus)**

[Echinocyte count of the blood of rats during carcinogenesis induced by chemicals differing in their mechanism of action] Kozhevnikova EP, et al. **Patol Fiziol Eksp Ter** 1985 Jan-Feb;(1):54-6 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Age related changes in tumor vascularity. Angiography and vascular casts of the VX2 tumor in the rabbit hind leg. Lörelius LE, et al. **Acta Radiol [Diagn] (Stockh)** 1984; 25(6):529-33

Tumor blood flow and O2 availability during hemodilution. Jung C, et al. **Adv Exp Med Biol** 1984;180:281-91

Effect of hyperthermia on tumor blood flow. Müller-Klieser W, et al. **Biorheology** 1984;21(4):529-38

Vasoactive drugs and tumor blood flow. Peterson HI, et al. **Biorheology** 1984;21(4):503-8

Factors influencing the neovascularization of experimental tumours. Reinhold HS, et al. **Biorheology** 1984; 21(4):493-501 (67 ref.)

A perfused biological phantom and tumour model. Howard GC, et al. **Br J Cancer** 1985 Feb;51(2):279-81

Vascular volume and permeability of human and murine tumors grown in athymic mice. Sands H, et al. **Cancer Lett** 1985 May;27(1):15-21

Effect of 5-hydroxytryptamine on tissue blood flow and microwave heating of rat tumors. Shrivastav S, et al. **Cancer Res** 1985 Jul;45(7):3203-8

Identification of vascular system in experimental carcinoma for cryosurgery--histochemical observations of lectin UEA-1 and alkaline phosphatase activity in vascular endothelium. Ninomiya T, et al. **Cryobiology** 1985 Aug; 22(4):331-5

Selective drug-induced reduction of blood flow in tumor transplants. Knapp WH, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1357-66

Increase in tumor vascular area due to increased blood flow by angiotensin II in rats. Hori K, et al. **JNCI** 1985 Feb; 74(2):453-9

Unusual circulatory patterns in experimental neoplasms. Takács L, et al. **Naturwissenschaften** 1985 Jan;72(1):39-41

[Changes of the tumor vessels following intra-arterial infusion therapy using a combination of anti-cancer agents and dexamethasone] Maruhashi K. **Nippon Geka Hokan** 1984 Jan 1;53(1):193-212 (Eng. Abstr.) **(Jpn)**

[Experimental study of the need for the dearterialization of tumors] Chissov VI, et al. **Eksp Onkol** 1984;6(4):66-70 (Eng. Abstr.) **(Rus)**

[Local blood flow into tumors during artificial hyperglycemia] Osinskiĭ SP, et al. **Eksp Onkol** 1985; 7(3):51-3 (Eng. Abstr.) **(Rus)**

[Regulation of angiogenesis and tumor growth] Tseĭtlin DM. **Eksp Onkol** 1985;7(1):10-4 (53 ref.) (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

An evaluation of assay procedures for detection of tumor promotors. Sivak A. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 2:69-88 (62 ref.)

Animal studies and prediction of human tumors can be aided by graphical sorting of animal data: neoplastic risk from B(a)P, benzene, benzidine, and chromium. Jones TD, et al. **Am J Ind Med** 1985;7(3):185-217

Experimental studies on benzene carcinogenicity at the Bologna Institute of Oncology: current results and ongoing research. Maltoni C, et al. **Am J Ind Med** 1985; 7(5-6):415-46

Report of National Cancer Institute symposium: comparison of mechanisms of carcinogenesis by radiation and chemical agents. II. Cellular and animal models. Fry RJ. **Basic Life Sci** 1985;33:43-63

Quantitative predictivity of carcinogenicity for sister chromatid exchanges in vivo. Parodi S, et al. **Basic Life Sci** 1984;29 Pt A:409-29

Assessment of interaction between carcinogens in long-term factorially designed animal experiments. Machado SG, et al. **Biometrics** 1985 Jun;41(2):539-45

Nonparametric estimation of the survival function when cause of death is uncertain. Racine-Poon AH, et al. **Biometrics** 1984 Dec;40(4):1151-8

Efficiency of age-adjusted tests in animal carcinogenicity experiments. Ryan LM. **Biometrics** 1985 Jun;41(2):525-31

Multiple modulatory effects of butylated hydroxytoluene on tumorigenesis. Malkinson AM. **Cancer Invest** 1985; 3(2):209-11

Glucose consumption, newborn weight and nitrosomethylurea transplacental carcinogenesis in rats. Berstein LM, et al. **Cancer Lett** 1984 Dec;25(2):171-6

The carcinogenic effect of bis-(2-oxopropyl)-nitrosamine on Sprague-Dawley rats. Ketkar MB, et al. **Cancer Lett** 1984 Aug;24(1):73-9

The effect of deuterium substitution on carcinogenesis by azoxymethane. Lijinsky W, et al. **Cancer Lett** 1984 Oct; 24(3):273-80

Absence of carcinogenicity of 1-nitropyrene, correction of previous results, and new demonstration of carcinogenicity of 1,6-dinitropyrene in rats. Ohgaki H, et al. **Cancer Lett** 1985 Jan;25(3):239-45

A carcinogenicity study of styrene-7,8-oxide in rats. Ponomarkov V, et al. **Cancer Lett** 1984 Aug;24(1):95-101

Diaplacental carcinogenic effects of 5-azacytidine in NMRI-mice. Schmahl W, et al. **Cancer Lett** 1985 May; 27(1):81-90

The contribution of epidemiological and experimental data to the control of environmental carcinogens. Tomatis L. **Cancer Lett** 1985 Feb;26(1):5-16

Modification of N-methyl-N-nitrosourea initiated carcinogenesis in the rat by subsequent treatment with antioxidants, phenobarbital and ethinyl estradiol. Tsuda H, et al. **Cancer Lett** 1984 Aug;24(1):19-27

Effects of cimetidine, nitrite, cimetidine plus nitrite, and nitrosocimetidine on tumors in mice following transplacental plus chronic lifetime exposure. Anderson LM, et al. **Cancer Res** 1985 Aug;45(8):3561-6

Carcinogenicity in rats of the nitrosated bile acid conjugates N-nitrosoglycocholic acid and N-nitrosotaurocholic acid. Busby WF Jr, et al. **Cancer Res** 1985 Mar;45(3):1367-71

The tumorigenicity of 5-azacytidine in the male Fischer rat. Carr BI, et al. **Carcinogenesis** 1984 Dec;5(12):1583-90

A strain of hairless mouse susceptible to tumorigenesis by TPA alone: studies with 8-methoxypsoralen and solar simulated radiation. Gibbs NK, et al. **Carcinogenesis** 1985 May;6(5):797-9

Effects of calcium and magnesium salts on nickel subsulfide carcinogenicity in Fischer rats. Kasprzak KS, et al. **Carcinogenesis** 1985 Aug;6(8):1161-66

Similar carcinogenic effects in rats of 1-ethyl-1-nitroso-3-hydroxyethylurea and 1-hydroxyethyl-1-nitroso-3-ethylurea. Lijinsky W, et al. **Carcinogenesis** 1985 Apr;6(4):641-3

Effect of exogenous beta-glucuronidase on the carcinogenicity of 1,2-dimethylhydrazine in rats: evidence that carcinogenic intermediates form conjugates and act through their subsequent enzymatic release. Likhachev A, et al. **Carcinogenesis** 1985 May;6(5):679-81

The activities of 2,2',5,5'-tetrachlorobiphenyl, its 3,4-oxide metabolite, and 2,2',4,4'-tetrachlorobiphenyl in tumor induction and promotion assays. Preston BD, et al. **Carcinogenesis** 1985 Mar;6(3):451-3

Carcinogenic effect of N-nitrosobis (2-oxopropyl)amine in newborn rats. Rao MS, et al. **Carcinogenesis** 1985 Sep; 6(9):1395-7

Carcinogenicity of dichloroacetylene: an inhalation study. Reichert D, et al. **Carcinogenesis** 1984 Nov;5(11):1411-20

The effect of 3-methyl substitution on the carcinogenicity of nitroso-4-piperidone. Singer GM, et al. **Carcinogenesis** 1984 Oct;5(10):1351-3

Cell population kinetics and DNA content during thyroid carcinogenesis. Christov K. **Cell Tissue Kinet** 1985 Mar; 18(2):119-31

The effect of diethylhydroxylamine on the incidence of tumors induced by benzo(a)pyrene in the mouse. Heicklen J, et al. **Drug Chem Toxicol** 1984;7(4):315-27

Chronic toxicity and oncogenicity bioassay of inhaled ethyl acrylate in Fischer 344 rats and B6C3F1 mice. Miller RR, et al. **Drug Chem Toxicol** 1985;8(1-2):1-42

The sensitivity of rainbow trout and other fish to carcinogens. Bailey GS, et al. **Drug Metab Rev** 1984;15(4):725-50 (84 ref.)

Summary of carcinogenicity data generated by the National Cancer Institute/National Toxicology Program. Di Carlo FJ, et al. **Drug Metab Rev** 1984;15(5-6):1251-73

Absence of initiating activity by quercetin in the rat liver. Kato K, et al. **Ecotoxicol Environ Safety** 1985 Aug; 10(1):63-9

Lifetime toxicity of chloroform and bromodichloromethane when administered over a lifetime in rats. Tumasonis CF, et al. **Ecotoxicol Environ Safety** 1985 Apr;9(2):233-40

A carcinogenic potency database of the standardized results of animal bioassays. Gold LS, et al. **Environ Health Perspect** 1984 Dec;58:9-319

Statistical issues in the design, analysis and interpretation of animal carcinogenicity studies. Haseman JK. **Environ Health Perspect** 1984 Dec;58:385-92

Apparent correlation between structure and carcinogenicity of phenylenediamines and related compounds. Milman HA, et al. **Environ Health Perspect** 1984 Jun;56:261-73

The TD50: a proposed general convention for the numerical description of the carcinogenic potency of chemicals in chronic-exposure animal experiments. Peto R, et al. **Environ Health Perspect** 1984 Dec;58:1-8

Malathion and malaoxon: histopathology reexamination of the National Cancer Institute's carcinogenesis studies. Huff JE, et al. **Environ Res** 1985 Jun;37(1):154–73

Carcinogenicity and toxicity of malathion and malaoxon. Reuber MD. **Environ Res** 1985 Jun;37(1):119–53

Long-term inhalation study with benzo(a)pyrene and SO2 in Syrian golden hamsters. Pauluhn J, et al. **Exp Pathol** 1985;28(1):31

Chronic toxicity/carcinogenicity study of FD & C Blue No. 2 in rats. Borzelleca JF, et al. **Food Chem Toxicol** 1985 Jun;23(6):551–8

Carcinogenicity study of a commercial sodium oleate in Fischer rats. Hiasa Y, et al. **Food Chem Toxicol** 1985 Jun; 23(6):619–23

Tumorigenicity study of butyl and isobutyl p-hydroxybenzoates administered orally to mice. Inai K, et al. **Food Chem Toxicol** 1985 Jun;23(6):575–8

Some tautologous aspects of the comparison of carcinogenic potency in rats and mice. Bernstein L, et al. **Fundam Appl Toxicol** 1985 Feb;5(1):79–86

Issues in carcinogenicity testing: dose selection. Haseman JK. **Fundam Appl Toxicol** 1985 Feb;5(1):66–78 (39 ref.)

Carcinogenic evaluation of estazolam via diet in CD strain Sprague-Dawley rats and B6C3F1 mice for 2 years. Kimura ET, et al. **Fundam Appl Toxicol** 1984 Oct; 4(5):827–42

The importance of delivered dose in estimating low-dose cancer risk from inhalation exposure to formaldehyde. Starr TB, et al. **Fundam Appl Toxicol** 1984 Oct;4(5):740–53

Carcinogenicity testing of acetaminophen in F344 rats. Hiraga K, et al. **Gann** 1985 Feb;76(2):79–85

Modification of chemical carcinogenesis by antioxidants. Ito N, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:381–9

Comparative study on the carcinogenicity of N-nitroso-2,6-dimethylmorpholine in the European hamster. Althoff J, et al. **J Cancer Res Clin Oncol** 1985; 109(3):183–7

Influence of a prolonged treatment with disulfiram and D(–)penicillamine on nitrosodiethylamine-induced biological and biochemical effects in rats. I. Investigations on the drug metabolizing system. Bertram B, et al. **J Cancer Res Clin Oncol** 1985;109(1):9–15

Carcinogenesis by oxygenated nitrosomethylpropylamines in Syrian hamsters. Lijinsky W, et al. **J Cancer Res Clin Oncol** 1985;109(1):1–4

Organ-specific carcinogenicity of N-methyl-N-nitrosourea in F344 and ACI/N rats. Maekawa A, et al. **J Cancer Res Clin Oncol** 1985;109(3):178–82

Influence of a prolonged treatment with disulfiram and D-penicillamine on nitrosodiethylamine-induced biological and biochemical effects. II. Investigations on trace elements in the liver. Schuhmacher J, et al. **J Cancer Res Clin Oncol** 1985;109(1):16–22

Nitrite: a co-carcinogen? Schweinsberg F, et al. **J Cancer Res Clin Oncol** 1985;109(3):200–2

Experimental studies on mutagenic and carcinogenic effects of tobacco chewing. Shah AS, et al. **J Cancer Res Clin Oncol** 1985;109(3):203–7

No evidence of carcinogenicity for L-ascorbic acid (vitamin C) in rodents. Douglas JF, et al. **J Toxicol Environ Health** 1984;14(4):605–9

Effects of inhaled ammonium sulfate on benzo[a]pyrene carcinogenesis. Godleski JJ, et al. **J Toxicol Environ Health** 1984;14(2–3):225–38

Results from 86 two-year carcinogenicity studies conducted by the National Toxicology Program. Haseman JK, et al. **J Toxicol Environ Health** 1984;14(5–6):621–39

Subnormal expression of cell-mediated and humoral immune responses in progeny disposed toward a high incidence of tumors after in utero exposure to benzo[a]pyrene. Urso P, et al. **J Toxicol Environ Health** 1984;14(4):569–84

Lack of carcinogenicity of 8-nitroquinoline on long-term in vivo test in hamsters. Furukawa F, et al. **J Toxicol Sci** 1985 May;10(2):101–6

Comparative tumor-promoting activities of phenobarbital, amobarbital, barbital sodium, and barbituric acid on livers and other organs of male F344/NCr rats following initiation with N-nitrosodiethylamine. Diwan BA, et al. **JNCI** 1985 Feb;74(2):509–16

Induction of tumors with cycasin in newborn and preweanling rats. Fukunishi R, et al. **JNCI** 1985 Jun; 74(6):1275–81

Occurrence of tumors among litters of BALB/c female mice. Gaylor DW, et al. **JNCI** 1985 Apr;74(4):803–9

Carcinogenic effects of monofunctional and bifunctional furocoumarins. Mullen MP, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:205–10

Postnatal carcinogenic study of dimethylnitrosamine in rats. Sýkora I, et al. **Neoplasma** 1985;32(1):63–72

Malignant transformation of Bloom syndrome B-lymphoblastoid cell lines by carcinogens. Shiraishi Y, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5102–6

Evaluation of pesticides which pose carcinogenicity potential in animal testing. I. Developing a tumor data evaluation system. Wang GM. **Regul Toxicol Pharmacol** 1984 Dec; 4(4):355–60

Non-reversibility of vinyl chloride carcinogenesis in rodents. Bhandari JC. **Toxicol Pathol** 1983;11(2):181–7

Biologic criteria in rodent carcinogenesis testing [editorial] Koestner A. **Toxicol Pathol** 1984;12(3):209

Neoplasia induced in male rats fed lead acetate, ethyl urea, and sodium nitrite. Koller LD, et al. **Toxicol Pathol** 1985; 13(1):50–7

Carcinogenesis by N-nitrosohexamethyleneimine in NZO inbred mice. Goodall CM, et al. **Toxicology** 1984 Dec; 33(3–4):251–9

Spontaneous and urethan-induced tumor incidence in B6C3F1 versus B6CF1 mice. Dragani TA, et al. **Tumori** 1984 Dec 31;70(6):485–90

[Induction and transplantability of ferridextran tumors in inbred strains of Rattus norvegicus] Hrubý M, et al. **Sb Lek** 1985 May;87(5):114–20 (Eng. Abstr.) **(Cze)**

[Quantitative structure-activity relations applied to 2 classes of inhibitors of chemical carcinogenesis] Niculescu-Duvăz I, et al. **Physiologie** 1985 Apr–Jun;22(2):135–43 **(Fre)**

[Data on the tumor-inducing effect of N-methyl-N-nitrosourea] Csiba A. **Fogorv Sz** 1985 Jul; 78(7):202–6 (Eng. Abstr.) **(Hun)**

[Experimental multiple primary malignant tumors induced by chemical carcinogen] Ohta A. **Gan No Rinsho** 1984 Sep; 30(12 Suppl):1475–88 (Eng. Abstr.) **(Jpn)**

[Mutagenic and carcinogenic action of antimicrobial surface-active substances] Krivoshein IuS, et al. **Antibiotiki** 1984 Jul;29(7):519–27 (Eng. Abstr.) **(Rus)**

[Effect of polypeptide factors of the thymus, pineal gland, bone marrow and anterior hypothalamus on the realization of transplacental carcinogenesis] Bespalov VG, et al. **Eksp Onkol** 1984;6(5):27–30 (Eng. Abstr.) **(Rus)**

[Correlation of the mutagenic and carcinogenic activity of various aromatic amines] Pogodina ON, et al. **Eksp Onkol** 1984;6(4):23–5 (Eng. Abstr.) **(Rus)**

[Experimental models of 2-stage carcinogenesis] Turusov VS. **Eksp Onkol** 1985;7(3):5–12 (56 ref.) (Eng. Abstr.) **(Rus)**

[Effect of dose fractionation on the carcinogenicity of chemical substances] Turusov VS. **Eksp Onkol** 1984; 6(3):15–20 (44 ref.) (Eng. Abstr.) **(Rus)**

[Carcinogenic activity of dioxidine] Shashkina LF, et al. **Farmakol Toksikol** 1985 Jan–Feb;48(1):77–80 (Eng. Abstr.) **(Rus)**

[Current status of the problem of testing drugs for carcinogenicity] Shashkina LF, et al. **Farmakol Toksikol** 1985 May–Jun;48(3):107–13 (30 ref.) **(Rus)**

[Possible carcinogenic activity of the Soviet antimalarial dabequin in a chronic experiment in animals] Frol'tsova AE, et al. **Med Parazitol (Mosk)** 1984 Nov–Dec;(6):6–13 (Eng. Abstr.) **(Rus)**

[Effect of age on carcinogenesis in female rats induced by methyl (acetoxymethyl) nitrosamine] Anisimov VN, et al. **Vopr Onkol** 1985;31(6):68–73 (Eng. Abstr.) **(Rus)**

[Effect of selenium on transplacental carcinogenesis] Bespalov VG, et al. **Vopr Onkol** 1984;30(9):81–5 (Eng. Abstr.) **(Rus)**

[Effect of phenformin and succinic acid on the transplacental carcinogenic effect of N-nitroso-N-ethylurea in rats] Bespalov VG, et al. **Vopr Onkol** 1984;30(10):55–9 (Eng. Abstr.) **(Rus)**

[Modifying effect of thyroid gland functional disorders on realization of transplacental carcinogenesis induced by N-nitrosomethylurea in rats] Popovich IG, et al. **Vopr Onkol** 1985;31(8):79–85 (Eng. Abstr.) **(Rus)**

[Blastomogenic activity of biogenic methoxyindoles] Sergeeva TI, et al. **Vopr Onkol** 1985;31(8):73–8 (Eng. Abstr.) **(Rus)**

[Comparative quantitative assessment of a carcinogenic effect taking intercurrent mortality into account] Turusov VS, et al. **Vopr Onkol** 1985;31(2):84–94 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Tumour enhancement associated with induction of abscesses in mice bearing a transplantable solid tumour. Finlay-Jones J, et al. **Cancer Lett** 1984 Oct;24(3):311–6

Insulin reversal of cancer cachexia in rats. Moley JF, et al. **Cancer Res** 1985 Oct;45(10):4925–31

DIAGNOSIS

Measurement and meaning of relaxation times: specific and non-specific variations in cancer. de Certaines JD. **Ann Ist Super Sanita** 1983;19(1):107–20 (72 ref.)

Localization of an anti-CEA monoclonal antibody in colo-rectal carcinoma xenografts. Pimm MV, et al. **Cancer Immunol Immunother** 1985;19(1):8–17

NMR in cancer. I. High resolution spectroscopy of tumors. Sostman HD, et al. **Magn Reson Imaging** 1984;2(4):265–78 (95 ref.)

Localization of human tumor xenografts by 125I-labelled monoclonal and polyclonal antibodies to placental alkaline phosphatase. Jeppsson A, et al. **Prog Clin Biol Res** 1984; 166:257–64

[NMR tomography in the study of pathological processes in living organisms (in vivo)] Naidich VI, et al. **Dokl Akad Nauk SSSR** 1984;278(6):1482–4 **(Rus)**

DRUG THERAPY

Tumours from a cell strain with a high content of metallothionein show enhanced resistance against cis-dichlorodiammineplatinum. Endresen L, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Sep;55(3):183–7

Current NCI preclinical antitumor screening in vivo: results of tumor panel screening, 1976–1982, and future directions. Venditti JM, et al. **Adv Pharmacol Chemother** 1984;20:1–20 (43 ref.)

Physical and biological properties of cyclopolymers related to DIVEMA ('pyran copolymer'). Butler GB, et al. **Ann NY Acad Sci** 1985;446:149–59

Vinca-23-oyl amino acid derivatives: as new anticancer agents (review). Bhushana Rao KS, et al. **Anticancer Res** 1985 Jul–Aug;5(4):379–86 (22 ref.)

The antineoplastic activity of 4'-deoxydoxorubicin in murine solid tumors. Marmonti L, et al. **Anticancer Res** 1984 Nov–Dec;4(6):425–9

Optimum time sequence for the administration of cyclophosphamide and other drugs in vivo. Mattern J, et al. **Anticancer Res** 1985 Mar–Apr;5(2):173–8

Influence of some sulfhydryl compounds on the antineoplastic effectiveness of 5-fluorouracil and 6-mercaptopurine. Danysz A, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(3):345–9

Immunomodulation of antitumour response by drugs: is this related to their selective effect on suppressor T cells? Ben-Efraim S. **Asian Pac J Allergy Immunol** 1985 Jun; 3(1):4–6

Promoting effect of beer and ethanol on anti-tumour cytotoxicity: unaffected growth of a transplantable rat tumour. Autelitano DJ, et al. **Aust J Exp Biol Med Sci** 1984 Aug;62 (Pt 4):507–14

Therapeutic efficacy of asparaginase encapsulated in intact erythrocytes. Alpar HO, et al. **Biochem Pharmacol** 1985 Jan 15;34(2):257–61

PTT.119, p-F-Phe-m-bis-(2-chloroethyl)amino-L-Phe-Met ethoxy HCl, a new chemotherapeutic agent active against drug-resistant tumor cell lines. Yagi MJ, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2347–54

Limitations of the human tumour xenograft system in individual patient drug sensitivity testing. Bailey MJ, et al. **Br J Cancer** 1984 Nov;50(5):721–4

Chemopotentiation in vivo: no loss of sensitization with fractionation. Hill SA, et al. **Br J Cancer** 1984 Oct; 50(4):509–17

The subrenal capsule assay in mice. Prediction of rat tumor sensitivity to chemotherapy. Mäenpää J, et al. **Cancer** 1984 Oct 15;54(8):1530–4

Antitumor effects of gossypol on murine tumors. Rao PN, et al. **Cancer Chemother Pharmacol** 1985;15(1):20–5

Tallysomycin S10b: experimental antitumor activity and toxicity. Schurig JE, et al. **Cancer Chemother Pharmacol** 1984;13(3):164–70

Inhibition of growth and metastasis of syngeneic transplantable tumours by an aromatic retinoic acid analogue. 2. T cell dependence of retinoid effects in vivo. Eccles SA, et al. **Cancer Immunol Immunother** 1985; 19(2):115–20

Inhibition of growth and spontaneous metastasis of syngeneic transplantable tumors by an aromatic retinoic acid analogue. 1. Relationship between tumour immunogenicity and responsiveness. Eccles SA, et al. **Cancer Immunol Immunother** 1985;19(2):109–14

Amplification of the antitumor activity of phleomycins and bleomycins in rats and mice by caffeine. Allen TE, et al. **Cancer Res** 1985 Jun;45(6):2516–21

Experimental antitumor activity against murine tumor model systems of 8-carbamoyl-3-(2-chloroethyl)imidazo[5,1-d]-1,2,3,5-tetrH)-one (mitozolomide), a novel broad-spectrum agent. Hickman JA, et al. **Cancer Res** 1985 Jul;45(7):3008–13

Depletion of extracellular cysteine with hydroxocobalamin and ascorbate in experimental murine cancer chemotherapy. Pierson HF, et al. **Cancer Res** 1985 Oct; 45(10):4727–31

A new morphologically characterized cell wall preparation (whole peptidoglycan) from Bifidobacterium infantis with a higher efficacy on the regression of an established tumor in mice. Sekine K, et al. **Cancer Res** 1985 Mar;45(3):1300–7

Antitumor activity of lentinan in murine syngeneic and autochthonous hosts and its suppressive effect on 3-methylcholanthrene-induced carcinogenesis. Suga T, et al. **Cancer Res** 1984 Nov;44(11):5132–7

Immunotherapeutic potential in murine tumor models of polyinosinic-polycytidylic acid and poly-L-lysine solubilized by carboxymethylcellulose. Talmadge JE, et al. **Cancer Res** 1985 Mar;45(3):1066–72

Commentary on 'clinical predictivity of transplantable tumor systems in the selection of new drugs for solid tumors: rationale for a three-stage strategy. Martin DS, et al. **Cancer Treat Rep** 1984 Nov;68(11):1317–8

New folate analogs of the 10-deaza-aminopterin series: markedly increased antitumor activity of the 10-ethyl analog compared to the parent compound and methotrexate against some human tumor xenografts in nude mice. Schmid FA, et al. **Cancer Treat Rep** 1985 May;69(5):551–3

Krestin (PSK). Tsukagoshi S, et al. **Cancer Treat Rev** 1984 Jun;11(2):131–55 (132 ref.)

Effect of levan on tumorigenicity of cells from different murine tumors. Stark Y, et al. **Cell Mol Biol** 1984; 30(5):425–30

On the synthesis, cytostatic and antitumor properties of new Pt(II) and Pt(IV) complexes with chloroanilines. Craciunescu DG, et al. **Chem Biol Interact** 1985 Feb–Apr; 53(1–2):45–56

Treatment of the rabbit V-2 carcinoma with intralesional cisplatin. Wright KC. et al. **Chemotherapy** 1985;31(1):60–7

Do we need new chemosensitive experimental models? Atassi G. **Eur J Cancer Clin Oncol** 1984 Oct;20(10):1217–20

EWARK PUBLIC LIBRAR

Improvements and limitations of the subrenal capsule assay for determining tumour sensitivity to cytostatic drugs. Edelstein MB, et al. **Eur J Cancer Clin Oncol** 1984 Dec; 20(12):1549-56

Further evaluation of binolane and analogs as potential antitumor agents. Ren YF, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):493-7

Antitumor activity and toxicity of methyl 6-[3-(2-chloroethyl)-3-nitrosoureido]-6-deoxy-alpha-D-glucopyranoside in experimental animals. Fujimoto S, et al. **Gann** 1984 Oct; 75(10):937-46

Enhancement of melphalan cytotoxicity in vivo and in vitro by inhibitors of poly (ADP-ribose) polymerase. Brown DM, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1665-8

Potentiation of cyclophosphamide cytotoxicity in vivo: a study with misonidazole and fifteen other 1-substituted 2-nitroimidazoles. Chaplin DJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1647-51

The effect of timing on chemosensitization by clinical levels of SR-2508. Hirst DG, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1641-5

Modification of alkylating agent cytotoxicity by cisplatin. Horsman MR, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1669-73

The effect of the drug lonidamine on Chinese hamster ovary cells in vitro and on experimental tumors. Rotin D, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1595-8

Enhancement of antitumor effect of cytotoxic agents by bestatin. Abe F, et al. **J Antibiot (Tokyo)** 1985 Mar; 38(3):411-4

Antitumor activity and pharmacokinetics of 7-N-(p-hydroxyphenyl)mitomycin C in human tumor xenografts transplanted into nude mice. Asanuma F. **J Antibiot (Tokyo)** 1985 Mar;38(3):401-10

Activity of rapamycin (AY-22,989) against transplanted tumors. Eng CP, et al. **J Antibiot (Tokyo)** 1984 Oct; 37(10):1231-7

Studies of an immunomodulator, swainsonine. II. Effect of swainsonine on mouse immunodeficient system and experimental murine tumor. Kino T, et al. **J Antibiot (Tokyo)** 1985 Jul;38(7):936-40

Antitumor activity of a new antibiotic, kazusamycin. Komiyama K, et al. **J Antibiot (Tokyo)** 1985 Feb; 38(2):224-9

Studies on antineoplastic activity of naphthomycin, a naphthalenic ansamycin, and its mode of action. Okabe T, et al. **J Antibiot (Tokyo)** 1985 Feb;38(2):230-5

Activity of safracins A and B, heterocyclic quinone antibiotics, on experimental tumors in mice. Okumoto T, et al. **J Antibiot (Tokyo)** 1985 Jun;38(6):767-71

Biological activity of cadeguomycin. Inhibition of tumor growth and metastasis, immunostimulation, and potentiation of 1-beta-D-arabinofuranosylcytosine. Yuan BD, et al. **J Antibiot (Tokyo)** 1985 May;38(5):642-8

Inhibition of tumor growth and metastasis in association with modification of immune response by novel organic germanium compounds. Sato I, et al. **J Biol Response Mod** 1985 Apr;4(2):159-68

Synthesis and antimetastatic properties of stereoisomeric tricyclic bis(dioxopiperazines) in the Lewis lung carcinoma model. Witiak DT, et al. **J Med Chem** 1985 Sep; 28(9):1228-34

Subrenal capsule assay to test the viability of parenterally delivered müllerian inhibiting substance. Donahoe PK, et al. **J Pediatr Surg** 1984 Dec;19(6):863-9

Antitumor activity of a polysaccharide fraction extracted from cultured fruiting bodies of Grifola frondosa. Suzuki I, et al. **J Pharmacobiodyn** 1984 Jul;7(7):492-500

Effect of a monoclonal anti-carcinoembryonic antigen antibody-ricin A-chain conjugate on human carcinoembryonic antigen-producing tumor cells. Watanabe Y, et al. **J Pharmacobiodyn** 1984 Aug; 7(8):593-603

Effect of a high-protein-low-carbohydrate diet on toxicity and antitumor activity of 5-fluorouracil in mice. Flanigen-Roat DT, et al. **JNCI** 1985 Mar;74(3):705-10

Antitumor activity of the DNA fraction from Mycobacterium bovis BCG. II. Effects on various syngeneic mouse tumors. Shimada S, et al. **JNCI** 1985 Mar; 74(3):681-8

Antitumor activity of a new fluoropyrimidine derivative, 5'-deoxy-5-fluorouridine, against murine and human experimental tumors. Fujimoto S, et al. **Jpn J Cancer Res** 1985 Jul;76(7):644-50

Combination therapy of murine tumors with a degraded D-manno-D-glucan (DMG) from Microellobosporia grisea, and cyclophosphamide. Nakajima H, et al. **Jpn J Exp Med** 1983 Dec;53(6):263-9

Antitumor activity of Klebsiella 03 lipopolysaccharide in mice. Miyamoto K, et al. **Jpn J Pharmacol** 1984 Sep; 36(1):51-7

Antitumor effect of lipiodolized doxorubicin on VX2 carcinoma in rabbits. Furuta T, et al. **Jpn J Surg** 1985 Jan; 15(1):89-91

Purine analogs and related nucleosides and nucleotides as antitumor agents. Robins RK, et al. **Med Res Rev** 1985 Jul-Sep;5(3):273-96 (117 ref.)

Chemotherapy of tumours after synchronisation by induced hyperglycemia. Osinski SP, et al. **Naturwissenschaften** 1985 Jan;72(1):41-2

The antitumor activity of oxoplatinum. Presnov MA, et al. **Neoplasma** 1985;32(1):73-83

Enhanced cell mediated immunity in mice after cisplatin treatment. Bahadur A, et al. **Pol J Pharmacol Pharm** 1984 Sep-Oct;36(5):441-8

Effect of (E)-5-(2-bromovinyl)-2'-deoxyuridine on the growth and viral capsid antigen expression of Epstein-Barr virus-associated tumor (B-95-8) cells transplanted to nude mice. Zhang ZX, et al. **Proc Soc Exp Biol Med** 1985 Apr; 178(4):616-22

Photoradiation therapy of Lewis lung tumors in mice with low optical dose rat and high HpD-dose. Ellingsen R, et al. **Prog Clin Biol Res** 1984;170:647-55

Studies on the mechanism of tumor destruction by photoradiation therapy. Henderson BW, et al. **Prog Clin Biol Res** 1984;170:601-12

Liposomes as drug carriers in cancer therapy: hyperthermia and pH sensitivity as modalities for targeting. Yatvin MB, et al. **Strahlentherapie** 1984 Dec;160(12):732-40 (65 ref.)

Antitumor effect of the organogermanium compound Ge-132 on the Lewis lung carcinoma (3LL) in C57BL/6 (B6) mice. Kumano N, et al. **Tohoku J Exp Med** 1985 May; 146(1):97-104

Efficacy and biocompatibility of a novel anti-cancer fiber in hemoperfusion on cancer-bearing rabbits. Tani T, et al. **Trans Am Soc Artif Intern Organs** 1984;30:308-12

[An experimental study on intralymphatic anti cancer chemotherapy] Ueno Y. **Bull Chest Dis Res Inst Kyoto Univ** 1984 Mar;17(1-2):50-63 (Eng. Abstr.) **(Jpn)**

[590-S] Furue H. **Gan No Rinsho** 1985 May;31(6 Suppl):739-45 (Eng. Abstr.) **(Jpn)**

[Two-route chemotherapy using a combination of anticancer agents and antidotes] Iwamoto Y, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):766-72 (Eng. Abstr.) **(Jpn)**

[Anti cancer effect of antibiotic-AFP-purified antibody conjugates] Tsukada Y, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 2):2653-8 (Eng. Abstr.) **(Jpn)**

[Immunological analysis of chemotherapeutic effects for the effective immunochemotherapy against cancer] Yamada Y. **Hokkaido Igaku Zasshi** 1984 Nov;59(6):721-7 (Eng. Abstr.) **(Jpn)**

[Low-molecular-weight immunocorrectors of natural origin] Ivanitskaia LP, et al. **Antibiot Med Biotekhnol** 1985 Feb; 30(2):131-8 (34 ref.) **(Rus)**

[Experimental study of the antimetastatic activity of thaliblastin] Mircheva I. **Eksp Onkol** 1984;6(2):48-9 (Eng. Abstr.) **(Rus)**

[Influence of interferon on the toxic effect and antitumor activity of vinblastine in the combined therapy of metastatic Lewis carcinoma] Vorontsova AL, et al. **Eksp Onkol** 1984; 6(6):54-7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Characterization of mammalian phosphoribosylglycineamide formyltransferase from transformed cells. Daubner SC, et al. **Cancer Res** 1985 Oct;45(10):4990-7

Cathepsin B-like activity in viable tumor cells isolated from rodent tumors. Ryan RE, et al. **Cancer Res** 1985 Aug; 45(8):3636-41

Alterations in the distribution and activity of transglutaminase during tumour growth and metastasis. Barnes RN, et al. **Carcinogenesis** 1985 Mar;6(3):459-63

Glutathione S-transferases in chemically induced tumors. Kraus P, et al. **Toxicol Pathol** 1984;12(4):344-9

[Immunohistochemical localization of cathepsin B in the rabbit's mesenterium following intraperitoneal implantation of V2 carcinoma cells] Graf FM, et al. **Acta Histochem [Suppl] (Jena)** 1985;31:263-7 **(Ger)**

[Differing microsomal monoxygenase activity in the cells of ascitic and solid forms of transplantable tumors] Kiseleva MG, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):232-4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Neoplasms arising in CBA mice after transfer of spleen cells from syngeneic old donors. Wallis VJ, et al. **Immunology** 1984 Dec;53(4):769-77

Oncogenic transformation with radiation and chemicals. Hall EJ, et al. **Int J Radiat Biol** 1985 Jul;48(1):1-18 (36 ref.)

Tumorigenicity of Vero cells. Levenbook IS, et al. **J Biol Stand** 1984 Oct;12(4):391-8

Inverse correlation between tumor incidence and tissue histamine levels in W/WV, WV/+, and +/+ mice. Burtin C, et al. **JNCI** 1985 Mar;74(3):671-4

Spontaneous tumor incidence in female brown Norway rats after lifelong diets high and low in linoleic acid. Kort WJ, et al. **JNCI** 1985 Feb;74(2):529-36

[Demonstration of Epstein-Barr virus (EBV)-related antigens and tumorigenicity in nude mice in a hybrid cell line derived from the fusion of an EBV-positive lymphoblastoid cell and an EBV-negative epithelial cell from the human nasopharynx] Ishiguro H. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):693-707 (Eng. Abstr.) **(Jpn)**

[Tumors in athymic mice induced by DNA from transformed human cells] Topol' LZ, et al. **Dokl Akad Nauk SSSR** 1985; 280(5):1261-3 **(Rus)**

[Effect of Bac. megaterium H on tumor induction by methylcholanthrene] Zatula DG, et al. **Eksp Onkol** 1985; 7(1):36-8 (Eng. Abstr.) **(Rus)**

[Effect of age on the kinetics of the development of spontaneous and transplantable tumors and on chemotherapy effectiveness] Sadovnikova IP, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jul-Aug;(4):543-50 (Eng. Abstr.) **(Rus)**

[Double-mutation hypothesis of carcinogenesis] Strunnikov VA, et al. **Tsitol Genet** 1984 Sep-Oct;18(5):380-91 (52 ref.) (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Characterization of functional domains of p21 ras by use of chimeric genes. Schejter ED, et al. **EMBO J** 1985 Feb; 4(2):407-12

Pleiotropic drug resistance and gene amplification in a SEWA mouse tumor cell line. Complex relations revealed by drug uptake data, and lipid and protein analysis. Martinsson T, et al. **Exp Cell Res** 1985 Jun;158(2):382-94

Chromosomal assignment of two murine genes controlling susceptibility to spleen focus formation by Rauscher leukemia virus. Heller E, et al. **Exp Hematol** 1984 Sep; 12(8):645-9

The majority of independently transformed BHK cell clones share a single functional lesion which determines anchorage independence and influences tumorigenicity. Bouck N, et al. **In Vitro Cell Dev Biol** 1985 Aug;21(8):463-9

Non-random chromosome changes in a herpes-virus-transformed Syrian hamster cell line and its metastatic derivatives. Pratt NR, et al. **Int J Cancer** 1984 Dec 15;34(6):849-53

Nonrandom loss of chromosome 15 in Syrian hamster tumours induced by v-Ha-ras plus v-myc oncogenes. Oshimura M, et al. **Nature** 1985 Aug 15-21;316(6029):636-9

Extreme instability of myc mRNA in normal and transformed human cells. Dani C, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7046-50

Activation of c-ras oncogenes is associated with tumor induction in experimental animals. Guerrero I, et al. **Prog Med Virol** 1985;32:72-85

Tumor-prone mice--and myc [news] Marx JL. **Science** 1984 Nov 16;226(4676):823

Cottontail rabbit papillomavirus-specific transcripts in transplantable tumors with integrated DNA. Nasseri M, et al. **Virology** 1984 Oct 30;138(2):362-7

[Electric charge of tumor cells of different karyological structure] Slivinskiĭ GG, et al. **Eksp Onkol** 1984;6(3):61-3 (Eng. Abstr.) **(Rus)**

[Enhanced transcription of genes of the intracisternal A particles and B2 elements in mouse tumors] Grigorian MS, et al. **Mol Biol (Mosk)** 1985 Mar-Apr;19(2):340-8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Contrasuppression: the second law of thymodynamics, revisited. Green DR, et al. **Adv Cancer Res** 1984;42:277-335 (188 ref.)

The cell biology of tumor cell capture by activated macrophages. Adams DO, et al. **Adv Exp Med Biol** 1985; 184:65-74 (20 ref.)

The plasma membrane 'skeleton' of tumor and lymphoid cells: a role in cell lysis? Mescher MF, et al. **Adv Exp Med Biol** 1985;184:387-400 (28 ref.)

Mast cells and tumors. The specific enhancement of tumor proliferation in vitro. Roche WR. **Am J Pathol** 1985 Apr; 119(1):57-64

Enhanced immune response in 'R' inbred rats by chemical and/or bacterial immunostimulation. II. Stimulation of cell-mediated immune response after administration of Aerodin and Bronhodin associated or not with levamisole. Popescu C, et al. **Arch Roum Pathol Exp Microbiol** 1985 Jan-Mar;44(1):55-61

Immunosubversive role of PGE2 in tumor bearing mice. Ippoliti F, et al. **Boll Ist Sieroter Milan** 1985;64(1):25-34

'Concomitant immunity' in murine tumours of non-detectable immunogenicity. Ruggiero RA, et al. **Br J Cancer** 1985 Jan;51(1):37-48

Suppression of generation of concomitant antitumor immunity by passively transferred suppressor T cells from tumor-bearing donors. Bursuker I, et al. **Cancer Immunol Immunother** 1985;19(3):215-8

Evaluation of in vivo and in vitro effectivity of immune defense against a spontaneously arising, nonlymphoid rat tumor. I. Analysis of natural immune defense. Zöller M. **Cancer Immunol Immunother** 1985;19(3):183-8

Evaluation of in vivo and in vitro effectivity of immune defense against a spontaneously arising, nonlymphoid rat tumor. II. T cell response after induction of immunogenicity. Zöller M. **Cancer Immunol Immunother** 1985;19(3):189-97

Effects of mutagens on the immunogenicity of murine tumor cells: immunological and biochemical evidence for altered cell surface antigens. Altevogt P, et al. **Cancer Res** 1985 Sep;45(9):4270-7

Nonselective destruction of murine neoplastic cells by syngeneic tumoricidal macrophages. Fogler WE, et al. **Cancer Res** 1985 Jan;45(1):14-8

Characterization of effector cells mediating antitumor activity in spleen cells of tumor-bearing mice. Fuyama S, et al. **Cancer Res** 1985 Sep;45(9):4103-8

Suppressor macrophages in tumor-bearing mice and their selective inhibition by 6-mercaptopurine. Kataoka T, et al. **Cancer Res** 1985 May;45(5):2139–44

Murine tumor cell lysis by antibody-dependent macrophage-mediated cytotoxicity using syngeneic monoclonal antibodies. Kawase I, et al. **Cancer Res** 1985 Apr;45(4):1663–8

Some characteristics of the cyclophosphamide-induced immunopotentiating cells in the spleen of mice bearing a large MOPC-315 tumor. Mokyr MB, et al. **Cancer Res** 1985 Oct;45(10):4932–9

Segregation of the NK-sensitive phenotype in human x mouse somatic cell hybrids reveals separate genetic control of recognition and postrecognition determinants. Lauzon RJ, et al. **Cell Immunol** 1985 Aug;94(1):85–99

Functional analysis of macrophage hybridomas. III. Inhibition of lymphocyte blastogenesis and tumor proliferation. Liu YN, et al. **Cell Immunol** 1985 Aug; 94(1):49–59

Growth of tumor cells with different sensitivities for murine natural killer cells in young and adult athymic nude mice. Romijn JC. **Exp Cell Biol** 1985;53(1):24–31

Cytotoxic lymphocytes in rat tumor in situ: effect of intraperitoneal injections of Propionibacterium avidum. Hojo H, et al. **Gann** 1985 Jan;76(1):53–60

Drug-induced tolerance to allografts in mice II. Tolerance to tumor allografts of large doses associated with rejection of skin allografts and tumor allografts of small doses. Mayumi H, et al. **Immunobiology** 1985 Mar;169(2):147–61

A radio (111In) capillary tube leukocyte adherence inhibition assay for the detection of specific tumor-associated immunity. Peng R, et al. **Immunol Commun** 1984; 13(4):293–303

Strain dependence of rat macrophage natural tumoricidal capacity and its stimulation by endotoxins. Lagadec P, et al. **Immunol Lett** 1985;9(2–3):117–22

Induced type-B reticulum cell neoplasia of CBA mice. I. Phenotypic similarities between tumorigenic reticulum cells and normal accessory cells. Brittle MP, et al. **Immunology** 1985 Mar;54(3):541–8

In vitro generated mast cells express natural cytotoxicity against tumour cells. Ghiara P, et al. **Immunology** 1985 Jun; 55(2):317–24

Effect of oral administration of different combinations of killed bacteria on some depressed macrophage functions in tumor-bearing rats. Iannello D, et al. **Immunopharmacology** 1985 Jun;9(3):181–7

The inhibitory effect of phenothiazines on NK-mediated cytolysis of tumor cells. Laing LP, et al. **Immunopharmacology** 1984 Aug;8(1):1–12

Adoptive immune therapy in mice bearing poorly immunogenic metastases, using T lymphocytes stimulated in vitro against highly immunogenic mutant sublines. Dennis JW, et al. **Int J Cancer** 1984 Nov 15;34(5):709–16

Spontaneous and induced primary oncogenesis in natural killer (NK)-cell-deficient beige mutant mice. Haliotis T, et al. **Int J Cancer** 1985 Apr 15;35(4):505–13

In vitro and in vivo antitumor activity of lymphokine-induced cytotoxic cells. Ting CC, et al. **Int J Cancer** 1985 Jul 15;36(1):117–23

Cyclophosphamide-mediated enhancement of antitumor immune potential of immunosuppressed spleen cells from mice bearing a large MOPC-315 tumor. Mokyr MB, et al. **Int J Immunopharmacol** 1985;7(1):111–22

Studies on the mechanism of macrophage-mediated tumor cell lysis induced by Mycoplasma orale. Loewenstein J, et al. **Isr J Med Sci** 1984 Sep;20(9):895–7

Suppression by tumor growth of T cell growth factor production in mouse lymphoid cell cultures. Kedar E, et al. **J Biol Response Mod** 1984 Oct;3(5):547–60

In vitro cytotoxicity and transplantation protection by autologous natural and activated killer cells against an in vitro transformed tumorigenic fibroblast line. A case study. Wilhelm SA, et al. **J Clin Invest** 1985 Apr;75(4):1162–8

Natural cytostatic cells have a broader range of antitumor activity than natural killer cells. Kato M, et al. **J Clin Lab Immunol** 1985 Jan;16(1):47–51

Suppression of in vivo tumor formation induced by simian virus 40-transformed cells in mice receiving antiidiotypic antibodies. Kennedy RC, et al. **J Exp Med** 1985 Jun 1; 161(6):1432–49

Evidence for the involvement of cytolytic macrophages in rejection of SV40-induced tumors. Chapes SK, et al. **J Immunol** 1985 Sep;135(3):2192–8

Macrophage T lymphocyte interactions in the anti-tumor immune response: a mathematical model. De Boer RJ, et al. **J Immunol** 1985 Apr;134(4):2748–58

The mechanism of tumor growth inhibition by tumor-specific Lyt-1+2-T cells. I. Antitumor effect of Lyt-1+2-T cells depends on the existence of adherent cells. Fujiwara H, et al. **J Immunol** 1985 Sep;135(3):2187–91

Neural and environmental influences on neoplasia and conditioning of NK activity. Ghanta VK, et al. **J Immunol** 1985 Aug;135(2 Suppl):848s–852s

Clearance of IgE from serum of normal and hybridoma-bearing mice. Haba S, et al. **J Immunol** 1985 May;134(5):3291–7

Binding of calmodulin to the microfilament network correlates with induction of a macrophage tumoricidal response. Mecham JO, et al. **J Immunol** 1985 May; 134(5):3516–23

Studies on macrophage-activating factor (MAF) in antitumor immune responses. I. Tumor-specific Lyt-1+2- T cells are required for producing MAF able to generate cytolytic as well as cytostatic macrophages. Nakajima H, et al. **J Immunol** 1985 Sep;135(3):2199–205

Isolation and characterization of a tumor-specific T suppressor factor fr[illegible] cell hybridoma. Steele JK, et al. **J Immunol** 1985 Apr;134(4):2767–78

Use of a self-generating percoll gradient and single cell cytotoxicity assay to identify tumor-lytic properties of inflammatory neutrophils. Lichtenstein A, et al. **J Immunol Methods** 1985 Jul 16;81(1):95–106

Differential expression of macrophage effector functions: bactericidal versus tumoricidal activities. Campbell PA, et al. **J Leukocyte Biol** 1984 Sep;36(3):293–306

Natural antitumor defense system of the murine liver. Cohen SA, et al. **J Leukocyte Biol** 1985 May;37(5):559–69

Recombinant inbred mouse strains derived from A/J and C57BL/6J: a tool for the study of genetic mechanisms in host resistance to infection and malignancy. Nesbitt MN, et al. **J Leukocyte Biol** 1984 Sep;36(3):357–64

Reactivity of anti-asialo GM1 serum with tumoricidal and non-tumoricidal mouse macrophages. Wiltrout RH, et al. **J Leukocyte Biol** 1985 May;37(5):597–614

In vitro cytolysis of MM46 tumor cells by mouse phagocytes activated by acidic mannan fraction of bakers' yeast. Hashimoto K, et al. **J Pharmacobiodyn** 1984 Jul;7(7):472–8

Cytolytic effect of macrophages and polymorphonuclear leukocytes treated with acidic fraction of bakers' yeast mannan against MM46 tumor cells in vitro. Sakai K, et al. **J Pharmacobiodyn** 1984 Dec;7(12):943–50

Activation of tumoricidal properties in macrophages by lymphokines encapsulated in liposomes. Fidler IJ, et al. **Lymphokine Res** 1982;1(3):73–7

Regulatory role of macrophages in tumor allograft development. Vidrnová M, et al. **Neoplasma** 1985;32(1):3–8

Effects on syngeneic tumors of F1 lymphocytes sensitized in vitro by parental stimulator cells. Havelaar IJ, et al. **Oncology** 1985;42(3):179–86

Identification of a unique tumor-specific antigen as a novel class I major histocompatibility molecule. Philipps C, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5140–4

Reversal of oncogenesis by the expression of a major histocompatibility complex class I gene. Tanaka K, et al. **Science** 1985 Apr 5;228(4695):26–30

Role of natural killer cells against tumor growth in nude mice––a brief review. Habu S, et al. **Tokai J Exp Clin Med** 1983 Dec;8(5–6):465–8

Immunological reconstitution of nude mice transplanted with human malignant tumours. Jacobsen GK, et al. **Tokai J Exp Clin Med** 1983 Dec;8(5–6):513–27

Genetic control of in vitro NK-activity and in vivo resistance to tumors. Kärre K, et al. **Tokai J Exp Clin Med** 1983 Dec;8(5–6):429–48

Foot pad reaction against syngeneic tumor cells. Nakamura J, et al. **Tokushima J Exp Med** 1984 Jun;31(1–2):21–8

Ly-1+2- suppressor T cells inhibit the expression of passively transferred antitumor immunity by suppressing the generation of cytolytic T cells. Mills CD, et al. **Transplantation** 1985 Feb;39(2):202–8

[Observation of the lymphocyte electrophoretic mobility (LEM) test in tumor-bearing mice] Ruan MR. **Chung Hua Chung Liu Tsa Chih** 1984 Sep;6(5):322–5 (Eng. Abstr.) **(Chi)**

[The augmentation of tumor-specific immunity by T-T cell interaction] Fujiwara H, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):734–40 (Eng. Abstr.) **(Jpn)**

[Low molecular weight immunomodulators produced by microorganisms] Ishizuka M. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 2):2709–14 (Eng. Abstr.) **(Jpn)**

[Antitumor activities in the aspects of evolution and development] Muramatsu S. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):720–5 (Eng. Abstr.) **(Jpn)**

[Preparation of repeatedly and effectively usable L-asparaginase by a chemical modification] Nishimura H, et al. **Gan To Kagaku Ryoho** 1984 Oct;11(10):2227–35 (Eng. Abstr.) **(Jpn)**

[Tumor-regressive potency of soluble factors released from tumor-immune cells] Sasaki J, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2557–62 (Eng. Abstr.) **(Jpn)**

[Experimental studies and clinical investigations on natural killer (NK) activity––NK activity in tumor bearing nude mice and in patients with cancer of digestive organs] Maenohara S. **Igaku Kenkyu** 1984 Apr;54(3):301–16 (Eng. Abstr.) **(Jpn)**

[Action of phospholipids and gangliosides on tumor cell sensitivity to the cytostatic and membrane-toxic action of splenic effectors] Bogdashin IV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):237–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the NK cells in Syrian hamsters carrying tumors with varying metastatic and resistance-suppressing activity] Kliuchareva TE, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):732–4 (Eng. Abstr.) **(Rus)**

[Effect of synthetic polymers on the formation of carcinogen-protein antigens in the early stages of carcinogenesis] Korosteleva TA, et al. **Eksp Onkol** 1985; 7(1):68–70 (Eng. Abstr.) **(Rus)**

[Corynebacteria––stimulators of antitumor resistance] Zatula DG, et al. **Eksp Onkol** 1984;6(6):12–8 (62 ref.) (Eng. Abstr.) **(Rus)**

[Role of the cellular inoculation dose in the development of the inhibitory effect of transplantable tumors on metastasis] Arkhipov SA, et al. **Vopr Onkol** 1985; 31(3):77–83 (Eng. Abstr.) **(Rus)**

[Effect of the splenic cells of tumor-bearing mice on the allograft immune response] Spasokukotskiĭ AL. **Vopr Onkol** 1985;31(7):87–91 (Eng. Abstr.) **(Rus)**

METABOLISM

Oxygen consumption and oxygen diffusion properties of multicellular spheroids from two different cell lines. Mueller-Klieser WF, et al. **Adv Exp Med Biol** 1984; 180:311–21

In vitro electron microprobe of carcinogenic nickel compound interaction with tumor cells. Berry JP, et al. **Ann Clin Lab Sci** 1985 Mar–Apr;15(2):109–20

Proteinases and proteinase inhibition by cytotoxic and antimetastatic drugs in transplantable solid metastasizing tumors in mice. Giraldi T, et al. **Anticancer Res** 1985 Jul–Aug;5(4):355–9

Pyruvate-dependent oxidative phosphorylation in erythroid and myeloid tumor mitochondria. Abou-Khalil S, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):792–6

Glucose metabolism in insulin-producing tumoral cells. Giroix MH, et al. **Arch Biochem Biophys** 1985 Sep; 241(2):561–70

Nicotinamide methylation. Tissue distribution, developmental and neoplastic changes. Seifert R, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):259–64

The effect of systemic hyperthermia on melphalan pharmacokinetics in mice. Honess DJ, et al. **Br J Cancer** 1985 Jan;51(1):77–84

Binding of misonidazole to hypoxic cells in monolayer and spheroid culture: evidence that a side-chain label is bound as efficiently as a ring label. Raleigh JA, et al. **Br J Cancer** 1985 Feb;51(2):229–35

Endocytosis of nerve growth factor by 'differentiated' PC12 cells studied by quantitative ultrastructural autoradiography. Stieber A, et al. **Brain Res** 1984 Sep 24; 310(2):223–34

Regional measurements of [14C]misonidazole distribution and blood flow in subcutaneous RT-9 experimental tumors. Blasberg R, et al. **Cancer Res** 1985 Apr;45(4):1692–701

Metabolic fate of liposomal phosphatidylinositol in murine tumor cells: implications for the mechanism of tumor cell cytotoxicity. Jett M, et al. **Cancer Res** 1985 Oct; 45(10):4810–5

Induction of heat shock protein synthesis in murine tumors during the development of thermotolerance. Li GC, et al. **Cancer Res** 1985 Aug;45(8):3816–24

Increased synthesis of acid-soluble nuclear material in spleens of tumor-bearing BALB/c mice. Mashburn LT. **Cancer Res** 1985 May;45(5):2264–9

Tumor and liver uptake models of 67Ga-citrate. Ando A, et al. **Eur J Nucl Med** 1985;10(5–6):262–8

Binding of lectins to goblet cell mucin in malignant and premalignant colonic epithelium in the CF-1 mouse. Boland CR, et al. **Gastroenterology** 1985 Jul;89(1):127–37

Anti-tumour cytotoxin from macrophages: no correlation between cytotoxin adsorption by tumour cell lines and their cytotoxin susceptibility. Matthews N. **Immunology** 1984 Nov;53(3):537–43

Elevated overall rates of transmethylation in cell lines from diverse human tumors. Stern PH, et al. **In Vitro** 1984 Aug; 20(8):663–70

Tumor uptake of radiolabelled pyrimidine bases and pyrimidine nucleosides in animal models––VIII. Synthesis and tissue distribution of N-[2-(hydroxyethoxy) methyl]-5-[3H]methyluracil. Lee YW, et al. **Int J Appl Radiat Isot** 1985 May;36(5):395–8

Tumor uptake of radiolabelled pyrimidine bases and pyrimidine nucleosides in animal models: VII. [2-14C]-5-ethyl-1-(2'-deoxy-beta-D-ribofuranosyl)uracil Lee YW, et al. **Int J Appl Radiat Isot** 1984 Nov; 35(11):1063–6

Tumor uptake of radiolabelled pyrimidine bases and pyrimidine nucleosides in animal models––V. 6-[36Cl]chlorouracil, 6-[82Br]bromouracil and 6-[123I]iodouracil. Lee YW, et al. **Int J Nucl Med Biol** 1984;11(3–4):262–6

Changes in misonidazole binding with hypoxic fraction in mouse tumors. Hirst DG, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1349–55

Cellular uptake and efflux and cytostatic activity of 4'-O-tetrahydropyranyladriamycin in adriamycin-sensitive and resistant tumor cell lines. Kunimoto S, et al. **J Antibiot (Tokyo)** 1984 Dec;37(12):1697–702

Metabolism of retinoids by embryonal carcinoma cells. Gubler ML, et al. **J Biol Chem** 1985 Aug 15;260(17):9552–8

Murine macrophage tumors are a source of a 260,000-dalton acetyl-low density lipoprotein receptor. Via DP, et al. **J Biol Chem** 1985 Jun 25;260(12):7379–86

Stimulation of glycosaminoglycan production in murine tumors. Knudson W, et al. **J Cell Biochem** 1984; 25(4):183–96

Effect of PSK on interferon production in tumor-bearing mice. Kitani H, et al. **J Clin Lab Immunol** 1984 Dec; 15(4):211–4

A rapid and efficient microtechnique for the analysis of functional transferrin receptors on tumor cells. Lazarus AH, et al. **J Immunol Methods** 1985 May 23;79(2):213–21

Alterations of hepatic delta-aminolevulinic acid synthetase, heme oxygenase, microsomal cytochrome content and drug metabolism in rats bearing ascitic tumors AH 13, AH 66 and AH 414 and a 3-methylcholanthrene induced tumor.

Matsuura Y, et al. **J Pharmacobiodyn** 1984 Jul;7(7):501–10

Pore and fiber-matrix models for diffusive transport in normal and neoplastic tissues. Nugent LJ, et al. **Microvasc Res** 1984 Sep;28(2):270–4

Intracellular ionic changes during hyperthermia of tumor cells in the presence of lanthanum. Anghileri LJ, et al. **Neoplasma** 1985;32(3):369–73

Study of competitive binding of gallium and iron by tumor cells. Anghileri LJ, et al. **Nuklearmedizin** 1984 Dec; 23(6):327–9

Effect of a zinc-deficient diet on lipid peroxidation in liver and tumor subcellular membranes. Burke JP, et al. **Proc Soc Exp Biol Med** 1985 Jun;179(2):187–91

64Cu labelling of hematoporphyrin derivative for non-invasive in-vivo measurements of tumour uptake. Firnau G, et al. **Prog Clin Biol Res** 1984;170:629–36

Tissular distribution and pharmacokinetics of hematoporphyrin diacetate on rats. Gervais P, et al. **Prog Clin Biol Res** 1984;170:571–81

Comparison of binding of [3H]misonidazole and [14C]misonidazole in multicell spheroids. Rasey JS, et al. **Radiat Res** 1985 Mar;101(3):473–9

Effects of succinate on amino acid incorporation into protein during chemical carcinogenesis. Fonnesu A, et al. **Toxicol Pathol** 1984;12(4):400–3

Metabolic aspects of cell cycle regulation in normal and cancer cells. Olivotto M, et al. **Toxicol Pathol** 1984; 12(4):369–73

[Tissue concentration of MMC by intra-arterial chemotherapy. Experimental study] Sato T. **Gan To Kagaku Ryoho** 1985 Sep;12(9):1883–4 **(Jpn)**

[Effect of serum polyamine oxidase on normal and tumor cells] Khomenko AK, et al. **Eksp Onkol** 1984;6(6):63–6 (Eng. Abstr.) **(Rus)**

[The role of cyclic nucleotides in the development of resistance to metastases after treatment with immunomodulators] Veksler IG, et al. **Eksp Onkol** 1984; 6(3):52–5 (Eng. Abstr.) **(Rus)**

[Effect of metronidazole on the intensity of cell respiration] Rozhdestvenskiĭ LM, et al. **Med Radiol (Mosk)** 1984 Dec; 29(12):38–43 (Eng. Abstr.) **(Rus)**

[Study of DNA synthesis in short-term cultures of mammalian cells in the evaluation of the reaction of tumor and normal tissues to irradiation and hyperthermia] Synzynys BI, et al. **Radiobiologiia** 1985 Mar–Apr; 25(2):179–84 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Retroviruses as chromosomal genes in the mouse. Kozak CA. **Adv Cancer Res** 1985;44:295–336 (237 ref.)

Membrane antigens associated with infection, transformation, and tumorigenesis by polyoma virus. Witz IP, et al. **Cancer Immunol Immunother** 1984;17(3):147–53 (54 ref.)

Germfree animal as a tool to study role of gut microflora and nutrition in cancer. Reddy BS, et al. **Prog Clin Biol Res** 1985;181:293–6

Exploring carcinogenesis with retroviral and cellular oncogenes. Bishop JM. **Prog Med Virol** 1985;32:5–14

OCCURRENCE

[Spontaneous tumors in athymic rats] Solov'ev IuN, et al. **Biull Eksp Biol Med** 1985 May;99(5):603 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Squamous-cell carcinoma of the lung. NHMI-induced squamous-cell carcinoma in the lungs of rats. Taylor HW, et al. **Am J Pathol** 1985 Apr;119(1):168–70

Effects of a calcium-antagonist (flunarizine) on cancer cell movement and phagocytosis. Sezzi ML, et al. **Anticancer Res** 1985 May–Jun;5(3):265–71

Human tumour cell lines established using clonal agar culture. Bertoncello I, et al. **Aust J Exp Biol Med Sci** 1985 Apr; 63 (Pt 2):241–8

Disaggregation of human solid tumours by combined mechanical and enzymatic methods. Engelholm SA, et al. **Br J Cancer** 1985 Jan;51(1):93–8

The validity of the labelling index in tumour studies. Hamilton E, et al. **Br J Cancer** 1985 Jan;51(1):15–21

The response to cytotoxic drugs of EMT6 cells treated either as intact or disaggregated spheroids. Kwok TT, et al. **Br J Cancer** 1985 Feb;51(2):211–8

Potentiation of anchorage-independent colony formation by sodium polyanethol sulphonate. Sheridan JW, et al. **Br J Cancer** 1984 Nov;50(5):633–45

Serum dependent variability in the adherence of tumour cells to surgical sutures. O'Dwyer P, et al. **Br J Surg** 1985 Jun; 72(6):466–9

12-O-tetradecanoyl-phorbol-13-acetate-induced differentiation of human neuroblastoma cells is not accompanied by an increase in the intracellular concentration of cyclic AMP. Ruusala AI, et al. **Brain Res** 1985 Feb;350(1–2):27–35

Does total parenteral nutrition (TPN) really promote tumor growth? A morphometric study. Hasegawa J, et al. **Cancer** 1984 Oct 15;54(8):1739–46

Macrophages and tumor growth. II. Cell kinetics at the site of allogeneic tumor growth. Barrera CN, et al. **Cancer Invest** 1985;3(1):7–13

The gray opossum (Monodelphis domestica): a marsupial model for xenogeneic neoplasms. Fadem BH, et al. **Cancer Lett** 1985 Jun;27(2):233–8

Considerations in the use of nude mice for cancer research. Sharkey FE, et al. **Cancer Metastasis Rev** 1984;3(4):341–60 (133 ref.)

Antitumor properties of (2R,5R)-6-heptyne-2,5-diamine, a new potent enzyme-activated irreversible inhibitor of ornithine decarboxylase, in rodents. Bartholeyns J, et al. **Cancer Res** 1984 Nov;44(11):4972–7

Antitumor activity and toxicity in animals of RR-150 (7-cysteaminomitosane), a new mitomycin derivative. Bradner WT, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5619–23

Tumorigenicity of dihydrodiols and diol-epoxides of benz[c]acridine in newborn mice. Chang RL, et al. **Cancer Res** 1984 Nov;44(11):5161–4

Sequential changes in the activities of lipoprotein lipase and lipogenic enzymes during tumor growth in rats. Lanza-Jacoby S, et al. **Cancer Res** 1984 Nov;44(11):5062–7

Organ-specific carcinogenesis in rats by methyl- and ethylazoxyalkanes. Lijinsky W, et al. **Cancer Res** 1985 Jan; 45(1):76–9

Inheritance of acquired changes in growth capacity of spontaneously transformed BALB/3T3 cells propagated in mice and in culture. Rubin H, et al. **Cancer Res** 1985 Jun; 45(6):2590–9

Effects of restraint stress on inoculated tumor growth and immune response in rats. Steplewski Z, et al. **Cancer Res** 1985 Oct;45(10):5128–33

Direct and indirect effects of interferon on in vivo murine tumor cell growth. Uno K, et al. **Cancer Res** 1985 Mar; 45(3):1320–7

Effect of 42 degrees C hyperthermia on murine normal and tumor tissues. Urano M, et al. **Cancer Res** 1985 Jun; 45(6):2527–32

Establishment of growth factor-dependent MOPC 104E cell line in vitro. Shrestha K, et al. **Cell Immunol** 1985 Jan; 90(1):24–31

In vitro migration of tumor cells from human neoplasms: inhibition by lymphokines. Cohen MC, et al. **Clin Immunol Immunopathol** 1985 Jan;34(1):94–9

Characteristics of antiviral and anticellular activities of human recombinant interferon-gamma. Gomi K, et al. **Gann** 1985 Mar;76(3):224–34

Proflamin, a new antitumor agent: preparation, physicochemical properties and antitumor activity. Ikekawa T, et al. **Gann** 1985 Feb;76(2):142–8

Carcinogenicity of captafol in B6C3F1 mice. Ito N, et al. **Gann** 1984 Oct;75(10):853–65

Spleen cell populations in normal and tumor-bearing hamsters. Merdrignac G, et al. **Immunol Lett** 1985; 10(2):81–6

Enhancement of rat ACT-1 tumor clonogenicity by xenogeneic mouse macrophages. Beagley KW, et al. **In Vitro** 1984 Aug;20(8):623–8

Tumor-associated macrophages stimulate the proliferation of murine tumor cells surviving treatment with the oncolytic cyclophosphamide analogue Asta Z-7557: in vivo implications. Evans R, et al. **Int J Cancer** 1984 Dec 15;34(6):883–90

Discrimination between nonmalignant and malignant cells by combinations of IFN-gamma and IFN-alpha/beta. Fleischmann WR Jr, et al. **J Biol Response Mod** 1984 Aug; 3(4):397–405

Identification of asparagine-linked oligosaccharides involved in tumor cell adhesion to laminin and type IV collagen. Dennis JW, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1416–23

Differential effects of abrin on normal and tumor cells. Chan LN, et al. **J Cell Physiol** 1985 Apr;123(1):132–8

Acquisition of a limited lifespan by differentiating cells derived from PC13 embryonal carcinoma cells. Rayner MJ, et al. **J Cell Sci** 1984 Dec;72:227–40

Resistance of human tumor cells in vitro to oxidative cytolysis. O'Donnell-Tormey J, et al. **J Clin Invest** 1985 Jul;76(1):80–6

A new method for studying cell growth in suspension, and its use to show that indomethacin enhances cell killing by methotrexate. Gaffen JD, et al. **J Pharm Pharmacol** 1985 Apr;37(4):261–3

Strain and sex differences in N-nitrosohexamethyleneimine carcinogenesis in NZB, NZC, NZO, and NZY mice. Goodall CM, et al. **JNCI** 1984 Nov;73(5):1215–8

Murine in vitro antigenic modification of tumor cells: effect on susceptibility to natural cell-mediated cytotoxicity. Langweiler M, et al. **JNCI** 1985 Mar;74(3):699–704

Protamine sulfate inhibition of serum-induced mitogenic responses: differential effects on normal and neoplastic cells. Leibovich SJ, et al. **JNCI** 1984 Dec;73(6):1337–47

Contribution of inert mass to experimental cancer cachexia in rats. Morrison SD, et al. **JNCI** 1984 Oct;73(4):991–8

Stimulation of proliferation in mixed cultures of mouse tumor cells and nonimmune peritoneal cells. II. Stimulation of tumor cells by macrophages and of lymphocytes by a tumor cell product. Nelson M, et al. **JNCI** 1985 Mar;74(3):637–45

Stimulation of proliferation in mixed cultures of mouse tumor cells and nonimmune peritoneal cells. I. Occurrence of stimulation and cyclical variation in tumor cell activity. Nelson M, et al. **JNCI** 1985 Mar;74(3):627–35

1,6-Dinitropyrene: mutagenicity in Salmonella and carcinogenicity in BALB/c mice. Tokiwa H, et al. **JNCI** 1984 Dec;73(6):1359–63

NIH/3T3 cells transfected with human tumor DNA containing activated ras oncogenes express the metastatic phenotype in nude mice. Thorgeirsson UP, et al. **Mol Cell Biol** 1985 Jan;5(1):259–62

Assessment of lethal and cytostatic effects of alkylnitrosoureas on the cells of experimental tumors. Emanuel NM, et al. **Neoplasma** 1984;31(5):529–38

Changes in distribution of the phases of mitosis in human tumor xenografts following drug treatment. Siracký J, et al. **Neoplasma** 1984;31(5):539–44

Effect of vitamin E as an immunopotentiation agent and its influence on tumor growth in mice. Yasunaga T, et al. **Nippon Geka Hokan** 1984 Mar 1;53(2):312–23

Characterization of laminin-stimulated adherence and motility in tumor cells. Fligiel SE, et al. **Oncology** 1985; 42(4):265–71

Animal model for colorectal cancer. Nigro ND. **Prog Clin Biol Res** 1985;186:161–73

Profile of spontaneous tumor development in germfree Lobund Wistar rats. Pollard M, et al. **Prog Clin Biol Res** 1985;181:289–92

The sensitivity of normal stroma to fractionated radiotherapy measured by a tumour growth rate assay. Begg AC, et al. **Radiother Oncol** 1984 Dec;2(4):333–41

Reversibility of progression of the transformed phenotype in Ad5-transformed rat embryo cells. Babiss LE, et al. **Science** 1985 May 31;228(4703):1099–101

Uncertainty of histologic classification of experimental tumors [letter] Galli SJ. **Science** 1984 Oct 19; 226(4672):352–3

[Experimental studies on growth inhibition and regression of cancer metastases] Chihara G. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1196–209 (Eng. Abstr.) **(Jpn)**

[Inhibition of metastasis by anti-platelet agents-prostaglandins] Niitsu Y, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1228–34 (Eng. Abstr.) **(Jpn)**

[Mitogenic responsiveness to growth factor and tumor promoters and regulation of cell growth] Shimizu N. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):692–9 (Eng. Abstr.) **(Jpn)**

[Cancer blood-borne metastasis and platelets] Tanaka K, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2453–9 (Eng. Abstr.) **(Jpn)**

[Biological activities of a new antitumor antibiotics] Umezawa I. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 2):2674–80 (Eng. Abstr.) **(Jpn)**

[Enhancement by blood transfusions of transplanted tumor growth in mice] Kagawa S. **Nippon Geka Gakkai Zasshi** 1984 Jun;85(6):513–20 (Eng. Abstr.) **(Jpn)**

[Correlation between in vitro chemosensitivity of human tumors and the corresponding xenografts in nude mice] Mizuno Y. **Nippon Geka Hokan** 1984 Jan 1;53(1):221–31 (Eng. Abstr.) **(Jpn)**

[Analysis of lymphocyte subsets infiltrated into mouse tumor tissue exposed to local irradiation––histological study using monoclonal antibodies] Hirota S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Apr 25; 45(4):663–5 (Eng. Abstr.) **(Jpn)**

[Differential responses of tumor and normal skin tissue to low dose rate radiations] Sasaki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb;37(2):179–86 (Eng. Abstr.) **(Jpn)**

[Tumorigenicity of the cell lines (TTK-1 cell lines) derived from normal human decidua in nude mice] Tateyama I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Nov; 36(11):2115–20 (Eng. Abstr.) **(Jpn)**

[In vitro cytotoxicity of methotrexate] Maehara S. **Nippon Seikeigeka Gakkai Zasshi** 1984 Jul;58(7):677–84 (Eng. Abstr.) **(Jpn)**

[Establishment of human tumor strains from cell lines transplanted into athymic mice and rats] Revazova ES, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):469–71 (Eng. Abstr.) **(Rus)**

[Effect of ceruloplasmin on the growth of experimental tumors and proliferative activity of cells] Berdinskikh NK, et al. **Eksp Onkol** 1984;6(3):63–6 (Eng. Abstr.) **(Rus)**

[Rearrangements in cell populations in malignant growth] Shuklinov VA. **Eksp Onkol** 1984;6(6):25–30 (57 ref.) (Eng. Abstr.) **(Rus)**

[Cytophotometric and autoradiographic study of transplantable strains of hepatoma, lung cancer,. melanoma and sarcoma. 1] Tsymbal TI, et al. **Lab Delo** 1985;(4):220–3 (Eng. Abstr.) **(Rus)**

[Mathematical modeling of the kinetics of a heterogeneous cell population during tumor growth. II. A numerical study and some generalizations] Bardychev DM, et al. **Tsitologiia** 1985 Jan;27(1):114–8 (Eng. Abstr.) **(Rus)**

[Biological activity of urocanic acid] Burobin VA, et al. **Vopr Med Khim** 1985 Jan–Feb;31(1):102–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effect of erythrocyte transfusion on the circulation of Guérin carcinoma-bearing rats. Takács L, et al. **Acta Physiol Hung** 1984;64(1):9–17

Early transmembrane events in tumour cell responses observed by stopped-flow fluorometry. Utsunomiya N, et al. **FEBS Lett** 1985 Aug 5;187(2):245–8

Dielectric properties of solid tumors during normothermia and hyperthermia. Peloso R, et al. **IEEE Trans Biomed Eng** 1984 Nov;31(11):725–8

Procoagulant activity of macrophages associated with different murine neoplasms. Guarini A, et al. **Int J Cancer** 1984 Oct 15;34(4):581-6

Stress, opioid peptides, the immune system, and cancer. Shavit Y, et al. **J Immunol** 1985 Aug;135(2 Suppl):834s-837s

A mathematical model of tumour-induced capillary growth. Balding D, et al. **J Theor Biol** 1985 May 7;114(1):53-73

Rearrangements of the cellular p53 gene in erythroleukaemic cells transformed by Friend virus. Mowat M, et al. **Nature** 1985 Apr 18-24;314(6012):633-6

Effect of cell-cell interactions on drug sensitivity and growth of drug-sensitive and -resistant tumor cells in spheroids. Tofilon PJ, et al. **Science** 1984 Nov 16;226(4676):862-4

[Tumor micromilieu. Experimental and theoretical studies of multicellular tumor spheroids] Müller-Klieser W. **Fortschr Med** 1985 May 9;103(18):477-80 (Eng. Abstr.) **(Ger)**

[Determination of the pH of solid tumors] Sidorenko MV, et al. **Eksp Onkol** 1984;6(6):48-50 (Eng. Abstr.) **(Rus)**

[The sympathetic nervous system, hemocytes and tumor growth] Tereshchenko IP, et al. **Patol Fiziol Eksp Ter** 1984 Jul-Aug;(4):21-3 (Eng. Abstr.) **(Rus)**

[Neurohormonal changes during the growth of metastatic Lewis carcinoma in C57Bl mice] Shmal'ko IuP, et al. **Vopr Med Khim** 1985 May-Jun;31(3):57-60 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Retinoids in oncology. Mahrle G. **Curr Probl Dermatol** 1985; 13:128-63 (265 ref.)

Effect of selenium on virally induced and transplantable tumor models. Milner JA. **Fed Proc** 1985 Jun;44(9):2568-72

A role for anaphylactic sensitization in tumor control. Correnti M, et al. **Int Arch Allergy Appl Immunol** 1985; 76(1):20-4

Chemoprotective effect of progesterone on carcinoma formation in mice and rats. Lupulescu A. **JNCI** 1985 Feb; 74(2):499-507

Effect of dietary 2-mercaptoethanol on the life span, immune system, tumor incidence and lipid peroxidation damage in spleen lymphocytes of aging BC3F1 mice. Heidrick ML, et al. **Mech Ageing Dev** 1984 Oct 31;27(3):341-58

[Effect of immunization with tularemia vaccine on 3,4-benz[a]pyrene-induced blastomogenesis and mutagenesis in rats] Nersesian AK. **Eksp Onkol** 1985; 7(1):38-40 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Review of the effects of stress on cancer in laboratory animals: importance of time of stress application and type of tumor. Justice A. **Psychol Bull** 1985 Jul;98(1):108-38 (198 ref.)

RADIONUCLIDE IMAGING

The imaging of small experimental murine tumors grown in the subrenal capsule using monoclonal antibodies. Sands H, et al. **Cancer Lett** 1984 Aug;24(1):65-72

Evaluation of [1-11C]-alpha-aminoisobutyric acid for tumor detection and amino acid transport measurement: spontaneous canine tumor studies. Bigler RE, et al. **Eur J Nucl Med** 1985;10(1-2):48-55

Tumor localization of alpha-aminoisobutyric acid (AIB) in human melanoma heterotransplants. Conti PS, et al. **Eur J Nucl Med** 1985;10(1-2):45-7

Relative tumour enhancement of 67Ga uptake by desferrioxamine. Hammersley PA. **Eur J Nucl Med** 1984; 9(10):461-71

Studies on 18F-labeled pyrimidines III. Biochemical investigation of 18F-labeled pyrimidines and comparison with 3H-deoxythymidine in tumor-bearing rats and mice. Ishiwata K, et al. **Eur J Nucl Med** 1985;10(1-2):39-44

11C-butanol for imaging of the blood-flow distribution in tumor-bearing animals. Knapp WH, et al. **Eur J Nucl Med** 1985;10(11-12):540-8

Tumor uptake of radiolabelled pyrimidine bases and pyrimidine nucleosides in animal models: VI. 1-(3'-[36Cl]-chloro-, 1-(3'-[82Br]-bromo- and 1-(3'-[123I]-Iodo-3'-deoxy-beta-D-arabinofuranosyl)urac Lee YW, et al. **Int J Appl Radiat Isot** 1984 Nov; 35(11):1057-61

Tumor location using F(ab')2 mu from a monoclonal IgM antibody: pharmacokinetics. Ballou B, et al. **J Nucl Med** 1985 Mar;26(3):283-92

Re: Activity and protein levels in studies of monoclonal antibody imaging [letter] Williams LE. **J Nucl Med** 1984 Dec;25(12):1395-6

A new tumor imaging agent--111In-bleomycin complex. Comparison with 67Ga-citrate and 57Co-bleomycin in tumor-bearing animals. Hou DY, et al. **J Surg Oncol** 1984 Nov;27(3):189-95

131I-labelled tumour-specific antibodies: trial to concentrate radioisotopes specifically in tumours. 3. Improved radioimaging and tumour localization in nude mice with a monoclonal anti-CEA antibody by preincubation of labelled antibody with syngeneic spleen cells. (A rapid communication). Makidono R, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Feb 25; 45(2):388-92

Tissue distribution of 3H-hematoporphyrin derivative and its main components, 67Ga and 131I-albumin in mice bearing Lewis lung carcinoma. Evensen JF, et al. **Prog Clin Biol Res** 1984;170:541-62

99mTc-DL-Homocysteine, a potential tumor imaging agent. Tamemasa O, et al. **Radioisotopes** 1984 Sep;33(9):636-8

[Animal experiments on the radiopharmacokinetics of endolymphatically administered, labeled albumin-microspheres for the diagnosis of regional lymph node tumors. 3] Chačirov DG, et al. **Radiol Diagn (Berl)** 1984;25(5):623-8 (Eng. Abstr.) **(Ger)**

[Experimental study for tumor detection using 18F-2-fluoro-deoxy-D-glucose: imaging of rabbit VX2-tumor with single photon gamma camera] Abe Y, et al. **Kaku Igaku** 1985 Mar;22(3):389-91 (Eng. Abstr.) **(Jpn)**

[Relative Ga-67 image enhancement by iron-loading] Higashi T, et al. **Kaku Igaku** 1984 Jul;21(7):791-8 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Control of oxygen utilization in vitro and in vivo: implications for radiotherapy of tumors. Biaglow JE, et al. **Adv Exp Med Biol** 1984;180:323-32

Relationship of clonogenic cells and 'tumour-rescuing cells', modelled in irradiated spheroids in vitro. Moore JV, et al. **Br J Radiol** 1984 Oct;57(682):935-7

Recovery from potentially lethal damage after X-irradiation in three experimental tumors in mice. Shibamoto Y, et al. **Gann** 1985 Apr;76(4):278-83

The effect of alterations in haematocrit on tumour sensitivity to X-rays. Hirst DG, et al. **Int J Radiat Biol** 1984 Oct; 46(4):345-54

Relative biological effectiveness of 125I sources in a murine brachytherapy model. Da Silva VF, et al. **Int J Radiat Oncol Biol Phys** 1984 Nov;10(11):2109-11

Tumor radiosensitization with concomitant bone marrow radioprotection: a study in mice using diethyldithiocarbamate (DDC) under oxygenated and hypoxic conditions. Evans RG. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1163-9

The effect of treatment in fractionated schedules with the combination of X-irradiation and six cytotoxic drugs on the RIF-1 tumor and normal mouse skin. Lelieveld P, et al. **Int J Radiat Oncol Biol Phys** 1985 Jan;11(1):111-21

Test of recurrence after experimental radiation therapy of chemically induced autochthonous tumors in mosaic mice. Tanooka H, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug; 11(8):1551-5

Tumor sensitization and protection: influence of stromal injury on estimates of dose modification. Williams MV, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1545-9

A review of alpha/beta ratios for experimental tumors: implications for clinical studies of altered fractionation. Williams MV, et al. **Int J Radiat Oncol Biol Phys** 1985 Jan;11(1):87-96 (57 ref.)

Tumor-to-tumor variability in the hypoxic fractions of experimental rodent tumors. Rockwell S, et al. **Radiother Oncol** 1984 Jun;2(1):57-64

Human tumour xenografts in radiotherapeutic research. Rofstad EK. **Radiother Oncol** 1985 Jan;3(1):35-46

Differences among tissues with respect to iso-effect relations for fractionated irradiation. Barendsen GW. **Strahlentherapie** 1984 Nov;160(11):667-9

[Effect of low-energy laser irradiation on normal skin and tumor tissues] Pletnev SD, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Jan-Feb;(1):134-7 (Eng. Abstr.) **(Rus)**

[Combined use of radiosensitizing and protective agents in experimental radiotherapy] Magdon E, et al. **Med Radiol (Mosk)** 1984 Dec;29(12):29-32 (Eng. Abstr.) **(Rus)**

[Growth rate of experimental tumors in x-irradiation] Mustafina RKh. **Med Radiol (Mosk)** 1984 Dec;29(12):33-8 (Eng. Abstr.) **(Rus)**

[Effect of the duration of exposure of animals to light and dark regimes on the level of tumor radiosensitivity] Vasil'eva GS, et al. **Med Radiol (Mosk)** 1985 Mar; 30(3):71-4 **(Rus)**

[Oxygen status and angioarchitectonics of different types of tumors and their changes after radiotherapy] Amosov IS, et al. **Radiobiologiia** 1984 Sep-Oct;24(5):630-5 (Eng. Abstr.) **(Rus)**

[Modification of the action of ionizing radiation on cells of transplantable tumors by administering xanthobine] Volchkov VA, et al. **Radiobiologiia** 1985 Jan-Feb; 25(1):112-4 (Eng. Abstr.) **(Rus)**

SECONDARY

Morphological and behavioral characteristics of two rat tumor cell lines with different metastatic capacities. Paweletz N, et al. **Scan Electron Microsc** 1984;(Pt 2):783-92

SURGERY

Prevention of tumor metastasis after surgical removal of primary tumor by using in vitro activated macrophages. Okuno K, et al. **Jpn J Clin Oncol** 1985 Mar;15(1):87-94

[Metastasis and stress reactions in the surgical resection of tumors] Balitskiĭ KP, et al. **Eksp Onkol** 1984;6(2):45-8 (Eng. Abstr.) **(Rus)**

[Effect of cryodestruction of Lewis lung carcinoma in mice on the development of metastases] Mosienko VS, et al. **Eksp Onkol** 1984;6(3):55-7 (Eng. Abstr.) **(Rus)**

[Effect of the cryodestruction and surgical removal of Guérin's carcinoma on metastasis into the regional lymph nodes] Mosienko VS, et al. **Eksp Onkol** 1984;6(6):57-60 (Eng. Abstr.) **(Rus)**

THERAPY

Augmentation of anti-tumor activity by immunization with Mycobacterium tuberculosis (Tbc) and tuberculin-coupled tumor cells. Yada Y, et al. **Acta Med Okayama** 1985 Apr; 39(2):131-41

On the mechanism for enhancement of tumor radiation to hyperbaric oxygen in sodium pentobarbital anesthetized rodents. Biaglow JE, et al. **Adv Exp Med Biol** 1984; 180:301-10

Effect of cyclophosphamide administration on immunoprophylaxis and immunotherapy with glutaraldehyde-treated MOPC-315 syngeneic tumour cells. Ophir R, et al. **Asian Pac J Allergy Immunol** 1984 Jun; 2(1):37-42

Interactions between clinically effective antitumor drugs and radiation in experimental systems. Bellamy AS, et al. **Biochim Biophys Acta** 1984;738(3):125-66 (293 ref.)

Focal heating of V-2 tumors with a hybrid radiofrequency applicator. Boddie AW Jr, et al. **Cancer** 1985 Mar 15; 55(6):1172-7

Radiofrequency hyperthermia as adjuvant therapy following surgical resection of an experimental malignant neoplasm. Dalfen R, et al. **Cancer** 1985 Jun 1;55(11):2737-40

Antigen-specific therapy of experimental metastases. Nomi S, et al. **Cancer** 1985 Mar 15;55(6):1296-302

Efficient activation of human blood monocytes to a tumoricidal state by liposomes containing human recombinant gamma interferon. Koff WC, et al. **Cancer Immunol Immunother** 1985;19(2):85-9

The use of cytotoxic T cells in the regulation of tumour growth in syngeneic mice. Kwong L, et al. **Cancer Immunol Immunother** 1984;17(3):205-12

Antitumor properties of vindesine-monoclonal antibody conjugates. Rowland GF, et al. **Cancer Immunol Immunother** 1985;19(1):1-7

Tumor destruction and kinetics of tumor cell death in two experimental mouse tumors following photodynamic therapy. Henderson BW, et al. **Cancer Res** 1985 Feb; 45(2):572-6

Treatment regimen and host T-cell-dependent therapeutic effect of interferon in mouse solid tumors. Kataoka T, et al. **Cancer Res** 1985 Aug;45(8):3548-53

Responses of RIF tumors to heat and drugs: dependence on tumor size. Li DJ, et al. **Cancer Treat Rep** 1984 Sep; 68(9):1149-51

Effect of forphenicinol, a small molecular immunomodifier, in combination with cyclophosphamide on growth of and immunity to syngeneic murine tumors. Nitta K, et al. **Cancer Treat Rep** 1985 Mar;69(3):285-91

VARCOV: a computer program for the distribution-free analysis of growth and response curves. Koziol JA. **Comput Programs Biomed** 1984;19(1):69-74

Induction of tumoricidal peritoneal exudate cells by administration of Lactobacillus casei. Kato I, et al. **Int J Immunopharmacol** 1985;7(1):103-9

RSU 1069, a 2-nitroimidazole containing an alkylating group: high efficiency as a radio- and chemosensitizer in vitro and in vivo. Adams GE, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1653-6

Hyperthermia and radiation in vivo: effect of 2-deoxy-D-glucose. Gridley DS, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):567-74

Immunotherapy of murine and human tumors in mice with lymphokines and interleukin-2-propagated lymphocytes. Kedar E, et al. **J Biol Response Mod** 1984 Oct;3(5):517-26

Immunomodulation and antitumor effects of MVE-2 in mice. Talmadge JE, et al. **J Biol Response Mod** 1984 Dec; 3(6):634-52

The cooling effect of tubular liquid flow during radiofrequency heating: the 'rind' survival hypothesis. Glazebrook GA, et al. **J Can Assoc Radiol** 1985 Jun; 36(2):127-32

A model for an improved method to study the action of anti-tumor treatment on malignant lymphoid cells [letter] Maekawa S, et al. **J Immunol Methods** 1985 Apr 8; 78(1):161-3

Combination antitumor therapy with rabbit tumor necrosis factor and chemo- and immuno-therapeutic agents against murine tumors. Gatanaga T, et al. **Jpn J Cancer Res** 1985 Jul;76(7):631-6

Use of combined systemic hypothermia and local heat treatment to enhance temperature differences between tumor and normal tissues. Babbs CF, et al. **Med Instrum** 1985 Jan-Feb;19(1):27-33

An experimental model for predicting the synergism of hyperthermia with cytostatics. Andrysek O, et al. **Neoplasma** 1985;32(1):93-101

In vivo kinetics of murine lymphoid cells: in relation to local adoptive cancer immunotherapy. Yamasaki N, et al. **Nippon Geka Hokan** 1984 Jan 1;53(1):67-78

Antitumor effect of the yeast polysaccharide preparation in syngeneic mouse tumor models. Kumano N, et al. **Tohoku J Exp Med** 1985 May;146(1):89-96

Tumor regression in tumor-bearing mice by inoculations of immunogenic somatic hybrid cells in combination with cyclophosphamide. Tachibana T, et al. **Tokai J Exp Clin Med** 1983 Dec;8(5-6):455-63

NEWARK PUBLIC LIBRARY

[Cisplatin and radiotherapy] Dühmke E. **Strahlentherapie** 1985 Jun;161(6):367–73 (40 ref.) (Eng. Abstr.) **(Ger)**

[Experience in local hyperthermia with using Therma Tech 2000. First report] Mitsuno K, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):1099–104 (Eng. Abstr.) **(Jpn)**

[Adoptive immunotherapy of murine tumor using cultured syngeneic tumor-bearer-spleen cells. 1: Anti-tumor activity of tumor-bearer-spleen cells cultured with T cell growth factor (TCGF) and soluble tumor extract] Kan N, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Feb 20;20(1):31–9 (Eng. Abstr.) **(Jpn)**

[Studies on selective embolo-hyperthermic therapy of tumors by using ferromagnetic particles] Sako M, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Oct 20;19(9):2168–71 (Eng. Abstr.) **(Jpn)**

[Correlation between anti-tumor effect and delayed hypersensitivity induced by topically applied OK-432 with histological findings] Kokunai I, et al. **Nippon Geka Gakkai Zasshi** 1985 Mar;86(3):258–65 (Eng. Abstr.) **(Jpn)**

[Effect of the combined use of BCG, PPD, a protein-containing preparation from allogenic tissue and cyclophosphamide in the development of methylcholanthrene-induced tumors] Volegov AI. **Eksp Onkol** 1984;6(2):63–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Biological and morphologic study of human bronchial carcinoma xenografts] Bak M, et al. **Morphol Igazsagugyi Orv Sz** 1984 Jul;24(3):171–9 (Eng. Abstr.) **(Hun)**

URINE

Polyamine metabolism and polyamine excretion in normal and tumor bearing rodents. Seiler N, et al. **Anticancer Res** 1985 Jul–Aug;5(4):371–7

Comparison of growth factors functionally related to epidermal growth factor in the urine of normal and human tumor-bearing athymic mice. Twardzik DR, et al. **Cancer Res** 1985 May;45(5):1934–9

VETERINARY

Bracken toxicity and soil mycotoxins. Schoental R. **Vet Rec** 1984 Nov 10;115(19):500

NEOPLASMS, GLANDULAR EPITHELIAL

DIAGNOSIS

[Tumor markers: new prospects in the diagnosis and clinical monitoring of malignant epithelial neoplasms of the ovary] Gadducci A, et al. **Ann Ostet Ginecol Med Perinat** 1985 Jan–Feb;106(1):34–9 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Synovial sarcoma with squamous differentiation of its mesenchymal glandular elements. A case report with light-microscopic, ultramicroscopic, and immunologic correlation. Mirra JM, et al. **Am J Surg Pathol** 1984 Oct;8(10):791–6

SECRETION

Pathology of peptide-producing neuroendocrine tumours. Polak JM, et al. **Br J Hosp Med** 1985 Feb;33(2):78, 80–2, 87–8

NEOPLASMS, HORMONE-DEPENDENT

ANALYSIS

Evaluation of estrogen dependency of human breast cancers. I. Cytochemical study of estrogen receptor in human breast cancer tissue. Nishiki M, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):157–61

[Estrogen and progesterone receptors in malignant melanoma, benign pigmented nevi and basocellular epithelioma] Avril MF, et al. **Pathol Biol (Paris)** 1985 Jan;33(1):39–44 (Eng. Abstr.) **(Fre)**

[Receptors for steroid hormones apart from breast cancer. Practical value] Vennin P, et al. **Pathol Biol (Paris)** 1984 Nov;32(9):975–81 (89 ref.) (Eng. Abstr.) **(Fre)**

[Use of protamine sulfate in a method for determining the hormonal sensitivity of breast cancer] Degtiar' VG, et al. **Vopr Onkol** 1985;31(1):51–5 (Eng. Abstr.) **(Rus)**

[Hormonal receptors and other procedures for predicting clinical response in cancer of the prostate] Habib FK, et al. **Arch Esp Urol** 1984 Dec;37 Suppl 2:751–9 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

7,12-Dimethylbenzanthracene induced mammary tumours in Wistar rats by 'air pouch' technique––a new approach. Arun B, et al. **Cancer Lett** 1984 Dec;25(2):187–94

COMPLICATIONS

Endocrine characterization of the adrenal adenomas in a case of primary aldosteronism. Naruse M, et al. **Tokai J Exp Clin Med** 1984 Aug;9(3):175–82

DIAGNOSIS

Clinical aspects of steroid receptor assays. Leake RE. **Med Lab Sci** 1984 Jul;41(3):257–61

DRUG THERAPY

Effect of progestogen (Depo-Provera) on annulate lamellae in endometrial carcinoma. Szarvas Z, et al. **Acta Chir Hung** 1984;25(4):269–76

Treatment of breast carcinoma with aminoglutethimide. Kvinnsland S, et al. **Acta Radiol [Oncol]** 1984;23(6):421–4

Hormone stimulation and chemotherapy in advanced prostate cancer: preliminary results of a prospective controlled clinical trial. Manni A, et al. **Anticancer Res** 1985 Mar–Apr;5(2):161–5

Oral medroxyprogesterone acetate in the treatment of metastatic breast cancer. Hortobagyi GN, et al. **Breast Cancer Res Treat** 1985;5(3):321–6

The inhibitory effect of 5-acetoxy-2-(4-acetoxyphenyl)-1-ethyl-3-methylindole (D 16726) on estrogen-dependent mammary tumors. von Angerer E, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):531–7

Aminoglutethimide––a new endocrine therapy in breast cancer. A cancer research review. Harris AL. **Exp Cell Biol** 1985;53(1):1–8 (43 ref.)

Evaluation of estrogen dependency of human breast cancers. II. Clinical evaluation of tamoxifen in advanced primary and recurrent breast cancer. Nishiki M, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):163–6

Treatment of patients with advanced cancer of the prostate using a slow-release (depot) formulation of the LHRH agonist ICI 118630 (Zoladex). Walker KJ, et al. **J Endocrinol** 1984 Nov;103(2):R1–4

Ellipticine derivatives with an affinity to the estrogen receptor, an approach to develop intercalating drugs with a specific effect on the hormone-dependent breast cancer. Delbarre A, et al. **J Med Chem** 1985 Jun;28(6):752–61

Influence of ACTH on aminoglutethimide induced reduction of plasma steroids in postmenopausal breast cancer. Bruning PF, et al. **J Steroid Biochem** 1984 Sep;21(3):293–8

Steroid hormone receptors in normal and malignant human renal tissue: relationship with progestin therapy. Ronchi E, et al. **J Steroid Biochem** 1984 Sep;21(3):329–35

Biodegradable sustained release formulation of the LH-RH analogue 'Zoladex' for the treatment of hormone-responsive tumours. Furr BJ, et al. **Prog Clin Biol Res** 1985;185A:143–53

Mode of action of estramustine phosphate in hormone dependent and hormone non-dependent prostate cancer. Hedlund PO. **Prog Clin Biol Res** 1985;185A:197–202 (13 ref.)

Investigation of the combination of the agonist D-Trp-6-LH-RH and the antiandrogen flutamide in the treatment of Dunning R-3327H prostate cancer model. Redding TW, et al. **Prostate** 1985;6(3):219–32

[Role of an anti-estrogen, tamoxifen, in the treatment of metastatic malignant melanoma] Quencez E, et al. **Ann Dermatol Venereol** 1985;112(4):341–6, 349 (Eng. Abstr.) **(Fre)**

[Changes in serum lipoproteins under hormonal therapy of breast carcinoma and other endocrine-dependent tumors] Wander HE, et al. **Onkologie** 1985 Apr;8(2):88–92 (Eng. Abstr.) **(Ger)**

[New aspects of anti-androgenic therapy of prostatic cancer] Portnoi AS. **Urol Nefrol (Mosk)** 1985 May–Jun;(3):69–73 (43 ref.) **(Rus)**

ENZYMOLOGY

Estradiol 17 beta-hydroxysteroid dehydrogenase, a marker of breast cancer hormone dependency. Fournier S, et al. **Cancer Res** 1985 Jun;45(6):2895–9

IMMUNOLOGY

Effect of transfer factor on tumor-associated immunity and tumor growth of the Dunning R-3327G rat prostate adenocarcinoma. Shaw MW, et al. **Am J Reprod Immunol Microbiol** 1985 Jul;8(3):80–3

METABOLISM

Amplified expression of p21 ras protein in hormone-dependent mammary carcinomas of humans and rodents. DeBortoli ME, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):699–706

Estrogen receptors in brain tumors. Fujimoto M, et al. **Clin Neuropharmacol** 1984;7(4):357–62

Induction of an estrogen-dependent early steroidogenic lesion in murine Leydig tumor cells. Zimniski SJ, et al. **Endocrinology** 1985 Jun;116(6):2583–91

Steroid hormone receptors in MCCLX, a transplantable lactogen-dependent mammary tumor of the rat. Lewko WM, et al. **Horm Metab Res** 1985 Apr;17(4):189–93

Retrogenic expression of receptors for growth factors in neoplasia. Cikes M. **Tumour Biol** 1984;5(2):87–93 (48 ref.)

[Change in the level of steroid hormone receptors in the tumors of patients with breast cancer complicated by liver and bile duct diseases] Portnoi SM, et al. **Vopr Onkol** 1985;31(1):55–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Hormone dependency of a serially transplantable human prostatic cancer (HONDA) in nude mice. Ito YZ, et al. **Cancer Res** 1985 Oct;45(10):5058–63

Mechanism of estrogen enhancement in the growth of androgen-dependent Shionogi carcinoma 115. Noguchi S, et al. **Cancer Res** 1985 Oct;45(10):4785–90

Endometrial 'sarcomas' complicating ovarian thecoma, polycystic ovarian disease and estrogen therapy. Press MF, et al. **Gynecol Oncol** 1985 Jun;21(2):135–54

New perspectives in hormone-dependent (responsive) and autonomous mammary tumor growth: role of autostimulatory growth factors. Danielpour D, et al. **In Vitro** 1984 Dec;20(12):975–80

Culture and characteristics of hormone-responsive neuroblastoma X glioma hybrid cells. Hamprecht B, et al. **Methods Enzymol** 1985;109:316–41

Influence of sexual hormones on solid tumor growth and ATP C+ cell replication. Liotti FS, et al. **Oncology** 1985;42(5):312–6

PHYSIOPATHOLOGY

Human prostate cancer (PC-82) in nude mice: a model to study androgen regulated tumor growth. van Steenbrugge GJ, et al. **Prog Clin Biol Res** 1985;185A:23–50

[Hormonal dependence and hormonal therapy of cancers of the endometrium and breast] Barrat J. **Rev Fr Gynecol Obstet** 1985 Jul;80(7):549–53 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

The synthesis of 16 alpha-[131I]iodo-oestradiol and evaluation of its use as a radiotracer for oestrogen receptor positive breast tumours. Symes EK, et al. **J Steroid Biochem** 1985 Feb;22(2):155–60

THERAPY

Metastatic prostate cancer: hormone dependency and therapeutic efficacy of GnRH analogues. Tolis G, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984;265:22–3

Hormone-induced tumor flare [editorial] Clarysse A. **Eur J Cancer Clin Oncol** 1985 May;21(5):545–7

[Precautionary ovariectomy in the therapy of initial carcinoma of the breast. Our experience] Galletto L. **Minerva Ginecol** 1985 Jun;37(6):329–31 **(Ita)**

NEOPLASMS, MULTIPLE ENDOCRINE

see related

ZOLLINGER-ELLISON SYNDROME

The First International Workshop on Multiple Endocrine Neoplasia Type 2 Syndromes. **Henry Ford Hosp Med J** 1984;32(4):217–82

Multiple endocrine neoplasia type I. Beukes E, et al. **S Afr Med J** 1985 Aug 17;68(4):219–22

BLOOD

Serotonin (5-hydroxytryptamine) in medullary thyroid carcinoma with or without pheochromocytoma. Engbaek F. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):469–73

CLASSIFICATION

The fine page. The dysplastic nevus syndrome––endocrine disease. Fine RM. **Int J Dermatol** 1985 Mar;24(2):97

Multiple parathyroid tumors: a statistical method for distinguishing multiple adenoma from hyperplasia. Allen TB. **J Theor Biol** 1985 Feb 7;112(3):479–92

COMPLICATIONS

A case of primary hyperparathyroidism, primary hyperaldosteronism and Cushing's disease. Herd GW. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):371–4

Multiple gastric carcinoids in a patient with a history of primary hyperparathyroidism. Alberti-Flor JJ, et al. **Am J Gastroenterol** 1985 Jul;80(7):531–4

Prevalence of diffuse pancreatic beta islet cell disease with hyperinsulinism: problems in recognition and management. Harrison TS, et al. **World J Surg** 1984 Aug;8(4):583–9

[Multiple endocrine neoplasms associated with Zollinger-Ellison syndrome and hyperparathyroidism] Tellaroli JC, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 Jul–Sep;20(4):199–201 (Eng. Abstr.) **(Fre)**

[Sipple's syndrome and prolactin adenoma manifested by cardiac failure (letter)] Bertrand JH, et al. **Presse Med** 1985 May 4;14(18):1035 **(Fre)**

[A case of Zollinger Ellison syndrome with associated multiple endocrine adenomatosis type I] Nishimura K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Apr;82(4):678–84 **(Jpn)**

[Multiple endocrine adenomatosis syndrome (MEA and Stein-Leventhal syndrome) complicated by duodenal ulcer hemorrhage] Borejszo I, et al. **Pol Arch Med Wewn** 1984 May;71(5):317–22 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Ultrasound diagnosis of C-cell carcinoma of the thyroid. Schwerk WB, et al. **Cancer** 1985 Feb 1;55(3):624–30

Register of multiple endocrine neoplasia type 2 syndromes in the United Kingdom. Ponder BA. **Henry Ford Hosp Med J** 1984;32(4):233-5

Multiple endocrine neoplasia type 2 syndromes in Japan. Takai S, et al. **Henry Ford Hosp Med J** 1984;32(4):246-50

Impact of screening on prognosis in the multiple endocrine neoplasia type 2 syndromes: natural history and treatment results in 105 patients. Telenius-Berg M, et al. **Henry Ford Hosp Med J** 1984;32(4):225-31

Prevalence of C-cell hyperplasia and medullary thyroid carcinoma in a consecutive series of pheochromocytoma patients. Jansson S, et al. **World J Surg** 1984 Aug; 8(4):493-500

[Diagnostic approach to medullary and related thyroid gland cancers. Management] Franc B, et al. **Ann Pathol** 1984 Dec; 4(5):393-8 (Eng. Abstr.) **(Fre)**

[Multiple endocrine neoplasia type 2b. Clinical, diagnostic and therapeutic aspects] Gardet P, et al. **Bull Cancer (Paris)** 1984;71(3):172-81 (Eng. Abstr.) **(Fre)**

[Problems posed by medullary cancer of the thyroid] Calmettes C. **Rev Med Interne** 1984 Nov;5(4):279-82 **(Fre)**

[Type II multiple endocrine neoplasia (Sipple syndrome): study of a family] Verdy M, et al. **Union Med Can** 1985 Jan;114(1):49-59 (Eng. Abstr.) **(Fre)**

[MEN I with involvement of 4 endocrine organs (letter)] Tébar Massó FJ, et al. **Med Clin (Barc)** 1985 Jan 19; 84(2):80-1 **(Spa)**

ETIOLOGY

Adenomatous polyposis coli and multiple endocrine neoplasia type 2b. A pathogenetic relationship. Perkins JT, et al. **Cancer** 1985 Jan 15;55(2):375-81

FAMILIAL & GENETIC

A genealogical study from an area of endemic degeneration. Křemenová J, et al. **Acta Univ Carol [Med] (Praha)** 1984; 30(1-2):43-63

Primary hyperparathyroidism in familial multiple endocrine neoplasia type I. Long-term follow-up of serum calcium levels after parathyroidectomy. Rizzoli R, et al. **Am J Med** 1985 Mar;78(3):467-74

A linkage study of multiple endocrine neoplasia type IIa. Ferrell RE, et al. **Cancer Genet Cytogenet** 1985 Feb 15; 15(3-4):315-9

Linkage data excluding a locus for multiple endocrine neoplasia type 2 syndromes from the distal part of the short arm of chromosome 11. Kidd KK, et al. **Henry Ford Hosp Med J** 1984;32(4):262-5

Central registration of multiple endocrine neoplasia type 2 families in the Netherlands. Lips CJ, et al. **Henry Ford Hosp Med J** 1984;32(4):236-7

The molecular basis of polypeptide hormone production by medullary thyroid cancer. Lips CJ, et al. **Henry Ford Hosp Med J** 1984;32(4):269-72

Research vistas in the multiple endocrine neoplasia syndromes. Mulvihill JJ. **Henry Ford Hosp Med J** 1984; 32(4):277-82

Genetic studies of multiple endocrine neoplasia type 2 syndromes: a workshop commentary. Simpson NE. **Henry Ford Hosp Med J** 1984;32(4):273-6

Chromosomes in multiple endocrine neoplasia type 2 syndromes. Van Dyke DL, et al. **Henry Ford Hosp Med J** 1984;32(4):266-8

A French Canadian family with multiple endocrine neoplasia type 2 syndromes. Verdy MB, et al. **Henry Ford Hosp Med J** 1984;32(4):251-3

Three cases in two families of multiple endocrine neoplasia (MEN) type IIa. Kishi N, et al. **Hiroshima J Med Sci** 1984 Dec;33(4):779-83

Variant multiple endocrine neoplasia I (MEN IBurin): further studies and non-linkage to HLA. Bear JC, et al. **Hum Hered** 1985;35(1):15-20

Preliminary report of a kindred affected from MEN IIa. Libroia A, et al. **J Endocrinol Invest** 1984 Oct;7(5):513-6

Multiple endocrine neoplasia type I [letter] Gough IR. **Med J Aust** 1985 May 27;142(11):619

Latent familial multiple endocrine neoplasia in Tasmania. Shepherd JJ. **Med J Aust** 1985 Apr 1;142(7):395-7

Chromosomal instability in medullary carcinoma of the thyroid. Samaan NA, et al. **World J Surg** 1984 Aug; 8(4):487-92

[Familial Sipple's syndrome. Reflections apropos of 4 cases and a survey on 26 members of a family] Pedinielli L, et al. **Chirurgie** 1984;110(4):380-9 (Eng. Abstr.) **(Fre)**

[Familial mucosal neuromatosis: a minor form of the MEN-2b syndrome] Valentines J, et al. **J Fr Ophtalmol** 1984;7(6-7):479-84 (Eng. Abstr.) **(Fre)**

[Familial mucosal neuromatosis: a minor form of multiple endocrine neoplasms II b?] Gómez Sáez JM, et al. **Med Clin (Barc)** 1985 Mar 30;84(12):489-91 (Eng. Abstr.) **(Spa)**

[Usefulness of calcitonin measurement for the diagnosis of medullary cancer of the thyroid in a family with multiple endocrine adenoma syndrome of type IIB] Pumarino H, et al. **Rev Med Chil** 1984 Jul;112(7):675-80 (Eng. Abstr.) **(Spa)**

HISTORY

The calcitonin assay and multiple endocrine neoplasia type 2 syndromes: historical footnote. Melvin KE. **Henry Ford Hosp Med J** 1984;32(4):223-4

Multiple endocrine neoplasia type 2 syndromes: historical perspectives. Sipple JH. **Henry Ford Hosp Med J** 1984; 32(4):219-21

OCCURRENCE

Finnish registry for familial adenomatosis coli. Järvinen HJ, et al. **Scand J Gastroenterol** 1984 Oct;19(7):941-6

PATHOLOGY

Alimentary tract ganglioneuromatosis-lipomatosis, adrenal myelolipomas, pancreatic telangiectasias, and multinodular thyroid goiter. A possible neuroendocrine syndrome. Hegstrom JL, et al. **Am J Clin Pathol** 1985 Jun;83(6):744-7

Medullary carcinoma of thyroid. Biologic behavior of the sporadic and familial neoplasm. Kakudo K, et al. **Cancer** 1985 Jun 15;55(12):2818-21

MEA III presenting as pheochromocytoma and complicating pregnancy and the puerperium. A case report. Epstein H, et al. **J Reprod Med** 1985 Jun;30(6):501-4

Re: Clinical value of tumor doubling estimations in multiple endocrine neoplasia type II [letter] Jackson CE. **Surgery** 1985 Jun;97(6):758

Clinical value of tumor doubling estimations in multiple endocrine neoplasia type II. Jackson CE, et al. **Surgery** 1984 Dec;96(6):981-7

MEN I pancreas: a histological and immunohistochemical study. Thompson NW, et al. **World J Surg** 1984 Aug; 8(4):561-74

[Paraganglioma with multiple endocrine adenomas] Schwesinger G, et al. **Z Gesamte Inn Med** 1984 Oct 1; 39(19):481-5 (Eng. Abstr.) **(Ger)**

[A case of multiple endocrine adenomatosis with atypical mesenteric localization of 2 gastrinomas] Fontana D, et al. **Minerva Chir** 1984 Sep 15;39(17):1165-70 (Eng. Abstr.) **(Ita)**

[A case of primary adenocarcinoma of the urinary bladder occurring in a patient with type 1 multiple endocrine adenomatosis (MEA)] Takasi M, et al. **Hinyokika Kiyo** 1985 Mar;31(3):499-506 (Eng. Abstr.) **(Jpn)**

[Multiple endocrine adenomatosis] Kalinin AP, et al. **Ter Arkh** 1984;56(10):136-41 (102 ref.) **(Rus)**

[Asymptomatic bilateral pheochromocytoma as part of a multiple endocrine neoplasm type II-b picture] Verdejo J, et al. **Rev Esp Anestesiol Reanim** 1985 May-Jun; 32(3):130-2 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

The radiologic features of multiple endocrine neoplasia types IIA and IIB. Dodd GD. **Semin Roentgenol** 1985 Jan; 20(1):64-90 (21 ref.)

Men I syndrome and islet cell lesions of the pancreas. Dodds WJ, et al. **Semin Roentgenol** 1985 Jan;20(1):17-63 (198 ref.)

Multiple endocrine syndromes--a nightmare for the endocrinologic radiologist. Doppman JL. **Semin Roentgenol** 1985 Jan;20(1):7-16 (22 ref.)

RADIONUCLIDE IMAGING

Scintigraphy with I-131 MIBG as an aid to the treatment of pheochromocytomas in patients with the multiple endocrine neoplasia type 2 syndromes. Sisson JC, et al. **Henry Ford Hosp Med J** 1984;32(4):254-61

Iodine-131 metaiodobenzylguanidine for the locating of suspected pheochromocytoma: experience in 400 cases. Shapiro B, et al. **J Nucl Med** 1985 Jun;26(6):576-85

[Medullary cancer of the thyroid in type IIB multiple endocrine neoplasia. Uptake of meta-iodo-benzylguanidine labeled with iodine 131 (letter)] Chamouard P, et al. **Presse Med** 1985 Jun 22;14(25):1387 **(Fre)**

SECRETION

Gastric secretion and hormonal interactions in multiple endocrine neoplasia type I. Gogel HK, et al. **Arch Intern Med** 1985 May;145(5):855-9

Dopamine control of prolactin secretion in multiple endocrine neoplasia type I. Dornan J, et al. **Clin Invest Med** 1984;7(3):161-4

SURGERY

Surgical management of hyperinsulinism in the multiple endocrine neoplasia, type 1 syndrome. Rasbach DA, et al. **Arch Surg** 1985 May;120(5):584-9

Bilateral subtotal adrenal resection for bilateral pheochromocytomas in multiple endocrine neoplasia, type IIa: a case report. van Heerden JA, et al. **Surgery** 1985 Aug;98(2):363-6

Surgical management of the adrenal glands in the multiple endocrine neoplasia type II syndrome. van Heerden JA, et al. **World J Surg** 1984 Aug;8(4):612-21

[Enucleation of five islet-cell tumors in multiple endocrine neoplasia type I: a case report] Kasahara Y, et al. **Nippon Geka Hokan** 1984 May 1;53(3):527-35 (Eng. Abstr.) **(Jpn)**

THERAPY

Multiple endocrine neoplasia syndromes. Lips CJ, et al. **CRC Crit Rev Oncol Hematol** 1984;2(2):117-84 (494 ref.)

NEOPLASMS, MULTIPLE PRIMARY

Gastric carcinoma associated with other malignant tumours. Molnár L, et al. **Acta Chir Hung** 1985;26(1):19-26

Double tumours of the appendix: a rare entity. A case report. Sjövall S, et al. **Acta Chir Scand** 1985;151(3):297-8

Myocardial angiolipoma. Kiaer HW. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jul; 92(4):291-2

Multiple primary malignancy as a model for the study of cancer occurrence in rheumatoid arthritis. Grufferman S. **Am J Med** 1985 Jan 21;78(1A):65-8

Localized orbital neurofibromas. Krohel GB, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):458-64

Hematologic malignancies associated with primary mediastinal germ-cell tumors. Nichols CR, et al. **Ann Intern Med** 1985 May;102(5):603-9

Intraocular extension of optic nerve meningioma in a case of neurofibromatosis. Cibis GW, et al. **Arch Ophthalmol** 1985 Mar;103(3):404-6

Rhabdomyosarcoma in a patient treated for metastatic germ cell tumour of the testis containing teratoma--a case report. Haines IE, et al. **Aust NZ J Surg** 1985 Apr;55(2):141-3

Hairy cell leukemia associated with carcinoma: report of two patients and review of the literature. Or R, et al. **Blut** 1985 May;50(5):299-301

Endometrial cancer following treatment for breast cancer: a case-control study in Denmark. Ewertz M, et al. **Br J Cancer** 1984 Nov;50(5):687-92

Secondary acute myeloid leukaemia: a heterogeneous entity? Sheehan T, et al. **Br J Haematol** 1985 Jan;59(1):192-3

The association of extracranial and intracranial vascular malformations in children. Pascual-Castroviejo I. **Can J Neurol Sci** 1985 May;12(2):139-48

Beware of breast fibroadenomas in middle-aged women. Deschênes L, et al. **Can J Surg** 1985 Jul;28(4):372-4

Lung cancer following therapy for Hodgkin's disease. Oliphant L, et al. **Can Med Assoc J** 1985 Mar 1;132(5):533-5

Bilaterality in familial breast cancer patients. Anderson DE, et al. **Cancer** 1985 Oct 15;56(8):2092-8

Breast cancer developing in four women cured of Hodgkin's disease. Carey RW, et al. **Cancer** 1984 Nov 15; 54(10):2234-6

Acute nonlymphocytic leukemia following gastric adenocarcinoma treated by surgery alone. Evidence for etiologic heterogeneity of 'secondary' leukemias. Haubenstock A, et al. **Cancer** 1985 Oct 15;56(8):2069-73

Second malignancies in hairy cell leukemia. Jacobs RH, et al. **Cancer** 1985 Sep 15;56(6):1462-7

Multiple primary tumors in association with prostatic cancer. Liskow AS, et al. **Cancer** 1984 Dec 1;54(11):2549-55

Adrenal adenomas and adrenal carcinomas in association with hereditary adenomatosis of the colon and rectum. Painter TA, et al. **Cancer** 1985 May 1;55(9):2001-4

Non-Hodgkin's lymphoma after successful therapy of small cell lung carcinoma. Weiss RB, et al. **Cancer Chemother Pharmacol** 1985;14(1):9-11

Sister chromatid exchanges induced by cancer chemotherapeutic agents in vitro and in vivo: consideration of the hazard of drugs as possible mutagens and carcinogens causing second malignancies. Abe T, et al. **Cancer Treat Rep** 1985 May;69(5):505-14

Neurofibromatosis and malignancy. Warrier RP, et al. **Clin Pediatr (Phila)** 1985 Oct;24(10):584-5

The risk of developing rectal cancer after colectomy and ileorectal anastomosis in Danish patients with polyposis coli. Bülow S. **Dis Colon Rectum** 1984 Nov;27(11):726-9

Lymphangiosarcoma of the edematous thigh after radiation therapy for carcinoma of the vulva. Huey GR, et al. **Gynecol Oncol** 1985 Mar;20(3):394-401

Transitional cell carcinoma in a pelvic kidney associated with recurrent lung cancer. Terai A, et al. **Hinyokika Kiyo** 1984 Nov;30(11):1641-4

Pleuritic pain, cough long after Hodgkin's. Musher DM, et al. **Hosp Pract [Off]** 1985 Jul 15;20(7):159, 162-3

Juvenile hyaline fibromatosis. Yesudian P, et al. **Int J Dermatol** 1984 Nov;23(9):619-20

The phakomatoses. Beck RW, et al. **Int Ophthalmol Clin** 1985 Spring;25(1):97-116

Hypertrichosis lanuginosa acquisita associated with multiple malignancies [letter] Kassis V, et al. **J Am Acad Dermatol** 1985 Jun;12(6):1106-7

Metastatic squamous cell carcinoma of the skin occurring in a lymphomatous lymph node. Mora RG. **J Am Acad Dermatol** 1985 Mar;12(3):571-5

Dysplastic nevus syndrome with multiple primary amelanotic melanomas in oculocutaneous albinism. Pehamberger H, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 2):731-5

Multiple myeloma: with extra-medullary lesions. Bhattacharya SK, et al. **J Assoc Physicians India** 1984 Jun; 32(6):523-5

CO2 laser treatment of trichoepithelioma with focused and defocused beam. Sawchuk WS, et al. **J Dermatol Surg Oncol** 1984 Nov;10(11):905-7

A study of second malignant neoplasm. Sharma M, et al. **J Indian Med Assoc** 1984 Aug;82(8):274-6

Histogenesis of adenomatoid tumour associated to pseudofibromatous periorchitis in an infant with hydrocele. Nistal M, et al. **J Pathol** 1984 Dec;144(4):275-80

Synchronous multiple primary malignant neoplasms of the breast, colon and vulva. A case report. Deppe G, et al. **J Reprod Med** 1984 Dec;29(12):878-80

NEWARK PUBLIC LIBRARY

Rapid development of myeloma in a patient with Hodgkin's disease. Dorn GW, et al. **J SC Med Assoc** 1984 Dec; 80(12):599–600

Carcinoma of the thoracic esophagus—long-term survival. Ferrara BE. **J SC Med Assoc** 1984 Dec;80(12):591–2

Acute leukaemia following malignant ependymoma: a case report. Pai MR, et al. **J Surg Oncol** 1985 May;29(1):1–4

Thymolipoma in association with Hodgkin's disease. Pillai R, et al. **J Thorac Cardiovasc Surg** 1985 Aug;90(2):306–8

Upper urinary tract transitional cell carcinoma in patients with bladder carcinoma and associated vesicoureteral reflux. Amar AD, et al. **J Urol** 1985 Mar;133(3):468–71

Multifocal carcinoids of stomach [letter] **Lancet** 1985 Jun 1;1(8440):1272

Brush cytology for the early detection of esophageal carcinoma among patients with upper aerodigestive malignancies. Dowlatshahi K, et al. **Laryngoscope** 1985 Aug;95(8):971–5

Simultaneous presentation of relapsing Hodgkin's disease and treatment-related non-Hodgkin's lymphoma. Perri RT, et al. **Med Pediatr Oncol** 1985;13(3):122–5

Pheochromocytoma, renal artery stenosis, and lymphocytic lymphoma associated with von Recklinghausen's neurofibromatosis. Case report and literature review. Kremen AF, et al. **Minn Med** 1985 Feb;68(2):99–101

Coexistence of ovarian neoplasms and endocervical adenocarcinoma. Kaminski PF, et al. **Obstet Gynecol** 1984 Oct;64(4):553–6

Leiomyosarcoma of the nose and paranasal sinuses. Josephson RL, et al. **Otolaryngol Head Neck Surg** 1985 Apr; 93(2):270–4

Teratoma and rhabdomyosarcoma [letter] Heifetz SA. **Pediatr Pathol** 1984;2(2):245

A mesothelioma presenting with multicentric reticulohistiocytosis. Honeybourne D, et al. **Postgrad Med J** 1985 Jan;61(711):57–9

The spectrum of polyposis. Sener SF, et al. **Surg Gynecol Obstet** 1984 Dec;159(6):525–32

Multiple spinal hemangioblastomas in a case of Lindau's disease. Böker DK, et al. **Surg Neurol** 1984 Nov; 22(5):439–43

Non-Hodgkin lymphoma arising in lower urinary tract. Heaney JA, et al. **Urology** 1985 May;25(5):479–84

Primary carcinoid tumor of testis with metastasis. Kaufman JJ, et al. **Urology** 1985 May;25(5):534–6

Intra-abdominal seminomas in persistent müllerian duct syndrome. Kazim E. **Urology** 1985 Sep;26(3):290–2

[Multicentric giant-cell tumor of bone (a report of 5 cases)] Duan CX. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Apr; 19(2):76–8 (Eng. Abstr.) **(Chi)**

[Generalized hemangiomatosis in relation to the synovial membrane] Janeček M, et al. **Acta Chir Orthop Traumatol Cech** 1985 Apr;52(2):155–60 (Eng. Abstr.) **(Cze)**

[Neurogenic tumors and pseudotumors of the hand] Rozhold O, et al. **Rozhl Chir** 1984 Sep;63(8–9):623–5 (Eng. Abstr.) **(Cze)**

[Lymphangiosarcoma of the lyphedematous arm following breast amputation (Stewart-Treves syndrome)] Heevel JG, et al. **Ned Tijdschr Geneeskd** 1985 Jun 1;129(22):1054–6 (Eng. Abstr.) **(Dut)**

[Ovarian cancer 5 years after hysterectomy with adnexectomy for a benign lesion. Apropos of a case] Marouteau D. **J Gynecol Obstet Biol Reprod (Paris)** 1985; 14(2):201–3 (Eng. Abstr.) **(Fre)**

[Mediastinal choriocarcinoma in acute myeloblastic leukemia (letter)] Bove V, et al. **Presse Med** 1985 Apr 27;14(17):979 **(Fre)**

[Clinicopathological study of breast cancers associated with other primary cancers] Yokoe T, et al. **Gan No Rinsho** 1984 Dec;30(15):1883–91 (Eng. Abstr.) **(Jpn)**

[A case of bilateral testicular germ cell tumors of different cell types with maturation in the metastatic region] Asano S, et al. **Hinyokika Kiyo** 1984 Sep;30(9):1285–92 (Eng. Abstr.) **(Jpn)**

[Synchronous tumors in right renal pelvis and left ureter] Morikawa M, et al. **Hinyokika Kiyo** 1985 Apr;31(4):655–63 (Eng. Abstr.) **(Jpn)**

[A case report of multiple pulmonary hamartoma with spontaneous pneumothorax] Kitano M, et al. **Kyobu Geka** 1984 Aug;37(8):635–9 (Eng. Abstr.) **(Jpn)**

[Left atrial myxoma growing into the right atrium with two separate lesions in the left atrium—a case report] Oka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Mar; 33(3):369–73 (Eng. Abstr.) **(Jpn)**

[A case of cholesterol pneumonitis] Tashiro T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Nov; 22(11):1046–50 (Eng. Abstr.) **(Jpn)**

[A case of pernicious anemia complicated with multiple gastric carcinoids] Hoshiyama M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Nov;81(11):2803–7 **(Jpn)**

[Eosinophilia and hepatocellular carcinoma associated with von Recklinghausen's disease] Komai K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):3019–22 **(Jpn)**

[A family of von Recklinghausen's neurofibromatosis complicated by mononeuritis multiplex, bilateral acoustic neurinomas, and falx and spinal meningiomas] Mori M, et al. **No To Shinkei** 1985 Apr;37(4):403–8 (Eng. Abstr.) **(Jpn)**

[Von Recklinghausen neurofibromatosis complicated with aqueductal stenosis. Report of two adult cases] Kawano H, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):336–41 (Eng. Abstr.) **(Jpn)**

[Multifocal cancer of the large intestine] Badowski B, et al. **Pol Tyg Lek** 1985 Apr 8–15;40(14–15):423–4 (Eng. Abstr.) **(Pol)**

[B-cell lymphocytic leukemia and multiple myeloma in a patient] Iavorkovskiĭ LI, et al. **Gematol Transfuziol** 1985 Apr;30(4):57–9 **(Rus)**

[Case of simultaneous tumors of the stomach with differing histogenesis] Geshelin SA. **Klin Khir** 1984 Oct;(10):73–4 **(Rus)**

[Itsenko-Cushing syndrome in lung cancer] Rubaĭ IN, et al. **Klin Med (Mosk)** 1984 Dec;62(12):94–5 **(Rus)**

[rare variant of complex neurocristopathy in a child] Nepomniashchaia KV. **Pediatriia** 1985 Mar;(3):72 **(Rus)**

[Primary multiple cancer of the rectum] Bobrov MIa, et al. **Sov Med** 1984;(12):86–7 **(Rus)**

[Endometriosis and genital carcinoma] Stoiljković C. **Jugosl Ginekol Opstet** 1984 Sep–Dec;24(5–6):102–3 (Eng. Abstr.) **(Scr)**

[Double primary neoplasms in the respiratory tract] Oteo Ochoa LA, et al. **Rev Clin Esp** 1984 May 31;173(4):215–7 (Eng. Abstr.) **(Spa)**

ANALYSIS

Quantitative x ray microanalysis of pulmonary mineral particles in a patient with pneumoconiosis and two primary lung tumours. Anttila S, et al. **Br J Ind Med** 1984 Nov; 41(4):468–73

[Immunoblastic sarcoma in an IgM myeloma with the appearance of a second monoclonal component] Juliá A, et al. **Sangre (Barc)** 1985;30(3):355–62 (Eng. Abstr.) **(Spa)**

BLOOD

Abnormal lymphocyte response to u.v. radiation in multiple skin cancer. Munch-Petersen B, et al. **Carcinogenesis** 1985 Jun;6(6):843–5

X-ray and UV-radiation sensitivity of circulating lymphocytes in multiple epidermal cancer in relation to previous radiation exposure. Munch-Petersen B, et al. **Radiat Res** 1985 Sep;103(3):432–40

[Acute lymphoblastic leukemia L3 in Hodgkin's disease in remission: primary or secondary leukosis?] Musto P, et al. **Recenti Prog Med** 1985 Apr;76(4):194–8 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Skin cancer in renal transplant patients treated with cyclosporin [letter] Thompson JF, et al. **Lancet** 1985 Jan 19;1(8421):158–9

Second malignant neoplasms in operable carcinoma of the breast. Holdener EE, et al. **Recent Results Cancer Res** 1984; 96:188–96

[Arsenic-induced, multifocal basalioma as the cause of a chronic leg ulcer] Schroeder P, et al. **Fortschr Med** 1984 Nov 29;102(44):1128–30 (Eng. Abstr.) **(Ger)**

[Paraneoplastic multicentric reticulohistiocytosis: induced and inductable by iodine containing x-ray contrast media] Bork K, et al. **Z Hautkr** 1985 May 1;60(9):729–36 (Eng. Abstr.) **(Ger)**

[Experimental multiple primary malignant tumors induced by chemical carcinogen] Ohta A. **Gan No Rinsho** 1984 Sep; 30(12 Suppl):1475–88 (Eng. Abstr.) **(Jpn)**

[Carcinogenic effect of a heavy catalytic gas oil] Karimov MA, et al. **Vopr Onkol** 1984;30(12):40–5 (Eng. Abstr.) **(Rus)**

[Hepatic angiosarcoma and cholangiocarcinoma in a patient with thorotrast deposits] Gras Borrell A, et al. **Med Clin (Barc)** 1985 Mar 9;84(9):363–5 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Oncogenic osteomalacia and renal adenomatoid dysplasia [letter] Lustman F, et al. **Ann Intern Med** 1985 Jun; 102(6):869–70

Multicentric sclerosing osteosarcoma—a rare cause of cranial nerve palsy. Lam KS, et al. **Clin Oncol** 1984 Sep; 10(3):281–7

Multiple tumor incidence in patients with rheumatoid arthritis or allied disorders. Hakulinen T, et al. **J Chronic Dis** 1985; 38(9):775–9

Multifocal gastric carcinoid tumours, achlorhydria, and hypergastrinaemia. Harvey RF, et al. **Lancet** 1985 Apr 27; 1(8435):951–4

[Nontraumatic gas gangrene in a patient with several malignant diseases] van de Wiel TW, et al. **Ned Tijdschr Geneeskd** 1985 May 25;129(21):1008–10 (Eng. Abstr.) **(Dut)**

[Multiple chondromas—healing following a pathological fracture] Döhler JR. **ROFO** 1984 Dec;141(6):716–7 **(Ger)**

[Thrombosis of a St. Jude Medical valve in malignant lymphoma and extensive blood vessel malformation] Görlach G, et al. **Z Kardiol** 1985 Feb;74(2):117–20 (Eng. Abstr.) **(Ger)**

[Case of massive gastrointestinal hemorrhage with coexistent symptoms of 'acute abdomen' caused by multifocal malignant lymphoma of the small intestine] Bernat M, et al. **Wiad Lek** 1985 Jan 1;38(1):63–6 (Eng. Abstr.) **(Pol)**

[Multiple lymphosarcoma of the small intestine as the cause of profuse intestinal hemorrhage] Iakovenko LV, et al. **Klin Khir** 1985 May;(5):55 **(Rus)**

[Invagination of the stomach into the duodenum as a complication of multiple polyposis] Usanov AP, et al. **Vestn Khir** 1985 Feb;134(2):61 **(Rus)**

[Report of a patient with liver angioma, tubular adenoma and a kidney cyst] Buljevac M, et al. **Vojnosanit Pregl** 1985 May–Jun;42(3):223–5 **(Scr)**

[Association of cutaneous mastocytosis with acute leukemia and adenocarcinoma] Ribera JM, et al. **Sangre (Barc)** 1985; 30(1):52–7 **(Spa)**

CONGENITAL

Cutaneous bronchogenic cyst with papilloma and sinus presentation. Miller OF 3d, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 2):367–71

Congenital papillated apocrine cystadenoma: a mixed form of hidrocystoma, hidradenoma papilliferum, and syringocystadenoma papilliferum. Schewach-Millet M, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 2):374–6

[Encephalocraniocutaneous lipomatosis and linear naevus sebaceus] Schlack HG, et al. **Monatsschr Kinderheilkd** 1985 Apr;133(4):235–7 (Eng. Abstr.) **(Ger)**

[Multiple congenital fibromatosis] López Sánchez C, et al. **An Esp Pediatr** 1984 Oct 31;21(6):616–8 **(Spa)**

DIAGNOSIS

Female urethral carcinoma: MRI staging. Fisher M, et al. **AJR** 1985 Mar;144(3):603–4

Multifocal granular cell tumors of the gastrointestinal tract. Fried KS, et al. **Am J Gastroenterol** 1984 Oct;79(10):751–5

Cushing's syndrome produced by bronchial carcinoid associated with hypophyseal adenoma. Morán C, et al. **Arch Invest Med (Mex)** 1985 Jan–Mar;16(1):111–8 **(Eng, Spa)**

Multiple primary epidermoid carcinomas of the upper aerodigestive tract. Shons AR, et al. **Arch Surg** 1985 Sep; 120(9):1007–9

Malignant melanoma, evaluation of clinical follow up by questionnaire survey. Regan MW, et al. **Br J Plast Surg** 1985 Jan;38(1):11–4

Synchronous and metachronous malignancies of the colon and rectum in Japan with special reference to a coexisting early cancer. Kaibara N, et al. **Cancer** 1984 Nov 1; 54(9):1870–4

Double early epidermoid carcinoma of the esophagus in columnar epithelium. Resano CH, et al. **Endoscopy** 1985 Mar;17(2):73–5

Importance of early diagnosis and follow-up in multiple endocrine neoplasia (MEN II B). Frank K, et al. **Eur J Pediatr** 1984 Dec;143(2):112–6

Disseminated Burkitt's lymphoma: a case report. Thapa BR, et al. **Indian J Cancer** 1984 Sep–Oct;21(4):126–9

Teratomas of the head and neck in infancy and childhood. Mills RP, et al. **Int J Pediatr Otorhinolaryngol** 1984 Dec; 8(2):177–80

Stroke due to atrial myxoma in a young woman with co-existing acoustic neuroma and pituitary adenoma [letter] Gorman P, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul; 48(7):718–9

Osteosarcoma of bladder 27 years after local radiotherapy. Ferrie BG, et al. **J R Soc Med** 1984 Nov;77(11):962–3

Carcinoma of the adrenal cortex. Paes TR, et al. **J R Soc Med** 1985 May;78(5):408–9

Multiple primary cancers in the same patient: case reports and a review of the literature. Fulmer JS, et al. **J SC Med Assoc** 1985 Jan;81(1):13–8

The echocardiographic diagnosis of multiple fetal cardiac tumors. Dennis MA, et al. **J Ultrasound Med** 1985 Jun; 4(6):327–9

Cervicomedullary junction tumor diagnosed by nuclear magnetic resonance scanning: case report. Kaufman BA, et al. **Neurosurgery** 1984 Dec;15(6):878–80

Multiple pilomatricomas (calcifying epitheliomas of Malherbe). Schlechter R, et al. **Pediatr Dermatol** 1984 Jul; 2(1):23–5

Multiple benign mesenchymomata of the chest wall. Oakley RH, et al. **Pediatr Radiol** 1985;15(1):58–60

Renal and hepatic angiomyolipoma. Kreel L. **Postgrad Med J** 1985 Apr;61(714):325–7

A patient with six primary carcinomata. La Ferla G, et al. **Postgrad Med J** 1984 Oct;60(708):687–8

[Development of endometrial cancer in a case of estrogen producing granulosa cell tumor] Andersen J, et al. **Ugeskr Laeger** 1984 May 21;146(21):1571 (Eng. Abstr.) **(Dan)**

[Primary squamous cell carcinoma of the uterus] Duun S, et al. **Ugeskr Laeger** 1984 Oct 22;146(43):3289 (Eng. Abstr.) **(Dan)**

[Carcinoid tumor of the ampulla of Vater and Recklinghausen's neurofibromatosis] Boissonnas A, et al. **Ann Med Interne (Paris)** 1985;136(1):46–8 (Eng. Abstr.) **(Fre)**

[Multiple duodenojejunal adenocarcinoma in a 9-year-old child] Benz-Lemoine E, et al. **Ann Pediatr (Paris)** 1984 Oct 15;31(9):783–6 (Eng. Abstr.) **(Fre)**

[Spontaneous hyphema symptomatic of a microhemangioma of the pupillary border] Prost F, et al. **Bull Soc Ophtalmol Fr** 1983 Dec;83(12):1383–5 (Eng.

Abstr.) **(Fre)**

[Ultrasonic diagnosis of renal lymphoma in children. A series of 18 cases] Hamdouch M, et al. **J Radiol** 1985 Mar; 66(3):209–13 (Eng. Abstr.) **(Fre)**

[Pancreatic and bronchial anaplastic cancer (letter)] Seibert R, et al. **Presse Med** 1985 Jun 8;14(23):1291 **(Fre)**

[Bilateral meningiomas of the optic nerves associated with partial unilateral Duane's syndrome] Rohr J, et al. **Rev Neurol (Paris)** 1984;140(11):637–41 (Eng. Abstr.) **(Fre)**

[Oculocerebral reticulum cell sarcoma] Witschel H, et al. **Fortschr Ophthalmol** 1984;81(4):353–5 (Eng. Abstr.) **(Ger)**

[2 basaliomas of the lower leg in a 60–year–old female––one of them simulating ulcus cruris] Keilig W, et al. **Hautarzt** 1984 Oct;35(10):546–9 (Eng. Abstr.) **(Ger)**

[Multiple glomus tumors] Piechowiak H, et al. **Internist (Berlin)** 1984 Nov;25(11):709–11 **(Ger)**

[Course of malignant histiocytosis] Trinkmann R. **Ophthalmologica** 1984;189(4):177–9 (Eng. Abstr.) **(Ger)**

[Internal medicine case report. Hypoglycemia] Baumgart P, et al. **Schweiz Rundsch Med Prax** 1984 Dec 4;73(49):1521–4 (Eng. Abstr.) **(Ger)**

[Multifocal hemangioma of the bladder. A problem in pediatric neurology] Rühr D, et al. **Urologe [Ausg A]** 1985 Mar;24(2):110–3 (Eng. Abstr.) **(Ger)**

[Lipoma of the left ventricle and insulinoma of the pancreas] Goebel N, et al. **Z Kardiol** 1984 Dec;73(12):792–5 (Eng. Abstr.) **(Ger)**

[Blue rubber bleb nevus syndrome from the orthopedic viewpoint] van den Eeden F, et al. **Z Orthop** 1984 Nov–Dec;122(6):860–2 (Eng. Abstr.) **(Ger)**

[IgM/kappa–immunoblastoma of the brain following Hodgkin's disease. Report on a clinical case and review of literature] Gerlach H, et al. **Zentralbl Allg Pathol** 1984; 129(4):343–56 (Eng. Abstr.) **(Ger)**

[Multiple neurinomas of the facial nerve: considerations on a case and review of the literature] Casolino D, et al. **Acta Otorhinolaryngol Ital** 1984 Jan–Feb;4(1):93–103 (Eng. Abstr.) **(Ita)**

[Combined approach in a radical surgical method for esophageal tumors of median and superior thoracic locations. Presentation of a case] Emanuelli G, et al. **Minerva Med** 1985 Feb 28;76(8):363–5 **(Ita)**

[Choriocarcinoma and teratoma of the retroperitoneum––immunohistochemical investigation] Kataoka H, et al. **Rinsho Byori** 1985 Feb;33(2):211–6 **(Jpn)**

[Triple cancer in the stomach] Asai E, et al. **Rinsho Hoshasen** 1985 Feb;30(2):269–74 (Eng. Abstr.) **(Jpn)**

[Multifocal form of squamous cell carcinoma of the vulva and cervix uteri] Kłyszejko C, et al. **Ginekol Pol** 1984 Jul; 55(7):523–5 (Eng. Abstr.) **(Pol)**

[Bilateral breast cancer. A clinical problem] Kułakowski A, et al. **Nowotwory** 1984 Apr–Jun;34(2):125–33 (Eng. Abstr.) **(Pol)**

[Primary cancers of kidney pelvis and ureter] Pilch M, et al. **Nowotwory** 1985 Jan–Mar;35(1):81–8 (Eng. Abstr.) **(Pol)**

[Coexistence of lung cancer with other malignant neoplasms] Michalski A, et al. **Pneumonol Pol** 1985 Mar;53(3):137–42 (Eng. Abstr.) **(Pol)**

[Histoclinical evaluation of adnexal endometriosis] Kelm R. **Wiad Lek** 1984 Apr 1;37(7):522–6 (Eng. Abstr.) **(Pol)**

[Multiple synchronous cancers of the colon and rectum] Simici P, et al. **Rev Chir [Chir]** 1984 Nov–Dec;33(6):401–8 (Eng. Abstr.) **(Rum)**

[Multiple primary malignant tumors of the respiratory organs (review of the literature)] Chissov VI, et al. **Khirurgiia (Mosk)** 1985 Apr;(4):142–9 (77 ref.) **(Rus)**

[Multiple primary cancer of the large intestine associated with chemical burn of the rectum] Smirnov VE, et al. **Klin Khir** 1985 Feb;(2):47–8 **(Rus)**

[Clinical manifestations of multiple polyps of the large intestine] Nikitin AM, et al. **Klin Med (Mosk)** 1984 Oct; 62(10):89–92 (Eng. Abstr.) **(Rus)**

[The problem of dermatomyositis in patients with primary multiple malignant tumors] Tareev EM, et al. **Klin Med (Mosk)** 1985 Jun;63(6):41–4 **(Rus)**

[Difficulties and mistakes in the diagnosis of multiple primary tumors of the large intestine] Linchenko VI. **Vestn Khir** 1984 Nov;133(11):120–4 **(Rus)**

[Rare case of a primary multiple neoplastic process with 5 sites of malignant and benign tumors] Kazanin VI. **Vopr Onkol** 1984;30(10):87–8 **(Rus)**

[Differential diagnosis of primary and metastatic ovarian tumors in patients treated for breast cancer] Livshits MA, et al. **Vopr Onkol** 1985;31(3):63–8 (Eng. Abstr.) **(Rus)**

[A case of pulmonary adenomatosis] Alekseeva IP. **Vrach Delo** 1985 Jun;(6):47–8 **(Rus)**

[Association of lung cancer with adenoma of the adrenal cortex] Rubaĭ IN, et al. **Vrach Delo** 1985 Jun;(6):46–7 **(Rus)**

[Association of carcinoma of the breast and meningioma] Carrión Galindo JR, et al. **Med Clin (Barc)** 1984 Oct 20; 83(12):504–6 (Eng. Abstr.) **(Spa)**

[Primary retroperitoneal tumor (Dominici's mesenchymoma) associated with leiomyoma of the sigmoid, a phyllodes tumor of the breast and uterine myomatosis] de Juan Martín M, et al. **Rev Esp Enferm Apar Dig** 1984 Aug;66(2):165–70 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Chemotherapy–induced remission in a patient with small cell carcinoma of the lung and hairy cell leukemia. Kuebler JP, et al. **Cancer** 1985 Jun 15;55(12):2758–60

Metachroneus appearance of bilateral germ cell tumours despite chemotherapy [letter] Canney PA, et al. **Eur J Surg Oncol** 1985 Jun;11(2):199–200

Oral isotretinoin therapy for familial Muir–Torre syndrome. Spielvogel RL, et al. **J Am Acad Dermatol** 1985 Mar; 12(3):475–80

[Cowden's disease: efficacy of etretinate on cutaneous and digestive manifestations] Thivolet J, et al. **Ann Dermatol Venereol** 1984;111(11):1017–8 **(Fre)**

[Multiple reticulohistiocytoma successfully treated with prospidin and prednisolone] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1985 May;(5):24–7 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Neurocrest and colonic tumors: new clinical syndrome. Report of three cases. Wade JL 3d, et al. **Am J Med** 1984 Oct;77(4):725–8

ETIOLOGY

Two different primary lung malignancies after a successful kidney transplantation. Forslund T, et al. **Acta Radiol [Oncol]** 1984;23(6).411–4

Malignant lymphoma presenting as Kaposi's sarcoma in a homosexual man with the acquired immunodeficiency syndrome. Lind SE, et al. **Ann Intern Med** 1985 Mar; 102(3):338–40

Bilateral breast cancer and radiotherapy for asthma [letter] Love RR, et al. **Ann Intern Med** 1985 Jan;102(1):132–3

Second primary tumours [editorial] Kingston JE. **Arch Dis Child** 1985 Aug;60(8):695–7

Nodular malignant melanoma and multiple squamous cell carcinomas in a patient treated by photochemotherapy for psoriasis. Kemmett D, et al. **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1498

Second cancers following antineoplastic therapy. Dorr FA, et al. **Curr Probl Cancer** 1985 Feb;9(2):1–43 (108 ref.)

Basal cell carcinoma and breast carcinoma following repeated fluoroscopic examinations of the chest. Myskowski PL, et al. **Int J Dermatol** 1985 Mar;24(2):122–3

Multiple primary malignancies [letter] Hoffman RS, et al. **J Clin Oncol** 1984 Nov;2(11):1305

Second malignant neoplasms in children: an update from the Late Effects Study Group. Meadows AT, et al. **J Clin Oncol** 1985 Apr;3(4):532–8

Association of second primary leukemias with the method of treatment of the first primary cancer. Fujimoto I, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:265–70

Multiple primary cancer and its risk factors in the Aichi Cancer Registry. Kato I, et al. **Jpn J Clin Oncol** 1985 Apr; 15 Suppl 1:255–64

DNA repair and its possible involvement in the origin of multiple cancer. Takebe H, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:299–305

Multiple primary neoplasms and tumor diathesis. Bierman HR. **Mt Sinai J Med (NY)** 1985 Jun;52(6):435–42

Malignant inflammatory fibrous histiocytoma of bone and acute lymphoblastic leukaemia. Woodcock BE, et al. **Postgrad Med J** 1985 Jul;61(717):631–3

An unusual case of multiple malignancy in an adult. Weis Bjerrum O, et al. **Tumori** 1984 Dec 31;70(6):575–7

[Bone sarcoma and malignant tumors of the retina] Schlienger P, et al. **Bull Cancer (Paris)** 1985;72(1):16–24 (Eng. Abstr.) **(Fre)**

[Multiple basalioma in an asphalt–laying worker] Tsyrkunov LP. **Vestn Dermatol Venerol** 1985 Feb;(2):48–51 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Cowden's disease in three siblings: electron–microscope and immunological studies. Halevy S, et al. **Acta Derm Venereol (Stockh)** 1985;65(2):126–31

The sarcoma, breast cancer, lung cancer, and adrenocortical carcinoma syndrome revisited. Childhood cancer. Lynch HT, et al. **Am J Dis Child** 1985 Feb;139(2):134–6

Macrocephaly with hamartomas: Bannayan–Zonana syndrome. Miles JH, et al. **Am J Med Genet** 1984 Oct; 19(2):225–34

Time and type of prophylactic surgery for familial adenomatosis coli. Järvinen HJ. **Ann Surg** 1985 Jul; 202(1):93–7

Familial multiple trichodiscomas. A clinicopathologic study. Starink TM, et al. **Arch Dermatol** 1985 Jul;121(7):888–91

Fanconi's anemia, medulloblastoma, Wilms' tumor, horseshoe kidney, and gonadal dysgenesis. de Chadarévian JP, et al. **Arch Pathol Lab Med** 1985 Apr;109(4):367–9

Pancreatic carcinoma and hereditary nonpolyposis colorectal cancer: a family study. Lynch HT, et al. **Br J Cancer** 1985 Aug;52(2):271–3

Cytogenetic studies in a patient with porokeratosis of Mibelli, multiple cancers and a forme fruste of Werner's syndrome. Machino H, et al. **Br J Dermatol** 1984 Nov;111(5):579–86

Small bowel cancers, B–cell lymphatic leukemia, and six primary cancers with metastases and prolonged survival in the cancer family syndrome of Lynch. Love RR. **Cancer** 1985 Feb 1;55(3):499–502

Immunoblastic lymphoma following Hodgkin's disease: a case report with translocation t(8;14) in tumoral cells and sporadic t(7;14) in peripheral lymphocytes. Aurias A, et al. **Cancer Genet Cytogenet** 1985 Sep;18(1):55–63

Chromosome damage and sister chromatid exchanges in lymphocyte cultures from patients with two primary cancers. Brown T, et al. **Cancer Genet Cytogenet** 1985 May; 17(1):35–42

Chromosome changes in a secondary lymphoma. Kakati S, et al. **Cancer Genet Cytogenet** 1985 May;17(1):29–34

Multiple cancers in a Turner's syndrome with 45,X/46,XXp–/46,XX/47,XXX karyotype. Ochi H, et al. **Cancer Genet Cytogenet** 1985 Apr 15;16(4):335–9

Non–neural malignancy complicating neurofibromatosis in two relatives. Wertelecki W, et al. **Cancer Genet Cytogenet** 1985 Sep;18(1):87–9

Familial vascular malformations. Report of 25 members of one family. Pasyk KA, et al. **Clin Genet** 1984 Sep; 26(3):221–7

Turcot syndrome and its characteristic colonic manifestations. Itoh H, et al. **Dis Colon Rectum** 1985 Jun; 28(6):399–402

9p Trisomy/18p distal monosomy and multiple cutaneous leiomyomata. Another specific chromosomal site (18pter) in dominantly inherited multiple tumors? Fryns JP, et al. **Hum Genet** 1985;70(3):284–6

Cowden's disease: analysis of fourteen new cases. Starink TM. **J Am Acad Dermatol** 1984 Dec;11(6):1127–41

Acute lymphoblastic leukaemia with t(4;11) follows neuroblastoma: a late effect of treatment? Secker–Walker LM, et al. **Med Pediatr Oncol** 1985;13(1):48–50

DNA repair in lymphocytes from patients with secondary leukemia as measured by strand rejoining and unscheduled DNA synthesis. Bohr V, et al. **Mutat Res** 1985 Sep; 146(2):219–25

Excess of cancer deaths in close relatives of patients with bilateral retinoblastoma. Tarkkanen A, et al. **Ophthalmologica** 1984;189(3):143–6

Familial bilateral multiple fibroadenomas of the breast. Naraynsingh V, et al. **Postgrad Med J** 1985 May; 61(715):439–40

Mandibular osteomas in colorectal cancer. Søndergaard JO, et al. **Scand J Gastroenterol** 1985 Aug;20(6):759–61

Concomitance of urogenital with lymphoid and intestinal malignancies: more than a coincidence. Shabtai F, et al. **Urol Int** 1985;40(3):145–7

[Cowden's syndrome (multiple hamartoma syndrome)] Toonstra J, et al. **Ned Tijdschr Geneeskd** 1984 Jul 14; 128(28):1328–30 (Eng. Abstr.) **(Dut)**

[Multiple familial clear cell acanthoma] Balus L, et al. **Ann Dermatol Venereol** 1984;111(8):665–6 **(Fre)**

[Cowden's disease] Monnier G, et al. **Ann Dermatol Venereol** 1985;112(2):169–77 (54 ref.) **(Fre)**

[Cowden's disease. Syndrome of multiple hamartomas] Flageat J, et al. **J Radiol** 1984 Oct;65(10):701–4 (Eng. Abstr.) **(Fre)**

[Familial genitocolonic cancer syndrome] Servais R. **Rev Med Liege** 1984 Nov 15;39(22):805–15 **(Fre)**

[Remarks on familial melanoma] Korting GW. **Hautarzt** 1985 Apr;36(4):242–3 **(Ger)**

[Familial occurrence of multiple basalomas associated with hyperostotic spondylosis] Schramm P, et al. **Z Hautkr** 1985 May 15;60(10):785–6, 791–2 (Eng. Abstr.) **(Ger)**

[A family of von Recklinghausen's disease associated with bilateral acoustic neurinomas and falx meningiomas] Araki Y, et al. **No To Shinkei** 1984 Jul;36(7):641–8 (Eng. Abstr.) **(Jpn)**

[Bilateral renal adenocarcinoma in Von Hippel–Lindau syndrome: apropos of a case] Machuca J, et al. **Arch Esp Urol** 1985 Mar–Apr;38(2):197–9 (Eng. Abstr.) **(Spa)**

[The glioma–polyposis syndrome (Turcot's syndrome) (letter)] Larrode Pellicer P, et al. **Med Clin (Barc)** 1985 Apr 30;84(16):676 **(Spa)**

[Basal cell nevus syndrome. Presentation of 2 cases. 1 associated with medulloblastoma] Balsa RE, et al. **Med Cutan Ibero Lat Am** 1985;13(1):5–11 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

'Concomitant immunity' in murine tumours of non–detectable immunogenicity. Ruggiero RA, et al. **Br J Cancer** 1985 Jan;51(1):37–48

The association of chronic lymphocytic leukaemia and multiple myeloma: a study of eleven patients. Brouet JC, et al. **Br J Haematol** 1985 Jan;59(1):55–66

Mycosis fungoides and lymphoplasmacytoid immunocytoma in the same patient. A case report. Geerts ML, et al. **Cancer** 1984 Nov 15;54(10):2294–9

METABOLISM

Carcinoma of the breast developing in a woman with an androgen–secreting tumour of the adrenal gland. Cox R, et al. **Br J Surg** 1985 Mar;72(3):189

MORTALITY

Survival following resection for second and third primary lung cancers. Mathisen DJ, et al. **J Thorac Cardiovasc Surg** 1984 Oct;88(4):502–10

EWARK PUBLIC LIBRAR

OCCURRENCE

Occurrence of other malignancies in patients treated for basal cell carcinoma of the skin. A cohort study. Sandström A, et al. **Acta Radiol [Oncol]** 1984;23(4):227–30

Multiple primary cancers in Singapore 1968–1978. Lee HP. **Ann Acad Med Singapore** 1984 Apr;13(2):206–10

Cutaneous malignant melanoma after Hodgkin's disease. Tucker MA, et al. **Ann Intern Med** 1985 Jan;102(1):37–41

Multiple primary cancer risk in patients with major salivary gland carcinoma. Spitz MR, et al. **Ann Otol Rhinol Laryngol** 1985 Mar–Apr;94(2 Pt 1):129–32

The association of condylomata acuminata and squamous carcinoma of the vulva. Daling JR, et al. **Br J Cancer** 1984 Oct;50(4):533–5

Bilateral primary breast cancer: a prospective study of disease incidence. Chaudary MA, et al. **Br J Surg** 1984 Sep;71(9):711–4

Incidence of synchronous and metachronous colorectal carcinoma. Cunliffe WJ, et al. **Br J Surg** 1984 Dec;71(12):941–3

Second primary cancer following treatment for cervical cancer. Clarke EA, et al. **Can Med Assoc J** 1984 Sep 15;131(6):553–6

Age at first primary as a determinant of the incidence of bilateral breast cancer. Cumulative and relative risks in a population-based case-control study. Adami HO, et al. **Cancer** 1985 Feb 1;55(3):643–7

The association of synchronous neoplasms with occluding colorectal cancer. Bat L, et al. **Dis Colon Rectum** 1985 Mar;28(3):149–51

Synchronous lesion of the colon [letter] Fogler R. **Dis Colon Rectum** 1985 Aug;28(8):630–1

Second primary malignancy in endometrial carcinoma patients. Schwartz Z, et al. **Gynecol Oncol** 1985 Sep;22(1):40–5

Second primaries in children with central nervous system tumors. Farwell J, et al. **J Neurooncol** 1984;2(4):371–5

Bilateral synchronous germ cell tumors. Miles BJ, et al. **J Urol** 1985 Apr;133(4):679–80

Second cancers following radiation treatment for cervical cancer. An international collaboration among cancer registries. Boice JD Jr, et al. **JNCI** 1985 May;74(5):955–75

Multiple cancer––an epidemiologic exercise in Finland. Teppo L, et al. **JNCI** 1985 Aug;75(2):207–17

Multiple primary cancers (MPC) associated with bladder cancer: an analysis of the clinical and autopsy cases in Japan. Kotake T, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:201–10

Multiple primary cancers associated with hematological malignancies. Nagura E, et al. **Jpn J Clin Oncol** 1985 Apr, 15 Suppl 1:211–22

Multiple primary cancers, with special reference to occupational exposure. Okubo T, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:243–53

Multiple primary cancers subsequent to gastric cancer in Hokkaido Cancer Center. Sasaki M, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:235–41

Second primary malignancies in lymphoma patients. Takenaka T, et al. **Jpn J Clin Oncol** 1985 Jun;15(2):443–9

Multiple primary malignancies in childhood cancer. Tsunematsu Y, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:223–33

Multiple primary cancers in autopsy cases of Tokyo University Hospital (1883–1982) and in Japan Autopsy Annuals (1974–1982). Urano Y, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:271–9

Second primary cancers in patients with gastrointestinal cancers. Watanabe S, et al. **Jpn J Clin Oncol** 1985 Apr; 15 Suppl 1:171–82

Estimation of the prevalence of occult cancer and its application to the epidemiology of multiple primary cancer. Yamaguchi N, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:313–23

The influence of family history of cancer, irradiation and anticancer medication (mitomycin C), on the occurrence of multiple primary neoplasms with breast cancer––statistical analysis by the person-year method. Yoshimoto M, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:191–9

Multiple primary cancers in the stomach and another organ: frequency and the effects on prognosis. Yoshino K, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:183–90

Simultaneous carcinomas of the esophagus and upper aerodigestive tract. Shapshay SM, et al. **Otolaryngol Head Neck Surg** 1980 Jul–Aug;88(4):373–7

[Multiple primary malignant lesions in colorectal carcinoma] Mo SJ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Apr; 23(4):203–5, 252 (Eng. Abstr.) **(Chi)**

[Incidence of double malignant tumors in the Otorhinolaryngology Clinic of the Medical School Hospital and Polyclinic in Brno over the past 15 years] Ryšánková J, et al. **Cesk Otolaryngol** 1984 Jul;33(4):260–3 (Eng. Abstr.) **(Cze)**

[Cutaneous prickle-cell epitheliomas and visceral cancer] Guillaume JC, et al. **Ann Dermatol Venereol** 1985; 112(1):21–4 (Eng. Abstr.) **(Fre)**

[Multiple cancers of the colon and rectum. Incidence and results of surgical treatment] Moreaux J, et al. **Gastroenterol Clin Biol** 1985 Apr;9(4):336–41 (Eng. Abstr.) **(Fre)**

[Incidence of esophageal cancer synchronous with upper aerodigestive tract cancers (100 cases): value of vital staining with lugol and toluidine blue] Papazian A, et al. **Gastroenterol Clin Biol** 1985 Jan;9(1):16–22 (Eng. Abstr.) **(Fre)**

[Epidemiological studies on multiple primary cancers––observations on the second primary cancers among cervical cancer and laryngeal cancer cases] Hiyama T, et al. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1499–506 (Eng. Abstr.) **(Jpn)**

[Breast cancer and hematological malignancy in the same patients] Horikoshi N, et al. **Gan No Rinsho** 1985 Mar; 31(3):268–74 (Eng. Abstr.) **(Jpn)**

[Multiple primary malignant tumors after radical mastectomy] Miura S. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1578–86 (Eng. Abstr.) **(Jpn)**

[Multiple primary malignant cancer and radiation induced cancer––a point of view of radiation oncology] Okawa T. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1561–9 (Eng. Abstr.) **(Jpn)**

[Primary malignant tumors in the lung and larynx ––a report of 37 cases] Ono R, et al. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1507–13 (Eng. Abstr.) **(Jpn)**

[Multiple primary cancers in patients with malignant lymphoma] Sakai K, et al. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1524–9 (Eng. Abstr.) **(Jpn)**

[Multiple primary cancer and radiation-induced cancer of the uterine] Sakurai T, et al. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1587–93 (Eng. Abstr.) **(Jpn)**

[Radiation associated cancers among head and neck cancer patients] Shibuya H. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1570–7 (Eng. Abstr.) **(Jpn)**

[Multiple primary malignant neoplasms in the national cancer center during 1962–1981] Watanabe S. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1489–98 (Eng. Abstr.) **(Jpn)**

[Radiation-induced cancer] Yamashita H. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1595–603 **(Jpn)**

[A study of multiple primary cancers of the stomach and other organs] Yasuna O, et al. **Gan No Rinsho** 1984 Dec; 30(15):1893–8 (Eng. Abstr.) **(Jpn)**

[Influence of family history, irradiation and anti-cancer drug (mitomycin C) on the occurrence of multiple primary neoplasms in breast carcinoma patients] Yoshimoto M, et al. **Gan No Rinsho** 1984 Sep;30(11):1361–8 (Eng. Abstr.) **(Jpn)**

[Statistical studies on multiple primary cancers including gastric cancers] Yoshino K, et al. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1514–23 (Eng. Abstr.) **(Jpn)**

[Double cancer in urology] Sugiyama T, et al. **Hinyokika Kiyo** 1984 Oct;30(10):1427–31 (Eng. Abstr.) **(Jpn)**

[Double malignancies in the stomach and other organs––analysis with the person-years method] Ichikawa T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Oct 20; 19(9):2157–67 (Eng. Abstr.) **(Jpn)**

[Double cancer observed in occupational and environmental bladder cancer] Matsushima M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Aug;75(8):1306–18 (Eng. Abstr.) **(Jpn)**

[Multiple primary cancers of the esophagus] Kita M, et al. **Rinsho Hoshasen** 1984 May;29(5):577–82 (Eng. Abstr.) **(Jpn)**

[Second malignancies in non-Hodgkin's lymphoma] Sakai K, et al. **Rinsho Hoshasen** 1984 Nov;29(12):1399–401 (Eng. Abstr.) **(Jpn)**

[Risk factors for the development of endometrial cancer in uterine myoma] Mezinova NN, et al. **Vopr Onkol** 1985; 31(6):60–4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Multiple primary malignant fibrous histiocytoma of the stomach and small intestine. Shibuya H, et al. **Acta Pathol Jpn** 1985 Jan;35(1):157–64

Simultaneous occurrence of a granulosa cell tumour and a serous papillary cystadenocarcinoma in the same ovary. A case report. Bichel P. **Acta Pathol Microbiol Immunol Scand [A]** 1985 Jul; 93(4):175–81

Concurrent occurrence of adenocarcinoma and carcinoid tumor in the stomach: a composite tumor or collision tumors? Yamashina M, et al. **Am J Clin Pathol** 1985 Feb; 83(2):233–6

A malignant neoplasm with features of both squamous cell carcinoma and malignant melanoma. Rosen LB, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:213–9

Picture of the month. Hemangioma and lymphangioma of the nose. Feingold M. **Am J Dis Child** 1985 Mar; 139(3):319–20

Prolonged survival in Richter syndrome with subsequent reemergence of CLL: a case report including serial cell-surface phenotypic analysis. Baumann MA, et al. **Am J Hematol** 1985 Sep;20(1):67–72

Hairy-cell leukemia associated with Hodgkin's disease: a case report. Vokes EE, et al. **Am J Hematol** 1985 Apr; 18(4):413–9

Second primary bronchogenic carcinomas after small cell carcinoma [letter] Tan M, et al. **Am J Med** 1985 Apr; 78(4):A46, A60

The changing concepts of condyloma. A retrospective study of colposcopically directed cervical biopsies. Binder MA, et al. **Am J Obstet Gynecol** 1985 Jan 15;151(2):213–9

Association between mediastinal germ cell tumors and hematologic malignancies. Report of two cases and review of the literature. DeMent SH, et al. **Am J Surg Pathol** 1985 Jan;9(1):23–30

Nodal blue nevi. A study of three cases. Epstein JI, et al. **Am J Surg Pathol** 1984 Dec;8(12):907–15

Bursa formation in secondary chondrosarcoma with intrabursal chondrosarcomatosis. Josefczyk MA, et al. **Am J Surg Pathol** 1985 Apr;9(4):309–14

Bilateral breast cancer. Risk reduction by contralateral biopsy. Wanebo HJ, et al. **Ann Surg** 1985 Jun;201(6):667–77

Fibroepithelioma of Pinkus overlying breast cancer [letter] Bryant J. **Arch Dermatol** 1985 Mar;121(3):310

Becker's nevus coexistent with connective-tissue nevus. Fenske NA, et al. **Arch Dermatol** 1984 Oct;120(10):1347–50

Epidermotropic urothelial carcinoma involving the glans penis. Metcalf JS, et al. **Arch Dermatol** 1985 Apr; 121(4):532–4

Squamous cell carcinoma in a cystic teratoma of the ovary. Tang LC, et al. **Arch Gynecol** 1984;236(1):55–9

Pleomorphic adenoma and metastatic squamous cell carcinoma. Atiyah RA, et al. **Arch Otolaryngol** 1985 Mar; 111(3):204–6

A rarely observed case of primary multiple carcinomas of the head and neck. Megighian D, et al. **Arch Otorhinolaryngol** 1985;242(1):7–12

Malignant neoplasms metastasizing to a benign host tumor [letter] Howell LP. **Arch Pathol Lab Med** 1984 Dec; 108(12):940–1

Pheochromocytoma-ganglioneuroma of the adrenal. Kragel PJ, et al. **Arch Pathol Lab Med** 1985 May;109(5):470–2

Immunologic studies documenting the development of mycosis fungoides following successful therapy of a large-cell lymphoma. Samlowski WE, et al. **Arch Pathol Lab Med** 1985 Sep;109(9):864–6

Delayed development of angiosarcoma in multinodular infantile hepatic hemangioendothelioma [letter] Strate SM, et al. **Arch Pathol Lab Med** 1984 Dec;108(12):943–4

Multifocal cystic hygroma: report of case. Kischinovsky D, et al. **ASDC J Dent Child** 1984 Nov–Dec;51(6):444–7

Choriocarcinoma coexisting with adenocarcinoma in the pars interstitialis of the oviduct: a case report. Takagi M, et al. **Asia Oceania J Obstet Gynaecol** 1985 Jun;11(2):255–60

Associated chronic lymphocytic leukemia and multiple myeloma: origin from a single clone. Fermand JP, et al. **Blood** 1985 Aug;66(2):291–3

Serial incidence of bone marrow GM-CFC prior to the development of acute non-lymphoblastic leukaemia in a child treated for non-Hodgkin's lymphoma. Haworth C, et al. **Br J Haematol** 1985 Jan;59(1):79–84

A truly mixed renal tumour. Massey JA. **Br J Urol** 1984 Aug;56(4):437

Simultaneous contralateral renal transitional cell carcinoma in a patient with renal carcinoma. Yaxley RP. **Br J Urol** 1984 Oct;56(5):545–6

Multiple sebaceous tumors and carcinomas of the colon. Torre syndrome. Alessi E, et al. **Cancer** 1985 Jun 1; 55(11):2566–74

A distinctive cutaneous malignant neoplasm expressing the Langerhans cell phenotype. Synchronous occurrence with B-chronic lymphocytic leukemia. Bonetti F, et al. **Cancer** 1985 May 15;55(10):2417–25

The association of embryonal tumors originating in the kidney and in the brain. A report of seven cases. Bonnin JM, et al. **Cancer** 1984 Nov 15;54(10):2137–46

Survival in bilateral breast cancer. Fracchia AA, et al. **Cancer** 1985 Mar 15;55(6):1414–21

T-cell lymphoma following Hodgkin's disease. Gowitt GT, et al. **Cancer** 1985 Sep 1;56(5):1191–6

Torre-Muir syndrome. An association with isolated sebaceous carcinoma. Graham R, et al. **Cancer** 1985 Jun 15;55(12):2868–73

Malignant pheochromocytoma with ganglioneuroblastoma elements in a patient with von Recklinghausen's disease. Nakagawara A, et al. **Cancer** 1985 Jun 15;55(12):2794–8

Insular carcinoid of ovary associated with malignant mucinous tumors. Robboy SJ. **Cancer** 1984 Nov 15; 54(10):2273–6

Juvenile papillomatosis and breast carcinoma. Rosen PP, et al. **Cancer** 1985 Mar 15;55(6):1345–52

Metachronous bilateral adrenal neuroblastoma. Suzuki H, et al. **Cancer** 1985 Sep 15;56(6):1490–2

Cancer genes, multiple primary cancer, and von Hippel-Lindau disease. Lynch HT, et al. **Cancer Genet Cytogenet** 1985 Mar 1;16(1):13–9

Multiple hamartoma and neoplasia syndrome. Graham RM, et al. **Clin Exp Dermatol** 1985 May;10(3):262–8

Inverted papillomas of the nose and the paranasal sinuses. Abildgaard-Jensen J, et al. **Clin Otolaryngol** 1985 Jun; 10(3):135–43

Multiple epitheliomata cuniculata occurring in a mutilating keratoderma. Barnett JH, et al. **Cutis** 1985 Apr;35(4):345–7

Apocrine cystadenoma arising in a nevus sebaceus of Jadassohn. Campbell JP, et al. **Cutis** 1984 Nov;34(5):510–2

Atypical fibroxanthomas of the skin: multiple primaries. Kirsch N, et al. **Cutis** 1984 Oct;34(4):404–7

Gastroduodenal polyps in familial polyposis coli. Bülow S, et al. **Dis Colon Rectum** 1985 Feb;28(2):90–3

Multiple primary malignant tumors involving the large bowel. Shah IA, et al. **Dis Colon Rectum** 1984 Dec; 27(12):798–802

Breast carcinoma metastasized in ovarian thecoma (a case report). De Rosa G, et al. **Eur J Gynaecol Oncol** 1985; 6(2):138–42

A case of bilateral Wilms' tumour of the kidneys and the retrourethral region. Shimao S, et al. **Eur J Pediatr** 1984 Dec;143(2):158–60

Coexistent immature teratoma of the uterus and endometrial adenocarcinoma complicated by gliomatosis peritonei. Ansah-Boateng Y, et al. **Gynecol Oncol** 1985 May; 21(1):106–10

Primary mucinous adenocarcinoma of the appendix with bilateral Krukenberg tumors of the ovary and primary adenocarcinoma of the endometrium. De Graaff J, et al. **Gynecol Oncol** 1984 Nov;19(3):358–64

Sclerosing stromal tumor and bilateral teratomas: an unusual association. Valente PT, et al. **Gynecol Oncol** 1985 Jun; 21(2):252–9

Synchronous carcinomas of the uterine corpus and ovary. Zaino RJ, et al. **Gynecol Oncol** 1984 Nov;19(3):329–35

A study of multiple primary malignant neoplasms associated with lung cancer. Nishiki M, et al. **Hiroshima J Med Sci** 1984 Sep;33(3):447–53 (22 ref.)

A salivary gland lymphoma involving contralateral parotid gland and submaxillary gland with a review of the literature. Tanaka T, et al. **Hiroshima J Med Sci** 1984 Jun; 33(2):113–23

Histogenesis of post-mastectomy angiosarcoma--an ultrastructural study. McWilliam LJ, et al. **Histopathology** 1985 Mar;9(3):331–43

Association of breast carcinoma and multiple intraductal papillomas: an histological and immunohistochemical investigation. Papotti M, et al. **Histopathology** 1984 Nov; 8(6):963–75

Lymphoma arising in an adenolymphoma. Hall G, et al. **Hum Pathol** 1985 Apr;16(4):424–7

Metastatic and independent cancers of the endometrium and ovary: a clinicopathologic study of 34 cases. Ulbright TM, et al. **Hum Pathol** 1985 Jan;16(1):28–34

Multifocal primary malignant melanoma of conjunctiva. Sahai AS, et al. **Indian J Ophthalmol** 1984 Jan–Feb; 32(1):37–40

Malignant thymoma associated terminally with acute lymphoblastic leukemia--an autopsy report. Sharma SC, et al. **Indian J Pathol Microbiol** 1984 Apr;27(2):139–42

Cowden's disease with associated malignant melanoma. Greene SL, et al. **Int J Dermatol** 1984 Sep;23(7):466–7

Synchronous and metachronous carcinomas in patients with head and neck cancer [editorial] Batsakis JG. **Int J Radiat Oncol Biol Phys** 1984 Nov;10(11):2163–4

Multiple primary squamous cell carcinomas in the upper digestive tract. Fitzpatrick PJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2273–9

Double and multiple primary cancers in an adult head and neck radiation therapy clinic. Kinzie JJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Nov;10(11):2037–9

Genital Paget's disease and urinary tract malignancy. Powell FC, et al. **J Am Acad Dermatol** 1985 Jul;13(1):84–90

Multiple melanomas occurring in a patient with xeroderma pigmentosum. Tullis GD, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 2):364–7

Gastrointestinal neurofibromatosis. Petersen JM, et al. **J Clin Gastroenterol** 1984 Dec;6(6):529–34

Acquired cystic disease of kidney with multiple renal and urothelial neoplasms. Banerjee SS, et al. **J Clin Pathol** 1985 Aug;38(8):864–7

Refractory anaemia terminating in a combined lymphoproliferative and myeloproliferative disorder. Camba L, et al. **J Clin Pathol** 1985 Mar;38(3):297–300

Dermal cylindromas (turban tumour) and eccrine spiradenomas in a patient with membranous basal cell adenoma of the parotid gland. Ferrándiz C, et al. **J Cutan Pathol** 1985 Feb;12(1):72–9

A basal cell epithelioma on another basal cell epithelioma. Kikuchi I, et al. **J Dermatol (Tokyo)** 1984 Apr; 11(2):199–202

Lymphangiosarcoma of the hand arising in a pre-existing non-irradiated lymphangioma. Moss AL, et al. **J Hand Surg [Br]** 1985 Jun;10(2):239–42

Intra-abdominal fibromatosis. Devi NN, et al. **J Indian Med Assoc** 1984 Sep;82(9):325–7

Multiple leiomyomata of the urinary bladder. Chavez CA, et al. **J Kans Med Soc** 1984 Nov;85(11):298–9

Ovarian tumors in a teenage primigravida. Walling AD, et al. **J Kans Med Soc** 1984 Sep;85(9):231–3, 250

Metastasis to leiomyoma. Sarma DP, et al. **J La State Med Soc** 1985 Aug;137(8):41–2

Metachranous chondrosarcoma and malignant melanoma of the nose. Barton RP. **J Laryngol Otol** 1985 May; 99(5):497–500

Malignant schwannoma and follicular thyroid carcinoma associated with von Recklinghausen's disease. Hasegawa M, et al. **J Laryngol Otol** 1984 Oct;98(10):1057–61

Squamous cell carcinoma and liposarcoma of the larynx occurring metachronously. Narula A, et al. **J Laryngol Otol** 1985 May;99(5):509–11

Parapharyngeal combined neurilemmoma and hemangioma. Kasantikul V, et al. **J Med Assoc Thai** 1984 Jul;67(7):432–6

Multiple meningiomas with cranial nerve involvement. Kasantikul V, et al. **J Med Assoc Thai** 1984 Nov; 67(11):634–9

Cowden's disease (multiple hamartoma syndrome). Gilbert HD, et al. **J Oral Maxillofac Surg** 1985 Jun;43(6):457–60

Bilateral maxillary squamous odontogenic tumors and the malignant transformation of a mandibular radiolucent lesion. Norris LH, et al. **J Oral Maxillofac Surg** 1984 Dec; 42(12):827–34

Encephalocraniocutaneous lipomatosis and mixed odontogenic tumors. Savage MG, et al. **J Oral Maxillofac Surg** 1985 Aug;43(8):617–20

Monomorphic adenomatosis of intraoral minor salivary glands--light and ultrastructural study. Chaudhry AP, et al. **J Oral Med** 1984 Oct–Dec;39(4):227–31, 245

'Coexistent chronic myeloid leukemia and lymphosarcoma in the maxilla: report of a case'. Epivatianos AA, et al. **J Oral Med** 1984 Oct–Dec;39(4):207–9

Malignant endothelial neoplasm arising in the area of lymphangioma: immunohistochemical and ultrastructural observation. Nagata M, et al. **J Oral Pathol** 1984 Dec; 13(6):560–72

Non-Hodgkin's lymphoma arising in adenolymphoma--a report of two cases. Banik S, et al. **J Pathol** 1985 Jul; 146(3):167–77

Adenocarcinoma of the esophagus associated with neurofibromatosis. Desigan G, et al. **J Tenn Med Assoc** 1985 Mar;78(3):138–40

Intraoperative ultrasound guidance for needle biopsy of a contralateral intrarenal 'tumorlet' in a child with Wilms' Tumor. Rosenberg HK, et al. **J Ultrasound Med** 1985 Jun; 4(6):311–4

Condyloma acuminatum of the bladder and ureter: case report and review of the literature. Keating MA, et al. **J Urol** 1985 Mar;133(3):465–7

Giant cell tumor of the bladder associated with transitional cell carcinoma. Kitazawa M, et al. **J Urol** 1985 Mar; 133(3):472–5

Condyloma acuminatum of the bladder and associated urothelial malignancy. Libby JM, et al. **J Urol** 1985 Jul; 134(1):134–6

Papillary adenocarcinoma in situ of bladder. O'Brien AM, et al. **J Urol** 1985 Sep;134(3):544–6

Bilateral renal oncocytoma: report of 2 cases and literature review. Zhang G, et al. **J Urol** 1985 Jan;133(1):84–6

Cutaneous malignant melanoma in association with other skin cancers. Green AC, et al. **JNCI** 1985 May;74(5):977–80

Villous tumor of the stomach associated with adenocarcinomas--a histochemical study of mucosubstances. Inaba S, et al. **Jpn J Clin Oncol** 1984 Dec; 14(4):691–8

Juvenile secretory carcinoma and juvenile papillomatosis. Tokunaga M, et al. **Jpn J Clin Oncol** 1985 Jun;15(2):457–65

Gastric epitheloid leiomyomas, pulmonary chondroma, non-functioning metastasizing extra-adrenal paraganglioma and myxoma: a variant of Carney's triad. Report of a patient. Rüfenacht H, et al. **Klin Wochenschr** 1985 Mar 15;63(6):282–4

Renal failure in a Zambian child due to bilateral renal lymphoma. Patil PS. **Med J Zambia** 1984 Jan;18(1):19–20

Tumor-to-tumor metastasis: malignant melanoma metastatic to parathyroid adenoma. Inoshita T, et al. **Milit Med** 1985 Jun;150(6):323–5

Primary malignant melanoma in an ovarian cystic teratoma. A case report and literature review. Parekh MA. **Mo Med** 1985 Jan;82(1):18–20

Multicentric angiosarcoma of the tarsal and metatarsal bones. A case report and literature review. Salmassi S, et al. **Mo Med** 1985 Jun;82(6):304–7

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 37–1985. A 69-year-old man with gastrointestinal bleeding and an abnormal Meckel scan. **N Engl J Med** 1985 Sep 12;313(11):680–8

Intracranial and spinal multiple meningioma appearing after an interval of 22 years. Harish Z, et al. **Neurochirurgia (Stuttg)** 1985 Jan;28(1):25–7

Metastasis of an occult gastric carcinoma suggesting growth of a prolactinoma during bromocriptine therapy: a case report with a review of the literature. van Seters AP, et al. **Neurosurgery** 1985 Jun;16(6):813–7

Metachronous multiprimary carcinomas of the ovary and endometrium. Miyamoto U, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct; 36(10):1975–6

Leiomyosarcoma of the ovary. Reddy SA, et al. **NY State J Med** 1985 May;85(5):218–20

Bilateral diffuse malignant melanoma of the uvea associated with large cell carcinoma, giant cell type, of the lung. Case report of a newly described syndrome. Prause JU, et al. **Ophthalmologica** 1984;189(4):221–8

Oral manifestations in Cowden's syndrome. Report of four cases. Swart JG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Mar;59(3):264–8

Rhabdomyosarcoma and benign teratoma. Cushing B, et al. **Pediatr Pathol** 1983 Jul–Sep;1(3):345–8

Multiple odontomas. Review of the literature and report of a new case. Lamberg MA, et al. **Proc Finn Dent Soc** 1984; 80(4):169–74

Simultaneous early carcinomas of the ampulla of Vater and the stomach. Report of a case involving chronic inactive hepatitis. Kitano S, et al. **S Afr Med J** 1984 Oct 27; 66(17):656–8

Elderly man with obstructive jaundice of three to four months' duration [clinical conference] Ellerbusch DA, et al. **SD J Med** 1985 May;38(5):35–8

Malignant cystosarcoma phyllodes with simultaneous carcinoma in the ipsilateral breast. Huntrakoon M. **South Med J** 1984 Sep;77(9):1176–8

Coexisting adenocarcinoma and cystadenofibroma (malignant cystadenofibroma) of the ovary. Saffos RO, et al. **South Med J** 1985 Apr;78(4):478–81

Adjacent astrocytoma and ependymoma: dependent mixed neoplasia or unusual collision tumors? Molnár P, et al. **Surg Neurol** 1984 Nov;22(5):455–60

The solitary pulmonary nodule in the patient with breast cancer. Casey JJ, et al. **Surgery** 1984 Oct;96(4):801–5

A pituitary adenoma with dilated ventricles. Mindel JS, et al. **Surv Ophthalmol** 1985 Jul–Aug;30(1):59–61

Contiguous granular cell myoblastoma and squamous cell carcinoma in the oesophagus. Mannion P, et al. **Thorax** 1985 Jul;40(7):551–3

Triple synchronous genitourinary malignancies of dissimilar histogenesis. Wentworth SA, et al. **Urology** 1985 Mar; 25(3):313

Multiple neuroendocrine carcinomas (so-called Merkel cell tumours) of the skin. Report on two cases with unique clinical course. Katenkamp D, et al. **Virchows Arch [A]** 1984;404(4):403–11

[Case report of synchronous multiple primary malignant tumors of the digestive tract] Ivanov S, et al. **Khirurgiia (Sofiia)** 1985;38(1):56–8 **(Bul)**

[Metastasizing basalioma at an early age] Steiner I, et al. **Cesk Patol** 1984 Nov;20(4):246–51 (Eng. Abstr.) **(Cze)**

[Adenoma of the nipple and concomitant breast cancer] Hansen U, et al. **Ugeskr Laeger** 1985 Jun 3;147(23):1852–3 (Eng. Abstr.) **(Dan)**

[Study of multifocal esophageal cancers by toluidine blue staining. Therapeutic implications. Apropos of 50 cases] Couraud L, et al. **Ann Chir** 1985 Apr;39(3):211–3 (Eng. Abstr.) **(Fre)**

[Extra-mammary Paget's disease] Kanitakis J. **Ann Dermatol Venereol** 1985;112(1):75–87 **(Fre)**

[Association of mycosis fungoides and Hodgkin's disease] Souquet PJ, et al. **Ann Dermatol Venereol** 1984; 111(11):981–6 (Eng. Abstr.) **(Fre)**

[Multiple glomangiomatosis] Venencie PY, et al. **Ann Dermatol Venereol** 1984;111(8):769–70 **(Fre)**

[Primary bilateral tubular adenocarcinoma with antecedents of invasive galactophoric carcinoma of the breast. Apropos of a case; review of the literature] Decorsiere JB, et al. **Ann Pathol** 1984 Dec;4(5):383–7 (Eng. Abstr.) **(Fre)**

[Disseminated peritoneal leiomyomatosis. Apropos of 2 new cases] Tabbara WS, et al. **Arch Anat Cytol Pathol** 1985; 33(3):140–4 (Eng. Abstr.) **(Fre)**

[Neurogenic sarcoma in Von Recklinghausen's disease. Histological, immunohistochemical and ultrastructural study of 6 cases] Verola O, et al. **Arch Anat Cytol Pathol** 1985;33(1):5–16 (Eng. Abstr.) **(Fre)**

[Development of aggressive cystosarcoma phyllodes after conservative treatment of breast adenocarcinoma] Hulet A, et al. **Bull Cancer (Paris)** 1985;72(2):80–6 (Eng. Abstr.) **(Fre)**

[Recurrent dysimmune lymphomatosis with double palpebral and pulmonary localization. Value of immunohistological study] Entraygues H, et al. **Bull Soc Ophtalmol Fr** 1983 Nov;83(11):1301–4 **(Fre)**

[Histopathology of Kaposi's sarcoma] Ravisse P, et al. **Bull Soc Pathol Exot Filiales** 1984;77(4 Pt 2):533–45 (Eng. Abstr.) **(Fre)**

[Glandulo-cystic fundus polyps associated with rectocolonic adenomatous polyposis (letter)] Rogier P, et al. **Gastroenterol Clin Biol** 1985 Feb;9(2):191 **(Fre)**

[Ganglioneuroblastoma of the orbit] Dhermy P, et al. **J Fr Ophtalmol** 1985;8(2):139–46 (Eng. Abstr.) **(Fre)**

[Bilateral testicular cancer of different histological types] Foulques H, et al. **J Urol (Paris)** 1984;90(5):369–74 (Eng. Abstr.) **(Fre)**

[Gastric polyps in familial adenomatous rectocolonic polyposis (letter)] Boudailliez C, et al. **Presse Med** 1985 Feb 23;14(8):490–1 **(Fre)**

[Cylindroma on a pleomorphic adenoma. Apropos of 2 case reports] Brocheriou C, et al. **Rev Stomatol Chir Maxillofac** 1985;86(1):36–40 (Eng. Abstr.) **(Fre)**

[Bifocal odontogenic calcified epithelial tumor (Pindborg's tumor). A morphologic and ultrastructural study] Chomette G, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(4):329–36 (Eng. Abstr.) **(Fre)**

[Epidermal nevus syndrome. A case with oral involvement] Wallach D, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(4):311–3 (Eng. Abstr.) **(Fre)**

[In extremis healing of disseminated cancer transmuted into curable tuberculosis] Gareau R. **Union Med Can** 1984 Nov; 113(11):957–9 **(Fre)**

[Coincidence of multiple tumors in the sacral region] Schulze P, et al. **Dermatol Monatsschr** 1984;170(9):600–5 (Eng. Abstr.) **(Ger)**

[Malignant cystosarcoma phylloides and squamous cell carcinoma of the breast. A rare tumor combination] Hunger E, et al. **Geburtshilfe Frauenheilkd** 1984 Oct;44(10):640–2 (Eng. Abstr.) **(Ger)**

[Malignant blue nevus in Ota's nevus] Nödl F, et al. **Hautarzt** 1984 Aug;35(8):421–4 (Eng. Abstr.) **(Ger)**

[Eccrine porocarcinoma] Gartmann H. **Z Hautkr** 1985 Apr 1;60(7):555–62 (Eng. Abstr.) **(Ger)**

[Mature teratoma following chemotherapy in bilateral testicular tumors--a critical contribution] Fichte A, et al. **Z Urol Nephrol** 1985 Jun;78(6):317–21 (Eng. Abstr.) **(Ger)**

[Carcinoma of the appendix arising on the basis of a mucinous cystadenoma] Detky G. **Zentralbl Allg Pathol** 1985; 130(2):139–42 (Eng. Abstr.) **(Ger)**

[Intraductal (intracystic) papilloma of the male breast] Volmer J. **Zentralbl Allg Pathol** 1984;129(6):513-9 (Eng. Abstr.) **(Ger)**

[Neural proliferation as a concomitant finding in neoplasias and benign ectopias of the uterine cervix] Bajardi F. **Zentralbl Gynakol** 1985;107(4):227-36 (Eng. Abstr.) **(Ger)**

[Cellular infiltration around basal cell carcinomas] Govrin-Yehudain J, et al. **Harefuah** 1984 Jun 15; 106(12):544-8 (Eng. Abstr.) **(Heb)**

[Unusual features in a patient with both transitional cell carcinoma and adenocarcinoma of the prostate] Savion M, et al. **Harefuah** 1985 Feb 15;108(4):189-90 (Eng. Abstr.) **(Heb)**

[Bilateral carcinoma of the breast] Arcidiaco M, et al. **Ann Ital Chir** 1984;56(3):249-62 (Eng. Abstr.) **(Ita)**

[Granular cell myoblastoma (apropos of a case with bilateral localization in the thigh)] Bonacina P, et al. **Chir Ital** 1983 Dec;35(6):1021-5 (Eng. Abstr.) **(Ita)**

[Uterine multiple node fibromyomatosis associated with an asymptomatic leiomyoma of the small intestine] Guzzetti A, et al. **Chir Ital** 1985 Apr;37(2):183-8 (Eng. Abstr.) **(Ita)**

[Unusual association of squamous and follicular carcinoma of the thyroid] Sussi PL, et al. **Chir Ital** 1983 Apr; 35(2):228-33 (Eng. Abstr.) **(Ita)**

[A neurinoma localized first in the popliteal sciatic nerve and later in the median nerve] Venturi R, et al. **Chir Organi Mov** 1982-83;68(4-6):797-810 (Eng. Abstr.) **(Ita)**

[Concomitance of gastric epithelioid leiomyosarcoma, functional extra-adrenal paraganglioma and chondroma of the lung] Bigotti G, et al. **Clin Ter** 1984 Aug 15; 110(3):271-5 (Eng. Abstr.) **(Ita)**

[The so-called multiple leiomyomatous hamartoma of the lung] Campioni N, et al. **Clin Ter** 1985 Mar 31;112(6):551-6 (Eng. Abstr.) **(Ita)**

[Epidermic nevus syndrome of Solomon. Verruco-sebaceous nevus with syringocystadenoma papilliferum and pilomatrixoma] Aloi FG, et al. **G Ital Dermatol Venereol** 1984 Nov-Dec;119(6):401-5 (Eng. Abstr.) **(Ita)**

[Multiple trichoepithelioma, cylindroma, eccrine spiradenoma present in the same family. Histologic and histopathogenetic considerations] Cecchi R, et al. **G Ital Dermatol Venereol** 1985 Mar-Apr;120(2):149-52 (Eng. Abstr.) **(Ita)**

[Multiple neoplastic combinations in the aged. Case contribution] Pupillo M, et al. **Minerva Med** 1985 Apr 28; 76(17-18):859-64 (Eng. Abstr.) **(Ita)**

[Initially aleukemic granulocytic sarcoma of the breast] Lamendola MG, et al. **Pathologica** 1984 Nov-Dec; 76(1046):677-89 (Eng. Abstr.) **(Ita)**

[A case of multiple carcinomas of the colon and rectum associated with ulcerative colitis] Inaba S, et al. **Gan No Rinsho** 1985 May;31(5):569-75 (Eng. Abstr.) **(Jpn)**

[Adenosquamous carcinoma arising in a dermoid cyst (benign cystic teratoma) of the ovary--a case report] Irie J, et al. **Gan No Rinsho** 1984 Nov;30(14):1840-4 (Eng. Abstr.) **(Jpn)**

[Initial phase of Borrmann type-IV carcinoma of the stomach suggested from observations of early gastric carcinoma arising in breast cancer patients] Iwanaga T, et al. **Gan No Rinsho** 1984 Oct;30(13):1651-6 (Eng. Abstr.) **(Jpn)**

[Primary adenosquamous carcinoma of the stomach--a case report] Matsumoto K, et al. **Gan No Rinsho** 1984 Oct; 30(13):1726-31 (Eng. Abstr.) **(Jpn)**

[Coexisting malignant lymphoma and advanced adenocarcinoma of the colon--a case report] Moriya Y, et al. **Gan No Rinsho** 1985 Jun;31(7):894-9 (Eng. Abstr.) **(Jpn)**

[A case of oral florid papillomatosis combined with gastroduodenal polyposis] Sato H, et al. **Gan No Rinsho** 1985 May;31(5):563-8 (Eng. Abstr.) **(Jpn)**

[Adenocarcinoma of the esophagus (early stage) concomitant with lung cancer--a case report] Shima S, et al. **Gan No Rinsho** 1985 Feb;31(2):193-8 (Eng. Abstr.) **(Jpn)**

[Multiple duodenal carcinomas associated with multiple gastric cancers] Shimoda S, et al. **Gan No Rinsho** 1984 Nov; 30(14):1819-22 (Eng. Abstr.) **(Jpn)**

[A report of five cases of multiple cancer with hematologic malignancies] Sugiura K, et al. **Gan No Rinsho** 1985 Jul; 31(8):963-8 (Eng. Abstr.) **(Jpn)**

[An extremely rare autopsy case of cardiac liposarcoma and Brenner tumor] Suzuki T, et al. **Gan No Rinsho** 1985 Apr; 31(4):434-40 (Eng. Abstr.) **(Jpn)**

[2 cases of the independent coexistence of early cancer and leiomyosarcoma in the same stomach] Tada I, et al. **Gan No Rinsho** 1984 Nov;30(14):1812-8 (Eng. Abstr.) **(Jpn)**

[A case of malignant clear cell hidradenoma of the skin presumably arising from adenoma] Tanino M, et al. **Gan No Rinsho** 1984 Nov;30(14):1845-8 (Eng. Abstr.) **(Jpn)**

[Malignant schwannoma arising in Recklinghausen's disease--report of 4 cases] Uehara T, et al. **Gan No Rinsho** 1985 Mar;31(3):308-17 (Eng. Abstr.) **(Jpn)**

[Ganglioneuromatosis with carcinoid foci in the large bowel] Uehara T, et al. **Gan No Rinsho** 1985 Jul;31(8):997-1004 (Eng. Abstr.) **(Jpn)**

[A case report of a double cancer of the ureter and stomach] Yamamoto H, et al. **Gan No Rinsho** 1985 Feb;31(2):206-11 (Eng. Abstr.) **(Jpn)**

[Hemangiopericytoma of the prostate: a case report] Ishiguro K, et al. **Hinyokika Kiyo** 1984 Jul;30(7):931-4 (Eng. Abstr.) **(Jpn)**

[A case of primary adenocarcinoma of the urinary bladder occurring in a patient with type 1 multiple endocrine adenomatosis (MEA)] Takasi M, et al. **Hinyokika Kiyo** 1985 Mar;31(3):499-506 (Eng. Abstr.) **(Jpn)**

[Clinical studies of bilateral germ cell tumor of the testis: report of 3 cases and review of the literature] Tsunekawa T, et al. **Hinyokika Kiyo** 1984 Sep;30(9):1275-84 (Eng. Abstr.) **(Jpn)**

[A case of triple carcinomas including esophageal carcinoma and a survey of the literature] Uchida Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Apr 20;19(3):543-8 (Eng. Abstr.) **(Jpn)**

[Bilateral breast carcinoma] Kasumi F. **Nippon Geka Gakkai Zasshi** 1985 Mar;86(3):266-79 (60 ref.) (Eng. Abstr.) **(Jpn)**

[Morphological and immunocytochemical studies of pancreatic multiple endocrine neoplasia type-1] Yonemura U, et al. **Nippon Geka Gakkai Zasshi** 1984 Aug;85(8):811-9 (Eng. Abstr.) **(Jpn)**

[A case of Sertoli cell tumor of the testis with prostatic cancer] Watanabe Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jul;75(7):1161-7 (Eng. Abstr.) **(Jpn)**

[A case of acute myelocytic leukemia in remission presenting bone marrow metastasis of gastric cancer] Kuwahara Y, et al. **Nippon Naika Gakkai Zasshi** 1984 Nov;73(11):1675-9 **(Jpn)**

[Osteoid oteoma associated with intraosseous meningioma. A case report] Konishi Y, et al. **No Shinkei Geka** 1984 Nov;12(12):1403-8 (Eng. Abstr.) **(Jpn)**

[Case of calcified prolactinoma combined with Rathke's cleft cysts] Matsumori K, et al. **No Shinkei Geka** 1984 Jun; 12(7):833-8 (Eng. Abstr.) **(Jpn)**

[An autopsy case of intracranial multiple meningiomas associated with extracranial multiple neurinomas] Watanabe M, et al. **No Shinkei Geka** 1984 Jul;12(8):995-9 (Eng. Abstr.) **(Jpn)**

[Leukemia and other neoplasms in patients with multiple myeloma] Kraj M, et al. **Nowotwory** 1985 Jan-Mar; 35(1):64-73 (Eng. Abstr.) **(Pol)**

[Malignant melanoma in a child with extensive vascular nevus] Krieger AM. **Patol Pol** 1984 Jul-Sep;35(3):397-402 (Eng. Abstr.) **(Pol)**

[Metastasis of one tumor into another in multiple primary neoplasms] Anichkov NM, et al. **Arkh Patol** 1985; 47(1):60-3 (Eng. Abstr.) **(Rus)**

[Multiple primary malignant paragangliomas of the bladder and retroperitoneal space] Nepomniashchaia KV. **Arkh Patol** 1985;47(4):54-7 (Eng. Abstr.) **(Rus)**

[Case of combined malignant adenoma of the hypophysis and astrocytoma] Tsibel' BN, et al. **Arkh Patol** 1985;47(4):60-2 (Eng. Abstr.) **(Rus)**

[Glomus tumor of the peritoneal cavity associated with lymphogranulomatosis] Zmeul VK, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):120-1 **(Rus)**

[Gottron's reticulosarcomatosis] Savitskaia LN, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):56-7 (Eng. Abstr.) **(Rus)**

[Multiple primary tumors with a lesion of the esophagus] Dulganov KP. **Vestn Khir** 1984 Oct;133(10):76-8 **(Rus)**

[Primary multiple involvement of the right lung with adenocarcinoma and carcinoid (a case report)] Malai EF, et al. **Vopr Onkol** 1984;30(11):93-4 **(Rus)**

[Multiple primary tumors complicating prostatic cancer] Samsonov VA. **Vopr Onkol** 1985;31(1):101-5 (Eng. Abstr.) **(Rus)**

[Manifestation of simultaneous bilateral primary bronchogenic carcinoma] Mrda V, et al. **Plucne Bolesti** 1984 Jul-Dec;36(3-4):208-12 (Eng. Abstr.) **(Scr)**

[Triple kidney tumor: diagnostic difficulty] Gelabert i Mas A, et al. **Actas Urol Esp** 1985 Mar-Apr;9(2):197-8 **(Spa)**

[Hypernephroma 8 years after transitional carcinoma of the bladder] Arango Toro OJ, et al. **Arch Esp Urol** 1985 Jan-Feb;38(1):63-4 (Eng. Abstr.) **(Spa)**

[Germinal tumor of the testicle, renal adenocarcinoma and tumor of the contralateral superior urothelium in the same patient: infrequent association of tumoral pathology] Pérez-Castro Ellendt E, et al. **Arch Esp Urol** 1984 Nov-Dec;37(6):526-32 (Eng. Abstr.) **(Spa)**

[Double primary neoplasms of the bladder and rectum (letter)] Bonet Sol J, et al. **Med Clin (Barc)** 1984 Sep 22; 83(8):352 **(Spa)**

[Metastasis of breast cancer and secondary acute myeloblastic leukosis. Simultaneous bone marrow infiltration] Muñiz-Díaz E, et al. **Med Clin (Barc)** 1985 Feb 9; 84(5):195-8 (Eng. Abstr.) **(Spa)**

[Multiple clear-cell acanthoma] Bordas X, et al. **Med Cutan Ibero Lat Am** 1984;12(6):457-60 (Eng. Abstr.) **(Spa)**

[Coexistence of lineal verrucous and pigmentocellular nevi] Sanchez-Pedreño P, et al. **Med Cutan Ibero Lat Am** 1984; 12(4):323-5 (Eng. Abstr.) **(Spa)**

[Association of medullary and papillary carcinoma of the thyroid] Rodríguez Doreste OL, et al. **Rev Clin Esp** 1984 Nov 15-30;175(3-4):175-8 **(Spa)**

RADIOGRAPHY

Computerized tomography in the diagnosis of lymphangioleiomyomatosis. Merchant RN, et al. **Am Rev Respir Dis** 1985 Feb;131(2):295-7

Childhood multifocal osteosarcoma. Clinicopathologic and radiologic correlates. Parham DM, et al. **Cancer** 1985 Jun 1;55(11):2653-8

Left-sided large tumour. Hillerdal G. **Eur J Respir Dis** 1984 Nov;65(8):611-2

Multiple meningiomas diagnosed by computed tomography. Federico F, et al. **Ital J Neurol Sci** 1984 Sep;5(3):295-8

Multiple calcified chondrohamartomas of the lung: CT appearance. Bennett LL, et al. **J Comput Assist Tomogr** 1985 Jan-Feb;9(1):180-2 (11 ref.)

Cardiac tumor associated with tuberous sclerosis: CT diagnosis. Cornalba G, et al. **J Comput Assist Tomogr** 1985 Jul-Aug;9(4):809-11

Computed tomography appearances in the linear sebaceous naevus syndrome. Levin S, et al. **Neuroradiology** 1984; 26(6):469-72

Computerized tomography of combined carcinomas arising in pleomorphic adenoma. Farman AG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):96-101

Multifocal nephroblastomatosis: clinical significance and imaging. Montgomery P, et al. **Pediatr Radiol** 1984; 14(6):392-5

Bilateral synchronous renal cancer. Yashiro N, et al. **Radiat Med** 1984 Apr-Jun;2(2):123-30

Metastatic cervical carcinoma masquerading as bilateral renal abscesses. Reznicek SB, et al. **Urology** 1985 Feb;25(2):174-5

[Radiologic diagnosis of multiple foci carcinoma of the esophagus (report of four cases)] Huang ZY. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Aug;18(3):182-4 (Eng. Abstr.) **(Chi)**

[Interventional radiologic procedures in bilateral masses of the renal parenchyma] Mansfeld L, et al. **Radiol Diagn (Berl)** 1984;25(6):677-87 (Eng. Abstr.) **(Ger)**

[Computed tomographic detection of a bilateral choroidal osteoma] Tschakert H, et al. **ROFO** 1985 Jul;143(1):113-5 **(Ger)**

[A case of simultaneous triple cancer] Nakajima H, et al. **Rinsho Hoshasen** 1985 Apr;30(4):513-6 (Eng. Abstr.) **(Jpn)**

[Study of multiple gastric cancer] Shirai M, et al. **Rinsho Hoshasen** 1984 Jul;29(7):761-6 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Scintigraphic demonstration of coexisting adenoma and metastasis of the adrenal gland in a patient with bronchogenic carcinoma. Hoshi H, et al. **Clin Nucl Med** 1984 Dec;9(12):717-8

[Scintigraphic diagnosis of multiple pheochromocytomas in childhood with 131I-m-benzylguanidine] Koletzko S, et al. **Monatsschr Kinderheilkd** 1984 Oct;132(10):791-6 (Eng. Abstr.) **(Ger)**

SECONDARY

Metastatic neuroblastoma of the jaws. Newland JR, et al. **J Oral Maxillofac Surg** 1985 Jul;43(7):549-53

Spontaneous maturation in the metastatic region of a bilateral testicular germ cell tumor. Asano S, et al. **Urol Int** 1984; 39(6):361-5

SURGERY

Giant congenital nevus as a basis for the development of malignant melanoma. Zielinski A, et al. **Acta Chir Plast** 1985;27(2):98-103

Three synchronous multiorgan primary cancers. All stage I. Patel S, et al. **Arch Surg** 1985 Oct;120(10):1182-4

Double carcinoid of the gastrointestinal tract. Miller SW, et al. **Br J Clin Pract** 1985 Apr;39(4):156

Multiple colonic carcinoid tumours in a child. La Ferla G, et al. **Br J Surg** 1984 Nov;71(11):843

Adenocarcinoma in a cecal neovagina--complication of irradiation: report of a case and review of literature. Andryjowicz E, et al. **Gynecol Oncol** 1985 Jun;21(2):235-9

Lipoma and fibroma occurring in the same foot. A case report. Chagares WE, et al. **J Am Podiatr Med Assoc** 1985 Jan;75(1):34-6

Oral papillomatosis treated with cryotherapy: a case report. Aggarwal SP, et al. **J Dent** 1984 Sep;12(3):268-71

Stellate subperichondrial repair of a double ear cancer. Maliner JS. **J Dermatol Surg Oncol** 1984 Oct;10(10):826-9

Coexistent benign teratomas of the omentum and ovary. A case report. Compton AA, et al. **J Reprod Med** 1985 Mar; 30(3):209-10

Coexistence of aldosteronoma and pheochromocytoma in an adrenal gland. Wajiki M, et al. **J Surg Oncol** 1985 Jan; 28(1):75-8

Diagnosis and management of synchronous lung cancers. Ferguson MK, et al. **J Thorac Cardiovasc Surg** 1985 Mar; 89(3):378-85

Role of the CO2 laser in the management of localized carcinoma of the oral cavity. Emphasis on second primary malignancies. Adams GL, et al. **Minn Med** 1985 Apr; 68(4):285-9

Cerebral glioblastomas can be cured! Bucy PC, et al. **Neurosurgery** 1985 May;16(5):714–7

Postoperative regression of opticochiasmatic astrocytoma: a case for expectant therapy. Venes JL, et al. **Neurosurgery** 1984 Sep;15(3):421–3

Trichoepithelioma: successful treatment with the argon laser. Flores JT, et al. **Plast Reconstr Surg** 1984 Nov;74(5):694–8

Therapeutic options for synchronous malignancies of the colon. Pederson WC, et al. **South Med J** 1984 Sep; 77(9):1199–201

The management of patients with carcinomas in fibroadenomatous tumors of the breast. Ozzello L, et al. **Surg Gynecol Obstet** 1985 Feb;160(2):99–104

[Anatomoclinical conference of the Department of Internal Medicine and the Institute of Pathology of the Vaud University Hospital Center, Lausanne. Pathological abdominal mass after double cancer] Gonvers JJ, et al. **Rev Med Suisse Romande** 1985 Feb;105(2):173–9 **(Fre)**

[Quadruple metachronous large intestine cancer] Hermann W, et al. **Zentralbl Chir** 1985;110(5):316–22 **(Ger)**

[Malignant gastrinoma] Kändler C, et al. **Zentralbl Chir** 1985; 110(5):305–10 **(Ger)**

[Therapy and course of a malignant double melanoma] Richter P, et al. **Zentralbl Gynakol** 1985;107(12):769–71 (Eng. Abstr.) **(Ger)**

[Multiple carcinomas of the large intestine] Di Giorgio A, et al. **Minerva Chir** 1985 Mar 31;40(6):305–12 (Eng. Abstr.) **(Ita)**

[A case of simultaneous surgery for primary double cancer of the stomach and kidney] Yoshizumi Y, et al. **Gan No Rinsho** 1985 Apr;31(4):429–33 (Eng. Abstr.) **(Jpn)**

[A case of transitional cell carcinoma occurring in the bladder and bilateral renal pelvis] Numasato S, et al. **Hinyokika Kiyo** 1984 Dec;30(12):1827–33 (Eng. Abstr.) **(Jpn)**

[A surgical case of simultaneous bilateral double primary lung cancers] Yokoyama K, et al. **Kyobu Geka** 1985 Jun; 38(6):469–72 (Eng. Abstr.) **(Jpn)**

[Anesthetic management of a patient with multiple tumors of the larynx and bronchus] Taniguchi K, et al. **Masui** 1984 Oct;33(10):1150–2 (Eng. Abstr.) **(Jpn)**

[A case of Cronkhite-Canada syndrome with improvement of hypoproteinemia following gastroileocolectomy] Uchida J, et al. **Nippon Naika Gakkai Zasshi** 1984 Oct; 73(10):1490–6 **(Jpn)**

[Cerebellar hemangioblastoma developing after nephrectomy for renal cell carcinoma] Hara H, et al. **No Shinkei Geka** 1984 Dec;12(13):1529–33 (Eng. Abstr.) **(Jpn)**

[Treatment of multiple primary tumors of the large intestine] Linchenko IF, et al. **Klin Khir** 1985 Feb;(2):33–6 (Eng. Abstr.) **(Rus)**

[Surgical results in patients with multiple polyps of the large intestine] Fedorov VD, et al. **Klin Med (Mosk)** 1985 Jan; 63(1):106–10 (Eng. Abstr.) **(Rus)**

[Surgical treatment of diffuse polyposis of the large intestine] Baltaĭtis IuV, et al. **Vestn Khir** 1985 May;134(5):62–6 (Eng. Abstr.) **(Rus)**

[Multiple synchronous primary gastric cancers] Britvin AA, et al. **Vestn Khir** 1984 Nov;133(11):71 **(Rus)**

[Surgical tactics in small polyps in patients with polyposis of the large intestine] Fedorov VD, et al. **Vestn Khir** 1984 Aug;133(8):42–5 (Eng. Abstr.) **(Rus)**

[Single-stage operation for synchronous multiple primary cancer of the lung and stomach] Uspenskiĭ LV, et al. **Vestn Khir** 1984 Sep;133(9):57–60 **(Rus)**

[Multiple primary cancer in 1 lung] Trakhtenberg AKh, et al. **Vopr Onkol** 1985;31(2):17–25 (Eng. Abstr.) **(Rus)**

THERAPY

Value of therapeutic hyperthermic limb perfusion in advanced recurrent melanoma of the lower extremity. Storm FK, et al. **Am J Surg** 1985 Jul;150(1):32–5

Radiation-induced esophageal carcinoma responded well to hyperthermic chemotherapy—a case report. Kai H, et al. **Jpn J Surg** 1985 May;15(3):225–9

[Intra-arterial infusion chemotherapy and transcatheter arterial chemo-embolization for patients with simultaneous bilateral breast cancer] Takatsuka Y, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):1143–6 (Eng. Abstr.) **(Jpn)**

VETERINARY

Intraductal mammary carcinoma and benign ovarian teratoma in a rhesus monkey. Eydelloth RS, et al. **J Med Primatol** 1983;12(2):101–5

A seminoma and a leiomyosarcoma in an albino African lungfish (Protopterus dolloi). Hubbard GB, et al. **J Wildl Dis** 1985 Jan;21(1):72–4

Multiple cutaneous papillomas and carcinomas that develop spontaneously in a mouse mutant, the repeated epilation heterozygote Er/+. Lutzner MA, et al. **JNCI** 1985 Jul; 75(1):161–6

Meningeal hemangioma and renal hamartoma in a heifer. Hodgin EC. **Vet Pathol** 1985 Jul;22(4):420–1

[A mixed mamma tumor, a theca cell tumor and a leiomyoma in a bitch] Röcken H. **Berl Munch Tierarztl Wochenschr** 1985 Jun 1;98(6):220–1 (Eng. Abstr.) **(Ger)**

NEOPLASMS, MUSCLE TISSUE

CONGENITAL

Congenital smooth muscle hamartoma masquerading as congenital pigmented nevus. Hanke CW, et al. **J Dermatol Surg Oncol** 1985 Jul;11(7):714–7

PATHOLOGY

Myoid hamartomas of the breast. Daroca PJ Jr, et al. **Hum Pathol** 1985 Mar;16(3):212–9

NEOPLASMS, NERVOUS TISSUE

CLASSIFICATION

Revision of the World Health Organization classification of brain tumors for childhood brain tumors. Rorke LB, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1869–86

IMMUNOLOGY

Phenotyping of 60 cultured human gliomas and 34 other neuroectodermal tumors by means of monoclonal antibodies against glioma, melanoma and HLA-DR antigens. de Muralt B, et al. **Eur J Cancer Clin Oncol** 1985 Feb;21(2):207–16

MICROBIOLOGY

Undifferentiated neuroectodermal tumors induced by human adenovirus type 31 in Syrian hamsters. Mizobuchi K, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1313–26

OCCURRENCE

Neurogenic tumors of head and neck: study of 171 cases. Cutchavaree A, et al. **J Med Assoc Thai** 1984 Oct; 67(10):549–52

PATHOLOGY

Myelin-associated glycoprotein in neurogenic tumours of the skin: an immunohistological study using Leu-7 monoclonal antibody. Smolle J, et al. **Arch Dermatol Res** 1985; 277(2):141–2

Small bowel neoplasm [letter] Herrera GA. **Dig Dis Sci** 1985 Jul;30(7):698

SURGERY

[Neurogenic tumors of the mediastinum] Sun YE. **Chung Hua Wai Ko Tsa Chih** 1984 Oct;22(10):588–90, 637 (Eng. Abstr.) **(Chi)**

ULTRASTRUCTURE

Coexpression of neuroendocrine markers and epithelial cytoskeletal proteins in bronchopulmonary neuroendocrine neoplasms. Blobel GA, et al. **Lab Invest** 1985 Jan; 52(1):39–51

NEOPLASMS, RADIATION-INDUCED

Bilateral breast cancer and radiotherapy for asthma [letter] Love RR, et al. **Ann Intern Med** 1985 Jan;102(1):132–3

Postirradiation malignant fibrous histiocytoma. Goette DK, et al. **Arch Dermatol** 1985 Apr;121(4):535–8

Angiomatoid malignant fibrous histiocytoma associated with marked bleeding arising in chronic radiodermatitis. Yamamoto Y, et al. **Arch Dermatol** 1985 Feb;121(2):275–6

Radiation-induced breast cancer [letter] **Arch Intern Med** 1985 Mar;145(3):574–5

Radiation-associated recurrent parathyroid adenoma. Rajatanavin R, et al. **Arch Intern Med** 1985 Jan; 145(1):154–5

Ultraviolet carcinogenesis in the hairless mouse skin. Influence of the sunscreen 2-ethylhexyl-p-methoxycinnamate. Gallagher CH, et al. **Aust J Exp Biol Med Sci** 1984 Oct;62 (Pt 5):577–88

Assessment of risk from low-level exposure to radiation and chemicals. A critical overview. **Basic Life Sci** 1985; 33:1–529

Astrocytoma following scalp radiotherapy in infancy. Zochodne DW, et al. **Can J Neurol Sci** 1984 Nov; 11(4):475–8

Squamous cell carcinoma of the head and neck after radiation therapy for Hodgkin's disease. A report of two cases and a review of the literature. Wallner KE, et al. **Cancer** 1985 Sep 1;56(5):1052–5

Adenocarcinoma and colitis cystica profunda in a radiation-induced colonic stricture. Valiulis AP, et al. **Dis Colon Rectum** 1985 Feb;28(2):128–31

Lymphangiosarcoma of the edematous thigh after radiation therapy for carcinoma of the vulva. Huey GR, et al. **Gynecol Oncol** 1985 Mar;20(3):394–401

An estimate of the somatically effective dose from diagnostic radiology in the Netherlands during 1976–1980. Beentjes LB, et al. **Health Phys** 1984 Aug;47(2):299–304

Second cancer in relation to radiation treatment for cervical cancer. International Radiation Study Group on cervical cancer. **IARC Sci Publ** 1983;(52):1–207

Oncogenic transformation with radiation and chemicals. Hall EJ, et al. **Int J Radiat Biol** 1985 Jul;48(1):1–18 (36 ref.)

Multiple primary malignancies [letter] Hoffman RS, et al. **J Clin Oncol** 1984 Nov;2(11):1305

Cutaneous malignant melanoma and fluorescent lighting. English DR, et al. **JNCI** 1985 Jun;74(6):1191–7

Simultaneous presentation of relapsing Hodgkin's disease and treatment-related non-Hodgkin's lymphoma. Perri RT, et al. **Med Pediatr Oncol** 1985;13(3):122–5

Functional and morphological abnormalities of the parathyroid glands as late effects of irradiation for benign diseases] van Daal WA, et al. **Neth J Med** 1985;28(4):153–6

Radiation-induced breast cancer. Hildreth NG. **NY State J Med** 1984 Dec;84(12):588–9

Second nonocular tumors in retinoblastoma survivors. Are they radiation-induced? Abramson DH, et al. **Ophthalmology** 1984 Nov;91(11):1351–5

Influence of age on life shortening and tumor induction after X-ray and neutron irradiation. Covelli V, et al. **Radiat Res** 1984 Nov;100(2):348–64

Squamous cell carcinoma in the jaws of beagles exposed to 90Sr throughout life: beta flux measurements at the mandible and tooth surfaces and a hypothesis for tumorigenesis. Parks NJ, et al. **Radiat Res** 1984 Oct; 100(1):139–56

Skin cancer incidence among children irradiated for ringworm of the scalp. Shore RE, et al. **Radiat Res** 1984 Oct;100(1):192–204

[Radiation-induced colorectal cancer. A review and 4 case reports] Harling H. **Ugeskr Laeger** 1984 Nov 19; 146(47):3655–8 (Eng. Abstr.) **(Dan)**

[Induction of leukemias and carcinomas by ionizing radiation] Flemming K. **Lebensversicherungsmedizin** 1985 Jul 1; 37(4):109–15 (20 ref.) (Eng. Abstr.) **(Ger)**

[Cancer of the gastrointestinal tract following radiotherapy] Kehl O, et al. **Schweiz Rundsch Med Prax** 1984 Oct 30; 73(44):1333–4 (Eng. Abstr.) **(Ger)**

[Mechanism of cancer induction by radiation] Tanooka H. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1439–44 (Eng. Abstr.) **(Jpn)**

['International cooperation in cancer research' research on radiation carcinogenicity] Kato H. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):585–8 (Eng. Abstr.) **(Jpn)**

[A case of thorotrast-induced malignant hemangioendothelioma of the liver: rapid progress in 4 months] Tsuji H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Feb;82(2):324–9 **(Jpn)**

[Combined effect of radiation and chemical carcinogens] Moskalev IuI, et al. **Med Radiol (Mosk)** 1984 Sep;29(9):50–9 (36 ref.) **(Rus)**

ANALYSIS

NMR study of in vivo RIF-1 tumors. Analysis of perchloric acid extracts and identification of 1H, 31P and 13C resonances. Evanochko WT, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):104–16

BLOOD

X-ray and UV-radiation sensitivity of circulating lymphocytes in multiple epidermal cancer in relation to previous radiation exposure. Munch-Petersen B, et al. **Radiat Res** 1985 Sep;103(3):432–40

COMPLICATIONS

Meningioma and occlusive vasculopathy: coexisting complications of past extracranial radiation. Montanera W, et al. **Surg Neurol** 1985 Jul;24(1):35–9

DIAGNOSIS

Breast cancer following radiation exposure. Gunn LC. **IMJ** 1984 Sep;166(3):155–6

Carcinogenic effect of very low doses of antenatal ionizing radiation. Sinha N, et al. **Indian J Cancer** 1984 Mar–Apr; 21(1):36–44

ENZYMOLOGY

[Neutral DNAse activity in rat tissues in radiation carcinogenesis] Kerova NI, et al. **Eksp Onkol** 1984; 6(1):36–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Alterations to eye structures in hairless mice by long-term ultraviolet irradiation. A histopathological study. Vangsted P. **Acta Ophthalmol (Copenh)** 1985 Apr;63(2):199–206

Late complications after irradiation treatment for cervical adenitis in childhood. A 60-year follow-up study. Bergström B, et al. **Acta Otolaryngol (Stockh)** 1985 Jul–Aug;100(1–2):151–60

Postirradiation hemangiosarcoma of the chest wall. Report of a case. Lo TC, et al. **Acta Radiol [Oncol]** 1985 May–Jun; 24(3):237–40

Cohort study of the long-term effect of irradiation for carcinoma of the uterine cervix. Second primary malignancies in the pelvic organs in women irradiated for cervical carcinoma at Radiumhemmet 1914–1965. Pettersson F, et al. **Acta Radiol [Oncol]** 1985 Mar–Apr; 24(2):145–51

The neoplastic potential of gastric irradiation. IV. Risk estimates. Griem ML, et al. **Am J Clin Oncol** 1984 Dec; 7(6):675–7

Malignant evolution of an ACTH-producing pituitary tumor treated with intrasellar implantation of 90Y. Case report

EWARK PUBLIC LIBRAR

and review of the literature. Papotti M, et al. **Appl Pathol** 1984;2(1):10–21

Non–melanotic skin cancer and solar keratoses in Victoria––clinical studies II. Goodman GJ, et al. **Australas J Dermatol** 1984 Dec;25(3):103–6

Sun exposure and the risk of melanoma. Green A. **Australas J Dermatol** 1984 Dec;25(3):99–102

Therapy–related acute myeloid leukemia and myelodysplastic syndrome: a clinical and morphologic study of 65 cases. Michels SD, et al. **Blood** 1985 Jun;65(6):1364–72

Cerebral glioma after cranial prophylaxis for acute lymphoblastic leukaemia. Judge MR, et al. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1038–9

Late effects of adjuvant radiotherapy for breast cancer. Ferguson DJ, et al. **Cancer** 1984 Dec 1;54(11):2319–23

Thyroid dysfunction and neoplasia in children receiving neck irradiation for cancer. Fleming ID, et al. **Cancer** 1985 Mar 15;55(6):1190–4

Postradiation osteogenic sarcoma of bone and soft tissues. A clinicopathologic study of 66 patients. Huvos AG, et al. **Cancer** 1985 Mar 15;55(6):1244–55

Enhancement of lung cancer by cigarette smoking in uranium and other miners. Archer VE. **Carcinog Compr Surv** 1985; 8:23–37

Development of transformed characteristics by sheep thyroid cells irradiated as differentiated primary cultures. Mothersill C, et al. **Cell Biol Int Rep** 1984 Oct;8(10):887–96

Complications of radiation therapy. Dalinka MK, et al. **CRC Crit Rev Diagn Imaging** 1985;23(3):235–67 (76 ref.)

Second cancers following antineoplastic therapy. Dorr FA, et al. **Curr Probl Cancer** 1985 Feb;9(2):1–43 (108 ref.)

Post–radiation subungual squamous cell carcinoma. Stone OJ, et al. **Cutis** 1985 Mar;35(3):272–5

Sarcomas arising after radiotherapy for peptic ulcer disease. Lieber MR, et al. **Dig Dis Sci** 1985 Jun;30(6):593–9

High mammary carcinogenicity of neutron irradiation in rats and its promotion by prolactin. Kamiya K, et al. **Gann** 1985 Jun;76(6):449–56

Synergistic effect of radiation and N–nitrosoethylurea in the induction of lymphoma in mice: cellular kinetics and carcinogenesis. Seyama T, et al. **Gann** 1985 Jan;76(1):20–7

Adenocarcinoma in a cecal neovagina––complication of irradiation: report of a case and review of literature. Andryjowicz E, et al. **Gynecol Oncol** 1985 Jun;21(2):235–9

Radiation and thyroid carcinoma: radiotherapy, head and neck regions, thyroid carcinoma. Auguste LJ, et al. **Head Neck Surg** 1985 Jan–Feb;7(3):217–24 (57 ref.)

A method of estimating the risks from ingested radionuclides. Maillie HD. **Health Phys** 1985 Feb;48(2):159–68

A case report of postradiation sarcoma. Yokoyama T, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):247–50

Basal cell carcinoma and breast carcinoma following repeated fluoroscopic examinations of the chest. Myskowski PL, et al. **Int J Dermatol** 1985 Mar;24(2):122–3

Radiation carcinogenesis in experimental animals and its implications for radiation protection. Broerse JJ, et al. **Int J Radiat Biol** 1985 Aug;48(2):167–87 (49 ref.)

Lung tumour induction in mice after uniform and non–uniform external thoracic X–irradiation. Coggle JE, et al. **Int J Radiat Biol** 1985 Jul;48(1):95–106

The induction by 224Ra of myeloid leukaemia and osteosarcoma in male CBA mice. Humphreys ER, et al. **Int J Radiat Biol** 1985 Mar;47(3):239–47

Breast carcinogenesis: risk of radiation. Levitt SH, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1421–3 (16 ref.)

A re–appraisal of risk factors for skin carcinoma in Ireland. A case control study. O'Loughlin C, et al. **Ir J Med Sci** 1985 Feb;154(2):61–5

Postirradiation angiosarcoma. Goette DK, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 2):922–6

Prospective serum thyroglobulin measurements in assessing the risk of developing thyroid nodules in patients exposed to childhood neck irradiation. Schneider AB, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):547–50

Lung cancer in Hodgkin's disease: association with previous radiotherapy. List AF, et al. **J Clin Oncol** 1985 Feb; 3(2):215–21

Basal–cell carcinoma resulting from radiation therapy for hypertrophic tonsils. Hanke CW, et al. **J Dermatol Surg Oncol** 1985 Feb;11(2):108–10

Influence of dietary lipid upon ultraviolet light–carcinogenesis. Black HS, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4–5):271–82

The combined effects of asbestos ingestion and localized X–irradiation of the colon in rats. Donham KJ, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4–5):299–308

Nitrogen mustard (mechlorethamine) and UVB photocarcinogenesis: a dose response effect. Epstein JH. **J Invest Dermatol** 1984 Nov;83(5):320–2

Malignant fibrous histiocytoma of maxilla following radiotherapy for bilateral retinoblastoma. Nishizawa S, et al. **J Laryngol Otol** 1985 May;99(5):501–4

Post–irradiation osteogenic sarcoma. Zachariades N, et al. **J Oral Maxillofac Surg** 1985 Apr;43(4):297–9

Salivary gland tumors induced by 32P. Espinal EG, et al. **J Oral Pathol** 1984 Dec;13(6):686–91

Pachydermoperiostosis with multiple basal cell carcinomata. Thomas RH, et al. **J R Soc Med** 1985 Apr;78(4):335–7

Postirradiation soft tissue sarcoma occurring in breast cancer patients: report of seven cases and results of combination chemotherapy. Kuten A, et al. **J Surg Oncol** 1985 Mar; 28(3):168–71

Acute leukaemia following malignant ependymoma: a case report. Pai MR, et al. **J Surg Oncol** 1985 May;29(1):1–4

Malignant mixed mesodermal tumor of bladder occurring after radiotherapy for cervical cancer: report of a case. Kanno J, et al. **J Urol** 1985 May;133(5):854–6

Irradiation and prolactin effects on rat mammary carcinogenesis: intrasplenic pituitary and estrone capsule implants. Clifton KH, et al. **JNCI** 1985 Jul;75(1):167–75

Changing sensitivity of neonatal rats to tumorigenic effects of N–nitroso–N–ethylurea and X–radiation, given singly or combined. Knowles JF. **JNCI** 1985 Apr;74(4):853–7

Enhancement of two–stage skin carcinogenesis by exposure of distant skin to UV radiation. Strickland PT, et al. **JNCI** 1985 May;74(5):1129–34

Thorotrast–induced multiple primary malignant tumors of the liver––cholangiocarcinoma and malignant hemangioendothelioma. Sakai K, et al. **Jpn J Clin Oncol** 1984 Sep;14(3):411–6

Radiation–induced thyroid cancer [editorial] **Lancet** 1985 Jul 6;2(8445):21–2

Adenoid cystic carcinoma of the nasopharynx after previous adenoid irradiation. Sofferman RA, et al. **Laryngoscope** 1985 Apr;95(4):458–61

X–radiation carcinogenesis in humans. Rosen P. **Med Hypotheses** 1985 Jan;16(1):33–7

Radiation–induced tumors of the head and neck following childhood irradiation. Prospective studies. Schneider AB, et al. **Medicine (Baltimore)** 1985 Jan;64(1):1–15

Sunlight and skin cancer [editorial] Fitzpatrick TB, et al. **N Engl J Med** 1985 Sep 26;313(13):818–20

Sunlight exposure as risk factor for intraocular malignant melanoma. Tucker MA, et al. **N Engl J Med** 1985 Sep 26;313(13):789–92

Radiation necrosis of the brain: time of onset and incidence related to total dose and fractionation of radiation. Safdari H, et al. **Neuroradiology** 1985;27(1):44–7

Retropharyngeal fibrosarcoma following radiation therapy for Hodgkin's lymphoma of the neck. Spiegel J, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):274–7

Risk of cutaneous carcinoma in psoriatic patients treated with PUVA. Eskelinen A, et al. **Photodermatol** 1985 Feb; 2(1):10–4

Effect of dose rate on the induction of experimental lung cancer in hamsters by alpha radiation. Little JB, et al. **Radiat Res** 1985 Aug;103(2):293–9

Malignancies induced by low dose ionizing radiation: consequences for diagnostic radiology. Matthews IP, et al. **Radiography** 1984 Nov–Dec;50(594):277–80

Cancer incidence among workers exposed to radon and thoron daughters at a niobium mine. Solli HM, et al. **Scand J Work Environ Health** 1985 Feb;11(1):7–13

Bladder cancer after pelvic irradiation for cervical cancer. Kaplan J, et al. **South Med J** 1985 Sep;78(9):1068–70

Thyroid cancer after exposure to radioiodine. Holm LE. **Strahlenschutz Forsch Prax** 1985;25:36–56 (66 ref.)

Radiation induced carcinoma of the larynx. Amendola BE, et al. **Surg Gynecol Obstet** 1985 Jul;161(1):30–2

[Hematologic changes after a nuclear explosion] Dienstbier Z. **Cas Lek Cesk** 1985 Aug 2;124(31):961–4 (Eng. Abstr.) **(Cze)**

[Late results of nuclear and chemical weapons in man] Dienstbier Z. **Cas Lek Cesk** 1984 Dec 14;123(50):1521–3 (Eng. Abstr.) **(Cze)**

[The carcinogenic role of earlier x–ray irradiation of multiple epitheliomas of the back. Critical study of 15 personal cases] Colomb D, et al. **Ann Dermatol Venereol** 1985;112(1):13–9 (Eng. Abstr.) **(Fre)**

[Development of aggressive cystosarcoma phyllodes after conservative treatment of breast adenocarcinoma] Hulet A, et al. **Bull Cancer (Paris)** 1985;72(2):80–6 (Eng. Abstr.) **(Fre)**

[Bone sarcoma and malignant tumors of the retina] Schlienger P, et al. **Bull Cancer (Paris)** 1985;72(1):16–24 (Eng. Abstr.) **(Fre)**

[The new dose estimates for Hiroshima and Nagasaki and the consequences for those survivors exposed to low doses] Kellerer AM. **Strahlenschutz Forsch Prax** 1985;25:2–22 **(Ger)**

[Mechanisms of radiation–induced carcinogenesis: cell biological aspects and animal experimental studies] Streffer C. **Strahlenschutz Forsch Prax** 1985;25:127–43 (34 ref.) **(Ger)**

[Results of the German Thorotrast Study] van Kaick G. **Strahlenschutz Forsch Prax** 1985;25:23–35 **(Ger)**

[Cutaneous epitheliomas induced by ionizing radiation during radiotherapy. Presentation of 35 cases] Basso–Ricci S, et al. **Minerva Med** 1984 Nov 10;75(43):2603–7 (Eng. Abstr.) **(Ita)**

[Carcinogenesis following radiotherapy of benign head and neck diseases] Yuge K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Feb;88(2):238–41 **(Jpn)**

[The blastomogenic effect of 249Bk in rats] Moskalev IuI, et al. **Eksp Onkol** 1984;6(3):36–8 (Eng. Abstr.) **(Rus)**

[Long–term effects of chronic irradiation of rats at different dose rates] Boltsova VP, et al. **Radiobiologiia** 1984 Sep–Oct; 24(5):672–5 (Eng. Abstr.) **(Rus)**

[Long–term effects of combined exposure to external 137Cs gamma–radiation and incorporated 239Pu] Buldakov LA, et al. **Radiobiologiia** 1984 Sep–Oct;24(5):668–71 (Eng. Abstr.) **(Rus)**

[Carcinogenic effects of combined exposure to 241Am and gamma–radiation] Filippova LG, et al. **Radiobiologiia** 1984 Sep–Oct;24(5):675–8 (Eng. Abstr.) **(Rus)**

[Mathematical model of the sarcomagenic action of osteotropic alpha emitters] Petoian IM, et al. **Radiobiologiia** 1985 May–Jun;25(3):356–61 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the carcinogenic effects of chronic exposure to tritium oxide and external gamma–radiation] Revina VS, et al. **Radiobiologiia** 1984 Sep–Oct;24(5):697–700 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

The feasibility and urgency of monitoring human populations for the genetic effects of radiation: the Hiroshima–Nagasak experience. Neel JV. **Basic Life Sci** 1985;33:393–413

Experimental ultraviolet radiation carcinogenesis: I. Relationship of the major histocompatibility complex to tumor latency and immunogenecity. Roberts LK, et al. **Photodermatol** 1984 Apr;1(2):57–64

IMMUNOLOGY

Autochthonous murine tumors: effects of viral or ultraviolet induction, immunogenicity and transplantation on intratumoral macrophages and systemic inflammatory responses. Normann SJ, et al. **Eur J Cancer Clin Oncol** 1985 Jan;21(1):119–25

The effect of a sunscreen containing para–aminobenzoic acid on the systemic immunologic alterations induced in mice by exposure to UVB radiation. Morison WL. **J Invest Dermatol** 1984 Dec;83(6):405–8

Sunlight suppressing rejection of 280– to 320–nm UV–radiation–induced skin tumors in mice. Morison WL, et al. **JNCI** 1985 Feb;74(2):525–7

Effects of methoxsalen plus near–ultraviolet radiation or mid–ultraviolet radiation on immunologic mechanisms. Kripke ML. **Natl Cancer Inst Monogr** 1984 Dec;66:247–51

Skin cancer, photoimmunology, and urocanic acid [editorial] Kripke ML. **Photodermatol** 1984 Aug;1(4):161–3

Cross–reactive transplantation antigens between UV–irradiated skin and UV–induced tumors. Spellman CW, et al. **Photodermatol** 1984 Aug;1(4):164–9

Molecular characterization of novel H–2 class I molecules expressed by a C3H UV–induced fibrosarcoma. McMillan M, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5485–9

Immune response to ultraviolet–induced tumors. I. Transplantation immunity developing in syngeneic mice in response to progressor ultraviolet–induced tumors. Fortner GW, et al. **Transplantation** 1985 Jan;39(1):44–9

[NK activity in C57BL/Ka mice during the development of radiation–induced lymphomas] Noël A, et al. **C R Soc Biol (Paris)** 1985;179(2):271–5 (Eng. Abstr.) **(Fre)**

[Transplantation immunity to a UV–induced murine sarcoma by injection of a glycoprotein fraction from the tumor] Pasternak L, et al. **Arch Geschwulstforsch** 1985;55(1):17–21 (Eng. Abstr.) **(Ger)**

METABOLISM

Altered patterns of cutaneous xenobiotic metabolism in UVB–induced squamous cell carcinoma in SKH–1 hairless mice. Das M, et al. **J Invest Dermatol** 1985 Jun;84(6):532–6

Growth–related variations in the glycosaminoglycan synthesis of ultraviolet light–induced murine cutaneous fibrosarcoma cells. Piepkorn M, et al. **Lab Invest** 1985 Aug; 53(2):187–93

MICROBIOLOGY

Generation of lymphomagenic mouse type–C viruses from radiation– or chemically–induced non–producer T–cell lymphoma cell lines infected with non–oncogenic ecotropic virus. Yanagihara K, et al. **Gann** 1985 May;76(5):331–7

MORTALITY

Lung cancer among underground workers in the iron ore mine of Kiruna based on thirty years of observation. Jorgensen HS. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):371–7

Risk factors for radiogenic cancer: a comparison of factors derived from the Hanford survey with those recommended by the ICRP. Baverstock KF, et al. **Br J Ind Med** 1985 May;42(5):341–5

A note on 'Job related mortality risks of Hanford workers and their relation to cancer effects of measured doses of external radiation'. Gilbert ES, et al. **Br J Ind Med** 1985 Feb;42(2):137–9

Job related mortality risks of Hanford workers and their relation to cancer effects of measured doses of external radiation [letter] Stewart AM, et al. **Br J Ind Med** 1985 Aug;42(8):568–9

Radium luminizers––selection effects [letter] Sorahan T. **J Occup Med** 1985 Jan;27(1):7

Brain tumors at a nuclear facility [letter] Stewart A. **J Occup Med** 1985 Jun;27(6):399, 403

No extra cancer deaths noted from atomic studies [news] Marwick C. **JAMA** 1985 Aug 2;254(5):592, 595

A parallel analysis of cancer mortality among atomic bomb survivors and patients with ankylosing spondylitis given X–ray therapy. Darby SC, et al. **JNCI** 1985 Jul;75(1):1–21

[Analysis of the time of death of animals with malignant neoplasms and various non-neoplastic forms of the late sequelae of external and internal irradiation] Levdik TI, et al. **Gig Sanit** 1985 May;(5):34-7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Orwellian 'official science'? [letter] Hickey RJ. **Am J Epidemiol** 1985 Jul;122(1):194-5

The agent carrier and transfer approach to radiobiological responses. Bond VP, et al. **Basic Life Sci** 1985;33:483-506

Report of National Cancer Institute symposium: comparison of mechanisms of carcinogenesis by radiation and chemical agents. I. Common molecular mechanisms. Borg DC. **Basic Life Sci** 1985;33:17-42

Extrapolation from large-scale radiation exposures: cancer. Land CE. **Basic Life Sci** 1985;33:369-91

Second primary cancer following treatment for cervical cancer. Clarke EA, et al. **Can Med Assoc J** 1984 Sep 15; 131(6):553-6

The incidence of second neoplasms following megavoltage radiation for pediatric tumors. Potish RA, et al. **Cancer** 1985 Oct 1;56(7):1534-7

Health effects and risks from 222Rn in drinking water. Cross FT, et al. **Health Phys** 1985 May;48(5):649-70

Cancer risk from the lifetime intake of Ra and U isotopes. Mays CW, et al. **Health Phys** 1985 May;48(5):635-47

Incidence of gastric cancer in atomic bomb survivors residing in the Hiroshima area. Ito C, et al. **Hiroshima J Med Sci** 1984 Mar;33(1):47-52

Occupational exposure to electromagnetic fields and the occurrence of brain tumors. An analysis of possible associations. Lin RS, et al. **J Occup Med** 1985 Jun; 27(6):413-9

The influence of family history of cancer, irradiation and anticancer medication (mitomycin C), on the occurrence of multiple primary neoplasms with breast cancer--statistical analysis by the person-year method. Yoshimoto M, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:191-9

Prenatal X-ray exposure and childhood cancer in twins [letter] **N Engl J Med** 1985 Jun 13;312(24):1574-5

Prenatal x-ray exposure and childhood cancer in twins. Harvey EB, et al. **N Engl J Med** 1985 Feb 28;312(9):541-5

Prenatal x-ray exposure and twins [editorial] MacMahon B. **N Engl J Med** 1985 Feb 28;312(9):576-7

Thyroid cancer and TMI. Berkheiser SW. **Pa Med** 1985 May; 88(5):50-1

Dose response of radiation induced cancer. Kato H. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:169-73

NRC finds few risks for atomic vets [news] Smith RJ. **Science** 1985 Jun 21;228(4706):1409

Cutaneous carcinomas and soft tissue sarcomas induced by ionizing radiation therapy. Presentation of a series of 42 cases. Basso-Ricci S, et al. **Tumori** 1985 Feb 28;71(1):29-33

Cancer incidence among employees of the Lawrence Livermore National Laboratory, 1969-1980. Reynolds P, et al. **West J Med** 1985 Feb;142(2):214-8

[Evaluation of selected epidemiological studies on radiation-exposed groups] Kaul A, et al. **Strahlenschutz Forsch Prax** 1985;25:61-90 **(Ger)**

[Multiple primary malignant cancer and radiation induced cancer--a point of view of radiation oncology] Okawa T. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1561-9 (Eng. Abstr.) **(Jpn)**

[Multiple primary cancer and radiation-induced cancer of the uterine] Sakurai T, et al. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1587-93 (Eng. Abstr.) **(Jpn)**

[Radiation associated cancers among head and neck cancer patients] Shibuya H. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1570-7 (Eng. Abstr.) **(Jpn)**

[Occurrence of carcinoma of the vulva and vagina following irradiation of cervix carcinoma] Tsukiyama I, et al. **Gan No Rinsho** 1984 Aug;30(10):1285-9 (Eng. Abstr.) **(Jpn)**

[A study of the incidental rate of the radiation-induced cancer in the head and neck region] Uchida M. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1553-60 (Eng. Abstr.) **(Jpn)**

[Radiation-induced cancer] Yamashita H. **Gan No Rinsho** 1984 Sep;30(12 Suppl):1595-603 **(Jpn)**

[Incidence of cancer of the head and neck followed by irradiation for head and neck benign diseases. Analysis of possible cases of radiation induced cancer] Ichikawa K. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Nov;87(11):1494-502 (Eng. Abstr.) **(Jpn)**

[Current problems of the carcinogenic effect of small doses of radiation] Vasilenko IIa, et al. **Vopr Onkol** 1985; 31(4):3-11 (32 ref.) **(Rus)**

PATHOLOGY

Radiogenic neoplasia in the thyroid and mammary clonogens: progress, problems and possibilities. Clifton KH, et al. **Basic Life Sci** 1985;33:329-44

Report of National Cancer Institute symposium: comparison of mechanisms of carcinogenesis by radiation and chemical agents. II. Cellular and animal models. Fry RJ. **Basic Life Sci** 1985;33:43-63

Role of tumor promotion in affecting the multi-hit nature of carcinogenesis. Trosko JE, et al. **Basic Life Sci** 1985; 33:261-84

Leech salivary gland extract from Haementeria officinalis, a potent inhibitor of cyclophosphamide- and radiation-induced artificial metastasis enhancement. Gasic GJ, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5670-6

Single cell origin of radiation-induced thymic lymphoma in mice with cellular mosaicism. Bessho M, et al. **Gann** 1984 Nov;75(11):1002-5

The effects of pretreatment with stomach extract on the incidence of X-ray-induced gastric tumor in ICR mice. Watanabe H, et al. **Gann** 1984 Oct;75(10):884-8

Late sequelae of superficial irradiation. Hood IC, et al. **Head Neck Surg** 1984 Oct;7(1):65-72 (103 ref.)

Patterns of thymocyte differentiation markers on virus and radiation induced lymphomas of C57BL/Ka mice. Scott ML, et al. **Int J Radiat Oncol Biol Phys** 1985 Jan;11(1):71-8

Cutaneous metastasis of a radiation-associated thyroid medullary carcinoma. Bevilacqua G, et al. **J Endocrinol Invest** 1984 Dec;7(6):653-7

Radiation-induced fibrosarcoma of the thyroid. Tamada A, et al. **J Laryngol Otol** 1984 Oct;98(10):1063-6

Postirradiation cerebellar glioma. Case report. Raffel C, et al. **J Neurosurg** 1985 Feb;62(2):300-3

Flow cytometry of radiation-induced tumors in rats. Christov K, et al. **Neoplasma** 1985;32(3):335-40

Effect of dietary fat level on UV-B induced skin tumors, and anti-tumor action of beta-carotene. Mathews-Roth MM, et al. **Photochem Photobiol** 1984 Nov;40(5):671-3

Neoplastic transformation of neonatal mouse skin fibroblasts in culture after a single exposure to ultraviolet radiation in vivo. Ananthaswamy HN. **Photodermatol** 1984 Jun; 1(3):106-13

[An unusual form of neoplastic lymphangitis in an irradiated field] Dana M, et al. **Ann Dermatol Venereol** 1984; 111(9):799-802 (Eng. Abstr.) **(Fre)**

[Phenotype of thymocyte populations in C57BL/Ka mice during the development of radiation-induced lymphomas] Rongy AM, et al. **C R Soc Biol (Paris)** 1985;179(2):265-70 (Eng. Abstr.) **(Fre)**

[Sunbath, tanning booths and skin changes] Jung HD. **Z Arztl Fortbild (Jena)** 1985;79(2):49-50 **(Ger)**

[A case of squamous cell carcinoma of the palm invading along the ulnar nerve] Masahashi T, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Nov;94(13):1509-14 **(Jpn)**

PREVENTION & CONTROL

Selenium inhibits UV-light-induced skin carcinogenesis in hairless mice. Overvad K, et al. **Cancer Lett** 1985 Jun; 27(2):163-70

Inhibition of radiation carcinogenesis in mice by S-2-(3-aminopropylamino)-ethylphosphorothioic acid. Milas L, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5567-9

Community fear of nonionizing radiation: a field investigation. Daley ML, et al. **IEEE Trans Biomed Eng** 1985 Mar;32(3):246-8

Effect of sodium meclofenamate on ultraviolet radiation induced carcinogenesis. Ambrus JL, et al. **J Med** 1984; 15(3):161-8

Prevention of melanoma by recognition of its precursors [letter] Cohen HJ. **N Engl J Med** 1985 May 23;312(21):1388

Reduction in the incidence of radiation-induced tumors in rats after restriction of food intake. Gross L, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7596-8

Life span and tumor incidence in rats receiving postradiation treatment with ATP-AET-mexamine mixture. Benova DK, et al. **Radiat Res** 1985 Jan;101(1):207-11

Thyroid radiation absorbed dose from diagnostic procedures in U.S. population. Rosenberg RD, et al. **Radiology** 1985 Jul;156(1):183-5

[Methionine--possible means of preventing the late sequelae of irradiation] Miretskiĭ GI, et al. **Gig Sanit** 1984 Jul; (7):83-5 **(Rus)**

[Late radiation injuries of the skin of the head and their treatment] Bardychev MS, et al. **Med Radiol (Mosk)** 1985 Jun;30(6):7-11 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiation-induced esophageal carcinoma. O'Connell EW, et al. **Gastrointest Radiol** 1984;9(4):287-91

THERAPY

Effects of sequencing of the total course of combined hyperthermia and radiation on the RIF-1 murine tumor. Mittal B, et al. **Cancer** 1984 Dec 15;54(12):2889-97

Immunomodulation and therapeutic characterization of thymosin fraction five. Talmadge JE, et al. **Cancer Immunol Immunother** 1984;18(3):185-94

Radiation-induced esophageal carcinoma responded well to hyperthermic chemotherapy--a case report. Kai H, et al. **Jpn J Surg** 1985 May;15(3):225-9

ULTRASTRUCTURE

Cutaneous postirradiation sarcoma. Ultrastructural evidence of pluripotential mesenchymal cell derivation. Seo IS, et al. **Cancer** 1985 Aug 15;56(4):761-7

VETERINARY

Investigations of 90Sr in dogs. I. Pathogenesis of radiation-induced bone tumors. Nilsson A, et al. **Acta Radiol [Oncol]** 1985 Jan-Feb;24(1):95-111

NEOPLASMS, VASCULAR TISSUE

PATHOLOGY

Malignant endothelial neoplasm arising in the area of lymphangioma: immunohistochemical and ultrastructural observation. Nagata M, et al. **J Oral Pathol** 1984 Dec; 13(6):560-72

Ulex europeus I--peroxidase as a marker of vascular endothelium: its application in routine histopathology. Walker RA. **J Pathol** 1985 Jun;146(2):123-7

[Mediastinal tumor of vascular origin (a report of five cases)] Wang YH. **Chung Hua Fang She Hsueh Tsa Chih** 1984 May;18(2):121-3 (Eng. Abstr.) **(Chi)**

RADIOGRAPHY

[Castelman's tumor of the mesentery] Mirescu D, et al. **Radiol Med (Torino)** 1985 Mar;71(3):164-6 **(Ita)**

NEOPLASTIC ENDOCRINE-LIKE SYNDROMES

see related
HORMONES, ECTOPIC

Pancreatic islet cell tumor associated with Cushing's syndrome. Clark ES, et al. **Am J Surg Pathol** 1984 Dec; 8(12):917-24

[A case of SIADH without ectopic production of ADH from neoplasm, associated with superior vena cava syndrome caused by metastatic mediastinal tumor of pancreatic cancer] Yamaguchi T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Feb; 23(2):237-44 (Eng. Abstr.) **(Jpn)**

BLOOD

Concomitant suppression of plasma ACTH- and beta-endorphin-like immunoreactivity by cyproheptadine, naloxone, and somatostatin in the ectopic ACTH syndrome. Nakashima H, et al. **Horm Metab Res** 1985 Apr; 17(4):205-8

Identification of 1,24(R)-dihydroxyvitamin D3-like bone-resorbing lipid in a patient with cancer-associated hypercalcemia. Shigeno C, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):761-8

[Hypercalcemia of cancer and myeloma] Lemaire V. **Rev Rhum Mal Osteoartic** 1984 Dec 15;51(11):633-42 (72 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Cushing's syndrome due to an ACTH-producing neuroendocrine tumour in the nasal roof. Werner S, et al. **Acta Med Scand** 1985;217(2):235-40

Multihormonal carcinoid tumor of the pancreas. Secreting growth hormone-releasing factor as a cause of acromegaly. Berger G, et al. **Cancer** 1984 Nov 15;54(10):2097-108

Intramedullary spinal cord germinoma producing HCG and precocious puberty in a boy. Hisa S, et al. **Cancer** 1985 Jun 15;55(12):2845-9

Acute pancreatitis and Cushing's syndrome. Clague HW, et al. **Postgrad Med J** 1984 Sep;60(707):618-20

[Gynecomastia and cancer of the bladder: an ectopic secretion of chorionic gonadotropin hormone] Caron P, et al. **Ann Urol (Paris)** 1984 Feb;18(1):42-4 (Eng. Abstr.) **(Fre)**

[High calcitonin as a probable cause of sustained diarrhea in medullary carcinoma of the thyroid associated with Cushing's syndrome (letter)] Olcoz Goñi JL, et al. **Med Clin (Barc)** 1984 Sep 29;83(9):394 **(Spa)**

DIAGNOSIS

Cushing's syndrome produced by bronchial carcinoid associated with hypophyseal adenoma. Morán C, et al. **Arch Invest Med (Mex)** 1985 Jan-Mar;16(1):111-8 **(Eng, Spa)**

Hormone production by tumours: biological and clinical aspects. de Bustros A, et al. **Clin Endocrinol Metab** 1985 Feb;14(1):221-56 (250 ref.)

DRUG THERAPY

New somatostatin molecule for management of endocrine tumours. Bonfils S. **Gut** 1985 May;26(5):433-7

Treatment of patients with pancreatic endocrine tumours using a new long-acting somatostatin analogue symptomatic and peptide responses. Wood SM, et al. **Gut** 1985 May;26(5):438-44

ETIOLOGY

Cushing's disease associated with an intrasellar gangliocytoma producing corticotrophin-releasing factor. Asa SL, et al. **Ann Intern Med** 1984 Dec;101(6):789-93

A case of pituitary dependent Cushing's disease with clinical and biochemical features of the ectopic ACTH syndrome. Hale AC, et al. **Clin Endocrinol (Oxf)** 1985 Apr; 22(4):479-88

Adrenal rest tumor of the liver causing Cushing's syndrome: treatment with ketoconazole preceding an apparent surgical cure. Contreras P, et al. **J Clin Endocrinol Metab** 1985 Jan; 60(1):21-8

Acromegaly and Zollinger-Ellison syndrome secondary to

NEWARK PUBLIC LIBRARY

an islet cell tumor: characterization and quantification of plasma and tumor human growth hormone-releasing factor. Wilson DM, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):1002-5

Cushing's syndrome and pheochromocytoma caused by an adrenal tumor, also containing met-enkephalin and somatostatin: a case report. Bruining HA, et al. **World J Surg** 1985 Aug;9(4):639-42

[Tumors secreting choriogonadotropin in children] Roger M, et al. **Ann Med Interne (Paris)** 1984;135(5):381-4 (Eng. Abstr.) **(Fre)**

[Secondary polycythemia with hypererythropoietinemia. Supratentorial meningioma] Saint-Jean O, et al. **Rev Neurol (Paris)** 1985;141(2):143-5 (Eng. Abstr.) **(Fre)**

[A malignant insular pancreatic neoplasm associated with hypercalcemia] Vindigni C, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2-3):159-68 **(Ita)**

[Neoplasms producing steroid hormones: clinical picture and long-term observation of patients] Romer TE, et al. **Endokrynol Pol** 1984;35(6):407-17 (Eng. Abstr.) **(Pol)**

[Hypercalcemia in cancer] Radomyski A. **Pneumonol Pol** 1985 Feb;53(2):99-103 **(Pol)**

[Pseudopregnancy and gastric adenocarcinoma (letter)] Echániz A, et al. **Med Clin (Barc)** 1984 Sep 15;83(7):307-8 **(Spa)**

METABOLISM

Villous adenoma depletion syndrome. Evidence for a cyclic nucleotide-mediated diarrhea. Jacob H, et al. **Dig Dis Sci** 1985 Jul;30(7):637-41

Cushing's syndrome due to ectopic production of corticotropin-releasing factor. Belsky JL, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):496-500

PATHOLOGY

Ectopic adrenocorticotropic hormone (ACTH) syndrome [letter] Waldrop RD. **Arch Intern Med** 1985 Apr;145(4):761

Carcinoid tumor occurring in a teratoid malformation of the kidney. An immunohistochemical study. Fetissof F, et al. **Cancer** 1984 Nov 15;54(10):2305-8

SECRETION

Molecular forms of beta-endorphin in ACTH/LPH hypersecretion syndromes in man. Sheng SL, et al. **Horm Res** 1984;20(2):95-9

[Ectopic hormone production and gene expression in tumors] Saito S, et al. **Gan To Kagaku Ryoho** 1985 Jan;12(1):1-12 (66 ref.) (Eng. Abstr.) **(Jpn)**

SURGERY

Ectopic ACTH syndrome. Diagnostic and therapeutic aspects. Jex RK, et al. **Am J Surg** 1985 Feb;149(2):276-82

Neuroendocrine tumors of the gut. Durning P, et al. **World J Surg** 1985 Apr;9(2):348-60

THERAPY

Resolution of acromegaly, amenorrhea-galactorrhea syndrome, and hypergastrinemia after resection of jejunal carcinoid. Spero M, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):392-5

NEOPLASTIC TRANSFORMATION, CELL see **CELL TRANSFORMATION, NEOPLASTIC**

NEOPRENE see under **POLYENES**

NEORICKETTSIA see **RICKETTSIACEAE**

NEOSTIGMINE

ADVERSE EFFECTS

[Cardiac arrest after prostigmine during the acute phase of post-traumatic tetraplegia] Saissy JM. **Cah Anesthesiol** 1984 Jan-Feb;32(1):61-2 **(Fre)**

ANALYSIS

[The structure of degradation products of neostigmine bromide] Porst H, et al. **Pharmazie** 1985 May;40(5):325-8 (Eng Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Prevention of neostigmine-induced colonic activity. A comparison of atropine and glycopyrronium. Child CS. **Anaesthesia** 1984 Nov;39(11):1083-5

DIAGNOSTIC USE

[Use of selected pharmacological tests in the diagnosis of sinoatrial node insufficiency] Szponar M, et al. **Kardiol Pol** 1985;28(1):23-32 (Eng. Abstr.) **(Pol)**

METABOLISM

Metabolites of neostigmine and pyridostigmine do not contribute to antagonism of neuromuscular blockade in the dog. Hennis PJ, et al. **Anesthesiology** 1984 Nov;61(5):534-9

PHARMACODYNAMICS

Edrophonium and neostigmine for reversal of the neuromuscular blocking effect of vecuronium. Engbaek J, et al. **Acta Anaesthesiol Scand** 1985 Jul;29(5):544-6

Antagonism of pancuronium neuromuscular blockade in halothane-anesthetized ponies using neostigmine and edrophonium. Hildebrand SV, et al. **Am J Vet Res** 1984 Nov;45(11):2276-80

Effects of aminophylline, isoproterenol, and neostigmine on hypercapnic depression of diaphragmatic contractility. Howell S, et al. **Am Rev Respir Dis** 1985 Aug;132(2):241-7

Antagonism of phase II succinylcholine block by neostigmine. Donati F, et al. **Anesth Analg** 1985 Aug;64(8):773-6

Response differences of paretic and healthy extremities to pancuronium and neostigmine in hemiplegic patients. Iwasaki H, et al. **Anesth Analg** 1985 Sep;64(9):864-6

Verapamil potentiation of neuromuscular blockade: failure of reversal with neostigmine but prompt reversal with edrophonium. Jones RM, et al. **Anesth Analg** 1985 Oct;64(10):1021-5

A comparison of edrophonium and neostigmine for the antagonism of atracurium-induced neuromuscular block. Lavery GG, et al. **Anesth Analg** 1985 Sep;64(9):867-70

Antagonism of alcuronium with edrophonium or neostigmine. Harper NJ, et al. **Br J Anaesth** 1984 Oct;56(10):1089-94

Comparison between glycopyrrolate and atropine in a mixture with neostigmine for reversal of neuromuscular blockade. Studies in patients following open heart surgery. Salem MG, et al. **Br J Anaesth** 1985 Feb;57(2):184-7

Effect of halogenated anaesthetics on heart rate changes during reversal of neuromuscular block with glycopyrrolate and neostigmine. Samra SK, et al. **Can Anaesth Soc J** 1984 Nov;31(6):619-23

Antagonism of d-tubocurarine-induced neuromuscular blockade with a mixture of 4-aminopyridine and neostigmine in man. Wirtavuori K, et al. **Can Anaesth Soc J** 1984 Nov;31(6):624-30

Release of vasoactive intestinal peptide by intraduodenal infusion of HCl or fat and intramuscular injection of neostigmine in man. Shinomura Y, et al. **Hepatogastroenterology** 1985 Jun;32(3):129-32

Concentration-dependent effects of neostigmine on the endplate acetylcholine receptor channel complex. Fiekers JF. **J Neurosci** 1985 Feb;5(2):502-14

The effects of neostigmine on the response of the rat anococcygeus muscle to field stimulation are not a consequence of cholinesterase inhibition. Smith JA, et al. **J Pharm Pharmacol** 1985 Jan;37(1):49-52

Microinjection of neostigmine into the pontine reticular formation of cats enhances desynchronized sleep signs. Baghdoyan HA, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):173-80

Comparison of the actions of carbamate anticholinesterases on the nicotinic acetylcholine receptor. Sherby SM, et al. **Mol Pharmacol** 1985 Mar;27(3):343-8

Measurement of fasciculations as motor nerve ending discharges in the rat: a dose related effect of neostigmine. Sprouse JS, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):304-8

Neuromuscular blocking action of vecuronium in the dog and its reversal by neostigmine. Jones RS. **Res Vet Sci** 1985 Mar;38(2):193-6

THERAPEUTIC USE

[Therapy of prolonged postoperative intestinal atony following interventions on the aorto-iliac circulation. Results of a prospective randomized study with ceruletide lyophilysate versus neostigmine] Cyba-Altunbay S, et al. **Fortschr Med** 1985 Apr 25;103(16):441-4 (Eng. Abstr.) **(Ger)**

[Comparative indices of proserine therapy in complex muscle relaxation in post-stroke motor disorders] Diordienko IA, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1312-3 (Eng. Abstr.) **(Rus)**

NEOSYNEPHRINE see **PHENYLEPHRINE**

NEOTOMA see **CRICETIDAE**

NEOVASCULARIZATION

Tumor angiogenesis. Folkman J. **Adv Cancer Res** 1985;43:175-203 (152 ref.)

Optic disk neovascularization in leukemia [letter] Delaney WV Jr, et al. **Am J Ophthalmol** 1985 Feb 15;99(2):212-3

Vitreous hemorrhage following paracentesis in a diabetic with epipapillary neovascularization [letter] Jost BF, et al. **Arch Ophthalmol** 1985 Jul;103(7):891, 894

Regulation of angiogenesis: a new function of heparin. Folkman J. **Biochem Pharmacol** 1985 Apr 1;34(7):905-9 (37 ref.)

A possible explanation of mechanisms inducing inhibition of vascularization of tumours by antifibrinolytic drugs--the influence of migratory behaviour of endothelial cells. Teuscher E, et al. **Biomed Biochim Acta** 1984;43(4):447-56

Factors influencing the neovascularization of experimental tumours. Reinhold HS, et al. **Biorheology** 1984;21(4):493-501 (67 ref.)

Tumor-promoting phorbol esters induce angiogenesis in vitro. Montesano R, et al. **Cell** 1985 Sep;42(2):469-77

Proliferative response of human venous endothelial cells to medium conditioned by human tumour cells. Walker C, et al. **Cell Biol Int Rep** 1984 Sep;8(9):731-8

Nontoxic nerve guide tubes support neovascular growth in transected rat optic nerve. Madison R, et al. **Exp Neurol** 1984 Dec;86(3):448-61

Utilization of image analysis for the quantification of vascular responses in the chick chorioallantoic membrane. Jakob W, et al. **Exp Pathol** 1984;26(2):93-9

A new image analysis method for the quantification of neovascularization. Voss K, et al. **Exp Pathol** 1984;26(3):155-61

Mast cells are present during angiogenesis in the chick extraembryonic vascular system. Wilson DJ. **Experientia** 1985 Feb 15;41(2):269-71

A low-Mr chemoattractant for vascular endothelial cells. Büki KG, et al. **FEBS Lett** 1985 May 20;184(2):254-8

Third World Congress for Microcirculation. September 9th-14th, 1984, Oxford, United Kingdom. Abstracts. **Int J Microcirc Clin Exp** 1984;3(3-4):213-584

Neomorphogenesis of blood vessels in rabbit skin induced by a highly purified monocyte-derived polypeptide (monocyto-angiotropin) and associated tissue reactions. Höckel M, et al. **Int J Tissue React** 1984;6(4):323-31

Anterior neovascularization. Pavan PR, et al. **Int Ophthalmol Clin** 1984 Winter;24(4):61-70

Collateral arterial formation. Lymph draining ischemic kidneys contains a neovascular stimulating agent of high molecular weight. Hollenberg NK, et al. **Invest Radiol** 1985 Jan-Feb;20(1):58-61

Vascular lesions in pregnancy; a hypothesis [letter] Rampen FH, et al. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):371-2

A new method for obtaining scanning electron microscopic images of the reorganization process of human dermal microvascular endothelium in vitro. Tsuji T, et al. **J Microsc** 1985 Jan;137 (Pt 1):75-83

Fibrin degradation and angiogenesis: quantitative analysis of the angiogenic response in the chick chorioallantoic membrane. Thompson WD, et al. **J Pathol** 1985 Jan;145(1):27-37

What is the role of endothelial cells in angiogenesis? Folkman J. **Lab Invest** 1984 Dec;51(6):601-4 (46 ref.)

Angiogenic activity in injured rat corneas as assayed on the chick chorioallantoic membrane. Vu MT, et al. **Lab Invest** 1985 Sep;53(3):311-9

Angiogenic factor in human ocular fluid [letter] Baird A, et al. **Lancet** 1985 Sep 7;2(8454):563

Formation of a direct arterial blood supply to the anterior pituitary gland following complete or partial interruption of the hypophyseal portal vessels. Monnet F, et al. **Neuroendocrinology** 1984 Sep;39(3):251-5

Treatment of proliferative diabetic retinopathy with panretinal cryotherapy. Daily MJ, et al. **Ophthalmic Surg** 1984 Sep;15(9):741-5

Choroidal (subretinal) neovascularization secondary to choroidal nevus and successful treatment with argon laser photocoagulation. Case reports and review of literature. Mines JA, et al. **Ophthalmologica** 1985;190(4):210-8

Toward a new understanding of vascular proliferative disease in children. Folkman J. **Pediatrics** 1984 Nov;74(5):850-6

Angiogenesis. Maciag T. **Prog Hemost Thromb** 1984;7:167-82 (106 ref.)

Retinoblastoma and angiogenesis activity. Albert DM, et al. **Retina** 1984 Summer-Fall;4(3):189-94

Scatter photocoagulation for choroidovitreal neovascularization. Augsburger JJ, et al. **Retina** 1984 Summer-Fall;4(3):171-6

Angiogenesis induced by degradation products of hyaluronic acid. West DC, et al. **Science** 1985 Jun 14;228(4705):1324-6

[Indications, technic and results of photocoagulation of subretinal neovascularizations (in senile macular degeneration)] Soubrane G, et al. **Annee Ther Clin Ophtalmol** 1983;34:297-311 (Eng. Abstr.) **(Fre)**

[Thio-tepa eyedrops against recurrent pterygium and neovascularization of the cornea] Gourcuff A, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):583-7 (Eng. Abstr.) **(Fre)**

[Krypton laser in the treatment of subretinal neovessels in senile macular degeneration. Apropos of 60 cases] Koenig F, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul;84(6-7):857-60 **(Fre)**

[Neovascular choroid membrane and Lobstein's disease] Lepori JC, et al. **Bull Soc Ophtalmol Fr** 1984 Mar;84(3):305-7 (Eng. Abstr.) **(Fre)**

[Mechanisms of neovasculogenesis and its regulation in the adult organism] Gurina Olu, et al. **Arkh Anat Gistol Embriol** 1985 Jan;88(1):9-24 (Eng. Abstr.) **(Rus)**

[Structure of newly formed capillaries of the rabbit cornea (electron microscopic study)] Gurina Olu, et al. **Arkh Anat Gistol Embriol** 1984 Aug;87(8):49-57 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Neovascularization produced by angiotensin II. Fernandez LA, et al. **J Lab Clin Med** 1985 Feb;105(2):141-5

COMPLICATIONS

Neovascularization of the optic disk associated with atypical retinitis pigmentosa. Bressler NM, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):431-3

Subretinal choroidal neovascularization in birdshot retinochoroidopathy. Brucker AJ, et al. **Am J Ophthalmol** 1985 Jan 15;99(1):40-4

Retinal neovascularization and ocular toxoplasmosis. Gaynon MW, et al. **Am J Ophthalmol** 1984 Nov;98(5):585-9

Retinitis pigmentosa and retinal neovascularization: a case report. Butner RW. **Ann Ophthalmol** 1984 Sep;16(9):861, 863-5

Argon laser treatment of retinal neovascularization associated with sarcoidosis. Hirose S, et al. **Jpn J Ophthalmol** 1984; 28(4):356-61

DIAGNOSIS

Early detection of extrafoveal neovascular membranes by daily central field evaluation. Fine SL. **Ophthalmology** 1985 May;92(5):603-9

Serous retinal pigment epithelial detachment with a notch. A sign of occult choroidal neovascularization. Gass JD. **Retina** 1984 Fall-Winter;4(4):205-20

DRUG THERAPY

Effects of intravitreal administration of steroids on experimental subretinal neovascularization in the subhuman primate. Ishibashi T, et al. **Arch Ophthalmol** 1985 May; 103(5):708-11

Drug effects on the neovascularization response to silver nitrate cauterization of the rat cornea. Mahoney JM, et al. **Curr Eye Res** 1985 May;4(5):531-5

ETIOLOGY

Sea-fan neovascularization in diabetes with thalassemia [letter] Perkins TW, et al. **Am J Ophthalmol** 1984 Dec 15; 98(6):800-1

Neovascular glaucoma associated with ocular hypoperfusion secondary to carotid artery disease. Higgins RA. **Aust J Ophthalmol** 1984 May;12(2):155-62

Subretinal neovascularisation in eyes with localised inferior posterior staphylomas. Tsuboi S, et al. **Br J Ophthalmol** 1984 Dec;68(12):869-72

Postoperative subretinal neovascular membrane at the drain site of a scleral buckle. Holland PM. **Ophthalmic Surg** 1985 Mar;16(3):174-7

Fluorescein angiography of soft contact lens induced vascularization in penetrating keratoplasty. Mackman G, et al. **Ophthalmic Surg** 1985 Mar;16(3):157-61

Natural history of choroidal neovascularization in degenerative myopia. Avila MP, et al. **Ophthalmology** 1984 Dec;91(12):1573-81

[Peripheral vascular bed of neoplasms--an unknown area in cancer pathology] Kulig A, et al. **Ginekol Pol** 1984 Oct; 55(10):713-29 (69 ref.) **(Pol)**

METABOLISM

The role of increased lactic acid concentration in neovascularizations. Imre G. **Acta Morphol Hung** 1984; 32(2):97-103

Diabetic neovascularization: permeability and ultrastructure. Miller H, et al. **Invest Ophthalmol Vis Sci** 1984 Nov; 25(11):1338-42

PATHOLOGY

Endothelial mitosis during the initial stages of corpus luteum neovascularization in the cycling adult rat. Gaede SD, et al. **Am J Anat** 1985 Feb;172(2):173-80

Initiation of angiogenesis by porcine follicular fluid. Frederick JL, et al. **Am J Obstet Gynecol** 1985 Aug 15; 152(8):1073-8

Subretinal neovascularization after experimental ocular histoplasmosis in a subhuman primate. Jester JV, et al. **Am J Ophthalmol** 1985 Aug 15;100(2):252-8

Correlation of choroidal subretinal neovascularization with fluorescein angiography. Miller H, et al. **Am J Ophthalmol** 1985 Mar 15;99(3):263-71

Relationship between the hair growth cycle and the intensity of lymphocyte-induced angiogenesis in mouse skin. Majewski S, et al. **Arch Dermatol Res** 1985;277(1):77-8

The histopathology of corneal neovascularization. Inhibitor effects. Robin JB, et al. **Arch Ophthalmol** 1985 Feb; 103(2):284-7

Vasculature in the walls of human coronary arteries. Zamir M, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):659-62

Natural history of peripheral neovascularisation in diabetic retinopathy. Turner GS, et al. **Br J Ophthalmol** 1985 Jun; 69(6):420-4

Weibel-Palade bodies as a marker for neovascularization induced by tumor and rheumatoid angiogenesis factors. Kumar P, et al. **Cancer Res** 1985 Sep;45(9):4339-48

Retinal neovascularisation arising from hyalinised blood vessels. Manschot WA, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;222(2):63-70

Peripheral retinal neovascularization in diabetes mellitus. Grabowski WM, et al. **Int Ophthalmol** 1985 Apr;8(1):43-6

Cooperation between fibronectin and heparin in the mobilization of capillary endothelium. Ungari S, et al. **Invasion Metastasis** 1985;5(4):193-205

Mast cells and angiogenesis [letter] Kumar P, et al. **J R Soc Med** 1984 Dec;77(12):1063-4

Detection of angiogenesis activity in malignant bladder tissue and cells. Chodak GW, et al. **J Urol** 1984 Nov; 132(5):1032-5

Induction of neovascularization in vivo and endothelial proliferation in vitro by tumor-associated macrophages. Polverini PJ, et al. **Lab Invest** 1984 Dec;51(6):635-42

Mechanisms of neovascularization. Vascular sprouting can occur without proliferation of endothelial cells. Sholley MM, et al. **Lab Invest** 1984 Dec;51(6):624-34

Indocyanine green angiography of choroidal neovascular membranes. Hayashi K, et al. **Ophthalmologica** 1985; 190(1):30-9

Corneal endothelial overgrowth of angle and iris. Evidence of myoblastic differentiation in three cases. Harris M, et al. **Ophthalmology** 1984 Oct;91(10):1154-60

Choroidal neovascularization can digest Bruch's membrane. A prior break is not essential. Heriot WJ, et al. **Ophthalmology** 1984 Dec;91(12):1603-8

Retinal vascular pattern in familial exudative vitreoretinopathy. Miyakubo H, et al. **Ophthalmology** 1984 Dec;91(12):1524-30

Intraretinal neovascularization in diabetic retinopathy. Muraoka K, et al. **Ophthalmology** 1984 Dec;91(12):1440-6

Chorioretinal and choriovitreal neovascularization after photocoagulation for proliferative diabetic retinopathy. A clinicopathologic correlation. Wallow I, et al. **Ophthalmology** 1985 Apr;92(4):523-32

Scanning electron microscopy of vascular casts in experimental ocular vasoproliferation. Burger PC, et al. **Scan Electron Microsc** 1984;(Pt 4):1893-8

Two- and three-dimensional ultrastructural observations of angiogenesis in juvenile hemangioma. Furusato M, et al. **Virchows Arch [Cell Pathol]** 1984;46(3):229-37

[Intravitreal neovascularizations following diathermy coagulation] Kirchhof B, et al. **Fortschr Ophthalmol** 1984; 81(3):263-4 (Eng. Abstr.) **(Ger)**

[Studies on experimental subretinal neovascularization. 1. Development of experimental subretinal neovascularization] Itagaki T, et al. **Nippon Ganka Gakkai Zasshi** 1985 Apr;89(4):600-10 (Eng. Abstr.) **(Jpn)**

[Experimental study of the occurrence of iris neovascularization in monkey eyes] Yamaaki H. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):263-9 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Comparison of the neovascular effects of stimulated macrophages and neutrophils in autologous rabbit corneas. Moore JW 3d, et al. **Am J Pathol** 1985 Jul;120(1):87-98

Angiogenic capability of peripheral blood mononuclear cells in psoriasis. Majewski S, et al. **Arch Dermatol** 1985 Aug; 121(8):1018-21

Age-related macular degeneration and blindness due to neovascular maculopathy. Ferris FL 3d, et al. **Arch Ophthalmol** 1984 Nov;102(11):1640-2

Ocular neovascularization. Tissue culture studies. Gu XQ, et al. **Arch Ophthalmol** 1985 Jan;103(1):111-7

Lipid keratopathy in rabbits. An animal model system. Stock EL, et al. **Arch Ophthalmol** 1985 May;103(5):726-30

Inhibition of contact lens-induced corneal neovascularization in radial keratotomized rabbit eyes. Katz HR, et al. **Cornea** 1984;3(1):65-72

Albumin permeation of new vessels is increased in diabetic rats. Kilzer P, et al. **Diabetes** 1985 Apr;34(4):333-6

Effects of cortisone with and without heparin on angiogenesis induced by prostaglandin E1 and by S180 cells, and on growth of murine transplantable tumours. Ziche M, et al. **Int J Cancer** 1985 Apr 15;35(4):549-52

The fine structure of tumor blood vessels. I. Participation of non-endothelial cells in tumor angiogenesis. Hammersen F, et al. **Int J Microcirc Clin Exp** 1985;4(1):31-43

A mathematical model of tumour-induced capillary growth. Balding D, et al. **J Theor Biol** 1985 May 7;114(1):53-73

What is the role of endothelial cells in angiogenesis? Folkman J. **Lab Invest** 1984 Dec;51(6):601-4 (46 ref.)

Altered retinal vascular response to 100% oxygen breathing in diabetes mellitus. Grunwald JE, et al. **Ophthalmology** 1984 Dec;91(12):1447-52

Distribution of capillary nonperfusion in early-stage diabetic retinopathy. Niki T, et al. **Ophthalmology** 1984 Dec; 91(12):1431-9

Subfoveal and juxtafoveal subretinal neovascularization in the presumed ocular histoplasmosis syndrome. Visual prognosis. Olk RJ, et al. **Ophthalmology** 1984 Dec; 91(12):1592-602

Delayed neovascularization in free skin flap transfer to irradiated beds in rats. Clarke HM, et al. **Plast Reconstr Surg** 1985 Apr;75(4):560-4

Angiogenesis of human parathyroid tissue. Saxe AW. **Surgery** 1984 Dec;96(6):1138-43

[Peripheral retinal neovascularization in sarcoidosis. Apropos of a case] Bec P, et al. **Bull Soc Ophtalmol Fr** 1984 May; 84(5):681-6 **(Fre)**

[Intravitreous hemorrhage caused by subretinal neovessels following cryotherapy performed 10 years before] Haut J, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):551-2 **(Fre)**

[Proliferative retinopathy and chronic myeloid leukemia] Jouhaud F, et al. **Bull Soc Ophtalmol Fr** 1984 Mar; 84(3):303-4 (Eng. Abstr.) **(Fre)**

[Idiopathic macular retinoschisis in the young subject associated with preretinal and prepapillary neovessels] Brancato R, et al. **J Fr Ophtalmol** 1984;7(11):685-8 (Eng. Abstr.) **(Fre)**

[Neovascular glaucoma caused by branch vein occlusion and deficiency of carotid-encephalic circulation: pathogenetic correlation] Lodato G, et al. **J Fr Ophtalmol** 1984; 7(10):615-21 (Eng. Abstr.) **(Fre)**

[Vascularization of regenerating bone in acute radiation sickness] Amosov IS, et al. **Radiobiol Radiother (Berl)** 1985; 26(1):113-22 (Eng. Abstr.) **(Ger)**

[Formation of new microvessels in the skeletal muscles of rats subjected to hypobaric hypoxia for a week] Kondashevskaia MV, et al. **Dokl Akad Nauk SSSR** 1984; 277(3):748-51 **(Rus)**

[Regulation of angiogenesis and tumor growth] Tseĭtlin DM. **Eksp Onkol** 1985;7(1):10-4 (53 ref.) (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Inefficacy of topical protamine as angiogenesis inhibitor in alkali-burned corneas. Ameye C, et al. **Bull Soc Belge Ophtalmol** 1983;207:109-15

Evidence that indomethacin inhibits lymphocyte-induced angiogenesis. Davel LE, et al. **Transplantation** 1985 May; 39(5):564-5

RADIOGRAPHY

Peripheral neovascularisation of muscle and musculocutaneous flaps. Millican PG, et al. **Br J Plast Surg** 1985 Jul;38(3):369-74

[First images in numerized angiography of an intra-ocular neoformation (probable melanoma)] Abitbol Y, et al. **Bull Soc Ophtalmol Fr** 1984 Jan;84(1):11-3 **(Fre)**

[Angiography of the lungs in patients with chronic bronchitis] Polak Ia. **Probl Tuberk** 1985;(3):27-30 (Eng. Abstr.) **(Rus)**

SURGERY

Photofield mapping in the evaluation and management of subretinal neovascularization. Avila MP, et al. **Ann Ophthalmol** 1985 Jan;17(1):13-9

Argon vs krypton laser lesions: is the wavelength more important than the power. Morse PH. **Ann Ophthalmol** 1985 Jan;17(1):86-91

Simulated treatment of recurrent choroidal neovascularization in primate retina. Comparative histopathologic findings. Smiddy WE, et al. **Arch Ophthalmol** 1985 Mar;103(3):428-33

Krypton red laser photocoagulation of subretinal neovascular membranes located within the foveal avascular zone. Decker WL, et al. **Ophthalmology** 1984 Dec;91(12):1582-6

Retinopathy risk factor regression after laser panretinal photocoagulation for proliferative diabetic retinopathy. Doft BH, et al. **Ophthalmology** 1984 Dec;91(12):1453-7

Complications of krypton red laser photocoagulation to subretinal neovascular membranes. Grabowski WM, et al. **Ophthalmology** 1984 Dec;91(12):1587-91

Xenon arc photocoagulation of proliferative diabetic retinopathy. A review of 2688 consecutive eyes in the format of the Diabetic Retinopathy Study. Okun E, et al. **Ophthalmology** 1984 Dec;91(12):1458-63

Anterior chamber tube shunt to an encircling band in the treatment of neovascular glaucoma and other refractory glaucomas. A long-term study. Schocket SS, et al. **Ophthalmology** 1985 Apr;92(4):553-62

Important points in management of patients with choroidal neovascularization. Singerman LJ. **Ophthalmology** 1985 May;92(5):610-4

Laser treatment of macular disease: recurrence of subretinal neovascular membranes after treatment. Watzke RC. **Trans New Orleans Acad Ophthalmol** 1985;:256-62

[Treatment of choroid neovascularization by monochromatic argon laser in maculopathies] Arnaud B, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:193-6 **(Fre)**

[Choroidal neovascularization] Atmaca LS. **Bull Mem Soc Fr Ophtalmol** 1985;96:197-201 **(Fre)**

NEPHELOMETRY AND TURBIDIMETRY

Discrepancy of serum IgA levels determined by single radial immunodiffusion and laser nephelometry in patients with IgA nephropathy. Tomino Y, et al. **Am J Med Sci** 1985 Aug;290(2):56-60

Detection of thermolabile enterotoxin of Escherichia coli by laser ray nephelometry. Resano F, et al. **Arch Invest Med (Mex)** 1985 Jan-Mar;16(1):71-9 **(Eng, Spa)**

Comparison of nephelometry and single radial immunodiffusion for the determination of IgG and IgM concentrations in newborn foals and their dams. Eisenhauer P, et al. **Zentralbl Veterinarmed [B]** 1984 Aug;31(7):481-6

[Rapid detection of septicemia using a laser nephelometer] Bayardelle P, et al. **Union Med Can** 1985 Jul;114(7):580-2 (Eng. Abstr.) **(Fre)**

[Critical evaluation of quantitative immunoglobulin determination in the calf] Lambrecht G, et al. **Tierarztl Prax** 1984;12(4):535-9 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

A nephelometry system for the Abbott TDx analyzer. DeGrella RF, et al. **Clin Chem** 1985 Sep;31(9):1474-7

NEWARK PUBLIC

[Laser flow-type counter-analyzer for microparticles] Aref'ev IM, et al. **Med Tekh** 1984 Sep-Oct;(5):28-33 (Eng. Abstr.) **(Rus)**

METHODS

A simple turbidimetric method for specific measurement of Staphylococcus aureus lipase activity. Rollof J, et al. **Acta Pathol Microbiol Immunol Scand** [B] 1984 Jun; 92(3):155-8

Immunoturbidimetry of serum C-reactive protein in low concentration of polyethylene glycol. Byrjalsen I, et al. **Ann Clin Biochem** 1985 May;22 (Pt 3):269-72

Immunoturbidimetric assay for alpha 1-acid glycoprotein in serum with a centrifugal analyzer. Marteau F, et al. **Clin Chem** 1985 Jun;31(6):873-4

Three turbidimetric methods for determining total protein compared. Nishi HH, et al. **Clin Chem** 1985 Aug; 31(8):1377-80

Immunonephelometric quantitation of the apolipoprotein C-III in human plasma. Bury J, et al. **Clin Chim Acta** 1985 Feb 15;145(3):249-58

Simplified screening for immune complexes by laser nephelometry of ultracentrifuged serum. Cohn JR, et al. **Diagn Immunol** 1984;2(3):175-80

Quantitative analysis of 23-valent 'Pneumovax' by automated rate nephelometry. Salerno RA, et al. **J Biol Stand** 1984 Oct;12(4):447-50

[Laser nephelometric determination of secretory IgA] Wulf E. **Z Med Lab Diagn** 1984;25(7):401-2 (Eng. Abstr.) **(Ger)**

[Immunoglobulins (G, A, M) in umbilical cord blood: determination using laser nephelometry] Caielli R, et al. **Quad Sclavo Diagn** 1984 Jun;20(2):163-70 (Eng. Abstr.) **(Ita)**

[Evaluation of laser nephelometry for detection of serum rheumatoid factor] Ishimoto E, et al. **Rinsho Byori** 1984 Nov;32(11):1221-4 **(Jpn)**

[Turbidimetric method of determining alpha 1-antitrypsin in blood] Galushkin AN. **Lab Delo** 1984;(11):652-6 (Eng. Abstr.) **(Rus)**

[Determination of immunoglobulins by laser nephelometry using monospecific antisera] Rudnev VI, et al. **Lab Delo** 1984;(12):740-3 (Eng. Abstr.) **(Rus)**

STANDARDS

Standardization of inoculum turbidity using the Klett-Summerson colorimeter for aerobes. Flournoy DJ, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Aug;17(3):153-5

NEPHRECTOMY

Stereology of the rat kidney during compensatory renal hypertrophy. Seyer-Hansen K, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1985 Jan; 93(1):9-12

Long-term effect of uninephrectomy on serum creatinine concentration and arterial blood pressure. Smith S, et al. **Am J Kidney Dis** 1985 Sep;6(3):143-8

Role of the pituitary in reflex natriuresis following acute unilateral nephrectomy. Lin SY, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F282-90

Centrally administered naloxone blocks reflex natriuresis after acute unilateral nephrectomy. Lin SY, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):F390-5

Na-K-ATPase in isolated rabbit tubules after unilateral nephrectomy and Na+ loading. Scherzer P, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):F565-73

Identification of factors responsible for wound infection following allograft nephrectomy. Chapman TP, et al. **Am Surg** 1985 Aug;51(8):446-8

Anaesthesia for Shy-Drager syndrome. Hutchinson RC, et al. **Anaesthesia** 1984 Dec;39(12):1229-31

Endoscopic Teflon injection for a refluxing ureteric stump after simple nephrectomy. Bullock KN, et al. **Br Med J [Clin Res]** 1985 Apr 13;290(6475):1109

Renal venous renin ratio as a predictor of improvement in hypertension following nephrectomy for unilateral renal disease. Gordon RD, et al. **Clin Exp Pharmacol Physiol** 1984 Jul-Aug;11(4):403-6

Effects of insulin on the utilization of 14C-glycerol and 14C-glucose in hepatectomized nephrectomized rats. Mampel T, et al. **Diabete Metab** 1985 Apr;11(2):118-24

Metabolism of radioiodinated carboxy-terminal fragments of bovine parathyroid hormone in normal and anephric rats. D'Amour P, et al. **Endocrinology** 1985 Jul;117(1):127-34

Primary psoas abscess three years after ipsilateral nephrectomy. Knobel B, et al. **Infection** 1985 Jan-Feb; 13(1):27-8

The risks of donor nephrectomy. Tapson JS. **Int J Artif Organs** 1985 Jan;8(1):13-6

Nephrectomy in childhood--a ten-year review. McAnena OJ, et al. **Ir Med J** 1985 May;78(5):121-5

Effect of nitrendipine on urine volume, osmolality, and electrolyte excretion in normal, adrenal-enucleate, and mononephrectomized rats. Hall CE, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1028-31

Lung development in the nephrectomized ovine fetus. Plopper CG, et al. **J Dev Physiol** 1984 Aug;6(4):313-27

Evidence for dopaminergic regulation of vasopressin release in the anephric rat. Hatzinikolaou P, et al. **J Hypertens** 1984 Jun;2(3):311-5

Morphometric studies on the rat renal papilla of resistant and sensitive strains in partial nephrectomy salt hypertension. Pitcock JA, et al. **J Hypertens** 1984 Aug; 2(4):419-25

Decreased fractional renal excretion of gentamicin in subtotal nephrectomized dogs. Riviere JE, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):90-3

Effects of ochratoxin A in the partially nephrectomized rat. Stein AF, et al. **J Toxicol Environ Health** 1984;14(4):535-50

Nephrectomy following trauma--impact on patient outcome. Narrod JA, et al. **J Trauma** 1985 Sep;25(9):842-4

Partial nephrectomy for a renal oncocytoma associated with tuberous sclerosis. Srinivas V, et al. **J Urol** 1985 Feb; 133(2):263-5

Effect of protein intake on renal function and structure in partially nephrectomized rats. Kenner CH, et al. **Kidney Int** 1985 May;27(5):739-50

Structural adaptation in initial collecting tubule following reduction in renal mass. Zalups RK, et al. **Kidney Int** 1985 Apr;27(4):636-42

Long-term follow-up of patients who underwent unilateral nephrectomy in childhood. Robitaille P, et al. **Lancet** 1985 Jun 8;1(8441):1297-9

Response to acute protein load in kidney donors and in apparently normal postacute glomerulonephritis patients: evidence for glomerular hyperfiltration. Rodríguez-Iturbe B, et al. **Lancet** 1985 Aug 31;2(8453):461-4

The risks of unilateral nephrectomy: status of kidney donors 10 to 20 years postoperatively. Anderson CF, et al. **Mayo Clin Proc** 1985 Jun;60(6):367-74

Unilateral nephrectomy in living-related kidney donors is safe and beneficial [editorial] Sterioff S. **Mayo Clin Proc** 1985 Jun;60(6):423-4

Partial nephrectomy for Wilms' tumor in a child with hemihypertrophy. Proceedings of the Tumor Board of the Children's Hospital of Philadelphia [clinical conference] Bishop HC, et al. **Med Pediatr Oncol** 1985;13(1):37-9

Induction of chronic renal failure in the mouse: a new model. Gabizon D, et al. **Nephron** 1985;40(3):349-52

Effect of unilateral nephrectomy on tumor growth of the murine renal cell adenocarcinoma and neuroblastoma. Murphy GP, et al. **Oncology** 1984;41(6):417-9

Chronic partial ureteral obstruction in the neonatal guinea pig. I. Influence of uninephrectomy on growth and hemodynamics. Chevalier RL, et al. **Pediatr Res** 1984 Dec; 18(12):1266-71

The extrarenal effects of aldosterone on the distribution of extracellular fluid in conscious adrenalectomized-nephrectomized rats. Ishii M, et al. **Pflugers Arch** 1985 Jul;404(3):273-7

Rate of clearance of interleukin-1 from the blood of normal and nephrectomized rats. Kampschmidt RF, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):170-3

Partial nephrectomy and furosemide in toxic and ischemic nonoliguric acute renal failure in rats. Middeke M, et al. **Res Exp Med (Berl)** 1985;185(3):227-32

Anaesthetic management for nephrectomy in a child with Takayasu's arteritis and severe renovascular hypertension. A case report. Rozwadowski MA, et al. **S Afr Med J** 1985 Jun 1;67(22):898-900

Goldblatt phenomenon in a single kidney: the importance of subselective renal vein renins. Brueggemeyer C, et al. **South Med J** 1984 Oct;77(10):1312-4

Arteriovenous fistula after partial nephrectomy--successful surgical repair. Report of a case. Dzsinich C, et al. **Thorac Cardiovasc Surg** 1984 Oct;32(5):325-8

Captopril slows the progression of chronic renal disease in partially nephrectomized rats. Hall RL, et al. **Toxicol Appl Pharmacol** 1985 Sep 30;80(3):517-26

Patients without kidneys from up to 17 years: bilateral nephrectomy a significant factor in long-term survival, along with lower blood pressure, female gender and younger age. Iancu M, et al. **Trans Am Soc Artif Intern Organs** 1984;30:614-8

Solitary pancreatic metastasis occurring 20 years after nephrectomy for carcinoma of the kidney. Audisio RA, et al. **Tumori** 1985 Apr 30;71(2):197-200

Volvulus of cecum following simple nephrectomy. Ali Khan S, et al. **Urol Int** 1985;40(1):1-2

Infarction-nephrectomy for metastatic renal carcinoma. Southwest oncology group study. Gottesman JE, et al. **Urology** 1985 Mar;25(3):248-50

[Tumors of the single kidney following nephrectomy] Patrashkov T. **Khirurgiia (Sofiia)** 1984;37(6):500-4 (Eng. Abstr.) **(Bul)**

[Addison's disease and crisis in chronic kidney failure] Martínek V, et al. **Cas Lek Cesk** 1985 Apr 5;124(14):438-41 (Eng. Abstr.) **(Cze)**

[What are the indications for nephrectomy in candidates for renal transplants] Benoit G, et al. **Ann Urol (Paris)** 1984 Feb;18(1):13-6 (Eng. Abstr.) **(Fre)**

[Relative value of adjuvant nephrectomy in metastatic renal cell carcinoma] Slisów W, et al. **Arch Geschwulstforsch** 1984;54(6):483-90 (Eng. Abstr.) **(Ger)**

[Prognosis in kidney cancer] Jaeger N, et al. **Lebensversicherungsmedizin** 1985 May 1;37(3):75-8 (Eng. Abstr.) **(Ger)**

[Compensatory hypertrophy of the healthy kidney as an important prerequisite for nephrectomy of the small kidney] Bachmann H. **Urologe [Ausg A]** 1985 Mar;24(2):80-3 (Eng. Abstr.) **(Ger)**

[Results of operative therapy of double kidney] Ringert RH, et al. **Urologe [Ausg A]** 1985 Mar;24(2):87-93 (Eng. Abstr.) **(Ger)**

[Urolithiasis and the solitary kidney] Fahlenkamp D, et al. **Z Arztl Fortbild (Jena)** 1984;78(16):675-8 **(Ger)**

[Diagnosis and surgical treatment of renovascular hypertension in patients with a single kidney] Knjazev MD, et al. **Z Urol Nephrol** 1985 Apr;78(4):197-203 (Eng. Abstr.) **(Ger)**

[Effect of combined electroanesthesia on catecholamine, cortisol and insulin concentrations in the peripheral blood of urological patients] Karpenko VV, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):14-6 (Eng. Abstr.) **(Rus)**

[Hypotensive effect of nephrectomy in malignant renal hypertension and the function of the remaining kidney at late follow-up] Rustamova MT, et al. **Ter Arkh** 1984; 56(9):37-40 (Eng. Abstr.) **(Rus)**

[Dispensary observation of patients with solitary kidney after nephrectomy] Dzhavad-Zade MD, et al. **Urol Nefrol (Mosk)** 1985 May-Jun;(3):12-5 (Eng. Abstr.) **(Rus)**

[Resection of the kidney in racemose hemangioma] Pereverzev AS, et al. **Urol Nefrol (Mosk)** 1985 Mar-Apr; (2):60-1 **(Rus)**

ADVERSE EFFECTS

Postoperative cholecystitis. Deshmukh N, et al. **Am J Gastroenterol** 1985 Apr;80(4):284-6

Urinary albumin excretion in renal transplant donors. Chavers BM, et al. **Am J Surg** 1985 Mar;149(3):343-6

Chylo-ascites after extended radical nephrectomy. Bettink PJ. **Br J Urol** 1984 Aug;56(4):440-1

Renal artery embolization to control urinary cutaneous fistula after partial resection of a horseshoe kidney. Freeman MP, et al. **J Urol** 1985 Apr;133(4):662-3

Proteinuria and hypertension after unilateral nephrectomy [letter] Zucchelli P, et al. **Lancet** 1985 Jul 27;2(8448):212

Renal function and blood pressure after donor nephrectomy. Tapson JS, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:580-7

Delayed major arterial hemorrhage after transplant nephrectomy. Starnes HF, et al. **Transplant Proc** 1984 Oct; 16(5):1320-3

Proteinuria and renal function in kidney transplant donors 10-18 years after donor uninephrectomy. Mathillas O, et al. **Ups J Med Sci** 1985;90(1):37-42

Renal arteriovenous fistula following nephrectomy. Lacombe M. **Urology** 1985 Jan;25(1):13-6

[Arteriovenous fistula of the left renal pedicle detected 30 years after nephrectomy] Joyeux A, et al. **J Chir (Paris)** 1984 Aug-Sep;121(8-9):487-90 (Eng. Abstr.) **(Fre)**

[Pregnancy and labor in women with solitary kidney--20-year observations] Zbroja-Sontag W, et al. **Pol Tyg Lek** 1984 Oct 1-8;39(40-41):1313-7 (Eng. Abstr.) **(Pol)**

[2 cases of acute irreversible renal failure] Ksiażek A, et al. **Wiad Lek** 1984 May 1;37(9):703-8 (Eng. Abstr.) **(Pol)**

METHODS

Combined cadaveric hepatic and renal organ procurement in infants. Technique for salvage of all organs. Taylor RJ, et al. **Arch Surg** 1985 Sep;120(9):1084-5

Efficacy and safety of the Nd:YAG laser in canine partial nephrectomy. Benderev TV, et al. **J Urol** 1985 Jun; 133(6):1108-11

Combination of CUSA and neodymium:YAG laser for canine partial nephrectomy. Melzer RB, et al. **J Urol** 1985 Sep; 134(3):620-2

Selective pre-transplant nephrectomy: indications and perioperative management. Sheinfeld J, et al. **J Urol** 1985 Mar;133(3):379-82

Preliminary study of the Nd:YAG laser in canine partial nephrectomy. Benderev TV, et al. **Lasers Surg Med** 1985; 5(4):415-21

Renal cell carcinoma: new developments [editorial] Lieber MM. **Mayo Clin Proc** 1985 Oct;60(10):715-6

Treatment of renal cell carcinoma by in situ partial nephrectomy and extracorporeal operation with autotransplantation. Zincke H, et al. **Mayo Clin Proc** 1985 Oct;60(10):651-62

Living-related donor nephrectomy by eleventh rib intraperitoneal extrapleural incision. Cohen EL, et al. **Urology** 1985 Jun;25(6):579-81

Heminephrectomy--ureterectomy as the sole procedure in ectopic ureterocele in children. Hanson E, et al. **Z Kinderchir** 1984 Dec;39(6):355-7

[Experiences with a modification of Nagamatsu's extrapleural thoracoabdominal approach] Bach D, et al. **Helv Chir Acta** 1984 Oct;51(3-4):483-6 (Eng. Abstr.) **(Ger)**

[The extended Gibson incision as an approach in nephroureterectomy] Frohmüller H. **Helv Chir Acta** 1984 Oct;51(3-4):473-6 (Eng. Abstr.) **(Ger)**

[Transthoracic retroperitoneal approach in urology] Furrer R, et al. **Helv Chir Acta** 1984 Oct;51(3-4):481-2 (Eng. Abstr.) **(Ger)**

[A wing-shaped pararectal incision in tumor nephrectomy]

Hubmer G, et al. **Helv Chir Acta** 1984 Oct;51(3–4):477–9 (Eng. Abstr.) **(Ger)**

[Hypertension caused by reflux nephropathy––normotension following bilateral partial nephrectomy] Behrendt H, et al. **Urologe [Ausg A]** 1985 Mar;24(2):84–6 (Eng. Abstr.) **(Ger)**

[Method of radical transabdominal tumor nephrectomy with facultative or systemic lymph node dissection and results in 381 patients] Herrlinger A, et al. **Urologe [Ausg A]** 1984 Sep;23(5):267–74 (Eng. Abstr.) **(Ger)**

[Technic of multiple procurement from donor cadavers (observations on 19 cases)] Valente U, et al. **Chir Ital** 1985 Apr;37(2):115–28 (Eng. Abstr.) **(Ita)**

[Thoracoabdominal radical nephrectomy for renal cell carcinoma] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 May;75(5):787–94 (Eng. Abstr.) **(Jpn)**

[Characteristics of the performance of a left radical nefrectomy] Polianichko MF, et al. **Klin Khir** 1984 Dec;(12):45–6 **(Rus)**

[Prevention of ischemic kidney damage after shutting off renal blood flow] Pytel' IuA, et al. **Sov Med** 1985;(1):14–21 (Eng. Abstr.) **(Rus)**

[Surgery of renal carcinoma: transperitoneal subcostal access] Virseda JA, et al. **Arch Esp Urol** 1985 Mar–Apr;38(2):137–48 (Eng. Abstr.) **(Spa)**

VETERINARY

Species variations in ruminants to the effects of total nephrectomy––studies in buffalo calves (Bubalus bubalis). Singh M, et al. **Arch Exp Veterinarmed** 1984 Nov;38(6):875–83

NEPHRITIS

CHEMICALLY INDUCED

Antibiotic nephrotoxicity. Morin JP, et al. **Chemioterapia** 1984 Feb;3(1):33–40

COMPLICATIONS

Plasma volume expansion is necessary for edema formation in the rate with Heymann nephritis. Kaysen GA, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):F247–53

Why do patients with lupus nephritis die? [letter] Leung AT, et al. **Br Med J [Clin Res]** 1985 Mar 23;290(6472):937

Sarcoidosis with normocalcemic granulomatous nephritis. Five case reports and a review of 24 cases in the literature. Simonsen O, et al. **Nephron** 1985;40(4):411–7 (31 ref.)

DIAGNOSIS

Acute focal bacterial nephritis. Lawson GR, et al. **Arch Dis Child** 1985 May;60(5):475–7

Sonographic appearance of cytomegalovirus nephritis in a neonate. Cramer BC, et al. **Pediatr Radiol** 1985;15(1):56–7

Sonographic signs of nephritis in children. A comparison of renal echography with clinical evaluation, laboratory data and biopsy. Winkler P, et al. **Pediatr Radiol** 1985;15(4):231–7

Ultrasound detection of focal bacterial nephritis (lobar nephronia) and its evolution into a renal abscess. McCoy RI, et al. **Urol Radiol** 1985;7(2):109–11

[Perinephretic phlegmon of pseudotumor form] Benoit G, et al. **Ann Urol (Paris)** 1984 Jun–Jul;18(4):282–3 (Eng. Abstr.) **(Fre)**

[Nephritis masking systemic diseases] Tareeva IE, et al. **Ter Arkh** 1984;56(7):16–9 **(Rus)**

DRUG THERAPY

Medical management of bilateral renal malakoplakia. Charney EB, et al. **Arch Dis Child** 1985 Mar;60(3):254–6

Methylprednisolone pulse therapy for lupus nephritis: a followup study. Hoch S, et al. **Clin Exp Rheumatol** 1984 Oct–Dec;2(4):313–20

Chemotherapy of lupus nephropathy. Donadio JV. **Contrib Nephrol** 1985;45:200–2

Lupus nephritis: more answers needed [editorial] Wang F. **J R Soc Med** 1985 Aug;78(8):616–7

Studies on experimental immune complex nephritis (3). Therapeutic effect of prostaglandin E1 alpha-cyclodextrin host molecule (PGE1 . CD) on serum sickness nephritis in rats. Nagamatsu T, et al. **Jpn J Pharmacol** 1984 Aug;35(4):407–14

Captopril treatment of hypertension and renal failure in systemic lupus erythematosus. Herlitz H, et al. **Nephron** 1984;38(4):253–6

[Schoenlein-Henoch nephritis in children treated with by removing heat and activating blood––report of 14 cases] Shi YM, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 May;5(5):262–4, 258 (Eng. Abstr.) **(Chi)**

[Risk factors in the development of steroid-induced hypertension in patients with nephritis] Kutyrina IM, et al. **Klin Med (Mosk)** 1985 Jun;63(6):44–8 **(Rus)**

[Treatment of diffuse proliferative lupoid nephritis with high dosages of intravenous methylprednisone. Analysis of 9 cases] Spizzirri FD, et al. **Bol Med Hosp Infant Mex** 1984 Jul;41(7):377–82 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Clinical value of serum concentration of total bile acids in chronic hepatopathies] Pazzi P, et al. **Minerva Med** 1985 Jan 28;76(3–4):105–12 (Eng. Abstr.) **(Ita)**

ETIOLOGY

End-stage renal failure in systemic lupus erythematosus with nephritis. Correia P, et al. **Clin Nephrol** 1984 Dec;22(6):293–302

A study of lupus nephritis. Dawani ML, et al. **JPMA** 1985 Jun;35(6):167–70

An experimental model of nephritis induced by calf serum injection in mice. Tsuchimoto M, et al. **Jpn J Pharmacol** 1984 Oct;36(2):223–34

Lupus nephritis in males and females. Tareyeva IE, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985;21:712–6

Radiation nephritis and nephrotic syndrome [letter] Chauser BM. **Urology** 1984 Oct;24(4):419

Hyperreninemic hypertension secondary to radiation nephritis in a child. Hulbert WC Jr, et al. **Urology** 1985 Aug;26(2):153–6

[A case of Candida infection with severe cerebral, endocardial and renal involvement] Ceppa P, et al. **Pathologica** 1984 Jul–Aug;76(1044):487–92 (Eng. Abstr.) **(Ita)**

[Hepatitis B virus (HBV) associated nephropathy] **Nippon Jinzo Gakkai Shi** 1984 Jul;26(7):940–51 **(Jpn)**

[Physiological and pharmacological actions of prostaglandins and related substances: inflammation and allergy] Makino S. **Nippon Rinsho** 1985 Mar;43(3):523–8 (24 ref.) **(Jpn)**

[Viral nephritis] Suzuki H, et al. **Nippon Rinsho** 1984 Jun;42(6):1328–33 **(Jpn)**

FAMILIAL & GENETIC

Distinct clonotypes of anti-DNA antibodies in mice with lupus nephritis. Yoshida H, et al. **J Clin Invest** 1985 Aug;76(2):685–94

Lupus prone (SWR x NZB)F1 mice produce potentially nephritogenic autoantibodies inherited from the normal SWR parent. Gavalchin J, et al. **J Immunol** 1985 Feb;134(2):885–94

IMMUNOLOGY

The autoimmune response in active Heymann's nephritis in Lewis rats is regulated by T-lymphocyte subsets. de Heer E, et al. **Cell Immunol** 1985 May;92(2):254–64

The distribution and molecular presentation of the brush border antigen of Heymann nephritis in various rat tissues. Singh AK, et al. **Clin Exp Immunol** 1985 Jun;60(3):579–85

Immunopathogenesis of Heymann's nephritis. Biesecker G, et al. **Clin Immunol Immunopathol** 1984 Dec;33(3):333–8

Cell-mediated immunity in lupus nephritis [letter] Matsumoto K, et al. **Clin Nephrol** 1984 Jul;22(1):53

Immunopathogenesis of lupus nephritis. Smith HR. **Contrib Nephrol** 1985;45:175–80

HLA specificities, lymphocyte subsets, and mitogenic response in Henoch-Schönlein purpura nephritis. Sengar DP, et al. **Int J Pediatr Nephrol** 1984 Dec;5(4):197–200

Influence of avidity of circulating anti-DNA antibodies on murine lupus nephritis. Granholm NA, et al. **J Clin Lab Immunol** 1985 Apr;16(4):211–5

Defective cellular immune responses in lupus nephritis. Matsumoto K, et al. **J Clin Lab Immunol** 1984 Jul;14(3):161–3

Characterization of antigens and antibody specificities involved in Heymann nephritis. Kamata K, et al. **J Immunol** 1985 Oct;135(4):2400–8

Role of terminal complement pathway in the heterologous phase of antiglomerular basement membrane nephritis. Groggel GC, et al. **Kidney Int** 1985 Apr;27(4):643–51

Influence of antigen distribution on the mediation of immunological glomerular injury. Salant DJ, et al. **Kidney Int** 1985 Jun;27(6):938–50

Cigarette smoking and lung haemorrhage in anti-glomerular-basement-membrane nephritis [letter] Leaker B, et al. **Lancet** 1984 Nov 3;2(8410):1039

[Nephritis and the presence of antiribonucleoprotein antibodies in disseminated lupus erythematosus in children and adolescents] Lapointe ND, et al. **Union Med Can** 1985 Jun;114(6):490–2 (Eng. Abstr.) **(Fre)**

[Characteristics of the immune complexes deposited in the glomeruli in experimental chronic serum sickness nephritis] Masugi Y. **Nippon Ika Daigaku Zasshi** 1984 Dec;51(6):649–56 (23 ref.) **(Jpn)**

[The effect of antigenic charge on the glomerular deposition of immune complexes in acute serum sickness of rabbits] Kobayashi M, et al. **Nippon Jinzo Gakkai Shi** 1985 Apr;27(4):473–80 (Eng. Abstr.) **(Jpn)**

[The effect of antigenic charge on the glomerular localization of immune complexes in passive serum sickness nephritis of mice] Koyama A, et al. **Nippon Jinzo Gakkai Shi** 1984 Aug;26(8):1037–44 (Eng. Abstr.) **(Jpn)**

[The effect of antigen charge on the glomerular localization of immune complexes in passive serum sickness nephritis of mice] Ohta Y, et al. **Nippon Jinzo Gakkai Shi** 1984 Aug;26(8):1029–36 (Eng. Abstr.) **(Jpn)**

[Circulating immune complex and complement in children with various glomerulonephritides, especially the cases with IgA nephropathy or Henoch-Schönlein purpura nephritis] Tanaka H. **Nippon Jinzo Gakkai Shi** 1984 Aug;26(8):1131–42 (Eng. Abstr.) **(Jpn)**

[Anti-glomerular non-collagen glycoprotein antibody in nephritis] Nagasawa T. **Nippon Rinsho** 1984 Jun;42(6):1322–7 **(Jpn)**

METABOLISM

Evidence for the role of oxygen radicals in acute nephrotoxic nephritis. Rehan A, et al. **Lab Invest** 1984 Oct;51(4):396–403

Absence of sodium and water retention in rats with severe proteinuria. Van Liew JB, et al. **Nephron** 1985;40(4):476–81

Glomerular biosynthesis of hydroxyeicosatetraenoic acids in nephrotoxic serum nephritis. Lianos EA, et al. **Trans Assoc Am Physicians** 1983;96:444–50

MORTALITY

Why do patients with lupus nephritis die? Correia P, et al. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):126–31

NURSING

The patient with lupus nephritis: a nursing perspective. Joyce KM, et al. **Heart Lung** 1985 Jan;14(1):75–9

[Traditional Chinese medical care of patients with chronic nephritis] Dai MJ. **Chung Hua Hu Li Tsa Chih** 1985 Jun;20(3):140–1 **(Chi)**

PATHOLOGY

Lupus nephritis. Clinicopathology and immunopathology of 80 biopsy cases. Ishikura H, et al. **Acta Pathol Jpn** 1984 Sep;34(5):1087–98

Streptococcus mutans-induced nephritis in rabbits. Albini B, et al. **Am J Pathol** 1985 Mar;118(3):408–18

Passive Heymann-like nephritis in the rabbit. Barabas AZ, et al. **Br J Exp Pathol** 1985 Jun;66(3):357–64

Clinicopathologic correlations in lupus nephritis. Pirani CL. **Contrib Nephrol** 1985;45:185–99

[IgA nephropathy and Henoch-Schönlein purpura nephritis: clinicopathological, histopathological immunohistological, and electronmicroscopical characteristics] Hamada K. **Hokkaido Igaku Zasshi** 1984 Jul;59(4):456–70 (Eng. Abstr.) **(Jpn)**

[IgA nephropathy and purpura nephritis] Shirato I, et al. **Nippon Rinsho** 1984 Jun;42(6):1316–21 **(Jpn)**

PHYSIOPATHOLOGY

Impaired organic ion transport in proximal tubules of rats with Heymann nephritis. Park EK, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):174–84

[Clinical observations on the restoration of kidney function in patients with chronic nephritis treated with 'warming kidney' therapy––an analysis of 68 cases] Wang YJ. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Mar;5(3):158–60, 131 (Eng. Abstr.) **(Chi)**

[Renal tubular function changes in lupus nephritis] Wang YX, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Jun;24(6):344–7, 381 (Eng. Abstr.) **(Chi)**

[The osmoregulatory function of the kidneys in chronic nephritis] Gozhenko AI, et al. **Patol Fiziol Eksp Ter** 1984 Jul–Aug;(4):57–60 (Eng. Abstr.) **(Rus)**

[Acid-regulating function of the kidneys in the dynamics of experimental nephritis in rats] Kokoshchuk GI, et al. **Patol Fiziol Eksp Ter** 1985 Jan–Feb;(1):9–12 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The chest radiograph in the diagnosis of atypical nephritis due to infectious mononucleosis. Koren G, et al. **J Can Assoc Radiol** 1984 Sep;35(3):308–9

Acute focal bacterial nephritis: a systematic approach to diagnosis and treatment. Zaontz MR, et al. **J Urol** 1985 May;133(5):752–7

[Developmental aspect of renal suppurations. Apropos of 2 cases] Le Duc A, et al. **Ann Urol (Paris)** 1984 Jun–Jul;18(4):274–6 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Appraisal of lupus nephritis by renal imaging with gallium-67. Bakir AA, et al. **Am J Med** 1985 Aug;79(2):175–82

RADIOTHERAPY

Rheumatoid arthritis, lupus nephritis, and risks of lymphoid irradiation [letter] Grünwald HW, et al. **Ann Intern Med** 1985 Jul;103(1):155

SURGERY

[Primary perirenal suppurations in children: surgical or percutaneous drainage?] Frémond B, et al. **Chir Pediatr** 1985;26(1):38–43 (Eng. Abstr.) **(Fre)**

THERAPY

Hypotensive effect of plasma exchange in immune complex nephritis. Puccini R, et al. **Artif Organs** 1985 Feb;9(1):42–6

URINE

Anti-GBM nephritis in the mouse: severe proteinuria in the heterologous phase. Assmann KJ, et al. **Virchows Arch** [A] 1985;406(3):285–99

[Correlation between the morphology of erythrocytes excreted in the urine and the etiology of hematuria (letter)]

Orv Hetil 1985 Jun 9;126(23):1444–5 **(Hun)**

NEPHRITIS, FAMILIAL see **NEPHRITIS, HEREDITARY**

NEPHRITIS, HEREDITARY

BLOOD

Fechtner syndrome--a variant of Alport's syndrome with leukocyte inclusions and macrothrombocytopenia. Peterson LC, et al. **Blood** 1985 Feb;65(2):397–406

DIAGNOSIS

Renal prognosis in women with hereditary nephritis. Grünfeld JP, et al. **Clin Nephrol** 1985 Jun;23(6):267–71

ETIOLOGY

[Hereditary nephritis] Tanaka C, et al. **Nippon Rinsho** 1984 Jun;42(6):1339–45 **(Jpn)**

FAMILIAL & GENETIC

Alport's syndrome. Prakash J, et al. **J Indian Med Assoc** 1984 Dec;82(12):443–6

Genetic heterogeneity of Alport syndrome. Feingold J, et al. **Kidney Int** 1985 Apr;27(4):672–7

[Significance of family studies and kidney biopsies in children with renal hematuria] Pistor K, et al. **Monatsschr Kinderheilkd** 1985 May;133(5):269–73 (Eng. Abstr.) **(Ger)**

[Clinico-genetic characteristics of hereditary nephritis] Vel'tishchev IuE, et al. **Sov Med** 1984;(9):26–31 (Eng. Abstr.) **(Rus)**

[Genetic aspects of Alport's syndrome: a heterogeneous syndrome (letter)] Lacassie Y, et al. **Rev Chil Pediatr** 1984 May-Jun;55(3):216–7 **(Spa)**

IMMUNOLOGY

Polypeptide fragments of the third component of complement in urine of hereditary nephritis patients. Chiu FJ, et al. **J Immunol** 1985 Jun;134(6):4057–61

PATHOLOGY

Renal pathology forum. **Am J Nephrol** 1984;4(6):383–90

Hereditary chronic nephritis in India. Cariappa A, et al. **Ann Trop Paediatr** 1985 Jun;5(2):89–95

The clinical spectrum of hereditary nephritis [clinical conference] Grünfeld JP. **Kidney Int** 1985 Jan;27(1):83–92

THERAPY

Renal transplantation in Alport's syndrome. Hayes DK, et al. **Am Surg** 1985 Jul;51(7):414–7

NEPHRITIS, INTERSTITIAL

[The effect of endemic nephritis on a large number of complications in pregnant women] Mošković S, et al. **Srp Arh Celok Lek** 1984 Jan;112(1):57–62 (Eng. Abstr.) **(Scc)**

CHEMICALLY INDUCED

Ampicillin induced acute interstitial nephritis and Lyell's syndrome. Robbens EJ, et al. **Acta Clin Belg** 1985;40(2):115–7

Lithium induced interstitial nephropathy associated with chronic renal failure. Reversibility and correlation between functional and structural changes. Ottosen PD, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1984 Nov;92(6):447–54

Nonsteroidal anti-inflammatory drugs (NSAID), another nephrotoxin. Tucker SB. **Alaska Med** 1984 Oct-Dec;26(4):98–100

Potassium wasting and other renal tubular defects with rifampin nephrotoxicity. Cheng JT, et al. **Am J Nephrol** 1984;4(6):379–82

Piroxicam-induced acute interstitial nephritis and minimal-change nephrotic syndrome [letter] Fellner SK. **Am J Nephrol** 1985;5(2):142–3

Acute interstitial nephritis associated with mezlocillin, nafcillin, and gentamicin treatment for Pseudomonas infection. Cushner HM, et al. **Arch Intern Med** 1985 Jul;145(7):1204–7

Pulmonary tuberculosis complicated by haemophagocytic syndrome and rifampicin-induced tubulointerstitial nephritis. Barnes N, et al. **Br J Dis Chest** 1984 Oct;78(4):395–403

Fenclofenac induced interstitial nephritis confirmed by inadvertent rechallenge. Raftery MJ, et al. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1178–9

Granulomatous interstitial nephritis after floctafenin [letter] Vanhille P, et al. **Clin Nephrol** 1984 Oct;22(4):213–4

Nonspecificity of the renal lesion of fenoprofen nephropathy. Bender WL, et al. **Contrib Nephrol** 1984;42:253–9

Diphenylhydantoin-induced hypersensitivity reaction with interstitial nephritis. Matson JR, et al. **Hum Pathol** 1985 Jan;16(1):94–7

Reversible acute interstitial nephritis associated with indomethacin. Green J, et al. **Isr J Med Sci** 1985 Feb;21(2):142–5

Papillary necrosis, marked, associated with aspirin abuse and interstitial nephritis, acute and chronic. Mullick FG. **Milit Med** 1984 Oct;149(10):569, 575

Malignant hypertension in a woman with previous chronic lithium nephrotoxicity [letter] Bailey RR, et al. **Nephron** 1984;38(4):276

Nephrotoxicity from nonsteroidal anti-inflammatory drugs. Reeves WB, et al. **South Med J** 1985 Mar;78(3):318–22

[Acute drug-induced tubulointerstitial nephritis--analysis of 5 cases] Liu YC. **Chung Hua Nei Ko Tsa Chih** 1984 Mar;23(3):151–5 (Eng. Abstr.) **(Chi)**

[Acute interstitial nephritis associated with renal failure induced by rifampin--a case report] Chen HS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Oct;83(10):1053–7 (Eng. Abstr.) **(Chi)**

[Acute tubulointerstitial nephritis following treatment with rifampicin] Riska H, et al. **Bull Int Union Tuberc** 1984 Sep;59(3):148–9 **(Fre)**

[Acute tubulo-interstitial nephropathy associated with ingestion of sulfinpyrazone (letter)] Cledes J, et al. **Presse Med** 1985 Feb 23;14(8):488–9 **(Fre)**

COMPLICATIONS

Drug-induced interstitial nephritis. Coexistence with glomerular disease. Abt AB, et al. **Arch Intern Med** 1985 Jun;145(6):1063–7

Acute interstitial nephritis with bone marrow granulomas and uveitis. Iida H, et al. **Nephron** 1985;40(1):108–10

Acute tubulo-interstitial nephritis and uveitis syndrome (TINU syndrome). Vanhaesebrouck P, et al. **Nephron** 1985;40(4):418–22

End-stage renal failure due to familial hypokalaemic interstitial nephritis with identical HLA tissue types. Wallace MR, et al. **NZ Med J** 1985 Jan 23;98(771):5–7

[Congenital liver fibrosis associated with tubulointerstitial nephropathy resembling nephronophthisis in an 8-year-old boy] Schlegerová D, et al. **Cesk Pediatr** 1984 Oct;39(10):594–7 (Eng. Abstr.) **(Cze)**

[Acute interstitial nephritis and uveitis: a recently recognized syndrome] Leumann EP, et al. **Schweiz Med Wochenschr** 1985 Apr 20;115(16):551–5 (Eng. Abstr.) **(Ger)**

[Interstitial nephritis with iritis] Uszycka-Karcz M, et al. **Pediatr Pol** 1985 Feb;60(2):187–90 **(Pol)**

[Immunoblastic lymphoma and interstitial nephritis in Sjögren's syndrome] Cobo Reinoso ME, et al. **Med Clin (Barc)** 1984 Oct 6;83(10):420–3 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Interstitial nephritis of acute onset. Koskimies O, et al. **Arch Dis Child** 1985 Aug;60(8):752–5

DRUG THERAPY

[Acute renal failure in interstitial nephritis] Warzywoda A, et al. **Wiad Lek** 1984 Apr 1;37(7):550–4 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

[Partial and multiple correlations between 4 types of enzymuria in 2 groups of chronic nephropathic patients] Laterza G, et al. **Minerva Med** 1985 Jan 28;76(3–4):99–104 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Tubulointerstitial nephritis induced in the brown Norway rat with chaotropically solubilized bovine tubular basement membrane: the model and the humoral and cellular responses. Ulich TR, et al. **Clin Immunol Immunopathol** 1985 Aug;36(2):187–200

An etiological approach to Balkan endemic nephropathy based on the investigation of two genetically different populations. Ceović S, et al. **Nephron** 1985;40(2):175–9

[Glomerulonephritis, interstitial nephritis and renal tubular acidosis in Sjogren's syndrome--report of 2 cases] Li XW. **Chung Hua Nei Ko Tsa Chih** 1984 Apr;23(4):220–2 (Eng. Abstr.) **(Chi)**

[Acute interstitial nephritis and Meckel's diverticulum] Noël C, et al. **Ann Med Interne (Paris)** 1984;135(6):456–9 (Eng. Abstr.) **(Fre)**

[Balkan nephropathy and transitional cell carcinoma. Pathogenetic problems and the early phase of cancerogenesis] Marković B. **J Urol (Paris)** 1985;91(4):215–20 (Eng. Abstr.) **(Fre)**

[Acute interstitial nephropathy secondary to Hantaan virus infection (letter)] Hory B, et al. **Presse Med** 1984 Oct 6;13(35):2151 **(Fre)**

[Renal insufficiency caused by chronic granulomatous interstitial nephritis in Löfgren's syndrome] Hatron PY, et al. **Rev Med Interne** 1985 Jan;6(1):9–12 (Eng. Abstr.) **(Fre)**

[Granulomatous interstitial nephritis associated with glomerular changes in the IgA nephropathy type] Banach L, et al. **Patol Pol** 1984 Jul-Sep;35(3):389–96 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Clustering of the upper urothelial tumours in a family. Radovanović Z, et al. **Oncology** 1984;41(6):396–8

HISTORY

[Additional information on the history of Balkan endemic nephropathy] Tanchev I. **Vutr Boles** 1985;24(1):50–4 (Eng. Abstr.) **(Bul)**

[Previous considerations on chronic interstitial nephropathies] Martín Vivaldi J. **Actas Urol Esp** 1985;Spec No:25–8 **(Spa)**

IMMUNOLOGY

Nephroimmunopathology and pathophysiology. Wilson CB, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):F319–31 (119 ref.)

Macrophage chemotaxis in anti-tubular basement membrane-induced interstitial nephritis in guinea pigs. Kennedy TL, et al. **Clin Immunol Immunopathol** 1985 Aug;36(2):243–8

Diminished bactericidal activity in megalocytic interstitial nephritis. Cledes J, et al. **Clin Nephrol** 1985 Feb;23(2):101–4

Isolation and characterization of the nephritogenic antigen producing anti-tubular basement membrane disease. Clayman MD, et al. **J Exp Med** 1985 Feb 1;161(2):290–305

Tubular antigen-derivatized cells induce a disease-protective, antigen-specific, and idiotype-specific suppressor T cell network restricted by I-J and Igh-V in mice with experimental interstitial nephritis. Neilson EG, et al. **J Exp Med** 1985 Jul 1;162(1):215–30

Murine interstitial nephritis. IV. Long-term cultured L3T4+ T cell lines transfer delayed expression of disease as I-A-restricted inducers of the effector T cell repertoire. Mann R, et al. **J Immunol** 1985 Jul;135(1):286–93

Spontaneous interstitial nephritis in kdkd mice. I. An experimental model of autoimmune renal disease. Neilson EG, et al. **J Immunol** 1984 Nov;133(5):2560–5

Murine interstitial nephritis. III. The selection of phenotypic (Lyt and L3T4) and idiotypic (RE-Id) T cell preferences by genes in Igh-1 and H-2K characterizes the cell-mediated potential for disease expression: susceptible mice provide a unique effector T cell repertoire in response to tubular antigen. Neilson EG, et al. **J Immunol** 1985 Apr;134(4):2375–82

Endocytotic activity in epitheloid and Langhans' giant cells. Tracer studies with ferritin in the tubulointerstitial (anti-TBM) nephritis model. Langer KH, et al. **Virchows Arch [Cell Pathol]** 1984;47(2):177–82

Immunological investigations in inbred mice chronically infected with cytopathogenic agents isolated from human cases of Balkan endemic nephropathy. Voiculescu C, et al. **Virologie** 1985 Apr-Jun;36(2):119–28

[Role of the immune process in the pathogenesis of interstitial nephritis] Matoušovic K, et al. **Cas Lek Cesk** 1984 Sep 28;123(38–39):1190–4 (Eng. Abstr.) **(Cze)**

[Immunopathological examinations in experimental interstitial nephritis in goats] Wakashin M, et al. **Nippon Jinzo Gakkai Shi** 1985 Apr;27(4):459–71 (Eng. Abstr.) **(Jpn)**

METABOLISM

Value of determination of beta 2-microglobulin in toxic nephropathy and interstitial nephritis. Statius van Eps LW, et al. **Wien Klin Wochenschr** 1984 Sep 28;96(18):673–8 (34 ref.)

[Clinico-diagnostic and pathogenetic significance of lipid peroxidation in interstitial nephritis in children] Rzhevskaia ON, et al. **Urol Nefrol (Mosk)** 1984 Nov-Dec;(6):56–61 (Eng. Abstr.) **(Rus)**

[Biosynthesis of DNA and RNA in cultured cutaneous fibroblasts of patients with tubulopathies] Sivanova LA, et al. **Urol Nefrol (Mosk)** 1984 Nov-Dec;(6):64–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Dense intramembranous deposit disease: new pathologic features. Sibley RK, et al. **Kidney Int** 1984 Apr;25(4):660–70

The role of the tubulointerstitial changes in the prognosis of IgA glomerulonephritis. Nagy J, et al. **Klin Wochenschr** 1984 Nov 15;62(22):1094–6

Tubulointerstitial renal diseases of children: pathologic features and pathogenetic mechanisms in Fanconi's familial nephronophthisis, antitubular basement membrane antibody disease, and medullary cyst disease. Helczynski L, et al. **Pediatr Pathol** 1984;2(1):1–24

[Correspondence of functional and structural findings in tubulo-interstitial disorders in chronic glomerulonephritis] Ratner M, et al. **Z Urol Nephrol** 1984 Dec;77(12):711–20 (Eng. Abstr.) **(Ger)**

[The role of tubulo-interstitial tissue damage in the progression of IgA glomerulonephritis] Nagy J, et al. **Orv Hetil** 1984 Oct 21;125(43):2615–6, 2619–20 (Eng. Abstr.) **(Hun)**

[Generalized lesions of the exocrine glands and interstitial nephritis with renal tubular acidosis and renal diabetes insipidus in chronic active hepatitis of viral etiology (clinico-morphological study)] Aprosina ZG, et al. **Ter Arkh** 1984;56(12):78–83 **(Rus)**

[Acute interstitial nephritis with iridocyclitis] Kiperova B, et al. **Vutr Boles** 1984;23(6):68–72 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Prediction of the long-term outcome in acute interstitial nephritis. Kida H, et al. **Clin Nephrol** 1984 Aug;22(2):55–60

Extracellular fluid expansion and autoregulation in nephrotoxic serum nephritis in rats. Sakai T, et al. **Kidney Int** 1984 Apr;25(4):619-28

[Studies and results of the use of nuclear medicine methods in kidney function tests] Schulze BD, et al. **Z Urol Nephrol** 1984 Nov;77(11):647-54 (Eng. Abstr.) **(Ger)**

[Renal functions in inflammatory kidney diseases] Ratner MY, et al. **Klin Med (Mosk)** 1985 Jan;63(1):82-6 (Eng. Abstr.) **(Rus)**

THERAPY

Pain perception expressed by postoperative analgetica need in patients with nephropathia interstitialis chronica e phenacetin. Egfjord M, et al. **Int J Addict** 1985 Feb; 20(2):363-8

[Treatment of chronic interstitial nephritis with autovaccines] Mošnová H, et al. **Cesk Epidemiol Mikrobiol Imunol** 1985 Feb;34(1):23-31 (Eng. Abstr.) **(Cze)**

URINE

Clinical correlates of eosinophiluria. Corwin HL, et al. **Arch Intern Med** 1985 Jun;145(6):1097-9

Tamm-Horsfall protein in Balkan endemic nephropathy. Cvoriščec D, et al. **J Clin Chem Clin Biochem** 1985 Apr; 23(4):177-81

VETERINARY

Nephropathogenicity of infectious bronchitis virus. Winterfield RW, et al. **Poult Sci** 1984 Dec;63(12):2358-63

NEPHRITIS, TUBULOINTERSTITIAL see **NEPHRITIS, INTERSTITIAL**

NEPHROBLASTOMA

Pseudohermaphroditism, glomerulopathy, and Wilms tumor (Drash syndrome): frequency in end-stage renal failure. Eddy AA, et al. J **Pediatr** 1985 Apr;106(4):584-7

Extrarenal Wilms' tumor. Todd DW, et al. **Minn Med** 1984 Nov;67(11):635-8

Pediatric urologic oncology. Kramer SA. **Urol Clin North Am** 1985 Feb;12(1):31-42 (80 ref.)

ANALYSIS

Glycosaminoglycan in the blood and renal tissue of a patient with nephroblastomatosis. Jaynes PK, et al. **Ann Clin Lab Sci** 1985 Jan-Feb;15(1):45-50

Histochemical and immunohistochemical characterization of surgically resected and heterotransplanted Wilms' tumor. Yeger H, et al. **Cancer Res** 1985 May;45(5):2350-7

Mesoblastic nephroma contains fibronectin but lacks laminin. Kumar S, et al. **J Clin Pathol** 1985 May;38(5):507-11

Absence of immunoperoxidase staining for myoglobin in the malignant rhabdoid tumor of the kidney. Rutledge J, et al. **Pediatr Pathol** 1983 Jan-Mar;1(1):93-8

BLOOD SUPPLY

Significance of collateral arterial supply to Wilms' tumours. Lundkvist K, et al. **Acta Radiol [Diagn] (Stockh)** 1985 May-Jun;26(3):293-7

COMPLICATIONS

Association of Wilms' tumor with Peter's anomaly. Eiferman RA. **Ann Ophthalmol** 1984 Oct;16(10):933-4

Hypercalcemia preferentially occurs in unusual forms of childhood non-Hodgkin's lymphoma, rhabdomyosarcoma, and Wilms' tumor. A study of 11 cases. Leblanc A, et al. **Cancer** 1984 Nov 15;54(10):2132-6

Fetal alcohol syndrome and malignant disease [letter] Kiess W, et al. **Eur J Pediatr** 1984 Dec;143(2):160-1

Metastatic Wilms' tumor causing acute hepatic-vein occlusion (Budd-Chiari syndrome). Schraut WH, et al. **Gastroenterology** 1985 Feb;88(2):576-9

Wilms tumor in horseshoe kidneys: a report from the National Wilms Tumor Study. Mesrobian HG, et al. **J Urol** 1985 Jun;133(6):1002-3

Wilms tumor and nephrotic syndrome in male pseudohermaphroditism. Koyanagi T, et al. **Urology** 1984 Dec;24(6):595-600

[Wilms tumor in childhood diagnosed during therapy of acute lymphoid leukemia] Zimonyi I, et al. **Orv Hetil** 1985 Jan 13;126(2):91-2 (Eng. Abstr.) **(Hun)**

CONGENITAL

Cellular congenital mesoblastic nephroma in a newborn. Schmidt D, et al. **Pathol Res Pract** 1984 Nov;179(2):242-9

Wilms' tumor associated with Moyamoya disease: a case report. Watanabe Y, et al. **Z Kinderchir** 1985 Apr; 40(2):114-6

DIAGNOSIS

The Perlman syndrome: familial renal dysplasia with Wilms tumor, fetal gigantism and multiple congenital anomalies. Neri G, et al. **Am J Med Genet** 1984 Sep;19(1):195-207

Ultrasound and the diagnosis of Wilms' tumour [letter] Mathers NJ, et al. **Arch Dis Child** 1985 Feb;60(2):186-7

Management of solid tumors in children. Becton DL, et al. **Compr Ther** 1984 Nov;10(11):58-66

Developmental cystic renal neoplasms in children. Diagnostic imaging characteristics. Fitch S, et al. **Comput Radiol** 1985 May-Jun;9(3):149-58

Neonatal renal tumor with polyhydramnios. Romano WL. **J Ultrasound Med** 1984 Oct;3(10):475-6

The diagnosis and management of Wilms' tumor. Green DM. **Pediatr Clin North Am** 1985 Jun;32(3):735-54 (109 ref.)

Adult Wilms' tumor: clinical and radiographic features. Kumar R, et al. **Urol Radiol** 1984;6(3-4):164-9

[Echotomography in extensive pathology of the renal-adrenal region] Ghigi G, et al. **Radiol Med (Torino)** 1984 Sep;70(9):659-60 **(Ita)**

[Wilm's tumor in multilocular cysts of both kidneys] Sasaki F, et al. **Rinsho Hoshasen** 1984 Nov;29(12):1427-30 (Eng. Abstr.) **(Jpn)**

[2 cases of Wilms' tumor in adults] Musierowicz A, et al. **Wiad Lek** 1984 Jul 1;37(13):1038-42 (Eng. Abstr.) **(Pol)**

[Nephroblastoma with metastasis to the heart simulating portal hypertension syndrome in an 8-year-old boy] Sliwa F, et al. **Wiad Lek** 1985 Apr 15;38(8):600-4 (Eng. Abstr.) **(Pol)**

[A rare case of Wilms' tumor in an adult] Evdokimov VG, et al. **Klin Med (Mosk)** 1985 Jun;63(6):130-1 **(Rus)**

DRUG THERAPY

The sensitivity testing of Wilms' tumors to cytostatic agents with an autoradiographic in vitro short-term test. Willnow U. **Neoplasma** 1984;31(6):719-26

Chemotherapy-induced histologic changes in Wilms' tumors. Guarda LA, et al. **Pediatr Pathol** 1984;2(2):197-206

[Preoperative chemotherapy of testicular cancer and Wilm's tumor] Kawai T. **Gan To Kagaku Ryoho** 1985 May; 12(5):1025-30 (Eng. Abstr.) **(Jpn)**

[Antitumor antibiotics in the treatment of nephroblastomas in children] Badalian GKh, et al. **Antibiotiki** 1984 Sep; 29(9):676-8 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of preoperative polychemotherapy of nephroblastomas in children by angiography, ultrasonic tomography and computed tomography] Dolgushin BI, et al. **Vopr Onkol** 1985; 31(8):67-72 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Distribution and properties of type I and type II binding proteins in the cyclic adenosine 3':5'-monophosphate-dependent protein kinase system in Wilms' tumor. Nakajima F, et al. **Cancer Res** 1984 Nov; 44(11):5182-7

ETIOLOGY

Nephroblastomatosis and Wilms' tumor. Clinical experience and management of seven patients. Heideman RL, et al. **Cancer** 1985 Apr 1;55(7):1446-51

Obstructive uropathy, renal dysplasia and nodular renal blastema: is there a relationship to Wilms tumor? Gaddy CD, et al. **J Urol** 1985 Aug;134(2):330-3

[Wilms' tumor and Beckwith-Wiedemann syndrome] Zmudzka I, et al. **Pol Przegl Radiol (Warszawa)** 1984 Sep-Oct;48(5):321-3 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Constitutional mosaic t(2;7)(q33;p22) and other rearrangements in a girl with Wilms' tumor. Rivera H, et al. **Ann Genet (Paris)** 1985;28(1):52-4

Abnormalities of chromosomes 1 and 11 in Wilms' tumor. Douglass EC, et al. **Cancer Genet Cytogenet** 1985 Jan 15; 14(3-4):331-8

A cytogenetic study of Wilms' tumor. Slater RM, et al. **Cancer Genet Cytogenet** 1985 Jan 1;14(1-2):95-109

Localization of the oncogene c-Ha-ras1 outside the aniridia-Wilms' tumor-associated deletion of chromosome 11(del 11p13) using somatic cell hybrids. van Kessel AG, et al. **Cancer Genet Cytogenet** 1985 Feb 1;15(1-2):79-84

Chromosome abnormalities in tumor cells from patients with sporadic Wilms' tumor. Kondo K, et al. **Cancer Res** 1984 Nov;44(11):5376-81

Del 11p/aniridia complex. Report of three patients and review of 37 observations from the literature. Turleau C, et al. **Clin Genet** 1984 Oct;26(4):356-62

Bilateral nephroblastoma associated with a 3;17 translocation. Soulie J, et al. **Cytogenet Cell Genet** 1985;39(1):64-6

Molecular analysis of gene deletion in aniridia--Wilms tumor association. Michalopoulos EE, et al. **Hum Genet** 1985; 70(2):157-62

High-resolution studies in patients with aniridia-Wilms tumor association [letter] Nakagome Y, et al. **Hum Genet** 1985;70(3):289

A mitotic recombination in Wilms tumor occurs between the parathyroid hormone locus and 11p13. Raizis AM, et al. **Hum Genet** 1985;70(4):344-6

Del11p13/nephroblastoma without aniridia. Turleau C, et al. **Hum Genet** 1984;67(4):455-6

Racial variation in incidence of Wilms' tumor: relationship to congenital anomalies. Kramer S, et al. **Med Pediatr Oncol** 1984;12(6):401-5

11p13 deletion and reduced RBC catalase in a patient with aniridia, glaucoma and bilateral Wilms' tumor. Barletta C, et al. **Tumori** 1985 Apr 30;71(2):119-21

IMMUNOLOGY

Blood group antigen expression in nephroblastoma. Gane P, et al. **Br J Urol** 1984 Apr;56(2):153-8

METABOLISM

Pharmacokinetics of fentanyl in children with renal disease. Koren G, et al. **Res Commun Chem Pathol Pharmacol** 1984 Dec;46(3):371-9

Specificity of renotropin receptors in murine Wilms tumor model. Tritsch GL, et al. **Urology** 1985 May;25(5):511-4

MICROBIOLOGY

Developmental and molecular aspects of nephroblastomas induced by avian myeloblastosis-associated virus 2-O. Böni-Schnetzler M, et al. **J Virol** 1985 Jul;55(1):213-22

PATHOLOGY

Extracellular matrix and epithelial differentiation of Wilms' tumor. Sariola H, et al. **Am J Pathol** 1985 Jan;118(1):96-107

Wilms' tumor of the endocervix. Bell DA, et al. **Arch Pathol Lab Med** 1985 Apr;109(4):371-3

Hydropic cell variant (clear cell variant) of Wilms' tumor. Edwards O, et al. **Arch Pathol Lab Med** 1985 Oct; 109(10):956-8

Wilms' tumor and glomerulopathy [letter] Waldherr R, et al. **Arch Pathol Lab Med** 1985 Jan;109(1):7-8

Relationship of histology of Wilms' tumor to growth characteristics of nude mouse heterotransplants. Yeger H, et al. **Cancer Res** 1985 May;45(5):2340-9

Distribution of vimentin, cytokeratins, and desmosomal-plaque proteins in human nephroblastoma as revealed by specific antibodies: co-existence of cell groups of different degrees of epithelial differentiation. Denk H, et al. **Differentiation** 1985;29(1):88-97

A case of bilateral Wilms' tumour of the kidneys and the retrourethral region. Shimao S, et al. **Eur J Pediatr** 1984 Dec;143(2):158-60

Bilateral cystic nephroblastomas and multiple malformations with trisomy 8 mosaicism. Nakamura Y, et al. **Hum Pathol** 1985 Jul;16(7):754-6

Wilm's tumour: a histopathological study of 115 cases. Shrikhande SS, et al. **Indian J Cancer** 1983 Nov-Dec; 20(5):236-40

Rhabdomyosarcomatous uterine adenosarcoma. Chen KT. **Int J Gynecol Pathol** 1985;4(2):146-52

Anaplastic Wilms' tumor: clinical and pathologic studies. Bonadio JF, et al. **J Clin Oncol** 1985 Apr;3(4):513-20

Prognosis for Wilms' tumor patients with nonmetastatic disease at diagnosis--results of the second National Wilms' Tumor Study. Breslow N, et al. **J Clin Oncol** 1985 Apr; 3(4):521-31

Induction of nephroblastoma-like renal tumours in rats by a single dose of 1,2-dimethylhydrazine. Sadrudin AA, et al. **J Pathol** 1985 Mar;145(3):229-39

Recurrence of Wilms tumor after apparent cure. Kim TH, et al. **J Pediatr** 1985 Jul;107(1):44-9

Bilateral Wilms' tumor: 18-year follow-up of patient treated only with surgery. Proffitt RD, et al. **J Tenn Med Assoc** 1985 Mar;78(3):135-7

Intraoperative ultrasound guidance for needle biopsy of a contralateral intrarenal 'tumorlet' in a child with Wilms' Tumor. Rosenberg HK, et al. **J Ultrasound Med** 1985 Jun; 4(6):311-4

Adult nephroblastoma with glomerular intracapillary deposits of IgM in the contralateral kidney. Banik S, et al. **J Urol** 1985 Aug;134(2):339-41

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 17-1985. A 13-year-old boy with aniridia and proteinuria 11 years after nephrectomy for a Wilms' tumor. **N Engl J Med** 1985 Apr 25;312(17):1111-9

Ectopic immature renal tissue. Report of two cases. Goldberg J, et al. **Pathol Res Pract** 1984 Sep;179(1):115-23

Wilms tumor arising in horseshoe kidney. Trulock TS, et al. **Urology** 1985 Mar;25(3):306-9

Childhood kidney tumours: in vitro studies and natural history. Kumar S, et al. **Virchows Arch** [A] 1984; 405(1):95-111

Inguinal nephroblastoma. Lüchtrath H, et al. **Virchows Arch** [A] 1984;405(1):113-8

Intraperitoneal rupture of a Wilms' tumor. Kosloske AM, et al. **West J Med** 1985 May;142(5):694-6

[Histogenetic aspects of mesoblastic nephroma. Apropos of a case in an adult] Iraqi A, et al. **Arch Anat Cytol Pathol** 1984;32(4):249-52 (Eng. Abstr.) **(Fre)**

[Diffuse cortical nephroblastomatosis. Apropos of a case] Larbre F, et al. **Pediatrie** 1984 Jun;39(4):261-6 (Eng. Abstr.) **(Fre)**

[Bolande's tumor: a rare tumor in infants (letter)] Belloir A, et al. **Presse Med** 1984 Nov 3;13(39):2392 **(Fre)**

[A case of congenital mesoblastic nephroma growing with a polypoid pattern in the renal pelvis and ureter] Matsuki H, et al. **Hinyokika Kiyo** 1984 Aug;30(8):1075-84 (Eng. Abstr.) **(Jpn)**

[Glomerulus-like structures in Wilms' tumor] Sokolova IN. **Arkh Patol** 1984;46(12):36-42 (Eng. Abstr.) **(Rus)**

[Cytologic characteristics of nephroblastoma] Koriakina RF. **Lab Delo** 1985;(2):81-4 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Inhibitory effect of dietary p-methoxybenzeneselenol on azoxymethane-induced colon and kidney carcinogenesis in female F344 rats. Reddy BS, et al. **JNCI** 1985 Jun;74(6):1325-8

RADIOGRAPHY

Distinguishing neuroblastoma from Wilms tumor by computed tomography. Peretz GS, et al. **J Comput Assist Tomogr** 1985 Sep-Oct;9(5):889-93

Multifocal nephroblastomatosis: clinical significance and imaging. Montgomery P, et al. **Pediatr Radiol** 1984;14(6):392-5

[Nephroblastoma with egg-shell peripheral calcifications. Apropos of 3 cases] Chaabane M, et al. **J Radiol** 1984 Oct;65(10):657-63 (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Unilateral hypoplasia of the hemithorax causing 'pseudoscoliosis' after lung irradiation in a child with Wilms' tumor. Kinsella JP, et al. **Pediatr Radiol** 1985;15(5):340-2

SECONDARY

Nephroblastoma presenting with pneumomediastinum. Das K, et al. **Indian J Chest Dis Allied Sci** 1984 Jan-Mar;26(1):46-7

Abdominal relapses in irradiated second National Wilms' Tumor Study patients. Thomas PR, et al. **J Clin Oncol** 1984 Oct;2(10):1098-101

Case report 287: Metastatic Wilms tumor with rhabdomyosarcomatous and osteosarcomatous elements. Bertoni F. **Skeletal Radiol** 1984;12(3):218-21

[An unusual location of a metastasis of Wilm's tumor] Horniaková M, et al. **Rozhl Chir** 1984 Nov;63(11):778-82 (Eng. Abstr.) **(Slo)**

SURGERY

Second-look laparotomy for Wilms' tumor: indications and results in 19 patients. Grosfeld JL, et al. **J Pediatr Surg** 1985 Apr;20(2):145-9

Partial nephrectomy for Wilms' tumor in a child with hemihypertrophy. Proceedings of the Tumor Board of the Children's Hospital of Philadelphia [clinical conference] Bishop HC, et al. **Med Pediatr Oncol** 1985;13(1):37-9

The advantages of preoperative therapy in Wilms' tumour. A summarised report on clinical trials conducted by the International Society of Paediatric Oncology (SIOP). Bürger D, et al. **Z Kinderchir** 1985 Jun;40(3):170-5

[Role of surgery in the treatment of Wilms' tumor] Esposito G, et al. **Minerva Urol Nefrol** 1984 Jan-Mar;36(1):29-34 (Eng. Abstr.) **(Ita)**

[Late recurrence of Wilms' tumor] Perilongo G, et al. **Pediatr Med Chir** 1984 May-Jun;6(3):447-8 (Eng. Abstr.) **(Ita)**

[Indications of extracorporeal surgery (autotransplantation) for upper urinary tumors and renal calculi] Osawa A, et al. **Hinyokika Kiyo** 1984 Nov;30(11):1557-64 (Eng. Abstr.) **(Jpn)**

THERAPY

The changing management of Wilms' tumor over a 30-year period. 1949-1978. Clouse JW, et al. **Cancer** 1985 Sep 15;56(6):1484-9

An evaluation of surgical treatment and chemotherapy of advanced neuroblastoma (stage III & IV) with special reference to proliferation kinetics of residual tumors. Ogita S, et al. **J Pediatr Surg** 1985 Apr;20(2):150-4

Oncology seen through the prism of Wilms tumor. D'Angio GJ. **Med Pediatr Oncol** 1985;13(2):53-8

[Clinical application of renal artery embolization analysis of 40 cases] Zhao WP, et al. **Chung Hua Wai Ko Tsa Chih** 1985 May;23(5):286-7, 318-9 (Eng. Abstr.) **(Chi)**

[Wilm's tumor] Fossati Bellani F. **Pediatr Med Chir** 1984 Mar-Apr;6(2):193-200 (Eng. Abstr.) **(Ita)**

[Current treatment of Wilms' tumor] Proca E, et al. **Rev Chir [Chir]** 1983 Jul-Aug;32(4):241-51 (Eng. Abstr.) **(Rum)**

ULTRASTRUCTURE

Electron-microscopic analysis of nephroblastomas induced transplacentally in the IIIVO/J rabbit by a single dose of N-ethylnitrosourea. Hard GC, et al. **Am J Pathol** 1984 Nov;117(2):239-51

VETERINARY

Nephroblastoma with liver and lung metastases in an adult dog. Nakayama H, et al. **Nippon Juigaku Zasshi** 1984 Dec;46(6):897-900

Cystic nephroblastoma of an aged dog. Umeda M, et al. **Vet Pathol** 1985 Jan;22(1):84-5

NEPHROCALCINOSIS

Distal renal tubular acidosis and lymphocytic thyroiditis with spontaneously resolving hyperthyroidism. Report of 1 case without nephrocalcinosis. Jaeger P, et al. **Am J Nephrol** 1985;5(2):116-20

CHEMICALLY INDUCED

Age and the development of nephrocalcinosis induced by injections of neutral phosphate in rats. Zalups RK. **Acta Morphol Hung** 1984;32(2):121-5

The effect of fluoride on nephrocalcinosis in rats. Harrison JE, et al. **Clin Biochem** 1985 Apr;18(2):109-13

Sonographic diagnosis of furosemide-induced nephrocalcinosis in newborn infants. Pearse DM, et al. **J Ultrasound Med** 1984 Dec;3(12):553-6

Unsuspected medullary nephrocalcinosis from furosemide administration: sonographic evaluation. Reuter K, et al. **JCU** 1985 Jun;13(5):357-9

COMPLICATIONS

Renal magnesium and phosphate wastage in a patient with hypercalciuria and nephrocalcinosis: effect of oral phosphorus and magnesium supplements. Ulmann A, et al. **Nephron** 1985;40(1):83-7

DIAGNOSIS

Hypophosphatasia and nephrocalcinosis demonstrated by ultrasound and CT. Sumner TE, et al. **Clin Nephrol** 1984 Dec;22(6):317-9

DRUG THERAPY

[Effect of calcium antagonists (nifedipine) on nephrocalcinosis and calcium excretion in the rat] Bichler KH, et al. **Urol Int** 1985;40(1):13-21 (Eng. Abstr.) **(Ger)**

ETIOLOGY

A variant of Bartter's syndrome. Bartter's syndrome associated with hydramnios, prematurity, hypercalciuria and nephrocalcinosis. Ohlsson A, et al. **Acta Paediatr Scand** 1984 Nov;73(6):868-74

Sodium-losing nephropathy and nephrocalcinosis after transplantation. Ferguson RK, et al. **Am J Kidney Dis** 1985 Mar;5(3):206-10

The influence of dietary calcium on kidney calcification and renal function in rats fed high-phosphate diets. Schaafsma G, et al. **Bone** 1985;6(3):155-63

Nephrocalcinosis and diets containing alkali- and non-alkali-treated soy protein. Zalups RK. **Exp Mol Pathol** 1984 Oct;41(2):218-26

Influence of diet on the development of nephrocalcinosis in the rat. Zalups RK. **Virchows Arch [Cell Pathol]** 1984;47(3):271-9

FAMILIAL & GENETIC

Syndrome of amelogenesis imperfecta, nephrocalcinosis, impaired renal concentration, and possible abnormality of calcium metabolism. Lubinsky M, et al. **Am J Med Genet** 1985 Feb;20(2):233-43

METABOLISM

Calcium metabolism in uremic nephrocalcinosis: preventive effect of verapamil. Goligorsky MS, et al. **Kidney Int** 1985 May;27(5):774-9

RADIOGRAPHY

The renal parenchymal stone: a benign calcified renal mass. Paling MR, et al. **Urol Radiol** 1984;6(3-4):170-4

NEPHROLOGY

see related
KIDNEY DISEASES

Development of a nephrology and hypertension information system. Dumler F, et al. **Henry Ford Hosp Med J** 1984;32(3):174-7

About Kidney International [editorial] Andreoli TE. **Kidney Int** 1985 Jan;27(1):1-2

HISTORY

Acceptance of the George M. Kober Medal for 1984. Berliner RW. **Trans Assoc Am Physicians** 1984;97:clxiv-clxviii

Presentation of the George M. Kober Medal to Robert William Berliner. Orloff J. **Trans Assoc Am Physicians** 1984;97:cxlvii-clxiii

TRENDS

[Achievements and problems in nephrology] Borisov IA, et al. **Ter Arkh** 1984;56(7):3-10 **(Rus)**

NEPHRONS

ABNORMALITIES

Familial occurrence of oligomeganephronia. Kusuyama Y, et al. **Acta Pathol Jpn** 1985 Mar;35(2):449-57

ANATOMY & HISTOLOGY

Stimulation of phospholipid turnover by angiotensin II and phenylephrine in proximal convoluted tubules microdissected from mouse nephron. Wirthensohn G, et al. **Pflugers Arch** 1985 May;404(1):94-6

DRUG EFFECTS

Haematological findings in the rat following administration of nephrotoxic doses of mercuric chloride. Berger J. **Haematologia (Budap)** 1985;18(1):53-62

Reduction of the drug-induced nephrotoxicity by ATP-MgCl2. II. Effects on gentamicin-treated isolated perfused kidneys. Sumpio BE, et al. **J Surg Res** 1985 May;38(5):438-45

Reduction of the drug-induced nephrotoxicity by ATP-MgCl2. I. Effects on the cis-diamminedichloroplatinum-treated isolated perfused kidneys. Sumpio BE, et al. **J Surg Res** 1985 May;38(5):429-37

Effects of nicotine on epithelial nephron cells in culture. Horster M, et al. **Klin Wochenschr** 1984;62 Suppl 2:86-91

Correlation between distal nephron enzyme activity, structure and function in rats during lithium and lithium plus neuroleptic treatment. Nørgaard T, et al. **Renal Physiol** 1985;8(1):50-61

[Effect of furosemide on the permeability of the wall of intact and ischemic nephrons in the rat] Lebedev AA, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):92-6 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Role of the thyroid in the involution of the mesonephric Malpighian corpuscles in the chick embryo. Vergnaud O, et al. **Biol Cell** 1984;51(1):97-104

[Study of the development of human fetal kidney: relevance of tubular basement membrane to the formation and development of the nephron] Miyabe N, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Dec;75(12).1949-55 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Glucocorticoid effects on Na-K-ATPase in rabbit nephron segments. Garg LC, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):F487-91

Quantitative microphotometric succinate dehydrogenase histochemistry in human nephron. Schmid H. **Basic Appl Histochem** 1984;28(3):221-31

Distribution of aminopeptidases in various nephron segments isolated from rat kidney. Sudo J, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):3235-43

Histochemical localization of hormone sensitive adenylate cyclase in defined nephron epithelia in culture. Wilson PD, et al. **Histochemistry** 1985;82(6):539-45

Altered distribution pattern of Na+-K+-ATPase and succinate dehydrogenase activities along the nephron in human acute post-transplant renal failure. Schmid H, et al. **J Clin Chem Clin Biochem** 1985 Jan;23(1):27-34

Evidence for beta adrenoceptors in proximal tubules. Isoproterenol-sensitive adenylate cyclase in pars recta of canine nephron. Murayama N, et al. **J Clin Invest** 1985 Aug;76(2):474-81

Na-K-ATPase in single nephron segments of hypertension-prone rats. Doucet A, et al. **J Hypertens** 1983 Jun;1(1):53-6

Sodium-potassium-adenosine triphosphatase in nephron segments of spontaneously hypertensive rats. Garg LC, et al. **J Lab Clin Med** 1985 Jul;106(1):43-6

Distribution of N-acetyl-beta-D-glucosaminidase isoenzymes along the rabbit nephron. Bourbouze R, et al. **Kidney Int** 1984 Apr;25(4):636-42

Enzyme distribution along the nephron. Guder WG, et al. **Kidney Int** 1984 Aug;26(2):101-11 (79 ref.)

Specific activity of Na-K-ATPase after adrenalectomy and hormone replacement along the rabbit nephron. El Mernissi G, et al. **Pflugers Arch** 1984 Nov;402(3):258-63

IMMUNOLOGY

Development and heterogeneity of antigens in the immature nephron. Reactivity with human antiglomerular basement membrane autoantibodies. Jeraj K, et al. **Am J Pathol** 1984 Nov;117(2):180-3

[Monoclonal antibodies against surface antigens of lymphoblasts and blood cells or bone marrow recognize constituents of the human nephron] Perrot JY, et al. **Nephrologie** 1984;5(2):53-7 (Eng. Abstr.) **(Fre)**

METABOLISM

Lactate production in isolated segments of the rat nephron. Bagnasco S, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):F522-6

Effects of dDAVP on rat juxtamedullary nephrons: stimulation of medullary K recycling. Elalouf JM, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F291-8

Aldosterone binding in isolated tubules. IV. Autoradiography along the nephron of the spontaneously hypertensive rat. Farman N, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):F99-106

Reabsorption and secretion of alpha-ketoglutarate along the rat nephron: a micropuncture study. Ferrier B, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):F404-12

Juxtamedullary nephrons during acute metabolic alkalosis in the rat. Frommer JP, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):F107-16

Tubular capacity for phosphate reabsorption in superficial and deep nephrons. Haramati A. **Am J Physiol** 1985 May;248(5 Pt 2):F729-33

1,25(OH)2D3 binding along the rat nephron:

autoradiographic study in isolated tubular segments. Manillier C, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):F296-307

Alpha2-adrenoceptors and cellular cAMP levels in single nephron segments from the rat. Umemura S, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):F28-33

Lack of inhibition by atrial natriuretic factor on cyclic AMP levels in single nephron segments and the glomerulus. Umemura S, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):943-9

Validation of the difference in urine and blood carbon dioxide tension during bicarbonate loading as an index of distal nephron acidification in experimental models of distal renal tubular acidosis. DuBose TD Jr, et al. **J Clin Invest** 1985 Apr;75(4):1116-23

Segmental analysis of renal glucose transport in young female rats. McSherry NR, et al. **J Physiol (Lond)** 1984 Nov; 356:9-19

Effect of prostaglandin blockade on Na transport by the different segments of human nephron. Satta A, et al. **Panminerva Med** 1984 Jul-Sep;26(3):149-55

Metabolic CO2 production by isolated single pieces of rat distal nephron segments. Le Bouffant F, et al. **Pflugers Arch** 1984 Aug;401(4):346-53

Effect of chronic metabolic acidosis on ammonia production from L-glutamine in microdissected rat nephron segments. Nonoguchi H, et al. **Pflugers Arch** 1985 Mar;403(3):229-35

Captopril inhibits sodium and water transport in the toad skin, a model of the distal nephron. Orce GG, et al. **Pharmacol Res Commun** 1985 Jan;17(1):33-47

Stereo-specificity of diuretic receptors in the nephron: a study of the enantiomers of indacrinone (MK-196) in man. Brooks BA, et al. **Renal Physiol** 1984;7(5):304-10

Studies on the nephron segment with reduced sodium reabsorption during starvation natriuresis. Satta A, et al. **Renal Physiol** 1984;7(5):283-92

[Binding of aldosterone to its receptors along the nephron of the normal and spontaneously hypertensive rat] Farman N, et al. **Arch Mal Coeur** 1984 Oct;77(11):1238-41 (Eng. Abstr.) **(Fre)**

[Renal kallikrein-kinin system. Biochemical and clinical aspects] Kuska J, et al. **Postepy Hig Med Dosw** 1984 Mar-Apr;38(2):169-85 (91 ref.) (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Changes in the nephrons and juxtaglomerular apparatus of the kidneys of monkeys after antiorthostatic hypokinesia] Pankova AS, et al. **Kosm Biol Aviakosm Med** 1984 Sep-Oct; 18(5):83-6 **(Rus)**

PHYSIOLOGY

Site and mechanism of action of diuretics. Kokko JP. **Am J Med** 1984 Nov 5;77(5A):11-7

Tubuloglomerular feedback after nephron or ureteral obstruction. Tanner GA. **Am J Physiol** 1985 May;248(5 Pt 2):F688-97

Impaired diluting capacity of the thick ascending limb during loop bicarbonate and nitrate perfusion in vivo. Gutsche HU, et al. **Can J Physiol Pharmacol** 1984 Nov; 62(11):1416-22

Contribution of individual superficial nephron segments to ammonium handling in chronic metabolic acidosis in the rat. Evidence for ammonia disequilibrium in the renal cortex. Simon E, et al. **J Clin Invest** 1985 Aug;76(2):855-64

Age is a determinant of the glomerular morphologic and functional responses to chronic nephron loss. O'Donnell MP, et al. **J Lab Clin Med** 1985 Sep;106(3):308-13

Effects of intra-animal nephron heterogeneity on studies of glomerular dynamics. Oken DE, et al. **Kidney Int** 1985 Jun; 27(6):871-8

Nephrogenous cyclic AMP during extracellular volume expansion: relationship to early and late aortic constriction. Gura V, et al. **Miner Electrolyte Metab** 1985;11(4):270-6

Response to isotonic saline infusion after selective renal cortical ablation in the rat. Martinez-Maldonado M, et al. **Miner Electrolyte Metab** 1985;11(2):69-78

Functional heterogeneity of the descending limbs of Henle's loop. I. Internephron heterogeneity in the hamster kidney. Imai M, et al. **Pflugers Arch** 1984 Dec;402(4):385-92

[Autoregulation of nephron function: tubular-glomerular feedback] Zhen BY, et al. **Sheng Li Ko Hsueh Chin Chan** 1984 Apr;15(2):178-81 **(Chi)**

[The effect of hemodialysis on the function of residual nephrons] Teplan V, et al. **Cas Lek Cesk** 1984 Nov 2; 123(44):1341-4 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

Nephron adaptation to renal injury or ablation. Brenner BM. **Am J Physiol** 1985 Sep;249(3 Pt 2):F324-37 (129 ref.)

Nephron heterogeneity in ischemic acute renal failure. Conger JD, et al. **Kidney Int** 1984 Oct;26(4):422-9

ULTRASTRUCTURE

Direct visualization of the isolated and perfused macula densa. Kirk KL, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):F890-4

A method to identify microinjected nephrons of rat. Shimamura T, et al. **Stain Technol** 1984 Jul;59(4):221-4

[Structure and functions of biological membranes in kidney diseases] Vel'tishchev IuE, et al. **Sov Med** 1985;(4):51-5 (54 ref.) **(Rus)**

[Structural bases for the minimization of function of the proximal epitheliocytes of the nephrons in a single acute overheating of the body] Mkrtchan OZ. **Tsitol Genet** 1984 Sep-Oct;18(5):323-6 (Eng. Abstr.) **(Rus)**

NEPHROPATHY, IGA see **GLOMERULONEPHRITIS, IGA**

NEPHROPATHY, MINIMAL CHANGE see **NEPHROSIS, LIPOID**

NEPHROSCLEROSIS

COMPLICATIONS

Marked proteinuria in hypertensive nephrosclerosis. Mujais SK, et al. **Am J Nephrol** 1985;5(3):190-5

[Association of renal microaneurysms and nephroangiosclerosis (letter)] Chagnac A, et al. **Presse Med** 1985 Mar 23;14(12):698 **(Fre)**

[Glomerular diseases and hypertension] Kimura K, et al. **Nippon Rinsho** 1984 Jun;42(6):1406-10 **(Jpn)**

DRUG THERAPY

Acute and chronic effects of sulindac on renal function in chronic renal disease. Swainson CP, et al. **Clin Pharmacol Ther** 1985 Mar;37(3):298-300

ETIOLOGY

Potassium protects against renal tubule lesions in NaCl-fed hypertensive Dahl S rats. Tobian L, et al. **Trans Assoc Am Physicians** 1983;96:417-25

Amyloid vascular disease and contracted kidneys--report of a case with review of literature. Honma K, et al. **Wien Klin Wochenschr** 1984 Aug 31;96(16):629-33

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 17-1985. A 13-year-old boy with aniridia and proteinuria 11 years after nephrectomy for a Wilms' tumor. **N Engl J Med** 1985 Apr 25;312(17):1111-9

NEPHROSIS

BLOOD

Catabolism of very low density lipoproteins in experimental nephrosis. Garber DW, et al. **J Clin Invest** 1984 Oct; 74(4):1375-83

CHEMICALLY INDUCED

Cadmium, analgesics, and the chronic progressive nephrosis in the female Sprague-Dawley rat. Viau C, et al. **Arch Toxicol** 1984 Oct;55(4):247-9

Incorporation of 35sulfate into the glomerular basement membrane in puromycin aminonucleoside nephrosis. Garin EH, et al. **Int J Pediatr Nephrol** 1985 Apr-Jun;6(2):117-20

Amelioration of albuminuria induced by dilazep administration in aminonucleoside nephrosis of rats. Nagase M, et al. **Nippon Jinzo Gakkai Shi** 1985 Mar;27(3):385-91

COMPLICATIONS

Nephrosis with varicocele: probable renal vein thrombosis. Yazbeck S, et al. **Eur Urol** 1985;11(3):215-6

Massive obesity and nephrotic proteinuria with a normal renal biopsy. Wesson DE, et al. **Nephron** 1985;40(2):235-7

CONGENITAL

Accumulation of laminin and type IV collagen in the kidney in congenital nephrosis. Autio-Harmainen H, et al. **Kidney Int** 1985 Apr;27(4):662-6

Prenatal diagnosis of congenital nephrosis. Rapola J. **Prog Clin Biol Res** 1985;163B:219-20

DRUG THERAPY

[Experimental nephrotic hyperlipidemia induced in rats by daunorubicin and effects of KCD-232[4-(4'-chlorobenzyloxy)benzyl nicotinate] on lipid metabolism] Okada K, et al. **Nippon Yakurigaku Zasshi** 1985 May;85(5):347-56 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Macrophages and cellular immunity in experimental nephrosis and glomerulonephritis. Schreiner GF. **Contrib Nephrol** 1985;45:115-22

METABOLISM

Reduced sialylation of podocalyxin--the major sialoprotein of the rat kidney glomerulus--in aminonucleoside nephrosis. Kerjaschki D, et al. **Am J Pathol** 1985 Mar; 118(3):343-9

Effects of experimental nephrosis on basement-membrane components and enzymes of collagen biosynthesis in rat kidney. Jukkola A, et al. **Biochem J** 1985 Feb 15; 226(1):243-50

Lipoprotein metabolism in experimental nephrosis. Marsh JB. **J Lipid Res** 1984 Dec 15;25(13):1619-23 (44 ref.)

Unaltered anionic sites of glomerular basement membrane in aminonucleoside nephrosis. Kanwar YS, et al. **Kidney Int** 1984 Apr;25(4):613-8

Localization and distribution of anionic charges in the glomerular mesangium of normal and nephrotic rats. Grond J, et al. **Virchows Arch [Cell Pathol]** 1985;48(2):135-43

PATHOLOGY

Perturbation of podocyte plasma membrane domains in experimental nephrosis. A lectin-binding and freeze-fracture study. Orci L, et al. **Am J Pathol** 1984 Nov; 117(2):286-97

PHYSIOPATHOLOGY

Heteroporous model of glomerular size selectivity: application to normal and nephrotic humans. Deen WM, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):F374-89

Increased glomerular thromboxane synthesis as a possible cause of proteinuria in experimental nephrosis. Remuzzi G, et al. **J Clin Invest** 1985 Jan;75(1):94-101

[Platelet aggregation in nephroses in children] Keddari M, et al. **Ann Pediatr (Paris)** 1985 Feb;32(2):101-7 (Eng. Abstr.) **(Fre)**

URINE

Urinary protein binding, kinetics, and dynamics of furosemide in nephrotic patients. Smith DE, et al. **J Pharm Sci** 1985 Jun;74(6):603-7

The effect of captopril on urinary protein excretion in puromycin aminonucleoside nephrosis in rats. Trachtman H, et al. **Pediatr Res** 1985 Aug;19(8):828-34

VETERINARY

Oxytetracycline-associated nephrotoxicosis in feedlot calves. Lairmore MD, et al. **J Am Vet Med Assoc** 1984 Oct 1; 185(7):793-5

Pathology of chronic aldrin intoxication in goats. Singh KK, et al. **Zentralbl Veterinarmed** [A] 1985 Jun;32(6):437-44

NEPHROSIS, LIPOID

CHEMICALLY INDUCED

Piroxicam-induced acute interstitial nephritis and minimal-change nephrotic syndrome [letter] Fellner SK. **Am J Nephrol** 1985;5(2):142-3

Steroids and Adriamycin nephrosis. Bertani T, et al. **Appl Pathol** 1984;2(1):32-8

COMPLICATIONS

Hepatitis A-induced remission of minimal change nephropathy. Kron MA, et al. **Arch Intern Med** 1984 Nov; 144(11):2279-80

Minimal lesion disease followed by membranous glomerulonephropathy in two children with nephrotic syndrome. Geary D, et al. **Clin Nephrol** 1985 May; 23(5):258-64

Tuberculosis and minimal change nephropathy. Jones JM. **Scott Med J** 1984 Apr;29(2):114-6

[Irreversible renal failure following minimal change nephrosis] Gekle D, et al. **Monatsschr Kinderheilkd** 1984 Sep;132(9):680-2 (Eng. Abstr.) **(Ger)**

[Cholelithiasis in a 17-year-old patient with lupus nephropathy] Kobierska-Szczepańska A, et al. **Wiad Lek** 1984 Jun 15;37(12):944-7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Minimal change glomerulonephritis, diffuse mesangioproliferative glomerulonephritis and focal and segmental glomerular sclerosis and hyalinosis] Belovezhdov N. **Vutr Boles** 1984;23(4):42-6 (Eng. Abstr.) **(Bul)**

DRUG THERAPY

Alterations of T cell subpopulations in childhood lipoid nephrosis and its relation to immunosuppressive treatment. Zhou X, et al. **Acta Acad Med Wuhan** 1984;4(4):213-5

[Evaluation of the effectiveness of bolus doses of prednisolone in steroid-resistant and steroid-dependent nephrotic syndrome in children] Kryński J, et al. **Pediatr Pol** 1985 Feb;60(2):163-8 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Impaired cellular immune responses in adult lipoid nephrosis patients [letter] Matsumoto K, et al. **Clin Nephrol** 1985 Jul; 24(1):51

Normal ConA induced suppressor cell function in minimal change nephrotic syndrome. Mirapeix E, et al. **Clin Nephrol** 1985 Mar;23(3):156-7

Autoantibodies in minimal change nephrotic syndrome. Tina LU, et al. **Int J Pediatr Nephrol** 1984 Jun;5(2):63-6

[The significance of predominant IgM deposition in glomerular diseases] Koshino Y, et al. **Nippon Jinzo Gakkai Shi** 1984 Oct;26(10):1293-300 (Eng. Abstr.) **(Jpn)**

[Immunosuppressive factors in sera from children with nephrotic syndrome. Their effects on B cell function] Nagai

NEWARK PUBLIC LIBRA

Y. **Nippon Jinzo Gakkai Shi** 1985 Jan;27(1):43-56 (Eng. Abstr.) **(Jpn)**

[Immunological analysis of the primary renal diseases and lupus nephritis] Osaki K, et al. **Nippon Jinzo Gakkai Shi** 1985 Jan;27(1):33-41 (Eng. Abstr.) **(Jpn)**

[Antibody-dependent cell-mediated cytotoxicity in primary glomerular diseases] Yamada H, et al. **Nippon Jinzo Gakkai Shi** 1985 Feb;27(2):157-63 (Eng. Abstr.) **(Jpn)**

METABOLISM

Renal sodium handling in minimal change nephrotic syndrome. Bohlin AB, et al. **Arch Dis Child** 1984 Sep;59(9):825-30

PATHOLOGY

Incidence of intraglomerular platelets in steroid sensitive nephrotic syndrome. Uttley JM, et al. **J Clin Pathol** 1985 Mar;38(3):259-64

Mesangium and glomerular disease. Kashgarian M. **Lab Invest** 1985 Jun;52(6):569-71 (37 ref.)

Long-term outcome for children with minimal-change nephrotic syndrome. Trompeter RS, et al. **Lancet** 1985 Feb 16;1(8425):368-70

Morphological transition in minimal change nephrotic syndrome. Tejani A. **Nephron** 1985;39(3):157-9

Mesangial IGM in minimal change glomerular disease: a clinicopathological study in a Malaysian population. Looi LM, et al. **Pathology** 1985 Jan;17(1):41-4

An ultrastructural study of the effect of the steroid in puromycin aminonucleoside nephrosis rats. Fujiwara Y. **Virchows Arch** [A] 1984;405(1):11-24

[Histopathological studies on the glomerular basement membrane and mesangium--problem of the peroxidase-antiperoxidase method] Ueda Y, et al. **Nippon Jinzo Gakkai Shi** 1985 Apr;27(4):393-408 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Clinical course and renal function in minimal change nephrotic syndrome. Bohlin AB. **Acta Paediatr Scand** 1984 Sep;73(5):631-6

Spontaneous remission of nephrotic syndrome in IgA glomerular disease. Wu G, et al. **Am J Kidney Dis** 1985 Aug;6(2):96-9

Role of renin angiotensin aldosterone on minimal change nephrotic syndrome. Kumagai H, et al. **Clin Nephrol** 1985 May;23(5):229-35

Impaired lymphocyte and suppressor cell function in minimal change nephropathy, membranous nephropathy and focal glomerulosclerosis. Taube D, et al. **Clin Nephrol** 1984 Oct;22(4):176-82

Edema formation in the nephrotic syndrome. Dorhout Mees EJ. **Contrib Nephrol** 1984;43:64-75 (26 ref.)

Foot process fusion and glomerular filtration rate in minimal change nephrotic syndrome. Bohman SO, et al. **Kidney Int** 1984 Apr;25(4):696-700

Inhibition of glomerular visceral epithelial cell endocytosis during nephrosis induced by puromycin aminonucleoside. Schwartz MM, et al. **Lab Invest** 1984 Dec;51(6):690-6

Permselectivity and proteinuria in 'minimal-lesion' nephrosis [letter] Wesson LG. **Renal Physiol** 1985;8(1):62-3

[Pregnancy in patients with minimal change nephrotic syndrome] Kosino Y, et al. **Nippon Jinzo Gakkai Shi** 1985 Apr;27(4):451-8 (Eng. Abstr.) **(Jpn)**

[Renal hemodynamics in aminonucleoside nephrosis in rats] Okamoto M. **Nippon Jinzo Gakkai Shi** 1984 Oct;26(10):1275-84 (Eng. Abstr.) **(Jpn)**

THERAPY

[Graded aerohyperthermia in the complex health resort treatment of patients with a nephrotic variant of chronic glomerulonephritis on the southern coast of Crimea] Potapenko VP. **Vrach Delo** 1985 May;(5):88-92 (Eng. Abstr.) **(Rus)**

URINE

[Comparative study of urine immunoelectrophoresis and 4 indexes of glomerular selectivity in chronic glomerulopathies] Cahen R, et al. **Pathol Biol (Paris)** 1985 Jan;33(1):23-6 (Eng. Abstr.) **(Fre)**

NEPHROTIC SYNDROME

Clinical course of lupus nephritis. Grünfeld JP, et al. **Contrib Nephrol** 1984;43:12-24 (28 ref.)

Nephrotic syndrome. Pathogenesis, clinical and therapeutic considerations. Mitas JA 2d. **Postgrad Med** 1984 Nov 1;76(6):88-93, 97

Nephrotic syndrome and pregnancy. Potential problems for mother and child. Rankin LI. **Postgrad Med** 1984 Nov 1;76(6):125-8, 133-4

BLOOD

Lipoprotein distribution and composition in the human nephrotic syndrome. Muls E, et al. **Atherosclerosis** 1985 Feb;54(2):225-37

Studies on vitamin D binding protein in the nephrotic syndrome. Colston K, et al. **Clin Chem** 1985 May;31(5):718-21

Decreased serum transferrin concentration in children with the nephrotic syndrome: effect on lymphocyte proliferation and correlation with serum immunoglobulin levels. Warshaw BL, et al. **Clin Immunol Immunopathol** 1984 Nov;33(2):210-9

Decreased biological activity of serum thymic hormone (thymulin) in children with nephrotic syndrome. Bensman A, et al. **Int J Pediatr Nephrol** 1984 Dec;5(4):201-4

Anion gap in nephrotic syndrome. Sheth KJ, et al. **Int J Pediatr Nephrol** 1984 Jun;5(2):89-92

The effect of altered prednisolone kinetics in patients with the nephrotic syndrome and in women taking oral contraceptive steroids on human mixed lymphocyte cultures. Frey BM, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):361-9

The metabolism of arachidonic acid by platelets in nephrotic syndrome. Schieppati A, et al. **Kidney Int** 1984 Apr;25(4):671-6

Reduced alpha-2-antiplasmin levels in the nephrotic syndrome. Francis RB Jr, et al. **Nephron** 1985;39(4):325-9

Plasma and blood volumes in patients with the nephrotic syndrome. Geers AB, et al. **Nephron** 1984;38(3):170-3

Abnormalities of contact factors in nephrotic syndrome. Kinoshita T, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Feb;48(1):228-35

Effect of supernatants from nephrotic peripheral blood mononuclear cells on 35sulfate incorporation in rat glomerular basement membrane. Garin EH, et al. **Pediatr Res** 1985 Aug;19(8):836-40

Bone modulating factors in nephrotic children with normal glomerular filtration rate. Freundlich M, et al. **Pediatrics** 1985 Aug;76(2):280-5

Low plasma pyridoxal-5'-phosphate levels in children with the nephrotic syndrome. van Buuren AJ, et al. **S Afr Med J** 1985 Mar 2;67(9):329-32

High levels of plasma protein C in nephrotic syndrome. Pabinger-Fasching I, et al. **Thromb Haemost** 1985 Feb 18;53(1):5-7

Protein C activity in renal disease. Sørensen PJ, et al. **Thromb Res** 1985 May 1;38(3):243-9

Nephrotic syndrome: a platelet hyperaggregability state. Rasedee A, et al. **Vet Res Commun** 1985 Jul;9(3):199-211 (70 ref.)

[A study on antithrombin III in nephrotics] Chen WY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Apr;84(4):448-56 (Eng. Abstr.) **(Chi)**

[Antithrombin III deficiency in the nephrotic syndrome. Threatened thrombosis treated with fresh plasma] Frifelt JJ, et al. **Ugeskr Laeger** 1984 Jul 9;146(28):2092-3 (Eng. Abstr.) **(Dan)**

[Lipid and lipoprotein studies in nephrotic syndrome cases in childhood] László A, et al. **Kinderarztl Prax** 1985 Apr;53(4):199-203 (Eng. Abstr.) **(Ger)**

[Behavior of the concentration of triiodothyronine, thyroxine, thyrotropin and thyroxine-binding globulin in the serum of children with nephrotic syndrome] Liappis N, et al. **Klin Padiatr** 1985 Jan-Feb;197(1):35-9 (Eng. Abstr.) **(Ger)**

[Blood Na and K concentrations in the erythrocytes of children with nephrotic syndrome, uremia and pyelonephritis] Toldi Z, et al. **Orv Hetil** 1984 Aug 19;125(34):2053-6 (Eng. Abstr.) **(Hun)**

[Abnormal coagulation and fibrinolytic activities in glomerulonephritis and nephrotic syndrome] Nakagawa M, et al. **Nippon Rinsho** 1984 Jun;42(6):1386-92 **(Jpn)**

[Main aspects of studying lipid metabolism in clinical nephrology] Pyrig LA, et al. **Ter Arkh** 1984;56(7):28-31 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Quantitative indexes of aminonucleoside-induced nephrotic syndrome. Nevins TE, et al. **Am J Pathol** 1984 Oct;117(1):30-6

Steroids and Adriamycin nephrosis. Bertani T, et al. **Appl Pathol** 1984;2(1):32-8

Steroid-dependent nephrotic syndrome in lupus nephritis. Response to chlorambucil. Abuelo JG, et al. **Arch Intern Med** 1984 Dec;144(12):2411-2

Nephrotic syndrome induced by tiopronin: association with the HLA-DR3 antigen [letter] Salvarani C, et al. **Arthritis Rheum** 1985 May;28(5):595-6

Nephrotic syndrome during treatment with interferon. Selby P, et al. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1180

Nephrotic syndrome and renal failure secondary to lithium carbonate therapy [letter] Bear RA, et al. **Can Med Assoc J** 1985 Apr 1;132(7):735-7

Nephrotic syndrome with reversible severe renal failure after gold therapy. Blum M, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Oct;22(10):562-4

Dose-related nephrotic syndrome in penicillamine-treated rheumatoid arthritis. Spiera H. **Mt Sinai J Med (NY)** 1984 Dec;51(6):695-6

Unilateral membranous glomerulopathy during captopril treatment. Smit AJ, et al. **Neth J Med** 1985;28(1):23-7

The effect of protamine on serum complement activity in aminonucleoside nephropathy. Fukuda K, et al. **Tohoku J Exp Med** 1984 Jul;143(3):315-8

[Nephrotic syndrome associated with lithium therapy (letter)] Rodriguez Jornet A, et al. **Med Clin (Barc)** 1985 Jun 15;85(3):125 **(Spa)**

CLASSIFICATION

[Definition and classification of nephrotic syndrome] Kikuchi M, et al. **Nippon Rinsho** 1984 Jun;42(6):1346-51 **(Jpn)**

COMPLICATIONS

Nephrotic syndrome and hairy cell leukaemia [letter] Schofield KP, et al. **Br J Haematol** 1985 Jun;60(2):389-90

Triad of nephrotic syndrome, antinuclear antibodies and positive lupus band test [letter] Soppi E, et al. **Clin Exp Rheumatol** 1984 Oct-Dec;2(4):355-7

Urokinase treatment of pulmonary artery thrombosis complicating the pediatric nephrotic syndrome. Beaufils F, et al. **Crit Care Med** 1985 Feb;13(2):132-4

A case of cystinuria with nephrotic syndrome. Wada K, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):151-5

Biochemical vitamin B6 deficiency in adults with chronic glomerulonephritides with and without the nephrotic syndrome. Labadarios D, et al. **Int J Vitam Nutr Res** 1984;54(4):313-9

Renal vein thrombosis with involvement of the vena cava: report of a case. Sciacca V, et al. **Ital J Surg Sci** 1985;15(1):79-83

Renal glycosuria in patients with the nephrotic syndrome. Reubi FC, et al. **Klin Wochenschr** 1984 Jul 2;62(13):621-30

The hyperlipidemia of the nephrotic syndrome. Relation to plasma albumin concentration, oncotic pressure, and viscosity. Appel GB, et al. **N Engl J Med** 1985 Jun 13;312(24):1544-8

Recurrence of IgA nephropathy with nephrotic syndrome in renal allograft. Pettersson E, et al. **Nephron** 1985;41(1):114-7

Nephrotic syndrome associated with hyper-high-density lipoproteinemia potentiated by prednisolone therapy. Sasaki J, et al. **Nephron** 1985;41(1):110-3

Fluid and electrolyte abnormalities in nephrotic syndrome. Pathogenesis and management. Kaufman CE. **Postgrad Med** 1984 Nov 1;76(6):135-9, 142-3

Thromboembolic complications in nephrotic syndrome. Coagulation abnormalities, renal vein thrombosis, and other conditions. Llach F. **Postgrad Med** 1984 Nov 1;76(6):111-4, 116-8, 121-3

Reversibility of acute renal failure in elderly patients with the nephrotic syndrome. Searle M, et al. **Postgrad Med J** 1985 Aug;61(718):741-4

A case of Behçet's disease associated with membranous nephropathy. Miura M, et al. **Tokai J Exp Clin Med** 1984 Aug;9(3):231-5

Wilms tumor and nephrotic syndrome in male pseudohermaphroditism. Koyanagi T, et al. **Urology** 1984 Dec;24(6):595-600

[Association of early-onset nephrotic syndrome and microcephaly. Apropos of 4 cases in 2 families] Gaudelus J, et al. **Arch Fr Pediatr** 1984 Jun-Jul;41(6):409-15 (Eng. Abstr.) **(Fre)**

[Biventricular thrombosis in nephrotic syndrome with hypercoagulability and hypereosinophilia] Danchin N, et al. **Arch Mal Coeur** 1985 Feb;78(2):271-4 (Eng. Abstr.) **(Fre)**

[Glomerular diseases associated with malignant tumors] Nishi T, et al. **Nippon Rinsho** 1984 Jun;42(6):1440-5 **(Jpn)**

[Case of massive hemorrhage into the right pleural cavity caused by catheterization of the subclavian vein in a patient with hemorrhagic fever with nephrotic syndrome] Figurnov VA, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):53-4 **(Rus)**

[Pneumococcal peritonitis in the nephrotic syndrome (letter)] Galicia Basart MA, et al. **Med Clin (Barc)** 1985 Feb 9;84(5):207 **(Spa)**

CONGENITAL

Congenital nephrotic syndrome (Finnish type). Fujinami M, et al. **Acta Pathol Jpn** 1985 Mar;35(2):517-25

A case of congenital nephrotic syndrome associated with partial deficiency of lecithin cholesterol acyltransferase (LCAT) and hypothyroidism. Hiramatsu M, et al. **Int J Pediatr Nephrol** 1984 Sep;5(3):183-6

Congenital nephrotic syndrome [letter] Bensman A, et al. **J Pediatr** 1985 Jul;107(1):157-8

Electron microscopic studies in a long-term follow-up of a case of congenital nephrotic syndrome. Davin JC, et al. **Nephron** 1985;39(1):59-60

Prenatal detection of the congenital nephrotic syndrome (Finnish type) by trehalase assay in amniotic fluid. Morin PR, et al. **Prenat Diagn** 1984 Jul-Aug;4(4):257-60

DIAGNOSIS

Mesangial IgA deposits with steroid responsive nephrotic syndrome: probable minimal lesion nephrosis. Sinnassamy P, et al. **Am J Kidney Dis** 1985 May;5(5):267-9

Selectivity of proteinuria as a diagnostic tool in nephrotic syndrome. Petrolwala MJ, et al. **J Assoc Physicians India** 1984 Aug;32(8):717-8

[Idiopathic nephrotic syndrome] Belovezhdov N. **Vutr Boles** 1984;23(4):14-21 (169 ref.) **(Bul)**

[Minimal change glomerulonephritis, diffuse mesangioproliferative glomerulonephritis and focal and segmental glomerular sclerosis and hyalinosis] Belovezhdov N. **Vutr Boles** 1984;23(4):42-6 (Eng. Abstr.) **(Bul)**

[Hemorrhagic fever with nephrotic syndrome] Sirotin BZ.

Klin Med (Mosk) 1985 Jun;63(6):34–41 **(Rus)**

[Congenital cytomegalic infection manifesting itself as a severe nephrotic syndrome simulating microcystosis of the kidneys (nephrotic syndrome of the Finnish type)] Moiseenko SP, et al. **Pediatriia** 1985 Mar;(3):68–9 **(Rus)**

[Nephritis masking systemic diseases] Tareeva IE, et al. **Ter Arkh** 1984;56(7):16–9 **(Rus)**

DRUG THERAPY

Pulse methylprednisolone therapy in severe idiopathic childhood nephrotic syndrome. Murnaghan K, et al. **Acta Paediatr Scand** 1984 Nov;73(6):733–9

Treatment of idiopathic nephrotic syndrome with levamisole. Niaudet P, et al. **Acta Paediatr Scand** 1984 Sep;73(5):637–41

Response to cyclophosphamide in steroid-resistant focal segmental glomerulosclerosis: a reappraisal. Geary DF, et al. **Clin Nephrol** 1984 Sep;22(3):109–13

Increased frequency of steroid non-responsive nephrotic syndrome in Iranian children. Saberi MS, et al. **Indian J Pediatr** 1985 Jan–Feb;52(414):67–71

Nitrogen mustard therapy in idiopathic nephrotic syndrome of childhood. Broyer M, et al. **Int J Pediatr Nephrol** 1985 Jan–Mar;6(1):29–34

Childhood nephrotic syndrome in Northern Nigeria: management and follow-up of 40 patients. Babaoye FA, et al. **J Trop Pediatr** 1985 Apr;31(2):71–3

Treatment of severe nephrotic syndrome with meclofenamate: an uncontrolled pilot study. Velosa JA, et al. **Mayo Clin Proc** 1985 Sep;60(9):586–92

Treatment of severe nephrotic edema with albumin and furosemide. Weiss RA, et al. **NY State J Med** 1984 Aug; 84(8):384–6

Steroid responsive nephrotic syndrome in a diabetic patient [letter] Reddy J, et al. **NZ Med J** 1985 Feb 13;98(772):76–7

Adult-onset nephrotic syndrome with minimal changes: response to corticosteroids and cyclophosphamide. Nolasco F, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:588–93

Clinico-pathological study on the nephrotic syndrome in Jamaican children. Swaby ED, et al. **West Indian Med J** 1984 Jun;33(2):97–105

Muzolimine vs. furosemide in nephrotic syndrome: further support of different carrier(s) operating for enteral absorption. Bazzato G, et al. **Z Kardiol** 1985;74 Suppl 2:92–5

Effects of muzolimine and of a combination of hydrochlorothiazide/triamterene in healthy subjects and in nephrotic patients. Riechers G, et al. **Z Kardiol** 1985;74 Suppl 2:103–8

[Effect of Tripterygium wilfordii on the remission of proteinuria in patients with nephrotic syndrome] Chen SY. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Mar;5(3):164–6, 132 (Eng. Abstr.) **(Chi)**

[Clinical analysis of 10 refractory cases of idiopathic nephrotic syndrome in children treated with combined traditional Chinese medicine and western medicine] Zhao Z. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Oct;4(10):607–9, 580 (Eng. Abstr.) **(Chi)**

[Clinical analysis of 229 cases of nephrotic syndrome treated with combined traditional Chinese and western medicine] Zhu BJ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 May; 4(5):280–2 **(Chi)**

[Clinical features and long-term immunosuppressant therapy of the SLE patients with nephrotic syndrome] Hashimoto H, et al. **Nippon Naika Gakkai Zasshi** 1984 May; 73(5):606–13 **(Jpn)**

[Clinical application of diuretics: congestive heart failure and nephrotic syndrome] Hirata Y, et al. **Nippon Rinsho** 1984 Sep;42(9):2046–50 (22 ref.) **(Jpn)**

[Efficacy and problems of the pulse therapy and alternate-day schedule] Miyawaki S, et al. **Nippon Rinsho** 1984 Nov;42(11):2509–15 (32 ref.) **(Jpn)**

[Evaluation of the effectiveness of bolus doses of prednisolone in steroid-resistant and steroid-dependent nephrotic syndrome in children] Kryński J, et al. **Pediatr Pol** 1985 Feb;60(2):163–8 (Eng. Abstr.) **(Pol)**

[Primary corticosteroid-resistant nephrotic syndrome in pediatrics] Tuya CO, et al. **Medicina (B Aires)** 1984; 44(1):1–7 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Post-heparin hepatic and lipoprotein lipase activities in nephrotic syndrome. Chan MK, et al. **Aust NZ J Med** 1984 Dec;14(6):841–7

Increased cathepsin D-like activity in cortex, tubules, and glomeruli isolated from rats with experimental nephrotic syndrome. Baricos WH, et al. **Biochem J** 1984 Oct 15; 223(2):393–9

ETIOLOGY

Nephrotic syndrome in two patients with cured Hodgkin's disease. Shapiro CM, et al. **Cancer** 1985 Apr 15; 55(8):1799–804

The nephrotic syndrome in Uganda and its association with quartan malaria. **Cent Afr J Med** 1968 May;14(5):105–6

Role of schistosomiasis in the pathogenesis of glomerular disease in Zimbabweans. Seggie J. **Cent Afr J Med** 1984 Aug;30(8):141–3

Syphilitic nephropathy in a 10-year-old boy? Loghman-Adham M, et al. **Hosp Pract [Off]** 1984 Dec; 19(12):84JJ, 84NN

Clinical and serological diagnosis of Nephropathia epidemica, the mild type of haemorrhagic fever with renal syndrome. Lähdevirta J, et al. **J Infect** 1984 Nov;9(3):230–8

Nephrotic syndrome following a bee sting. Sensirivatana R, et al. **J Med Assoc Thai** 1984 Sep;67(9):525–8

Pathogenesis of 'nephrotic crisis' in children. Yoshimoto M. **Kurume Med J** 1984;31(2):157–65

Idiopathic nephrotic syndrome, treated with steroids for five years, found to be allergic reaction to pork [letter] Howanietz H, et al. **Lancet** 1985 Aug 24;2(8452):450

Recurrent nephropathy associated with heroin use. Wasser WG, et al. **Mt Sinai J Med (NY)** 1985 May;52(5):375–7

Renal lesions in sickle cell nephropathy in children. Tejani A, et al. **Nephron** 1985;39(4):352–5

Nephrotic syndrome associated with varicella infection. Lin CY, et al. **Pediatrics** 1985 Jun;75(6):1127–31

Nephrotic syndrome and neoplasm. The findings to date, with practical implications. Papper S. **Postgrad Med** 1984 Nov 1;76(6):147–8, 153–8

Allograft rejection and the nephrotic syndrome. Waltzer WC, et al. **Transplant Proc** 1985 Apr;17(2):1763–7

Radiation nephritis and nephrotic syndrome [letter] Chauser BM. **Urology** 1984 Oct;24(4):419

Nephrotic syndrome associated with degenerating uterine leiomyoma [letter] Freistadt H, et al. **West J Med** 1984 Sep;141(3):381–2

[The kidney and toxoplasmosis] Couvreur J, et al. **Ann Pediatr (Paris)** 1984 Nov;31(10):847–52 (Eng. Abstr.) **(Fre)**

[Lupoid nephrotic syndrome. Apropos of 2 cases] Triki A, et al. **Tunis Med** 1983 Nov–Dec;61(6):405–8 (Eng. Abstr.) **(Fre)**

[Glomerulonephritis associated with nephrotic syndrome in Staphylococcus albus infection in a patient with a Spitz-Holter shunt (letter)] Wessely W, et al. **Dtsch Med Wochenschr** 1985 Aug 23;110(34):1310–1 **(Ger)**

[Nephrotic syndrome] Brass H, et al. **Lebensversicherungsmedizin** 1985 May 1;37(3):58, 60, 62–3 (Eng. Abstr.) **(Ger)**

[Experimental glomerulonephritis and nephrotic syndrome] Naruse T, et al. **Nippon Rinsho** 1984 Jun;42(6):1400–5 **(Jpn)**

[Nephrotic syndrome in epidemic nephropathy] Hunderi OH. **Tidsskr Nor Laegeforen** 1984 Sep 20;104(26):1816–7 (Eng. Abstr.) **(Nor)**

[Rate of progression of intracapillary chronic glomerulonephritis depending on the clinico-morphological type of the disease] Ratner MIa, et al. **Ter Arkh** 1984;56(7):11–5 (Eng. Abstr.) **(Rus)**

[Chronic segmental and focal glomerulonephritis with hyalinosis and focal and global glomerulosclerosis] Rodriquez E, et al. **Rev Chil Pediatr** 1984 May–Jun; 55(3):179–84 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Nephrotic syndrome in siblings. Arya LS, et al. **Indian J Pediatr** 1984 Mar–Apr;51(409):255–7

[Genetic heterogeneity and pathology of congenital nephrotic syndrome and its significance in prenatal diagnosis] Braga S, et al. **J Genet Hum** 1985 Jun;33(2):153–6 (Eng. Abstr.) **(Fre)**

[The familial nephrotic syndrome] Israfilova NM, et al. **Pediatriia** 1984 Aug;(8):39 **(Rus)**

IMMUNOLOGY

Typing of HLA antigens in a child population with nephrosis syndrome. László A, et al. **Acta Paediatr Hung** 1984; 25(3):241–5

Effect and follow-up study on varicella vaccine. Katsushima N, et al. **Biken J** 1984 Sep;27(2–3):51–8

Clinical observations on varicella-zoster vaccinees treated with immunosuppressants for a malignancy. Nunoue T. **Biken J** 1984 Sep;27(2–3):115–8

Live varicella vaccine: prevention of nosocomial infection and protection of high risk infants from varicella infection. Sugino H, et al. **Biken J** 1984 Sep;27(2–3):63–5

IgG subclass composition of monomeric and polymeric IgG in the serum of patients with nephrotic syndrome. Aro M, et al. **Clin Nephrol** 1984 Nov;22(5):244–52

In vivo localization of C3 on the brush border of proximal tubules of kidneys from nephrotic patients. Camussi G, et al. **Clin Nephrol** 1985 Mar;23(3):134–41

Immunofluorescence microscopy in glomerulopathy. Mehta K, et al. **Indian Pediatr** 1984 Sep;21(9):701–5

Identification of the lymphokine soluble immune response suppressor in urine of nephrotic children. Schnaper HW, et al. **J Clin Invest** 1985 Jul;76(1):341–9

[Nephrotic syndrome caused by glomerulonephritis in children with a positive finding of HBsAg in the serum] Janda J, et al. **Cesk Pediatr** 1984 Jul;39(7):376–9 (Eng. Abstr.) **(Cze)**

[Immunologic reactivity of children with idiopathic nephrotic syndrome] Liška J, et al. **Cesk Pediatr** 1985 Aug; 40(8):453–7 (Eng. Abstr.) **(Cze)**

[Idiopathic nephrotic syndrome and the HLA allele. Prevalence of age-related DR7] Laurent J, et al. **Rev Med Interne** 1985 Mar;6(2):116–20 (Eng. Abstr.) **(Fre)**

[A case of nephrotic syndrome with IgE antibodies to many allergens, treated successfully with Tranilast] Umegae Y, et al. **Arerugi** 1984 Aug;33(8):433–9 (Eng. Abstr.) **(Jpn)**

[A histological study of idiopathic nephrotic syndrome--localization of IgM in the glomeruli] Akano N, et al. **Nippon Jinzo Gakkai Shi** 1985 Feb;27(2):235–42 (Eng. Abstr.) **(Jpn)**

[Study of T cell subsets in various forms of renal disease in childhood] Shimakura Y. **Nippon Jinzo Gakkai Shi** 1985 Feb;27(2):195–207 (Eng. Abstr.) **(Jpn)**

[Immunological studies on glomerulonephritis and nephrotic syndrome] Wada H, et al. **Nippon Rinsho** 1984 Jun; 42(6):1378–85 **(Jpn)**

[Allergic reactions in the nephrotic syndrome in children] Ignatova MS, et al. **Sov Med** 1984;(11):21–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Plasma concentrations of fibrinopeptide A and fibrinopeptide B beta 15–42 in glomerulonephritis and the nephrotic syndrome. Tomura S, et al. **Arch Intern Med** 1985 Jun; 145(6):1033–5

Elevated serum and urine sialic acid levels in renal diseases of childhood. Asami T, et al. **Clin Nephrol** 1985 Mar; 23(3):112–9

Renal water handling in minimal change nephrotic syndrome. Bohlin AB, et al. **Int J Pediatr Nephrol** 1984 Jun;5(2):93–8

Steroid-responsive nephrotic syndrome: a generalised disorder of membrane negative charge. Levin M, et al. **Lancet** 1985 Aug 3;2(8449):239–42

Lowered protein content of tissue fluid in patients with the nephrotic syndrome: observations during disease and recovery. Koomans HA, et al. **Nephron** 1985;40(4):391–5

Albumin infused in nephrotics: where does it go? Koomans HA, et al. **Neth J Med** 1985;28(4):148–52

[Urea binding by serum proteins under normal conditions, in chronic renal failure and in the nephrotic syndrome] Kozhevnikov AD, et al. **Ter Arkh** 1984;56(7):44–7 (Eng. Abstr.) **(Rus)**

MORTALITY

[Prognosis of glomerulonephritis and nephrotic syndrome] Furukawa T. **Nippon Rinsho** 1984 Jun;42(6):1393–9 **(Jpn)**

OCCURRENCE

[Nephrotic syndrome in the aged--with special reference to primary nephrotic syndrome] Ishikawa H, et al. **Nippon Rinsho** 1984 Jun;42(6):1370–7 **(Jpn)**

PATHOLOGY

Association of IgA nephropathy with steroid-responsive nephrotic syndrome. A report of the Southwest Pediatric Nephrology Study Group. **Am J Kidney Dis** 1985 Mar; 5(3):157–64

Spontaneous nephrotic syndrome in a genetic rat model. Abramowsky CR, et al. **Am J Pathol** 1984 Dec;117(3):400–8

Evolution of membranous nephropathy from a proliferative and exudative glomerulonephritis--a report of three cases studied by serial biopsies. Kapur S, et al. **Int J Pediatr Nephrol** 1985 Apr–Jun;6(2):105–10

Diffuse mesangial sclerosis--light, immunofluorescent and electronmicroscopy findings. Urbach J, et al. **Int J Pediatr Nephrol** 1985 Apr–Jun;6(2):101–4

Necrotizing vascular lesions in spontaneously hypertensive rats with nephrotic syndrome: hypercoagulability as a contributory factor. Okuda S, et al. **J Lab Clin Med** 1984 Nov;104(5):767–77

Focal segmental glomerulosclerosis in children with idiopathic nephrotic syndrome. A report of the Southwest Pediatric Nephrology Study Group. **Kidney Int** 1985 Feb; 27(2):442–9

Scanning electron microscopy of acellular glomeruli in nephrotic syndrome. Bonsib SM. **Kidney Int** 1985 Apr; 27(4):678–84

Pathology of fetal congenital nephrosis: immunohistochemical and ultrastructural studies. Rapola J, et al. **Kidney Int** 1984 Apr;25(4):701–7

A clinicopathologic study of forty-eight infants with nephrotic syndrome. Sibley RK, et al. **Kidney Int** 1985 Mar; 27(3):544–52

Interstitial foam cells in the nephrotic syndrome belong to the monocyte/macrophage lineage. Nolasco F, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:666–71

Nephrotic syndrome in Zaire. Morphological and aetiological aspects. Pakasa M, et al. **Tropenmed Parasitol** 1984 Sep; 35(3):193–5

[A case of nail-patella syndrome presenting a steroid-resistant nephrotic syndrome--in reference to clinical and morphologic study] Isoda K, et al. **Nippon Jinzo Gakkai Shi** 1985 Apr;27(4):409–17 (Eng. Abstr.) **(Jpn)**

[Autopsy case of severe chyloperitoneum associated with nephrotic syndrome due to membranous glomerulopathy] Yamaguchi K, et al. **Nippon Rinsho** 1984 Sep;42(9):2139–44 **(Jpn)**

[Clinico-morphological analysis of congenital nephrotic syndrome] Bittner K, et al. **Pediatr Pol** 1985 Feb; 60(2):153–62 (Eng. Abstr.) **(Pol)**

EWARK PUBLIC LIBR

PHYSIOPATHOLOGY

Regulation of plasma lipid levels by plasma viscosity in nephrotic rats. Yedgar S, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E10–4

Effects of vasoactive drugs on the natriuresis of nephrotic rats. Okay Y, et al. **Braz J Med Biol Res** 1984;17(1):93–9

Edema formation in the nephrotic syndrome. Dorhout Mees EJ. **Contrib Nephrol** 1984;43:64–75 (26 ref.)

Bactericidal activity of ascitic fluid in patients with nephrotic syndrome. Akalin HE, et al. **Eur J Clin Invest** 1985 Jun;15(3):138–40

Defective renal water excretion in nephrotic syndrome: the relationship between renal water excretion and kidney function, arginine vasopressin, angiotensin II and aldosterone in plasma before and after oral water loading. Pedersen EB, et al. **Eur J Clin Invest** 1985 Feb;15(1):24–9

Functional relationships in the nephrotic syndrome. Geers AB, et al. **Kidney Int** 1984 Sep;26(3):324–30

Hypogonadotropic hypogonadism in nephrotic rats: increased sensitivity to negative feedback effects of testosterone. Glass AR, et al. **Metabolism** 1985 Jun;34(6):574–9

Sodium retention in nephrotic syndrome is due to an intrarenal defect: evidence from steroid-induced remission. Brown EA, et al. **Nephron** 1985;39(4):290–5

Interstitial fluid volume, plasma volume and colloid osmotic pressure in patients with nephrotic syndrome. Fauchald P, et al. **Scand J Clin Lab Invest** 1984 Nov;44(7):661–7

[Pregnancy in women with nephrotic syndrome in chronic glomerulonephritis] Wielgosz A, et al. **Pol Tyg Lek** 1984 Oct 1–8;39(40–41):1309–11 (Eng. Abstr.) **(Pol)**

[Circulating blood volume and plasma renin activity in the nephrotic syndrome. Effect of prednisolone therapy] Klepikov PV, et al. **Ter Arkh** 1984;56(7):41–4 (Eng. Abstr.) **(Rus)**

SURGERY

Congenital nephrotic syndrome: evolution of medical management and results of renal transplantation. Mahan JD, et al. **J Pediatr** 1984 Oct;105(4):549–57

THERAPY

Effect of traditional Chinese medicine 'zi yin jiang huo' and 'wen bu shen yang' on adrenocortical function in children with nephrotic syndrome receiving long-term large dosage glucocorticosteroid. Cai DP, et al. **Acta Acad Med Wuhan** 1984;4(4):231–5

An evaluation of ultrafiltration as treatment of diuretic-resistant oedema in nephrotic syndrome. Fauchald P, et al. **Acta Med Scand** 1985;217(1):127–31

Therapeutic percutaneous renal artery occlusion with a detachable balloon. Abrass CK, et al. **Am J Nephrol** 1984;4(5):317–21

Spontaneous remissions in frequently relapsing and steroid dependent idiopathic nephrotic syndrome. Wingen AM, et al. **Clin Nephrol** 1985 Jan;23(1):35–40

[Glomerulopathy and pregnancy] Gofman L, et al. **Orv Hetil** 1985 Apr 21;126(16):963–6 (Eng. Abstr.) **(Hun)**

[Therapeutic renal embolization in a case of nephrotic syndrome with severe proteinuria (medical nephrectomy)] Comelli S, et al. **Radiol Med (Torino)** 1984 May;70(5):329–31 **(Ita)**

[Progress in the treatment of nephrotic syndrome] Nakamoto Y, et al. **Nippon Rinsho** 1984 Jun;42(6):1352–62 **(Jpn)**

[Nephrotic syndrome in children] Uchiyama M. **Nippon Rinsho** 1984 Jun;42(6):1363–9 **(Jpn)**

URINE

Abnormal renal sodium excretion in the nephrotic syndrome after furosemide: relation to glomerular filtration rate. Danielsen H, et al. **Acta Med Scand** 1985;217(5):513–8

Concentric lamellar spheres in urine from a female carrier of and patients with Fabry's disease––with special reference to polarization and electron microscopic comparison with nephrotic syndrome. Nagao S, et al. **J Dermatol (Tokyo)** 1985 Feb;12(1):70–8

A case of nephrotic syndrome with urinary excretion of lipoproteins. Sasaki J, et al. **Jpn J Med** 1984 Aug;23(3):242–5

Selective urinary excretion of phosphatidyl ethanolamine in patients with chronic glomerular diseases. Mimura K, et al. **Metabolism** 1984 Oct;33(10):882–90

Urinary kallikrein excretion in glomerulonephritis and nephrotic syndrome. Cumming AD, et al. **Nephron** 1985;39(3):206–10

VETERINARY

Idiopathic immune complex glomerulonephritis in dogs with multisystem involvement. Jeraj KP, et al. **Am J Vet Res** 1984 Sep;45(9):1699–705

Hypoalbuminemia-related platelet hypersensitivity in two dogs with nephrotic syndrome. Green RA, et al. **J Am Vet Med Assoc** 1985 Mar 1;186(5):485–8

Nephrotic syndrome associated with renal amyloidosis in a colony of Syrian hamsters. Murphy JC, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1359–62

Light and electron microscopic observations on bovine amyloid-laden kidneys. Kim DH, et al. **Nippon Juigaku Zasshi** 1984 Oct;46(5):633–9

Some unusual features of mesangioproliferative glomerulonephritis in horses. Sabnis SG, et al. **Vet Pathol** 1984 Nov;21(6):574–81

NEPHROTIC SYNDROME, MINIMAL CHANGE see **NEPHROSIS, LIPOID**

NEPTUNIUM

ANALYSIS

An estimate of 237Np production during atmospheric testing. Efurd DW, et al. **Health Phys** 1984 Nov;47(5):786–7

METABOLISM

The absorption of ingested neptunium, plutonium and americium in newborn hamsters. David AJ, et al. **Int J Radiat Biol** 1984 Sep;46(3):279–86

The effect of concentration and chemical form on the gastrointestinal absorption of neptunium. Harrison JD, et al. **Int J Radiat Biol** 1984 Sep;46(3):269–77

Long term retention of 237Np in rats. Wirth R, et al. **Int J Radiat Biol** 1984 Dec;46(6):787–92

Effects of fasting and/or oxidizing and reducing agents on absorption of neptunium from the gastrointestinal tract of mice and adult or neonatal rats. Sullivan MF, et al. **Radiat Res** 1984 Dec;100(3):519–26

[Mechanism of distribution of neptunium and plutonium in rats] Zhuravleva AK. **Radiobiologiia** 1984 Sep–Oct;24(5):679–82 (Eng. Abstr.) **(Rus)**

NEQUINATE see under **QUINOLINES**

NERVE BLOCK

Penile dorsal nerve block for penile surgery. Van Zundert A. **Acta Anaesthesiol Belg** 1985 Mar;36(1):41–6

A new method for measuring motor block in the lower extremities. Axelsson K, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):72–8

A comparison of bupivacaine and tetracaine in spinal anaesthesia with special reference to motor block. Axelsson K, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):79–86

The duration of pain relief after penile block to boys undergoing circumcision. Carlsson P, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):432–4

Factors influencing the respiratory capacity after upper abdominal surgery. Engberg G. **Acta Anaesthesiol Scand** 1985 May;29(4):434–45

Respiratory performance after upper abdominal surgery. A comparison of pain relief with intercostal blocks and centrally acting analgesics. Engberg G. **Acta Anaesthesiol Scand** 1985 May;29(4):427–33

Effects of prenalterol and volume loading with dextran on haemodynamics and oxygen consumption in dogs during high epidural block with special reference to the splanchnic region. Greitz T, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):37–44

Effects of adjuvants to local anaesthetics on their duration. III. Experimental studies of hyaluronic acid. Hassan HG, et al. **Acta Anaesthesiol Scand** 1985 May;29(4):384–8

Effects of adjuvants to local anaesthetics on their duration. I. Studies of dextrans of widely varying molecular weight and adrenaline in rat infraorbital nerve block. Hassan HG, et al. **Acta Anaesthesiol Scand** 1985 May;29(4):375–9

Effects of adjuvants to local anaesthetics on their duration. II. Studies of some substituted dextrans and other macromolecules in rat infraorbital nerve block. Hassan HG, et al. **Acta Anaesthesiol Scand** 1985 May;29(4):380–3

Comparison of intramuscular analgesia, intercostal block, epidural morphine and on-demand-i.v.-fentanyl in the control of pain after upper abdominal surgery. Rosenberg PH, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):603–7

Caudal or dorsal nerve block? A comparison of two local anaesthetic techniques for postoperative analgesia following day case circumcision. Vater M, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):175–9

A complication of circumcision and dorsal nerve block of the penis. Sara CA, et al. **Anaesth Intensive Care** 1985 Feb;13(1):79–82

Analgesia following femoral neck surgery. Lateral cutaneous nerve block as an alternative to narcotics in the elderly. Jones SF, et al. **Anaesthesia** 1985 Jul;40(7):682–5

Acid and alkaline solutions of local anesthetics: duration of nerve block and tissue pH. Buckley FP, et al. **Anesth Analg** 1985 May;64(5):477–82

Differential effect of nerve fiber structure on block by local anesthetic. Fink BR, et al. **Anesthesiology** 1985 Aug;63(2):157–60

In support of diffusion barriers about nerve [letter] Gissen AJ. **Anesthesiology** 1985 Jul;63(1):114–6

Does hyperkalemia contraindicate the use of bupivacaine or the use of succinylcholine to treat bupivacaine-induced toxicity in humans? Moore DC, et al. **Anesthesiology** 1985 Feb;62(2):195–7

Neurotoxicity of intrathecal local anesthetics in rabbits. Ready LB, et al. **Anesthesiology** 1985 Oct;63(4):364–70

Postoperative pain relief for circumcision in children: comparison among morphine, nerve block, and topical analgesia. Tree-Trakarn T, et al. **Anesthesiology** 1985 Apr;62(4):519–22

Phenol nerve blocks [letter] Ackerman WE. **Arch Phys Med Rehabil** 1985 May;66(5):337

Differential nerve blocking activity of amino-ester local anaesthetics. Wildsmith JA, et al. **Br J Anaesth** 1985 Jun;57(6):612–20

Treatment of detrusor instability of the urinary bladder by selective sacral blockade. Alloussi S, et al. **Br J Urol** 1984 Oct;56(5):464–7

Cranial nerve block after test dose through an epidural catheter in a pre-eclamptic parturient. Fine PG, et al. **Can Anaesth Soc J** 1984 Sep;31(5):565–7

Dorsal nerve blockade for pain relief after circumcision. Murphy DF, et al. **Ir J Med Sci** 1984 Aug;153(8):282–3

Nuclear imaging as a screening test for patients referred for intraarticular facet block. Raymond J, et al. **J Can Assoc Radiol** 1984 Sep;35(3):291–2

Behavioral effects of circumcision with and without anesthesia. Dixon S, et al. **J Dev Behav Pediatr** 1984 Oct;5(5):246–50

A double-blind crossover study comparing two doses of Duranest (etidocaine) 1% with a fixed dose of Sensorcaine (bupivacaine) 0.5% utilizing infiltration regional blocks of the fifth ray. Techner L, et al. **J Foot Surg** 1984 Nov–Dec;23(6):467–9

Submucous paracervical blockade compared with intramuscular meperidine as analgesia during labor: a double-blind study. Jensen F, et al. **Obstet Gynecol** 1984 Nov;64(5):724–7

Lidocaine-pancuronium bromide retrobulbar injection: experimental studies of simultaneous neural and myoneural blockage for profound akinesia. Singh R, et al. **Ophthalmic Surg** 1984 Dec;15(12):996–9

Subarachnoid neurolytic block (L5–S1) and unilateral percutaneous cervical cordotomy in the treatment of pain secondary to pelvic malignant disease. Ischia S, et al. **Pain** 1984 Oct;20(2):139–49

Clinical assessment of our gasserian ganglion-blocking technique in trigeminal neuralgia. Comments on our surgical treatment of trigeminal neuralgia. 1,418 patients operated in seven years. Delfino U, et al. **Panminerva Med** 1984 Apr–Jun;26(2):75–82

Respiratory effects of high cervical cord cold blockade on efferent vagal and phrenic discharges in the rabbit. Webber CL Jr, et al. **Pflugers Arch** 1984 Sep;402(1):10–7

Nerve blocks and chronic pain states––an update. 1. Basic considerations. Brena SF. **Postgrad Med** 1985 Sep 15;78(4):62–71

Nerve blocks and chronic pain states––an update. 2. Clinical indications. Brena SF. **Postgrad Med** 1985 Sep 15;78(4):77–86

[Epidural block pain relief in labor by obstetricians at Paarl Hospital] de Villiers VP. **S Afr Med J** 1985 Jul 6;68(1):22–4 (Eng. Abstr.) **(Afr)**

[Intercostal blockade with morphine chloride in multiple rib fractures] Sanchez Garcia R, et al. **Ugeskr Laeger** 1984 Apr 30;146(18):1364–5 (Eng. Abstr.) **(Dan)**

[Differential anesthetic block] Sprotte G, et al. **Cah Anesthesiol** 1984 Jan–Feb;32(1):25–8 (Eng. Abstr.) **(Fre)**

[Is 0.5% bupivacaine solution isobaric?] Mihic DN. **Reg Anaesth** 1984 Jul;7(3):89–93 (Eng. Abstr.) **(Ger)**

[Electrical nerve localization and catheter technic. A safe method for brachial plexus anesthesia] Postel J, et al. **Reg Anaesth** 1984 Jul;7(3):104–8 (Eng. Abstr.) **(Ger)**

[Methemoglobinemia following blockade of the brachial plexus with prilocaine (Xylonest)] Thiessen F, et al. **Reg Anaesth** 1984 Jul;7(3):94–5 (Eng. Abstr.) **(Ger)**

[Immediate and late results of cryo-block of the intercostal nerves and treatment of postoperative pain in thoracic surgery] Fagiano G, et al. **Minerva Anestesiol** 1985 Jan–Feb;51(1–2):39–43 (Eng. Abstr.) **(Ita)**

[The study of neuro-adrenolysis of pituitary gland on cancer pain and experimental approach to reveal its mechanism of pain relief] Sasaki K. **Hokkaido Igaku Zasshi** 1985 Jan;60(1):24–37 (Eng. Abstr.) **(Jpn)**

[Prevention of bacterial contamination of epidural catheters by an improved skin care technic] Kato Y, et al. **Masui** 1985 Apr;34(4):473–6 (Eng. Abstr.) **(Jpn)**

[The anti-bacterial effect of the povidone-iodine gel for continuous epidural block] Nagaro T, et al. **Masui** 1984 Nov;33(11):1254–9 (Eng. Abstr.) **(Jpn)**

[A statistical analysis of block therapy for hemifacial spasm] Takahashi T, et al. **Masui** 1985 Mar;34(3):335–8 (Eng. Abstr.) **(Jpn)**

[Our experience with epidural chemical neurolysis in the treatment of chronic pain syndromes] Dobrogowski J, et al. **Pol Tyg Lek** 1985 Feb 11;40(6):165–6 (Eng. Abstr.) **(Pol)**

[Chemical neurolysis in advanced neoplasms] Kuś M, et al. **Pol Tyg Lek** 1985 Feb 11;40(6):175–7 (32 ref.) **(Pol)**

[Analgesic effect of 0.25% marcaine in intercostal nerve block after cholecystectomy] Chmielnicki Z, et al. **Wiad Lek** 1984 Jul 1;37(13):985–9 (Eng. Abstr.) **(Pol)**

[Peridural anesthesia with 0.75% bupivacaine. Effects of the addition of adrenaline and sodium bicarbonate] Vane LA, et al. **Rev Paul Med** 1984 Nov–Dec;102(6):244–8 (Eng. Abstr.) **(Por)**

[Historical development of neurolytic agents used for the treatment of chronic pain] Madrid Arias JL. **Rev Esp Anestesiol Reanim** 1984 Sep–Oct;31(5):197–204 (75 ref.) (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Impairment of postural stability following perivascular axillary block with mepivacaine. Kjaergård H, et al. **Acta Anaesthesiol Scand** 1984 Oct;28(5):508–10

Analgesia and maternal side effects of pudendal block at delivery. A comparison of three local anesthetics. Langhoff-Roos J, et al. **Acta Obstet Gynecol Scand** 1985; 64(3):269–72

Persistent phrenic nerve paresis following interscalene brachial plexus block. Bashein G, et al. **Anesthesiology** 1985 Jul;63(1):102–4

Brain stem anesthesia following retrobulbar block [letter] Chang JL, et al. **Anesthesiology** 1984 Dec;61(6):789–90

Bilateral amaurosis following unilateral retrobulbar block [letter] Follette JW, et al. **Anesthesiology** 1985 Aug; 63(2):237–8

Sympathetic blockade cannot explain bronchospasm following interscalene brachial plexus block [letter] Shah MV, et al. **Anesthesiology** 1985 Jun;62(6):847–8

Bronchospasm following interscalene brachial plexus block. Thiagarajah S, et al. **Anesthesiology** 1984 Dec;61(6):759–61

Neuropathy after bupivacaine block [letter] Ashbell TS. **J Hand Surg [Am]** 1985 Jan;10(1):156–7

Cardiovascular collapse following intercostal block with bupivacaine in a patient under general anesthesia. Baraka A, et al. **Middle East J Anaesthesiol** 1983 Oct;7(3):229–31

Peripheral facial nerve paralysis after local dental anesthesia. Ling KC. **Oral Surg Oral Med Oral Pathol** 1985 Jul; 60(1):23–4

[Remarks on the paper by F. Thiessen, J. Bergmann and H. Steinhoff: Methemoglobinemia following blockade of the brachial plexus with prilocaine (Xylonest) (letter)] Biscoping J, et al. **Reg Anaesth** 1985 Apr;8(2):42 **(Ger)**

[Hypotension after intercostal nerve block during thoracic surgery] Fujimoto K, et al. **Masui** 1984 Oct;33(10):1118–21 (Eng. Abstr.) **(Jpn)**

[Horner's syndrome following lumber epidural block] Murakawa T, et al. **Masui** 1984 Nov;33(11):1288–90 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

A nerve stimulator for peripheral nerve blockade. Smith DC, et al. **Anaesthesia** 1985 Jun;40(6):569–71

A microcomputer based controller for neuromuscular block during surgery. Ritchie G, et al. **Ann Biomed Eng** 1985; 13(1):3–15

METHODS

Sciatic nerve block: a new lateral approach. Guardini R, et al. **Acta Anaesthesiol Scand** 1985 Jul;29(5):515–9

Multiple intercostal blocks by a single injection? A clinical and radiological investigation. Johansson A, et al. **Acta Anaesthesiol Scand** 1985 Jul;29(5):524–8

Perivascular axillary block V: blockade following 60 ml of mepivacaine 1% injected as a bolus or as 30 + 30 ml with a 20-min interval. Vester-Andersen T, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):612–6

Femoral nerve block in knee joint surgery. Ringrose NH, et al. **Am J Sports Med** 1984 Sep–Oct;12(5):398–402

Sciatic nerve block for children. Sciatic nerve block by the anterior approach for postoperative pain relief. McNicol LR. **Anaesthesia** 1985 May;40(5):410–4

Electrical nerve location: numerical and electrophoretic comparison of insulated vs uninsulated needles. Bashein G, et al. **Anesth Analg** 1984 Oct;63(10):919–24

Comparison of insulated and uninsulated needles for locating peripheral nerves with a peripheral nerve stimulator. Ford DJ, et al. **Anesth Analg** 1984 Oct;63(10):925–8

Shoulder block anesthesia for shoulder reconstruction surgery. Peterson DO. **Anesth Analg** 1985 Mar;64(3):373–5

Femoral block with mepivacaine for muscle biopsy in malignant hyperthermia patients. Berkowitz A, et al. **Anesthesiology** 1985 May;62(5):651–2

Bupivacaine blood levels during continuous interscalene block. Kirkpatrick AF, et al. **Anesthesiology** 1985 Jan; 62(1):65–7

Diagnostic application of an axillary block in an infant. Lynch C 3d, et al. **Anesthesiology** 1985 Apr;62(4):524–6

Epidural block using large volumes of local anesthetic solution for intercostal nerve block. Middaugh RE, et al. **Anesthesiology** 1985 Aug;63(2):214–6

Reduction of postlumbar puncture backache by the use of field block anesthesia prior to lumbar puncture [letter] Peng AT, et al. **Anesthesiology** 1985 Aug;63(2):227–8

Safe and effective IV regional anesthesia for use in the emergency department. Farrell RG, et al. **Ann Emerg Med** 1985 Apr;14(4):288–92

Spastic hemiplegia in a quadriplegic patient: treatment with phenol nerve block. Wainapel SF, et al. **Arch Phys Med Rehabil** 1984 Dec;65(12):786–7

Intercostal nerve block. Miller I. **Aust Fam Physician** 1984 Dec;13(12):864–6

Intercostal nerve blockade [letter] Dawson AD. **Br J Anaesth** 1984 Nov;56(11):1318–9

Cervical block anesthesia in thyroidectomy. Fernandez FH. **Int Surg** 1984 Oct–Dec;69(4):309–11

Continuous axillary block through an indwelling Teflon catheter. Neimkin RJ, et al. **J Hand Surg [Am]** 1984 Nov; 9(6):830–3

Cataract extraction without facial nerve block [letter] Murphy GE. **Ophthalmic Surg** 1985 Mar;16(3):206

[Employment of axillary block in an ambulatory casualty department] Fredberg U, et al. **Ugeskr Laeger** 1985 Mar 25;147(13):1113–4 (Eng. Abstr.) **(Dan)**

[Subclavicular brachial plexus anesthesia. Apropos of 200 cases. Anatomical and clinical justification] Neidhardt A, et al. **Cah Anesthesiol** 1984 Dec;32(8):651–5 **(Fre)**

[Axillary block of the brachial plexus and flunitrazepam premedication in surgery of the upper limb (study of 1,500 cases)] Pech C, et al. **Cah Anesthesiol** 1984 Dec;32(8 Suppl):37–40 (Eng. Abstr.) **(Fre)**

[Anesthesia of the celiac plexus associated with epidural anesthesia for supra and infra-mesocolic surgery in the high risk patient (letter)] Greffe B, et al. **Presse Med** 1985 Mar 30;14(13):746–7 **(Fre)**

[Long-term experience with brachial plexus anesthesia] Gerstein J, et al. **Aktuel Traumatol** 1984 Oct;14(5):211–4 (Eng. Abstr.) **(Ger)**

[Blocking of the sciatic nerve in the popliteal fossa area] Hakimzadeh A, et al. **Z Orthop** 1985 Jan–Feb;123(1):102–3 (Eng. Abstr.) **(Ger)**

[Brachial plexus block--ways of improving and the perspectives of its use in current anesthesiology] Svetlov VA, et al. **Anesteziol Reanimatol** 1984 Jul–Aug;(4):50–6 (Eng. Abstr.) **(Rus)**

[Use of novocaine block in treating cholestatic hepatitis] Volobuev NN, et al. **Klin Khir** 1984 Sep;(9):38–40 (Eng. Abstr.) **(Rus)**

[Analysis of intraoral methods of blocking the inferior alveolar and lingual nerves] Egorov PM. **Stomatologiia (Mosk)** 1985 Mar–Apr;64(2):51–3 (32 ref.) (Eng. Abstr.) **(Rus)**

[Brachial plexus block by the supraclavicular approach] Gavrilin SV, et al. **Vestn Khir** 1984 Dec;133(12):75–7 (Eng. Abstr.) **(Rus)**

[Method of long-term retroperitoneal block in acute pancreatitis] Sakhautdinov VG, et al. **Vestn Khir** 1984 Aug; 133(8):36–8 (Eng. Abstr.) **(Rus)**

[Epidural-sacral block in the complex treatment of acute hemorrhoids] Kharaberiush VA, et al. **Vrach Delo** 1985 Jan;(1):32–4 (Eng. Abstr.) **(Rus)**

[Regional block of the foot at ankle level. An old technic in disuse] Litvan H, et al. **Rev Esp Anestesiol Reanim** 1985 Mar–Apr;32(2):56–60 (Eng. Abstr.) **(Spa)**

NERVE CELLS see **NEURONS**

NERVE COMPRESSION SYNDROMES

Common mononeuropathies. Massey EW. **NC Med J** 1985 Jan;46(1):7–14 (24 ref.)

Ulnar nerve entrapment at the elbow. Tailoring the treatment to the cause. Hirsh LF, et al. **Postgrad Med** 1985 Jan; 77(1):211–5

[Ulnar nerve compression syndromes of the hand] Kristensen SS, et al. **Ugeskr Laeger** 1984 Dec 3;146(49):3821–4 (Eng. Abstr.) **(Dan)**

[Facial palsy of a short duration induced by compressing the extratemporal facial nerve] Fujita H. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Mar;88(3):304–18 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Oral anticoagulant-induced femoral nerve entrapment. Wood CL, et al. **J Okla State Med Assoc** 1985 May;78(5):135–8

COMPLICATIONS

Progressive cauda equina syndrome and extensive calification/ossification of the lumbosacral meninges. Rotés-Querol J, et al. **Ann Rheum Dis** 1985 Apr; 44(4):277–80

Neurogenic hypertension: etiology and surgical treatment. I. Observations in 53 patients. Jannetta PJ, et al. **Ann Surg** 1985 Mar;201(3):391–8

Neurogenic hypertension: etiology and surgical treatment. II. Observations in an experimental nonhuman primate model. Jannetta PJ, et al. **Ann Surg** 1985 Aug;202(2):253–61

Vascular compression of the C2 and C3 roots--yet another cause of chronic intermittent hemicrania? Hildebrandt J, et al. **Cephalalgia** 1984 Sep;4(3):167–70

Pressure neuropathy of the facial nerve: A case report with light and electron microscopic findings. Ylikoski J, et al. **J Laryngol Otol** 1984 Sep;98(9):909–14

Peroneal neuropathy during weight reduction [letter] Harrison MJ. **J Neurol Neurosurg Psychiatry** 1984 Nov; 47(11):1260

Popliteal entrapment syndrome: a report of tibial nerve entrapment. Podore PC. **J Vasc Surg** 1985 Mar;2(2):335–6

Nerve root compression and night cramps [letter] Rish BL. **JAMA** 1985 Jul 19;254(3):361

Causes of night cramps [letter] Sugar O. **JAMA** 1985 Feb 8;253(6):775–6

Intermittent claudication due to cauda equina compression. McNamara JO, et al. **NC Med J** 1985 Jul;46(7):398

Sacral meningeal arteriovenous fistula fed by branches of the hypogastric arteries and drained through medullary veins. Burguet JL, et al. **Neuroradiology** 1985;27(3):232–7

Priapism as a feature of claudication of the cauda equina. Maurice-Williams RS, et al. **Surg Neurol** 1985 Jun; 23(6):626–8

[Meralgia paresthetica (editorial)] Adar R, et al. **Harefuah** 1984 Aug;107(3–4):100–1 **(Heb)**

[Unilateral visual field defect due to optic nerve compression by non-sclerotic internal carotid and ophthalmic arteries. A case report] Yamatani K, et al. **No Shinkei Geka** 1984 Jul;12(8):961–6 (Eng. Abstr.) **(Jpn)**

[Neurogenic intermittent claudication] Jarmundowicz W, et al. **Neurol Neurochir Pol** 1984 Sep–Oct;18(5):493–7 (Eng. Abstr.) **(Pol)**

CONGENITAL

The tethered spinal cord syndrome. Bakker-Niezen SH, et al. **Z Kinderchir** 1984 Dec;39 Suppl 2:100–3

DIAGNOSIS

'Double crush' mechanism impairing a nerve revealed by studies of the motor axon reflex and M wave terminal phase. A case report. Serra G, et al. **Acta Neurol (Napoli)** 1984 Aug;6(4):300–3

Electrodiagnostic examination, back pain and entrapment of posterior rami. Fisher MA, et al. **Electromyogr Clin Neurophysiol** 1985 Mar–Apr; 25(2–3):183–9

The use of nuclear magnetic resonance in the diagnosis of lateral canal entrapment. Crawshaw C, et al. **J Bone Joint Surg [Br]** 1984 Nov;66(5):711–5

The incomplete anterior interosseous nerve syndrome. Hill NA, et al. **J Hand Surg [Am]** 1985 Jan;10(1):4–16

Ulnar tunnel syndrome [letter] Baruah JK. **J Hand Surg [Br]** 1985 Jun;10(2):276

Attritional flexor tendon rupture due to a scaphoid non union imitating an anterior interosseous nerve syndrome: a case report. Mahring M, et al. **J Hand Surg [Br]** 1985 Feb; 10(1):62–4

The flexor carpi radialis H-reflex in lesions of the sixth and seventh cervical nerve roots. Schimsheimer RJ, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):445–9

Effects of acute nerve compression on conduction of impulse trains of increasing frequency. Jewett DL, et al. **J Neurol Sci** 1985 Feb;67(2):187–99

The anterior interosseous nerve syndrome. Chan KM, et al. **J R Coll Surg Edinb** 1984 Nov;29(6):350–3 (30 ref.)

Diagnosis of meralgia paresthetica [letter] Ecker AD. **JAMA** 1985 Feb 15;253(7):976

Neurospinous claudication [editorial] **Lancet** 1985 Sep 28; 2(8457):704

Neurovascular compression syndromes. Wilkins RH. **Neurol Clin** 1985 May;3(2):359–72 (60 ref.)

Electrophysiologic evaluation of lumbosacral radiculopathies: electromyography, late responses, and somatosensory evoked potentials. Aminoff MJ, et al. **Neurology** 1985 Oct;35(10):1514–8

Entrapment neuropathies. Differential diagnosis and management. Fisher MA, et al. **Postgrad Med** 1985 Jan; 77(1):160–74

Common mononeuropathies. Anderson TL. **Primary Care** 1984 Dec;11(4):643–52

Idiopathic spinal extradural lipomas: three cases and review of the literature. Marks SM, et al. **Surg Neurol** 1985 Feb; 23(2):153–6

[Compression syndrome of nerves of the extremities. Clinical findings, diagnostic and therapeutic procedures based on 2 case reports] Stefan H. **Fortschr Med** 1984 Dec 13; 102(46):1171–2 (Eng. Abstr.) **(Ger)**

[Space occupying lesions in the conus-cauda area--other than intervertebral disks] Firsching R, et al. **Nervenarzt** 1985 Apr;56(4):200–5 **(Ger)**

[Hashimoto thyroiditis with polyneuropathy and multiple entrapment syndromes] Fritze J, et al. **Nervenarzt** 1984 Oct; 55(10):549–51 **(Ger)**

[Supinator tunnel syndrome of the radial nerve] Bíró V, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(3):250–3 (Eng. Abstr.) **(Hun)**

[Differential diagnosis of entrapment neuropathy] Matsuzaki A. **Nippon Seikeigeka Gakkai Zasshi** 1984 Sep;58(9):937–48 **(Jpn)**

[Pisio-hamate hiatus syndrome] Tachibana S, et al. **No Shinkei Geka** 1984 Oct;12(11):1299–304 (Eng. Abstr.) **(Jpn)**

[Early electrodiagnostic measurement of ulnar entrapment neuropathy of the elbow] Kimura I. **Rinsho Shinkeigaku** 1984 Sep;24(9):945–50 (Eng. Abstr.) **(Jpn)**

[Entrapment of the radial nerve in the elbow region. Differential diagnosis in radial epicondylitis] Lilleby H, et al. **Tidsskr Nor Laegeforen** 1985 Apr 20;105(11):749–50 (Eng. Abstr.) **(Nor)**

[Diagnosis and treatment of injuries of the brachial plexus in our experience] Kuś H, et al. **Neurol Neurochir Pol** 1984 May–Jun;18(3):253–8 (Eng. Abstr.) **(Pol)**

[Prognosis of muscular weakness in lumbar radiculopathies based on a clinical evaluation of muscle strength] Zamurović A, et al. **Med Pregl** 1984;37(7–8):307–10 (Eng. Abstr.) **(Scr)**

[Numb fingers and its clinical diagnosis--viewpoints in hand surgery] Lundborg G, et al. **Lakartidningen** 1984 Sep 12; 81(37):3220–3 **(Swe)**

DRUG THERAPY

Correct medication identified [letter] Kashani SR, et al. **Arch Phys Med Rehabil** 1985 May;66(5):337

The use of epidural steroids in the treatment of lumbar radicular pain. A prospective, randomized, double-blind study. Cuckler JM, et al. **J Bone Joint Surg [Am]** 1985

NEWARK PUBLIC LIBRAR

Jan;67(1):63-6

[Treatment of radicular compression syndrome. An open comparative study with pirprofen and a metamizole-vitamin B complex] Müller-Fassbender HR, et al. **Fortschr Med** 1985 Feb 26;103(7A):193-6 (Eng. Abstr.) **(Ger)**

[Peridural administration of drugs in root-compression forms of lumbar osteochondrosis] Margolin GA, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):523-5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Compressive optic neuropathy induced by intranasal balloon catheter. Sadowsky AE, et al. **Am J Ophthalmol** 1985 Apr 15;99(4):487-9

Warfarin-induced iliopsoas hemorrhage with subsequent femoral nerve palsy. King RB, et al. **Ann Emerg Med** 1985 Apr;14(4):362-4

Ulnar nerve injury with open-heart surgery. Wey JM, et al. **Ann Thorac Surg** 1985 Apr;39(4):358-60

Severe compression neuropathy following sudden onset of parkinsonian immobility. Kurlan R, et al. **Arch Neurol** 1985 Jul;42(7):720

Radial compression neuropathy in advanced Parkinson's disease. Preston DN, et al. **Arch Neurol** 1985 Jul;42(7):695-6

Tibial nerve entrapment by a Baker cyst: case report. Kashani SR, et al. **Arch Phys Med Rehabil** 1985 Jan;66(1):49-51

Posterior interosseous nerve syndrome caused by an intermuscular lipoma. Pidgeon KJ, et al. **Arch Phys Med Rehabil** 1985 Jul;66(7):468-71

Diabetic Charcot spine as cauda equina syndrome: an unusual presentation. Race MC, et al. **Arch Phys Med Rehabil** 1985 Jul;66(7):463-5

Ulnar nerve compression by heterotopic ossification in a head-injured patient. Wainapel SF, et al. **Arch Phys Med Rehabil** 1985 Aug;66(8):512-4

Neuro-ophthalmology of sphenoid sinus carcinoma. Harbison JW, et al. **Brain** 1984 Sep;107 (Pt 3):855-70

Median nerve compression lesions. Anatomical and clinical analysis. Goldner JL. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall;44(2):199-223

Neuropathy of the ulnar nerve caused by an aneurysm of the ulnar artery at the wrist. A case report and review of the literature. Vandertop WP, et al. **Clin Neurol Neurosurg** 1985;87(2):139-42

Iliacus hematoma and subsequent femoral nerve palsy after penetration of the medical acetabular wall during total hip arthroplasty Report of a case. Wooten SL, et al. **Clin Orthop** 1984 Dec;(191):221-3

Bilateral postpartum femoral neuropathy. Donaldson JO, et al. **Conn Med** 1985 Aug;49(8):496-8

Cauda equina compression secondary to metastatic carcinoma of the uterine corpus: preservation of neurologic function and long-term survival following surgical decompression and radiation therapy. Kapp DS, et al. **Gynecol Oncol** 1985 Feb;20(2):209-18

Compression neuropathy secondary to neurilemoma. Brietstein RJ. **J Am Podiatr Med Assoc** 1985 Mar;75(3):160-1

Compression of the superficial peroneal nerve secondary to sleeping and sitting positions. Lemont H, et al. **J Am Podiatry Assoc** 1984 Sep;74(9):450-1

Bilateral trochlear nerve palsies. A clinicoanatomic correlate. Murray RS, et al. **J Clin Neuro Ophthalmol** 1985 Mar;5(1):57-8

Visual recovery following prolonged amaurosis due to compressive optic neuropathy. Striph GG, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):189-95

Lymphatic compression of the superficial branch of the radial nerve--a case report. Fossati E, et al. **J Hand Surg [Am]** 1984 Nov;9(6):898-900

Entrapment of the median nerve and flexor pollicis longus tendon in an epiphyseal fracture-dislocation of the distal radioulnar joint: a case report. Sumner JM, et al. **J Hand Surg [Am]** 1984 Sep;9(5):711-4

The hand complications of Colles' fractures. Stewart HD, et al. **J Hand Surg [Br]** 1985 Feb;10(1):103-6

Nerve root ischemia and pain secondary to spinal stenosis syndrome: technical and clinical considerations. Foreman SM. **J Manipulative Physiol Ther** 1985 Jun;8(2):81-5

Sacral sparing with cauda equina compression from central lumbar intervertebral disc prolapse. Lafuente DJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):579-81

Paraspinal myoclonus due to spinal root lesion [letter] Sotaniemi KA. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):722-3

Vascular compression of the brain stem [letter] Aoki N. **J Neurosurg** 1985 Aug;63(2):310

Symptomatic root compression by a free fat transplant after hemilaminectomy. Case report. Cabezudo JM, et al. **J Neurosurg** 1985 Oct;63(4):633-5

Distal ulnar neuropathy in meat packers. An occupational disease? Streib EW, et al. **J Occup Med** 1984 Nov;26(11):842-3

Meralgia paresthetica from a wallet [letter] Orton D. **JAMA** 1984 Dec 28;252(24):3368

Ophthalmic manifestations of pituitary apoplexy. Fong LP, et al. **Med J Aust** 1985 Jan 21;142(2):142-3

Vascular compression, hemifacial spasm, and multiple cranial neuropathy. Eidelman BH, et al. **Neurology** 1985 May;35(5):712-6

Intrathecal paraganglioma of the cauda equina. Reyes MG, et al. **Neurosurgery** 1984 Oct;15(4):578-82

Compression neuropathy from muscle fibrosis induced by repeated meperidine injections. Yamanaka M, et al. **Plast Reconstr Surg** 1985 Apr;75(4):582-3

Intradural cyst with compression of the cauda equina in ankylosing spondylitis. Byrne E, et al. **Surg Neurol** 1985 Feb;23(2):162-4

Foramen magnum syndrome caused by a dolichoodontoid process. Yanai Y, et al. **Surg Neurol** 1985 Jul;24(1):95-100

Cough radiculopathy--another cause of pain in the neck [letter] Torrington KG, et al. **West J Med** 1984 Sep;141(3):379-80

[Visual function after surgery of compressive lesions in the area of the anterior intracranial part of the visual pathway] Vladyková J, et al. **Cesk Oftalmol** 1985 May;41(3):161-5 (Eng. Abstr.) **(Cze)**

[Femoral nerve damage as a complication of anticoagulant therapy] Alberty-Ryöppy A, et al. **Duodecim** 1984;100(20):1324-8 **(Fin)**

[Peroneal nerve entrapment] Vastamäki M. **Duodecim** 1985;101(12):1185-90 (Eng. Abstr.) **(Fin)**

[Epidural compression of the cervical spine and cauda equina by a malignant non-Hodgkin's lymphoma] Boucetta M, et al. **Maroc Med** 1985 Jun;7(2):598-602 (Eng. Abstr.) **(Fre)**

[Radiculo-medullary syndrome in Scheuermann's disease] Lesoin F, et al. **Rev Rhum Mal Osteoartic** 1985 Jan;52(1):57-9 **(Fre)**

[Vertebral osteonecrosis. Apropos of 3 cases, 1 complicated by spinal cord compression and 2 associated with another necrotic localization] Queinnec JY, et al. **Rev Rhum Mal Osteoartic** 1985 Jan;52(1):1-5 (Eng. Abstr.) **(Fre)**

[Peripheral neurologic complications following percutaneous transaxillary aortography] Stücker FJ. **Chirurg** 1985 May;56(5):332-6 (Eng. Abstr.) **(Ger)**

[Obturator neuralgia (Howship-Romberg phenomenon)] Saurenmann P, et al. **Schweiz Med Wochenschr** 1984 Oct 20;114(42):1462-4 (Eng. Abstr.) **(Ger)**

[A rare case of median nerve compression at the bend of the elbow] Vaccari A, et al. **Chir Organi Mov** 1982-83;68(4-6):785-90 (Eng. Abstr.) **(Ita)**

[Crural neuralgia as a manifestation of metastasis of carcinoma of the prostate] Genesi D, et al. **Minerva Urol Nefrol** 1984 Oct-Dec;36(4):307-9 (Eng. Abstr.) **(Ita)**

[Compression of the lumbosacral plexus in a case of voluminous aneurysm of the common iliac artery] Giraldi C, et al. **Riv Neurol** 1984 Nov-Dec;54(6):399-404 (Eng. Abstr.) **(Ita)**

[Case of osteochondroma of atypical localization giving symptoms of tumor of the spinal canal] Mrówka R, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(6):523-5 (Eng. Abstr.) **(Pol)**

[Spinal injuries with injuries of the spinal cord and spinal nerve roots] Dziak A. **Pol Tyg Lek** 1984 Aug 6;39(32):1057-60 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Cupping of the optic disc with compressive lesions of the anterior visual pathway. Kupersmith MJ, et al. **Ann Ophthalmol** 1984 Oct;16(10):948-53

Chronic optic nerve compression. An experimental study. Clifford-Jones RE, et al. **Brain** 1985 Mar;108 (Pt 1):241-62

The anatomy of the distal ulnar tunnel. Gross MS, et al. **Clin Orthop** 1985 Jun;(196):238-47

PHYSIOPATHOLOGY

Entrapment neuropathies of the upper extremity. Morgan RF, et al. **Am Fam Physician** 1985 Jan;31(1):123-34

Clinical and neurophysiologic characteristics of the pronator syndrome. Werner CO, et al. **Clin Orthop** 1985 Jul-Aug;(197):231-6

Recovery from acute demyelinating conduction block in the presence of prolonged distal conduction delay due to peripheral nerve constriction. Baba M, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec;24(7):611-7

Nonarthritic inflammatory problems of the hand and wrist. Watson FM Jr. **Emerg Med Clin North Am** 1985 May;3(2):275-82

Cervical cord trauma. The relationship between clinical syndromes and force of injury. Raynor RB, et al. **Spine** 1985 Apr;10(3):193-7

PREVENTION & CONTROL

Prevention of sciatic nerve entrapment in trochanteric wiring following total hip arthroplasty. Gudmundsson GH, et al. **Clin Orthop** 1985 Jun;(196):215-6

PSYCHOLOGY

Learning and interocular transfer of visual discriminations by goldfish with retinotectal compression. Dunn-Meynell AA, et al. **Exp Neurol** 1985 Jun;88(3):696-713

RADIOGRAPHY

Intradural disk herniation with CT appearance of gas collection. Kaiser MC, et al. **AJNR** 1985 Jan-Feb;6(1):117-8

[CT aspects of the most common variant of the popliteal artery entrapment syndrome] Goebel N, et al. **ROFO** 1985 Jun;142(6):698-700 **(Ger)**

[The arteria transversa colli in assessing the neurovascular compression syndrome] Reichelt HG. **ROFO** 1985 Apr;142(4):465-6 **(Ger)**

[Indications for and significance of computerized tomographic studies in radicular syndromes] Schubiger O. **Schweiz Med Wochenschr** 1984 Nov 24;114(47):1694-700 (Eng. Abstr.) **(Ger)**

[Superior facet syndrome--findings on metrizamide CT myelography] Kubo Y, et al. **No Shinkei Geka** 1985 Feb;13(2):145-50 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

[The question of radiation exposure of the cervical spine in analgesic roentgen irradiation of therapy-resistant humero-scapular periarthritis associated with local cervical syndrome and/or cervicobrachial syndrome] Hoenle R. **Strahlentherapie** 1985 Aug;161(8):498-501 (Eng. Abstr.) **(Ger)**

SURGERY

The cluster-tic syndrome and its surgical therapy. Solomon S, et al. **Cephalalgia** 1985 Jun;5(2):83-9

Heel pain--operative results. Baxter DE, et al. **Foot Ankle** 1984 Jul-Aug;5(1):16-25

Surgical decompression of the ulnar nerve. Srinivasan H. **Ind J Lepr** 1984 Jul-Sep;56(3):520-31

Combined neurosurgical-orthopedic approach to the correction of radiculopathy and instability in spondylolysis and spondylolisthesis. Johnson AC, et al. **Int Surg** 1984 Oct-Dec;69(4):345-50

Entrapment of the superficial peroneal nerve. Three case reports. Kernohan J, et al. **J Bone Joint Surg [Br]** 1985 Jan;67(1):60-1

Superficial peroneal nerve entrapment. A case report. Lowdon IM. **J Bone Joint Surg [Br]** 1985 Jan;67(1):58-9

Entrapment neuropathy of the superficial peroneal nerve. A bilateral case. McAuliffe TB, et al. **J Bone Joint Surg [Br]** 1985 Jan;67(1):62-3

Entrapment neuropathy caused by tophaceous gout. Akizuki S, et al. **J Hand Surg [Br]** 1984 Oct;9(3):331-2

Injury to the medial antebrachial cutaneous nerve during cubital tunnel surgery. Dellon AL, et al. **J Hand Surg [Br]** 1985 Feb;10(1):33-6

Stabilisation of the spine affected by malignancy. Miles J, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):897-904

Intraoperative brain-stem auditory evoked potentials during posterior fossa microvascular decompression. Friedman WA, et al. **J Neurosurg** 1985 Apr;62(4):552-7

Involvement of lumbosacral roots caused by lateral recess stenosis. Lucantoni D, et al. **J Neurosurg Sci** 1984 Apr-Jun;28(2):93-6

Microvascular decompression in hemifacial spasm: intraoperative electrophysiological observations. Møller AR, et al. **Neurosurgery** 1985 May;16(5):612-8

Microvascular decompression for tic douloureux [letter] Piatt JH Jr, et al. **Neurosurgery** 1984 Sep;15(3):456

Current trends in orbital decompression. McCord CD Jr. **Ophthalmology** 1985 Jan;92(1):21-33

Compression of the deep palmar branch of the ulnar nerve. A case report. Hogue RE. **Phys Ther** 1985 Feb;65(2):203-5

[Microsurgical cure of the cause of facial hemispasm] Zvěřina E. **Cas Lek Cesk** 1985 Mar 1;124(9):263-5 (Eng. Abstr.) **(Cze)**

[Treatment of facial hemispasm by microvascular decompression of nerve VII] Zvěřina E. **Cesk Neurol Neurochir** 1984 Nov;47(6):350-5 (Eng. Abstr.) **(Cze)**

[The importance of the narrowing of the foramina in cervical root compression] Rosenørn J, et al. **Ugeskr Laeger** 1984 Aug 27;146(35):2620-2 (Eng. Abstr.) **(Dan)**

[Strategy and tactics in leprosy surgery] Bourrel P. **Acta Leprol (Geneve)** 1984 Jan-Mar;(94):55-63 **(Fre)**

[Proximal radial nerve compression syndrome. Treatment and results] Wilhelm A, et al. **Handchir Mikrochir Plast Chir** 1985 Jul;17(4):219-24 (Eng. Abstr.) **(Ger)**

[Ophthalmo-rhinosurgical decompression operation in malignant endocrine exophthalmus] Buschmann W, et al. **Klin Monatsbl Augenheilkd** 1984 Jul;185(1):1-8 (Eng. Abstr.) **(Ger)**

[Decompression of the optic nerve] Siegl H. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):118-20 (Eng. Abstr.) **(Ger)**

[Operative treatment of cubital tunnel syndrome and late ulnar paralysis by simple decompression. Report on 108 cases] Assmus H. **Neurochirurgia (Stuttg)** 1984 Nov;27(6):181-5 (Eng. Abstr.) **(Ger)**

[Results of volar transposition of the ulnar nerve in cubital tunnel syndrome] Höllerhage HG, et al. **Neurochirurgia (Stuttg)** 1985 Mar;28(2):64-7 (Eng. Abstr.) **(Ger)**

[Transdural rupture of lumbar intervertebral disk prolapse] Steffen H, et al. **Zentralbl Neurochir** 1984;45(3):183-8 (Eng. Abstr.) **(Ger)**

[Neuralgia of the dorsal interosseous nerve] Carozzi S, et al. **Chir Ital** 1983 Apr;35(2):279-84 (Eng. Abstr.) **(Ita)**

[Entrapment syndrome of the nerve of the median gemellus muscle, a branch of the posterior tibial nerve. Description of a case treated by a microsurgical technic] Gazzeri G, et al. **Minerva Chir** 1984 Sep 15;39(17):1147-8 (Eng. Abstr.) **(Ita)**

[Disorders of ulnar nerve function after injuries of the elbow joint area treated by anterior transposition of the nerve] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1984; 49(4):339-43 (Eng. Abstr.) **(Pol)**

[Surgical transposition of the ulnar nerve in progressive paralysis] Kasprzak H, et al. **Neurol Neurochir Pol** 1984 May-Jun;18(3):247-52 (Eng. Abstr.) **(Pol)**

[Predicting the results of surgical treatment of radicular syndromes in hernias and massive protrusions of lumbar intervertebral disks] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1985 May;(5):34-8 (Eng. Abstr.) **(Rus)**

[Analysis of different means of surgical treatment of radicular syndromes in hernias and protrusions of the lumbar intervertebral disks] Prodan AI, et al. **Ortop Travmatol Protez** 1985 Jan;(1):30-4 **(Rus)**

[Surgical treatment of peripheral nerve compression syndromes] Tikk AA, et al. **Zh Vopr Neirokhir** 1985 Mar-Apr;(2):45-7 (Eng. Abstr.) **(Rus)**

[The status of visual acuity and visual fields before and after decompression of the chiasma] Stevanović M, et al. **Med Pregl** 1984;37(5-6):241-5 (Eng. Abstr.) **(Ser)**

THERAPY

Clinical and physiological basis for a new method underlying rehabilitation of the damaged visual nerve function by direct electric stimulation. Bechtereva NP, et al. **Int J Psychophysiol** 1985 Apr;2(4):257-72

[Therapeutic results in spinal tumor metastases involving neurologic deficit] Eugster C, et al. **Dtsch Med Wochenschr** 1985 Jul 5;110(27):1068-73 (Eng. Abstr.) **(Ger)**

[The analgesic effect of interference currents in radicular pains] Kwasucki J, et al. **Neurol Neurochir Pol** 1984 May-Jun;18(3):235-9 (Eng. Abstr.) **(Pol)**

[Treatment and rehabilitation of patients with neurological manifestations of cervical osteochondrosis] Serga VV. **Vrach Delo** 1984 Aug;(8):99-100 (Eng. Abstr.) **(Rus)**

VETERINARY

Vagus indigestion syndrome resulting from a liver abscess in dairy cows. Fubini SL, et al. **J Am Vet Med Assoc** 1985 Jun 15;186(12):1297-300

Laminectomy for treatment of cauda equina syndrome in a cat. Hurov L. **J Am Vet Med Assoc** 1985 Mar 1; 186(5):504-5

NERVE CONDUCTION see **NEURAL CONDUCTION**

NERVE CRUSH

Long term survival of cat retinal ganglion cells after intracranial optic nerve transection. Holländer H, et al. **Exp Brain Res** 1985;59(3):633-5

Axonotmesis as treatment for neurotmesis. Koerber HR, et al. **Exp Neurol** 1985 May;88(2):316-26

Comparison of the effects of sciatic nerve crush or resection on the proteins of fast axonal transport in rat dorsal root ganglion cell axons. Redshaw JD, et al. **Exp Neurol** 1985 May;88(2):437-46

Axonal regeneration after crush injury of rat central nervous system fibres innervating peripheral nerve grafts. David S, et al. **J Neurocytol** 1985 Feb;14(1):1-12

Changes in capillary distribution in rat fast muscles following nerve crush and reinnervation. Large J, et al. **J Physiol (Lond)** 1985 May;362:13-21

NERVE DEGENERATION

Retrograde degeneration within the dorsal motor vagal nucleus following bilateral vagotomy in rabbits. Szereda-Przestaszewska M. **Acta Anat (Basel)** 1985; 121(3):133-9

A variant form of metachromatic leucodystrophy in a patient suffering from another congenital degenerative neurological disease. Nordenbo AM, et al. **Acta Neurol Scand** 1985 Jan;71(1):31-6

Cortical cerebellar degeneration with testicular neoplasm. Yamada M, et al. **Acta Neuropathol (Berl)** 1985;66(2):170-2

Studies on aging processes. Agnati LF, et al. **Acta Physiol Scand [Suppl]** 1984;532:45-61

Degeneration of the greater splanchnic nerve by operation. Isomura G, et al. **Anat Anz** 1985;158(3):209-16

Transneuronal degeneration in the heart and gastro-oesophageal junction in the monkey (Macaca fascicularis) following unilateral vagotomy. Wong WC, et al. **Ann Acad Med Singapore** 1985 Jan;14(1):123-7

Neurofilament breakdown products in degenerating rat and human peripheral nerves. Trojanowski JQ, et al. **Ann Neurol** 1984 Sep;16(3):349-55

Ultrastructure of the radial components of the mouse optic nerve and its changes during Wallerian degeneration. Honjin R, et al. **Arch Histol Jpn** 1985 Feb;48(1):45-52

Neuron-specific mitochondrial degeneration induced by hyperammonemia and octanoic acidemia. Drewes LR, et al. **Brain Res** 1985 Aug 12;340(2):211-8

A second hypothalamic nucleus receiving retinal input in man: the paraventricular nucleus. Schaechter JD, et al. **Brain Res** 1985 Aug 12;340(2):243-50

Efferents from the supracommissural ventral telencephalon in the hime salmon (landlocked red salmon, Oncorhynchus nerka): an anterograde degeneration study. Shiga T, et al. **Brain Res Bull** 1985 Jan;14(1):55-61

Quinacrine-induced dilation of the rat cecum and degeneration of large granular vesicle-containing neurons in the myenteric plexus. Iijima T, et al. **Cell Tissue Res** 1985;241(2):383-9

Long term modification of cerebellar inhibition after inferior olive degeneration. Batini C, et al. **Exp Brain Res** 1985; 59(2):404-9

Effects of VIIth (facial) nerve degeneration on vasoactive intestinal polypeptide and substance P levels in ocular and orbital tissues of the rabbit. Butler JM, et al. **Exp Eye Res** 1984 Oct;39(4):523-32

Retrograde and transganglionic degeneration of sensory neurons after a peripheral nerve lesion at birth. Bondok AA, et al. **Exp Neurol** 1984 Nov;86(2):322-30

Axonotmesis as treatment for neurotmesis. Koerber HR, et al. **Exp Neurol** 1985 May;88(2):316-26

Synaptic degeneration in rat visual cortex after neonatal administration of methylmercury. O'Kusky J. **Exp Neurol** 1985 Jul;89(1):32-47

Nerve degeneration study of the source of afferent axonal endings in the carotid baroreceptor zone of the domestic fowl. Abdel-Magied EM. **J Anat** 1984 Oct;139 (Pt 3):475-82

Degeneration of the distal vagal ganglion cells of the domestic fowl after section of their central processes. Abdel-Magied EM. **J Anat** 1984 Dec;139 (Pt 4):667-75

Long-term effect of mossy fiber degeneration in the rat. Anderson WA, et al. **J Comp Neurol** 1984 Aug 10; 227(3):414-23

Time course of mossy fiber degeneration following pontine ablation in the rat. Anderson WA, et al. **J Comp Neurol** 1984 Aug 10;227(3):401-13

Degeneration of thalamic neurons in 'Purkinje cell degeneration' mutant mice. I. Distribution of neuron loss. O'Gorman S, et al. **J Comp Neurol** 1985 Apr 15; 234(3):277-97

Degeneration of thalamic neurons in 'Purkinje cell degeneration' mutant mice. II. Cytology of neuron loss. O'Gorman S. **J Comp Neurol** 1985 Apr 15;234(3):298-316

Changes in protein content of goldfish optic nerve during degeneration and regeneration following nerve crush. Perry GW, et al. **J Neurochem** 1985 Apr;44(4):1142-51

Biochemical studies on 5'-nucleotidase of Schwann cells in degenerated nerve. Ross SM, et al. **J Neurochem** 1985 Jul; 45(1):324-7

The role of non-resident cells in Wallerian degeneration. Beuche W, et al. **J Neurocytol** 1984 Oct;13(5):767-96

Degenerative and regenerative changes in the trochlear nerve of goldfish. Scherer SS, et al. **J Neurocytol** 1984 Aug; 13(4):519-65

Axonal degeneration in large and small nerve fibres. An electron-microscopic and morphometric study. Malbouisson AM, et al. **J Neurol Sci** 1985 Mar;67(3):307-18

Interaction of inactivity and nerve breakdown products in the origin of acute denervation changes in rat skeletal muscle. Cangiano A, et al. **J Physiol (Lond)** 1984 Oct; 355:345-65

Alcohol withdrawal causes a loss of cerebellar Purkinje cells in mice. Phillips SC, et al. **J Stud Alcohol** 1984 Nov; 45(6):475-80

Excitatory aminoacid antagonists provide a therapeutic approach to neurological disorders. Schwarcz R, et al. **Lancet** 1985 Jul 20;2(8447):140-3

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 38-1985. A 66-year-old man with progressive neurologic deterioration. **N Engl J Med** 1985 Sep 19;313(12):739-48

Ca2+ dependence of the release of noradrenaline during nerve degeneration in the parotid gland. del Baldo D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov; 328(1):41-3

Alteration of sulfatide synthesis in control and Trembler mice during Wallerian degeneration and remyelination. Bourre JM, et al. **Neurochem Pathol** 1984 Fall;2(3):153-61

The human spongiform encephalopathies. Bendheim PE. **Neurol Clin** 1984 May;2(2):281-98

Celiac disease and spinocerebellar degeneration with normal vitamin E status. Ward ME, et al. **Neurology** 1985 Aug; 35(8):1199-201

Sodium channels in the axolemma of normal and degenerating rabbit optic nerve. Pellegrino RG, et al. **Proc R Soc Lond [Biol]** 1984 Aug 22;222(1227):155-60

Note on the pathology of the basal nucleus of Meynert in degenerative brain disorders. Tagliavini F, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 135(2):277-80

Ascending anterograde degeneration of some rabbit spinal cord tracts after ischemic damage. Maršala J, et al. **Z Mikrosk Anat Forsch** 1984;98(3):324-36

[Eaton-Lambert myasthenic syndrome, subacute cortical cerebellar degeneration and somatosensory polyneuropathy in small cell bronchial cancer] König F, et al. **Nervenarzt** 1984 Aug;55(8):436-40 **(Ger)**

[Alpers syndrome (a case report)] von der Linde J, et al. **Padiatr Grenzgeb** 1984;23(4):225-41 (Eng. Abstr.) **(Ger)**

[Clinical physiopathology of axoplasmic flow] Nava L, et al. **Riv Neurol** 1984 Jul-Aug;54(4):274-87 (Eng. Abstr.) **(Ita)**

[Biochemical study of experimental peripheral neuropathy. The sequence of changes of peripheral nerve protein in Wallerian degeneration and regeneration] Shimizu Y. **Rinsho Shinkeigaku** 1984 Sep;24(9):872-9 (Eng. Abstr.) **(Jpn)**

[Dystrophic and compensatory regenerative processes in the cortical neurons after hypoxia and the transplantation of embryonic nerve tissue in rats] Polezhaev LV, et al. **Dokl Akad Nauk SSSR** 1985;282(3):712-6 **(Rus)**

DRUG EFFECTS

Intimacy of the neuroeffector junction and resistance to alpha-adrenoceptor-blockade of the neurogenic contractile response in vasa deferentia from guinea pig and rat. Hammarström M, et al. **Acta Physiol Scand** 1984 Dec; 122(4):465-74

Further studies on the effects of the GM1 ganglioside on the degenerative and regenerative features of mesostriatal dopamine neurons. Agnati LF, et al. **Acta Physiol Scand [Suppl]** 1984;532:37-44

The mechanisms of acrylamide axonopathy. Miller MS, et al. **Annu Rev Pharmacol Toxicol** 1985;25:643-66 (148 ref.)

Catecholamine-blocking drugs injected at sites of amine accumulation reverse catecholamine degeneration associated deficits. Willis GL, et al. **Behav Brain Res** 1985 Apr;15(2):101-6

Deterioration of axonal membranes induced by phenolic pro-oxidants. Roles of superoxide radicals and hydrogen peroxide. Davison AJ, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3887-91

Ethylene oxide induces central-peripheral distal axonal degeneration of the lumbar primary neurones in rats. Ohnishi A, et al. **Br J Ind Med** 1985 Jun;42(6):373-9

Protection from guanethidine-induced neuronal destruction by nerve growth factor: effect of NGF on immune function. Manning PT, et al. **Brain Res** 1985 Aug 5; 340(1):61-9

Bovine brain gangliosides in the treatment of human sensory and motor neuronal degenerations. Bradley WG, et al. **Clin Neurol Neurosurg** 1985;87(1):23-6

Low dose choline chloride in cerebellar degeneration. Austin CA, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep; 47(9):1038-40

Chronic experimental allergic encephalomyelitis in guinea pigs induced by proteolipid protein. Yoshimura T, et al. **J Neurol Sci** 1985 May-Jun;69(1-2):47-58

[Experimental neuropathy induced by DDT: analysis of the nerves by microdissection of the fibers] Nóvak EM, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):242-50 (Eng. Abstr.) **(Por)**

RADIATION EFFECTS

A sensitive assay for detecting hypersensitivity to ionizing radiation in lymphoblastoid lines from patients with Duchenne muscular dystrophy and primary neuronal degenerations. Tarone RE, et al. **J Neurol Sci** 1984 Sep; 65(3):367-81

NERVE ENDINGS

see related
NEURAL TRANSMISSION
TASTE BUDS

[Relation between vital staining of different types of nerve endings and the pH of the staining solution] Vshivtseva VV. **Arkh Anat Gistol Embriol** 1984 Jul;87(7):83-7 **(Rus)**

ANALYSIS

Dynorphin-A (1-8) is contained within perikarya, nerve fibres and nerve terminals of rat duodenum. Wolter HJ. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):610-5

The ultrastructural identification of reticulo-hypoglossal axon terminals anterogradely labeled with horseradish peroxidase. Borke RC, et al. **Brain Res** 1985 Jun 24; 337(1):127-32

Localization of enkephalins in adrenaline cells and the nerves innervating adrenaline cells in rat adrenal medulla. Pelto-Huikko M, et al. **Histochemistry** 1985;82(4):377-83

Intragranular colocalization of immunoreactive methionine-enkephalin and oxytocin within the nerve terminals in the posterior pituitary. Adachi T, et al. **J Histochem Cytochem** 1985 Sep;33(9):891-9

Tryptamine concentrations in areas of 5-hydroxytryptamine terminal innervation after electrolytic lesions of midbrain raphe nuclei. Juorio AV, et al. **J Neurochem** 1985 Aug; 45(2):422-6

ANATOMY & HISTOLOGY

A study of the nerve endings of the outer hair cells in the organ of Corti—using scanning electron microscopy. Harada Y, et al. **Auris Nasus Larynx** 1985;12(1):5-14

The nerve endings of the glycogen body of embryonic and adult avian spinal cord: on the existence of two different varieties of nerve fibers. Pessacq-Asenjo TP. **Growth** 1984 Autumn;48(3):385-90

[Nerve terminals in the wall of human cavernous sinus] Allegri G, et al. **Arch Ital Anat Embriol** 1984 Jul-Dec; 89(3-4):197-205 (Eng. Abstr.) **(Ita)**

NEWARK PUBLIC LIBRARY

CYTOLOGY

A modified gold chloride method for the demonstration of nerve endings in frozen sections. Zimny ML, et al. **Stain Technol** 1985 Sep;60(5):305-6

DRUG EFFECTS

In vivo effects of aminooxyacetic acid and valproic acid on nerve terminal (synaptosomal) GABA levels in discrete brain areas of the rat. Correlation to pharmacological activities. Löscher W, et al. **Biochem Pharmacol** 1985 May 15;34(10):1747-56

Effect of the dihydropyridine Bay K 8644 on the release of [3H]-noradrenaline from the rat isolated vas deferens. Ceña V, et al. **Br J Pharmacol** 1985 Jul;85(3):691-6

Epinephrine- and norepinephrine-evoked potential changes of frog primary afferent terminals: pharmacological characterization of alpha and beta components. Wohlberg CJ, et al. **Brain Res** 1985 Feb 18;327(1-2):289-301

The ergolene derivative MPME induces in the rat a behavioural syndrome associated with activation of dopamine D-1 receptors belonging to the dotted type of forebrain dopamine nerve terminals. Ogren SO, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):79-89

Effects of triiodothyronine and propylthiouracil on regeneration of catecholaminergic nerve terminals in the paraventricular hypothalamic nucleus of the adult rat. Hoovler DW, et al. **Exp Neurol** 1985 Jul;89(1):123-33

Improved method for isolating synaptosomes from 11 regions of one rat brain: electron microscopic and biochemical characterization and use in the study of drug effects on nerve terminal gamma-aminobutyric acid in vivo. Löscher W, et al. **J Neurochem** 1985 Sep;45(3):879-89

Ultrastructural and morphometric studies on the neurohypophysial nerve terminals of the rat following administration of angiotensin II. Ochiai H, et al. **Neuroendocrinology** 1984 Dec;39(6):496-502

Measurement of fasciculations as motor nerve ending discharges in the rat: a dose related effect of neostigmine. Sprouse JS, et al. **Proc Soc Exp Biol Med** 1985 Feb; 178(2):304-8

Hallucinogenic amphetamine selectively destroys brain serotonin nerve terminals. Ricaurte G, et al. **Science** 1985 Sep 6;229(4717):986-8

Sensory irritation tolerance and cross-tolerance in F-344 rats exposed to chlorine or formaldehyde gas. Chang JC, et al. **Toxicol Appl Pharmacol** 1984 Nov;76(2):319-27

[Catecholamine receptors and antagonists: b. Presynaptic receptors] Tsuda K, et al. **Nippon Rinsho** 1985 May; 43(5):935-42 (40 ref.) **(Jpn)**

ENZYMOLOGY

Inhibition of monoamine oxidase in 5-hydroxytryptaminergic neurones by substituted p-aminophenylalkylamines. Ask AL, et al. **Br J Pharmacol** 1985 Jul;85(3):683-90

Immunohistochemical demonstration of neuron specific enolase in the nerve endings and skin receptors of marine eels. Zaccone G. **Histochem J** 1984 Nov;16(11):1231-6

IMMUNOLOGY

Specific immunolysis of serotonergic nerve terminals using an antiserum against tryptophan hydroxylase. Docherty M, et al. **FEBS Lett** 1985 Mar 25;182(2):489-92

Antibody response of rabbits to nerve ending gangliosides. Analysis of antibody specificity by liposome lysis and lysis inhibition assays. Uemura K, et al. **J Neuroimmunol** 1985 Sep;9(5):269-90

METABOLISM

Determinations of catecholamine half-lives and turnover rates in discrete catecholamine nerve terminal systems of the hypothalamus, the preoptic region and the forebrain by quantitative histofluorimetry. Andersson K, et al. **Acta Physiol Scand** 1985 Apr;123(4):411-26

Halothane-induced changes in the release and disposition of norepinephrine at adrenergic nerve endings in dog saphenous vein. Lunn JJ, et al. **Anesthesiology** 1984 Oct; 61(4):377-84

Comparative localization of neurotensin receptors on nigrostriatal and mesolimbic dopaminergic terminals. Quirion R, et al. **Brain Res** 1985 Feb 18;327(1-2):385-9

Dopamine increases potassium efflux in the rat parotid gland by stimulating noradrenaline release from sympathetic nerve endings. Sundström S, et al. **Brain Res** 1985 Jun 24; 337(1):155-8

Dexamethasone affects radioactive choline uptake in rat diaphragm nerve endings and not in muscle fibres. Veldsema-Currie RD, et al. **Brain Res** 1985 Feb 18; 327(1-2):340-3

Evidence that [3H]dopamine is taken up and released from nondopaminergic nerve terminals in the rat substantia nigra in vitro. Kelly E, et al. **J Neurochem** 1985 Jul;45(1):137-44

Tetraenoic species are conserved in muscarinically enhanced inositide turnover. Van Rooijen LA, et al. **J Neurochem** 1985 Feb;44(2):540-3

Binding of a Glycera convoluta neurotoxin to cholinergic nerve terminals triggers a Ca-dependent acetylcholine release. Thieffry M, et al. **J Physiol (Paris)** 1984; 79(4):269-74

The outward transport of axoplasmic noradrenaline induced by a rise of the sodium concentration in the adrenergic nerve endings of the rat vas deferens. Stute N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(2):124-32

Stability of the amino acid content of nerve endings after administration of gamma-aminobutyrate agonists and antagonists. Wood JD, et al. **Neuropharmacology** 1985 Jul; 24(7):685-7

Preputial skin as a model for the demonstration of substance P-like immunoreactive human peripheral nerve endings. Nguyen-Legros J, et al. **Neurosci Lett** 1984 Aug 24; 49(1-2):159-63

Characteristics of calcium channels in isolated nerve endings from rat brain. Nachshen DA. **Prog Clin Biol Res** 1984; 168:65-8

Synapsin I in nerve terminals: selective association with small synaptic vesicles. Navone F, et al. **Science** 1984 Dec 7; 226(4679):1209-11

PATHOLOGY

[Risks in chronic circulatory insufficiency of the coronary bed] Doležel S, et al. **Cesk Fysiol** 1984;33(4):347-52 **(Cze)**

PHYSIOLOGY

Dependence of cytoplasmic calcium transients on the membrane potential in isolated nerve endings of the guinea pig. Heinonen E, et al. **Biochim Biophys Acta** 1985 May 14;815(2):203-8

Prolonged vibration of cutaneous artery: absence of persisting aftereffects. Lindblad LE, et al. **Experientia** 1984 Dec 15; 40(12):1372-3

Active calcium responses recorded optically from nerve terminals of the frog neurohypophysis. Obaid AL, et al. **J Gen Physiol** 1985 Apr;85(4):481-9

Motor nerve terminal outgrowth and acetylcholine receptors: inhibition of terminal outgrowth by alpha-bungarotoxin and anti-acetylcholine receptor antibody. Pestronk A, et al. **J Neurosci** 1985 Mar;5(3):751-8

Tendon organ firing during active muscle lengthening in awake, normally behaving cats. Appenteng K, et al. **J Physiol (Lond)** 1984 Aug;353:81-92

[Regulation of intracellular Ca2+ in the nerve terminal] Abe T. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1212-22 (73 ref.) **(Jpn)**

[Characteristics of electrical activity in different sections of nerve endings in the frog] Zefirov AL, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):7-10 (Eng. Abstr.) **(Rus)**

[Calcium current of nerve ending in the frog] Zefirov AL, et al. **Dokl Akad Nauk SSSR** 1985;282(3):744-6 **(Rus)**

ULTRASTRUCTURE

Effects of dorsal rhizotomy on the several types of primary afferent terminals in laminae I-III of the rat spinal cord. An electron microscope study. Coimbra A, et al. **Anat Embryol (Berl)** 1984;170(3):279-87

Apical dendritic spines and axonic terminals in the bipyramidal neurons of the dorsomedial cortex of lizards (Lacerta). Martinez Guijarro FJ, et al. **Anat Embryol (Berl)** 1984;170(3):321-6

Ultrastructure of the glomerular corpuscular nerve endings in the subepithelium of human epiglottis. Chiba T, et al. **Arch Histol Jpn** 1985 Apr;48(2):213-21

Sensory innervation of periodontal ligament of rat molars consists of unencapsulated Ruffini-like mechanoreceptors and free nerve endings. Byers MR. **J Comp Neurol** 1985 Jan 22;231(4):500-18

Fine structure of peptidergic and catecholaminergic nerve fibers in the anterior cerebral artery and their interrelationship: an immunoelectron microscopic study. Matsuyama T, et al. **J Comp Neurol** 1985 May 8; 235(2):268-76

Fine structure, origin, and distribution density of the autonomic nerve endings in the sphincter and dilator muscles of the pupil of the mouse. Yamashita T, et al. **Okajimas Folia Anat Jpn** 1984 Aug;61(2-3):173-81

Nerve endings in the lizard skin (Lacerta viridis). Páč L. **Z Mikrosk Anat Forsch** 1984;98(6):939-50

[Free axon endings in the mouse epiglottis] Böck P. **Z Mikrosk Anat Forsch** 1984;98(6):813-31 (Eng. Abstr.) **(Ger)**

NERVE ENDINGS, SENSORY see **RECEPTORS, SENSORY**

NERVE FIBERS

[Morphometric analysis of diameter and density of myelinated and unmyelinated fibers of normal human sural nerves] Ohnishi A, et al. **Sangyo Ika Daigaku Zasshi** 1984 Dec 1;6(4):377-81 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Acquired and progressive myelinated nerve fibers. Aaby AA, et al. **Arch Ophthalmol** 1985 Apr;103(4):542-4

ANALYSIS

Substance P nerve fibres in the canine larynx by PAP immunohistochemistry. Hisa Y, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):128-33

Immunohistochemical demonstration of the nerves in human dental pulp with antisera against neurofilament protein and glia-specific S-100 protein. Maeda T, et al. **Arch Histol Jpn** 1985 Feb;48(1):123-9

Substance P-like immunoreactive nerves in the human eye. Stone RA, et al. **Arch Ophthalmol** 1985 Aug;103(8):1207-11

Dynorphin-A (1-8) is contained within perikarya, nerve fibres and nerve terminals of rat duodenum. Wolter HJ. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):610-5

Immunohistochemical demonstration of substance P-containing nerve fibres in glomus tumours. Kishimoto S, et al. **Br J Dermatol** 1985 Aug;113(2):213-8

The distribution of angiotensin II-immunoreactive cells and fibers in the paraventriculo-hypophysial system of the rat. Lind RW, et al. **Brain Res** 1985 Jul 8;338(1):81-9

Funicular course of catecholamine fibers innervating the lumbar spinal cord of the cat. Stevens RT, et al. **Brain Res** 1985 Jun 17;336(2):243-51

Reissner's fiber and the wall of the central canal in the lumbo-sacral region of the bovine spinal cord. Comparative immunocytochemical and ultrastructural study. Rodríguez S, et al. **Cell Tissue Res** 1985;240(3):649-62

Guinea-pig ocular nerves contain a peptide of the cholecystokinin/gastrin family [letter] Stone RA, et al. **Exp Eye Res** 1984 Sep;39(3):387-91

VIP like immunoreactive nerves in human respiratory tract. Light and electron microscopic study. Laitinen A, et al. **Histochemistry** 1985;82(4):313-9

Immunohistological studies of masked indoleamine cells in the area postrema of the rat. Nishida K, et al. **Histochemistry** 1985;82(2):101-6

Anatomical localization and some pharmacological effects of vasoactive intestinal polypeptide in human and monkey corpus cavernosum. Steers WD, et al. **J Urol** 1984 Nov; 132(5):1048-53

Vasoactive intestinal polypeptide (VIP)-immunoreactive nerve fibres associated with the striated muscle of the human external urethral sphincter [letter] Crowe R, et al. **Lancet** 1985 Jan 5;1(8419):47-8

Simultaneous ultrastructural localization of cholecystokinin- and tyrosine hydroxylase-like immunoreactivity in nerve fibers of the rat nucleus accumbens. Loopuijt LD, et al. **Neurosci Lett** 1985 May 23;56(3):329-34

[Study on the catecholamine-containing fibers in the vagus] Sakaguchi H. **Nippon Geka Gakkai Zasshi** 1984 Jul; 85(7):663-74 (Eng. Abstr.) **(Jpn)**

[Met-enkephalin-Arg-Gly-Leu-like immunoreactivity-containing nerve fibers and cell bodies in the abdominal sympathetic ganglia of the rat--an immunohistochemical study] Shimosegawa T, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 May 20;61(5):581-91 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Mesencephalic root fibers of the trigeminal nerve in the cat. Ryu K, et al. **Acta Anat (Basel)** 1985;121(4):197-204

The termination of spinomesencephalic fibers in cat. An experimental anatomical study. Björkeland M, et al. **Anat Embryol (Berl)** 1984;170(3):265-77

Light and electron microscopic identification of elastic, elaunin and oxytalan fibers in human tracheal and bronchial mucosa. Böck P, et al. **Anat Embryol (Berl)** 1984; 170(2):145-53

Sexual differences in the topographical distribution of serotonergic fibers in the anterior column of rat lumbar spinal cord. Kojima M, et al. **Anat Embryol (Berl)** 1984; 170(2):117-21

Fiber analysis of the pyramidal tract of the laboratory rat. Harding GW, et al. **Exp Neurol** 1985 Mar;87(3):503-18

The nerve endings of the glycogen body of embryonic and adult avian spinal cord: on the existence of two different varieties of nerve fibers. Pessacq-Asenjo TP. **Growth** 1984 Autumn;48(3):385-90

The inhomogeneous distribution of the corticostriatal fibers originating from the frontal and parietal cortices: an autoradiographic study in the rat. Watanabe K. **Okajimas Folia Anat Jpn** 1984 Aug;61(2-3):183-99

An immunohistochemical survey of endocrine cells and nerves in the proximal duodenum of the echidna, Tachyglossus aculeatus. Yamada J, et al. **Z Mikrosk Anat Forsch** 1985;99(2):209-18

CYTOLOGY

Motor innervation of intrafusal fibers in rat muscle spindles: incomplete separation of dynamic and static systems. Walro JM, et al. **Am J Anat** 1985 May;173(1):55-68

Nerve fiber caliber analyses in the mouse ramus digastricus and rami stylohyoidei with the electron microscope. Shimozawa A, et al. **Anat Anz** 1985;158(1):87-108

The glial cells in the nerve fiber layer of the rat olfactory bulb. Doucette JR. **Anat Rec** 1984 Oct;210(2):385-91

Microscopic anatomy of the adult human brachial plexus: an anatomical and histological basis for microsurgery. Bonnel F. **Microsurgery** 1984;5(3):107-18

DRUG EFFECTS

Differential effect of nerve fiber structure on block by local anesthetic. Fink BR, et al. **Anesthesiology** 1985 Aug; 63(2):157-60

In support of diffusion barriers about nerve [letter] Gissen AJ. **Anesthesiology** 1985 Jul;63(1):114-6

Differential nerve blocking activity of amino-ester local anaesthetics. Wildsmith JA, et al. **Br J Anaesth** 1985 Jun; 57(6):612-20

Reversal of the sexually dimorphic distribution of serotonin-immunoreactive fibers in the medial preoptic nucleus by treatment with perinatal androgen. Simerly RB, et al. **Brain Res** 1985 Aug 5;340(1):91-8

Potentiation of nerve growth factor-mediated nerve fiber production in organ cultures of chicken embryonic ganglia by ginseng saponins: structure--activity relationship. Takemoto Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug; 32(8):3128-33

The effects of furosemide on the endocochlear potential and auditory-nerve fiber tuning curves in cats. Sewell WF. **Hear Res** 1984 Jun;14(3):305-14

Taxol-induced neuropathy: further ultrastructural studies of nerve fibre changes in situ. Röytta M, et al. **J Neurocytol** 1985 Feb;14(1):157-75

Comparative evaluation of the effects of lidocaine (lignocaine) hydrochloride and salicylate on nervous and Purkinje fibres. Mitolo-Chieppa D, et al. **J Pharm Pharmacol** 1985 Jan;37(1):68-70

Effects of topical baclofen on C fibre-evoked neuronal activity in the rat dorsal horn. Dickenson AH, et al. **Neuroscience** 1985 Feb;14(2):557-62

Effects of chemical modification of amino groups by two different imidoesters on voltage-clamped nerve fibres of the frog. Rack M. **Pflugers Arch** 1985 May;404(2):126-30

The effect of capsaicin on C-fiber reflex and heat evoked discharge in the acute spinal cat. Matsumiya T, et al. **Tokai J Exp Clin Med** 1983 Nov;8(4):325-32

[Potential-dependent interaction of chemical reagents with the sodium channel gating mechanism in a nerve fiber] Mozhaeva GN, et al. **Neirofiziologiia** 1984;16(5):577-90 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Distribution of simple esterase in the nuclei and fiber tracts of the medulla oblongata of squirrel (Funambulus palmarum). Bhatt DK. **Acta Morphol Neerl Scand** 1984 Dec;22(4):279-87

Mechanism of activation of Na, K-ATPase in nerve fibres during rhythmic excitation. Maximov GV, et al. **Gen Physiol Biophys** 1985 Jun;4(3):279-85

Immunohistochemical demonstration of catecholaminergic cell bodies in the spinal cord of the rat. Preliminary note. Dietl M, et al. **Histochemistry** 1985;82(4):385-9

GROWTH & DEVELOPMENT

Development of the ipsilateral retinothalamic projection in the frog Xenopus laevis. II. Ingrowth of optic nerve fibers and production of ipsilaterally projecting retinal ganglion cells. Hoskins SG, et al. **J Neurosci** 1985 Apr;5(4):920-9

IMMUNOLOGY

Distribution of neurofilament-immunoreactive nerve fibers in human skin. Dalsgaard CJ, et al. **Histochemistry** 1984; 81(2):111-4

Bombesin/gastrin-releasing peptide (GRP)- and Met5-enkephalin-Arg6-Gly7-Leu8-like immunoreactivities in small intensely fluorescent (SIF) cells and nerve fibers of rat sympathetic ganglia. Helén P, et al. **J Histochem Cytochem** 1984 Nov;32(11):1131-8

Some immunological aspects of spinal cord traumatic lesions: an experimental research. Palladini G, et al. **J Neurosurg Sci** 1984 Jul-Dec;28(3-4):137-8

Innervation of the human pupillary sphincter muscle by nerve fibers immunoreactive to substance P. Tervo T, et al. **Ophthalmic Res** 1985;17(2):111-4

Vasoactive intestinal polypeptide (VIP)-immunoreactive nerve fibers in the anterior uvea of the guinea pig. Uusitalo H, et al. **Ophthalmic Res** 1985;17(4):235-40

METABOLISM

Immunocytochemistry of cerebellar astrocytomas: with a special note on Rosenthal fibres. Smith DA, et al. **Acta Neuropathol (Berl)** 1985;66(2):155-9

Diffusional delay in local anesthetic block in vitro. Fink BR, et al. **Anesthesiology** 1984 Nov;61(5):555-7

Changes in substance P- and neuropeptide Y-immunoreactive fibres in rat and guinea-pig irides following unilateral sympathectomy. Zhang SQ, et al. **Exp Eye Res** 1984 Sep;39(3):365-72

Histochemical demonstration of monoaminergic and cholinesterase-positive nerve fibres in regenerating rat submandibular gland autografts. O'Dell NL, et al. **Histochem J** 1985 Jun;17(6):665-74

Substance P-like immunoreactivity in adrenal chromaffin cells and intra-adrenal nerve fibers of rats. Kuramoto H, et al. **Histochemistry** 1985;82(6):507-12

Antibody against nerve growth factor-inducible large external (NILE) glycoprotein labels nerve fiber tracts in the developing rat nervous system. Stallcup WB, et al. **J Neurosci** 1985 Apr;5(4):1090-101

Release of adenosine, inosine and hypoxanthine from rabbit non-myelinated nerve fibres at rest and during activity. Maire JC, et al. **J Physiol (Lond)** 1984 Dec;357:67-77

Distribution and vasomotor effects of peptide HI (PHI) in feline cerebral blood vessels in vitro and in situ. Edvinsson L, et al. **Regul Pept** 1985 Apr;10(4):345-56

Neuropeptide Y-like immunoreactivity in perivascular nerve fibres of the guinea-pig. Uddman R, et al. **Regul Pept** 1985 Mar;10(2-3):243-57

Peptide-containing nerves in human urinary bladder. Gu J, et al. **Urology** 1984 Oct;24(4):353-7

[Changes in the permeability of nerve fiber membranes during the initiation of lipid peroxidation] Revin VV, et al. **Biofizika** 1985 Mar-Apr;30(2):278-80 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The frequency of perineurial ductules in vasitis nodosa. Balogh K, et al. **Am J Clin Pathol** 1984 Dec;82(6):710-3

Neurotropic malignant melanoma and other neurotropic neoplasms in the skin. Ackerman AB, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:63-80

Nerves and neurotropic carcinomas. Batsakis JG. **Ann Otol Rhinol Laryngol** 1985 Jul-Aug;94(4 Pt 1):426-7

Visual field and retinal nerve fiber layer comparisons in glaucoma. Airaksinen PJ, et al. **Arch Ophthalmol** 1985 Feb; 103(2):205-7

Neuroretinal rim area and retinal nerve fiber layer in glaucoma. Airaksinen PJ, et al. **Arch Ophthalmol** 1985 Feb; 103(2):203-4

Evaluation of nerve fiber layer assessment. Sommer A, et al. **Arch Ophthalmol** 1984 Dec;102(12):1766-71

Neuropathology of chronic pancreatitis in humans. Keith RG, et al. **Can J Surg** 1985 May;28(3):207-11

Immunohistochemical studies of selected skin diseases and tumors using monoclonal antibodies to neurofilament and myelin proteins. Aso M, et al. **J Am Acad Dermatol** 1985 Jul;13(1):37-42

Plaque-like lesions in the basal forebrain in Alzheimer's disease. Jacobs RW, et al. **Neurosci Lett** 1985 May 23; 56(3):347-51

Proliferation of myometrial nerves in a patient with severe dysmenorrhea. Lerner EJ, et al. **RI Med J** 1985 Jun; 68(6):265-7

Nerve fiber loss and disparity of disc and field changes in glaucoma. Shaffer RN. **Trans New Orleans Acad Ophthalmol** 1985;:129-33

[Muscular hypertrophy in denervation: report of 2 cases with a histochemical and histometric study of normal and hypertrophic muscles] Werneck LC, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):251-61 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Differential effects of glucose and potassium lack in conduction block of myelinated and unmyelinated axons. Schimek F, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:447-51

Properties of renobulbar afferent fibers in rats. Knuepfer MM, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R113-9

Lobular distribution of visual climbing fiber responses in the cerebellum. Akaike T. **Brain Res** 1985 Feb 18; 327(1-2):359-61

The regulation of nerve fiber length by intercalated elongation and retraction. Campenot RB. **Brain Res** 1985 May;352(1):149-54

Potassium-induced contractures in crab (Callinectes danae) muscle fibers. Leal-Cardoso JH, et al. **Braz J Med Biol Res** 1984;17(2):203-8

Vagal chemoreflex coronary vasodilation evoked by stimulating pulmonary C-fibers in dogs. Clozel JP, et al. **Circ Res** 1985 Sep;57(3):450-60

Fiber groups in the dorsal psalterium of the guinea pig. Bartesaghi R. **Exp Neurol** 1985 Jun;88(3):500-14

Regeneration of taste buds by nongustatory nerve fibers. Dinger B, et al. **Exp Neurol** 1985 Jul;89(1):189-203

Topographic organization of fimbria-fornix fibers projecting to the lateral septum of rats: a single and field response analysis. Joëls M, et al. **Exp Neurol** 1985 Mar;87(3):474-86

Is fast fiber innervation responsible for increased acetylcholinesterase activity in reinnervating soleus muscles? Misulis KE, et al. **Exp Neurol** 1985 Jul; 89(1):204-12

Conduction velocity changes along lumbar primary afferent fibers in cats. Rindos AJ, et al. **Exp Neurol** 1984 Nov; 86(2):208-26

Representation of voice pitch in discharge patterns of auditory-nerve fibers. Miller MI, et al. **Hear Res** 1984 Jun; 14(3):257-79

Frequency threshold curves and simultaneous masking functions in single fibres of the guinea pig auditory nerve. Pickles JO. **Hear Res** 1984 Jun;14(3):245-56

Frequency threshold curves and simultaneous masking functions in high-threshold, broadly-tuned, fibres of the guinea pig auditory nerve. Pickles JO. **Hear Res** 1984 Oct; 16(1):91-9

Physiological properties of the electrically stimulated auditory nerve. II. Single fiber recordings. van den Honert C, et al. **Hear Res** 1984 Jun;14(3):225-43

Rapid and short-term adaptation in auditory nerve responses. Westerman LA, et al. **Hear Res** 1984 Sep;15(3):249-60

Suggestive evidence for a functional unit between mast cells and substance P fibers in the rat diaphragm and mesentery. Skofitsch G, et al. **Histochemistry** 1985;82(1):5-8

Human evoked potentials and C-fiber pain. Stowell H. **Int J Neurosci** 1985 May;26(3-4):219-24

Postnatal development of physiological responses in auditory nerve fibers. Dolan DF, et al. **J Acoust Soc Am** 1985 Aug; 78(2):544-54

Thresholds for primary auditory fibers using statistically defined criteria. Geisler CD, et al. **J Acoust Soc Am** 1985 Mar;77(3):1102-9

Pulmonary C-fibers reflexly increase secretion by tracheal submucosal glands in dogs. Schultz HD, et al. **J Appl Physiol** 1985 Mar;58(3):907-10

Distribution of somatic and visceral primary afferent fibres within the thoracic spinal cord of the cat. Cervero F, et al. **J Comp Neurol** 1984 Nov 20;230(1):88-98

The central projection of muscle afferent fibres to the lower medulla and upper spinal cord: an anatomical study in the cat with the transganglionic transport method. Nyberg G, et al. **J Comp Neurol** 1984 Nov 20;230(1):99-109

The characteristics of intradental sensory units and their responses to stimulation. Närhi MV. **J Dent Res** 1985 Apr; 64 Spec No:564-71

Paths taken sensory nerve fibres in aneural chick wing buds. Swanson GJ. **J Embryol Exp Morphol** 1985 Apr;86:109-24

Donor-recipient interconnections between giant nerve fibers in transplanted ventral nerve cords of earthworms. Vining EP, et al. **J Neurobiol** 1985 Jul;16(4):283-99

Heterogeneity of group Ia synapses on homonymous alpha-motoneurons as revealed by high-frequency stimulation of Ia afferent fibers. Collins WF 3d, et al. **J Neurophysiol** 1984 Nov;52(5):980-93

A dorsal spinal neural network in cat. III. Dynamic nonlinear analysis of responses to random stimulation of single type I cutaneous input fibers. Craig AD, et al. **J Neurophysiol** 1985 Apr;53(4):995-1015

Directional filter characteristics of optic nerve fibers in California ground squirrel (Spermophilus beecheyi). McCourt ME, et al. **J Neurophysiol** 1984 Dec;52(6):1200-12

Spatial filter characteristics of optic nerve fibers in California ground squirrel (Spermophilus beecheyi). McCourt ME, et al. **J Neurophysiol** 1984 Dec;52(6):1181-99

Postnatal development of laminar innervation patterns by monoaminergic fibers in monkey (Macaca fascicularis) primary visual cortex. Foote SL, et al. **J Neurosci** 1984 Nov;4(11):2667-80

Efferent desensitization of auditory nerve fibre responses in the cochlea of the turtle Pseudemys scripta elegans. Art JJ, et al. **J Physiol (Lond)** 1984 Nov;356:507-23

Selective block of Y optic nerve fibres in the cat and the occurrence of inhibition in the lateral geniculate nucleus. Burke W, et al. **J Physiol (Lond)** 1985 Jul;364:81-92

C-fibre excitation and tonic descending inhibition of dorsal horn neurones in adult rats treated at birth with capsaicin. Cervero F, et al. **J Physiol (Lond)** 1985 Aug;365:223-37

Pharmacological evidence for L-aspartate as the neurotransmitter of cerebellar climbing fibres in the guinea-pig. Kimura H, et al. **J Physiol (Lond)** 1985 Aug; 365:103-19

Functional and topographical properties of field potentials evoked in rat dorsal horn by cutaneous C-fibre stimulation. Schouenborg J. **J Physiol (Lond)** 1984 Nov;356:169-92

Muscle but not cutaneous C-afferent input produces prolonged increases in the excitability of the flexion reflex in the rat. Wall PD, et al. **J Physiol (Lond)** 1984 Nov; 356:443-58

General solution of cable theory with both ends sealed. Ashida H. **J Theor Biol** 1985 Feb 21;112(4):727-40

Effect of ten different target tissues on nerve fibre outgrowth from rat sympathetic ganglia in organotypic co-cultures. Lahtinen T, et al. **Med Biol** 1984;62(3):189-97

Cerebellar cortex role of climbing fiber afferents. Ebner TJ. **Minn Med** 1985 Jul;68(7):546-9

Reinnervation after microsurgical repair of transected cauda equina fibres. An electromyographic study. Conzen M, et al. **Neurochirurgia (Stuttg)** 1985 Jan;28(1):6-7

Transient uncrossed corticospinal fibres in the newborn rat. Kato T, et al. **Neuropathol Appl Neurobiol** 1985 May-Jun; 11(3):171-8

Electrophysiologically recorded C-fiber reflexes in intact and acute decerebrate-spinal cats: absence of naloxone facilitation in intact cats. Bell JA, et al. **Neuropharmacology** 1985 Jun;24(6):555-9

Rare until proven otherwise [letter] Devor M. **Neurosci Lett** 1985 Apr 19;55(3):381-2

How rare are dichotomizing sensory fibres in peripheral nerves of warm blooded animals? [letter] Pierau FK, et al. **Neurosci Lett** 1985 Apr 19;55(3):379-80

Afferent fibers to the anterior suprasylvian gyrus from the medial geniculate body of cat. Rojik I, et al. **Neurosci Lett** 1984 Sep 28;51(1):43-6

The postnatal physiological and neurochemical development of peripheral sensory C fibres. Fitzgerald M, et al. **Neuroscience** 1984 Nov;13(3):933-44

Responses of single cutaneous fibers to noxious thermal pulse stimulation of cat upper hind limb. Li CY, et al. **Pain** 1985 Jan;21(1):17-24

Microneuronography and its relation to perceived sensation. A critical review. Wall PD, et al. **Pain** 1985 Mar; 21(3):209-29

Cold-sensitive mechanoreceptors with afferent C-fibres in the sheep duodenum. Cottrell DF. **Pflugers Arch** 1984 Dec; 402(4):454-7

Thin-fiber cutaneous innervation and its intraepidermal contribution studied by labeling methods and neurotoxin treatment in rats. Kruger L, et al. **Somatosens Res** 1985; 2(4):335-56

NEWARK PUBLIC LIBRA

The effects of morphine, naloxone and capsaicin on C-fiber reflex and heat evoked discharge in acute spinal cats. Matsumiya T, et al. **Tokai J Exp Clin Med** 1984 Mar; 9(1):13-20

[Voltage clamp in stimulatable membranes] Cai TD. **Sheng Li Ko Hsueh Chin Chan** 1985 Apr;16(2):146-9 (15 ref.) (Chi)

[Simulation of spontaneous discharge and short-term adaptation in acoustic nerve fibers] Bibikov NG, et al. **Biofizika** 1985 Jan-Feb;30(1):141-4 (Eng. Abstr.) (Rus)

[Mechanics of the excited nerve fiber] Malev VV, et al. **Dokl Akad Nauk SSSR** 1985;281(3):715-9 (Rus)

[Possible role of the molecular characteristics of sodium channel inactivation system of the nerve fiber in impulse coding] Gnetov AV, et al. **Fiziol Zh SSSR** 1985 Jan; 71(1):95-104 (Eng. Abstr.) (Rus)

[Analysis of the paradoxical stage of neural cathodal parabiosis (the reciprocal inhibition of adjacent fibers)] Matiushkin DP, et al. **Fiziol Zh SSSR** 1984 Oct; 70(10):1409-15 (Eng. Abstr.) (Rus)

[Correlation between the ipsi- and contralaterally directed nerve fibers from the C2 zone of the rat cerebral cortex] Kadantseva AG, et al. **Zh Evol Biokhim Fiziol** 1985 Mar-Apr;21(2):184-8 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Experimental study of vascularized nerve grafts: multifactorial analyses of axonal regeneration of nerves transplanted into an acute burn wound. Koshima I, et al. **J Hand Surg [Am]** 1985 Jan;10(1):64-72

ULTRASTRUCTURE

Unmyelinated fibers in the cervical and lumbar ventral roots of the cat. Wee BE, et al. **Am J Anat** 1985 Apr; 172(4):307-16

Degeneration of the greater splanchnic nerve by operation. Isomura G, et al. **Anat Anz** 1985;158(3):209-16

Nerve fiber caliber analysis in the mouse facial trunk distal to the stylomastoid foramen with the electron microscope. Shimozawa A, et al. **Anat Anz** 1984;157(2):113-26

Nerve fibers in the fetal organ of Corti. Scanning electron microscopic study. Hoshino T, et al. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):304-8

Raman spectroscopy of nerve fibers. A study of membrane lipids under steady state conditions. Pézolet M, et al. **Biophys J** 1985 Mar;47(3):367-72

Topographical anatomy of the posterior columns of the spinal cord in man. The long ascending fibres. Smith MC, et al. **Brain** 1984 Sep;107 (Pt 3):671-98

Neurogenesis of the climbing fibers in the human cerebellum: a Golgi study. Marin-Padilla M. **J Comp Neurol** 1985 May 1;235(1):82-96

Fibre order in the normal Xenopus optic tract, near the chiasma. Fawcett JW, et al. **J Embryol Exp Morphol** 1984 Oct;83:1-14

Histologic changes from local anesthetic injections [letter] Campbell RL. **J Oral Maxillofac Surg** 1985 Jun;43(6):401

Nerve fibers in trabecular meshwork surface. Sugita A, et al. **Jpn J Ophthalmol** 1984;28(3):248-53

Retinal nerve fiber layer photography in glaucoma. Airaksinen PJ, et al. **Ophthalmology** 1985 Jul;92(7):877-9

Ultrastructural organisation of intraepithelial nerves in the human airway tract. Laitinen A. **Thorax** 1985 Jul; 40(7):488-92

NERVE FIBERS, MYELINATED

[Morphometric analysis of diameter and density of myelinated and unmyelinated fibers of normal human sural nerves] Ohnishi A, et al. **Sangyo Ika Daigaku Zasshi** 1984 Dec 1;6(4):377-81 (Eng. Abstr.) (Jpn)

BLOOD SUPPLY

Experimental study of vascularized nerve grafts: morphometric study of axonal regeneration of nerves transplanted into silicone tubes. Koshima I, et al. **Ann Plast Surg** 1985 Mar;14(3):235-43

CYTOLOGY

Nerve fiber caliber analyses in the mouse ramus digastricus and rami stylohyoidei with the electron microscope. Shimozawa A, et al. **Anat Anz** 1985;158(1):87-108

Motor units of the human abductor digiti minimi. Santo Neto H, et al. **Arch Ital Anat Embriol** 1985 Jan-Mar;90(1):47-51

DRUG EFFECTS

Reversible abnormalities of the Hering Breuer reflex in acrylamide neuropathy. Satchell P. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):670-5

Effect of various cations and anions on the action of tetrodotoxin and saxitoxin on frog myelinated nerve fibers. Grissmer S. **Pflugers Arch** 1984 Dec;402(4):353-9

[Effects of metacaine and its decomposition products on the excitation mechanism of isolated myelinated nerve fibers] Sommer RG, et al. **Arzneimittelforsch** 1984;34(8):860-4 (Eng. Abstr.) (Ger)

GROWTH & DEVELOPMENT

Membrane ultrastructure of developing axons in glial cell deficient rat spinal cord. Black JA, et al. **J Neurocytol** 1985 Feb;14(1):79-104

METABOLISM

Potassium permeability in rat myelinated nerve fibres. Brismar T, et al. **Acta Physiol Scand** 1985 Jun;124(2):141-8

Diffusional delay in local anesthetic block in vitro. Fink BR, et al. **Anesthesiology** 1984 Nov;61(5):555-7

Comparison of the effects of Anemonia toxin II on sodium and gating currents in frog myelinated nerve. Neumcke B, et al. **Biochim Biophys Acta** 1985 Mar 28;814(1):111-9

Differential expression of gangliosides on the surfaces of myelinated nerve fibers. Ganser AL, et al. **J Neurosci Res** 1984;12(2-3):245-55

Behaviour of chemically modified sodium channels in frog nerve supports a three-state model of inactivation. Schmidtmayer J. **Pflugers Arch** 1985 May;404(1):21-8

PATHOLOGY

Spatial pattern of nerve fiber abnormality indicative of pathologic mechanism. Dyck PJ, et al. **Am J Pathol** 1984 Nov;117(2):225-38

The effect of sciatic nerve transection on myelinated fibers in the L5 dorsal root and lumbar dorsal column. A Marchi study in the rat. Aldskogius H, et al. **Anat Embryol (Berl)** 1985;171(2):181-6

The myelinated fibre content of human inferior alveolar nerves from dentate and edentulous subjects. Heasman PA. **J Dent** 1984 Dec;12(4):283-6

Combined scatter diagrams of sheath thickness and fibre calibre in human sural nerves: changes with age and neuropathy. Friede RL, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):749-56

PHYSIOLOGY

Differential effects of glucose and potassium lack in conduction block of myelinated and unmyelinated axons. Schimek F, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:447-51

The cochlear nerve in various forms of deafness. Ylikoski J, et al. **Acta Otolaryngol (Stockh)** 1984 Nov-Dec; 98(5-6):418-27

A comparison of two methods to measure the recovery of nerve fibre excitability. Borg J, et al. **Acta Physiol Scand** 1985 Feb;123(2):179-82

Bidirectional nerve refractory characteristics in simulations of direct and remote stimulation. Wood SL, et al. **IEEE Trans Biomed Eng** 1985 Jun;32(6):428-38

Aging effects on conduction velocities of myelinated and unmyelinated fibers of peripheral nerves. Sato A, et al. **Neurosci Lett** 1985 Jan 7;53(1):15-20

Depolarizing afterpotentials in myelinated axons of mammalian spinal cord. Blight AR, et al. **Neuroscience** 1985 May;15(1):1-12

Computer simulation of action potentials and afterpotentials in mammalian myelinated axons: the case for a lower resistance myelin sheath. Blight AR. **Neuroscience** 1985 May;15(1):13-31

PHYSIOPATHOLOGY

A note on the mechanism of resistance to anoxia and ischaemia in pathophysiological mammalian myelinated nerve. Ritchie JM. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):274-7

ULTRASTRUCTURE

Diameter of axons and thickness of myelin sheaths of the pyramidal tract fibres in the adult human medullary pyramid. Graf von Keyserlingk D, et al. **Anat Anz** 1984; 157(2):97-111

Nerve fiber caliber analysis in the mouse facial trunk distal to the stylomastoid foramen with the electron microscope. Shimozawa A, et al. **Anat Anz** 1984;157(2):113-26

Membrane architecture of myelinated nerve fibres in the human dental pulp studied by freeze-fracturing. Köling A. **Arch Oral Biol** 1985;30(2):121-8

Myelinated non-axonal neuronal elements in the feline olfactory bulb lack sites with a nodal structural differentiation. Remahl S, et al. **Brain Res** 1985 Jan 28; 325(1-2):1-11

Cytotic vesicles in myelinated nerve fibres in the human dental pulp, as demonstrated by freeze-fracturing. Köling A. **Cell Biol Int Rep** 1984 Sep;8(9):719

An analysis of the distribution of the myelinated nerve fibers in the optic fascicle of a beagle dog. Krinke A, et al. **Experientia** 1985 Apr 15;41(4):464-5

Morphology of central terminations of intra-axonally stained, large, myelinated primary afferent fibers from facial skin in the rat. Hayashi H. **J Comp Neurol** 1985 Jul 8; 237(2):195-215

Ultrastructural investigation on the myelinated fibres in toad medulla oblongata during metamorphosis. Del Grande P, et al. **J Hirnforsch** 1985;26(1):23-31

Organization of ion channels in the myelinated nerve fiber. Waxman SG, et al. **Science** 1985 Jun 28;228(4707):1502-7

NERVE GROWTH FACTORS

Studies on bioactive gangliosides: II. Requirement of ganglioside GD1a for prolonged GQ1b-driven nerve growth promotion in neuroblastoma cell lines. Arita M, et al. **J Neurosci Res** 1984;12(2-3):289-97

[Nerve growth factors] Amano T. **Nippon Rinsho** 1984 Apr; 42(4):931-46 (38 ref.) (Jpn)

ADMINISTRATION & DOSAGE

Capsaicin-induced inhibition of axoplasmic transport is prevented by nerve growth factor. Taylor DC, et al. **Cell Tissue Res** 1985;240(3):569-73

ANALYSIS

Biological sources of nerve growth factor. Murphy RA, et al. **Appl Neurophysiol** 1984;47(1-2):33-42 (42 ref.)

Neurite-promoting factors from embryonic neurons. Riopelle RJ, et al. **Brain Res** 1984 Aug;317(2):265-74

Immunocytochemical localization and concentrations of the alpha and gamma subunits of 7S-nerve growth factor in the submandibular gland of the mouse. Mowry MD, et al. **Cell Tissue Res** 1984;238(3):627-33

Levels of nerve growth factor and its mRNA in the central nervous system of the rat correlate with cholinergic innervation. Korsching S, et al. **EMBO J** 1985 Jun; 4(6):1389-93

The structure of murine 7S nerve growth factor: implications for biosynthesis. Isackson PJ, et al. **Int J Neurosci** 1985 Apr;26(1-2):95-108

Acquisition of submandibular gland nerve growth factor (SMG-NGF) responsiveness to thyroxine administration in neonatal mice. Lakshmanan J, et al. **J Neurosci Res** 1984; 12(1):71-85

Nerve growth factor. A structural relationship between its proteolytic and leukocyte-chemotactic active sites. Young M, et al. **Mol Cell Biochem** 1985 Feb;66(1):65-9

Nerve growth factor in three neurologically deficient mouse mutants. Ebendal T, et al. **Neurosci Lett** 1984 Sep 7; 50(1-3):121-6

Nerve growth factor supply for sensory neurons: site of origin and competition with the sympathetic nervous system. Korsching S, et al. **Neurosci Lett** 1985 Mar 15; 54(2-3):201-5

Laminin is associated with the 'neurite outgrowth-promoting factors' found in conditioned media. Lander AD, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2183-7

ANTAGONISTS & INHIBITORS

Lithium ion inhibits nerve growth factor-induced neurite outgrowth and phosphorylation of nerve growth factor-modulated microtubule-associated proteins. Burstein DE, et al. **J Cell Biol** 1985 Sep;101(3):862-70

Wheat germ agglutinin inhibits the effects of nerve growth factor on the phosphorylation of proteins in PC12h cells. Hashimoto S, et al. **J Neurochem** 1985 Sep;45(3):906-12

BIOSYNTHESIS

Biological and biochemical properties of nerve growth factor synthesized by mouse S-180 cells in culture. Kim IS, et al. **Exp Cell Res** 1985 Feb;156(2):391-404

GENETICS

A discordant sibship analysis between beta-NGF and neurofibromatosis. Darby JK, et al. **Am J Hum Genet** 1985 Jan;37(1):52-9

Mouse 7S nerve growth factor: complete sequence of a cDNA coding for the alpha-subunit precursor and its relationship to serine proteases. Isackson PJ, et al. **Biochemistry** 1984 Dec 4;23(25):5997-6002

Linkage relationships of the gene for the beta subunit of nerve growth factor (NGFB) with other chromosome 1 marker loci. Darby JK, et al. **Cytogenet Cell Genet** 1985; 39(2):158-60

Isolation of a cDNA clone coding for the gamma-subunit of mouse nerve growth factor using a high-stringency selection procedure. Ullrich A, et al. **DNA** 1984 Oct; 3(5):387-92

Genes for the alpha and gamma subunits of mouse nerve growth factor are contiguous. Evans BA, et al. **EMBO J** 1985 Jan;4(1):133-8

Serum and thyroid hormones T3 and T4 regulate nerve growth factor mRNA levels in mouse L cells. Wion D, et al. **FEBS Lett** 1985 Sep 9;189(1):37-41

Expression of the beta-nerve growth factor gene correlates with the density of sympathetic innervation in effector organs. Shelton DL, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7951-5

Chromosomal locations of the human and mouse genes for precursors of epidermal growth factor and the beta subunit of nerve growth factor. Zabel BU, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):469-73

Comparative analysis of mouse-human hybrids with rearranged chromosomes 1 by in situ hybridization and Southern blotting: high-resolution mapping of NRAS, NGFB, and AMY on human chromosome 1. Münke M, et al. **Somatic Cell Mol Genet** 1984 Nov;10(6):589-99

IMMUNOLOGY

[Monoclonal antibodies to the nerve tissue growth factor from Vipera lebetina venom] Saarma MIu, et al. **Dokl Akad Nauk SSSR** 1984;277(5):1267-9 (Rus)

ISOLATION & PURIFICATION

Neurite-promoting factors and extracellular matrix components accumulating in vivo within nerve regeneration chambers. Longo FM, et al. **Brain Res** 1984 Aug 20;309(1):105-17

Isolation and characterization of nerve growth factor from Vipera lebetina (snake) venom. Siigur E, et al. **Comp Biochem Physiol [B]** 1985;81(1):211-5

METABOLISM

Endocytosis of nerve growth factor by 'differentiated' PC12 cells studied by quantitative ultrastructural autoradiography. Stieber A, et al. **Brain Res** 1984 Sep 24; 310(2):223-34

Dispersed sensory ganglion cells cleave an active entity from nerve growth factor coupled to Sepharose. Khan AA, et al. **Cell Biochem Funct** 1983 Jul;1(2):84-6

Sialic acid residues on NGF receptors on PC12 cells. Vale RD, et al. **Dev Neurosci** 1985;7(1):55-64

Relationship between levels of nerve growth factor (NGF) and its messenger RNA in sympathetic ganglia and peripheral target tissues. Heumann R, et al. **EMBO J** 1984 Dec 20;3(13):3183-9

The spatial and temporal pattern of beta NGF receptor expression in the developing chick embryo. Raivich G, et al. **EMBO J** 1985 Mar;4(3):637-44

Association of 125I-nerve growth factor with PC12 pheochromocytoma cells. Evidence for internalization via high-affinity receptors only and for long-term regulation by nerve growth factor of both high- and low-affinity receptors. Bernd P, et al. **J Biol Chem** 1984 Dec 25; 259(24):15509-16

Properties of the nerve growth factor receptor. Relationship between receptor structure and affinity. Buxser S, et al. **J Biol Chem** 1985 Feb 10;260(3):1917-26

Molecular characteristics of nerve growth factor receptors on PC12 cells. Hosang M, et al. **J Biol Chem** 1985 Jan 10;260(1):655-62

Partial purification and characterization of a nerve growth factor-sensitive kinase and its substrate from PC12 cells. Togari A, et al. **J Biol Chem** 1985 Mar 25;260(6):3804-11

Selective destruction of nerve growth factor receptor-bearing cells in vitro using a hybrid toxin composed of ricin A chain and a monoclonal antibody against the nerve growth factor receptor. DiStefano PS, et al. **J Cell Biol** 1985 Sep;101(3):1107-14

Characterization of the binding properties and retrograde axonal transport of a monoclonal antibody directed against the rat nerve growth factor receptor. Taniuchi M, et al. **J Cell Biol** 1985 Sep;101(3):1100-6

Distribution of Nsp100 and Nsp100 kinase, a nerve growth factor-sensitive phosphorylation system, in rat tissues. Hama T, et al. **J Neurochem** 1985 Oct;45(4):1279-87

Treatment with 6-hydroxydopamine and colchicine decreases nerve growth factor levels in sympathetic ganglia and increases them in the corresponding target tissues. Korsching S, et al. **J Neurosci** 1985 Apr;5(4):1058-61

Immunohistochemical observation of EGF and NGF in submandibular glands after duct ligation with or without testosterone administration. Takai Y, et al. **J Oral Pathol** 1985 Apr;14(4):322-31

Assaying binding of nerve growth factor to cell surface receptors. Vale RD, et al. **Methods Enzymol** 1985;109:21-39

Immunohistochemical localization of endogenous nerve growth factor. Rush RA. **Nature** 1984 Nov 22-28; 312(5992):364-7

Developing dorsal root ganglion neurons require trophic support from their central processes: evidence for a role of retrogradely transported nerve growth factor from the central nervous system to the periphery. Yip HK, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6245-9

PHARMACODYNAMICS

The effect of nerve growth factor on developing primary sensory neurons of the trigeminal nerve in chick embryos. Straznicky C, et al. **Anat Embryol (Berl)** 1985;171(1):91-5

Nerve growth factor treatment does not prevent dorsal root ganglion cell death induced by target removal in chick embryos. Straznicky C, et al. **Anat Embryol (Berl)** 1985; 171(3):357-63

Histamine-release induced by 7S nerve-growth factor of mouse submandibular salivary glands. Sugiyama K, et al. **Arch Oral Biol** 1985;30(1):93-5

Tetanus toxin affects the K+-stimulated release of catecholamines from nerve growth factor-treated PC12 cells. Figliomeni B, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):249-56

The regulation of nerve fiber length by intercalated elongation and retraction. Campenot RB. **Brain Res** 1985 May;352(1):149-54

Parameters of neuritic growth from ciliary ganglion neurons in vitro: influence of laminin, schwannoma polyornithine-binding neurite promoting factor and ciliary neuronotrophic factor. Davis GE, et al. **Brain Res** 1985 Jan;349(1-2):75-84

Nerve growth factor counteracts the neurophysiological and neurochemical effects of chronic sciatic nerve section. Fitzgerald M, et al. **Brain Res** 1985 Apr 15;332(1):131-41

Nerve growth factor and dexamethasone specify the catecholaminergic phenotype of cultured rat chromaffin cells: dependence on developmental stage. Grothe C, et al. **Brain Res** 1985 Jul;353(1):125-32

Neuronotrophic factors: effects on central cholinergic regeneration in vivo. Schonfeld AR, et al. **Brain Res** 1985 Jun 17;336(2):297-301

Neuronotrophic and neurite-promoting factors: effects on early postnatal chromaffin cells from rat adrenal medulla. Unsicker K, et al. **Brain Res** 1985 Jan;349(1-2):117-29

Comparison of the effects of laminin and the polyornithine-binding neurite promoting factor from RN22 Schwannoma cells on neurite regeneration from cultured newborn and adult rat dorsal root ganglion neurons. Unsicker K, et al. **Brain Res** 1985 Jan;349(1-2):304-8

Nerve fiber production by intraocular adrenal medullary grafts: stimulation by nerve growth factor or sympathetic denervation of the host iris. Strömberg I, et al. **Cell Tissue Res** 1985;241(2):241-9

Embryonic rat adrenal glands in organ culture: effects of dexamethasone, nerve growth factor and its antibodies on pheochromoblast differentiation. Unsicker K, et al. **Cell Tissue Res** 1985;241(1):207-17

Potentiation of nerve growth factor-mediated nerve fiber production in organ cultures of chicken embryonic ganglia by ginseng saponins: structure--activity relationship. Takemoto Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug; 32(8):3128-33

Epidermal and nerve growth factors manifest antilipolytic and lipogenic activities in isolated rat adipocytes. Ng TB, et al. **Comp Biochem Physiol [B]** 1985;81(3):687-9

Nerve growth factor changes the relative levels of neuropeptides in developing sensory and sympathetic ganglia of the chick embryo. Hayashi M, et al. **Dev Biol** 1985 Mar;108(1):49-55

Nerve growth factor induces plasma extravasation in rat skin. Otten U, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):199-201

Triethanolamine, tris, hepes, and cytosine arabinoside show neuritogenic activity in cultured chick embryo ganglia. Sisken BF, et al. **Exp Neurol** 1985 Apr;88(1):27-43

The effect of nerve growth factor (NGF) on the catecholamine contents of two human pheochromocytomas in tissue culture. Pfragner R, et al. **Exp Pathol** 1984; 26(1):21-31

Nerve growth factor and other agents mediate phosphorylation and activation of tyrosine hydroxylase. A convergence of multiple kinase activities. McTigue M, et al. **J Biol Chem** 1985 Jul 25;260(15):9047-56

Nerve growth factor-induced increase in the cell-free phosphorylation of a nuclear protein in PC12 cells. Nakanishi N, et al. **J Biol Chem** 1985 Jun 25;260(12):7791-9

Synergistic effects of cyclic AMP and nerve growth factor on neurite outgrowth and microtubule stability of PC12 cells. Heidemann SR, et al. **J Cell Biol** 1985 Mar; 100(3):916-27

Nerve growth factor- and epidermal growth factor-stimulated phosphorylation of a PC12 cytoskeletally associated protein in situ. Landreth GE, et al. **J Cell Biol** 1985 Mar;100(3):677-83

The effect of transport system A and N amino acids and of nerve and epidermal growth factors on the induction of ornithine decarboxylase activity. Rinehart CA Jr, et al. **J Cell Physiol** 1985 Jun;123(3):435-41

Nerve growth factor induces neural differentiation in undifferentiated cell of early chick embryos. Lee HY, et al. **J Exp Zool** 1985 Jan;233(1):83-91

Ganglioside GM1 does not initiate, but enhances neurite regeneration of nerve growth factor-dependent sensory neurones. Doherty P, et al. **J Neurochem** 1985 Apr; 44(4):1259-65

Does phospholipid methylation play a role in the primary mechanism of action of nerve growth factor? Ferrari G, et al. **J Neurochem** 1985 Sep;45(3):853-9

Nerve growth factor affects cyclic AMP metabolism, but not by directly stimulating adenylate cyclase activity. Race HM, et al. **J Neurochem** 1985 May;44(5):1588-92

Nerve growth factor treatment enhances nicotine-stimulated dopamine release and increases in cyclic adenosine 3':5'-monophosphate levels in PC12 cell cultures. Baizer L, et al. **J Neurosci** 1985 May;5(5):1176-9

Small intensely fluorescent cells in culture: role of glucocorticoids and growth factors in their development and interconversions with other neural crest derivatives. Doupe AJ, et al. **J Neurosci** 1985 Aug;5(8):2143-60

Nerve growth factor-mediated induction of choline acetyltransferase in PC12 cells: evaluation of the site of action of nerve growth factor and the involvement of lysosomal degradation products of nerve growth factor. Heumann R, et al. **J Neurosci** 1984 Dec;4(12):3039-50

Nerve growth factor-treated, neurite-bearing PC12 cells continue to synthesize DNA. Ignatius MJ, et al. **J Neurosci** 1985 Feb;5(2):343-51

Cell surface Thy-1-cross-reactive glycoprotein in cultured PC12 cells: modulation by nerve growth factor and association with the cytoskeleton. Richter-Landsberg C, et al. **J Neurosci** 1985 Feb;5(2):468-76

The effects of nerve growth factor and its antiserum on the postnatal development and survival after injury of sensory neurons in rat dorsal root ganglia. Yip HK, et al. **J Neurosci** 1984 Dec;4(12):2986-92

Effects of tunicamycin on NGF binding and neurite outgrowth in PC12 cells. Baribault TJ, et al. **J Neurosci Res** 1985;14(1):49-60

Sensory neurite growth cone guidance by substrate adsorbed nerve growth factor. Gundersen RW. **J Neurosci Res** 1985; 13(1-2):199-212

Interaction of GM1 ganglioside with PC12 pheochromocytoma cells: serum- and NGF-dependent effects on neuritic growth (and proliferation). Katoh-Semba R, et al. **J Neurosci Res** 1984; 12(2-3):299-310

Dorsal root ganglia and nerve growth factor: a model for understanding the mechanism of GM1 effects on neuronal repair. Leon A, et al. **J Neurosci Res** 1984;12(2-3):277-87

Morphological properties and membrane channels of the growth cones induced in PC12 cells by nerve growth factor. O'Lague PH, et al. **J Neurosci Res** 1985; 13(1-2):301-21

Regulation of tyrosine hydroxylase phosphorylation in PC12 pheochromocytoma cells by elevated K+ and nerve growth factor. Evidence for different mechanisms of action. Lee KY, et al. **Mol Pharmacol** 1985 Aug;28(2):220-8

The effect of nerve growth factor and its antibodies on neurofilament protein expression in primary cultures of sensory and spinal neurons. Doherty P, et al. **Neurosci Lett** 1984 Sep 28;51(1):55-60

Monoclonal antibodies to tyrosine hydroxylase from rat pheochromocytoma PC12h cells with special reference to nerve growth factor-mediated increase of the immunoprecipitable enzymes. Hatanaka H, et al. **Neurosci Res** 1984 Aug;1(4):253-63

Nerve growth factor enhances central synaptic function of Ia sensory neurons. Kuno M, et al. **Neurosci Res** 1985 Apr; 2(4):275-80

Nerve growth factor increases choline acetyltransferase but not survival or fiber outgrowth of cultured fetal septal cholinergic neurons. Hefti F, et al. **Neuroscience** 1985 Jan; 14(1):55-68

Effect of nerve growth factor on intramuscular axons of neonatal mice. Hopkins WG, et al. **Neuroscience** 1984 Nov; 13(3):951-6

Regulation of acetylcholinesterase secretion from neuronal cell cultures.--1. Actions of nerve growth factor, cytoskeletal inhibitors and tunicamycin. Lucas CA, et al. **Neuroscience** 1985 Jan;14(1):349-60

Acetylcholine metabolism by cultured neurons from rat nodose ganglia: regulation by a macromolecule from muscle-conditioned medium. Mathieu C, et al. **Neuroscience** 1984 Dec;13(4):1373-86

The effect of alpha-latrotoxin on the neurosecretory PC12 cells differentiated by treatment with nerve growth factor. Saito I, et al. **Neuroscience** 1985 Apr;14(4):1163-74

Nerve growth factor rapidly induces ornithine decarboxylase mRNA in PC12 rat pheochromocytoma cells. Feinstein SC, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5761-5

Involvement of the nerve growth factor-inducible large external glycoprotein (NILE) in neurite fasciculation in primary cultures of rat brain. Stallcup WB, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1276-80

Neurotrophic factors and regeneration in the peripheral nervous system. Bijlsma WA, et al. **Psychoneuroendocrinology** 1984;9(3):199-215 (109 ref.)

Superinduction of c-fos by nerve growth factor in the presence of peripherally active benzodiazepines. Curran T, et al. **Science** 1985 Sep 20;229(4719):1265-8

Choline acetyltransferase activity in striatum of neonatal rats increased by nerve growth factor. Mobley WC, et al. **Science** 1985 Jul 19;229(4710):284-7

PHYSIOLOGY

Evidence for a role of endogenous nerve growth factor in the functional sex difference in the adrenergic innervation of the male and female mouse submandibular gland. Chen ZF, et al. **Brain Res** 1985 Feb 4;326(1):81-5

Transganglionic regulation of central terminals of dorsal root ganglion cells by nerve growth factor (NGF). Csillik B, et al. **Brain Res** 1985 Apr 1;331(1):11-5

Cortical transplants reveal CNS trophic interactions in situ. Haun F, et al. **Brain Res** 1984 Aug;317(2):290-4

Neurite formation modulated by nerve growth factor, insulin, and tumor promoter receptors. Ishii DN, et al. **Int J Neurosci** 1985 Apr;26(1-2):109-27

Characteristics of the nerve growth factor receptors and a nerve growth factor receptor--nerve growth factor covalent complex. Stach RW, et al. **Int J Neurosci** 1985 Apr;26(1-2):87-94

Tropic interactions between sympathetic nerves and vascular smooth muscle. Southwell BR, et al. **J Auton Nerv Syst** 1985 Aug;13(4):343-54

Role of nerve growth factor in the adult dorsal root ganglia neuron and its response to injury. Rich KM, et al. **J Comp Neurol** 1984 Nov 20;230(1):110-8

Nerve growth factor: a chemotactic factor for polymorphonuclear leukocytes in vivo. Boyle MD, et al. **J Immunol** 1985 Jan;134(1):564-8

Fast and slow nerve growth factor binding sites in human neuroblastoma and rat pheochromocytoma cell lines: relationship of sites to each other and to neurite formation. Sonnenfeld KH, et al. **J Neurosci** 1985 Jul;5(7):1717-28

Regulation of growth cone morphology by nerve growth factor: a comparative study by scanning electron microscopy. Connolly JL, et al. **J Neurosci Res** 1985; 13(1-2):183-98

Role of thyroid function on CNS regeneration. Tator CH. **J Neurosurg** Sci 1984 Jul-Dec;28(3-4):133-5

Central nervous system and peripheral nerve growth factor provide trophic support critical to mature sensory neuronal survival. Johnson EM Jr, et al. **Nature** 1985 Apr 25–May 1;314(6013):751–2

The influence of denervation and nerve growth factor on dorsal root axonal sprouting. Hulsebosch CE. **Prog Clin Biol Res** 1985;176:163–9

Molecular cloning of a gene sequence regulated by nerve growth factor. Levi A, et al. **Science** 1985 Jul 26; 229(4711):393–5

Neurotrophic factors. Thoenen H, et al. **Science** 1985 Jul 19;229(4710):238–42

Nerve growth factor: mechanism of action. Bradshaw RA, et al. **Symp Fundam Cancer Res** 1984;37:87–101 (61 ref.)

[Nerve growth factor] Hatanaka H. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1937–54 (242 ref.) **(Jpn)**

SECRETION

Cyclocytidine–induced release of nerve growth factor from mouse submandibular glands enhances regeneration of sympathetic fibers in adult mice. Aloe L, et al. **Brain Res** 1985 Apr 22;332(2):259–65

THERAPEUTIC USE

Neonatal brain damage and recovery: intraventricular injection of NGF at time of injury alters performance of active avoidance. Eclancher F, et al. **Brain Res** 1985 Apr; 351(2):227–35

Effects of nerve growth factor and its antibodies on sprouting of sensory axons following spinal cord hemisection. Hulsebosch CE, et al. **Brain Res** 1984 Dec 3;323(1):1–10

Protection from guanethidine–induced neuronal destruction by nerve growth factor: effect of NGF on immune function. Manning PT, et al. **Brain Res** 1985 Aug 5; 340(1):61–9

NERVE NET see under **NERVOUS SYSTEM**

NERVE REGENERATION

Optokinetic horizontal head nystagmus in the frog after regeneration of transected retinal fibres. Lázár G, et al. **Acta Biol Hung** 1983;34(4):371–83

Enzyme histochemical changes in retinal ganglion cells and the optic nerve after goldfish optic nerve lesion. A regenerative and hypertrophic phenomena study. Marani E, et al. **Acta Morphol Neerl Scand** 1984 Jul;22(2):97–114

Quantitation of the Schmidt–Lanterman incisures in juvenile, adult, remy-linated and regenerated fibres of the chicken sciatic nerve. Cooper NA, et al. **Acta Neuropathol (Berl)** 1984;64(3):251–8

Histochemical evidence of limited reinnervation of human corneal grafts. Tervo T, et al. **Acta Ophthalmol (Copenh)** 1985 Apr;63(2):207–14

Eye enucleation and regeneration of neural retina in axolotl larvae (Ambystoma mexicanum). Yew DT. **Anat Anz** 1985; 158(3):217–29

Human cutaneous mechanoreceptors during regeneration: physiology and interpretation. Mackel R. **Ann Neurol** 1985 Aug;18(2):165–72

Brain transplants: can they restore single unit activity in the hippocampus? Shapiro ML, et al. **Ann NY Acad Sci** 1985; 444:536–7

Experimental study of vascularized nerve grafts: morphometric study of axonal regeneration of nerves transplanted into silicone tubes. Koshima I, et al. **Ann Plast Surg** 1985 Mar;14(3):235–43

The nerve allograft response––an experimental model in the rat. Mackinnon SE, et al. **Ann Plast Surg** 1985 Apr; 14(4):334–9

Primary aberrant regeneration of the oculomotor nerve. Occurrence in a patient with abetalipoproteinemia. Cohen DA, et al. **Arch Neurol** 1985 Aug;42(8):821–3

A qualitative comparison of the reactions of retinal ganglion cell axons to optic nerve crush in neonatal and adult mice. Allcutt D, et al. **Brain Res** 1984 Nov;318(2):231–40

Cyclocytidine–induced release of nerve growth factor from mouse submandibular glands enhances regeneration of sympathetic fibers in adult mice. Aloe L, et al. **Brain Res** 1985 Apr 22;332(2):259–65

Sensory reinnervation of cat peroneus brevis muscle spindles after nerve crush. Barker D, et al. **Brain Res** 1985 Apr 29;333(1):131–8

Structure and function of fetal cortex implanted into degenerating peripheral nerve of adult rat. Bernstein JJ, et al. **Brain Res** 1984 Dec 24;324(2):243–51

The effect of a conditioning lesion on the regeneration rate of peripheral nerve axons containing substance P. Bisby MA, et al. **Brain Res** 1985 Jun 17;336(2):201–6

Removal of optic tectum prolongs the cell body reaction to axotomy in goldfish retinal ganglion cells. Burmeister DW, et al. **Brain Res** 1985 Feb 18;327(1–2):45–51

Association of basal lamina with peripheral axons elongating within the rat central nervous system. Crutcher KA, et al. **Brain Res** 1984 Aug 6;308(1):177–81

Reinnervation of the canine tooth pulp after section of the inferior alveolar nerve in the cat. Holland GR, et al. **Brain Res** 1985 Mar 11;329(1–2):300–3

Regeneration of axons in tributary nerves. Jenq CB, et al. **Brain Res** 1984 Sep 17;310(1):107–21

Numbers of regenerating axons in parent and tributary peripheral nerves in the rat. Jenq CB, et al. **Brain Res** 1985 Feb 4;326(1):27–40

Neurite–promoting factors and extracellular matrix components accumulating in vivo within nerve regeneration chambers. Longo FM, et al. **Brain Res** 1984 Aug 20;309(1):105–17

Properties of cutaneous mechanosensitive afferents during the early stages of regeneration in man. Mackel R, et al. **Brain Res** 1985 Mar 11;329(1–2):49–69

Axonal transport of actin and regeneration rate in non–myelinated sensory nerve fibres. McLean WG. **Brain Res** 1985 May 6;333(2):255–60

Stages of axonal regeneration following optic nerve crush in goldfish: contrasting effects of conditioning nerve lesions and intraocular acetoxycycloheximide injections. McQuarrie IG. **Brain Res** 1985 May 6;333(2):247–53

Target dependent and independent stages in regeneration. Mizrachi Y, et al. **Brain Res** 1984 Nov 19;322(1):115–8

Functional activity of rat brainstem neurons regenerating axons along peripheral nerve grafts. Munz M, et al. **Brain Res** 1985 Aug 5;340(1):115–25

Trophic capacity of experimentally lengthened gustatory axons. Oakley B, et al. **Brain Res** 1984 Nov;318(2):195–201

Tropic factors in reactive mammalian central nervous system tissue. Politis MJ. **Brain Res** 1985 Mar 4;328(2):277–81

Specificity in mammalian peripheral nerve regeneration at the level of the nerve trunk. Politis MJ. **Brain Res** 1985 Mar 4;328(2):271–6

Ventral rhizotomy enhances regeneration of uninjured sensory neurons. Rich KM, et al. **Brain Res** 1985 May 27; 335(1):182–7

Regenerating nerve fibres do not displace the collateral reinnervation of cat teeth. Robinson PP. **Brain Res** 1984 Sep 24;310(2):303–10

Evidence against a central stimulus for collateral reinnervation of oro–facial tissues in the cat. Robinson PP. **Brain Res** 1984 Nov 19;322(1):33–40

Lengthy regrowth of cut axons from ganglion cells after peripheral nerve transplantation into the retina of adult rats. So KF, et al. **Brain Res** 1985 Mar 4;328(2):349–54

Distribution of motor nerve sproutings in the mouse gastrocnemius muscle after partial denervation. Torigoe K. **Brain Res** 1985 Mar 25;330(2):273–82

Antiserum–induced growth of axons across lesions of the adult rat brain. Geisert EE, et al. **Brain Res Bull** 1985 Jul; 15(1):19–28

Plasticity of catecholaminergic neurons in aged rat brain: reinnervation and functional recovery after axotomy. Phelps CJ, et al. **Brain Res Bull** 1984 Dec;13(6):727–36

AChE–positive fiber growth after hippocampal fimbria transection and peripheral nerve homogenate implantation. Wendt JS. **Brain Res Bull** 1985 Jul;15(1):13–8

Proteins of fast axonal transport in the regenerating hypoglossal nerve of the rat. Redshaw JD, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1387–93

Fine structure of growth cones in the upper dorsal horn of the adult primate spinal cord in the course of reactive synapto–neogenesis. Knyihár–Csillik E, et al. **Cell Tissue Res** 1985;239(3):633–41

Transplantation of dopamine–containing tissues to the central nervous system. Hoffer B, et al. **Clin Neurosurg** 1983; 31:404–16

Intracerebral neural grafting in animal models of aging brain: strategies, rationale and preliminary results. Björklund A, et al. **Dan Med Bull** 1985 Feb;32 Suppl 1:35–9

Regeneration of central nervous system axons into an acellular tube in the absence of distal tissue. Azzam NA, et al. **Exp Neurol** 1985 Sep;89(3):634–44

Regeneration of taste buds by nongustatory nerve fibers. Dinger B, et al. **Exp Neurol** 1985 Jul;89(1):189–203

Regenerative capacity of retinal axons in the cat, rabbit, and guinea pig. Eysel UT, et al. **Exp Neurol** 1985 Jun; 88(3):757–66

Essentiality of a specific cellular terrain for growth of axons into a spinal cord lesion. Guth L, et al. **Exp Neurol** 1985 Apr;88(1):1–12

Transplantation of fetal rat cortex into regenerating nerve to the biceps femoris of adult rat. Hoovler DW, et al. **Exp Neurol** 1985 Aug;89(2):337–47

A conditioning lesion does not induce axonal regeneration in the optic nerve of the rat. Kiernan JA. **Exp Neurol** 1985 Jan;87(1):181–4

Nontoxic nerve guide tubes support neovascular growth in transected rat optic nerve. Madison R, et al. **Exp Neurol** 1984 Dec;86(3):448–61

A correlative study of internode proportions and sensitivity to procaine in regenerated frog sciatic nerves. Minwegen P, et al. **Exp Neurol** 1985 Jan;87(1):147–64

Is fast fiber innervation responsible for increased acetylcholinesterase activity in reinnervating soleus muscles? Misulis KE, et al. **Exp Neurol** 1985 Jul; 89(1):204–12

Electromyographic evaluation of a novel surgical preparation to enhance nerve–muscle specificity that follows mammalian peripheral nerve trunk transection. Politis MJ, et al. **Exp Neurol** 1985 Feb;87(2):326–33

Growth of optic tract axons in nerve grafts in hamsters. Stevenson JA. **Exp Neurol** 1985 Mar;87(3):446–57

Ornithine decarboxylase in motoneurons during regeneration. Tetzlaff W, et al. **Exp Neurol** 1985 Sep;89(3):679–88

Reinnervation of normal and dystrophic skeletal muscle. Yeagle SP, et al. **Exp Neurol** 1984 Oct;86(1):1–17

Regeneration of axonal endings of neuromuscular junctions of the soleus muscle in rats under conditions of hypodynamia. Marciniak M. **Exp Pathol** 1985;27(2):111–8

The contribution of neuroscience to exercise studies. Enoka RM, et al. **Fed Proc** 1985 Apr;44(7):2279–85 (49 ref.)

The reconnection of auditory posterior root fibers in the red–eared turtle, Chrysemys scripta elegans. Marbey D, et al. **Hear Res** 1984 Jul;15(1):89–94

Primary repair vs secondary repair in peripheral nerve graft––comparative, histological and statistical studies of nerve regeneration in common peroneal nerve of rat. Sugita T. **Hiroshima J Med Sci** 1984 Sep;33(3):475–85

Comparative neurophysiological assessments of nerve sutures performed by microsurgical methods and with fibrin glue: experimental study. Faldini A, et al. **Ital J Orthop Traumatol** 1984 Dec;10(4):527–32

A comparison of the response of specific sensory and noradrenergic afferents to enucleation–induced deafferentation of the mammalian superior colliculus. Rhoades RW. **J Am Osteopath Assoc** 1984 Sep;84(1 Suppl):111–8

Regeneration of the perineurium across a surgically induced gap in a nerve encased in a plastic tube. Scaravilli F. **J Anat** 1984 Oct;139 (Pt 3):411–24

A morphological study of glial cells in the hypoglossal nucleus of the cat during nerve regeneration. Cova JL, et al. **J Comp Neurol** 1985 Mar 22;233(4):421–8

Peripheral nerve grafts to the frog optic tectum: a morphological study of foreign axon regeneration in the central nervous system. Kaplan EI, et al. **J Comp Neurol** 1985 May 15;235(3):395–415

Regeneration of lumbar dorsal root axons into the spinal cord of adult frogs (Rana pipiens), an HRP study. Liuzzi FJ, et al. **J Comp Neurol** 1985 Feb 22;232(4):456–65

Optic axons ignore foreign denervated sites in goldfish tectum even after removal of some of their normal termination sites. Marotte LR. **J Comp Neurol** 1984 Dec 10; 230(3):426–36

The glial reaction in the course of axon regeneration: a stereological study of the rat hypoglossal nucleus. Reisert I, et al. **J Comp Neurol** 1984 Oct 10;229(1):121–8

The morphology of growth cones of regenerating optic nerve axons. Scalia F, et al. **J Comp Neurol** 1985 Jan 15; 231(3):323–38

Modification of fibrin matrix formation in situ enhances nerve regeneration in silicone chambers. Williams LR, et al. **J Comp Neurol** 1985 Jan 8;231(2):209–20

The response of denervated axolotl arms to delayed amputation. Wallace H. **J Embryol Exp Morphol** 1984 Dec; 84:303–7

Effects of growth hormone and triiodothyronine administration of the localization of 14C–D–glucose on regenerating sciatic nerve in rabbits. Kontoleon–Vakalopoulou E, et al. **J Endocrinol Invest** 1985 Apr;8(2):121–5

Experimental study of vascularized nerve grafts: multifactorial analyses of axonal regeneration of nerves transplanted into an acute burn wound. Koshima I, et al. **J Hand Surg [Am]** 1985 Jan;10(1):64–72

Axon regeneration and vascularisation of nerve grafts. An experimental study. McCullough CJ, et al. **J Hand Surg [Br]** 1984 Oct;9(3):323–7

Astroglial–axonal interrelationship during regeneration of the optic nerve in goldfish. A freeze–fracture study. Wolburg H, et al. **J Hirnforsch** 1984;25(5):493–504

Glial fibrillary acidic protein in regenerating teleost spinal cord. Anderson MJ, et al. **J Histochem Cytochem** 1984 Oct; 32(10):1099–106

Sprouting and functional regeneration of an identified serotonergic neuron following axotomy. Murphy AD, et al. **J Neurobiol** 1985 Mar;16(2):137–51

Axonal transport of polyamines in intact and regenerating axons of the rat sciatic nerve. Lindquist TD, et al. **J Neurochem** 1985 Jun;44(6):1913–9

Changes in protein content of goldfish optic nerve during degeneration and regeneration following nerve crush. Perry GW, et al. **J Neurochem** 1985 Apr;44(4):1142–51

Posttranslational protein modification by amino acid addition in intact and regenerating axons of the rat sciatic nerve. Zanakis MF, et al. **J Neurochem** 1984 Nov;43(5):1286–94

Axonal regeneration after crush injury of rat central nervous system fibres innervating peripheral nerve grafts. David S, et al. **J Neurocytol** 1985 Feb;14(1):1–12

Motor axon sprouting in frog sartorius muscles is not altered by contralateral axotomy. Herrera AA, et al. **J Neurocytol** 1985 Feb;14(1):145–56

Viability of retinal ganglion cells after optic nerve crush in adult rats. Misantone LJ, et al. **J Neurocytol** 1984 Jun; 13(3):449–65

The influence of distal environment on peripheral nerve regeneration across a gap. Scaravilli F. **J Neurocytol** 1984 Dec;13(6):1027–41

Degenerative and regenerative changes in the trochlear nerve of goldfish. Scherer SS, et al. **J Neurocytol** 1984 Aug; 13(4):519–65

Multiple axon terminals in reinnervated Pacinian corpuscles of adult rat. Zelená J. **J Neurocytol** 1984 Oct;13(5):665–84

Some effects of prolonged constriction on nerve regeneration in the rabbit. Krarup C, et al. **J Neurol Sci** 1985 Apr; 68(1):1–14

Stability of new electrical connections between adult Helisoma neurons is influenced by preexisting neuronal interactions. Bulloch AG, et al. **J Neurophysiol** 1984 Dec;

52(6):1094–105

Intracellular analysis of the innervation of a crayfish sensory interneuron by regenerating afferents. Strandburg RJ, et al. **J Neurophysiol** 1985 Aug;54(2):385–402

Critical periods for functional and anatomical compensation in lateral suprasylvian visual area following removal of visual cortex in cats. Tong L, et al. **J Neurophysiol** 1984 Nov;52(5):941–60

Injured neurons in the olfactory bulb of the adult rat grow axons along grafts of peripheral nerve. Friedman B, et al. **J Neurosci** 1985 Jun;5(6):1616–25

Rapid mobility of motile varicosities and inclusions containing alpha-spectrin, actin, and calmodulin in regenerating axons in vitro. Koenig E, et al. **J Neurosci** 1985 Mar;5(3):715–29

Regeneration of axons and synaptic connections by touch sensory neurons in the leech central nervous system. Macagno ER, et al. **J Neurosci** 1985 Sep;5(9):2510–21

Regeneration of sensory-motor synapses in the spinal cord of the bullfrog. Sah DW, et al. **J Neurosci** 1984 Nov;4(11):2784–91

Dissociated neurons regenerate into sciatic but not optic nerve explants in culture irrespective of neurotrophic factors. Schwab ME, et al. **J Neurosci** 1985 Sep;5(9):2415–23

Specific changes in axonally transported proteins during regeneration of the frog (Xenopus laevis) optic nerve. Szaro BG, et al. **J Neurosci** 1985 Jan;5(1):192–208

Evidence of functional mossy fiber sprouting in hippocampal formation of kainic acid-treated rats. Tauck DL, et al. **J Neurosci** 1985 Apr;5(4):1016–22

Calcium dependence of membrane sealing at the cut end of the cockroach giant axon. Yawo H, et al. **J Neurosci** 1985 Jun;5(6):1626–32

A new transorbital surgical approach to the rabbit's optic nerve. Solomon A, et al. **J Neurosci Methods** 1985 Jan;12(3):259–62

Synthesis of myelin proteins and ultrastructural investigations in regenerating rat sciatic nerve. Alberghina M, et al. **J Neurosci Res** 1985;13(4):551–62

Barium action potentials in regenerating axons of the lamprey spinal cord. MacVicar BA, et al. **J Neurosci Res** 1985;13(1–2):323–35

Ganglioside changes in the regenerating goldfish optic system: comparison with glycoproteins and phospholipids. Sbaschnig-Agler M, et al. **J Neurosci Res** 1984;12(2–3):221–32

Antibodies to gangliosides inhibit goldfish optic nerve regeneration in vivo. Sparrow JR, et al. **J Neurosci Res** 1984;12(2–3):233–43

The role of astrocytes in CNS regeneration. Bignami A. **J Neurosurg Sci** 1984 Jul–Dec;28(3–4):127–32 (34 ref.)

Experimental model of nervous anastomosis between intercostal and lumbar nerves in the rabbit. de Divitiis E, et al. **J Neurosurg Sci** 1984 Jul–Dec;28(3–4):153–6

Role of thyroid function on CNS regeneration. Tator CH. **J Neurosurg Sci** 1984 Jul–Dec;28(3–4):133–5

Changes in capillary distribution in rat fast muscles following nerve crush and reinnervation. Large J, et al. **J Physiol (Lond)** 1985 May;362:13–21

Innervation of syngeneic vein grafts in the rat. The regeneration of adrenergic nerves. Waris T, et al. **J Surg Res** 1984 Dec;37(6):472–8

Can severe spinal nerve injury be repaired? [letter] Vorstman B, et al. **JAMA** 1985 Jul 5;254(1):55

The regenerate nervous system [editorial] **Lancet** 1985 May 18;1(8438):1137–8

Empty perineurial tube graft used to repair a digital nerve: a first case report. Restrepo Y, et al. **Microsurgery** 1985;6(2):73–7

Is the architecture of astrocytic membrane crucial for axonal regeneration in the central nervous system? Wolburg H, et al. **Naturwissenschaften** 1984 Sep;71(9):484–5

Neurobehavioral evaluation of function following experimental nerve damage. de Medinaceli L, et al. **Neurobehav Toxicol Teratol** 1984 Nov–Dec;6(6):415–7

Myelination process in the rat sciatic nerve during regeneration and development: molecular species composition and acyl group biosynthesis of choline-, ethanolamine-, and serine-glycerophospholipids of myelin fractions. Alberghina M, et al. **Neurochem Res** 1984 Jul;9(7):887–902

Reinnervation after microsurgical repair of transected cauda equina fibres. An electromyographic study. Conzen M, et al. **Neurochirurgia (Stuttg)** 1985 Jan;28(1):6–7

Process of neurite formation in culture—as a model for nerve regeneration. Inoue H, et al. **Neurol Med Chir (Tokyo)** 1984 Jul;24(7):459–65

Dorsal root innervation of spinal cord neurons after dorsal root implantation into the spinal cord of adult rats. Carlstedt T. **Neurosci Lett** 1985 Apr 19;55(3):343–8

Regrowth of cholinergic and catecholaminergic neurons along a peripheral and central nervous pathway. Carlstedt T. **Neuroscience** 1985 Jun;15(2):507–18

Specialized neuroglial arrangement may explain the capacity of vomeronasal axons to reinnervate central neurons. Raisman G. **Neuroscience** 1985 Jan;14(1):237–54

Stroboscopic illumination and dark rearing block the sharpening of the regenerated retinotectal map in goldfish. Schmidt JT, et al. **Neuroscience** 1985 Feb;14(2):535–46

Peripheral nerve allograft: an assessment of regeneration across pretreated nerve allografts. Mackinnon SE, et al. **Neurosurgery** 1984 Nov;15(5):690–3

Temporal course of motor recovery after Brown-Sequard spinal cord injuries. Little JW, et al. **Paraplegia** 1985 Feb;23(1):39–46

In vitro and in vivo studies on development and regeneration of vasopressin neurons. Scharoun SL, et al. **Peptides (Fayetteville)** 1984·5 Suppl 1:157–67

Histologic assessment of nerve regeneration in the rat. Mackinnon SE, et al. **Plast Reconstr Surg** 1985 Mar;75(3):384–8

Nerve regeneration through a pseudosynovial sheath in a primate model. Mackinnon SE, et al. **Plast Reconstr Surg** 1985 Jun;75(6):833–41

Peptides from regenerating central nervous system promote specific populations of macroglia. Giulian D, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4287–90

Substances originating from the optic nerve of neonatal rabbit induce regeneration-associated response in the injured optic nerve of adult rabbit. Hadani M, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7965–9

Transplants of Schwann cell cultures promote axonal regeneration in the adult mammalian brain. Kromer LF, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6330–4

Directed regrowth of axons from a misrouted nerve to their correct muscles in the limb of the adult newt. Holder N, et al. **Proc R Soc Lond [Biol]** 1984 Oct 22;222(1229):477–89

Innervation of syngeneic vein grafts in the rat. The regeneration of cholinesterase positive nerves. Waris T, et al. **Scand J Plast Reconstr Surg** 1984;18(2):181–5

Regeneration of functional synapses between individual recognizable neurons in the lamprey spinal cord. Mackler SA, et al. **Science** 1985 Aug 23;229(4715):774–6

A specific 37,000-dalton protein that accumulates in regenerating but not in nonregenerating mammalian nerves. Müller HW, et al. **Science** 1985 Apr 26;228(4698):499–501

Regenerating fish optic nerves and a regeneration-like response in injured optic nerves of adult rabbits. Schwartz M, et al. **Science** 1985 May 3;228(4699):600–3

Impulse activity evokes precocious sprouting of nociceptive nerves into denervated skin. Nixon BJ, et al. **Somatosens Res** 1984;2(2):97–126

Absence of intraspinal sprouting in dorsal root axons caudal to a partial spinal hemisection: a horseradish peroxidase transport study. Rodin BE, et al. **Somatosens Res** 1984;2(2):171–92

Reinnervation of the endocrine pancreas after autotransplantation of pancreatic fragments in the spleen of the dog: a morphofunctional study. Madureira ML, et al. **World J Surg** 1985 Apr;9(2):335–47

[Nerve regeneration through a venous graft in the rat. Preliminary results] Godard J, et al. **Neurochirurgie** 1984;30(6):407–16 (Eng. Abstr.) **(Fre)**

[Results following surgical therapy of injuries of the inferior alveolar, lingual and facial nerves] Schmelzle R. **Fortschr Kiefer Gesichtschir** 1985;30:59–61 **(Ger)**

[Sweating-related tears—a new syndrome?] Vollrath M. **HNO** 1984 Nov;32(11):476–8 (Eng. Abstr.) **(Ger)**

[The recovery of motor innervation during treatment with ethanol] Bruno C, et al. **Boll Soc Ital Biol Sper** 1984 Jul 31;60(7):1447–52 (Eng. Abstr.) **(Ita)**

[Clinical study of cross-reinnervation in obstetrical paralysis] Yagi I. **Nippon Seikeigeka Gakkai Zasshi** 1984 Aug;58(8):761–78 (Eng. Abstr.) **(Jpn)**

[Oculomotor nerve anastomosis: an experimental study in the dog] Saitoh K. **No Shinkei Geka** 1984 Nov;12(12):1359–66 (Eng. Abstr.) **(Jpn)**

[Case of cerebral aneurysm producing the aberrant regeneration of the oculomotor nerve] Watanabe A, et al. **No To Shinkei** 1984 Aug;36(8):743–7 (Eng. Abstr.) **(Jpn)**

[A case of primary aberrant oculomotor regeneration due to intracavernous aneurysm] Mori M, et al. **Rinsho Shinkeigaku** 1984 Aug;24(8):765–8 (Eng. Abstr.) **(Jpn)**

[Histological, histochemical and electron-microscopic study of muscles, endplates and intramuscular nerves in experimental reinnervation] Nakano Y, et al. **Rinsho Shinkeigaku** 1984 May;24(5):476–86 (Eng. Abstr.) **(Jpn)**

[Biochemical study of experimental peripheral neuropathy. The sequence of changes of peripheral nerve protein in Wallerian degeneration and regeneration] Shimizu Y. **Rinsho Shinkeigaku** 1984 Sep;24(9):872–9 (Eng. Abstr.) **(Jpn)**

[Reorganization and regeneration of neuronal circuitry in the central nervous system] Kawaguchi S. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1566–77 (59 ref.) **(Jpn)**

[Dystrophic and compensatory regenerative processes in the cortical neurons after hypoxia and the transplantation of embryonic nerve tissue in rats] Polezhaev LV, et al. **Dokl Akad Nauk SSSR** 1985;282(3):712–6 **(Rus)**

[Nerve regeneration in the rabbit with the use of different types of microsurgical nerve sutures] Akoev GN, et al. **Patol Fiziol Eksp Ter** 1985 May–Jun;(3):74–7 (Eng. Abstr.) **(Rus)**

[Use of combined electric stimulation in experimental injury of nerve trunks] Laskov VB. **Patol Fiziol Eksp Ter** 1984 Nov–Dec;(6):23–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of GM1 ganglioside treatment on the recovery of dopaminergic nigro-striatal neurons after different types of lesion. Toffano G, et al. **Acta Physiol Scand** 1984 Nov;122(3):313–21

Further studies on the effects of the GM1 ganglioside on the degenerative and regenerative features of mesostriatal dopamine neurons. Agnati LF, et al. **Acta Physiol Scand [Suppl]** 1984;532:37–44

Effect of gangliosides on nerve regeneration in rats. Mengs U, et al. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):315–23

Neuronotrophic factors: effects on central cholinergic regeneration in vivo. Schonfeld AR, et al. **Brain Res** 1985 Jun 17;336(2):297–301

Comparison of the effects of laminin and the polyornithine-binding neurite promoting factor from RN22 Schwannoma cells on neurite regeneration from cultured newborn and adult rat dorsal root ganglion neurons. Unsicker K, et al. **Brain Res** 1985 Jan;349(1–2):304–8

Enhanced acetylcholinesterase staining in hippocampal area CA3 after lesion of granule cells by infusion of colchicine. Drust EG, et al. **Brain Res Bull** 1985 Jan;14(1):9–14

GM1 ganglioside does not stimulate reinnervation of the striatum by substantia nigra grafts. Freed WJ. **Brain Res Bull** 1985 Jan;14(1):91–5

Responsiveness of hypoglossal neurons to testosterone in pre-pubertal rats. Yu WH. **Brain Res Bull** 1984 Nov;13(5):667–72

Effects of triiodothyronine and propylthiouracil on regeneration of catecholaminergic nerve terminals in the paraventricular hypothalamic nucleus of the adult rat. Hoovler DW, et al. **Exp Neurol** 1985 Jul;89(1):123–33

Increased rate of peripheral nerve regeneration using bioresorbable nerve guides and a laminin-containing gel. Madison R, et al. **Exp Neurol** 1985 Jun;88(3):767–72

Triethanolamine, tris, hepes, and cytosine arabinoside show neuritogenic activity in cultured chick embryo ganglia. Sisken BF, et al. **Exp Neurol** 1985 Apr;88(1):27–43

Ganglioside GM1 does not initiate, but enhances neurite regeneration of nerve growth factor-dependent sensory neurones. Doherty P, et al. **J Neurochem** 1985 Apr;44(4):1259–65

Failure to promote spinal cord regeneration in rats with immunosuppressive treatment [letter] Feringa ER, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):723–5

Promotion of sprouting and synaptogenesis of cerebrofugal fibers by ganglioside application in the red nucleus. Fujito Y, et al. **Neurosci Res** 1985 Jun;2(5):407–11

Acetylcholine-sensitivity and local regenerative activity in denervated frog slow muscle fibres. Lehouelleur J, et al. **Pflugers Arch** 1984 Sep;402(1):88–93

Neurotrophic factors and regeneration in the peripheral nervous system. Bijlsma WA, et al. **Psychoneuroendocrinology** 1984;9(3):199–215 (109 ref.)

Comparative neurotoxicity of tubulin-binding drugs: inhibition of goldfish optic nerve regeneration. Davis RE, et al. **Toxicol Appl Pharmacol** 1985 Sep 15;80(2):308–15

[Effect of ethanol on young nerve endings] Bruno C, et al. **Boll Soc Ital Biol Sper** 1985 Feb 28;61(2):255–7 (Eng. Abstr.) **(Ita)**

[Recovery of sensation and reflex activity during treatment with ethanol] Bruno C, et al. **Boll Soc Ital Biol Sper** 1985 Feb 28;61(2):259–62 (Eng. Abstr.) **(Ita)**

[Spontaneous activation of regenerated motor axons in the presence of ethanol] Bruno C, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):743–5 (Eng. Abstr.) **(Ita)**

RADIATION EFFECTS

Effect of ionising radiation on the axon reaction of mouse anterior horn motor neurons. A histological and immunocytochemical study using a monoclonal antibody to neurofilament protein. Moss TH, et al. **J Neurol Sci** 1985 Jan;67(1):1–14

NERVE TISSUE

A black flexible support with excellent optic qualities for microdissection of nerve tissues [letter] Mena R, et al. **J Neurosci Methods** 1984 Sep;11(4):291–2

ANALYSIS

Computer programs for calibrating control electrode voltages and for conditioning working electrodes for a neurochemical voltammetry system. Abraham F, et al. **Int J Biomed Comput** 1984 Sep–Oct;15(5):357–69

Determination of neurotransmitter systems in human cerebrospinal fluid and rat nervous tissue by high-performance liquid chromatography with on-line data evaluation. Honegger CG, et al. **J Chromatogr** 1984 Jul 13;309(1):53–61

Measurement and chromatographic characterization of vasoactive intestinal peptide from guinea-pig enteric nerves. Murphy R, et al. **J Chromatogr** 1984 Dec 7;336(1):41–50

Insect cardioactive peptides. I. Distribution and molecular characteristics of two cardioacceleratory peptides in the tobacco hawkmoth, Manduca sexta. Tublitz NJ, et al. **J Exp Biol** 1985 Jan;114:365–79

ANATOMY & HISTOLOGY

A new technique for differential and simultaneous staining of nerve cells and fibers. Tolivia J, et al.

NEWARK PUBLIC LIBRA

J Neurosci Methods 1985 May;13(3-4):305-11

BLOOD SUPPLY

[Ultrastructure of the capillaries of nerve tissue transplants growing in the anterior chamber of the eye] Zhuravleva ZN, et al. **Arkh Anat Gistol Embriol** 1985 Jan;88(1):34-40 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Immunocytochemical characterisation of cell cultures grown from dissociated 1-2-day post-natal rat cerebral tissue. A developmental study. Walker AG, et al. **J Neuroimmunol** 1984 Nov;7(1):1-20

DRUG EFFECTS

An ultrastructural study of methyl ethyl ketone's effect on cultured nerve tissues. Veronesi B. **Neurotoxicology (Park Forest II)** 1984 Winter;5(4):31-43

The effects of valproate and phenytoin on the cAMP and cGMP levels in nervous tissue. Nosek TM. **Proc Soc Exp Biol Med** 1985 Feb;178(2):196-9

IMMUNOLOGY

Shared antigenic determinants between human hemopoietic cells and nervous tissues and tumors. Budka H, et al. **Acta Neuropathol (Berl)** 1985;67(1-2):58-66

Occurrence of IgA subclasses (IgA1 and IgA2) in the human nervous system. Correlation with disease. Budka H, et al. **Int Arch Allergy Appl Immunol** 1985;76(2):107-15

Monoclonal antibodies which distinguish certain classes of neuronal and supporting cells in the nervous tissue of the nematode Caenorhabditis elegans. Okamoto H, et al. **J Neurosci** 1985 Mar;5(3):643-53

A monoclonal antibody directed against an opiate binding site in rat neural membranes. Bidlack JM, et al. **Neuropeptides** 1984 Dec;5(1-3):225-8

METABOLISM

Lipofuscin accumulation and its prevention by vitamin E in nervous tissue: quantitative analysis using snail buccal ganglia as a simple model system. Winstanley EK, et al. **Mech Ageing Dev** 1985 Mar;29(3):299-307

Atypical nonketotic hyperglycinemia with a defective glycine transport system in nervous tissue. Mayor F Jr, et al. **Neurochem Pathol** 1984-85 Winter;2(4):233-49

PHYSIOLOGY

Regeneration of the perineurium across a surgically induced gap in a nerve encased in a plastic tube. Scaravilli F. **J Anat** 1984 Oct;139 (Pt 3):411-24

TRANSPLANTATION

Observation of cultured peripheral non-neuronal cells implanted into the transected spinal cord. Wrathall JR, et al. **Acta Neuropathol (Berl)** 1984;64(3):203-12

Proceedings of the colloquium on the use of embryonic cell transplantation for correction of CNS disorders. Chestnut Hill, Mass., June 27-29, 1983. **Appl Neurophysiol** 1984;47(1-2):1-76

Legal implications of the use of embryonic cells for transplants. Carnahan WA. **Appl Neurophysiol** 1984;47(1-2):69-72

Embryonic brain grafts in an animal model of Parkinson's disease. Criteria for human application. Freed WJ, et al. **Appl Neurophysiol** 1984;47(1-2):16-22

Use of embryonic cell transplantation for correction of CNS disorders. Gildenberg PL, et al. **Appl Neurophysiol** 1984;47(1-2):5-8

Transplantation of embryonic rat spinal cord of neocortex into the intact or lesioned adult spinal cord. Hallas BH. **Appl Neurophysiol** 1984;47(1-2):43-50

Brain tissue transplantation research. Harris EW, et al. **Appl Neurophysiol** 1984;47(1-2):9-15

Moral perspectives in the use of embryonic cell transplantation for correction of nervous system disorders. Murphy PJ. **Appl Neurophysiol** 1984;47(1-2):65-8

Ethics in medical donations. Neville RC. **Appl Neurophysiol** 1984;47(1-2):73-6

Transplantation of nerve tissue into brain. Reif AE. **Appl Neurophysiol** 1984;47(1-2):23-32

Monitoring of cell viability in suspensions of embryonic CNS tissue and its use as a criterion for intracerebral graft survival. Brundin P, et al. **Brain Res** 1985 Apr 8;331(2):251-9

Responses of host motor and sensory neurons to a neural tube implant in amputated chick limbs. Sisken BF, et al. **Brain Res** 1985 Apr;351(2):245-52

Intracerebral grafting of embryonic neural cells into the adult host brain: an overview of the cell suspension method and its application. Gage FH, et al. **Dev Neurosci** 1983-84;6(3):137-51 (44 ref.)

Lateral antebrachial cutaneous nerve as as a graft for digital nerve [letter] Ettelson CD. **J Hand Surg [Am]** 1984 Sep;9(5):767

Donor-recipient interconnections between giant nerve fibers in transplanted ventral nerve cords of earthworms. Vining EP, et al. **J Neurobiol** 1985 Jul;16(4):283-99

Restoration of sensory and motor function in earthworm escape reflex pathways following ventral nerve cord transplantation. Vining EP, et al. **J Neurobiol** 1985 Jul;16(4):301-15

The threshold quantity of nerve required to induce limb regeneration in the chick embryo. Sisken BF, et al. **J Neurosci Res** 1984;12(4):623-32

Response of amputated rat limbs to fetal nerve tissue implants and direct current. Sisken BF, et al. **J Orthop Res** 1984;2(2):177-89

Empty perineurial tube graft used to repair a digital nerve: a first case report. Restrepo Y, et al. **Microsurgery** 1985;6(2):73-7

Comments on review by D.M. Gash, T.J. Collier and J.R. Sladek. **Neurobiol Aging** 1985 Summer;6(2):151-74

Neural tissue grafts and repair of the injured spinal cord. Reier PJ. **Neuropathol Appl Neurobiol** 1985 Mar-Apr;11(2):81-104 (115 ref.)

[Dystrophic and compensatory regenerative processes in the cortical neurons after hypoxia and the transplantation of embryonic nerve tissue in rats] Polezhaev LV, et al. **Dokl Akad Nauk SSSR** 1985;282(3):712-6 **(Rus)**

[Problems in transplantation into the central nervous system of mammals] Vinogradova OS. **Zh Vyssh Nerv Deiat** 1985 Jan-Feb;35(1):132-8 **(Rus)**

ULTRASTRUCTURE

Intermediate filaments in nervous tissue. Dahl D, et al. **Cell Muscle Motil** 1985;6:75-96 (153 ref.)

Central and peripheral neurosecretory pathways to an insect flight motor nerve. Wasserman AJ. **J Neurobiol** 1985 Jul;16(4):329-46

[Electron microscopic-cytochemical study of succinate dehydrogenase activity of nerve tissue cells of human embryos in vitro] Rubleva ZIa. **Tsitologiia** 1985 Jun;27(6):652-5 (Eng. Abstr.) **(Rus)**

NERVE TISSUE PROTEIN S 100

ANALYSIS

S-100 protein in carcinoid tumours of appendix. Wilander E, et al. **Acta Neuropathol (Berl)** 1985;66(4):306-10

Ultrastructure of cartilaginous tumors and S-100 protein in the tumors. With reference to the histogenesis of chondroblastoma, chondromyxoid fibroma and mesenchymal chondrosarcoma. Ushigome S, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1285-300

S-100 protein in melanocytic tumors. An immunohistochemical investigation of benign and malignant melanocytic tumors and metastases of malignant melanoma and a characterization of the antigen in comparison to human brain. Kindblom LG, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Jul;92(4):219-30

An immunohistochemical analysis of S-100 protein and glial fibrillary acidic protein in nasal glioma. Kindblom LG, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Sep;92(5):387-9

S-100 protein in malignant mesotheliomas. Rasmussen OO, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1985 Jul;93(4):199-201

Long lasting changes in gerbil brain after chronic ethanol exposure: a quantitative study of the glial cell marker S-100 and DNA. Rosengren LE, et al. **Alcoholism (NY)** 1985 Mar-Apr;9(2):109-13

Increase of S-100 immunoreactivity in the urinary bladder from patients with multiple sclerosis, an indication of peripheral neuronal lesion. Gu J, et al. **Am J Clin Pathol** 1984 Dec;82(6):649-54

S-100 protein positive human T-lymphocyte. Takahashi K, et al. **Am J Clin Pathol** 1985 Jan;83(1):69-72

S-100 staining in the diagnosis of eosinophilic granuloma of lung. Webber D, et al. **Am J Clin Pathol** 1985 Oct;84(4):447-53

Structural characterization of the calcium binding protein s100 from adipose tissue. Marshak DR, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):777-80

Fat cells in intradermal nevus do not contain S100 protein [letter] Barnhill RL, et al. **Arch Dermatol** 1985 Feb;121(2):169-70

Atypical fibroxanthoma. A study with antibody to S-100 protein. Winkelmann RK, et al. **Arch Dermatol** 1985 Jun;121(6):753-5

Immunohistochemical demonstration of the nerves in human dental pulp with antisera against neurofilament protein and glia-specific S-100 protein. Maeda T, et al. **Arch Histol Jpn** 1985 Feb;48(1):123-9

Distribution of chromogranin and S100 protein in normal and abnormal adrenal medullary tissues. Lloyd RV, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):633-5

Cellular immunolocalization of S100 protein within fixed tissue sections by monoclonal antibodies. Loeffel SC, et al. **Arch Pathol Lab Med** 1985 Feb;109(2):117-22

Conditions for reproducible detection of calmodulin and S100 beta in immunoblots. Van Eldik LJ, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):752-9

Immunochemical detection of S-100 protein in non-nervous structures of the rabbit eye. Michetti F, et al. **Brain Res** 1985 Apr 22;332(2):358-60

Primary eosinophilic granuloma of frontal lobe. Diagnostic use of S-100 protein. Moscinski LC, et al. **Cancer** 1985 Jul 15;56(2):284-8

Immunocytochemical localization of S-100 protein in stellate cells (folliculo-stellate cells) of the anterior lobe of the normal human pituitary. Girod C, et al. **Cell Tissue Res** 1985;241(3):505-11

Immunohistochemical study of S-100 protein in the postnatal development of Müller cells and astrocytes in the rat retina. Kondo H, et al. **Cell Tissue Res** 1984;238(3):503-8

Granular cell tumor of the lower lid: histological and immunohistochemical studies. Ishibashi T, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;222(2):75-8

Combined immunostaining of neurofilaments, neuron specific enolase, GFAP and S-100. A possible means for assessing the morphological and functional status of the enteric nervous system. Bishop AE, et al. **Histochemistry** 1985;82(1):93-7

S-100 protein immunostaining in the differential diagnosis of chondroblastoma. Monda L, et al. **Hum Pathol** 1985 Mar;16(3):287-93

Species variations in distribution of S100 in retina. Demonstration with a monoclonal antibody and a polyclonal antiserum. Molnar ML, et al. **Invest Ophthalmol Vis Sci** 1985 Mar;26(3):283-8

Detection of S-100 labelled cells in nasopharyngeal carcinoma. Lauriola L, et al. **J Clin Pathol** 1984 Nov;37(11):1235-8

Delineation of nevus cell nests in inflammatory infiltrates by immunohistochemical staining for the presence of S100 protein. Penneys NS, et al. **J Cutan Pathol** 1985 Feb;12(1):28-32

S-100 alpha-like immunoreactivity in tubules of rat kidney. A clue to the function of a 'brain-specific' protein. Molin SO, et al. **J Histochem Cytochem** 1985 Apr;33(4):367-74

S100a0 (alpha alpha) protein is present in neurons of the central and peripheral nervous system. Isobe T, et al. **J Neurochem** 1984 Nov;43(5):1494-6

Immunohistochemical demonstration of S-100 protein in salivary gland neoplasms. Crocker J, et al. **J Pathol** 1985 Jun;146(2):115-21

Heterogeneity of histiocytes in primary lung cancer stained with anti-S100 protein, lysozyme and OKT 6 antibodies. Furukawa T, et al. **Jpn J Clin Oncol** 1984 Dec;14(4):647-57

Practical importance of immunostaining paraffin-embedded biopsy samples of small lymphocytic and follicle centre cell lymphomas for S100 protein [letter] Carbone A, et al. **Lancet** 1985 Sep 14;2(8455):617

An investigation of S-100 protein in embryonic dental papillae of rats. Dunlap C, et al. **Oral Surg Oral Med Oral Pathol** 1984 Nov;58(5):575-8

S-100 protein in amniotic fluid of anencephalic fetuses. Sindic CJ, et al. **Prenat Diagn** 1984 Jul-Aug;4(4):297-302

Production and characterization of monoclonal antibodies with specificity for the S100 beta polypeptide of brain S100 fractions. Van Eldik LJ, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6034-8

Langerhans cells and extra-epidermal dendritic cells. An investigation in laboratory animals and man with immunomorphological methods. Rowden G, et al. **Scand J Immunol** 1985 May;21(5):471-8

S-100 protein immunostaining in cells of dendritic morphology within reactive germinal centers by ABC immunoperoxidase method. Carbone A, et al. **Virchows Arch [A]** 1985;406(1):27-32

Immunohistochemical distribution of S-100 protein and glial fibrillary acidic protein in normal and neoplastic salivary glands. Nakazato Y, et al. **Virchows Arch [A]** 1985;405(3):299-310

[Demonstration of S-100 protein in a cutaneous cell population] Monti M, et al. **G Ital Dermatol Venereol** 1985 May-Jun;120(3):197-201 (Eng. Abstr.) **(Ita)**

[An autopsy case of malignant histiocytosis showing a phenotype of S100 + lysozyme] Miyamoto Y, et al. **Gan No Rinsho** 1984 Nov;30(14):1823-6 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical localization of S-100 protein in sweat gland neoplasms] Tamade S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jul;94(8):937-44 **(Jpn)**

[S-100 protein-positive cells in sweat apparatus tumors] Tokura Y, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Mar;95(4):447-54 **(Jpn)**

[S 100 protein] Isobe T, et al. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1085-100 (100 ref.) **(Jpn)**

BIOSYNTHESIS

Forskolin induction of S-100 protein in glioma and hybrid cells. Higashida H, et al. **J Cell Physiol** 1985 Jan;122(1):39-44

CEREBROSPINAL FLUID

Myelin basic protein and S-100 antigen in cerebrospinal fluid of patients with multiple sclerosis in the acute phase. Massaro AR, et al. **Ital J Neurol Sci** 1985 Mar;6(1):53-6

S-100 protein and calmodulin levels in cerebrospinal fluid after subarachnoid hemorrhage. Takayasu M, et al. **J Neurosurg** 1985 Sep;63(3):417-20

[Neuron-specific enolase and S-100 protein levels in the cerebrospinal fluid of patients with encephalitis and meningitis] Mokuno K, et al. **Rinsho Shinkeigaku** 1984 Nov;24(11):1143-8 (Eng. Abstr.) **(Jpn)**

GENETICS

Characterization of human brain S100 protein fraction: amino acid sequence of S100 beta. Jensen R, et al. **J Neurochem** 1985 Sep;45(3):700–5

Molecular cloning and the complete nucleotide sequence of cDNA to mRNA for S–100 protein of rat brain. Kuwano R, et al. **Nucleic Acids Res** 1984 Oct 11;12(19):7455–65

IMMUNOLOGY

Neural tissue hypersensitivity in psychiatric disorders with immunologic features. Janković BD. **J Immunol** 1985 Aug; 135(2 Suppl):853s–857s

Production of monoclonal antibodies directed against antigenic determinants common to the alpha– and beta–chain of bovine brain S–100 protein. Vanstapel MJ, et al. **Lab Invest** 1985 Feb;52(2):232–8

The possibility of distinguishing a subset of antigen–presenting cells from macrophages by means of anti S–100 protein sera. Dermal infiltrate of lichen planus as a model. De Panfilis G, et al. **Scand J Immunol** 1985 May;21(5):485–8

ISOLATION & PURIFICATION

Isolation of S–100 binding proteins from brain by affinity chromatography. Gopalakrishna R, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1118–24

Purification, characterization and ion binding properties of human brain S100b protein. Baudier J, et al. **Biochim Biophys Acta** 1984 Oct 23;790(2):164–73

Rat brain S100b protein: purification, characterization, and ion binding properties. A comparison with bovine S100b protein. Baudier J, et al. **J Neurochem** 1985 Jan;44(1):76–84

METABOLISM

Granular cell tumor of the gallbladder. Report of a case. Yamaguchi K, et al. **Acta Pathol Jpn** 1985 May; 35(3):687–91

Cystitis might cause increased S–100 immunoreactivity [letter] Hasson J. **Am J Clin Pathol** 1985 Jun;83(6):776

Immunohistological demonstration of S–100 protein in the cutaneous nervous system. Hachisuka H, et al. **Anat Rec** 1984 Dec;210(4):639–46

Granular cell tumors of the breast. Steroid receptor analysis and localization of carcinoembryonic antigen, myoglobin, and S100 protein. Ingram DL, et al. **Arch Pathol Lab Med** 1984 Nov;108(11):897–901

A subnanosecond–pulse fluorometric study of the CA2+ and MG2+ induced conformational changes on S–100a protein. Baudier J, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):959–65

Inhibition of adipose S–100 protein release by insulin. Suzuki F, et al. **Biochim Biophys Acta** 1985 May 30;845(2):311–6

Immunohistochemical localization of S–100 protein in the retina, ciliary body and iris of human fetuses. Iwanaga T, et al. **Cell Tissue Res** 1985;239(3):505–10

S–100 protein in the testis. An immunochemical and immunohistochemical study. Michetti F, et al. **Cell Tissue Res** 1985;240(1):137–42

Granulated folliculo–stellate cells and growth hormone cells immunostained with anti–S 100 protein serum in the pituitary glands of the goat. Shirasawa N, et al. **Cell Tissue Res** 1984;237(1):7–14

Immunocytochemistry of mouse and human retina with antisera to insulin and S–100 protein. Das A, et al. **Curr Eye Res** 1984 Dec;3(12):1397–403

Neurone specific enolase and S100 protein as possible prognostic indicators in melanoma. Rode J, et al. **Histopathology** 1984 Nov;8(6):1041–52

Prognostic subgroups for undifferentiated neuroblastoma: immunohistochemical study with anti–S–100 protein antibody. Shimada H, et al. **Hum Pathol** 1985 May; 16(5):471–6

Preparation of a uveitogenic peptide by chymotryptic digestion of bovine S–antigen. Kamada Y, et al. **Invest Ophthalmol Vis Sci** 1985 Sep;26(9):1274–80

Effects of various forms of stimulation on the content of enolase isozymes and S–100 protein in superior cervical sympathetic ganglia excised from rats. Nagata Y, et al. **J Neurochem** 1984 Nov;43(5):1205–12

Hormonal regulation of adipose S–100 protein release. Suzuki F, et al. **J Neurochem** 1984 Nov;43(5):1336–41

S–100 protein in papillary thyroid carcinoma [letter] Galante M, et al. **Lancet** 1985 Aug 31;2(8453):498

Immunohistochemical demonstration of S–100 protein in meningioma. Tabuchi K, et al. **Neurol Med Chir (Tokyo)** 1984 Jul;24(7):466–70

Immunocytochemical localization of S–100 protein in interstitial cells of the monkey Macaca irus pineal gland. Girod C, et al. **Neurosci Lett** 1985 Jun 12;57(2):181–4

S–100 protein distribution in liposarcoma. An immunoperoxidase study with special reference to the distinction of liposarcoma from myxoid malignant fibrous histiocytoma. Hashimoto H, et al. **Virchows Arch [A]** 1984; 405(1):1–10

Lymphoepithelial carcinoma (Schmincke type) as a derivate of the tonsillar crypt epithelium. Möller P, et al. **Virchows Arch [A]** 1984;405(1):85–93

S–100 protein–positive Langerhans cells in various human lung cancers, especially in peripheral adenocarcinomas. Nakajima T, et al. **Virchows Arch [A]** 1985;407(2):177–89

S–100+ lymph node neoplasm. Report of a case with histological AL and immunological features intermediate between T cell lymphoma and malignant histiocytosis. Ruco LP, et al. **Virchows Arch [A]** 1984;404(4):351–8

Immunohistochemical study of neuron specific enolase and S–100 protein in Hirschsprung's disease. Taguchi T, et al. **Virchows Arch [A]** 1985;405(4):399–409

PHARMACODYNAMICS

S–100 protein–induced changes in the physical state of synaptosomal particulate fractions as monitored by spin labels. Curatola G, et al. **Arch Biochem Biophys** 1985 Jul; 240(1):435–45

Mechanism of action of S–100 protein(s) on brain microtubule protein assembly. Donato R. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):850–6

S–100 proteins and microtubules: analysis of the effects of rat brain S–100 (S–100b) and ox brain S–100a0, S–100a and S–100b on microtubule assembly–disassembly. Donato R, et al. **FEBS Lett** 1985 Jul 1;186(1):65–9

[Effect of endogenous oligopeptides and brain–specific proteins on aggressive behavior in the rat] Rylov AL, et al. **Zh Vyssh Nerv Deiat** 1984 Sep–Oct;34(5):904–10 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effect of ultraviolet B radiation on S–100 protein antigen in epidermal Langerhans cells. Schneider SA, et al. **J Invest Dermatol** 1985 Feb;84(2):146–8

NERVE TISSUE PROTEINS

Structures of two cockroach neuropeptides assigned by fast atom bombardment mass spectrometry. Witten JL, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):350–8

Quantitation and characterization of human plasma neurotensin–like immunoreactivity in response to a meal. Lee YC, et al. **Dig Dis Sci** 1985 Feb;30(2):129–33

Brain micro glutamic acid–rich protein is the C–terminal endpiece of the neurofilament 68–kDa protein as determined by the primary sequence. Isobe T, et al. **FEBS Lett** 1985 Mar 25;182(2):389–92

Pancreatic polypeptide, peptide YY, and neuropeptide Y family of regulatory peptides. Solomon TE. **Gastroenterology** 1985 Mar;88(3):838–41

[Integration of soluble tetrodotoxin–sensitive brain proteins into membrane liposomes] Malysheva MK, et al. **Neirofiziologiia** 1984;16(5):716–25 (Eng. Abstr.) **(Rus)**

[Neuropeptides in health and disease] **Lakartidningen** 1984 Nov 21;81(47):4395–410 **(Swe)**

ADMINISTRATION & DOSAGE

Actions of centrally administered neuropeptide Y on EEG activity in different rat strains and in different phases of their circadian cycle. Zini I, et al. **Acta Physiol Scand** 1984 Sep;122(1):71–7

Feeding and drinking elicited by central injection of neuropeptide Y: evidence for a hypothalamic site(s) of action. Stanley BG, et al. **Brain Res Bull** 1985 Jun; 14(6):521–4

Sham feeding, flavor associations and diet self–selection as indicators of feeding satiety or aversive effects of peptide hormones. Vanderweele DA, et al. **Brain Res Bull** 1985 Jun;14(6):529–35

Central nervous system actions of calcitonin gene–related peptide on gastric acid secretion in the rat. Lenz HJ, et al. **Gastroenterology** 1985 Feb;88(2):539–44

Inhibition of gastric acid secretion by intracerebral injection of calcitonin gene related peptide in rats. Taché Y, et al. **Life Sci** 1984 Aug 20;35(8):871–8

Opposing central and peripheral actions of brain–gut peptides: a basis for regulation of gastric function. Pappas TN, et al. **Surgery** 1985 Aug;98(2):183–90

ANALYSIS

Neuropeptide Y: occurrence and distribution in dental pulps. Uddman R, et al. **Acta Odontol Scand** 1984 Dec;42(6):361–5

Chromogranin as a marker of neuroendocrine cells in cytologic material––an immunocytochemical study. Walts AE, et al. **Am J Clin Pathol** 1985 Sep;84(3):273–7

Comparative distribution of cholecystokinin and other neuropeptides. Why is this peptide different from all other peptides? Crawley JN. **Ann NY Acad Sci** 1985;448:1–8

Distribution of cholecystokinin–like immunoreactivity in the nervous system. Co–existence with classical neurotransmitters and other neuropeptides. Hökfelt T, et al. **Ann NY Acad Sci** 1985;448:255–74

Co–existence of cholecystokinin– or gastrin–like peptides with other peptides in the hypophysis and the hypothalamus. Vanderhaeghen JJ, et al. **Ann NY Acad Sci** 1985;448:334–44

Olfactory marker protein in the human olfactory pathway. Nakashima T, et al. **Arch Otolaryngol** 1985 May; 111(5):294–7

Immunohistochemical localization of chromogranin in human hypophyses and pituitary adenomas. Lloyd RV, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):515–7

Distribution of chromogranin and S100 protein in normal and abnormal adrenal medullary tissues. Lloyd RV, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):633–5

Neuropeptide Y–like immunoreactivity in neuritic plaques of Alzheimer's disease. Dawbarn D, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):289–94

The amino terminal sequences of bovine and human chromogranin A and secretory protein I are identical. Kruggel W, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):380–3

Molecular characteristics of the major scrapie prion protein. Bolton DC, et al. **Biochemistry** 1984 Dec 4;23(25):5898–906

Normal content of brain spectrin–like protein in sph/sph mice. Casoria LA, et al. **Br J Haematol** 1984 Oct; 58(2):277–88

Neuropeptide Y in human spinal cord. Allen JM, et al. **Brain Res** 1984 Aug 6;308(1):145–8

Peptide coincidence in rat superior cervical ganglion. Ariano MA, et al. **Brain Res** 1985 Aug 5;340(1):181–5

Neuropeptides derived from prosomatostatin that do not contain the somatostatin–14 sequence. Benoit R, et al. **Brain Res** 1984 Oct 8;311(1):23–9

Post–mortem analyses of neuropeptides in brains from sudden infant death victims. Bergström L, et al. **Brain Res** 1984 Dec 10;323(2):279–85

On the number of neurons in the dentate gyrus of the rat. Boss BD, et al. **Brain Res** 1985 Jul 8;338(1):144–50

Survival of basal ganglia neuropeptide Y–somatostatin neurones in Huntington's disease. Dawbarn D, et al. **Brain Res** 1985 Aug 12;340(2):251–60

Subcellular distribution of neuropeptide Y–like immunoreactivity in guinea pig neocortex. de Quidt ME, et al. **Brain Res** 1985 Jun 3;335(2):354–9

Cell surface proteins of cerebellar interneurones and astrocytes cultured in chemically defined and serum–supplemented media. Gallo V, et al. **Brain Res** 1985 Jan;349(1–2):27–37

The use of Synapsin I as a biochemical marker for neuronal damage by trimethyltin. Harry GJ, et al. **Brain Res** 1985 Feb 4;326(1):9–18

Effect of reduction of cholinergic input on the concentration of specific proteins in different cortical regions of the rat brain. Heydorn WE, et al. **Brain Res** 1985 Jul 29; 339(2):209–18

Regional distribution of a novel pituitary protein (7B2) in the rat brain. Iguchi H, et al. **Brain Res** 1985 Jul 8; 338(1):91–6

Sympathetic neuronal survival factors change after denervation. Kanakis SJ, et al. **Brain Res** 1985 Jun; 352(2):197–202

Topographical distributions of 32K and 48K cAMP–regulated phosphoproteins: relationships to dopamine and serotonin innervations in striatum, substantia nigra and cerebral cortex. Lemos JR, et al. **Brain Res** 1984 Dec 3;323(1):47–54

Morphology of peptide–containing neurons in the rat basolateral amygdaloid nucleus. McDonald AJ. **Brain Res** 1985 Jul 8;338(1):186–91

Glycoprotein composition and turnover in subcellular fractions from the cerebral cortex of normal and reeler mutant mice. Murphy S, et al. **Brain Res** 1985 Jul; 353(1):73–81

Neuronotrophic activity for ciliary ganglion neurons. Induction following injury to the brain of neonatal, adult, and aged rats. Needels DL, et al. **Brain Res** 1985 Feb; 350(1–2):275–84

Mammalian endoneurial fluid: collection and protein analysis from normal and crushed nerves. Poduslo JF, et al. **Brain Res** 1985 Apr 15;332(1):91–102

Membrane proteins and glycoproteins specific to central nervous system axons and growth cones. Schlosshauer B. **Brain Res** 1985 Apr;351(2):237–44

Brain gangliosides in birds with different types of postnatal development (nidifugous and nidicolous type). Seybold U, et al. **Brain Res** 1985 Jan;349(1–2):201–8

Differential morphologic effects of two fractions from fetal calf muscle on cultured chick ciliary ganglion cells. Vaca K, et al. **Brain Res** 1985 Mar;351(1):37–46

Neuronotrophic factors for mammalian brain neurons: injury induction in neonatal, adult and aged rat brain. Whittemore SR, et al. **Brain Res** 1985 Jun;352(2):169–78

Effects of neonatal methylmercury exposure on development of nucleic acids and proteins in rat brain: regional specificity. Slotkin TA, et al. **Brain Res Bull** 1985 May; 14(5):397–400

Retinal neuropeptides in the skates, Raja clavata, R. radiata, R. oscellata (Elasmobranchii). Bruun A, et al. **Cell Tissue Res** 1985;241(1):17–24

Neurochemically similar myenteric and submucous neurons directly traced to the mucosa of the small intestine. Furness JB, et al. **Cell Tissue Res** 1985;241(1):155–63

Neuropeptides in the gastrointestinal canal of Necturus maculosus. Distribution and effects on motility. Holmgren S, et al. **Cell Tissue Res** 1985;241(3):565–80

Ultrastructural immunocytochemical demonstration of D2–protein in adrenal medulla. Langley OK, et al. **Cell Tissue Res** 1984;238(3):497–502

Neuropeptide Y (NPY)–like immunoreactive amacrine cells in retinas of frog and goldfish. Osborne NN, et al. **Cell Tissue Res** 1985;241(3):651–6

Immunocytochemical localization of neuropeptide Y (NPY) in the human hypothalamus. Pelletier G, et al. **Cell Tissue Res** 1984;238(1):203–5

Occurrence and distribution of calcitonin gene–related peptide in the mammalian respiratory tract and middle ear. Uddman R, et al. **Cell Tissue Res** 1985;241(3):551–5

Two-dimensional gel electrophoresis used in neurobiological studies of proteins in discrete areas of the rat brain. Jacobowitz DM, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):1996–2002

Identification of coordinate pairs of polypeptides: a technique for screening of putative precursor product pairs in 2D gels. Lemkin PF, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):1965–71

Proteins in normal, irradiated, and postmortem human brain quantitatively compared by using two-dimensional gel electrophoresis. Narayan RK, et al. **Clin Chem** 1984 Dec; 30(12 Pt 1):1989–95

Vascular distribution of neuropeptide Y (NPY) and effect on blood pressure. Allen JM, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):1879–82

Electrochemical measurement of neurohypophyseal peptide levels in rat hypothalamic regions after adrenalectomy. Johnson JV, et al. **Clin Exp Hypertens** [A] 1984; 6(10–11):1993–8

Renovascular distribution of NPY and its vasoconstrictor and natriuretic properties. Raine AE, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):1957–60

The protein component of scrapie-associated fibrils is a glycosylated low molecular weight protein. Multhaup G, et al. **EMBO J** 1985 Jun;4(6):1495–501

A nonamidated peptide homologous to porcine peptide YY and neuropeptide YY. Andrews PC, et al. **Endocrinology** 1985 Jun;116(6):2677–81

Neuropeptide Y in the thyroid gland: neuronal localization and enhancement of stimulated thyroid hormone secretion. Grunditz T, et al. **Endocrinology** 1984 Oct;115(4):1537–42

Neuropeptide Y in bovine adrenal glands: distribution and characterization. Majane EA, et al. **Endocrinology** 1985 Sep;117(3):1162–8

Extensive cross-linking of calf brain plain synaptic vesicle proteins. Antonian E, et al. **Eur J Biochem** 1984 Dec 17; 145(3):511–7

Co-existence of substance P and calcitonin gene-related peptide-like immunoreactivities in sensory nerves in relation to cardiovascular and bronchoconstrictor effects of capsaicin. Lundberg JM, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):315–9

beta-Granins: 21 kDa co-secreted peptides of the insulin granule closely related to adrenal medullary chromogranin A. Hutton JC, et al. **FEBS Lett** 1985 Sep 2;188(2):336–40

N-terminal amino acid sequence of an insect neurohormone, melanization and reddish coloration hormone (MRCH): heterogeneity and sequence homology with human insulin-like growth factor II. Matsumoto S, et al. **FEBS Lett** 1985 Sep 9;189(1):115–8

Peptide-containing nerve fibers in the stomach wall of rat and mouse. Ekblad E, et al. **Gastroenterology** 1985 Jul; 89(1):73–85

The hyperglycemic neuropeptide of the terrestrial isopod, Porcellio dilatatus. I. Isolation and characterization. Martin G, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):208–16

Proenkephalin and prodynorphin related neuropeptides in the cochlea. Hoffman DW, et al. **Hear Res** 1985 Jan; 17(1):47–50

The nerves of the juxtaglomerular apparatus of man and other mammals contain the potent peptide NPY. Ballesta J, et al. **Histochemistry** 1984;80(5):483–5

Calcitonin gene-related peptide (CGRP)-immunoreactive sensory and motor nerves of the mammalian palate. Rodrigo J, et al. **Histochemistry** 1985;82(1):67–74

Immunoreactive neuron-specific enolase, bombesin, and chromogranin as markers for neuroendocrine lung tumors. Said JW, et al. **Hum Pathol** 1985 Mar;16(3):236–40

The structure of murine 7S nerve growth factor: implications for biosynthesis. Isackson PJ, et al. **Int J Neurosci** 1985 Apr;26(1–2):95–108

Neuropeptide Y immunoreactive neurons in the guinea-pig uvea and retina. Bruun A, et al. **Invest Ophthalmol Vis Sci** 1984 Oct;25(10):1113–23

Chromogranin, an integral membrane protein. Settleman J, et al. **J Biol Chem** 1985 Feb 10;260(3):1641–4

Relationship of multiple forms of chromogranin. Settleman J, et al. **J Biol Chem** 1985 Feb 10;260(3):1645–51

MAP 4: occurrence in mouse tissues. Parysek LM, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1309–15

High-performance liquid chromatographic analysis of in vitro central neuropeptide processing. Davis TP, et al. **J Chromatogr** 1985 Jun 26;327:279–92

Combined high-performance liquid chromatography-radioimmunoassay for the characterization and quantitative measurement of neuropeptides. Hermann K, et al. **J Chromatogr** 1984 Nov 16;312:273–84

Determination of neuropeptides in discrete regions of the rat brain by high-performance liquid chromatography with electrochemical detection. Sauter A, et al. **J Chromatogr** 1984 Aug 3;297:215–23

Torpedo electromotor system development: developmentally regulated neuronotrophic activities of electric organ tissue. Richardson GP, et al. **J Comp Neurol** 1985 Jan 15; 231(3):339–52

Immunohistochemistry of the hypothalamic neuropeptides and anterior pituitary cells in the Japanese quail. Mikami S, et al. **J Exp Zool** 1984 Dec;232(3):405–17 (60 ref.)

Localization of some neuropeptide- and serotonin-like immunoreactivities in the vegetative network of guinea pig spinal cord. Davidoff MS, et al. **J Hirnforsch** 1985; 26(2):153–65

Neurons and neuroendocrine cells contain chromogranin: detection of the molecule in normal bovine tissues by immunochemical and immunohistochemical methods. Nolan JA, et al. **J Histochem Cytochem** 1985 Aug; 33(8):791–8

Synapsin I (protein I) in different brain regions in senile dementia of Alzheimer type and in multi-infarct dementia. Perdahl E, et al. **J Neural Transm** 1984;60(2):133–41

Studies on a cerebellar 50,000-dalton protein associated with cerebellar hypoplasia in jaundiced Gunn rats: its identity with glial fibrillary acidic protein as evidenced by the improved immunoblotting method. Aono S, et al. **J Neurochem** 1985 Jun;44(6):1877–84

Immunoassay of the neuronal and neuroendocrine marker PGP 9.5 in human tissues. Bradbury JM, et al. **J Neurochem** 1985 Feb;44(2):651–3

Immunological characterization of secretory proteins of chromaffin granules: chromogranins A, chromogranins B, and enkephalin-containing peptides. Fischer-Colbrie R, et al. **J Neurochem** 1985 Jun;44(6):1854–61

Phylogenetic survey of proteins related to synapsin I and biochemical analysis of four such proteins from fish brain. Goelz SE, et al. **J Neurochem** 1985 Jul;45(1):63–72

A comparison of the evolutionary distribution of the two neuroendocrine markers, neurone-specific enolase and protein gene product 9.5. Jackson P, et al. **J Neurochem** 1985 Jul;45(1):185–90

Difference in the pattern of soluble proteins from rat brain regions. Kler A, et al. **J Neurochem** 1985 May;44(5):1333–9

Mass spectrometric analyses of brain synaptic peptides containing taurine. Marnela KM, et al. **J Neurochem** 1984 Dec;43(6):1650–3

Survey of intermediate filament proteins in optic nerve and spinal cord: evidence for differential expression. Quitschke W, et al. **J Neurochem** 1985 May;44(5):1465–76

Isolation of diosgenin[(25R)-spirost-5-en-3 beta-ol] from a lysate of a new hypotensive phospholipid occurring in bovine brain. Tsukatani H, et al. **J Neurochem** 1985 Feb; 44(2):658–61

GABA-modulin: a synaptosomal basic protein that differs from small myelin basic protein of rat brain. Vaccarino F, et al. **J Neurochem** 1985 Jan;44(1):278–90

A subset of Schwann cells in peripheral nerves contain a 50-kDa protein antigenically related to astrocyte intermediate filaments. Fields KL, et al. **J Neuroimmunol** 1985 Jun;8(4–6):311–30

Chromatographic characterization of neuropeptides in post mortem human brain. Biggins JA, et al. **J Neurol Sci** 1984 Oct;66(1):47–58

Reductions in soluble brain proteins in older subjects with Down's syndrome. Borthwick NM, et al. **J Neurol Sci** 1985 May;68(2–3):205–14

Differentiation markers (S-100, GFAP, NSE and D2) in fetal rat brain cells during malignant transformation in cell culture. Laerum OD, et al. **J Neurooncol** 1985;3(2):137–46

Astrocytic proteins in the dorsal and ventral roots in amyotrophic lateral sclerosis and Werdnig-Hoffmann disease. Brock TO, et al. **J Neuropathol Exp Neurol** 1984 Nov;43(6):609–19

Appearance of the noradrenergic markers tyrosine hydroxylase and neuropeptide Y in cholinergic nerves of the iris following sympathectomy. Björklund H, et al. **J Neurosci** 1985 Jun;5(6):1633–40

Immunocytochemical mapping of 1B236, a brain-specific neuronal polypeptide deduced from the sequence of a cloned mRNA. Bloom FE, et al. **J Neurosci** 1985 Jul; 5(7):1781–802

Localized survival of ciliary ganglionic neurons identifies neuronotrophic factor bands on nitrocellulose blots. Carnow TB, et al. **J Neurosci** 1985 Aug;5(8):1965–71

Calcitonin gene-related peptide immunoreactivity in the spinal cord of man and of eight other species. Gibson SJ, et al. **J Neurosci** 1984 Dec;4(12):3101–11

Comparative immunohistochemical and biochemical analysis of pancreatic polypeptide-like peptides with special reference to presence of neuropeptide Y in central and peripheral neurons. Lundberg JM, et al. **J Neurosci** 1984 Sep;4(9):2376–86

Distribution of neuropeptide Y-like immunoreactivity and its relationship to FMRF-amide-like immunoreactivity in the sixth lumbar and first sacral spinal cord segments of the rat. Sasek CA, et al. **J Neurosci** 1985 Jul;5(7):1729–39

An analysis of peripheral neuronal survival factors present in muscle. Bonyhady RE, et al. **J Neurosci Res** 1985; 13(3):357–67

Cerebellar hypoplasia in the Gunn rat is associated with quantitative changes in neurotypic and gliotypic proteins. O'Callaghan JP, et al. **J Pharmacol Exp Ther** 1985 Aug; 234(2):522–33

Neuron-specific phosphoproteins as biochemical indicators of neurotoxicity: effects of acute administration of trimethyltin to the adult rat. O'Callaghan JP, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):736–43

Scrapie-associated fibrils and AIDS encephalopathy [letter] Gibson PH. **Lancet** 1985 Sep 14;2(8455):612–3

Structures resembling scrapie-associated fibrils in AIDS encephalopathy [letter] Goldwater PN, et al. **Lancet** 1985 Aug 24;2(8452):447–8

Immunohistopathology of human olfactory epithelium, nerve and bulb. Nakashima T, et al. **Laryngoscope** 1985 Apr; 95(4):391–6

Neuropeptide Y in the human male genital tract. Adrian TE, et al. **Life Sci** 1984 Dec 24;35(26):2643–8

Specificity of neuropeptide degradation by two calcium-activated neutral proteases from human skeletal muscle. McDermott JR, et al. **Life Sci** 1985 Aug 26; 37(8):725–30

The effect of praziquantel, an antihelminthicum, on the peptidergic nervous system of the tapeworm Diphyllobothrium dendriticum. Gustafsson MK, et al. **Med Biol** 1985;63(1):28–33

Differential effects of reserpine and 6-hydroxydopamine on neuropeptide Y (NPY) and noradrenaline in peripheral neurons. Lundberg JM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):331–40

Presence of the predicted C-flanking peptide of neuropeptide Y (CPON) in tissue extracts. Allen JM, et al. **Neuropeptides** 1985 Apr;6(2):95–100

Neuropeptides in physiologically identified mammalian sensory neurones. Leah JD, et al. **Neurosci Lett** 1985 May 23;56(3):257–63

Regional distribution of substance P, neurokinin alpha and neurokinin beta in rat central nervous system. Kanazawa I, et al. **Neurosci Res** 1984 Dec;2(1–2):111–20

Calcitonin gene-related peptide in cardiovascular tissues of the rat. Mulderry PK, et al. **Neuroscience** 1985 Mar; 14(3):947–54

Regulatory peptides--the distribution of two newly discovered peptides: PHI and NPY. Polak JM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:79–89 (41 ref.)

Changes in neurotransmitter amino acids and protein in CNS areas of mice subjected to differential housing conditions. Cordoba F, et al. **Pharmacol Biochem Behav** 1984 Sep; 21(3):349–52

Transferrin receptors in rat brain: neuropeptide-like pattern and relationship to iron distribution. Hill JM, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4553–7

Microtubule-associated protein 2: monoclonal antibodies demonstrate the selective incorporation of certain epitopes into Alzheimer neurofibrillary tangles. Kosik KS, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7941–5

Brain-specific polypeptide 1B236 exists in multiple molecular forms. Malfroy B, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2009–13

Specific proteins associated with Creutzfeldt-Jakob disease and scrapie share antigenic and carbohydrate determinants. Manuelidis L, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):4263–7

Distribution of neuropeptides in the central nervous system: a review of biochemical mapping studies. Palkovits M. **Prog Neurobiol** 1984;23(3):151–89 (193 ref.)

Neuropeptides in human brain--postmortem studies. Kleinman JE, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985;9(1):91–5

Neuropeptides in CSF and post-mortem brain tissue of normal controls, schizophrenics and Huntington's choreics. Manberg PJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(1):97–108

Radioimmunoassay for neuropeptide Y (NPY): chromatographic characterization of immunoreactivity in plasma and tissue extracts. Theodorsson-Norheim E, et al. **Scand J Clin Lab Invest** 1985 Jun;45(4):355–65

Diazepam-binding inhibitor: a neuropeptide located in selected neuronal populations of rat brain. Alho H, et al. **Science** 1985 Jul 12;229(4709):179–82

A neuroendocrine marker in tissues of the immune system. Angeletti RH, et al. **Science** 1985 Oct 4;230(4721):89–90

[Distribution of neuropeptides in the nasal region] Terao A. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jul;87(7):826–32 (Eng. Abstr.) **(Jpn)**

[Biochemistry of the brain. b. Amino acids, polypeptides, and proteins] Nishimura T, et al. **Nippon Rinsho** 1985 Feb; 43(2):253–7 (30 ref.) **(Jpn)**

[Biochemistry of single neurons] Kato T. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):945–55 (83 ref.) **(Jpn)**

[Microtubules and actin in the nervous system] Nishida E. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):987–1004 (142 ref.) **(Jpn)**

[Neuropeptides] Yanaihara N. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1375–92 (171 ref.) **(Jpn)**

[Neurospecific proteins in human malignant brain tumors] Berezin VA, et al. **Biull Eksp Biol Med** 1985 Jul; 100(7):68–70 (Eng. Abstr.) **(Rus)**

[Immunoenzyme determination of neurospecific antigen 10-40-4 in human and animal tissue and organ extracts] Kliushnik TP, et al. **Biull Eksp Biol Med** 1985 Feb; 99(2):179–80 (Eng. Abstr.) **(Rus)**

[Microchromatographic study of proteins in hippocampal field CA3 during prolonged posttetanic potentiation in surviving sections] Pankova TM, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):41–3 (Eng. Abstr.) **(Rus)**

[Relation between the protein composition of glial tumors and various clinico-morphologic indices] Anton RG, et al. **Zh Vopr Neirokhir** 1984 Jul-Aug;(4):39–43 (Eng. Abstr.) **(Rus)**

[Nerve cells can have more than one signal substance: coexistence of classical transmitters and peptides] Hökfelt T, et al. **Lakartidningen** 1984 Dec 26;81(52):4933–9 **(Swe)**

BIOSYNTHESIS

Enhanced RNA and protein synthesis in vitro in astrocytes derived from rats in the early stage of experimental hepatogenic encephalopathy. Albrecht J. **Acta Neurol Scand** 1984 Oct;70(4):314-6

Isolation, amino acid sequence, synthesis, and biological activity of some oligopeptides from porcine spinal cord. Hsi KL, et al. **Arch Biochem Biophys** 1985 Jul;240(1):178-83

Dopamine-stimulated fucosylation of brain proteins in vitro is not inhibited by puromycin. Lössner B, et al. **Biomed Biochim Acta** 1985;44(3):465-73

Effects of ageing on local rates of cerebral protein synthesis in Sprague-Dawley rats. Ingvar MC, et al. **Brain** 1985 Mar; 108 (Pt 1):155-70

The output of neuronotrophic and neurite-promoting agents from rat brain astroglial cells: a microculture method for screening potential regulatory molecules. Rudge JS, et al. **Brain Res** 1985 Apr;351(2):161-72

Inhibition of brain protein synthesis suppresses the release of prostaglandin E2 in febrile rabbits. Townsend Y, et al. **Brain Res Bull** 1984 Aug;13(2):335-8

Hibernators' brain: protein synthesis in the neocortex and the hippocampus. Derij LV, et al. **Comp Biochem Physiol [B]** 1985;80(4):927-34

The effect of streptozotocin diabetes on brain protein synthesis in the rat. Fando JL, et al. **Diabete Metab** 1985 Apr;11(2):92-7

Differential modulation of the expression of axonal proteins by non-neuronal cells of the peripheral and central nervous system. Sonderegger P, et al. **EMBO J** 1985 Jun; 4(6):1395-401

The mode of action of restrictocin and mitogillin on eukaryotic ribosomes. Inhibition of brain protein synthesis, cleavage and sequence of the ribosomal RNA fragment. Fando JL, et al. **Eur J Biochem** 1985 May 15;149(1):29-34

The developmental changes of mRNA levels for a cerebellar protein (spot 35 protein) in rat brains. Yamakuni T, et al. **FEBS Lett** 1985 Aug 19;188(1):127-30

Glial toxin effect on protein synthesis in an insect connective. Smith PJ, et al. **J Cell Sci** 1984 Aug;70:83-92

Afferent influences on brain stem auditory nuclei of the chicken: cessation of amino acid incorporation as an antecedent to age-dependent transneuronal degeneration. Steward O, et al. **J Comp Neurol** 1985 Jan 15;231(3):385-95

Experimental methyl mercury neurotoxicity: locus of mercurial inhibition of brain protein synthesis in vivo and in vitro. Cheung MK, et al. **J Neurochem** 1985 Jun; 44(6):1799-808

Translational activity of mRNA coding for cytoskeletal brain proteins in newborn and adult mice: a comparative study. Darmon MC, et al. **J Neurochem** 1985 Jun;44(6):1672-8

Protein synthesis rates in rats with portacaval shunts. Dunlop DS, et al. **J Neurochem** 1984 Nov;43(5):1487-9

Comparison of protein synthesis in mitochondria, synaptosomes, and intact brain cells. Irwin CC. **J Neurochem** 1985 Feb;44(2):433-8

Regionally selective inhibition of cerebral protein synthesis in the rat during hypoglycemia and recovery. Kiessling M, et al. **J Neurochem** 1984 Dec;43(6):1507-14

Changes in brain energy metabolism and protein synthesis following transient bilateral ischemia in the gerbil. Nowak TS Jr, et al. **J Neurochem** 1985 Feb;44(2):487-94

Effect of passive avoidance training on in vitro protein synthesis in forebrain slices of day-old chicks. Schliebs R, et al. **J Neurochem** 1985 Apr;44(4):1014-28

Modulation of phosphorylation of a 30-kD polyribosomal protein (pp30) by ACTH and spermine: comparison with modulation of brain protein synthesis. Schrama LH, et al. **J Neurochem** 1984 Dec;43(6):1693-9

Stimulation of protein synthesis and glucose utilization in the hypoglossal nucleus induced by axotomy. Smith CB, et al. **J Neurosci** 1984 Oct;4(10):2489-96

Comparative studies on morphine- and stress-induced analgesia and the development of tolerance to the effects: implication of protein synthesis mechanism in the process. Takahashi M, et al. **Jpn J Pharmacol** 1985 Feb; 37(2):197-202

Post-translational processing of neuropeptide precursors. Mains RE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:168-83 (50 ref.)

Nucleic acid and protein synthesis inhibition in developing brain by ethanol in the absence of hypothermia. Rawat AK. **Neurobehav Toxicol Teratol** 1985 Mar-Apr;7(2):161-6

Rates of protein synthesis and degradation in Gunn rat cerebellum with bilirubin-induced cerebellar hypoplasia. Katoh-Semba R, et al. **Neurochem Pathol** 1984 Spring; 2(1):31-7

Developmental changes in the synthesis of nonhistone nuclear proteins relative to the appearance of a short nucleosomal DNA repeat length in cerebral hemisphere neurons. Ivanov TR, et al. **Neurochem Res** 1984 Sep; 9(9):1323-37

Ethanol and brain protein synthesis in the rat in vivo. Ward LC, et al. **Neurosci Lett** 1985 Feb 4;53(3):273-8

Cell-free and cellular synthesis of chromogranin A and B of bovine adrenal medulla. Falkensammer G, et al. **Neuroscience** 1985 Feb;14(2):735-46

Effects of trichothecenes (T-2 toxin) on protein synthesis in vitro by brain polysomes and messenger RNA. Murthy MR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985;9(3):251-8

Protein synthesis and memory: a review. Davis HP, et al. **Psychol Bull** 1984 Nov;96(3):518-59

Ethanol neurotoxicity: effects on neurite formation and neurotrophic factor production in vitro. Dow KE, et al. **Science** 1985 May 3;228(4699):591-3

A specific 37,000-dalton protein that accumulates in regenerating but not in nonregenerating mammalian nerves. Müller HW, et al. **Science** 1985 Apr 26;228(4698):499-501

[Histoautoradiographic study of synthesis of neuronal proteins of the brain in response to exposure to damaging factors during the prenatal period] Kazakova PB, et al. **Zh Nevropatol Psikhiatr** 1985;85(7):1004-6 (Eng. Abstr.) **(Rus)**

[Characteristics of the DNA-RNA-protein-synthesizing apparatus of cerebral cortex neurons as a result of prenatal exposure to alcohol] Kolomeets NS, et al. **Zh Nevropatol Psikhiatr** 1985;85(7):996-1000 (Eng. Abstr.) **(Rus)**

[Effect of anisomycin on synaptic habituation in identified Helix pomatia neurons] Sokolov EN, et al. **Zh Vyssh Nerv Deiat** 1984 Nov-Dec;34(6):1178-80 **(Rus)**

[The effect of ischemia and recirculation on protein synthesis in the central nervous system] Chavko M, et al. **Cesk Neurol Neurochir** 1985 Jul;48(4):201-5 **(Slo)**

[Phylogeny of gastro-entero-pancreatic neurohormonal peptides] Falkmer S. **Lakartidningen** 1985 Jan 9; 82(1-2):27-32 **(Swe)**

BLOOD

Neurotensin-like immunoreactivity in plasma after fat intake in normal and obese subjects and after jejunoileal bypass. Wiklund B, et al. **Acta Chir Scand** 1985;151(4):361-5

Increase in neurotensin-like immunoreactivity in rat plasma after administration of calcium, bombesin and fat and its inhibition by somatostatin. Rökaeus A. **Acta Physiol Scand** 1984 Nov;122(3):261-7

Central nervous system-directed neuronotrophic activity present in red blood cells. Williams LR, et al. **Brain Res** 1985 Jun 10;336(1):99-105

Plasma chromogranin A. Initial studies in human hypertension. O'Connor DT. **Hypertension** 1985 May-Jun; 7(3 Pt 2):176-9

The inhibitory adenylate cyclase coupling protein in pseudohypoparathyroidism. Downs RW, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):351-4

Release of neuropeptide Y in response to splanchnic nerve stimulation in the conscious calf. Allen JM, et al. **J Physiol (Lond)** 1984 Dec;357:401-8

Calcitonin gene-related peptide: potent vasodilator and major product of calcitonin gene. Girgis SI, et al. **Lancet** 1985 Jul 6;2(8445):14-6

Chromatographic characterisation of the circulating neuropeptide Y immunoreactivity from patients with phaeochromocytoma. Corder R, et al. **Regul Pept** 1985 Mar;10(2-3):91-7

[Immunochemical study of the degradation of circulating glycoproteins and the neurospecific membrane glycoprotein D2 by cathepsin D of the human brain] Berezin VA, et al. **Biokhimiia** 1984 Jul;49(7):1138-46 (Eng. Abstr.) **(Rus)**

[Effect of natural neurotensin and its analog on gastric secretion and levels of various peptides in dog blood] Barashkova GM, et al. **Fiziol Zh SSSR** 1985 Feb; 71(2):200-5 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[Interaction between neuropeptides and monoamines--causing imbalance in physical diseases?] Widerlöv E. **Lakartidningen** 1984 Dec 26;81(52):4943-6 **(Swe)**

DIAGNOSTIC USE

PGP 9.5, a new marker for human neuroendocrine tumours. Rode J, et al. **Histopathology** 1985 Feb;9(2):147-58

GENETICS

Structure and expression of a gene encoding human calcitonin and calcitonin gene related peptide. Nelkin BD, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):648-55

Cloning of a cDNA encoding the smallest neurofilament protein from the rat. Julien JP, et al. **Biochim Biophys Acta** 1985 Aug 21;825(4):398-404

An apparent genetic polymorphism for a protein present in the hypothalamus of Sprague-Dawley rats. Scouten CW, et al. **Brain Res** 1985 Mar 18;330(1):170-3

Aplysia neurons express a gene encoding multiple FMRFamide neuropeptides. Schaefer M, et al. **Cell** 1985 Jun;41(2):457-67

Two introns define functional domains of a neuropeptide precursor in Aplysia. Taussig R, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):2133-40

Expression of the human calcitonin/CGRP gene in lung and thyroid carcinoma. Edbrooke MR, et al. **EMBO J** 1985 Mar;4(3):715-24

Isolation of mouse N-CAM-related cDNA: detection and cloning using monoclonal antibodies. Goridis C, et al. **EMBO J** 1985 Mar;4(3):631-5

Human neuropeptide Y, somatostatin and vasopressin precursors identified in cell-free translations of hypothalamic mRNA. Ivell R, et al. **FEBS Lett** 1984 Nov 19;177(2):175-8

A second human calcitonin/CGRP gene. Steenbergh PH, et al. **FEBS Lett** 1985 Apr 22;183(2):403-7

Visualisation of messenger RNA directing peptide synthesis by in situ hybridisation using a novel single-stranded cDNA probe. Potential for the investigation of gene expression and endocrine cell activity. Varndell IM, et al. **Histochemistry** 1984;81(6):597-601

The second human calcitonin/CGRP gene is located on chromosome 11. Höppener JW, et al. **Hum Genet** 1985; 70(3):259-63

Regulation of neuroendocrine gene expression by alternative RNA processing. Colocalization of calcitonin and calcitonin gene-related peptide in thyroid C-cells. Sabate MI, et al. **J Biol Chem** 1985 Mar 10;260(5):2589-92

Changes in gene expression during postnatal development of the rat cerebellum. Bernstein SL, et al. **J Neurogenet** 1983 Sep;1(1):71-86

Calcitonin/calcitonin gene-related peptide transcription unit: tissue-specific expression involves selective use of alternative polyadenylation sites. Amara SG, et al. **Mol Cell Biol** 1984 Oct;4(10):2151-60

Tissue-specific generation of two preprotachykinin mRNAs from one gene by alternative RNA splicing. Nawa H, et al. **Nature** 1984 Dec 20-1985 Jan 2;312(5996):729-34

Alternative RNA processing events in human calcitonin/calcitonin gene-related peptide gene expression. Jonas V, et al. **Proc Natl Acad Sci USA** 1985 Apr; 82(7):1994-8

Olfactory neuron-specific protein is translated from a large poly(A)+ mRNA. Rogers KE, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5218-22

Expression in brain of a messenger RNA encoding a novel neuropeptide homologous to calcitonin gene-related peptide. Amara SG, et al. **Science** 1985 Sep 13; 229(4718):1094-7

Molecular cloning of complementary DNA for the alpha subunit of the G protein that stimulates adenylate cyclase. Harris BA, et al. **Science** 1985 Sep 20;229(4719):1274-7

IMMUNOLOGY

Monoclonal antibodies to Alzheimer neurofibrillary tangles. 1. Identification of polypeptides. Yen SH, et al. **Am J Pathol** 1985 Aug;120(2):282-91

Mammalian brain antigens defined by monoclonal antibodies. De Blas A, et al. **Brain Res** 1984 Nov 26;322(2):277-87

Monoclonal antibodies reveal sagittal banding in the rodent cerebellar cortex. Hawkes R, et al. **Brain Res** 1985 May 6;333(2):359-65

Cross-reactivities of neuropeptide Y and peptide YY with pancreatic polypeptide antisera: evidence for the existence of pancreatic polypeptide in the brain. Inui A, et al. **Brain Res** 1985 Mar 25;330(2):386-9

Serum antibodies against central nervous system proteins in human demyelinating disease. Newcombe J, et al. **Clin Exp Immunol** 1985 Feb;59(2):383-90

Calcitonin gene-related peptide immunoreactive sensory and motor nerves of the rat, cat, and monkey esophagus. Rodrigo J, et al. **Gastroenterology** 1985 Feb;88(2):444-51

Individual neural cell types express immunologically distinct N-CAM forms. Williams RK, et al. **J Cell Biol** 1985 Jul; 101(1):36-42

Identification and immunolocalization by monoclonal antibody of NSP-5, a surface polypeptide of neural cells. Rougon G, et al. **J Neuroimmunol** 1984 Sep-Oct; 6(6):411-26

Morphology, distribution, and synaptic relations of somatostatin- and neuropeptide Y-immunoreactive neurons in rat and monkey neocortex. Hendry SH, et al. **J Neurosci** 1984 Oct;4(10):2497-517

Paraneoplastic myelopathy: antibodies against protein in normal spinal cord and underlying neoplasm [letter] Babikian VL, et al. **Lancet** 1985 Jul 6;2(8445):49-50

One-way humoral immune cross-reactivity between bovine spinal cord protein and bovine myelin basic protein. Prokopchuk P, et al. **Mol Immunol** 1984 Oct; 21(10):999-1005

Synapsin I is a spectrin-binding protein immunologically related to erythrocyte protein 4.1. Baines AJ, et al. **Nature** 1985 May 30-Jun 5;315(6018):410-3

Immunomodulation of relapsing experimental allergic encephalomyelitis. Lublin FD. **Neurology** 1984 Dec; 34(12):1615-7

Recognition by a mouse monoclonal antibody of a glycoprotein antigen of rat brain which is expressed intracellularly by neurons. Webb M, et al. **Neuroscience** 1984 Oct;13(2):583-94

Antibodies against the carboxyl-terminal 5-kDa peptide of the alpha subunit of transducin crossreact with the 40-kDa but not the 39-kDa guanine nucleotide binding protein from brain. Pines M, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4095-9

[Experiences with the indirect Clausen Test using NTA as an antigen in multiple sclerosis and other neurologic diseases] Dachsel R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jun;36(6):350-6 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

GAWK, a novel human pituitary polypeptide: isolation, immunocytochemical localization and complete amino acid

NEWARK PUBLIC LIBRARY

sequence. Benjannet S, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):602-9

Neuromedin U-8 and U-25: novel uterus stimulating and hypertensive peptides identified in porcine spinal cord. Minamino N, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1078-85

Neuropeptide K: isolation, structure and biological activities of a novel brain tachykinin. Tatemoto K, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):947-53

Separation of active tubulin and microtubule-associated proteins by ultracentrifugation and isolation of a component causing the formation of microtubule bundles. Hamel E, et al. **Biochemistry** 1984 Aug 28;23(18):4173-84

Purification and characterization of a basic 23 kDa cytosolic protein from bovine brain. Bernier I, et al. **Biochim Biophys Acta** 1984 Oct 23;790(2):174-81

Sequence analysis of neurohormone D, a neuropeptide of an insect, Periplaneta americana. Baumann E, et al. **Biomed Biochim Acta** 1984;43(7):K13-6

Theoretical interpretation of extraction (in brain) of peptides including concentration variations. Sharma RR, et al. **Brain Res** 1984 Aug 13;308(2):201-14

Identification of a novel force-generating protein, kinesin, involved in microtubule-based motility. Vale RD, et al. **Cell** 1985 Aug;42(1):39-50

Chromatographic characterisation of neurotensin-like immunoreactivity in plasma and tissue extracts from hepatoma patients. Lee YC, et al. **Clin Chim Acta** 1985 Jun 30;149(1):29-36

Neuropeptide Y: a novel renal peptide with vasoconstrictor and natriuretic activity. Allen JM, et al. **Clin Sci** 1985 Apr; 68(4):373-7

Isolation of crustacean erythrophore concentrating hormone from nerve tissue of Homarus americanus. Jaffe H, et al. **Comp Biochem Physiol [C]** 1984;78(2):397-401

Purification and properties of 100-kd proteins from coated vesicles and their reconstitution with clathrin. Pearse BM, et al. **EMBO J** 1984 Sep;3(9):1951-7

Partial purification from mammalian peripheral nerve of a trophic factor that ameliorates atrophy of denervated muscle. Davis HL, et al. **Exp Neurol** 1985 Jul;89(1):159-71

Modulation of protein kinases and phosphoprotein phosphatases by a small acidic protein from bovine brains. Kuo WN, et al. **Experientia** 1985 May 15;41(5):622-3

beta-Granins: 21 kDa co-secreted peptides of the insulin granule closely related to adrenal medullary chromogranin A. Hutton JC, et al. **FEBS Lett** 1985 Sep 2;188(2):336-40

Purification of two astroglial growth factors from bovine brain. Pettmann B, et al. **FEBS Lett** 1985 Sep 9;189(1):102-8

Isolation and characterization of neuropeptide Y from porcine intestine. Tatemoto K, et al. **FEBS Lett** 1985 Jan 1;179(1):181-4

33K protein--an inhibitory factor of tubulin polymerization in porcine brain. Kotani S, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):959-69

Purification of cofilin, a 21,000 molecular weight actin-binding protein, from porcine kidney and identification of the cofilin-binding site in the actin sequence. Muneyuki E, et al. **J Biochem (Tokyo)** 1985 Feb; 97(2):563-8

DARPP-32, a dopamine- and adenosine 3':5'-monophosphate-regulated neuronal phosphoprotein. I. Amino acid sequence around the phosphorylated threonine. Hemmings HC Jr, et al. **J Biol Chem** 1984 Dec 10;259(23):14486-90

Purification and characterization of GP-55, a protein associated with actin-based cytoplasmic gels derived from brain tissue. Saborio JL, et al. **J Biol Chem** 1985 Jul 15; 260(14):8627-36

MAP3: characterization of a novel microtubule-associated protein. Huber G, et al. **J Cell Biol** 1985 Feb;100(2):496-507

Solubilization of proteins from bovine brain coated vesicles by protein perturbants and Triton X-100. Wiedenmann B, et al. **J Cell Biol** 1985 Jul;101(1):12-8

Use of TSK-SW columns for the high-performance liquid chromatographic analysis of proteins, isolated from sympathetic nerves and fractionated by fractogel TSK-HW chromatography. Purification of L-DOPA decarboxylase. Husseini HS, et al. **J Chromatogr** 1984 Aug 3;297:375-83

Purification of the chick eye ciliary neuronotrophic factor. Barbin G, et al. **J Neurochem** 1984 Nov;43(5):1468-78

Separation of neuropeptides by HPLC: evaluation of different supports, with analytical and preparative applications to human and porcine neurophysins, beta-lipotropin, adrenocorticotropic hormone, and beta-endorphin. Richter WO, et al. **J Neurochem** 1985 Jun;44(6):1697-703

Demonstration and distribution of kassinin-like material (substance K) in the rat central nervous system. Shults CW, et al. **J Neurochem** 1985 Aug;45(2):552-8

New light on synapsin I [news] Rodnight R. **Nature** 1985 May 30-Jun 5;315(6018):371-2

Protein III, a neuron-specific phosphoprotein: variant forms found in human brain. Perdahl E, et al. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):425-31

Tissue distribution and molecular forms of a novel pituitary protein in the rat. Iguchi H, et al. **Neuroendocrinology** 1984 Nov;39(5):453-8

Purification and characterization of a human T-lymphocyte-derived glial growth-promoting factor. Benveniste EN, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(11):3930-4

The presence in pig brain of an endogenous equivalent of apamin, the bee venom peptide that specifically blocks Ca2+-dependent K+ channels. Fosset M, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7228-32

A 38,000-dalton membrane protein (p38) present in synaptic vesicles. Jahn R, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):4137-41

Partial characterization of the neurotrophic factor for maintenance of acetylcholinesterase and butyrylcholinesterase in the preganglionically denervated superior cervical ganglion of the cat in vivo. Koelle GB, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6539-42

'Anxiety peptide' found in brain [news] Marx JL. **Science** 1985 Feb 22;227(4689):934

[Detection and isolation of glycoproteins and nuclear proteins in the bovine brain] Mekhtiev AA, et al. **Biokhimiia** 1984 Dec;49(12):1959-64 (Eng. Abstr.) **(Rus)**

[Isolation of a peptide initiating burst activity in an identified neuron of Helix pomatia] Osipenko ON. **Neirofiziologiia** 1984;16(4):488-92 (Eng. Abstr.) **(Rus)**

METABOLISM

Distribution of neurotensin-like immunoreactivity in the hypothalamus, pituitary gland, and gastro-intestinal tract of rats. Muraki K, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):1-5

Brain neurotransmitters and neuropeptides in Parkinson's disease. Rinne UK, et al. **Acta Physiol Pharmacol Latinoam** 1984;34(3):287-99

Neuropeptide Y: immunocytochemical localization to and effect upon feline pial arteries and veins in vitro and in situ. Edvinsson L, et al. **Acta Physiol Scand** 1984 Oct; 122(2):155-63

Nervous control of the release of neurotensin-like immunoreactivity from the small intestine of the rat. Al-Saffar A, et al. **Acta Physiol Scand** 1984 Sep;122(1):1-6

Capsaicin treatment decreases tissue levels of neurokinin A-like immunoreactivity in the guinea pig. Theodorsson-Norheim E, et al. **Acta Physiol Scand** 1985 May;124(1):129-31

The mechanism of binding of neural cell adhesion molecules. Hoffman S, et al. **Adv Exp Med Biol** 1984;181:147-60

Chromogranin-reactive endocrine cells in argyrophilic carcinomas ('carcinoids') and normal tissue of the breast. Bussolati G, et al. **Am J Pathol** 1985 Aug;120(2):186-92

Brain methylation and epileptogenesis: the case of methionine sulfoximine. Sellinger OZ, et al. **Ann Neurol** 1984;16 Suppl:S115-20

Immunoreactive helodermin-like peptides in rat: a new class of mammalian neuropeptides related to secretin and VIP. Robberecht P, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):333-42

An HPLC/push-pull perfusion technique for investigating peptide metabolism. Singh AV, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):37-42

Neuropeptide K: a major tachykinin in plasma and tumor tissues from carcinoid patients. Theodorsson-Norheim E, et al. **Biochem Biophys Res Commun** 1985 Aug 30; 131(1):77-83

Substance K and substance P as possible endogenous substrates of angiotensin converting enzyme in the brain. Thiele EA, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):317-24

Phalloidin and tropomyosin do not prevent actin filament shortening by the 90 kD protein-actin complex from brain. Verkhovsky AB, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):596-603

The metabolism of neuropeptides. The hydrolysis of peptides, including enkephalins, tachykinins and their analogues, by endopeptidase-24.11. Matsas R, et al. **Biochem J** 1984 Oct 15;223(2):433-40

Are there neuropeptide-specific peptidases? Turner AJ, et al. **Biochem Pharmacol** 1985 May 1;34(9):1347-56 (104 ref.)

Metabolism of neuropeptides at brain and pituitary sites. Edwardson JA, et al. **Biochem Soc Trans** 1985 Feb; 13(1):50-3

Function and distribution of peptides in the nervous system. Iversen LL. **Biochem Soc Trans** 1985 Feb;13(1):35-7

Endopeptidase-24.11 and neuropeptide metabolism. Turner AJ, et al. **Biochem Soc Trans** 1985 Feb;13(1):39-42

Cofilin, a protein in porcine brain that binds to actin filaments and inhibits their interactions with myosin and tropomyosin. Nishida E, et al. **Biochemistry** 1984 Oct 23; 23(22):5307-13

Controlled proteolysis of tubulin by subtilisin: localization of the site for MAP2 interaction. Serrano L, et al. **Biochemistry** 1984 Sep 25;23(20):4675-81

Equilibrium constant for binding of an actin filament capping protein to the barbed end of actin filaments. Wanger M, et al. **Biochemistry** 1985 Feb 12;24(4):1035-40

High-affinity microtubule protein-higher organism DNA complexes. Many-fold enrichment in repetitive mouse DNA sequences comprised of satellite DNAs. Marx KA, et al. **Biochim Biophys Acta** 1984 Dec 14;783(3):283-92

Quantitative autoradiography of [125I] apamin binding sites in the central nervous system. Janicki PK, et al. **Biomed Biochim Acta** 1984;43(12):1371-5

Inhibition of brain protein fucosylation by sulfated sugar molecules. Jork R, et al. **Biomed Biochim Acta** 1985; 44(4):537-45

Changes in the incorporation of [3H]leucine into proteins of rat hippocampus subregions during the acquisition of a brightness discrimination are lateralized. Lössner B, et al. **Biomed Biochim Acta** 1984;43(12):1405-15

Dopamine stimulated glycosylation of brain proteins in vitro is inhibited only partially by dopamine receptor antagonists. Lössner B, et al. **Biomed Biochim Acta** 1984;43(6):775-87

Dopamine stimulated fucosylation of rat hippocampal proteins in vitro. A histoautoradiographic study. Pohle W, et al. **Biomed Biochim Acta** 1985;44(4):527-35

Protein kinase C phosphorylates a 47 Mr protein (F1) directly related to synaptic plasticity. Akers RF, et al. **Brain Res** 1985 May 13;334(1):147-51

Dissociation of neuropeptide Y and somatostatin in Parkinson's disease. Allen JM, et al. **Brain Res** 1985 Jun 24;337(1):197-200

Neuropeptide Y in the stria terminalis: evidence for an amygdalofugal projection. Allen YS, et al. **Brain Res** 1984 Nov 12;321(2):357-62

An arcuato-paraventricular and -dorsomedial hypothalamic neuropeptide Y-containing system which lacks noradrenaline in the rat. Bai FL, et al. **Brain Res** 1985 Apr 1;331(1):172-5

An immunocytochemical study of the distribution of some plasma proteins within the developing forebrain of the pig with special reference to the neocortex. Cavanagh ME, et al. **Brain Res** 1985 Jan;349(1-2):183-94

Synthesis and fast axonal transport of proteins in the isolated Aplysia nervous system. Drake PF, et al. **Brain Res** 1985 Apr 15;332(1):47-57

Phosphorylation of the postsynaptic density glycoprotein gp180 by endogenous tyrosine kinase. Gurd JW. **Brain Res** 1985 May 6;333(2):385-8

Immunohistochemical localization of chick retinal 24 kdalton protein (visinin) in various vertebrate retinae. Hatakenaka S, et al. **Brain Res** 1985 Apr 8;331(2):209-15

Ca2+-activated protease activity in frog sciatic nerve: characterization and effect on rapidly transported axonal proteins. Kanje M, et al. **Brain Res** 1985 Feb 18; 327(1-2):29-36

Occurrence of calcitonin gene-related peptide in the chicken amacrine cells. Kiyama H, et al. **Brain Res** 1985 Feb 18; 327(1-2):367-9

Coexistence of calcitonin gene-related peptide and substance P-like peptide in single cells of the trigeminal ganglion of the rat: immunohistochemical analysis. Lee Y, et al. **Brain Res** 1985 Mar 18;330(1):194-6

Partial characterization of endogenous phosphorylation conditions for hen brain cytosolic and membrane proteins. Patton SE, et al. **Brain Res** 1985 Feb 25;328(1):1-14

Evidence for a 'paravascular' fluid circulation in the mammalian central nervous system, provided by the rapid distribution of tracer protein throughout the brain from the subarachnoid space. Rennels ML, et al. **Brain Res** 1985 Feb 4;326(1):47-63

Proteins in fast axonal transport are differentially transported in branches of sensory nerves. Rulli RD, et al. **Brain Res** 1985 May 27;335(1):165-8

Multiple populations of neuropeptide-containing cells in cultures of the bovine adrenal medulla. Siegel RE, et al. **Brain Res** 1985 Jan;349(1-2):267-70

Chromogranin immunoreactivity in the central nervous system. Immunochemical characterisation, distribution and relationship to catecholamine and enkephalin pathways. Somogyi P, et al. **Brain Res** 1984 Dec;320(2-3):193-230

Immunohistochemical evidence for the coexistence of calcitonin gene-related peptide- and choline acetyltransferase-like immunoreactivity in neurons of the rat hypoglossal, facial and ambiguus nuclei. Takami K, et al. **Brain Res** 1985 Mar 4;328(2):386-9

Glial polypeptides transferred into the squid giant axon. Tytell M, et al. **Brain Res** 1984 Dec 24;324(2):223-32

Ontogeny of neuropeptides in the nucleus ventromedialis hypothalami of the rat: an immunohistochemical analysis. Yamano M, et al. **Brain Res** 1984 Nov;318(2):253-62

Distribution of neuropeptide Y in the lower brainstem: an immunohistochemical analysis. Yamazoe M, et al. **Brain Res** 1985 May 27;335(1):109-20

Alteration of hippocampal B50 phosphorylation after adrenalectomy. Dokas LA, et al. **Brain Res Bull** 1984 Jul; 13(1):33-8

Proteins of fast axonal transport in the regenerating hypoglossal nerve of the rat. Redshaw JD, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1387-93

The subpopulation of brain coated vesicles that carries synaptic vesicle proteins contains two unique polypeptides. Pfeffer SR, et al. **Cell** 1985 Apr;40(4):949-57

Nerve-cell-specific proteins in teratocarcinoma-derived neuroblastomas and embryonic brain. Blüthmann H. **Cell Differ** 1984 Dec;15(2-4):169-73

Detection of a nerve-specific membrane protein on differentiating PCC3/A/1 cells. Zákány J, et al. **Cell Differ** 1984 Dec;15(2-4):141-5

Distribution of neuropeptides in the hypothalamo-hypophyseal system in the rat: an immunohistochemical observation. Bai FL, et al. **Cell Mol Biol** 1984;30(5):437-52 (90 ref.)

Phosphorylation of the alpha subunit of the sodium channel by protein kinase C. Costa MR, et al. **Cell Mol Neurobiol** 1984 Sep;4(3):291-7

Fast axonal transport of tyrosine sulfate-containing proteins: preferential routing of sulfoproteins toward nerve terminals. Stone GC, et al. **Cell Mol Neurobiol** 1984 Sep; 4(3):249-62

Choline acetyltransferase- and peptide immunoreactivity of submucous neurons in the small intestine of the guinea-pig. Furness JB, et al. **Cell Tissue Res** 1984;237(2):329-36

Immunocytochemical demonstration of neuropeptides and serotonin in the tapeworm Diphyllobothrium dendriticum. Gustafsson MK, et al. **Cell Tissue Res** 1985;240(2):255-60

Neuropeptide Y-, substance P- and VIP-immunoreactive nerves in cat spleen in relation to autonomic vascular and volume control. Lundberg JM, et al. **Cell Tissue Res** 1985; 239(1):9-18

Origin and distribution of neuropeptide Y-, vasoactive intestinal polypeptide-and substance P-containing nerve fibers in the urinary bladder of the rat. Mattiasson A, et al. **Cell Tissue Res** 1985;239(1):141-6

Distribution and colocalization of neuropeptide Y- and tyrosine hydroxylase-like immunoreactivity in the guinea-pig heart. Sternini C, et al. **Cell Tissue Res** 1985; 241(1):93-102

Regulatory peptides (SP, NT, VIP, PHI, ENK) of autonomic nerves in the guinea pig heart. Reinecke M, et al. **Clin Exp Hypertens** [A] 1984;6(10-11):1867-71

Altered neuropeptide concentrations in spontaneously hypertensive rats: cause or consequence? Gaida W, et al. **Clin Sci** 1985 Jan;68(1):35-43

Nerve growth factor changes the relative levels of neuropeptides in developing sensory and sympathetic ganglia of the chick embryo. Hayashi M, et al. **Dev Biol** 1985 Mar;108(1):49-55

Effects of ovarian hormones on the concentrations of immunoreactive neuropeptide Y in discrete brain regions of the female rat: correlation with serum luteinizing hormone (LH) and median eminence LH-releasing hormone. Crowley WR, et al. **Endocrinology** 1985 Sep; 117(3):1151-5

Immunocytochemical studies of the peptidergic innervation of the thyroid gland in the Brattleboro rat. Hedge GA, et al. **Endocrinology** 1984 Dec;115(6):2071-6

Neuropeptide Y receptor in the rat brain. Undén A, et al. **Eur J Biochem** 1984 Dec 17;145(3):525-30

Visualization of calcitonin gene-related peptide receptors in the rat brain. Dawbarn D, et al. **Eur J Pharmacol** 1985 May 20;111(3):407-8

Evidence for specific neuropeptide Y-binding sites in rat brain synaptosomes. Saria A, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):105-7

Proteins synthesized in medial hypothalamus and transported to midbrain in estrogen-treated female rats. Pfaff D, et al. **Exp Brain Res** 1984;57(1):204-7

Changes in substance P- and neuropeptide Y-immunoreactive fibres in rat and guinea-pig irides following unilateral sympathectomy. Zhang SQ, et al. **Exp Eye Res** 1984 Sep;39(3):365-72

Characterization of protein F1 (47 kDa, 4.5 pI): a kinase C substrate directly related to neural plasticity. Nelson RB, et al. **Exp Neurol** 1985 Jul;89(1):213-24

Comparison of the effects of sciatic nerve crush or resection on the proteins of fast axonal transport in rat dorsal root ganglion cell axons. Redshaw JD, et al. **Exp Neurol** 1985 May;88(2):437-46

Methylation of hippocampal phosphatidylethanolamine and proteins during long-lasting potentiation. Benjamin AM, et al. **Experientia** 1985 Feb 15;41(2):278-80

Regulation of neuropeptide Y (NPY) binding by guanine nucleotides in the rat cerebral cortex. Undén A, et al. **FEBS Lett** 1984 Nov 5;177(1):125-8

Ultrastructural localization of monoamines and peptides in rat area postrema. Pickel VM, et al. **Fed Proc** 1984 Dec; 43(15):2949-51

Neuropeptide Y-like immunoreactive structures in the rat stomach with special reference to the noradrenaline neuron system. Lee Y, et al. **Gastroenterology** 1985 Jul;89(1):118-26

Antibodies to neurofilament protein and other brain proteins reveal the innervation of peripheral organs. Hacker GW, et al. **Histochemistry** 1985;82(6):581-93

Cooperative interactions in neurophysin-neuropeptide hormone complexes. Analytical affinity chromatography of native and covalently-modified neurophysins. Abercrombie DM, et al. **Int J Pept Protein Res** 1984 Sep; 24(3):218-32

Purification and characterization of a calcium-activated neutral protease from monkey brain and its action on neuropeptides. Hirao T, et al. **J Biochem (Tokyo)** 1984 Sep; 96(3):775-84

Stage-specific polypeptides in the developing mouse brain as demonstrated by two-dimensional gel electrophoresis. Noguchi S, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):881-6

DARPP-32, a dopamine- and adenosine 3':5'-monophosphate-regulated neuronal phosphoprotein. II. Comparison of the kinetics of phosphorylation of DARPP-32 and phosphatase inhibitor 1. Hemmings HC Jr, et al. **J Biol Chem** 1984 Dec 10;259(23):14491-7

Contrasting roles of tau and microtubule-associated protein 2 in the vinblastine-induced aggregation of brain tubulin. Ludueña RF, et al. **J Biol Chem** 1984 Oct 25; 259(20):12890-8

Cell-substratum adhesion in chick neural retina depends upon protein-heparan sulfate interactions. Cole GJ, et al. **J Cell Biol** 1985 Apr;100(4):1192-9

Proteins transported in slow components a and b of axonal transport are distributed differently in the transverse plane of the axon. Heriot K, et al. **J Cell Biol** 1985 Apr; 100(4):1167-72

N-CAM at the vertebrate neuromuscular junction. Rieger F, et al. **J Cell Biol** 1985 Jul;101(1):285-93

Initial appearance and regional distribution of the neuron-glia cell adhesion molecule in the chick embryo. Thiery JP, et al. **J Cell Biol** 1985 Feb;100(2):442-56

Increased content of neuropeptide Y in human pheochromocytoma cell cultures. Tischler AS, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):303-5

Peptide neurons in the canine small intestine. Daniel EE, et al. **J Comp Neurol** 1985 Jul 8;237(2):227-38

Distribution and origin of calcitonin gene-related peptide (CGRP) immunoreactivity in the sensory innervation of the mammalian eye. Terenghi G, et al. **J Comp Neurol** 1985 Mar 22;233(4):506-16

Neuropeptides and astroglia in intracerebral hippocampal transplants: an immunohistochemical study in the rat. Zimmer J, et al. **J Comp Neurol** 1984 Aug 10;227(3):331-47

Simultaneous identification of two different neuropeptides using a combined PAP and protein A-gold technique in the rat neurohypophysis. Shioda S, et al. **J Electron Microsc (Tokyo)** 1984;33(1):72-5

Arginine-rich proteins in spherical inclusions of human locus coeruleus neurons demonstrated by benzil modification. Panayotacopoulou MT, et al. **J Histochem Cytochem** 1984 Nov;32(11):1192-6

Morphology of two pairs of identified peptidergic neurons in the buccal ganglia of the mollusc Tritonia diomedea. Masinovsky B, et al. **J Neurobiol** 1985 Jan;16(1):27-39

Is Ca2+-calmodulin-dependent protein phosphorylation in rat brain modulated by carboxylmethylation? Billingsley ML, et al. **J Neurochem** 1985 May;44(5):1442-50

Reduced proteins in temporal cortex in Alzheimer's disease: an electrophoretic study. Borthwick NM, et al. **J Neurochem** 1985 May;44(5):1436-41

Temporal profiles of proteins responsive to transient ischemia. Dienel GA, et al. **J Neurochem** 1985 Feb; 44(2):600-10

Posttranslational incorporation of [14C]arginine into rat brain proteins. Acceptor changes during development. Hallak ME, et al. **J Neurochem** 1985 Mar;44(3):665-9

Wheat germ agglutinin inhibits the effects of nerve growth factor on the phosphorylation of proteins in PC12h cells. Hashimoto S, et al. **J Neurochem** 1985 Sep;45(3):906-12

Regulation of phosphate incorporation into four brain phosphoproteins that are affected by experience. Lyn-Cook BD, et al. **J Neurochem** 1985 Feb;44(2):552-9

Purification and characterization of a neuropeptide-degrading aminopeptidase from human brain. McDermott JR, et al. **J Neurochem** 1985 Sep;45(3):752-9

Changes in the expression of a neuronal surface protein during development of cerebellar neurones in vivo and in culture. Meier E, et al. **J Neurochem** 1984 Nov; 43(5):1328-35

Blood-brain barrier protein phosphorylation and dephosphorylation. Pardridge WM, et al. **J Neurochem** 1985 Oct;45(4):1141-7

Effects of undernutrition and thyroid state on the ontogenetic changes of D1, D2, and D3 brain-specific proteins in rat cerebellum. Patel AJ, et al. **J Neurochem** 1985 May; 44(5):1581-7

Changes in protein content of goldfish optic nerve during degeneration and regeneration following nerve crush. Perry GW, et al. **J Neurochem** 1985 Apr;44(4):1142-51

Depolarisation-dependent protein phosphorylation and dephosphorylation in rat cortical synaptosomes is modulated by calcium. Robinson PJ, et al. **J Neurochem** 1985 Feb;44(2):338-48

Two acidic proteins associated with brain development in chick embryo. Shirao T, et al. **J Neurochem** 1985 Apr; 44(4):1210-6

Nonmyelin-forming Schwann cells coexpress surface proteins and intermediate filaments not found in myelin-forming cells: a study of Ran-2, A5E3 antigen and glial fibrillary acidic protein. Jessen KR, et al. **J Neurocytol** 1984 Dec;13(6):923-34

Amino acid uptake by dorsal root ganglia from streptozotocin-diabetic rats. Thomas PK, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):912-6

DNA binding protein profiles in Alzheimer's disease. Wetmur JG, et al. **J Neurol Sci** 1984 Nov-Dec;66(2-3):201-8

Ontogenetic changes in the cyclic adenosine 3',5'-monophosphate-stimulatable phosphorylation of cat visual cortex proteins, particularly of microtubule-associated protein 2 (MAP 2): effects of normal and dark rearing and of the exposure to light. Aoki C, et al. **J Neurosci** 1985 Sep;5(9):2465-83

Characterization of the prodynorphin and proenkephalin neuropeptide systems in rat hippocampus. Chavkin C, et al. **J Neurosci** 1985 Mar;5(3):808-16

Localization in mammalian brain of G-substrate, a specific substrate for guanosine 3',5'-cyclic monophosphate-dependent protein kinase. Detre JA, et al. **J Neurosci** 1984 Nov;4(11):2843-9

Evidence for differential localization of noradrenaline and neuropeptide Y in neuronal storage vesicles isolated from rat vas deferens. Fried G, et al. **J Neurosci** 1985 Feb; 5(2):450-8

Specific changes in axonally transported proteins during regeneration of the frog (Xenopus laevis) optic nerve. Szaro BG, et al. **J Neurosci** 1985 Jan;5(1):192-208

A simple and economical method for studying protein phosphorylation in vivo in the rat brain. Rodnight R, et al. **J Neurosci Methods** 1985 Apr;13(2):87-95

Distribution and quantitation of immunoreactive gut neuropeptides in piebald mice and their normal littermates. Kaufman BH, et al. **J Surg Res** 1985 May;38(5):479-83

Ultrastructural links between scrapie and Alzheimer's disease. Somerville RA. **Lancet** 1985 Mar 2;1(8427):504-6

Specific 3H-DMCM binding to a non-benzodiazepine binding site after silver ion treatment of rat brain membranes. Honoré T, et al. **Life Sci** 1984 Nov 26; 35(22):2257-67

Presynaptic neurones may contribute a unique glycoprotein to the extracellular matrix at the synapse. Caroni P, et al. **Nature** 1985 Apr 4-10;314(6010):441-3

Relative postmortem stability of spinal motoneuronal proteins detectable by two-dimensional electrophoresis. Brock TO, et al. **Neurochem Pathol** 1985 Spring;3(1):1-14

On the disposition of a phosphorylated protein ('synapsin I') and its associated kinases in synaptosomes from rat brain. Rodnight R, et al. **Neurochem Res** 1984 Jun;9(6):771-83

Cyclic nucleotide- and calcium-independent phosphorylation of proteins in rat brain polyribosome: effects of ACTH, spermine, and hemin. Schrama LH, et al. **Neurochem Res** 1984 Sep;9(9):1267-81

Metabolic studies in vitro of the CNS cytoskeletal proteins: synthesis and degradation. Smith ME, et al. **Neurochem Res** 1984 Oct;9(10):1493-507

Association of [14C]glutamate with the protein components of synaptic membrane preparations. Turpeenoja L, et al. **Neurochem Res** 1985 Jan;10(1):99-106

Biotransformation of neuropeptides. Griffths EC, et al. **Neuroendocrinology** 1984 Dec;39(6):573-81

The effects of etorphine on the carboxylmethylation of synaptosomal proteins of rat striatum. Nakashima T, et al. **Neuropeptides** 1984 Dec;5(1-3):53-6

Multiple tachykinin receptors in guinea pig brain. High densities of substance K (neurokinin A) binding sites in the substantia nigra. Quirion R, et al. **Neuropeptides** 1985 Jun;6(3):191-204

Release of NPY-like immunoreactive material from primary cultures of chromaffin cells prepared from bovine adrenal medulla. Kataoka Y, et al. **Neuropharmacology** 1985 Jul; 24(7):693-5

Coexistence of neuropeptide Y and somatostatin in rat and human cortical and rat hypothalamic neurons. Chronwall BM, et al. **Neurosci Lett** 1984 Dec 21;52(3):213-7

Localization of calcitonin gene-related peptide-like immunoreactivity in neurons of the rat gastrointestinal tract. Clague JR, et al. **Neurosci Lett** 1985 May 1;56(1):63-8

Peripheral projections and neuropeptide coexistence in a subpopulation of fluoride-resistant acid phosphatase reactive spinal primary sensory neurons. Dalsgaard CJ, et al. **Neurosci Lett** 1984 Sep 28;51(1):139-44

Co-localization of calcitonin gene-related peptide-like immunoreactivity with substance P in cutaneous, vascular and visceral sensory neurons of guinea pigs. Gibbins IL, et al. **Neurosci Lett** 1985 Jun 12;57(2):125-30

Calcitonin gene-related peptide is present in mammalian cerebrovascular nerve fibres and dilates pial and peripheral arteries. Hanko J, et al. **Neurosci Lett** 1985 Jun 4;57(1):91-5

Rat sensory ganglia incorporate radiolabelled amino acids into substance K (neurokinin alpha) in vitro. Harmar AJ, et al. **Neurosci Lett** 1984 Oct 26;51(3):387-91

Neuropeptide Y-like immunoreactivity in cultured intrinsic neurones of the heart. Hassall CJ, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):111-5

Substance K and substance P in the ventral tegmental area. Kalivas PW, et al. **Neurosci Lett** 1985 Jun 24;57(3):241-6

Neuropeptide Y innervation of the rodent pineal gland and cerebral blood vessels. Schon F, et al. **Neurosci Lett** 1985 Jun 4;57(1):65-71

Immunoreactive calcitonin gene-related peptide and substance P coexist in sensory neurons to the spinal cord and interact in spinal behavioral responses of the rat. Wiesenfeld-Hallin Z, et al. **Neurosci Lett** 1984 Nov 23; 52(1-2):199-204

Fast axonal transport of membrane protein and intra-axonal diffusion of free leucine in a neuron of Aplysia. Koike H, et al. **Neurosci Res** 1985 Apr;2(4):281-5

In vivo phosphorylation of postsynaptic density proteins. Berman RF, et al. **Neuroscience** 1984 Nov;13(3):965-71

Localization of chick retinal 24,000 dalton protein (visinin)-like immunoreactivity in the rat lower brain stem. Kiyama H, et al. **Neuroscience** 1985 Feb;14(2):547-56

Effect of peripheral nerve section and nerve crush on spinal cord neuropeptides in the rat; increased VIP and PHI in the dorsal horn. McGregor GP, et al. **Neuroscience** 1984 Sep;13(1):207-16

Immunohistochemical analysis of the early ontogeny of the neuropeptide Y system in rat brain. Woodhams PL, et al. **Neuroscience** 1985 May;15(1):173-202

Distribution of six neuropeptides in the nucleus tractus solitarii of the rat: an immunohistochemical analysis. Yamazoe M, et al. **Neuroscience** 1984 Dec;13(4):1243-66

Axonal projections and peptide content of steroid hormone concentrating neurons. Morrell JI, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:227-39 (78 ref.)

Neuropeptides in the hypothalamo-hypophyseal system: lateral retrochiasmatic area as a common gate for neuronal fibers towards the median eminence. Palkovits M. **Peptides (Fayetteville)** 1984;5 Suppl 1:35-9 (47 ref.)

Implications of neuropeptides in neurological diseases. Sagar SM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:255-62 (79 ref.)

EWARK PUBLIC LIBRA

Distinct binding sites for substance P and neurokinin A (substance K): co–transmitters in rat brain. Shults CW, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):343–5

Peptide– and non–peptide–containing unmyelinated primary afferents: the parallel processing of nociceptive information. Hunt SP, et al. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):283–9

Differential expression of distinct microtubule–associated proteins during brain development. Riederer B, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):6006–9

Calcitonin gene–related peptide and its binding sites in the human central nervous system and pituitary. Tschopp FA, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):248–52

VIP and PHI coexist with an NPY–like peptide in intramural neurones of the small intestine. Ekblad E, et al. **Regul Pept** 1984 Dec;10(1):47–55

Regional distribution and in vivo release of tachykinin–like immunoreactivities in rat brain: evidence for regional differences in relative proportions of tachykinins. Lindefors N, et al. **Regul Pept** 1985 Mar;10(2–3):217–30

Neuropeptide Y–like immunoreactivity in perivascular nerve fibres of the guinea–pig. Uddman R, et al. **Regul Pept** 1985 Mar;10(2–3):243–57

Interaction of calcitonin and calcitonin gene–related peptide at receptor sites in target tissues. Goltzman D, et al. **Science** 1985 Mar 15;227(4692):1343–5

Synapsin I in nerve terminals: selective association with small synaptic vesicles. Navone F, et al. **Science** 1984 Dec 7; 226(4679):1209–11

Intracellular stimulation of an identified neuron evokes cardioacceleratory peptide release. Tublitz NJ, et al. **Science** 1985 May 24;228(4702):1013–5

Effect of chronic ethanol administration on brain protein breakdown in mice in vivo. Toth E, et al. **Subst Alcohol Actions Misuse** 1984;5(4):175–83

Chromogranin A: studies in the endocrine system. O'Connor DT, et al. **Trans Assoc Am Physicians** 1984;97:242–50

Peptide–containing nerves in human urinary bladder. Gu J, et al. **Urology** 1984 Oct;24(4):353–7

[The coexistence of neuropeptides and catecholamines in the adrenal gland. Research on paracrine effects on adrenal cortex cells] Leboulenger F, et al. **Ann Endocrinol (Paris)** 1984;45(3):217–27 (85 ref.) (Eng. Abstr.) **(Fre)**

[Coexistence of peptides and classical neurotransmitters] Pelletier G. **Ann Endocrinol (Paris)** 1984;45(3):173–4 **(Fre)**

[Immunohistochemical arguments in favor of co–localization of neuropeptides in hypothalamo–infundibular neuron systems] Tramu G, et al. **Ann Endocrinol (Paris)** 1984; 45(3):175–87 (50 ref.) (Eng. Abstr.) **(Fre)**

[Enkephalinase, an enzyme in the catabolism of neuropeptides and circulating hormones] Deschodt–Lanckman M. **Rev Med Brux** 1985 Jun;6(6):389–92 (Eng. Abstr.) **(Fre)**

[Neuroendocrine correlations in the pathogenesis and pathology of Parkinson disease] Pinessi L, et al. **Minerva Med** 1984 Nov 3;75(42):2539–42 (Eng. Abstr.) **(Ita)**

[Neuroendocrinologic aspects of epilepsy] Pinessi L, et al. **Minerva Med** 1984 Nov 3;75(42):2533–7 (Eng. Abstr.) **(Ita)**

[Biochemical study of experimental peripheral neuropathy. The sequence of changes of peripheral nerve protein in Wallerian degeneration and regeneration] Shimizu Y. **Rinsho Shinkeigaku** 1984 Sep;24(9):872–9 (Eng. Abstr.) **(Jpn)**

[Neurotransmitters and neuropeptides in schizophrenia] Toru M, et al. **Tanpakushitsu Kakusan Koso** 1984 Dec; 29(14):1838–54 (150 ref.) **(Jpn)**

[Water–soluble proteins of the subesophageal ganglionic complex in the edible snail in the early stages of learning] Grinkevich LN, et al. **Biull Eksp Biol Med** 1984 Oct; 98(10):429–31 (Eng. Abstr.) **(Rus)**

[Effect of antisynaptosome antibodies on the metabolism of synaptosomal proteins] Lokhmatov VI, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):288–9 (Eng. Abstr.) **(Rus)**

[Protein metabolism in the cerebral hemispheres during the emotional–algesic stress.] Yakushev VS, et al. **Ukr Biokhim Zh** 1985 Mar–Apr;57(2):15–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Pre– and postjunctional effects of NPY on sympathetic control of rat femoral artery. Lundberg JM, et al. **Acta Physiol Scand** 1985 Apr;123(4):511–3

Effects of neuropeptide Y (NPY) on mechanical activity and neurotransmission in the heart, vas deferens and urinary bladder of the guinea–pig. Lundberg JM, et al. **Acta Physiol Scand** 1984 Aug;121(4):325–32

Neuropeptide action in nucleus tractus solitarius: angiotensin specificity and hypertensive rats. Casto R, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):R341–7

Hylambatin, a structurally unique tachykinin: effects on insulin and glucagon secretion. Güllner HG, et al. **Arch Int Pharmacodyn Ther** 1984 Dec;272(2):304–9

Neuropeptides with vascular activity: VIP, PHI, NPY and substance P. Lundberg JM, et al. **Bibl Cardiol** 1984; (38):60–9

Mammalian tachykinin–induced hydrolysis of inositol phospholipids in rat brain slices. Hunter JC, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):616–22

Modulation of the activity of purified phosphatidylinositol 4–phosphate kinase by phosphorylated and dephosphorylated B–50 protein. Van Dongen CJ, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1219–27

Neuropeptide Y potentiates the effect of various vasoconstrictor agents on rabbit blood vessels. Edvinsson L, et al. **Br J Pharmacol** 1984 Oct;83(2):519–25

Interaction between trophic action and electrical activity in spinal cord cultures. Brenneman DE, et al. **Brain Res** 1984 Aug;317(2):211–7

Altered body temperature of rabbits after central injection of beta–endorphin and other peptides. Glyn–Ballinger JR, et al. **Brain Res** 1985 May 6;333(2):366–8

Substance K excites dopaminergic and non–dopaminergic neurons in rat substantia nigra. Innis RB, et al. **Brain Res** 1985 Jun 3;335(2):381–3

The effects of neurotensin, vasoactive intestinal polypeptide and other neuropeptides on the secretion of somatostatin from cerebral cortical cells. Robbins RJ, et al. **Brain Res** 1985 Apr 15;332(1):161–4

Neuronotrophic factors: effects on central cholinergic regeneration in vivo. Schonfeld AR, et al. **Brain Res** 1985 Jun 17;336(2):297–301

Neurotrophic stimulation of fetal rat retinal explant neurite outgrowth and cell survival: age–dependent relationships. Turner JE. **Brain Res** 1985 Feb;350(1–2):251–63

Promotion of neurite outgrowth and cell survival in dissociated fetal rat retinal cultures by a fraction derived from a brain extract. Turner JE. **Brain Res** 1985 Feb; 350(1–2):265–74

Neuronotrophic and neurite–promoting factors: effects on early postnatal chromaffin cells from rat adrenal medulla. Unsicker K, et al. **Brain Res** 1985 Jan;349(1–2):117–29

Airway mucus: composition and regulation of its secretion by neuropeptides in vitro. Coles SJ, et al. **Ciba Found Symp** 1984;109:40–60 (28 ref.)

Cardiovascular actions of four neuropeptides in the rat hypothalamus. Diz DI, et al. **Clin Exp Hypertens [A]** 1984; 6(10–11):2085–90

Evidence for a modulation by neuropeptide Y of the alpha–2 adrenergic transmission line in central adrenaline synapses. New possibilities for treatment of hypertensive disorders. Fuxe K, et al. **Clin Exp Hypertens [A]** 1984;6(10–11):1951–6

Studies on neuropeptide–Y catecholamine interactions in central cardiovascular regulation in the alpha–chloralose anaesthetized rat. Evidence for a possible new way of activating the alpha–2 adrenergic transmission line. Härfstrand A, et al. **Clin Exp Hypertens [A]** 1984; 6(10–11):1947–50

Cardiovascular effects of the hog pineal E5 peptide in rats. Haulica I, et al. **Clin Exp Hypertens [A]** 1984; 6(10–11):2091–6

Effects of intracerebroventricular administration of biological active peptides on plasma renin activity in conscious rats. Iwata T, et al. **Clin Exp Hypertens [A]** 1984; 6(10–11):1787–90

The cardiovascular effects of neuropeptide Y (NPY). Petty MA, et al. **Clin Exp Hypertens [A]** 1984;6(10–11):1889–92

Effects of peptide YY and neuropeptide Y on gastric emptying in man. Allen JM, et al. **Digestion** 1984; 30(4):255–62

Polypeptide activators of cholesterol side–chain cleavage. Pedersen RC. **Endocr Res** 1984–85;10(3–4):533–61 (88 ref.)

Calcitonin gene–related peptide mimics calcitonin actions in brain on growth hormone release and feeding. Tannenbaum GS, et al. **Endocrinology** 1985 Jun;116(6):2685–7

The antiproliferative effect of rat hypothalamic extract. Pawlikowski M, et al. **Endokrynol Pol** 1984;35(3):139–43

Neuropeptide Y (NPY): enhancement of blood pressure increase upon alpha–adrenoceptor activation and direct pressor effects in pithed rats. Dahlöf C, et al. **Eur J Pharmacol** 1985 Feb 26;109(2):289–92

Neuropeptide Y (NPY): an endogenous modulator of non–adrenergic transmission in rat vas deferens? Huidobro–Toro JP, et al. **Eur J Pharmacol** 1985 Feb 26; 109(2):317–8

Neuropeptide action on the guinea–pig bladder; a comparison with the effects of field stimulation and ATP. Mackenzie I, et al. **Eur J Pharmacol** 1984 Oct 1;105(1–2):85–94

Interaction of tachykinins with an adrenergic receptor in the rat urinary bladder. Mathison R, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):327–33

Effect of a novel tachykinin, substance K, on salivation in rats. Takano Y, et al. **Eur J Pharmacol** 1985 May 20; 111(3):381–3

Purified proteins acting on cultured chick embryo ciliary ganglion neurons. Manthorpe M, et al. **Fed Proc** 1985 Sep; 44(12):2753–9

Calcitonin gene related peptide inhibits basal, pentagastrin, histamine, and bethanecol stimulated gastric acid secretion. Lenz HJ, et al. **Gut** 1985 Jun;26(6):550–5

Effect of substance P and other tachykinins on arterial pressure in guinea–pigs. Hancock JC, et al. **J Auton Pharmacol** 1985 Mar;5(1):25–30

Modulation of macrophage–mediated tumoricidal activity by neuropeptides and neurohormones. Koff WC, et al. **J Immunol** 1985 Jul;135(1):350–4

Mast cell heterogeneity: effects of neuroenteric peptides on histamine release. Shanahan F, et al. **J Immunol** 1985 Aug; 135(2):1331–7

Dissociated neurons regenerate into sciatic but not optic nerve explants in culture irrespective of neurotrophic factors. Schwab ME, et al. **J Neurosci** 1985 Sep; 5(9):2415–23

Inhibition of brain tubulinyl–tyrosine carboxypeptidase by endogenous proteins. Modesti NM, et al. **J Neurosci Res** 1984;12(4):583–93

Neuropeptide Y potentiates noradrenaline–evoked vasoconstriction: mode of action. Wahlestedt C, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):735–41

Multiple actions of a molluscan cardioexcitatory neuropeptide and related peptides on identified Helix neurones. Cottrell GA, et al. **J Physiol (Lond)** 1984 Nov; 356:315–33

Vasoconstrictor effect of neuropeptide Y (NPY) on canine coronary artery. Aizawa Y, et al. **Jpn Circ J** 1985 Jun; 49(6):584–8

Effect of neuroactive peptides on labeled 5–hydroxytryptamine release from rat spinal slices in vitro. Tsai HY, et al. **Jpn J Pharmacol** 1984 Aug;35(4):403–6

Neuropeptide Y and cerebral blood flow [letter] Tuor UI, et al. **Lancet** 1985 Jun 1;1(8440):1271

Comparison of the effects of neuropeptide Y and adrenergic transmitters on LH release and food intake in male rats. Allen LG, et al. **Life Sci** 1985 Aug 19;37(7):617–23

The effects of centrally administered neuropeptides on the development of gastric lesions in the rat. Nakane T, et al. **Life Sci** 1985 Mar 25;36(12):1197–203

Neuropeptide Y: stimulation of feeding and drinking by injection into the paraventricular nucleus. Stanley BG, et al. **Life Sci** 1984 Dec 24;35(26):2635–42

Activation of Manduca sexta corpora allata in vitro by a cerebral neuropeptide. Granger NA, et al. **Mol Cell Endocrinol** 1984 Oct;37(3):349–58

Effects of opiates and neuropeptides on immune functions. Faith RE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:300–11 (34 ref.)

Calcitonin gene–related peptide is a potent vasodilator. Brain SD, et al. **Nature** 1985 Jan 3–9;313(5997):54–6

Stimulation of connective tissue cell growth by substance P and substance K. Nilsson J, et al. **Nature** 1985 May 2–8; 315(6014):61–3

Neuropeptide Y (NPY) reduces field stimulation–evoked release of noradrenaline and enhances force of contraction in the rat portal vein. Dahlöf C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):327–30

Comparison of cardiovascular and bronchoconstrictor effects of substance P, substance K and other tachykinins. Hua X, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):196–201

Excitatory neuropeptides activate opioid mechanisms in the guinea pig ileum. Garzón J, et al. **Neuropeptides** 1985 Feb; 5(4–6):583–6

Neuropeptides and social behavior of rats tested in dyadic encounters. Niesink RJ, et al. **Neuropeptides** 1984 Nov; 4(6):483–96

The myotropic and plasma–calcium modulating effects of calcitonin gene–related peptide (CGRP). Tippins JR, et al. **Neuropeptides** 1984 Sep;4(5):425–34

A brain octadecaneuropeptide generated by tryptic digestion of DBI (diazepam binding inhibitor) functions as a proconflict ligand of benzodiazepine recognition sites. Ferrero P, et al. **Neuropharmacology** 1984 Nov; 23(11):1359–62

Neuropeptide Y: role in light–dark cycle entrainment of hamster circadian rhythms. Albers HE, et al. **Neurosci Lett** 1984 Sep 7;50(1–3):163–8

Pharmacological characterization of novel mammalian tachykinins, neurokinin alpha and neurokinin beta. Kimura S, et al. **Neurosci Res** 1984 Dec;2(1–2):97–104

The excitatory action of the newly–discovered mammalian tachykinins, neurokinin alpha and neurokinin beta, on neurons of the isolated spinal cord of the newborn rat. Matsuto T, et al. **Neurosci Res** 1984 Dec;2(1–2):105–10

Intraventricular calcitonin gene–related peptide inhibits gastric acid secretion. Hughes JJ, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):665–7

Effects of calcitonin gene–related peptide on food intake. Krahn DD, et al. **Peptides (Fayetteville)** 1984 Sep–Oct; 5(5):861–4

Neuropeptide Y: a potent inducer of consummatory behavior in rats. Levine AS, et al. **Peptides (Fayetteville)** 1984 Nov–Dec;5(6):1025–9

Peptides from regenerating central nervous system promote specific populations of macroglia. Giulian D, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4287–90

Intraterminal injection of synapsin I or calcium/calmodulin–dependent protein kinase II alters neurotransmitter release at the squid giant synapse. Llinás R, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):3035–9

Neuropeptide Y affects secretion of luteinizing hormone and growth hormone in ovariectomized rats. McDonald JK, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):561–4

Neuropeptide Y injected in the paraventricular hypothalamus: a powerful stimulant of feeding behavior. Stanley BG, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(11):3940–3

Infusion of a novel peptide, calcitonin gene–related peptide (CGRP) in man. Pharmacokinetics and effects on gastric acid secretion and on gastrointestinal hormones. Kraenzlin ME, et al. **Regul Pept** 1985 Mar;10(2–3):189–97

Calcitonin gene–related peptide acts within the central nervous system to inhibit gastric acid secretion. Lenz HJ, et al. **Regul Pept** 1984 Nov;9(4):271-7

Neuropeptides as central integrators of autonomic nerve activity: effects of TRH, SRIF, VIP and bombesin on gastric and adrenal nerves. Somiya H, et al. **Regul Pept** 1984 Sep;9(1-2):47-52

[Action of synthetic hypophyseal neuropeptides on the work of the human visual analyzer] Kolbanov VV, et al. **Fiziol Cheloveka** 1984 May-Jun;10(3):358-63 **(Rus)**

PHYSIOLOGY

Neurochemical basis of auditory fatigue: a new hypothesis. Ylikoski J, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):353-62 (77 ref.)

Osmotic properties of the chromogranins and relation to osmotic pressure in catecholamine storage granules. Helle KB, et al. **Acta Physiol Scand** 1985 Jan;123(1):21-33

Receptor for calcitonin gene-related peptide: binding to exocrine pancreas mediates biological actions. Seifert H, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):G147-51

Role of some CNS peptides in the development of experimental alcoholism. Burov YuV, et al. **Ann Ist Super Sanita** 1984;20(1):103-7

Neuronal plasticity: a major factor in the restoration of brain function after injury. Toffano G, et al. **Ann Ist Super Sanita** 1984;20(1):93-8

Phosphoprotein regulation of memory formation: enhancement and control of synaptic plasticity by protein kinase C and protein F1. Routtenberg A. **Ann NY Acad Sci** 1985;444:203-11

Neuropeptides in identified Aplysia neurons. Kaldany RR, et al. **Annu Rev Neurosci** 1985;8:431-55 (162 ref.)

Neuropeptide function: the invertebrate contribution. O'Shea M, et al. **Annu Rev Neurosci** 1985;8:171-98 (104 ref.)

Abstracts: The neural and metabolic bases of feeding. Napa Valley, California, 7-9 October, 1984. A satellite symposium of the 14th annual meeting of the Society for Neuroscience. **Appetite** 1985 Jun;6(2):171-216

Selective increase in phosphorylation of a 47-kDa protein (F1) directly related to long-term potentiation. Routtenberg A, et al. **Behav Neural Biol** 1985 Jan;43(1):3-11

Purinergic and peptidergic vasomotor mechanisms in the brain. Hardebo JE, et al. **Bibl Cardiol** 1984;(38):128-37 (50 ref.)

PC12 neurite regeneration and long-term maintenance in the absence of exogenous nerve growth factor in response to contact with Schwann cells. Cochran M, et al. **Brain Res** 1985 Jan;349(1-2):105-16

Enhancement of central cholinergic sprouting by prior injury: correlation with endogenous trophic content of hippocampus. Schonfeld AR, et al. **Brain Res** 1984 Nov 12;321(2):377-80

Peptides as central regulators of feeding. Morley JE, et al. **Brain Res Bull** 1985 Jun;14(6):511-9 (108 ref.)

The role of brain extracellular proteins in neuroplasticity and learning. Shashoua VE. **Cell Mol Neurobiol** 1985 Jun;5(1-2):183-207

Occurrence and distribution of neuropeptide-Y-immunoreactive nerves in the respiratory tract and middle ear. Uddman R, et al. **Cell Tissue Res** 1984;237(2):321-7

Symposium on neuropeptides and blood pressure control. Heidelberg, Federal Republic of Germany, June 12-14, 1984. **Clin Exp Hypertens [A]** 1984;6(10-11):1699-2140

Neuropeptide abnormalities suggest a dopaminergic basis for high blood pressure in the spontaneously hypertensive rat. Hutchinson JS, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):2055-8

Neuropeptide Y and noradrenaline interaction in peripheral cardiovascular control. Lundberg JM, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):1961-72

Aspects of neurohormonal peptides. Anand P, et al. **Clin Physiol** 1985 Apr;5(2):111-20 (34 ref.)

The putative role of neuropeptides in hyperreactivity and inflammation. Pernow B. **Eur J Anaesthesiol** 1985 Jun;2(2):155-67 (58 ref.)

Involvement of spot 35 protein, a cerebellar protein, in modulation of Purkinje cell activity of the rat cerebellum. Maruyama S, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):309-13

Mitogenic activity of glia maturation factor. Interaction with insulin and insulin-like growth factor-II. Lim R, et al. **Exp Cell Res** 1985 Aug;159(2):335-43

Glia maturation factor influences recovery from injury in neonatal rat brains. Lim R, et al. **Experientia** 1985 Mar 15;41(3):412-5

Opioids and neuropeptides: mechanisms in circulatory shock. Bernton EW, et al. **Fed Proc** 1985 Feb;44(2):290-9 (86 ref.)

Neuropeptidergic regulation of food intake. Introduction. Levine AS, et al. **Fed Proc** 1984 Nov;43(14):2888

Neuropeptides and appetite: contribution of neuropharmacological modeling. Morley JE, et al. **Fed Proc** 1984 Nov;43(14):2903-7 (46 ref.)

Neuropeptides in dopamine-containing regions of the brain. Albanese A, et al. **Ital J Neurol Sci** 1984 Dec;5(4):391-404 (176 ref.)

Interaction of peptides present in perivascular nerves on the smooth muscle of cat cerebral arteries and on the stimulation-evoked efflux of 3H-noradrenaline. Edvinsson L, et al. **J Auton Pharmacol** 1984 Sep;4(3):193-8

Cell-substratum adhesion in embryonic chick central nervous system is mediated by a 170,000-mol-wt neural-specific polypeptide. Cole GJ, et al. **J Cell Biol** 1984 Nov;99(5):1605-12

Peptide hormones shared by the neuroendocrine and immunologic systems. Blalock JE, et al. **J Immunol** 1985 Aug;135(2 Suppl):858s-861s

Neuropeptides and other mediators in the central nervous system. Bloom FE. **J Immunol** 1985 Aug;135(2 Suppl):743s-745s

Noradrenergic and peptidergic innervation of lymphoid tissue. Felten DL, et al. **J Immunol** 1985 Aug;135(2 Suppl):755s-765s (73 ref.)

Neuropeptide regulation of the expression of immediate hypersensitivity. Goetzl EJ, et al. **J Immunol** 1985 Aug;135(2 Suppl):802s-805s

Role of tachykinins in neurogenic inflammation. Pernow B. **J Immunol** 1985 Aug;135(2 Suppl):812s-815s

Neuropeptides and their receptors: a psychosomatic network. Pert CB, et al. **J Immunol** 1985 Aug;135(2 Suppl):820s-826s

Evolutionary origins of neuropeptides, hormones, and receptors: possible applications to immunology. Roth J, et al. **J Immunol** 1985 Aug;135(2 Suppl):816s-819s

Isolation of neuropeptide-containing vesicles from the guinea pig ileum. Agoston DV, et al. **J Neurochem** 1985 Aug;45(2):398-406

Role of the central nervous system neuropeptides in body fluid homeostasis. Palkovits M. **J Physiol (Paris)** 1984;79(6):428-31 (22 ref.)

Calcitonin gene-related peptide [editorial] **Lancet** 1985 Jul 6;2(8445):25-6

The neuropeptide concept. de Wied D. **Maturitas** 1984 Nov;6(3):217-23 (27 ref.)

Neuropeptides and appetite regulation. Morley JE, et al. **Med J Aust** 1985 Apr 1;142(7 Suppl):S11-3

Skeleton key to memory? [news] Burns NR. **Nature** 1985 Jan 17-23;313(5999):178-9

Growth factors. Neuropeptides as mitogens [news] Hanley MR. **Nature** 1985 May 2-8;315(6014):14-5

Brain-gut neuropeptides and the limitation of ethanol consumption. Kulkosky PJ. **Neurosci Biobehav Rev** 1985 Summer;9(2):179-90 (212 ref.)

Guanethidine-sensitive release of neuropeptide Y-like immunoreactivity in the cat spleen by sympathetic nerve stimulation. Lundberg JM, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):175-80

A suggested role for copper in the biological activity of neuropeptides. Pettit LD, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):53-6

Prolonged non-adrenergic inhibition of cardiac vagal action following sympathetic stimulation: neuromodulation by neuropeptide Y? Potter EK. **Neurosci Lett** 1985 Mar 15;54(2-3):117-21

Immunocytochemical demonstration of a homology in peptidergic neurosecretory cells in the suboesophageal ganglion of a beetle and a locust with antisera to bovine pancreatic polypeptide, FMRFamide, vasopressin and alpha-MSH. Veenstra JA. **Neurosci Lett** 1984 Jul 27;48(2):185-90

Neuropeptides in human memory and learning processes. Zager EL, et al. **Neurosurgery** 1985 Aug;17(2):355-69 (177 ref.)

Effects of chlordecone administration on brain and pituitary peptide systems. Hong JS, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):167-82

Brain-endocrine interaction V. The Schmitt brain symposium. 'Neuropeptides: central and peripheral'.Proceedings of the Fifth Brain-Endocrine Interaction Symposium. Wurzburg, Federal Republic of Germany, July 27-29, 1983. **Peptides (Fayetteville)** 1984;5 Suppl 1:1-281

Misleading concepts in the field of brain peptides. Kastin AJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:249-53 (51 ref.)

Recent studies on the role of brain peptides in control of anterior pituitary hormone secretion. McCann SM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:3-7 (41 ref.)

Two endogenous neuropeptides modulate the gill and siphon withdrawal reflex in Aplysia by presynaptic facilitation involving cAMP-dependent closure of a serotonin-sensitive potassium channel. Abrams TW, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7956-60

Neuropeptide-containing neurons of the cerebral cortex are also GABAergic. Hendry SH, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6526-30

Neuropeptides and schizophrenia: spinal fluid and brain studies. Introduction. van Kammen DP, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985;9(1):53-4

Neuropeptidergic regulation of feeding. Morley JE, et al. **Psychopharmacol Bull** 1985;21(3):400-5

Regulatory peptides in the lower esophageal sphincter of man. Aggestrup S, et al. **Regul Pept** 1985 Mar;10(2-3):167-78

Proteins for all seasons [news] Marx JL. **Science** 1985 Aug 16;229(4714):638-40

[Cytoprotection in the gastrointestinal tract] Wang CC. **Sheng Li Ko Hsueh Chin Chan** 1984 Jan;15(1):5-10 **(Chi)**

[Brain peptides and gastric acid secretion] Zhang JF. **Sheng Li Ko Hsueh Chin Chan** 1984 Jul;15(3):247-50 **(Chi)**

[The coexistence of neuropeptides and catecholamines in the adrenal gland. Research on paracrine effects on adrenal cortex cells] Leboulenger F, et al. **Ann Endocrinol (Paris)** 1984;45(3):217-27 (85 ref.) (Eng. Abstr.) **(Fre)**

[Hypothalamic and gastrointestinal neuropeptides and neurotransmitters] **Verh Dtsch Ges Inn Med** 1984;90 Pt 1:368-415 **(Ger)**

[Neuropeptides and body weight: physiopathologic bases and therapeutic prospectives] Jacobelli A, et al. **Clin Ter** 1985 Feb 28;112(4):369-76 (15 ref.) (Eng. Abstr.) **(Ita)**

[Recent advances in research on substance P and related neuropeptides] Kanazawa I. **No To Hattatsu** 1985 Mar;17(2):94-102 (17 ref.) **(Jpn)**

[Glia maturation factor (GMF) and the malignant proliferation of glioma cells] Ito J, et al. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1955-63 **(Jpn)**

[Neuropeptide and pineal function] Toshio K, et al. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1600-9 (112 ref.) **(Jpn)**

[Inactivation of the postural asymmetry factor at the stage of compensation for the postural disorder induced by unilateral removal of the motor area] Danilovskii MA, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):132-5 (Eng. Abstr.) **(Rus)**

[Dynamics of the activity of the postural asymmetry factor after unilateral damage to the motor area of the cortex] Varlinskaia EI, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):281-3 (Eng. Abstr.) **(Rus)**

[Physiological effects of bombesin] Klimov PK, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):145-70 (119 ref.) (Eng. Abstr.) **(Rus)**

[Effect of blockade of axonal transport on endplate currents of muscle fibers in the frog] Volkov EM, et al. **Neirofiziologiia** 1985;17(2):204-11 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of activation of the dominant motivation of the genetic memory apparatus in an alimentary and defensive functional system] Sudakov SK. **Vestn Akad Med Nauk SSSR** 1985;(2):40-6 (Eng. Abstr.) **(Rus)**

[Peptidergic and sensory mechanisms, parasympathetic and sympathetic nerves] Lundberg JM, et al. **Lakartidningen** 1984 Dec 26;81(52):4939-42 **(Swe)**

SECRETION

Heterogeneity of peptides released by electrically active neuroendocrine caudodorsal cells of Lymnaea stagnalis. Geraerts WP, et al. **Brain Res** 1985 Apr 1;331(1):51-61

Motoneurone survival and neuritic outgrowth promoted by different cell types in embryonic muscle. Nurcombe V, et al. **Brain Res** 1985 Jul;353(1):49-60

Increased sensitivity of rabbit ear artery to noradrenaline following perivascular nerve stimulation may be a response to neuropeptide Y released as cotransmitter. Glover WE. **Clin Exp Pharmacol Physiol** 1985 May-Jun;12(3):227-30

Release of substance P- and substance K-like immunoreactivities from the isolated perfused guinea-pig lung. Saria A, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):207-8

The hyperglycemic neuropeptide of the terrestrial isopod, Porcellio dilatatus. II. Immunocytochemical demonstration in neurosecretory structures of the nervous system. Martin G, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):217-26

Simultaneous monitoring of electrical and secretory activity in peptidergic neurosecretory terminals of the crab. Stuenkel EL. **J Physiol (Lond)** 1985 Feb;359:163-87

[Cultured adrenal chromaffin cells: catecholamines and neuropeptides] Mizobe F. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):956-74 (155 ref.) **(Jpn)**

NERVE TRANSMISSION see **NEURAL TRANSMISSION**

NERVE TRANSMITTER SUBSTANCES see **NEUROREGULATORS**

NERVOUS MICE see **MICE, NEUROLOGIC MUTANTS**

NERVOUS SYSTEM

The formation of three-dimensional biological structures. Computer uses and future needs. Levinthal C. **Ann NY Acad Sci** 1984;426:171-80

Proceedings of the 26th annual meeting of the Japanese Society of Child Neurology. Osaka, June 21-23, 1984. Abstracts. **Brain Dev** 1985;7(2):95-252

ABNORMALITIES

Peculiarities of the bones, muscles, and nervous system of the conjoined twins. Ovtscharoff W, et al. **Anat Anz** 1984;157(1):83-90

A review of the role of cyclic GMP in neurological mutants with photoreceptor dysplasia. Chader GJ, et al. **Curr Eye Res** 1985 Jul;4(7):811-9 (26 ref.)

Mutant alleles at the locus elav in Drosophila melanogaster lead to nervous system defects. A developmental-genetic analysis. Campos AR, et al. **J Neurogenet** 1985 Jun;2(3):197-218

The neuroteratogenicity of procarbazine in the rat: behavioral, morphological, and neurochemical aspects. Johnson JM, et al. **Teratology** 1984 Aug;30(1):1-10

[Neurocristopathy in pediatric neurosurgery] Pařízek J, et al. **Cas Lek Cesk** 1985 Mar 1;124(9):270-1 (Eng. Abstr.)

NEWARK PUBLIC LIBR

(Cze)

ANALYSIS

Molecular forms of cholecystokinin in the nervous system. Brownstein MJ, et al. **Ann NY Acad Sci** 1985;448:9–10

Cholecystokinin in the nervous systems of invertebrates and protochordates. Immunohistochemical localization of a cholecystokinin-8-like substance in annelids and insects. Dhainaut-Courtois N, et al. **Ann NY Acad Sci** 1985; 448:167–87

Cholecystokinin and gastrin forms in the nervous system. Dockray GJ, et al. **Ann NY Acad Sci** 1985;448:32–43

Distribution of cholecystokinin-like immunoreactivity in the nervous system. Co-existence with classical neurotransmitters and other neuropeptides. Hökfelt T, et al. **Ann NY Acad Sci** 1985;448:255–74

Occurrence of beta-endorphin-like immunoreactive cells in the neural complex of a protochordate. Pestarino M. **Cell Mol Biol** 1985;31(1):27–31

Localisation of histamine-immunoreactivity in specific neurones of the gastropod CNS including a cell which has been identified as histaminergic. Osborne NN, et al. **Histochemistry** 1984;81(2):207–8

The structure of murine 7S nerve growth factor: implications for biosynthesis. Isackson PJ, et al. **Int J Neurosci** 1985 Apr;26(1–2):95–108

Biochemical and immunocytological localization of molluscan small cardioactive peptides in the nervous system of Aplysia californica. Lloyd PE, et al. **J Neurosci** 1985 Jul;5(7):1851–61

ANATOMY & HISTOLOGY

Morphological data concerning the acupuncture points and channel network. Bossy J. **Acupunct Electrother Res** 1984; 9(2):79–106 (24 ref.)

Black and white display transparencies of histological sections. Gee G. **J Biol Photogr** 1984 Jul;52(3):63

Neuromuscular relationships in the abdomen of the Californian shore crab Pachygrapsus crassipes. Stephens PJ, et al. **J Neurobiol** 1985 Mar;16(2):127–36

Donor-recipient interconnections between giant nerve fibers in transplanted ventral nerve cords of earthworms. Vining EP, et al. **J Neurobiol** 1985 Jul;16(4):283–99

The subgenus Persicargas (Ixodoidea: Argasidae: Argas): A. (P.) arboreus central nervous system anatomy and histology. Roshdy MA, et al. **J Parasitol** 1984 Oct; 70(5):774–87

Use of the fluorescent retrograde tracer, Granular blue, in crustacean motor system studies. Rossi-Durand C, et al. **Neurosci Lett** 1985 Apr 9;55(2):97–102

[Micromorphology of the nervous system in the trematodes Fasciola hepatica and Dicrocoelium lanceatum] Shipkova LN. **Parazitologiia** 1984 Nov–Dec;18(6):440–4 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Immunocytochemical demonstration of peptidergic neurons in the central and peripheral nervous systems of the flatworm Microstomum lineare with antiserum to FMRF-amide. Reuter M, et al. **Cell Tissue Res** 1984; 238(3):431–6

A subset of cells in the nerve net of Hydra oligactis defined by a monoclonal antibody: its arrangement and development. Dunne JF, et al. **Dev Biol** 1985 May; 109(1):41–53

Neurite formation modulated by nerve growth factor, insulin, and tumor promoter receptors. Ishii DN, et al. **Int J Neurosci** 1985 Apr;26(1–2):109–27

A comparative study of neck muscle motor neurons in a cricket and a locust. Honegger HW, et al. **J Comp Neurol** 1984 Dec 20;230(4):517–35

DRUG EFFECTS

Proceedings from the 1983 Swedish neurotoxicology symposium. Copenhagen, Denmark, April 14–16,1983. **Acta Neurol Scand [Suppl]** 1984;100:1–227

Clinical and experimental neurotoxicity of 2-t-butylazo-2-hydroxy-5-methylhexane. Spencer PS, et al. **Ann Neurol** 1985 Jan;17(1):28–32

Investigation of antiviral activity of 1-beta-D-arabinofuranosylthymine (ara-T) and 1-beta-D-arabinofuranosyl-E-5-(2-bromovinyl)uracil (BV-ara-U) in monkeys infected with simian varicella virus. Soike KF, et al. **Antiviral Res** 1984 Oct;4(5):245–57

Effects of mixed-function oxidase modifiers on neurotoxicity of acrylamide in rats. Srivastava SP, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1099–102

Neurobehavioural effects of repeated occupational exposure to toluene and paint solvents. Cherry N, et al. **Br J Ind Med** 1985 May;42(5):291–300

Experimental study on the enhancement of the neurotoxicity of methyl n-butyl ketone by non-neurotoxic aliphatic monoketones. Misumi J, et al. **Br J Ind Med** 1985 Mar; 42(3):155–61

Neurophysiological studies on workers exposed to lead [letter] Triebig G. **Br J Ind Med** 1985 Jul;42(7):503

Neurophysiological effects of capsaicin. Russell LC, et al. **Brain Res** 1984 Dec;320(2–3):165–76 (100 ref.)

The 2-deoxyglucose uptake method as a first screen for neurotoxic compounds. Muller P, et al. **Can J Physiol Pharmacol** 1984 Aug;62(8):998–1009

Glutamic acid modification of vincristine toxicity. Jackson DV Jr, et al. **Cancer Biochem Biophys** 1984 Sep;7(3):245–52

Effect of calcium ionophore A23187 on the sensitivity of early sea urchin embryos to cytotoxic neuropharmacological drugs. Buznikov GA, et al. **Comp Biochem Physiol [C]** 1984;79(2):425–7

Intraocular pressure, ocular toxicity and neurotoxicity after administration of cannabinol or cannabigerol. Colasanti BK, et al. **Exp Eye Res** 1984 Sep;39(3):251–9

Correlations between in vitro and in vivo mechanisms of pyrethroid insecticide action. Gammon DW. **Fundam Appl Toxicol** 1985 Feb;5(1):9–23 (34 ref.)

Effects of vincristine, maytansine, and cis-platinum on behavioral and electrophysiological indices of neurotoxicity in the rat. Rebert CS, et al. **J Appl Toxicol** 1984 Dec;4(6):330–8

Individual and combined antiepileptic and neurotoxic activity of carbamazepine and carbamazepine-10,11-epoxide in mice. Bourgeois BF, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):411–5

Neurotoxic and antihypertensive effects of phenytoin in turkeys. Simpson CF, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):853–6

The effect of hepatic mixed-function oxidase enzyme inducers on the development of tri-o-tolyl phosphate-induced delayed neurotoxicity. Calabrese LF Jr, et al. **J Toxicol Environ Health** 1984;14(2–3):145–51

Assessment of the delayed neurotoxic potential of isopropyl triphenylphosphate using a nontraditional testing strategy. Sprague GL, et al. **J Toxicol Environ Health** 1984; 14(5–6):773–88

Effect of GABA agonists on the neurotoxicity and anticonvulsant activity of benzodiazepines. Chweh AY, et al. **Life Sci** 1985 Feb 25;36(8):737–44

The effect of praziquantel, an antihelminthicum, on the peptidergic nervous system of the tapeworm Diphyllobothrium dendriticum. Gustafsson MK, et al. **Med Biol** 1985;63(1):28–33

Neurophysiological effects of 30 day chronic exposure to toluene in rats. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1984 Sep–Oct;6(5):363–8

Abstracts of the sixth annual conference of the Hong Kong Society of Neurosciences. Hong Kong, September 6–7, 1984. **Neurosci Lett [Suppl]** 1985;20:S1–52

Pyrethroids and neuroactive pesticides. Proceedings of the Third International Conference on Neurotoxicity of Selected Chemicals. September 9–12, 1984, Little Rock, Arkansas. **Neurotoxicology** 1985 Summer;6(2):1–291

Two mechanisms of pyrethroid action: electrophysiological and pharmacological evidence. Gammon DW, et al. **Neurotoxicology** 1985 Summer;6(2):63–85

Involvement of picrotoxinin receptor in the action of cyclodiene insecticides. Matsumura F. **Neurotoxicology** 1985 Summer;6(2):139–63

Nerve membrane ionic channels as the primary target of pyrethroids. Narahashi T. **Neurotoxicology** 1985 Summer; 6(2):3–22

Physicochemical properties of pyrethroids and specific action-potential changes. Nishimura K, et al. **Neurotoxicology** 1985 Summer;6(2):117–26

Effects of lead exposure on the physiology of neurons. Audesirk G. **Prog Neurobiol** 1985;24(3):199–231 (228 ref.)

Opioid-neurotransmitter interactions: significance in analgesia, tolerance and dependence. Jhamandas KH. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):565–70

The effect of clorgyline on noradrenergic function. Ross RJ, et al. **Psychopharmacology (Berlin)** 1985;85(2):227–30

Variability of neurotoxicity of and lack of tolerance to the anticholinesterases soman and sarin in the rat. Fernando JC, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jun; 48(3):415–30

Action of nicotine on the respiratory activity of the diaphragm and genioglossus muscles and the nerves that innervate them. Haxhiu MA, et al. **Respir Physiol** 1984 Aug;57(2):153–69

Ultrastructural alteration of intrapulmonary nerves after exposure to organic solvents. A contribution to 'sniffers disease'. Schmidt R, et al. **Respiration** 1984;46(4):362–9

Evaluation of long-term consequences in behavioral and/or neural function following neonatal chlordecone exposure. Mactutus CF, et al. **Teratology** 1985 Apr;31(2):177–86

[The neurotoxicity and mutagenicity of phenylmercury acetate and nitrate in single and combined applications in animal studies] Páldy A, et al. **Nahrung** 1985;29(5):537–9 **(Ger)**

[Intensifying effect of repeated pretreatment for delayed neurotoxicity from organophosphorus insecticide cyanofenphos in hens] Yamauchi T, et al. **Nippon Eiseigaku Zasshi** 1984 Aug;39(3):611–20 (Eng. Abstr.) **(Jpn)**

[Neuropharmacological aspects of the regulation of body functions under acoustic stress] Kostiuchenkov VN, et al. **Farmakol Toksikol** 1984 Jul–Aug;47(4):44–6 (Eng. Abstr.) **(Rus)**

[Effect of 5,6-dihydroxytryptamine and 6-hydroxydopamine on the maze behavior of the snail Helix lucroum] Salimova NB, et al. **Zh Vyssh Nerv Deiat** 1984 Sep–Oct;34(5):941–7 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The embryonic development of peripheral neurons in the body wall of the leech Haemopis marmorata. Stewart RR, et al. **Brain Res** 1985 Apr 15;332(1):150–7

Mitochondrial monoamine oxidase activity during preneural developmental stages of Bufo bufo. Senatori O, et al. **Comp Biochem Physiol [C]** 1985;81(2):319–21

Mapping of the early neural primordium in quail-chick chimeras. I. Developmental relationships between placodes, facial ectoderm, and prosencephalon. Couly GF, et al. **Dev Biol** 1985 Aug;110(2):422–39

The accumulation of prominent tadpole mRNAs occurs at the beginning of neurulation in Xenopus laevis embryos. Dworkin MB, et al. **Dev Biol** 1984 Dec;106(2):289–95

Differentiation of primary embryonic neuroblasts in purified neural cell cultures from Drosophila. Furst A, et al. **Dev Biol** 1985 May;109(1):184–92

Neuronal determination during embryonic development of the grasshopper nervous system. Kuwada JY, et al. **Dev Biol** 1985 Jul;110(1):114–26

Developmental interactions between the peripheral and central nervous system in Drosophila melanogaster: analysis of the mutant, two-faced. Lipshitz HD, et al. **Dev Biol** 1985 Jan;107(1):1–12

Differentiation of fiber types in wing muscles during embryonic development: effect of neural tube removal. Phillips WD, et al. **Dev Biol** 1984 Dec;106(2):457–68

Shaping and bending of the avian neuroepithelium: morphometric analyses. Schoenwolf GC. **Dev Biol** 1985 May;109(1):127–39

Development of the major pathways for neurite outgrowth in the chick hindlimb. Tosney KW, et al. **Dev Biol** 1985 May;109(1):193–214

Cell-to-cell contact in primary embryonic induction: effects of lectin on electrical coupling and neural induction. Suzuki AS, et al. **Differentiation** 1984;28(1):73–7

Neural fold and neural crest movement in the Mexican salamander Ambystoma mexicanum. Brun RB. **J Exp Zool** 1985 Apr;234(1):57–61

Regulation in the neural plate of Xenopus laevis demonstrated by genetic markers. Szaro B, et al. **J Exp Zool** 1985 Apr;234(1):117–29

Innervation of the early pelvic fin bud of the trout embryo, Salmo gairdneri. Géraudie J. **J Morphol** 1985 Apr; 184(1):61–73

Direct electrical stimulation promotes growth and enhances survival of aneurogenic muscles of the chick embryo. Bloom JW, et al. **J Neurosci** 1985 Feb;5(2):414–20

What guides growing axons? [news] Summerbell D, et al. **Nature** 1985 May 30–Jun 5;315(6018):368–9

Roles for neurotransmitters in development: possible interaction with drugs during the fetal and neonatal periods. Lauder JM. **Prog Clin Biol Res** 1985;163C:375–80

[The value of ultrasonography in the study of neurologic maturation] Awoust J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(3):224–8 **(Fre)**

ENZYMOLOGY

Inhibitors of crayfish glutamic acid decarboxylase. Grossfeld RM, et al. **Neurochem Res** 1984 Jul;9(7):947–63

A simple acetylcholinesterase method for staining in toto the nervous system in rat fetuses and a procedure for embedding stained fetuses in transparent epoxy resin. Bloot J, et al. **Stain Technol** 1984 Jul;59(4):246–9

[Acetylcholinesterase and choline acetyltransferase in the nervous system of rabbits predisposed to cardiovascular disorders under emotional stress] Petrova NV, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):415–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Intracranial hemorrhage and neurodevelopmental outcome at one year in infants weighing 1200 grams or less. Prognostic significance of ventriculomegaly at term gestational age. Bozynski ME, et al. **Am J Perinatol** 1984 Jul;1(4):325–30

Relating molecular specificity to normal and abnormal brain development. Levitt P. **Ann NY Acad Sci** 1985;450:239–46

Cell lineage in the development of invertebrate nervous systems. Stent GS, et al. **Annu Rev Neurosci** 1985;8:45–70 (89 ref.)

Some immature tetanus toxin-positive cells share antigenic properties with subclasses of glial cells. An immunofluorescence study in the developing nervous system of the mouse using a new monoclonal antibody S1. Schnitzer J, et al. **Brain Res** 1984 Nov;318(2):203–17

Activity-dependent synaptic stabilization in development and learning: how similar the mechanisms? Schmidt JT. **Cell Mol Neurobiol** 1985 Jun;5(1–2):1–3

Neonatal and neurodevelopmental significance of behaviour in very low birthweight children. Astbury J, et al. **Early Hum Dev** 1985 Jul;11(2):113–21

Neurobehavioral development following aluminum administration in infant rabbits. Petit TL, et al. **Exp Neurol** 1985 Jun;88(3):640–51

Genetics and development of the nervous system. Harris WA. **J Neurogenet** 1985 Jun;2(3):179–96 (38 ref.)

Alterations in neural cell adhesion molecules during development of different regions of the nervous system. Chuong CM, et al. **J Neurosci** 1984 Sep;4(9):2354–68

Differential emergence of cellular mechanisms mediating habituation and sensitization in the developing Aplysia nervous system. Rayport SG, et al. **J Neurosci** 1984 Oct;4(10):2528–32

Naltrexone's influence on neurobehavioral development. Zagon IS, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):441–8

[Our plastic nervous system] Andersen P, et al. **Tidsskr Nor Laegeforen** 1985 Feb 28;105(6):407–10 (Eng. Abstr.) **(Nor)**

IMMUNOLOGY

Applications of monoclonal antibodies to neuroscience research. Valentino KL, et al. **Annu Rev Neurosci** 1985;8:199–232 (216 ref.)

Antineuronal antibodies in neuropsychiatric systemic lupus erythematosus. How A, et al. **Arthritis Rheum** 1985 Jul;28(7):789–95

Distribution of P2 antigen in neural and non-neural bovine tissues. Eaton RB, et al. **Immunol Commun** 1984;13(4):337–50

The species distribution of nervous system antigens that react with anti-myelin-associated glycoprotein antibodies. O'Shannessy DJ, et al. **J Neuroimmunol** 1985 Sep;9(5):255–68

The immune system 'belongs in the body' [news] Marx JL. **Science** 1985 Mar 8;227(4691):1190–2

INJURIES

Nerve fiber planimetry in acute and chronic nerve lesions and in nerve lesions in continuity. Guelinckx PJ, et al. **Plast Reconstr Surg** 1985 Oct;76(4):499–509

Promoting functional plasticity in the damaged nervous system. Freed WJ, et al. **Science** 1985 Mar 29;227(4694):1544–52

[Status and tasks of neurology/psychiatry in internal military medicine] Fanter H, et al. **Z Gesamte Inn Med** 1985 Jan 15;40(2):58–60 (Eng. Abstr.) **(Ger)**

[Relation of myopia to nervous system pathology in children] Berezina TG, et al. **Oftalmol Zh** 1984;(7):419–21 (Eng. Abstr.) **(Rus)**

METABOLISM

Cytofluorescence localization of propidium iodide injected intravenously into the nervous system of the mouse. Hussain ST, et al. **Acta Neuropathol (Berl)** 1985;66(1):62–7

Use of autoradiographic techniques for the localization of neurotransmitter receptors in brain and periphery: recent applications. Gehlert DR, et al. **Adv Exp Med Biol** 1984;175:255–70

Immunohistological demonstration of S-100 protein in the cutaneous nervous system. Hachisuka H, et al. **Anat Rec** 1984 Dec;210(4):639–46

The biosynthesis of cholecystokinin in neural tissue. Goltermann NR. **Ann NY Acad Sci** 1985;448:76–86 (95 ref.)

Modification of opioid ligand binding in the central and the peripheral nervous system by different buffers. Bourhim N, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):328–33

Synthesis and fast axonal transport of proteins in the isolated Aplysia nervous system. Drake PF, et al. **Brain Res** 1985 Apr 15;332(1):47–57

Distribution of the ganglioside GD3 in the human nervous system detected by R24 mouse monoclonal antibody. Graus F, et al. **Brain Res** 1984 Dec 17;324(1):190–4

Developmental expression of GD3 and polysialogangliosides in embryonic chicken nervous tissue reacting with monoclonal antiganglioside antibodies. Rösner H, et al. **Brain Res** 1985 Feb;350(1-2):85–95

Differential modulation of the expression of axonal proteins by non-neuronal cells of the peripheral and central nervous system. Sonderegger P, et al. **EMBO J** 1985 Jun;4(6):1395–401

The hyperglycemic factor of the CNS of the freshwater snail Lymnaea stagnalis: interaction with glucose stimulation of glycogen synthesis and evidence for its release during anaerobiosis. Hemminga MA, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):301–7

Peptide-immunoreactive nerves in the mammalian female genital tract. Huang WM, et al. **Histochem J** 1984 Dec;16(12):1297–310

FMRFamide immunoreactivity in the nervous system of the medusa Polyorchis penicillatus. Grimmelikhuijzen CJ, et al. **J Comp Neurol** 1984 Dec 10;230(3):361–71

Serotoninlike immunoreactivity in the cestode Hymenolepis diminuta. Webb RA, et al. **J Comp Neurol** 1985 Apr 22;234(4):431–40

Effects of L-DOPA on the concentrations of free and sulfoconjugated catecholamines in plasma, cerebrospinal fluid, urine, and central and peripheral nervous system tissues of the rat. Buu NT, et al. **J Neurochem** 1985 Mar;44(3):787–92

Microcomputer-assisted densitometer for quantitative receptor autoradiography. Berck DJ, et al. **J Neurosci Methods** 1985 May;13(3-4):171–81

Elemental mapping of human nervous tissue using the scanning proton microprobe. Ilgren EB, et al. **J Neurosci Methods** 1984 Nov;12(1):25–8

Role of membrane lipid asymmetry in aging. By F. Schroeder. Peer commentaries. **Neurobiol Aging** 1984 Winter;5(4):334–55

Role of membrane lipid asymmetry in aging. Schroeder F. **Neurobiol Aging** 1984 Winter;5(4):323–33 (180 ref.)

Ultrastructural demonstration of serotonin-immunoreactivity in the nervous system of an insect (Calliphora erythrocephala). Nässel DR, et al. **Neurosci Lett** 1984 Jul 27;48(2):203–10

Serotonergic terminals in the neural sheath of the blowfly nervous system: electron microscopical immunocytochemistry and 5,7-dihydroxytryptamine labelling. Nässel DR, et al. **Neuroscience** 1985 May;15(1):293–307

Characteristics of neuronal release of ATP. White TD. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(4-6):487–93 (43 ref.)

Neuropharmacology of buspirone. Riblet LA, et al. **Psychopathology** 1984;17 Suppl 3:69–78

[Neurochemistry of lipids in the nervous system, fatty acids in particular. Neurotoxicologic prospects] Bourre JM. **C R Soc Biol (Paris)** 1984;178(6):595–611 (61 ref.) (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Mechanisms and consequences of virus persistence in the human nervous system. ter Meulen V, et al. **Ann NY Acad Sci** 1984;436:86–97 (79 ref.)

PATHOLOGY

Neuronal intranuclear hyaline inclusion disease presenting as Friedreich's ataxia. Soffer D. **Acta Neuropathol (Berl)** 1985;65(3-4):322–9

Is Werdnig-Hoffmann disease a pure lower motor neuron disorder? Towfighi J, et al. **Acta Neuropathol (Berl)** 1985;65(3-4):270–80

Neuronal intranuclear inclusion disease in two adult siblings [letter] Bird TD, et al. **Ann Neurol** 1985 Feb;17(2):212–3

Familial occurrence of amyotrophic lateral sclerosis, parkinsonism, and dementia. Schmitt HP, et al. **Ann Neurol** 1984 Dec;16(6):642–8

The neuropathology of 'typical' Friedreich's ataxia in Quebec. Lamarche JB, et al. **Can J Neurol Sci** 1984 Nov;11(4 Suppl):592–600

Progressive myoclonic epilepsy, nerve deafness and spinal muscular atrophy. Lance JW, et al. **Clin Exp Neurol** 1984;20:141–51

Multiple system atrophy with neuronal intranuclear hyaline inclusions. Report of a case and review of the literature. Patel H, et al. **J Neurol Sci** 1985 Jan;67(1):57–65

Adoptively transferred chronic relapsing experimental autoimmune encephalomyelitis in the mouse. Neuropathologic analysis. Raine CS, et al. **Lab Invest** 1984 Nov;51(5):534–46

The pathology of toxic axonal neuropathy: a clinical-experimental link. Sterman AB. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):463–6

[Morphological changes in the nervous system in acute peroral chlorophos poisoning] Akimov GA, et al. **Arkh Patol** 1985;47(1):44–51 (Eng. Abstr.) **(Rus)**

[Morphologic changes in the nervous system in acute carbophos poisoning] Akimov GA, et al. **Zh Nevropatol Psikhiatr** 1985;85(7):1011–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Role of the nervous system in regulation of the sarcoplasmic membrane function in different muscle fibres. Heiner L, et al. **Acta Physiol Hung** 1984;64(2):129–33

A neural network model of multistable perception. Kawamoto AH, et al. **Acta Psychol (Amst)** 1985 May;59(1):35–65

Measurement of central somatosensory conduction time in patients undergoing cardiopulmonary bypass: an index of neurologic function. Kopf GS, et al. **Am J Surg** 1985 Apr;149(4):445–8

The effects of pelvic neurectomy on collagen in the cervix of the pseudopregnant rat. Burden HW, et al. **Anat Rec** 1984 Dec;210(4):575–81

Vertebrate neuroethology: definitions and paradigms. Ingle D, et al. **Annu Rev Neurosci** 1985;8:457–94 (162 ref.)

Neuropeptide function: the invertebrate contribution. O'Shea M, et al. **Annu Rev Neurosci** 1985;8:171–98 (104 ref.)

Oscillatory neural networks. Selverston AI, et al. **Annu Rev Physiol** 1985;47:29–48 (93 ref.)

Interneuronal relations within and between cortical areas during conditioning in cats. Gassanov UG, et al. **Behav Brain Res** 1985 Apr;15(2):137–46

Computer simulation of a cerebellar cortex compartment. I. General principles and properties of a neural net. Dunin-Barkowski WL, et al. **Biol Cybern** 1985;51(6):399–406

'Neural' computation of decisions in optimization problems. Hopfield JJ, et al. **Biol Cybern** 1985;52(3):141–52

Identification and estimation algorithm for stochastic neural system. II. Nakao M, et al. **Biol Cybern** 1985;52(2):71–8

Identification and estimation algorithm for stochastic neural system. Nakao M, et al. **Biol Cybern** 1984;50(4):241–9

Design and fitting of neural network transfer functions. Schor RH. **Biol Cybern** 1985;51(6):357–62

Evoked responses—a neurophysiological indicator of depth of anaesthesia? [editorial] Sebel PS, et al. **Br J Anaesth** 1985 Sep;57(9):841–2

Hypothalamo-cerebellar and cerebello-hypothalamic pathways: a review and hypothesis concerning cerebellar circuits which may influence autonomic centers affective behavior. Haines DE, et al. **Brain Behav Evol** 1984;24(4):198–220

Analyzing cockroach escape behavior with lesions of individual giant interneurons. Comer CM. **Brain Res** 1985 Jun 3;335(2):342–6

Information trains. The technique and its uses in spike train and network analysis, with examples taken from the nucleus parabrachialis medialis during sleep-waking states. Frostig RD, et al. **Brain Res** 1984 Nov 19;322(1):67–74

Neural organization of the viscero-cardiac reflexes. Szulczyk P, et al. **Brain Res** 1985 Feb 11;326(2):261–71

The neural and metabolic basis of feeding. Satellite symposium of the annual meetings of the Society for Neuroscience. October 7-9, 1984. **Brain Res Bull** 1985 Jun;14(6):503–700

Motor skill: feedback, knowledge, and structural issues. MacKenzie CL, et al. **Can J Psychol** 1985 Jun;39(2):313–37 (97 ref.)

Perinatal variables and neurodevelopmental outcomes with preterm births. McCarton CM, et al. **Clin Obstet Gynecol** 1984 Sep;27(3):664–71

Timing pulse and sampling programs implemented on a laboratory microcomputer. Leung LW. **Comput Programs Biomed** 1985;19(2-3):143–50

Neural modeling and model identification. Sanderson AC, et al. **Crit Rev Biomed Eng** 1985;12(3):237–309 (368 ref.)

Neurological examination of newborn foals. Adams R, et al. **Equine Vet J** 1984 Jul;16(4):306–12

Schemas for the temporal organization of behaviour. Arbib MA. **Hum Neurobiol** 1985;4(2):63–72

Effect of high-frequency current on nerve and muscle tissue. Lacourse JR, et al. **IEEE Trans Biomed Eng** 1985 Jan;32(1):82–6

Single microelectrode analysis of electrically coupled networks. Publicover NG. **IEEE Trans Biomed Eng** 1985 Jul;32(7):491–6

Temporal stability of multichannel, multimodal ERP recordings. Lewis GW. **Int J Neurosci** 1984 Dec;25(1-2):131–44

Characteristics of the nerve growth factor receptors and a nerve growth factor receptor—nerve growth factor covalent complex. Stach RW, et al. **Int J Neurosci** 1985 Apr;26(1-2):87–94

Spacetime body maps and somatosensory evoked potentials. Stowell H. **Int J Neurosci** 1984 Dec;25(1-2):47–52

Experiments on the neuropsychology of thirst. Malmo RB, et al. **Int J Psychophysiol** 1983 Aug;1(1):25–48

Basic neurophysiology of motor skills in sport: a review. Henatsch HD, et al. **Int J Sports Med** 1985 Feb;6(1):2–14 (48 ref.)

Multiple synaptic receptors for neuroactive amino acid transmitters—new vistas. Sharif NA. **Int Rev Neurobiol** 1985;26:85–150 (312 ref.)

Introduction to the symposium on endorphins and neurotransmitters. Goldstein M. **J Am Osteopath Assoc** 1984 Sep;84(1 Suppl):96–7

Control of the central swallowing program by inputs from the peripheral receptors. A review. Jean A. **J Auton Nerv Syst** 1984 May-Jun;10(3-4):225–33 (34 ref.)

Electrical stimulation of the starfish's radial nerve in vitro induces the release of a gonadotrophin. DeSantis M, et al. **J Exp Zool** 1984 Sep;231(3):423–7

Neuroimmunomodulation of homeostasis and host defense. Waksman BH. **J Immunol** 1985 Aug;135(2 Suppl):862s

Neural control of behavioral responses in the nudibranch mollusc Phestilla sibogae. Willows AO. **J Neurobiol** 1985 May;16(3):157–70

Physiology of a bidirectional, excitatory, chemical synapse. Anderson PA. **J Neurophysiol** 1985 Mar;53(3):821–35

A dorsal spinal neural network in cat. III. Dynamic nonlinear analysis of responses to random stimulation of single type 1 cutaneous input fibers. Craig AD, et al. **J Neurophysiol** 1985 Apr;53(4):995–1015

Crayfish escape behavior: production of tailflips without giant fiber activity. Kramer AP, et al. **J Neurophysiol** 1984 Aug;52(2):189–211

Segmental differences in pathways between crayfish giant axons and fast flexor motoneurons. Miller LA, et al. **J Neurophysiol** 1985 Jan;53(1):252–65

Neural circuits in the flight system of the locust. Robertson RM, et al. **J Neurophysiol** 1985 Jan;53(1):110–28

The neural circuit for touch sensitivity in Caenorhabditis elegans. Chalfie M, et al. **J Neurosci** 1985 Apr;5(4):956–64

Serotonin and cyclic adenosine 3':5'-monophosphate modulate the potassium current in tail sensory neurons in the pleural ganglion of Aplysia. Pollock JD, et al. **J Neurosci** 1985 Jul;5(7):1862–71

An oscilloscope spot intensifier, to improve photographic recordings of action potentials. Evans MH. **J Neurosci Methods** 1985 Jun;14(1):65–7

Computer separation of multi-unit neuroelectric data: a review. Schmidt EM. **J Neurosci Methods** 1984 Dec;12(2):95–111 (66 ref.)

High-current and high-voltage stimulators. Scholfield CN, et al. **J Neurosci Methods** 1985 Jan;12(3):227–33

Signal averaging by microcomputer using a program written in a high-level language. Simmons PJ. **J Neurosci Methods** 1985 Jan;12(3):235–40

Biology of gangliosides: neuritogenic and neuronotrophic properties. Ledeen RW. **J Neurosci Res** 1984;

NEWARK PUBLIC LIBRARY

12(2-3):147-59 (94 ref.)

Nervous control of mucin secretion into human bronchi. Baker B, et al. **J Physiol (Lond)** 1985 Aug;365:297-305

Noisy neural nets exhibiting memory domains. Anninos P, et al. **J Theor Biol** 1984 Aug 21;109(4):581-94

The Craggs connector: a termination for Cooper cable. Donaldson PE. **Med Biol Eng Comput** 1985 Mar; 23(2):195-6

Real-time digital-filter-based data-acquisition system for the detection of neural signals. Wheeler BC, et al. **Med Biol Eng Comput** 1985 May;23(3):243-8

Nonneural vascular smooth muscle tone in arterioles of the hamster cheek pouch. Lombard JH, et al. **Microvasc Res** 1985 Jan;29(1):81-8

American Academy of Neurology. 37th annual meeting. Dallas, Texas, April 28-May 4, 1985. Abstracts. **Neurology** 1985 Apr;35(4 Suppl 1):5-360

Differential modulation of the beta-endorphin and dynorphin systems by serotonergic stimulation in the rat. Majeed NH, et al. **Neuropeptides** 1985 Feb;5(4-6):563-6

Some neurophysiological correlates of visual perception. Glezer VD. **Neurosci Behav Physiol** 1984 Sep-Oct; 14(5):354-61

Neuroregulators and the reinforcement of smoking: towards a biobehavioral explanation. Pomerleau OF, et al. **Neurosci Biobehav Rev** 1984 Winter;8(4):503-13 (174 ref.)

Abstracts of the Fifth Meeting of the Australian Neuroscience Society, Adelaide, Australia, February 4-6, 1985. **Neurosci Lett [Suppl]** 1985;19:S1-115

Abstracts of the Ninth European Neuroscience Congress. Oxford, United Kingdom, September 8-12, 1985. **Neurosci Lett [Suppl]** 1985;22:S1-630

Abstracts of the eighth annual meeting of the Japan Neuroscience Society. Osaka, Japan, November 23-25, 1984. **Neurosci Res [Suppl]** 1985;1:S1-172

Aging in the nervous system. Long DM. **Neurosurgery** 1985 Aug;17(2):348-54 (61 ref.)

Endorphinergic modulation of neural reward systems indicated by behavioral changes. Dum J, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):259-66

Biomechanics. A neural control perspective. Craik RL. **Phys Ther** 1984 Dec;64(12):1810-1

Opioid-induced feeding in the slug, Limax maximus. Kavaliers M, et al. **Physiol Behav** 1984 Nov;33(5):765-7

In vitro reprogramming of the photoperiodic clock in an insect brain-retrocerebral complex. Bowen MF, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5881-4

Lordosis as a sexually dimorphic neural function. Harlan RE, et al. **Prog brain Res** 1984;61:239-55 (82 ref.)

Contemporary sensory neurobiology. Proceedings of the third symposium of the Galveston Chapter of the Society for Neuroscience. Galveston, Texas, May 14 and 14, 1984. **Prog Clin Biol Res** 1985;176:1-359

Neurotensin. Immunohistochemical localization in central and peripheral nervous system and in endocrine cells and its functional role as neurotransmitter and endocrine hormone. Reinecke M. **Prog Histochem Cytochem** 1985; 16(1):1-172 (459 ref.)

Neuromagnetic studies of somatosensory system: principles and examples. Hari R, et al. **Prog Neurobiol** 1985; 24(3):233-56

Cell culture as models for studying neural functions. Hamprecht B. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):481-6

Neurobiological bases of rhythmic motor acts in vertebrates. Grillner S. **Science** 1985 Apr 12;228(4696):143-9

[Neural mechanisms controlling and regulating the arterial pressure] Koichev A, et al. **Vutr Boles** 1985;24(2):19-29 (24 ref.) **(Bul)**

[Animal models in neuro-ophthalmology] Vital-Durand F. **Bull Mem Soc Fr Ophtalmol** 1985;96:109-13 **(Fre)**

[Neurophysiologic and respiratory changes during the practice of relaxation technics] Gallois P. **Encephale** 1984; 10(3):139-44 (Eng. Abstr.) **(Fre)**

[Application of the technics of molecular genetics in neurochemistry] Schmid D, et al. **Naturwissenschaften** 1984 Jul;71(7):353-62 (Eng. Abstr.) **(Ger)**

[Anatomo-functional organization of human movement] Millefiorini M, et al. **Riv Neurol** 1985 May-Jun;55(3):221-5 (Eng. Abstr.) **(Ita)**

[Neurotransmitters] Nakamura S. **No To Shinkei** 1985 Apr; 37(4):410-1 **(Jpn)**

[Morphofunctional characteristics of the relations between the normal and pathological nervous and immune systems] Dimitriu R, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Oct-Dec;88(4):589-94 (0 ref.) **(Rum)**

[Calcium ion binding in somatic nerves during conduction of rhythmic excitation] Maksimov GV, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1559-63 (Eng. Abstr.) **(Rus)**

[Population genetics analysis of the association of sensitivity to phenylthiocarbamide and nervous system strength] Bulaeva KB, et al. **Genetika (Moskva)** 1984 Dec; 20(12):2055-65 (Eng. Abstr.) **(Rus)**

[Methods of study of the nervous system described in recent patent materials] Antonova KP, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):59-62 **(Rus)**

[The problem of the correlation of nervism and the physicochemical trend in biology and medicine in the works of I. P. Pavlov] Shingarov GKh. **Vestn Akad Med Nauk SSSR** 1985;(5):28-35 **(Rus)**

[Comparative population analysis of the variability of human neurodynamics and psychodynamics] Bulaeva KB. **Zh Vyssh Nerv Deiat** 1984 Nov-Dec;34(6):1031-40 (Eng. Abstr.) **(Rus)**

[Features of the associative function of the brains of children with high and low lability of nervous system processes] Kol'tosova MM, et al. **Zh Vyssh Nerv Deiat** 1984 Jul-Aug; 34(4):635-41 (Eng. Abstr.) **(Rus)**

[Determination of the functional lability of the human nervous system recorded on device PNN-3] Makarenko NV, et al. **Zh Vyssh Nerv Deiat** 1984 Sep-Oct;34(5):972-4 **(Rus)**

[Latent period of sensomotor reactions among persons with different degrees of functional nervous system lability] Makarenko NV. **Zh Vyssh Nerv Deiat** 1984 Nov-Dec; 34(6):1041-7 (Eng. Abstr.) **(Rus)**

[Characteristics of the shape of auto- and cross-correlation histograms of the spike trains of polysynaptically connected neurons] Zosimovskii VA. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):544-51 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hemodynamic and neural mechanisms of acute neurogenic hypertension in the rat. Werber AH, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H991-8

Distinctive somatosensory evoked potential features in obsessive-compulsive disorder. Shagass C, et al. **Biol Psychiatry** 1984 Nov;19(11):1507-24

Longitudinal evoked potential studies in hereditary ataxias. Taylor MJ, et al. **Can J Neurol Sci** 1985 May;12(2):100-5

Neurophysiological evidence of aging in Down's syndrome. Mackenzie RA, et al. **Clin Exp Neurol** 1983;19:139-46

Honored guest presentation: painful states: a neurological commentary. Fisher CM. **Clin Neurosurg** 1983;31:32-53

The influence of CSII treatment on the function of the peripheral and visceral nerves in type I diabetics. Reichel G, et al. **Exp Clin Endocrinol** 1985 Feb;85(1):113-9

Effects of reward and methylphenidate on heart rate response morphology of augmenting and reducing children. Ackerman PT, et al. **Int J Psychophysiol** 1984 Jun; 1(4):301-16

The stabilizing and unstabilizing influences of neurogenic and vascular activities of the heart as related to sudden cardiac death. McIntosh HD. **J Am Coll Cardiol** 1985 Jun;5(6 Suppl):105B-110B (33 ref.)

Noisy neural nets exhibiting epileptic features. Kokkinidis M, et al. **J Theor Biol** 1985 Apr 7;113(3):559-88

Functional tolerance to alprazolam-induced neurologic deficits in mice. Henauer SA, et al. **Life Sci** 1984 Nov 12; 35(20):2065-70

The pathophysiology of movement disorders. Marsden CD. **Neurol Clin** 1984 Aug;2(3):435-59 (29 ref.)

Limited involvement of central noradrenergic pathways in morphine-induced antinociception. Berge OG, et al. **Neuropharmacology** 1984 Oct;23(10):1179-85

Clinical picture and neurotransmitter activity during long-term simulation of some space flight factors. Krupina TN, et al. **Neurosci Behav Physiol** 1984 Nov-Dec; 14(6):484-9

High altitude: an unusual cause of neurological deterioration in a patient with an arteriovenous malformation. Tranmer BI, et al. **Neurosurgery** 1985 Aug;17(2):320-3

Neural effects of systemic hypoxia on hindlimb vascular resistance in sinoaortic-denervated cats. Rohlicek CV, et al. **Pflugers Arch** 1984 Aug;401(4):380-4

Future trends in pain research. Wall PD. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):393-405

Pain pathways in the primate. Willis WD Jr. **Prog Clin Biol Res** 1985;176:117-33 (61 ref.)

[Use of immunology in pediatric neurology] Doutlík S. **Cesk Pediatr** 1985 May;40(5):294-7 (Eng. Abstr.) **(Cze)**

[Chronic pain: a problem in nocisuppression?] Sprotte G. **Cah Anesthesiol** 1985 Mar;33(2):125-6 **(Fre)**

[Effects of cranioplasty on neurological function and cerebral blood flow] Richaud J, et al. **Neurochirurgie** 1985; 31(3):183-8 (Eng. Abstr.) **(Fre)**

[Clinical application of peripheral, spinal and central conduction velocities following stimulation of the posterior tibial nerve] Miyao M. **No To Hattatsu** 1985 Jul;17(4):341-7 (Eng. Abstr.) **(Jpn)**

[Origin of component N16 in short latency somatosensory evoked potentials (SSEP) to median nerve stimulation--correlation between component N16 and thalamus] Urasaki E, et al. **No To Shinkei** 1985 Apr; 37(4):393-402 (Eng. Abstr.) **(Jpn)**

[Various features of changes in human work capacity during extreme conditions] Kudrin ID, et al. **Voen Med Zh** 1984 Nov;(11):38-40 **(Rus)**

SURGERY

Infections in neurosurgery: a randomized comparison between silk and polyglycolic acid. Blomstedt GC. **Acta Neurochir (Wien)** 1985;76(3-4):90-3

Proceedings of the Society of British Neurological Surgeons. Belfast, 5-6 April 1984. Abstracts. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1141-7

Cyanoacrylate ester adhesive: a versatile tool in experimental surgery. Stickrod G, et al. **Physiol Behav** 1984 Apr; 32(4):695-6

Centrocentral nerve union with autologous transplantation [letter] Goldstein SA, et al. **Plast Reconstr Surg** 1985 Jan; 75(1):136

Subepineural pacinian corpuscle [letter] Tupper JW. **Plast Reconstr Surg** 1985 Jul;76(1):156

Cumulative index. Volumes 1-20, 1973-1983. **Surg Neurol** 1985 Jan;23(1 Suppl):1s-121s

[Monitoring of evoked potentials in neurosurgery and anesthesia] Schmidt JF, et al. **Ugeskr Laeger** 1984 Nov 12; 146(46):3522-6 (Eng. Abstr.) **(Dan)**

[Anesthesiologic experiences with an alfentanyl bolus technic in neurosurgical interventions] Krumholz W, et al. **Anaesthesist** 1984 Aug;33(8):356-9 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Scanning and freeze-fracture study of larval nerves and neuromuscular junctions in Manduca sexta. Schaner PJ, et al. **J Neurobiol** 1985 Mar;16(2):83-96

[Scanning electron microscopy in studies of the nervous system (review)] Kiktenko AI. **Zh Nevropatol Psikhiatr** 1985;85(7):1065-8 (46 ref.) **(Rus)**

NERVOUS SYSTEM DISEASES

Neuropathology Section of the Italian Society of Neurology: 20th annual meeting. Tarquinia (Italy), May 25-26, 1984. Abstracts. **Acta Neurol (Napoli)** 1984 Oct;6(5):325-408

Thirteenth annual meeting: Child Neurology Society. October 11-13, 1984, Phoenix, AZ. Abstracts. **Ann Neurol** 1984 Sep;16(3):370-414

Proceedings of the 26th annual meeting of the Japanese Society of Child Neurology. Osaka, June 21-23, 1984. Abstracts. **Brain Dev** 1985;7(2):95-252

Bibliography of developmental medicine and child neurology: selected books and articles received in 1984. **Dev Med Child Neurol [Suppl]** 1985 Apr;49:1-138

Neuro-ophthalmology in the recent European literature. Part II. The motor system. Safran AB. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):197-208 (83 ref.)

A neurological disorders workshop for school nurses. Reid SM, et al. **J Sch Health** 1984 Sep;54(8):306-7

Common mononeuropathies. Massey EW. **NC Med J** 1985 Jan;46(1):7-14 (24 ref.)

Symposium on pediatric neurology. **Neurol Clin** 1985 Feb; 3(1):1-211

American Academy of Neurology. 37th annual meeting. Dallas, Texas, April 28-May 4, 1985. Abstracts. **Neurology** 1985 Apr;35(4 Suppl 1):5-360

Symposium on clinical neurology. **Primary Care** 1984 Dec; 11(4):571-721

Neurosarcoidosis. A report of 5 cases. Elkin R, et al. **S Afr Med J** 1985 Jun 8;67(23):943-6

[Pinpointing neuro-immunologic diseases] Steck AJ. **Schweiz Med Wochenschr** 1984 Oct 27;114(43):1478-83 (45 ref.) (Eng. Abstr.) **(Fre)**

[36th annual meeting of the Spanish Society of Neurology. Barcelona, 14-15 December 1984. Abstracts] **Arch Neurobiol (Madr)** 1984 Sep-Oct;47(5):227-308 **(Spa)**

BLOOD

[Significance of serum trace elements in various neurologic diseases] Lu FH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Jun; 17(3):166-9 (Eng. Abstr.) **(Chi)**

CEREBROSPINAL FLUID

Intrathecal synthesis of different alpha-interferons in patients with various neurological diseases. Dussaix E, et al. **Acta Neurol Scand** 1985 Jun;71(6):504-9

Ferritin concentration in cerebrospinal fluid. Fehling C, et al. **Acta Neurol Scand** 1985 Jun;71(6):510-2

Alpha 1-antitrypsin in cerebrospinal fluid of patients with neurologic diseases. Pearl GS, et al. **Arch Neurol** 1985 Aug; 42(8):775-7

Thromboplastic activity of cerebrospinal fluid in neurological disease. Tutuarima JA, et al. **Clin Chem** 1985 Jan; 31(1):99-100

Two-dimensional gel electrophoresis of cerebrospinal fluid proteins from patients with various neurological diseases. Wiederkehr F, et al. **Clin Chem** 1985 Sep;31(9):1537-42

Cytopathogenic cerebrospinal fluid from neurological and psychiatric patients. Taylor GR, et al. **Exp Mol Pathol** 1985 Apr;42(2):271-7

CFS oligoclonal bands in MS and other neurological diseases detected by agarose isoelectric focusing and electrophoresis. Cerrato D, et al. **Ital J Neurol Sci** 1984 Sep;5(3):303-10

Study of IgA in the cerebrospinal fluid of neurological patients with special reference to size, subclass and local production. Sindic CJ, et al. **J Neuroimmunol** 1984 Dec; 7(2-3):65-75

CSF angiotensin-converting enzyme in neurosarcoidosis [letter] Chan Seem CP, et al. **Lancet** 1985 Feb 23; 1(8426):456-7

CSF angiotensin-converting enzyme in neurosarcoidosis [letter] Oksanen V, et al. **Lancet** 1985 May 4;1(8436):1050-1

Angiotensin converting enzyme in cerebrospinal fluid: a new assay. Oksanen V, et al. **Neurology** 1985 Aug;35(8):1220-3

[Immunoglobulin G synthesizing lymphocytes in the cerebrospinal fluid in multiple sclerosis and non-inflammatory diseases of the nervous system]

Schädlich HJ, et al. **J Clin Chem Clin Biochem** 1984 Jul; 22(7):483-7 (Eng. Abstr.) **(Ger)**

[2-dimensional electrophoresis of cerebrospinal fluid in various neurological patients] Wiederkehr F, et al. **Schweiz Med Wochenschr** 1985 Mar 16;115(11):368-73 (Eng. Abstr.) **(Ger)**

[Measurement of methionine-enkephalin-like immunoreactivity in the cerebrospinal fluid of various neurological patients] Suga H, et al. **Rinsho Shinkeigaku** 1984 Sep;24(9):867-71 (Eng. Abstr.) **(Jpn)**

[Analysis of trace element concentrations in the cerebrospinal fluid using particle-induced X-ray emission] Nowak S, et al. **Neurol Neurochir Pol** 1984 Sep-Oct;18(5):435-9 (Eng. Abstr.) **(Pol)**

[Fibrin fibrinogen degradation products in the cerebrospinal fluid of neurological patients] Nowak S, et al. **Neurol Neurochir Pol** 1984 Nov-Dec;18(6):541-5 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Proceedings from the 1983 Swedish neurotoxicology symposium. Copenhagen, Denmark, April 14-16,1983. **Acta Neurol Scand [Suppl]** 1984;100:1-227

Clinical evidence and therapeutic indications in neurotoxicology, exemplified by thallotoxicosis. Andersen O. **Acta Neurol Scand [Suppl]** 1984;100:185-92

Clioquinol neurotoxicity: an overview. Clifford Rose F, et al. **Acta Neurol Scand [Suppl]** 1984;100:137-45 (47 ref.)

Chemical principles of chelate therapy in neurotoxicology. Hartvig P. **Acta Neurol Scand [Suppl]** 1984;100:199-202

Elimination methods in neurotoxicology. Heath A. **Acta Neurol Scand [Suppl]** 1984;100:215-24

Some toxic effects of lead, other metals and antibacterial agents on the nervous system--animal experiment models. Olson L, et al. **Acta Neurol Scand [Suppl]** 1984;100:77-87

Aspects on antidote therapy in acute poisoning affecting the nervous system. Persson H. **Acta Neurol Scand [Suppl]** 1984; 100:203-13

Neurophysiological aspects of organic solvent toxicity. Rosén I. **Acta Neurol Scand [Suppl]** 1984;100:101-6

Neurological complications of antineoplastic therapy. Shapiro WR, et al. **Acta Neurol Scand [Suppl]** 1984; 100:125-32 (23 ref.)

An expanded classification of neurotoxic responses based on cellular targets of chemical agents. Spencer PS, et al. **Acta Neurol Scand [Suppl]** 1984;100:9-19

Neuroendocrinological and biochemical effects of chronic neuroleptic treatment. Hippius H, et al. **Adv Biochem Psychopharmacol** 1985;40:9-13 (25 ref.)

Bradycardia and neurologic disorders associated with ranitidine in a child [letter] Balestrazzi P, et al. **Am J Dis Child** 1985 May;139(5):442

Lithium-carbamazepine neurotoxicity and risk factors. Shukla S, et al. **Am J Psychiatry** 1984 Dec;141(12):1604-6

A prospective study on early neurotoxic effects of lead. Hernberg S, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):378-82

Neurotoxicity of metronidazole [letter] Alston TA. **Ann Intern Med** 1985 Jul;103(1):161

High-dose cisplatin therapy for cancer of the ovary: neurotoxicity [letter] Bagley CM Jr, et al. **Ann Intern Med** 1985 May;102(5):719

Neurobehavioral changes among shipyard painters exposed to solvents. Valciukas JA, et al. **Arch Environ Health** 1985 Jan-Feb;40(1):47-52

Intra-arterial injection of diisopropylfluorophosphate or phenylmethanesulphonyl fluoride produces unilateral neuropathy or protection, respectively, in hens. Caroldi S, et al. **Biochem Pharmacol** 1984 Oct 15;33(20):3213-7

Solvent neurotoxicity [editorial] Cavanagh JB. **Br J Ind Med** 1985 Jul;42(7):433-4

Fusarial mycotoxins and behaviour: possible implications for psychiatric disorder. Schoental R. **Br J Psychiatry** 1985 Feb;146:115-9 (43 ref.)

ABC of poisoning. Cardiovascular, neurological, and other complications. Nielsen M, et al. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):681-6

Antidotes and neuropathic potential of isofenphos. Wilson BW, et al. **Bull Environ Contam Toxicol** 1984 Oct; 33(4):386-94

Neurotoxicity of aluminum. Boegman RJ, et al. **Can J Physiol Pharmacol** 1984 Aug;62(8):1010-4 (45 ref.)

The function of motor nerves innervating slow tonic skeletal muscle in hens with delayed neuropathy induced by tri-o-tolyl phosphate. Durham HD, et al. **Can J Physiol Pharmacol** 1984 Oct;62(10):1268-73

Transient neurologic disturbances induced by high-dose methotrexate treatment. Jaffe N, et al. **Cancer** 1985 Sep 15;56(6):1356-60

Transient neurologic dysfunction following moderate-dose methotrexate for undifferentiated lymphoma. Martino RL, et al. **Cancer** 1984 Nov 1;54(9):2003-5

Neurotoxicity of certain environmental substances. Taylor JR. **Clin Lab Med** 1984 Sep;4(3):489-97

Adverse neuropsychiatric effects of anticonvulsant drugs. Reynolds EH, et al. **Drugs** 1985 Jun;29(6):570-81 (79 ref.)

Subclinical effects of exposure to inorganic mercury revealed by somatosensory-evoked potentials. Lamm O, et al. **Eur Neurol** 1985;24(4):237-43

Neurophysiological and psychological disorders and occupational exposure to organic solvents. Grasso P, et al. **Food Chem Toxicol** 1984 Oct;22(10):819-52

Neurotoxicity of methyl chloride in continuously versus intermittently exposed female C57BL/6 mice. Landry TD, et al. **Fundam Appl Toxicol** 1985 Feb;5(1):87-98

Molecular mechanism of hexane neuropathy: significant differences in pharmacokinetics between 2.3-, 2.4-, and 2.5-hexanedione. Iwasaki K, et al. **Ind Health** 1984; 22(3):177-87

Neurologic signs and symptoms related to over-the-counter diet pills. Mueller SM, et al. **Indiana Med** 1985 May; 78(5):388-90

Occupational exposure to toluene: neurotoxic effects with special emphasis on drinking habits. Antti-Poika M, et al. **Int Arch Occup Environ Health** 1985;56(1):31-40

Is misonidazole neurotoxicity altered by the use of phenytoin and/or dexamethasone in RTOG 79-18 and RTOG 79-16? Nelson DF, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1731-4

Misonidazole with dexamethasone rescue: an escalating dose toxicity study. Tanasichuk H, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1735-7

Neuropathy of nitroimidazole radiosensitizers: clinical and pathological description. Wasserman TH, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1725-30

Neurotoxicity associated with adenine arabinoside monophosphate in the treatment of chronic hepatitis B virus infection. Lok AS, et al. **J Antimicrob Chemother** 1984 Jul;14(1):93-9

High-dose methotrexate-induced neurotoxicity associated with elevation of CSF myelin basic protein [letter] Neijstrom E, et al. **J Clin Oncol** 1985 Apr;3(4):593-4

Neurotoxicity of diallate and triallate when administered orally or topically to hens. Hansen LG, et al. **J Environ Sci Health [B]** 1985 Feb;20(1):97-111

Neuropathy after bupivacaine block [letter] Ashbell TS. **J Hand Surg [Am]** 1985 Jan;10(1):156-7

Prospective study of adverse drug reactions of antihypertensive drugs in Thai outpatients. Makarananda K, et al. **J Med Assoc Thai** 1985 May;68(5):229-36

Reversible abnormalities of the Hering Breuer reflex in acrylamide neuropathy. Satchell P. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):670-5

Improved tolerance of vincristine by glutamic acid. A preliminary report. Jackson DV Jr, et al. **J Neurooncol** 1984;2(3):219-22

Neurologic complications associated with gold therapy for rheumatoid arthritis. Fam AG, et al. **J Rheumatol** 1984 Oct;11(5):700-6

Vincristine neurotoxicity [letter] Chauncey TR, et al. **JAMA** 1985 Jul 26;254(4):507

Neurotoxicity and vincristine [letter] Miller BR. **JAMA** 1985 Apr 12;253(14):2045

Acute vincristine neurotoxicity [letter] **Lancet** 1985 Mar 16; 1(8429):637-8

Acute vincristine neurotoxicity [letter] Arnold AM, et al. **Lancet** 1985 Feb 9;1(8424):346

Successful treatment of infantile type I primary hyperoxaluria complicated by pyridoxine toxicity [letter] de Zegher F, et al. **Lancet** 1985 Aug 17;2(8451):392-3

Vincristine neurotoxicity [letter] Gennery BA. **Lancet** 1985 Aug 17;2(8451):385

Acute vincristine neurotoxicity [letter] Knox-Macaulay HH, et al. **Lancet** 1985 Jun 22;1(8443):1451

Association between cyclosporin neurotoxicity and hypomagnesaemia. Thompson CB, et al. **Lancet** 1984 Nov 17;2(8412):1116-20

Acute vincristine neurotoxicity [letter] Warrier RP, et al. **Lancet** 1985 Apr 27;1(8435):980

Neurologic findings among workers exposed to fenthion in a veterinary hospital--Georgia. **MMWR** 1985 Jul 5; 34(26):402-3

EEG as a cross species indicator of neurotoxicity. Benignus VA. **Neurobehav Toxicol Teratol** 1984 Nov-Dec; 6(6):473-83

Albinism and evoked potentials: factors in the selection of infrahuman models in predicting the human response to neurotoxic agents. Creel DJ. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):447-53

Cross species extrapolation and hazard identification in neurotoxicology. Dyer RS. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):409-11

Excitotoxic food additives--relevance of animal studies to human safety. Olney JW. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):455-62 (49 ref.)

The pathology of toxic axonal neuropathy: a clinical-experimental link. Sterman AB. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):463-6

Effects of lindane-type insecticides in mammals: unsolved problems. Woolley D, et al. **Neurotoxicology** 1985 Summer; 6(2):165-92

The basal ganglia in chlordecone-induced neurotoxicity in the mouse. Benet H, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):151-8

Absence of a protective effect of corticosterone on 0-0-diisopropyl phosphorofluoridate (DFP) induced delayed neurotoxicity in chickens. Ehrich M, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):87-92

Neurological manifestations in humans exposed to chlordecone: follow-up results. Taylor JR. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):231-6

Behavioral toxicity of trialkyltin compounds: a review. Reiter LW, et al. **Neurotoxicology (Park Forest Il)** 1984 Summer; 5(2):177-86 (30 ref.)

Developmental neuropathology of organotin compounds. Reuhl KR, et al. **Neurotoxicology (Park Forest Il)** 1984 Summer;5(2):187-204 (64 ref.)

Neuropsychiatric manifestations of alkali metal deficiency and excess. Yung CY. **Pharmacol Biochem Behav** 1984;21 Suppl 1:71-5 (70 ref.)

Neurologic complications of drug therapy. Goldberg MA. **Primary Care** 1984 Dec;11(4):583-96

Roles of dopamine and GABA in neurotoxicity of organophosphorus cholinesterase inhibitors. Ho IK, et al. **Proc West Pharmacol Soc** 1984;27:177-80

Reversible nerve lesions after accidental polychlorinated biphenyl exposure. Seppäläinen AM, et al. **Scand J Work Environ Health** 1985 Apr;11(2):91-5

A review of organophosphorus ester-induced delayed neurotoxicity. Barrett DS, et al. **Vet Hum Toxicol** 1985 Feb;27(1):22-37 (140 ref.)

Neurological sequelae of lithium therapy. Mahy Ge. **West Indian Med J** 1984 Dec;33(4):272-4

[Neurotoxicity--an old and new threat to mankind] Schreiber V. **Cas Lek Cesk** 1985 Sep 6;124(36):1121-4 (Eng. Abstr.) **(Cze)**

[Neurologic findings in long-term exposure to toluene] Kovařík J, et al. **Cesk Neurol Neurochir** 1985 Mar; 48(2):73-7 (Eng. Abstr.) **(Cze)**

[Neurological complications of tricyclic antidepressive agents] Chabannes JP, et al. **Biomed Pharmacother** 1984; 38(3):131-6 (Eng. Abstr.) **(Fre)**

[Neuropathy and ocular involvement following prolonged use of tilbroquinol and tiliquinol] Basdevant A, et al. **Rev Med Interne** 1985 Jan;6(1):65-7 **(Fre)**

[Neurotoxicity of chemical substances in the workplace. VI. Longitudinal study of persons occupationally exposed to mercury] Triebig G, et al. **Int Arch Occup Environ Health** 1984;55(1):19-31 (Eng. Abstr.) **(Ger)**

[Unwanted drug effects of psychotropic drugs in neurologic practice] Schmidt LG, et al. **Nervenarzt** 1985 Jan; 56(1):19-24 **(Ger)**

[Hemangiosarcoma of the liver in workers of the PVC industry and other VC-induced diseases with angiologic-dermatologic, hepatologic, radiologic and neurologic symptoms] Halama J, et al. **Radiologe** 1985 Jan; 25(1):22-9 (Eng. Abstr.) **(Ger)**

[Late neurotoxic damage by organophosphate compounds] Lohs K. **Z Arztl Fortbild (Jena)** 1984;78(14):593-6 **(Ger)**

[Toxic drug effects of antiparkinson therapy and their preventability] Danielczyk W. **Z Gerontol** 1984 Sep-Oct; 17(5):280-4 (Eng. Abstr.) **(Ger)**

[Delayed neurotoxicity by organophosphorus compounds] Karni A, et al. **Harefuah** 1985 May 1;108(9):446-8 **(Heb)**

[Benzodiazepine abstinence syndrome. Case report] Viarengo E, et al. **Minerva Psichiatr** 1985 Jan-Mar;26(1):91-3 (Eng. Abstr.) **(Ita)**

[Three cases of Ara-A neuropathy] Shibuya N, et al. **Rinsho Shinkeigaku** 1985 Jan;25(1):21-5 (Eng. Abstr.) **(Jpn)**

[Contamination of the environment with mercury--its health problems. II. Toxic effects of mercury and its compounds] Ludwicki JK. **Rocz Panstw Zakl Hig** 1985;36(1):1-8 (47 ref.) (Eng. Abstr.) **(Pol)**

[Various aspects of the toxicology and clinical features of cyclohexanone] Sakharova LN, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):47-50 (Eng. Abstr.) **(Rus)**

[Various indicators of the pathology of the internal organs and the nervous system in workers exposed to pesticides in hothouses] Bezuglyĭ VP, et al. **Vrach Delo** 1985 Feb; (2):105-8 (Eng. Abstr.) **(Rus)**

[Nervous system disorders in those working with copper-containing and other pesticides] Fokina KV. **Vrach Delo** 1984 Sep;(9):113-5 (Eng. Abstr.) **(Rus)**

[Neuropsychiatric disorders while using hormonal contraceptives (review)] Burtsev EM. **Zh Nevropatol Psikhiatr** 1984;84(9):1391-401 (156 ref.) **(Rus)**

[Lesions of the nervous system in drug-induced illnesses] Korochkin IM, et al. **Zh Nevropatol Psikhiatr** 1984; 84(8):1172-6 (Eng. Abstr.) **(Rus)**

[Polyneuropathy caused by ethylene dioxide] Kovač S, et al. **Arh Hig Rada Toksikol** 1984 Mar;35(1):3-10 (Eng. Abstr.) **(Scr)**

[Present trends in the therapy of poisoning by nerve poisons for warfare] Kušić R, et al. **Vojnosanit Pregl** 1984 Sep-Oct; 41(5):364-8 **(Scr)**

[Toxicology of organochlorine insecticides] de Fernícola NA. **Bol Of Sanit Panam** 1985 Jan;98(1):10-9 (Eng. Abstr.) **(Spa)**

[Polyneuropathy after long term treatment with metronidazole] **Lakartidningen** 1985 Jan 30;82(5):319-20 **(Swe)**

COMPLICATIONS

Prevalence of mitral valve prolapse in younger patients with cerebral ischaemic attacks. A blinded controlled study. Egeblad H, et al. **Acta Med Scand** 1984;216(4):385-91

Asbestosis, the nervous system and cancer. Juntunen J, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):353-60

Afferent pupillary defect and dilated episcleral and conjunctival vessels in a patient with arteriovenous malformation of the brain. Mozaffarpour M.

NEWARK PUBLIC LIBRAR

Ann Ophthalmol 1985 Jun;17(6):340-3

Schizophrenics with tardive dyskinesia. Neuropsychological deficit and family psychopathology. Wegner JT, et al. **Arch Gen Psychiatry** 1985 Sep;42(9):860-5

Special mattresses: effectiveness in preventing decubitus ulcers in chronic neurologic patients. Daechsel D, et al. **Arch Phys Med Rehabil** 1985 Apr;66(4):246-8

Neurologic and psychiatric manifestations in hypoparathyroidism. Clinical analysis of 71 cases. Yang SL, et al. **Chin Med J [Engl]** 1984 Apr;97(4):267-72

Selective damage to chromatic mechanisms in neuro-ophthalmic diseases I. Review of published evidence. King-Smith PE, et al. **Doc Ophthalmol** 1984 Nov 15;58(3):241-50 (53 ref.)

Gastrointestinal hemorrhage in paralyzed and neurologically impaired patients: contribution of reflux esophageal disease. Smith HJ. **Gastrointest Radiol** 1985;10(1):7-10

Non-migrainous headache and transient neurological deficits. Neufeld MY, et al. **Headache** 1985 Jul;25(5):271-2

Clinical diagnosis of shoulder pain. Gerhart TN, et al. **Hosp Pract [Off]** 1985 Sep 15;20(9):134-6, 140-1

Cutaneous angiomas in POEMS syndrome. Puig L, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 2):961-4

Rett's syndrome: a progressive developmental disability in girls. Holm VA. **J Dev Behav Pediatr** 1985 Feb;6(1):32-6

Multifocal neuropathy with vasculitis in hypereosinophilic syndrome. An entity or drug-induced effect? Grisold W, et al. **J Neurol** 1985;231(6):301-6

Acute polyneuropathy with severe generalized rigidity in a child aged 16 months. Preliminary report. Jušić A, et al. **J Neurol** 1984;231(4):223-4

Neurological manifestations of the acquired immunodeficiency syndrome (AIDS): experience at UCSF and review of the literature. Levy RM, et al. **J Neurosurg** 1985 Apr;62(4):475-95 (159 ref.)

Pressure ulcer management in the neurologically impaired patient. Sklar CG. **J Neurosurg Nurs** 1985 Feb;17(1):30-6

Neurologic disorders associated with visual loss in childhood. Sher PK. **Neurol Clin** 1985 Feb;3(1):3-17 (29 ref.)

Neurologic disturbances and EEG characteristics in children who had hyperthermic convulsions in infancy. Shan'ko GG, et al. **Neurosci Behav Physiol** 1985 Jan-Feb;15(1):48-53

Ocular manifestations of the neurocutaneous syndromes. Greenwald MJ, et al. **Pediatr Dermatol** 1984 Oct;2(2):98-117

Myotomy of the cricopharyngeal muscle. A treatment for dysphagia and aspiration in neurological disorders. Gay I, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(3):271-4

Pernicious anaemia, neurological changes and gastric ulceration in a Malawian woman. A case report. Burnham GM. **S Afr Med J** 1985 Mar 9;67(10):386

Thoracic actinomycosis presenting as a brachial plexus syndrome. Stanley SL Jr, et al. **Thorax** 1985 Jan;40(1):74-5

Paraneoplastic syndromes of the nervous system. Palma G. **West J Med** 1985 Jun;142(6):787-96 (108 ref.)

Neurological paraneoplastic syndromes [editorial] Schneck SA. **West J Med** 1985 Jun;142(6):826-8

[Peritoneal gliomatosis associated with a mature teratoma of the ovary] Vital A, et al. **Ann Pathol** 1985;5(1):59-62 (Eng. Abstr.) **(Fre)**

[Artificial ventilation in the home of patients with a respiratory disorder of neurologic origin] Goulon M, et al. **Bull Acad Natl Med (Paris)** 1984 Mar-Apr;168(3-4):448-54 (Eng. Abstr.) **(Fre)**

[Recent attainments in the field of impotence. II - Venous, neuropathic and endocrine impotence and the strategy for its exploration] Buvat J, et al. **LARC Med** 1984 Aug-Sep;4(7):433-9 (Eng. Abstr.) **(Fre)**

[Treatment of spastic foot by selective neurotomy of the tibial nerve. Results of a series of 31 cases] Sindou M, et al. **Neurochirurgie** 1985;31(3):189-97 (Eng. Abstr.) **(Fre)**

[Pharmacological correction of neurogenic disorders of cerebral circulation] Mirzoian RS. **Farmakol Toksikol** 1984 Jul-Aug;47(4):5-14 (113 ref.) (Eng. Abstr.) **(Rus)**

[Borderline neuropsychiatric disorders in purine metabolism disorders in children] Astakhova LN, et al. **Zh Nevropatol Psikhiatr** 1985;85(3):421-6 (Eng. Abstr.) **(Rus)**

[Dynamics of neurologic disorders in epileptics] Bova VE. **Zh Nevropatol Psikhiatr** 1985;85(6):886-8 (Eng. Abstr.) **(Rus)**

[Neuropsychiatric disorders in adolescent disorders of menstrual function] Mikirtumov BE. **Zh Nevropatol Psikhiatr** 1985;85(5):747-51 (Eng. Abstr.) **(Rus)**

[Myeloma and polyneuropathy. Review apropos of 3 cases, one of them with endocrine and cutaneous changes] Montalbán C, et al. **Rev Clin Esp** 1984 Jun 15-30;173(5-6):285-90 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Advances in neurological maturation in various pathological pregnancies] Amiel-Tison C. **Prog Clin Biol Res** 1985;163A:157-67 **(Fre)**

DIAGNOSIS

Highly refractile myocardial echoes in familial amyloidosis with polyneuropathy. A correlative echocardiographic and histopathological study. Eriksson P, et al. **Acta Med Scand** 1985;217(1):27-32

The value of somatosensory-evoked potentials and bulbocavernosus reflex in patients with impotence. Ertekin C, et al. **Acta Neurol Scand** 1985 Jan;71(1):48-53

Neurodevelopmental outcome and electronic fetal heart rate monitoring in a neonatal intensive care population. Holmqvist P, et al. **Acta Obstet Gynecol Scand** 1984;63(6):527-32

Human platelet 5-hydroxytryptamine concentration as a tool in prediction of solvent induced neurotoxic effects. Lam HR, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Mar;56(3):233-8

American Society of Neuroradiology: 1985 meeting abstracts. **AJNR** 1985 May-Jun;6(3):457-78

A review of the Amiel-Tison neurologic evaluation of the newborn and infant. McCarraher-Wetzel AP, et al. **Am J Occup Ther** 1984 Sep;38(9):585-93

Biopsychosocial characteristics of children who later murder: a prospective study. Lewis DO, et al. **Am J Psychiatry** 1985 Oct;142(10):1161-7

Evoked responses. Overused, underused, or misused? Chiappa KH, et al. **Arch Neurol** 1985 Jan;42(1):76-7

Sarcoidosis and its neurological manifestations. Stern BJ, et al. **Arch Neurol** 1985 Sep;42(9):909-17 (134 ref.)

Diagnosis of familial amyloidotic polyneuropathy by recombinant DNA techniques. Sasaki H, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):636-42

A progressive neurological syndrome associated with an isolated vitamin E deficiency. Laplante P, et al. **Can J Neurol Sci** 1984 Nov;11(4 Suppl):561-4

Midline spike discharges: clinical and EEG correlates. Pourmand RA, et al. **Clin Electroencephalogr** 1984 Oct;15(4):232-6

Cutaneous reflex responses recorded in children with various neurological disorders. Rowlandson PH, et al. **Dev Med Child Neurol** 1985 Aug;27(4):434-47

Neurodevelopmental outcome at 12 months of age related to cerebral ultrasound appearances of high risk preterm infants. Fawer CL, et al. **Early Hum Dev** 1985 Jul;11(2):123-32

Importance of laboratory clinical investigation in the diagnosis of immune vasculitis with neurological manifestation. Hagenah R, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(2):92-6

Early auditory evoked potentials: developmental aspects and validity in neuropaediatric and audiologic disorders. Maurer K, et al. **Eur J Pediatr** 1984 Nov;143(1):13-7

De Sanctis and Cacchione's syndrome. Sarveswari KN, et al. **Indian Pediatr** 1984 Jun;21(6):497-500

Unusual association of Eales disease with multifocal neurological deficit. Alfieri G, et al. **Ital J Neurol Sci** 1984 Dec;5(4):461-2

Predictive validity of the 'Movement Assessment of Infants'. Harris SR, et al. **J Dev Behav Pediatr** 1984 Dec;5(6):336-42

Sarcoidosis presenting with pseudotumor cerebri and the nephrotic syndrome. Phanthumchinda K, et al. **J Med Assoc Thai** 1984 Dec;67(12):694-700

The value of the measurement of cerebrospinal fluid levels of lysozyme in the diagnosis of neurological disease. Firth G, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):709-12

Renal ultrasound in POEMS syndrome. Arenson AM, et al. **JCU** 1985 Mar-Apr;13(3):208-9

Evoked potentials in the diagnosis, prognosis, and management of neurologic and neurosurgical patients. Moskowitz N. **Mt Sinai J Med (NY)** 1984 Sep;51(5):640-3

Unusual neurocutaneous syndromes. Berg BO. **Neurol Clin** 1985 Feb;3(1):165-78 (58 ref.)

Neurologic complications in acquired immunodeficiency syndrome (AIDS). Britton CB, et al. **Neurol Clin** 1984 May;2(2):315-39

Clinical psychological and electrographic evolution during pre- and puberal period in children with slight neurological and electroencephalographic alterations. Crighel E, et al. **Neurol Psychiatr (Bucur)** 1985 Jan-Mar;23(1):11-22

Enolase isoenzymes as diagnostic markers. Royds JA, et al. **Neuropathol Appl Neurobiol** 1985 Jan-Feb;11(1):1-16

Possibilities and limitations of the H-reflex test in the diagnosis of diseases of the nervous system. Novikova VP. **Neurosci Behav Physiol** 1985 Mar-Apr;15(2):167-72

Construction of an Infant Neurological International Battery (Infanib) for the assessment of neurological integrity in infancy. Ellison PH, et al. **Phys Ther** 1985 Sep;65(9):1326-31

Neurologic complaints in the elderly. The challenge of diagnosis. Bernick C, et al. **Postgrad Med** 1985 Jun;77(8):124-9, 132-3

Alcohol, work and the nervous system. Juntunen J. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):461-5 (46 ref.)

The hand in neurological diagnosis. Pallis C. **Trans Med Soc Lond** 1982-84;99-100:64-5

Magnetic resonance imaging (MRI): view of the Wisconsin Radiological Society. Locher RA. **Wis Med J** 1985 Mar;84(3):16-7

Neurological findings of Lyme disease. Pachner AR, et al. **Yale J Biol Med** 1984 Jul-Aug;57(4):481-3

[Neurological expertise for insurance companies and judicial agencies] van Wijngaarden GK. **Ned Tijdschr Geneeskd** 1985 Apr 27;129(17):783-5 **(Dut)**

[Contribution of visual evoked potentials (VEP) to neurology] Courjon J. **Rev Electroencephalogr Neurophysiol Clin** 1984 Nov;14(2):103-8 (Eng. Abstr.) **(Fre)**

[Neurologic complications in acquired immunodeficiency syndrome (AIDS). A clinical, computer tomographic and neuropathologic case presentation with a review of the literature] Pulst SM. **Nervenarzt** 1984 Aug;55(8):407-12 **(Ger)**

[Neurologic symptoms in 79 leprosy patients in Tanzania] Schmutzhard E, et al. **Nervenarzt** 1984 Dec;55(12):637-9 **(Ger)**

[Frequency of neurologic-psychiatric findings in the late phase following minor and medium severe blunt craniocerebral injuries] Sörgel HJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Feb;37(2):65-74 (Eng. Abstr.) **(Ger)**

[General considerations on the clinical application of evoked potentials] Despland PA. **Schweiz Med Wochenschr** 1984 Sep 1;114(35):1191-7 (Eng. Abstr.) **(Ger)**

[Muscle and nerve biopsy in ambulatory surgical practice] Erenbourg L, et al. **Minerva Med** 1985 Jun 30;76(26-27):1275-8 (Eng. Abstr.) **(Ita)**

[Clinical application of peripheral, spinal and central conduction velocities following stimulation of the posterior tibial nerve] Miyao M. **No To Hattatsu** 1985 Jul;17(4):341-7 (Eng. Abstr.) **(Jpn)**

[The cerebrospinal fluid concentrations of beta-glucuronidase and beta 2-microglobulin in neurological disorders] Oda R, et al. **No To Shinkei** 1985 Feb;37(2):155-60 (Eng. Abstr.) **(Jpn)**

[Neurological manifestations of Schönlein-Henoch purpura] Lupu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1985 Jan-Mar;34(1):63-6 **(Rum)**

[Typology of motor unit potentials and muscle fiber density in neuromuscular diseases] Gekht BM, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1635-42 (Eng. Abstr.) **(Rus)**

[Diagnosis of syndromes of nervous system lesions from ratios of the voltage-time curves of central and motor responses of the muscles of the leg and foot] Starobinets MKh, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1642-8 (Eng. Abstr.) **(Rus)**

[Somatosensory evoked potentials in the diagnosis of lesions of the nervous system (review)] Zenkov LR. **Zh Nevropatol Psikhiatr** 1984;84(12):1860-8 (132 ref.) **(Rus)**

DRUG THERAPY

Effects of GM1 ganglioside on developing and mature serotonin and noradrenaline neurons lesioned by selective neurotoxins. Jonsson G, et al. **J Neurosci Res** 1984;12(2-3):459-75

Drug pumps for treatment of neurologic diseases and pain. Penn RD. **Neurol Clin** 1985 May;3(2):439-51 (30 ref.)

Combined azathioprine and prednisone in chronic inflammatory-demyelinating polyneuropathy. Dyck PJ, et al. **Neurology** 1985 Aug;35(8):1173-6

A review of clinical trials of lithium in neurology. Yung CY. **Pharmacol Biochem Behav** 1984;21 Suppl 1:57-64 (90 ref.)

[Use of propranolol and other beta-adrenolytic drugs in the treatment of nervous system diseases] Głuszcz-Zielińska A. **Wiad Lek** 1984 Nov 15;37(22):1781-6 (Eng. Abstr.) **(Pol)**

EMBRYOLOGY

[Problems in antenatal neurology] Badalian LO. **Zh Nevropatol Psikhiatr** 1984;84(10):1441-6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

N-acetyl-beta-hexosaminidase B deficiency in cultured fibroblasts from a patient with progressive motor neuron disease. Hancock LW, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1185-92

The cytopathogenic agent in CSF: evidence for a relationship with enolase levels [letter] Taylor GR, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):281

Status of cholinesterase activities in blood in neuropsychiatric disorders. Deutsch SI, et al. **Neurochem Res** 1984 Jul;9(7):863-9 (25 ref.)

ETIOLOGY

Clinical expression of glutamate dehydrogenase deficiency. Duvoisin RC, et al. **Adv Neurol** 1984;41:267-79

Persistent fetal circulation. Neurodevelopmental outcome. Sell EJ, et al. **Am J Dis Child** 1985 Jan;139(1):25-8

Long-term neurological morbidity in breech and vertex births. Rosen MG, et al. **Am J Obstet Gynecol** 1985 Mar 15;151(6):718-20

Ionizing radiation and the conceptus: neurophysiologic effects of prenatal X-radiation on offspring. Jensh RP. **Ann Clin Lab Sci** 1985 May-Jun;15(3):185-94

Neuropsychiatric dysfunction in primary Sjögren's syndrome. Malinow KL, et al. **Ann Intern Med** 1985 Sep;103(3):344-50

Neurologic dysfunction in the idiopathic hypereosinophilic syndrome. Moore PM, et al. **Ann Intern Med** 1985 Jan;102(1):109-14

Neurological findings in triosephosphate isomerase deficiency. Poll-The BT, et al. **Ann Neurol** 1985 May;17(5):439-43

Symptomatic vitamin E deficiency in cystic fibrosis. Bye AM, et al. **Arch Dis Child** 1985 Feb;60(2):162–4

Neurologic complications of gastric partitioning. Paulson GW, et al. **Arch Neurol** 1985 Jul;42(7):675–7

Infectious origin and Epstein-Barr virus [letter] Tenser RB. **Arch Neurol** 1985 Jul;42(7):626

Universal dissociated anesthesia due to bilateral brain-stem infarcts. Venna N, et al. **Arch Neurol** 1985 Sep;42(9):918–22

Demonstration of anti-asialo GM1 antibody and its neurocytotoxicity in the sera of systemic lupus erythematosus patients. Hoshino C, et al. **Asian Pac J Allergy Immunol** 1984 Dec;2(2):195–201

Viral aetiology of diseases of obscure origin. Mims CA. **Br Med Bull** 1985 Jan;41(1):63–9 (82 ref.)

Neurological manifestations of snake-bite. Pieris JB. **Ceylon Med J** 1983 Sep;28(3):187–9

Neurological signs in congenital iodine-deficiency disorder (endemic cretinism). DeLong GR, et al. **Dev Med Child Neurol** 1985 Jun;27(3):317–24

Vitamin E and the nervous system. Prensky AL. **Dev Med Child Neurol** 1984 Oct;26(5):669–72

Some aspects of neurological presentation of patients with important cardiac arrhythmias requiring pacemaker therapy: a preliminary report. Fritz VU, et al. **Int J Cardiol** 1985 Jun;8(2):208–11

Cell mediated immunity in leprosy with neurological complications. Dham SK, et al. **J Assoc Physicians India** 1985 Apr;33(4):259–61

Postpartum rubella immunization: association with development of prolonged arthritis, neurological sequelae, and chronic rubella viremia. Tingle AJ, et al. **J Infect Dis** 1985 Sep;152(3):606–12

Neurological complications of Grönblad-Strandberg syndrome. Fasshauer K, et al. **J Neurol** 1984;231(5):250–2

Clinical value of immunohistochemistry with AF-antibody in the diagnosis of familial amyloid neuropathy. Feurle GE, et al. **J Neurol** 1984;231(5):237–43

Polyneuropathy due to polyangiitis overlap syndrome. Kortbeek LH, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):179–81

History of convulsions and use of pertussis vaccine. Stetler HC, et al. **J Pediatr** 1985 Aug;107(2):175–9

Neurological complications appear often in AIDS [news] Marwick C. **JAMA** 1985 Jun 21;253(23):3379, 3383

Plexopathy induced by radiation therapy [letter] Glass JP, et al. **Neurology** 1985 Aug;35(8):1261

Neurologic complications of a coral snake bite. Pettigrew LC, et al. **Neurology** 1985 Apr;35(4):589–92

Neurologic disorder of vitamin E deficiency in acquired intestinal malabsorption. Weder B, et al. **Neurology** 1984 Dec;34(12):1561–5

Ipsilateral sensory symptoms caused by a temporal lobe glioma. Bucci MN, et al. **Neurosurgery** 1985 Aug;17(2):332–4

Temporary neurological deterioration after extracranial-intracranial bypass. Heros RC, et al. **Neurosurgery** 1984 Aug;15(2):178–85

Neurologic manifestations of Schoenlein-Henoch purpura: report of three cases and review of the literature. Belman AL, et al. **Pediatrics** 1985 Apr;75(4):687–92

Pertussis vaccine and neurologic disease [letter] Kumar ML, et al. **Pediatrics** 1985 Mar;75(3):617

Neurological aspects of insulinomas. Daggett P, et al. **Postgrad Med J** 1984 Sep;60(707):577–81

Neurologic complications of systemic cancer. Akman SA, et al. **Primary Care** 1984 Dec;11(4):597–623

The neurologic complications of cardiovascular disease. Kuritzky RA, et al. **Primary Care** 1984 Dec;11(4):681–92

Presence of an abnormal transthyretin (prealbumin) in Portuguese patients with familial amyloidotic polyneuropathy. Saraiva MJ, et al. **Trans Assoc Am Physicians** 1983;96:261–70

Clinical and subclinical nutritional neurological damage in former war prisoners of the Japanese. Venables GS, et al. **Trans R Soc Trop Med Hyg** 1985;79(3):412–4

Some trends of research in the domain of viral neuroinfections approached in the 'Stefan S. Nicolau' Institute of Virology. Drăgănescu N. **Virologie** 1985 Jan-Mar;36(1):47–56

[Neurologic manifestations in patients with cryoglobulinemia] Zeng QY. **Chung Hua Nei Ko Tsa Chih** 1984 Dec;23(12):746–8, 791 (Eng. Abstr.) **(Chi)**

[New findings on neuroinfections] Hanzal F. **Cesk Neurol Neurochir** 1985 Jul;48(4):206–13 **(Cze)**

[Vestibular and neurologic findings induced by long-term exposure to noise and vibration] Krejčová H, et al. **Cesk Neurol Neurochir** 1984 Aug;47(4):233–9 **(Cze)**

[Neurological complications of Behçet's disease; an overview in reference to 5 patients] de Grim E, et al. **Ned Tijdschr Geneeskd** 1984 Sep 15;128(37):1757–60 (Eng. Abstr.) **(Dut)**

[Histiocytosis X with neurologic syndrome. Treatment of a case with Velbe] Lods F, et al. **Bull Soc Ophtalmol Fr** 1984 Feb;84(2):137–9 (Eng. Abstr.) **(Fre)**

[Complications of peridural anesthesia. Study of 218 peridural anesthesias for peripheral vascular surgery] Péré J, et al. **Cah Anesthesiol** 1985 Apr-May;33(3):201–6 **(Fre)**

[Fractures of the sacrum with neurologic complications. A case] Lesoin F, et al. **J Chir (Paris)** 1984 Nov;121(11):647–8 (Eng. Abstr.) **(Fre)**

[Mental neuropathy in a multiple myeloma (letter)] Brissaud P, et al. **Presse Med** 1985 Jan 12;14(1):51 **(Fre)**

[Neurological complications of chronic alcoholism] Neundörfer B, et al. **Wien Klin Wochenschr** 1984 Aug 3;96(15):576–80 (Eng. Abstr.) **(Ger)**

[Neurologic syndromes as atypical courses of vaccination following preventive influenza A vaccination] Heidel G, et al. **Z Gesamte Hyg** 1985 Apr;31(4):218–20 (Eng. Abstr.) **(Ger)**

[Pure sensory stroke due to midbrain hemorrhage--case report] Ueki H, et al. **No To Shinkei** 1985 Feb;37(2):169–72 (Eng. Abstr.) **(Jpn)**

[Polyneuropathy as the first sign of osteosclerotic plasmacytoma] Gjerde IO, et al. **Tidsskr Nor Laegeforen** 1984 Oct 30;104(30):2090–2 **(Nor)**

[Neurological syndromes in anthropozoonoses] Nowak S. **Neurol Neurochir Pol** 1984 May-Jun;18(3):263–7 (24 ref.) **(Pol)**

[Neurological manifestations in hyperosmolar nonketotic diabetic coma] Drăghici L, et al. **Rev Med Interna [Neurol Psihiatr]** 1984 Jul-Sep;29(3):179–83 (Eng. Abstr.) **(Rum)**

[State of the nervous system in subjects with allergic symptoms and in occupational contact with synthetic fibers] Mukhtarova ND. **Gig Tr Prof Zabol** 1985 Jun;(6):23–7 (Eng. Abstr.) **(Rus)**

[State of the nervous system in subjects with allergic manifestations having occupational contact with synthetic fibers] Mukhtarova ND. **Gig Tr Prof Zabol** 1985 Jun;(6):27–8 (Eng. Abstr.) **(Rus)**

[Role of intrauterine hypoxia in the occurrence of neurotic states in the developing rat] Krybus AN, et al. **Patol Fiziol Eksp Ter** 1985 May-Jun;(3):67–71 (Eng. Abstr.) **(Rus)**

[Neurologic disorders in primary infectious toxicosis in children] Badalian LO, et al. **Pediatriia** 1984 Oct;(10):56–8 **(Rus)**

[Status of the nervous system in chronic bronchitis] Anatovskaia VS. **Vrach Delo** 1984 Dec;(12):88–91 (Eng. Abstr.) **(Rus)**

[State of the nervous system in kidney diseases] Korchemnyĭ VA, et al. **Vrach Delo** 1985 Mar;(3):71–3 (Eng. Abstr.) **(Rus)**

[Changes in the nervous system during prolonged hypokinesia (clinico-experimental study)] Shaposhnikov EA, et al. **Zh Nevropatol Psikhiatr** 1984;84(12):1761–6 (Eng. Abstr.) **(Rus)**

[Neurologic manifestations in acquired toxoplasmosis] Vujošević M, et al. **Srp Arh Celok Lek** 1984 Sep;112(9):925–32 (Eng. Abstr.) **(Scc)**

[Neuropathological findings in liver transplantation. Study of 29 cases] Cienfuegos JA, et al. **Med Clin (Barc)** 1985 Feb 9;84(5):169–75 (Eng. Abstr.) **(Spa)**

[Neurological manifestations in systemic lupus erythematosus. Analysis of 22 patients] Morillas López L, et al. **Rev Clin Esp** 1985 Jan;176(1):26–31 (97 ref.) (Eng. Abstr.) **(Spa)**

[Neurobrucellosis] Sanz Moreno J, et al. **Rev Clin Esp** 1985 Apr;176(7):349–53 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Neuronal intranuclear inclusion disease in two adult siblings [letter] Bird TD, et al. **Ann Neurol** 1985 Feb;17(2):212–3

Neurological dysfunctioning in offspring of schizophrenics in Israel and Denmark. A replication analysis. Marcus J, et al. **Arch Gen Psychiatry** 1985 Aug;42(8):753–61

A variant prealbumin-related low molecular weight amyloid fibril protein in familial amyloid polyneuropathy of Japanese origin. Kametani F, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):622–8

Revised analysis of amino acid replacement in a prealbumin variant (SKO-III) associated with familial amyloidotic polyneuropathy of Jewish origin. Nakazato M, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):921–8

Molecular genetic approaches to the study of the nervous system. Hayden MR, et al. **Dev Neurosci** 1983–84;6(4–5):189–214 (99 ref.)

Giant axonal neuropathy: a conditional mutation affecting cytoskeletal organization. Klymkowsky MW, et al. **J Cell Biol** 1985 Jan;100(1):245–50

Neuro-ophthalmology in the recent European literature. Part III. Heredodegenerations, stroke, pain, and diagnostic techniques. Safran AB. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):275–84 (68 ref.)

Neurological disorders with autosomal dominant transmission. Simpson JM. **J Neurosurg Nurs** 1984 Oct;16(5):262–9

Genetic studies of familial amyloid polyneuropathy in the Arao district of Japan. III. Analysis of amyloid fibril protein. Ueji M, et al. **Jinrui Idengaku Zasshi** 1984 Sep;29(3):311–25

Molecular genetic approaches to neurologic and psychiatric diseases. Rosenberg MB, et al. **Prog Neurobiol** 1985;24(2):95–140 (297 ref.)

[Genetic analysis of the susceptibility to neurological manifestations in spinal osteochondrosis] Ritsner MS, et al. **Genetika (Moskva)** 1984 Aug;20(8):1380–6 (Eng. Abstr.) **(Rus)**

HISTORY

Challenges in clinical virology (1958–1974): a personal viewpoint. Ross CA. **J Infect** 1985 Jul;11(1):7–14

Neurological disorders of Dr Samuel Johnson. McHenry LC Jr. **J R Soc Med** 1985 Jun;78(6):485–91

IMMUNOLOGY

Antineuronal antibodies in neuropsychiatric systemic lupus erythematosus. How A, et al. **Arthritis Rheum** 1985 Jul;28(7):789–95

Immunochemical characterization of the specificities of two human monoclonal IgM's reacting with chondroitin sulfates. Kabat EA, et al. **Carbohydr Res** 1984 Jul 15;130:289–97

Interferon-gamma production by peripheral blood leucocytes from patients with multiple sclerosis and other neurological diseases. Vervliet G, et al. **Clin Exp Immunol** 1985 Feb;59(2):391–7

Occurrence of IgA subclasses (IgA1 and IgA2) in the human nervous system. Correlation with disease. Budka H, et al. **Int Arch Allergy Appl Immunol** 1985;76(2):107–15

Antigen-antibody analyses in neurocysticercosis. Grogl M, et al. **J Parasitol** 1985 Aug;71(4):433–42

C1q microtiter plate ELISA system for detecting circulating immune complexes and its application of testing the sera in neurological diseases. Araga S, et al. **Jpn J Exp Med** 1984 Feb;54(1):23–7

Double ligand ELISA technique for the estimation of antibodies to brain tissue antigens in patients with neurological disorders. Bologa L, et al. **Neurochem Res** 1985 Apr;10(4):469–81

Axonal neuropathy in a patient with IgM M-protein reactive with nerve endoneurium. Freddo L, et al. **Neurology** 1985 Sep;35(9):1321–5

The 200- and 150-kDa neurofilament proteins react with IgG autoantibodies from patients with kuru, Creutzfeldt-Jakob disease, and other neurologic diseases. Toh BH, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3485–9

[Developmental trends in neuroimmunology. 2: Specific pathogenesis, special developmental areas, concepts of therapy] Meyer-Rienecker HJ. **Nervenarzt** 1985 Jun;56(6):287–95 **(Ger)**

[Developmental trends in neuroimmunology. 1: Principles, immuno-components, immunogenetics, contributions of virology] Meyer-Rienecker HJ. **Nervenarzt** 1984 Dec;55(12):617–24 **(Ger)**

[Subsets of human natural killer cells in neurological disorders] Tanaka M, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):314–9 (Eng. Abstr.) **(Jpn)**

METABOLISM

Dexamethasone: pharmacokinetics in neurological patients. Eadie MJ, et al. **Clin Exp Neurol** 1984;20:107–18

Neurologic symptoms of biotinidase deficiency: possible explanation. Suchy SF, et al. **Neurology** 1985 Oct;35(10):1510–1

Implications of neuropeptides in neurological diseases. Sagar SM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:255–62 (79 ref.)

MICROBIOLOGY

Mechanisms and consequences of virus persistence in the human nervous system. ter Meulen V, et al. **Ann NY Acad Sci** 1984;436:86–97 (79 ref.)

Host genetic determinants of neurological disease induced by Cas-Br-M murine leukemia virus. Hoffman PM, et al. **J Virol** 1985 Jan;53(1):40–3

Is AIDS caused by a neurotropic virus? [letter] Radding W. **JAMA** 1985 May 17;253(19):2831

Peripheral neuropathies, hepatocellular carcinomas and islet cell adenomas in transgenic mice. Messing A, et al. **Nature** 1985 Aug 1–7;316(6027):461–3

MORTALITY

The relation between umbilical pH values and neonatal neurological morbidity in full term appropriate-for-dates infants. Dijxhoorn MJ, et al. **Early Hum Dev** 1985 May;11(1):33–42

OCCURRENCE

Neuroepidemiology. Kurtzke JF. **Ann Neurol** 1984 Sep;16(3):265–77

Neurological complications of bone marrow transplantation in childhood. Wiznitzer M, et al. **Ann Neurol** 1984 Nov;16(5):569–76

Neurological diseases as seen at the outpatient Paediatric Neurology Clinic in Benin City. Obi JO, et al. **Ann Trop Paediatr** 1984 Dec;4(4):217–20

Observations on Indian neurology. Newman PK, et al. **J R Coll Physicians Lond** 1985 Jan;19(1):13–6 (33 ref.)

[Epidemiologic study on neurological disorders in an urban community of Beijing] Wang ZC. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Apr;17(2):72–7 (Eng. Abstr.) **(Chi)**

[Epidemiology of the neurologic manifestations of alcoholism. Preliminary study in Lombardy] Pieczuro A, et al. **Riv Neurol** 1985 May-Jun;55(3):206–20 (Eng. Abstr.) **(Ita)**

[Neurological pathology in the newborn infant] Rotta NT, et al. **Arq Neuropsiquiatr** 1984 Dec;42(4):346–55 (Eng. Abstr.) **(Por)**

NEWARK PUBLIC LIBRARY

PATHOLOGY

Neuronal intranuclear hyaline inclusion disease presenting as Friedreich's ataxia. Soffer D. **Acta Neuropathol (Berl)** 1985;65(3–4):322–9

Peripheral and autonomic nerve lesions in systemic amyloidosis. Three pathological types of amyloid polyneuropathy. Yamada M, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1251–66

The National Neurological Research Bank. A collection of cryopreserved human neurological specimens for neuroscientists. Tourtellotte WW, et al. **Ann NY Acad Sci** 1984;436:513–6

Ophthalmic pathobiology. Neetens A. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):19–34

Localized hypertrophic neuropathy: a perineurialoma? [letter] Gullotta F. **Clin Neuropathol** 1985 Mar–Apr;4(2):92

Diagnostic role of skin or conjunctival biopsies in neurological disorders. An update. Ceuterick C, et al. **J Neurol Sci** 1984 Aug;65(2):179–91

Multiple system atrophy with neuronal intranuclear hyaline inclusions. Report of a case and review of the literature. Patel H, et al. **J Neurol Sci** 1985 Jan;67(1):57–65

[Significance of iliac crest biopsy in the diagnosis of immunovasculitis in neurologic disease pictures] Hagenah R, et al. **Fortschr Neurol Psychiatr** 1984 Nov; 52(11):398–407 (Eng. Abstr.) (Ger)

PHYSIOPATHOLOGY

Neurological evidence for dissociation of pursuit and optokinetic systems. Barratt H, et al. **Acta Otolaryngol (Stockh)** 1985 Jul–Aug;100(1–2):89–97

Esophageal manometry in familial amyloid polyneuropathy. Burakoff R, et al. **Am J Med** 1985 Jul;79(1):85–9

A simple grating visual acuity test for impaired children. Jenkins PL, et al. **Am J Ophthalmol** 1985 Jun 15;99(6):652–8

Neurological soft signs. Their relationship to psychiatric disorder and intelligence in childhood and adolescence. Shaffer D, et al. **Arch Gen Psychiatry** 1985 Apr; 42(4):342–51

Alterations of drug toxicity in neuropsychiatric disease states. Perucca E, et al. **Arch Toxicol [Suppl]** 1984;7:48–57

Weight appreciation in the hand in normal subjects and in patients with leprous neuropathy. Raj DV, et al. **Brain** 1985 Mar;108 (Pt 1):95–102

Increased muscle action potentials by 5 Hz prolonged nerve stimulation in neurological and neuromuscular disorders––clinical usefulness for detecting underlying pathophysiology. Hakamada S. et al. **Brain Dev** 1984; 6(3):304–10

Multimodality evoked potentials in patients and carriers with adrenoleukodystrophy and adrenomyeloneuropathy. Tobimatsu S, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jan;62(1):18–24

Short latency SEP to median nerve stimulation: recording methods, origin of components and clinical application. Drechsler F. **Electromyogr Clin Neurophysiol** 1985 Mar–Apr;25(2–3):115–34

The experimental administration of lead to rats in neuropathological and behavioural studies. Winder C, et al. **J Appl Toxicol** 1985 Jun;5(3):140–7 (76 ref.)

The pathological basis of conduction block in human neuropathies. Feasby TE, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):239–44

The effect of skin temperature on vibratory sensitivity in polyneuropathy. Tegnér R. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):176–8

[Use of immunology in pediatric neurology] Doutlík S. **Cesk Pediatr** 1985 May;40(5):294–7 (Eng. Abstr.) (Cze)

[Corneal reflex in normal and pathological subjects] Manfredi M, et al. **Rev Neurol (Paris)** 1985;141(3):216–21 (Eng. Abstr.) (Fre)

[The Marcus Gunn phenomenon] Raverdy P, et al. **Rev Neurol (Paris)** 1984;140(12):734–7 (Eng. Abstr.) (Fre)

[Clinical applications of brain stem auditory evoked potentials in otoneurology] Dufour A, et al. **Acta Otorhinolaryngol Ital** 1984;4 Suppl 3:119–28 (Ita)

[Neurotransmitters] Nakamura S. **No To Shinkei** 1985 Apr; 37(4):410–1 (Jpn)

[Electrophysiological investigation of experimental ARA–A neuropathy] Shibuya N, et al. **Rinsho Shinkeigaku** 1984 Nov;24(11):1164–7 (Eng. Abstr.) (Jpn)

[Homolateral imitative synkinesia––symptomatological study. Part 2: Homolateral imitative synkinesia in adult patients] Yamada T, et al. **Rinsho Shinkeigaku** 1984 Aug; 24(8):828–38 (Eng. Abstr.) (Jpn)

[Effect of cerebrospinal fluid on the function of the isolated normal kidney and in a neurodystrophic process] Topalo VG, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jul–Aug; (4):513–21 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Catecholamine-uptake inhibitors prevent the neurotoxicity of 1–methyl–4–phenyl–1,2,3,6–tetrahydropyridine (MPTP) in mouse brain. Pileblad E, et al. **Neuropharmacology** 1985 Jul;24(7):689–92

[Prevention of neuropsychiatric changes in hypokinesia] Shaposhnikov EA. **Zh Nevropatol Psikhiatr** 1985; 85(2):215–9 (Eng. Abstr.) (Rus)

PSYCHOLOGY

Psychiatric illness in inpatients with neurological disorders: patients' views on discussion of emotional problems with neurologists. Bridges KW, et al. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):656–8

RADIOGRAPHY

Computed tomography of the brain in children with minor neurodevelopmental disorders. Bergström K, et al. **Neuropediatrics** 1984 Aug;15(3):115–9

[Neurologic disorders in infants and computerized tomography of the brain] Cupić V, et al. **Acta Med Iugosl** 1984;38(3):155–68 (Eng. Abstr.) (Scr)

REHABILITATION

Play techniques with neurologically impaired preschoolers. Sparling JW, et al. **Am J Occup Ther** 1984 Sep;38(9):603–12

Therapeutic use of companion pets for neurologically impaired patients. Wille R. **J Neurosurg Nurs** 1984 Dec; 16(6):323–5

[Indications and value of physical therapy for osteoarticular and neurologic diseases] Meier JL, et al. **Rev Med Suisse Romande** 1984 Jul;104(7):563–7 (Fre)

SURGERY

Symposium on neurosurgery. **Neurol Clin** 1985 May; 3(2):212–469

[Principles of emergency neurosurgery] Lebedev VV, et al. **Zh Vopr Neirokhir** 1984 Jul–Aug;(4):3–7 (Rus)

THERAPY

Behavioural psychotherapy for neurological illness. Cobb J. **Adv Psychosom Med** 1985;13:151–84 (96 ref.)

A critical approach to therapeutic apheresis in the management of inflammatory dysimmune polyneuropathies. Valbonesi M, et al. **Haematologia (Budap)** 1985;18(1):33–43

Possible effectiveness of plasmapheresis on the neurological complications in a case of acute intermittent porphyria. Sità D, et al. **Ital J Neurol Sci** 1984 Sep;5(3):299–302

[Value of plasma exchange in neurologic complications of acute disseminated lupus erythematosus in children] Couillault G, et al. **Arch Fr Pediatr** 1985 Jan;42(1):41–3 (Eng. Abstr.) (Fre)

[Inpatient, day clinic and ambulatory care of chronically ill children––neuropediatric viewpoints] Neuhäuser G. **Monatsschr Kinderheilkd** 1984 Sep;132(9):631–4 (Eng. Abstr.) (Ger)

[Status and tasks of neurology/psychiatry in internal military medicine] Fanter H, et al. **Z Gesamte Inn Med** 1985 Jan 15;40(2):58–60 (Eng. Abstr.) (Ger)

[Clinical study on therapeutic plasmapheresis––mechanism of its efficacy, indications, and the clinical application. k. Nervous system diseases] Sato T, et al. **Nippon Rinsho** 1984 Aug;42(8):1908–13 (Jpn)

[Etiotropic therapy of herpetic diseases of the nervous system] Mikhaĭlenko AA, et al. **Vrach Delo** 1984 Oct; (10):86–7 (Rus)

[Reflexotherapy of neurologic complications in chronic alcoholism] Anishchenko GIa, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1377–80 (Eng. Abstr.) (Rus)

[Professorial patient rounds in a nervous diseases clinic] Khodos KhG. **Zh Nevropatol Psikhiatr** 1985;85(6):930–3 (Rus)

[Use of magnetotherapy in clinical neurology (review)] Shogam II, et al. **Zh Nevropatol Psikhiatr** 1985;85(1):135–40 (111 ref.) (Rus)

TRANSMISSION

[Lesions of the nervous system in tick-borne erythema annulare] Dekonenko EP, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):539–45 (Eng. Abstr.) (Rus)

VETERINARY

Toxicity in utility pigeons caused by the coccidiostat dinitolmide. Reece RL, et al. **Aust Vet J** 1984 Aug; 61(8):259–61

Congenital quiver, an inherited neurological defect in the chicken. Smyth JR Jr, et al. **J Hered** 1985 Jul–Aug; 76(4):263–6

Delayed neuropathy in adult Peking ducks induced by some organophosphorus esters. Soliman SA, et al. **J Toxicol Environ Health** 1984;14(5–6):789–801

Induction of diplodiosis, a neuromycotoxicosis, in domestic ruminants with cultures of indigenous and exotic isolates of Diplodia maydis. Kellerman TS, et al. **Onderstepoort J Vet Res** 1985 Mar;52(1):35–42

Pathology of a nervous disorder (pushing disease or 'stootsiekte') in cattle caused by the plant Matricaria nigellifolia DC. (Asteraceae). Newsholme SJ, et al. **Onderstepoort J Vet Res** 1984 Jun;51(2):119–27

Topics in feline neurology. Nafe LA. **Vet Clin North Am [Small Anim Pract]** 1984 Nov; 14(6):1289–98 (22 ref.)

NERVOUS SYSTEM NEOPLASMS

Current concepts on the biology of neuroblastoma. Berthold F. **Blut** 1985 Feb;50(2):65–74 (58 ref.)

ANALYSIS

Cellular distribution of cathepsin D in childhood tumors. Parham D, et al. **Arch Pathol Lab Med** 1985 Mar; 109(3):250–5

Immunohistochemistry: techniques and application to neurooncology. De Armond SJ, et al. **Prog Exp Tumor Res** 1984;27:92–117 (116 ref.)

CHEMICALLY INDUCED

Effect of long-term administration of retinoids on rats exposed transplacentally to ethylnitrosourea. Grubbs CJ, et al. **Anticancer Res** 1985 Mar–Apr;5(2):205–9

Neural, pituitary, and mammary tumors in Sprague–Dawley rats treated with X irradiation to the head and N–Ethyl–N–nitrosourea (ENU) during the early postnatal period: a statistical study of tumor incidence and survival. Mandybur TI, et al. **Radiat Res** 1985 Mar;101(3):460–72

[Effect of PS–K on experimental neurogenic tumors in rats induced by ethylnitrosourea] Tokuda K, et al. **Hokkaido Igaku Zasshi** 1984 Sep;59(5):639–42 (Eng. Abstr.) (Jpn)

[Influence of retinol acetate and carbon tetrachloride on the transplacental carcinogenic effect of N–nitrosoethylurea] Bespalov VG, et al. **Farmakol Toksikol** 1984 Sep–Oct; 47(5):67–70 (Eng. Abstr.) (Rus)

CLASSIFICATION

An appraisal of the World Health Organization classification of tumors of the central nervous system. Becker LE. **Cancer** 1985 Oct 1;56(7 Suppl):1858–64

The 'ideal' classification of pediatric central nervous system neoplasms. Burger PC. **Cancer** 1985 Oct 1;56(7 Suppl):1865–8

COMPLICATIONS

Desmoid tumor complicating remobilization treatment for a chronic pain syndrome. Hoffberg HJ, et al. **Arch Phys Med Rehabil** 1985 May;66(5):332–4

Spinal cord compression in neuroblastoma. Massad M, et al. **Surg Neurol** 1985 Jun;23(6):567–72

Malignant chemodectoma of the carotid body causing spinal cord compression. Occhiogrosso M, et al. **Surg Neurol** 1985 Jan;23(1):14–8

DIAGNOSIS

Contribution of nuclear magnetic resonance (NMR) imaging to the diagnosis of non-traumatic neurosurgical diseases. Lavieille J, et al. **J Neuroradiol** 1984;11(4):293–305 (Eng, Fre)

DRUG THERAPY

[Effectiveness of chemotherapy of advanced forms of neuroblastoma in children according to the program of the RWPG] Bożek J, et al. **Pediatr Pol** 1984 Nov;59(11):943–8 (Eng. Abstr.) (Pol)

FAMILIAL & GENETIC

C–banding studies in lymphocytes from patients with tumors of the nervous system. Rey JA, et al. **Cancer Genet Cytogenet** 1985 Feb 1;15(1–2):129–36

Genetics in neuro–oncology. Martuza RL. **Clin Neurosurg** 1983;31:417–40

[DNA levels in the cell nuclei of nervous system tumors induced by ethylnitrosourea] Khalanskiĭ AS, et al. **Eksp Onkol** 1984;6(1):32–6 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Shared antigenic determinants between human hemopoietic cells and nervous tissues and tumors. Budka H, et al. **Acta Neuropathol (Berl)** 1985;67(1–2):58–66

Antigenic heterogeneity of human anaplastic gliomas and glioma–derived cell lines defined by monoclonal antibodies. Wikstrand CJ, et al. **J Neuropathol Exp Neurol** 1985 May; 44(3):229–41

OCCURRENCE

[Epidemiology of nervous system neoplasms in various provinces of Poland] Wender M, et al. **Przegl Epidemiol** 1984;38(4):377–87 (Eng. Abstr.) (Pol)

PATHOLOGY

Malignant melanoma of the sympathetic chain: with a consideration of pigmented nerve sheath tumours. Krausz T, et al. **Histopathology** 1984 Sep;8(5):881–94

Neuroblastoma. López–Ibor B, et al. **Pediatr Clin North Am** 1985 Jun;32(3):755–78 (191 ref.)

Prognostic value of round cell (lymphocyte) infiltration in malignant gliomas. Safdari H, et al. **Surg Neurol** 1985 Mar; 23(3):221–6

PHYSIOPATHOLOGY

[Neuroendocrine tumors. Biochemical and physiopathological aspects] Dreux C, et al. **C R Soc Biol (Paris)** 1985;179(1):5–20 (Eng. Abstr.) (Fre)

PREVENTION & CONTROL

Intrathecal chemoprophylaxis in the prevention of central nervous system relapse in Burkitt's lymphoma. Nkrumah FK, et al. **Cancer** 1985 Jul 15;56(2):239–42

Prophylaxis and treatment of leukemia in the central nervous system and other sanctuaries. Bleyer WA, et al. **Semin Oncol** 1985 Jun;12(2):131–48 (91 ref.)

SECONDARY

Cerebrospinal fluid beta-glucuronidase activities in patients with central nervous system metastases. van Zanten AP, et al. **Clin Chim Acta** 1985 Apr 15;147(2):127–34

SURGERY

[Value and limitations of the use of CO2 laser in neurosurgery. Reflexions from a french experience] Roux FX, et al. **Neurochirurgie** 1984;30(5):335–9 (Eng. Abstr.) **(Fre)**

THERAPY

Comparison of maintenance treatment regimens for first central nervous system relapse in children with acute lymphocytic leukemia. A Pediatric Oncology Group study. Land VJ, et al. **Cancer** 1985 Jul 1;56(1):81–7

The importance of an isolated central nervous system relapse in children with acute lymphoblastic leukemia. George SL, et al. **J Clin Oncol** 1985 Jun;3(6):776–81

ULTRASTRUCTURE

The pathobiology of human neuromas: an electron microscopic and biochemical study. Badalamente MA, et al. **J Hand Surg [Br]** 1985 Feb;10(1):49–53

Amyloid neuropathy: relationship between amyloid fibrils and macrophages. Vital A, et al. **Ultrastruct Pathol** 1984; 7(1):21–4

VETERINARY

Spontaneous tumors of the nervous system and associated organs and/or tissues in rats. Maekawa A, et al. **Gann** 1984 Sep;75(9):784–91

NESIDIOBLASTOMA see **ISLET CELL TUMOR**

NESIDIOBLASTOSIS see **PANCREATIC DISEASES**

NESIDIOBLASTS see **ISLANDS OF LANGERHANS**

NESTING BEHAVIOR

Two kinds of timing in circadian incubation rhythm of ring doves. Gibbon J, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R1083–7

Influence of various nesting materials on nest site selection of the domestic hen. Huber HU, et al. **Br Poult Sci** 1985 Jul;26(3):367–73

Suppression of postpartum fertility in pairs of female rats sharing the same nesting environment. Gudermuth DF, et al. **Physiol Behav** 1984 Aug;33(2):257–60

DRUG EFFECTS

Nest defense behavior and reproductive success of laughing gulls sublethally dosed with parathion. King KA, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):499–504

Effects of intracranial prolactin administration on maintenance of incubation readiness, ingestive behavior, and gonadal condition in ring doves. Buntin JD, et al. **Horm Behav** 1985 Jun;19(2):188–203

The effect of clomiphene-citrate on broody turkey hens. Robinzon B, et al. **Poult Sci** 1984 Nov;63(11):2268–70

PHYSIOLOGY

Hormonal correlates of polyandry in the spotted sandpiper, Actitis macularia. Rissman EF, et al. **Gen Comp Endocrinol** 1984 Dec;56(3):401–5

Aspects of the neuroendocrine control of ovulation and broodiness in the domestic hen. Sharp PJ, et al. **J Exp Zool** 1984 Dec;232(3):475–83 (37 ref.)

NETILMICIN see under **GENTAMICINS**

NETROPSIN see under **GUANIDINES**

NEURAL ANALYZERS

PHYSIOLOGY

[Current concepts of the principles of odor discrimination in the olfactory organ of vertebrates] Gladysheva OS, et al. **Usp Fiziol Nauk** 1985 Apr–Jun;16(2):98–111 (98 ref.) **(Rus)**

[Sensitivity and reactivity of the vestibular analyzer in children] Mostovaia TS, et al. **Vestn Otorinolaringol** 1985 Jan–Feb;(1):13–5 (Eng. Abstr.) **(Rus)**

[Role of dominant motivation in organizing the functions of the higher divisions of the auditory analyzer in the cat] Komissarov VI. **Zh Vyssh Nerv Deiat** 1984 Sep–Oct; 34(5):881–7 (Eng. Abstr.) **(Rus)**

[Significance of presetting an analyzer system in discriminating light intensity in the cat] Lavrov VV. **Zh Vyssh Nerv Deiat** 1985 Mar–Apr;35(2):245–52 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Interference-resistance of the auditory analyzer in complex audiometry in Ménière's disease] Diskalenko VV. **Vestn Otorinolaringol** 1984 Nov–Dec;(6):44–7 (Eng. Abstr.) **(Rus)**

NEURAL CONDUCTION

Diurnal fluctuations of human nerve conduction velocity. Montagna P, et al. **Acta Neurol Scand** 1985 Mar; 71(3):249–51

Vibratory perception threshold compared with nerve conduction velocity in the evaluation of uremic neuropathy. Tegnér R, et al. **Acta Neurol Scand** 1985 Apr; 71(4):284–9

Effect of basic pacing cycle length on sinus node refractoriness in the rabbit. Kerr CR, et al. **Am J Cardiol** 1985 Jul 1;56(1):162–7

Evoked responses from peripheral stimulation of the facial nerve. Hanson DG, et al. **Am J Otolaryngol** 1985 Mar–Apr; 6(2):98–102

Orthodromic sensory nerve conduction of the medial and lateral plantar nerves. A standardization. Belen J. **Am J Phys Med** 1985 Feb;64(1):17–23

Reappraisal of the electroneurographic and electromyographic diagnosis of diabetic peripheral neuropathy. Felsenthal G, et al. **Am J Phys Med** 1984 Dec; 63(6):278–88

Effect of therapeutic ultrasound intensity on subcutaneous tissue temperature and ulnar nerve conduction velocity. Kramer JF. **Am J Phys Med** 1985 Feb;64(1):1–9

Nerve Na+-K+-ATPase, conduction, and myo-inositol in the insulin-deficient BB rat. Greene DA, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):E534–9

Ischemic conduction failure and energy metabolism in experimental diabetic neuropathy. Low PA, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):E457–62

Measurement of central somatosensory conduction time in patients undergoing cardiopulmonary bypass: an index of neurologic function. Kopf GS, et al. **Am J Surg** 1985 Apr; 149(4):445–8

Linear regression to determine the relationship between F-wave latency and limb length in control dogs. Steiss JE. **Am J Vet Res** 1984 Dec;45(12):2649–50

Differential margin of safety of conduction in individual peripheral axons. Fink BR, et al. **Anesthesiology** 1985 Jul; 63(1):65–9

Principles and pitfalls of nerve conduction studies. Kimura J. **Ann Neurol** 1984 Oct;16(4):415–29

Improved optic nerve conduction with ingestion of ice water [letter] Scherokman BJ, et al. **Ann Neurol** 1985 Apr; 17(4):418–9

The nerve allograft response—an experimental model in the rat. Mackinnon SE, et al. **Ann Plast Surg** 1985 Apr; 14(4):334–9

Neuropathy associated with Brescia-Cimino arteriovenous fistulas. Knezevic W, et al. **Arch Neurol** 1984 Nov; 41(11):1184–6

Median nerve determinations [letter] **Arch Phys Med Rehabil** 1984 Dec;65(12):792–3

Physical activity: its influence on nerve conduction velocity. Halar EM, et al. **Arch Phys Med Rehabil** 1985 Sep; 66(9):605–9

Medial and lateral antebrachial cutaneous nerves: standardization of technique, reliability and age effect on healthy subjects. Izzo KL, et al. **Arch Phys Med Rehabil** 1985 Sep;66(9):592–7

Distal sensory nerves of the lower extremity in peripheral neuropathy: comparison of medial dorsal cutaneous and sural nerve abnormalities. Izzo KL, et al. **Arch Phys Med Rehabil** 1985 Jan;66(1):7–10

Stimulus artifact reduction in nerve conduction. Kornfield MJ, et al. **Arch Phys Med Rehabil** 1985 Apr;66(4):232–5

Sensory palmar stimulation in the diagnosis of carpal tunnel syndrome. Monga TN, et al. **Arch Phys Med Rehabil** 1985 Sep;66(9):598–600

Ulnar nerve conduction study of the first dorsal interosseous muscle. Olney RK, et al. **Arch Phys Med Rehabil** 1985 Jan;66(1):16–8

Ulnar nerve conduction [letter] Pavlak D, et al. **Arch Phys Med Rehabil** 1985 Jun;66(6):406

Peripheral nerve involvement in Bell's palsy. Bueri JA, et al. **Arq Neuropsiquiatr** 1984 Dec;42(4):341–5

Longitudinal brainstem axons mediating circling: behavioral measurement of conduction velocity distributions. Yeomans JS, et al. **Behav Brain Res** 1985 Apr;15(2):121–35

Diurnal variation in nerve conduction, hand volume, and grip strength in the carpal tunnel syndrome. Wilson-MacDonald J, et al. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1042

Evaluation of neuronal connectivity: sensitivity of cross-correlation. Aertsen AM, et al. **Brain Res** 1985 Aug 12;340(2):341–54

Motor unit recruitment and firing rates interaction in the control of human muscles. Broman H, et al. **Brain Res** 1985 Jul 1;337(2):311–9

Monoclonal antibodies associated with sodium channel block nerve impulse and stain nodes of Ranvier. Meiri H, et al. **Brain Res** 1984 Sep 17;310(1):168–73

Recruitment patterns in the rat hindlimb muscle during swimming. Roy RR, et al. **Brain Res** 1985 Jun 24; 337(1):175–8

Disturbances of peripheral and autonomic nervous system in chronic renal failure: effects of hemodialysis and transplantation. Heidbreder E, et al. **Clin Nephrol** 1985 May;23(5):222–8

Electrodiagnosis and nerve conduction studies. Posuniak EA. **Clin Podiatry** 1984 Aug;1(2):279–90

The relationship between mean power frequency of the EMG spectrum and muscle fibre conduction velocity. Arendt-Nielsen L, et al. **Electroencephalogr Clin Neurophysiol** 1985 Feb;60(2):130–4

Changes in the recruitment pattern of single motor units in the blink reflex of patients with parkinsonism and hemiplegia. Dengler R, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):16–22

Nerve impulse propagation along central and peripheral fast conducting motor and sensory pathways in man. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1985 Apr; 60(4):320–34

Recovery from acute demyelinating conduction block in the presence of prolonged distal conduction delay due to peripheral nerve constriction. Baba M, et al. **Electromyogr Clin Neurophysiol** 1984 Nov–Dec;24(7):611–7

Electrophysiological studies in myotonic dystrophy. I: Potential motor unit parameters and conduction velocity of the motor and sensory peripheral nerve fibres. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1984 Nov–Dec;24(7):523–35

Temperature and nerve conduction velocity, some practical problems. Geerlings AH, et al. **Electromyogr Clin Neurophysiol** 1985 May–Jun;25(4):253–9

A study of risk factors for nerve conduction abnormalities in diabetes. Laor A, et al. **Electromyogr Clin Neurophysiol** 1985 Mar–Apr; 25(2–3):175–82

The boundary conditions for measurement of the conduction velocity of muscle fibres with surface EMG. Sollie G, et al. **Electromyogr Clin Neurophysiol** 1985 Jan–Feb; 25(1):45–56

The measurement of the conduction velocity of muscle fibres with surface EMG according to the cross-correlation method. Sollie G, et al. **Electromyogr Clin Neurophysiol** 1985 May–Jun;25(4):193–204

Dependence of conduction velocity on spike interval during voluntary muscular contraction in human motor units. Morimoto S, et al. **Eur J Applied Physiol** 1984;53(3):191–5

Influence of molecular layer on pyramidal tract neurons. Chen ZQ, et al. **Exp Neurol** 1985 Apr;88(1):215–28

Conduction velocity changes along lumbar primary afferent fibers in cats. Rindos AJ, et al. **Exp Neurol** 1984 Nov; 86(2):208–26

Difference between measured and calculated critical delay of bulbospinal respiratory neurons caused by determinations of refractoriness. St. John WM, et al. **Exp Neurol** 1985 Apr;88(1):229–33

Motor nerve conduction velocity and nerve polyols in mice with short-term genetic or streptozotocin-induced diabetes. Whiteley SJ, et al. **Exp Neurol** 1985 Aug; 89(2):314–21

The conduction velocity, number, and diameter of unmyelinated fibers in Remak's nerve. Hodgkiss JP, et al. **Experientia** 1985 Jul 15;41(7):919–21

Magnetic measurements of action currents in a single nerve axon: a core-conductor model. Barach JP, et al. **IEEE Trans Biomed Eng** 1985 Feb;32(2):136–40

Bidirectional nerve refractory characteristics in simulations of direct and remote stimulation. Wood SL, et al. **IEEE Trans Biomed Eng** 1985 Jun;32(6):428–38

Greater auricular nerve conduction in leprosy. Gourie-Devi M. **Ind J Lepr** 1984 Apr–Jun;56(2):182–90

Spacetime body maps and somatosensory evoked potentials. Stowell H. **Int J Neurosci** 1984 Dec;25(1–2):47–52

Metabolic indicators of fibre recruitment in mammalian muscles during locomotion. Armstrong RB, et al. **J Exp Biol** 1985 Mar;115:201–13

The influence of inactivity on membrane resting conductances of rat skeletal muscle fibres undergoing reinnervation. Conte-Camerino D, et al. **J Exp Biol** 1985 Mar;115:99–104

Delays in recruitment at different trophic levels: effects on stability. Hastings A. **J Math Biol** 1984;21(1):35–44

Conduction block in a branching axon innervating two muscles under physiological conditions. Baranes-Shahrabany O, et al. **J Neurobiol** 1984 Jul; 15(4):263–71

Sural nerve conduction in mild polyneuropathy. Kayser-Gatchalian MC, et al. **J Neurol** 1984;231(3):122–5

The pathological basis of conduction block in human neuropathies. Feasby TE, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):239–44

Phrenic nerve conduction time in Guillain-Barré syndrome. Gourie-Devi M, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):245–9

Cochlear axon calibres are adjusted to characteristic frequencies. Friede RL. **J Neurol Sci** 1984 Nov–Dec; 66(2–3):193–200

Effects of acute nerve compression on conduction of impulse trains of increasing frequency. Jewett DL, et al. **J Neurol Sci** 1985 Feb;67(2):187–99

Effects of IDPN-induced axonal swellings on conduction

NEWARK PUBLIC LIBR

in motor nerve fibers. Stanley EF, et al. **J Neurol Sci** 1985 Jul;69(3):183-200

Non-linear effects of age on nerve conduction in adults. Taylor PK. **J Neurol Sci** 1984 Nov-Dec;66(2-3):223-34

Recruitment order of motoneurons in stretch reflexes is highly correlated with their axonal conduction velocity. Bawa P, et al. **J Neurophysiol** 1984 Sep;52(3):410-20

Voluntary and reflexive recruitment of flexor carpi radialis motor units in humans. Calancie B, et al. **J Neurophysiol** 1985 May;53(5):1194-200

Pressure and temperature: time-dependent modulation of membrane properties in a bifurcating axon. Grossman Y, et al. **J Neurophysiol** 1984 Oct;52(4):693-708

Relationship among recruitment order, axonal conduction velocity, and muscle-unit properties of type-identified motor units in cat plantaris muscle. Zajac FE, et al. **J Neurophysiol** 1985 May;53(5):1303-22

Localization of active sites along the myelinated goldfish Mauthner axon: morphological and pharmacological evidence for saltatory conduction. Funch PG, et al. **J Neurosci** 1984 Sep;4(9):2397-409

Reflex activity and axonal conduction in the L-7 spinal cord segment following experimental compression trauma. Nacimiento AC, et al. **J Neurosurg** 1985 Jun;62(6):898-905

Relationship between hemispheric cerebral blood flow, central conduction time, and clinical grade in aneurysmal subarachnoid hemorrhage. Rosenstein J, et al. **J Neurosurg** 1985 Jan;62(1):25-30

Sequential recruitment in the discrimination of velocity. McKee SP, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):243-51

Electrical properties of rat dorsal root ganglion neurones with different peripheral nerve conduction velocities. Harper AA, et al. **J Physiol (Lond)** 1985 Feb;359:47-63

Conduction velocity is related to morphological cell type in rat dorsal root ganglion neurones. Harper AA, et al. **J Physiol (Lond)** 1985 Feb;359:31-46

Abnormalities in central and peripheral nerve conduction in patients with anorectal incontinence. Snooks SJ, et al. **J R Soc Med** 1985 Apr;78(4):294-300

Proximal conduction block in early Guillain-Barré syndrome [letter] Mills KR, et al. **Lancet** 1985 Sep 21;2(8456):659

Axonal transport and nerve conduction and their relation to nerve polyol and myo-inositol levels in spontaneously diabetic BB/D rats. Mayer JH, et al. **Neurochem Pathol** 1984-85 Winter;2(4):285-93

Selective recording mandatory in determining conduction velocity in human muscle fibers [letter] Meadows JC. **Neurology (NY)** 1984 Oct;34(10):1398

Long-latency responses in human thenar muscles mediated by fast conducting muscle and cutaneous afferents. Deuschl G, et al. **Neurosci Lett** 1985 Apr 19;55(3):361-6

Central determination of recruitment order: intracellular study of phrenic motoneurons. Monteau R, et al. **Neurosci Lett** 1985 May 23;56(3):341-6

Variations in axonal conduction velocity in olfactory peduncle neurons of the armadillo. Moyano HF, et al. **Neurosci Lett** 1985 Apr 9;55(2):131-6

Aging effects on conduction velocities of myelinated and unmyelinated fibers of peripheral nerves. Sato A, et al. **Neurosci Lett** 1985 Jan 7;53(1):15-20

Median nerve F-wave conduction in healthy subjects. Cornwall MW, et al. **Phys Ther** 1984 Nov;64(11):1679-83

Evaluation of sensory nerve conduction velocity testing of the superficial radial nerve. Echternach JL, et al. **Phys Ther** 1985 Apr;65(4):470-3

Influences of age and body height on central somatosensory conduction time in normal subjects. Chang YC. **Taiwan I Hsueh Hui Tsa Chih** 1984 Sep;83(9):912-21

Neuropathy in Ethiopian diabetics: a correlation of clinical and nerve conduction studies. Haimanot RT, et al. **Trop Geogr Med** 1985 Mar;37(1):62-8

[The significance of stimulatory parameters of motor nerve fibers and the effect of cooling in diagnosing fine sensory lesions in peripheral nerves] Kyral V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1982;25(5):451-9 (Eng. Abstr.) **(Cze)**

[Single-fiber EMG in muscular dystrophy] Claes G, et al. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):27-34 **(Dut)**

[The effect of skin temperature on the conductivity of the sural nerve] D'Haese M, et al. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):47-9 **(Dut)**

[Stimulation-detection electromyography in kinetic and postural abnormalities of the diaphragm] Delhez L. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):15-9 (Eng. Abstr.) **(Fre)**

[Neuronal network with modifiable synapses: decoding of composite sensory messages under unsupervised and permanent learning] Hérault J, et al. **C R Acad Sci [III]** 1984;299(13):525-8 (Eng. Abstr.) **(Fre)**

[Motor, sensory electroneurographic and electromyographic results as well as somatosensory evoked potentials in comparison to clinical findings following nerve suture] Tackmann W, et al. **Fortschr Neurol Psychiatr** 1985 Apr;53(4):123-33 (Eng. Abstr.) **(Ger)**

[Electromyography and electroneurography in the follow-up study of carpal tunnel syndrome patients] Schoenhuber R, et al. **Neurochirurgia (Stuttg)** 1984 Sep;27(5):144-5 (Eng. Abstr.) **(Ger)**

[Volume conduction in the electroneurographic study of arm and leg nerves] Reichel G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jul;36(7):420-6 (Eng. Abstr.) **(Ger)**

[Monopolar needle stimulation--improvement of motor neuron stimulation] Röder H, et al. **Zentralbl Neurochir** 1984;45(4):309-13 (Eng. Abstr.) **(Ger)**

[Peripheral nerve conduction velocity--with special reference to the effects of temperature and age factors] Kihara Y, et al. **Rinsho Byori** 1985 Feb;Spec No 61:139-46 **(Jpn)**

[Sensory nerve conduction by the medial antebrachial cutaneous nerve] Kimura I. **Rinsho Shinkeigaku** 1985 Feb;25(2):179-84 (Eng. Abstr.) **(Jpn)**

[Electrophysiological aspects of 639 symptomatic extremities with carpal tunnel syndrome] Kinura I, et al. **Rinsho Shinkeigaku** 1984 Aug;24(8):806-12 (Eng. Abstr.) **(Jpn)**

[A study of neural and circulatory disturbances of the hands in patients with collagen disease--sensory nerve conduction velocity and plethysmography] Sumita H, et al. **Rinsho Shinkeigaku** 1984 Sep;24(9):880-3 (Eng. Abstr.) **(Jpn)**

[Conduction in the motor neurons of the peripheral nerves in hemiplegia of cerebral origin] Samusik J. **Neurol Neurochir Pol** 1984 Jul-Aug;18(4):333-8 (Eng. Abstr.) **(Pol)**

[Study of the peripheral nervous system in diabetes mellitus using the F-wave] Drozdowski W. **Pol Tyg Lek** 1984 Dec 3;39(49):1597-600 (Eng. Abstr.) **(Pol)**

[Condition of optimum conduction of synaptic excitation along the dendritic fiber] Manianin II. **Biofizika** 1985 Mar-Apr;30(2):332-6 (Eng. Abstr.) **(Rus)**

[Method of dissecting peripheral nerve sheaths with an ultrasonic microscalpel that does not disturb neural conduction] Ermishkin VV, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):631-3 (Eng. Abstr.) **(Rus)**

[Role of the commissural channels of the somatosensory system in the conduction of feedback signals during the control of voluntary movements] Fedan VA, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):387-90 (Eng. Abstr.) **(Rus)**

[Interaction of catecholamine and opiate structures of the brain at the neuronal level] Bondarenko TT. **Fiziol Zh SSSR** 1983 Jul;69(7):876-80 (Eng. Abstr.) **(Rus)**

[Action potential conduction velocity along the caudal and tibial nerves in rat strains selected for excitability of the neuromuscular system] Vaĭdo AI, et al. **Genetika (Moskva)** 1985 Feb;21(2):262-4 (Eng. Abstr.) **(Rus)**

[Effect of electroacupuncture on the conduction of afferent signals in the superior colliculus] Durinian RA, et al. **Patol Fiziol Eksp Ter** 1985 Jan-Feb;(1):47-9 (Eng. Abstr.) **(Rus)**

[Effects of the length of the stimulation cycle and of autonomic block on the refractory periods of the atrioventricular node] Valentín Segura V, et al. **Rev Esp Cardiol** 1984 Sep-Oct;37(5):330-5 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Differential effects of glucose and potassium lack in conduction block of myelinated and unmyelinated axons. Schimek F, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:447-51

Microalbuminuria and nerve conduction velocity in type-I diabetics during conventional therapy and during continuous i.v. insulin infusion. Morell B, et al. **Acta Diabetol Lat** 1984 Oct-Dec;21(4):303-13

Fentanyl and alfentanil suppress brainstem pain transmission. Yuge O, et al. **Anesth Analg** 1985 Jun;64(6):597-600

Neurophysiological studies on the relation between the structural properties and neurotoxicity of aliphatic hydrocarbon compounds in rats. Misumi J, et al. **Br J Ind Med** 1984 Nov;41(4):526-32

Hydrostatic pressure modifies the action of octanol and atropine on frog endplate conductance. Ashford ML, et al. **Br J Pharmacol** 1984 Oct;83(2):477-84

Inhibition of GABA uptake potentiates the conductance increase produced by GABA-mimetic compounds on single neurones in isolated olfactory cortex slices of the guinea-pig. Brown DA, et al. **Br J Pharmacol** 1984 Sep;83(1):195-202

Inhibitory effects of forskolin and papaverine on nerve conduction partially blocked by tetrodotoxin in the frog sciatic nerve. Ribeiro JA, et al. **Br J Pharmacol** 1985 May;85(1):309-13

4-Aminopyridine leads to restoration of conduction in demyelinated rat sciatic nerve. Targ EF, et al. **Brain Res** 1985 Mar 4;328(2):358-61

Serial electrophysiologic studies of the effects of oral diltiazem on paroxysmal supraventricular tachycardia. Yeh SJ, et al. **Chest** 1985 May;87(5):639-43

Polychlorinated biphenyl poisoning: correlation of sensory and motor nerve conduction, neurologic symptoms, and blood levels of polychlorinated biphenyls, quaterphenyls, and dibenzofurans. Chen RC, et al. **Environ Res** 1985 Aug;37(2):340-8

Reversal of deficits in axonal transport and nerve conduction velocity by treatment of streptozotocin-diabetic rats with myo-inositol. Tomlinson DR, et al. **Exp Neurol** 1985 Aug;89(2):420-7

Multiple actions of a molluscan cardioexcitatory neuropeptide and related peptides on identified Helix neurones. Cottrell GA, et al. **J Physiol (Lond)** 1984 Nov;356:315-33

Properties of ICI 128,436, a novel aldose reductase inhibitor, and its effects on diabetic complications in the rat. Stribling D, et al. **Metabolism** 1985 Apr;34(4):336-44

Tolerance for the decrease in nerve conduction velocity and for the motor impairment produced by ethanol in mice: differential development during chronic ethanol consumption. Juntunen J, et al. **Neurobehav Toxicol Teratol** 1984 May-Jun;6(3):245-8

Reversible nerve lesions after accidental polychlorinated biphenyl exposure. Seppäläinen AM, et al. **Scand J Work Environ Health** 1985 Apr;11(2):91-5

[Preliminary observations on the blocking effect of herba asari decoction on nerve conduction] Zhang ML. **Chung Yao Tung Pao** 1984 Nov;9(6):35-7 **(Chi)**

[Pilot study in the rat of the applicability of the refractory period of peripheral nerves as a biosensor for insulin-induced hypoglycemia] Krötlinger M, et al. **Wien Med Wochenschr** 1984 Nov 15;134(21):463-4, 466 (Eng. Abstr.) **(Ger)**

[Immediate effects of cerebral gangliosides in peripheral neuropathies: electromyographic evaluation] Forti F, et al. **Arq Neuropsiquiatr** 1984 Dec;42(4):356-61 (Eng. Abstr.) **(Por)**

RADIATION EFFECTS

Effects of clinical infrared laser on superficial radial nerve conduction. Greathouse DG, et al. **Phys Ther** 1985 Aug;65(8):1184-7

NEURAL CREST

Neurocrest and colonic tumors: new clinical syndrome. Report of three cases. Wade JL 3d, et al. **Am J Med** 1984 Oct;77(4):725-8

Pre-Gardner's syndrome, thyroglossal cysts and undifferentiated tumor of neural crest origin. Helson L. **Anticancer Res** 1984 Jul-Oct;4(4-5):247-9

Role of the neural crest in anterior segment development and disease. Beauchamp GR, et al. **J Pediatr Ophthalmol Strabismus** 1984 Nov-Dec;21(6):209-14

[Neurocristopathy in pediatric neurosurgery] Pařízek J, et al. **Cas Lek Cesk** 1985 Mar 1;124(9):270-1 (Eng. Abstr.) **(Cze)**

[rare variant of complex neurocristopathy in a child] Nepomniashchaia KV. **Pediatriia** 1985 Mar;(3):72 **(Rus)**

ANATOMY & HISTOLOGY

The development and distribution of the cranial neural crest in the rat embryo. Tan SS, et al. **Cell Tissue Res** 1985;240(2):403-16

CYTOLOGY

The ultrastructure of early cephalic neural crest cell migration in the mouse. Innes PB. **Anat Embryol (Berl)** 1985;172(1):33-8

On the differentiation and migration of some non-neuronal neural crest derived cell types. Wachtler F. **Anat Embryol (Berl)** 1984;170(2):161-8

The distribution and spatial organization of the extracellular matrix encountered by mesencephalic neural crest cells. Brauer PR, et al. **Anat Rec** 1985 Jan;211(1):57-68

Quail neural crest cells transformed by Rous sarcoma virus can be established into differentiating permanent cell cultures. Pessac B, et al. **Brain Res** 1985 Jun;352(2):235-9

Molecular probes for the development and plasticity of neural crest derivatives. Anderson DJ, et al. **Cell** 1985 Sep;42(2):649-62

Tension in the culture dish: microfilament organization and migratory behavior of quail neural crest cells. Tucker RP, et al. **Cell Motil** 1985;5(3):225-37

Contact behaviour exhibited by migrating neural crest cells in confrontation culture with somitic cells. Gooday D, et al. **Cell Tissue Res** 1985;241(1):165-9

Control of the onset of migration of neural crest cells in avian embryos. Role of Ca++-dependent cell adhesions. Newgreen DF, et al. **Cell Tissue Res** 1985;239(2):329-36

Segregation of developmental abilities in neural-crest-derived cells: identification of partially restricted intermediate cell types in the branchial arches of avian embryos. Ciment G, et al. **Dev Biol** 1985 Sep;111(1):73-83

Control of neural crest cell dispersion in the trunk of the avian embryo. Erickson CA. **Dev Biol** 1985 Sep;111(1):138-57

Identification of early neuronal subpopulations in avian neural crest cell cultures. Girdlestone J, et al. **Dev Biol** 1985 Jun;109(2):274-87

Stimulation of initial neural crest cell migration in the axolotl embryo by tissue grafts and extracellular matrix transplanted on microcarriers. Löfberg J, et al. **Dev Biol** 1985 Feb;107(2):442-59

Development of cells containing catecholamines and somatostatin-like immunoreactivity in neural crest cultures: relationship of DNA synthesis to phenotypic expression. Maxwell GD, et al. **Dev Biol** 1985 Mar;108(1):203-9

Analysis of the origins and early fates of neural crest cells in caudal regions of avian embryos. Schoenwolf GC, et al. **Dev Biol** 1985 Aug;110(2):467-79

In vitro proliferation and terminal differentiation of quail neural crest cells in a defined culture medium. Sieber-Blum M, et al. **Exp Cell Res** 1985 May;158(1):267-72

Biologically active synthetic peptides as probes of embryonic development: a competitive peptide inhibitor of fibronectin function inhibits gastrulation in amphibian embryos and neural crest cell migration in avian embryos. Boucaut JC, et al. **J Cell Biol** 1984 Nov;99(5):1822-30

Isolation and characterization of a factor from calf serum that promotes the pigmentation of embryonic and transformed melanocytes. Jerdan JA, et al. **J Cell Biol** 1985 May;100(5):1493-8

Quantitative localization of polystyrene microspheres following microinjection in the avian metencephalic neural crest pathway. Davis JU, et al. **J Craniofac Genet Dev Biol** 1985;5(1):11-9

THe acellular stroma of the chick cornea inhibits melanogenesis of the neural-crest-derived cells that colonize it. Campbell S, et al. **J Embryol Exp Morphol** 1985 Apr;86:143-54

The differentiation in vitro of the neural crest cells of the mouse embryo. Ito K, et al. **J Embryol Exp Morphol** 1984 Dec;84:49-62

The kinetic behaviour of the cranial neural epithelium during neurulation in the rat. Tuckett F, et al. **J Embryol Exp Morphol** 1985 Feb;85:111-9

Neural fold and neural crest movement in the Mexican salamander Ambystoma mexicanum. Brun RB. **J Exp Zool** 1985 Apr;234(1):57-61

Nerve growth factor induces neural differentiation in undifferentiated cell of early chick embryos. Lee HY, et al. **J Exp Zool** 1985 Jan;233(1):83-91

Small intensely fluorescent cells in culture: role of glucocorticoids and growth factors in their development and interconversions with other neural crest derivatives. Doupe AJ, et al. **J Neurosci** 1985 Aug;5(8):2143-60

Environmental influences in the development of neural crest derivatives: glucocorticoids, growth factors, and chromaffin cell plasticity. Doupe AJ, et al. **J Neurosci** 1985 Aug;5(8):2119-42

DRUG EFFECTS

Effects of different fragments of the fibronectin molecule on latex bead translocation along neural crest migratory pathways. Bronner-Fraser M. **Dev Biol** 1985 Mar;108(1):131-45

IMMUNOLOGY

Monoclonal antibodies defining markers with apparent selectivity for particular haemopoietic cell types may also detect antigens on cells of neural crest origin. Kemshead JT, et al. **Hybridoma** 1982;1(2):109-23

A4: an antigenic marker of neural tube-derived cells. Miller RH, et al. **J Neurocytol** 1984 Jun;13(3):329-38

METABOLISM

Production of plasminogen activator by migrating cephalic neural crest cells. Valinsky JE, et al. **EMBO J** 1985 Jun;4(6):1403-6

Renin in cultured cells of neural crest origin (abstract). Okamura T, et al. **Jpn Circ J** 1984 Nov;48(11):1225-7

Fibronectin-regulated methionine enkephalin-like and somatostatin-like immunoreactivity in quail neural crest cell cultures. Sieber-Blum M. **Neuropeptides** 1984 Nov;4(6):457-66

Immunohistochemical evidence for intracellular localization of plasma proteins in CNS and some neural crest derivatives in human embryos. Jacobsen M, et al. **Tumour Biol** 1984;5(1):53-60

PHYSIOLOGY

Developmental anomalies of the lower face and the hyoid cartilage due to partial elimination of the posterior mesencephalic and anterior rhombencephalic neural crest in chick embryos. Been W, et al. **Acta Morphol Neerl Scand** 1984 Dec;22(4):265-78

Adrenergic innervation of the developing chick heart: neural crest ablations to produce sympathetically aneural hearts. Kirby M, et al. **Am J Anat** 1984 Nov;171(3):295-305

Changes in cholinergic parameters associated with failure of conotruncal septation in embryonic chick hearts after neural crest ablation. Kirby ML, et al. **Circ Res** 1985 Mar;56(3):392-401

Cell division in the ciliary ganglion of quail embryos in situ and after back-transplantation into the neural crest migration pathways of chick embryos. Dupin E. **Dev Biol** 1984 Oct;105(2):288-99

Effect of a notochordal implant on the early morphogenesis of the neural tube and neuroblasts: histometrical and histological results. van Straaten HW, et al. **Dev Biol** 1985 Jul;110(1):247-54

The neural crest origin of uveal melanomas. Arnesen K. **Int Ophthalmol** 1985 Mar;7(3-4):143-7

The effects of mesencephalic neural crest cell extirpation on the development of chicken embryos. McKee GJ, et al. **J Anat** 1984 Oct;139 (Pt 3):491-512

How do the migratory and adhesive properties of the neural crest govern ganglia formation in the avian peripheral nervous system? Duband JL, et al. **J Cell Biochem** 1985;27(3):189-203 (58 ref.)

Alterations in neural crest migration by a monoclonal antibody that affects cell adhesion. Bronner-Fraser M. **J Cell Biol** 1985 Aug;101(2):610-7

Neural crest interactions in the development of the immune system. Bockman DE, et al. **J Immunol** 1985 Aug;135(2 Suppl):766s-768s

Dorsal root ganglia development in chicks following partial ablation of the neural crest. Carr VM. **J Neurosci** 1984 Oct;4(10):2434-44

Pathologic features of the CHARGE association: support for involvement of the neural crest. Siebert JR, et al. **Teratology** 1985 Jun;31(3):331-6

[Neural crest cells in the head of mammals] Takakubo F, et al. **Kokubyo Gakkai Zasshi** 1984 Jun;51(2):461 **(Jpn)**

ULTRASTRUCTURE

Translocation of latex beads after laser ablation of the avian neural crest. Coulombe JN, et al. **Dev Biol** 1984 Nov, 106(1):121-34

Morphogenesis of the head of a newt: mesodermal segments, neuromeres, and distribution of neural crest. Jacobson AG, et al. **Dev Biol** 1984 Nov;106(1):181-93

Neurofilament expression in vagal neural crest-derived precursors of enteric neurons. Payette RF, et al. **Dev Biol** 1984 Oct;105(2):273-87

NEURAL INHIBITION

Presynaptic inhibition and histamine in cerebral ganglion of Aplysia. Hinzen DH, et al. **Arzneimittelforsch** 1985;35(1A):292-7

Adaptation of spatial modulation transfer functions via nonlinear lateral inhibition. Pinter RB. **Biol Cybern** 1985;51(5):285-91

Partial inhibitory seizures: a report on two cases. Wang PJ, et al. **Brain Dev** 1984;6(6):553-9

Homotopic callosal inhibition. Cook ND. **Brain Lang** 1984 Sep;23(1):116-25

Inhibitory modulation of cat somatosensory cortex: a pharmacological study. Brailowsky S, et al. **Brain Res** 1984 Nov 26;322(2):310-5

The involvement of serotonin neurones in the inhibition of renal nerve activity during desynchronized sleep. Coote JH, et al. **Brain Res** 1985 Aug 12;340(2):277-84

Differences between strychnine and penicillin epileptogenesis suggest a laminar organization of neocortical inhibition. Ebersole JS, et al. **Brain Res** 1985 Aug 12;340(2):390-6

Inhibitory action of adrenocorticotrophin on rat arcuate neurons in vitro. Herbison AE, et al. **Brain Res** 1985 Feb 18;327(1-2):375-8

Mechanoreceptive submodality channel interactions: single unit analysis of afferent inhibition in the primary somatosensory cortex of the cat. Martin JH, et al. **Brain Res** 1985 Feb 18;327(1-2):279-88

Superfusion of clomipramine within the ventromedial hypothalamus selectively suppresses paradoxical sleep in freely moving rats. Danguir J, et al. **Brain Res Bull** 1985 Jul;15(1):1-4

Nervous control of airway muscle tone. Kirkpatrick CT. **Bull Eur Physiopathol Respir** 1984 Jul-Aug;20(4):389-94 (33 ref.)

Recurrent inhibition in spastic hemiplegia. Chaco J, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec;24(7):571-6

Postictal seizure inhibition in amygdaloid-kindled cats. Sato M, et al. **Epilepsia** 1984 Oct;25(5):545-50

Inhibition of quantal transmitter release by the polycationic ligand cationized ferritin. Publicover SJ. **Exp Brain Res** 1985;59(3):629-32

Inhibitory contours in the inferior colliculus as revealed by the 2-deoxyglucose method. Webster WR, et al. **Exp Brain Res** 1984;56(3):577-81

Mechanism underlying the inhibitory sidebands in the receptive field of simple striate cells of the cat: pure on/off antagonism only or true inhibition? Camarda RS. **Ital J Neurol Sci** 1985 Mar;6(1):57-65

Inhibition of premature ventricular extrastimuli by subthreshold conditioning stimuli. Skale BT, et al. **J Am Coll Cardiol** 1985 Jul;6(1):133-40

Inadequate inhibition of central catecholaminergic neurones--mechanism of human hypertension. Ahuja RC, et al. **J Assoc Physicians India** 1984 Dec;32(12):1027-31

Endogenous opiates mediate cardiac sympathetic inhibition in response to a pressor stimulus in rabbits. Weinstock M, et al. **J Hypertens** 1984 Dec;2(6):639-46

Membrane mechanism of neuroendocrine caudo-dorsal cell inhibition by the ring neuron in the pond snail Lymnaea stagnalis. Jansen RF, et al. **J Neurobiol** 1985 Jan;16(1):15-26

Triple innervation of the crayfish opener muscle: the astacuran common inhibitor. Wiens TJ. **J Neurobiol** 1985 May;16(3):183-91

Specific and nonspecific mechanisms involved in generation of PAD of group Ia afferents in cat spinal cord. Jiménez I, et al. **J Neurophysiol** 1984 Nov;52(5):921-40

Characteristics of corticomotoneuronal postspike facilitation and reciprocal suppression of EMG activity in the monkey. Kasser RJ, et al. **J Neurophysiol** 1985 Apr;53(4):959-78

Use-dependent depression of IPSPs in rat hippocampal pyramidal cells in vitro. McCarren M, et al. **J Neurophysiol** 1985 Feb;53(2):557-71

Rat hippocampal neurons in culture: voltage-clamp analysis of inhibitory synaptic connections. Segal M, et al. **J Neurophysiol** 1984 Sep;52(3):469-87

Excitatory and inhibitory postsynaptic potentials in alpha-motoneurons produced during fictive locomotion by stimulation of the mesencephalic locomotor region. Shefchyk SJ, et al. **J Neurophysiol** 1985 Jun;53(6):1345-55

Inhibition and level-tolerant frequency tuning in the auditory cortex of the mustached bat. Suga N, et al. **J Neurophysiol** 1985 Apr;53(4):1109-45

Recurrent inhibition of cat phrenic motoneurons. Lipski J, et al. **J Neurosci** 1985 Jun;5(6):1545-55

Monosynaptic inhibition of phrenic motoneurons: a long descending projection from Bötzinger neurons. Merrill EG, et al. **J Neurosci** 1984 Sep;4(9):2350-3

Synaptic excitatory and inhibitory interactions at distal dendritic sites on mitral cells in the isolated turtle olfactory bulb. Mori K, et al. **J Neurosci** 1984 Sep;4(9):2291-6

Effect of dopamine system activation on substantia nigra pars reticulata output neurons: variable single-unit responses in normal rats and inhibition in 6-hydroxydopamine-lesioned rats. Waszczak BL, et al. **J Neurosci** 1984 Sep;4(9):2369-75

Uncrossed and crossed inhibition in the inferior colliculus of the cat: a combined 2-deoxyglucose and electrophysiological study. Webster WR, et al. **J Neurosci** 1985 Jul;5(7):1820-32

Inhibition of primate spinothalamic tract cells by TENS. Lee KH, et al. **J Neurosurg** 1985 Feb;62(2):276-87

Characteristics of the vagally driven non-adrenergic, non-cholinergic inhibitory innervation of ferret gastric corpus. Andrews PL, et al. **J Physiol (Lond)** 1985 Jun;363:1-20

Synaptic hyperpolarization and inhibition of turtle cochlear hair cells. Art JJ, et al. **J Physiol (Lond)** 1984 Nov;356:525-50

Efferent desensitization of auditory nerve fibre responses in the cochlea of the turtle Pseudemys scripta elegans. Art JJ, et al. **J Physiol (Lond)** 1984 Nov;356:507-23

Inhibitory post-synaptic currents in rat hippocampal CA1 neurones. Collingridge GL, et al. **J Physiol (Lond)** 1984 Nov;356:551-64

Reciprocal inhibitory interneurones in the Xenopus embryo spinal cord. Dale N. **J Physiol (Lond)** 1985 Jun;363:61-70

Synaptic mechanisms involved in the inspiratory modulation of vagal cardio-inhibitory neurones in the cat. Gilbey MP, et al. **J Physiol (Lond)** 1984 Nov;356:65-78

Sources of input to interneurones mediating group I non-reciprocal inhibition of motoneurones in the cat. Harrison PJ, et al. **J Physiol (Lond)** 1985 Apr;361:379-401

Organization of input to the interneurones mediating group I non-reciprocal inhibition of motoneurones in the cat. Harrison PJ, et al. **J Physiol (Lond)** 1985 Apr;361:403-18

Unitary inhibitory synaptic potentials in the guinea-pig hippocampus in vitro. Miles R, et al. **J Physiol (Lond)** 1984 Nov;356:97-113

Adaptation of receptive field spatial organization via multiplicative lateral inhibition. Pinter RB. **J Theor Biol** 1984 Oct 5;110(3):435-44

Mediation of slow-inhibitory postsynaptic potentials [letter] Libet B. **Nature** 1985 Jan 10-18;313(5998):161-2

Some mechanisms of central inhibition. Kogan AB. **Neurosci Behav Physiol** 1984 Sep-Oct;14(5):362-8

Giant inhibitory miniature currents in crayfish muscle in the presence and absence of extracellular sodium and serotonin. Finger W, et al. **Neurosci Lett** 1984 Sep 28;51(1):127-32

Reciprocal inhibition upon initiation of voluntary movement. Kagamihara Y, et al. **Neurosci Lett** 1985 Mar 22;55(1):23-7

5-Hydroxytryptamine mediates inhibitory postsynaptic potentials in rat dorsal raphe neurons. Yoshimura M, et al. **Neurosci Lett** 1985 Jan 7;53(1):69-74

A positive feedback loop between spinal cord nociceptive pathways and antinociceptive areas of the cat's brain stem. Cervero F, et al. **Pain** 1984 Oct;20(2):125-38

Thermal sensitivity in healthy subjects is decreased by a central mechanism after TNS. Eriksson MB, et al. **Pain** 1985 Jul;22(3):235-42

Thermal inhibition of nociceptor-driven spinal cord neurones in the rat. Kanui TI. **Pain** 1985 Mar;21(3):231-40

Ventrolateral medullary lesions block the antinociceptive and cardiovascular responses elicited by stimulating the dorsal periaqueductal grey matter in rats. Lovick TA. **Pain** 1985 Mar;21(3):241-52

Possible mechanism of adrenergic and nonadrenergic inhibition in intestinal smooth muscle cells. Baidan LV, et al. **Pflugers Arch** 1985 Apr;403(4):429-32

Transitions in the dehydration-induced inhibition of milk intake in suckling rats. Cramer CP, et al. **Physiol Behav** 1984 Apr;32(4):691-4

Dorsal bundle lesions do not affect latent inhibition of conditioned suppression. Tsaltas E, et al. **Psychopharmacology (Berlin)** 1984;84(4):549-55

Age and functions of the transient component of ON and OFF responses in visual processes. Royer FL, et al. **Q J Exp Psychol** [A] 1985 May;37(2):147-70

[Role of inhibitory neurotransmission in certain forms of aggressive behavior] Mandel P, et al. **Bull Acad Natl Med (Paris)** 1984 Jan-Feb;168(1-2):31-9 (Eng. Abstr.) **(Fre)**

[Autonomic nerve innervation of cat pulmonary artery--with special reference to the presence of a non-adrenergic, non-cholinergic inhibitory system] Hamasaki Y, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):59-66 (Eng. Abstr.) **(Jpn)**

[Mechanisms of the inhibitory effect of the stellate ganglion on cardiac activity] Smirnov VM. **Biull Eksp Biol Med**

NEWARK PUBLIC LIBR

1985 Apr;99(4):390-3 (Eng. Abstr.) **(Rus)**

[Local inhibition in the dendrites of the cerebral cortical neurons] Serkov FN, et al. **Dokl Akad Nauk SSSR** 1985; 282(3):750-2 **(Rus)**

[Analysis of lexical and grammatical material during transient inactivation of the left and right hemispheres of the brain] Deglin VL, et al. **Fiziol Cheloveka** 1985 Jan-Feb; 11(1):44-50 **(Rus)**

[Recurrent inhibition in orthodromic stimulation of the motor neurons] Pantseva RE. **Fiziol Cheloveka** 1984 May-Jun; 10(3):385-90 **(Rus)**

[Neuronal reactions of the 1st somatosensory cortex in cats to external and internal inhibition of an instrumental conditioned reflex] Kruchenko ZhA, et al. **Fiziol Zh** 1984 Nov-Dec;30(6):641-9 (Eng. Abstr.) **(Rus)**

[Neuronal mechanisms and the functional importance of inhibition in the auditory cortex neurons] Serkov FN. **Fiziol Zh** 1984 Sep-Oct;30(5):520-6 (Eng. Abstr.) **(Rus)**

[Neurophysiological analysis of internal inhibition] Storozhuk VM. **Fiziol Zh** 1984 Sep-Oct;30(5):527-39 (Eng. Abstr.) **(Rus)**

[Neuronal inhibition reactions of an isolated strip of the associative cerebral cortex in the cat (field 5) to intracortical stimulation] Taranenko VD, et al. **Fiziol Zh** 1984 Sep-Oct;30(5):610-7 (Eng. Abstr.) **(Rus)**

[Analysis of the paradoxical stage of neural cathodal parabiosis (the reciprocal inhibition of adjacent fibers)] Matiushkin DP, et al. **Fiziol Zh SSSR** 1984 Oct; 70(10):1409-15 (Eng. Abstr.) **(Rus)**

[Mechanism of the poststimulation inhibition of the lymphatic center in the frog] Serbeniuk TsV, et al. **Fiziol Zh SSSR** 1984 Sep;70(9):1338-43 (Eng. Abstr.) **(Rus)**

[A new form of caudate inhibition in electrostimulation of the deep structures of the human brain] Smirnov VM, et al. **Fiziol Zh SSSR** 1984 Jul;70(7):938-43 (Eng. Abstr.) **(Rus)**

[Effect of resection and dissection of the distal portion of the small intestine on the adrenergic inhibition of gastric secretion] Trefilov AB. **Fiziol Zh SSSR** 1985 Feb; 71(2):221-5 (Eng. Abstr.) **(Rus)**

[Non-synaptic inhibition in the cortex of the cat] Roitbak AI, et al. **Zh Vyssh Nerv Deiat** 1985 Jan-Feb;35(1):10-6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Selective depression of hippocampal inhibitory postsynaptic potentials and spontaneous firing by volatile anesthetics. Yoshimura M, et al. **Brain Res** 1985 Aug 12;340(2):363-8

Neuroinhibitory effects of SK&F 85174, a novel dopamine receptor agonist. Blumberg AL, et al. **J Cardiovasc Pharmacol** 1985 Jul-Aug;7(4):723-32

Motor nerve terminal outgrowth and acetylcholine receptors: inhibition of terminal outgrowth by alpha-bungarotoxin and anti-acetylcholine receptor antibody. Pestronk A, et al. **J Neurosci** 1985 Mar;5(3):751-8

Evidence for gamma-aminobutyric acid mediation of the sympathetic nerve inhibitory response to vagal afferent stimulation. Humphrey SJ, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):288-97

Strychnine blocks transient but not sustained inhibition in mudpuppy retinal ganglion cells. Belgum JH, et al. **J Physiol (Lond)** 1984 Sep;354:273-86

The role of gamma-aminobutyric acid mediated inhibition in the response properties of cat lateral geniculate nucleus neurones. Berardi N, et al. **J Physiol (Lond)** 1984 Dec; 357:505-23

Development of gamma-aminobutyric acid mediated inhibition of X cells of the cat lateral geniculate nucleus. Berardi N, et al. **J Physiol (Lond)** 1984 Dec;357:525-37

Modulation of the histaminergic inhibitory synaptic potential in the Onchidium neuron by cyclic nucleotides. Gotow T. **Jpn J Physiol** 1984;34(6):1135-9

Beta-adrenergic blockade may prolong life in post-infarction patients in part by increasing vagal cardiac inhibition. Eckberg DL. **Med Hypotheses** 1984 Dec;15(4):421-32 (59 ref.)

Trimethyltin reduces recurrent inhibition in rats. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1984 Sep-Oct;6(5):367-71

Bicuculline and spinal inhibition produced by dorsal column stimulation in the cat. Duggan AW, et al. **Pain** 1985 Jul; 22(3):249-59

[Pre-synaptic inhibition and pentobarbital] Ohmura Y. **Masui** 1985 Jan;34(1):2-8 (36 ref.) **(Jpn)**

[Electrical activity of the paraventricular hypothalamic nucleus during excitation and inhibition of the hypophyseal-adrenal cortex system] Filaretov AA, et al. **Dokl Akad Nauk SSSR** 1985 Mar-Apr;281(1):230-2 **(Rus)**

NEURAL PATHWAYS

Atypical conduction aphasia. A disconnection syndrome. Mendez MF, et al. **Arch Neurol** 1985 Sep;42(9):886-91

Identification of spinal cord pathways responsible for the peroneal-evoked response in the dog. Gaines R, et al. **Spine** 1984 Nov-Dec;9(8):810-4

ANATOMY & HISTOLOGY

The nerve loops crossing below the subclavian artery and their anatomical variations. Caliot P, et al. **Anat Clin** 1984; 6(3):209-13

Demonstration of hypothalamo-cerebellar and cerebello-hypothalamic fibres in a prosimian primate (Galago crassicaudatus). Dietrichs E, et al. **Anat Embryol (Berl)** 1984;170(3):313-8

Anatomical evidence that neural circuits related to the subfornical organ contain angiotensin II. Lind RW, et al. **Brain Res Bull** 1985 Jul;15(1):79-82

Peptidergic pathways in the avian brain. Blähser S. **J Exp Zool** 1984 Dec;232(3):397-403 (23 ref.)

Further studies on the use of the fluorescent retrograde tracer True Blue in combination with monoamine histochemistry. Skagerberg G, et al. **J Neurosci Methods** 1985 Jun; 14(1):25-40

The connections between the basolateral and central amygdaloid nuclei. Smith BS, et al. **Neurosci Lett** 1985 May 23;56(3):307-9

Neural pathways mediating the corneal blink reflex and Bell's phenomenon in the cat. Ogasawara K. **Neurosci Res** 1985 Jun;2(5):309-20

CYTOLOGY

[Morphometric study of the dorsal lateral geniculo-cortical neurons of Sigmodon hispidus in Nissl preparations] Werner L, et al. **Z Mikrosk Anat Forsch** 1984;98(5):673-84 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Conditioned cortical slow potential responses in urethane anesthetized rats. Pirch JH, et al. **Int J Neurosci** 1985 Jan; 25(3-4):207-18

Conditioning-related single unit activity in the frontal cortex of urethane anesthetized rats. Pirch JH, et al. **Int J Neurosci** 1985 Jan;25(3-4):263-71

Effects of concomitant pentazocine and tripelennamine on brain-stimulation reward. Unterwald EM, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):961-4

EMBRYOLOGY

Early development of descending pathways from the brain stem to the spinal cord in Xenopus laevis. van Mier P, et al. **Anat Embryol (Berl)** 1984;170(3):295-306

GROWTH & DEVELOPMENT

Self-organizing mechanism for the formation of ordered neural mappings. Erdi P, et al. **Biol Cybern** 1984; 51(2):93-101

Formation of neuronal pathways in the imaginal discs of Drosophila melanogaster. Jan YN, et al. **J Neurosci** 1985 Sep;5(9):2453-64

METABOLISM

Forebrain origins and terminations of the medial forebrain bundle metabolically activated by rewarding stimulation or by reward-blocking doses of pimozide. Gallistel CR, et al. **J Neurosci** 1985 May;5(5):1246-61

PHYSIOLOGY

The participation of serotoninergic system in the regulation of emotional-defensive behavior evoked by intrahypothalamic carbachol injections in the cat. Golebiewski H, et al. **Acta Neurobiol Exp (Warsz)** 1985; 45(1-2):25-36

Alleviation of response suppression to conditioned aversive stimuli by lesions of the dorsal noradrenergic bundle. Tsaltas E, et al. **Behav Brain Res** 1984 Aug;13(2):115-27

The temporal structure of motivation. V. A within-episodes analysis of priming and provocation. Wagner JA, et al. **Behav Neural Biol** 1984 Jul;41(2):217-22

The temporal structure of reinforcement: VI. Local determinants of response topography as determined by analysis of interresponse times. Katz RJ, et al. **Behav Neurosci** 1984 Dec;98(6):986-1003

Evaluation of neuronal connectivity: sensitivity of cross-correlation. Aertsen AM, et al. **Brain Res** 1985 Aug 12;340(2):341-54

Electrophysiological analysis of the tecto-olivocerebellar (lobule VII) projection in the rat. Akaike T. **Brain Res** 1985 Aug 12;340(2):369-72

Functional and morphological features of neurons in the midline region of the caudal spinal cord of the cat. Honda CN, et al. **Brain Res** 1985 Aug 12;340(2):285-95

The effects of feeding and rewarding brain stimulation on lateral hypothalamic unit activity in freely moving rats. Sasaki K, et al. **Brain Res** 1984 Nov 26;322(2):201-11

Cholinergic involvement in lateral hypothalamic rewarding brain stimulation. Yeomans JS, et al. **Brain Res** 1985 Mar 11;329(1-2):19-26

Electrochemical, pharmacological and electrophysiological evidence of rapid dopamine release and removal in the rat caudate nucleus following electrical stimulation of the median forebrain bundle. Millar J, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):341-8

Neural pathways mediating adrenocortical responses. Feldman S. **Fed Proc** 1985 Jan;44(1 Pt 2):169-75

Changes in neuronal circuits during insect metamorphosis. Levine RB. **J Exp Biol** 1984 Sep;112:27-44 (52 ref.)

Functional roles and circuitry in an inhibitory pathway to feeding command neurones in Pleurobranchaea. London JA, et al. **J Exp Biol** 1984 Nov;113:423-46

Roles for electrical coupling in neural circuits as revealed by selective neuronal deletions. Marder E. **J Exp Biol** 1984 Sep;112:147-67 (47 ref.)

Selective neurotoxic lesions of descending serotonergic and noradrenergic pathways in the rat. Berge OG, et al. **J Neurochem** 1985 Apr;44(4):1156-61

Inhibition in corticotrophin and corticosterone secretion following photic stimulation in rats with 6-hydroxydopamine injection into the medial forebrain bundle. Feldman S, et al. **J Neurosci Res** 1984;12(1):87-92

Unilateral lesion of the intrinsic cells in the medial forebrain bundle depresses self-stimulation but not stimulus-bound locomotor activity. Velley L. **Neurosci Lett** 1985 Jun 12; 57(2):199-204

Electrical self-stimulation deficits in the anterior and posterior parts of the medial forebrain bundle after ibotenic acid lesion of the middle lateral hypothalamus. Lestang I, et al. **Neuroscience** 1985 Jun;15(2):379-88

Axonal projections and peptide content of steroid hormone concentrating neurons. Morrell JI, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:227-39 (78 ref.)

Circling behaviour induced by electrical stimulation of the medial forebrain bundle, importance of stimulus parameters and dopaminergic processes. van der Heyden JA. **Pharmacol Biochem Behav** 1984 Oct;21(4):567-74

Lateralized rewarding brain stimulation affects forepaw preference in rats. Hernandez-Mesa N, et al. **Physiol Behav** 1985 Apr;34(4):495-9

Different roles of catecholaminergic and serotoninergic neurons of the medial forebrain bundle on male rat sexual behavior. Rodriguez M, et al. **Physiol Behav** 1984 Jul; 33(1):5-11

Subject control as a determinant of the reinforcing properties of intracranial stimulation. Tsang WK, et al. **Physiol Behav** 1984 May;32(5):795-802

Hypothalamic reward mechanism: two first-stage fiber populations with a cholinergic component. Gratton A, et al. **Science** 1985 Feb 1;227(4686):545-8

PHYSIOPATHOLOGY

Influence of neural pathways on the pyrexial response to surgical trauma. Kirkeby OJ, et al. **Acta Chir Scand** 1985; 151(1):7-9

The relationship of hyperactivity of the duodenal autonomic nervous brain and enhanced 'pancreon' secretory response to CCK-PZ in chronic alcoholism. Tiscornia OM, et al. **Mt Sinai J Med (NY)** 1984 Dec;51(6):650-63

NEURAL TRANSMISSION

Percentage of projection neurons and various types of interneurons in the human claustrum. Spahn B, et al. **Acta Anat (Basel)** 1985;122(4):245-8

Regulation of serotonin neurotransmission by antidepressant drugs and electroconvulsive shock: the fall and rise of serotonin receptors. Kellar KJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1985;56 Suppl 1:138-45

The quantal nature of transmission and spontaneous potentials at the Torpedo electromotor junction. Erdélyi L. **Acta Physiol Hung** 1985;65(1):81-93

Characterization of pre- and post-junctional adenosine receptors in guinea-pig ileum. Gustafsson LE, et al. **Acta Physiol Scand** 1985 Feb;123(2):195-203

On long-lasting potentiation in the hippocampus: a proposed mechanism for its dependence on coincident pre- and postsynaptic activity. Wigström H, et al. **Acta Physiol Scand** 1985 Apr;123(4):519-22

Catecholamine and opioid receptors, presynaptic inhibition of CNS neurotransmitter release, and adenylate cyclase. Mulder AH, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1985; 19:273-86

Adenosine, adenylate cyclase, and transmitter release. Phillis JW, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1985; 19:243-57 (81 ref.)

Enhanced [3H]-noradrenaline release in synaptosomes from ethanol-tolerant animals: the role of nerve terminal calcium ion concentrations. Lynch MA, et al. **Alcohol Alcohol** 1985; 20(1):5-11

Retinofugal projections of the big brown bat, Eptesicus fuscus and the neotropical fruit bat, Artibeus jamaicensis. Cotter JR. **Am J Anat** 1985 Feb;172(2):105-24

Cardiovascular neurons of brain stem with projections to spinal cord. Brown DL, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R1009-16

Subfornical organ stimulation excites paraventricular neurons projecting to dorsal medulla. Ferguson AV, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R1088-92

The neuromuscular transmission monitor. A clinical assessment and comparison with a force transducer. Windsor JP, et al. **Anaesthesia** 1985 Feb;40(2):146-51

Calmodulin systems in neuronal excitability: a molecular approach to epilepsy. DeLorenzo RJ. **Ann Neurol** 1984;16 Suppl:S104-14

The synaptic nature of the paroxysmal depolarizing shift in hippocampal neurons. Johnston D, et al. **Ann Neurol** 1984; 16 Suppl:S65-71

Mechanisms of epileptogenesis in cortical structures. Prince DA, et al. **Ann Neurol** 1984;16 Suppl:S59-64

GABA-related phenomena, models of nervous system function, and seizures. Roberts E. **Ann Neurol** 1984;16

Suppl:S77-89

The cholinergic hypothesis: a historical overview, current perspective, and future directions. Bartus RT, et al. **Ann NY Acad Sci** 1985;444:332-58

Neuropeptide function: the invertebrate contribution. O'Shea M, et al. **Annu Rev Neurosci** 1985;8:171-98 (104 ref.)

Adenosine as a neuromodulator. Snyder SH. **Annu Rev Neurosci** 1985;8:103-24 (83 ref.)

Experimental studies on different thresholds for epileptiform activity. Yamauchi T, et al. **Arch Ital Biol** 1984 Dec; 122(4):281-300

Effect of short-term intraocular pressure increase on cat retinal ganglion cell activity. Grehn F, et al. **Behav Brain Res** 1984 Nov;14(2):109-21

Presynaptic heteroreceptors in regulation of neuronal transmission. Laduron PM. **Biochem Pharmacol** 1985 Feb 15;34(4):467-70 (44 ref.)

Abnormal discharges and chaos in a neuronal model system. Chay TR. **Biol Cybern** 1984;50(4):301-11

Information transmission by isolated frog muscle spindle. Eckhorn R, et al. **Biol Cybern** 1985;52(3):165-76 (84 ref.)

The neurochrome. An identity preserving representation of activity patterns from neural populations. Epping W, et al. **Biol Cybern** 1984;50(4):235-40

Identification and estimation algorithm for stochastic neural system. Nakao M, et al. **Biol Cybern** 1984;50(4):241-9

Amplitude and phase relations of electrocortical waves regulated by transhypothalamic dopaminergic neurones: a test for a linear theory. Wright JJ, et al. **Biol Cybern** 1984; 50(4):273-83

Some normal and abnormal behavioral syndromes due to transmitter gating of opponent processes. Grossberg S. **Biol Psychiatry** 1984 Jul;19(7):1075-118

The pathophysiology of acute experimental allergic encephalomyelitis in the rabbit. Pender MP, et al. **Brain** 1984 Sep;107 (Pt 3):699-726

Hypothalamo-cerebellar and cerebello-hypothalamic pathways: a review and hypothesis concerning cerebellar circuits which may influence autonomic centers affective behavior. Haines DE, et al. **Brain Behav Evol** 1984; 24(4):198-220

Testing a theory of brain function by computer methods. IV. Comparing spatial and temporal order in the two cerebral hemispheres. Riss W. **Brain Behav Evol** 1984; 24(4):177-83

Mode of synaptic transmission between vestibular afferents and neurons of the vestibular nucleus in the frog. Babalian AL, et al. **Brain Res** 1984 Aug 20;309(1):163-7

Trans-synaptic increase in RNA coding for tyrosine hydroxylase in a rat sympathetic ganglion. Black IB, et al. **Brain Res** 1985 Jul 22;339(1):151-3

Noradrenergic inhibitors cause accumulation of nuclear progestin receptors in guinea pig hypothalamus. Blaustein JD. **Brain Res** 1985 Jan 28;325(1-2):89-98

Effects of inhibitors of Na+,K+-ATPase on the membrane potentials and neurotransmitter efflux in rat brain slices. Brosemer RW. **Brain Res** 1985 May 13;334(1):125-37

pH dependence of transmission at electrotonic synapses of the crayfish septate axon. Campos de Carvalho A, et al. **Brain Res** 1984 Nov 12;321(2):279-86

Long-term potentiation in the hippocampus involves activation of N-methyl-D-aspartate receptors. Harris EW, et al. **Brain Res** 1984 Dec 3;323(1):132-7

Projections from the functional subdivisions of the frontal eye field to the superior colliculus in the monkey. Komatsu H, et al. **Brain Res** 1985 Feb 18;327(1-2):324-7

Electrophysiological studies of a rostral projection from the nucleus raphe magnus to the hypothalamus in the rat and cat. Lumb BM, et al. **Brain Res** 1985 Feb 18;327(1-2):336-9

Projection of phrenic afferents to the external cuneate nucleus in the cat. Marlot D, et al. **Brain Res** 1985 Feb 18;327(1-2):328-30

Growth of central substance P-containing neurons into superior cervical ganglia transplanted in the spinal cord of adult rats. Mitta M, et al. **Brain Res** 1984 Dec 17; 324(1):134-7

Synaptic long-term enhancement (LTE) induced by a heterosynaptic neural input. Mochida S, et al. **Brain Res** 1985 Mar 11;329(1-2):360-3

Developmental changes in the passive membrane properties of an identified molluscan neuron. Pawson PA, et al. **Brain Res** 1985 Jan;349(1-2):296-300

Posttetanic potentiation in strong and weak neuromuscular junctions: physiological differences caused by a differential Ca2+-influx. Pawson PA, et al. **Brain Res** 1984 Dec 10; 323(2):311-5

Vasopressin-mediated slow EPSPs in a mammalian sympathetic ganglion. Peters S, et al. **Brain Res** 1985 Jul 22;339(1):126-9

Postsynaptic firing during repetitive stimulation is required for long-term potentiation in hippocampus. Scharfman HE, et al. **Brain Res** 1985 Apr 8;331(2):267-74

The relationship between cross-correlation measures and underlying synaptic events. Surmeier DJ, et al. **Brain Res** 1985 Apr 1;331(1):180-4

Rapid swelling of neurons during synaptic transmission in the bullfrog sympathetic ganglion. Tasaki I, et al. **Brain Res** 1985 Apr 8;331(2):363-5

Electrophysiological study of the corticonuclear projection in the cat cerebellum. Yu QX, et al. **Brain Res** 1985 Feb 18;327(1-2):121-34

Ultrastructural morphology of dopaminergic nerve terminals and synapses in the striatum of the rat using tyrosine hydroxylase immunocytochemistry: a topographical study. Arluison M, et al. **Brain Res Bull** 1984 Aug;13(2):269-85

Extranuclear axon collaterals of paraventricular neurons in the rat hypothalamus: intracellular staining, immunocytochemistry and electrophysiology. Hatton GI, et al. **Brain Res Bull** 1985 Feb;14(2):123-32

Nervous control of airway muscle tone. Kirkpatrick CT. **Bull Eur Physiopathol Respir** 1984 Jul-Aug;20(4):389-94 (33 ref.)

Activity-dependent presynaptic facilitation: an associative mechanism in Aplysia. Abrams TW. **Cell Mol Neurobiol** 1985 Jun;5(1-2):123-45 (69 ref.)

Vascular headaches and cerebral circulation: an overview. Agnoli A, et al. **Cephalalgia** 1985 May;5 Suppl 2:9-15 (67 ref.)

Neurogenic control of cerebral circulation. Burnstock G. **Cephalalgia** 1985 May;5 Suppl 2:25-33 (84 ref.)

Local regulation of transmitter release in the basal ganglia. **Ciba Found Symp** 1984;107:258-68

Extracellular matrix components involved in neuromuscular transmission and regeneration. Anglister L, et al. **Ciba Found Symp** 1984;108:163-78

Basal ganglia and Parkinson's disease: neurobiological and pharmacological aspects in animals and man. Cools AR. **Clin Neurol Neurosurg** 1984;86(3):178-95

Spinal pharmacology of pain and its modulation. Yaksh TL. **Clin Neurosurg** 1983;31:291-303

Evidence for the involvement of alpha 1-adrenoceptors in negative feedback regulation of noradrenergic transmitter release in rat atria. Story DF, et al. **Clin Sci** 1985;68 Suppl 10:111s-115s

Electrophysiological aspects of synaptic transmission at the electromotor junction of Torpedo marmorata. Erdelyi L, et al. **Comp Biochem Physiol [A]** 1984;79(4):505-11

Development of the major pathways for neurite outgrowth in the chick hindlimb. Tosney KW, et al. **Dev Biol** 1985 May;109(1):193-214

The advantages of an inverted retina. A physiological approach to a teleological question. Wirth A, et al. **Dev Ophthalmol** 1984;9:20-8

Effects on median nerve SEPs of tactile stimulation applied to adjacent and remote areas of the body surface. Kakigi R, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul; 62(4):252-65

Mathematical analysis of the changes in the action potential and ionic currents of frog muscle fibres at different temperatures. Stephanova DI. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec; 24(7):599-610

The influence of vitamin B6 deficiency on somatosensory stimulus conduction in the rat. Claus D, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(2):102-5

The neuromuscular junction: recent developments. Bowman WC. **Eur J Anaesthesiol** 1985 Mar;2(1):59-93 (139 ref.)

Feature extraction and tonotopic organization in the avian auditory forebrain. Müller CM, et al. **Exp Brain Res** 1985; 59(3):587-99

The significance of nucleus raphe dorsalis and centralis for thermoafferent signal transmission to the preoptic area of the rat. Werner J, et al. **Exp Brain Res** 1985;59(3):543-7

Topographic organization of fimbria-fornix fibers projecting to the lateral septum of rats: a single and field response analysis. Joëls M, et al. **Exp Neurol** 1985 Mar;87(3):474-86

Excitatory projections from hypothalamic and midbrain defense regions to nucleus paragigantocellularis lateralis in the rat. Li P, et al. **Exp Neurol** 1985 Sep;89(3):543-53

Estradiol increases choline acetyltransferase activity in specific basal forebrain nuclei and projection areas of female rats. Luine VN. **Exp Neurol** 1985 Aug;89(2):484-90

Suppression of amygdala-kindled seizure in cats by enhanced GABAergic transmission in the substantia innominata. Morita K, et al. **Exp Neurol** 1985 Jul;89(1):225-36

Chemical synaptic transmission is not necessary for epileptic seizures to persist in the baboon Papio papio. Pumain R, et al. **Exp Neurol** 1985 Jul;89(1):250-8

Neuromuscular transmission in arterioles. Hirst GD, et al. **Experientia** 1985 Jul 15;41(7):874-9

Neuroeffector transmission of the hepatic and pancreatico-duodenal isolated arteries of the dog. Varga G, et al. **Gastroenterology** 1984 Nov;87(5):1056-63

Dynamic aspects of guinea pig inner hair cell receptor potentials with transient asphyxia. Nuttall AL. **Hear Res** 1984 Oct;16(1):1-16

Neurochemical psychiatry as a source of hypotheses concerning the role of homeostatic mechanisms in brain function. Richardson JS. **Int J Neurosci** 1984 Nov; 24(3-4):197-202

Multiple synaptic receptors for neuroactive amino acid transmitters--new vistas. Sharif NA. **Int Rev Neurobiol** 1985;26:85-150 (312 ref.)

Effects of a compressive nonlinearity in a cochlear model. Geisler CD. **J Acoust Soc Am** 1985 Jul;78(1 Pt 1):257-60

Group delay measurement from spiral ganglion cells in the basal turn of the guinea pig cochlea. Gummer AW, et al. **J Acoust Soc Am** 1984 Nov;76(5):1388-400

On the extraction of the signal-excitation function from a non-Poisson cochlear neural spike train. Jones K, et al. **J Acoust Soc Am** 1985 Jul;78(1 Pt 1):90-4

Use of brain slices in the study of the auditory system: spatial and temporal summation of synaptic inputs in cells in the anteroventral cochlear nucleus of the mouse. Oertel D. **J Acoust Soc Am** 1985 Jul;78(1 Pt 2):328-33

The use of intracellular techniques in the study of the cochlear nucleus. Rhode WS. **J Acoust Soc Am** 1985 Jul; 78(1 Pt 2):320-7

Acoustic injury and the physiology of hearing. Schmiedt RA. **J Acoust Soc Am** 1984 Nov;76(5):1293-317 (199 ref.)

Biochemical and immunochemical approaches to the study of the auditory system. Wenthold RJ. **J Acoust Soc Am** 1985 Jul;78(1 Pt 2):334-9

Dopamine in manic depressive illness. A pharmacological synthesis. Silverstone T. **J Affective Disord** 1985 May-Jun; 8(3):225-31

Endogenous opioids: physiologic and pathophysiologic actions. Faden AI. **J Am Osteopath Assoc** 1984 Sep;84(1 Suppl):129-34

Local vagal responses in the lung periphery. Gertner A, et al. **J Appl Physiol** 1984 Oct;57(4):1079-88

Sensation of respiratory force following low cervical spinal cord transection. Gottfried SB, et al. **J Appl Physiol** 1984 Oct;57(4):989-94

ECoG and breathing activity in fetal lambs after undercut of cerebral cortex. Ioffe S, et al. **J Appl Physiol** 1984 Oct; 57(4):1195-201

Effect of carbon dioxide on the activity of slowly and rapidly adapting pulmonary stretch receptors in cats. Ravi K. **J Auton Nerv Syst** 1985 Feb-Mar;12(2-3):267-77

Projection of the hepatic branch of the splanchnic nerve to the brainstem of the rat. Rogers RC, et al. **J Auton Nerv Syst** 1984 Sep;11(2):223-5

Projections from C2 and C3 nerves supplying muscles and skin of the cat neck: a study using transganglionic transport of horseradish peroxidase. Abrahams VC, et al. **J Comp Neurol** 1984 Nov 20;230(1):142-54

Functional organization in cortical barrels of normal and vibrissae-damaged mice: a (3H) 2-deoxyglucose study. Durham D, et al. **J Comp Neurol** 1985 May 1;235(1):97-110

Cortical projections to the superior colliculus in the macaque monkey: a retrograde study using horseradish peroxidase. Fries W. **J Comp Neurol** 1984 Nov 20;230(1):55-76

Fine structure of histaminergic neurons in the caudal magnocellular nucleus of the rat as demonstrated by immunocytochemistry using histidine decarboxylase as a marker. Hayashi H, et al. **J Comp Neurol** 1984 Oct 20; 229(2):233-41

The mormyrid mesencephalon. III. Retinal projections in a weakly electric fish, Gnathonemus petersii. Lázár G, et al. **J Comp Neurol** 1984 Nov 20;230(1):1-12

Nonintralaminar thalamostriatal projections in the gray squirrel (Sciurus carolinensis) and tree shrew (Tupaia glis). Lin CS, et al. **J Comp Neurol** 1984 Nov 20;230(1):33-46

The central projection of muscle afferent fibres to the lower medulla and upper spinal cord: an anatomical study in the cat with the transganglionic transport method. Nyberg G, et al. **J Comp Neurol** 1984 Nov 20;230(1):99-109

The trajectory of mitral cell axons in the rabbit olfactory cortex revealed by intracellular HRP injection. Ojima H, et al. **J Comp Neurol** 1984 Nov 20;230(1):77-87

Efferent projections of the neonatal cat superior colliculus: facial and cerebellum-related brainstem structures. Stein BE, et al. **J Comp Neurol** 1984 Nov 20;230(1):47-54

Norepinephrine as a possible transmitter involved in synaptic transmission in frog taste organs and Ca dependence of its release. Nagahama S, et al. **J Gen Physiol** 1985 Mar; 85(3):431-42

Application of transretinal current stimulation for the study of bipolar-amacrine transmission. Toyoda J, et al. **J Gen Physiol** 1984 Dec;84(6):915-25

Quantitative and morphological studies on the plasticity of mixed synapses as exemplified by clear, spherical vesicles. Saballus R, et al. **J Hirnforsch** 1984;25(6):593-601

Primary projections of the trigeminal nerve in two species of sturgeon: Acipenser oxyrhynchus and Scaphirhynchus platorynchus. New JG, et al. **J Morphol** 1984 Nov; 182(2):125-36

Long-term facilitation and long-term adaptation at synapses of a crayfish phasic motoneuron. Lnenicka GA, et al. **J Neurobiol** 1985 Mar;16(2):97-110

Quantification of ultrastructural symmetry at molluscan chemical synapses. McCarrager G, et al. **J Neurobiol** 1985 Jan;16(1):69-74

Glutamatergic central nervous transmission in locusts. Sombati S, et al. **J Neurobiol** 1984 Nov 15(6):507-16

Innervation pattern and electric organ discharge waveform in Gymnotus carapo (Teleostei; Gymnotiformes). Trujillo-Cenóz O, et al. **J Neurobiol** 1984 Jul;15(4):273-81

An ultrastructural comparison of neuromuscular relationships in blood vessels with functional and 'non-functional' neuromuscular transmission. Cowen T. **J Neurocytol** 1984 Jun;13(3):369-92

Neurogenetic analysis of potassium currents in Drosophila: synergistic effects on neuromuscular transmission in double mutants. Ganetzky B, et al. **J Neurogenet** 1983 Sep; 1(1):17-28

Neuromonitoring. Hacke W. **J Neurol** 1985;232(3):125-33

The effects of reflex path length on clonus frequency in spastic muscles. Iansek R. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1122-4

A note on the mechanism of resistance to anoxia and ischaemia in pathophysiological mammalian myelinated nerve. Ritchie JM. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):274-7

Presynaptic function modified by acetylcholine-receptor interaction in experimental autoimmune myasthenia gravis. Takamori M, et al. **J Neurol Sci** 1984 Nov-Dec; 66(2-3):245-53

Characteristics of a slow hyperpolarizing synaptic potential in rat hippocampal pyramidal cells in vitro. Alger BE. **J Neurophysiol** 1984 Nov;52(5):892-910

Physiology of a bidirectional, excitatory, chemical synapse. Anderson PA. **J Neurophysiol** 1985 Mar;53(3):821-35

Axonal projection patterns of ventrolateral medullospinal sympathoexcitatory neurons. Barman SM, et al. **J Neurophysiol** 1985 Jun;53(6):1551-66

Roles of aspartate and glutamate in synaptic transmission in rabbit retina. II. Inner plexiform layer. Bloomfield SA, et al. **J Neurophysiol** 1985 Mar;53(3):714-25

Roles of aspartate and glutamate in synaptic transmission in rabbit retina. I. Outer plexiform layer. Bloomfield SA, et al. **J Neurophysiol** 1985 Mar;53(3):699-713

Stability of new electrical connections between adult Helisoma neurons is influenced by preexisting neuronal interactions. Bulloch AG, et al. **J Neurophysiol** 1984 Dec; 52(6):1094-105

Monosynaptic and oligosynaptic contributions to human ankle jerk and H-reflex. Burke D, et al. **J Neurophysiol** 1984 Sep;52(3):435-48

Axonal projections of single bulbospinal inspiratory neurons revealed by spike-triggered averaging and antidromic activation. Dick TE, et al. **J Neurophysiol** 1985 Jun; 53(6):1590-603

Functional role of GABA in cat primary somatosensory cortex: shaping receptive fields of cortical neurons. Dykes RW, et al. **J Neurophysiol** 1984 Dec;52(6):1066-93

A comparison between Y-cells in A-laminae and lamina C of cat dorsal lateral geniculate nucleus. Frascella J, et al. **J Neurophysiol** 1984 Nov;52(5):911-20

Cat medial interlaminar nucleus: retinotopy, relation to tapetum and implications for scotopic vision. Lee C, et al. **J Neurophysiol** 1984 Nov;52(5):848-69

Features of laminar and somatotopic organization of lumbar spinal cord units receiving cutaneous inputs from hindlimb receptive fields. Light AR, et al. **J Neurophysiol** 1984 Sep; 52(3):449-58

Histaminergic synaptic transmission in the cerebral ganglion of Aplysia. McCaman RE, et al. **J Neurophysiol** 1985 Apr; 53(4):1016-37

Use-dependent depression of IPSPs in rat hippocampal pyramidal cells in vitro. McCarren M, et al. **J Neurophysiol** 1985 Feb;53(2):557-71

Role of corpus callosum in functional organization of cat striate cortex. Payne BR, et al. **J Neurophysiol** 1984 Sep; 52(3):570-94

Signal transmission in the catfish retina. I. Transmission in the outer retina. Sakuranaga M, et al. **J Neurophysiol** 1985 Feb;53(2):373-89

Signal transmission in the catfish retina. II. Transmission to type-N cell. Sakuranaga M, et al. **J Neurophysiol** 1985 Feb; 53(2):390-410

Signal transmission in the catfish retina. III. Transmission to type-C cell. Sakuranaga M, et al. **J Neurophysiol** 1985 Feb;53(2):411-28

Apparent movement of optic terminals out of a local postsynaptically blocked region in goldfish optic tectum. Schmidt JT. **J Neurophysiol** 1985 Jan;53(1):237-51

Correlation of presynaptic and postsynaptic events during establishment of long-term facilitation at crayfish neuromuscular junction. Wojtowicz JM, et al. **J Neurophysiol** 1985 Aug;54(2):220-30

Response properties and functional organization of neurons in midline region of medullary reticular formation of cats. Yen CT, et al. **J Neurophysiol** 1984 Nov;52(5):961-79

Recovery of the ipsilateral oculotectal projection following nerve crush in the frog: evidence that retinal afferents make synapses at abnormal tectal locations. Adamson J, et al. **J Neurosci** 1984 Oct;4(10):2635-49

Development of the topographical projection of motor neurons to a rat muscle accompanies loss of polyneuronal innervation. Bennett MR, et al. **J Neurosci** 1984 Sep; 4(9):2204-12

Physiological and morphological analysis of synaptic transmission between leech motor neurons. Granzow B, et al. **J Neurosci** 1985 Aug;5(8):2035-50

Development of the ipsilateral retinothalamic projection in the frog Xenopus laevis. I. Retinal distribution of ipsilaterally projecting cells in normal and experimentally manipulated frogs. Hoskins SG, et al. **J Neurosci** 1985 Apr; 5(4):911-9

Development of the ipsilateral retinothalamic projection in the frog Xenopus laevis. III. The role of thyroxine. Hoskins SG, et al. **J Neurosci** 1985 Apr;5(4):930-40

Development of the ipsilateral retinothalamic projection in the frog Xenopus laevis. II. Ingrowth of optic nerve fibers and production of ipsilaterally projecting retinal ganglion cells. Hoskins SG, et al. **J Neurosci** 1985 Apr;5(4):920-9

The postnatal reduction of the uncrossed projection from the nasal retina in the cat. Jacobs DS, et al. **J Neurosci** 1984 Oct;4(10):2425-33

Synaptic transmission between dorsal root ganglion and dorsal horn neurons in culture: antagonism of monosynaptic excitatory postsynaptic potentials and glutamate excitation by kynurenate. Jahr CE, et al. **J Neurosci** 1985 Aug; 5(8):2281-9

Retinal projections and functional architecture of cortical areas 17 and 18 in the tyrosinase-negative albino cat. Leventhal AG, et al. **J Neurosci** 1985 Mar;5(3):795-807

Nonsynaptic characteristics of neurotransmission mediated by egg-laying hormone in the abdominal ganglion of Aplysia. Mayeri E, et al. **J Neurosci** 1985 Aug;5(8):2060-77

Monosynaptic inhibition of phrenic motoneurons: a long descending projection from Bötzinger neurons. Merrill EG, et al. **J Neurosci** 1984 Sep;4(9):2350-3

The postnatal development of the association projection from visual cortical area 17 to area 18 in the cat. Price DJ, et al. **J Neurosci** 1985 Sep;5(9):2443-52

Longitudinal topography and interdigitation of corticostriatal projections in the rhesus monkey. Selemon LD, et al. **J Neurosci** 1985 Mar;5(3):776-94

The ultrastructural basis for synaptic transmission between primary muscle afferents and neurons in Clarke's column of the cat. Walmsley B, et al. **J Neurosci** 1985 Aug; 5(8):2095-106

Some neurobiological applications of the BBC Model B microcomputer and Unilab 8-bit interface. Cottrell GA, et al. **J Neurosci Methods** 1985 Mar;13(1):9-18

Detection of synchrony in the discharge of a population of neurons. I. Development of a synchronization index. Hamm TM, et al. **J Neurosci Methods** 1985 Mar;13(1):37-50

The measurement of changes in intracellular free calcium during action potentials in mammalian neurones. McBurney RN, et al. **J Neurosci Methods** 1985 Mar;13(1):65-76

A computerized system for the detection and analysis of spontaneously occurring synaptic potentials. Morales FR, et al. **J Neurosci Methods** 1985 Mar;13(1):19-35

Detection of synchrony in the discharge of a population of neurons. II. Implementation and sensitivity of a synchronization index. Roscoe DD, et al. **J Neurosci Methods** 1985 Mar;13(1):51-64

Assessment of capacitor electrodes for intracortical neural stimulation. Rose TL, et al. **J Neurosci Methods** 1985 Jan; 12(3):181-93

High-current and high-voltage stimulators. Scholfield CN, et al. **J Neurosci Methods** 1985 Jan;12(3):227-33

Signal averaging by microcomputer using a program written in a high-level language. Simmons PJ. **J Neurosci Methods** 1985 Jan;12(3):235-40

Cholinergic neurotransmission in the central nervous system of the Snell dwarf mouse. Fuhrmann G, et al. **J Neurosci Res** 1985;13(3):417-30

Growth cone-target interactions in the frog retinotectal pathway. Reh TA, et al. **J Neurosci Res** 1985; 13(1-2):89-100

Concussive head injury producing suppression of sensory transmission within the lumbar spinal cord in cats. Katayama Y, et al. **J Neurosurg** 1985 Jul;63(1):97-105

Enhanced in vivo responsiveness of presynaptic angiotensin II receptor-mediated facilitation of vascular adrenergic neurotransmission in spontaneously hypertensive rats. Cline WH Jr. **J Pharmacol Exp Ther** 1985 Mar;232(3):661-9

Heterosynaptic changes accompany long-term but not short-term potentiation of the perforant path in the anaesthetized rat. Abraham WC, et al. **J Physiol (Lond)** 1985 Jun;363:335-49

Mutual entrainment and electrical coupling as mechanisms for synchronous firing of rabbit sino-atrial pace-maker cells. Jalife J. **J Physiol (Lond)** 1984 Nov;356:221-43

Neurotransmitter specific alterations in dementing disorders: insights from animal models. Coyle JT, et al. **J Psychiatr Res** 1984;18(4):501-12 (59 ref.)

Relationship between intracellular oxygenation and neuromuscular conduction during hypoxic hypoxia. Millis RM, et al. **Life Sci** 1984 Dec 10;35(24):2443-51

Pathophysiology of neuronal signaling in the cerebral cortex. Turner DA. **Minn Med** 1985 Jul;68(7):550-2

Tuning in to neurotransmitters [news] Altman J. **Nature** 1985 Jun 13-19;315(6020):537

Substance P enteric neurons mediate non-cholinergic transmission to the circular muscle of the guinea-pig intestine. Costa M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):446-53

In vivo demonstration of alpha-2-adrenoceptor-mediated inhibition of the excitatory non-cholinergic neurotransmission in guinea pig airways. Grundström N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):236-40

Mechanism of alpha 2-adrenergic inhibition of neuroeffector transmission in the mouse vas deferens. Illes P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):241-7

Subfornical organ efferents influence the excitability of neurohypophyseal and tuberoinfundibular paraventricular nucleus neurons in the rat. Ferguson AV, et al. **Neuroendocrinology** 1984 Nov;39(5):423-8

Far-field potentials as a method of monitoring acute and chronic spinal cord injury. Simpson RK Jr, et al. **Neurol Res** 1983;5(4):13-27

The influence of serotonergic neurotransmission on the motor activity of the rabbit with the contusioned spinal cord. Simonić A, et al. **Neurologija** 1984;33(3-4):89-96

Effects of acute hypoxia on the EEG and impulse activity of the neurons of various brain structures in rats. Akopyan NS, et al. **Neurosci Behav Physiol** 1984 Sep-Oct; 14(5):405-11

Spatial organization of interaction of transcallosal and thalamocortical flows of excitation. Shramm VA, et al. **Neurosci Behav Physiol** 1984 Nov-Dec;14(6):510-5

Peripheral projections and neuropeptide coexistence in a subpopulation of fluoride-resistant acid phosphatase reactive spinal primary sensory neurons. Dalsgaard CJ, et al. **Neurosci Lett** 1984 Sep 28;51(1):139-44

Off-pathway synaptic transmission in the outer retina of the axolotl is mediated by a kainic acid-preferring receptor. Dvorak D. **Neurosci Lett** 1984 Sep 7;50(1-3):7-11

Subcortical crossed axonal projections to the caudate nucleus of the cat: a double-labelling study. Fisher RS, et al. **Neurosci Lett** 1984 Sep 28;51(1):25-30

Serotonergic and non-serotonergic projections from the interpeduncular nucleus to the ventral hippocampus in the rat. Groenewegen HJ, et al. **Neurosci Lett** 1984 Sep 28; 51(1):19-24

Central projections of vestibular afferents innervating the macula of the saccule in gerbil. Kevetter GA, et al. **Neurosci Lett** 1984 Sep 28;51(1):7-12

Increased binding of calcium in the hippocampal slice during long-term potentiation. Kuhnt U, et al. **Neurosci Lett** 1985 Jan 21;53(2):149-54

Co-localization of substance P- and phenylethanolamine-N-methyltransferase-like immunoreactivity in neurons of ventrolateral medulla that project to the spinal cord: potential role in control of vasomotor tone. Lorenz RG, et al. **Neurosci Lett** 1985 Apr 19;55(3):255-60

Possible cholinergic neurotransmission in the cristae ampullares of the chick inner ear. Meza G, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):93-7

Depolarization dependence of the kinetics of phasic transmitter release at the crayfish neuromuscular junction. Parnas I, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):157-62

A new double-labeling method demonstrates transmitter-specific projections. Weinberg RJ, et al. **Neurosci Lett** 1985 Apr 19;55(3):349-53

Evidence for a functional role of gangliosides in synaptic transmission: studies on rat brain striatal slices. Wieraszko A, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):123-8

Synchronized afterdischarges in the hippocampus: contribution of local synaptic interactions. Miles R, et al. **Neuroscience** 1984 Aug;12(4):1179-89

Relative pre- and postjunctional roles of noradrenaline and adenosine 5'-triphosphate as neurotransmitters of the sympathetic nerves of guinea-pig and mouse vas deferens. Stjärne L, et al. **Neuroscience** 1985 Mar;14(3):929-46

Discrete events measure single quanta of adenosine 5'-triphosphate secreted from sympathetic nerves of guinea-pig and mouse vas deferens. Stjärne L, et al. **Neuroscience** 1984 Sep;13(1):21-8

Neuropharmacology of the dorsal root entry zone. Blumenkopf B. **Neurosurgery** 1984 Dec;15(6):900-3

Spinal peptidergic and catecholaminergic systems and nociception. Howe JR, et al. **Neurosurgery** 1984 Dec; 15(6):904-12

Motor evoked potentials from transcranial stimulation of the motor cortex in humans. Levy WJ, et al. **Neurosurgery** 1984 Sep;15(3):287-302

Dorsal root rhizotomy and avulsion in the cat: a comparison of long term effects on dorsal horn neuronal activity. Ovelmen-Levitt J, et al. **Neurosurgery** 1984 Dec; 15(6):921-7

Spatial summation of pre-pain and pain in human teeth [letter] Mumford JM, et al. **Pain** 1985 Jul;22(3):320-1

Microneuronography and its relation to perceived sensation. A critical review. Wall PD, et al. **Pain** 1985 Mar; 21(3):209-29

Temperature-induced changes in neuromuscular function: central and peripheral mechanisms. Goodman D, et al. **Percept Mot Skills** 1984 Oct;59(2):647-56

Reflections of the pioneers of neurohumoral transmission. Koelle GB. **Perspect Biol Med** 1985 Spring;28(3):434-9

Control of quantal transmitter release at frog's motor nerve terminals. II. Modulation by de- or hyperpolarizing pulses. Dudel J. **Pflugers Arch** 1984 Nov;402(3):235-43

Control of quantal transmitter release at frog's motor nerve terminals. I. Dependence on amplitude and duration of depolarization. Dudel J. **Pflugers Arch** 1984 Nov; 402(3):225-34

Descending projections from the ventrolateral medulla and cardiovascular control. Lovick TA. **Pflugers Arch** 1985 May;404(2):197-202

Transmission of low temperature information in the rat trigeminal system. Puri R, et al. **Pflugers Arch** 1985 May; 404(1):86-7

Anatomical features and physiological properties of central serotonin neurons. Baumgarten HG, et al. **Pharmacopsychiatry** 1985 Mar;18(2):180-7

Receptor-mediated regulation of 5-hydroxytryptamine metabolism: current knowledge and open questions. Kehr W. **Pharmacopsychiatry** 1985 Mar;18(2):193-7

Significance of serotonin in central nervous functions. Maître L. **Pharmacopsychiatry** 1985 Mar;18(2):179

Reduction in cervical probing analgesia by repeated prior exposure to cold-water swims. Bodnar RJ, et al. **Physiol Behav** 1984 Apr;32(4):653-5

Responses of olfactory bulb neurons to repeated odor stimulations in awake freely-breathing rabbits. Chaput MA, et al. **Physiol Behav** 1985 Feb;34(2):249-58

Evidence that receptors mediating central synaptic potentials extend beyond the postsynaptic density. Faber DS, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3504-8

The postsynaptic density: a possible role in long-lasting effects in the central nervous system. Siekevitz P. **Proc Natl Acad Sci USA** 1985 May;82(10):3494–8

Transmission at voltage–clamped giant synapse of the squid: evidence for cooperativity of presynaptic calcium action. Smith SJ, et al. **Proc Natl Acad Sci USA** 1985 Jan; 82(2):622–5

Synaptic transmission from rods to bipolar cells in the tiger salamander retina. Wu SM. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3944–7

On the mechanism of cholinergic excitation. Prinz H, et al. **Prog Clin Biol Res** 1984;164:279–89

Spinal cord injury models. de la Torre JC. **Prog Neurobiol** 1984;22(4):289–344 (186 ref.)

The twelfth Bartlett memorial lecture: the role of single neurons in the psychology of perception. Barlow HB. **Q J Exp Psychol [A]** 1985 May;37(2):121–45

Impulse activity evokes precocious sprouting of nociceptive nerves into denervated skin. Nixon BJ, et al. **Somatosens Res** 1984;2(2):97–126

Pain due to nerve injury. Loeser JD. **Spine** 1985 Apr; 10(3):232–5

Retinal neurotransmission. Pycock CJ. **Surv Ophthalmol** 1985 Mar–Apr;29(5):335–65

[Enkephalin–noradrenaline interactions in synaptic transmission] Fan JZ, et al. **Sheng Li Ko Hsueh Chin Chan** 1985 Apr;16(2):158–60 **(Chi)**

[The spinal enkephalinergic and serotoninergic systems in the control of transmission of nociceptive messages] Cesselin F, et al. **J Pharmacol** 1985;16 Suppl 1:119–37 (70 ref.) (Eng. Abstr.) **(Fre)**

[Physiopathology of schizophrenia. Some biologic aspects] Tissot R. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 135(1):29–40 **(Fre)**

[Diabetic polyneuropathy. Clinical and electroneurographic studies] Fischer W, et al. **Beitr Klin Neurol Psychiatr** 1981; 49:1–116 **(Ger)**

[Diabetic polyneuropathy from the neurologic viewpoint] Neundörfer B. **Internist (Berlin)** 1984 Oct;25(10):613–9 **(Ger)**

[Electrophysiologic studies in polyneuropathies] Stöhr M. **Internist (Berlin)** 1984 Oct;25(10):583–8 **(Ger)**

[Dopaminergic disequilibria in hemicrania] Boccuni M, et al. **Acta Neurol (Napoli)** 1985 Apr;7(2):135–53 (51 ref.) (Eng. Abstr.) **(Ita)**

[Neurotransmitters] Nakamura S. **No To Shinkei** 1985 Apr; 37(4):410–1 **(Jpn)**

[Selected aspects of neural transmission in the retina] Stankiewicz A. **Klin Oczna** 1984 Jun;86(6):275–8 (Eng. Abstr.) **(Pol)**

[Drug activation of GABAergic transmission in the central nervous system: benzodiazepines and GABAergic agonists] Moura D, et al. **Acta Med Port** 1985 Feb;6(2):57–64 (46 ref.) (Eng. Abstr.) **(Por)**

[Role of calcium ions in the process of synaptic transmission] Selishcheva AA, et al. **Biol Nauki** 1984;(9):5–21 (86 ref.) (Eng. Abstr.) **(Rus)**

[Extracallosal channels of interhemispheric transmission of visual information] Fedan VA, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):643–5 (Eng. Abstr.) **(Rus)**

[Role of the thalamic nuclear–conductor structures in the central regulation of cerebral and peripheral circulations] Maiorchik VE, et al. **Fiziol Cheloveka** 1984 Sep–Oct; 10(5):841–51 **(Rus)**

[Neurokinetic hypothesis of synaptic efficiency] Batuev AS, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1149–56 (Eng. Abstr.) **(Rus)**

[Effect of long–term postsynaptic membrane voltage clamp at different levels on neuromuscular transmission in the frog] Krivoĭ II, et al. **Fiziol Zh SSSR** 1984 Oct; 70(10):1448–53 (Eng. Abstr.) **(Rus)**

[Participation of serotoninergic mechanisms in the regulation of visceral functions during conditioned reflex activity] Pastukhov VA, et al. **Fiziol Zh SSSR** 1985 Jun;71(6):688–93 (Eng. Abstr.) **(Rus)**

[Prolonged potentiation of responses of the neocortex of the intact brain and in vitro cortical slices] Voronin LL, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1167–77 (Eng. Abstr.) **(Rus)**

[Periodic changes in evoked mediator secretion at the neuromuscular synapse] Zefirov AL. **Fiziol Zh SSSR** 1985 Jun;71(6):737–43 (Eng. Abstr.) **(Rus)**

[Posttetanic potentiation at an identified synapse of the central nervous system of Helix lucorum during different types of tetanization] Logunov DB. **Neirofiziologiia** 1985; 17(3):403–6 (Eng. Abstr.) **(Rus)**

[Effect of blockade of axonal transport on endplate currents of muscle fibers in the frog] Volkov EM, et al. **Neirofiziologiia** 1985;17(2):204–11 (Eng. Abstr.) **(Rus)**

[Reflection of the plastic properties of very simple neuronal assemblies in the statistical characteristics of the spike activity of their elements. Monosynaptically connected neurons] Zosimovskiĭ VA. **Zh Vyssh Nerv Deiat** 1984 Nov–Dec;34(6):1149–58 (Eng. Abstr.) **(Rus)**

[International symposium: Neurosecretion and synaptic transmission. Abstracts] **Arch Biol Med Exp (Santiago)** 1983 Aug;16(1):R61–74 **(Spa)**

DRUG EFFECTS

Precurarization with vecuronium and pancuronium in awake, healthy volunteers: the influence on neuromuscular transmission and pulmonary function. Engbaek J, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):117–20

Activation of the cholinergic system and growth hormone release in the dog: functional interactions with other neurotransmitters. Betti R, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):36–43

Facilitation of GABA–ergic transmission by ethosuximide. Geber J, et al. **Acta Med Iugosl** 1984;38(5):351–4

p,p'–DDT–induced myoclonus in mice: the effect of enhanced 5–HT neurotransmission. Magnussen I. **Acta Pharmacol Toxicol (Copenh)** 1985 Feb;56(2):87–90

Alpha–bungarotoxin selectively inhibits stimulus–bound repetition in isolated frog sympathetic ganglion. Minker E, et al. **Acta Physiol Hung** 1984;64(1):81–9

Facilitation of transmission at the crayfish neuromuscular synapse by a convulsant phenol. Kaila K, et al. **Acta Physiol Scand** 1984 Dec;122(4):599–605

Effects of neuropeptide Y (NPY) on mechanical activity and neurotransmission in the heart, vas deferens and urinary bladder of the guinea–pig. Lundberg JM, et al. **Acta Physiol Scand** 1984 Aug;121(4):325–32

Cephalic carotid pressure as a measure of transmission through cervical ganglion. Tuttle RS. **Am J Physiol** 1985 Jun;248(6 Pt 2):H867–75

The armlift test. An alternative to the headlift test for assessing recovery from neuromuscular blockade. Bar ZG. **Anaesthesia** 1985 Jul;40(7):630–3

Atracurium in the myasthenic patient. Bell CF, et al. **Anaesthesia** 1984 Oct;39(10):961–8

Inhibition of ganglionic transmission in mammals by a new alpha toxin from Bungarus multicinctus venom. Gotti C, et al. **Ann Ist Super Sanita** 1984;20(1):27–32

Effects of long–term drug treatments on the sensitivity of presynaptic receptors regulating neurotransmitter release. Raiteri M, et al. **Ann Ist Super Sanita** 1984;20(1):57–64

Drugs acting as modulators of neurochemical mechanisms of gabaergic synaptic transmission. Rayevsky KS, et al. **Ann Ist Super Sanita** 1984;20(1):47–52

Chemically activated channels in muscle and spinal cord. Jackson MB. **Ann Neurol** 1984;16 Suppl:S52–8

Drug–ionic channel interactions: single–channel measurements. Narahashi T. **Ann Neurol** 1984;16 Suppl:S39–51

Mediation of storage and retrieval with two drugs that selectively modulate serotonergic neurotransmission. Altman HJ. **Ann NY Acad Sci** 1985;444:496–8

Pharmacological manipulation of the substantia innominata–cortical cholinergic pathway. Wenk GL. **Ann NY Acad Sci** 1985;444:541–2

Effects of oxamniquine on neuromuscular transmission. Adewunmi CO, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):231–7

Inhibitory effect of GABA on sympathetic neurotransmission in rabbit ear artery. Manzini S, et al. **Arch Int Pharmacodyn Ther** 1985 Jan;273(1):100–9

Factors affecting train–of–four fade. Pearce AC, et al. **Br J Anaesth** 1985 Jun;57(6):602–6

Differential effects of myoneural blocking drugs on neuromuscular transmission in infants. Robbins R, et al. **Br J Anaesth** 1984 Oct;56(10):1095–9

Plasma melatonin during desmethylimipramine treatment: evidence for changes in noradrenergic transmission. Cowen PJ, et al. **Br J Clin Pharmacol** 1985 Jun;19(6):799–805

Evidence for neuro–effector transmission through postjunctional alpha 2–adrenoceptors in human saphenous vein. Docherty JR, et al. **Br J Pharmacol** 1985 Feb; 84(2):573–6

Comparison of the effects of caffeine and procaine on noradrenergic transmission in the guinea–pig mesenteric artery. Fujii K, et al. **Br J Pharmacol** 1985 Mar;84(3):675–84

Prolongation of inhibitory postsynaptic currents by pentobarbitone, halothane and ketamine in CA1 pyramidal cells in rat hippocampus. Gage PW, et al. **Br J Pharmacol** 1985 Jul;85(3):675–81

Penicillin induced hyperexcitability in the in vitro hippocampal slice can be unrelated to impairment of somatic inhibition. Avoli M. **Brain Res** 1984 Dec 3; 323(1):154–8

Excitatory and inhibitory effects of dopamine on synaptic transmission in the rat olfactory cortex slice. Collins GG, et al. **Brain Res** 1985 May 6;333(2):237–45

Suppression by phenytoin of convulsant–induced afterdischarges at presynaptic nerve terminals. David G, et al. **Brain Res** 1985 Jul 22;339(1):57–65

Modulatory effects of prostaglandin D2, E2 and F2 alpha on the postsynaptic actions of inhibitory and excitatory amino acids in cerebellar Purkinje cell dendrites in vitro. Kimura H, et al. **Brain Res** 1985 Mar 25;330(2):235–44

Electrophysiological evidence that nipecotic acid can be used in vivo as a false transmitter. Lerma J, et al. **Brain Res** 1985 Jun 3;335(2):377–80

Possible involvement of serotonergic neurotransmission in neurotensin but not morphine analgesia. Long JB, et al. **Brain Res** 1984 Sep 17;310(1):35–41

Estradiol benzoate decreases nigral GABAergic activity in male rats. Nicoletti F, et al. **Brain Res** 1985 Apr 15; 332(1):179–83

Stimulation of spontaneous transmitter release by the phorbol ester, 12–O–tetradecanoylphorbol–13–acetate, an activator of protein kinase C. Publicover SJ. **Brain Res** 1985 Apr 29;333(1):185–7

Kynurenic acid as an antagonist of hippocampal excitatory transmission. Robinson MB, et al. **Brain Res** 1984 Aug 20; 309(1):119–26

Fast and slow depolarizing potentials induced by short pulses of kainic acid in hippocampal neurons. Sawada S, et al. **Brain Res** 1984 Dec 24;324(2):279–87

Inhibitory actions of tuberostemonine on the excitatory transmission at the crayfish neuromuscular junction. Shinozaki H, et al. **Brain Res** 1985 May 13;334(1):33–40

Acute effects of lead at central synapses in vitro. Spence I, et al. **Brain Res** 1985 Apr 29;333(1):103–9

Effects of streptomycin and neomycin on the adrenal medulla of dogs. Corrado AP, et al. **Braz J Med Biol Res** 1984; 17(3–4):329–33

Accelerated onset of pancuronium with divided doses. Doherty WG, et al. **Can Anaesth Soc J** 1985 Jan;32(1):1–4

Noncholinesterase actions of an irreversible acetylcholinesterase inhibitor on synaptic transmission and membrane properties in autonomic ganglia. Yarowsky P, et al. **Cell Mol Neurobiol** 1984 Dec;4(4):351–66

Effects of sympathetic nerve stimulation are attenuated by the converting enzyme inhibitor Hoe 498 in isolated rabbit hearts. Xiang JZ, et al. **Clin Exp Hypertens [A]** 1984; 6(10–11):1853–7

Vascular alpha 2–adrenoceptors can mediate nerve stimulation–evoked contractions. Docherty JR, et al. **Clin Sci** 1985;68 Suppl 10:117s–120s

Diphenylbarbituric acid: its effects on neuromuscular and spinal cord function in the cat. Zavadil AP 3d, et al. **Epilepsia** 1985 Mar–Apr;26(2):158–66

Improvement in neuromuscular transmission in myasthenia gravis by 3,4–diaminopyridine. Lundh H, et al. **Eur Arch Psychiatry Neurol Sci** 1985;234(6):374–7

Neuromuscular block: atracurium and vecuronium compared and combined. Black TE, et al. **Eur J Anaesthesiol** 1985 Mar;2(1):29–37

Effects of aniline on neuromuscular transmission. Enomoto K, et al. **Eur J Pharmacol** 1985 May 8;111(2):235–8

Neuropeptide Y (NPY): an endogenous modulator of non–adrenergic transmission in rat vas deferens? Huidobro–Toro JP, et al. **Eur J Pharmacol** 1985 Feb 26; 109(2):317–8

Inhibition of neuroeffector transmission in the rabbit mesenteric artery by [Met5]enkephalin. Illes P, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):397–8

Possible involvement of a product of the 5–lipoxygenase pathway in mediation of indomethacin–induced inhibition of cholinergic transmission in guinea–pig ileum. Nakahata N, et al. **Eur J Pharmacol** 1984 Sep 3;104(1–2):133–8

Presence of presynaptic inhibitory alpha 1–adrenoceptors in the cardiac sympathetic nerves of the dog: effects of prazosin and yohimbine on sympathetic neurotransmission to the heart. Uchida W, et al. **Eur J Pharmacol** 1984 Aug 3;103(1–2):51–6

Effect of [D–Ala2,Met5]enkephalinamide and [D–Ala2,D–Leu5]enkephalin on cholinergic and noradrenergic neurotransmission in isolated atria. Wong–Dusting HK, et al. **Eur J Pharmacol** 1985 Apr 23; 111(1):65–72

The differential effects of baclofen on segmental and descending excitation of spinal interneurones in the cat. Curtis DR, et al. **Exp Brain Res** 1985;58(2):333–7

Chlorpromazine and trifluoperazine potentiate the action of adenosine on rat cerebral cortical neurons. Phillis JW. **Gen Pharmacol** 1985;16(1):19–24

General anaesthetics: effects on transmitter release. Wali FA. **Gen Pharmacol** 1985;16(1):7–11 (63 ref.)

Effects of captopril on vascular noradrenergic transmission in SHR. Eikenburg DC. **Hypertension** 1984 Sep–Oct; 6(5):660–5

Central effect of intravenous phenylephrine on baroreflex control of renal nerves. Imaizumi T, et al. **Hypertension** 1984 Nov–Dec;6(6 Pt 1):906–14

Inhibition by prostaglandins of adrenergic transmission in the left ventricular myocardium of anesthetized dogs. Lanier SM, et al. **J Cardiovasc Pharmacol** 1985 Jul–Aug;7(4):653–9

Angiotensin facilitation of noradrenergic neurotransmission in central tissues of the rat: effects of sodium restriction. Meldrum MJ, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec; 6(6):989–95

Effects of captopril on vascular noradrenergic transmission during the development of two–kidney, one clip Goldblatt hypertension in rats. Eikenburg DC, et al. **J Hypertens** 1983 Aug;1(2):115–22

Stereoselectivity of spinal neurotransmission: effects of baclofen enantiomer on tail–flick reflex in rats. Smith DF. **J Neural Transm** 1984;60(1):63–7

Octopamine enhances neuromuscular transmission in developing and adult moths, Manduca sexta. Klaassen LW, et al. **J Neurobiol** 1985 May;16(3):227–43

Inhibition of the electrically evoked release of [3H]acetylcholine in rat striatal slices: an experimental model for drugs that enhance dopaminergic neurotransmission. Baud P, et al. **J Neurochem** 1985 Feb; 44(2):331–7

Reversible abnormalities of the Hering Breuer reflex in acrylamide neuropathy. Satchell P. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):670–5

Postsynaptic block of frog neuromuscular transmission by conotoxin GI. McManus OB, et al. **J Neurosci** 1985 Jan; 5(1):110–6

Local cobalt injection: a method to discriminate presynaptic axonal from postsynaptic neuronal activity. Kretz R.

J Neurosci Methods 1984 Jun;11(2):129-35

A method for recording agonist-induced depolarizations in small autonomic ganglia. Loring RH. **J Neurosci Methods** 1985 Jan;12(3):241-8

GABA inhibits excitatory neurotransmission in rat pelvic ganglia. Maggi CA, et al. **J Pharm Pharmacol** 1985 May;37(5):349-51

The effect of ergot alkaloids ergosinine, dihydroergosine and dihydroergotamine on neurotransmission and contractility of the isolated ileum of the guinea-pig. Radulović S, et al. **J Pharm Pharmacol** 1984 Dec;36(12):814-9

Inhibition by 5,6-dihydroxy-2-dimethylaminotetralin (M7) of noradrenergic neurotransmission in the rabbit hypothalamus: role of alpha-2 adrenoceptors and of dopamine receptors. Galzin AM, et al. **J Pharmacol Exp Ther** 1985 May;233(2):459-65

Involvement of the vascular renin-angiotensin system in beta adrenergic receptor-mediated facilitation of vascular neurotransmission in spontaneously hypertensive rats. Kawasaki H, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):23-32

Acute and subchronic effects of MJ-13859, a potential antipsychotic drug, on rat brain dopaminergic function. McMillen BA. **J Pharmacol Exp Ther** 1985 May;233(2):369-75

Indomethacin, prostaglandin E2 and transmission at the frog neuromuscular junction. Madden KS, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):305-14

Dual effects of dynorphin-(1-13) on cholinergic and substance P-ergic transmissions in the rabbit iris sphincter muscle. Ueda N, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):545-50

Dopaminergic modulation of neuromuscular transmission in the prawn. Miller MW, et al. **J Physiol (Lond)** 1985 Jun;363:363-75

Action of botulinum A toxin and tetanus toxin on synaptic transmission. Dreyer F, et al. **J Physiol (Paris)** 1984;79(4):252-8

A unified theory of presynaptic chemical neurotransmission. Moskowitz N, et al. **J Theor Biol** 1985 Feb 7;112(3):513-34

Effect of isoproterenol on vascular adrenergic neurotransmission in prehypertensive and hypertensive spontaneously hypertensive rats. Kubo T, et al. **Jpn J Pharmacol** 1984 Nov;36(3):419-21

Effects of 4-aminopyridine on the non-adrenergic inhibitory neurotransmission in the guinea-pig duodenum. Ohkawa H. **Jpn J Physiol** 1984;34(5):893-905

Effect of kainic acid upon N1 latency. Kusakari J, et al. **Laryngoscope** 1984 Oct;94(10):1365-9

Sex differences in the response of rats to drugs affecting GABAergic transmission. Peričić D, et al. **Life Sci** 1985 Feb 11;36(6):541-7

Mechanism of presynaptic inhibition of cholinergic transmission in guinea-pig ileum by adenine nucleotides. Paton DM, et al. **Methods Find Exp Clin Pharmacol** 1985 Feb;7(2):65-8

The effects of avermectin and drugs related to acetylcholine and 4-aminobutyric acid on neurotransmission in Ascaris suum. Kass IS, et al. **Mol Biochem Parasitol** 1984 Oct;13(2):213-25

Biochemical reactions between opiate receptor binding and inhibition of neurotransmission. Clouet DH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:95-108 (47 ref.)

Inhibitory effect of adenosine on transmission in sympathetic ganglia. Alkadhi KA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):16-9

Differential effects of the stereoisomers of 3PPP on dopaminergic and cholinergic neurotransmission in superfused slices of the corpus striatum. Arbilla S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug;327(1):6-13

Amphetamine-clonidine interaction on neurotransmission in the vas deferens of the rat. Fiszman ML, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec;328(2):148-53

Inhibition via opioid mu- and delta-receptors of vagal transmission in rabbit isolated heart. Weitzell R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec;328(2):186-90

Electrical responses of pineal cells to pineal indoles and putative transmitters in intact and blinded pigeons. Demaine C, et al. **Neuroendocrinology** 1984 Nov;39(5):408-13

Treatment of non-fluctuating progressive dystonia: a neuropharmacological approach. Willemse J, et al. **Neuropediatrics** 1984 Oct;15(4):208-10

The role of central dopaminergic systems in the behavioral effects of H-Phe-Ile-Tyr-His-Ser-Tyr-Lys-OH. Vécsei L, et al. **Neuropeptides** 1985 Jun;6(3):183-90

Multiple signals in GABAergic transmission: pharmacological consequences. Costa E, et al. **Neuropharmacology** 1984 Aug;23(8):989-91

Central monoaminergic effects of two aporphine analogues to the putative serotonin-receptor agonist, 8-hydroxy-2-di-n-propylaminotetralin. Hjorth S, et al. **Neuropharmacology** 1984 Oct;23(10):1187-90

Electrophysiological interactions between haloperidol and reduced haloperidol, and dopamine, norepinephrine and phencyclidine in rat brain. Kirch DG, et al. **Neuropharmacology** 1985 May;24(5):375-9

Oxytocin and a C-terminal derivative (Z-prolyl-D-leucine) attenuate tolerance to and dependence on morphine and interact with dopaminergic neurotransmission in the mouse brain. Kovács GL, et al. **Neuropharmacology** 1985 May;24(5):413-9

An analysis of the effects of clonidine and three structural isomers on transmission in rat superior cervical ganglia in vitro. Medgett IC. **Neuropharmacology** 1985 May;24(5):381-90

Stereospecific effects of acetylcarnitine on the spontaneous activity of brainstem neurones and their responses to acetylcholine and serotonin. Tempesta E, et al. **Neuropharmacology** 1985 Jan;24(1):43-50

A pharmacological study of the effect of carbamazepine on neuromuscular transmission in the rat diaphragm. Tsai MC. **Neuropharmacology** 1985 Apr;24(4):345-51

Morphofunctional changes in activated neurons for different depths of narcosis in animals. Darinskii YuA. **Neurosci Behav Physiol** 1984 Sep-Oct;14(5):412-6

Rhythmic activity of the brain evoked by local injections of carbachol into subcortical nuclei. Oleshko NN, et al. **Neurosci Behav Physiol** 1984 Sep-Oct;14(5):399-404

There are receptors for neurotensin in the caudate nucleus and posterior hypothalamus. Suvorov NF, et al. **Neurosci Behav Physiol** 1984 Sep-Oct;14(5):416-20

Effects of fasciculin 2, an anticholinesterase polypeptide from green mamba venom, on neuromuscular transmission in mouse diaphragm preparations. Anderson AJ, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):123-8

Nicotinic transmission in sympathetic ganglia: blockade by the snake venom neurotoxin kappa-bungarotoxin. Chiappinelli VA, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):239-44

Magnesium ions block an N-methyl-D-aspartate receptor-mediated component of synaptic transmission in rat hippocampus. Coan EJ, et al. **Neurosci Lett** 1985 Jan 7;53(1):21-6

Phosphono dipeptides and piperazine derivatives as antagonists of amino acid-induced and synaptic excitation in mammalian and amphibian spinal cord. Davies J, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):79-84

Tetrodotoxin does not block the axonal transmission of S-potentials in goldfish retina. Djamgoz MB, et al. **Neurosci Lett** 1984 Aug 31;49(3):233-8

The effects of capsaicin on action potential and outward potassium currents in a bursting neuron of the snail, Helix pomatia L. Erdéyi L, et al. **Neurosci Lett** 1985 Mar 22;55(1):71-6

Stereoselectivity of L-baclofen in hippocampal slices of the rat. Haas HL, et al. **Neurosci Lett** 1985 Mar 22;55(1):1-4

The excitation of frog motoneurones in vitro by the glutamate analogue, Dl-alpha-amino-3-hydroxy-5-methyl-4-isoxazole-propio acid (AMPA), and the effect of amino acid antagonists. King AE, et al. **Neurosci Lett** 1985 Mar 22;55(1):77-82

The actions of 'selective' excitatory amino acid antagonists on the crustacean neuromuscular junction. King AE, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):217-22

Tonic depolarization of excitatory nerve terminals in crayfish muscle by high concentrations of extracellular potassium. Martin C, et al. **Neurosci Lett** 1985 Feb 4;53(3):309-14

Vasoactive intestinal polypeptide facilitates muscarinic transmission in mammalian sympathetic ganglia. Mo N, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):19-23

Selective blockade of an excitatory synapse in rat cerebral cortex by the sigma opiate cyclazocine: an intracellular, in vitro study. Thomson AM, et al. **Neurosci Lett** 1985 Feb 28;54(1):21-6

Nerve growth factor enhances central synaptic function of Ia sensory neurons. Kuno M, et al. **Neurosci Res** 1985 Apr;2(4):275-80

Ultrastructural and physiological effects of the ionophore A23187 at identified frog neuromuscular junctions. Llados FT, et al. **Neuroscience** 1984 Sep;13(1):237-47

Effects of ammonium chloride on synaptic transmission in the rat hippocampal slice. Théorêt Y, et al. **Neuroscience** 1985 Mar;14(3):798-806

Effects of ammonium salts on synaptic transmission to hippocampal CA1 and CA3 pyramidal cells in vivo. Théorêt Y, et al. **Neuroscience** 1985 Mar;14(3):807-21

Dopamine regulates synaptic transmission mediated by cholinergic neurons of the rat retina. Yeh HH, et al. **Neuroscience** 1984 Nov;13(3):901-9

Depression of nociceptive sensory activity in the rat spinal cord due to the intrathecal administration of drugs: effect of diazepam. Jurna I. **Neurosurgery** 1984 Dec;15(6):917-20

Neurotoxic effects of wasp venoms—synaptic and behavioral aspects. Piek T, et al. **Neurotoxicology** 1985 Summer;6(2):251-9

Trimethyltin inhibits the activity of hippocampal neurons recorded in vitro. Allen CN, et al. **Neurotoxicology (Park Forest II)** 1984 Winter;5(4):23-30

Chronic lead exposure reduces junctional resistance at an electrical synapse. Audesirk G, et al. **Neurotoxicology (Park Forest II)** 1984 Winter;5(4):1-7

Heavy metals: effects on synaptic transmission. Cooper GP, et al. **Neurotoxicology (Park Forest II)** 1984 Fall;5(3):247-66

A psychophysical analysis of morphine analgesia. Price DD, et al. **Pain** 1985 Jul;22(3):261-9

Cholinergic synaptic activation due to HCO-3 in the superior cervical ganglion of the rat. Fukuda Y. **Pflugers Arch** 1984 Sep;402(1):94-9

Adenosine enhances afterhyperpolarization and accommodation in hippocampal pyramidal cells. Haas HL, et al. **Pflugers Arch** 1984 Nov;402(3):244-7

Adenosine-induced depression of synaptic transmission in the isolated olfactory cortex: receptor identification. McCabe J, et al. **Pflugers Arch** 1985 Feb;403(2):141-5

Inhibition of isolation-induced changes in aminergic transmission by chronic lithium treatment. Oehler J, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):181-4

The role of GABA in the anticonflict action of sodium valproate and chlordiazepoxide. Vellucci SV, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):845-51

Increased sensitivity to serotonergic agonists after repeated electroconvulsive shock in rats. Wielosz M. **Pharmacol Biochem Behav** 1985 May;22(5):683-7

Effects of ethylketocyclazocine on adrenergic transmission in the isolated perfused cat spleen. Gaddis RR, et al. **Pharmacology** 1985;30(4):205-14

Effects of octopamine on GABA-ergic transmission in rats. Jagiełło-Wójtowicz E, et al. **Pol J Pharmacol Pharm** 1984 Nov-Dec;36(6):595-601

Phorbol ester effects on neurotransmission: interaction with neurotransmitters and calcium in smooth muscle. Baraban JM, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):604-7

Influence of cyclic nucleotides on defensive, offensive and predatory aggression in rodents. Kantak KM, et al. **Prog Clin Biol Res** 1984;169:305-17

Stereopsychopharmacology: past, present and future. Smith DF. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(3):327-50 (72 ref.)

The influence of prostaglandins on neurotransmission in the rabbit isolated vas deferens. Trachte GJ. **Prostaglandins** 1985 Jan;29(1):47-59

Modulation of spinal synaptic transmission by beta-melanocyte stimulating hormone (beta-MSH). Krivoy WA, et al. **Psychoneuroendocrinology** 1985;10(1):103-8

Antidepressants and serotonergic neurotransmission: an integrative review. Willner P. **Psychopharmacology (Berlin)** 1985;85(4):387-404 (244 ref.)

Tardive dyskinesia: nondopaminergic treatment approaches. Casey DE. **Psychopharmacology [Suppl]** 1985;2:137-44

Influence of GABA mimetics and lithium on biochemical manifestations of striatal dopamine target cell hypersensitivity. Scatton B, et al. **Psychopharmacology [Suppl]** 1985;2:39-45

Some effects produced by isoprenaline upon neuromuscular transmission in mice. Tsai MC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Mar;84(3):277-85

The effect of capsaicin on C-fiber reflex and heat evoked discharge in the acute spinal cat. Matsumiya T, et al. **Tokai J Exp Clin Med** 1983 Nov;8(4):325-32

Electrophysiological studies on neuronal transmission in the frog's photosensory pineal organ. The effect of amino acids and biogenic amines. Meissl H, et al. **Vision Res** 1984;24(12):1727-34

[Neurophysiologic effects of various glycerol ethers of nitrogenous heterocyclic compounds] Bonhomme F. **Ann Pharm Fr** 1984;42(3):235-8 (Eng. Abstr.) **(Fre)**

[Comparative study of atracurium and vecuronium given in continuous injection] Neidhardt A, et al. **Cah Anesthesiol** 1984 Dec;32(8):645-8 **(Fre)**

[Electrophysiologic studies of alcohol dependent patients] Völker W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 May;37(5):272-9 (Eng. Abstr.) **(Ger)**

[Effects of systemic administration of kainic acid on GABAergic and glutamінergic transmission in various areas of the brain] Caruso G, et al. **Boll Soc Ital Biol Sper** 1984 Sep 30;60(9):1715-20 (Eng. Abstr.) **(Ita)**

[Effect of various vasoactive drugs on synaptic transmission in the orthosympathetic ganglia in man] Valli P, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30;60(6):1191-7 (Eng. Abstr.) **(Ita)**

[The effects of atracurium on neuromuscular transmission in rats] Otagiri T. **Masui** 1984 Oct;33(10):1122-9 (Eng. Abstr.) **(Jpn)**

[Effect of chemical carcinogens on the synaptic transmission of excitation in the sympathetic ganglia of rats] Klimenko EM, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):702-5 (Eng. Abstr.) **(Rus)**

[Mechanism of the modulating effect of met-enkephalin on glutamatergic synaptic transmission] Kuznetsov VI, et al. **Dokl Akad Nauk SSSR** 1985;282(2):456-9 **(Rus)**

[Synaptic transmission and action of noradrenaline and ATP in intestinal smooth muscle cells in a potassium-free solution] Baĭdan LV, et al. **Fiziol Zh** 1984 Nov-Dec;30(6):724-6 **(Rus)**

[Effect of hydrocortisone on neuromuscular transmission in the frog skeletal muscles] Poletaev GI, et al. **Fiziol Zh SSSR** 1985 Apr;71(4):488-92 (Eng. Abstr.) **(Rus)**

[Effect of magnesium and calcium ions on synaptic transmission block induced by adenosine in isolated slices of rat hippocampus] Artemenko DP, et al. **Neirofiziologiia** 1984;16(4):532-9 (Eng. Abstr.) **(Rus)**

[Effect of the toxin of the spider Argiope lobata on neuromuscular transmission] Lishko VK, et al. **Neirofiziologiia** 1985;17(1):127-30 (Eng. Abstr.) **(Rus)**

[Relation between the effect of carbacholine on spontaneous mediator release from motor nerve endings and extracellular potassium concentration in the rat] Nikol'skii EE. **Neirofiziologiia** 1984;16(4):470-5 (Eng. Abstr.) **(Rus)**

NEURAL TUBE DEFECTS

Duplication of the pituitary gland and spinal cord. Roessmann U. **Arch Pathol Lab Med** 1985 Jun; 109(6):518–20

A clinic for myelodysplasia/congenital hydrocephalus. Easton JK, et al. **SD J Med** 1985 Jul;38(7):13–4

CHEMICALLY INDUCED

Maternal drug histories and central nervous system anomalies. Winship KA, et al. **Arch Dis Child** 1984 Nov; 59(11):1052–60

Valproic acid therapy and neural tube defects. Garden AS, et al. **Can Med Assoc J** 1985 Apr 15;132(8):933, 936

Evidence for reopening of the cranial neural tube in mouse embryos treated with cadmium chloride. Schmid BP, et al. **Experientia** 1985 Feb 15;41(2):271–2

Experimental induction of cranioschisis aperta and exencephaly after neural tube closure. A rat model. Padmanabhan R. **J Neurol Sci** 1984 Nov–Dec; 66(2–3):235–43

Induction of neural-tube defects in nonhuman primates. Michejda M, et al. **Prog Clin Biol Res** 1985;163B:243–7

Ultrastructural changes in the neural tube of 10-day-old mouse embryos exposed to colchicine and hydroxyurea. Herken R. **Teratology** 1985 Jun;31(3):345–52

Neural tube defects caused by local anesthetics in early chick embryos. Lee H, et al. **Teratology** 1985 Feb;31(1):119–27

Neural-tube defects produced in Syrian hamsters by potato glycoalkaloids. Renwick JH, et al. **Teratology** 1984 Dec; 30(3):371–81

Teratogenic valproic acid concentrations: infusion by implanted minipumps vs conventional injection regimen in the mouse. Nau H. **Toxicol Appl Pharmacol** 1985 Sep 15; 80(2):243–50

COMPLICATIONS

Correlation of detrusor vesicae activity to radiologic findings in childhood myelodysplasia. Eklöf O, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jan–Feb;26(1):101–6

A myelodysplastic syndrome preceding acute lymphoblastic leukaemia. Berneman ZN, et al. **Br J Haematol** 1985 Jun; 60(2):353–4

Psychiatric disorder in children with physical disabilities. Breslau N. **J Am Acad Child Psychiatry** 1985 Jan; 24(1):87–94

Talectomy for equinovarus deformity in myelodysplasia. Trumble T, et al. **J Bone Joint Surg [Am]** 1985 Jan; 67(1):21–9

Observations on some rare cases of vertebro-medullar malformations associated with tumors. Conti P, et al. **J Neurosurg Sci** 1984 Apr–Jun;28(2):81–7

Cystic duplications of the esophagus and neurenteric cysts. Superina RA, et al. **J Pediatr Surg** 1984 Oct;19(5):527–30

Correlation between the findings of a clinical neurological examination and the urodynamic dysfunction in children with myelodysplasia. Wyndaele JJ, et al. **J Urol** 1985 Apr; 133(4):638–40

Pyoderma gangrenosum in myelodysplasia and acute leukaemia. Jacobs P, et al. **Postgrad Med J** 1985 Aug; 61(718):689–94

[Scoliosis and diastematomyelia] Vlach O, et al. **Acta Chir Orthop Traumatol Cech** 1984 Jul;51(4):309–13 (Eng. Abstr.) **(Cze)**

[Myelodysplastic syndromes] Stryckmans P, et al. **Rev Med Brux** 1985 Apr;6(4):265–9 (Eng. Abstr.) **(Fre)**

[Congenital dermal sinus with lesions in the conus medullaris and the cauda equina––with a case report] Tamaoka A, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):209–15 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Demonstration of diastematomyelia and associated abnormalities with MR imaging. Han JS, et al. **AJNR** 1985 Mar–Apr;6(2):215–9

In utero sonographic recognition of diastematomyelia. Williams RA, et al. **AJR** 1985 Jan;144(1):87–8

Visualization of the fetal spine: a proposal of a standard system to increase reliability. de Elejalde MM, et al. **Am J Med Genet** 1985 Jul;21(3):445–56

Prospective management of exstrophy of the cloaca and myelocystocele following prenatal ultrasound recognition of neural tube defects in identical twins. McLaughlin JF, et al. **Am J Med Genet** 1984 Dec;19(4):721–7

Maternal serum alpha-fetoprotein in twin pregnancies uncomplicated by neural tube defect. Redford DH, et al. **Am J Obstet Gynecol** 1985 Jul 1;152(5):550–3

Ultrasound of the spinal cord in neonates and infants. Jequier S, et al. **Ann Radiol (Paris)** 1985;28(3–4):225–31 **(Eng, Fre)**

The identification of false-positive amniotic fluid acetylcholinesterase results due to fetal calf serum contamination. Barlow RD, et al. **Br J Obstet Gynaecol** 1984 Oct;91(10):986–8

Thromboxane A2 and prostacyclin levels in molar pregnancy [letter] Greer IA, et al. **Br J Obstet Gynaecol** 1985 Jun; 92(6):652

Can we afford screening for neural tube defects [letter] **Br Med J [Clin Res]** 1985 Mar 2;290(6469):711–2

Screening for neural tube defects [letter] Goodman JD, et al. **Br Med J [Clin Res]** 1985 Mar 9;290(6470):791–2

Amniotic fluid acetylcholinesterase activity and alpha-fetoprotein in chromosomal anomalies and neural tube defects. Buamah PK, et al. **Clin Chem** 1985 Apr; 31(4):614–5

Comparison of two methods for amniotic fluid cholinesterases identification in the qualitative test for prenatal diagnosis of neural tube defects. Jeziorowska A, et al. **Clin Chim Acta** 1984 Nov 30;143(3):315–20

Amniotic fluid analysis in prenatal diagnosis of neural tube defects: a comparison between six biochemical tests supplementary to the measurement of amniotic fluid alpha-fetoprotein. Toftager-Larsen K, et al. **Clin Genet** 1984 Nov;26(5):406–13

Cervical diastematomyelia presenting in adulthood. Case report. Beyerl BD, et al. **J Neurosurg** 1985 Mar; 62(3):449–53

An algorithm for prenatal ultrasound diagnosis of congenital CNS abnormalities. Carrasco CR, et al. **J Ultrasound Med** 1985 Apr;4(4):163–8

Sonography, a complementary examination to alpha-fetoprotein testing for fetal neural tube defects. Hashimoto BE, et al. **J Ultrasound Med** 1985 Jun; 4(6):307–10

Prenatal diagnosis of neural-tube defects with a monoclonal antibody specific for acetylcholinesterase. Brock DJ, et al. **Lancet** 1985 Jan 5;1(8419):5–8

Correction formula for maternal serum alpha-fetoprotein [letter] Johnson AM, et al. **Lancet** 1984 Oct 6;2(8406):812

Adult onset of tethered spinal cord syndrome due to fibrous diastematomyelia: case report. Chehrazi B, et al. **Neurosurgery** 1985 May;16(5):681–5

False-positive amniotic fluid acetylcholinesterase results: the need for a multifacet approach to the prenatal diagnosis of neural tube defects. Lee JE, et al. **Obstet Gynecol** 1985 Sep;66(3 Suppl):22S–24S

Prenatal genetics. Zellweger H. **Padiatr Grenzgeb** 1984; 23(5):245–53

Real time ultrasound scanning of the head in neonates and infants, including a correlation between ultrasound and computed tomography. Chambers SE, et al. **Pediatr Radiol** 1985;15(1):4–7

Predictive value of amniotic acetylcholinesterase analysis in the diagnosis of fetal abnormality in 3700 pregnancies. Aitken DA, et al. **Prenat Diagn** 1984 Sep–Oct;4(5):329–40

Glial fibrillary acidic protein in amniotic fluids from pregnancies with fetal neural tube defects. Albrechtsen M, et al. **Prenat Diagn** 1984 Nov–Dec;4(6):405–10

Amniotic fluid gel acetylcholinesterase determination in prenatal diagnosis: dark field illumination as a method for improving the detection of precipitation bands. Leschot NJ, et al. **Prenat Diagn** 1985 May–Jun;5(3):237–41

A prospective study of amniotic fluid cholinesterases: comparison of quantitative and qualitative methods for the detection of open neural tube defects. Wyvill PC, et al. **Prenat Diagn** 1984 Sep–Oct;4(5):319–27

Interpreting AFP and AChE results in bloodstained amniotic fluid samples. Cuckle HS. **Prog Clin Biol Res** 1985; 163B:213–7

Sonography of the spine and spinal cord. Raghavendra BN, et al. **Radiol Clin North Am** 1985 Mar;23(1):91–105 (79 ref.)

Cholinesterase evaluation in the prenatal diagnosis of open neural tube defects. Troccoli R, et al. **Ric Clin Lab** 1985 Jan–Mar;15(1):53–62

Ultrasound screening for structural defects in early pregnancy. Christie AD. **Ultrasound Med Biol** 1984 Jul–Aug;10(4):L485–8

The tethered spinal cord syndrome. Bakker-Niezen SH, et al. **Z Kinderchir** 1984 Dec;39 Suppl 2:100–3

[Scanning electron-microscopy study of the rapidly adhering cells of amniotic fluid from a fetus with open neural tube defects] Li SR. **Chung Hua I Hsueh Tsa Chih** 1984 Nov; 64(11):684–5 (Eng. Abstr.) **(Chi)**

[Prenatal diagnosis of abnormalities of the neuroectodermal tube. Limitations of the assay of amniotic alpha fetoprotein and acetylcholinesterase and value of the qualitative study of cholinesterases. Apropos of 6 cases of anencephaly] Legras B, et al. **Pathol Biol (Paris)** 1985 Mar;33(3):169–72 (Eng. Abstr.) **(Fre)**

[Interlaboratory variation in the prenatal screening test for neural tube closing defects] Braoudakis G, et al. **Soz Praventivmed** 1984;29(4–5):207–8 (Eng. Abstr.) **(Fre)**

[Prenatal diagnosis of neural tube and abdominal wall defects in the 2d trimester] Mühlhaus K, et al. **Geburtshilfe Frauenheilkd** 1985 Feb;45(2):98–100 (Eng. Abstr.) **(Ger)**

[Prenatal diagnosis of severe neural tube defect in negative biochemical findings] Boos R, et al. **Z Geburtshilfe Perinatol** 1984 Sep–Oct;188(5):244–7 (Eng. Abstr.) **(Ger)**

[Prenatal diagnosis of Meckel-Gruber syndrome] Mühlhaus K, et al. **Z Geburtshilfe Perinatol** 1985 Jan–Feb; 189(1):37–41 (Eng. Abstr.) **(Ger)**

[Early prenatal diagnosis of neural tube defects: comparison of 3 methods] Cigui I, et al. **Pathologica** 1983;75 Suppl:196–9 **(Ita)**

[SEM morphology of rapidly adhering amniotic fluid cells of fetuses with neural tube defects] Ferranti G. **Pathologica** 1983;75 Suppl:200–3 **(Ita)**

[Distribution of alpha 1-fetoprotein and acetylcholinesterase activity in amniotic fluid] Wrede A, et al. **Ginekol Pol** 1984 Aug;55(8):553–60 (Eng. Abstr.) **(Pol)**

[Alpha 1-fetoprotein and acetylcholinesterase as markers of defects of the central nervous system in fetuses] Wrede A, et al. **Pol Tyg Lek** 1984 Oct 1–8;39(40–41):1323–6 (Eng. Abstr.) **(Pol)**

[Use of ultrasonography of the skull in the fetus and the newborn infant] Pinto Laso F, et al. **Rev Chil Obstet Ginecol** 1983;48(3):165–70 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

[Embryo-pathogenic considerations and clinico-radiologic aspects of an enterogenous caudal cyst] Lomiento D, et al. **Radiol Med (Torino)** 1984 Sep;70(9):600–2 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Amniotic fluid gamma-glutamyl transferase activity in trisomy 21 and neural tube defects. Buamah PK, et al. **Clin Chim Acta** 1984 Nov 30;143(3):285–9

Acetylcholinesterase immunoassays in detection on neural-tube defects [letter] Nørgaard Pedersen B, et al. **Lancet** 1985 Mar 23;1(8430):691–2

ETIOLOGY

Maternal serum folate and vitamin B12 concentrations in pregnancies associated with neural tube defects. Molloy AM, et al. **Arch Dis Child** 1985 Jul;60(7):660–5

Heat- and alcohol-induced neural tube defects: interactions with folate in a golden hamster model. Graham JM Jr, et al. **Pediatr Res** 1985 Feb;19(2):247–51

The role of malnutrition in common forms of physical and mental congenital defects among Nigerian Africans. Adeyokunnu AA. **Prog Clin Biol Res** 1985;163B:409–18

[Study of neural tube defects] Li SR. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Oct;19(4):226–9, 257–8 (Eng. Abstr.) **(Chi)**

[Heredity and environment in the origin of neural tube defects] Golovachev GD. **Akush Ginekol (Mosk)** 1984 Oct; (10):9–11 **(Rus)**

FAMILIAL & GENETIC

Genetic counseling in families at increased risk for neural tube defects. Barganier C, et al. **Ala J Med Sci** 1985 Jul; 22(3):301–4

Brief clinical report: neural tube defects in dup(11q). Bader PI, et al. **Am J Med Genet** 1984 Sep;19(1):5–8

Sibs of probands with neural tube defects––a study in the Federal Republic of Germany. Koch M, et al. **Hum Genet** 1985;70(1):74–9

Recurrence risk after neural tube defects in a genetic counselling clinic. Czeizel A, et al. **J Med Genet** 1984 Dec; 21(6):413–6

Tracheo-oesophageal dysraphism [letter] Fraser FC. **J Med Genet** 1984 Dec;21(6):474

Prevention of midline defects [letter] Walther JU, et al. **J Med Genet** 1984 Dec;21(6):473–4

Chromosome translocation (T(2;4)1 Sn)-induced neural tube defects in the mouse embryo. O'Shea KS, et al. **J Neurogenet** 1983 Sep;1(1):29–38

Transferrin and HLA: spontaneous abortion, neural tube defects, and natural selection. Weitkamp LR, et al. **N Engl J Med** 1985 Oct 10;313(15):925–32

Genetic aspects of 'uncomplicated' hydrocephalus and its relationship to neural tube defect. Laurence KM. **Z Kinderchir** 1984 Dec;39 Suppl 2:96–9

[Twin pregnancy with severe skull malformation of one twin] Leucht W, et al. **Geburtshilfe Frauenheilkd** 1984 Aug; 44(8):533–6 (Eng. Abstr.) **(Ger)**

[Practice of prenatal diagnosis in high-risk cases of neural tube defect] Török O, et al. **Orv Hetil** 1985 Jul 21; 126(29):1785–8 (Eng. Abstr.) **(Hun)**

[Development of neural tube defects and genetic counseling] Canki N. **Jugosl Ginekol Opstet** 1984 May–Aug; 24(3–4):45–8 (Eng. Abstr.) **(Scr)**

IMMUNOLOGY

Parental HLA compatibility, fetal wastage and neural tube defects: evidence for a T/t-like locus in humans. Schacter B, et al. **Am J Hum Genet** 1984 Sep;36(5):1082–91

OCCURRENCE

Empiric recurrence risk for neural tube defects (NTD) in Krakow region. Pietrzyk JJ. **Acta Anthropogenet** 1983; 7(4):367–72

Neural tube defects in Eastern Ontario and Western Quebec: demography and family data. Hunter AG. **Am J Med Genet** 1984 Sep;19(1):45–63

The incidence of neural tube defects in the fetus and neonate of the insulin-dependent diabetic woman [letter] Zacharias JF, et al. **Am J Obstet Gynecol** 1984 Nov 15;150(6):797–8

The geographical distribution of neural tube defects and oral clefts. Leck I. **Br Med Bull** 1984 Oct;40(4):390–5 (62 ref.)

Date of conception and prevention of neural tube defects. Dallaire L, et al. **Clin Genet** 1984 Oct;26(4):304–7

Incidence of neural-tube defects in southern Finland from 1970 to 1983 [letter] Lindy M, et al. **Dev Med Child Neurol** 1985 Aug;27(4):540–1

Epidemiology of neural tube defects in Germany. Koch M, et al. **Hum Genet** 1984;68(2):97–103

Recurrence rates for neural tube defects [letter] Owens JR, et al. **Lancet** 1985 Jun 1;1(8440):1282

NEWARK PUBLIC LIBRARY

Is recurrence rate of neural tube defects declining? [letter] Seller MJ, et al. **Lancet** 1985 Jan 19;1(8421):175

PATHOLOGY

An ultrastructural analysis of abnormal otic development in exencephalic mutant mice. Wilson DB. **Arch Otorhinolaryngol** 1985;241(2):203-8

CNS effects of mechanically produced spina bifida. Katz MJ. **Dev Med Child Neurol** 1984 Oct;26(5):617-31

Bone marrow mast cell reaction in preleukaemic myelodysplasia and in aplastic anaemia. Fohlmeister I, et al. **Virchows Arch [A]** 1985;405(4):503-9

PREVENTION & CONTROL

The role of the case-control study in evaluating health interventions. Vitamin supplementation and neural tube defects. Rhoads GG, et al. **Am J Epidemiol** 1984 Dec; 120(6):803-8 (32 ref.)

Neural-tube defects and vitamins: the need for a randomized clinical trial [letter] Smithells RW, et al. **Br J Obstet Gynaecol** 1985 Feb;92(2):185-8

Can we afford screening for neural tube defects? The South Wales experience. Hibbard BM, et al. **Br Med J [Clin Res]** 1985 Jan 26;290(6464):293-5

Can vitamins prevent neural tube defects? [letter] Elwood JM. **Can Med Assoc J** 1984 Dec 1;131(11):1332

A study of antenatal vitamin and iron supplementation in Glasgow. Bennett CA, et al. **Health Bull (Edinb)** 1985 Jul; 43(4):182-6

Maternal serum alpha-fetoprotein screening for neural tube defects. Report of a combined study in Germany and short overview on screening in populations with low birth prevalence of neural tube defects. Fuhrmann W, et al. **Hum Genet** 1985;69(1):47-61

Periconceptional vitamin supplementation and the prevention of neural tube defects in south-east England and Northern Ireland. Seller MJ, et al. **J Med Genet** 1984 Oct; 21(5):325-30

Periconceptional vitamin supplementation to prevent recurrence of neural tube defects [letter] Seller MJ. **Lancet** 1985 Jun 15;1(8442):1392-3

Vitamins and neural tube defects [letter] Davis JA. **Med J Aust** 1985 Jul 8;143(1):51

Vitamins and neural tube defects [letter] McCullagh P. **Med J Aust** 1985 Mar 4;142(5):328-9

Vitamins and neural tube defects [letter] Simpson D, et al. **Med J Aust** 1985 Jun 24;142(13):706

Primary prevention of inherited disorders. Present and future possibilities. Adinolfi M, et al. **Pediatr Med Chir** 1984 Jan-Feb;6(1):51-5

Maternal serum alpha-fetoprotein screening for neural tube defects. Results of a consensus meeting. **Prenat Diagn** 1985 Jan-Feb;5(1):77-83

Cost benefits of AFP screening [letter] Lindeneg K, et al. **Prenat Diagn** 1984 Jul-Aug;4(4):315-7

The impact of maternal serum alpha fetoprotein screening on open neural tube defect births in north-east Scotland. Thom H, et al. **Prenat Diagn** 1985 Jan-Feb;5(1):15-9

Prevention of neural tube defects by improvement in maternal diet and preconceptional folic acid supplementation. Laurence KM. **Prog Clin Biol Res** 1985; 163B:383-8

The role of periconceptional vitamin supplementation in the prevention of neural tube defects. Nevin NC. **Prog Clin Biol Res** 1985;163B:389-96

Prevention of neural tube defects in a mouse model and in man. Seller MJ. **Prog Clin Biol Res** 1985;163C:313-6

Reduction in the frequency of neural tube defects in splotch mice by retinoic acid. Kapron-Brás CM, et al. **Teratology** 1985 Aug;32(1):87-92

RADIOGRAPHY

Cervical diastematomyelia: uncommon presentation of a rare congenital disorder. Anand AK, et al. **Comput Radiol** 1985 Jan-Feb;9(1):45-9

CT demonstration of cervical diastematomyelia. Levine RS, et al. **J Comput Assist Tomogr** 1985 May-Jun;9(3):592-4

Importance of early radiologic diagnosis of congenital anomalies of the spine. Tadmor R, et al. **Surg Neurol** 1985 May;23(5):493-501

[Current diagnosis of diastematomyelia] Lau M, et al. **Beitr Orthop Traumatol** 1985 May;32(5):249-57 (Eng. Abstr.) **(Ger)**

SURGERY

Progressive spasticity and scoliosis in children with myelomeningocele. Radiological investigation and surgical treatment. Park TS, et al. **J Neurosurg** 1985 Mar; 62(3):367-75

Diastematomyelia with congenital scoliosis. Report of 15 surgically treated cases. Gökalp H. **Minerva Chir** 1985 Mar 15;40(5):287

Newborns with myelodysplasia--the rest of the story [editorial] Gross RH. **N Engl J Med** 1985 Jun 20; 312(25):1632-4

Cervical diastematomyelia: a case report with operative management. Kuchner EF, et al. **Neurosurgery** 1985 Apr; 16(4):538-42

An operative technique to reduce valve colonisation. Fitzgerald R, et al. **Z Kinderchir** 1984 Dec;39 Suppl 2:107-8

THERAPY

Influence of prognosis on decisions regarding the care of newborns with myelodysplasia. McLaughlin JF, et al. **N Engl J Med** 1985 Jun 20;312(25):1589-94

NEURALGIA

BLOOD

[Fasting and postprandial blood glucose in subjects with crural pain and sciatica] Daragon A, et al. **Rev Rhum Mal Osteoartic** 1985 Jan;52(1):7-11 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Neuralgic amyotrophy: a complication of neuroradiological contrast media [letter] Pearce JM, et al. **Lancet** 1985 Jun 15;1(8442):1400

COMPLICATIONS

[Brachial plexus neuropathy (amyotrophic neuralgia) and infectious mononucleosis: report of a case] Kouyoumdjian JA. **Arq Neuropsiquiatr** 1984 Sep;42(3):289-93 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Neuroma with causalgic symptoms. Miller HG. **J Am Podiatry Assoc** 1984 Sep;74(9):451-3

DRUG THERAPY

Nontraditional analgesics for the management of postherpetic neuralgia. Thompson M, et al. **Clin Pharm** 1985 Mar-Apr; 4(2):170-6

Rapid development of hyponatraemia during low-dose carbamazepine therapy [letter] Appleby L. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1138

[Perivasal anesthetic infiltration as a simple method for peripheral sympathetic blockade in pain states of the extremities (sympathalgias)] Zinke R. **Z Arztl Fortbild (Jena)** 1985;79(2):77-82 **(Ger)**

ETIOLOGY

Bradycardic and vasodepressor syncope secondary to glossopharyngeal neuralgia from hypopharyngeal tumor. Kim SS, et al. **Am Heart J** 1985 May;109(5 Pt 1):1101-2

Hand exposure to microwaves [letter] Stein JM. **Ann Emerg Med** 1985 Mar;14(3):278-9

Brachial plexus injuries with causalgia resulting from transaxillary rib resection. Horowitz SH. **Arch Surg** 1985 Oct;120(10):1189-91

Ilioinguinal neuralgia following iliac bone-grafting. Report of two cases and review of the literature. Smith SE, et al. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1306-8 (7 ref.)

Occipital neuralgia and the C1-2 arthrosis syndrome. Ehni G, et al. **J Neurosurg** 1984 Nov;61(5):961-5

Postherpetic pudendal neuralgia [letter] Howard EJ. **JAMA** 1985 Apr 19;253(15):2196

Neuralgic amyotrophy and polyradiculopathy during interferon therapy [letter] Bernsen PL, et al. **Lancet** 1985 Jan 5;1(8419):50

Combined trigeminal and glossopharyngeal neuralgia. Yoshioka J, et al. **Surg Neurol** 1985 Oct;24(4):416-20

[Recurrent herpes with neuralgia and zones of cutaneous hypoesthesia] de la Sayette V, et al. **Presse Med** 1985 May 11;14(19):1081-3 (Eng. Abstr.) **(Fre)**

[Are idiopathic leg pains due to a hernia of the lumbar intervertebral foramen canal (letter)?] Recoules-Arche D. **Presse Med** 1985 Jan 26;14(3):161 **(Fre)**

[Sparing of the accessory nerve in radical neck dissection] Busch HP, et al. **Fortschr Kiefer Gesichtschir** 1985;30:65-7 **(Ger)**

[The treatment of painful infraclavicular brachial plexus paralysis following axillary management and roentgen therapy] Uhlschmid G, et al. **Helv Chir Acta** 1985 Jan; 51(6):763-8 (Eng. Abstr.) **(Ger)**

[Neuralgia of the dorsal interosseous nerve] Carozzi S, et al. **Chir Ital** 1983 Apr;35(2):279-84 (Eng. Abstr.) **(Ita)**

[Bilateral obturator neuralgia secondary to osteitis of the pubis] Leno C, et al. **Arch Neurobiol (Madr)** 1984 Nov-Dec; 47(6):347-52 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Recurrent neuralgic amyotrophy with vagus and phrenic nerve involvement. Dinsmore WW, et al. **Clin Neurol Neurosurg** 1985;87(1):39-40

Abnormal and collateral innervations of sympathetic and peripheral sensory fields associated with a case of causalgia. Hoffert MJ, et al. **Pain** 1984 Sep;20(1):1-12

PREVENTION & CONTROL

Herpes zoster: adenosine monophosphate for the prevention of post-neuralgia [letter] Sklar SH, et al. **JAMA** 1985 Aug 16;254(7):912

Herpes zoster. The treatment and prevention of neuralgia with adenosine monophosphate. Sklar SH, et al. **JAMA** 1985 Mar 8;253(10):1427-30

SURGERY

Cardiovascular and cerebral complications during glossopharyngeal nerve thermocoagulation. Ori C, et al. **Anaesthesia** 1985 May;40(5):433-7

Terminal branch of anterior interosseous nerve as source of wrist pain. Dellon AL, et al. **J Hand Surg [Br]** 1984 Oct; 9(3):316-22

Surgical treatment of glossopharyngeal neuralgia and pain from cancer of the nasopharynx. A 20-year experience. Giorgi C, et al. **J Neurosurg** 1984 Nov;61(5):952-5

Dorsal root entry zone lesions for the treatment of postherpetic neuralgia. Friedman AH, et al. **Neurosurgery** 1984 Dec;15(6):969-70

Glossopharyngeal neuralgia with cardiac syncope. A case successfully treated by microvascular decompression. Tsuboi M, et al. **Surg Neurol** 1985 Sep;24(3):279-83

[Treatment of causalgia by decompression of peripheral nerves and experimental study of its mechanism] Zhu SX. **Chung Hua Wai Ko Tsa Chih** 1984 May;22(5):281-3 (Eng. Abstr.) **(Chi)**

THERAPY

A personal overview of causalgia and other reflex dystrophies. Shumacker HB Jr. **Ann Surg** 1985 Mar; 201(3):278-89

Treatment of pain due to herpes zoster infections. Borowsky S, et al. **Ariz Med** 1985 Jan;42(1):16-9 (20 ref.)

[Function of the central nervous system in patients with lesions of the peripheral nervous system during complex sanatorium-health resort treatment. II] Miashka VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr; (2):23-6 (Eng. Abstr.) **(Rus)**

NEURAMINIC ACIDS

ANALYSIS

N-Acetylneuraminic acid and N-glycolylneuraminic acid in the O-linked oligosaccharides of a tumor cell glycoprotein. Incorporation and distribution. Sherblom AP, et al. **J Biol Chem** 1985 Feb 10;260(3):1484-92

METABOLISM

The receptor-destroying enzyme of influenza C virus is neuraminate-O-acetylesterase. Herrler G, et al. **EMBO J** 1985 Jun;4(6):1503-6

Sialylation of glycoprotein oligosaccharides with N-acetyl-, N-glycolyl-, and N-O-diacetylneuraminic acids. Higa HH, et al. **J Biol Chem** 1985 Jul 25;260(15):8838-49

Neuraminic acid is involved in the binding of influenza C virus to erythrocytes. Herrler G, et al. **Virology** 1985 Feb; 141(1):144-7

NEURAMINIDASE

Studies on the development of the charge heterogeneity of the influenza virus glycoproteins. Bosch FX. **Arch Virol** 1985;83(3-4):311-7

Improved electrophoretic resolution of bone and liver alkaline phosphatases resulting from partial digestion with neuraminidase. Moss DW, et al. **Clin Chim Acta** 1984 Nov 15;143(2):177-82

[Evaluation of leukemogenic and immunogenic properties of leukemic cells modified by neuraminidase of non-cholera Vibrios on the model of Rauscher leukemia] Bratus GG, et al. **Eksp Onkol** 1985;7(2):56-60 (Eng. Abstr.) **(Rus)**

ANALYSIS

Ganglioside sialidase distribution in mucolipidosis type IV cultured fibroblasts. Zeigler M, et al. **Arch Biochem Biophys** 1985 Sep;241(2):602-7

Sialidase of rat hepatomas: qualitative and quantitative comparison with rat liver sialidase. Miyagi T, et al. **Gann** 1984 Dec;75(12):1076-82

Attempt at use of the fluorometric neuraminidase assay system for the enzyme antibody inhibition test. Kiyotani K, et al. **Hiroshima J Med Sci** 1984 Dec;33(4):825-7

Fluorometric measurement of neuraminidase activity of influenza viruses. Kiyotani K, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):287-92

Neuraminidase-like impurity in bovine albumin [letter] Moore BP, et al. **Transfusion** 1984 Nov-Dec;24(6):541

A newly discovered sialidase from gardnerella vaginalis. von Nicolai H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Oct;258(1):20-6

ANTAGONISTS & INHIBITORS

Comparison of the anti-neuraminidase antibody responses to vaccination with influenza whole particle and hemagglutinin vaccines. Hiromatsu Y, et al. **Kurume Med J** 1984;31(3):197-202

BIOSYNTHESIS

Activation of T lymphocytes results in an increase in H-2-encoded neuraminidase. Landolfi NF, et al. **Immunogenetics** 1985;22(2):159-67

BLOOD

Sialidase activity in the sera of patients and rabbits with clostridial myonecrosis. Schauer R, et al. **Clin Chim Acta** 1985 Mar 15;146(2-3):119-27

DEFICIENCY

beta-Galactosidase and neuraminidase deficiency associated with angiokeratoma corporis diffusum. Ishibashi A, et al. **Arch Dermatol** 1984 Oct;120(10):1344-6

Electrophysiological studies of myoclonus in sialidosis type 2. Tobimatsu S, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jan;60(1):16-22

Neuraminidase deficiency presenting as non-immune hydrops fetalis. Beck M, et al. **Eur J Pediatr** 1984 Dec;143(2):135-9

The infantile form of sialidosis type II associated with congenital adrenal hyperplasia: possible linkage between HLA and the neuraminidase deficiency gene. Oohira T, et al. **Hum Genet** 1985;70(4):341-3

Infantile type 2 sialidosis in a Pakistani family--a clinical and biochemical study. King M, et al. **J Inherited Metab Dis** 1984;7(3):91-6

Ultrastructural study on a severe infantile sialidosis (beta-galactosidase-alpha-neuraminidase deficiency). Yamano T, et al. **Neuropediatrics** 1985 May;16(2):109-12

[Two siblings with beta-galactosidase-neuraminidase deficiency (galactosialidosis) developing clinical symptoms in early childhood] Takeda E, et al. **No To Hattatsu** 1984 Sep;16(5):393-8 (Eng. Abstr.) **(Jpn)**

[Biochemical diagnosis of sialidosis in a child with a 'cherry spot' in the fundus oculi as the main clinical symptom of the disease] Tsvetkova IV, et al. **Vopr Med Khim** 1984 Sep-Oct;30(5):81-3 (Eng. Abstr.) **(Rus)**

GENETICS

Analysis of neuraminidase isozyme phenotypes in mammalian tissues: an electrophoretic approach. Samollow PB, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1182-8

Sequence determination of the Sendai virus HN gene and its comparison to the influenza virus glycoproteins. Blumberg B, et al. **Cell** 1985 May;41(1):269-78

Avian-human reassortant influenza A viruses derived by mating avian and human influenza A viruses. Murphy BR, et al. **J Infect Dis** 1984 Dec;150(6):841-50

Hemagglutinin-neuraminidase protein of the paramyxovirus simian virus 5: nucleotide sequence of the mRNA predicts an N-terminal membrane anchor. Hiebert SW, et al. **J Virol** 1985 Apr;53(4):1-6

The complete nucleotide sequence of the influenza virus neuraminidase gene of A/NJ/8/76 strain and its evolution by segmental duplication and deletion. Miki T, et al. **Mol Biol Med** 1983 Nov;1(4):401-13

Gene and protein sequence of an influenza neuraminidase with hemagglutinin activity. Air GM, et al. **Virology** 1985 Aug;145(1):117-22

Location of antigenic sites on the three-dimensional structure of the influenza N2 virus neuraminidase. Air GM, et al. **Virology** 1985 Sep;145(2):237-48

[Synthesis, cloning and determination of the primary structure of a full-size DNA copy of the neuraminidase gene from influenza virus type A subtype H1N1] Beklemishev AB, et al. **Bioorg Khim** 1985 May;11(5):628-35 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Anti-neuraminidase antibody response after administration of a split influenza vaccine. Constantinescu C, et al. **Arch Roum Pathol Exp Microbiol** 1985 Jan-Mar;44(1):37-41

Characterization of reference strains of Newcastle disease virus (NDV) and NDV-like isolates by monoclonal antibodies to HN subunits. Ishida M, et al. **Arch Virol** 1985;85(1-2):109-21

Antigenic characterization of hemagglutinin-neuraminidase (HN) protein of avian paramyxoviruses by specific antisera to isolated HN subunits. Ishida M, et al. **Arch Virol** 1985;83(3-4):229-39

The effects of monoclonal antibodies against the hemagglutinin-neuraminidase and fusion protein on the release of Sendai virus from infected cells. Orvell C, et al. **Arch Virol** 1985;86(1-2):1-15

Cytotoxic T cell lysis of target cells fused with liposomes containing influenza virus haemagglutinin and neuraminidase. Stitz L, et al. **J Gen Virol** 1985 Jun;66 (Pt 6):1333-9

In vitro enhancement of human natural cell-mediated cytotoxicity by purified influenza virus glycoproteins. Arora DJ, et al. **J Virol** 1984 Dec;52(3):839-45

[Studies on anti-neuraminidase antibody response in serum after inoculation of influenza hemagglutinin vaccines] Hiromatsu Y, et al. **Kansenshogaku Zasshi** 1984 May;58(5):367-75 (Eng. Abstr.) **(Jpn)**

[Formation and protective functions of antibodies to neuraminidase of the influenza A virus] Naĭkhin AN, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):35-9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Fluorescent staining of sialidases in polyacrylamide gel electrophoresis and ultrathin-layer isoelectric focusing. Berg W, et al. **Anal Biochem** 1985 Mar;145(2):339-42

Characterization, purification, and subcellular localization of bovine thyroid sialidases. Van Dessel G, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):937-47

Purification and characterization of cytosolic sialidase from rat liver. Miyagi T, et al. **J Biol Chem** 1985 Jun 10;260(11):6710-6

Influenza virus neuraminidase with hemagglutinin activity. Laver WG, et al. **Virology** 1984 Sep;137(2):314-23

[Purification of neuraminidase from influenza virus on an immunosorbent] Iakubov LA, et al. **Biokhimiia** 1984 Oct;49(10):1588-93 **(Rus)**

METABOLISM

Substrate specificity of the neuraminidase of different mumps virus strains. Klamm H, et al. **Acta Virol (Praha)** 1984 Nov;28(6):473-8

Mucin sialidase in the rat large intestine. Corfield AP, et al. **Biochem Soc Trans** 1984 Aug;12(4):605-7

Interactions of pig brain cytosolic sialidase with gangliosides. Formation of catalytically inactive enzyme-ganglioside complexes. Venerando B, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):82-92

Viral neuraminidase and cellular ectosialyltransferase in human lymphoblastoid cells infected with influenza virus. Duc Dodon M, et al. **Biochimie** 1984 Jun;66(6):493-6

Possible role of sialic acid and endogenous neuraminidase in T-cell proliferation. Stancou R, et al. **Cell Biol Int Rep** 1984 Aug;8(8):637-47

Effect of enzyme treatment of nutrient uptake by chick embryo fibroblasts. Guermeur C, et al. **Cell Mol Biol** 1984;30(6):529-35

Incubation with neuraminidase and affinity electrophoresis with wheat-germ lectin compared for separating and quantifying alkaline phosphatase isoenzymes in plasma. Rosalki SB, et al. **Clin Chem** 1985 Jul;31(7):1198-200

Sialic acid residues contribute to the heterogeneity of human serum ribonuclease: demonstration by isoelectric focusing and neuraminidase treatment of serum. Thomas JM, et al. **Clin Chim Acta** 1984 Sep 15;142(1):73-81

Human placental neuraminidase. Activation, stabilization and association with beta-galactosidase and its protective protein. Verheijen FW, et al. **Eur J Biochem** 1985 Jun 3;149(2):315-21

Differential binding of conA and WGA on the cell surface, the role of sialic acid in their expression and the increased activity of sialidase after cis-Platin treatment. Sodhi A, et al. **Experientia** 1985 Jan 15;41(1):93-5

Action of influenza virus neuraminidase on gangliosides. Haemagglutinin inhibits viral neuraminidase. Slepushkin VA, et al. **FEBS Lett** 1985 Mar 25;182(2):273-7

Cloning and characterization of genes involved in production of mannose-resistant, neuraminidase-susceptible (X) fimbriae from a uropathogenic O6:K15:H31 Escherichia coli strain. Hacker J, et al. **Infect Immun** 1985 Feb;47(2):434-40

Studies on the interaction of Clostridium perfringens sialidase with sialic acid linked to the internal galactose in monosialogangliotetraosyl ceramide. Corfield AP, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):449-61

Cleavage of the polysialosyl units of brain glycoproteins by a bacteriophage endosialidase. Involvement of a long oligosaccharide segment in molecular interactions of polysialic acid. Finne J, et al. **J Biol Chem** 1985 Jan 25;260(2):1265-70

Murine TH response to influenza virus: recognition of hemagglutinin, neuraminidase, matrix, and nucleoproteins. Hurwitz JL, et al. **J Immunol** 1985 Mar;134(3):1994-8

Neuraminidase production by streptococci from patients with glomerulonephritis. Mosquera JA, et al. **J Infect Dis** 1985 Feb;151(2):259-63

Dynamics of viral growth, viral enzymatic activity, and antigenicity in murine lungs during the course of influenza pneumonia. Astry CL, et al. **J Med Virol** 1984;14(2):81-90

Neuraminidase associated with coliphage E that specifically depolymerizes the Escherichia coli K1 capsular polysaccharide. Tomlinson S, et al. **J Virol** 1985 Aug;55(2):374-8

Neuraminidase activity in Trypanosoma rangeli. Pereira ME, et al. **Mol Biochem Parasitol** 1985 Apr;15(1):95-103

[H-NMR spectroscopy. Specificity of microbial sialidases against complex substrates] Friebolin H, et al. **Hoppe Seylers Z Physiol Chem** 1984 Nov;365(11):1309-21 (Eng. Abstr.) **(Ger)**

[Properties of human chorion neuraminidase] Petushkova NA, et al. **Biokhimiia** 1985 Apr;50(4):645-51 (Eng. Abstr.) **(Rus)**

[Enterotoxigenicity and neuraminidase activity of bacteria of the genus Citrobacter] Balanin NV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Aug;(8):32-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Aging in vivo and neuraminidase treatment of rat erythrocytes and their sequestration by the isolated perfused rat liver. Vömel T, et al. **Arch Gerontol Geriatr** 1985 Jul;4(2):125-32

Use of virus-attached antibodies or insulin molecules to mediate fusion between Sendai virus envelopes and neuraminidase-treated cells. Gitman AG, et al. **Biochemistry** 1985 May 21;24(11):2762-8

Calcium binding to cardiac myocytes protected from proteolytic enzyme activity. Bailey LE, et al. **Biochim Biophys Acta** 1985 Apr 17;839(2):199-208

Effect of pregnancy plasma, neuraminidase and sialic acid on phytohemagglutinin-induced human lymphocyte response. Rajan R, et al. **Biol Res Pregnancy Perinatol** 1984;5(3):113-7

Interaction between rat peritoneal macrophages and sialidase-treated erythrocytes: biochemical and morphological studies. Schauer R, et al. **Biomed Biochim Acta** 1984;43(6):711-7

The effect of specific glycosidases on Ricinus communis agglutinin binding to cell surfaces of two tumor sublines. A comparative flow-cytometric study. Bohn B, et al. **Cell Biophys** 1984 Sep;6(3):171-81

Tunicamycin and neuraminidase effects on luteinizing hormone (LH)-releasing hormone binding and LH release from rat pituitary cells in culture. Schvartz I, et al. **Endocrinology** 1985 Jun;116(6):2341-6

Effect of neuraminidase treatment on the inotropic response to ouabain, isoproterenol and calcium in the guinea pig heart. Fawzi AB, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):295-311

Effect of neuraminidase on inhibin activity in vivo and in vitro. Lecomte-Yerna MJ, et al. **Horm Res** 1984;20(4):277-84

Effect of neuraminidase on the expression of the 3-fucosyl-N-acetyllactosamine antigen in human tissues. Howie AJ, et al. **J Clin Pathol** 1985 Apr;38(4):409-16

Verotoxin and neuraminidase induced platelet aggregating activity in plasma: their possible role in the pathogenesis of the haemolytic uraemic syndrome. Rose PE, et al. **J Clin Pathol** 1985 Apr;38(4):438-41

Heterogeneity of rat FSH by chromatofocusing: studies on in-vitro bioactivity of pituitary FSH forms and effect of neuraminidase treatment. Blum WF, et al. **J Endocrinol** 1985 Apr;105(1):17-27

Mitogenic properties of neuraminidase and galactose oxidase-treated lymphoblastoid cells and plasma membranes for peripheral blood lymphocytes. Arnold A, et al. **J Immunol** 1984 Nov;133(5):2569-76

The phosphatidylinositol response and proliferation of oxidative enzyme-activated human T lymphocytes: suppression by plasma lipoproteins. Akeson AL, et al. **J Lipid Res** 1984 Nov;25(11):1195-205

Effects of neuraminidase on lectin binding sites in photoreceptor cells of monkey retina. Uehara F, et al. **Jpn J Ophthalmol** 1985;29(1):54-62

Effect of neuraminidase treatment of rat thymocytes on rosette formation with guinea pig erythrocytes. Oka H, et al. **Jpn J Physiol** 1984;34(6):1141-5

Regeneration of membrane sialic acid after neuraminidase treatment of leukemic granulocytes. Taub RN, et al. **Leuk Res** 1985;9(4):507-10

The relationship between sialic acid content and peanut agglutinin binding on senescent and enzyme treated human erythrocytes. Skutelsky E, et al. **Mech Ageing Dev** 1985 Jun;31(1):13-23

Decreased fertility resulting from treatment of fowl spermatozoa with neuraminidase or phospholipase c. Froman DP, et al. **Poult Sci** 1984 Dec;63(12):2479-82

Effect of poly-L-lysine and neuraminidase on the infectivity of Trypanosoma cruzi in cultured HeLa cells. Gamarro F, et al. **Z Parasitenkd** 1985;71(4):429-33

[Effect of Erysipelothrix rhusiopathiae neuraminidase on the lymphocyte function in the rat] Kenarova B, et al. **Eksp Med Morfol** 1984;23(4):182-5 **(Bul)**

[Effects of sialidase on the lectin binding sites in the monkey retina] Uehara F, et al. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):299-304 (Eng. Abstr.) **(Jpn)**

[Mechanism of the modifying effect of neuraminidase of the influenza virus on the development of Rauscher leukemia] Novichenko NL, et al. **Eksp Onkol** 1984;6(3):29-32 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Structure and diversity of influenza virus neuraminidase. Colman PM, et al. **Curr Top Microbiol Immunol** 1985;114:177-255 (208 ref.)

An influenza virus model for Trypanosoma cruzi infection: interactive roles for neuraminidase and lectin. Csete M, et al. **Curr Top Microbiol Immunol** 1985;117:153-65 (43 ref.)

Neuraminidase activity is not the cause of influenza virus-induced neutrophil dysfunction. Abramson JS, et al. **J Clin Microbiol** 1985 Jul;22(1):129-31

Further studies on the role of neuraminidase and the mechanism of low pH dependence in influenza virus-induced membrane fusion. Huang RT, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):295-301

Sialic acid is incorporated into influenza hemagglutinin glycoproteins in the absence of viral neuraminidase. Basak S, et al. **Virus Res** 1985 Feb;2(1):61-8

TOXICITY

Why was the 1918 influenza pandemic so lethal? The possible role of a neurovirulent neuraminidase. Maurizi CP. **Med Hypotheses** 1985 Jan;16(1):1-5

NEURASTHENIA

CHEMICALLY INDUCED

Do Vietnam veterans suffer from toxic neurasthenia? Hall W, et al. **Aust NZ J Psychiatry** 1985 Mar;19(1):19-29

[State of the nervous system of workers engaged in painting with bituminous lacquers] Majdecki T, et al. **Med Pr** 1985; 36(1):43-9 (Eng. Abstr.) (Pol)

[Mental disorders in acute poisoning by tranquilizers] Chudin AS. **Sov Med** 1985;(4):113-5 (Rus)

COMPLICATIONS

[Comparative study of the clinical dynamics of neuroses with variable expression of the hypochondriacal syndrome] Kalachev BP, et al. **Zh Nevropatol Psikhiatr** 1984; 84(11):1679-83 (Eng. Abstr.) (Rus)

DIAGNOSIS

[Pseudoneurasthenic form of disseminated sclerosis] Iarosh AA, et al. **Vrach Delo** 1984 Oct;(10):84-6 (Eng. Abstr.) (Rus)

[Clinico-laboratory examination of patients with incipient cerebral atherosclerosis, neurasthenia and apparently healthy subjects of different age groups (comparative data)] Shogam II, et al. **Zh Nevropatol Psikhiatr** 1985;85(1):45-52 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Effect of synthetic gastrodin in an injectable form on neurasthenia] Yang Q. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Apr; 18(2):76-8 (Eng. Abstr.) (Chi)

ETIOLOGY

[Mental disorders in arterial hypertension] Sekrecki T. **Pol Tyg Lek** 1984 Sep 17;39(38):1257-8 (Pol)

[Case of primary lymphoma of the central nervous system in a patient with symptoms of a neurasthenic syndrome and suspected sitophobia] Magiera P, et al. **Psychiatr Pol** 1984 Mar-Apr;18(2):175-9 (Pol)

[Psychoemotional status of dermatological patients and urgent problems of deontological tactics] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1984 Nov;(11):37-41 (Eng. Abstr.) (Rus)

HISTORY

H. Newell Martin--a remarkable career destroyed by neurasthenia and alcoholism. Fye WB. **J Hist Med Allied Sci** 1985 Apr;40(2):133-66

Neurasthenia in Pennsylvania: a perspective on the origins of American psychotherapy, 1870-1910. Gosling FG. **J Hist Med Allied Sci** 1985 Apr;40(2):188-206

OCCURRENCE

[Causes and conditions for the development of protracted neuroses] Podokrytov VS. **Zh Nevropatol Psikhiatr** 1984; 84(11):1670-4 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

[The effect of nootropic substances on fluctuations in vigilance tonus in postinjury pseudoneurasthenia. EEG study] Strnad P, et al. **Cesk Neurol Neurochir** 1985 Jul; 48(4):235-9 (Eng. Abstr.) (Cze)

[Possibilities of objective characterization of the clinical picture and therapeutic effects in neuroses using the iontophoretic autonomic test with adrenaline and dionine] Buzek B. **Cesk Psychiatr** 1984 Oct;80(5):308-17 (Eng. Abstr.) (Cze)

THERAPY

[Central electroanalgesia in the treatment of patients with neurosis-like conditions] Kulakov AV. **Vrach Delo** 1985 Mar;(3):112-4 (Eng. Abstr.) (Rus)

NEURASTHENIC NEUROSES see **NEURASTHENIA**

NEURENTERIC CYST see **NEURAL TUBE DEFECTS**

NEURILEMMA

DRUG EFFECTS

Na channel activation gate modulates slow recovery from use-dependent block by local anesthetics in squid giant axons. Yeh JZ, et al. **Biophys J** 1985 May;47(5):685-94

METABOLISM

Effect of internal and external K + on Na + -Ca2 + exchange in dialyzed squid axons under voltage clamp conditions. DiPolo R, et al. **Biochim Biophys Acta** 1984 Oct 3; 776(2):313-6

PHYSIOLOGY

Effects of chemical modification of carboxyl groups on the voltage-clamped nerve fiber of the frog. Rack M, et al. **J Membr Biol** 1984;82(1):41-8

Substance P raises neuronal membrane excitability by reducing inward rectification. Stanfield PR, et al. **Nature** 1985 Jun 6-12;315(6019):498-501

A 'convertible pore' model of neural membrane conductance. Wooldridge DE. **Proc Natl Acad Sci USA** 1984 Nov; 81(22):7238-42

NEURILEMMOMA

Benign schwannoma. Clinical and histopathologic findings. Hennessee MT, et al. **J Am Podiatr Med Assoc** 1985 Jun; 75(6):310-4

Neurilemmoma of ethmoidal sinuses: a case report. Cutchavaree A, et al. **J Med Assoc Thai** 1984 Oct; 67(10):565-9

Intrathoracic vagus nerve tumors: a report of two cases and review of the literature. Besznyák I, et al. **J Thorac Cardiovasc Surg** 1985 Mar;89(3):462-5

[A case of giant neurinoma of the mediastinum] Fornaciari G, et al. **G Clin Med** 1985 Mar-Apr;66(3-4):83-8 (Eng. Abstr.) (Ita)

ANALYSIS

Solitary pelvic neural tumors with high steroid receptor content. Chetkowski R, et al. **Gynecol Oncol** 1985 Jan; 20(1):43-52

Biochemical study on gangliosides in neurofibromas and neurofibrosarcomas of Recklinghausen's disease. Tsuchida T, et al. **J Dermatol (Tokyo)** 1984 Apr;11(2):129-38

BLOOD SUPPLY

Acoustic and spinal neurilemmomas: a study of vascular pattern. Abhyankar SC, et al. **J Postgrad Med** 1984 Apr; 30(2):101-4

COMPLICATIONS

Compression neuropathy secondary to neurilemoma. Brietstein RJ. **J Am Podiatr Med Assoc** 1985 Mar; 75(3):160-1

Facial paralysis in a child due to facial nerve neurilemmoma. Sengupta P, et al. **J Indian Med Assoc** 1984 Nov; 82(11):404-5, 411

Subarachnoid hemorrhage due to a spinal neurinoma. De Divitiis E, et al. **Surg Neurol** 1985 Aug;24(2):187-90

Spinal subdural hematoma, neurilemmoma, and acute transverse myelopathy. Smith RA. **Surg Neurol** 1985 Apr; 23(4):367-70

Urologic manifestations of von Recklinghausen neurofibromatosis. Blum MD, et al. **Urology** 1985 Sep; 26(3):209-17 (76 ref.)

DIAGNOSIS

Neurilemoma of the eyelid resembling a recurrent chalazion. Shields JA, et al. **Arch Ophthalmol** 1984 Nov;102(11):1650

Assessment and treatment of neurogenic and non-neurogenic tumors of the parapharyngeal space. Ferlito A, et al. **Head Neck Surg** 1984 Oct;7(1):32-43

Nerve tumours in the upper limb. A clinical review. Holdsworth BJ. **J Hand Surg [Br]** 1985 Jun;10(2):236-8

Ultrasound evaluation of benign sciatic nerve sheath tumors. Hoddick WK, et al. **J Ultrasound Med** 1984 Nov; 3(11):505-7

Schwannomas of the jugular foramen. Horn KL, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):761-5

Cervicomedullary junction tumor diagnosed by nuclear magnetic resonance scanning: case report. Kaufman BA, et al. **Neurosurgery** 1984 Dec;15(6):878-80

Benign neurilemmoma in the posterior soft tissues of the right thigh. Case report 325. Nichols J, et al. **Skeletal Radiol** 1985;14(2):136-40

Intrapetrous neurinomas of the facial nerve. Report of three cases. Murata T, et al. **Surg Neurol** 1985 May;23(5):507-12

Neurilemomas of the cauda equina presenting as prolapsed lumbar intervertebral disks. Nayernouri T. **Surg Neurol** 1985 Feb;23(2):187-8

Neurinoma of the oculomotor nerve. Okamoto S, et al. **Surg Neurol** 1985 Sep;24(3):275-8

[Solitary malignant schwannoma] Kay L, et al. **Ugeskr Laeger** 1984 Sep 10;146(37):2786 (Eng. Abstr.) (Dan)

[Neurilemmoma of the small intestine] Knudsen JT, et al. **Ugeskr Laeger** 1985 Mar 4;147(10):864 (Eng. Abstr.) (Dan)

[Neurologic tumors of the small intestine. Review of the literature apropos of 6 personal cases] Bruneton JN, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 Mar-Apr; 20(2):79-84 (Eng. Abstr.) (Fre)

[Echographic and angiographic aspect of an unusual abdominal tumor. Neurinoma of the lesser omentum] Sellami M, et al. **Ann Radiol (Paris)** 1984 Nov;27(7):614-6 (Eng. Abstr.) (Fre)

[Neurinoma of the abdominal pneumogastric nerve. Apropos of a case] Rignault D, et al. **Chirurgie** 1984;110(4):452-4 (Eng. Abstr.) (Fre)

[Multiple neurinomas of the facial nerve: considerations on a case and review of the literature] Casolino D, et al. **Acta Otorhinolaryngol Ital** 1984 Jan-Feb;4(1):93-103 (Eng. Abstr.) (Ita)

[Peripheral schwannomas: a case report] Feliciotti F, et al. **Chir Ital** 1982 Jun;34(3):393-403 (Eng. Abstr.) (Ita)

[A case of neurinoma of the posterior tibial nerve] Trentani C, et al. **Chir Organi Mov** 1982-83;68(4-6):811-4 (Eng. Abstr.) (Ita)

[Intrathoracic malignant schwannoma. Apropos of a case] Pischedda F, et al. **Minerva Chir** 1985 Jun 30;40(12):889-96 (Eng. Abstr.) (Ita)

[A rare case of malignant schwannoma of the stomach] Galea S, et al. **Radiol Med (Torino)** 1984 Jun;70(6):416-7 (Ita)

[Trigeminal neurinoma presenting abducens nerve palsy as initial symptom: a report of two cases] Katoh M, et al. **No Shinkei Geka** 1985 May;13(5):555-60 (Eng. Abstr.) (Jpn)

[Schwannoma of the nasal cavity] Gajewska M. **Otolaryngol Pol** 1984;38(3):253-5 (Eng. Abstr.) (Pol)

[Neurinoma of the root of the tongue] Bitiutskiĭ PG, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):84-5 (Rus)

ENZYMOLOGY

[Changes in arginase activity during neurinoma growth] Navasardiants DG, et al. **Biull Eksp Biol Med** 1985 Aug; 100(8):230-1 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Genetics of susceptibility of rats to trigeminal schwannomas induced by neonatal administration of N-ethyl-N-nitrosourea. Naito M, et al. **JNCI** 1985 Jan; 74(1):241-5

METABOLISM

Melanotic schwannoma: a case report. Di Gregorio C, et al. **Appl Pathol** 1984;2(2):110-5

MICROBIOLOGY

In vivo and in vitro models of demyelinating disease X. A Schwannoma-L-2 somatic cell hybrid persistently yielding high titres of mouse hepatitis virus strain JHM. Coulter-Mackie MB, et al. **Virus Res** 1984 Sep;1(6):477-87

PATHOLOGY

Aspiration cytology of solitary schwannoma. Neifer R, et al. **Acta Cytol (Baltimore)** 1985 Jan-Feb;29(1):12-4

Malignant schwannoma of the tongue. Report of a case and review of the literature. Piatelli A, et al. **Acta Stomatol Belg** 1984 Nov;81(3):213-25

Neurinomas of the trigeminal nerve. Nager GT. **Am J Otolaryngol** 1984 Sep-Oct;5(5):301-33

Pathologic quiz case 2: Cervical neurilemmoma (schwannoma). Barat M, et al. **Arch Otolaryngol** 1985 Apr; 111(4):276-7, 279

Malignant 'Triton' tumors. Natural history and immunohistochemistry of nine new cases with literature review. Brooks J[illegible]t al. **Cancer** 1985 Jun 1;55(11):2543-9

Malignant epithelioid schwannoma arising in a benign schwannoma. A case report. Yousem SA, et al. **Cancer** 1985 Jun 15;55(12):2799-803

Sarcomas--a clinicopathological guide with particular reference to cutaneous manifestation. II. Malignant nerve sheath tumour, leiomyosarcoma and rhabdomyosarcoma. Fletcher CD, et al. **Clin Exp Dermatol** 1985 May; 10(3):201-16 (65 ref.)

Mitotic activity of schwannomas. Pesce CM, et al. **Clin Neuropathol** 1984 Jul-Aug;3(4):153-4

Malignant schwannoma of the mediastinum (a case report). Verma RN, et al. **Indian J Cancer** 1984 Jul-Aug;21(3):110-2

Gastrointestinal neurofibromatosis. Petersen JM, et al. **J Clin Gastroenterol** 1984 Dec;6(6):529-34

Unusual sites of schwannoma in the head and neck. Samet A, et al. **J Laryngol Otol** 1985 May;99(5):523-8

Parapharyngeal neurogenic tumors: nine-year experience. Cutchavaree A, et al. **J Med Assoc Thai** 1984 Jun; 67(6):350-5

Parapharyngeal combined neurilemmoma and hemangioma. Kasantikul V, et al. **J Med Assoc Thai** 1984 Jul;67(7):432-6

Solitary multilobular schwannoma of the oral cavity. Barbosa J, et al. **J Oral Med** 1984 Oct-Dec;39(4):232-5

Peripheral schwannoma of the mandible. Sastry KA, et al. **J Oral Med** 1985 Apr-Jun;40(2):98-100

Benign retroperitoneal neurilemoma without von Recklinghausen's disease: a rare occurrence. Steers WD, et al. **J Urol** 1985 May;133(5):846-8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 37-1985. A 69-year-old man with gastrointestinal bleeding and an abnormal Meckel scan. **N Engl J Med** 1985 Sep 12;313(11):680-8

Atypical central neurilemmoma of the mandible. Murphy J, et al. **Oral Surg Oral Med Oral Pathol** 1985 Mar;59(3):275-8

Neurilemmoma of the chorda tympani nerve. Wiet RJ, et al. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):119-21

Case report 275. Neurilemmoma right foot. Galuten A, et al. **Skeletal Radiol** 1984;12(2):129-32

Glial fibrillary acidic protein (GFAP) immunoreactivity in peripheral nerve sheath tumors. Memoli VA, et al. **Ultrastruct Pathol** 1984;7(4):269-75

Primary intrascrotal nontesticular schwannoma. Arciola AJ, et al. **Urology** 1985 Sep;26(3):304-6

[Cervicofacial schwannomas] Ditmarová J, et al. **Cesk Otolaryngol** 1984 Jul;33(4):248-50 (Eng. Abstr.) (Cze)

[Sarcomas of nervous origin] Leroy JP, et al. **Arch Anat Cytol Pathol** 1984;32(6):333-8 (Eng. Abstr.) (Fre)

[Radicular and truncal neurinoma of the spinal accessory nerve. 3 cases] Lesoin F, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):455-61 (Eng. Abstr.) (Fre)

[Stomach neurinoma] Winter J, et al. **Leber Magen Darm** 1984 Jul;14(4):164-8 (Eng. Abstr.) (Ger)

[A case of gastric neurinoma: a rare cause of digestive hemorrhage] Teodori R, et al. **Chir Ital** 1983 Apr

35(2):234–43 (Eng. Abstr.) (Ita)

[A neurinoma localized first in the popliteal sciatic nerve and later in the median nerve] Venturi R, et al. **Chir Organi Mov** 1982–83;68(4–6):797–810 (Eng. Abstr.) (Ita)

[Malignant schwannoma arising in Recklinghausen's disease--report of 4 cases] Uehara T, et al. **Gan No Rinsho** 1985 Mar;31(3):308–17 (Eng. Abstr.) (Jpn)

[A case of omental malignant schwannoma presenting as a huge abdominal tumor] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Sep;81(9):2053–6 (Jpn)

[An autopsy case of intracranial multiple meningiomas associated with extracranial multiple neurinomas] Watanabe M, et al. **No Shinkei Geka** 1984 Jul;12(8):995–9 (Eng. Abstr.) (Jpn)

[Malignant schwannoma in children. Pathomorphology and clinical epicrisis] Adamek D, et al. **Neuropatol Pol** 1984; 22(2):225–43 (Eng. Abstr.) (Pol)

[Histopathological and clinico-therapeutic aspects of cervicofacial nerve tumors] Dinu C, et al. **Rev Chir [Otorinolaringol]** 1984 Jul–Sep;29(3):161–8 (Eng. Abstr.) (Rum)

[Case of simultaneous tumors of the stomach with differing histogenesis] Geshelin SA. **Klin Khir** 1984 Oct;(10):73–4 (Rus)

[Neurilemmoma of the fibula (a case report)] Luk'ianchenko AB, et al. **Vopr Onkol** 1984;30(11):91–3 (Rus)

RADIOGRAPHY

Solitary cystic schwannoma. Kraal KG, et al. **Chest** 1985 Jul;88(1):117–8

Neurilemmoma of the frontal–ethmoid sinus simulating a mucocele. A case report. Christenbury JD, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):259–63

CT diagnosis of intracranial neurinoma of the hypoglossal nerve. Bettoni L, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):827–8

Thoracic neurilemmoma: case report and review of the world literature. Penkrot RJ, et al. **J Comput Tomogr** 1985 Jan; 9(1):13–5

Accessory nerve neurinoma mimicking a brain stem tumor on angiography: report of a case. Matsushima T, et al. **Neurosurgery** 1985 Jun;16(6):839–42

[Angiography in neurogenic neck tumors] Zyb AF, et al. **Radiol Diagn (Berl)** 1984;25(3):247–54 (Eng. Abstr.) (Ger)

[A case report of retroperitoneal malignant schwannoma] Okamura K, et al. **Hinyokika Kiyo** 1984 Aug;30(8):1045–51 (Eng. Abstr.) (Jpn)

[CT of intrathoracic neurogenic tumors] Ikezoe J, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 May 25; 44(5):677–87 (Eng. Abstr.) (Jpn)

[Computerized tomographic differentiation of mediastinal tumor from tumor of the chest wall] Okada K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jun; 22(6):486-90 (Eng. Abstr.) (Jpn)

[A case of neurilemmoma with prominent cystic change] Yamamoto H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jul;22(7):611–5 (Eng. Abstr.) (Jpn)

[Facial nerve neurinoma--report of 2 cases] Ryu H, et al. **No Shinkei Geka** 1985 Feb;13(2):225–31 (Eng. Abstr.) (Jpn)

[A case of a foramen magnum tumor--value of coronal section in metrizamide myelography] Kudo H, et al. **Rinsho Hoshasen** 1984 May;29(5):599–601 (Eng. Abstr.) (Jpn)

SECONDARY

Aspiration biopsy cytology of malignant schwannoma metastatic to the lung. Silverman JF, et al. **Acta Cytol (Baltimore)** 1985 Jan–Feb;29(1):15–8

Malignant schwannoma and follicular thyroid carcinoma associated with von Recklinghausen's disease. Hasegawa M, et al. **J Laryngol Otol** 1984 Oct;98(10):1057–61

SURGERY

Transoral transclival removal of a schwannoma anterior to the craniocervical junction. Case report. Crockard HA, et al. **J Neurosurg** 1985 Feb;62(2):293–5

Transuncodiscal approach to dumbbell tumors of the cervical spinal canal. Hakuba A, et al. **J Neurosurg** 1984 Dec; 61(6):1100–6

Suprasellar recurrence of third nerve neurinoma [letter] Vaquero J, et al. **J Neurosurg** 1985 Feb;62(2):317

Neurinoma of the spinal accessory nerve. A case report. Nishiura I, et al. **Neurochirurgia (Stuttg)** 1984 Sep; 27(5):154–7

Spinal neurinomas--clinical analysis of 45 surgical cases. Hori T, et al. **Neurol Med Chir (Tokyo)** 1984 Jul;24(7):471–7

Extradural and hourglass cervical neurinomas: the vertebral artery problem. George B, et al. **Neurosurgery** 1985 May; 16(5):591–4

[Neurinoma of the pancreas] Veroux G, et al. **Minerva Chir** 1984 Sep 30;39(18):1219–28 (Eng. Abstr.) (Ita)

[A case of surgical treatment for neurilemmoma of the chest wall] Murase K, et al. **Kyobu Geka** 1984 Nov;37(12):968–70 (Eng. Abstr.) (Jpn)

[A case of surgically treated massive mediastinal tumor exhibiting superior mediastinal syndrome] Sato M, et al. **Kyobu Geka** 1985 Apr;38(4):312–5 (Eng. Abstr.) (Jpn)

[Neurinoma with intrasellar extension: a case report] Ishige N, et al. **No Shinkei Geka** 1985 Jan;13(1):79–84 (Eng. Abstr.) (Jpn)

[Surgical treatment of intracavitary tumors of the heart] Petrovskii BV, et al. **Khirurgiia (Mosk)** 1985 Apr;(4):10–7 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Light & electron microscopy of benign peripheral nerve sheath tumors. Verma RN, et al. **Indian J Pathol Microbiol** 1984 Oct;27(4):325–9

Spinal malignant schwannoma in a 5-year-old boy: ultrastructural evidence of its perineurial origin. Mirkin LD, et al. **Pediatr Pathol** 1983 Apr–Jun;1(2):211–9

VETERINARY

Canine malignant melanotic schwannomas: a light and electron microscopic study of two cases. Patnaik AK, et al. **Vet Pathol** 1984 Sep;21(5):483–8

NEURITIS

Acute bilateral sequential vestibular neuritis. Schuknecht HF, et al. **Am J Otolaryngol** 1985 Jul–Aug;6(4):255–7

COMPLICATIONS

Brachial neuritis in salmonellosis. Neundörfer B, et al. **J Neurol** 1984;231(4):198–9

Acute bilateral brachial plexus neuritis associated with hypersensitivity vasculitis. A case report and review of literature. Raz I, et al. **Klin Wochenschr** 1985 Jul 15; 63(14):643–5

[Prevention of post-neuritic facial contracture by electric stimulation] Ishchuk AI, et al. **Vrach Delo** 1985 Jun;(6):82–3 (Eng. Abstr.) (Rus)

DIAGNOSIS

Encephalomyeloneuritis simulating Guillain–Barré syndrome. Brashear HR, et al. **Neurology** 1985 Aug; 35(8):1146–51

Common mononeuropathies. Anderson TL. **Primary Care** 1984 Dec;11(4):643–52

DRUG THERAPY

The outpatient treatment of nerve damage in patients with borderline leprosy using a semi-standardized steroid regimen. Kiran KU, et al. **Lepr Rev** 1985 Jun;56(2):127–34

Combined azathioprine and prednisone in chronic inflammatory–demyelinating polyneuropathy. Dyck PJ, et al. **Neurology** 1985 Aug;35(8):1173–6

[Treatment of primary neuritis of the facial nerve with compresses of dimexide and nicotinic acid] Farber FM. **Zh Nevropatol Psikhiatr** 1984;84(8):1161–3 (Eng. Abstr.) (Rus)

ETIOLOGY

Mononeuritis in acute viral hepatitis. Pelletier G, et al. **Digestion** 1985;32(1):53–6

The triad of neurologic manifestations of Lyme disease: meningitis, cranial neuritis, and radiculoneuritis. Pachner AR, et al. **Neurology** 1985 Jan;35(1):47–53

[Acute neurologic complications of rubella] Debussche–Depriester C, et al. **Rev Neurol (Paris)** 1984; 140(11):665–8 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Susceptibility and resistance to experimental autoimmune encephalomyelitis and neuritis in the guinea pig correlate with the induction of procoagulant and anticoagulant activities. Geczy CL, et al. **J Immunol** 1984 Dec; 133(6):3026–36

METABOLISM

Sequence homology between certain viral proteins and proteins related to encephalomyelitis and neuritis. Jahnke U, et al. **Science** 1985 Jul 19;229(4710):282–4

PATHOLOGY

Sensorimotor perineuritis--an autoimmune disease? Bourque CN, et al. **Can J Neurol Sci** 1985 May;12(2):129–33

PHYSIOPATHOLOGY

Mononeuritis multiplex and eosinophilia in a patient with asthma. Farnam J, et al. **Ann Allergy** 1985 Jul;55(1):14–5, 33–5

Brachial neuritis. Dillin L, et al. **J Bone Joint Surg [Am]** 1985 Jul;67(6):878–83

Vestibular neuronitis: neurotological findings and progress. Matsuo T, et al. **ORL J Otorhinolaryngol Relat Spec** 1985; 47(4):199–206

SURGERY

Effect of epicondylectomy in early ulnar neuritis treated with steroids. Pannikar VK, et al. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):501–5

Neurolysis of the common peroneal nerve in leprosy. A report on 22 patients. Chaise F, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):426–9

[Surgical decompression of neuritis of Hansen's disease] Carayon A, et al. **Acta Leprol (Geneve)** 1985 Jan–Mar; (96):37–66 (Eng. Abstr.) (Fre)

[Surgical decompression of leprous neuritis (letter)] Bourrel P. **Chirurgie** 1984;110(8–9):786–7 (Fre)

THERAPY

[Treatment of pain in acute herpes zoster and post-herpetic neuritis] Bassino P, et al. **Minerva Anestesiol** 1985 Jan–Feb; 51(1–2):45–50 (Eng. Abstr.) (Ita)

[Treatment of patients with primary facial neuritis] Lovzin VS, et al. **Voen Med Zh** 1985 Jan;(1):62–3 (Rus)

[Treatment of facial neuritis patients with decimeter waves] Antropova NM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jul–Aug;(4):33–5 (Eng. Abstr.) (Rus)

[Hyperbaric oxygenation in the treatment of facial neuritis] Litavrin AF, et al. **Zh Nevropatol Psikhiatr** 1985; 85(4):528–31 (Eng. Abstr.) (Rus)

VETERINARY

Equine adenovirus 1 isolated from cauda equina neuritis. Edington N, et al. **Res Vet Sci** 1984 Sep;37(2):252–4

[Neurological disorders caused by equine herpesvirus type 1 and cauda equina neuritis in horses] Sloet van Oldruitenborgh–Oosterbaan MM, et al. **Tijdschr Diergeneeskd** 1984 Dec 15;109(24):1027–35 (47 ref.) (Eng. Abstr.) (Dut)

NEURITIS, EXPERIMENTAL ALLERGIC

DRUG THERAPY

Effects of glucocorticoids on experimental allergic neuritis. King RH, et al. **Exp Neurol** 1985 Jan;87(1):9–19

ETIOLOGY

Experimental allergic neuritis induced in SJL mice by bovine P2. Taylor WA, et al. **J Neuroimmunol** 1985 May; 8(2–3):153–7

IMMUNOLOGY

Chronic experimental allergic neuritis (EAN) in juvenile guinea pigs: immunological comparison with acute EAN in adult guinea pigs. Suzumura A, et al. **Acta Neurol Scand** 1985 May;71(5):364–72

The role of myelin P2 protein in the production of experimental allergic neuritis. Rostami A, et al. **Ann Neurol** 1984 Dec;16(6):680–5

Changes in lymphocyte subsets during the course of experimental allergic neuritis. Brosnan JV, et al. **Brain** 1985 Jun;108 (Pt 2):315–34

Transfer of experimental allergic neuritis with P2-reactive T-cell lines. Rostami A, et al. **Cell Immunol** 1985 Apr 1; 91(2):354–61

Attempts to transfer experimental allergic neuritis with lymphocytes. Brosnan JV, et al. **J Neuroimmunol** 1984 Sep–Oct;6(6):373–85

Dynamics of Ia-expressing cells and T lymphocytes of different subsets during experimental allergic neuritis in Lewis rats. Olsson T, et al. **J Neurol Sci** 1984 Nov–Dec; 66(2–3):141–9

In vivo treatment of rats with monoclonal anti-T-cell antibodies. Immunohistochemical and functional analysis in normal rats and in experimental allergic neuritis. Holmdahl R, et al. **Scand J Immunol** 1985 Aug;22(2):157–69

PATHOLOGY

Autonomic nerves in experimental allergic neuritis in the rat. Morey MK, et al. **Acta Neuropathol (Berl)** 1985; 67(1–2):75–80

Quantitation of mast cells in experimental allergic neuritis. Brosman CF, et al. **J Neuropathol Exp Neurol** 1985 Mar; 44(2):196–203

Morphologic study on experimental allergic neuritis mediated by T cell line specific for bovine P2 protein in Lewis rats. Izumo S, et al. **Lab Invest** 1985 Aug;53(2):209–18

NEUROANATOMY

Accuracy of medical terminology [letter] Sugar O. **Arch Neurol** 1985 Oct;42(10):932–3

Subdivisions of the interpeduncular nucleus: a proposed nomenclature. Lenn NJ, et al. **Brain Res Bull** 1984 Jul; 13(1):203–4

Abstracts of the sixth annual conference of the Hong Kong Society of Neurosciences. Hong Kong, September 6–7, 1984. **Neurosci Lett [Suppl]** 1985;20:S1–52

HISTORY

Freud's contribution to neuroanatomy. Triarhou LC, et al. **Arch Neurol** 1985 Mar;42(3):282–7

The multiple roles of Broca's discovery in the development of the modern neurosciences. Greenblatt SH. **Brain Cogn** 1984 Jul;3(3):249–58

François Moutier or 'From folds to folds'. Lecours AR, et al. **Brain Cogn** 1984 Apr;3(2):198–230

Augusta Dejerine-Klumpke or 'The Lesson in Anatomy'. Lecours AR, et al. **Brain Cogn** 1984 Apr;3(2):166–97

Cerebral localization in 19th century America. Weinstein EA. **Brain Cogn** 1984 Oct;3(4):357–69

[Aristotle and the growth of our knowledge of the nervous system] Abdullaev MS. **Arkh Anat Gistol Embriol** 1984 Sep; 87(9):97–103 **(Rus)**

[Santiago Ramón y Cajal and his role in the development of modern neurobiology (on the 50th anniversary of his death)] Babmindra VP, et al. **Arkh Anat Gistol Embriol** 1985 Feb;88(2):87–92 **(Rus)**

METHODS

Applications of monoclonal antibodies to neuroscience research. Valentino KL, et al. **Annu Rev Neurosci** 1985; 8:199–232 (216 ref.)

Ultrastructure of transganglionic HRP transport in cat trigeminal system. Henry MA, et al. **Brain Res** 1985 May 20;334(2):255–66

A method for specific transmitter identification of retrogradely labeled neurons: immunofluorescence combined with fluorescence tracing. Skirboll L, et al. **Brain Res** 1984 Dec;320(2–3):99–127

Neuroanatomical tracing by use of Phaseolus vulgaris-leucoagglutinin (PHA-L): electron microscopy of PHA-L-filled neuronal somata, dendrites, axons and axon terminals. Wouterlood FG, et al. **Brain Res** 1985 Feb 4; 326(1):188–91

An empirical assessment of stereological formulae applied to the counting of synaptic disks in the cerebral cortex. Colonnier M, et al. **J Comp Neurol** 1985 Jan 8;231(2):175–9

An empirical method for converting nucleolar counts to neuronal numbers. Coggeshall RE, et al. **J Neurosci Methods** 1984 Dec;12(2):125–32

The fan-in projection method for analyzing dendrite and axon systems. Glaser EM, et al. **J Neurosci Methods** 1984 Nov;12(1):37–42

Light microscopic depth measurements of thick sections. Harris RM. **J Neurosci Methods** 1985 Jul;14(2):97–100

Transcardial perfusion fixation of the CNS by means of a compressed-air-driven device. Jonkers BW, et al. **J Neurosci Methods** 1984 Dec;12(2):141–9

Infrared video microscopy to visualize neurons in the in vitro brain slice preparation. MacVicar BA. **J Neurosci Methods** 1984 Dec;12(2):133–9

A new stabilizing agent for the tetramethyl benzidine (TMB) reaction product in the histochemical detection of horseradish peroxidase (HRP). Olucha F, et al. **J Neurosci Methods** 1985 Apr;13(2):131–8

A structured program in BASIC for cell morphometry: its application to the spinal motoneurone. Pullen AH. **J Neurosci Methods** 1984 Dec;12(2):155–78

'Homing' of Lucifer Yellow liposomes into hypothalamic neurons: a combined neuroanatomical Golgi and tracing technique. Thunnissen IE, et al. **J Neurosci Methods** 1984 Dec;12(2):113–23

A simplified cobalt-lysine method for tracing axon trajectories in the central nervous system of vertebrates. Bazer GT, et al. **Neurosci Lett** 1984 Oct 26;51(3):315–8

Use of the fluorescent retrograde tracer, Granular blue, in crustacean motor system studies. Rossi-Durand C, et al. **Neurosci Lett** 1985 Apr 9;55(2):97–102

The effect of previous transection on quantitative estimates of the preganglionic neurones projecting in the cervical sympathetic trunk of the guinea-pig and the cat made by retrograde labelling of damaged axons by horseradish peroxidase. Wesselmann U, et al. **Neuroscience** 1984 Dec; 13(4):1299–309

Computer assisted analysis of HRP labelled and Golgi stained Purkinje neurons. Calvet MC, et al. **Prog Neurobiol** 1984; 23(4):251–72 (89 ref.)

[What methods are currently used in neuroanatomical research?] Dietrichs E. **Tidsskr Nor Laegeforen** 1984 Aug 20;104(23):1537–9 (Eng. Abstr.) **(Nor)**

NEUROBLASTOMA

Current concepts on the biology of neuroblastoma. Berthold F. **Blut** 1985 Feb;50(2):65–74 (58 ref.)

Differentiation characteristics of human neuroblastoma cells in the presence of growth modulators and antimitotic drugs. Gupta M, et al. **Brain Res** 1985 Mar;351(1):21–9

Neuroblastoma. Gulati SC, et al. **Indian J Pediatr** 1983 Nov-Dec;50(407):661–5 (12 ref.)

Cystic neuroblastoma in an infant [clinical conference] St. John-Sutton M, et al. **Med Pediatr Oncol** 1985;13(2):83–5

Ultrastructural features of a human neuroblastoma cell line treated with retinoic acid. Robson JA, et al. **Neuroscience** 1985 Apr;14(4):1149–62

Advances in neuroblastoma research. Proceedings of the Third Symposium on Advances in Neuroblastoma Research. Philadelphia, Pennsylvania, May 1984. **Prog Clin Biol Res** 1985;175:1–605

Status of treatment for neuroblastoma: a gloomy past, possibly a brighter future. Zeltzer PM. **Tex Med** 1985 Feb; 81(2):28–31 (30 ref.)

[Neuroblastoma] De Bernardi B. **Pediatr Med Chir** 1984 Mar-Apr;6(2):229–34 (Eng. Abstr.) **(Ita)**

[rare variant of complex neurocristopathy in a child] Nepomniashchaia KV. **Pediatriia** 1985 Mar;(3):72 **(Rus)**

[Neuroblastoma IV-S. A series of 7 cases] Maciá Martí J, et al. **An Esp Pediatr** 1985 Feb;22(2):137–42 (Eng. Abstr.) **(Spa)**

ANALYSIS

Chemical heterogeneity of heparan sulfate from a human neuroblastoma cell line. Fransson LA, et al. **Acta Chem Scand [B]** 1985;39(4):305–13

Heparan sulfate proteoglycans of human neuroblastoma cells: affinity fractionation on columns of platelet factor-4+. Maresh GA, et al. **Arch Biochem Biophys** 1984 Sep; 233(2):428–37

Identification of the insulin receptor in undifferentiated and differentiated NB-15 mouse neuroblastoma cells by affinity labeling. Rinehart CA Jr, et al. **Biochim Biophys Acta** 1984 Dec 20;802(3):515–21

Detection of ganglioside GD2 in tumor tissues and sera of neuroblastoma patients. Schulz G, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5914–20

Regulation of peripherin in mouse neuroblastoma and rat PC 12 pheochromocytoma cell lines. Portier MM, et al. **Dev Neurosci** 1983–84;6(4–5):215–26

Opiate peptide receptors on intact NIE-115 neuroblastoma: radioligand binding properties, intracellular response, and effects of increasing membrane cholesterol. Rao BG, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):719–23

Neuronal and glial markers in tumours of neuroblastic origin. Carlei F, et al. **Virchows Arch [A]** 1984;404(3):313–24

BLOOD

Ferritin in neuroblastoma. Impact of tumor load and blood transfusions. Potaznik D, et al. **Cancer Invest** 1985; 3(4):327–38

Prognostic importance of serum ferritin in patients with Stages III and IV neuroblastoma: the Childrens Cancer Study Group experience. Hann HW, et al. **Cancer Res** 1985 Jun;45(6):2843–8

Effects of divalent cations on the interaction of platelets with tumor cells: aggregation and perfusion studies with two homologous human systems. Bastida E, et al. **J Lab Clin Med** 1985 Jul;106(1):68–74

Detection of a tumour-associated ganglioside in plasma of patients with neuroblastoma. Ladisch S, et al. **Lancet** 1985 Jan 19;1(8421):136–8

Serum ferritin as a prognostic indicator in neuroblastoma: biological effects of isoferritins. Hann HW, et al. **Prog Clin Biol Res** 1985;175:331–45

Circulating gangliosides as tumor markers. Ladisch S, et al. **Prog Clin Biol Res** 1985;175:277–84

CLASSIFICATION

Will the real neuroblastoma please stand up? [letter] Dehner LP. **Arch Pathol Lab Med** 1985 Sep;109(9):794–5

COMPLICATIONS

Opsomyoclonus and neuroblastoma. Warrier RP, et al. **Clin Pediatr (Phila)** 1985 Jan;24(1):32–4

Neuroblastoma with opsomyoclonus and Turner syndrome. Warrier RP, et al. **Indian J Pediatr** 1984 Sep-Oct; 51(412):603–5

Synchronous neuroblastoma and von Recklinghausen's disease: a review of the literature. Kushner BH, et al. **J Clin Oncol** 1985 Jan;3(1):117–20

Fetal hydantoin syndrome and malignancy [letter] Allen RW Jr, et al. **J Pediatr** 1984 Oct;105(4):681

Occurrence of neuroblastoma and asymmetric crying facies: case report and review of the literature. Lenarsky C, et al. **J Pediatr** 1985 Aug;107(2):268–70

Chylous effusions due to neuroblastoma resolved by intrapleural chlorambucil coupled to father's antibodies. Melino G, et al. **J Pediatr Surg** 1985 Apr;20(2):179–81

The association of neuroblastoma and myoclonic encephalopathy: an imaging approach. Baker ME, et al. **Pediatr Radiol** 1985;15(3):184–90 (26 ref.)

Spinal cord compression in neuroblastoma. Massad M, et al. **Surg Neurol** 1985 Jun;23(6):567–72

Neuroblastoma and cerebellar ataxia. Wang MY. **Tex Med** 1984 Oct;80(10):48–9

[Neurologic manifestations of sympathoblastoma in children] Bunjevački G, et al. **Srp Arh Celok Lek** 1984 Feb; 112(2):173–82 (Eng. Abstr.) **(Scc)**

CONGENITAL

Fetal neuroblastoma and catecholamine-induced maternal hypertension. Newton ER, et al. **Obstet Gynecol** 1985 Mar; 65(3 Suppl):49S–52S

[A case of ruptured congenital neuroblastoma caused by birth injury] Angerpointner TA. **Monatsschr Kinderheilkd** 1985 Apr;133(4):241–2 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Neuroblastoma diagnosed by fine needle aspiration biopsy. Miller TR, et al. **Acta Cytol (Baltimore)** 1985 May-Jun; 29(3):461–8

Neuroblastoma sympathicum. Koutecký J. **Acta Univ Carol [Med Monogr] (Praha)** 1984;106:1–133 (250 ref.)

Magnetic resonance imaging of neuroblastoma with a 0.15-T magnet. Cohen MD, et al. **AJR** 1984 Dec;143(6):1241–8

Tetanus toxin labeling as a novel rapid and highly specific tool in human neuroblastoma differential diagnosis. Berliner P, et al. **Cancer** 1985 Aug 1;56(3):419–23

Management of solid tumors in children. Becton DL, et al. **Compr Ther** 1984 Nov;10(11):58–66

Possible differential diagnosis of neuroblastoma from rhabdomyosarcoma and Ewing's sarcoma by using a panel of monoclonal antibodies. Sugimoto T, et al. **Gann** 1985 Apr;76(4):301–7

Sonographic evaluation of children with urinary retention caused by an extragonadal pelvic mass. Kangarloo H, et al. **Int J Pediatr Nephrol** 1985 Apr-Jun;6(2):137–42

31P nuclear magnetic resonance spectroscopic investigation of human neuroblastoma in situ. Maris JM, et al. **N Engl J Med** 1985 Jun 6;312(23):1500–5

Ultrasound diagnosis of abdomino-pelvic neuroblastoma. De Campo M. **Pediatr Radiol** 1985;15(5):324–8

The nuclear magnetic resonance appearances of neuroblastoma. Smith FW, et al. **Pediatr Radiol** 1985; 15(5):329–32

Abdominal neuroblastoma: magnetic resonance imaging and tissue characterization. Fletcher BD, et al. **Radiology** 1985 Jun;155(3):699–703

Neuroblastoma in an adult. Grubb BP, et al. **South Med J** 1984 Sep;77(9):1180–2

Neuroblastoma in children—an analysis of 32 patients. Chang ML, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Mar; 84(3):415–22

Prenatal diagnosis of neuroblastoma by sonography. Janetschek G, et al. **Urology** 1984 Oct;24(4):397–402

[Neuroblastoma of the head of the pancreas. Apropos of a case in a 2-year-old child] Margueritte G, et al. **Ann Pediatr (Paris)** 1984 Oct 15;31(9):779–81 (Eng. Abstr.) **(Fre)**

[Echotomography in extensive pathology of the renal-adrenal region] Ghigi G, et al. **Radiol Med (Torino)** 1984 Sep;70(9):659–60 **(Ita)**

DRUG THERAPY

Effect of polyprenoic acid (E5166) on a human neuroblastoma cell line in culture. Hasegawa T. **Acta Vitaminol Enzymol** 1984;6(2):109–15

The role of reactive oxygen compounds derived from 6-hydroxydopamine for bone marrow purging from neuroblastoma cells. Bruchelt G, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):168–74

Measurements of in vivo 31P nuclear magnetic resonance spectra in neuroectodermal tumors for the evaluation of the effects of chemotherapy. Naruse S, et al. **Cancer Res** 1985 Jun;45(6):2429–33

Cisplatin, vinblastine, and bleomycin (CVB) therapy for relapsed disseminated neuroblastoma. Bostrom B, et al. **Cancer Treat Rep** 1984 Sep;68(9):1157–8

The action of interferon on growth and differentiation of mouse neuroblastoma cells. Allin EP. **Cell Mol Biol** 1984; 30(4):385–90

Avascular necrosis of bone in neuroblastoma treated with combination chemotherapy. Ishii E, et al. **Eur J Pediatr** 1984 Dec;143(2):152–3

Human neuroblastoma cells and 13-cis-retinoic acid. Helson L, et al. **J Neurooncol** 1985;3(1):39–41

Multiagent chemotherapy for children with advanced neuroblastoma. A comparison of high-dose cyclophosphamide, vincristine and adriamycin therapy with James' therapy plus adriamycin. Hiyoshi Y, et al. **Kurume Med J** 1984;31(1):1–6

Neuroblastomas treated at the four major child oncologic clinics in Denmark 1943–1980: an evaluation of 180 cases. Carlsen NL, et al. **Med Pediatr Oncol** 1985;13(4):180–6

Treatment of childhood neuroblastoma at the Clinic of Pediatric Oncology of the Faculty Hospital in Prague during 1965–1982. Smelhaus V, et al. **Neoplasma** 1984; 31(6):709–17

Tumor differentiation—application of prostaglandins in the treatment of neuroblastoma. Imashuku S, et al. **Prog Clin Biol Res** 1985;175:89–98

Sequential cis-platinum and VM26 in neuroblastoma: laboratory and clinical (CPEC regimen) studies. Pritchard J, et al. **Prog Clin Biol Res** 1985;175:545–55

Inhibition of human neuroblastoma by dopamine antagonists. McGrath PC, et al. **Surgery** 1985 Aug;98(2):135–42

[Intra-aortic PGE1 infusion combined with anti-malignant chemotherapy in the treatment of advanced neuroblastoma] Munakata H, et al. **Gan To Kagaku Ryoho** 1985 Aug; 12(8):1690–3 (Eng. Abstr.) **(Jpn)**

[Effect of cis-platinum in neuroblastoma] Nakadate H, et al. **Gan To Kagaku Ryoho** 1985 Jan;12(1):147–50 (Eng. Abstr.) **(Jpn)**

[Effectiveness of chemotherapy of advanced forms of neuroblastoma in children according to the program of the RWPG] Bożek J, et al. **Pediatr Pol** 1984 Nov;59(11):943–8 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Terminal deoxynucleotidyl transferase positivity in neuroblastoma [letter] O'Meara A, et al. **Acta Haematol (Basel)** 1985;73(2):124–5

A human neuroblastoma cell line with a stable ornithine decarboxylase in vivo and in vitro. Karvonen E, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):96–102

Desensitization of opioid-stimulated GTPase in neuroblastoma x glioma hybrid cells. Vachon L, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1342-9

Turnover of succinyl-CoA:3-oxoacid CoA-transferase in glioma and neuroblastoma cells. Specific influence of acetoacetate in neuroblastoma cells. Haney PM, et al. **Biochem J** 1984 Nov 15;224(1):67-74

Evidence that neutral sphingomyelinase of cultured murine neuroblastoma cells is oriented externally on the plasma membrane. Das DV, et al. **Biochim Biophys Acta** 1984 Nov 7;777(2):339-42

Effects of amino and ammonio derivatives of adenosine on smooth muscle preparations and mouse neuroblastoma adenylate cyclase. Baer HP, et al. **Can J Physiol Pharmacol** 1985 Jan;63(1):58-61

Presence and regulation of tyrosinase activity in human neuroblastoma cell variants in vitro. Ross RA, et al. **Cancer Res** 1985 Apr;45(4):1628-32

Abnormal lactate dehydrogenase isoenzyme in serum and tumor tissue of a patient with neuroblastoma. Otsu N, et al. **Clin Chem** 1985 Feb;31(2):318-20

Changes in inducibility of ornithine decarboxylase activity in differentiating human neuroblastoma cells. Mattsson ME, et al. **Exp Cell Res** 1984 Nov;155(1):105-12

Regulation of acetylcholinesterase activity by retinoic acid in a human neuroblastoma cell line. Sidell N, et al. **Exp Cell Res** 1984 Nov;155(1):305-9

Bioactive gangliosides. IV. Ganglioside GQ1b/Ca2+ dependent protein kinase activity exists in the plasma membrane fraction of neuroblastoma cell line, GOTO. Tsuji S, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):969-72

A human neuroblastoma cell line with an altered ornithine decarboxylase. Pösö H, et al. **J Biol Chem** 1984 Oct 25;259(20):12307-10

Renin and angiotensin-converting enzyme in human neuroblastoma tissue. Mizuno K, et al. **J Neurochem** 1985 Aug;45(2):626-9

Expression of A and B types of monoamine oxidase in differentiated neuroblastoma hybrid cells. Nakano T, et al. **J Neurochem** 1985 Mar;44(3):755-8

AF64A: an active site directed irreversible inhibitor of choline acetyltransferase. Sandberg K, et al. **J Neurochem** 1985 Feb;44(2):439-45

Inhibition of neuroblastoma adenylate cyclase by cannabinoid and nantradol compounds. Howlett AC. **Life Sci** 1984 Oct 22;35(17):1803-10

Cannabinoid inhibition of adenylate cyclase. Biochemistry of the response in neuroblastoma cell membranes. Howlett AC. **Mol Pharmacol** 1985 Apr;27(4):429-36

Cannabinoid inhibition of adenylate cyclase. Pharmacology of the response in neuroblastoma cell membranes. Howlett AC, et al. **Mol Pharmacol** 1984 Nov;26(3):532-8

Prognostic importance of serum neuron specific enolase in local and widespread neuroblastoma. Zeltzer PM, et al. **Prog Clin Biol Res** 1985;175:319-29

Radioimmunoassay development for human neuron-specific enolase: with some clinical results in lung cancers and neuroblastoma. Notomi T, et al. **Tumour Biol** 1985;6(1):57-66

Neuron-specific enolase as a marker for neuroblastoma and small-cell carcinoma of the lung. Påhlman S, et al. **Tumour Biol** 1984;5(2):119-26

Neuron-specific enolase in neuroblastoma and other pediatric tumors: a comparative nude mouse and clinical investigation. Tsuchida Y, et al. **Tumour Biol** 1985;6(1):67-73

ETIOLOGY

Compensatory neoplasia: chronic erythrocytosis and neuroblastic tumors. de la Monte SM, et al. **Theor Med** 1984 Oct;5(3):279-91 (58 ref.)

FAMILIAL & GENETIC

Chromosomal analysis of neuroblastoma. Hafez M, et al. **Br J Cancer** 1985 Feb;51(2):237-43

Tumorigenicity, major histocompatibility antigens, and karyotypes of interspecific hybrids between mouse neuroblastoma and rat glioma or liver cells. Higashida H, et al. **Cancer Genet Cytogenet** 1985 Apr 1;16(3):219-27

Human neuroblastomas and abnormalities of chromosomes 1 and 17. Gilbert F, et al. **Cancer Res** 1984 Nov;44(11):5444-9

Inhibition of human malignant neuroblastoma cell DNA synthesis by lipoxygenase metabolites of arachidonic acid. Werner EJ, et al. **Cancer Res** 1985 Feb;45(2):561-3

Chromosome findings in human neuroblastomas xenografted in nude mice. Kaneko Y, et al. **Gann** 1985 May;76(5):359-64

Monozygotic siblings discordant for neuroblastoma: etiologic implications. Kushner BH, et al. **J Pediatr** 1985 Sep;107(3):405-9

Acute lymphoblastic leukaemia with t(4;11) follows neuroblastoma: a late effect of treatment? Secker-Walker LM, et al. **Med Pediatr Oncol** 1985;13(1):48-50

Expression of the amplified domain in human neuroblastoma cells. Michitsch RW, et al. **Mol Cell Biol** 1984 Nov;4(11):2370-80

Monoclonal antibodies identify a cell-surface antigen associated with an activated cellular oncogene. Drebin JA, et al. **Nature** 1984 Dec 6-12;312(5994):545-8

N-myc amplification in multiple homogeneously staining regions in two human neuroblastomas. Emanuel BS, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3736-40

Differential amplification, assembly, and relocation of multiple DNA sequences in human neuroblastomas and neuroblastoma cell lines. Shiloh Y, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3761-5

Amplification of N-myc sequences in primary human neuroblastomas: correlation with advanced disease stage. Brodeur GM, et al. **Prog Clin Biol Res** 1985;175:105-13

Chromosome abnormalities, gene amplification, and tumor progression. Gilbert F. **Prog Clin Biol Res** 1985;175:151-9 (25 ref.)

HLA-A,B,C and beta 2-microglobulin are expressed weakly by human cells of neuronal origin, but can be induced in neuroblastoma cell lines by interferon. Lampson LA, et al. **Prog Clin Biol Res** 1985;175:379-88

Comparison studies of oncogenes in retinoblastoma and neuroblastoma. Lee WH, et al. **Prog Clin Biol Res** 1985;175:131-9

Studies on the expression of the amplified domain in human neuroblastoma cells. Melera PW, et al. **Prog Clin Biol Res** 1985;175:115-29

Possible relationship of chromosome abnormalities and gene amplification with effects of chemotherapy: a neuroblastoma xenograft study. Tsuchida Y, et al. **Prog Clin Biol Res** 1985;175:171-80

Activated expression of the N-myc gene in human neuroblastomas and related tumors. Kohl NE, et al. **Science** 1984 Dec 14;226(4680):1335-7

[Absence of point mutation in the 12th codon of the c-Ha-rasl transforming genes of human breast and stomach cancer, melanoma and neuroblastoma] Kniazev PG, et al. **Dokl Akad Nauk SSSR** 1985;282(6):1487-9 **(Rus)**

[Identification of the transforming Ha-ras gene in human melanoma, neuroblastoma and breast cancer cells] Kniazev PG, et al. **Vopr Onkol** 1985;31(6):77-85 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Ganglioside GD2 specificity of monoclonal antibodies to human neuroblastoma cell. Saito M, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):1-7

Monoclonal antibodies to a glycolipid antigen on human neuroblastoma cells. Cheung NK, et al. **Cancer Res** 1985 Jun;45(6):2642-9

Altered expression of cell surface membrane antigens in a common acute lymphoblastic leukemia-associated antigen-expressing neuroblastoma cell line (SJ-N-CG) with morphological differentiation. Sugimoto T, et al. **Cancer Res** 1985 Jan;45(1):358-64

Detection of neuroblastoma cells in human bone marrow using a combination of monoclonal antibodies. Jonak ZL, et al. **Hybridoma** 1982;1(4):349-68

Human neuroblastoma cell lines are susceptible to lysis by natural killer cells but not by cytotoxic T lymphocytes. Main EK, et al. **J Immunol** 1985 Jul;135(1):242-6

Antibodies against human neuroblastoma cells in the sera of patients with myasthenia gravis. Müller KM, et al. **J Neuroimmunol** 1984 Dec;7(2-3):97-105

The neu oncogene: an erb-B-related gene encoding a 185,000-Mr tumour antigen. Schechter AL, et al. **Nature** 1984 Dec 6-12;312(5994):513-6

Immunodiagnosis and immunotherapy of childhood malignancies. Bernstein I, et al. **Pediatr Clin North Am** 1985 Jun;32(3):575-99 (143 ref.)

Immunocytochemical investigation of carcinoembryonic antigen expression in neuroblastoma with monoclonal and polyclonal antibodies. Ford CH, et al. **Pediatr Res** 1985 Apr;19(4):385-8

A panel of monoclonal antibodies which discriminate neuroblastoma from Ewing's sarcoma, rhabdomyosarcoma, neuroepithelioma, and hematopoietic malignancies. Donner L, et al. **Prog Clin Biol Res** 1985;175:347-66

Anti-neuroblastoma monoclonal antibodies which do not bind to bone marrow cells. Frantz CN, et al. **Prog Clin Biol Res** 1985;175:485-99

Antibody-complement killing of neuroblastoma cells. Gee AP, et al. **Prog Clin Biol Res** 1985;175:471-83

Modulation of cell surface antigens accompanies morphological differentiation of human neuroblastoma cell lines. Reynolds CP, et al. **Prog Clin Biol Res** 1985;175:13-37

Selection of variant neuroblastoma cell line which has lost cell surface expression of antigen detected by monoclonal antibody PI153/3. Bukovsky J, et al. **Somatic Cell Mol Genet** 1985 Sep;11(5):517-22

[Analysis of tumor antigens and clinical applications of monoclonal antibody (A 2 B 5) for neuroblastoma] Etoh T. **Gan No Rinsho** 1985 Mar;31(3):299-302 (Eng. Abstr.) **(Jpn)**

[Analysis of specific tumor antigens in mice and human neuroblastoma] Etoh T. **Nippon Geka Gakkai Zasshi** 1984 Dec;85(12):1579-85 (Eng. Abstr.) **(Jpn)**

METABOLISM

Adenosine analogues stimulate cyclic AMP-accumulation in cultured neuroblastoma and glioma cells. Elfman L, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Oct;55(4):297-302

Regulation of cyclic GMP levels by neurotensin in neuroblastoma clone N1E115. Amar S, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):117-25

Degradation of substance P by the neuroblastoma cells and their membrane. Endo S, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):694-700

Beta-endorphin: photoaffinity labelling of a non-opioid binding site in a human neuroblastoma. Hammonds RG Jr, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1310-4

Methionine-enkephalin precursor in neuroblastoma x glioma hybrid cells: in vivo and in vitro evidence. Di Marzo V, et al. **Biochem Int** 1984 Sep;9(3):361-7

Opiates and cultured neuroblastoma x glioma cells. Effect on cyclic AMP and polyamine levels and on ornithine decarboxylase and protein kinase activities. Benalal D, et al. **Biochem J** 1985 Apr 15;227(2):389-95

Differences in the reduction kinetics of incorporated spin labels in undifferentiated and differentiated mouse neuroblastoma cells. Chen KY, et al. **Biochim Biophys Acta** 1985 May 30;845(2):189-95

Heterogeneity of cell-associated and secretory heparan sulphate proteoglycans produced by cultured human neuroblastoma cells. Hampson IN, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):306-13

The uptake of alpha-foetoprotein by C-1300 mouse neuroblastoma cells. Hajeri-Germond M, et al. **Br J Cancer** 1985 Jun;51(6):791-7

Benzodiazepines modulate the A2 adenosine binding sites on 108CC15 neuroblastoma X glioma hybrid cells. Snell CR, et al. **Br J Pharmacol** 1984 Nov;83(3):791-8

5-Hydroxytryptamine-activated single-channel currents recorded from murine neuroblastoma cells. Guharay F, et al. **Brain Res** 1985 Aug 12;340(2):325-32

Differential binding of soybean agglutinin to human neuroblastoma cell lines: potential application to autologous bone marrow transplantation. Reisner Y, et al. **Cancer Res** 1985 Sep;45(9):4026-31

Nerve-cell-specific proteins in teratocarcinoma-derived neuroblastomas and embryonic brain. Blüthmann H. **Cell Differ** 1984 Dec;15(2-4):169-73

Regulatory peptides in neuronal neoplasms of the central nervous system. Giangaspero F, et al. **Clin Neuropathol** 1985 May-Jun;4(3):111-5

Interaction between sodium channels in mouse neuroblastoma cells. Kiss T, et al. **Eur Biophys J** 1985;12(1):13-8

Evidence for a Ca2+-independent hydrolysis of phosphatidylinositol 4,5-bisphosphate in neuron-like cell line NG108-15 cells. Yano K, et al. **FEBS Lett** 1985 Apr 22;183(2):235-9

Bradykinin-induced transient accumulation of inositol trisphosphate in neuron-like cell line NG108-15 cells. Yano K, et al. **FEBS Lett** 1985 Feb 25;181(2):403-6

Sodium and calcium currents in neuroblastoma x glioma hybrid cells before and after morphological differentiation by dibutyryl cyclic AMP. Bodewei R, et al. **Gen Physiol Biophys** 1985 Apr;4(2):113-27

A kinetic analysis of the inward calcium current in 108CC15 neuroblastoma x glioma hybrid cells. Hering S, et al. **Gen Physiol Biophys** 1985 Apr;4(2):129-41

Prognostic subgroups for undifferentiated neuroblastoma: immunohistochemical study with anti-S-100 protein antibody. Shimada H, et al. **Hum Pathol** 1985 May;16(5):471-6

An intracellular (ATP + Mg2+)-dependent calcium pump within the N1E-115 neuronal cell line. Gill DL, et al. **J Biol Chem** 1985 Aug 5;260(16):9289-97

Characterization of a glutamic acid neurotransmitter binding site on neuroblastoma hybrid cells. Malouf AT, et al. **J Biol Chem** 1984 Oct 25;259(20):12756-62

Agonists and cations regulate the glutamic acid receptors on intact neuroblastoma hybrid cells. Malouf AT, et al. **J Biol Chem** 1984 Oct 25;259(20):12763-8

Tumor-specific, hypomodified phenylalanyl-tRNA is utilized in translation in preference to the fully modified isoacceptor of normal cells. Smith DW, et al. **J Biol Chem** 1985 Jan 10;260(1):147-51

A polymer-dependent increase in phosphorylation of beta-tubulin accompanies differentiation of a mouse neuroblastoma cell line. Gard DL, et al. **J Cell Biol** 1985 Mar;100(3):764-74

Forskolin induction of S-100 protein in glioma and hybrid cells. Higashida H, et al. **J Cell Physiol** 1985 Jan;122(1):39-44

Effect of dihydroergocristine on energy metabolism studied in the isolated perfused rat brain affected by ischemia and in neuroblastoma cells deprived of oxygen and glucose. Rachman A, et al. **J Cereb Blood Flow Metab** 1984 Dec;4(4):610-4

Glucocorticoids potentiate the prostaglandin E1-mediated cyclic AMP formation by a cultured murine neuroblastoma clone. Forray C, et al. **J Neurochem** 1985 Jul;45(1):79-85

Influence of delta-opioid receptors on production of labeled methionine5-enkephalin in murine neuroblastoma cells. Gilbert JA, et al. **J Neurochem** 1985 Mar;44(3):922-8

Comparative studies of the binding of dimeric and monomeric enkephalins to neuroblastoma-glioma NG108-15 cells. Krumins SA, et al. **J Neurochem** 1985 Jul;45(1):101-7

Catabolism of exogenous and endogenous sphingomyelin and phosphatidylcholine by homogenates and subcellular fractions of cultured neuroblastoma cells. Effects of anesthetics. Mooibroek MJ, et al. J **Neurochem** 1985 May;44(5):1551-8

5-Hydroxytryptamine uptake and imipramine binding sites in neurotumor NCB-20 cells. Nakaki T, et al. **J Neurochem** 1985 Sep;45(3):920-5

Bradykinin receptor-mediated cyclic GMP formation in a nerve cell population (murine neuroblastoma clone

NEWARK PUBLIC LIBRARY

N1E-115). Snider RM, et al. **J Neurochem** 1984 Dec;43(6):1749-54
Collagen biosynthesis in human neuroblastoma cell lines: evidence for expression of glial cell properties. DeClerck YA, et al. **JNCI** 1985 Sep;75(3):431-9
Observations of energy metabolism in neuroectodermal tumors using in vivo 31P-NMR. Naruse S, et al. **Magn Reson Imaging** 1985;3(2):117-23
Laminin and fibronectin in normal and malignant neuroectodermal cells. Liesi P. **Med Biol** 1984;62(3):163-80 (136 ref.)
Muscarinic responses and binding in a murine neuroblastoma clone (N1E-115). Selective loss with subculturing of the low-affinity agonist site mediating cyclic GMP formation. McKinney M, et al. **Mol Pharmacol** 1984 Sep;26(2):156-63
Studies on the turnover and subcellular localization of membrane gangliosides in cultured neuroblastoma cells. Clarke JT, et al. **Neurochem Res** 1985 Mar;10(3):427-38
beta-Endorphin in neuroblastoma x glioma hybrid cells. Di Marzo V, et al. **Neuropeptides** 1985 Mar;6(1):53-7
Growth stage-related synthesis and secretion of proteins by human neuroblastoma cells and their variants. Biedler JL, et al. **Prog Clin Biol Res** 1985;175:209-21
Collagen synthesis by human neuroblastoma cells. DeClerck YA, et al. **Prog Clin Biol Res** 1985;175:239-47
Heterogeneity of proteoglycans from tissue cultured human neuroblastoma cells. Hampson I, et al. **Prog Clin Biol Res** 1985;175:223-7
Analysis of neuroblastoma cell proteins using two-dimensional electrophoresis. Hanash SM, et al. **Prog Clin Biol Res** 1985;175:261-8
[Determination of acetylcholine by inhibition of the specific binding of tritiated cis-methyldioxolane: application to the study of the effects of acetylcholine accumulation in a murine neuroblastoma culture] Blanchet G, et al. **C R Soc Biol (Paris)** 1984;178(5):526-34 (Eng. Abstr.) **(Fre)**
[Changes in the lipid composition of murine neuroblastoma C 1300 cells during the process of differentiation] Gulaia NM, et al. **Ukr Biokhim Zh** 1984 Nov-Dec;56(6):677-81 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Effects of in vitro infection of mouse glial and neuroblastoma cells with the scrapie agent. Markovits P, et al. **Ann Rech Vet** 1985;16(1):111-9
Comparative studies of rabies and Sindbis virus replication in human neuroblastoma (SYM-I) cells that can produce interferon. Honda Y, et al. **J Gen Virol** 1984 Oct;65 (Pt 10):1645-53

MORTALITY

Age and prognosis in neuroblastoma. Review of 112 patients younger than 2 years. Jereb B, et al. **Am J Pediatr Hematol Oncol** 1984 Fall;6(3):233-43
Neuroblastoma: case-control analysis of birth characteristics. Johnson CC, et al. **JNCI** 1985 Apr;74(4):789-92

OCCURRENCE

Neuroblastoma and paternal occupation. A case-control analysis. Spitz MR, et al. **Am J Epidemiol** 1985 Jun;121(6):924-9
VMA mass screening program of neuroblastoma for infants in Nagoya City, Japan. Kodama K, et al. **Am J Public Health** 1985 Feb;75(2):173-5
Screening for neuroblastoma [letter] Pastore G, et al. **Lancet** 1984 Sep 29;2(8405):752

PATHOLOGY

Primary neuroblastoma of the nasal cavity and review of literature. Hirano T, et al. **Acta Pathol Jpn** 1985 Jan;35(1):183-91
The neuroectodermal tumor of bone. Jaffe R, et al. **Am J Surg Pathol** 1984 Dec;8(12):885-98
Neuroblastoma in adults. Pathologic findings and clinical outcome. Aleshire SL, et al. **Arch Pathol Lab Med** 1985 Apr;109(4):352-6
Retinoic acid treatment of human neuroblastoma cells is associated with decreased N-myc expression. Amatruda TT 3d, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1189-95
The radiosensitivity of human neuroblastoma cells estimated from regrowth curves of multicellular tumour spheroids. Wheldon TE, et al. **Br J Radiol** 1985 Jul;58(691):661-4
Mixed olfactory neuroblastoma and carcinoma. A report of two cases. Miller DC, et al. **Cancer** 1984 Nov 1;54(9):2019-28
Bone marrow necrosis in children with malignant disease. Pui CH, et al. **Cancer** 1985 Oct 1;56(7):1522-5
Metachronous bilateral adrenal neuroblastoma. Suzuki H, et al. **Cancer** 1985 Sep 15;56(6):1490-2
Composite cerebral neuroblastoma and astrocytoma. A mixed central neuroepithelial tumor. Tang TT, et al. **Cancer** 1985 Sep 15;56(6):1404-12
Cytokinetics of a human neuroblastoma cell line following treatment with dianhydrogalactitol. Sordillo PP, et al. **Cancer Invest** 1985;3(4):321-5
Cell killing and sensitization to heat shock by hypothermic incubation of asynchronous and synchronized mouse neuroblastoma cells. van Dongen G, et al. **Cancer Res** 1985 Sep;45(9):4132-7
Persistent viral infection affects tumorigenicity of a neuroblastoma cell line. Schattner A, et al. **Cell Immunol** 1985 Jan;90(1):103-14
Unusual malignant neuroectodermal tumours of the ovary--case report and literature review. Burke M, et al. **Histopathology** 1984 Nov;8(6):1059-67
Differentiated cerebral neuroblastoma: a tumor in need of discovery. Wilson AJ, et al. **Hum Pathol** 1985 Jun;16(6):647-9
Effects of dl-alpha-tocopheryl succinate in combination with sodium butyrate and cAMP stimulating agent on neuroblastoma cells in culture. Rama BN, et al. **Int J Cancer** 1984 Dec 15;34(6):863-7
Effects of antimycin, glucose deprivation, and serum on cultures of neurons, astrocytes, and neuroblastoma cells. Pauwels PJ, et al. **J Neurochem** 1985 Jan;44(1):143-8
Dimethyl sulfoxide-induced differentiation does not alter tumorigenicity of neuroblastoma cells. Danon YL, et al. **J Neurooncol** 1985;3(1):43-51
Conus ganglioglioma in a 2 1/2-year-old boy. Case report. Wald U, et al. **J Neurosurg** 1985 Jan;62(1):142-4
Small cell tumours in childhood: a review. Variend S. **J Pathol** 1985 Jan;145(1):1-25 (134 ref.)
Experimental study on the growth and proliferation kinetics of residual tumor after surgery in mouse neuroblastoma. Ogita S, et al. **J Pediatr Surg** 1985 Jun;20(3):224-7
Regulation of muscarinic cholinergic receptor density in neuroblastoma cells by brief exposure to agonist: possible involvement in desensitization of receptor function. Feigenbaum P, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):134-40
On the application of cultured neuroblastoma cells in chemical toxicity screening. Walum E, et al. **J Toxicol Environ Health** 1984;13(4-6):511-20
Comparison of stage IV and IV-S neuroblastoma in the first year of life. Nickerson HJ, et al. **Med Pediatr Oncol** 1985;13(5):261-8
Stage IV-N: a favorable subset of children with metastatic neuroblastoma. Rosen EM, et al. **Med Pediatr Oncol** 1985;13(4):194-8
Culture and characteristics of hormone-responsive neuroblastoma X glioma hybrid cells. Hamprecht B, et al. **Methods Enzymol** 1985;109:316-41
Opioids alter tumor cell growth and differentiation in vitro. Zagon IS, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:344-50
Intraventricular primary cerebral neuroblastoma in adults: report of three cases. Pearl GS, et al. **Neurosurgery** 1985 Jun;16(6):847-9
Effect of unilateral nephrectomy on tumor growth of the murine renal cell adenocarcinoma and neuroblastoma. Murphy GP, et al. **Oncology** 1984;41(6):417-9
Neuroblastoma. López-Ibor B, et al. **Pediatr Clin North Am** 1985 Jun;32(3):755-78 (191 ref.)
Neuronal traits of clonal cell lines derived by fusion of dorsal root ganglia neurons with neuroblastoma cells. Platika D, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3499-503
The neurula stage mouse embryo in control of neuroblastoma. Podesta AH, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7608-11
Preliminary studies of agglutination of metastatic neuroblastoma by soy bean lectin. Elkins WL. **Prog Clin Biol Res** 1985;175:405-11
Physical cell separation of neuroblastoma cells from bone marrow. Figdor CG, et al. **Prog Clin Biol Res** 1985;175:459-70
Monoclonal antibodies and magnetic microspheres used for the depletion of malignant cells from bone marrow. Kemshead JT, et al. **Prog Clin Biol Res** 1985;175:413-23
The expression of tubulin and various enzyme activities during neuroblastoma differentiation. Littauer UZ, et al. **Prog Clin Biol Res** 1985;175:193-208
Effect of adenosine analogues on the growth and protein carboxylmethyltransferase activity of C-1300 murine neuroblastoma in tissue culture. Mirkin BL, et al. **Prog Clin Biol Res** 1985;175:69-77
Immunohistologic detection and phenotyping of neuroblastoma cells in bone marrow using cytoplasmic neuron specific enolase and cell surface antigens. Moss TJ, et al. **Prog Clin Biol Res** 1985;175:367-78
Sensitive detection of neuroblastoma cells in bone marrow for monitoring the efficacy of marrow purging procedures. Reynolds CP, et al. **Prog Clin Biol Res** 1985;175:425-41
In vitro sensitivity of neuroblastoma cells to antineoplastic drugs by short-term test. Rosanda C, et al. **Prog Clin Biol Res** 1985;175:515-23
Expression of a melanocyte phenotype in human neuroblastoma cells in vitro. Ross RA, et al. **Prog Clin Biol Res** 1985;175:249-59
Depletion of neuroblastoma cells from bone marrow with monoclonal antibodies and magnetic immunobeads. Seeger RC, et al. **Prog Clin Biol Res** 1985;175:443-58
Neuronal, Schwannian and melanocytic differentiation of human neuroblastoma cells in vitro. Tsokos M, et al. **Prog Clin Biol Res** 1985;175:55-68
Impact of alpha fetoprotein in differentiation of human neuroblastoma cells. Uchino J, et al. **Prog Clin Biol Res** 1985;175:79-87
Adult adrenal neuroblastoma with extension into inferior vena cava. Yashiro N, et al. **Radiat Med** 1984 Oct-Dec;2(4):234-6
The radiobiology of human neuroblastoma. Deacon JM, et al. **Radiother Oncol** 1985 Apr;3(3):201-9
Growth and functional behavior neuroblastomas in man and nude mice. Hata J, et al. **Tokai J Exp Clin Med** 1983 Dec;8(5-6):501-12
Distribution of neurofilament protein and neuron-specific enolase in peripheral neuronal tumours. Sasaki A, et al. **Virchows Arch [A]** 1985;407(1):33-41
[Primary neuroblastoma of the mandible. Apropos of a case] Antoine P, et al. **Rev Stomatol Chir Maxillofac** 1984;85(4):314-9 (Eng. Abstr.) **(Fre)**
[Neuroblastoma--the 2d most frequent malignant tumor in childhood. An overview based on a case report] Albrecht-Nebe H, et al. **Dermatol Monatsschr** 1984;170(9):589-97 (Eng. Abstr.) **(Ger)**
[Long-term survival following neuroblastoma stage IV--a case report] Eschenbach C, et al. **Klin Padiatr** 1985 May-Jun;197(3):245-8 (Eng. Abstr.) **(Ger)**
[Juvenile malignant neuroectodermal tumors of the lung] Dini S, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2-3):121-8 **(Ita)**
[Stage IV-S neuroblastoma] Mancini AF. **Pediatr Med Chir** 1984 Mar-Apr;6(2):209-12 (Eng. Abstr.) **(Ita)**
[Effect of changes in the pH of the medium on neuroblastoma cell differentiation in culture] Pogorelaia NKh, et al. **Neirofiziologiia** 1984;16(6):842-5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Membrane resting potentials in cultured mouse neuroblastoma cells. Fraeyman N, et al. **Experientia** 1985 Mar 15;41(3):388-90
Use of [3H]triphenylmethylphosphonium cation for estimating membrane potential in neuroblastoma cells. Milligan G, et al. **J Neurochem** 1984 Dec;43(6):1515-21
Voltage clamp analysis of sodium channels in normal and scorpion toxin-resistant neuroblastoma cells. Gonoi T, et al. **J Neurosci** 1984 Nov;4(11):2836-42
Properties of human neuroblastoma cells following induction by retinoic acid. Sidell N, et al. **Prog Clin Biol Res** 1985;175:39-53
[The function of glutamate receptors in the membrane vesicules, proteoliposomes and hybrid cells of the neuroblastoma N18Tg2a] Dambinova SA, et al. **Fiziol Zh SSSR** 1984 Jul;70(7):952-60 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Neonatal neuroblastoma presenting with respiratory distress. Illescas FF, et al. **J Can Assoc Radiol** 1984 Sep;35(3):310-2
Distinguishing neuroblastoma from Wilms tumor by computed tomography. Peretz GS, et al. **J Comput Assist Tomogr** 1985 Sep-Oct;9(5):889-93
Primary cervical neuroblastoma in infants. Smith MC, et al. **J Laryngol Otol** 1985 Feb;99(2):209-14
Radiological features of the neuroectodermal tumours of childhood. Kingsley DP, et al. **Neuroradiology** 1984;26(6):463-7
Neuroblastoma originating from soft tissue at the crus and its radiological feature--a case report. Hirota S, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Oct 20;19(9):2130-7
[Primary neuroblastoma. A new form of median line cerebral calcification] Pidello R, et al. **J Radiol** 1985 Apr;66(4):291-6 (Eng. Abstr.) **(Fre)**
[Computer tomography in primary and secondary tumors of the adrenal glands] Buck J, et al. **Dtsch Med Wochenschr** 1984 Sep 28;109(39):1494-9 **(Ger)**
[Ganglioglioma. Report of two cases] Hatashita S, et al. **Neurol Med Chir (Tokyo)** 1985 Apr;25(4):294-300 (Eng. Abstr.) **(Jpn)**
[CT of intrathoracic neurogenic tumors] Ikezoe J, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 May 25;44(5):677-87 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Total-body scintigraphy with 131I-meta-iodobenzylguanidine for detection of neuroblastoma. Hoefnagel CA, et al. **Diagn Imag Clin Med** 1985;54(1):21-7
Pitfalls in the diagnosis of neuroblastoma by 99mTc-MDP scintigraphy: a case report. Garty I, et al. **Eur J Nucl Med** 1984;9(12):564-5
Coincidence of infectious osteomyelitis and disseminated neuroblastoma: a diagnostic dilemma solved by scintigraphic imaging. Kiess W, et al. **J Cancer Res Clin Oncol** 1985;110(1):85-6
Iodine-131 metaiodobenzylguanidine scintigraphy for the location of neuroblastoma: preliminary experience in ten cases. Geatti O, et al. **J Nucl Med** 1985 Jul;26(7):736-42
Detection of neuroblastoma with 131I-meta-iodobenzylguanidine. Voute PA, et al. **Prog Clin Biol Res** 1985;175:389-98
131I-meta-iodobenzylguanidine scintigraphy of neuroblastomas. Munkner T. **Semin Nucl Med** 1985 Apr;15(2):154-60
[Diagnosis and therapy control of neuroblastoma using meta-iodo- benzylguanidine] Kimmig B, et al. **Dtsch Med Wochenschr** 1985 Feb 1;110(5):175-9 (Eng. Abstr.) **(Ger)**
[Results of scintigraphic studies with

131I-meta-benzylguanidine in space-occupying lesions of neuroectodermal origin] Mahlstedt J, et al. **Nuklearmedizin** 1984 Oct;23(5):257-64 (Eng. Abstr.) **(Ger)**

[Use of 131I-meta-iodobenzylguanidine in pediatric oncology] Treuner J. **Nuklearmedizin** 1985 Feb;24(1):26-8 (Eng. Abstr.) **(Ger)**

[Scintigraphic imaging of benign and malignant tumors of the sympathetic nervous system with meta-iodobenzylguanidine] Kimmig B, et al. **Rontgenblatter** 1985 May;38(5):154-8 (Eng. Abstr.) **(Ger)**

[Scintigraphic diagnosis of neuroblastoma and pheochromocytoma with 131I-meta-iodobenzylguanidine in pediatrics] Mussa GC, et al. **Minerva Pediatr** 1984 Oct 15;36(19):919-22 (Eng. Abstr.) **(Ita)**

[Morphologic and scintigraphic correlations in the cranial localization of neuroblastoma. Study of 29 cases] Lucchi A, et al. **Radiol Med (Torino)** 1984 Sep;70(9):639-40 **(Ita)**

RADIOTHERAPY

Dose response analysis of pediatric neuroblastoma to megavoltage radiation. Jacobson GM, et al. **Am J Clin Oncol** 1984 Dec;7(6):693-7

Stage II neuroblastoma--does adjuvant irradiation contribute to cure? McGuire WA, et al. **Med Pediatr Oncol** 1985; 13(3):117-21

Radiosensitivity of neuroblastoma. Deacon JM, et al. **Prog Clin Biol Res** 1985;175:525-31

Combined treatment with cisplatin and radiation therapy for mouse Cl 300 neuroblastoma. Ishimaru K, et al. **Z Kinderchir** 1985 Feb;40(1):36-9

SECONDARY

Metastatic neuroblastoma and testicular involvement. Kushner BH, et al. **Cancer** 1985 Oct 1;56(7):1730-2

Simultaneous demonstration of photopenic ('cold') and osteoblastic ('hot') skull metastases in a patient with neuroblastoma. Garty I, et al. **Clin Nucl Med** 1985 Jul; 10(7):529

Metastatic neuroblastoma in an infant: translocation (1;11), deletion (2) and double minute chromosomes. Franke F, et al. **Eur J Pediatr** 1985 Mar;143(4):305-8

Metastatic neuroblastoma of the jaws. Newland JR, et al. **J Oral Maxillofac Surg** 1985 Jul;43(7):549-53

Ocular involvement in neuroblastoma: prognostic implications. Musarella MA, et al. **Ophthalmology** 1984 Aug;91(8):936-40

[A case of multiple epidural metastases of neuroblastoma] Murasawa M, et al. **Rinsho Hoshasen** 1985 May; 30(5):609-12 (Eng. Abstr.) **(Jpn)**

[Laparoscopic aspects of neuroblastoma localized in the liver] Herrerias JM, et al. **Rev Esp Enferm Apar Dig** 1984 Oct; 66(4):343-4 (Eng. Abstr.) **(Spa)**

SURGERY

Evaluation of the role of surgery in 130 patients with neuroblastoma. Le Tourneau JN, et al. **J Pediatr Surg** 1985 Jun;20(3):244-9

Surgical complications of neuroblastoma resection. Azizkhan RG, et al. **Surgery** 1985 May;97(5):514-7

An unusual complication following the removal of a neuroblastoma. Crafoord J, et al. **Z Kinderchir** 1984 Dec; 39(6):398-9

[Retrospective study of the course of neuroblastoma since 1970 from the pediatric, pediatric surgical and radiologic viewpoint] Rönisch PS, et al. **Padiatr Grenzgeb** 1984; 23(6):485-90 (Eng. Abstr.) **(Ger)**

THERAPY

Autologous bone marrow transplantation. A maximal therapy design for disseminated neuroblastoma. Helson L. **Am J Pediatr Hematol Oncol** 1985 Spring;7(1):45-50

Rational selection of adjuvant chemotherapy after cytoreduction surgery for murine neuroblastoma. Naito H, et al. **Cancer Res** 1985 Aug;45(8):3554-60

Therapeutic application of a radiolabelled monoclonal antibody in nude mice xenografted with human neuroblastoma: tumoricidal effects and distribution studies. Jones DH, et al. **Int J Cancer** 1985 Jun 15;35(6):715-20

Purged autologous bone marrow transplantation in 25 cases of very poor prognosis neuroblastoma [letter] Philip T, et al. **Lancet** 1985 Mar 9;1(8428):576-7

Development of neuroblastoma monoclonal antibodies for potential utilization in diagnosis and therapy. Cheung NK, et al. **Prog Clin Biol Res** 1985;175:501-5

Metastatic neuroblastoma managed by supralethal therapy and bone marrow reconstitution (BMRc). Results of a four-institution Children's Cancer Study Group pilot study. D'Angio GJ, et al. **Prog Clin Biol Res** 1985;175:557-63

Treatment of advanced neuroblastoma with two consecutive high-dose chemotherapy regimens and ABMT. Hartmann O, et al. **Prog Clin Biol Res** 1985;175:565-8

Therapeutic application of radiolabelled monoclonal antibody UJ13A in children with disseminated neuroblastoma--a phase 1 study. Kemshead JT, et al. **Prog Clin Biol Res** 1985;175:533-44

Autologous bone marrow transplantation for very bad prognosis neuroblastoma. Philip T, et al. **Prog Clin Biol Res** 1985;175:569-86

Improved survival in neuroblastoma using multimodality therapy. Rosen EM, et al. **Radiother Oncol** 1984 Oct; 2(3):189-200

[Intensive chemotherapy followed by autologous bone marrow transplantation in solid tumors in childhood] de Kraker J, et al. **Ned Tijdschr Geneeskd** 1984 Dec 8; 128(49):2302-5 (Eng. Abstr.) **(Dut)**

[Allogeneic bone marrow transplantation in a child with a stage IV neuroblastoma] Bordigoni P, et al. **Ann Pediatr (Paris)** 1984 Oct 15;31(9):787-90 (Eng. Abstr.) **(Fre)**

[Drug targeting with allogeneic IgG in patients with disseminated neuroblastoma] Melino G, et al. **Clin Ter** 1984 Aug 15;110(3):203-8 (Eng. Abstr.) **(Ita)**

[Evaluation of the methods of treatment of children with liver neoplasms] Czerwiński W. **Probl Med Wieku Rozwoj** 1984;13:117-33 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Rapid isolation of neuroblastoma plasma membranes on Percoll gradients. Characterization and lipid composition. Chakravarthy BR, et al. **Biochim Biophys Acta** 1985 Jan 10;812(1):223-33

Neurite outgrowth of neuroblastoma cells induced by proteins covalently coupled to glass coverslips. Jousimaa J, et al. **Eur J Cell Biol** 1984 Sep;35(1):55-61

Neurite extension by neuroblastoma cells on substratum-bound fibronectin's cell-binding fragment but not on the heparan sulfate-binding protein, platelet factor-4. Tobey SL, et al. **Exp Cell Res** 1985 Jun; 158(2):395-412

Decreased expression of N-myc precedes retinoic acid-induced morphological differentiation of human neuroblastoma. Thiele CJ, et al. **Nature** 1985 Jan 31-Feb 6;313(6001):404-6

URINE

Increased urinary excretion of m-octopamine in neuroblastoma. Ibrahim KE, et al. **Biochem Med** 1985 Feb; 33(1):53-9

Cystathioninuria in patients with neuroblastoma or ganglioneuroblastoma. Its correlation to vanilmandelic acid excretion and its value in diagnosis and therapy. Geiser CF, et al. **Cancer** 1968 Oct;22(4):856-60

Assessment of the diurnal variations in urinary homovanillic and vanillylmandelic acid excretion for the diagnosis and follow-up of patients with neuroblastoma. Tuchman M, et al. **Clin Biochem** 1985 Jun;18(3):176-9

'Total' acidic metabolites of catecholamines in urine as determined by hydrolysis with hydriodic acid and liquid chromatography: application to patients with neuroblastoma and melanoma. Ito S, et al. **Clin Chem** 1985 Jul;31(7):1185-8

Direct determination of urinary vanillylmandelic acid and homovanillic acid by high-performance liquid chromatography on an anion-exchange column. Kodama K, et al. **J Chromatogr** 1984 Nov 28;311(2):369-74

Value of random urinary homovanillic acid and vanillylmandelic acid levels in the diagnosis and management of patients with neuroblastoma: comparison with 24-hour urine collections. Tuchman M, et al. **Pediatrics** 1985 Feb;75(2):324-8

VETERINARY

Malignant neuroblastoma in a cow. Haynes JS, et al. **Vet Pathol** 1984 Nov;21(6):610-2

NEUROCHEMISTRY

Abstracts of communication of the Japanese Neurochemical Society. Osaka, November 14-16, 1983. **Neurochem Res** 1984 Aug;9(8):1117-78

Abstracts of the sixth annual conference of the Hong Kong Society of Neurosciences. Hong Kong, September 6-7, 1984. **Neurosci Lett [Suppl]** 1985;20:S1-52

HISTORY

In the beginning: to celebrate 20 years of the International Society for Neurochemistry (ISN). McIlwain H. **J Neurochem** 1985 Jul;45(1):1-10

Assay-guided isolation of naturally-occurring neuroactive substances. McIlwain H. **Psychol Med** 1985 Feb;15(1):15-26

INSTRUMENTATION

Rat brain slicer. A simple device for rapidly obtaining serial slabs of fresh brain. Henry JL, et al. **Brain Res Bull** 1984 Jul;13(1):195-7

Continuous measurement of pentylenetetrazol concentration by a liquid ion exchanger microelectrode. Walden J, et al. **J Neurosci Methods** 1984 Aug;11(3):187-92

METHODS

Maintenance of regional chemical integrity for energy metabolites in microwave heat inactivated mouse brain. McCandless DW, et al. **Brain Res Bull** 1984 Aug; 13(2):253-5

[A new tool in neurochemistry--quantitative autoradiography of receptors] Skangiel-Kramska J. **Postepy Biochem** 1983;29(3-4):393-5 **(Pol)**

NEUROCIRCULATORY ASTHENIA

BLOOD

[The blood lipogram in neurocirculatory asthenia of the cardiac type] Volkov VS, et al. **Vrach Delo** 1985 Apr; (4):31-4 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Hemo- and neurodynamics of the human brain during exposure to moderate hypoxic hypoxia] Alekseev DA, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):81-6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Soldier's heart [letter] Rudzki SJ. **Med J Aust** 1984 Nov 24; 141(11):766-7

[Diagnostic evaluation of patients with cardiac death phobia: an approach for integrating various psychologic explanatory concepts] Deneke FW, et al. **Psychother Psychosom Med Psychol** 1984 Nov; 34(11):273-86 (Eng. Abstr.) **(Ger)**

[Hyperkinetic heart syndrome] Linss G. **Z Arztl Fortbild (Jena)** 1985;79(2):63-5 **(Ger)**

[Assessment of the degree of severity of the cardiac type of neurocirculatory dystonia] Vinogradov VF. **Klin Med (Mosk)** 1984 Nov;62(11):66-70 (Eng. Abstr.) **(Rus)**

[Comparative study of the exercise tolerance of patients with autonomic circulatory dystonia, angina pectoris and previous myocardial infarction] Klenina IS, et al. **Ter Arkh** 1984;56(8):35-9 (Eng. Abstr.) **(Rus)**

[Thermography in healthy subjects and in the syndrome of vegetative-vascular dystonia] Solov'eva AD, et al. **Zh Nevropatol Psikhiatr** 1985;85(6):905-10 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Use of sotalol in hyperkinetic heart syndrome: clinical evaluation and Holter dynamic electrocardiography] Gallo G, et al. **Boll Soc Ital Cardiol** 1984 Mar-Apr;29(3-4):237-54 (Eng. Abstr.) **(Ita)**

[Use of sotalol in the hyperkinetic heart syndrome: clinical and Holter dynamic electrocardiographic evaluation] Gallo G, et al. **Cardiologia** 1984 Mar-Apr;29(3-4):237-54 (Eng. Abstr.) **(Ita)**

[Effect of a short course of beta-blocker treatment on the central hemodynamics and work capacity of patients with neurocirculatory dystonia] Pal'tsev IS, et al. **Kardiologiia** 1985 Apr;25(4):48-52 (Eng. Abstr.) **(Rus)**

[Treatment of vegetovascular dystonia with beta-blockaders and tranquilizers] Zubarev IuG, et al. **Sov Med** 1985; (3):83-5 **(Rus)**

ETIOLOGY

[Objective evaluation of neurocirculatory asthenia and psychoemotional disorders in patients with vibration disease] Vasil'eva TF. **Gig Tr Prof Zabol** 1984 Oct;(10):42-3 **(Rus)**

[Changes in the nervous system after long-term immobilization] Krupina TN, et al. **Sov Med** 1984;(8):27-31 (Eng. Abstr.) **(Rus)**

[Neurocirculatory asthenia in patients with odontogenic inflammatory processes] Dmitrieva VS, et al. **Vestn Khir** 1985 Feb;134(2):51-2 (Eng. Abstr.) **(Rus)**

HISTORY

From irritable heart to mitral valve prolapse: British Army medical reports, 1860 to 1870. Wooley CF. **Am J Cardiol** 1985 Apr 1;55(8):1107-9

From the 'irritable heart' of DaCosta to mitral valve prolapse: the development of medical thought about a constitutional, neuroendocrine cardiovascular process. Wooley CF. **J Cardiogr** 1984 Oct;14 Suppl 5:9-10

PHYSIOPATHOLOGY

Biochemical, physical and psychological findings in patients suffering from cardiac neurosis. Gasic S, et al. **Neuropsychobiology** 1985;13(1-2):12-6

Hemodynamic reactions to circulatory stress tests in patients with neurocirculatory dystonia. Mäntysaari M. **Scand J Clin Lab Invest [Suppl]** 1984;170:1-112

[Value of the left atrium emptying index for evaluation of diastolic function of the left ventricle] Fisenko LA. **Kardiologiia** 1984 Jul;24(7):100-1 **(Rus)**

[The oxygen supply in patients with neurocirculatory asthenia during exercise] Makolkin VI, et al. **Kardiologiia** 1984 Nov;24(11):71-6 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

[Psychopathological disorders in somatic diseases] Volkov VS, et al. **Sov Med** 1984;(8):92-5 **(Rus)**

THERAPY

[Complex health resort treatment of patients with inflammatory diseases of the adnexa uteri and vegetovascular disorders] Gurtskaia LK. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):60-1 **(Rus)**

NEWARK PUBLIC LIBRARY

[Changes in manifestations of chronic pain and vegetovascular dystonic syndromes in diseases of the peripheral nervous system after complex sanatorium-health resort treatment] Miashka VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):44-7 (Eng. Abstr.) **(Rus)**

NEURODERMATITIS

DIET THERAPY

[Follow-up of children with allergodermatoses] Akhmetova MA, et al. **Pediatriia** 1984 Oct;(10):69 **(Rus)**

DRUG THERAPY

[Effect of glucocorticoid therapy on the adrenal cortex function in children with neurodermatitis] Zver'kova FA, et al. **Vestn Dermatol Venerol** 1984 Oct;(10):43-6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Mitochondrial enzyme activity of blood neutrophils during the sanatorium-health resort treatment of children with neurodermatitis] Ivanova MV, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):12-5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Allergic reactivity of the body in children with neurodermatitis] Sivak VP, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):13-6 (Eng. Abstr.) **(Rus)**

[Food allergy in patients with pruritic dermatoses] Kashirskiĭ IuM. **Vopr Pitan** 1984 Jul-Aug;(4):17-20 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Stomach function and morphology in eczema and neurodermatitis patients] Kashirskii IuM, et al. **Klin Med (Mosk)** 1985 Apr;63(4):82-7 (Eng. Abstr.) **(Rus)**

[Thermoregulation in adolescents with diffuse neurodermatitis and psoriasis and its changes during sulfide balneotherapy] Artem'ev VI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):34-7 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

[Features of the internal picture of the disease among psoriasis and neurodermatitis patients] Nikolaeva VV, et al. **Zh Nevropatol Psikhiatr** 1984;84(12):1856-9 (Eng. Abstr.) **(Rus)**

THERAPY

Neurodermatitis treated by plum-blossom needle. Zhong MQ. **J Tradit Chin Med** 1984 Dec;4(4):265-8

[Treatment of patients with neurodermatitis by exchange plasmapheresis] Bazuka AP, et al. **Vestn Dermatol Venerol** 1984 Oct;(10):50-3 (Eng. Abstr.) **(Rus)**

[Study of the immunocorrecting effect of hemosorption with plasmapheresis in neurodermatitis] Glukhen'kaia AB. **Vestn Dermatol Venerol** 1984 Aug;(8):6-8 (Eng. Abstr.) **(Rus)**

[Clinical effectiveness and the role of photochemotherapy in the complex treatment of patients with neurodermatitis] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1984 Dec;(12):4-6 (Eng. Abstr.) **(Rus)**

[Pathogenetic therapy of neurodermatitis with concomitant chronic focal infection of the nasopharynx] Shaposhnikov OK, et al. **Voen Med Zh** 1984 Oct;(10):48-50 **(Rus)**

NEURODERMATITIS, ATOPIC see **DERMATITIS, ATOPIC**

NEURODERMATITIS, DISSEMINATED see **DERMATITIS, ATOPIC**

NEUROEFFECTOR JUNCTION

DRUG EFFECTS

Intimacy of the neuroeffector junction and resistance to alpha-adrenoceptor-blockade of the neurogenic contractile response in vasa deferentia from guinea pig and rat. Hammarström M, et al. **Acta Physiol Scand** 1984 Dec;122(4):465-74

Evidence for neuro-effector transmission through postjunctional alpha 2-adrenoceptors in human saphenous vein. Docherty JR, et al. **Br J Pharmacol** 1985 Feb;84(2):573-6

Comparison of affinities of muscarinic antagonists to pre- and postjunctional receptors in the guinea-pig ileum. Kilbinger H, et al. **Eur J Pharmacol** 1984 Aug 17;103(3-4):313-20

Effects of varying salt diets and of ouabain on cardiovascular neuroeffector characteristics and on myogenic resistance vessel activity in SHR and WKY. Nilsson H, et al. **Klin Wochenschr** 1985;63 Suppl 3:86-90

METABOLISM

Alterations in the release of norepinephrine at the vascular neuroeffector junction in hypertension. Westfall TC, et al. **Annu Rev Pharmacol Toxicol** 1985;25:621-41 (149 ref.)

PATHOLOGY

[Structural and functional organization of the vascular wall in disorders of neuromuscular interactions] Gurko NS, et al. **Patol Fiziol Eksp Ter** 1984 Nov-Dec;(6):18-22 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Vascular adrenergic neuroeffector function does not decline in aged rats. Duckles SP, et al. **Circ Res** 1985 Jan;56(1):109-16

Inhibition of neuroeffector transmission in the rabbit mesenteric artery by [Met5]enkephalin. Illes P, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):397-8

Neuroeffector transmission of the hepatic and pancreatico-duodenal isolated arteries of the dog. Varga G, et al. **Gastroenterology** 1984 Nov;87(5):1056-63

Effects of age on the adrenergic cardiac neuroeffector junction. Goldberg PB, et al. **Life Sci** 1984 Dec 24;35(26):2585-91

The parasympathetic neuroeffector junction of the heart. Löffelholz K, et al. **Pharmacol Rev** 1985 Mar;37(1):1-24 (344 ref.)

NEUROENDOCRINE SYSTEM see **NEUROSECRETORY SYSTEMS**

NEUROEPITHELIOMA

[Esthesioneuroblastoma] Liška K, et al. **Sb Lek** 1984 Dec;86(11-12):368-74 (Eng. Abstr.) **(Cze)**

ANALYSIS

Immunohistochemical diagnosis of olfactory neuroblastoma. Choi HS, et al. **J Neuropathol Exp Neurol** 1985 Jan;44(1):18-31

COMPLICATIONS

[Esthesioneuroblastoma associated with sideroblastic anemia (letter)] Romero Colás MS, et al. **Rev Clin Esp** 1985 Mar;176(5):267-9 **(Spa)**

DIAGNOSIS

Nonteratoid medulloepithelioma of the ciliary body. Brownstein S, et al. **Ophthalmology** 1984 Sep;91(9):1118-22

[Olfactory neuroblastoma disclosed by blindness in a 9-month-old girl] de Champs C, et al. **Arch Fr Pediatr** 1985 Feb;42(2):119-21 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Peripheral neuroepithelioma: genetic analysis of tumor derived cell lines. Israel MA, et al. **Prog Clin Biol Res** 1985;175:161-70

OCCURRENCE

Esthesioneuroblastoma [letter] Preston-Martin S, et al. **CA** 1984 Nov-Dec;34(6):356

PATHOLOGY

The neuroectodermal tumor of bone. Jaffe R, et al. **Am J Surg Pathol** 1984 Dec;8(12):885-98

Malignant teratoid medulloepithelioma manifesting as a black epibulbar mass with expulsive hemorrhage. Pe'er J, et al. **Arch Ophthalmol** 1984 Oct;102(10):1523-7

Neuroblastoma in adults. Pathologic findings and clinical outcome. Aleshire SL, et al. **Arch Pathol Lab Med** 1985 Apr;109(4):352-6

Peripheral neuroepithelioma in childhood. Voss BL, et al. **Cancer** 1984 Dec 15;54(12):3059-64

Neuroendocrine tumors of the nose and upper airway. Contrucci RB, et al. **Ear Nose Throat J** 1985 May;64(5):235-8

Epithelial tumours of ciliary body. (Report of two cases). Reddy SC, et al. **Indian J Pathol Microbiol** 1984 Jan;27(1):53-6

Medulloepithelioma (diktyoma) with glial differentiation. Kasantikul V, et al. **J Med Assoc Thai** 1984 Oct;67(10):580-3

Embryonal central neuroepithelial tumors and their differentiating potential. A cytogenetic view of a complex neuro-oncological problem. Rubinstein LJ. **J Neurosurg** 1985 Jun;62(6):795-805 (100 ref.)

Malignant teratoid medulloepithelioma in an adult. Litricin O, et al. **Ophthalmologica** 1985;191(1):17-21

[Sarcomas of nervous origin] Leroy JP, et al. **Arch Anat Cytol Pathol** 1984;32(6):333-8 (Eng. Abstr.) **(Fre)**

[Olfactory neuroblastoma. Apropos of 2 cases] Dalmau Galofré J, et al. **An Otorrinolaringol Ibero Am** 1985;12(4):315-26 (Eng. Abstr.) **(Spa)**

SURGERY

Esthesioneuroblastoma: treatment of skull-base recurrence. Jackson IT, et al. **Plast Reconstr Surg** 1985 Aug;76(2):195-201

THERAPY

Olfactory neuroblastoma. Chemotherapy and radiotherapy for extensive disease. Weiden PL, et al. **Arch Otolaryngol** 1984 Nov;110(11):759-60

Treatment of advanced esthesioneuroblastoma with high-dose chemotherapy and autologous bone marrow transplantation. A case report. O'Conor GT Jr, et al. **Cancer** 1985 Jan 15;55(2):347-9

Esthesioneuroblastoma: diagnosis and management. Newbill ET, et al. **South Med J** 1985 Mar;78(3):275-82

ULTRASTRUCTURE

Surgical pathology of olfactory neuroblastoma. Harrison D. **Head Neck Surg** 1984 Oct;7(1):60-4

An ultrastructural study of intranuclear rodlets in a malignant extracranial neuroepithelial neoplasms [letter] Min KW. **Ultrastruct Pathol** 1984;7(1):79-80

Malignant peripheral neuroectodermal tumours of childhood and adolescence. Schmidt D, et al. **Virchows Arch [A]** 1985;406(3):351-65

VETERINARY

Spinal cord medulloepithelioma in a dog. Kennedy FA, et al. **J Am Vet Med Assoc** 1984 Oct 15;185(8):902-4

[The diagnosis of primary olfactory mucosa neoplasms demonstrated by an esthesioneuroepthelioma in the dog] Dahme E, et al. **Tierarztl Prax** 1985;Suppl 1:112-22 (Eng. Abstr.) **(Ger)**

NEUROFIBRILS

ANALYSIS

Some enkephalin- or VIP-immunoreactive hippocampal pyramidal cells contain neurofibrillary tangles in the brains of aged humans and persons with Alzheimer's disease. Kulmala HK. **Neurochem Pathol** 1985 Spring;3(1):41-51

DRUG EFFECTS

Dendritic alterations in chronic animals with experimental neurofibrillary changes. Uemura E, et al. **Exp Neurol** 1985 Sep;89(3):530-42

Induction of neurofibrillary tangles in cultured mouse neurons by maytanprine. Sato Y, et al. **J Neurol Sci** 1985 May;68(2-3):191-203

IMMUNOLOGY

Amyloid-like (Congophilic) neurofibrillary tangles do not react with neurofilament antisera in Alzheimer's cerebral cortex. Bignami A, et al. **Acta Neuropathol (Berl)** 1984;64(3):243-50

Monoclonal antibodies to Alzheimer neurofibrillary tangles. 2. Demonstration of a common antigenic determinant between ANT and neurofibrillary degeneration in progressive supranuclear palsy. Dickson DW, et al. **Am J Pathol** 1985 Aug;120(2):292-303

Monoclonal antibodies to Alzheimer neurofibrillary tangles. 1. Identification of polypeptides. Yen SH, et al. **Am J Pathol** 1985 Aug;120(2):282-91

Alzheimer's disease: immunoreactivity of neurofibrillary tangles with anti-neurofilament and anti-paired helical filament antibodies. Rasool CG, et al. **Brain Res** 1984 Sep 24;310(2):249-60

Alzheimer's disease: exposure of neurofilament immunoreactivity in SDS-insoluble paired helical filaments. Rasool CG, et al. **Brain Res** 1984 Nov 19;322(1):194-8

Distribution of neurofilament-immunoreactive nerve fibers in human skin. Dalsgaard CJ, et al. **Histochemistry** 1984;81(2):111-4

Paired helical filament antigen in CSF [letter] Mehta PD, et al. **Lancet** 1985 Jul 6;2(8445):35

PATHOLOGY

Nucleus raphe dorsalis in Alzheimer's disease: neurofibrillary tangles and loss of large neurons. Yamamoto T, et al. **Ann Neurol** 1985 Jun;17(6):573-7

The dissolution of language in Pick's disease with neurofibrillary tangles: a case study. Holland AL, et al. **Brain Lang** 1985 Jan;24(1):36-58

Controlled induction of paired helical filaments of the Alzheimer type in cultured human neurons, by glutamate and aspartate. De Boni U, et al. **J Neurol Sci** 1985 May;68(2-3):105-18

Definition of Alzheimer's disease [letter] Anderson JM, et al. **Lancet** 1985 Feb 16;1(8425):408

Alzheimer's disease: does neuron plasticity predispose to axonal neurofibrillary degeneration? [letter] Ashford JW, et al. **N Engl J Med** 1985 Aug 8;313(6):388-9

Correlation between senile plaque and neurofibrillary tangle counts in cerebral cortex and neuronal counts in cortex and subcortical structures in Alzheimer's disease. Mann DM, et al. **Neurosci Lett** 1985 May 1;56(1):51-5

ULTRASTRUCTURE

Alzheimer paired helical filaments: cross-reacting polypeptide/s normally present in brain. Grundke-Iqbal

I, et al. **Acta Neuropathol (Berl)** 1985;66(1):52-61

Catecholamine neurons with Alzheimer's neurofibrillary changes and alteration of tyrosine hydroxylase. Immunohistochemical investigation of tyrosine hydroxylase. Nakashima S, et al. **Acta Neuropathol (Berl)** 1985;66(1):37-41

Substructures of paired helical filaments from Alzheimer's disease neurofibrillary tangles. Wisniewski HM, et al. **Acta Neuropathol (Berl)** 1985;66(2):173-6

Dementia and motor neuron disease: morphometric, biochemical, and Golgi studies. Horoupian DS, et al. **Ann Neurol** 1984 Sep;16(3):305-13

Growth of neurites without filopodial or lamellipodial activity in the presence of cytochalasin B. Marsh L, et al. **J Cell Biol** 1984 Dec;99(6):2041-7

Ultrastructure of paired helical filaments of Alzheimer's neurofibrillary tangle. Wisniewski HM, et al. **J Neuropathol Exp Neurol** 1984 Nov;43(6):643-56

Neurofibrillary tangles of Alzheimer's disease: an immunohistochemical study. Brion JP, et al. **J Submicrosc Cytol** 1985 Jan;17(1):89-96

Microtubule-associated protein 2: monoclonal antibodies demonstrate the selective incorporation of certain epitopes into Alzheimer neurofibrillary tangles. Kosik KS, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7941-5

Paired helical filaments from Alzheimer disease patients contain cytoskeletal components. Perry G, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3916-20

Paired helical filaments in spinal ganglion neurons of elderly rats. van den Bosch de Aguilar P, et al. **Virchows Arch [Cell Pathol]** 1984;47(3):217-22

[Intermediate-sized filaments; their structure and function] Mori H. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1005-29 (279 ref.) **(Jpn)**

NEUROFIBROMA

Intrathoracic vagus nerve tumors: a report of two cases and review of the literature. Besznyák I, et al. **J Thorac Cardiovasc Surg** 1985 Mar;89(3):462-5

Solitary neurofibroma of the gallbladder: report of three cases and literature review. Ilie B, et al. **Mt Sinai J Med (NY)** 1985 Jun;52(6):473-7

ANALYSIS

Solitary pelvic neural tumors with high steroid receptor content. Chetkowski R, et al. **Gynecol Oncol** 1985 Jan;20(1):43-52

DIAGNOSIS

Paraplegia. Mehta PP, et al. **J Assoc Physicians India** 1984 Jun;32(6):521-2

Nerve tumours in the upper limb. A clinical review. Holdsworth BJ. **J Hand Surg [Br]** 1985 Jun;10(2):236-8

NAME syndrome (nevi, atrial myxoma, myxoid neurofibroma, ephelides): a new and unrecognized subset of patients with cardiac myxoma. Vidaillet HJ Jr, et al. **Minn Med** 1984 Dec;67(12):695-6

Neurofibroma of the esophagus. Hishikawa Y, et al. **Radiat Med** 1984 Oct-Dec;2(4):224-5

[Solitary neurofibroma of the lumbosacral plexus. Case report] Teichmann A, et al. **Geburtshilfe Frauenheilkd** 1985 Jun;45(6):411-3 (Eng. Abstr.) **(Ger)**

[A case of retroperitoneal neurofibroma] Maruyama T, et al. **Rinsho Hoshasen** 1984 Sep;29(9):1025-7 (Eng. Abstr.) **(Jpn)**

[Retrorectal neurofibroma] Badowski A, et al. **Wiad Lek** 1984 Sep 15;37(16):1284-7 (Eng. Abstr.) **(Pol)**

[Pedunculated benign lung neoplasms] Vagner EA, et al. **Grudn Khir** 1985 Jan-Feb;(1):47-50 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pigmented storiform neurofibroma. Miyamoto Y, et al. **Acta Pathol Jpn** 1984 Jul;34(4):821-6

Solitary neurofibroma of the esophagus. Saitoh K, et al. **Acta Pathol Jpn** 1985 Mar;35(2):527-31

Localized orbital neurofibromas. Krohel GB, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):458-64

Tissue culture studies of neurofibromatosis: effects of axolemmal fragments and cyclic adenosine 3',5'-monophosphate analogues on proliferation of Schwann-like and fibroblast-like neurofibroma cells. Sobue G, et al. **Ann Neurol** 1985 Jul;18(1):68-73

Neurosarcomatous malignant melanoma arising in a neuroid giant congenital melanocytic nevus. Weidner N, et al. **Arch Dermatol** 1985 Oct;121(10):1302-6

Sarcomas—a clinicopathological guide with particular reference to cutaneous manifestation. II. Malignant nerve sheath tumour, leiomyosarcoma and rhabdomyosarcoma. Fletcher CD, et al. **Clin Exp Dermatol** 1985 May;10(3):201-16 (65 ref.)

Giant intrapelvic neurofibroma. Devi D, et al. **J Indian Med Assoc** 1985 Jan;83(1):14-5

Tactile neurofibroma of the stapedial nerve. Van Goethem H, et al. **J Laryngol Otol** 1985 Feb;99(2):187-92

Solitary neurofibroma of the lumbosacral plexus [letter] Argyrakis A, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):844-6

Malignant peripheral nerve sheath tumors in childhood. Ducatman BS, et al. **J Neurooncol** 1984;2(3):241-8

An isolated plexiform neurofibroma of the bladder. Winfield HN, et al. **J Urol** 1985 Sep;134(3):542-3

Glial fibrillary acidic protein (GFAP) immunoreactivity in peripheral nerve sheath tumors. Memoli VA, et al. **Ultrastruct Pathol** 1984;7(4):269-75

[Neurogenic tumors and pseudotumors of the hand] Rozhold O, et al. **Rozhl Chir** 1984 Sep;63(8-9):623-5 (Eng. Abstr.) **(Cze)**

[Neurogenic sarcoma in Von Recklinghausen's disease. Histological, immunohistochemical and ultrastructural study of 6 cases] Verola O, et al. **Arch Anat Cytol Pathol** 1985;33(1):5-16 (Eng. Abstr.) **(Fre)**

[Neurofibroma of the lacrimal sac. Apropos of a case] Arne JL, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):665-9 (Eng. Abstr.) **(Fre)**

[2 rare nonepithelial benign tumors of the penis] Hey A. **Pathologe** 1984 Oct;5(5):286-8 **(Ger)**

[Neural proliferation as a concomitant finding in neoplasias and benign ectopias of the uterine cervix] Bajardi F. **Zentralbl Gynakol** 1985;107(4):227-36 (Eng. Abstr.) **(Ger)**

[Neurofibroma of the tongue: a clinical case] Gariboldi LM, et al. **Acta Biomed Ateneo Parmense** 1984;55(5-6):311-4 (Eng. Abstr.) **(Ita)**

[Neurofibroma of the submandibular gland complicated by iatrogenic transient central facial nerve paralysis] Prandota J, et al. **Pol Tyg Lek** 1985 Apr 8-15;40(14-15):425-6 (Eng. Abstr.) **(Pol)**

[Case of malignant neurofibroma of the cervicobrachial plexus] Larionova IK, et al. **Klin Med (Mosk)** 1985 Apr;63(4):120-2 **(Rus)**

RADIOGRAPHY

Hemorrhagic nerve sheath tumors (plexiform neurofibromas) of the scalp: CT findings. Nanni D, et al. **J Comput Assist Tomogr** 1985 Mar-Apr;9(2):272-4

Intramedullary spinal neurofibroma diagnosed with computed tomography: report of a case. Gelabert González M, et al. **Neurosurgery** 1985 Apr;16(4):543-5

[Angiography in neurogenic neck tumors] Zyb AF, et al. **Radiol Diagn (Berl)** 1984;25(3):247-54 (Eng. Abstr.) **(Ger)**

[CT of intrathoracic neurogenic tumors] Ikezoe J, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 May 25;44(5):677-87 (Eng. Abstr.) **(Jpn)**

SECONDARY

Paraspinal myoclonus due to spinal root lesion [letter] Sotaniemi KA. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):722-3

[Neurofibromatosis and the development of neurofibrosarcoma simulating Baker's cyst] Zoller WG, et al. **Dtsch Med Wochenschr** 1985 Jul 12;110(28-29):1125-7 (Eng. Abstr.) **(Ger)**

SURGERY

Panel discussion. Treatment of CPA pathology. **Adv Otorhinolaryngol** 1984;34:193-201

Spinal neurinomas—clinical analysis of 45 surgical cases. Hori T, et al. **Neurol Med Chir (Tokyo)** 1984 Jul;24(7):471-7

Intramedullary neurofibroma of the cervical spinal cord: case report with review of the literature. Sharma R, et al. **Neurosurgery** 1984 Oct;15(4):546-8

Neurofibromas of the head and neck. Griffith BH, et al. **Surg Gynecol Obstet** 1985 Jun;160(6):534-8

[Nerve tumor of the neck. Apropos of a case report] Noterman J, et al. **Acta Chir Belg** 1984 Nov-Dec;84(6):357-9 (Eng. Abstr.) **(Fre)**

[Unusual cause of esophageal stenosis] Ballabio D, et al. **Minerva Med** 1985 Feb 28;76(8):341-4 **(Ita)**

[Myxoid neurofibroma of the nasal vestibule] Knaster J, et al. **An Otorrinolaringol Ibero Am** 1985;12(1):75-81 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Light & electron microscopy of benign peripheral nerve sheath tumors. Verma RN, et al. **Indian J Pathol Microbiol** 1984 Oct;27(4):325-9

NEUROFIBROMATOSIS

Neurofibromatosis: cause or coincidence of pregnancy complications? [letter] Davies BR. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):914-5

Intraocular extension of optic nerve meningioma in a case of neurofibromatosis. Cibis GW, et al. **Arch Ophthalmol** 1985 Mar;103(3):404-6

Neurofibromatosis of the bladder. Merksz M, et al. **Int Urol Nephrol** 1985;17(1):53-9

Neurofibromatosis: a familial and family disorder. Messner RL, et al. **J Neurosurg Nurs** 1985 Aug;17(4):221-9

Pheochromocytoma, renal artery stenosis, and lymphocytic lymphoma associated with von Recklinghausen's neurofibromatosis. Case report and literature review. Kremen AF, et al. **Minn Med** 1985 Feb;68(2):99-101

ANALYSIS

Biochemical study on gangliosides in neurofibromas and neurofibrosarcomas of Recklinghausen's disease. Tsuchida T, et al. **J Dermatol (Tokyo)** 1984 Apr;11(2):129-38

Basement membrane proteins, interstitial collagens, and fibronectin in neurofibroma. Fleischmajer R, et al. **J Invest Dermatol** 1985 Jul;85(1):54-9

BLOOD

[Primary hyperprolactinemia associated with von Recklinghausen's neurofibromatosis (letter)] Lorcy Y, et al. **Presse Med** 1984 Nov 3;13(39):2388 **(Fre)**

COMPLICATIONS

Recklinghausen disease and Parkinson disease: an unusual association. D'Ambrosio G, et al. **Acta Neurol (Napoli)** 1984 Aug;6(4):274-9

Conjunctival hamartoma in neurofibromatosis [letter] Insler MS, et al. **Am J Ophthalmol** 1985 Jun 15;99(6):731-3

Renovascular hypertension complicating neurofibromatosis. Elias DL, et al. **Am Surg** 1985 Feb;51(2):97-106

Neurofibromatosis and hypertelorism. Westerhof W, et al. **Arch Dermatol** 1984 Dec;120(12):1579-81

Ocular motor apraxia and neurofibromatosis [letter] Glover AT, et al. **Arch Ophthalmol** 1985 Jun;103(6):763

An arachnoid cyst in an 8-year-old boy with neurofibromatosis. Yoshioka H, et al. **Brain Dev** 1984;6(6):551-3

Neurofibromatosis and psoriasis. Roenigk RK, et al. **Cutis** 1985 May;35(5):479-80

Desquamative interstitial pneumonia and scar cancer of the lung complicating generalised neurofibromatosis. De Scheerder I, et al. **Eur J Respir Dis** 1984 Nov;65(8):623-6

Massive bleeding in neurofibromatosis associated with congenital hypofibrinogenaemia: a case report. Farah GR, et al. **Eur J Surg Oncol** 1985 Mar;11(1):57-60

Undiagnosed phaeochromocytoma in a patient with Von Recklinghausen's neurofibromatosis. Walsh G, et al. **Ir J Med Sci** 1984 Jun;153(6):221-2

Thoracic lordoscoliosis in neurofibromatosis: treatment by a Harrington rod with sublaminar wiring. Report of two cases [letter] Dickson RA. **J Bone Joint Surg [Am]** 1985 Jun;67(5):822-3

Thoracic lordoscoliosis in neurofibromatosis: treatment by a Harrington rod with sublaminar wiring. Report of two cases. Winter RB. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1102-6

Synchronous neuroblastoma and von Recklinghausen's disease: a review of the literature. Kushner BH, et al. **J Clin Oncol** 1985 Jan;3(1):117-20

Congenital pseudarthrosis of the ulna: a report of two cases and a review of the literature. Ostrowski DM, et al. **J Pediatr Orthop** 1985 Jul-Aug;5(4):463-7

Hypertension from isolated thoracic aortic coarctation associated with neurofibromatosis. Donaldson MC, et al. **J Pediatr Surg** 1985 Apr;20(2):169-71

Secondary hypertension and neurofibromatosis: bilateral renal artery stenosis and coarctation of the abdominal aorta. Tenschert W, et al. **Klin Wochenschr** 1985 Jul 1;63(13):593-6

von Recklinghausen neurofibromatosis. II. Incidence of optic gliomata. Lewis RA, et al. **Ophthalmology** 1984 Aug;91(8):929-35

Neurofibromatosis (von Recklinghausen's disease)—an unusual cause of parenchymal lung disease. A case report. Hardcastle SW, et al. **S Afr Med J** 1984 Dec 22-29;66(25):959-60

Thoracic vertebral erosion secondary to an intrathoracic meningocele in a patient with neurofibromatosis. A case report. Kornberg M, et al. **Spine** 1984 Nov-Dec;9(8):821-4

Urologic manifestations of von Recklinghausen neurofibromatosis. Blum MD, et al. **Urology** 1985 Sep;26(3):209-17 (76 ref.)

[Congenital glaucoma and Von Recklinghausen's disease] Bost M, et al. **Pediatrie** 1985 Apr-May;40(3):207-12 (Eng. Abstr.) **(Fre)**

[Emergency medicine and anesthesiology aspects of neurofibromatosis in childhood] Abel M. **Anasth Intensivther Notfallmed** 1985 Apr;20(2):76-8 (Eng. Abstr.) **(Ger)**

[A case of neurofibromatosis with idiopathic congenital hemipertrophy] de Toni T, et al. **Minerva Pediatr** 1985 May 15;37(9):343-8 (Eng. Abstr.) **(Ita)**

[Eosinophilia and hepatocellular carcinoma associated with von Recklinghausen's disease] Komai K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):3019-22 **(Jpn)**

[Cystic pontine glioma associated with von Recklinghausen's disease—report of a case] Saito A, et al. **No Shinkei Geka** 1984 Sep;12(10):1173-6 (Eng. Abstr.) **(Jpn)**

[Abnormal cerebral vessels in von Recklinghausen disease: report of two cases] Takenaka N, et al. **No To Hattatsu** 1984 Sep;16(5):381-5 (Eng. Abstr.) **(Jpn)**

[Von Recklinghausen neurofibromatosis complicated with aqueductal stenosis. Report of two adult cases] Kawano H, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):336-41 (Eng. Abstr.) **(Jpn)**

[A case of neurofibromatosis with multiple tumors and lesions of the nervous system] Olisova MO, et al. **Vestn Dermatol Venerol** 1985 May;(5):39-41 (Eng. Abstr.) **(Rus)**

[Von Recklinghausen's neurofibromatosis with cerebral vascular involvement] Rossi López RE, et al.

NEWARK PUBLIC LIBRARY

Rev Clin Esp 1985 Feb;176(2):94–7 (Eng. Abstr.) **(Spa)**

[Neurofibroma of the small intestine associated with von Recklinghausen's disease: apropos of a case] Arévalo Jiménez E, et al. **Rev Esp Enferm Apar Dig** 1984 Nov; 66(5):431–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The neurocutaneous syndromes: diagnosis and management for the primary care pediatrician. McIntosh C, et al. **J Arkansas Med Soc** 1984 Dec;81(7):354–60

Ultrasound evaluation of benign sciatic nerve sheath tumors. Hoddick WK, et al. **J Ultrasound Med** 1984 Nov; 3(11):505–7

Benign retroperitoneal neurilemoma without von Recklinghausen's disease: a rare occurrence. Steers WD, et al. **J Urol** 1985 May;133(5):846–8

Von Recklinghausen neurofibromatosis. Incidence of optic gliomas [letter] Slamovits TL. **Ophthalmology** 1985 Jul; 92(7):984

[Neurologic tumors of the small intestine. Review of the literature apropos of 6 personal cases] Bruneton JN, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 Mar–Apr; 20(2):79–84 (Eng. Abstr.) **(Fre)**

[Carcinoid tumor of the ampulla of Vater and Recklinghausen's neurofibromatosis] Boissonnas A, et al. **Ann Med Interne (Paris)** 1985;136(1):46–8 (Eng. Abstr.) **(Fre)**

[Ophthalmologic and computer tomographic findings in Recklinghausen disease] Hammerstein W, et al. **Fortschr Ophthalmol** 1984;81(4):356–9 (Eng. Abstr.) **(Ger)**

[Congenital neurofibromatosis presenting as neonatal cerebral damage with hypsarrhythmia] Goldberg A, et al. **Harefuah** 1985 Apr 1;108(7):332–3 (Eng. Abstr.) **(Heb)**

[Pheochromocytoma with extra-adrenal localization associated with neurofibromatosis] Mizan K, et al. **Pol Tyg Lek** 1984 Jun 11;39(24):833–5 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

A discordant sibship analysis between beta-NGF and neurofibromatosis. Darby JK, et al. **Am J Hum Genet** 1985 Jan;37(1):52–9

Noonan phenotype associated with neurofibromatosis. Allanson JE, et al. **Am J Med Genet** 1985 Jul;21(3):457–62

A distinctive facial appearance in neurofibromatosis von Recklinghausen. Kaplan P, et al. **Am J Med Genet** 1985 Jul;21(3):463–70

The neurofibromatosis-Noonan syndrome. Mendez HM. **Am J Med Genet** 1985 Jul;21(3):471–6

The neurofibromatosis-Noonan syndrome. Opitz JM, et al. **Am J Med Genet** 1985 Jul;21(3):477–90

Noonan syndrome in a patient with hyperplasia of the myenteric plexuses and neurofibromatosis [letter] Saul RA. **Am J Med Genet** 1985 Jul;21(3):491–2

Evidence of chromosomal instability in neurofibromatosis. Hafez M, et al. **Cancer** 1985 May 15;55(10):2434–6

Neurofibromatosis: no chromosomal defect by prophase banding technique [letter] Kao YS, et al. **Cancer Genet Cytogenet** 1984 Nov;13(3):281–2

Non-neural malignancy complicating neurofibromatosis in two relatives. Wertelecki W, et al. **Cancer Genet Cytogenet** 1985 Sep;18(1):87–9

Neurofibromatosis and malignancy. Warrier RP, et al. **Clin Pediatr (Phila)** 1985 Oct;24(10):584–5

HLA system and neurofibromatosis (von Recklinghausen's disease). Familial studies. Abrahámová J, et al. **Czech Med** 1985;8(2):68–77

Investigation of the cytotoxic effects of DNA damaging agents on neurofibromatosis cells. Schwenn MR, et al. **Mutat Res** 1985 Jan–Feb;142(1–2):55–8

Central neurofibromatosis. Huson SM, et al. **Q J Med** 1985 Jun;55(218):213–24

Sporadic concurrence of von Recklinghausen's neurofibromatosis and Marfan syndrome. Leramo OB, et al. **West Indian Med J** 1985 Jun;34(2):131–3

[A family of von Recklinghausen's disease associated with bilateral acoustic neurinomas and falx meningiomas] Araki Y, et al. **No To Shinkei** 1984 Jul;36(7):641–8 (Eng. Abstr.) **(Jpn)**

[A family of von Recklinghausen's neurofibromatosis complicated by mononeuritis multiplex, bilateral acoustic neurinomas, and falx and spinal meningiomas] Mori M, et al. **No To Shinkei** 1985 Apr;37(4):403–8 (Eng. Abstr.) **(Jpn)**

HISTORY

Dr. Trevelyan and Mr. Treves: Sherlock Holmes and the Elephant Man. Massey JM, et al. **South Med J** 1985 Jul; 78(7):854–7

METABOLISM

Basement membrane components in cutaneous neurofibroma of von Recklinghausen's disease. Weber L, et al. **Arch Dermatol Res** 1984;276(5):335–7

Type IV and V collagens in von Recklinghausen's neurofibromas. An immunohistochemical and electrophoretical study. Peltonen J, et al. **Virchows Arch [Cell Pathol]** 1984;47(4):291–301

PATHOLOGY

Distribution of different collagen types and fibronectin in neurofibromatosis tumours. Peltonen J, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Sep; 92(5):345–52

Neurofibromatosis of the choroid [letter] Klein RM, et al. **Am J Ophthalmol** 1985 Mar 15;99(3):367–8

Tissue culture studies of neurofibromatosis: effects of axolemmal fragments and cyclic adenosine 3',5'-monophosphate analogues on proliferation of Schwann-like and fibroblast-like neurofibroma cells. Sobue G, et al. **Ann Neurol** 1985 Jul;18(1):68–73

Malignant pheochromocytoma with ganglioneuroblastoma elements in a patient with von Recklinghausen's disease. Nakagawara A, et al. **Cancer** 1985 Jun 15;55(12):2794–8

Fibromatosis hyalinica multiplex (juvenile hyalin fibromatosis). Light microscopic, electron microscopic, immunohistochemical, and biochemical findings. Remberger K, et al. **Cancer** 1985 Aug 1;56(3):614–24

Palmar melanotic macules. A sign of neurofibromatosis. Yesudian P, et al. **Int J Dermatol** 1984 Sep;23(7):468–71

Gastrointestinal neurofibromatosis. Petersen JM, et al. **J Clin Gastroenterol** 1984 Dec;6(6):529–34

Malignant schwannoma and follicular thyroid carcinoma associated with von Recklinghausen's disease. Hasegawa M, et al. **J Laryngol Otol** 1984 Oct;98(10):1057–61

Neurofibromatosis of the tongue: a light and electronmicroscopic study with review of the literature from 1849 to 1981. Baden E, et al. **J Oral Med** 1984 Jul–Sep;39(3):157–64

Adenocarcinoma of the esophagus associated with neurofibromatosis. Desigan G, et al. **J Tenn Med Assoc** 1985 Mar;78(3):138–40

Neurofibroma involving the penis in a child. Dwosh J, et al. **J Urol** 1984 Nov;132(5):988–9

Gliomas in neurofibromatosis: a series of 89 cases with evidence for enhanced malignancy in associated cerebellar astrocytomas. Ilgren EB, et al. **Pathol Annu** 1985;20 Pt 1:331–58 (53 ref.)

Elephantiasis neuromatosa. A light, immunohistochemical and electron microscopic study. Holck S, et al. **Virchows Arch [A]** 1984;404(4):427–34

[Neurogenic sarcoma in Von Recklinghausen's disease. Histological, immunohistochemical and ultrastructural study of 6 cases] Verola O, et al. **Arch Anat Cytol Pathol** 1985;33(1):5–16 (Eng. Abstr.) **(Fre)**

[Neurofibromatosis and the development of neurofibrosarcoma simulating Baker's cyst] Zoller WG, et al. **Dtsch Med Wochenschr** 1985 Jul 12;110(28–29):1125–7 (Eng. Abstr.) **(Ger)**

[Involvement of the lung in Recklinghausen's multiple neurofibromatosis (description of a case)] Girbino G, et al. **Arch Monaldi** 1983 Sep–Dec;38(5–6):225–32 (Eng. Abstr.) **(Ita)**

[Monstrous neurofibromatosis. Clinical case] Matarazzo L, et al. **Chir Organi Mov** 1984;69(2):209–12 (Eng. Abstr.) **(Ita)**

[Malignant schwannoma arising in Recklinghausen's disease--report of 4 cases] Uehara T, et al. **Gan No Rinsho** 1985 Mar;31(3):308–17 (Eng. Abstr.) **(Jpn)**

[von Recklinghausen's disease associated with occlusion of bilateral middle cerebral artery, moyamoya phenomenon, and anterior communicating artery aneurysm. Report of an autopsy case] Chono Y, et al. **Neurol Med Chir (Tokyo)** 1985 Mar;25(3):209–14 (Eng. Abstr.) **(Jpn)**

[Case of Recklinghausen's disease] Kotov AA, et al. **Vestn Dermatol Venerol** 1985 Apr;(4):50–1 (Eng. Abstr.) **(Rus)**

[Multiple neurofibromas with zoniform distribution] Carlevaro de Tiscornia A, et al. **Med Cutan Ibero Lat Am** 1984;12(5):413–6 (Eng. Abstr.) **(Spa)**

[Retroperitoneal tumor in a case of Von Recklinghausen's disease] Díaz-Faes JG, et al. **Rev Esp Enferm Apar Dig** 1984 Oct;66(4):323–7 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Von Recklinghausen's neurofibromatosis and pregnancy and the puerperium] Taleb AL, et al. **Rev Fr Gynecol Obstet** 1984 Jul–Sep;79(7–9):575–8 (Eng. Abstr.) **(Fre)**

[Recklinghausen's disease from the viewpoint of the pediatric neurologist] Jergová L, et al. **Cesk Pediatr** 1985 Aug; 40(8):458–62 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Craniofacial neurofibromatosis: a roentgen profile. Gupta SK, et al. **Australas Radiol** 1984 May;28(2):97–105

Gastrointestinal involvement in neurofibromatosis: angiographic presentation. Uflacker R, et al. **Gastrointest Radiol** 1985;10(2):163–5

Contribution of computerized tomography to the study of spheno-orbital dysplasia in neurofibromatosis. Grenier N, et al. **J Neuroradiol** 1984;11(3):201–11 **(Eng, Fre)**

Von Recklinghausen neurofibromatosis: II. Incidence of optic gliomata [letter] Slamovits TL. **Ophthalmology** 1985 May; 92(5):714–5

Neurofibromatosis: oral and radiographic manifestations. Shapiro SD, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):493–8

CT of dry skulls with craniofacial deformities: accuracy of three-dimensional reconstruction. Hemmy DC, et al. **Radiology** 1985 Oct;157(1):113–6

[CT and myelographic findings in Recklinghausen's neurofibromatosis] Strohecker J, et al. **ROFO** 1984 Nov; 141(5):590–1 **(Ger)**

[Neurofibromatosis in childhood. Computed tomographic findings in the skull and neck areas] Zanella FE, et al. **ROFO** 1984 Nov;141(5):498–504 (Eng. Abstr.) **(Ger)**

[Radiographic evaluation of neurofibromatosis] Nishiki T, et al. **Rinsho Hoshasen** 1984 Oct;29(10):1091–7 (Eng. Abstr.) **(Jpn)**

SECRETION

[Recklinghausen's disease with digestive localizations associated with gastric acid hypersecretion suggesting Zollinger-Ellison syndrome] Chagnon JP, et al. **Gastroenterol Clin Biol** 1985 Jan;9(1):65–9 (Eng. Abstr.) **(Fre)**

SURGERY

An operation for the treatment of cutaneous neurofibromatosis. Roberts AH, et al. **Br J Plast Surg** 1985 Apr;38(2):292–3

Postoperative regression of opticochiasmatic astrocytoma: a case for expectant therapy. Venes JL, et al. **Neurosurgery** 1984 Sep;15(3):421–3

Vulvar surgery for neurofibromatosis. Friedrich EG Jr, et al. **Obstet Gynecol** 1985 Jan;65(1):135–8

Neurofibromas of the head and neck. Shack RB, et al. **South Med J** 1985 Jul;78(7):801–4

Neurofibromas of the head and neck. Griffith BH, et al. **Surg Gynecol Obstet** 1985 Jun;160(6):534–8

[Neurocristopathy in pediatric neurosurgery] Pařízek J, et al. **Cas Lek Cesk** 1985 Mar 1;124(9):270–1 (Eng. Abstr.) **(Cze)**

[Orbitopalpebral neurofibromatosis: orbital enlargement by an intracranial approach and palpebral correction] Marchac D, et al. **J Fr Ophtalmol** 1984;7(6–7):469–78 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Neurofibromatous dermal hypoplasia: a clinical, pharmacological and ultrastructural study. Norris JF, et al. **Br J Dermatol** 1985 Apr;112(4):435–41

Segmental neurofibromatosis. Oranje AP, et al. **Br J Dermatol** 1985 Jan;112(1):107–12

VETERINARY

Neurofibrosarcoma and leiomyosarcoma in slaughterhouse broilers. Anderson WI, et al. **Avian Dis** 1985 Apr–Jun; 29(2):521–7

NEUROFILAMENTS see **CYTOPLASMIC FILAMENTS**

NEUROGLIA

Rhabdoneuroglial heterotopias of the pontine leptomeninges in trisomy 13. Johnson ES, et al. **Arch Pathol Lab Med** 1984 Nov;108(11):906–8

Adult rat oligodendrocytes grown in vitro upon an extracellular matrix have the ability to proliferate. Ovadia H, et al. **Brain Res** 1984 Nov 19;322(1):93–100

The isolation and long-term culture of oligodendrocytes from newborn mouse brain. Suzumura A, et al. **Brain Res** 1984 Dec 24;324(2):379–83

Serum-free aggregate cultures of rat CNS glial cells: biochemical, immunocytochemical and morphological characterization. Guentert-Lauber B, et al. **Dev Neurosci** 1985;7(1):33–44

Glial cell growth in culture: influence of living cell substrata. Sakellaridis N, et al. **Neurochem Res** 1984 Oct; 9(10):1477–91

ANALYSIS

Rat oligodendrocytes have cell adhesion molecules. Bhat S, et al. **Brain Res** 1985 Mar;351(1):139–45

Intracellular Ca2+ elevation induced by a neurotransmitter in a glial cell clone. Sugino H, et al. **Brain Res** 1984 Nov 19;322(1):127–30

Characterization of a plasma membrane protein present in non-myelin-forming PNS and CNS glia, a subpopulation of PNS neurons, perineurial cells and smooth muscle in adult rats. Mirsky R, et al. **Cell Tissue Res** 1985; 240(3):723–33

Expression of hyaluronectin by C-6 glial cells at high density. Bhat NR, et al. **J Neurochem** 1985 Jun;44(6):1822–4

Elemental composition and water content of neuron and glial cells in the central nervous system of the North American medicinal leech (Macrobdella decora). Saubermann AJ, et al. **J Neurochem** 1985 Mar;44(3):825–34

Glial fibrillary acidic protein (GFAP)-like immunoreactivity in the rodent eye. Comparison between peripheral glia of the anterior uvea and central glia of the retina. Björklund H, et al. **J Neuroimmunol** 1985 Jun;8(4–6):331–45

Glial fibrillary acidic polypeptides in peripheral glia. Molecular weight, heterogeneity and distribution. Jessen KR, et al. **J Neuroimmunol** 1985 Jun;8(4–6):377–93

Glial cells express N-CAM/D2-CAM-like polypeptides in vitro. Noble M, et al. **Nature** 1985 Aug 22-28; 316(6030):725-8

CLASSIFICATION

Multiple marker analysis in the avian optic tectum reveals three classes of neuroglia and carbonic anhydrase-containing neurons. Linser PJ. **J Neurosci** 1985 Sep;5(9):2388-96

CYTOLOGY

Prenatal gliogenesis in the neopallium of the rat. Rickmann M, et al. **Adv Anat Embryol Cell Biol** 1985;93:1-104 (250 ref.)

The differentiation of oligodendrocytes in a serum-free hormone-supplemented medium. Eccleston PA, et al. **Brain Res** 1984 Sep;318(1):1-9

Establishment of Muller cell cultures from adult rat retina. Sarthy PV. **Brain Res** 1985 Jun 24;337(1):138-41

Reconstitution of a developmental clock in vitro: a critical role for astrocytes in the timing of oligodendrocyte differentiation. Raff MC, et al. **Cell** 1985 Aug;42(1):61-9

Oligodendrocytes in the pons and middle cerebellar peduncle of the cat. Topographical relations to neurons and transverse axon bundles. Ogawa Y, et al. **Cell Tissue Res** 1985;240(3):541-52

Culture of adult rabbit retinal glial cells: methods and cellular origin of explant outgrowth. Burke JM, et al. **Curr Eye Res** 1984 Oct;3(10):1169-78

A quantitative immunohistochemical study of macroglial cell development in the rat optic nerve: in vivo evidence for two distinct astrocyte lineages. Miller RH, et al. **Dev Biol** 1985 Sep;111(1):35-41

Two glial cell lineages diverge prenatally in rat optic nerve. Raff MC, et al. **Dev Biol** 1984 Nov;106(1):53-60

Glial-neuronal relationship in the developing central nervous system. A histochemical-electron microscope study of radial glial cell particulate glycogen in normal and reeler mice and the human fetus. Gadisseux JF, et al. **Dev Neurosci** 1985;7(1):12-32

Purified astrocytes promote the in vitro division of a bipotential glial progenitor cell. Noble M, et al. **EMBO J** 1984 Oct;3(10):2243-7

The in vitro differentiation of a bipotential glial progenitor cell. Raff MC, et al. **EMBO J** 1984 Aug;3(8):1857-64

The influence of ultrasounds on the number and activity of Gomori-positive glial cells in the brain of mice. Gnoińska Z. **Folia Biol (Krakow)** 1984;32(3):223-36

Initial appearance and regional distribution of the neuron-glia cell adhesion molecule in the chick embryo. Thiery JP, et al. **J Cell Biol** 1985 Feb;100(2):442-56

A comparative analysis of glial and neuronal markers in the retina of fish: variable character of horizontal cells. Linser PJ, et al. **J Comp Neurol** 1985 Jul 8;237(2):264-72

Intermediate glial cells and reactive astrocytes revisited. A study in organotypic tissue culture. Munoz-Garcia D, et al. **J Neuroimmunol** 1985 Jun;8(4-6):237-54

Membrane physiology of retinal glial (Müller) cells. Newman EA. **J Neurosci** 1985 Aug;5(8):2225-39

Oligodendrocytes, key cells in myelination and target in demyelinating diseases. Bologa L. **J Neurosci Res** 1985; 14(1):1-20 (167 ref.)

Differentiation of a bipotential glial progenitor cell in a single cell microculture. Temple S, et al. **Nature** 1985 Jan 17-23; 313(5999):223-5

An in-vitro approach to the study of oligodendrocytes and their involvement in multiple sclerosis. Szuchet S, et al. **Neurol Clin** 1983 Aug;1(3):729-55

Immunohistochemical localization of macrophages and microglia in the adult and developing mouse brain. Perry VH, et al. **Neuroscience** 1985 Jun;15(2):313-26

Specialized neuroglial arrangement may explain the capacity of vomeronasal axons to reinnervate central neurons. Raisman G. **Neuroscience** 1985 Jan;14(1):237-54

The glial cells and glia-neuron relations in the buccal ganglia of Planorbis corneus (L.): cytological, qualitative and quantitative changes during growth and ageing. Pentreath [illegible] et al. **Philos Trans R Soc Lond [Biol]** 1985 Jan 10; [illegible](1133):399-455

Peptides from regenerating central nervous system promote specific populations of macroglia. Giulian D, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4287-90

Characterization of cultured rat oligodendrocytes proliferating in a serum-free, chemically defined medium. Saneto RP, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3509-13

Preparation of isolated Müller cells of the mammalian (rabbit) retina. Reichenbach A, et al. **Z Mikrosk Anat Forsch** 1984; 98(5):789-92

DRUG EFFECTS

Karyometric, cytophotometric, and histoenzymatic studies on neuroglia of young rats subjected to CCNU (Lomustine) action. Szczech J. **Acta Histochem (Jena)** 1984;75(2):121-32

The response of oligodendrocytes to chemical injury. Blakemore WF. **Acta Neurol Scand [Suppl]** 1984;100:33-8 (34 ref.)

Experimental neurotoxicity of the anorectic fenfluramine. I. A fine structural model for cerebral lysosomal storage and neuroglial reaction. Dastur DK, et al. **Acta Neuropathol (Berl)** 1985;67(1-2):142-54

Effect of a hypocholesterolemic agent on cholesteryl ester metabolism in glioblastoma cells. Jeng I, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1305-9

Effects of ethanol on cultured glial cells: proliferation and glutamine synthetase activity. Davies DL, et al. **Brain Res** 1984 Sep;318(1):27-35

Rat optic nerve: disruption of gliogenesis with 5-azacytidine during early postnatal development. Ransom BR, et al. **Brain Res** 1985 Jun 24;337(1):41-9

Taxol effects on glia in organotypic mouse spinal cord-DRG cultures. Masurovsky EB, et al. **Cell Biol Int Rep** 1985 Jun;9(6):539-46

Triiodothyronine stimulation of oligodendroglial differentiation and myelination. A developmental study. Almazan G, et al. **Dev Neurosci** 1985;7(1):45-54

Effects of alpha-aminoadipic acid on the glutamate-isolated P III of the rabbit electroretinogram. Reichenbach A, et al. **Doc Ophthalmol** 1985 Jun 30;59(4):359-64

Rat CNS cell culture. Enhancement of neuronal survival and delay of glial proliferation by serum from patients with multiple sclerosis. A morphological study. Savettieri G, et al. **Ital J Neurol Sci** 1984 Sep;5(3):311-6

Cytophotometry of nucleic acids and morphometry of motor neurons and oligodendroglia in the spinal cord of rats treated with CCNU (lomustine). Wygladalska-Jernas H, et al. **J Hirnforsch** 1984;25(5):487-92

The glutamate analogue alpha-aminoadipic acid is taken up by astrocytes before exerting its gliotoxic effect in vitro. Huck S, et al. **J Neurosci** 1984 Oct;4(10):2650-7

Asymmetrical potassium permeability of the Müller cell. Field potential induced by intraretinal injection of K+-free Ringer's in frog retina. Yanagida T, et al. **Jpn J Ophthalmol** 1984;28(3):215-21

Primary glial cultures as a model for studying hormone action. Hamprecht B, et al. **Methods Enzymol** 1985; 109:341-5

Effects of thyroid hormones on the hippocampal glial cells of fasting rats. Oliveira MC, et al. **Physiol Behav** 1985 May; 34(5):671-5

[Comparative study of the muscarinic cholinoreceptors of the glial cells in the human and rat cerebral cortex] Demushkin VP, et al. **Biull Eksp Biol Med** 1984 Nov; 98(11):572-3 (Eng. Abstr.) **(Rus)**

[Effect of strychnine on evoked potentials and postsynaptic responses of sensomotor cortex neurons in the cat] Kokaia MG, et al. **Neirofiziologiia** 1984;16(4):480-7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Acid phosphatase activity in human neuronal and glial lipofuscin. Maslinska D, et al. **Acta Neuropathol (Berl)** 1984; 64(3):222-8

Glial and neuronal Na+-K+ pump in epilepsy. Grisar T. **Ann Neurol** 1984;16 Suppl:S128-34

Desensitization of opioid-stimulated GTPase in neuroblastoma x glioma hybrid cells. Vachon L, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1342-9

Immunocytochemical localization of 5'-nucleotidase in oligodendroglia and myelinated fibers in the central nervous system of adult and young rats. Cammer W, et al. **Brain Res** 1985 May;352(1):89-96

Triiodothyronine increases glutamine synthetase activity in primary cultures of rat cerebellum. Ruel J, et al. **Brain Res** 1985 Jul;353(1):83-8

Angiotensin-converting enzyme, enkephalinase A and aminopeptidases in the breakdown of enkephalin--studies in cell cultures. Lentzen H, et al. **Clin Exp Hypertens** [A] 1984;6(10-11):1829-32

Electron-microscopic cytochemistry of alkaline-phosphatase activity in endothelium, pericytes and oligodendrocytes in the rat brain. Mori S, et al. **Histochemistry** 1985; 82(3):225-31

Modulation by monoamines of somatostatin-sensitive adenylate cyclase on neuronal and glial cells from the mouse brain in primary cultures. Chneiweiss H, et al. **J Neurochem** 1985 Jun;44(6):1825-31

Glycerol phosphate dehydrogenase activity of oligodendrocytes isolated from adult pig brain: its inducibility by hydrocortisone. Montz HP, et al. **J Neurochem** 1985 Oct;45(4):1201-4

Developmental expression of 2',3'-cyclic nucleotide 3'-phosphohydrolase in dissociated fetal rat brain cultures and rat brain. Bansal R, et al. **J Neurosci Res** 1985; 14(1):21-34

Binding and internalization of lysosomal enzymes by primary cultures of rat glia. Hill DF, et al. **J Neurosci Res** 1985; 14(1):35-47

Morphological variability, lectin binding and Na+,K+-activated adenosine triphosphatase activity of isolated Müller (glial) cells from the rabbit retina. Reichenbach A, et al. **Neurosci Lett** 1985 Mar 22; 55(1):29-34

Adenosine deaminase in convulsions along with its regional, cellular and synaptosomal distribution in rat brain. Subrahmanyam K, et al. **Neurosci Lett** 1984 Aug 10; 48(3):327-31

[Electron-cytochemical study of microglia in Alzheimer's disease and senile dementia] Vostrikov VM. **Zh Nevropatol Psikhiatr** 1985;85(7):974-6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antibodies against oligodendrocytes in serum and CSF in multiple sclerosis and other neurological diseases: 125I-protein A studies. Steck AJ, et al. **Acta Neurol Scand** 1984 Aug;70(2):81-9

Some immature tetanus toxin-positive cells share antigenic properties with subclasses of glial cells. An immunofluorescence study in the developing nervous system of the mouse using a new monoclonal antibody S1. Schnitzer J, et al. **Brain Res** 1984 Nov;318(2):203-17

Expression of H-2 antigen on oligodendrocytes is induced by soluble factors from concanavalin A activated T cells. Suzumura A, et al. **Brain Res** 1985 Jun 10;336(1):171-5

Antigen expression by glial cells grown in culture. Kim SU. **J Neuroimmunol** 1985 Jun;8(4-6):255-82

Immunocytochemistry of myelin basic proteins in adult rat oligodendroglia. Sternberger NH, et al. **J Neuroimmunol** 1985 Feb-Mar;7(5-6):355-63

Modulation of antigenic expression in cultured adult human oligodendrocytes by derivatives of adenosine 3',5'-cyclic monophosphate. Kim SU, et al. **J Neurol Sci** 1985 May-Jun;69(1-2):81-91

Detection of a cell surface antigen found on rat peripheral nervous system neurons and multiple glia: astrocytes, oligodendrocytes, and Schwann cells. Akeson R, et al. **J Neurosci Res** 1984;12(1):41-57

Monoclonal antibodies specific for glial and neuronal antigens in the young rat cerebellum. Ghandour MS, et al. **Neurosci Lett** 1984 Sep 28;51(1):119-25

Monoclonal cell surface antibodies do not produce short-term effects on electrical properties of mouse oligodendrocytes in culture. Kettenmann H, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):195-9

[Endocrine and metabolic mechanisms of the pathological syndrome due to antigens of homologous glial tissue in monkeys] Cupić D, et al. **Biull Eksp Biol Med** 1984 Dec; 98(12):666-8 (Eng. Abstr.) **(Rus)**

METABOLISM

Cytofluorometric quantitation of acridine orange uptake by cultured cells. Rundquist I, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1984 Sep; 92(5):303-9

Characteristics of dopamine and GABA transport in primary cultures of astroglial cells. Hansson E, et al. **Acta Physiol Scand** 1984 Aug;121(4):333-41

Synthesis and release of sulfated glycoproteins by cultured glial cells. Bhat NR, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):778-84

Degradation of substance P by neurones and glial cells. Horsthemke B, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):728-33

Differential kinetics of histone H1 degrees accumulation in neuronal and glial cells from rat cerebral cortex during postnatal development. Piña B, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):697-702

Glial and neuronal glutamate transport following glutamine synthetase inhibition. Rothstein JD, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):73-9

Acetoacetate and glucose as substrates for lipid synthesis by rat brain oligodendrocytes and astrocytes in serum-free culture. Koper JW, et al. **Biochim Biophys Acta** 1984 Oct 24;796(1):20-6

Autoradiographic quantitation of beta-adrenergic receptors on neural cells in primary cultures. II. Comparison of receptors on various types of immunocytochemically identified cells. Burgess SK, et al. **Brain Res** 1985 May 27;335(1):11-9

The response of optic tract glia during regeneration of the goldfish visual system. I. Biosynthetic activity within different glial populations after transection of retinal ganglion cell axons. Giulian D, et al. **Brain Res** 1985 Jul 22;339(1):87-96

Transient expression of glial fibrillary acidic protein in developing oligodendrocytes in vitro. Ogawa H, et al. **Brain Res** 1985 Feb;350(1-2):133-41

Uptake of [3H]GABA by oligodendrocytes in dissociated brain cell culture: a combined autoradiographic and immunocytochemical study. Reynolds R, et al. **Brain Res** 1984 Nov 19;322(1):17-31

Glial polypeptides transferred into the squid giant axon. Tytell M, et al. **Brain Res** 1984 Dec 24;324(2):223-32

Binding of hormonal steroids to isolated oligodendroglia and astroglia grown in vitro on a naturally produced extracellular matrix. Ovadia H, et al. **Clin Neuropharmacol** 1984;7(4):307-11

Effects of phenytoin on primary glial cell cultures. White HS, et al. **Epilepsia** 1985 Jan-Feb;26(1):58-68

Pharmacological evidence that the non-neuronal diazepam binding site in primary cultures of glial cells is associated with a calcium channel. Bender AS, et al. **Eur J Pharmacol** 1985 Apr 2;110(2):287-8

Incorporation and turnover of phospholipid precursors in normal and tumoral glial cells in culture. Hugues P, et al. **Int J Biochem** 1985;17(5):611-7

Insulin binds to specific receptors and stimulates 2-deoxy-D-glucose uptake in cultured glial cells from rat brain. Clarke DW, et al. **J Biol Chem** 1984 Oct 10; 259(19):11672-5

Glial toxin effect on protein synthesis in an insect connective. Smith PJ, et al. **J Cell Sci** 1984 Aug;70:83-92

Vasoactive intestinal polypeptide receptors linked to an adenylate cyclase, and their relationship with biogenic amine- and somatostatin-sensitive adenylate cyclases on central neuronal and glial cells in primary cultures. Chneiweiss H, et al. **J Neurochem** 1985 Mar;44(3):779-86

Methylation of chromosomal proteins in neuronal and glial nuclei purified from cerebral hemispheres of rat during postnatal development. Serra I, et al. **J Neurochem** 1985 Jun;44(6):1779-84

Expression of glial fibrillary acidic protein by immature oligodendroglia and its implications. Choi BH, et al. **J Neuroimmunol** 1985 Jun;8(4-6):215-35

Benzodiazepines enhance the muscimol-dependent activation of phospholipase A2 in glioma C6 cells. Majewska MD, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):650-5

Active uptake system for substance P carboxy-terminal heptapeptide (5-11) into a fraction from rabbit enriched in glial cells. Inoue A, et al. **Jpn J Pharmacol** 1984 Oct; 36(2):137-45

Metabolic studies on vaccinia-virus-infected oligodendrocytes in brain cell cultures. Beranek CF, et al. **Med Microbiol Immunol (Berl)** 1984;173(2):95-103

Incorporation of [3H]thymidine into DNA and of [35S]sulfate into sulfatides of oligodendroglial cells during development: effect of malnutrition. Larocca JN, et al. **Neurochem Res** 1985 Jan;10(1):89-98

RNA synthesis in neuronal and glial cell nuclei from rat cerebral hemispheres during early postnatal development. Serra I, et al. **Neurochem Res** 1984 Aug;9(8):1051-63

Immunohistochemical demonstration of glial fibrillary acidic protein in normal rat Müller glia and retinal astrocytes. Björklund H, et al. **Neurosci Lett** 1985 Mar 15; 54(2-3):363-8

Specific binding of [3H]diazepam in mouse glioblastoma: the influence of clonazepam and Ro 5-4864 on [3H]diazepam binding. Zlobina GP, et al. **Neurosci Lett** 1984 Dec 21; 52(3):259-62

[Multiple sclerosis--a receptor disease? Etiopathogenic considerations] Kříž K. **Cesk Neurol Neurochir** 1984 Sep; 47(5):333-4 **(Cze)**

[Role of the neuroglia in the pharmacokinetics of psychotropic agents] Fateev VA, et al. **Farmakol Toksikol** 1985 Jan-Feb;48(1):117-22 (55 ref.) **(Rus)**

MICROBIOLOGY

Effects of in vitro infection of mouse glial and neuroblastoma cells with the scrapie agent. Markovits P, et al. **Ann Rech Vet** 1985;16(1):111-9

Interaction of K papovavirus with hamster cells: transformation of glial cells in vitro but failure of the virus to produce central nervous system tumors in vivo. Greenlee JE, et al. **Arch Virol** 1985;83(3-4):207-15

Canine distemper virus does not infect oligodendrocytes in vitro. Vandevelde M, et al. **J Neurol Sci** 1985 Jul; 69(3):133-7

PATHOLOGY

Glial bundles in spinal nerve roots. An immunocytochemical study stressing their nonspecificity in various spinal cord and peripheral nerve diseases. Kimura T, et al. **Acta Neuropathol (Berl)** 1984;65(1):46-52

Glial filaments are a major brain fraction in infantile neuronal ceroid-lipofuscinosis. Paetau A, et al. **Acta Neuropathol (Berl)** 1985;65(3-4):190-94

The cornu ammonis and alcoholic cirrhotic encephalopathy. A neuropathological and immunohistological study. Fuentes C, et al. **Anat Clin** 1984;6(3):163-70

Enteric gliopathy in niacin-deficiency induced by CNS glio-toxin. Aikawa H, et al. **Brain Res** 1985 May 20; 334(2):354-6

A morphological study of glial cells in the hypoglossal nucleus of the cat during nerve regeneration. Cova JL, et al. **J Comp Neurol** 1985 Mar 22;233(4):421-8

Quantitative electron microscopic observations on the non-neuronal cells and lipid droplets in the posterior funiculus of the cat after dorsal rhizotomy. Franson P. **J Comp Neurol** 1985 Jan 22;231(4):490-9

The glial reaction in the course of axon regeneration: a stereological study of the rat hypoglossal nucleus. Reisert I, et al. **J Comp Neurol** 1984 Oct 10;229(1):121-8

Effects of neonatal transection on glial cell development in the rat optic nerve: evidence that the oligodendrocyte-type 2 astrocyte cell lineage depends on axons for its survival. David S, et al. **J Neurocytol** 1984 Dec;13(6):961-74

Schwann cell and oligodendrocyte remyelination in lysolecithin-induced lesions in irradiated rat spinal cord. Harrison B. **J Neurol Sci** 1985 Feb;67(2):143-59

Survival of oligodendrocytes in chronic relapsing experimental autoimmune encephalomyelitis. Moore GR, et al. **J Neurol Sci** 1984 Aug;65(2):137-45

Collagen biosynthesis in human neuroblastoma cell lines: evidence for expression of glial cell properties. DeClerck YA, et al. **JNCI** 1985 Sep;75(3):431-9

Glial cells in culture of preretinal membrane of proliferative vitreoretinopathy. Yamashita H, et al. **Jpn J Ophthalmol** 1985;29(1):42-53

Reaction of oligodendrocytes and astrocytes to trauma and implantation. A combined autoradiographic and immunohistochemical study. Ludwin SK. **Lab Invest** 1985 Jan;52(1):20-30

Proliferation and response of oligodendrocytes [editorial] Manuelidis L, et al. **Lab Invest** 1985 Jan;52(1):1-2

Virus-induced demyelination in mice: 'dying back' of oligodendrocytes. Rodriguez M. **Mayo Clin Proc** 1985 Jul; 60(7):433-8

[Peritoneal gliomatosis associated with a mature teratoma of the ovary] Vital A, et al. **Ann Pathol** 1985;5(1):59-62 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Neuron-glia interactions and glial enzyme expression in mouse cerebellum. Fisher M. **Adv Exp Med Biol** 1984; 181:203-13

The influence of neuronal-glial interactions on glia-specific gene expression in embryonic retina. Linser PJ, et al. **Adv Exp Med Biol** 1984;181:185-202

Cell culture on polymers prepared by radiation-induced grafting of various monomers. Yoshii F, et al. **Appl Biochem Biotechnol** 1983 Dec;8(6):505-13

Mature oligodendrocytes. Division following experimental demyelination in adult animals. Arenella LS, et al. **Arch Neurol** 1984 Nov;41(11):1162-5

The response of optic tract glia during regeneration of the goldfish visual system. II. Tectal factors stimulate optic tract glia. Giulian D, et al. **Brain Res** 1985 Jul 22; 339(1):97-104

Myelination of mouse cerebellar explants by rat cultured oligodendrocytes. Nishimura RN, et al. **Brain Res** 1985 Jun 24;337(1):159-62

Pharmacological modification of the light-induced responses of Müller (glial) cells in the amphibian retina. Witkovsky P, et al. **Brain Res** 1985 Feb 25;328(1):111-20

Activation of beta-adrenergic receptors stimulates taurine release from glial cells. Shain WG, et al. **Cell Mol Neurobiol** 1984 Jun;4(2):191-6

Interactions between PI and slow PIII in the generation of the electroretinogram c-wave. Nilsson SE. **Dev Ophthalmol** 1984;9:53-8

Membrane ultrastructure of developing axons in glial cell deficient rat spinal cord. Black JA, et al. **J Neurocytol** 1985 Feb;14(1):79-104

White noise analysis of cable properties of neuroblastoma cells and lamprey central neurons. Moore LE, et al. **J Neurophysiol** 1985 Mar;53(3):636-51

Pyruvate participation in the low molecular weight trophic activity for central nervous system neurons in glia-conditioned media. Selak I, et al. **J Neurosci** 1985 Jan; 5(1):23-8

Changes in sodium activity during light stimulation in photoreceptors, glia and extracellular space in drone retina. Coles JA, et al. **J Physiol (Lond)** 1985 May;362:415-35

Ionic and electrophysiological properties of retinal Müller (glial) cells of the turtle. Conner JD, et al. **J Physiol (Lond)** 1985 May;362:79-92

Neurophysiology. Potential challenge from glia [news] Gardner-Medwin AR. **Nature** 1985 May 16-22; 315(6016):181

Coupling and uncoupling of amphibian neuroglia. Tang CM, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):237-42

Dynamic neuronal-glial interactions in hypothalamus and pituitary: implications for control of hormone synthesis and release. Hatton GI, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:121-38 (76 ref.)

Electrical properties of oligodendrocytes in culture. Kettenmann H, et al. **Pflugers Arch** 1984 Aug;401(4):324-32

Polypeptide components and binding functions of neuron-glia cell adhesion molecules. Grumet M, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7989-93

Voltage-dependent calcium channels in glial cells. MacVicar BA. **Science** 1984 Dec 14;226(4680):1345-7

An in vitro preparation and study of cells in cat visual cortex. Kato H, et al. **Vision Res** 1985;25(3):349-56

[Slow P III component of the electroretinogram resulting from the interaction of photoreceptors and cells of Müller in the retina] Dmitriev AV, et al. **Fiziol Zh SSSR** 1985 Apr;71(4):446-52 (Eng. Abstr.) **(Rus)**

[Prolonged negative potentials of the surface of the sensomotor cortex of the cat and responses of neural and glial cells] Okudzhava VM, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1132-41 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

CNS hypomyelinated mutant mice (jimpy, shiverer, quaking): in vitro evidence for primary oligodendrocyte defects. Wolf MK, et al. **Adv Exp Med Biol** 1984;181:115-33

TRANSPLANTATION

Transplantation of CNS fragments into the brain of shiverer mutant mice: extensive myelination by implanted oligodendrocytes. I. Immunohistochemical studies. Lachapelle F, et al. **Dev Neurosci** 1983-84;6(6):325-34

ULTRASTRUCTURE

Intracranial extracerebral neuroglial hamartoma. Ball RY, et al. **Acta Neuropathol (Berl)** 1984;65(2):172-6

The morphology of lipopigment granules in oligodendrocytes of the cerebellum and spinal cord and in Schwann cells of the N. ischiadicus of the cat, Japanese waltzing mouse, and albino mouse. Lange W, et al. **Acta Neuropathol (Berl)** 1985;65(3-4):330-4

Immunohistochemical studies on human brain tumors using anti-Leu 7 monoclonal antibody in paraffin-embedded specimens. Motoi M, et al. **Acta Neuropathol (Berl)** 1985; 66(1):75-7

Three-dimensional analysis of dendritic spines. III. Glial sheath. Spaček J. **Anat Embryol (Berl)** 1985;171(2):245-52

The glial cells in the nerve fiber layer of the rat olfactory bulb. Doucette JR. **Anat Rec** 1984 Oct;210(2):385-91

Ultrastructural characterization of glial cells in the rat pineal gland with special reference to the pineal stalk. Luo ZR, et al. **Anat Rec** 1984 Dec;210(4):663-74

Transformation of amoeboid microglial cells into microglia in the corpus callosum of the postnatal rat brain. An electron microscopical study. Kaur C, et al. **Arch Histol Jpn** 1985 Feb;48(1):17-25

Retinal and epiretinal glia--an immunohistochemical study. Hiscott PS, et al. **Br J Ophthalmol** 1984 Oct;68(10):698-707

Gap-like junctions between neuron cell bodies and glial cells of crayfish. Cuadras J, et al. **Brain Res** 1985 Feb 4; 326(1):149-51

Freeze-fracture ultrastructure of the perinodal astrocyte and associated glial junctions. Waxman SG, et al. **Brain Res** 1984 Aug 6;308(1):77-87

Ultrastructural evidence for the presence of a glial sheath investing the islets of Langerhans in the pancreas of mammals. Donev SR. **Cell Tissue Res** 1984;237(2):343-8

Interneuronal and glial-neuronal gap junctions in the lamina ganglionaris of the compound eye of the housefly, Musca domestica. Saint Marie RL, et al. **Cell Tissue Res** 1985; 241(1):43-52

Glial cell component in retinoblastoma. Craft JL, et al. **Exp Eye Res** 1985 May;40(5):647-59

Enzymhistochemical identification of microglial cells in the rat retina: light and electron microscopic studies. Terubayashi H, et al. **Exp Eye Res** 1984 Nov;39(5):595-603

A low repeat length in oligodendrocyte chromatin. Di Liegro I, et al. **J Neurochem** 1985 Oct;45(4):1006-12

Electron microscopic immunocytochemical localization of myelin proteolipid protein and myelin basic protein to oligodendrocytes in rat brain during myelination. Schwob VS, et al. **J Neurochem** 1985 Aug;45(2):559-71

Evidence that mouse astrocytes may be derived from the radial glia. An immunohistochemical study of the cerebellum in the normal and reeler mouse. Benjelloun-Touimi S, et al. **J Neuroimmunol** 1985 Jul; 9(1-2):87-97

Cell-cell interactions of isolated and cultured oligodendrocytes: formation of linear occluding junctions and expression of peculiar intramembrane particles. Massa PT, et al. **J Neurosci** 1984 Dec;4(12):3128-39

Embryonic development of glial cells and their junctions in the locust central nervous system. Swales LS, et al. **J Neurosci** 1985 Jan;5(1):117-27

An electron microscopic study of astroglia and oligodendroglia in the lateral geniculate nucleus of aged rats. de la Roza C, et al. **Mech Ageing Dev** 1985 Mar; 29(3):267-81

Cellular lesions in the central nervous system of Periplaneta americana following insecticide treatment in vitro and in vivo. II. Glial cells. Singh GJ, et al. **Neurobehav Toxicol Teratol** 1984 May-Jun;6(3):215-22

Action of indomethacin on nucleolar fine structure. Preliminary report. Gajkowska B, et al. **Neuropatol Pol** 1984;22(3):367-77

The effect of manganese on the ultrastructure of pituicytes in vitro. Zareba-Kowalska A, et al. **Neuropatol Pol** 1984; 22(2):281-91

Ultrastructural evidence for phagocytosis by oligodendroglia. Triarhou LC, et al. **Neurosci Lett** 1985 Jan 21;53(2):185-9

Low resolution scanning electron microscopy of cerebellar neurons and neuroglial cells of the granular layer. Castejón OJ. **Scan Electron Microsc** 1984;(Pt 3):1391-400

Fine structural studies on cultured human glial and glioma cells: techniques and applications. Collins VP, et al. **Ultrastruct Pathol** 1984;7(4):321-34

[Cavitary orthochromatic leukodystrophy in the adult. Oligodendroglial proliferation and inclusions] Gautier JC, et al. **Rev Neurol (Paris)** 1984;140(8-9):493-501 (Eng. Abstr.) **(Fre)**

[Retrocerebellar glio-ependymal cyst with corpora amylacea in wall. Case report] Yamashima T, et al. **Neurol Med Chir (Tokyo)** 1985 May;25(5):387-92 (Eng. Abstr.) **(Jpn)**

[Biopsy data on the ultrastructural changes in the cerebral cortex in Vilyui encephalomyelitis] Avtsyn AP, et al. **Arkh Patol** 1984;46(11):28-38 (Eng. Abstr.) **(Rus)**

NEUROHEMAL ORGAN see **NEUROSECRETORY SYSTEMS**

NEUROHUMORS see **NEUROREGULATORS**

NEUROHYPOPHYSIS see **PITUITARY GLAND, POSTERIOR**

NEUROLEPTANALGESIA

Serum levels of cortisol in man during etomidate, fentanyl and air anesthesia, compared with neurolept anesthesia. Boidin MP. **Acta Anaesthesiol Belg** 1985 Jun;36(2):79-87

Edrophonium and neostigmine for reversal of the neuromuscular blocking effect of vecuronium. Engbaek J, et al. **Acta Anaesthesiol Scand** 1985 Jul;29(5):544–6

Dose-response curves for vecuronium during halothane and neurolept anaesthesia: single bolus versus cumulative method. Ording H, et al. **Acta Anaesthesiol Scand** 1985 Jan; 29(1):121–4

Anaesthetic management in experimental orthotopic liver transplantation in the pig. de Lange JJ, et al. **Eur Surg Res** 1984;16(6):360–5

[Antagonistic effects of naloxone in analgesia and neuroleptanalgesia in the dog] Němeček L, et al. **Vet Med (Praha)** 1985 Jan;30(1):59–64 (Eng. Abstr.) **(Cze)**

[Midazolam combined with neuroleptanesthesia as a hypnotic] Cuchet D, et al. **Cah Anesthesiol** 1984 Dec; 32(8):661–4 (Eng. Abstr.) **(Fre)**

[Neuroleptanalgesia for chemical nucleolysis] Noury D, et al. **Cah Anesthesiol** 1984 Sep;32(5):397–401 (Eng. Abstr.) **(Fre)**

[Characteristics of middle-latency auditory evoked potentials in awake and anesthetized patients] Tekalan SA, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Nov; 14(2):115–23 (Eng. Abstr.) **(Fre)**

[Anesthesia-resuscitation problems posed by surgery of Cushing's syndrome] Daoud A, et al. **Tunis Med** 1984 Jan–Feb;62(1):21–3 (Eng. Abstr.) **(Fre)**

[High dosage thalamonal/rohypnol for premedication (letter)] Höfling S. **Anaesthesist** 1985 May;34(5):261–4 **(Ger)**

[Alfentanil for neuroleptanesthesia in short operations] Schockenhoff B, et al. **Anaesthesist** 1985 Jan;34(1):28–31 (Eng. Abstr.) **(Ger)**

[Aortofemoral bifurcation bypass—effect of anesthesia procedure (NLA, thoracic continuous catheter peridural anesthesia) on circulation, respiration and metabolism. Hemodynamic changes caused by peridural anesthesia and anesthesia induction] Seeling W, et al. **Anaesthesist** 1985 May;34(5):217–28 (Eng. Abstr.) **(Ger)**

[Effect of electrical acupuncture on thyroid function during neuroleptic anesthesia in man] Akitomo M, et al. **Masui** 1985 Feb;34(2):156–60 (Eng. Abstr.) **(Jpn)**

[Blood coagulation during halothane anesthesia and neuroleptanalgesia] Hirano H, et al. **Masui** 1984 Jun; 33(6):635–8 (Eng. Abstr.) **(Jpn)**

[Hormonal response to infrarenal aortic cross-clamping and declamping] Kono K, et al. **Masui** 1985 May;34(5):670–5 (Eng. Abstr.) **(Jpn)**

[The study on the effect of spinal function in NLA—as an index of the change in unit activities on lamina V type cells] Nagasaka H. **Masui** 1985 Mar;34(3):280–5 (Eng. Abstr.) **(Jpn)**

[A case report of anesthesia in a shocked obstetric patient complicated with Ehlers-Danlos syndrome] Narita M, et al. **Masui** 1984 Aug;33(8):900–4 (Eng. Abstr.) **(Jpn)**

[Anesthetic management and metabolic control of a patient with von Gierke's disease (glycogen storage disease type I) associated with hepatic adenoma] Saito Y, et al. **Masui** 1984 Dec;33(12):1395–9 (Eng. Abstr.) **(Jpn)**

[Ataractoanesthesia for removal of aldosterone producing tumor] Shirasaki S, et al. **Masui** 1984 Sep;33(9):1003–7 (Eng. Abstr.) **(Jpn)**

[Anesthesia for a patient with Holt-Oram syndrome] Takaoka N, et al. **Masui** 1985 May;34(5):700–3 (Eng. Abstr.) **(Jpn)**

[Anesthesia for a patient with myotonic dystrophy] Tanoue T, et al. **Masui** 1985 May;34(5):692–5 (Eng. Abstr.) **(Jpn)**

[Evaluation of isolated forearm technique for detection of wakefulness during endotracheal intubation procedures] Watanabe A, et al. **Masui** 1984 Aug;33(8):870–4 (Eng. Abstr.) **(Jpn)**

[Antihypertensive effect of nasal nifedipine and its plasma concentration during anesthesia and surgery] Yamaoka H, et al. **Masui** 1985 May;34(5):632–6 (Eng. Abstr.) **(Jpn)**

[Reflexotherapy in combined anesthesia during cesarean section] Zharkin AF, et al. **Akush Ginekol (Mosk)** 1984 Aug;(8):39–40 **(Rus)**

[Effect of anesthesia and surgery on the immune reactions of the body] Khudavertsev GG, et al. **Anesteziol Reanimatol** 1984 Jul–Aug;(4):21–3 (Eng. Abstr.) **(Rus)**

[Anesthesia in the surgical treatment of pheochromocytoma] Suslov VV, et al. **Anesteziol Reanimatol** 1984 Jul–Aug; (4):17–21 (Eng. Abstr.) **(Rus)**

[Adequacy of ataralgesia in abdominal surgical procedures] Togaĭbaev AA, et al. **Anesteziol Reanimatol** 1984 Sep–Oct; (5):66–8 (Eng. Abstr.) **(Rus)**

[Use of needle reflexotherapy as a component of combined anesthesia in thyrotoxicosis] Vasil'kov VG, et al. **Anesteziol Reanimatol** 1984 Jul–Aug;(4):48–50 (Eng. Abstr.) **(Rus)**

[Dynamics of experimental myocardial infarct complicated by cardiogenic shock during treatment with neuroleptanalgesia] Gordadze NG, et al. **Arkh Patol** 1985; 47(4):27–35 (Eng. Abstr.) **(Rus)**

[Changes in the immunological status related to operation and anesthesia in children] Mikhel'son VA, et al. **Klin Khir** 1985;(6):38–40 (Eng. Abstr.) **(Rus)**

[Effect of type II neuroleptanalgesia on T and B lymphocytes] Pacheco M, et al. **Rev Esp Anestesiol Reanim** 1984 Nov–Dec;31(6):225–8 (Eng. Abstr.) **(Spa)**

METHODS

[Long-term electropharmacological anesthesia (5 cases) in postoperative intensive care] Garnier D, et al. **Agressologie** 1984 Nov;25(11):1237–9 (Eng. Abstr.) **(Fre)**

[Peroperative electric analgesia (237 cases)] Garnier D, et al. **Agressologie** 1984 Nov;25(11):1225–9 (Eng. Abstr.) **(Fre)**

[Control of systemic blood pressure changes during surgery for retinal detachment. Comparison of neuroleptanalgesia with or without enflurane] Qui C, et al. **Agressologie** 1984 Jun;25(7):849–52 (Eng. Abstr.) **(Fre)**

[Indications for conscious neuroleptanalgesia and locoregional anesthesia in plastic surgery. Personal experience] Roujas F, et al. **Ann Chir Plast Esthet** 1984; 29(4):363–70 (Eng. Abstr.) **(Fre)**

[Use of small neuroleptanalgesia sub partu] Domke N, et al. **Zentralbl Gynakol** 1984;106(10):666–71 (Eng. Abstr.) **(Ger)**

[Anesthesia for a patient with Nasu-Hakola's disease] Amano N, et al. **Masui** 1984 Dec;33(12):1389–91 (Eng. Abstr.) **(Jpn)**

VETERINARY

[Neuroleptanalgesia under intubation with a laughing gas/oxygen mixture for important neurosurgery in swine (Sus scrofa)] Conzen M, et al. **DTW** 1984 Nov 22; 91(11–12):396–7 (Eng. Abstr.) **(Ger)**

NEUROLEPTIC MALIGNANT SYNDROME see under **BASAL GANGLIA DISEASES**

NEUROLEPTICS see **TRANQUILIZING AGENTS, MAJOR**

NEUROLOGIC EXAMINATION

Newborn neurologic maturity relates more strongly to concurrent somatic development than gestational age. Rush D, et al. **Am J Perinatol** 1983 Oct;1(1):12–20

Neonatal neurologic examinations of very preterm infants: comparison of results with ultrasound diagnosis of periventricular hemorrhage. Stewart AL, et al. **Am J Perinatol** 1983 Oct;1(1):6–11

Neurological soft signs. Their relationship to psychiatric disorder and intelligence in childhood and adolescence. Shaffer D, et al. **Arch Gen Psychiatry** 1985 Apr; 42(4):342–51

Interobserver variability in the assessment of neurologic history and examination in the Stroke Data Bank. Shinar D, et al. **Arch Neurol** 1985 Jun;42(6):557–65

The influence and reliability of neurologic assessment and Karnofsky performance score on prognosis. Milstein JM, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1834–6

The diagnostic value of the neurodevelopmental examination. Farber JM, et al. **Clin Pediatr (Phila)** 1985 Jul;24(7):367–72

Recording motor defects of children with cerebral palsy [letter] Evans PM, et al. **Dev Med Child Neurol** 1985 Jun; 27(3):404–6

The significance of preoperative neurological disorders in predicting outcome of cervical spondylotic myelopathy after surgery. Signorini GC, et al. **J Neurosurg Sci** 1984 Apr–Jun;28(2):89–92

Is the neurologic examination becoming obsolete? Ziegler DK. **Neurology** 1985 Apr;35(4):559

An illness severity score for multiple sclerosis. Mickey MR, et al. **Neurology (NY)** 1984 Oct;34(10):1343–7

A neurologic rating scale (NRS) for use in multiple sclerosis. Sipe JC, et al. **Neurology (NY)** 1984 Oct;34(10):1368–72

Construction of an Infant Neurological International Battery (Infanib) for the assessment of neurological integrity in infancy. Ellison PH, et al. **Phys Ther** 1985 Sep; 65(9):1326–31

[Further experience with tests of primitive locomotion in infants and preschool-age children] Lesný I. **Cesk Neurol Neurochir** 1985 Mar;48(2):89–94 (Eng. Abstr.) **(Cze)**

[Test of primitive locomotion in a group of patients treated at the Zeleznice Spa] Lesný I, et al. **Cesk Pediatr** 1985 Feb;40(2):91–3 (Eng. Abstr.) **(Cze)**

[Value of a neurologic assessment when faced with the discovery of a cervical lesion using the Doppler method] Guard O. **J Mal Vasc** 1985;10 Suppl A:144–8 (Eng. Abstr.) **(Fre)**

[Advances in neurological maturation in various pathological pregnancies] Amiel-Tison C. **Prog Clin Biol Res** 1985; 163A:157–67 **(Fre)**

[Use of the Steinbuch learn matrix for the formation of a regression model with binary variables] Prinz B. **DTW** 1985 Feb 7;92(2):75–9 (Eng. Abstr.) **(Ger)**

[Clinical value of neurologic methods used in the detection of mild motor deficits] Glós J, et al. **Cesk Neurol Neurochir** 1984 Sep;47(5):323–7 (Eng. Abstr.) **(Slo)**

INSTRUMENTATION

Advances in neonatal neurology. Ouvrier RA. **Brain Dev** 1984;6(6):520–7

METHODS

A review of the Amiel-Tison neurologic evaluation of the newborn and infant. McCarraher-Wetzel AP, et al. **Am J Occup Ther** 1984 Sep;38(9):585–93

The craniotomy patient. Identifying the patient's neurological status. Savoy SM. **AORN J** 1984 Nov;40(5):716–24

Neurologic examination in stroke rehabilitation: adequacy of its description in clinical textbooks. Turney TM, et al. **Arch Phys Med Rehabil** 1985 Feb;66(2):92–4

Predictive validity of the 'Movement Assessment of Infants'. Harris SR, et al. **J Dev Behav Pediatr** 1984 Dec;5(6):336–42

Electroneurographic correlates of the monosynaptic reflex: experimental studies and normative data. Abbruzzese M, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):434–44

Sympathetic skin response [letter] Martyn CN, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):490

Sympathetic skin response [letter] Montagna P, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):489–90

The spoon test: a simple bedside test for assessing sudomotor autonomic failure. Tsementzis SA, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr;48(4):378–80

Alterations in movement: nursing assessment and implications. Konikow NS. **J Neurosurg Nurs** 1985 Feb; 17(1):61–5

The neuro-ophthalmic examination. Beck RW, et al. **Neurol Clin** 1983 Nov;1(4):807–30

Possibilities and limitations of the H-reflex test in the diagnosis of diseases of the nervous system. Novikova VP. **Neurosci Behav Physiol** 1985 Mar–Apr;15(2):167–72

A neurologist's approach to a patient with hearing impairment. Barbour PJ. **Otolaryngol Clin North Am** 1985 May;18(2):205–21

[Neurologic evaluation of the low-risk newborn infant in the first hours of life] Amiel-Tison C. **Ann Pediatr (Paris)** 1985 Jan;32(1):9–18 (Eng. Abstr.) **(Fre)**

[Cerebral palsy at 1 year of age. Proposal for evaluating motor disorders] Grenier A. **Ann Pediatr (Paris)** 1985 Jan; 32(1):47–51 (Eng. Abstr.) **(Fre)**

[Convalescence of the newborn infant at risk] Grenier A. **Ann Pediatr (Paris)** 1985 Jan;32(1):41–5 (Eng. Abstr.) **(Fre)**

[Neurologic evaluation of the newborn infant during the first week in the mother's room] Hernandorena X. **Ann Pediatr (Paris)** 1985 Jan;32(1):21–4 (Eng. Abstr.) **(Fre)**

[Procedure for testing auditory brain stem responses in the healthy adult and child—methodologic considerations] Mininni F. **Acta Otorhinolaryngol Ital** 1984;4 Suppl 3:75–82 **(Ita)**

[Differential diagnosis of parkinsonism based on a semiquantitative scoring system—chiefly to discriminate two major causes, paralysis agitans and vascular parkinsonism] Saito T, et al. **Rinsho Shinkeigaku** 1985 May; 25(5):591–6 (Eng. Abstr.) **(Jpn)**

[A study of neonatal behavioral characteristics: The relationship between Brazelton Neonatal Behavioral Assessment Scale and infant-perception by nurses] Takeuchi M. **Shinrigaku Kenkyu** 1984 Dec;55(5):296–302 (Eng. Abstr.) **(Jpn)**

[Contribution to the study of minor neurologic signs in clinical psychiatry] de la Gándara Martín JJ. **Arch Neurobiol (Madr)** 1985 Jan–Feb;48(1):26–50 (Eng. Abstr.) **(Spa)**

STANDARDS

[Standardized monitoring of brain function] Zettler H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Oct; 36(10):604–11 (Eng. Abstr.) **(Ger)**

NEUROLOGIC MANIFESTATIONS

Neurological recovery after cardiac arrest: clinical feasibility trial of calcium blockers. Schwartz AC. **Am J Emerg Med** 1985 Jan;3(1):1–10

Hypoglycemia: causes, neurological manifestations, and outcome. Malouf R, et al. **Ann Neurol** 1985 May; 17(5):421–30

Neurological complications of pulmonary arteriovenous malformations. Dennis MS. **Br Med J [Clin Res]** 1985 May 11;290(6479):1392–3

DIAGNOSIS

Fasciculation of the eyelids: an additional clue to clinical diagnosis in spinal muscular atrophy. Skouteli H, et al. **Neuropediatrics** 1984 Aug;15(3):145–6

[Superior oblique myokymia] Schlein N, et al. **Harefuah** 1984 Sep;107(5–6):127–8 (Eng. Abstr.) **(Heb)**

ENZYMOLOGY

Violent fasciculations may not signal pseudocholinesterase deficiency [letter] Sosis M. **Anesth Analg** 1985 May; 64(5):557–8

ETIOLOGY

Marathon running and muscle fasciculation [letter] Porter AM. **Br J Sports Med** 1985 Jun;19(2):99

Facial myokymia—a false localizing sign in obstructive communicating hydrocephalus. A case report. Sandyk R. **Eur Neurol** 1985;24(2):112–4

[A case of facial contracture in acute polyradiculopathy with electromyographic myokymia and permanent activity. Regressive development] Bastard J, et al. **Rev Otoneuroophtalmol** 1984 Jul–Dec;56(4–5):379–88 (Eng.

Abstr.) (Fre)

[Study on the pathogenesis of myokymia, hyperhidrosis and increased urinary excretion of catecholamine after thymectomy in Myasthenia gravis] Kawamura T, et al. **Rinsho Shinkeigaku** 1984 Jul;24(7):723-8 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

[Isaacs' syndrome (neuromyotonia or syndrome of continuous muscle fiber activity)--report of a case] Tang XF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1984 Apr; 17(2):105-7 (Eng. Abstr.) (Chi)

PREVENTION & CONTROL

Diazepam does not prevent succinylcholine-induced fasciculations and myalgia. A comparative evaluation of the effect of diazepam and d-tubocurarine pretreatments. Manchikanti L. **Acta Anaesthesiol Scand** 1984 Oct; 28(5):523-8

NEUROLOGY

see related
NERVOUS SYSTEM DISEASES

James Spence Medallist, 1985. Neil Simson Gordon. Tizard P. **Arch Dis Child** 1985 Jul;60(7):603-4

Sleep disorders medicine. How neurological? Culebras A. **Arch Neurol** 1985 Jun;42(6):600-1

Norman Geschwind. Damasio AR, et al. **Arch Neurol** 1985 May;42(5):500-4

The scope of neurologic practice. Evidence from a practice study. Menken M. **Arch Neurol** 1985 Apr;42(4):386-7

Sleep disorders medicine. How Neurological? Mitler MM. **Arch Neurol** 1985 Jun;42(6):601-2

Pediatric neurology in Israel [news] Gadoth N. **Brain Dev** 1985;7(1):80

Computer applications in cell and neurobiology: a review. Mize RR. **Int Rev Cytol** 1984;90:83-124 (214 ref.)

Converging sectors of psychoanalysis and neurobiology: mutual challenge and opportunity. Reiser MF. **J Am Psychoanal Assoc** 1985;33(1):11-34

Neuro-ophthalmology in the recent European literature. Part III. Heredodegenerations, stroke, pain, and diagnostic techniques. Safran AB. **J Clin Neuro Ophthalmol** 1984 Dec; 4(4):275-84 (68 ref.)

Symbolic coordinate anatomy for neurology (SCAN). Banks G, et al. **J Med Syst** 1984 Jun;8(3):157-62

Profile on people: Pamela Mitchell [interview by Hillary Lipe] Mitchell P. **J Neurosurg Nurs** 1985 Apr;17(2):74-6

Gloomy outlook for young neuroscientists [news] Blakeslee S. **Nature** 1984 Nov 8-14;312(5990):91

Symposium on borderland between neurology and psychiatry. **Neurol Clin** 1984 Feb;2(1):1-175

Symposium on neuro-ophthalmology. **Neurol Clin** 1983 Nov; 1(4):787-995

Declaration of brain death in neurosurgical and neurological practice. Black PM, et al. **Neurosurgery** 1984 Aug; 15(2):170-4

Chronic neurologic disease. Easing the special problems of long-term care. Malden M. **Postgrad Med** 1984 Dec; 76(8):101-4, 109, 112

Factors affecting the reliability of an objective structured clinical examination (OSCE) test in neurology. Gledhill RF, et al. **S Afr Med J** 1985 Mar 23;67(12):463-7

Frank B. Walsh, M.D. The father of neuroophthalmology. Udvarhelyi GB. **Surg Neurol** 1985 Feb;23(2):93-5

[French Society of Neurology. List of members (1985)] **Rev Neurol (Paris)** 1985;141(1):65-79 (Fre)

[Neurology in Norway] Bartko D. **Cesk Neurol Neurochir** 1985 Mar;48(2):127-32 (Slo)

[Research program in the field of neurology and psychiatry. Projection for research in the 8th 5-year-plan] Bartko D. **Cesk Neurol Neurochir** 1985 Jan;48(1):7-12 (Slo)

[A study visit to Japan] Gogolak I. **Cesk Neurol Neurochir** 1985 Jan;48(1):40-4 (Slo)

EDUCATION

Reflections on the teaching of neurology. Herzberg L. **Med J Aust** 1985 Mar 4;142(5):309-12

The case of neurology [letter] **N Engl J Med** 1985 Feb 7; 312(6):379-82

Undergraduate education in the medical specialties: the case of neurology. Menken M, et al. **N Engl J Med** 1984 Oct 18;311(16):1045-8

[What is undergraduate training in neurology like?] Bartko D. **Cesk Neurol Neurochir** 1985 Jul;48(4):197-200 (Slo)

HISTORY

History of the Boston Society of Psychiatry and Neurology. Epstein SH. **Arch Neurol** 1985 Apr;42(4):391-2

Neurology and neurosurgery in Hawaii over 45 years--a personal reminiscence. Cloward RB. **Hawaii Med J** 1984 Dec;43(12):444-8 passim

Erasmus Darwin's observations on rotation and vertigo. Cohen B. **Hum Neurobiol** 1984;3(3):121-8

Outline of the history of the Section of Neurology of the Royal Society of Medicine. Schurr PH. **J R Soc Med** 1985 Feb;78(2):146-8

The development of clinical neurology in Tennessee. Freemon FR. **J Tenn Med Assoc** 1985 Feb;78(2):78-80

Neuro-ophthalmology according to Gordon Holmes. Lepore FE. **Neurol Clin** 1983 Nov;1(4):789-805

The birth of American neurology and highlights from the first 100 years of the Philadelphia Neurological Society, 1884-1984. McHenry LC Jr. **Neurology** 1985 Sep; 35(9):1326-30

A medical perspective. Aring CD. **Neurology (NY)** 1984 Oct; 34(10):1357-61

[Reminder of the 65th anniversary of the founding of the Purkinje Society for the Study of the Psyche and Nervous System, 80 years of the existence of the 1st Czech psychiatric journal] Mečíř J. **Cesk Psychiatr** 1984 Dec; 80(6):353-8 (Cze)

[Ramón y Cajal's life-work and its changing evaluation. A contribution on the occasion of the 50th anniversary of his death] Kirsche W. **Z Mikrosk Anat Forsch** 1984; 98(5):641-58 (Eng. Abstr.) (Ger)

[History of the Wrocław Neurological Clinic] Falkiewiczowa S. **Neurol Neurochir Pol** 1984 May-Jun;18(3):303-9 (Pol)

[60th anniversary of the Byelorussian Scientific-Research Institute of Neurology, Neurosurgery and Physiotherapy] Antonov IP, et al. **Zh Nevropatol Psikhiatr** 1985; 85(6):911-4 (Rus)

[50th anniversary of the Department of Neuropathology and Neurosurgery of Vitebsk Medical School] Burlutskiĭ AP, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):600-1 (Rus)

[100th anniversary of the Department of Nervous Diseases of Khar'kov Medical Institute] Dubenko EG, et al. **Zh Nevropatol Psikhiatr** 1985;85(1):134 (Rus)

[Soviet neuropathology during World War II] Kanareĭkin KF, et al. **Zh Nevropatol Psikhiatr** 1985;85(5):642-5 (Rus)

[Memorable and jubilee dates of neuropathology and psychiatry in 1985] Rokhlin LL, et al. **Zh Nevropatol Psikhiatr** 1985;85(1):122-33 (Rus)

[Hearing disorders as a result of brain injuries during the war years] Alekseenko NIu. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr;35(2):383-6 (Rus)

[The Neurology Clinic and Institute of Neuropathology at the University of Zagreb Medical School] Barac B. **Neurologija** 1984;33(3-4):113-34 (Eng. Abstr.) (Ser)

[The centenary of neurology in Spain] Acarín N. **Med Clin (Barc)** 1985 Jan 12;84(1):27-9 (Spa)

INSTRUMENTATION

New intraventricular catheter for volume pressure response measurements. Gorecki J, et al. **Can J Neurol Sci** 1984 Nov; 11(4):479-80

An electronic device for accurate quantification of neuronal mass activity based on a digital integration method. Schmid K, et al. **J Neurosci Methods** 1984 Aug;11(3):159-67

MANPOWER

The geographic maldistribution of neurologists. One state's experience. Menken M. **Arch Neurol** 1985 Sep; 42(9):897-900

Consequences of an oversupply of specialists. The case of neurology. Menken M, et al. **JAMA** 1985 Apr 5; 253(13):1926-8

Estimating physician requirements for neurology [letter] Menken M. **Neurology** 1985 Oct;35(10):1529-30

Consequences of an oversupply of specialists for primary and specialty care: the case of neurology. Menken M, et al. **Public Health Rev** 1984;12(3-4):253-7

METHODS

Hip flexion-abduction to elicit asterixis in unresponsive patients. Noda S, et al. **Ann Neurol** 1985 Jul;18(1):96-7

Cross species extrapolation and hazard identification in neurotoxicology. Dyer RS. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):409-11

Planning experiments relevant to public policy: peripheral nerve electrical activity. Jewett DL. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):419-24

[Use of nuclear magnetic resonance in neurology (review)] Kossovoĭ AL. **Zh Nevropatol Psikhiatr** 1984;84(10):1574-8 (37 ref.) (Rus)

STANDARDS

Getting it published [editorial] Bax M. **Dev Med Child Neurol** 1984 Dec;26(6):707-8

Whither neurology? Martin JB. **N Engl J Med** 1984 Oct 18; 311(16):1048-50

Medical ethics in neurology and neurosurgery. Black PM. **Neurol Clin** 1985 May;3(2):215-28 (42 ref.)

[Professorial patient rounds in a nervous diseases clinic] Khodos KhG. **Zh Nevropatol Psikhiatr** 1985;85(6):930-3 (Rus)

TRENDS

Neuro-oncology: a maturing discipline. Obbens EA, et al. **Clin Neurol Neurosurg** 1984;86(4):251-3

Recent advances in neural science: clinical implications. Murphree HB. **Clin Ther** 1985;7(2):132-42 (58 ref.)

[Advances in neuroimmunological research] Hou XD, et al. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Apr; 18(2):119-23 (43 ref.) (Chi)

[The role of a child neurologist in Sapporo Child Welfare Center] Ishikawa A. **No To Hattatsu** 1985 Jul;17(4):287-92 (Eng. Abstr.) (Jpn)

[Neonatal neurology] Czochańska J. **Pediatr Pol** 1984 Jul; 59(7):525-6 (Pol)

NEUROLYMPHOMATOSIS see **MAREK'S DISEASE**

NEUROLYMPHOMATOSIS VIRUS see **MAREK'S DISEASE VIRUS**

NEUROMA

Unusual Gorlin cyst with traumatic neuroma. Zachariades N. **J Oral Med** 1985 Apr-Jun;40(2):87-90, 97

COMPLICATIONS

Posttraumatic neuroma of the median nerve: a cause of carpal tunnel syndrome. Martinelli P, et al. **Eur Neurol** 1985; 24(1):13-5

DIAGNOSIS

Importance of early diagnosis and follow-up in multiple endocrine neoplasia (MEN II B). Frank K, et al. **Eur J Pediatr** 1984 Dec;143(2):112-6

Symptomatic incisional neuromas on the dorsum of the foot. Kenzora JE. **Foot Ankle** 1984 Jul-Aug;5(1):2-15

Neuroma with causalgic symptoms. Miller HG. **J Am Podiatry Assoc** 1984 Sep;74(9):451-3

High resolution O2 computed meatocisternography in the differential diagnosis of internal auditory canal pathology. Bassi P, et al. **Neuroradiology** 1985;27(1):26-31

ETIOLOGY

Polypoid traumatic neuroma of the gallbladder. Sano T, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):574-6

Traumatic neuroma of the intestine. Chandrasoma P, et al. **Gastrointest Radiol** 1985;10(2):161-2

The relationship between foot structure and intermetatarsal neuromas. Wachter SD, et al. **J Foot Surg** 1984 Nov-Dec; 23(6):436-9

Traumatic neuroma occurring at a site of intraosseous wiring 15 years after the operation. Zachariades N. **J Oral Med** 1985 Jul-Sep;40(3):142-3

Amputation neuroma of the orbit. Report of two cases and review of the literature. Messmer EP, et al. **Ophthalmology** 1984 Nov;91(11):1420-3

Alteration of neuroma formation by manipulation of its microenvironment. Mackinnon SE, et al. **Plast Reconstr Surg** 1985 Sep;76(3):345-53

Lateral antebrachial cutaneous nerve injury as a complication of phlebotomy. Yuan RT, et al. **Plast Reconstr Surg** 1985 Aug;76(2):299-300

FAMILIAL & GENETIC

[Familial mucosal neuromatosis: a minor form of the MEN-2b syndrome] Valentines J, et al. **J Fr Ophtalmol** 1984;7(6-7):479-84 (Eng. Abstr.) (Fre)

METABOLISM

[Significance of free radicals in the cytotoxic process of hyperthermia] Gi H. **Nippon Geka Hokan** 1984 Nov 1; 53(6):742-55 (Eng. Abstr.) (Jpn)

PATHOLOGY

Spontaneous neuroma of the bile duct: a case report. Sugahara K, et al. **Am J Gastroenterol** 1985 Oct; 80(10):807-9

Morton's neuroma: a microscopic evaluation. Graham CE, et al. **Foot Ankle** 1984 Nov-Dec;5(3):150-3

[Neural proliferation as a concomitant finding in neoplasias and benign ectopias of the uterine cervix] Bajardi F. **Zentralbl Gynakol** 1985;107(4):227-36 (Eng. Abstr.) (Ger)

[Benign tumors of the bile ducts] Brandalise NA, et al. **Arq Gastroenterol** 1984 Jan-Mar;21(1):23-8 (Eng. Abstr.) (Por)

PHYSIOPATHOLOGY

Neural activity originating from a neuroma in the baboon. Meyer RA, et al. **Brain Res** 1985 Jan 28;325(1-2):255-60

Effects of potassium channel-blocking agents on spontaneous discharges from neuromas in rats. Burchiel KJ, et al. **J Neurosurg** 1985 Aug;63(2):246-9

Discharge pattern of afferent fibers from a neuroma. Blumberg H, et al. **Pain** 1984 Dec;20(4):335-53

SURGERY

The carbon dioxide laser in podiatric medicine. Kaplan BR, et al. **Clin Podiatry** 1985 Jul;2(3):519-22

Intraosseous nerve transposition for treatment of painful neuromas. Goldstein SA, et al. **J Hand Surg [Am]** 1985 Mar;10(2):270-4

THERAPY

[Animal experiments of neuroma treatment with histoacryl] Martini AK. **Handchir Mikrochir Plast Chir** 1985 Mar; 17(2):78-80 (Eng. Abstr.) (Ger)

ULTRASTRUCTURE

The pathobiology of human neuromas: an electron microscopic and biochemical study. Badalamente MA, et al. **J Hand Surg [Br]** 1985 Feb;10(1):49-53

NEUROMA, ACOUSTIC

BLOOD SUPPLY

Acoustic and spinal neurilemmomas: a study of vascular pattern. Abhyankar SC, et al. **J Postgrad Med** 1984 Apr; 30(2):101-4

COMPLICATIONS

Acoustic neuromas presenting as sudden deafness. Sataloff RT, et al. **Am J Otol** 1985 Jul;6(4):349-52

Acoustic neuroma presenting as sudden hearing loss. Chow JM, et al. **Am J Otolaryngol** 1985 Mar-Apr;6(2):115-9

Sensorineural and vascular changes in an ear with acoustic neurinoma. Johnsson LG, et al. **Am J Otolaryngol** 1984 Jan-Feb;5(1):49-59

An unusual presentation of acoustic neuroma. Terry RM. **J Laryngol Otol** 1985 Jun;99(6):593-5

[Case of acoustic neurinoma with intratumoral hemorrhage extending to cerebellar hemisphere] Ihara T, et al. **No Shinkei Geka** 1984 Aug;12(9):1101-5 (Eng. Abstr.) **(Jpn)**

[Subarachnoid hemorrhage in acoustic neuroma] Majchrzak H, et al. **Neurol Neurochir Pol** 1985 Jan-Feb;19(1):59-61 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Electrocochleography (ECochG) and brain stem evoked response recordings (BSER) in the diagnosis of acoustic neuromas. Gerhardt HJ, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):384-6

Panel discussion. Pitfalls in CPA pathology. **Adv Otorhinolaryngol** 1984;34:110-20

Evaluation of diagnostic routine in cerebellopontine angle pathology. Cremers CW. **Adv Otorhinolaryngol** 1984; 34:104-9

Space-occupying lesions of the internal auditory meatus and cerebellopontine angle. Morrison AW, et al. **Adv Otorhinolaryngol** 1984;34:121-42 (11 ref.)

Neurological diagnosis of pathology in the cerebellopontine angle. Verhagen WI, et al. **Adv Otorhinolaryngol** 1984; 34:80-8

Acoustic neuromas: evaluation by magnetic resonance imaging. Kingsley DP, et al. **AJNR** 1985 Jan-Feb;6(1):1-5

MR imaging of the acoustic nerves and small acoustic neuromas at 0.6 T: prospective study. New PF, et al. **AJR** 1985 May;144(5):1021-6

Changing concepts of acoustic neuroma diagnosis. Barrs DM, et al. **Arch Otolaryngol** 1985 Jan;111(1):17-21

From the aerospace medicine residents' teaching file: an aviator with acoustic neuroma [clinical conference] Parmet AJ, et al. **Aviat Space Environ Med** 1984 Dec;55(12):1151-3

Patients with an acoustic neurinoma examined with a tilting room. de Vries N, et al. **Clin Otolaryngol** 1985 Apr; 10(2):103-8

Pitfalls in the diagnosis of acoustic neuroma. Flood LM, et al. **Clin Otolaryngol** 1984 Jun;9(3):165-70

Differentiation of cerebellopontine angle neuromas and meningiomas with MR imaging. Mikhael MA, et al. **J Comput Assist Tomogr** 1985 Sep-Oct;9(5):852-6

Stroke due to atrial myxoma in a young woman with co-existing acoustic neuroma and pituitary adenoma [letter] Gorman P, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul; 48(7):718-9

NMR imaging of acoustic neurinoma. Bocquet M, et al. **J Neuroradiol** 1984;11(4):263-73 **(Eng, Fre)**

Electrophysiology-CT correlations in exploration for acoustic neurinoma. Bonafé A, et al. **J Neuroradiol** 1985; 12(1):61-70 **(Eng, Fre)**

Acoustic Neuroma Suspicion Index: an aid to investigation and diagnosis. Windle-Taylor PC, et al. **Laryngoscope** 1984 Nov;94(11 Pt 1):1464-7

High resolution O2 computed meatocisternography in the differential diagnosis of internal auditory canal pathology. Bassi P, et al. **Neuroradiology** 1985;27(1):26-31

Magnetic resonance imaging of acoustic neuromas. DeFilipp GJ, et al. **Neurosurgery** 1985 Jun;16(6):763-5

[Diagnosis of tumors of the statoacoustic nerve] Hahn A, et al. **Cesk Otolaryngol** 1985 Jul;34(4):236-9 (Eng. Abstr.) **(Cze)**

[Disorders of the cerebellopontile angle] Cremers CW, et al. **Ned Tijdschr Geneeskd** 1985 Jun 22;129(25):1174-9 **(Dut)**

[Acoustic neuroma: from neurological to otological diagnosis] Schulte BP. **Ned Tijdschr Geneeskd** 1985 Jun 22;129(25):1169-72 **(Dut)**

[Clinical aspects and diagnosis of acoustic neurinomas] Tackmann W, et al. **Fortschr Neurol Psychiatr** 1985 Aug; 53(8):291-301 (Eng. Abstr.) **(Ger)**

[Otoneurological evaluation of the acoustic tumor, with special reference to the diagnosis of small tumors] Kusakari J, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Aug; 87(8):923-35 (Eng. Abstr.) **(Jpn)**

[Tumor of the cerebellopontile angle associated with tympanosclerosis] Pośpiech L, et al. **Otolaryngol Pol** 1984; 38(4):349-54 (Eng. Abstr.) **(Pol)**

[Use of focused ultrasound in the megahertz range in the diagnosis of acoustic neuroma] Antipov VI, et al. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):32-5 (Eng. Abstr.) **(Rus)**

[Electromyography study of facial nerve function in the diagnosis of acoustic neuroma] Fel'berbaum RA. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):38-41 (Eng. Abstr.) **(Rus)**

[Use of brain stem auditory evoked potentials in the diagnosis of retrocochlear pathology] Khechinashvili SN, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):23-8 (Eng. Abstr.) **(Rus)**

[Recording of ipsilateral and contralateral acoustic reflexes in acoustic neuroma] Sagalovich BM, et al. **Vestn Otorinolaringol** 1985 Mar-Apr;(2):12-7 (Eng. Abstr.) **(Rus)**

[Value of 3-dimensional hearing examination in the audiologic diagnosis of acoustic neurinoma] Sagalovich BM, et al. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):40-4 (Eng. Abstr.) **(Rus)**

[Neurinomas of the acoustic nerve in childhood and adolescence] Zemskaia AG, et al. **Zh Vopr Neirokhir** 1984 Nov-Dec;(6):7-12 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effects of dexamethasone treatment on acoustic neuromas: evaluation by computed tomography. Hatam A, et al. **J Comput Assist Tomogr** 1985 Sep-Oct;9(5):857-60

FAMILIAL & GENETIC

Central neurofibromatosis. Huson SM, et al. **Q J Med** 1985 Jun;55(218):213-24

[A family of von Recklinghausen's disease associated with bilateral acoustic neurinomas and falx meningiomas] Araki Y, et al. **No To Shinkei** 1984 Jul;36(7):641-8 (Eng. Abstr.) **(Jpn)**

[A family of von Recklinghausen's neurofibromatosis complicated by mononeuritis multiplex, bilateral acoustic neurinomas, and falx and spinal meningiomas] Mori M, et al. **No To Shinkei** 1985 Apr;37(4):403-6 (Eng. Abstr.) **(Jpn)**

[Meningioma and acoustic neurinoma occurring in two siblings of two different families] Yamanaka C, et al. **No To Shinkei** 1984 Oct;36(10):957-68 (Eng. Abstr.) **(Jpn)**

HISTORY

Some historical remarks on acoustic neuroma. Hoogland GA. **Adv Otorhinolaryngol** 1984;34:3-7

PATHOLOGY

Acoustic neurinomas. Nager GT. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):245-61

The growth rate of acoustic neuromas: a report of three cases. Zöllner C, et al. **Arch Otorhinolaryngol** 1985;241(3):259-64

Intralabyrinthine acoustic neurinomas. Babin RW, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):455-61

Preoperative and postoperative growth rates in acoustic neuromas documented with CT scanning. Wazen J, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):151-5

PHYSIOPATHOLOGY

Intracranially recorded compound action potentials from the human trigeminal nerve. Ridderheim PA, et al. **Electroencephalogr Clin Neurophysiol** 1985 Aug; 61(2):138-40

[Peculiarly slow development of several acoustic neuromas. Management] Martin C, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(1):19-29 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Radiological diagnosis of pathology in the cerebellopontine angle. Thijssen HO, et al. **Adv Otorhinolaryngol** 1984; 34:71-9 (21 ref.)

Radiologic evaluation of eighth nerve tumors. Valvassori GE. **Am J Otolaryngol** 1984 Jul-Aug;5(4):270-80

Radiologic evaluation of the acoustic neuroma. Creed L, et al. **Ariz Med** 1984 Nov;41(11):739-43 (17 ref.)

High resolution CT air cisternography in the diagnosis of small and intracanalicular acoustic tumor. Khanjanasthiti P, et al. **J Med Assoc Thai** 1984 Dec;67(12):646-53

Contribution of air-CT cisternography to the diagnosis of small acoustic neurinomas. Guibert-Tranier F, et al. **J Neuroradiol** 1984;11(3):179-86 **(Eng, Fre)**

Air contrast computed tomography in diagnosis of small acoustic neuromas [letter] Braun IF. **Laryngoscope** 1984 Nov;94(11 Pt 1):1517

Diagnostic potential of CT in neurotological disorders. Mafee MF, et al. **Laryngoscope** 1985 May;95(5):505-14

Virtues and vagaries of high-resolution CT air cisternography in the diagnosis of acoustic neuromas. Johnson DW, et al. **Otolaryngol Head Neck Surg** 1985 Apr; 93(2):156-60

[Pneumocisternography in the diagnosis of small acoustic neuromas] Wu EH. **Chung Hua I Hsueh Tsa Chih** 1984 Dec;64(12):766-7 **(Chi)**

[Radiologic diagnosis of acoustic neurinoma. Apropos of 130 patients] Sarrat P, et al. **J Radiol** 1985 Jan;66(1):31-7 (Eng. Abstr.) **(Fre)**

[Efficiency of radiodiagnosis of acoustic neurinomas. Changes in the clarification procedure within the last 10 years] Nidecker A, et al. **ROFO** 1985 Jan;142(1):56-63 (Eng. Abstr.) **(Ger)**

[Computer tomography in the diagnosis of neurinomas of the acoustic nerve] Kornienko VN, et al. **Zh Vopr Neirokhir** 1985 Jul-Aug;(3):25-31 (Eng. Abstr.) **(Rus)**

[Computer tomography in the diagnosis of neurinomas of the 8th nerve] Kossovoi AL. **Zh Vopr Neirokhir** 1984 Jul-Aug;(4):53-6 (40 ref.) **(Rus)**

SURGERY

Hearing preservation in acoustic neurinoma surgery. Palva T, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb; 99(1-2):1-7

Pre- and postoperative facial nerve testing in patients with acoustic neuromas. Thomsen J, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):239-44

Panel discussion. Treatment of CPA pathology. **Adv Otorhinolaryngol** 1984;34:193-201

Complications of acoustic neuroma surgery. Dawes JD, et al. **Adv Otorhinolaryngol** 1984;34:156-9

Acoustic neuroma surgery in Nijmegen. Hoogland GA, et al. **Adv Otorhinolaryngol** 1984;34:150-5

Suboccipital (retrosigmoidal) approach for cerebellopontine angle tumours. Meijer E, et al. **Adv Otorhinolaryngol** 1984; 34:143-9

Vestibular compensation after acoustic neuroma surgery. Pfaltz CR, et al. **Adv Otorhinolaryngol** 1984;34:164-75

Preservation of hearing by the retrosigmoid approach in acoustic neuroma surgery. Sterkers JM, et al. **Adv Otorhinolaryngol** 1984;34:187-92

Our present approach to acoustic neuroma surgery. Sterkers JM, et al. **Adv Otorhinolaryngol** 1984;34:160-3

Preservation and reconstruction of the facial nerve after translabyrinthine removal of 200 acoustic neuromas. Tos M, et al. **Adv Otorhinolaryngol** 1984;34:176-86

Technique of hearing preservation in small acoustic neuromas. Jannetta PJ, et al. **Ann Surg** 1984 Oct; 200(4):513-23

Outcome standards at work. A neurosurgical case study. England EF. **AORN J** 1984 Oct;40(4):582-3, 586-7, 591

Management of acoustic neuromas, 1978-1983. Harner SG, et al. **J Neurosurg** 1985 Aug;63(2):175-9

Use of intraoperative auditory evoked potentials to preserve hearing in unilateral acoustic neuroma removal. Ojemann RG, et al. **J Neurosurg** 1984 Nov;61(5):938-48

Preservation of hearing in patients undergoing excision of acoustic neuromas and other cerebellopontine angle tumors. Tator CH, et al. **J Neurosurg** 1985 Aug; 63(2):168-74

Hearing preservation after removal of acoustic neurinoma. Harner SG, et al. **Laryngoscope** 1984 Nov;94(11 Pt 1):1431-4

Conservative management of acoustic neuroma in the elderly patient. Silverstein H, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):766-70

Cerebrospinal fluid leak after translabyrinthine surgery for acoustic neuroma. Tos M, et al. **Laryngoscope** 1985 Mar; 95(3):351-4

Reconstruction of the facial nerve in acoustic neurinoma surgery. Juxtapontine-intratemporal nerve graft. Perneczky A, et al. **Neurol Res** 1984 Sep;6(3):139-44

Surgery of the posterior fossa. Glasscock ME 3d, et al. **Otolaryngol Clin North Am** 1984 Aug;17(3):483-97

Restoration of speech discrimination following suboccipital, transmeatal excision of extracanalicular acoustic neuroma. Cohen NL, et al. **Otolaryngol Head Neck Surg** 1985 Feb; 93(1):126-31

Acoustic tumors: preoperative measurement and correlation with postoperative facial nerve function. Ruth HR, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):160-3

Vasospasm after acoustic neuroma removal. de Almeida GM, et al. **Surg Neurol** 1985 Jan;23(1):38-40

Hearing preservation in surgery for acoustic neuroma. Mikaelian DO, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter; 37(2):255-8

[Anomalies of the respiratory control system in surgery of acoustic neurinomas] Clergue F, et al. **Agressologie** 1985 May;26(5):433-5 (Eng. Abstr.) **(Fre)**

[Effects of the ventral decubitus position on hemodynamic parameters] Cros AM, et al. **Agressologie** 1985 Apr; 26(4):353-7 (Eng. Abstr.) **(Fre)**

[Per- and postoperative complications of surgery of acoustic neurinomas] Mangez JF, et al. **Agressologie** 1985 May; 26(5):429-30 **(Fre)**

[Postoperative complications of acoustic neurinoma surgery by the posterior fossa: apropos of 60 cases] Milacic M, et al. **Agressologie** 1985 May;26(5):437-8 **(Fre)**

[Surgery of large neurinomas of the acoustic nerve performed only by the translabyrinthine approach. Apropos of 50 cases] Desgeorges M, et al. **Neurochirurgie** 1984; 30(6):355-64 (Eng. Abstr.) **(Fre)**

[Results of 110 microsurgical acoustic neuroma operations] Samii M, et al. **Eur Arch Psychiatry Neurol Sci** 1984; 234(1):42-7 (Eng. Abstr.) **(Ger)**

[Removal of acoustic neuromas of the cerebellopontile angle with transtemporal approach by the middle cranial fossa] Wigand ME, et al. **HNO** 1985 Jan;33(1):11-6 (Eng. Abstr.) **(Ger)**

[Treatment of large tumors of the cerebellopontile angle using a combined transtentorial and translabyrinthine approach to the middle cranial fossa] Paini G, et al. **Acta Biomed Ateneo Parmense** 1984;55(3-4):173-80 (Eng. Abstr.) **(Ita)**

[Simultaneous ABR and electrocochleogram (ECoG) recording during cerebellopontine angle surgery] Kobayashi T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep;87(9):1096-102 (Eng. Abstr.) **(Jpn)**

[Lateral suboccipital approach to acoustic neurinomas] Kobayashi S, et al. **No Shinkei Geka** 1985 Apr;13(4):357-64 **(Jpn)**

[Microsurgical technique of posterior fossa transmeatal approach for acoustic neurinoma--preservation of facial and cochlear nerves] Sato O, et al. **No Shinkei Geka** 1984 Jun;12(7):779-84 **(Jpn)**

THERAPY

Nonsurgical management of small and intracanalicular acoustic tumors. Clark WC, et al. **Neurosurgery** 1985 Jun;16(6):801-3

ULTRASTRUCTURE

Pathology of acoustic nerve Schwannoma in vivo and in vitro. Manolidis L, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):280-4

NEUROMODULATORS see **NEUROREGULATORS**

NEUROMUSCULAR BLOCKING AGENTS

Visual and tactile assessment of neuromuscular blockade [letter] McLean A, et al. **Anaesth Intensive Care** 1984 Aug;12(3):271-2

Comparison of atracurium and alcuronium in day-case gynaecological surgery. Collins KM, et al. **Anaesthesia** 1984 Nov;39(11):1130-4

Atracurium besylate in paediatric anaesthesia. Lavery GG, et al. **Anaesthesia** 1984 Dec;39(12):1243-6

Vecuronium in myasthenia gravis [letter] Pelton CI. **Anaesthesia** 1985 Jan;40(1):82-3

Comparison of intubating conditions with atracurium, vecuronium and pancuronium. Schiller DJ, et al. **Anaesthesia** 1984 Dec;39(12):1188-91

Atracurium for intubation in man. A clinical and electromyographic study. Stirt JA, et al. **Anaesthesia** 1984 Dec;39(12):1214-21

Evolution of vecuronium requirements for stable mechanical effect: comparison with or without previous succinylcholine administration. d'Hollander A, et al. **Anesth Analg** 1985 Mar;64(3):319-22

Atracurium in a child with myotonic dystrophy. Stirt JA, et al. **Anesth Analg** 1985 Mar;64(3):369-70

Some trends in the design of new neuromuscular blocking agents. Kharkevich DA. **Ann Ist Super Sanita** 1984;20(1):21-6

Use of atracurium and vecuronium in patients with oesophageal varices. Bell CF, et al. **Br J Anaesth** 1985 Feb;57(2):160-8

pH and atracurium [letter] Bolton DT. **Br J Anaesth** 1985 May;57(5):545

Vecuronium bromide in anaesthesia for laparoscopic sterilization. Caldwell JE, et al. **Br J Anaesth** 1985 Aug;57(8):765-9

Use of vecuronium in carcinoid syndrome [letter] Simpson KH. **Br J Anaesth** 1985 Sep;57(9):934

Antagonism of d-tubocurarine-induced neuromuscular blockade with a mixture of 4-aminopyridine and neostigmine in man. Wirtavuori K, et al. **Can Anaesth Soc J** 1984 Nov;31(6):624-30

A computerized neuromuscular blockade monitor with visual-display unit: a preliminary report. Zorab JS, et al. **Eur J Anaesthesiol** 1984 Mar;1(1):85-92

New skeletal muscle relaxants in dogs and cats. Jones RS. **J Am Vet Med Assoc** 1985 Aug 1;187(3):281-2

Experimental and clinical evaluation of neuromuscular blocking agents. Hughes R. **J Pharmacol Methods** 1984 Aug;12(1):1-27 (133 ref.)

Blocking effects of blended paeoniflorin or its related compounds with glycyrrhizin on neuromuscular junctions in frog and mouse. Kimura M, et al. **Jpn J Pharmacol** 1984 Nov;36(3):275-82

Vecuronium. **Med Lett Drugs Ther** 1984 Nov 9;26(674):102

Neuromuscular blockade of selected E,E- and Z,Z-isomeric oxime ethers of delta 4-androstene-3,17-dione dioxime as compared to D-tubocurarine and decamethonium. Dodson RA, et al. **Proc West Pharmacol Soc** 1984;27:73-6

[The circulatory effects of Org NC 45 (Norcuron) on three different anesthetic methods in patients with healthy hearts] Riegler R, et al. **Anaesthesist** 1984 Aug;33(8):363-5 (Eng. Abstr.) **(Ger)**

[A comparative study of atracurium, vecuronium and pancuronium using the rat phrenic nerve diaphragm preparation] Fukushima K, et al. **Masui** 1985 Jan;34(1):66-70 (Eng. Abstr.) **(Jpn)**

[Neuromuscular blocking action and pharmacokinetics of vecuronium bromide in man--a comparison with pancuronium bromide] Sugai N, et al. **Masui** 1985 Jan;34(1):59-65 (Eng. Abstr.) **(Jpn)**

[Use of arduan in children] Kas'ianov PP, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):63-4 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Atracurium in anesthesia for diagnostic procedures. Rowlands DE. **Acta Anaesthesiol Belg** 1984;35 Suppl:429-33

Dose-response curves for vecuronium during halothane and neurolept anaesthesia: single bolus versus cumulative method. Ording H, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):121-4

A hazard with vecuronium [letter] Taylor RH, et al. **Anaesthesia** 1985 May;40(5):501-2

Vecuronium and d-tubocurarine combination: potentiation of effect. Mirakhur RK, et al. **Anesth Analg** 1985 Jul;64(7):711-4

Use of atracurium in a patient susceptible to malignant hyperthermia [letter] Michel PA, et al. **Anesthesiology** 1985 Feb;62(2):213

Are neuromuscular blocking agents more efficacious in pairs? Taylor P. **Anesthesiology** 1985 Jul;63(1):1-3

Quantitative examination of the interaction of competitive neuromuscular blocking agents on the indirectly elicited muscle twitch. Waud BE, et al. **Anesthesiology** 1984 Oct;61(4):420-7

The use of different doses of vecuronium in patients with liver dysfunction. Hunter JM, et al. **Br J Anaesth** 1985 Aug;57(8):758-64

Simple atracurium infusions [letter] Rowlands DE. **Br J Anaesth** 1985 May;57(5):542

[Circulatory effects of vecuronium as well as pancuronium under different conditions of anesthesia] Markschies-Hornung A, et al. **Anasth Intensivther Notfallmed** 1985 Apr;20(2):57-61 (Eng. Abstr.) **(Ger)**

[Vecuronium: disadvantages and solutions (letter)] Miralles JA. **Rev Esp Anestesiol Reanim** 1984 Sep-Oct;31(5):213 **(Spa)**

ADVERSE EFFECTS

A severe anaphylactic reaction to atracurium. Mercer JD. **Anaesth Intensive Care** 1984 Aug;12(3):262-3

Histamine release with vecuronium [letter] Clayton DG, et al. **Anaesthesia** 1984 Nov;39(11):1143-4

Anaphylactoid reactions during anaesthesia. Seven years' experience of intradermal testing. Galletly DC, et al. **Anaesthesia** 1985 Apr;40(4):329-33

Atracurium and bradycardia [letter] Hardy PA. **Anaesthesia** 1985 May;40(5):504-5

Local reactions and histamine release by atracurium [letter] Hughes R. **Anaesthesia** 1985 Jun;40(6):593-5

Possible histamine release after vecuronium [letter] Lavery GG, et al. **Anaesthesia** 1985 Apr;40(4):389-90

Vecuronium bromide and complete atrioventricular block [letter] Williams HD, et al. **Anaesthesia** 1985 Feb;40(2):205

Severe bronchospasm following the use of atracurium in children [letter] Woods I, et al. **Anaesthesia** 1985 Feb;40(2):207-8

Pulmonary densities during anesthesia with muscular relaxation--a proposal of atelectasis. Brismar B, et al. **Anesthesiology** 1985 Apr;62(4):422-8

Allergic reaction after atracurium [letter] Aldrete JA. **Br J Anaesth** 1985 Sep;57(9):929-30

Probable histamine liberation with atracurium. A case report. Lavery GG, et al. **Br J Anaesth** 1985 Aug;57(8):811-3

Cutaneous reactions to atracurium [letter] Madden AP, et al. **Br J Anaesth** 1985 May;57(5):541

Prolonged neuromuscular blockade following vecuronium. A case report. Shanks AB, et al. **Br J Anaesth** 1985 Aug;57(8):807-10

Reaction to vecuronium bromide [letter] Spence AG, et al. **Lancet** 1985 Apr 27;1(8435):979-80

ANALYSIS

Postsynaptic block of a glutamatergic synapse by low molecular weight fractions of spider venom. Bateman A, et al. **Brain Res** 1985 Jul 29;339(2):237-44

ANTAGONISTS & INHIBITORS

Edrophonium and neostigmine for reversal of the neuromuscular blocking effect of vecuronium. Engbaek J, et al. **Acta Anaesthesiol Scand** 1985 Jul;29(5):544-6

Antagonism of neuromuscular block in the elderly. A comparison of atropine and glycopyrronium in a mixture with neostigmine. Mirakhur RK. **Anaesthesia** 1985 Mar;40(3):254-8

Metabolites of neostigmine and pyridostigmine do not contribute to antagonism of neuromuscular blockade in the dog. Hennis PJ, et al. **Anesthesiology** 1984 Nov;61(5):534-9

Effect of halogenated anaesthetics on heart rate changes during reversal of neuromuscular block with glycopyrrolate and neostigmine. Samra SK, et al. **Can Anaesth Soc J** 1984 Nov;31(6):619-23

[Hemodynamic effects in antagonism of neuromuscular blockage: atropine-pyridostigmine versus ipratropium bromide-pyridostigmine] Stoyanov M, et al. **Anaesthesist** 1984 Oct;33(10):499-503 (Eng. Abstr.) **(Ger)**

BLOOD

Determination of atracurium in plasma by high-performance liquid chromatography. Stiller RL, et al. **Anesth Analg** 1985 Jan;64(1):58-62

Vecuronium in renal failure. Bevan DR, et al. **Can Anaesth Soc J** 1984 Sep;31(5):491-6

CHEMICAL SYNTHESIS

Synthesis and pharmacological evaluation of imidazopyridinium derivatives as neuromuscular blocking agents. Bellani P, et al. **Farmaco [Sci]** 1984 Oct;39(10):846-62

METABOLISM

Atracurium-receptor kinetics: simple behavior from a mixture. Amaki Y, et al. **Anesth Analg** 1985 Aug;64(8):777-80

Pharmacokinetics and pharmacodynamics of d-tubocurarine and metocurine in the elderly. Matteo RS, et al. **Anesth Analg** 1985 Jan;64(1):23-9

Enzymatic hydrolysis of atracurium in vivo. Nigrovic V, et al. **Anesthesiology** 1985 May;62(5):606-9

Disposition of vecuronium bromide in the cat. Bencini AF, et al. **Br J Anaesth** 1985 Aug;57(8):782-8

Effects of hepatic uptake of vecuronium bromide and its putative metabolites on their neuromuscular blocking actions in the cat. Bencini AF, et al. **Br J Anaesth** 1985 Aug;57(8):789-95

Atracurium and severe hepatic disease: a case report. Gyasi HK, et al. **Can Anaesth Soc J** 1985 Mar;32(2):161-4

PHARMACODYNAMICS

The effects of d-tubocurarine, pancuronium and atracurium on the responses of gastrocnemius and soleus muscles in the cat. Choi WW, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):608-11

Precurarization with vecuronium and pancuronium in awake, healthy volunteers: the influence on neuromuscular transmission and pulmonary function. Engbaek J, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):117-20

Vecuronium and atracurium in the elderly: a clinical comparison with pancuronium. Lowry KG, et al. **Acta Anaesthesiol Scand** 1985 May;29(4):405-8

Vecuronium in patients with and without renal failure. Orko R, et al. **Acta Anaesthesiol Scand** 1985 Apr;29(3):326-9

Vecuronium and the oculocardiac reflex [letter] Pryne SJ, et al. **Anaesthesia** 1985 Jan;40(1):88-9

Hypothermic cardiopulmonary bypass and neuromuscular blockade by pancuronium and vecuronium. Buzello W, et al. **Anesthesiology** 1985 Feb;62(2):201-4

Failure of metronidazole to alter a vecuronium neuromuscular blockade in humans. d'Hollander A, et al. **Anesthesiology** 1985 Jul;63(1):99-102

Prolonged vecuronium neuromuscular blockade in a patient receiving orally administered dantrolene. Driessen JJ, et al. **Anesthesiology** 1985 Apr;62(4):523-4

Neuromuscular effects of atracurium in infants and children. Goudsouzian N, et al. **Anesthesiology** 1985 Jan;62(1):75-9

Clinical pharmacology of vecuronium and atracurium. Miller RD, et al. **Anesthesiology** 1984 Oct;61(4):444-53 (97 ref.)

The effect of paralysis on oxygen consumption in normoxic children after cardiac surgery. Palmisano BW, et al. **Anesthesiology** 1984 Nov;61(5):518-22

Tactile and visual evaluation of the response to train-of-four nerve stimulation. Viby-Mogensen J, et al. **Anesthesiology** 1985 Oct;63(4):440-3

Histaminoid responses to atracurium, vecuronium and tubocurarine. Lavery GG, et al. **Ann Fr Anesth Reanim** 1985;4(2):180-3

Intracerebral injections of AF64A: an animal model of Alzheimer's disease? Jarrard LE, et al. **Ann NY Acad Sci** 1985;444:520-2

AF64A produces long-term cognitive impairments following infusion into the lateral cerebral ventricles or the dorsal hippocampus: involvement of hippocampal cholinergic processes in learning and memory. Walsh TJ, et al. **Ann NY Acad Sci** 1985;444:538-40

Inhibition of phosphatidylinositol phosphodiesterase activity in skeletal muscle by metal ions and drugs which block neuromuscular transmission. Shute JK, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2471-5

Interactions between calcium entry blockers and vecuronium bromide in anaesthetized cats. Anderson KA, et al. **Br J Anaesth** 1985 Aug;57(8):775-81

Factors affecting train-of-four fade. Pearce AC, et al. **Br J Anaesth** 1985 Jun;57(6):602-6

Atracurium: clinical strategies for preventing histamine release and attenuating the haemodynamic response. Scott RP, et al. **Br J Anaesth** 1985 Jun;57(6):550-3

Influence of tubocurarine, pancuronium and atracurium on bronchomotor tone. Simpson DA, et al. **Br J Anaesth** 1985 Aug;57(8):753-7

Muscle relaxants in infants and children. Goudsouzian NG. **Can Anaesth Soc J** 1985 May;32(3 Pt 2):S27-31

Atracurium in neonatal anaesthesia [letter] Hall ID, et al. **Can Anaesth Soc J** 1985 Jul;32(4):453-4

Atracurium and vecuronium: two unique neuromuscular blocking agents. Conner CS. **Drug Intell Clin Pharm** 1984 Sep;18(9):714-6

Neuromuscular block: atracurium and vecuronium compared and combined. Black TE, et al. **Eur J Anaesthesiol** 1985 Mar;2(1):29-37

The antagonism of acetylcholine excitatory and inhibitory responses of Helix central neurones, by some neuromuscular blocking drugs. Bokisch AJ, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):405-9

Fasciola hepatica: the effects of neuropharmacological agents upon in vitro motility. Holmes SD, et al. **Exp Parasitol** 1984 Oct;58(2):194-208

Effects of the cholinotoxin, AF64A, on neuronal trace-metal distribution in the rat hippocampus and neocortex. Szerdahelyi P, et al. **Histochemistry** 1984;81(5):497-500

Studies on the alkylation of choline acetyltransferase by choline mustard aziridinium ion. Rylett RJ, et al. **J Neurochem** 1985 Jun;44(6):1951-4

Effects of apamin, quinine and neuromuscular blockers on calcium-activated potassium channels in guinea-pig hepatocytes. Cook NS, et al. **J Physiol (Lond)** 1985 Jan;358:373-94

Effect of neuromuscular blocking drugs on arterial pressure and heart rate in rats. Ertama PM, et al. **Med Biol** 1984;62(4):231-8

Inhibition of acetylcholinesterase and pseudocholinesterase activities by trimethaphan. Tsukawaki Y. **Med J Osaka Univ** 1984 Mar;34(3-4):81-5

Interaction of the neuromuscular blocking drugs alcuronium, decamethonium, gallamine, pancuronium, ritebronium, tercuronium and d-tubocurarine with muscarinic acetylcholine receptors in the heart and ileum. Nedoma J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Apr;329(2):176-81

Neuromuscular blocking action of vecuronium in the dog and its reversal by neostigmine. Jones RS. **Res Vet Sci** 1985 Mar;38(2):193-6

[Histamine liberation induced by anesthetics or their solvents: specific or non-specific?] Lorenz W, et al. **Ann Fr Anesth Reanim** 1985;4(2):115-23 (Eng. Abstr.) **(Fre)**

[Comparative study of atracurium and vecuronium given in continuous injection] Neidhardt A, et al. **Cah Anesthesiol** 1984 Dec;32(8):645-8 **(Fre)**

[Pharmacokinetics and pharmacodynamics of vecuronium in children] Steinbereithner K, et al. **Cah Anesthesiol** 1984 Jan-Feb;32(1):5-10 (Eng. Abstr.) **(Fre)**

[Pharmacodynamics of vecuronium. A clinical study] Krieg N. **Anaesthesist** 1985 Jul;34(7):340-5 (Eng. Abstr.) **(Ger)**

[Histamine release due to ganglion blocking agent and muscle relaxants from rat mast cells] Tanaka H. **Hokkaido Igaku Zasshi** 1985 Mar;60(2):273-81 (Eng. Abstr.) **(Jpn)**

[The interaction between vecuronium (NC 45) and pancuronium or d-tubocurarine in the rat phrenic nerve-hemidiaphragm preparation] Amaki Y, et al. **Masui** 1984 Oct;33(10):1137-40 (Eng. Abstr.) **(Jpn)**

[The influence of verapamil and nifedipine on neuromuscular blocking agents] Fukushima K, et al. **Masui** 1984 Dec;33(12):1346-50 (Eng. Abstr.) **(Jpn)**

[The clinical evaluation of Org-NC45 in pediatric anaesthesia] Obara H, et al. **Masui** 1985 Jun;34(6):799-804 (Eng. Abstr.) **(Jpn)**

[The effects of atracurium on neuromuscular transmission in rats] Otagiri T. **Masui** 1984 Oct;33(10):1122-9 (Eng. Abstr.) **(Jpn)**

[Neuromuscular blocking action of trimethaphan camsylate and cholinesterase] Tsukawaki Y, et al. **Masui** 1985 May;34(5):704-7 (Eng. Abstr.) **(Jpn)**

[Adenine nucleotide and creatine phosphate levels in rat skeletal muscles and myocardium in myorelaxation] Krapivina OV. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):70-2 (Eng. Abstr.) **(Rus)**

[Effect of cholinoreceptor and beta-adrenoreceptor blockade on the variability of cardiac rhythm in rat fetuses] Siutkina EV. **Vestn Akad Med Nauk SSSR** 1985;(6):31-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Mechanical ventilation: the drug connection. Herrold RK. **Am J Nurs** 1984 Nov;84(11):1389-91

Atracurium in myasthenics undergoing thymectomy. Baraka A, et al. **Anesth Analg** 1984 Dec;63(12):1127-30

Atracurium--a novel muscle relaxant. **Drug Ther Bull** 1985 Jul 1;23(13):51-2

Paralysis for ventilated patients? Yes or no? Willatts SM. **Intensive Care Med** 1985;11(1):2-4

The effect of toosendanin on monkey botulism. Zou J, et al. **J Tradit Chin Med** 1985 Mar;5(1):29-30

Amelioration of hypoxemia by neuromuscular blockade following brain injury. Millis RM, et al. **Life Sci** 1985 Aug 26;37(8):739-47

TOXICITY

Concerning toxicity testing of atracurium [letter] Cato AE, et al. **Anesthesiology** 1985 Jan;62(1):94-5

NEUROMUSCULAR DEPOLARIZING AGENTS

Quantitative studies on some antagonists of N-methyl D-aspartate in slices of rat cerebral cortex. Harrison NL, et al. **Br J Pharmacol** 1985 Feb;84(2):381-91

Experimental and clinical evaluation of neuromuscular blocking agents. Hughes R. **J Pharmacol Methods** 1984 Aug;12(1):1-27 (133 ref.)

[Use of the steroid muscle relaxant arduan in surgical interventions on the musculoskeletal system] Pashchuk AIu, et al. **Ortop Travmatol Protez** 1984 Dec;(12):20-2 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Mechanisms of the liberation of mediators in immediate allergy to muscle relaxants] Vervloet D, et al. **Ann Fr Anesth Reanim** 1985;4(2):137-8 **(Fre)**

ANTAGONISTS & INHIBITORS

The depolarizing action of 5-hydroxytryptamine on rabbit vagal primary afferent and sympathetic neurones and its selective blockade by MDL 72222. Azami J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):423-9

BLOOD

Pharmacokinetics of 4-aminopyridine in cattle. Kitzman JV, et al. **Am J Vet Res** 1984 Dec;45(12):2625-7

CHEMICAL SYNTHESIS

Tetrahydropyrrolo[1,2-a]quinoxalines and tetrahydropyrrolo[1,2-a]pyrido[3,2-a]pyrazines: vascular smooth muscle relaxants and antihypertensive agents. Abou-Gharbia M, et al. **J Med Chem** 1984 Dec;27(12):1743-6

PHARMACODYNAMICS

Effect of lignocaine on the responses produced by depolarizing agents at the chick neuromuscular junction. Wali FA. **Acta Anaesthesiol Scand** 1984 Aug;28(4):372-6

Modulation of the release of noradrenaline and of noncholinergic, nonadrenergic inhibitory neurotransmitter through presynaptic N-cholinergic receptors by means of depolarizing agents in cat internal anal sphincter. Todorov L, et al. **Acta Physiol Pharmacol Bulg** 1984;10(2):42-52

Meperidine-acepromazine-pentobarbital anesthesia in cats: reversal by 4-aminopyridine and yohimbine. Hatch RC, et al. **Am J Vet Res** 1984 Dec;45(12):2658-62

Depolarization-induced release of propranolol and atenolol from rat cortical synaptosomes. Bright PS, et al. **Br J Pharmacol** 1985 Feb;84(2):499-510

Muscle relaxants in infants and children. Goudsouzian NG. **Can Anaesth Soc J** 1985 May;32(3 Pt 2):S27-31

A comparison of the effects of cationic, anionic, and neutral amphipathic agents on the contractile behaviour of frog skeletal muscle. II. Amplitude of depolarization and repolarization-induced contractures. Foulks JG, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1356-64

Contractile effects of 4-aminopyridine on isolated frog rectus abdominis muscles. Savage AO. **Can J Physiol Pharmacol** 1984 Dec;62(12):1525-9

Cardiovascular and autonomic effects of muscle relaxants. Scott RP, et al. **Compr Ther** 1985 Mar;11(3):56-67

Effects of Na+,K+-pump inhibitors and membrane depolarizing agents on acetylcholine-induced endothelium-dependent relaxation and cyclic GMP accumulation in rat aorta. Rapoport RM, et al. **Eur J Pharmacol** 1985 Apr 2;110(2):203-9

Differential blockage of two types of potassium channels in the crab giant axon. Soria B, et al. **J Membr Biol** 1985;84(2):127-35

Possible allosteric interaction of 4-aminopyridine with rat brain muscarinic acetylcholine receptors. Lai WS, et al. **J Neurochem** 1985 Jun;44(6):1936-42

Depolarizing neuromuscular blocking action induced by electropharmacological coupling in the combined effect of paeoniflorin and glycyrrhizin. Kimura M, et al. **Jpn J Pharmacol** 1985 Apr;37(4):395-9

Decrease in bradycardic effect of AQ-A 39 and alinidine in guinea-pig sinoatrial node depolarized by high external K+-concentration. Lillie C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec;328(2):210-3

Interactions between a 'calcium channel agonist', Bay K 8644, and calcium antagonists differentiate calcium antagonist subgroups in K+-depolarized smooth muscle. Spedding M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):69-75

[The influence of verapamil and nifedipine on neuromuscular blocking agents] Fukushima K, et al. **Masui** 1984 Dec;33(12):1346-50 (Eng. Abstr.) **(Jpn)**

[Adenine nucleotide and creatine phosphate levels in rat skeletal muscles and myocardium in myorelaxation] Krapivina OV. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):70-2 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Resistance to competitive neuromuscular blocking agents in burn patients: a review. Owen RT. **Methods Find Exp Clin Pharmacol** 1985 Apr;7(4):203-7

NEUROMUSCULAR DISEASES

Neuropathology Section of the Italian Society of Neurology: 20th annual meeting. Tarquinia (Italy), May 25-26, 1984. Abstracts. **Acta Neurol (Napoli)** 1984 Oct;6(5):325-408

Progressive, predominantly motor, uraemic neuropathy. McGonigle RJ, et al. **Acta Neurol Scand** 1985 May;71(5):379-84

Anesthesia and neuromuscular diseases. Mehta MP, et al. **Middle East J Anaesthesiol** 1985 Feb;8(1):49-63 (44 ref.)

BLOOD

Creatine kinase (CK)-linked IgA in Isaacs' syndrome. An immune complex disease? Nagashima T, et al. **J Neurol Sci** 1985 Mar;67(3):269-76

[Recent clinical knowledge of cytoplasmic substances in myogenic and neuromuscular diseases, especially in muscular dystrophy, Duchenne type] Beckmann R. **Wien Klin Wochenschr** 1984 Aug 31;96(16):599-611 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

Elevated levels of amino acids in the CSF of motor neuron disease patients. de Belleroche J, et al. **Neurochem Pathol** 1984 Spring;2(1):1-6

CHEMICALLY INDUCED

Diphenylhydantoin encephalopathy. A case report. Gallitto G, et al. **Acta Neurol (Napoli)** 1985 Feb;7(1):1-7

Neurologic dysfunction from exposure to 2-t-butylazo-2-hydroxy-5-methylhexane (BHMH): a new occupational neuropathy. Horan JM, et al. **Am J Public Health** 1985 May;75(5):513-7

Sensori-motor polyneuropathy due to metronidazole. Senanayake N, et al. **Ceylon Med J** 1984 Sep;29(3):153-6

Neuromuscular complications in patients given Pavulon (pancuronium bromide) during artificial ventilation. Op de Coul AA, et al. **Clin Neurol Neurosurg** 1985;87(1):17-22

Epsilon amino caproic acid myopathy: additional features. Van Renterghem D, et al. **Clin Neurol Neurosurg** 1984;86(3):153-7

Evaluation of EMG examination as an indicator of worker susceptibility to organophosphates exposure. Ring H, et al. **Electromyogr Clin Neurophysiol** 1985 Jan-Feb;25(1):35-44

Pneumonitis with pleural and pericardial effusion and neuropathy during amiodarone therapy. Clarke B, et al. **Int J Cardiol** 1985 May;8(1):81-8

Neuromuscular disorders associated with D-penicillamine treatment for rheumatoid arthritis. Devogelaer JP, et al. **Int J Clin Pharmacol Res** 1985;5(3):143-7

Neurogenic origin of an experimental myopathy induced by the ionophore A23187. Llados FT. **J Neurol Sci** 1985 Jul;69(3):171-82

Neuralgic amyotrophy: a complication of neuroradiological contrast media [letter] Pearce JM, et al. **Lancet** 1985 Jun 15;1(8442):1400

Neuromuscular function and organotin compounds. Bierkamper GG, et al. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):245-65

Glucose-dependent lactate production by homogenates of neuronal tissues prepared from rats treated with 2,4-dithiobiuret, acrylamide, p-bromophenylacetylurea and 2,5-hexanedione. LoPachin RM, et al. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):25-35

Evaluation of the ability of d-penicillamine to protect rats against the neurotoxicity induced by zinc pyridinethione, acrylamide, 2,5-hexanedione and p-bromophenylacetylurea. LoPachin RM, et al. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):37-41

[Peripheral nerve lesions in chloroquine-induced neuromyopathies] Pagès M, et al. **Ann Pathol** 1984 Sep-Nov;4(4):289-95 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Cognitive impairment in motor neuron disease. Gallassi R, et al. **Acta Neurol Scand** 1985 Jun;71(6):480-4

Succinylcholine and polyneuropathy [letter] Hagley SR, et al. **Anesthesiology** 1985 Aug;63(2):225-6

Relief of dysphagia in motor neurone disease with cricopharyngeal myotomy. David VC. **Ann R Coll Surg Engl** 1985 Jul;67(4):229-31

Paralysis and unilateral arthritis: is the association established? Needs CJ, et al. **Clin Rheumatol** 1985 Jun;4(2):176-80

Acute neuronopathic (type 2) Gaucher disease in siblings in southern Thailand. Laosombat V. **J Med Assoc Thai** 1985 Feb;68(2):92-8

Hypercalcaemia complicating polyneuropathy [letter] Jones TH, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr;48(4):390-1

Motor neuron disease presenting with respiratory failure. Report of two cases. Massey EW, et al. **Postgrad Med** 1984 Dec;76(8):216-8

[Functional electric stimulation in paralysis and paresis with damage of the superior motor neuron (letter)] Barés C. **Medicina (B Aires)** 1983;43(6 Pt 2):899 **(Spa)**

CONGENITAL

Two cases of congenital hypomyelination neuropathy. Tachi N, et al. **Brain Dev** 1984;6(6):560-5

Centronuclear myopathy with special consideration of the adult form. Goebel HH, et al. **Eur Neurol** 1984;23(6):425-34

[Experience in studying flexor pyramidal signs in premature infants] Lesnyi I, et al. **Zh Nevropatol Psikhiatr** 1984;84(10):1474-5 (Eng. Abstr.) **(Rus)**

EWARK PUBLIC LIB

DIAGNOSIS

A review of the Amiel-Tison neurologic evaluation of the newborn and infant. McCarraher-Wetzel AP, et al. **Am J Occup Ther** 1984 Sep;38(9):585-93

Motor signs are infrequent in dementia of the Alzheimer type [letter] Koller WC, et al. **Ann Neurol** 1984 Oct;16(4):514-6

Toe walking and neuromuscular disease [letter] Shield LK. **Arch Dis Child** 1984 Oct;59(10):1003-4

Automatic analysis of surface EMG (preliminary findings in healthy subjects and in patients with neurogenic motor diseases). Cioni R, et al. **Electroencephalogr Clin Neurophysiol** 1985 Oct;61(4):243-6

Evaluation of the effectiveness of EMG parameters in the study of neurogenic diseases--a statistical approach using clinical and simulated data. Berzuini C, et al. **IEEE Trans Biomed Eng** 1985 Jan;32(1):15-27

On surface EMG spectral characterization and its application to diagnostic classification. Inbar GF, et al. **IEEE Trans Biomed Eng** 1984 Sep;31(9):597-604

Development of an interactive computer-videodisc program in pediatrics. Blackman JA, et al. **J Biocommun** 1984 Nov; 11(4):22-7

Diabetic amyotrophy. A case report. Flatow EL, et al. **J Bone Joint Surg [Am]** 1985 Sep;67(7):1132-5

Rigid spine syndrome associated with tent-like configuration of the thoracic cage, cerebral lesion and delayed sexual maturation in three patients. Jušić A. **J Neurol** 1985; 232(1):32-7

Comparison of electrophysiological and histochemical methods for assessing the spatial distribution of muscle fibres of a motor unit within muscle. Fawcett PR, et al. **J Neurol Sci** 1985 May-Jun;69(1-2):67-79

Alterations in movement: nursing assessment and implications. Konikow NS. **J Neurosurg Nurs** 1985 Feb; 17(1):61-5

Mitochondrial encephalomyopathy: fluctuating symptoms and CT. Yamamoto T, et al. **Neurology** 1984 Nov; 34(11):1456-60

Mitochondrial encephalomyopathy with no ophthalmoplegia [letter] Bogousslavsky J. **Neurology (NY)** 1984 Oct; 34(10):1397-8

Diagnostic yield of quantitative electromyography and muscle biopsy in myopathic diseases (report of 464 cases). Hausmanowa-Petrusewicz I, et al. **Neuropatol Pol** 1984; 22(3):307-34

[Further experience with tests of primitive locomotion in infants and preschool-age children] Lesný I. **Cesk Neurol Neurochir** 1985 Mar;48(2):89-94 (Eng. Abstr.) **(Cze)**

[Perinatal symptomatology of severe neuromuscular diseases. Apropos of 11 cases] Ropert JC, et al. **Arch Fr Pediatr** 1984 Dec;41(10):689-94 (Eng. Abstr.) **(Fre)**

[Lambert-Eaton syndrome. Diagnostic, nosologic and therapeutic problems] Leys D, et al. **Rev Med Interne** 1984 Sep;5(3):244-9 (Eng. Abstr.) **(Fre)**

[Neurogenic myopathy of pelvic floor and sphincter musculature in idiopathic incontinence] Beersiek F. **Fortschr Med** 1984 Sep 6;102(33):819-22 (Eng. Abstr.) **(Ger)**

[Muscle hypotonia in early childhood with special reference to its occurrence in cerebral movement disorders] Ostwaldt F. **Kinderarztl Prax** 1984 Jul;52(7):321-8 (Eng. Abstr.) **(Ger)**

[Typology of motor unit potentials and muscle fiber density in neuromuscular diseases] Gekht BM, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1635-42 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Autosomal dominant syndrome of lipid neuromyopathy with normal carnitine: successful treatment with long-chain fatty-acid-free diet. Askanas V, et al. **Neurology** 1985 Jan; 35(1):66-72

DRUG THERAPY

A double-blind clinical evaluation of the effect of Nizofenone (Y-9179) on delayed ischemic neurological deficits following aneurysmal rupture. Saito I, et al. **Neurol Res** 1983;5(4):29-47

The Eaton-Lambert myasthenic syndrome and long-term treatment with prednisolone. Kimura I, et al. **Tohoku J Exp Med** 1984 Aug;143(4):405-8

Methylprednisolone treatment of an organophosphorus-induced delayed neuropathy. Baker T, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):348-52

ENZYMOLOGY

Defects in citric acid cycle and the electron transport chain in progressive poliodystrophy. Gabreëls FJ, et al. **Acta Neurol Scand** 1984 Sep;70(3):145-54

Elevated transaminase levels and neuromuscular pathology [letter] Lewis DW, et al. **Am J Dis Child** 1985 Sep; 139(9):860

Development of a highly sensitive enzyme-immunoassay for serum carbonic anhydrase-III. Hibi N, et al. **J Neurol Sci** 1984 Sep;65(3):333-40

Muscle fibre type composition in distal myopathy (Welander). An analysis with enzyme- and immuno-histochemical, gel-electrophoretic and ultrastructural techniques. Thornell LE, et al. **J Neurol Sci** 1984 Sep;65(3):269-92

[CK-linked immunoglobulin in neuromuscular disorders] Itagaki Y, et al. **Rinsho Shinkeigaku** 1984 May;24(5):463-6 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Progressive, predominantly motor, uraemic neuropathy. McGonigle RJ, et al. **Acta Neurol Scand** 1985 May; 71(5):379-84

Septic shock and hyperthermia as possible teratogenic factors. Ivarsson SA, et al. **Acta Paediatr Scand** 1984 Nov; 73(6):875-6

Neuromuscular problems in the burn patient: cause and prevention. Helm PA, et al. **Arch Phys Med Rehabil** 1985 Jul;66(7):451-3

Myxoedematous limb girdle myopathy and neuropathy. Ghalaut PS, et al. **J Indian Med Assoc** 1984 Sep; 82(9):329-31

Neuromuscular involvement in primary hyperparathyroidism. Ljunghall S, et al. **J Neurol** 1984; 231(5):263-5

Muscle hypertrophy and a syndrome of continuous motor unit activity in prednisone-responsive Guillain-Barré polyneuropathy. Vasilescu C, et al. **J Neurol** 1984; 231(5):276-9

[Wegener's disease of urologic and neurologic onset (letter)] Leche J, et al. **Ann Med Interne (Paris)** 1985;136(4):353 **(Fre)**

[Post-radiotherapy anterior horn cell syndrome] Lagueny A, et al. **Rev Neurol (Paris)** 1985;141(3):222-7 (Eng. Abstr.) **(Fre)**

[Lumbosacral radiation myeloneuropathy. Report of a case and effects of prednisolone treatment] Matsumura K, et al. **Rinsho Shinkeigaku** 1984 Jul;24(7):686-92 (Eng. Abstr.) **(Jpn)**

[Lesions of the neuromuscular system in mechanical jaundice before and after hemosorption] Ender LA, et al. **Sov Med** 1985;(3):38-42 (Eng. Abstr.) **(Rus)**

[Motor disorders of the extremities in herpes zoster. Presentation of 4 cases] Kulisevsky Bojarski J, et al. **Rev Clin Esp** 1985 Jun;177(1):29-30 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Hereditary recurrent brachial plexus neuropathy with dysmorphic features. Airaksinen EM, et al. **Acta Neurol Scand** 1985 Apr;71(4):309-16

X-linked bulbo-spinal neuronopathy of late onset. Martinelli P, et al. **Acta Neurol Scand** 1985 Jun;71(6):498-503

Is Werdnig-Hoffmann disease a pure lower motor neuron disorder? Towfighi J, et al. **Acta Neuropathol (Berl)** 1985; 65(3-4):270-80

Motor neuron disease and adult hexosaminidase A deficiency in two families: evidence for multisystem degeneration. Mitsumoto H, et al. **Ann Neurol** 1985 Apr;17(4):378-85

Reversal of paralysis in nerve-muscle preparations isolated from animals with hereditary motor endplate disease. Harris JB, et al. **Br J Pharmacol** 1985 Jan;84(1):6-8

Adult onset acid maltase deficiency. Distribution and progression of clinical and pathological abnormality in a family. Swash M, et al. **J Neurol Sci** 1985 Apr;68(1):61-74

Familial tic disorder, parkinsonism, motor neuron disease, and acanthocytosis: a new syndrome. Spitz MC, et al. **Neurology** 1985 Mar;35(3):366-70

X-linked neonatal myotubular myopathy. Giacoia GP, et al. **South Med J** 1984 Sep;77(9):1182-5

IMMUNOLOGY

Increased frequency of IgG heavy chain marker Glm(2) and of HLA-B8 in Lambert-Eaton myasthenic syndrome with and without associated lung carcinoma. Willcox N, et al. **Hum Immunol** 1985 Sep;14(1):29-36

Increased expression of HLA ABC class I antigens by muscle fibres in Duchenne muscular dystrophy, inflammatory myopathy, and other neuromuscular disorders. Appleyard ST, et al. **Lancet** 1985 Feb 16;1(8425):361-3

Collagen antibodies in toxic oil disease [letter] Pereira RS, et al. **Lancet** 1985 Feb 2;1(8423):273

METABOLISM

A new mitochondrial myopathy. Biochemical studies revealing a deficiency in the cytochrome b-c1 complex (complex III) of the respiratory chain. Hayes DJ, et al. **Brain** 1984 Dec;107 (Pt 4):1165-77

High-energy phosphate compounds in slow-twitch and fast-twitch muscle fibres. Changes during exercise in some neuromuscular diseases. Rehunen S, et al. **J Neurol Sci** 1985 Mar;67(3):299-306

Clinical disorders of muscle energy metabolism. Layzer RB, et al. **Med Sci Sports Exerc** 1984 Oct;16(5):451-5

[Metal behavior in motor neuron disease] Yoshiro Y. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1794-800 **(Jpn)**

MORTALITY

Motor neuron disease in the province of Turin, Italy, 1966-1980. Survival analysis in an unselected population. Mortara P, et al. **J Neurol Sci** 1984 Nov-Dec; 66(2-3):165-73

PATHOLOGY

Effects of dithiobiuret intoxication on motor end plates in sternocostalis and hindlimb muscles of female rats. Kemplay S. **Acta Neuropathol (Berl)** 1984;65(1):77-84

Infantile neuroaxonal dystrophy in an albino girl. A cliniconeuropathologic study. Wisniewski KE, et al. **Acta Neuropathol (Berl)** 1985;66(1):68-71

Experimental lead neuropathy: inorganic lead inhibits proliferation but not differentiation of Schwann cells. Sobue G, et al. **Ann Neurol** 1985 May;17(5):462-8

Tubular aggregates. Their association with neuromuscular diseases, including the syndrome of myalgias/cramps. Rosenberg NL, et al. **Arch Neurol** 1985 Oct;42(10):973-6

Simultaneous preparation of membrane fractions from small amounts of skeletal muscle: a study on mitochondrial and microsomal fractions from MedJ mice. Rock E, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):113-9

Chronic neurogenic quadriceps amyotrophies. Serratrice G, et al. **J Neurol** 1985;232(3):150-3

Presenile dementia with motor neuron disease in Japan: clinico-pathological review of 26 cases. Mitsuyama Y. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):953-9

Quantitative analysis of quadriceps muscle biopsy. Results in 30 healthy females. Doriguzzi C, et al. **J Neurol Sci** 1984 Nov-Dec;66(2-3):319-26

Lobulated fibers in neuromuscular diseases. Guerard MJ, et al. **J Neurol Sci** 1985 Jul;69(3):345-56

Retrograde axoplasmic transport of adriamycin: an experimental form of motor neuron disease? Yamamoto T, et al. **Neurology (NY)** 1984 Oct;34(10):1299-304

[Roussy-Lévy syndrome showing onion bulb formation: report of three cases in a family] Nakatsu T, et al. **Rinsho Shinkeigaku** 1984 May;24(5):487-91 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Number of potential reversals (turns) and amplitude of the pattern of electrical activity of the abductor pollicis brevis muscle in patients with neurogenic diseases. Bril V, et al. **Acta Neurol Scand** 1984 Sep;70(3):169-75

Decreased sensitivity to metocurine in patients with upper motoneuron disease. Shayevitz JR, et al. **Anesth Analg** 1985 Aug;64(8):767-72

Home negative pressure ventilation: report of 20 years of experience in patients with neuromuscular disease. Splaingard ML, et al. **Arch Phys Med Rehabil** 1985 Apr; 66(4):239-42

Motor cortical neuronal activity patterns in monkeys performing several force tasks at the ankle. Sahrmann SA, et al. **Brain Res** 1984 Sep 17;310(1):55-66

Pattern of electrical activity and force in normal and pathological muscle: S-index of turns and amplitude. Fuglsang-Frederiksen A, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jan;60(1):30-2

The effect of continuous voluntary activation on neuromuscular transmission: a SFEMG study of myasthenia gravis and anterior horn cell disorders. Ingram DA, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar; 60(3):207-13

Diaphragmatic contraction following phrenic nerve stimulation evaluated by cine-fluoroscopy. Wolf E, et al. **Electromyogr Clin Neurophysiol** 1984 Aug-Sep; 24(6):491-500

Functional and morphometric study of the liver in motor neuron disease. Masui Y, et al. **J Neurol** 1985;232(1):15-9

The neuromuscular features of acromegaly: a clinical and pathological study. Khaleeli AA, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1009-15

Pain in motor neuron disease. Newrick PG, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):838-40

Effect of training on the exercise responses of neuromuscular disease patients. Florence JM, et al. **Med Sci Sports Exerc** 1984 Oct;16(5):460-5

Pathophysiology of exercise performance in muscle disease. Haller RG, et al. **Med Sci Sports Exerc** 1984 Oct; 16(5):456-9

Exercise and human neuromuscular diseases: a symposium overview. Lewis SF. **Med Sci Sports Exerc** 1984 Oct; 16(5):449-50

Neuromuscular diseases as models of cardiovascular regulation during exercise. Lewis SF, et al. **Med Sci Sports Exerc** 1984 Oct;16(5):466-71

Muscle relaxants and neuromuscular disorders. Baraka A. **Middle East J Anaesthesiol** 1983 Oct;7(3):171-3

[Test of primitive locomotion in a group of patients treated at the Zeleznice Spa] Lesný I, et al. **Cesk Pediatr** 1985 Feb;40(2):91-3 (Eng. Abstr.) **(Cze)**

[The macro-EMG: technic and introductory concepts] De Meirsman J, et al. **Acta Belg Med Phys** 1985 Jan-Mar; 8(1):3-6 (Eng. Abstr.) **(Dut)**

[Autonomic nervous disorder in motor neuron disease] Tamura N. **Rinsho Shinkeigaku** 1984 Dec;24(12):1242-5 (Eng. Abstr.) **(Jpn)**

[An observation of spontaneous discharges by surface EMG in motor neuron disease. Correlation between ratio of evocation by edrophonium and clinical course] Uebayashi Y, et al. **Rinsho Shinkeigaku** 1985 Apr;25(4):401-7 (Eng. Abstr.) **(Jpn)**

[Pathological laughing and crying in motor neuron disease] Yamao S, et al. **Rinsho Shinkeigaku** 1984 Dec;24(12):1235-8 (Eng. Abstr.) **(Jpn)**

[Analysis of disordered muscle contractile function by assessments of the degree of potentiation of evoked mechanical response of the muscle] Gekht BM, et al. **Biull Eksp Biol Med** 1985 May;99(5):552-4 (Eng. Abstr.) **(Rus)**

[Muscle fiber density in motor muscle units at different stages of the development of a denervation-reinnervation process in man] Kasatkina LF. **Patol Fiziol Eksp Ter** 1985 Jan-Feb;(1):42-7 (Eng. Abstr.) **(Rus)**

[Short-latency brain stem evoked potentials to acoustic stimulation in patients with hereditary neuromuscular diseases] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1985;85(3):321-6 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Emic accounts of a mystery illness: the Groote Eylandt syndrome. Cawte J. **Aust NZ J Psychiatry** 1984 Jun;18(2):179-87

RADIOGRAPHY

Radiologic and histologic differentiation of neuromuscular disorders of the gastrointestinal tract: visceral myopathies, visceral neuropathies, and progressive systemic sclerosis. Rohrmann CA Jr, et al. **AJR** 1984 Nov;143(5):933-41

The significance of x-ray examinations of limb musculature in neuromuscular diseases with special regard to childhood diseases. Pálvölgyi R, et al. **Rontgenblatter** 1985 Jun;38(6):186-9

[Computed tomography of the skeletal muscles in neuromuscular diseases] Rodiek SO, et al. **ROFO** 1985 Jun;142(6):663-9 (Eng. Abstr.) **(Ger)**

[Technic for computed tomographic study of skeletal muscles in neuromuscular diseases] Rodiek SO, et al. **ROFO** 1985 Jul;143(1):24-8 (Eng. Abstr.) **(Ger)**

REHABILITATION

Therapeutic programming for students with severe handicaps. Campbell PH, et al. **Am J Occup Ther** 1984 Sep;38(9):594-602

Biofeedback for neuromuscular disorders. Health and Public Policy Committee, American College of Physicians. **Ann Intern Med** 1985 Jun;102(6):854-8

Wheelchair provision for patients with motor neurone disease. Pentland B, et al. **Health Bull (Edinb)** 1985 Mar;43(2):72-5

Rolling board for treatment and evaluation of neurologically involved patients. Suggestion from the field. Bohannon RW, et al. **Phys Ther** 1984 Oct;64(10):1543

SURGERY

The role of surgery in rehabilitation. Dunkerley DR. **Int Rehabil Med** 1985;7(1):39-40

THERAPY

Motor neurone disease: can we do better? A study of 42 patients [letter] **Br Med J [Clin Res]** 1984 Sep 29;289(6448):828-9

Motor neurone disease: towards better care [letter] Pentland B, et al. **Br Med J [Clin Res]** 1985 Aug 24;291(6494):546

Operant treatment of orofacial dysfunction in neuromuscular disorders. Parker LH, et al. **J Appl Behav Anal** 1984 Winter;17(4):413-27

[Cooperation between orthodontists and neurologists] Sergl HG. **Fortschr Kieferorthop** 1984 Dec;45(6):417-27 (Eng. Abstr.) **(Ger)**

URINE

[Urinary 3-methylhistidine excretion in children with neuromuscular diseases] Kumagai T, et al. **No To Hattatsu** 1984 Nov;16(6):445-9 (Eng. Abstr.) **(Jpn)**

VETERINARY

Toxicity of Diplodia maydis in farm and laboratory animals. Rabie CJ, et al. **Food Chem Toxicol** 1985 Mar;23(3):349-53

Functional disorders in the peripheral neuromuscular system induced by gonyautoxins in rabbits. Taba N, et al. **Nippon Juigaku Zasshi** 1985 Jun;47(3):473-7

'Shaker' calf syndrome: a newly recognized inherited neurodegenerative disorder of horned Hereford calves. Rousseaux CG, et al. **Vet Pathol** 1985 Mar;22(2):104-11

Generalised muscle weakness in the Labrador retriever. McKerrell RE, et al. **Vet Rec** 1984 Sep 15;115(11):276

NEUROMUSCULAR JUNCTION

see related

RECEPTORS, CHOLINERGIC

Rectal burn after the use of an anal stainless steel electrode/transducer system for monitoring myoneural junction [letter] Brock-Utne JG, et al. **Anesth Analg** 1984 Dec;63(12):1141-2

Adductor pollicis monitor [letter] Stanec A, et al. **Anesth Analg** 1984 Dec;63(12):1139

Three-dimensional computer reconstruction of the neuromuscular junction distribution in the human posterior cricoarytenoid muscle. Gambino DR, et al. **Laryngoscope** 1985 May;95(5):556-60

A cerebellar abnormality in the mouse with motor end-plate disease. Dick DJ, et al. **Neuropathol Appl Neurobiol** 1985 Mar-Apr;11(2):141-7

ANATOMY & HISTOLOGY

Three-dimensional distribution of neuromuscular junctions in human cricothyroid. De Vito MA, et al. **Arch Otolaryngol** 1985 Feb;111(2):110-3

Effects of chronic exercise during aging on muscle and end-plate morphology in rats. Stebbins CL, et al. **J Appl Physiol** 1985 Jan;58(1):45-51

Fluorescent staining of living mouse neuromuscular junctions. Kelly SS, et al. **Pflugers Arch** 1985 May;404(1):97-9

[Distribution of motor endplates in the leg muscles of domestic fowl (Gallus domesticus)] Kubišová I. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1983;26(5):515-25 (Eng. Abstr.) **(Cze)**

CYTOLOGY

Activity and competition-dependent synapse repression in culture. Fishman MC, et al. **Adv Exp Med Biol** 1984;181:247-52

Evidence of Schwann cell degeneration in the aging mouse motor end-plate region. Ludatscher RM, et al. **Exp Gerontol** 1985;20(2):81-91

[Investigations on the oculomotor system] Shimo-oku M. **Nippon Ganka Gakkai Zasshi** 1985 Jan;89(1):58-85 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Effects of succinylcholine chloride on the response of fast and slow muscle in the cat. Choi WW, et al. **Acta Anaesthesiol Scand** 1984 Oct;28(5):516-20

The effects of d-tubocurarine, pancuronium and atracurium on the responses of gastrocnemius and soleus muscles in the cat. Choi WW, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):608-11

Dose-response of tubocurarine in patients with and without renal failure. Orko R, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):452-6

Effect of lignocaine on the responses produced by depolarizing agents at the chick neuromuscular junction. Wali FA. **Acta Anaesthesiol Scand** 1984 Aug;28(4):372-6

Increase in transmitter release from motor nerve terminals induced by some pyridine derivatives. Montoya GA, et al. **Acta Physiol Pharmacol Latinoam** 1984;34(4):409-18

Changes in neuromuscular performance and muscle fiber characteristics of elite power athletes self-administering androgenic and anabolic steroids. Alén M, et al. **Acta Physiol Scand** 1984 Dec;122(4):535-44

Facilitation of transmission at the crayfish neuromuscular synapse by a convulsant phenol. Kaila K, et al. **Acta Physiol Scand** 1984 Dec;122(4):599-605

Pre- and postjunctional effects of NPY on sympathetic control of rat femoral artery. Lundberg JM, et al. **Acta Physiol Scand** 1985 Apr;123(4):511-3

Correction of organophosphate-induced neuromuscular blockade by diphenhydramine. Clemmons RM, et al. **Am J Vet Res** 1984 Oct;45(10):2167-9

Antagonism of pancuronium neuromuscular blockade in halothane-anesthetized ponies using neostigmine and edrophonium. Hildebrand SV, et al. **Am J Vet Res** 1984 Nov;45(11):2276-80

Atracurium in the myasthenic patient. Bell CF, et al. **Anaesthesia** 1984 Oct;39(10):961-8

The effect of verapamil and EGTA on the rat phrenic nerve-hemidiaphragm preparation. Bikhazi GB, et al. **Anesth Analg** 1985 May;64(5):505-8

Antagonism of phase II succinylcholine block by neostigmine. Donati F, et al. **Anesth Analg** 1985 Aug;64(8):773-6

Verapamil potentiation of neuromuscular blockade: failure of reversal with neostigmine but prompt reversal with edrophonium. Jones RM, et al. **Anesth Analg** 1985 Oct;64(10):1021-5

Action of verapamil at the neuromuscular junction: prejunctional or postjunctional? [letter] Baraka A. **Anesthesiology** 1985 Aug;63(2):234-6

Concerning the site of action of verapamil on skeletal muscle [letter] Foldes FF. **Anesthesiology** 1984 Dec;61(6):783-5

The relationship of evoked electromyographic and mechanical responses following atracurium in humans. Kopman AF. **Anesthesiology** 1985 Aug;63(2):208-11

Pharmacokinetics and pharmacodynamics of vecuronium (ORG NC 45) in patients with cirrhosis. Lebrault C, et al. **Anesthesiology** 1985 May;62(5):601-5

Pharmacokinetic basis for the dose-dependent decline in the neuromuscular blocking effect of gallamine [letter] Ramzan IM. **Anesthesiology** 1985 Aug;63(2):226-7

Neuromuscular effects of atracurium during halothane-nitrous oxide and enflurane-nitrous oxide anesthesia in humans. Rupp SM, et al. **Anesthesiology** 1985 Jul;63(1):16-9

Are neuromuscular blocking agents more efficacious in pairs? Taylor P. **Anesthesiology** 1985 Jul;63(1):1-3

Interaction among agents that block end-plate depolarization competitively. Waud BE, et al. **Anesthesiology** 1985 Jul;63(1):4-15

Inhibition of ganglionic transmission in mammals by a new alpha toxin from Bungarus multicinctus venom. Gotti C, et al. **Ann Ist Super Sanita** 1984;20(1):27-32

Chemically activated channels in muscle and spinal cord. Jackson MB. **Ann Neurol** 1984;16 Suppl:S52-8

Effects of oxamniquine on neuromuscular transmission. Adewunmi CO, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):231-7

Interaction of some benzodiazepines and their solvents with vecuronium in the in vivo rat sciatic nerve-tibialis anterior muscle preparation. Driessen JJ, et al. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):277-88

The action of thallium acetate on spontaneous transmitter release in the rat neuromuscular junction. Wiegand H, et al. **Arch Toxicol** 1984 Oct;55(4):253-7

Effects of dibekacin, a new aminoglycoside antibiotic, on the rat sciatic nerve-gastrocnemius muscle preparation. Renna G, et al. **Arzneimittelforsch** 1984;34(11):1540-2

Prejunctional effects of catecholamines. Majewski H, et al. **Bibl Cardiol** 1984;(38):53-9 (28 ref.)

Fade characteristics and onset times following administration of pancuronium, tubocurarine and a mixture of both agents. Cashman JN, et al. **Br J Anaesth** 1985 May;57(5):488-92

In vitro interaction of diazepam and oxazepam with pancuronium and suxamethonium. Driessen JJ, et al. **Br J Anaesth** 1984 Oct;56(10):1131-8

Comparison between glycopyrrolate and atropine in a mixture with neostigmine for reversal of neuromuscular blockade. Studies in patients following open heart surgery. Salem MG, et al. **Br J Anaesth** 1985 Feb;57(2):184-7

Pattern of CNS recovery following reversal of neuromuscular blockade. Comparison of atropine and glycopyrrolate. Sheref ŜE. **Br J Anaesth** 1985 Feb;57(2):188-91

Histamine is an antagonist of the acetylcholine receptor at the frog endplate. Ariyoshi M, et al. **Br J Pharmacol** 1985 May;85(1):65-73

Hydrostatic pressure modifies the action of octanol and atropine on frog endplate conductance. Ashford ML, et al. **Br J Pharmacol** 1984 Oct;83(2):477-84

Effects of 3,4-diaminopyridine and tetraethylammonium on the pre- and post-junctional alpha-adrenoceptor mediated inhibitory actions of noradrenaline in the guinea-pig ileum. Bauer V. **Br J Pharmacol** 1985 May;85(1):171-7

Comparison of the biphasic excitatory junction potential with membrane responses to adenosine triphosphate and noradrenaline in the rat anococcygeus muscle. Byrne NG, et al. **Br J Pharmacol** 1984 Nov;83(3):751-8

Succinyl derivatives of N-tris (hydroxymethyl) methyl-2-aminoethane sulphonic acid: their effects on the frog neuromuscular junction. del Castillo J, et al. **Br J Pharmacol** 1985 Feb;84(2):275-88

Effects of pentobarbitone on acetylcholine-activated channels in mammalian muscle. Gage PW, et al. **Br J Pharmacol** 1985 May;85(1):229-35

On the type of receptor involved in the inhibitory action of adenosine at the neuromuscular junction. Ribeiro JA, et al. **Br J Pharmacol** 1985 Apr;84(4):911-8

Aliphatic alcohols increase the decay rate of glutamate-activated currents at the crayfish neuromuscular junction. Wachtel RE. **Br J Pharmacol** 1984 Oct;83(2):393-7

Effects of some depressant drugs on synaptic responses to glutamate at the crayfish neuromuscular junction. Wachtel RE. **Br J Pharmacol** 1984 Oct;83(2):387-91

The aminoglycoside antibiotic, gentamicin, fails to block increases in miniature endplate potential frequency induced by the sulfhydryl reagent, N-ethylmaleimide, in low calcium solutions. Carlson CG, et al. **Brain Res** 1985 Mar 25;330(2):349-52

Suppression by phenytoin of convulsant-induced afterdischarges at presynaptic nerve terminals. David G, et al. **Brain Res** 1985 Jul 22;339(1):57-65

Stimulation of spontaneous transmitter release by the phorbol ester, 12-O-tetradecanoylphorbol-13-acetate, an activator of protein kinase C. Publicover SJ. **Brain Res** 1985 Apr 29;333(1):185-7

Colchicine-induced differential sprouting of the endplates on fast and slow muscle fibers in rat extensor digitorum longus, soleus and tibialis anterior muscles. Riley DA, et al. **Brain Res** 1985 Mar 11;329(1-2):83-95

Inhibitory actions of tuberostemonine on the excitatory transmission at the crayfish neuromuscular junction. Shinozaki H, et al. **Brain Res** 1985 May 13;334(1):33-40

Depletion of total acetylcholine by hemicholinium-3 in isolated rat diaphragm is less in the presence of dexamethasone. Veldsema-Currie RD, et al. **Brain Res** 1984 Dec 24;324(2):305-12

Accelerated onset of pancuronium with divided doses. Doherty WG, et al. **Can Anaesth Soc J** 1985 Jan;32(1):1-4

The effect of 4-aminopyridine-induced increased neuromuscular activity on the metabolism of developing muscles in chick embryos. Keresztes M, et al. **Cell Differ** 1985 Apr;16(2):133-7

Divalent cation effects on acetylcholine-activated channels at the frog neuromuscular junction. Lewis CA. **Cell Mol Neurobiol** 1984 Sep;4(3):273-84

Neuromuscular pharmacology of the anterior intestine of Chaetopterus variopedatus, a filter-feeding polychaete. Anctil M, et al. **Comp Biochem Physiol [C]** 1984;79(2):343-51

Influence of felodipine and verapamil on the sympathetic transmitter release and on the pre- and post-junctional effects of exogenous noradrenaline in the perfused rat kidney. Peter EJ, et al. **Drugs** 1985;29 Suppl 2:198-204

Diphenylbarbituric acid: its effects on neuromuscular and spinal cord function in the cat. Zavadil AP 3d, et al. **Epilepsia** 1985 Mar-Apr;26(2):158-66

Improvement in neuromuscular transmission in myasthenia gravis by 3,4-diaminopyridine. Lundh H, et al. **Eur Arch Psychiatry Neurol Sci** 1985;234(6):374-7

Neuromuscular block: atracurium and vecuronium compared and combined. Black TE, et al. **Eur J Anaesthesiol** 1985 Mar;2(1):29-37

Effects of aniline on neuromuscular transmission. Enomoto K, et al. **Eur J Pharmacol** 1985 May 8;111(2):235-8

The excitatory actions of kainic acid and some derivatives at the crab neuromuscular junction. King AE, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):129-34

Inhibition of quantal transmitter release by the polycationic ligand cationized ferritin. Publicover SJ. **Exp Brain Res** 1985;59(3):629-32

Comparison of the ultrastructural myopathy induced by anticholinesterase agents at the end plates of rat soleus and extensor muscles. Meshul CK, et al. **Exp Neurol** 1985 Jul; 89(1):96-114

Pre- and post-synaptic actions of McN-A-343 in the neuromuscular junction: myographic and electrophysiologic studies in vitro. Simioni LR, et al. **Gen Pharmacol** 1984;15(6):559-62

Effects of some antimicrobial agents on neuromuscular blocking activity of chandonium iodide. Suri YV, et al. **Indian J Exp Biol** 1984 Aug;22(8):428-31

A study of some pharmacological actions of carbamazepine and sodium valproate. Mansuri SM, et al. **Indian J Physiol Pharmacol** 1984 Oct-Dec;28(4):315-8

Deuterium oxide and temperature effects on the properties of endplate channels at the frog neuromuscular junction. Lewis CA. **J Gen Physiol** 1985 Feb;85(2):137-56

Octopamine enhances neuromuscular transmission in developing and adult moths, Manduca sexta. Klaassen LW, et al. **J Neurobiol** 1985 May;16(3):227-43

Interactions of edrophonium, physostigmine and methanesulfonyl fluoride with the snake end-plate acetylcholine receptor-channel complex. Fiekers JF. **J Pharmacol Exp Ther** 1985 Sep;234(3):539-49

Pharmacological study on angusticeps-type toxins from mamba snake venoms. Lee CY, et al. **J Pharmacol Exp Ther** 1985 May;233(2):491-8

Indomethacin, prostaglandin E2 and transmission at the frog neuromuscular junction. Madden KS, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):305-14

Influence of divalent cations on the phospholipase-independent action of beta-bungarotoxin at frog neuromuscular junctions. Caratsch CG, et al. **J Physiol (Lond)** 1985 Jun;363:169-79

Miniature end-plate potentials in rat skeletal muscle poisoned with botulinum toxin. Kim YI, et al. **J Physiol (Lond)** 1984 Nov;356:587-99

Partial neuromuscular blockade and cardiovascular responses to static exercise in man. Leonard B, et al. **J Physiol (Lond)** 1985 Feb;359:365-79

A new sea urchin toxin and its effect on spontaneous transmitter release at frog neuromuscular junctions. Anraku M, et al. **Jpn J Physiol** 1984;34(5):839-47

Verapamil alters the amplitude and time course of miniature endplate current. Edeson RO, et al. **Neuropharmacology** 1985 Jun;24(6):561-5

A pharmacological study of the effect of carbamazepine on neuromuscular transmission in the rat diaphragm. Tsai MC. **Neuropharmacology** 1985 Apr;24(4):345-51

Effects of fasciculin 2, an anticholinesterase polypeptide from green mamba venom, on neuromuscular transmission in mouse diaphragm preparations. Anderson AJ, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):123-8

The actions of 'selective' excitatory amino acid antagonists on the crustacean neuromuscular junction. King AE, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):217-22

Tonic depolarization of excitatory nerve terminals in crayfish muscle by high concentrations of extracellular potassium. Martin C, et al. **Neurosci Lett** 1985 Feb 4;53(3):309-14

Ultrastructural and physiological effects of the ionophore A23187 at identified frog neuromuscular junctions. Llados FT, et al. **Neuroscience** 1984 Sep;13(1):237-47

Antagonism of glutamate receptor channel complexes by spider venom polypeptides. Usherwood PN, et al. **Neurotoxicology** 1985 Summer;6(2):239-49

Mechanism of action of lead on neuromuscular junctions. Atchison WD, et al. **Neurotoxicology (Park Forest Il)** 1984 Fall;5(3):267-82

Heavy metals: effects on synaptic transmission. Cooper GP, et al. **Neurotoxicology (Park Forest Il)** 1984 Fall;5(3):247-66

The effect of substance P on the mechanical and electrical responses of frog, chick and rat skeletal muscle. Wali FA. **Pharmacol Res Commun** 1985 Feb;17(2):137-47

Pre- and postsynaptic actions of tetraethylammonium at the chick neuromuscular junction. Wali FA. **Pharmacology** 1985;30(1):60-4

Activation of mammalian endplate receptors by iontophoretic application of reducing and oxidizing sulphydryl reagents. Bravo C, et al. **Rev Esp Fisiol** 1985 Jun;41(2):243-8

Some effects produced by isoprenaline upon neuromuscular transmission in mice. Tsai MC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Mar;84(3):277-85

Comparison of the action of types A and F botulinum toxin at the rat neuromuscular junction. Kauffman JA, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):211-7

gamma-Hexachlorocyclohexane inhibition of the calcium fluxes at the desensitized mouse neuromuscular junction. Lievremont M, et al. **Toxicol Appl Pharmacol** 1984 Nov; 76(2):280-7

Potential neuromuscular toxicity of N'-(2,4-xylyl)-N-methyl formamidine HCl in rodents. Ravikumar VC, et al. **Toxicology** 1983 May;27(1):71-80

Effects of crude brevetoxin on membrane potential and spontaneous or evoked end-plate potentials in rat hemidiaphragm. Gallagher JP, et al. **Toxicon** 1985; 23(3):489-96

Morphological changes induced by crotoxin in murine nerve and neuromuscular junction. Gopalakrishnakone P, et al. **Toxicon** 1984;22(5):791-804

Venom of the Australian rough-scaled snake, Tropidechis carinatus: lethal potency and electrophysiological actions. Morrison JJ, et al. **Toxicon** 1984;22(5):759-65

Actions of Ptychodiscus brevis toxins on nerve and muscle membranes. Wu CH, et al. **Toxicon** 1985;23(3):481-7

[Antagonism of non-depolarization muscle relaxants and aminoglycoside antibiotics to the block of neuromuscular junction of the rat diaphragm caused by soman] Yu SP, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):11-6 (Eng. Abstr.) **(Chi)**

[Effect of the oral beta-mimetic drug clenbuterol (Contraspasmin, Spiropent) and orally and intravenously administered Partusisten on the rheobase] Weisbach W, et al. **Zentralbl Gynakol** 1985;107(11):664-9 (Eng. Abstr.) **(Ger)**

[Effect of ethanol on young nerve endings] Bruno C, et al. **Boll Soc Ital Biol Sper** 1985 Feb 28;61(2):255-7 (Eng. Abstr.) **(Ita)**

[Pharmacological studies on a new cephamycin, MT-141. (2) Its effect on preparations of neuromuscular junction, smooth muscle organs and gastro-intestinal system] Yamaki Y, et al. **Jpn J Antibiot** 1984 Aug;37(8):1470-87 (Eng. Abstr.) **(Jpn)**

[The interaction between vecuronium (NC 45) and pancuronium or d-tubocurarine in the rat phrenic nerve-hemidiaphragm preparation] Amaki Y, et al. **Masui** 1984 Oct;33(10):1137-40 (Eng. Abstr.) **(Jpn)**

[A comparative study of atracurium, vecuronium and pancuronium using the rat phrenic nerve diaphragm preparation] Fukushima K, et al. **Masui** 1985 Jan; 34(1):66-70 (Eng. Abstr.) **(Jpn)**

[The effects of verapamil on the neuromuscular transmission in rats] Otagiri T, et al. **Masui** 1985 Feb;34(2):216-22 (Eng. Abstr.) **(Jpn)**

[The effects of atracurium on neuromuscular transmission in rats] Otagiri T. **Masui** 1984 Oct;33(10):1122-9 (Eng. Abstr.) **(Jpn)**

[Regulation of tetanus toxin-inhibited transmitter secretion in the neuromuscular junction in a calcium-free medium] Kryzhanovskii GN, et al. **Biull Eksp Biol Med** 1985 Apr; 99(4):407-9 (Eng. Abstr.) **(Rus)**

[Presynaptic action of carbacholine on a frog neuromuscular preparation after transection of the motor nerve] Nikol'skii EE, et al. **Dokl Akad Nauk SSSR** 1984 Jul-Aug; 277(1):250-2 **(Rus)**

[Action of ketamine and hexenal on excitable membranes of a neuromuscular preparation in the frog] Seliverstov GA. **Farmakol Toksikol** 1984 Jul-Aug;47(4):46-51 (Eng. Abstr.) **(Rus)**

[Presynaptic action of armin and galantamin on mammalian neuromuscular junction] Drabkina TM, et al. **Fiziol Zh SSSR** 1983 Jul;69(7):906-12 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on neuromuscular transmission in the frog skeletal muscles] Poletaev GI, et al. **Fiziol Zh SSSR** 1985 Apr;71(4):488-92 (Eng. Abstr.) **(Rus)**

[Effect of the toxin of the spider Argiope lobata on neuromuscular transmission] Lishko VK, et al. **Neirofiziologiia** 1985;17(1):127-30 (Eng. Abstr.) **(Rus)**

[Relation between the effect of carbacholine on spontaneous mediator release from motor nerve endings and extracellular potassium concentration in the rat] Nikol'skii EE. **Neirofiziologiia** 1984;16(4):470-5 (Eng. Abstr.) **(Rus)**

[Sensitivity of the motor endplate to carbachol in the presence of sulfhydryl reagents] Bravo C, et al. **Rev Esp Fisiol** 1985 Mar;41(1):5-10 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Release of acetylcholine from embryonic neurons upon contact with muscle cell. Chow I, et al. **J Neurosci** 1985 Apr;5(4):1076-82

Redistribution of acetylcholine receptors on developing rat myotubes. Ziskind-Conhaim L, et al. **J Neurosci** 1984 Sep; 4(9):2346-9

ENZYMOLOGY

Acetylcholinesterase activity in nerve endings of tails of Rana japonica and R. catesbeiana during metamorphosis. Sasaki F, et al. **Cell Tissue Res** 1985;239(3):511-7

Basal lamina directs acetylcholinesterase accumulation at synaptic sites in regenerating muscle. Anglister L, et al. **J Cell Biol** 1985 Sep;101(3):735-43

Anchorage of collagen-tailed acetylcholinesterase to the extracellular matrix is mediated by heparan sulfate proteoglycans. Brandan E, et al. **J Cell Biol** 1985 Sep; 101(3):985-92

Uptake of horseradish peroxidase in denervated skeletal muscle occurs primarily at the endplate region. Libelius R, et al. **J Neurol Sci** 1984 Nov-Dec;66(2-3):273-81

Recovery of acetylcholinesterase at intact neuromuscular junctions after in vivo inactivation with di-isopropylfluorophosphate. Kasprzak H, et al. **J Neurosci** 1985 Apr;5(4):951-5

Subcellular localization of acetylcholinesterase molecular forms in endplate regions of adult mammalian skeletal muscle. Fernandez HL, et al. **Neurochem Res** 1984 Sep; 9(9):1211-30

Intra- versus extracellular recovery of 16S acetylcholinesterase following organophosphate inactivation in the rat. Fernandez HL, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):117-22

GROWTH & DEVELOPMENT

Morphometric analysis of human neuromuscular junction in different ages. Arizono N, et al. **Acta Pathol Jpn** 1984 Nov; 34(6):1243-9

IMMUNOLOGY

Action of Lambert-Eaton myasthenic syndrome IgG at mouse motor nerve terminals. Prior C, et al. **Ann Neurol** 1985 Jun;17(6):587-92

A postnatal change in the immunological properties of the acetylcholine receptor at rat muscle endplates. Hall ZW, et al. **J Neurosci** 1985 Mar;5(3):730-4

Myasthenic serum selectively blocks acetylcholine receptors with long channel open times at developing rat endplates. Schuetze SM, et al. **Proc Natl Acad Sci USA** 1985 Apr; 82(8):2533-7

[Myotonia atrophica:anti-acetylcholine receptor antibody and neuromuscular junction membrane disorder] Momoi M. **Nippon Rinsho** 1985 Apr;43(4):823-7 (Jpn)

METABOLISM

Atracurium-receptor kinetics: simple behavior from a mixture. Amaki Y, et al. **Anesth Analg** 1985 Aug; 64(8):777-80

Transmitter release at the mouse neuromuscular junction stimulated by cadmium ions. Nishimura M, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):106-21

Electrophysiological measurement of glucose uptake into motor nerve terminals of mature adult and aged rats. Rosenheimer JL, et al. **Brain Res** 1985 Mar 25;330(2):373-7

Inhibition of the glutamate uptake in the excitatory neuromuscular synapse of the locust by delta-philanthotoxin; a component of the venom of the solitary wasp Philanthus triangulum F. A high resolution autoradiographic study. van Marle J, et al. **Comp Biochem Physiol [C]** 1984;79(1):213-5

Formation of acetylcholine receptor clusters at neuromuscular junction in Xenopus cultures. Kuromi H, et al. **Dev Biol** 1985 May;109(1):165-76

Electron microscopic localization of calelectrin, a Mr 36 000 calcium-regulated protein, at the cholinergic electromotor synapse of Torpedo. Fiedler W, et al. **Eur J Cell Biol** 1985 Jul;38(1):34-41

Acetylcholine receptors and acetylcholinesterase accumulate at the nerve-muscle contacts of de novo grown human monolayer muscle cocultured with fetal rat spinal cord. Kobayashi T, et al. **Exp Neurol** 1985 May;88(2):327-35

Acetylcholine receptor aggregation parallels the deposition of a basal lamina proteoglycan during development of the neuromuscular junction. Anderson MJ, et al. **J Cell Biol** 1984 Nov;99(5):1769-84

N-CAM at the vertebrate neuromuscular junction. Rieger F, et al. **J Cell Biol** 1985 Jul;101(1):285-93

Concentration-dependent effects of neostigmine on the endplate acetylcholine receptor channel complex. Fiekers JF. **J Neurosci** 1985 Feb;5(2):502-14

Non-quantal release of acetylcholine at a developing neuromuscular synapse in culture. Sun YA, et al. **J Neurosci** 1985 Mar;5(3):634-42

Gating properties of acetylcholine receptors at developing rat endplates. Vicini S, et al. **J Neurosci** 1985 Aug; 5(8):2212-24

Pharmacological experiments on the binding and internalization of the 50,000 dalton carboxyterminus of tetanus toxin at the cholinergic neuromuscular junction. Simpson LL. **J Pharmacol Exp Ther** 1985 Jul;234(1):100-5

The uptake and release of glutamate at the crayfish neuromuscular junction. Kawagoe R, et al. **J Physiol (Lond)** 1984 Sep;354:69-78

The acetylcholine receptor of the neuromuscular junction recognizes mecamylamine as a noncompetitive antagonist. Varanda WA, et al. **Mol Pharmacol** 1985 Aug;28(2):128-37

Presynaptic neurones may contribute a unique glycoprotein to the extracellular matrix at the synapse. Caroni P, et al. **Nature** 1985 Apr 4-10;314(6010):441-3

Concentration of acetylcholine receptor mRNA in synaptic regions of adult muscle fibres. Merlie JP, et al. **Nature** 1985 Sep 5-11;317(6032):66-8

Acetylcholine hydrolysis during neuromuscular transmission in the synaptic cleft of skeletal muscle of mouse and chick. Chang CC, et al. **Neuropharmacology** 1985 Jun;24(6):533-9

The facilitating effect of gangliosides on the electrogenic (Na+/K+) pump and on the resistance of the membrane potential to hypoxia in neuromuscular preparation. Vyskočil F, et al. **Pflugers Arch** 1985 Jan;403(1):1-6

Is an acetylcholine transport system responsible for nonquantal release of acetylcholine at the rodent myoneural junction? Edwards C, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3514-8

A preliminary evaluation of radioenzymatic, HPLC and chemiluminescent methods for the measurement of acetylcholine released from the vascular perfused rat phrenic nerve-hemidiaphragm preparation. Ehler KW, et al. **Proc West Pharmacol Soc** 1984;27:223-7

[Inherent morphofunctional effects of experimental procedures in studying the mechanism of transmitter release] Nikulin VG, et al. **Biull Eksp Biol Med** 1985 Mar; 99(3):373-6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Rabies virus binding at neuromuscular junctions. Burrage TG, et al. **Virus Res** 1985 Apr;2(3):273-89

PHYSIOLOGY

Precurarization with vecuronium and pancuronium in awake, healthy volunteers: the influence on neuromuscular transmission and pulmonary function. Engbaek J, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):117-20

Characterization of pre- and post-junctional adenosine receptors in guinea-pig ileum. Gustafsson LE, et al. **Acta Physiol Scand** 1985 Feb;123(2):195-203

Regulation of synapse formation by cyclic AMP. Nirenberg M, et al. **Adv Exp Med Biol** 1984;181:15-6

Vagotonic effect of inversion therapy upon resting neuromuscular tension. deVries HA, et al. **Am J Phys Med** 1985 Jun;64(3):119-29

Cell biology and protein composition of cardiac gap junctions. Manjunath CK, et al. **Am J Physiol** 1985 Jun; 248(6 Pt 2):H783-91 (45 ref.)

Regulation of gap junctional conductance. Spray DC, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H753-64 (112 ref.)

The armlift test. An alternative to the headlift test for assessing recovery from neuromuscular blockade. Bar ZG. **Anaesthesia** 1985 Jul;40(7):630-3

Thumb paraesthesia after neuromuscular twitch monitoring. Sia RL, et al. **Anaesthesia** 1985 Feb;40(2):167-9

The neuromuscular transmission monitor. A clinical assessment and comparison with a force transducer. Windsor JP, et al. **Anaesthesia** 1985 Feb;40(2):146-51

A simple device for testing peripheral nerve stimulators [letter] Sarnat AJ. **Anesthesiology** 1984 Nov;61(5):624-5

Changes in motor unit action potential parameters in monopolar recordings related to filter settings of the EMG amplifier. Chu J, et al. **Arch Phys Med Rehabil** 1985 Sep; 66(9):601-4

Residual latency (delay at the neuromuscular junction): normative values and heritability in mice. Reed TE. **Behav Genet** 1984 May;14(3):209-19

Postjunctional alpha-adrenoceptors in man. van Brummelen P, et al. **Bibl Cardiol** 1984;(38):270-6 (38 ref.)

Seasonal changes in the properties of frog. End-plate channels. Lewis CA. **Biophys J** 1984 Aug;46(2):273-6

Miniature endplate potential frequency and amplitude determined by an extension of Campbell's theorem. Segal JR, et al. **Biophys J** 1985 Feb;47(2 Pt 1):183-202

A method for testing an extended poisson hypothesis of spontaneous quantal transmitter release at neuromuscular junctions. Yana K, et al. **Biophys J** 1984 Sep;46(3):323-30

Differential effects of myoneural blocking drugs on neuromuscular transmission in infants. Robbins R, et al. **Br J Anaesth** 1984 Oct;56(10):1095-9

The dependence of excitatory junction potential amplitude on the external calcium concentration in narcotic tolerant mouse vas deferens. Einstein R, et al. **Br J Pharmacol** 1984 Dec;83(4):853-61

Baclofen has a presynaptic action at the crayfish neuromuscular junction. Barry SR. **Brain Res** 1984 Oct 8;311(1):152-6

Three cholinergic neuroblastoma hybrid cell lines that form few synapses on myotubes are deficient in acetylcholine receptor aggregation molecules and large dense core vesicles. Busis NA, et al. **Brain Res** 1984 Dec 24; 324(2):201-10

Posttetanic potentiation in strong and weak neuromuscular junctions: physiological differences caused by a differential Ca2+-influx. Pawson PA, et al. **Brain Res** 1984 Dec 10; 323(2):311-5

Developmental changes in the glutamate receptor at the insect neuromuscular synapse. Saito M, et al. **Brain Res** 1985 Feb;350(1-2):97-102

Miniature endplate potential amplitudes corrected for spatial decay are not normally distributed. Tremblay JP, et al. **Brain Res** 1985 Feb 25;328(1):170-5

Activity and synapse elimination at the neuromuscular junction. Thompson WJ. **Cell Mol Neurobiol** 1985 Jun; 5(1-2):167-82

Neurogenic control of cerebral circulation. Burnstock G. **Cephalalgia** 1985 May;5 Suppl 2:25-33 (84 ref.)

Evidence for the involvement of alpha 1-adrenoceptors in negative feedback regulation of noradrenergic transmitter release in rat atria. Story DF, et al. **Clin Sci** 1985;68 Suppl 10:111s-115s

Postsynaptic effects of nickel ions at the insect neuromuscular junction. Miyamoto T, et al. **Comp Biochem Physiol [C]** 1985;81(1):11-7

Mathematical modeling and simulation of the postural control loop. Part III. Agarwal GC, et al. **Crit Rev Biomed Eng** 1984;12(1):49-93 (328 ref.)

Functional connections with foreign muscles made by a target-deprived insect motorneuron. Whitington PM. **Dev Biol** 1985 Feb;107(2):537-40

The effect of continuous voluntary activation on neuromuscular transmission: a SFEMG study of myasthenia gravis and anterior horn cell disorders. Ingram DA, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar; 60(3):207-13

The boundary conditions for measurement of the conduction velocity of muscle fibres with surface EMG. Sollie G, et al. **Electromyogr Clin Neurophysiol** 1985 Jan-Feb; 25(1):45-56

Evaluation of the EMG spontaneous activity in tetany: further development of a method of automatic analysis. Starita A, et al. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec;24(7):619-23

Mathematical analysis of the changes in the action potential and ionic currents of frog muscle fibres at different temperatures. Stephanova DI. **Electromyogr Clin Neurophysiol** 1984 Nov-Dec; 24(7):599-610

The neuromuscular junction: recent developments. Bowman WC. **Eur J Anaesthesiol** 1985 Mar;2(1):59-93 (139 ref.)

A computerized neuromuscular blockade monitor with visual-display unit: a preliminary report. Zorab JS, et al. **Eur J Anaesthesiol** 1984 Mar;1(1):85-92

Neuromuscular, anaerobic, and aerobic performance characteristics of elite power athletes. Häkkinen K, et al. **Eur J Applied Physiol** 1984;53(2):97-105

Regeneration of axonal endings of neuromuscular junctions of the soleus muscle in rats under conditions of hypodynamia. Marciniak M. **Exp Pathol** 1985;27(2):111-8

Neuromuscular transmission in arterioles. Hirst GD, et al. **Experientia** 1985 Jul 15;41(7):874-9

Activity increases quantal size at the frog neuromuscular junction. Van der Kloot W, et al. **Experientia** 1985 Jan 15;41(1):47-8

Control properties of motor units. De Luca CJ. **J Exp Biol** 1985 Mar;115:125-36

Neuromuscular relationships during claw regeneration in Californian snapping shrimp. Stephens PJ, et al. **J Exp Zool** 1984 Aug;231(2):177-83

Long-term facilitation and long-term adaptation at synapses of a crayfish phasic motoneuron. Lnenicka GA, et al. **J Neurobiol** 1985 Mar;16(2):97-110

Coated vesicles are associated with acetylcholine receptors at nerve-muscle contacts. Bursztajn S. **J Neurocytol** 1984 Aug;13(4):503-18

Neurogenetic analysis of potassium currents in Drosophila: synergistic effects on neuromuscular transmission in double mutants. Ganetzky B, et al. **J Neurogenet** 1983 Sep; 1(1):17-28

Anti-idiotypic antibodies, acetylcholine receptor antibodies and disturbed neuromuscular function in healthy relatives to patients with myasthenia gravis. Lefvert AK, et al. **J Neuroimmunol** 1985 Jul;9(1-2):41-53

Control of sequential movements: evidence for generalized motor programs. Carter MC, et al. **J Neurophysiol** 1984 Nov;52(5):787-96

Differential changes in the end-plate architecture of functionally diverse muscles during aging. Rosenheimer JL, et al. **J Neurophysiol** 1985 Jun;53(6):1567-81

Correlation of presynaptic and postsynaptic events during establishment of long-term facilitation at crayfish neuromuscular junction. Wojtowicz JM, et al. **J Neurophysiol** 1985 Aug;54(2):220-30

The absence of calcium blocks impulse-evoked release of acetylcholine but not de novo formation of functional neuromuscular synaptic contacts in culture. Henderson LP, et al. **J Neurosci** 1984 Dec;4(12):3140-50

Effects of changes in motor unit size on transmitter release at the frog neuromuscular junction. Herrera AA, et al. **J Neurosci** 1985 Jul;5(7):1896-900

Postsynaptic block of frog neuromuscular transmission by conotoxin GI. McManus OB, et al. **J Neurosci** 1985 Jan; 5(1):110-6

Neonatal denervation inhibits the normal postnatal decrease in endplate channel open time. Schuetze SM, et al. **J Neurosci** 1984 Sep;4(9):2297-302

The regulation of synaptic strength within motor units of the frog cutaneous pectoris muscle. Trussell LO, et al. **J Neurosci** 1985 Jan;5(1):243-54

Temperature effects on spontaneous and evoked quantal size at the frog neuromuscular junction. Van der Kloot W, et al. **J Neurosci** 1984 Sep;4(9):2200-3

Detection of synchrony in the discharge of a population of neurons. I. Development of a synchronization index. Hamm TM, et al. **J Neurosci Methods** 1985 Mar;13(1):37-50

Software that detects and analyzes bioelectrical events by assessing the fit of modeled subintervals. Langdon RB. **J Neurosci Methods** 1985 Feb;12(4):331-41

Detection of synchrony in the discharge of a population of neurons. II. Implementation and sensitivity of a synchronization index. Roscoe DD, et al. **J Neurosci Methods** 1985 Mar;13(1):51-64

Profiles of evoked release along the length of frog motor nerve terminals. D'Alonzo AJ, et al. **J Physiol (Lond)** 1985 Feb;359:235-58

Changes in miniature end-plate potentials after brief nervous stimulation at the frog neuromuscular junction. Doherty P, et al. **J Physiol (Lond)** 1984 Nov;356:349-58

Polyneuronal innervation and quantal transmitter release in formamide-treated frog sartorius muscles. Herrera AA. **J Physiol (Lond)** 1984 Oct;355:267-80

Dopaminergic modulation of neuromuscular transmission in the prawn. Miller MW, et al. **J Physiol (Lond)** 1985 Jun; 363:363-75

The role of sialic acid in the nerve terminal for the release of transmitter. Nishimura M, et al. **Life Sci** 1984 Dec 10; 35(24):2435-41

Interactions of bupivacaine with ionic channels of the nicotinic receptor. Analysis of single-channel currents. Aracava Y, et al. **Mol Pharmacol** 1984 Sep;26(2):304-13

Interactions of bupivacaine with ionic channels of the nicotinic receptor. Electrophysiological and biochemical studies. Ikeda SR, et al. **Mol Pharmacol** 1984 Sep; 26(2):293-303

Acetylcholine receptor-aggregating factor is similar to molecules concentrated at neuromuscular junctions. Fallon JR, et al. **Nature** 1985 Jun 13-19;315(6020):571-4

Multiple innervation of tonic endplates revealed by activity-dependent uptake of fluorescent probes. Lichtman JW, et al. **Nature** 1985 Mar 28-Apr 3;314(6009):357-9

Depolarization dependence of the kinetics of phasic transmitter release at the crayfish neuromuscular junction. Parnas I, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):157-62

Distribution of spontaneous release along the frog neuromuscular junction. Tremblay JP, et al. **Neurosci Lett** 1984 Oct 12;51(2):247-52

Two types of miniature endplate potentials in Xenopus nerve-muscle cultures. Kidokoro Y. **Neurosci Res** 1984 Jun; 1(3):157-70

Physiological properties and pattern of innervation of regenerated muscles in the rat. Albani M, et al. **Neuroscience** 1985 Jun;15(2):489-98

Discrete events measure single quanta of adenosine 5'-triphosphate secreted from sympathetic nerves of guinea-pig and mouse vas deferens. Stjärne L, et al. **Neuroscience** 1984 Sep;13(1):21-8

Animal model for peripheral nerve grafting. Ellis JC, et al. **Otolaryngol Head Neck Surg** 1984 Oct;92(5):546-50

Temperature-induced changes in neuromuscular function: central and peripheral mechanisms. Goodman D, et al. **Percept Mot Skills** 1984 Oct;59(2):647-56

Control of quantal transmitter release at frog's motor nerve terminals. I. Dependence on amplitude and duration of depolarization. Dudel J. **Pflugers Arch** 1984 Nov; 402(3):225-34

Control of quantal transmitter release at frog's motor nerve terminals. II. Modulation by de- or hyperpolarizing pulses. Dudel J. **Pflugers Arch** 1984 Nov;402(3):235-43

The voltage and temperature dependence of the end-plate current in frog skeletal muscle. Kordaš M, et al. **Pflugers Arch** 1984 Aug;401(4):408-13

Acetylcholine-sensitivity and local regenerative activity in denervated frog slow muscle fibres. Lehouelleur J, et al. **Pflugers Arch** 1984 Sep;402(1):88-93

Quantal mechanism of long-term synaptic potentiation. Baxter DA, et al. **Proc Natl Acad Sci USA** 1985 Sep; 82(17):5978-82

On the mechanism of cholinergic excitation. Prinz H, et al. **Prog Clin Biol Res** 1984;164:279-89

Multiplicity of functional behavior of human intercostal muscles. Arita H, et al. **Tokai J Exp Clin Med** 1983 Nov; 8(4):339-47

[Aspects of morphological manifestations of the plasticity of the peripheral nervous system. I. Plasticity of the neuromuscular system] Soukup T, et al. **Cesk Neurol Neurochir** 1984 Nov;47(6):345-9 **(Cze)**

[Transmission behavior of the neuromuscular synapse: interpretation of experimental data by a model] Fritzsche B. **Biol Cybern** 1985;51(5):335-46 (Eng. Abstr.) **(Ger)**

[Etiopathogenetic considerations in 2 cases of dysmetabolic hypokalemic paralysis with signs of increased neuromuscular excitability during potassium repletion] Caccia MR. **Riv Patol Nerv Ment** 1983 May-Jun; 104(3):97-104 (Eng. Abstr.) **(Ita)**

[A hardware model of the neuro-muscular system in peristaltic movement] Hoshimiya N, et al. **Iyodenshi To Seitai Kogaku** 1984 Jun;22(3):174-9 (Eng. Abstr.) **(Jpn)**

[Histological, histochemical and electron-microscopic study of muscles, endplates and intramuscular nerves in experimental reinnervation] Nakano Y, et al. **Rinsho Shinkeigaku** 1984 May;24(5):476-86 (Eng. Abstr.) **(Jpn)**

[Structural features of the brains of rats selected for their thresholds of neuromuscular excitability] Dmitrieva NI, et al. **Arkh Anat Gistol Embriol** 1985 Feb;88(2):5-10 (Eng. Abstr.) **(Rus)**

[Effect of long-term postsynaptic membrane voltage clamp at different levels on neuromuscular transmission in the frog] Krivoĭ II, et al. **Fiziol Zh SSSR** 1984 Oct; 70(10):1448-53 (Eng. Abstr.) **(Rus)**

[Role of calcium ions and cyclic nucleotides in neurotrophic control of the membrane properties of muscle fibers in the frog] Volkov EM, et al. **Fiziol Zh SSSR** 1985 Jun; 71(6):744-9 (Eng. Abstr.) **(Rus)**

[Periodic changes in evoked mediator secretion at the neuromuscular synapse] Zefirov AL. **Fiziol Zh SSSR** 1985 Jun;71(6):737-43 (Eng. Abstr.) **(Rus)**

[Factors determining the duration of a single postsynaptic

EWARK PUBLIC LIB

response in neuromuscular junctions] Magazanik LG, et al. **Neirofiziologiia** 1984;16(5):590-602 (Eng. Abstr.) **(Rus)**

[Effect of blockade of axonal transport on endplate currents of muscle fibers in the frog] Volkov EM, et al. **Neirofiziologiia** 1985;17(2):204-11 (Eng. Abstr.) **(Rus)**

[Does non-quantum secretion of acetylcholine from motor neuron endings participate in the neurotrophic control of the membrane potential of muscle fibers in the rat?] Volkov EM, et al. **Neirofiziologiia** 1985;17(3):358-65 (Eng. Abstr.) **(Rus)**

[Distribution and functioning of mediator release sites in the neuromuscular junction of the frog] Zefirov AL. **Neirofiziologiia** 1985;17(2):152-60 (Eng. Abstr.) **(Rus)**

[Effect of sapropel from Lake Moltai and its components on the functions of nervous and muscle tissues (experimental study)] Serov SI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):52-3 **(Rus)**

[Neurophysiologic study of the effect of 2PAM-Cl on the neuromuscular junction] Stamenović BA. **Vojnosanit Pregl** 1984 Sep-Oct;41(5):326-35 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Experimental foundations of EMG biofeedback with the upper extremity: a review of the literature. Ince LP, et al. **Biofeedback Self Regul** 1984 Sep;9(3):371-83

The dependence of excitatory junction potential amplitude on the external calcium concentration in mouse vas deferens during narcotic withdrawal. Einstein R, et al. **Br J Pharmacol** 1984 Dec;83(4):863-70

Reversal of paralysis in nerve-muscle preparations isolated from animals with hereditary motor endplate disease. Harris JB, et al. **Br J Pharmacol** 1985 Jan;84(1):6-8

Sensation of respiratory force following low cervical spinal cord transection. Gottfried SB, et al. **J Appl Physiol** 1984 Oct;57(4):989-94

Experimental autoimmune myasthenia gravis: can pretreatment with 125I-labeled receptor prevent functional damage at the neuromuscular junction? Sterz RK, et al. **J Immunol** 1985 Feb;134(2):841-6

The neuromuscular features of acromegaly: a clinical and pathological study. Khaleeli AA, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1009-15

Relationship between intracellular oxygenation and neuromuscular conduction during hypoxic hypoxia. Millis RM, et al. **Life Sci** 1984 Dec 10;35(24):2443-51

[Dedifferentiation and remodeling of motor endplates following experimental localized lesions of muscle fibers] Couteaux R, et al. **C R Acad Sci [III]** 1984;299(9):389-96 (Eng. Abstr.) **(Fre)**

[Changes in the neuromuscular system of children with dysplastic scoliosis during health resort treatment including mud therapy] Golubova TF. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr;(2):58-60 **(Rus)**

SECRETION

[Electrophysiological evaluation of mediator secretion and pool at an individual point of neuromuscular synapse release in the frog] Zefirov AL. **Biull Eksp Biol Med** 1984 Nov;98(11):520-3 (Eng. Abstr.) **(Rus)**

[Dynamics of changes in the spontaneous quantum and nonquantum secretion of acetylcholine from the motor nerve endings after nerve dissection] Nikol'skiĭ EE, et al. **Dokl Akad Nauk SSSR** 1985;281(3):762-4 **(Rus)**

ULTRASTRUCTURE

Ultrastructural studies on the neuromuscular junctions of Becker's muscular dystrophy. Fukuhara N, et al. **Acta Neuropathol (Berl)** 1985;66(4):283-91

Effects of dithiobiuret intoxication on motor end plates in sternocostalis and hindlimb muscles of female rats. Kemplay S. **Acta Neuropathol (Berl)** 1984;65(1):77-84

Ultrastructural study of neuromuscular junctions in experimental autoimmune myasthenia gravis (EAMG) in rabbits. Arizono N, et al. **Acta Pathol Jpn** 1985 May;35(3):621-9

Ultrastructural changes of neuromuscular receptor organs in the masseter muscles following unilateral transection of the rat infraorbital nerve. Kubota K, et al. **Anat Anz** 1985;158(2):135-57

Scanning electron microscope studies on the Schwann cells in rat motor endplates with special reference to their finger-like projections. Ogata T, et al. **Arch Histol Jpn** 1984 Nov;47(5):533-9

The three-dimensional structure of motor endplates in different fiber types of rat intercostal muscle. A scanning electron-microscopic study. Ogata T, et al. **Cell Tissue Res** 1985;241(3):465-72

Extracellular matrix components involved in neuromuscular transmission and regeneration. Anglister L, et al. **Ciba Found Symp** 1984;108:163-78

Cytoskeletal proteins at the cholinergic synapse: distribution of desmin, actin, fodrin, neurofilaments, and tubulin in Torpedo electric organ. Walker JH, et al. **Eur J Cell Biol** 1985 Jul;38(1):123-33

Demonstration of electron-dense material in clear synaptic vesicles using cationic ferrocenyl compounds. Ichev K, et al. **Histochemistry** 1984;81(5):501-4

Electron-microscope cytochemistry of acetylcholine-like cation by means of low-temperature 'ionic fixation'. Tsuji S. **Histochemistry** 1984;81(5):453-5

Scanning and freeze-fracture study of larval nerves and neuromuscular junctions in Manduca sexta. Schaner PJ, et al. **J Neurobiol** 1985 Mar;16(2):83-96

An ultrastructural comparison of neuromuscular relationships in blood vessels with functional and 'non-functional' neuromuscular transmission. Cowen T. **J Neurocytol** 1984 Jun;13(3):369-92

Neuromuscular plasticity following limb immobilization. Pachter BR, et al. **J Neurocytol** 1984 Dec;13(6):1013-25

Paucity of secondary synaptic clefts in a case of congenital myasthenia with multiple contractures: ultrastructural morphology of a developmental disorder. Smit LM, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1091-7

Age changes of motor innervation and acetylcholine receptor distribution on human skeletal muscle fibres. Oda K. **J Neurol Sci** 1984 Nov-Dec;66(2-3):327-38

Observations on the innervation of human extraocular muscles. Sadeh M, et al. **J Neurol Sci** 1984 Nov-Dec;66(2-3):295-305

Effects of chronic stress and exercise on age-related changes in end-plate architecture. Rosenheimer JL. **J Neurophysiol** 1985 Jun;53(6):1582-9

Quantitative comparison of the structural features of slow and fast neuromuscular junctions in Manduca. Rheuben MB. **J Neurosci** 1985 Jul;5(7):1704-16

Na channels in skeletal muscle concentrated near the neuromuscular junction. Beam KG, et al. **Nature** 1985 Feb 14-20;313(6003):588-90

Topographic comparison of neuromuscular junctions in mouse slow and fast twitch muscles. Fahim MA, et al. **Neuroscience** 1984 Sep;13(1):227-35

[A scanning electron microscopic study of denervated neuromuscular junctions] Matsuda Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Feb;59(2):193-202 (Eng. Abstr.) **(Jpn)**

[Ultrastructural changes in axomuscular synapses during increased motor activity] Studitskiĭ AN, et al. **Dokl Akad Nauk SSSR** 1985;281(2):426-8 **(Rus)**

[Ultrastructural organization of the neuromuscular synapses in red muscle fibers of rats during increased motor activity] Umnova MM, et al. **Dokl Akad Nauk SSSR** 1985;280(5):1239-41 **(Rus)**

NEUROMUSCULAR NONDEPOLARIZING AGENTS see **CURARE-LIKE AGENTS**

NEUROMUSCULAR SPINDLES

ANATOMY & HISTOLOGY

Motor innervation of intrafusal fibers in rat muscle spindles: incomplete separation of dynamic and static systems. Walro JM, et al. **Am J Anat** 1985 May;173(1):55-68

CYTOLOGY

Topographic studies relating distribution of Ia- and gamma-fibres in spinal cord and position of muscle spindles in cat tibialis anterior muscle. Huhle R. **Brain Res** 1985 May 6;333(2):299-304

Distribution of innervating neurons of masticatory muscle spindles in the rat: an HRP study. Rokx JT, et al. **Exp Neurol** 1985 Jun;88(3):562-9

GROWTH & DEVELOPMENT

Stages in the development of cat muscle spindles. Milburn A. **J Embryol Exp Morphol** 1984 Aug;82:177-216

METABOLISM

[Sodium and potassium content of intrafusal muscle fibers and their resting membrane potential in different ionic media] Pivovarova NB, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):808-13 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Time series modeling of neuromuscular system. Agarwal GC, et al. **Biol Cybern** 1984;51(2):103-11

Information transmission by isolated frog muscle spindle. Eckhorn R, et al. **Biol Cybern** 1985;52(3):165-76 (84 ref.)

The transducer and encoder of frog muscle spindles are essentially nonlinear. Physiological conclusions from a white-noise analysis. Pöpel B, et al. **Biol Cybern** 1984;51(1):21-32

Interaction of periodontal and jaw elevator spindle afferents in the cerebellum--sensory calibration. Taylor A, et al. **Brain Behav Evol** 1984;25(2-3):157-65

Sensory reinnervation of cat peroneus brevis muscle spindles after nerve crush. Barker D, et al. **Brain Res** 1985 Apr 29;333(1):131-8

Activity of muscle spindles, motor cortex and cerebellar nuclei during action tremor. Elble RJ, et al. **Brain Res** 1984 Dec 10;323(2):330-4

Reversal of the static component of spindle potential by imposed depolarizing current in the frog muscle spindle. Ito F, et al. **Brain Res** 1985 Feb 4;326(1):107-16

Prediction of muscle stretch receptor behavior using Wiener kernels. Moore GP, et al. **Brain Res** 1985 Apr 1;331(1):185-9

Changes in reciprocal Ia inhibition from wrist extensors to wrist flexors during voluntary movement in man. Cavallari P, et al. **Exp Brain Res** 1984;56(3):574-6

Action of single dynamic fusimotor neurones on cat soleus Ia afferents during muscle shortening. Morgan DL, et al. **Exp Brain Res** 1985;58(1):56-61

After-effects of stretch on the responses of cat soleus muscle spindles to static fusimotor stimulation. Proske U, et al. **Exp Brain Res** 1985;59(1):166-70

Active force and sensory response of single isolated cat muscle spindles in vitro. Fukami Y. **J Neurophysiol** 1984 Dec;52(6):1131-9

Action potential patterns of isolated frog muscle spindle in response to sinusoidal stimulation. Querfurth H. **J Neurophysiol** 1985 Jan;53(1):76-88

Receptor potentials of isolated frog muscle spindle evoked by sinusoidal stimulation. Querfurth H. **J Neurophysiol** 1985 Jan;53(1):60-75

Impulse rates and sensitivity to stretch of soleus muscle spindle afferent fibers during locomotion in premammillary cats. Taylor J, et al. **J Neurophysiol** 1985 Feb;53(2):341-60

Effect of intrafusal muscle mechanics on mammalian muscle spindle sensitivity. Poppele RE, et al. **J Neurosci** 1985 Jul;5(7):1881-5

Fusimotor reflexes in triceps surae muscle elicited by extension of the contralateral hind limb in the cat. Appelberg B, et al. **J Physiol (Lond)** 1984 Oct;355:99-117

Effects of stretch on dynamic fusimotor after-effects in cat muscle spindles. Emonet-Dénand F, et al. **J Physiol (Lond)** 1985 Mar;360:201-13

Fusimotor after-effects on responses of primary endings to test dynamic stimuli in cat muscle spindles. Emonet-Dénand F, et al. **J Physiol (Lond)** 1985 Mar;360:187-200

Discharge in muscle spindle afferents related to direction of slow precision movements in man. Hulliger M, et al. **J Physiol (Lond)** 1985 May;362:437-53

The after-effects of stretch and fusimotor stimulation on the responses of primary endings of cat muscle spindles. Morgan DL, et al. **J Physiol (Lond)** 1984 Nov;356:465-77

Non-dopaminergic neurones of the reticular part of substantia nigra can gate static fusimotor action onto flexors in cat. Schwarz M, et al. **J Physiol (Lond)** 1984 Sep;354:333-44

Can fusimotor activity potentiate the responses of muscle spindles to a tendon tap? Morgan DL, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):209-15

Effects of changes in preoptic temperature on stretch response of muscle spindle endings in the cat's soleus muscle. Sato H. **Pflugers Arch** 1984 Oct;402(2):144-9

The mammalian muscle spindle and its central control. Hulliger M. **Rev Physiol Biochem Pharmacol** 1984;101:1-110 (547 ref.)

The postnatal functional development of muscle stretch receptors in the rat. Vejsada R, et al. **Somatosens Res** 1985;2(3):205-22

Multiplicity of functional behavior of human intercostal muscles. Arita H, et al. **Tokai J Exp Clin Med** 1983 Nov;8(4):339-47

PHYSIOPATHOLOGY

Dynamic and static stretch responses in muscle spindle receptors in fatigued muscle. Nelson DL, et al. **Med Sci Sports Exerc** 1985 Aug;17(4):445-50

ULTRASTRUCTURE

Ultrastructural changes of neuromuscular receptor organs in the masseter muscles following unilateral transection of the rat infraorbital nerve. Kubota K, et al. **Anat Anz** 1985;158(2):135-57

Ultrastructure of dynamic and static skeletofusimotor endings in a cat muscle spindle. Kucera J, et al. **Cell Tissue Res** 1984;238(1):151-8

Histological study of motor innervation of nuclear bag1 intrafusal muscle fibers in the cat. Kucera J. **J Comp Neurol** 1985 Feb 15;232(3):331-46

Ultrastructural changes of the sensory nerve terminals in frog muscle spindle during dynamic stretch. Kim N, et al. **J Neurocytol** 1985 Feb;14(1):105-12

Freeze-fracture of sensory nerve endings in cat muscle spindles. Quick DC. **J Neurocytol** 1984 Dec;13(6):975-87

Shared motor innervation between dynamic and static intrafusal muscle fibers in the monkey. Kucera J. **Neurosci Lett** 1985 Jan 7;53(1):27-31

Fine structure of muscle spindles in the woodpecker (Dendrocopus major) and Quail (Coturnix coturnix japonica). Sağlam M. **Z Mikrosk Anat Forsch** 1984;98(5):775-88

[Comparative studies on characteristic structures of sensory and motor mechanisms in the stomatognathic system of the pangolin, Manis aurita (Mammalia). Part 1. Masticatory muscle and their spindle supply in the pangolin] Yeh YC. **Kokubyo Gakkai Zasshi** 1984 Dec;51(4):674-88 (Eng. Abstr.) **(Jpn)**

[Comparative studies on the characteristic structure of sensory and motor mechanisms in the stomatognathic system of the pangolin, Manis aurita (Mammalia). Part 2. Electron microscopic observations on the masticatory muscle spindles in the pangolin] Yeh YC. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):16-43 (Eng. Abstr.) **(Jpn)**

NEUROMYELITIS OPTICA see under **DEMYELINATING DISEASES**

NEURON DEGENERATION see **NERVE DEGENERATION**

NEURON-SPECIFIC ENOLASE see **PHOSPHOPYRUVATE HYDRATASE**

NEURONAL CEROID-LIPOFUSCINOSIS

COMPLICATIONS

Adult type of neuronal ceroid-lipofuscinosis with retinal involvement. Ikeda K, et al. **Clin Neuropathol** 1984 Nov-Dec;3(6):237-9

Retinal pigment epithelial dysfunction in early ovine ceroid lipofuscinosis: electrophysiologic and pathologic correlates. Samuelson D, et al. **Ophthalmologica** 1985;190(3):150-7

DIAGNOSIS

Sleep disturbance in patients with juvenile neuronal ceroid lipofuscinosis: a new application of the SCSB-method. Telakivi T, et al. **J Ment Defic Res** 1985 Mar;29 (Pt 1):29-35

DRUG THERAPY

Antioxidant treatment in Spielmeyer-Sjögren's disease. Santavuori P, et al. **Acta Neurol Scand** 1985 Feb; 71(2):136-45

ENZYMOLOGY

Tyrosine-hydroxylase immunoreactivity in retinas from a canine model for Batten-Stengel disease. Osborne NN, et al. **Naturwissenschaften** 1985 Jan;72(1):44-6

METABOLISM

A case of Kufs disease with abnormal pallidonigral iron deposit. Galatioto S, et al. **Ital J Neurol Sci** 1985 Jun; 6(2):225-31

Dolichol metabolism in cultured skin fibroblasts from patients with 'neuronal' ceroid lipofuscinosis (Batten's disease). Paton BC, et al. **J Inherited Metab Dis** 1984;7(3):112-6

Pathochemical study of a case of hereditary cerebral degenerative disease--lipopigment accumulation and peroxidase deficiency in brain. Yamaguchi S, et al. **Tohoku J Exp Med** 1985 Feb;145(2):223-9

PATHOLOGY

Glial filaments are a major brain fraction in infantile neuronal ceroid-lipofuscinosis. Paetau A, et al. **Acta Neuropathol (Berl)** 1985;65(3-4):190-94

Case of dementia and myoclonia in an adult associated with anomalies in polyunsaturated fatty acids in leukocytes and peripheral nerve. An ultrastructural study of peripheral nerve. Vallat JM, et al. **Eur Neurol** 1985;24(3):208-16

Canine ceroid lipofuscinosis, a model for ageing of the human isocortex. Braak H, et al. **Gerontology** 1984;30(4):215-7

Neuronal ceroid lipofuscinosis. A retinal trypsin digest study. De Venecia G, et al. **Ophthalmology** 1984 Nov; 91(11):1406-10

[Ophthalmologic and pathologico-anatomic findings in cercoid lipofuscinosis] Mayer U, et al. **Fortschr Ophthalmol** 1984;81(5):436-9 (Eng. Abstr.) **(Ger)**

[Ultrastructural observation of skin, peripheral blood cells and rectal mucosa in late infantile ceroid-lipofuscinosis] Kimura S. **No To Hattatsu** 1985 May;17(3):218-22 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Amacrine and horizontal cell dysfunction in adult ceroid-lipofuscinosis (Kufs disease) and anatomical correlates in the ovine model. Armstrong D, et al. **Int Ophthalmol** 1985 Apr;8(1):37-42

URINE

Urinary sediment dolichol excretion in patients with Batten disease and other neurodegenerative and storage disorders. Bennett MJ, et al. **Pediatr Res** 1985 Feb;19(2):213-6

VETERINARY

Phospholipid fatty acids in brains of normal sheep and sheep with ceroid-lipofuscinosis. Palmer DN, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):159-63

Influence of N-acetylhomocysteine thiolactone on cultured retinal cells in canine neuronal lipofuscinosis. An ultrastructural study. Spoerri PE, et al. **Ophthalmic Res** 1984;16(6):307-14

NEURONAL PLASTICITY

Plasticity of the developing synapse. Fishman MC. **Adv Exp Med Biol** 1984;181:241-6

Neuronal plasticity: a major factor in the restoration of brain function after injury. Toffano G, et al. **Ann Ist Super Sanita** 1984;20(1):93-8

Phosphoprotein regulation of memory formation: enhancement and control of synaptic plasticity by protein kinase C and protein F1. Routtenberg A. **Ann NY Acad Sci** 1985;444:203-11

Modifiability of responsiveness in a visual projection area of the chick brain: visual experience is only one of several factors involved. Payne JK, et al. **Behav Brain Res** 1984 Aug;13(2):163-72

Quantitative analysis of electrical properties of dendritic spines. Kawato M, et al. **Biol Cybern** 1984;50(6):447-54

Electrical properties of dendritic spines with bulbous end terminals. Kawato M, et al. **Biophys J** 1984 Aug; 46(2):155-66

Brainstem mechanisms for feeding in birds: interaction or plasticity. A functional-anatomical consideration of the pathways. Dubbeldam JL. **Brain Behav Evol** 1984; 25(2-3):85-98

Retinotectal synapses formed by ipsilaterally projecting fibers in the doubly innervated goldfish tectum. Airhart MJ, et al. **Brain Res** 1985 Jan 28;325(1-2):307-12

Protein kinase C phosphorylates a 47 Mr protein (F1) directly related to synaptic plasticity. Akers RF, et al. **Brain Res** 1985 May 13;334(1):147-51

Sprouting and retraction of neurites by undamaged adult molluscan neurons. Bulloch AG. **Brain Res** 1984 Nov 12; 321(2):369-73

Actin in the nervous system. Fifková E. **Brain Res** 1985 Jun; 356(2):187-215 (203 ref.)

The injury response of nerve fibres in the anterior medullary velum of the adult rat. McConnell P, et al. **Brain Res** 1984 Dec 10;323(2):257-68

Synaptic amplification by active membrane in dendritic spines. Miller JP, et al. **Brain Res** 1985 Jan 28; 325(1-2):325-30

Synaptic long-term enhancement (LTE) induced by a heterosynaptic neural input. Mochida S, et al. **Brain Res** 1985 Mar 11;329(1-2):360-3

Dendritic spines: role of active membrane in modulating synaptic efficacy. Perkel DH, et al. **Brain Res** 1985 Jan 28;325(1-2):331-5

Activity dependent plasticity of postsynaptic density structure in the ventral cochlear nucleus of the rat. Rees S, et al. **Brain Res** 1985 Jan 28;325(1-2):370-4

Enhancement of hippocampal field potentials in rats exposed to a novel, complex environment. Sharp PE, et al. **Brain Res** 1985 Jul 29;339(2):361-5

An electron microscopic study of the cerebellorubral connections after neonatal lesions in the sensorimotor and adjacent cortex in the albino rat. Shieh JY, et al. **Brain Res** 1984 Dec 17;324(1):1-10

Intertectal neuronal plasticity in Xenopus laevis: persistence despite catecholamine depletion. Udin SB, et al. **Brain Res** 1985 Mar;351(1):81-8

Plasticity of catecholaminergic neurons in aged rat brain: reinnervation and functional recovery after axotomy. Phelps CJ, et al. **Brain Res Bull** 1984 Dec;13(6):727-36

A possible mechanism of morphometric changes in dendritic spines induced by stimulation. Fifková E. **Cell Mol Neurobiol** 1985 Jun;5(1-2):47-63 (95 ref.)

Activity-dependent synaptic stabilization in development and learning: how similar the mechanisms? Schmidt JT. **Cell Mol Neurobiol** 1985 Jun;5(1-2):1-3

The role of brain extracellular proteins in neuroplasticity and learning. Shashoua VE. **Cell Mol Neurobiol** 1985 Jun; 5(1-2):183-207

Adaptive plasticity in the spinal stretch reflex: an accessible substrate of memory? Wolpaw JR. **Cell Mol Neurobiol** 1985 Jun;5(1-2):147-65

The plasticity of the Purkinje cell. Urich H. **Clin Exp Neurol** 1984;20:203-15

On the role of vestibulo-ocular reflex plasticity in recovery after unilateral peripheral vestibular lesions. Maioli C, et al. **Exp Brain Res** 1985;59(2):267-72

Growth and plasticity of rat cerebral cortex after central noradrenaline depletion. Brenner E, et al. **Exp Neurol** 1985 Jul;89(1):264-8

Plasticity in the 904-day-old male rat cerebral cortex. Diamond MC, et al. **Exp Neurol** 1985 Feb;87(2):309-17

Characterization of protein F1 (47 kDa, 4.5 pI): a kinase C substrate directly related to neural plasticity. Nelson RB, et al. **Exp Neurol** 1985 Jul;89(1):213-24

Neural plasticity and recovery of function after brain injury. Marshall JF. **Int Rev Neurobiol** 1985;26:201-47 (228 ref.)

Functional organization in cortical barrels of normal and vibrissae-damaged mice: a (3H) 2-deoxyglucose study. Durham D, et al. **J Comp Neurol** 1985 May 1;235(1):97-110

Postnatal development of the ipsilateral retinocollicular projection and the effects of unilateral enucleation in the golden hamster. Insausti R, et al. **J Comp Neurol** 1985 Apr 15;234(3):393-409

Effects of neonatal infraorbital lesions upon central trigeminal primary afferent projections in rat and hamster. Jacquin MF, et al. **J Comp Neurol** 1985 May 1;235(1):129-43

Effect of conditioning lesion on axonal sprout formation at nodes of Ranvier. McQuarrie IG. **J Comp Neurol** 1985 Jan 8;231(2):239-49

Dark rearing prolongs physiological but not anatomical plasticity of the cat visual cortex. Mower GD, et al. **J Comp Neurol** 1985 May 22;235(4):448-66

Quantitative and morphological studies on the plasticity of mixed synapses as exemplified by clear, spherical vesicles. Saballus R, et al. **J Hirnforsch** 1984;25(6):593-601

Age-related fine structural changes in axons and synapses during deafferentation of the rat pyriform cortex: a possible basis for plasticity. Bakay RA, et al. **J Neurocytol** 1984 Oct;13(5):743-65

Neuromuscular plasticity following limb immobilization. Pachter BR, et al. **J Neurocytol** 1984 Dec;13(6):1013-25

Stability of new electrical connections between adult Helisoma neurons is influenced by preexisting neuronal interactions. Bulloch AG, et al. **J Neurophysiol** 1984 Dec; 52(6):1094-105

Simulation of synaptic depression, posttetanic potentiation, and presynaptic facilitation of synaptic potentials from sensory neurons mediating gill-withdrawal reflex in Aplysia. Gingrich KJ, et al. **J Neurophysiol** 1985 Mar; 53(3):652-69

Apparent movement of optic terminals out of a local postsynaptically blocked region in goldfish optic tectum. Schmidt JT. **J Neurophysiol** 1985 Jan;53(1):237-51

Prenatal and postnatal hypothyroidism abolishes lesion-induced noradrenergic sprouting in the adult rat. Gottesfeld Z, et al. **J Neurosci Res** 1985;14(1):61-9

Alzheimer's disease: does neuron plasticity predispose to axonal neurofibrillary degeneration? [letter] Ashford JW, et al. **N Engl J Med** 1985 Aug 8;313(6):388-9

Changes in thalamic projection to the barrelfield of rat after neonatal lesions sparing one whisker. Boxer MI, et al. **Neurosci Lett** 1985 Jun 4;57(1):31-5

Structural plasticity of developing optic synapses under different lighting conditions. Güldner FH, et al. **Neurosci Lett** 1985 Apr 9;55(2):225-8

Increased binding of calcium in the hippocampal slice during long-term potentiation. Kuhnt U, et al. **Neurosci Lett** 1985 Jan 21;53(2):149-54

Unexpected reorganization of somatosensory cortex in a raccoon with extensive forelimb loss. Rasmusson DD, et al. **Neurosci Lett** 1985 Apr 9;55(2):167-72

Reduced day-to-day variation accompanies adaptive plasticity in the primate spinal stretch reflex. Wolpaw JR, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):165-71

Plasticity in cat visual cortex restored by electrical stimulation of the locus coeruleus. Kasamatsu T, et al. **Neurosci Res** 1985 Jun:2(5):365-86

Neuronal/glial plasticity in the supraoptic dendritic zone: dendritic bundling and double synapse formation at parturition. Perlmutter LS, et al. **Neuroscience** 1984 Nov; 13(3):769-79

Hippocampal stimulation limits performance but does not retard acquisition of food-reinforced learning. Caudarella M, et al. **Physiol Behav** 1984 May;32(5):895-8

The role of the central noradrenaline system in regulating neuronal plasticity in the developing neocortex. Kasamatsu T. **Prog Clin Biol Res** 1985;163C:369-73

Neural plasticity in schizophrenia. Haracz JL. **Schizophr Bull** 1985;11(2):191-229

Promoting functional plasticity in the damaged nervous system. Freed WJ, et al. **Science** 1985 Mar 29; 227(4694):1544-52

[A model for synaptic plasticity in the brain] Huan YY. **Sheng Li Ko Hsueh Chin Chan** 1985 Apr;16(2):154-7 **(Chi)**

[Morphological manifestations of the plasticity of synapses] Langmeier M. **Cesk Fysiol** 1985;34(2):101-16 **(Cze)**

[Aspects of morphological manifestations of the plasticity of the peripheral nervous system. III. Plasticity of peripheral nerves] Jirmanová I, et al. **Cesk Neurol Neurochir** 1985 Mar;48(2):53-7 **(Cze)**

[Aspects of morphological manifestations of the plasticity of the peripheral nervous system. I. Plasticity of the neuromuscular system] Soukup T, et al. **Cesk Neurol Neurochir** 1984 Nov;47(6):345-9 **(Cze)**

[Aspects of morphological manifestations of the plasticity of the peripheral nervous system. II. Plasticity of the afferent somatosensory system] Soukup T. **Cesk Neurol Neurochir** 1985 Jan;48(1):1-6 (60 ref.) **(Cze)**

[Correlation between the plasticity of monosynaptic inputs of command neurons of Helix lucorum and the plastic properties of the chemoreceptive membrane during rhythmic stimulation] Norekian TP, et al. **Neirofiziologiia** 1985;17(2):279-82 (Eng. Abstr.) **(Rus)**

[Long-term reorganization of the neuronal activity in field 7 of the neocortex in the cat after unilateral section of the visual radiation] Senatorov VV, et al. **Neirofiziologiia** 1985; 17(1):50-7 (Eng. Abstr.) **(Rus)**

[Synaptic plasticity at the levels of the archicortex and neocortex] Voronin LL. **Neirofiziologiia** 1984;16(5):651-65 (Eng. Abstr.) **(Rus)**

[2 types of neurons differing in their plastic properties: study of ionic mechanisms] D'iakonova TL. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):552-60 (Eng. Abstr.) **(Rus)**

[Formation of plastic connections of the visual system during ontogenesis of the rabbit] Farber DA, et al. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):520-7 (Eng. Abstr.) **(Rus)**

[Plastic changes of the network properties of neurons during learning in the cat] Galashina AG, et al. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):442-8 (Eng. Abstr.) **(Rus)**

[Reflection of the plastic properties of very simple neuronal assemblies in the statistical characteristics of the spike activity of their elements. Monosynaptically connected neurons] Zosimovskiĭ VA. **Zh Vyssh Nerv Deiat** 1984

Nov-Dec;34(6):1149-58 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of synaptic antagonists on perforant path paired-pulse plasticity: differentiation of pre- and postsynaptic antagonism. Harris EW, et al. **Brain Res** 1985 May 20; 334(2):348-53

Effects of nerve growth factor and its antibodies on sprouting of sensory axons following spinal cord hemisection. Hulsebosch CE, et al. **Brain Res** 1984 Dec 3;323(1):1-10

Colchicine-induced differential sprouting of the endplates on fast and slow muscle fibers in rat extensor digitorum longus, soleus and tibialis anterior muscles. Riley DA, et al. **Brain Res** 1985 Mar 11;329(1-2):83-95

Involvement of beta-adrenoreceptors in the shift of ocular dominance after monocular deprivation. Kasamatsu T, et al. **Exp Brain Res** 1985;59(3):507-14

Spinal cord tissue culture models for analyses of opioid analgesia, tolerance and plasticity. Crain SM. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:260-92 (120 ref.)

The effect of adrenalectomy and corticosterone on homotypic collateral sprouting of serotonergic fibers in hippocampus. Zhou FC, et al. **Neurosci Lett** 1985 Mar 15; 54(2-3):111-6

Estrogen stimulates neuronal plasticity in the deafferented hypothalamic arcuate nucleus in aged female rats. Matsumoto A, et al. **Neurosci Res** 1985 Jun;2(5):412-8

[Effect of enkephalins on the plasticity of pond snail] Verbnyi IaI. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr;35(2):306-13 (Eng. Abstr.) **(Rus)**

NEURONS

see related
NEURAL CONDUCTION

On the number of neurons in the dentate gyrus of the rat. Boss BD, et al. **Brain Res** 1985 Jul 8;338(1):144-50

Target cell surface glycoconjugates and neural induction in an amphibian. Gualandris L, et al. **J Embryol Exp Morphol** 1985 Apr;86:39-51

A simple algorithm for solving the cable equation in dendritic trees of arbitrary geometry. Koch C, et al. **J Neurosci Methods** 1985 Feb;12(4):303-15

Neuronal correlates of corticalization in mammals: a theory. Hofman MA. **J Theor Biol** 1985 Jan 7;112(1):77-95

Growth of dissociated neurons in culture dishes coated with synthetic polymeric amines. Rüegg UT, et al. **Neurosci Lett** 1984 Aug 31;49(3):319-24

ANALYSIS

Seasonal changes in the number of neurocytes containing lipofuscin pigment in selected areas of the brain of Rana temporaria L. Srebro Z, et al. **Acta Biol Hung** 1984; 35(1):71-5

Pancreatic ganglioneuronal amyloid. Occurrence in diabetic cats with islet amyloidosis. O'Brien TD, et al. **Am J Pathol** 1985 Jun;119(3):430-5

The distribution and some connections of cholecystokinin neurons in the rat brain. Fallon JH, et al. **Ann NY Acad Sci** 1985;448:121-32

Integrated anatomical and physiological studies of neuronal cholecystokinin receptors. Innis RB, et al. **Ann NY Acad Sci** 1985;448:188-97

Anatomical studies of cholecystokinin in neurons and pathways involved in neuroendocrine regulation. Kiss JZ. **Ann NY Acad Sci** 1985;448:144-51

Studies on cholecystokinin-containing neuronal pathways in rat cerebral cortex and striatum. Meyer DK, et al. **Ann NY Acad Sci** 1985;448:133-43

Heparan sulfate proteoglycans of human neuroblastoma cells: affinity fractionation on columns of platelet factor-4+. Maresh GA, et al. **Arch Biochem Biophys** 1984 Sep; 233(2):428-37

Myenteric enkephalin neurons around the laser-photocoagulation necrosis: an immunocytochemical investigation in the guinea pig jejunum and proximal colon. Kobayashi S, et al. **Arch Histol Jpn** 1985 Apr;48(2):239-54

Intraneuronal accumulation of myeloma proteins. Borges LF, et al. **Arch Neurol** 1985 Jul;42(7):690-4

Neuropeptide Y-like immunoreactivity in neuritic plaques of Alzheimer's disease. Dawbarn D, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):289-94

Dynorphin-A (1-8) is contained within perikarya, nerve fibres and nerve terminals of rat duodenum. Wolter HJ. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):610-5

gamma-Melanotropin is contained within neurons, nerve fibres and nerve endings of rat duodenum. Wolter HJ. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):448-53

kappa-Bungarotoxin: complete amino acid sequence of a neuronal nicotinic receptor probe. Grant GA, et al. **Biochemistry** 1985 Mar 12;24(6):1532-7

Somatostatin-like immunoreactivity within neuritic plaques. Armstrong DM, et al. **Brain Res** 1985 Jul 8;338(1):71-9

Evidence for 5-hydroxytryptamine in neurones in the gut of the toad, Bufo marinus. Anderson C, et al. **Cell Tissue Res** 1984;238(2):313-7

CRF-containing neurons of the rat hypothalamus. Daikoku S, et al. **Cell Tissue Res** 1985;240(3):575-84

Evidence for genetic influences on neurotransmitter content of identified neurones of Lymnaea stagnalis. Audesirk G, et al. **Comp Biochem Physiol [C]** 1985;81(1):57-60

Neuropeptide Y in the thyroid gland: neuronal localization and enhancement of stimulated thyroid hormone secretion. Grunditz T, et al. **Endocrinology** 1984 Oct;115(4):1537-42

Neuronal nuclei and glial nuclei from mammalian cerebral cortex. Nucleosome repeat lengths, DNA contents and H1 contents. Pearson EC, et al. **Eur J Biochem** 1984 Oct 15; 144(2):353-60

Taurine in the hippocampal formation of the Senegalese baboon, Papio papio: an immunocytochemical study with an antiserum against conjugated taurine. Ottersen OP, et al. **Exp Brain Res** 1985;59(3):457-62

Peptide-containing nerve fibers in the stomach wall of rat and mouse. Ekblad E, et al. **Gastroenterology** 1985 Jul; 89(1):73-85

Histamine-immunoreactive cells in the superior cervical ganglion and in the coeliac-superior mesenteric ganglion complex of the rat. Häppölä O, et al. **Histochemistry** 1985; 82(1):1-3

Localisation of histamine-immunoreactivity in specific neurones of the gastropod CNS including a cell which has been identified as histaminergic. Osborne NN, et al. **Histochemistry** 1984;81(2):207-8

Immunocytochemical localization of gastrin-releasing peptide/bombesin-like immunoreactive neurons in insects. Veenstra JA, et al. **Histochemistry** 1984;81(2):133-8

Neuropeptide Y immunoreactive neurons in the guinea-pig uvea and retina. Bruun A, et al. **Invest Ophthalmol Vis Sci** 1984 Oct;25(10):1113-23

Luteinizing hormone-releasing hormone neurons in human preoptic/hypothalamus: differential intraneuronal localization of immunoreactive forms. King JC, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):88-97

Preembedding colloidal gold immunostaining of hypothalamic neurons: light and electron microscopic localization of beta-endorphin-immunoreactive perikarya. Lamberts R, et al. **J Histochem Cytochem** 1985 Jun; 33(6):499-507

Ultrastructural analysis of central serotoninergic neurons immunolabeled by silver-gold-intensified diaminobenzidine chromogen. Completion of immunocytochemistry with X-ray microanalysis. Liposits Z, et al. **J Histochem Cytochem** 1985 Jun;33(6):604-10

Neurons and neuroendocrine cells contain chromogranin: detection of the molecule in normal bovine tissues by immunochemical and immunohistochemical methods. Nolan JA, et al. **J Histochem Cytochem** 1985 Aug; 33(8):791-8

Histamine-containing peripheral neuronal and endocrine systems. Panula P, et al. **J Histochem Cytochem** 1985 Sep; 33(9):933-41

Antisera to gamma-aminobutyric acid. III. Demonstration of GABA in Golgi-impregnated neurons and in conventional electron microscopic sections of cat striate cortex. Somogyi P, et al. **J Histochem Cytochem** 1985 Mar; 33(3):249-57

Distribution of neurofilament subunits in neurons and neuronal processes: immunohistochemical studies of bovine cerebellum with subunit-specific monoclonal antibodies. Trojanowski JQ, et al. **J Histochem Cytochem** 1985 Jun; 33(6):557-63

Concentration of free amino acids in primary cultures of neurones and astrocytes. Patel AJ, et al. **J Neurochem** 1985 Jun;44(6):1816-21

Elemental composition and water content of neuron and glial cells in the central nervous system of the North American medicinal leech (Macrobdella decora). Saubermann AJ, et al. **J Neurochem** 1985 Mar;44(3):825-34

Localization of 5-hydroxytryptamine to neurons and endoneurial mast cells in rat sensory ganglia. Kai-Kai MA, et al. **J Neurocytol** 1985 Feb;14(1):63-78

Characterization of GABAergic neurons in cerebellar primary cultures and selective neurotoxic effects of a serum fraction. Aloisi F, et al. **J Neurosci** 1985 Aug;5(8):2001-8

Localized survival of ciliary ganglionic neurons identifies neuronotrophic factor bands on nitrocellulose blots. Carnow TB, et al. **J Neurosci** 1985 Aug;5(8):1965-71

Comparison of labeled heat shock proteins in neuronal and non-neuronal cells of Aplysia californica. Greenberg SG, et al. **J Neurosci** 1985 May;5(5):1239-45

Nerve growth cones isolated from fetal rat brain. III. Calcium-dependent protein phosphorylation. Katz F, et al. **J Neurosci** 1985 Jun;5(6):1402-11

A regional analysis of alpha-spectrin in the isolated Mauthner neuron and in isolated axons of the goldfish and rabbit. Koenig E, et al. **J Neurosci** 1985 Mar;5(3):705-14

Comparative immunohistochemical and biochemical analysis of pancreatic polypeptide-like peptides with special reference to presence of neuropeptide Y in central and peripheral neurons. Lundberg JM, et al. **J Neurosci** 1984 Sep;4(9):2376-86

Differential effects of reserpine and 6-hydroxydopamine on neuropeptide Y (NPY) and noradrenaline in peripheral neurons. Lundberg JM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):331-40

Depolarization-induced increases in intracellular free calcium detected in single cultured neuronal cells. Perney TM, et al. **Neurosci Lett** 1984 Oct 12;51(2):165-70

A group of neurons highly reactive for enkephalins in the rat hypothalamus. Krukoff TL, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):931-6

Microtubule-associated protein 1B: identification of a major component of the neuronal cytoskeleton. Bloom GS, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5404-8

Synthesis of a naloxone affinity column and its use to isolate opiate binding sites from neuroblastoma X glioma NG108-15 hybrid cells. Ge BL, et al. **Proc West Pharmacol Soc** 1984;27:553-6

Receptor expression in primary cultures of neurons or astrocytes. Hertz L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):521-7 (42 ref.)

[The cells with a transient adrenergic phenotype in the embryonic intestines of rodents are neuronal in nature] Cochard P. **C R Acad Sci [III]** 1984;299(7):209-14 (Eng. Abstr.) **(Fre)**

[Presence of high concentrations of aluminum in neurons of a patient dying from a rapidly developing dementia] Galle P, et al. **C R Acad Sci [III]** 1984;299(13):535-9 (Eng. Abstr.) **(Fre)**

[Biochemistry of single neurons] Kato T. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):945-55 (83 ref.) **(Jpn)**

[Gravimetric analysis of the lipid content in neuronal cytoplasm] Krasnov IB. **Tsitologiia** 1984 Nov; 26(11):1327-30 (Eng. Abstr.) **(Rus)**

[Nerve cells can have more than one signal substance: coexistence of classical transmitters and peptides] Hökfelt T, et al. **Lakartidningen** 1984 Dec 26;81(52):4933-9 **(Swe)**

ANATOMY & HISTOLOGY

[The location of the neurons supplying the masseter of rats by horseradish peroxidase] Yuan WZ, et al. **Ssu Chuan I Hsueh Yuan Hsueh Pao** 1985 Mar;16(1):41-3 (Eng. Abstr.) **(Chi)**

CLASSIFICATION

Differential responses of serotonergic and non-serotonergic neurons in nucleus raphe magnus to systemic morphine in rats. Chiang CY, et al. **Brain Res** 1985 Jun 24; 337(1):146-50

Few cortical cholecystokinin immunoreactive neurons have long projections. Seroogy KB, et al. **Exp Brain Res** 1985; 59(3):533-42

Postnatal development of the superficial layers in the rat superior colliculus: a study with Golgi-Cox and Klüver-Barrera techniques. Warton SS, et al. **Exp Brain Res** 1985;58(3):490-502

Distinguishing rat brainstem reticulospinal nuclei by their neuronal morphology. I. Medullary nuclei. Newman DB. **J Hirnforsch** 1985;26(2):187-226

[Types of neurons in the visual cortex of the rat, identified in Nissl- and deimpregnated Golgi preparations] Werner L, et al. **J Hirnforsch** 1985;26(2):173-86 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Percentage of projection neurons and various types of interneurons in the human claustrum. Spahn B, et al. **Acta Anat (Basel)** 1985;122(4):245-8

Combined demonstration of an intraneuronal fluorescent dye and formaldehyde-induced catecholamine fluorescence in the guinea pig superior cervical ganglion. Folan J, et al. **Acta Histochem [Suppl] (Jena)** 1985;31:221-4

New instrumentation facilitates the study of genes coding for molecules involved in cell surface recognition. Dreyer WJ, et al. **Adv Exp Med Biol** 1984;181:175-84

Phosphoglucose-containing glycoproteins in intracellular trafficking and neuronal recognition. Marchase RB. **Adv Exp Med Biol** 1984;181:161-73

Molecular biology of the nerve growth cone: a perspective. Pfenninger KH. **Adv Exp Med Biol** 1984;181:1-14

Cell adhesion and the molecular processes of morphogenesis. Edelman GM. **Annu Rev Biochem** 1985;54:135-69 (91 ref.)

Enkephalin neurons in the guinea pig proximal colon: an immunocytochemical study using an antiserum to methionine-enkephalin-Arg6-Gly7-Leu8. Kobayashi S, et al. **Arch Histol Jpn** 1985 Feb;48(1):27-44

Ionic channels in a line of embryonal carcinoma cells induced to undergo neuronal differentiation. Ebihara L, et al. **Biophys J** 1984 Dec;46(6):827-30

Development of markers for cholinergic neurones in re-aggregate cultures of foetal rat whole brain in serum-containing and serum-free media: effects of triiodothyronine (T3). Atterwill CK, et al. **Br J Pharmacol** 1984 Sep;83(1):89-102

The central distribution of vagal catecholaminergic neurons which project into the abdomen in the rat. Gwyn DG, et al. **Brain Res** 1985 Feb 25;328(1):139-44

Morphology of peptide-containing neurons in the rat basolateral amygdaloid nucleus. McDonald AJ. **Brain Res** 1985 Jul 8;338(1):186-91

Hypertrophy of immunohistochemically identified cholinergic neurons of the basal nucleus of Meynert following ablation of the contralateral cortex in the rat. Pearson RC, et al. **Brain Res** 1984 Oct 8;311(1):194-8

Anterograde fluorescent labeling of olfactory receptor neurons by Procion and Lucifer dyes. Suzuki N. **Brain Res** 1984 Oct 8;311(1):181-5

Quantitative localization of neurons projecting to the mouse main olfactory bulb. Carson KA. **Brain Res Bull** 1984 Jun;

12(6):629–34

Neuronal types in the lateral geniculate nucleus of man. A Golgi-pigment study. Braak H, et al. **Cell Tissue Res** 1984; 237(3):509–20

Neurochemically similar myenteric and submucous neurons directly traced to the mucosa of the small intestine. Furness JB, et al. **Cell Tissue Res** 1985;241(1):155–63

Gonadotropin-releasing hormone-immunoreactive neuronal structures in the brain and pituitary of the African catfish, Clarias gariepinus (Burchell). Goos HJ, et al. **Cell Tissue Res** 1985;241(3):593–6

Immunoreactive neuronal pathways of growth hormone-releasing hormone (GRH) in the brain and pituitary of the teleost Gadus morhua. Pan JX, et al. **Cell Tissue Res** 1985;241(3):487–93

Immunocytochemical demonstration of peptidergic neurons in the central and peripheral nervous systems of the flatworm Microstomum lineare with antiserum to FMRF-amide. Reuter M, et al. **Cell Tissue Res** 1984; 238(3):431–6

Substance P-immunoreactive neurons in the brainstem of the cat related to cardiovascular centers. Triepel J, et al. **Cell Tissue Res** 1985;241(1):31–41

Identification of an olfactory receptor neuron subclass: cellular and molecular analysis during development. Allen WK, et al. **Dev Biol** 1985 Jun;109(2):393–401

Early differentiation of vertebrate spinal neurons in the absence of voltage-dependent Ca2+ and Na+ influx. Bixby JL, et al. **Dev Biol** 1984 Nov;106(1):89–96

Developmentally regulated plasmalemmal glycoconjugates of the surface and neural ectoderm. Currie JR, et al. **Dev Biol** 1984 Nov;106(1):109–20

Early events in insect neurogenesis. II. The role of cell interactions and cell lineage in the determination of neuronal precursor cells. Doe CQ, et al. **Dev Biol** 1985 Sep;111(1):206–19

Early events in insect neurogenesis. I. Development and segmental differences in the pattern of neuronal precursor cells. Doe CQ, et al. **Dev Biol** 1985 Sep;111(1):193–205

Identification of early neuronal subpopulations in avian neural crest cell cultures. Girdlestone J, et al. **Dev Biol** 1985 Jun;109(2):274–87

Phylogeny of a neural cell adhesion molecule. Hall AK, et al. **Dev Biol** 1985 Jul;110(1):39–46

Neuronal determination during embryonic development of the grasshopper nervous system. Kuwada JY, et al. **Dev Biol** 1985 Jul;110(1):114–26

Selective destruction of meningeal cells by 6-hydroxydopamine: a tool to study meningeal-neuroepithelial interaction in brain development. Sievers J, et al. **Dev Biol** 1985 Jul; 110(1):127–35

Effect of a notochordal implant on the early morphogenesis of the neural tube and neuroblasts: histometrical and histological results. van Straaten HW, et al. **Dev Biol** 1985 Jul;110(1):247–54

Effect of the weaver (wv) mutation on cerebellar neuron differentiation. I. Qualitative observations of neuron behavior in culture. Willinger M, et al. **Dev Biol** 1985 Jan; 107(1):156–72

Effect of the weaver (wv) mutation on cerebellar neuron differentiation. II. Quantitation of neuron behavior in culture. Willinger M, et al. **Dev Biol** 1985 Jan;107(1):173–9

A serum-free culture of the neurons in the septal, preoptic, and hypothalamic region. Effects of triiodothyronine and estradiol. Akuzawa K, et al. **Endocrinol Jpn** 1985 Feb; 32(1):163–73

Equilibrium-driven mechanism for preferential adhesion between chick embryo cells. Foucaud B, et al. **Exp Cell Res** 1985 Jan;156(1):164–74

Neurite extension by neuroblastoma cells on substratum-bound fibronectin's cell-binding fragment but not on the heparan sulfate-binding protein, platelet factor-4. Tobey SL, et al. **Exp Cell Res** 1985 Jun; 158(2):395–412

Cell death in the adult rat dorsal root ganglion after hind limb amputation, spinal cord transection, or both operations. Feringa ER, et al. **Exp Neurol** 1985 Feb; 87(2):349–57

Abnormal neuronal growth in the little (lit) cerebrum. Noguchi T, et al. **Exp Neurol** 1985 Jul;89(1):274–8

Neuron numbers in hypothalamic nuclei of young, middle-aged and aged male rats. Sartin JL, et al. **Experientia** 1985 Jan 15;41(1):109–11

Functional interaction of developing neurons with their target tissue. Introduction. Pilar GR. **Fed Proc** 1985 Sep; 44(12):2750–2

On the neurons with dendrites intermingling with the fibers of the human corpus callosum: a Golgi picture. Malobabić S, et al. **Gegenbaurs Morphol Jahrb** 1984;130(4):557–64

Image analysis of FITC-immunofluorescence histochemistry in perivascular substance P-positive nerves. Cowen T. **Histochemistry** 1984;81(6):609–10

Lithium ion inhibits nerve growth factor-induced neurite outgrowth and phosphorylation of nerve growth factor-modulated microtubule-associated proteins. Burstein DE, et al. **J Cell Biol** 1985 Sep;101(3):862–70

Intracellular regulators of neuronal sprouting: calmodulin-binding proteins of nerve growth cones. Hyman C, et al. **J Cell Biol** 1985 Sep;101(3):1153–60

Purification of a factor that promotes neurite outgrowth: isolation of laminin and associated molecules. Lander AD, et al. **J Cell Biol** 1985 Sep;101(3):898–913

Growth of neurites without filopodial or lamellipodial activity in the presence of cytochalasin B. Marsh L, et al. **J Cell Biol** 1984 Dec;99(6):2041–7

A neuronal cell surface heparan sulfate proteoglycan is required for dorsal root ganglion neuron stimulation of Schwann cell proliferation. Ratner N, et al. **J Cell Biol** 1985 Sep;101(3):744–54

Isolation of a cell-surface receptor for chick neural retina adherons. Schubert D, et al. **J Cell Biol** 1985 Jan; 100(1):56–63

Initial appearance and regional distribution of the neuron-glia cell adhesion molecule in the chick embryo. Thiery JP, et al. **J Cell Biol** 1985 Feb;100(2):442–56

Individual neural cell types express immunologically distinct N-CAM forms. Williams RK, et al. **J Cell Biol** 1985 Jul; 101(1):36–42

Glutamate- and GABA-containing neurons in the mouse and rat brain, as demonstrated with a new immunocytochemical technique. Ottersen OP, et al. **J Comp Neurol** 1984 Nov 1;229(3):374–92

In vitro differentiation of neuronal precursor cells from amphibian late gastrulae; morphological, immunocytochemical studies, biosynthesis, accumulation and uptake of neurotransmitters. Duprat AM, et al. **J Embryol Exp Morphol** 1985 Apr;86:71–87

Effects of antimycin, glucose deprivation, and serum on cultures of neurons, astrocytes, and neuroblastoma cells. Pauwels PJ, et al. **J Neurochem** 1985 Jan;44(1):143–8

On the replication and spread of rabies virus in the human central nervous system. Iwasaki Y, et al. **J Neuropathol Exp Neurol** 1985 Mar;44(2):185–95

Dendritic transport. II. Somatofugal movement of neuronal lysosomes induced by colchicine: evidence for a novel transport system in dendrites. Gorenstein C, et al. **J Neurosci** 1985 Aug;5(8):2018–27

Distribution of serotonin-immunoreactive cell bodies and processes in the abdominal ganglion of mature Aplysia. Kistler HB Jr, et al. **J Neurosci** 1985 Jan;5(1):72–80

Comparison of the distributions of ipsilaterally and contralaterally projecting corticocortical neurons in cat visual cortex using two fluorescent tracers. Segraves MA, et al. **J Neurosci** 1985 Aug;5(8):2107–18

Pyruvate participation in the low molecular weight trophic activity for central nervous system neurons in glia-conditioned media. Selak I, et al. **J Neurosci** 1985 Jan; 5(1):23–8

The morphology of physiologically identified GABAergic neurons in the somatic sensory part of the thalamic reticular nucleus in the cat. Yen CT, et al. **J Neurosci** 1985 Aug; 5(8):2254–68

An empirical method for converting nucleolar counts to neuronal numbers. Coggeshall RE, et al. **J Neurosci Methods** 1984 Dec;12(2):125–32

Form, function and intracortical projections of spiny neurones in the striate visual cortex of the cat. Martin KA, et al. **J Physiol (Lond)** 1984 Aug;353:463–504

Further characterization of substratum influence on PC12 cell shape and dopamine processing. Bethea CL, et al. **Mol Cell Endocrinol** 1985 Aug;42(1):59–72

Differentiation of PC12 phaeochromocytoma cells induced by v-src oncogene. Alemà S, et al. **Nature** 1985 Aug 8–14; 316(6028):557–9

Induction of proliferation or transformation of neuroretina cells by the mil and myc viral oncogenes. Bechade C, et al. **Nature** 1985 Aug 8–14;316(6028):559–62

Serotonin-containing cell charged with growth cone arrests. Meinertzhagen IA. **Nature** 1985 Jan 31–Feb 6; 313(6001):348–9

Cyclic GMP and neurone death [letter] Oppenheim RW. **Nature** 1985 Jan 17–23;313(5999):248

Changes in structural heterogeneity of surviving nerve cells. Sotnikov OS, et al. **Neurosci Behav Physiol** 1985 May–Jun; 15(3):181–8

Neuropeptides in aging and dementia. Joynt RJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:269–74

LHRH neurons and their projections in humans and other mammals: species comparisons. King JC, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:195–207

The nigrostriatal system and aging. McNeill TH, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:263–8

Methods for the isolation of viable gonadotropin-releasing hormone (LRF) neurons. Melrose PA, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):347–51

Corticotropin releasing factor-like immunoreactivity in sensory ganglia and capsaicin sensitive neurons of the rat central nervous system: colocalization with other neuropeptides. Skofitsch G, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):307–18

The glial cells and glia-neuron relations in the buccal ganglia of Planorbis corneus (L.): cytological, qualitative and quantitative changes during growth and ageing. Pentreath VW, et al. **Philos Trans R Soc Lond [Biol]** 1985 Jan 10; 307(1133):399–455

Laminin is associated with the 'neurite outgrowth-promoting factors' found in conditioned media. Lander AD, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2183–7

Neuronal traits of clonal cell lines derived by fusion of dorsal root ganglia neurons with neuroblastoma cells. Platika D, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3499–503

Differences in the neurons that project from the dorsal column nuclei to the diencephalon, pretectum, and tectum in the cat. Bull MS, et al. **Somatosens Res** 1984;1(3):281–300

Intensifier for Bodian staining of tissue sections and cell cultures. Katz MJ, et al. **Stain Technol** 1985 Mar;60(2):81–7

Relationship between neurosecretory activity and staining properties in a neurosecretory cell-pair of the suboesophageal ganglion of the cricket Teleogryllus commodus (Walker). Ogrisegg B, et al. **Z Mikrosk Anat Forsch** 1985;99(2):321–6

[Preparation of CT-HRP with domestic and foreign materials and comparison of their labeling effect] Cao CG, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):291–4 (Eng. Abstr.) **(Chi)**

[Immunofluorescence localization of corticoliberin neurons in the brain of pigeons] Bons N, et al. **C R Acad Sci [III]** 1985;300(2):49–52 (Eng. Abstr.) **(Fre)**

[Neuromorphological studies of trigeminal ganglion transplants under experimental conditions of in vitro culture] Grosse G, et al. **Z Mikrosk Anat Forsch** 1985; 99(2):265–70 (Eng. Abstr.) **(Ger)**

[Morphometric observations on the number of neurons in spinal ganglia] Mitolo V, et al. **Boll Soc Ital Biol Sper** 1984 Aug 31;60(8):1465–71 (Eng. Abstr.) **(Ita)**

[Relation between morphologic reactive rearrangement of neuronal elements and their specific surface] Sotnikov OS, et al. **Arkh Anat Gistol Embriol** 1984 Dec;87(12):33–40 (Eng. Abstr.) **(Rus)**

[Neurons forming striatonigral connections in the rat brain] Druga R. **Biol Nauki** 1985;(6):55–9 (Eng. Abstr.) **(Rus)**

[Developmental patterns of dopaminergic neurons in dissociated cultures of the substantia nigra from mouse embryos] Viktorov IV, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):729–31 (Eng. Abstr.) **(Rus)**

[Interneuronal connections in the transplantation of embryonic brain tissue into the brain of normal adult mammals and in pathology] Aleksandrova MA. **Dokl Akad Nauk SSSR** 1984 Sep–Oct;278(1):220–3 **(Rus)**

[Impregnoarchitectonic study of neurons in the caudal hypothalamic area in sheep] Rajtová V. **Vet Med (Praha)** 1985 Jun;30(6):337–44 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Effect of GM1 ganglioside treatment on the recovery of dopaminergic nigro-striatal neurons after different types of lesion. Toffano G, et al. **Acta Physiol Scand** 1984 Nov; 122(3):313–21

Modulation of neuroreceptor functions by lipomodulin, a phospholipase inhibitory protein. Hirata F, et al. **Adv Exp Med Biol** 1984;175:187–92 (10 ref.)

Histamine may act through cyclic AMP on hippocampal neurones. Haas HL. **Agents Actions** 1985 Apr;16(3–4):234–5

Effects of ketamine on the adaptive responses of second-order vestibular neurons of the cat. Ryu JH, et al. **Am J Otolaryngol** 1984 Jul–Aug;5(4):262–5

The effect of N-nitrosobis(2-hydroxypropyl)amine on pulmonary neuroepithelial cells in Syrian golden hamsters. Tateishi R, et al. **Am J Pathol** 1985 May;119(2):326–35

Cellular mechanistic bases for classification of clinically useful anticonvulsant drugs. McLean MJ, et al. **Ann Acad Med Singapore** 1985 Jan;14(1):128–36

Cholecystokinin and cultured spinal neurons. Immunohistochemistry, receptor binding, and neurophysiology. Rogawski MA, et al. **Ann NY Acad Sci** 1985;448:403–12

Actions of cholecystokinin octapeptide on rat spinal dorsal horn neurons. Willetts J, et al. **Ann NY Acad Sci** 1985; 448:385–402

Effects of adenosine triphosphate on neuron activities in the lateral and medial vestibular nuclei. Mori T, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):129–38

Effects of a fluorinated pyrimidinedione anti-cancer drug, 5-fluoro-1-(tetrahydro-2-furanyl)-2,4-pyrimidinedione (FT), and related compounds on nigro-striatal dopaminergic neurons in the central nervous system. Toide K, et al. **Arch Int Pharmacodyn Ther** 1985 Mar; 274(1):111–24

The toxicity and neuropathology of 2,4,5-tribromoimidazole and its derivatives in rats. Verschoyle RD, et al. **Arch Toxicol** 1984 Dec;56(2):109–12

Evaluation of neurotropic drug actions on tyrosine hydroxylase activity and dopamine metabolism in clonal cell lines. Bräutigam M, et al. **Arzneimittelforsch** 1985; 35(1A):277–84

Inhibition of GABA uptake potentiates the conductance increase produced by GABA-mimetic compounds on single neurones in isolated olfactory cortex slices of the guinea-pig. Brown DA, et al. **Br J Pharmacol** 1984 Sep; 83(1):195–202

Quantitative studies on some antagonists of N-methyl D-aspartate in slices of rat cerebral cortex. Harrison NL, et al. **Br J Pharmacol** 1985 Feb;84(2):381–91

Desensitization of prostacyclin responsiveness in a neuronal hybrid cell line: selective loss of high affinity receptors. Leigh PJ, et al. **Br J Pharmacol** 1985 May;85(1):237–47

Potentiation of the action of adenosine on cerebral cortical neurones by the tricyclic antidepressants. Phillis JW. **Br J Pharmacol** 1984 Oct;83(2):567–75

Adenosine deaminase antagonizes inhibitory responses to adenosine and non-adrenergic, non-cholinergic inhibitory nerve stimulation in isolated preparations of guinea-pig trachea. Satchell DG. **Br J Pharmacol** 1984 Oct;83(2):323–5

Effects of the synthetic glucocorticoid betamethasone on the survival of neurons in fetal rabbit brain cell culture. Kari B, et al. **Brain Res** 1985 Jul 22;339(1):1-7
Neuron generator potentials evoked by intracellular injection of cyclic nucleotides and mechanical distension. Liberman EA, et al. **Brain Res** 1985 Jul 8;338(1):33-44
Effects of clonidine on neuronal firing evoked by a noxious stimulus. O'Neill TP, et al. **Brain Res** 1985 Feb 18; 327(1-2):97-103
Diazepam and its anomalous p-chloro-derivative Ro 5-4864: comparative effects on mouse neurons in cell culture. Skerritt JH, et al. **Brain Res** 1984 Sep 17;310(1):99-105
Effect of phenytoin on intracellular calcium and intracellular protein changes during pentylenetetrazole-induced bursting activity in snail neurons. Sugaya E, et al. **Brain Res** 1985 Feb 18;327(1-2):161-8
Direct action of mazindol on guinea-pig ventromedial hypothalamic neurons: intracellular studies in slice preparation. Minami T, et al. **Brain Res Bull** 1985 Jul; 15(1):29-31
Qualitative study of a dynamical system for metrazol-induced paroxysmal depolarization shifts. Argémi J, et al. **Bull Math Biol** 1984;46(5-6):903-22
Some observations on vinca alkaloid and ethanol neurotoxicity using dissociated neuronal cultures. Riopelle RJ, et al. **Can J Physiol Pharmacol** 1984 Aug;62(8):1032-6
The effect of pentylenetetrazol on spike broadening and potassium inactivation. Doerner D, et al. **Comp Biochem Physiol [C]** 1984;79(2):441-5
Action potential prolongation: an effect of physostigmine (eserine) upon Retzius cells in the leech C.N.S. King WM, et al. **Comp Biochem Physiol [C]** 1984;79(1):71-6
Pharmacological characteristics of four giant neurons identified in the cerebral ganglia of an African giant snail (Achatina fulica Férussac). Ku BS, et al. **Comp Biochem Physiol [C]** 1985;80(1):123-8
Responses of mouse spinal neurones in culture to locally applied Phe-Met-Arg-Phe-NH2. McCarthy PW, et al. **Comp Biochem Physiol [C]** 1984;79(2):383-7
Pharmacological characteristics of three silent giant neurons, v-LPSN, v-1-VOrN and v-VLN, identified on the ventral surface in the left parietal and the visceral ganglia of the suboesophageal ganglia of an African giant snail (Achatina fulica Férussac). Matsuoka T, et al. **Comp Biocnem Physiol [C]** 1985;80(2):331-6
Acetylcholine responses of identified neurons in Helix pomatia--I. Interactions between acetylcholine-induced and potential-dependent membrane conductances. Witte OW, et al. **Comp Biochem Physiol [C]** 1985;80(1):15-23
Acetylcholine responses of identified neurons in Helix pomatia--II. Pharmacological properties of acetylcholine responses. Witte OW, et al. **Comp Biochem Physiol [C]** 1985;80(1):25-35
Acetylcholine responses of identified neurons in Helix pomatia--III. Ionic composition of the depolarizing currents induced by acetylcholine. Witte OW, et al. **Comp Biochem Physiol [C]** 1985;80(1):37-45
Electrophoretic similarity of the ciliary ganglion survival factors from different tissues and species. Collins F. **Dev Biol** 1985 May;109(1):255-8
Inhibitory effects of fetal calf serum on proliferation of chick neuroblasts in culture. Barakat I, et al. **Dev Neurosci** 1983-84;6(3):169-83
Ganglioside stimulation of neuronal maturation in vitro. Savettieri G, et al. **Dev Neurosci** 1983-84;6(3):184-8
Rapid bidirectional effects of insulin on hypothalamic noradrenergic and serotoninergic neuronal activity in the rat: role in glucose homeostasis. Smythe GA, et al. **Endocrinology** 1985 Oct;117(4):1590-7
The antagonism of acetylcholine excitatory and inhibitory responses of Helix central neurones, by some neuromuscular blocking drugs. Bokisch AJ, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):405-9
Effects of PK 8165, a partial benzodiazepine receptor agonist, on cholecystokinin-induced activation of hippocampal pyramidal neurons: a microiontophoretic study in the rat. Bradwejn J, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):415-8
Differential effects of dextrorphan and levorphanol on the excitation of rat spinal neurons by amino acids. Church J, et al. **Eur J Pharmacol** 1985 May 8;111(2):185-90
Idazoxan (RX 781094) selectively antagonizes alpha 2-adrenoceptors on rat central neurons. Freedman JE, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):265-72
Pharmacological modifications of the neurotoxic action of the noradrenaline neurotoxin DSP4 on central noradrenaline neurons. Hallman H, et al. **Eur J Pharmacol** 1984 Aug 17;103(3-4):269-78
Pharmacological interference with the neurotoxic action of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) on central catecholamine neurons in the mouse. Sundström E, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):293-9
Effects of alpha-kainic acid, domoic acid and their derivatives on a molluscan giant neuron sensitive to beta-hydroxy-L-glutamic acid. Takeuchi H, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):325-32
Buspirone increases locus coeruleus noradrenergic neuronal activity in vitro. Trulson ME, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):195-7
The supersensitivity of dopaminergic neurons to apomorphine in rats following chronic haloperidol. Vogelsang GD, et al. **Eur J Pharmacol** 1985 Apr 2; 110(2):267-9
Effects of four stereoisomers of beta-hydroxyglutamic acid on identifiable giant neurons of an African giant snail (Achatina fulica Férussac). Watanabe K, et al. **Eur J Pharmacol** 1985 Apr 23;111(1):57-63
Response of serotonin-containing neurons in nucleus raphe magnus to morphine, noxious stimuli, and periaqueductal gray stimulation in freely moving cats. Auerbach S, et al. **Exp Neurol** 1985 Jun;88(3):609-28
d-Tubocurarine causes neuronal death when injected directly into rat brain. Dasheiff RM. **Exp Neurol** 1985 Jul; 89(1):172-88
Intracellular injection of cAMP and cGMP into snail neurones induces an increase in Na+-conductance. Solntseva EI, et al. **Experientia** 1985 Feb 15;41(2):252-4
Modulation of striatal enkephalinergic neurons by antipsychotic drugs. Hong JS, et al. **Fed Proc** 1985 Jun; 44(9):2535-9
Purified proteins acting on cultured chick embryo ciliary ganglion neurons. Manthorpe M, et al. **Fed Proc** 1985 Sep; 44(12):2753-9
The action of gamma-aminobutyric acid (GABA) and ethylenediamine (EDA) on Limulus and Helix central neurones and rat cerebellar and sympathetic ganglion neurones. Bokisch AJ, et al. **Gen Pharmacol** 1984; 15(6):497-504
Responses of striatal neurons to anesthetics and analgesics in freely moving rats. Warenycia MW, et al. **Gen Pharmacol** 1984;15(6):517-22
Interaction of sodium ions with potassium channels of mollusc neuronal somatic membrane. Magura IS, et al. **Gen Physiol Biophys** 1985 Feb;4(1):93-5
Iohexol vs. metrizamide in studies of glucose metabolism. A survey. Ekholm SE. **Invest Radiol** 1985 Jan-Feb;20(1 Suppl):S18-21
Effects of 4-aminopyridine on sympathetic preganglionic neuron activity. Laskey W, et al. **J Auton Nerv Syst** 1984 Sep;11(2):201-6
Neuroinhibitory effects of SK&F 85174, a novel dopamine receptor agonist. Blumberg AL, et al. **J Cardiovasc Pharmacol** 1985 Jul-Aug;7(4):723-32
Selective destruction of nerve growth factor receptor-bearing cells in vitro using a hybrid toxin composed of ricin A chain and a monoclonal antibody against the nerve growth factor receptor. DiStefano PS, et al. **J Cell Biol** 1985 Sep;101(3):1107-14
Synergistic effects of cyclic AMP and nerve growth factor on neurite outgrowth and microtubule stability of PC12 cells. Heidemann SR, et al. **J Cell Biol** 1985 Mar; 100(3):916-27
Calcium enhances in vitro free radical-induced damage to brain synaptosomes, mitochondria, and cultured spinal cord neurons. Braughler JM, et al. **J Neurochem** 1985 Oct; 45(4):1288-93
Neurochemical and histochemical characterization of neurotoxic effects of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine on brain catecholamine neurones in the mouse. Hallman H, et al. **J Neurochem** 1985 Jan;44(1):117-27
Corticotropin-peptide regulation of intracellular cyclic AMP production in cortical neurons in primary culture. Weiss S, et al. **J Neurochem** 1985 Sep;45(3):869-74
Mutational and pharmacological alterations of neuronal membrane function disrupt conditioning in Drosophila. Cowan TM, et al. **J Neurogenet** 1984 Dec;1(4):333-44
Axonally transported Shigella cytotoxin is neuronotoxic. Wiley RG, et al. **J Neuropathol Exp Neurol** 1985 Sep; 44(5):496-506
Possible mechanisms by which repeated clozapine administration differentially affects the activity of two subpopulations of midbrain dopamine neurons. Chiodo LA, et al. **J Neurosci** 1985 Sep;5(9):2539-44
Dopamine reduces slow outward current and calcium influx in burst-firing neuron R15 of Aplysia. Lewis DV, et al. **J Neurosci** 1984 Dec;4(12):3014-20
Neuron-specific interactions with two neurite-promoting fragments of fibronectin. Rogers SL, et al. **J Neurosci** 1985 Feb;5(2):369-78
The neurotoxicity of excitatory amino acids is produced by passive chloride influx. Rothman SM. **J Neurosci** 1985 Jun; 5(6):1483-9
Studies on bioactive gangliosides: II. Requirement of ganglioside GD1a for prolonged GQ1b-driven nerve growth promotion in neuroblastoma cell lines. Arita M, et al. **J Neurosci Res** 1984;12(2-3):289-97
Effects of tunicamycin on NGF binding and neurite outgrowth in PC12 cells. Baribault TJ, et al. **J Neurosci Res** 1985;14(1):49-60
Effects of exogenous GM1 and GD1a on S20Y neuroblastoma cells. Carine K, et al. **J Neurosci Res** 1984; 12(1):59-69
Interaction of GM1 ganglioside with PC12 pheochromocytoma cells: serum- and NGF-dependent effects on neuritic growth (and proliferation). Katoh-Semba R, et al. **J Neurosci Res** 1984; 12(2-3):299-310
Dorsal root ganglia and nerve growth factor: a model for understanding the mechanism of GM1 effects on neuronal repair. Leon A, et al. **J Neurosci Res** 1984;12(2-3):277-87
Quantitation of the in vitro neuroblastoma response to exogenous, purified gangliosides. Leskawa KC, et al. **J Neurosci Res** 1985;13(4):539-50
On the role of the baseline firing rate in determining the responsiveness of cingulate cortical neurons to iontophoretically applied substance P and acetylcholine. Jones RS, et al. **J Pharm Pharmacol** 1984 Sep;36(9):623-5
Barbiturate-induced alterations in the kinetic parameters of slow outward current in Aplysia giant neurons. Huguenard JR, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):821-9
Suppression of repetitive firing of neurons by diphenylbarbituric acid. Huguenard JR, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):228-31
The role of gamma-aminobutyric acid mediated inhibition in the response properties of cat lateral geniculate nucleus neurones. Berardi N, et al. **J Physiol (Lond)** 1984 Dec; 357:505-23
Development of gamma-aminobutyric acid mediated inhibition of X cells of the cat lateral geniculate nucleus. Berardi N, et al. **J Physiol (Lond)** 1984 Dec;357:525-37
Multiple actions of a molluscan cardioexcitatory neuropeptide and related peptides on identified Helix neurones. Cottrell GA, et al. **J Physiol (Lond)** 1984 Nov; 356:315-33
Effect of excitatory amino acids on gamma-aminobutyric acid release from frog horizontal cells. Cunningham JR, et al. **J Physiol (Lond)** 1985 May;362:51-67
Lack of nicotinic supersensitivity in frog sympathetic neurones following denervation. Dunn PM, et al. **J Physiol (Lond)** 1985 Jun;363:211-25
The action of N-methyl-D-aspartic acid on mouse spinal neurones in culture. Mayer ML, et al. **J Physiol (Lond)** 1985 Apr;361:65-90
Intracellular study of effects of histamine on electrical behaviour of myenteric neurones in guinea-pig small intestine. Nemeth PR, et al. **J Physiol (Lond)** 1984 Oct; 355:411-25
Comparison of the action of baclofen with gamma-aminobutyric acid on rat hippocampal pyramidal cells in vitro. Newberry NR, et al. **J Physiol (Lond)** 1985 Mar;360:161-85
Effects of ethanol applied by electrosmosis on neurons in the lateral and medial vestibular nuclei. Kashii S, et al. **Jpn J Pharmacol** 1984 Oct;36(2):153-9
Effects of morphine and indomethacin on evoked neuronal responses of ventrobasal thalamic neurones: site of action of analgesic drugs in adjuvant arthritic rats. Okuyama S, et al. **Jpn J Pharmacol** 1984 Oct;36(2):177-86
Modulation of the histaminergic inhibitory synaptic potential in the Onchidium neuron by cyclic nucleotides. Gotow T. **Jpn J Physiol** 1984;34(6):1135-9
Three types of chemical modification-effects induced by various chemical reagents on the glutamate receptors in molluscan neurons. Maruhashi J, et al. **Jpn J Physiol** 1984; 34(6):1049-64
Effects of TRH and an analog, DN-1417 on the activities of single neurons in the nucleus accumbens, cerebral cortex and caudate-putamen of rats. Hashimoto T, et al. **Kurume Med J** 1983;30 Suppl:S19-27
The effect of a TRH analog on pyramidal neurons in the guinea-pig hippocampus in vitro. Inokuchi H, et al. **Kurume Med J** 1983;30 Suppl:S11-8
Primate model of parkinsonism: selective lesion of nigrostriatal neurons by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine produces an extrapyramidal syndrome in rhesus monkeys. Chiueh CC, et al. **Life Sci** 1985 Jan 21;36(3):213-8
Effects of diazepam on soman-induced brain neuronal RNA depletion and lethality in rats. Doebler JA, et al. **Life Sci** 1985 Mar 18;36(11):1107-15
The putative dopamine autoreceptor agonist B-HT 920 decreases nigral dopamine cell firing rate and prolactin release in rat. Eriksson E, et al. **Life Sci** 1985 May 13; 36(19):1819-27
Interaction of steroidal alkaloid toxins with calcium channels in neuronal cell lines. Kongsamut S, et al. **Life Sci** 1985 Apr 15;36(15):1493-501
Inhibition of locus coeruleus neuronal activity by beta-phenylethylamine. Lundberg PA, et al. **Life Sci** 1985 May 13;36(19):1889-96
Zetidoline, a novel neuroleptic, activates nigral dopaminergic neurons in rats. Mereu G, et al. **Life Sci** 1985 Feb 4; 36(5):459-64
Barbiturates decrease voltage-dependent calcium conductance of mouse neurons in dissociated cell culture. Werz MA, et al. **Mol Pharmacol** 1985 Sep;28(3):269-77
Increased autophagocytosis induced by colchicine in rat sympathetic neurons. Nicolescu PG, et al. **Morphol Embryol (Bucur)** 1984 Oct-Dec;30(4):251-4
Mitomycin C effects on cell cycle progression, including inhibition of very late prophase, as seen in living neuroblasts of Chortophaga viridifasciata, with some observations on mitomycin C purity. Gaulden ME, et al. **Mutat Res** 1985 Mar;149(1):41-50
Experimental approaches toward determining the neuronal circuits most affected by chronic opiate administration. Elde R. **Natl Inst Drug Abuse Res Monogr Ser** 1984; 54:293-9
Protection against the dopaminergic neurotoxicity of 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine by monoamine oxidase inhibitors. Heikkila RE, et al. **Nature** 1984 Oct 4-10;311(5985):467-9
Cellular lesions in the central nervous system of Periplaneta americana following insecticide treatment in vitro and in vivo. I. Nerve cell bodies and the neuropile. Singh GJ.

et al. **Neurobehav Toxicol Teratol** 1984 May-Jun; 6(3):201-13

Long-term treatment with estradiol induces reversible alterations in tuberoinfundibular dopaminergic neurons: a decreased responsiveness to prolactin. Demarest KT, et al. **Neuroendocrinology** 1984 Sep;39(3):193-200

Effects of bath-applied GABA on the firing pattern of cells in an in vitro preparation of mammalian cerebral cortex. Bagust J, et al. **Neuropharmacology** 1985 Jun;24(6):551-4

Muscarinic activation of rhombencephalic neurones controlling oesophageal peristalsis in the rat. Bieger D. **Neuropharmacology** 1984 Dec;23(12A):1451-64

Neuronal sensitivity to substance P is increased after repeated treatment with tranylcypromine, carbamazepine or oxaprotaline, but decreased after repeated electroconvulsive shock. Jones RS, et al. **Neuropharmacology** 1985 Jul;24(7):627-33

Effects of a depressant/convulsant pair of glutarimides on neuronal activity in the isolated spinal cord of the immature rat. Nicholson GM, et al. **Neuropharmacology** 1985 Jun; 24(6):461-4

Unit activity in the dorsal raphe in freely-moving cats. Effect of monoamine oxidase inhibitors. Trulson ME, et al. **Neuropharmacology** 1985 Jun;24(6):473-8

Ultrastructural features of a human neuroblastoma cell line treated with retinoic acid. Robson JA, et al. **Neuroscience** 1985 Apr;14(4):1149-62

Investigations on the suitability of using nerve membrane fragments incorporated into artificial liposomes and a method for the study of pesticidal action on sodium channel activity. Matsumura F, et al. **Neurotoxicology** 1985 Summer;6(2):271-88

Dopamine autoreceptor mediation of the effects of apomorphine on serotonin neurons. Lee EH, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):301-11

Effects of insulin on thermoregulatory responses and hypothalamic neuronal activity. Wang HS, et al. **Pharmacology** 1985;30(2):86-94

Effect of Chinese herbal medicine 'saiko-keishi-to' on intracellular calcium and protein behavior during pentylenetetrazole-induced bursting activity in snail neurons. Sugaya A, et al. **Planta Med** 1985 Feb;(1):2-6

Effect of Chinese herbal medicine 'saiko-keishi-to' on transmembrane ionic current of snail neurons. Sugaya A, et al. **Planta Med** 1985 Feb;(1):60-1

Inhibition of Ca2+ conductance in identified leech neurons by benzodiazepines. Johansen J, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3935-9

Acute & chronic opiate action in NG108-15 hybrid cells cultured in serum-free medium. Griffin MT, et al. **Proc West Pharmacol Soc** 1984;27:561-4

Effect of somatostatin on neurons of the inferior mesenteric ganglion of the guinea pig in vitro. Hottenstein OD, et al. **Proc West Pharmacol Soc** 1984;27:533-7

Effects of opiate and alpha 2-adrenergic agonists in a neuroblastoma x brain explant hybrid cell line (NCB-20). Louie AK, et al. **Proc West Pharmacol Soc** 1984;27:565-8

Neurotoxicity of opiates during brain development: in vivo and in vitro studies. Vernadakis A, et al. **Prog Clin Biol Res** 1985;163C:245-53

Persistent effects of amphetamine, p-chloroamphetamine, and related compounds on central dopamine and serotonin neurons in rodents. Fuller RW. **Psychopharmacol Bull** 1985; 21(3):528-32

Effects of the two antidepressant drugs mianserin and indalpine on the serotonergic system: single-cell studies in the rat. Blier P, et al. **Psychopharmacology (Berlin)** 1984; 84(2):242-9

Effects of thalidomide and pentobarbital on neuronal activity in the preoptic area during sleep and wakefulness in the cat. Kaitin KI. **Psychopharmacology (Berlin)** 1985; 85(1):47-50

Actions of GABA and ethylenediamine on CA1 pyramidal neurones of the rat hippocampus. Blaxter TJ, et al. **Q J Exp Physiol** 1985 Jan;70(1):75-93

Ethanol neurotoxicity: effects on neurite formation and neurotrophic factor production in vitro. Dow KE, et al. **Science** 1985 May 3;228(4699):591-3

Serotonin selectively inhibits growth cone motility and synaptogenesis of specific identified neurons. Haydon PG, et al. **Science** 1984 Nov 2;226(4674):561-4

Glucocorticoids potentiate ischemic injury to neurons: therapeutic implications. Sapolsky RM, et al. **Science** 1985 Sep 27;229(4720):1397-400

Effects of HI-6 on brain neuronal RNA and acetylcholinesterase: metabolic responses during acute soman intoxication. Doebler JA, et al. **Toxicology** 1984 Dec;33(3-4):311-22

Neurological analysis of respiratory, cardiovascular and neuromuscular effects of brevetoxin in cats. Borison HL, et al. **Toxicon** 1985;23(3):517-24

Morphological changes induced by crotoxin in murine nerve and neuromuscular junction. Gopalakrishnakone P, et al. **Toxicon** 1984;22(5):791-804

[Effects of the injection of morphine into the head of the caudate nucleus on the activities of neurons of the nucleus raphe magnus in rats] Zhu B, et al **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):228-31 (Eng. Abstr.) **(Chi)**

[Effects of injection of morphine into the head of the caudate nucleus on activities of neurons of the nucleus raphe magnus in rats] Zhu B, et al **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):228-31 (Eng. Abstr.) **(Chi)**

[Analysis of the plastic properties of the postsynaptic neuron in the sensory motor cortex in response to repeated microphoretic administration of gamma-aminobutyric acid] Kotliar BI, et al. **Biol Nauki** 1984;(9):52-6 (Eng. Abstr.) **(Rus)**

[Dynamic changes in the response of molluscan neurons to cyclic AMP with repeated injections] Borisova OB, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):291-3 (Eng. Abstr.) **(Rus)**

[Effect of beta-endorphin, enkephalins and their synthetic analogs on the neuronal electrical activity of the respiratory center in the medulla oblongata] Iasnetsov VV, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):687-90 (Eng. Abstr.) **(Rus)**

[Effect of beta-neo-endorphin--an agonist of chi-opiate receptors on the neuronal activity of the cerebral cortex] Iasnetsov VV, et al. **Biull Eksp Biol Med** 1985 Jan; 99(1):69-71 (Eng. Abstr.) **(Rus)**

[Effect of desglycine-arginine vasopressin on the excitability of the command neurons of the defensive reflex in the edible snail] Kudriashova IV, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):5-7 (Eng. Abstr.) **(Rus)**

[Pharmacological characteristics of the acetylcholine and L-glutamate receptors of the subpharyngeal ganglion neuron in the mollusk Zachrysia guanensis] Martinez-Soler R, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):312-5 (Eng. Abstr.) **(Rus)**

[Barium currents through single calcium channels of a nerve cell membrane] Kostiuk PG, et al. **Dokl Akad Nauk SSSR** 1985;280(6):1459-62 **(Rus)**

[Changes in the response to the extracellular application of acetylcholine during the intracellular perfusion of isolated neurons with biogenic amines] Turpaev TM, et al. **Dokl Akad Nauk SSSR** 1985;280(6):1495-8 **(Rus)**

[Effect of difenin on taurine binding by subcellular fractions of nerve cells] Gurevich VS, et al. **Farmakol Toksikol** 1984 Nov-Dec;47(6):74-7 (Eng. Abstr.) **(Rus)**

[Effect of GABA and piracetam on cerebral circulation and the neurogenic mechanisms of its regulation] Ivashev MN, et al. **Farmakol Toksikol** 1984 Nov-Dec;47(6):40-3 (Eng. Abstr.) **(Rus)**

[Characteristics of the oxytocin-reactive neurons of the limbic structures in the rat brain] Rasulov MM, et al. **Farmakol Toksikol** 1984 Nov-Dec;47(6):32-6 (Eng. Abstr.) **(Rus)**

[Role of noradrenaline in the synaptic processes in individual hippocampal neurons under self stimulation] Belyi VP, et al. **Fiziol Zh SSSR** 1984 Oct;70(10):1421-8 (Eng. Abstr.) **(Rus)**

[Effect of serotonin on the electrical activity of the PPa2 neuron in the edible snail] Gasanov GG, et al. **Fiziol Zh SSSR** 1984 Dec;70(12):1678-82 (Eng. Abstr.) **(Rus)**

[Effect of microiontophoretic exposure to H+ and HCO3(-) on the bioelectric activity and redox status of the neurons in bulbar chemosensitive areas] Piatin VF, et al. **Fiziol Zh SSSR** 1984 Oct;70(10):1442-7 (Eng. Abstr.) **(Rus)**

[Isolation of a peptide initiating burst activity in an identified neuron of Helix pomatia] Osipenko ON. **Neirofiziologiia** 1984;16(4):488-92 (Eng. Abstr.) **(Rus)**

[Neurocyte reaction of the anterior and mediobasal hypothalamic nuclei in birds to testosterone propionate] Nikonenko AG, et al. **Tsitol Genet** 1985 Mar-Apr; 19(2):87-9 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Cell recognition in development of neuron circuit] Fujisawa H. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1871-9 **(Jpn)**

[Genesis and differentiation of neurons and neuroglia] Fujita S, et al. **Tanpakushitsu Kakusan Koso** 1984 Dec; 29(14):1855-70 (64 ref.) **(Jpn)**

ENZYMOLOGY

Neuron-specific enolase as a marker for intestinal neurons. An immunocytochemical study of the human intestinal tract. Frykberg T, et al. **Acta Neuropathol (Berl)** 1985; 66(3):184-7

Delayed appearance of tyrosine hydroxylase-like immunoreactivity in PNMT-immunoreactive neurones of the foetal rat brain. Foster GA, et al. **Acta Physiol Scand** 1984 Nov;122(3):429-32

Spinal projections of hypothalamic histidine decarboxylase-immunoreactive neurones. Wahlestedt C, et al. **Agents Actions** 1985 Apr;16(3-4):231-3

Induction of intracellular acyl-CoA:cholesterol acyltransferase activity in glioblastoma cells by lidocaine. Jeng I, et al. **Arch Biochem Biophys** 1985 Mar;237(2):415-22

Thyroid hormone regulation of poly(adenylate) polymerase activities in neuronal nuclei of developing rat brain cortex. Lindholm DB. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):931-7

Monoamine oxidase in single nerve cell bodies from locus coeruleus of the rat. A microgasometric study. Sket D, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1025-8

Histochemical and biochemical studies of cholinesterases in the carotid labyrinth of amphibians. Poullet M, et al. **Biol Cell** 1985;53(3):259-62

Inhibitors of calcium-dependent enzymes prevent the onset of afterdischarge in the peptidergic bag cell neurons of Aplysia. DeRiemer SA, et al. **Brain Res** 1985 Aug 5; 340(1):175-80

A regional increase in the number of hippocampal GABAergic neurons and terminals in the seizure-sensitive gerbil. Peterson GM, et al. **Brain Res** 1985 Aug 12; 340(2):384-9

Localization of acetylcholinesterase-positive neurons projecting to the mouse main olfactory bulb. Carson KA. **Brain Res Bull** 1984 Jun;12(6):635-9

Angiotensin-converting enzyme, enkephalinase A and aminopeptidases in the breakdown of enkephalin--studies in cell cultures. Lentzen H, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):1829-32

Neural microtubular and lysosomal phenyl valerate esterases and proteases in relation to organophosphate-induced delayed neurotoxicity. Seifert J, et al. **Comp Biochem Physiol [C]** 1984;78(2):271-6

Regulation of enzymes responsible for neurotransmitter synthesis and degradation in cultured rat sympathetic neurons. III. Effects of sodium butyrate. Swerts JP, et al. **Dev Biol** 1984 Dec;106(2):282-8

Glutamic acid decarboxylase activity is stimulated in quail retina neuronal cells transformed by Rous sarcoma virus and is regulated by pp60v-src. Crisanti P, et al. **EMBO J** 1985 Jun;4(6):1467-70

External and internal acetylcholinesterase in rat sympathetic neurones in vivo and in vitro. Goudou D, et al. **FEBS Lett** 1985 Jul 1;186(1):54-8

Alternate domains of neuron DNA topoisomerase I in developing rat brain. Ivanov VA, et al. **FEBS Lett** 1984 Nov 19;177(2):300-4

Immunohistochemical demonstration of neuron specific enolase in the nerve endings and skin receptors of marine eels. Zaccone G. **Histochem J** 1984 Nov;16(11):1231-6

Preparation and characterization of monoclonal antibodies to human neuron-specific enolase. Seshi B, et al. **Hybridoma** 1985 Spring;4(1):13-25

Practicable enzyme immunoassay for neuron-specific enolase in human serum. Kimura S, et al. **J Appl Biochem** 1984 Oct-Dec;6(5-6):319-24

The morphology and distribution of neurons containing choline acetyltransferase in the adult rat spinal cord: an immunocytochemical study. Barber RP, et al. **J Comp Neurol** 1984 Nov 1;229(3):329-46

Postnatal development of neurons containing choline acetyltransferase in rat spinal cord: an immunocytochemical study. Phelps PE, et al. **J Comp Neurol** 1984 Nov 1;229(3):347-61

Electron microscopic localization of neuron-specific enolase in rat and mouse brain. Vinores SA, et al. **J Histochem Cytochem** 1984 Dec;32(12):1295-302

Modulation by monoamines of somatostatin-sensitive adenylate cyclase on neuronal and glial cells from the mouse brain in primary cultures. Chneiweiss H, et al. **J Neurochem** 1985 Jun;44(6):1825-31

Glutamate decarboxylase activities in single vertebrate neurons. Murashima YL, et al. **J Neurochem** 1985 Sep; 45(3):732-8

Cholinesterases in single nerve cells isolated from the locus ceruleus and from nucleus of the facial nerve of the rat: a microgasometric study. Sket D, et al. **J Neurochem** 1985 Jul;45(1):319-23

Fidelity of DNA polymerase-beta in neurons from young and very aged mice. Subba Rao K, et al. **J Neurochem** 1985 Oct;45(4):1273-8

Immunostaining of neuron-specific enolase is a valuable aid to the cytological diagnosis of neuroendocrine tumours of the lung. Springall DR, et al. **J Pathol** 1984 Aug; 143(4):259-65

Neurones express high levels of a structurally modified, activated form of pp60c-src. Brugge JS, et al. **Nature** 1985 Aug 8-14;316(6028):554-7

Possible occurrence of ornithine-omega-aminotransferase in GABAergic neurons. Sadasivudu B, et al. **Neurochem Res** 1984 Nov;9(11):1593-8

Adenosine deaminase in convulsions along with its regional, cellular and synaptosomal distribution in rat brain. Subrahmanyam K, et al. **Neurosci Lett** 1984 Aug 10; 48(3):327-31

Immunocytochemical localization of putative cholinergic neurons in the goldfish retina. Tumosa N, et al. **Neurosci Lett** 1984 Aug 10;48(3):255-9

Calmodulin binding to the cytoskeletal neuronal calmodulin-dependent protein kinase is regulated by autophosphorylation. LeVine H 3d, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):287-91

Immunohistochemical evidence for the coexistence of histidine decarboxylase-like and glutamate decarboxylase-like immunoreactivities in nerve cells of the magnocellular nucleus of the posterior hypothalamus of rats. Takeda N, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(23):7647-50

Developmental and regulatory aspects of the sodium- and potassium-ion-stimulated ATPase in avian nerve and muscle. Fambrough DM, et al. **Soc Gen Physiol Ser** 1985; 39:265-82

[Tyrosine hydroxylase in the catecholamine neurons of the autopsy brains with degenerative neurological disorder] Nakashima S, et al. **Rinsho Shinkeigaku** 1984 Jul;

NEWARK PUBLIC LIBRARY

24(7):716–22 (Eng. Abstr.) **(Jpn)**

[Aminopeptidase activity in the neurons of the nodose ganglion of the vagus nerve in acute experimental emotional stress] Goncharuk VD, et al. **Tsitologiia** 1984 Jun;26(6):747–51 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Specific replacements of pyruvate for trophic support of central and peripheral nervous system neurons. Facci L, et al. **J Neurochem** 1985 Sep;45(3):926–34

Correlation between growth form and movement and their dependence on neuronal age. Argiro V, et al. **J Neurosci** 1984 Dec;4(12):3051–62

Perturbation of the direction of neurite growth by pulsed and focal electric fields. Patel NB, et al. **J Neurosci** 1984 Dec;4(12):2939–47

Fast and slow nerve growth factor binding sites in human neuroblastoma and rat pheochromocytoma cell lines: relationship of sites to each other and to neurite formation. Sonnenfeld KH, et al. **J Neurosci** 1985 Jul;5(7):1717–28

IMMUNOLOGY

Cardiodilatin-immunoreactive neurons in the hypothalamus of Tupaia. Forssmann WG, et al. **Anat Embryol (Berl)** 1985; 172(1):1–5

Monoclonal antibody A2B5 reacts with many gangliosides in neuronal tissue. Fredman P, et al. **Arch Biochem Biophys** 1984 Sep;233(2):661–6

Protection from guanethidine-induced neuronal destruction by nerve growth factor: effect of NGF on immune function. Manning PT, et al. **Brain Res** 1985 Aug 5; 340(1):61–9

MRC OX-2 antigen: a lymphoid/neuronal membrane glycoprotein with a structure like a single immunoglobulin light chain. Clark MJ, et al. **EMBO J** 1985 Jan;4(1):113–8

Characterisation of multiple immunoreactive neurons in the central nervous system of the pond snail Lymnaea stagnalis with different fixatives and antisera adsorbed with the homologous and the heterologous antigens. Schot LP, et al. **Histochemistry** 1984;81(4):373–8

Differential antigen adhesivity used to select spleen cells for the production of monoclonal antibodies to embryonic neurons. Barald KF, et al. **J Immunol Methods** 1984 Oct 12;73(1):1–15

Light and electron microscopic localization of a monoclonal antibody in neurons in situ in the head region of Hydra. Yu SM, et al. **J Morphol** 1985 May;184(2):183–93

Sharing of specific antigens by degenerating neurons in Pick's disease and Alzheimer's disease. Rasool CG, et al. **N Engl J Med** 1985 Mar 14;312(11):700–5

Monoclonal antibodies specific for glial and neuronal antigens in the young rat cerebellum. Ghandour MS, et al. **Neurosci Lett** 1984 Sep 28;51(1):119–25

Accelerated regenerative neurite formation by a neuronal surface epitope reactive with the monoclonal antibody, Leu 7. McGarry RC, et al. **Neurosci Lett** 1985 May 14; 56(2):95–100

Monoclonal antibody 18B8 detects gangliosides associated with neuronal differentiation and synapse formation. Grunwald GB, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):4008–12

Weak HLA and beta 2-microglobulin expression of neuronal cell lines can be modulated by interferon. Lampson LA, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6476–80

[Analysis of molecular diversity of neurons through monoclonal antibodies] Fujita SC. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1880–8 **(Jpn)**

METABOLISM

Influence of actinomycin-D on the diurnal rhythm of cytoplasmic RNA in the neurocytes of selected nuclei of mouse hypothalamus. Lach H, et al. **Acta Biol Hung** 1984; 35(1):3–9

Effects of acute intermittent exposure to cigarette smoke on catecholamine levels and turnover in various types of hypothalamic DA and NA nerve terminal systems as well as on the secretion of adenohypophyseal hormones and corticosterone. Andersson K, et al. **Acta Physiol Scand** 1985 Jun;124(2):277–85

Is histamine a neurotransmitter in the gut? Evidence from histidine decarboxylase immunocytochemistry. Ekblad E, et al. **Acta Physiol Scand** 1985 Feb;123(2):225–7

Taurine and hypotaurine transport by a single system in cultured neuroblastoma cells. Holopainen I, et al. **Acta Physiol Scand** 1984 Nov;122(3):381–6

Growth hormone releasing factor (GRF) and dopamine coexist in hypothalamic arcuate neurons. Meister B, et al. **Acta Physiol Scand** 1985 May;124(1):133–6

Neuronal and extraneuronal uptake of L-3H-adrenaline and L-14C-noradrenaline in the fish spleen. Ungell AL, et al. **Acta Physiol Scand** 1984 Dec;122(4):455–60

Further studies on the effects of the GM1 ganglioside on the degenerative and regenerative features of mesostriatal dopamine neurons. Agnati LF, et al. **Acta Physiol Scand [Suppl]** 1984;532:37–44

Computer-assisted morphometry and microdensitometry of transmitter- identified neurons with special reference to the mesostriatal dopamine pathway. Methodological aspects. Agnati LF, et al. **Acta Physiol Scand [Suppl]** 1984; 532:5–36

Studies on aging processes. Agnati LF, et al. **Acta Physiol Scand [Suppl]** 1984;532:45–61

Immunocytochemical studies of somatostatin neurons in brain. Elde R, et al. **Adv Exp Med Biol** 1985;188:167–81

DNA-binding proteins in replicating and mitotically arrested brain neurons. Kuenzle CC. **Adv Exp Med Biol** 1984; 179:489–95

A model of transport and metabolism in neurons. Topakoglu C, et al. **Adv Exp Med Biol** 1984;180:95–107

Increased angiotensin II receptors in neuronal cultures from hypertensive rat brain. Raizada MK, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C364–72

Altered norepinephrine uptake in neuronal cultures from spontaneously hypertensive rat brain. Sumners C, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C488–97

Brain neurotransmitter abnormalities in neuronal intranuclear inclusion body disorder. Kish SJ, et al. **Ann Neurol** 1985 Apr;17(4):405–7

Decreased sympathetic neuronal uptake in idiopathic orthostatic hypotension. Polinsky RJ, et al. **Ann Neurol** 1985 Jul;18(1):48–53

Mobility and localization of proteins in excitable membranes. Poo MM. **Annu Rev Neurosci** 1985;8:369–406 (232 ref.)

Morphological evaluation of the lipofuscinolytic effect of acetylhomocysteine thiolactone. Aloj Totáro E, et al. **Arch Gerontol Geriatr** 1985 Apr;4(1):67–72

Degradation of substance P by neurones and glial cells. Horsthemke B, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):728–33

An inhibitory protein of intestinal fluid secretion reverses neuronal GABA transport. Lange S, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1032–6

[3H]-Nitrendipine binding in developing dissociated fetal mouse spinal cord neurons. Litzinger MJ, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):112–9

TTX displacement of [H3]-nitrendipine binding in developing spinal cord neurons. Litzinger MJ, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):979–87

Differential kinetics of histone H1 degrees accumulation in neuronal and glial cells from rat cerebral cortex during postnatal development. Piña B, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):697–702

Monoamine metabolites: their relationship and lack of relationship to monoaminergic neuronal activity. Commissiong JW. **Biochem Pharmacol** 1985 Apr 15; 34(8):1127–31

Glial and neuronal glutamate transport following glutamine synthetase inhibition. Rothstein JD, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):73–9

Comparison of the prostanoid synthesizing capacity in homogenates from primary neuronal and astroglial cell cultures. Seregi A, et al. **Biochem Pharmacol** 1984 Oct 15; 33(20):3315–8

The CMP-stimulated production of diacylglycerol and CDPdiacylglycerol in neuronal nuclei labelled with radioactive arachidonate. Baker RR, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):221–30

Phosphatidylcholine as a source of diacylglycerols in neuronal nuclei incubated in the presence of EGTA and CMP. Baker RR, et al. **Biochim Biophys Acta** 1984 Oct 24;796(1):55–63

The rate of diffusion of Ca2+ and Ba2+ in a nerve cell body. Nasi E, et al. **Biophys J** 1985 May;47(5):735–8

The use of a prostacyclin analogue, [3H]iloprost, for studying prostacyclin-binding sites on human platelets and neuronal hybrid cells. Hall JM, et al. **Biosci Rep** 1984 Nov; 4(11):941–8

Quinine blocks a calcium-activated potassium conductance in mammalian enteric neurones. Cherubini E, et al. **Br J Pharmacol** 1984 Sep;83(1):3–5

Ultrastructural visualization of Na+-channel associated [125I]alpha-scorpion toxin binding sites on fetal mouse nerve cells in culture. Boudier JA, et al. **Brain Res** 1985 May;352(1):137–42

Autoradiographic quantitation of beta-adrenergic receptors on neural cells in primary cultures. II. Comparison of receptors on various types of immunocytochemically identified cells. Burgess SK, et al. **Brain Res** 1985 May 27;335(1):11–9

Distribution of catecholamine-containing neurons in the normal human hypothalamus. Spencer S, et al. **Brain Res** 1985 Feb 25;328(1):73–80

Characterization of angiotensin II binding sites on neuroblastoma X glioma hybrid cells. Weyhenmeyer JA, et al. **Brain Res Bull** 1985 May;14(5):409–14

Depolarized potassium currents and time delay in nerve membrane. Chiang C. **Bull Math Biol** 1985;47(2):317–20

The enzymatic neuron as a reaction-diffusion network of cyclic nucleotides. Kirby KG, et al. **Bull Math Biol** 1984; 46(5–6):765–83

Molecular probes for the development and plasticity of neural crest derivatives. Anderson DJ, et al. **Cell** 1985 Sep; 42(2):649–62

Aplysia neurons express a gene encoding multiple FMRFamide neuropeptides. Schaefer M, et al. **Cell** 1985 Jun;41(2):457–67

Early appearance of catecholaminergic neurons in the central nervous system of precocial and altricial avian species. A fluorescence-histochemical study. Guglielmone R, et al. **Cell Tissue Res** 1985;240(2):381–4

Corticotropin-releasing factor (CRF)-immunoreactive neurons in the mammillary body of the rat. Kovács M, et al. **Cell Tissue Res** 1985;240(2):455–60

The origin and ultrastructural characteristics of corticotropin-releasing factor (CRF)-immunoreactive nerve fibers in the posterior pituitary of the rat. Lengvári I, et al. **Cell Tissue Res** 1985;240(2):467–71

Distribution of galanin-like immunoreactivity in the gastro-intestinal tract of several mammalian species. Melander T, et al. **Cell Tissue Res** 1985;239(2):253–70

Radiolabeled drugs as probes of central nervous system neurons. Wagner HN Jr. **Clin Chem** 1985 Sep;31(9):1521–4

Seasonal variations in the muscarinic regulation of acetylcholine release from Torpedo electric organ nerve terminals. Pinchasi I, et al. **Comp Biochem Physiol [C]** 1985; 81(2):439–44

Lectin labeling of sprouting neurons. III. Type-specific glycoconjugates on growth cones of different origin. Pfenninger KH, et al. **Dev Biol** 1984 Nov;106(1):97–108

Glucose-induced alterations in nerve metabolism: current perspective on the pathogenesis of diabetic neuropathy and future directions for research and therapy. Greene DA, et al. **Diabetes Care** 1985 May-Jun;8(3):290–9 (71 ref.)

Distribution of substance P-like immunoreactivity in the enteric neurons of the large colon of normal and amitraz-treated ponies: an immunocytochemical study. Cummings JF, et al. **Equine Vet J** 1985 Jan;17(1):23–9

Uptake of MPP(+) by dopamine neurons explains selectivity of parkinsonism-inducing neurotoxin, MPTP. Javitch JA, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):455–6

Barbiturate and picrotoxin-sensitive chloride efflux in rat cerebral cortical synaptoneurosomes. Schwartz RD, et al. **FEBS Lett** 1984 Sep 17;175(1):193–6

Phorbol ester and calcium act synergistically to enhance neurotransmitter release by brain neurons in culture. Zurgil N, et al. **FEBS Lett** 1985 Jun 17;185(2):257–61

Functional and anatomical relationships between antral gastrin cells and gastrin-releasing peptide neurons. Jain DK, et al. **Histochemistry** 1985;82(5):463–7

Effects of the cholinotoxin, AF64A, on neuronal trace-metal distribution in the rat hippocampus and neocortex. Szerdahelyi P, et al. **Histochemistry** 1984;81(5):497–500

Conus geographus toxins that discriminate between neuronal and muscle sodium channels. Cruz LJ, et al. **J Biol Chem** 1985 Aug 5;260(16):9280–8

DARPP-32, a dopamine- and adenosine 3':5'-monophosphate-regulated neuronal phosphoprotein. II. Comparison of the kinetics of phosphorylation of DARPP-32 and phosphatase inhibitor 1. Hemmings HC Jr, et al. **J Biol Chem** 1984 Dec 10;259(23):14491–7

Phosphoproteins associated with the regulation of a specific potassium channel in the identified Aplysia neuron R15. Lemos JR, et al. **J Biol Chem** 1985 Mar 10;260(5):3207–14

Photoaffinity labeling of components of the apamin-sensitive K+ channel in neuronal membranes. Seagar MJ, et al. **J Biol Chem** 1985 Apr 10;260(7):3895–8

Paradoxical role of neuronal uptake for the locally mediated release of endogenous noradrenaline in the ischemic myocardium. Schömig A, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S40–4

Identification of a transmembrane glycoprotein specific for secretory vesicles of neural and endocrine cells. Buckley K, et al. **J Cell Biol** 1985 Apr;100(4):1284–94

Fate of tetanus toxin bound to the surface of primary neurons in culture: evidence for rapid internalization. Critchley DR, et al. **J Cell Biol** 1985 May;100(5):1499–507

Synthesis of the transferrin receptor by cultures of embryonic chicken spinal neurons. Markelonis GJ, et al. **J Cell Biol** 1985 Jan;100(1):8–17

A neuronal surface glycoprotein associated with the cytoskeleton. Ranscht B, et al. **J Cell Biol** 1984 Nov; 99(5):1803–13

Phosphorylation-dependent subcellular translocation of a Ca2+/calmodulin-dependent protein kinase produces an autonomous enzyme in Aplysia neurons. Saitoh T, et al. **J Cell Biol** 1985 Mar;100(3):835–42

Selective packaging of human growth hormone into synaptic vesicles in a rat neuronal (PC12) cell line. Schweitzer ES, et al. **J Cell Biol** 1985 Aug;101(2):667–76

Measurement of regional neuronal removal of norepinephrine in man. Goldstein DS, et al. **J Clin Invest** 1985 Jul; 76(1):15–21

Rapid recovery from K current inactivation on membrane hyperpolarization in molluscan neurons. Ruben P, et al. **J Gen Physiol** 1984 Dec;84(6):861–75

Flunitrazepam binding to intact and homogenized astrocytes and neurons in primary cultures. Bender AS, et al. **J Neurochem** 1984 Nov;43(5):1319–27

Effects of neuronal activity on inositol phospholipid metabolism in the rat autonomic nervous system. Briggs CA, et al. **J Neurochem** 1985 Mar;44(3):731–9

Vasoactive intestinal polypeptide receptors linked to an adenylate cyclase, and their relationship with biogenic amine- and somatostatin-sensitive adenylate cyclases on central neuronal and glial cells in primary cultures. Chneiweiss H, et al. **J Neurochem** 1985 Mar;44(3):779–86

Effects of monovalent ions on the transport of noradrenaline across the plasma membrane of neuronal cells (PC-12 cells). Harder R, et al. **J Neurochem** 1985 Oct;45(4):1154–62

Changes in the expression of a neuronal surface protein during development of cerebellar neurones in vivo and in culture. Meier E, et al. **J Neurochem** 1984 Nov; 43(5):1328–35

Histamine turnover in the brain of different mammalian species: implications for neuronal histamine half-life. Nishibori M, et al. **J Neurochem** 1984 Dec;43(6):1544–9

Methylation of chromosomal proteins in neuronal and glial nuclei purified from cerebral hemispheres of rat during postnatal development. Serra I, et al. **J Neurochem** 1985 Jun;44(6):1779–84

Polar head group decarboxylation and methylation of phospholipids: an alternate route for phosphatidylcholine formation in cultured neuronal cells. Yavin E. **J Neurochem** 1985 May;44(5):1451–8

Evidence for differential localization of noradrenaline and neuropeptide Y in neuronal storage vesicles isolated from rat vas deferens. Fried G, et al. **J Neurosci** 1985 Feb; 5(2):450–8

Monoclonal antibodies reveal novel aspects of the biochemistry and organization of olfactory neurons following unilateral olfactory bulbectomy. Hempstead JL, et al. **J Neurosci** 1985 Sep;5(9):2382–7

alpha-Bungarotoxin receptors on neurons isolated from turtle retina: molecular heterogeneity of bipolar cells. James WM, et al. **J Neurosci** 1985 Feb;5(2):352–61

Characterization of tissue-derived macromolecules affecting transmitter synthesis in rat spinal cord neurons. Kaufman LM, et al. **J Neurosci** 1985 Jan;5(1):160–6

Multiple marker analysis in the avian optic tectum reveals three classes of neuroglia and carbonic anhydrase-containing neurons. Linser PJ. **J Neurosci** 1985 Sep;5(9):2388–96

Characterization of an extended glutamate receptor of the on bipolar neuron in the vertebrate retina. Slaughter MM, et al. **J Neurosci** 1985 Jan;5(1):224–33

Ouabain-evoked norepinephrine release from intact rat sympathetic neurons: evidence for carrier-mediated release. Sweadner KJ. **J Neurosci** 1985 Sep;5(9):2397–406

Neurophysin in the hypothalamo-neurohypophysial system. II. Immunocytochemical studies of the ontogeny of oxytocinergic and vasopressinergic neurons. Whitnall MH, et al. **J Neurosci** 1985 Jan;5(1):98–109

Rapid recovery of pineal function after partial denervation: a possible role for heteroneuronal uptake of transmitter in modulating synaptic efficacy. Zigmond RE, et al. **J Neurosci** 1985 Jan;5(1):142–50

Metabolism and function of gangliosides in developing neurons. Dreyfus H, et al. **J Neurosci Res** 1984; 12(2–3):311–22

Assessment of membrane permeability in primary cultures of neurons and glia in response to osmotic perturbation. Fischel SV, et al. **J Neurosci Res** 1985;13(3):369–80

Neuronal survival during electrical blockade is increased by 8-bromo cyclic adenosine 3',5' monophosphate. Brenneman DE, et al. **J Pharmacol Exp Ther** 1985 May;233(2):402–8

Vasoactive intestinal peptide which coexists with acetylcholine decreases acetylcholine turnover in mouse salivary glands. Eva C, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):670–4

Effect of age on adrenergic neuronal uptake in rat heart. Kreider MS, et al. **J Pharmacol Exp Ther** 1984 Nov; 231(2):367–72

Intracellular free magnesium in neurones of Helix aspersa measured with ion-selective micro-electrodes. Alvarez-Leefmans FJ, et al. **J Physiol (Lond)** 1984 Sep; 354:303–17

Intracellular pH changes induced by injection of cyclic nucleotides into gastropod neurones. Connor JA, et al. **J Physiol (Lond)** 1984 Sep;354:163–72

Intracellular calcium measured with calcium-sensitive micro-electrodes and Arsenazo III in voltage-clamped Aplysia neurones. Gorman AL, et al. **J Physiol (Lond)** 1984 Aug;353:127–42

News about the neuronal membrane protein which binds the presynaptic neurotoxin beta-bungarotoxin. Rehm H. **J Physiol (Paris)** 1984;79(4):265–8

Localized effects of naloxone on local cerebral glucose utilization in rat cerebral nuclei with Met-enkephalinergic neurons. Hayashi T, et al. **Jpn J Pharmacol** 1984 Nov; 36(3):339–48

Plasma dihydroxyphenylglycol (DHPG) in the in vivo assessment of human neuronal norepinephrine metabolism. Izzo JL Jr, et al. **Life Sci** 1985 Sep 16;37(11):1033–8

The effects of dihydropyridines on neurotransmitter release from cultured neuronal cells. Shalaby IA, et al. **Life Sci** 1984 Sep 17;35(12):1289–95

Neurochemical studies on central dopamine neurons--regional characterization of dopamine turnover. Hallman H, et al. **Med Biol** 1984;62(3):198–209

Laminin and fibronectin in normal and malignant neuroectodermal cells. Liesi P. **Med Biol** 1984;62(3):163–80 (136 ref.)

Is the terminal degradation of neurofilaments regulated by mitochondrial production of oxygen radicals? Elomaa E, et al. **Med Hypotheses** 1985 Mar;16(3):261–3

Multiple states of opioid receptors may modulate adenylate cyclase in intact neuroblastoma X glioma hybrid cells. Costa T, et al. **Mol Pharmacol** 1985 Aug;28(2):146–54

Agonist-induced regulation of the neuronal nicotinic acetylcholine receptor of PC12 cells. Robinson D, et al. **Mol Pharmacol** 1985 Apr;27(4):409–17

D2-dopamine receptor-mediated inhibition of cyclic AMP formation in striatal neurons in primary culture. Weiss S, et al. **Mol Pharmacol** 1985 Jun;27(6):595–9

Pertussis toxin reverses adenosine inhibition of neuronal glutamate release. Dolphin AC, et al. **Nature** 1985 Jul 11–17;316(6024):148–50

Identification of serotonin M-receptor subtypes and their specific blockade by a new class of drugs. Richardson BP, et al. **Nature** 1985 Jul 11–17;316(6024):126–31

Cyclic AMP-dependent protein kinase closes the serotonin-sensitive K+ channels of Aplysia sensory neurones in cell-free membrane patches. Shuster MJ, et al. **Nature** 1985 Jan 31–Feb 6;313(6001):392–5

Effects of corticoadrenal extract on the neuronal and extraneuronal uptake of noradrenaline in the isolated rabbit heart. Pham Huu Chanh, et al. **Naturwissenschaften** 1985 Feb;72(2):94–5

The transport of (+)-amphetamine by the neuronal noradrenaline carrier. Bönisch H. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):267–72

Influence of neuronal uptake on the presynaptic alpha-adrenergic modulation of noradrenaline release. Enero MA. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):38–40

Different substance P receptors are found on mucosal epithelial cells and submucous neurons of the guinea-pig small intestine. Keast JR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):382–7

Effects of morphine on dopamine metabolism in rat striatum and limbic structures in relation to the activity of dopaminergic neurones. Moleman P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(3):208–13

Saturation of monoamine oxidase by intraneuronal noradrenaline accumulation. Stefano FJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):135–41

Stimulation of amino acid accumulation in neuroblastoma and astrocytoma cells by L-histidine. Hannuniemi R, et al. **Neurochem Res** 1985 Apr;10(4):483–9

RNA synthesis in neuronal and glial cell nuclei from rat cerebral hemispheres during early postnatal development. Serra I, et al. **Neurochem Res** 1984 Aug;9(8):1051–63

Neurite-promoting factors from a sympathetically innervated target tissue. Wilson PA, et al. **Neurochem Res** 1985 Jun; 10(6):841–56

Partial lesions of the nigrostriatal pathway in the rat. Acceleration of transmitter synthesis and release of surviving dopaminergic neurones by drugs. Hefti F, et al. **Neuropharmacology** 1985 Jan;24(1):19–23

Activation of dopamine synthesis in mesolimbic dopamine neurons by immobilization stress in the rat. Watanabe H. **Neuropharmacology** 1984 Nov;23(11):1335–8

Fast axonal transport of membrane protein and intra-axonal diffusion of free leucine in a neuron of Aplysia. Koike H, et al. **Neurosci Res** 1985 Apr;2(4):281–5

Metabolic control of ionic channels in the neuronal membrane. Kostyuk PG. **Neuroscience** 1984 Dec; 13(4):983–9 (49 ref.)

The CRF neuron: immunocytochemical study. Fellmann D, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:19–33 (52 ref.)

Relationship of alpha MSH-specific neurons to the arcuate opiocortin neuronal system as determined by dual antigen immunocytochemical procedures. Piekut DT, et al. **Peptides (Fayetteville)** 1984 Nov–Dec;5(6):1089–95

In vitro and in vivo studies on development and regeneration of vasopressin neurons. Scharoun SL, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:157–67

Synaptic input to vasopressin neurons of the paraventricular nucleus (PVN). Silverman AJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:139–50

Calcium-dependent inward currents in voltage-clamped guinea-pig olfactory cortex neurones. Constanti A, et al. **Pflugers Arch** 1985 Jul;404(3):259–65

Two components of Ca-dependent potassium current in identified neurons of Aplysia californica. Deitmer JW, et al. **Pflugers Arch** 1985 Apr;403(4):353–9

Fast decrease of the peak current carried by barium ions through calcium channels in the somatic membrane of mollusc neurons. Kostyuk PG, et al. **Pflugers Arch** 1985 May;404(1):88–90

Regional distribution of calcium influx into bursting neurons detected with arsenazo III. Graubard K, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5565–9

From monoclonal antibody to gene for a neuron-specific glycoprotein in Drosophila. Zipursky SL, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1855–9

Immunohistochemical evidence for dopaminergic neurons in the rat superior cervical ganglion. Price J. **Proc R Soc Lond [Biol]** 1984 Sep 22;222(1228):357–62

Problems in the organization and control of acetylcholine synthesis in brain neurons. Tuček S. **Prog Biophys Mol Biol** 1984;44(1):1–46 (293 ref.)

Parvalbumin, a relaxing factor in muscle and a neuronal marker in brain. Heizmann CW. **Prog Clin Biol Res** 1984; 168:205–10

The pharmacology of molluscan neurons. Rózsa KS. **Prog Neurobiol** 1984;23(1–2):79–150 (714 ref.)

Effects of diazepam on behavior and dopamine-containing substantia nigra units in freely moving cats. Trulson ME. **Psychopharmacology (Berlin)** 1984;84(1):91–5

VIP and PHI coexist with an NPY-like peptide in intramural neurones of the small intestine. Ekblad E, et al. **Regul Pept** 1984 Dec;10(1):47–55

Benzodiazepine receptor synthesis and degradation by neurons in culture. Borden LA, et al. **Science** 1984 Nov 16;226(4676):857–60

The stability of DNA in human cerebellar neurons. Slatkin DN, et al. **Science** 1985 May 24;228(4702):1002–4

Intracellular stimulation of an identified neuron evokes cardioacceleratory peptide release. Tublitz NJ, et al. **Science** 1985 May 24;228(4702):1013–5

[Possible functional significance of the simultaneous release of several putative neurotransmitters by the same neuron] Cesselin F, et al. **Ann Endocrinol (Paris)** 1984;45(3):207–13 (59 ref.) (Eng. Abstr.) **(Fre)**

[Immunohistochemical arguments in favor of co-localization of neuropeptides in hypothalamo-infundibular neuron systems] Tramu G, et al. **Ann Endocrinol (Paris)** 1984; 45(3):175–87 (50 ref.) (Eng. Abstr.) **(Fre)**

[Demonstration of a different localization of perikarya immunoreactive to oxytocin and vasopressin in the cat hypothalamus] Luppi PH, et al. **C R Acad Sci [III]** 1984; 299(17):703–8 (Eng. Abstr.) **(Fre)**

[DNA and DNA synthesis in the nervous system] Inoue N. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1117–29 (142 ref.) **(Jpn)**

[Relation between sodium pump activity and the osmotic pressure of the medium] Suleimanian MA, et al. **Biofizika** 1984 Sep–Oct;29(5):822–6 (Eng. Abstr.) **(Rus)**

[Topography of the active site of the noradrenaline neuronal membrane carrier based on the theoretical conformation analysis of inhibitors of neuronal catecholamine uptake] Zhorov BS. **Bioorg Khim** 1983 Feb;9(2):200–15 (Eng. Abstr.) **(Rus)**

[Neuronal uptake of 3H-noradrenaline by isolated organs of rats under hyperthermia] Mezidova KhA, et al. **Dokl Akad Nauk SSSR** 1984;277(6):1502–4 **(Rus)**

MICROBIOLOGY

Herpes simplex virus latency in a hyperresistant clone of mouse neuroblastoma (C1300) cells. Nilheden E, et al. **Arch Virol** 1985;83(3–4):319–25

Amplification of herpes simplex virus resistance in mouse neuroblastoma (C1300) cells. Nilheden E, et al. **Arch Virol** 1985;83(3–4):269–83

Herpes simplex virus type 1 and neuronal cells--a special cell-virus interaction. Veerisetty V, et al. **Intervirology** 1985;23(4):181–9

Effect of measles virus antibodies on a measles SSPE virus persistently infected C6 rat glioma cell line. Barrett PN, et al. **J Gen Virol** 1985 Jul;66 (Pt 7):1411–21

Persistent infection of rabies virus (HEP-Flury strain) in human neuroblastoma cells capable of producing interferon. Honda Y, et al. **J Gen Virol** 1985 May;66 (Pt 5):957–67

In vitro replication of scrapie agent in a neuronal model: infection of PC12 cells. Rubenstein R, et al. **J Gen Virol** 1984 Dec;65 (Pt 12):2191–8

Growth of defective subacute sclerosing panencephalitis viruses in human neural cells and their neurovirulence in mice. Sakaguchi M, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):373–7

Differences in cell-to-cell spread of pathogenic and apathogenic rabies virus in vivo and in vitro. Dietzschold B, et al. **J Virol** 1985 Oct;56(1):12–8

Differential susceptibility of cultured neural cells to the human coronavirus OC43. Pearson J, et al. **J Virol** 1985 Mar;53(3):1016–9

Alphavirus neurovirulence: monoclonal antibodies discriminating wild-type from neuroadapted Sindbis virus. Stanley J, et al. **J Virol** 1985 Oct;56(1):110–9

Herpes simplex virus latency in isolated human neurons. Wigdahl B, et al. **Proc Natl Acad Sci USA** 1984 Oct; 81(19):6217–21

[Experimental models for the study of viral infections of the nervous system] Rentier B. **Bull Mem Acad R Med Belg** 1984;139(3):218–26 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Cytopathogenicity of Naegleria fowleri for cultured rat neuroblastoma cells. Fulford DE, et al. **J Protozool** 1985 Feb;32(1):176–80

PATHOLOGY

Neuronal loss in the basal nucleus of Meynert in a patient with olivopontocerebellar atrophy. Tagliavini F, et al. **Acta Neuropathol (Berl)** 1985;66(2):127–33

Cystosarcoma phyllodes. Report of an unusual case, with death due to intraneural extension to the central nervous system. Grimes MM, et al. **Cancer** 1985 Oct 1;56(7):1691–5

Neuronal differentiation in F9 embryonal carcinoma cells. Wartiovaara J, et al. **Cell Differ** 1984 Dec;15(2–4):125–8

On the clinico-pathological significance of multinucleated giant neurons in the hypothalamic arcuate nucleus. Ule G, et al. **Clin Neuropathol** 1984 Jul–Aug;3(4):173–7

Chronic idiopathic intestinal pseudoobstruction. Coexistence of smooth muscle and neuronal abnormalities. Smout AJ, et al. **Dig Dis Sci** 1985 Mar;30(3):282–7

Outbred Sprague-Dawley rats from two breeders exhibit different incidences of neuroanatomical abnormalities affecting the primary cerebellar fissure. Ezerman EB, et al. **Exp Brain Res** 1985;59(3):625–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 38-1985. A 66-year-old

NEWARK PUBLIC LIBRA

man with progressive neurologic deterioration. **N Engl J Med** 1985 Sep 19;313(12):739-48

Parkinson's disease: loss of neurons from the ventral tegmental area contralateral to therapeutic surgical lesions. Uhl GR, et al. **Neurology** 1985 Aug;35(8):1215-8

Neuronal, Schwannian and melanocytic differentiation of human neuroblastoma cells in vitro. Tsokos M, et al. **Prog Clin Biol Res** 1985;175:55-68

[Acridine orange: a fluorochrome of nucleic acids for the study of muscle and nerve cells] Sarnat HB. **Rev Neurol (Paris)** 1985;141(2):120-7 (Eng. Abstr.) **(Fre)**

[Topography of the subnuclei of the paraventricular hypothalamic nucleus in rats and the sensitivity of their neurons to insulin deficiency] Goufman EI. **Biull Eksp Biol Med** 1985 Feb;99(2):194-6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neuronal migration independent of glial guidance: light and electron microscopic studies in the cerebellar cortex of neonatal rats. Zagon IS, et al. **Acta Anat (Basel)** 1985; 122(2):77-86

The influence of dehydration on the changes in activity of neurocytes of the subfornical organ in the brain of Rana temporaria L. in annual cycle. Šrebro Z, et al. **Acta Biol Hung** 1984;35(1):77-81

Central hyperglycaemic effect of adrenaline and carbachol. Iguchi A, et al. **Acta Endocrinol (Copenh)** 1985 Aug; 109(4):440-5

Functional evidence for sprouting or decentralized parasympathetic neurons in rat urinary bladder. Ekström J, et al. **Acta Physiol Scand** 1984 Sep;122(1):7-15

Electrical activity of neurons cultured in vivo. Bergström RM. **Acta Physiol Scand [Suppl]** 1984;537:87-92

Neuron-glia interactions and glial enzyme expression in mouse cerebellum. Fisher M. **Adv Exp Med Biol** 1984; 181:203-13

The influence of neuronal-glial interactions on glia-specific gene expression in embryonic retina. Linser PJ, et al. **Adv Exp Med Biol** 1984;181:185-202

Neuronal survival and revival during and after cerebral ischemia. Hossmann KA. **Am J Emerg Med** 1983 Sep; 1(2):191-7

Electrophysiological and morphological characterization of neurons in stellate ganglion of cats. Bosnjak ZJ, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):R288-92

Chemoreceptor and baroreceptor inputs to ventrolateral medullary neurons. Caverson MM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R872-9

Function of vasopressinergic neurons in rats under conscious and anesthetized conditions. Cheng SW, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):E155-61

Afferent renal nerve stimulation excites supraoptic vasopressin neurons. Day TA, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):R368-71

Subfornical organ and supraoptic nucleus connections with septal neurons in rats. Ferguson AV, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):R214-8

Rat brainstem neurons responsive to changes in portal blood sodium concentration. Kahrilas PJ, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R792-9

The ionic and metabolic responses associated with neuronal depression of Leão's type in cerebral cortex and in hippocampal formation. Somjen GG, et al. **An Acad Bras Cienc** 1984 Dec;56(4):495-504 (24 ref.)

Acute and chronic implantation of coiled wire intraneural electrodes during cyclical electrical stimulation. Bowman BR, et al. **Ann Biomed Eng** 1985;13(1):75-93

Neuronal cholecystokinin. **Ann NY Acad Sci** 1985;448:1-697

Cholecystokinin as a potent excitant of neurons of the dentate gyrus of rats. Brooks PA, et al. **Ann NY Acad Sci** 1985; 448:361-74

Modulation of neuronal function through benzodiazepine receptors: biochemical and electrophysiological studies of neurons in primary monolayer cell culture. Farb DH, et al. **Ann NY Acad Sci** 1984;435:1-31

Real-time optical mapping of neuronal activity: from single growth cones to the intact mammalian brain. Grinvald A. **Annu Rev Neurosci** 1985;8:263-305 (96 ref.)

Neural pacemakers and rhythmicity. Connor JA. **Annu Rev Physiol** 1985;47:17-28 (111 ref.)

Oscillatory neural networks. Selverston AI, et al. **Annu Rev Physiol** 1985;47:29-48 (93 ref.)

Circadian neural rhythms in mammals. Turek FW. **Annu Rev Physiol** 1985;47:49-64 (79 ref.)

Verification of the membrane hypothesis of aging on the identified giant neurons of the snail Lymnaea stagnalis L. (Gastropoda, Pulmonata) by a combined application of intracellular electrophysiology and X-ray microanalysis. Nagy I, et al. **Arch Gerontol Geriatr** 1985 Apr;4(1):53-66

Secondary changes in segmental neurons below a spinal cord lesion in man. Hunter J, et al. **Arch Phys Med Rehabil** 1984 Nov;65(11):702-5

The involvement of the sympathetic nervous system in pain. Possible neuronal mechanisms. Jänig W, et al. **Arzneimittelforsch** 1984;34(9A):1066-73

Benz(f)isoquinolines as excitatory amino acid antagonists: an indication of their mechanism of action? Berry SC, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3829-32

Stabilization of Hebbian neural nets by inhibitory learning. Easton P, et al. **Biol Cybern** 1984;51(1):1-9

A neural network model for the mechanism of feature-extraction. A self-organizing network with feedback inhibition. Miyake S, et al. **Biol Cybern** 1984; 50(5):377-84

A model for generalization and specification by single neurons. Munro PW. **Biol Cybern** 1984;51(3):169-79

Parallel processing for associative and neuronal networks. Palm G, et al. **Biol Cybern** 1984;51(3):201-4

Criteria for excitation and inhibition in peristimulus spike train activity. Schild D. **Biol Cybern** 1984;50(5):357-61

Effect of doublet impulse sequences on the transient and steady responses in the computer-simulated nerve cell. Sugano N. **Biol Cybern** 1984;51(2):123-8

Pacemaker neuron model with plastic firing rate: entrainment and learning ranges. Torras i Genís C. **Biol Cybern** 1985; 52(2):79-91

A synaptic modification algorithm in consideration of the generation of rhythmic oscillation in a ring neural network. Tsutsumi K, et al. **Biol Cybern** 1984;50(6):419-30

Ring neural network qua a generator of rhythmic oscillation with period control mechanism. Tsutsumi K, et al. **Biol Cybern** 1984;51(3):181-94

The somatic shunt cable model for neurons. Durand D. **Biophys J** 1984 Nov;46(5):645-53

Mode of synaptic transmission between vestibular afferents and neurons of the vestibular nucleus in the frog. Babalian AL, et al. **Brain Res** 1984 Aug 20;309(1):163-7

Sprouting and retraction of neurites by undamaged adult molluscan neurons. Bulloch AG. **Brain Res** 1984 Nov 12; 321(2):369-73

Retrograde double labeling of neurons: the combined use of horseradish peroxidase and diamidino yellow dihydrochloride (DY X 2HCl) compared with true blue and DY X 2HCl in rat descending brainstem pathways. Cavada C, et al. **Brain Res** 1984 Aug 6;308(1):123-36

Discharge properties of area 5 neurones during arm movements triggered by sensory stimuli in the monkey. Chapman CE, et al. **Brain Res** 1984 Aug 20;309(1):63-77

Responses of midbrain raphe neurons to ethanol. Chu NS. **Brain Res** 1984 Oct 8;311(2):348-52

Mg2+ dependence of membrane resistance increases evoked by NMDA in hippocampal neurones. Crunelli V, et al. **Brain Res** 1984 Oct 8;311(2):392-6

Focal cortical seizures prevent HRP and HRP-WGA labeling only in neurons bidirectionally connected to the cortex. Divac I, et al. **Brain Res** 1984 Oct 8;311(1):189-93

Activation of identified septo-hippocampal neurons by noxious peripheral stimulation. Dutar P, et al. **Brain Res** 1985 Feb 25;328(1):15-21

Changes in the thermal characteristics of hypothalamic neurons during sleep and wakefulness. Glotzbach SF, et al. **Brain Res** 1984 Aug 20;309(1):17-26

Red nucleus modulation of somatosensory responses of cat spinal cord dorsal horn neurons. Gray BG, et al. **Brain Res** 1984 Oct 8;311(1):171-5

Sexual dimorphism in the numbers of neurons in the pelvic ganglia of adult rats. Greenwood D, et al. **Brain Res** 1985 Aug 5;340(1):160-2

Intracellular potentials of salamander mitral/tufted neurons in response to odor stimulation. Hamilton KA, et al. **Brain Res** 1985 Jul 8;338(1):181-5

Postsynaptic potentials in neurons of the pigeon's optic tectum in response to afferent stimulation from the retina and other visual structures: an intracellular study. Hardy O, et al. **Brain Res** 1984 Oct 8;311(1):65-74

Synaptic regulation of hypothalamic neurons containing ACTH by substance P. Hisano S, et al. **Brain Res** 1984 Aug 6;308(1):162-5

Functional and morphological features of neurons in the midline region of the caudal spinal cord of the cat. Honda CN, et al. **Brain Res** 1985 Aug 12;340(2):285-95

Arginine-vasopressin enhances the responses of lateral septal neurons in the rat to excitatory amino acids and fimbria-fornix stimuli. Joëls M, et al. **Brain Res** 1984 Oct 8;311(2):201-9

Monoaminergic modulation of the sensitivity of neurones in the cingulate cortex to iontophoretically applied substance P. Jones RS, et al. **Brain Res** 1984 Oct 8;311(2):297-305

Anterior pituitary prolactin release in vitro after interruption of anterolateral neural connections of the mediobasal hypothalamus in male rats. Kaler LW, et al. **Brain Res** 1984 Oct 8;311(2):370-4

Effect of nomifensine on the toxicity of 6-hydroxydopamine for mesotelencephalic dopamine neurons. Lees GJ, et al. **Brain Res** 1984 Aug 6;308(1):155-8

Hypertension induced changes in cerebral capillary permeability to water are mediated by afferent neuronal connections from the carotid sinus to the brain. Ling RT, et al. **Brain Res** 1984 Aug 13;308(2):301-8

Neurite-promoting factors and extracellular matrix components accumulating in vivo within nerve regeneration chambers. Longo FM, et al. **Brain Res** 1984 Aug 20;309(1):105-17

Microiontophoretic bicuculline restores binocular responses to visual cortical neurons in strabismic cats. Mower GD, et al. **Brain Res** 1984 Aug 20;309(1):168-72

Contrasting effects of neurohypophysial peptides on pyramidal and non-pyramidal neurones in the rat hippocampus. Mühlethaler M, et al. **Brain Res** 1984 Aug 6;308(1):97-107

SCH 23390, a selective D1 dopamine receptor blocker, enhances the firing rate of nigral dopaminergic neurons but fails to activate striatal tyrosine hydroxylase. Onali P, et al. **Brain Res** 1985 Aug 5;340(1):1-7

Single neuron activity in dorsolateral prefrontal cortex of monkey during operant behavior sustained by food reward. Ono T, et al. **Brain Res** 1984 Oct 8;311(2):323-32

Insulin inhibits pyramidal neurons in hippocampal slices. Palovcik RA, et al. **Brain Res** 1984 Aug 20;309(1):187-91

Neurotensin depolarizes substantia nigra dopamine neurones. Pinnock RD. **Brain Res** 1985 Jul 8;338(1):151-4

Effects of a distant noxious stimulation on A and C fibre-evoked flexion reflexes and neuronal activity in the dorsal horn of the rat. Schouenborg J, et al. **Brain Res** 1985 Feb 25;328(1):23-32

Activity of hypothalamic thermosensitive neurons during cortical spreading depression in the rat. Shibata M, et al. **Brain Res** 1984 Aug 13;308(2):255-62

Effects of tetraethylammonium-chloride and divalent cations on the afterhyperpolarization following repetitive firing in leech neurons. Yang J, et al. **Brain Res** 1984 Oct 8; 311(2):380-4

Induced homotypic collateral sprouting of serotonergic fibers in the hippocampus of rat. Zhou FC, et al. **Brain Res** 1984 Aug 6;308(1):53-62

Serotonergic modulation of the feeding behavior of the medicinal leech. Lent CM. **Brain Res Bull** 1985 Jun; 14(6):643-55

Electrophysiology of the subfornical organ and its hypothalamic connections--an in-vivo study in the rat. Renaud LP, et al. **Brain Res Bull** 1985 Jul;15(1):83-6

5-HT immunoreactive hypothalamic neurons in rat and cat after 5-HTP administration. Sakumoto T, et al. **Brain Res Bull** 1984 Jun;12(6):721-33

Effects of mazindol on rat lateral hypothalamic neurons. Sikdar SK, et al. **Brain Res Bull** 1985 Jul;15(1):33-8

Coupling of a slow and a fast oscillator can generate bursting. Honerkamp J, et al. **Bull Math Biol** 1985;47(1):1-21

Physiological properties of sympathetic preganglionic neurones in the thoracic intermediolateral nucleus of the cat. Backman SB, et al. **Can J Physiol Pharmacol** 1984 Sep; 62(9):1183-93

The patterns of expression of two ankyrin isoforms demonstrate distinct steps in the assembly of the membrane skeleton in neuronal morphogenesis. Nelson WJ, et al. **Cell** 1984 Dec;39(2 Pt 1):309-20

Neuronal cell behaviour: modulation by protease inhibitors derived from non-neuronal cells. Monard D. **Cell Biol Int Rep** 1985 Apr;9(4):297-305

Immunohistochemical study on the development of CRF-containing neurons in the hypothalamus of the rat. Daikoku S, et al. **Cell Tissue Res** 1984;238(3):539-44

Quinacrine-induced dilation of the rat cecum and degeneration of large granular vesicle-containing neurons in the myenteric plexus. Iijima T, et al. **Cell Tissue Res** 1985;241(2):383-9

Mapping of neurons in the central nervous system of the guinea pig by use of antisera specific to the molluscan neuropeptide FMRFamide. Triepel J, et al. **Cell Tissue Res** 1984;237(3):575-86

Electrophysiological study of cardiovascular neurons in the rostral ventrolateral medulla in rats. Brown DL, et al. **Circ Res** 1985 Mar;56(3):359-69

Scope and mechanisms of control of stimulus-secretion coupling in single varicosities of sympathetic nerves. Stjärne L. **Clin Sci** 1985;68 Suppl 10:77s-81s

Activation of cerebral neurons by static nerve inputs in Aplysia californica. Salánki J, et al. **Comp Biochem Physiol [A]** 1985;80(4):539-45

Actions of the molluscan neuropeptide FMRF-amide on neurones in the suboesophageal ganglia of the snail Helix aspersa. Boyd PJ, et al. **Comp Biochem Physiol [C]** 1985; 81(2):379-86

Locust nymphal neurones in culture: a new technique for studying the physiology and pharmacology of insect central neurones. Giles DP, et al. **Comp Biochem Physiol [C]** 1985; 80(1):53-9

Ultrastructural localization of [3H]dopamine in neurons of leech (Haemopis sanguisuga) abdominal ganglia. Kai-Kai MA. **Comp Biochem Physiol [C]** 1984;78(2):363-7

Automated data acquisition and analysis of neural evoked potentials. Quint SR, et al. **Comput Methods Programs Biomed** 1985 May;20(1):35-44

Cycle-triggered averaging of respiration-related neuronal activity. Schmid K, et al. **Comput Programs Biomed** 1985; 19(2-3):133-42

Biochemistry and regulation of signal transduction by neuronal acetylcholine receptors. Klein WL. **Curr Top Cell Regul** 1984;24:129-44 (114 ref.)

Growth regulation of the interstitial cell population in hydra. I. Evidence for global control by nerve cells in the head. Heimfeld S, et al. **Dev Biol** 1985 Aug;110(2):297-307

Do neurons in the vertebrate CNS migrate on laminin? Liesi P. **EMBO J** 1985 May;4(5):1163-70

Progenitor cells from embryonic chick dorsal root ganglia differentiate in vitro to neurons: biochemical and electrophysiological evidence. Rohrer H, et al. **EMBO J** 1985 Jul;4(7):1709-14

Evidence that central epinephrine neurons participate in the control and regulation of neuroendocrine events during the estrous cycle. Sheaves R, et al. **Endocrinology** 1985 Feb; 116(2):542-6

Inhibitory effects of alpha, beta-methylene ATP on nerve-mediated contractions of the nictitating membrane in reserpinised cats. Duval N, et al. **Eur J Pharmacol** 1985

Apr 16;110(3):373-7

Histamine-induced depression of serotoninergic dorsal raphe neurons: antagonism by cimetidine, a reevaluation. Lakoski JM, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):153-6

A reduction of the tone of 5-hydroxytryptamine neurons decreases utilization rates of striatal and hypothalamic enkephalins. Mocchetti I, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):427-30

Lack of interaction between methionine enkephalin and D-phenylalanine on nociceptive and non-nociceptive responses of dorsal horn neurones of the cat. Zhao ZQ, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):205-10

Rapid goal-directed elbow flexion movements: limitations of the speed control system due to neural constraints. Benecke R, et al. **Exp Brain Res** 1985;59(3):470-7

Action of norepinephrine in the dentate gyrus. I. Stimulation of locus coeruleus. Dahl D, et al. **Exp Brain Res** 1985; 59(3):491-6

Projection of a cutaneous nerve to the spinal cord of the pigeon. II. Responses of dorsal horn neurons. Necker R. **Exp Brain Res** 1985;59(2):344-52

Responses of single neurones in cat auditory cortex to time-varying stimuli: frequency-modulated tones of narrow excursion. Phillips DP, et al. **Exp Brain Res** 1985; 58(3):443-54

Effects of nitrous oxide on the functional characteristics of cells in the extrastriate cortex of the cat. Reinis S, et al. **Exp Brain Res** 1985;59(3):463-9

Action of norepinephrine in the dentate gyrus. II. Iontophoretic studies. Winson J, et al. **Exp Brain Res** 1985; 59(3):497-506

Specificity of neuronal factors which aggregate acetylcholine receptors on cultured myotubes. Bauer HC, et al. **Exp Cell Res** 1985 Mar;157(1):288-92

Superposition of antidromic responses in pyramidal tract cell clusters. Canedo A, et al. **Exp Neurol** 1985 Sep;89(3):645-58

Activity of serotonin-containing neurons in nucleus raphe magnus in freely moving cats. Fornal C, et al. **Exp Neurol** 1985 Jun;88(3):590-608

Short-latency interactions among dorsomedial medullary inspiratory neurons in the cat. Graham K, et al. **Exp Neurol** 1985 Jun;88(3):726-41

Spinal neurons with branched axons traveling in both the dorsal and dorsolateral funiculi. Lu GW, et al. **Exp Neurol** 1985 Mar;87(3):571-7

Modification of local neuronal interactions by amygdala kindling examined in vitro. McIntyre DC, et al. **Exp Neurol** 1985 Jun;88(3):529-37

Effect of electrical convulsions on uridine labeling and activity pattern in nerve cells in mice. Pakkenberg H, et al. **Exp Neurol** 1985 Jul;89(1):115-22

Ensemble reactions of neurons in the reticular formation of the cat--categorization of inputs and temporal influences. Pavlásek J, et al. **Exp Neurol** 1984 Dec;86(3):415-33

Triethanolamine, tris, hepes, and cytosine arabinoside show neuritogenic activity in cultured chick embryo ganglia. Sisken BF, et al. **Exp Neurol** 1985 Apr;88(1):27-43

Burst characteristics of hippocampal complex spike cells in the awake rat. Suzuki SS, et al. **Exp Neurol** 1985 Jul; 89(1):90-5

Single-cell activity and synchronous bursting in the rat hippocampus during waking behavior and sleep. Suzuki SS, et al. **Exp Neurol** 1985 Jul;89(1):71-89

Neuronal control of brain microvessel function. Kobayashi H, et al. **Experientia** 1985 Apr 15;41(4):427-34 (121 ref.)

Both thermal and nociceptive afferents influence the unit activity of the neurons in the corpus striatum. Lin MT, et al. **Experientia** 1985 Jan 15;41(1):120-2

Neural interaction in control of adrenocorticotropin. Gann DS, et al. **Fed Proc** 1985 Jan;44(1 Pt 2):161-7

Modification of acetylcholine sensitivity of neuronal membrane by presynaptic stimulation. Arvanov VL, et al. **Gen Physiol Biophys** 1984 Dec;3(6):483-8

Temperature-dependent properties of delayed outward current channels in somatic membrane of snail neurones. Magura IS, et al. **Gen Physiol Biophys** 1985 Feb;4(1):97-9

Effect of pH on fast sodium channels in neurons of the rat dorsal root ganglion. Negulyaev YuA, et al. **Gen Physiol Biophys** 1985 Aug;4(4):359-65

Effect of pentobarbital on neurones in the reticular formation of the brain stem: ionophoretic study in the rat. Pavlásek J, et al. **Gen Physiol Biophys** 1984 Dec;3(6):463-73

Low frequency neurons in the lateral central nucleus of the cat inferior colliculus receive their input predominantly from the medial superior olive. Aitkin L, et al. **Hear Res** 1985 Jan;17(1):87-93

Frequency difference limens of C57BL/6 and DBA/2 mice: relationship to auditory neuronal response properties and hearing impairment. Kulig J, et al. **Hear Res** 1984 Nov; 16(2):169-74

The acoustic startle response in DBA/2 and C57BL/6 mice: relationship to auditory neuronal response properties and hearing impairment. Willott JF, et al. **Hear Res** 1984 Nov; 16(2):161-7

Interaural intensity difference sensitivity based on facilitatory binaural interaction in cat superior colliculus. Wise LZ, et al. **Hear Res** 1984 Nov;16(2):181-7

Optimization of neural stimuli based upon a variable threshold potential. Dean D, et al. **IEEE Trans Biomed Eng** 1985 Jan;32(1):8-14

Laser-induced fabrication of a transsubstrate microelectrode array and its neurophysiological performance. Kim SJ, et al. **IEEE Trans Biomed Eng** 1985 Jul;32(7):497-502

Arterial pressure- and cardiac rhythm-related single-neuron activities in the nucleus reticularis gigantocellularis of the rat. Chan SH. **J Auton Nerv Syst** 1985 Jun;13(2):99-109

Evidence for transsynaptic regulation of neuronal cell surface heparan sulfate proteoglycan in developing rat superior cervical ganglion. Greif KF, et al. **J Cell Biochem** 1984; 26(2):127-33

Expression and assembly of the erythroid membrane-skeletal proteins ankyrin (goblin) and spectrin in the morphogenesis of chicken neurons. Lazarides E, et al. **J Cell Biochem** 1985; 27(4):423-41 (79 ref.)

Neuronal regulation of astroglial morphology and proliferation in vitro. Hatten ME. **J Cell Biol** 1985 Feb; 100(2):384-96

Tension and compression in the cytoskeleton of PC 12 neurites. Joshi HC, et al. **J Cell Biol** 1985 Sep; 101(3):697-705

Biosynthesis of the D2-cell adhesion molecule: post-translational modifications, intracellular transport, and developmental changes. Lyles JM, et al. **J Cell Biol** 1984 Dec;99(6):2082-91

Circadian rhythm of nucleoli in rat superior cervical ganglion neurons: the two types of fibrillar centres and their quantitative relationship with the nucleolar organizing regions. Pébusque MJ, et al. **J Cell Sci** 1985 Mar;74:65-74

Thalamic projections of nucleus reticularis thalami of cat: a study using retrograde transport of horseradish peroxidase and fluorescent tracers. Steriade M, et al. **J Comp Neurol** 1984 Nov 10;229(4):531-47

The non-pyramidal cells in layer III of cat primary auditory cortex (AI). Winer JA. **J Comp Neurol** 1984 Nov 10; 229(4):512-30

The pyramidal neurons in layer III of cat primary auditory cortex (AI). Winer JA. **J Comp Neurol** 1984 Nov 10; 229(4):476-96

New approaches to the neurophysiology of the dental pulp. Salzberg BM. **J Dent Res** 1985 Apr;64 Spec No:597-601

Pioneering and pathfinding by an identified neuron in the embryonic leech. Kuwada JY. **J Embryol Exp Morphol** 1985 Apr;86:155-67

The search for principles of neuronal organization. Burrows M. **J Exp Biol** 1984 Sep;112:1-4

A cellular mechanism of classical conditioning in Aplysia. Hawkins RD. **J Exp Biol** 1984 Sep;112:113-28 (69 ref.)

Functional roles and circuitry in an inhibitory pathway to feeding command neurones in Pleurobranchaea. London JA, et al. **J Exp Biol** 1984 Nov;113:423-46

Neuronal interactions mediated by neurally evoked changes in the extracellular potassium concentration. Spira ME, et al. **J Exp Biol** 1984 Sep;112:179-97 (67 ref.)

Application of transretinal current stimulation for the study of bipolar-amacrine transmission. Toyoda J, et al. **J Gen Physiol** 1984 Dec;84(6):915-25

The possible role of 'sibling neurite bias' in the coordination of neurite extension, branching, and survival. Smalheiser NR, et al. **J Neurobiol** 1984 Nov;15(6):517-29 (85 ref.)

Protein phosphorylation and neuronal function. Browning MD, et al. **J Neurochem** 1985 Jul;45(1):11-23 (151 ref.)

Alterations in the retinal dopaminergic neuronal system in rats with streptozotocin-induced diabetes. Nishimura C, et al. **J Neurochem** 1985 Aug;45(2):448-55

Neuronal cholecystokinin: one or multiple transmitters? Rehfeld JF. **J Neurochem** 1985 Jan;44(1):1-10 (75 ref.)

The expression of neurogenic loci in imaginal epidermal cells of Drosophila melanogaster. Dietrich U, et al. **J Neurogenet** 1984 Dec;1(4):315-32

Altered sensitivity to sodium channel-specific neurotoxins in cultured neurons from temperature-sensitive paralytic mutants of Drosophila. Suzuki N, et al. **J Neurogenet** 1984 Sep;1(3):225-38

The ionic mechanism of the slow outward current in Aplysia neurons. Huguenard JR, et al. **J Neurophysiol** 1985 Aug; 54(2):449-61

White noise analysis of cable properties of neuroblastoma cells and lamprey central neurons. Moore LE, et al. **J Neurophysiol** 1985 Mar;53(3):636-51

Transient voltage and calcium-dependent outward currents in hippocampal CA3 pyramidal neurons. Zbicz KL, et al. **J Neurophysiol** 1985 Apr;53(4):1038-58

Opiate- and alpha 2-adrenoceptor-induced hyperpolarizations of locus ceruleus neurons in brain slices: reversal by cyclic adenosine 3':5'-monophosphate analogues. Andrade R, et al. **J Neurosci** 1985 Sep; 5(9):2359-64

The neuropeptide FMRF-amide decreases both the Ca2+ conductance and a cyclic 3',5'-adenosine monophosphate-dependent K+ conductance in identified molluscan neurons. Colombaioni L, et al. **J Neurosci** 1985 Sep;5(9):2533-8

Neural mechanisms of motor program switching in the mollusc Pleurobranchaea. II. Role of the ventral white cell, anterior ventral, and B3 buccal neurons. Croll RP, et al. **J Neurosci** 1985 Jan;5(1):56-63

Neural mechanisms of motor program switching in the mollusc Pleurobranchaea. I. Central motor programs underlying ingestion, egestion, and the 'neutral' rhythm(s). Croll RP, et al. **J Neurosci** 1985 Jan;5(1):48-55

Neural mechanisms of motor program switching in the mollusc Pleurobranchaea. III. Role fo the paracerebral neurons and other identified brain neurons. Croll RP, et al. **J Neurosci** 1985 Jan;5(1):64-71

Cooperative firing activity in simultaneously recorded populations of neurons: detection and measurement. Gerstein GL, et al. **J Neurosci** 1985 Apr;5(4):881-9

The control of firing pattern in nigral dopamine neurons: burst firing. Grace AA, et al. **J Neurosci** 1984 Nov; 4(11):2877-90

The control of firing pattern in nigral dopamine neurons: single spike firing. Grace AA, et al. **J Neurosci** 1984 Nov; 4(11):2866-76

Loss of supernumerary axons during neuronal morphogenesis. Heathcote RD, et al. **J Neurosci** 1985 Jul; 5(7):1940-6

Peptidergic neurons of Aplysia lose their response to cyclic adenosine 3':5'-monophosphate during a prolonged refractory period. Kauer JA, et al. **J Neurosci** 1985 May; 5(5):1339-45

Developmental neural kinship groups in the leech. Kramer AP, et al. **J Neurosci** 1985 Feb;5(2):388-407

Antibodies to synthetic peptides defined by cDNA cloning reveal a network of peptidergic neurons in Aplysia. Kreiner T, et al. **J Neurosci** 1984 Oct;4(10):2581-9

Neuronal responses of the rabbit cerebellum during acquisition and performance of a classically conditioned nictitating membrane-eyelid response. McCormick DA, et al. **J Neurosci** 1984 Nov;4(11):2811-22

Noradrenergic responses of spinal neurons in locus coeruleus-spinal cord co-cultures. Pun RY, et al. **J Neurosci** 1985 Jan;5(1):181-91

Differential emergence of cellular mechanisms mediating habituation and sensitization in the developing Aplysia nervous system. Rayport SG, et al. **J Neurosci** 1984 Oct; 4(10):2528-32

Dissociated neurons regenerate into sciatic but not optic nerve explants in culture irrespective of neurotrophic factors. Schwab ME, et al. **J Neurosci** 1985 Sep; 5(9):2415-23

Characterization of an extended glutamate receptor of the on bipolar neuron in the vertebrate retina. Slaughter MM, et al. **J Neurosci** 1985 Jan;5(1):224-33

Different populations of GABAergic neurons in the visual cortex and hippocampus of cat contain somatostatin- or cholecystokinin-immunoreactive material. Somogyi P, et al. **J Neurosci** 1984 Oct;4(10):2590-603

Modulation of potassium current kinetics in bag cell neurons of Aplysia by an activator of adenylate cyclase. Strong JA. **J Neurosci** 1984 Nov;4(11):2772-83

Cholinergic neurons of the chick ciliary ganglia express adrenergic traits in vivo and in vitro. Teitelman G, et al. **J Neurosci** 1985 Jan;5(1):29-39

Morphological and functional types of neurons in cat ventral posterior thalamic nucleus. Yen CT, et al. **J Neurosci** 1985 May;5(5):1316-38

Software for electrophysiological experiments with a personal computer. Kegel DR, et al. **J Neurosci Methods** 1985 Feb;12(4):317-30

Local cobalt injection: a method to discriminate presynaptic axonal from postsynaptic neuronal activity. Kretz R. **J Neurosci Methods** 1984 Jun;11(2):129-35

A simple statistical test for the vertex ratio using Monte Carlo simulation. Verwer RW, et al. **J Neurosci Methods** 1985 Jul;14(2):137-42

Biology of the nerve growth cone. **J Neurosci Res** 1985; 13(1-2):1-335

Capabilities of monkey cortical cells in spatial-resolution tasks. Parker A, et al. **J Opt Soc Am [A]** 1985 Jul; 2(7):1101-14 (57 ref.)

Evidence against VIP or substance P being the transmitter in non-cholinergic excitatory nerves supplying the guinea-pig bladder. Meldrum LA, et al. **J Pharm Pharmacol** 1985 Jun;37(6):432-4

Neuronal and postjunctional components in the blood pressure effects of dopamine and bromocriptine in rabbits. Ensinger H, et al. **J Pharmacol Exp Ther** 1985 Sep; 234(3):681-90

Voltage and ion dependences of the slow currents which mediate bursting in Aplysia neurone R15. Adams WB, et al. **J Physiol (Lond)** 1985 Mar;360:69-93

Slow depolarizing and hyperpolarizing currents which mediate bursting in Aplysia neurone R15. Adams WB. **J Physiol (Lond)** 1985 Mar;360:51-68

Two-component desensitization of nicotinic receptors induced by acetylcholine agonists in Lymnaea stagnalis neurones. Andreev AA, et al. **J Physiol (Lond)** 1984 Aug; 353:375-91

Intrinsic inhibition in magnocellular neuroendocrine cells of rat hypothalamus. Andrew RD, et al. **J Physiol (Lond)** 1984 Aug;353:171-85

An intracellular analysis of gamma-aminobutyric-acid-associated ion movements in rat sympathetic neurones. Ballanyi K, et al. **J Physiol (Lond)** 1985 Aug;365:41-58

Lesions of the locus coeruleus abolish baroreceptor-induced depression of supraoptic neurones in the rat. Banks D, et al. **J Physiol (Lond)** 1984 Oct;355:383-98

Identification of delayed potassium and calcium currents in the rat sympathetic neurone under voltage clamp. Belluzzi O, et al. **J Physiol (Lond)** 1985 Jan;358:109-29

A fast transient outward current in the rat sympathetic neurone studied under voltage-clamp conditions. Belluzzi O, et al. **J Physiol (Lond)** 1985 Jan;358:91-108

Corrective reactions to stumbling in man: neuronal co-ordination of bilateral leg muscle activity during gait.

Berger W, et al. **J Physiol (Lond)** 1984 Dec;357:109–25

Spatial–frequency characteristics of neurones of area 18 in the cat: dependence on the velocity of the visual stimulus. Bisti S, et al. **J Physiol (Lond)** 1985 Feb;359:259–68

The appearance and development of neurotransmitter sensitivity in Xenopus embryonic spinal neurones in vitro. Bixby JL, et al. **J Physiol (Lond)** 1984 Aug;353:143–55

Activity dependence of action potential duration in rat supraoptic neurosecretory neurones recorded in vitro. Bourque CW, et al. **J Physiol (Lond)** 1985 Jun;363:429–39

Calcium–dependent action potentials in rat supraoptic neurosecretory neurones recorded in vitro. Bourque CW, et al. **J Physiol (Lond)** 1985 Jun;363:419–28

Effects of hind limb nerve section on lumbosacral dorsal horn neurones in the cat. Brown AG, et al. **J Physiol (Lond)** 1984 Sep;354:375–94

Two components of muscarine–sensitive membrane current in rat sympathetic neurones. Brown DA, et al. **J Physiol (Lond)** 1985 Jan;358:335–63

Membrane currents underlying the cholinergic slow excitatory post–synaptic potential in the rat sympathetic ganglion. Brown DA, et al. **J Physiol (Lond)** 1985 Aug;365:365–87

C–fibre excitation and tonic descending inhibition of dorsal horn neurones in adult rats treated at birth with capsaicin. Cervero F, et al. **J Physiol (Lond)** 1985 Aug;365:223–37

A novel membrane sodium current induced by injection of cyclic nucleotides into gastropod neurones. Connor JA, et al. **J Physiol (Lond)** 1984 Sep;354:139–62

Spinothalamic lumbosacral lamina I cells responsive to skin and muscle stimulation in the cat. Craig AD, et al. **J Physiol (Lond)** 1985 Aug;365:197–221

Spatial and temporal contrast sensitivities of neurones in lateral geniculate nucleus of macaque. Derrington AM, et al. **J Physiol (Lond)** 1984 Dec;357:219–40

Two types of calcium channels in the somatic membrane of new–born rat dorsal root ganglion neurones. Fedulova SA, et al. **J Physiol (Lond)** 1985 Feb;359:431–46

Spatial and temporal frequency selectivity of neurones in visual cortical areas V1 and V2 of the macaque monkey. Foster KH, et al. **J Physiol (Lond)** 1985 Aug;365:331–63

Outward currents in voltage–clamped rat sympathetic neurones. Galvan M, et al. **J Physiol (Lond)** 1984 Nov;356:115–33

Relation between red nucleus discharge and movement parameters in trained macaque monkeys. Gibson AR, et al. **J Physiol (Lond)** 1985 Jan;358:551–70

Magnocellular red nucleus activity during different types of limb movement in the macaque monkey. Gibson AR, et al. **J Physiol (Lond)** 1985 Jan;358:527–49

Low–calcium field burst discharges of CA1 pyramidal neurones in rat hippocampal slices. Haas HL, et al. **J Physiol (Lond)** 1984 Sep;354:185–201

Conduction velocity is related to morphological cell type in rat dorsal root ganglion neurones. Harper AA, et al. **J Physiol (Lond)** 1985 Feb;359:31–46

Electrical properties of rat dorsal root ganglion neurones with different peripheral nerve conduction velocities. Harper AA, et al. **J Physiol (Lond)** 1985 Feb;359:47–63

The selective innervation of guinea–pig superior cervical ganglion cells by sprouts from intact preganglionic axons. Henningsen I, et al. **J Physiol (Lond)** 1985 Jan;358:239–53

The calcium current in a myenteric neurone of the guinea–pig ileum. Hirst GD, et al. **J Physiol (Lond)** 1985 Apr;361:297–314

The slow calcium–dependent potassium current in a myenteric neurone of the guinea–pig ileum. Hirst GD, et al. **J Physiol (Lond)** 1985 Apr;361:315–37

Effects of L–glutamate on the anomalous rectifier potassium current in horizontal cells of Carassius auratus retina. Kaneko A, et al. **J Physiol (Lond)** 1985 Jan;358:169–82

Calcium–dependent inward current in Aplysia bursting pace–maker neurones. Kramer RH, et al. **J Physiol (Lond)** 1985 May;362:107–30

Calcium–induced inactivation of calcium current causes the inter–burst hyperpolarization of Aplysia bursting neurones. Kramer RH, et al. **J Physiol (Lond)** 1985 May;362:131–60

Ionic conductance associated with electrical activity of guinea–pig red nucleus neurones in vitro. Kubota M, et al. **J Physiol (Lond)** 1985 May;362:161–71

Control of the repetitive discharge of rat CA 1 pyramidal neurones in vitro. Madison DV, et al. **J Physiol (Lond)** 1984 Sep;354:319–31

Mixed–agonist action of excitatory amino acids on mouse spinal cord neurones under voltage clamp. Mayer ML, et al. **J Physiol (Lond)** 1984 Sep;354:29–53

Inhibitory synaptic potentials resulting from alpha 2–adrenoceptor activation in guinea–pig submucous plexus neurones. North RA, et al. **J Physiol (Lond)** 1985 Jan;358:17–33

On the potassium conductance increased by opioids in rat locus coeruleus neurones. North RA, et al. **J Physiol (Lond)** 1985 Jul;364:265–80

Post–natal development of pyramidal tract neurones in kittens. Oka H, et al. **J Physiol (Lond)** 1985 Jun;363:481–99

The transneuronal induction of sprouting and synapse formation in intact mouse muscles. Rotshenker S, et al. **J Physiol (Lond)** 1985 Mar;360:387–96

A dual mechanism for intracellular pH regulation by leech neurones. Schlue WR, et al. **J Physiol (Lond)** 1985 Jul;364:327–38

The actions of gamma–aminobutyric acid, glycine and their antagonists upon horizontal cells of the Xenopus retina. Stone S, et al. **J Physiol (Lond)** 1984 Aug;353:249–64

Permeability changes induced by L–glutamate in solitary retinal horizontal cells isolated from Carassius auratus. Tachibana M. **J Physiol (Lond)** 1985 Jan;358:153–67

Converging projections of hydromineral imbalances and hormonal co–action upon neurons surrounding the anterior wall of the third ventricle. Nicolaidis S, et al. **J Physiol (Paris)** 1984;79(6):406–15 (54 ref.)

A new view of pigmented neurons. McGinness J. **J Theor Biol** 1985 Aug 7;115(3):475–6

Simultaneous monitoring of electrochemical and unitary neuronal activities by a single carbon fiber microelectrode. Ikeda M, et al. **Jpn J Pharmacol** 1985 Mar;37(3):303–5

Modulation of receptor sensitivity and action potentials by transmitters in vertebrate neurones. Koketsu K. **Jpn J Physiol** 1984;34(6):945–60 (59 ref.)

Influences of glycine and neuron R14 on contraction of the anterior aorta of Aplysia. Sawada M, et al. **Jpn J Physiol** 1984;34(4):747–67

Firing properties of substantia nigra dopaminergic neurons in freely moving rats. Freeman AS, et al. **Life Sci** 1985 May 20;36(20):1983–94

Opiate–receptor interactions on single locus coeruleus neurones. Williams JT, et al. **Mol Pharmacol** 1984 Nov;26(3):489–97

Enhancement of calcium current in Aplysia neurones by phorbol ester and protein kinase C. DeRiemer SA, et al. **Nature** 1985 Jan 24–30;313(6000):313–6

Differential inhibition of neurone–neurone, neurone–astrocyte and astrocyte–astrocyte adhesion by L1, L2 and N–CAM antibodies. Keilhauer G, et al. **Nature** 1985 Aug 22–28;316(6030):728–30

The J1 glycoprotein––a novel nervous system cell adhesion molecule of the L2/HNK–1 family. Kruse J, et al. **Nature** 1985 Jul 11–17;316(6024):146–8

Molecular turnover and memory [letter] Mayer RJ. **Nature** 1985 Feb 21–27;313(6004):636

A Ca–dependent Cl– conductance in cultured mouse spinal neurones. Owen DG, et al. **Nature** 1984 Oct 11–17;311(5986):567–70

Avian primary auditory neurons. The relationship between characteristic frequency and preferred intervals. Manley GA, et al. **Naturwissenschaften** 1984 Nov;71(11):592–4

Substance P enteric neurons mediate non–cholinergic transmission to the circular muscle of the guinea–pig intestine. Costa M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):446–53

Neuronal 5–HT receptors in the periphery. Fozard JR. **Neuropharmacology** 1984 Dec;23(12B):1473–86

Correlation between histamine–induced neuronal excitability and activation of adenylate cyclase in the guinea pig hippocampus. Olianas M, et al. **Neuropharmacology** 1984 Sep;23(9):1071–4

Microiontophoretic application of morphine and naloxone to neurons in hypothalamus of rat. Prieto–Gomez B, et al. **Neuropharmacology** 1984 Sep;23(9):1081–9

The role of serotonergic neurons in dorsal raphe, median raphe and anterior hypothalamic pressor mechanisms. Robinson SE, et al. **Neuropharmacology** 1985 Jan;24(1):51–8

Histofluorescence evaluation of sympathetic nerve fibers in hearts of developing rats exposed to ethanol during gestation. Thadani PV, et al. **Neuropharmacology** 1984 Sep;23(9):1075–9

Further localization of midbrain neurones mediating the defence reaction in the cat by microinjections of excitatory amino acids. Bandler R, et al. **Neurosci Lett** 1985 May 23;56(3):311–6

Neonatally bulbectomized rats with new olfactory–neocortical connections are anosmic. Butler AB, et al. **Neurosci Lett** 1984 Aug 10;48(3):247–54

The effects of capsaicin on the early outward current in identified snail neurones. Erdélyi L, et al. **Neurosci Lett** 1984 Aug 10;48(3):349–53

A threshold sodium current in pyramidal cells in rat hippocampus. French CR, et al. **Neurosci Lett** 1985 May 23;56(3):289–93

Neuronal histamine inhibits methamphetamine–induced locomotor hyperactivity in mice. Itoh Y, et al. **Neurosci Lett** 1984 Aug 10;48(3):305–9

Existence of dopaminergic neurons in the preoptic region of the goldfish. Kah O, et al. **Neurosci Lett** 1984 Aug 10;48(3):293–8

Central determination of recruitment order: intracellular study of phrenic motoneurons. Monteau R, et al. **Neurosci Lett** 1985 May 23;56(3):341–6

Contribution of restricted extracellular space to the inactivation of calcium current in the snail neuron. Akaike N, et al. **Neurosci Res** 1985 Feb;2(3):181–8

Ontogenesis of the central serotonin neuron system of the rat––an immunohistochemical study. Goto M, et al. **Neurosci Res** 1984 Feb;1(1):3–18

Isolation and kinetic analysis of inward currents in neuroblastoma cells. Quandt FN, et al. **Neuroscience** 1984 Sep;13(1):249–62

Primary explants as a model of the hypothalamus in situ. Baldino F Jr, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):249–56

Dynamic neuronal–glial interactions in hypothalamus and pituitary: implications for control of hormone synthesis and release. Hatton GI, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:121–38 (76 ref.)

Axonal projections and peptide content of steroid hormone concentrating neurons. Morrell JI, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:227–39 (78 ref.)

Calcium–dependent action potentials in guinea–pig olfactory cortex neurones. Galvan M, et al. **Pflugers Arch** 1985 Jul;404(3):252–8

Activity of bulbar respiratory neurones during cough and other respiratory tract reflexes in cats. Jakuš J, et al. **Physiol Bohemoslov** 1985;34(2):127–36

The effect of short–term temperature changes on the adhesivity of nerve cells. Participation of DNA molecules on non–specific cellular adhesion. Lodin Z, et al. **Physiol Bohemoslov** 1985;34(1):25–32

Warming–induced hyperpolarization of cardiac muscle cells and snail neurones: interpretation based on temperature transition of cooperatively linked surface anionic sites between K+ and Na+ adsorbing states. Ling GN. **Physiol Chem Phys Med NMR** 1984;16(5):425–35 (37 ref.)

Interaction of synaptic modification rules within populations of neurons. Finkel LH, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1291–5

Polypeptide components and binding functions of neuron–glia cell adhesion molecules. Grumet M, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7989–93

Neuropeptide–containing neurons of the cerebral cortex are also GABAergic. Hendry SH, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6526–30

Determination of synaptic phenotype: insulin and cAMP independently initiate development of electrotonic coupling between cultured sympathetic neurons. Kessler JA, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6235–9

Associative conditioning analog selectively increases cAMP levels of tail sensory neurons in Aplysia. Ocorr KA, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2548–52

Glucocorticoid–sensitive hippocampal neurons are involved in terminating the adrenocortical stress response. Sapolsky RM, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6174–7

Expression of the beta–nerve growth factor gene correlates with the density of sympathetic innervation in effector organs. Shelton DL, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7951–5

Adenosine–activated potassium conductance in cultured striatal neurons. Trussell LO, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4857–61

Tunicamycin blocks neuritogenesis and glucosamine labeling of gangliosides in developing cerebral neuron cultures. Yavin E, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5638–42

Developing dorsal root ganglion neurons require trophic support from their central processes: evidence for a role of retrogradely transported nerve growth factor from the central nervous system to the periphery. Yip HK, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6245–9

Ion channels activated by L–glutamate and GABA in cultured cerebellar neurons of the rat. Cull–Candy SG, et al. **Proc R Soc Lond [Biol]** 1985 May 22;224(1236):367–73

The effect of GABA on lumbar terminations of rubrospinal neurons in the cat spinal cord. Curtis DR, et al. **Proc R Soc Lond [Biol]** 1984 Nov 22;223(1230):25–33

Calcium entry induced by acetylcholine action on snail neurons. Eusebi F, et al. **Proc R Soc Lond [Biol]** 1985 Jul 22;225(1238):55–62

Kinetic properties of cholinergic desensitization in Aplysia neurons. Slater NT, et al. **Proc R Soc Lond [Biol]** 1984 Nov 22;223(1230):63–78

The generation and modulation of endogenous rhythmicity in the Aplysia bursting pacemaker neurone R15. Adams WB, et al. **Prog Biophys Mol Biol** 1985;46(1):1–49

Induction–dependent and lineage–dependent models for cell diversification are mutually exclusive. Holtzer H, et al. **Prog Clin Biol Res** 1985;175:3–11

Synaptic integration in a single neuron. Moore LE, et al. **Prog Clin Biol Res** 1985;176:323–34

Central noradrenergic neurons and the hypertensive effects of intracerebroventricularly administered prostaglandin E2 in anaesthetized rabbits. Otorii T, et al. **Prostaglandins** 1985 Jan;29(1):25–33

An intracellular study of dentate, CA1 and CA3 neurones in the mouse hippocampal slice. Biscoe TJ, et al. **Q J Exp Physiol** 1985 Apr;70(2):189–202

The twelfth Bartlett memorial lecture: the role of single neurons in the psychology of perception. Barlow HB. **Q J Exp Psychol [A]** 1985 May;37(2):121–45

Extracellular calcium and microwave enhancement of membrane conductance in snail neurons. Arber SL, et al. **Radiat Environ Biophys** 1985;24(2):149–56

Role of brain epinephrine neurons in the regulation of serum prolactin and luteinizing hormone release in female rats. Liang NY, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jun;48(3):459–62

How embryonic nerve cells recognize one another. Goodman CS, et al. **Sci Am** 1984 Dec;251(6):58–66

Steroid–dependent survival of identifiable neurons in cultured ganglia of the moth Manduca sexta. Bennett KL, et al. **Science** 1985 Jul 5;229(4708):58–60

Functional properties of individual neuronal branches isolated in situ by laser photoinactivation. Jacobs GA, et al. **Science** 1985 Apr 19;228(4697):344–6

Prolonged Ca2+–dependent afterhyperpolarizations in hippocampal neurons of aged rats. Landfield PW, et al. **Science** 1984 Nov 30;226(4678):1089–92

Atriopeptin-immunoreactive neurons in the brain: presence in cardiovascular regulatory areas. Saper CB, et al. **Science** 1985 Mar 1;227(4690):1047-9

Response of ventrobasal thalamic neurons activated by dorsal and dorsolateral funiculi: an intracellular study. Sotgiu ML, et al. **Somatosens Res** 1985;2(4):325-33

The analysis of neuronal discharge sequences: change-point estimation and comparison of variances. Commenges D, et al. **Stat Med** 1985 Jan-Mar;4(1):91-104

An in vitro preparation and study of cells in cat visual cortex. Kato H, et al. **Vision Res** 1985;25(3):349-56

Responses of neurons in visual cortex (V1 and V2) of the alert macaque to dynamic random-dot stereograms. Poggio GF, et al. **Vision Res** 1985;25(3):397-406

Some unusual properties of neurones in the cat posterotemporal cortex. Shevelev IA, et al. **Vision Res** 1984;24(12):1951-8

Responsiveness of Clare-Bishop neurons to visual cues associated with motion of a visual stimulus in three-dimensional space. Toyama K, et al. **Vision Res** 1985; 25(3):407-14

GABAergic inhibition and orientation selectivity of neurons in the kitten visual cortex at the time of eye opening. Tsumoto T, et al. **Vision Res** 1985;25(3):383-8

[Non-spiking neurons and spiking non-neural cells] Chen YZ. **Sheng Li Ko Hsueh Chin Chan** 1984 Jan;15(1):46-52 **(Chi)**

[The paraneuron concept] Wang CC, et al. **Sheng Li Ko Hsueh Chin Chan** 1985 Apr;16(2):150-3 **(Chi)**

[Primary dissociated fetal neuronal cell cultures of mammals and their application] Wu XR. **Sheng Li Ko Hsueh Chin Chan** 1984 Jul;15(3):208-13 **(Chi)**

[A new retinal neuron--the interplexiform cell] Yang XL. **Sheng Li Ko Hsueh Chin Chan** 1985 Jan;16(1):79-82 (28 ref.) **(Chi)**

[Cellular (neuronal) mechanisms from the aspect of their relation to the regulation of motor activity. Prognostic study] Pavlásek J. **Cesk Neurol Neurochir** 1984 Sep; 47(5):277-82 **(Cze)**

[Long-term changes in the activity of Purkinje cells and efferent cerebellar neurons following bilateral destruction of the inferior olive] Batini C, et al. **C R Acad Sci [III]** 1984;299(12):521-4 (Eng. Abstr.) **(Fre)**

[Acute inflammation and hyperalgesia: their consequences on the responses of various neurons of the ventrobasal thalamic complex in rats] Benoist JM, et al. **C R Acad Sci [III]** 1984;299(10):401-4 (Eng. Abstr.) **(Fre)**

[Electrophysiological maturation of neurons of the lateral geniculate nucleus after lesion of ponto-geniculo-occipital pathways in kittens] Davenne D, et al. **C R Acad Sci [III]** 1985;300(2):59-64 (Eng. Abstr.) **(Fre)**

[Properties of thalamocortical cells identified by antidromic stimulation in the ventrolateral and ventrobasal thalamic nuclei in rats] Dutar P, et al. **C R Acad Sci [III]** 1985; 300(6):217-20 (Eng. Abstr.) **(Fre)**

[Selective stabilization of neuronal representations by resonance between spontaneous prerepresentations of the cerebral network and percepts evoked by interaction with the outside world] Heidmann A, et al. **C R Acad Sci [III]** 1984;299(20):839-44 (Eng. Abstr.) **(Fre)**

[Postnatal development of functional properties of the visual cortical cells of area 18 in kittens raised with or without visual experience] Milleret C, et al. **C R Acad Sci [III]** 1984;299(13):553-8 (Eng. Abstr.) **(Fre)**

[Neonatal development of ACTH-immunoreactive neurons in the rat] Olivo M, et al. **C R Acad Sci [III]** 1985; 300(2):53-8 (Eng. Abstr.) **(Fre)**

[Activity of dopaminergic neurons of the substantia nigra following lesions of the neostriatum by kainic acid] Doudet D, et al. **C R Soc Biol (Paris)** 1984;178(3):298-306 (Eng. Abstr.) **(Fre)**

[Activity of dopaminergic neurons of the substantia nigra: a functional significance?] Doudet D, et al. **C R Soc Biol (Paris)** 1984;178(3):292-7 (Eng. Abstr.) **(Fre)**

[Blood platelets: neuronal model in psychiatric disorders] Dreux C, et al. **Encephale** 1985 Mar-Apr;11(2):57-64 (51 ref.) (Eng. Abstr.) **(Fre)**

[Peripheral peptidergic neurons. I. Functional vasodilatation and VIP] Damas J. **Rev Med Liege** 1985 Jul 1-15; 40(13-14):539-44 (28 ref.) **(Fre)**

[Reflex circuits of the spinal cord in man. Control during movement and their functional role (1)] Pierrot-Deseilligny E, et al. **Rev Neurol (Paris)** 1984;140(11):605-14 (Eng. Abstr.) **(Fre)**

[New developments concerning the neuron cell membrane: advances in the structural analysis of transmembrane ion channels] Betz H. **Naturwissenschaften** 1984 Jul;71(7):363-8 (Eng. Abstr.) **(Ger)**

[Influence of the sensorimotor cortex on single neurons of the nucleus gracilis in the cat] Giuffrida R, et al. **Boll Soc Ital Biol Sper** 1984 Nov 30;60(11):2111-8 (Eng. Abstr.) **(Ita)**

[Recurrent neurons of the superior cervical ganglion of the rat: an electrophysiological study] Prigioni I, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):747-53 (Eng. Abstr.) **(Ita)**

[Effects of stimulation of the claustrum on the spontaneous activity of pyramidal neurons of the contralateral motor areas 4 and 6 in the cat] Salerno MT, et al. **Boll Soc Ital Biol Sper** 1984 Oct 30;60(10):1975-81 (Eng. Abstr.) **(Ita)**

[A study on relation between premotor cortex and forelimb movement: analysis of neuronal activity] Kurata K. **Hokkaido Igaku Zasshi** 1984 Jul;59(4):425-38 (Eng. Abstr.) **(Jpn)**

[Single unit activity in cortical masticatory area during natural masticatory movement in cats] Taira M. **Kokubyo Gakkai Zasshi** 1984 Dec;51(4):641-55 (Eng. Abstr.) **(Jpn)**

[Functional roles played by lateral vestibular neurons during controlled locomotion in the mesencephalic cat] Kanaya T. **Nippon Jibiinkoka Gakkai Kaiho** 1984 May;87(5):667-80 (Eng. Abstr.) **(Jpn)**

[Representation of functional surfaces in the somatosensory cortex] Iwamura Y. **Nippon Seirigaku Zasshi** 1985; 47(2):55-64 (25 ref.) **(Jpn)**

[Functional relationship between chemosensitive substrates (intermediate area) and respiratory neurons in the nucleus retroambigualis in cats] Goto K. **No To Hattatsu** 1984 Nov; 16(6):427-34 (Eng. Abstr.) **(Jpn)**

[Membrane potentials and cerebral ischemia] Sano K. **No To Shinkei** 1985 Mar;37(3):226-7 **(Jpn)**

[Intra-axonal transport--mechanisms and implications in neuropathology] Bigotte de Almeida L. **Acta Med Port** 1984 Jun;5(6):197-203 (56 ref.) (Eng. Abstr.) **(Por)**

[Dependence of Retzius' neuron reaction to succinic acid on its initial functional state] Bazanova IS, et al. **Biofizika** 1985 Mar-Apr;30(2):285-8 (Eng. Abstr.) **(Rus)**

[Configuration generators of neuronal rhythm] Dunin-Barkovskiĭ VL. **Biofizika** 1984 Sep-Oct; 29(5):899-902 (Eng. Abstr.) **(Rus)**

[Intraneuronal information processing. Delay in the changes in membrane potential after administration of cyclic nucleotides] Liberman EA, et al. **Biofizika** 1985 May-Jun; 30(3):455-9 (Eng. Abstr.) **(Rus)**

[Possible modes of autorhythmic activity of a single neuron] Efimov VN, et al. **Biol Nauki** 1985;(1):56-8 (Eng. Abstr.) **(Rus)**

[Compact micromanipulator for the chronic extracellular recording of neuronal activity in restrained and freely moving animals] Korshunov VA. **Biol Nauki** 1984;(8):103-6 (Eng. Abstr.) **(Rus)**

[Integrative properties of parietal cortex neurons of rabbits during the switching of heterogeneous classical conditioned reflexes] Timofeeva NO, et al. **Biol Nauki** 1984;(11):47-51 (Eng. Abstr.) **(Rus)**

[Impulse activity of the nodose ganglion neurons in myocardial ischemia] Kositskiĭ GI, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):653-5 (Eng. Abstr.) **(Rus)**

[Neuronal impulse activity of the striopallidum in the monkey during postponed behavior] Batuev AS, et al. **Dokl Akad Nauk SSSR** 1985;281(3):738-42 **(Rus)**

[Biogenic amine interaction with opiate receptors of hippocampal neurons in tissue culture] Gromova EA, et al. **Dokl Akad Nauk SSSR** 1984,277(5):1270-3 **(Rus)**

[Mechanism of the modulating effect of met-enkephalin on glutamatergic synaptic transmission] Kuznetsov VI, et al. **Dokl Akad Nauk SSSR** 1985;282(2):456-9 **(Rus)**

[Effects of the interval selectivity of the interaction between brain neurons] Pirogov AA, et al. **Dokl Akad Nauk SSSR** 1984 Nov-Dec;279(1):245-7 **(Rus)**

[Dystrophic and compensatory regenerative processes in the cortical neurons after hypoxia and the transplantation of embryonic nerve tissue in rats] Polezhaev LV, et al. **Dokl Akad Nauk SSSR** 1985;282(3):712-6 **(Rus)**

[Long-lasting homo- and heterosynaptic posttetanic changes in the neuronal reactions of the sensorimotor cortex] Veber NV, et al. **Dokl Akad Nauk SSSR** 1985;281(2):486-9 **(Rus)**

[Analysis of the frequency changes in the neuronal discharges of the human brain in the course of the V one-time performance of psychological tests] Gogolitsyn IuL, et al. **Fiziol Cheloveka** 1984 Sep-Oct;10(5):796-812 **(Rus)**

[Immunomodulation of neuronal structures and functions] Janković BD. **Fiziol Cheloveka** 1984 Mar-Apr;10(2):221-3 (19 ref.) **(Rus)**

[Mathematical modeling of the mechanisms of signal processing by neuronal populations in the brain. II. The effect of synaptic plasticity on the properties of the neuronal network with local connections in the stationary mode] Kropotov IuD, et al. **Fiziol Cheloveka** 1984 May-Jun;10(3):405-10 **(Rus)**

[Mathematical modeling of the mechanisms of signal processing by neuronal populations in the brain. III. A study of the evoked reactions of neuronal barrels] Kropotov IuD, et al. **Fiziol Cheloveka** 1984 Sep-Oct; 10(5):813-21 **(Rus)**

[Correlation between different forms of the reorganization of the impulse flows of neuronal populations] Shkurina NG. **Fiziol Cheloveka** 1984 Sep-Oct;10(5):822-8 **(Rus)**

[Reactions of residual neurons in the medial geniculate body of the cat to sound clicks] Khorevin VI, et al. **Fiziol Zh** 1984 Nov-Dec;30(6):655-9 (Eng. Abstr.) **(Rus)**

[Neuronal reactions of the 1st somatosensory cortex in cats to external and internal inhibition of an instrumental conditioned reflex] Kruchenko ZhA, et al. **Fiziol Zh** 1984 Nov-Dec;30(6):641-9 (Eng. Abstr.) **(Rus)**

[Effect of the midbrain reticular formation on the neuronal activity of the associative cortex evoked by transcallosal stimulation] Mamonets TM. **Fiziol Zh** 1984 Sep-Oct; 30(5):617-24 (Eng. Abstr.) **(Rus)**

[Neuronal mechanisms and the functional importance of inhibition in the auditory cortex neurons] Serkov FN. **Fiziol Zh** 1984 Sep-Oct;30(5):520-6 (Eng. Abstr.) **(Rus)**

[Neuronal mechanisms of the tonic activity of the peripheral section of the autonomic nervous system] Skok VI. **Fiziol Zh** 1984 Sep-Oct;30(5):539-45 (Eng. Abstr.) **(Rus)**

[Neuronal inhibition reactions of an isolated strip of the associative cerebral cortex in the cat (field 5) to intracortical stimulation] Taranenko VD, et al. **Fiziol Zh** 1984 Sep-Oct;30(5):610-7 (Eng. Abstr.) **(Rus)**

[Electrophysiological characteristics of the bulbar respiratory neurons] Zhigaĭlo TL, et al. **Fiziol Zh** 1984 Nov-Dec; 30(6):660-7 (Eng. Abstr.) **(Rus)**

[Neuronal reactions of the ventromedial hypothalamus to stimulation of gastric mechanoreceptors and to the intra-arterial administration of glucose and sodium chloride] Baklavadzhian OG, et al. **Fiziol Zh SSSR** 1984 Dec;70(12):1651-8 (Eng. Abstr.) **(Rus)**

[Reflection of the semantic characteristics of the thinking process in the impulse activity of neurons] Bekhtereva NP. **Fiziol Zh SSSR** 1984 Jul;70(7):881-91 (31 ref.) (Eng. Abstr.) **(Rus)**

[Relationships of distantly located neuronal populations in the human brain in the realization of the thinking process] Bekhtereva NP, et al. **Fiziol Zh SSSR** 1984 Jul; 70(7):892-903 (Eng. Abstr.) **(Rus)**

[Membrane potential fixation using an oscillograph] Golubtsov KV, et al. **Fiziol Zh SSSR** 1985 Jun;71(6):796-7 **(Rus)**

[Participation of neurons of different hypothalamic areas in the reaction of the body to hypoxia] Ianvareva IN, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):747-52 (Eng. Abstr.) **(Rus)**

[Dynamics of changes in the neuronal function of the central nervous system under prolonged stimulations] Ianvareva IN, et al. **Fiziol Zh SSSR** 1984 Oct;70(10):1394-401 (Eng. Abstr.) **(Rus)**

[Calcium ion channels in the cell membrane] Kostiuk PG. **Fiziol Zh SSSR** 1984 Aug;70(8):1081-91 (75 ref.) (Eng. Abstr.) **(Rus)**

[Conditions affecting the nature of the neuronal afterdischarges in the medial geniculate body of the cat] Kotelenko LM, et al. **Fiziol Zh SSSR** 1985 Apr; 71(4):453-60 (Eng. Abstr.) **(Rus)**

[Component analysis of the reactions of neuronal populations in the human brain during the memorizing of visual stimuli] Kropotov IuD. **Fiziol Zh SSSR** 1984 Jul;70(7):904-11 (Eng. Abstr.) **(Rus)**

['Learning' by subicular neurons and theta rhythm] Kvirkveliia LR. **Fiziol Zh SSSR** 1985 Jan;71(1):22-9 (Eng. Abstr.) **(Rus)**

[The locus coeruleus and neuronal activity of the thalamic reticular nucleus] Nanobashvili ZI, et al. **Fiziol Zh SSSR** 1985 Jan;71(1):15-21 (Eng. Abstr.) **(Rus)**

[Effect of the limbic cortex and hypothalamus on the activity of the medullary respiratory neurons] Nersesian LB. **Fiziol Zh SSSR** 1985 Mar;71(3):304-9 (Eng. Abstr.) **(Rus)**

[Directional selectivity of the neurons of the superior colliculi in the cat: the effect of the rate of movement of a stimulus] Novikov GI, et al. **Fiziol Zh SSSR** 1984 Oct;70(10):1436-41 (Eng. Abstr.) **(Rus)**

[Mechanism of static temperature sensitivity in spontaneously active neurons of the marine mollusk Aplysia] Poliakov AM, et al. **Fiziol Zh SSSR** 1984 Sep;70(9):1344-7 **(Rus)**

[Neurochemical mechanisms of the involvement of sensorimotor cortex neurons in food and orienting-exploratory behavior] Sudakov SK, et al. **Fiziol Zh SSSR** 1984 Sep;70(9):1311-5 (Eng. Abstr.) **(Rus)**

[Neuronal organization of the somatovisceral afferent systems of the centromedian area of the thalamus] Vaganian LG, et al. **Fiziol Zh SSSR** 1985 Jan;71(1):72-9 (Eng. Abstr.) **(Rus)**

[Surface charge of mouse neuroblastoma cells and changes during growth and morphologic differentiation of the cell population] Dolgaia EV, et al. **Neirofiziologiia** 1985; 17(2):168-74 (Eng. Abstr.) **(Rus)**

[Model studies of mechanisms of the rhythmic activity of mammalian neurons] Mironov SL. **Neirofiziologiia** 1984; 16(4):445-51 (Eng. Abstr.) **(Rus)**

[Calcium currents of differentiated mouse neuroblastoma cells] Veselovskiĭ NS, et al. **Neirofiziologiia** 1984; 16(4):527-31 (Eng. Abstr.) **(Rus)**

[Mechanisms of orientation selectivity of simple and complex neurons in the visual cortex and a model of the orientation-selective receptive field] Supin AIa. **Usp Fiziol Nauk** 1984 Oct-Dec;15(4):23-45 (47 ref.) **(Rus)**

[Neuronal reactions of the auditory cortex to sounds of various frequencies in rabbits in ontogeny] Kliavina MP, et al. **Zh Evol Biokhim Fiziol** 1985 Jan-Feb;21(1):97-100 (Eng. Abstr.) **(Rus)**

[Effect of rhythmic and tonic stimulation on the neuronal activity of the olfactory bulb in the newt Triturus cristatus]

NEWARK PUBLIC LIBR

Margolis SE. **Zh Evol Biokhim Fiziol** 1984 Nov-Dec; 20(6):604–10 (Eng. Abstr.) **(Rus)**

[Conditioned suppression of action potential generation of an isolated Helix pomatia neuron] Grechenko TN. **Zh Vyssh Nerv Deiat** 1985 Jan–Feb;35(1):182–5 **(Rus)**

['Conditioned response' of the electro-excitable membrane of isolated neurons of Helix pomatia] Grechenko TN. **Zh Vyssh Nerv Deiat** 1984 Sep–Oct;34(5):982–4 **(Rus)**

PHYSIOPATHOLOGY

Brain neurotransmitters and neuropeptides in Parkinson's disease. Rinne UK, et al. **Acta Physiol Pharmacol Latinoam** 1984;34(3):287–99

Supraoptic neurones in Brattleboro rats respond normally to changes in plasma osmotic pressure. Dyball RE, et al. **J Endocrinol** 1985 Apr;105(1):87–90

Effect of spinal cord transection on spontaneous activity recorded from type I neurons of the medial vestibular nucleus in compensated hemilabyrinthectomized gerbils. Clegg TJ, et al. **Otolaryngol Head Neck Surg** 1985 Jun; 93(3):414–8

RADIATION EFFECTS

[Dynamics of the early ultrastructural changes in sensorimotor cortical neurons of the rat brain after exposure to high doses of gamma–neutron radiation] Abdrakhmanov AA, et al. **Radiobiologiia** 1985 May–Jun;25(3):338–42 (Eng. Abstr.) **(Rus)**

SECRETION

Regulation of acetylcholinesterase secretion from neuronal cell cultures.—1. Actions of nerve growth factor, cytoskeletal inhibitors and tunicamycin. Lucas CA, et al. **Neuroscience** 1985 Jan;14(1):349–60

Biochemistry of peptide-secreting neurons. White JD, et al. **Physiol Rev** 1985 Jul;65(3):553–606 (313 ref.)

A ligand-specific action of chelated copper on hypothalamic neurons: stimulation of the release of luteinizing hormone-releasing hormone from median eminence explants. Barnea A, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7656–60

TRANSPLANTATION

The nerve allograft response—an experimental model in the rat. Mackinnon SE, et al. **Ann Plast Surg** 1985 Apr; 14(4):334–9

Transplanted septal neurons make viable cholinergic synapses with a host hippocampus. Segal M, et al. **Brain Res** 1985 Jun 17;336(2):302–7

Neural transplantation: a review of recent developments and potential applications to the aged brain. Gash DM, et al. **Neurobiol Aging** 1985 Summer;6(2):131–74 (157 ref.)

The survival of brain transplants is enhanced by extracts from injured brain. Nieto-Sampedro M, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6250–4

Migration and differentiation of cerebral cortical neurons after transplantation into the brains of ferrets. McConnell SK. **Science** 1985 Sep 20;229(4719):1268–71

ULTRASTRUCTURE

Histologic changes in the hypoxic brain. Van Reempts J, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:209–18

Ultrastructural changes in neurons of the anterior subdivision of the rat hypothalamic ventromedial nucleus following repeated immobilization stress. Kiss A. **Anat Anz** 1985; 158(2):125–34

On the ontogenetic development of the rat dorsal lateral geniculate nucleus. I. GCR-neurons at postnatal day 7—a Golgi-electron microscopic study. Brauer K, et al. **Anat Embryol (Berl)** 1985;172(1):39–48

Apical dendritic spines and axonic terminals in the bipyramidal neurons of the dorsomedial cortex of lizards (Lacerta). Martinez Guijarro FJ, et al. **Anat Embryol (Berl)** 1984;170(3):321–6

A type of apparently axonless granule cell in the cat auditory cortex. Meyer G, et al. **Anat Embryol (Berl)** 1984; 170(3):319–20

Transneuronal degeneration in the heart and gastro-oesophageal junction in the monkey (Macaca fascicularis) following unilateral vagotomy. Wong WC, et al. **Ann Acad Med Singapore** 1985 Jan;14(1):123–7

Catecholamine-containing neurons and lymphoid cells in a lacrimal gland of the pigeon. Walcott B, et al. **Brain Res** 1985 Feb 25;328(1):129–37

Granule populations in oxytocin and abnormal perikarya of the supraoptic nucleus of homozygous Brattleboro rats: effects of colchicine administration. Chapman DB, et al. **Cell Tissue Res** 1985;241(2):435–44

Nerve cells and synaptic connections in the intestinal nerve of the snail, Helix pomatia L. An ultrastructural and HRP study. Elekes K, et al. **Cell Tissue Res** 1985;239(3):611–20

Interneuronal and glial-neuronal gap junctions in the lamina ganglionaris of the compound eye of the housefly, Musca domestica. Saint Marie RL, et al. **Cell Tissue Res** 1985; 241(1):43–52

Ultrastructure of enterochromaffin cells and associated neural and vascular elements in the mouse duodenum. Wade PR, et al. **Cell Tissue Res** 1985;241(3):557–63

Ultrastructural localization of the calcium-binding protein parvalbumin in neurons of the song system of the zebra finch, Poephila guttata. Zuschratter W, et al. **Cell Tissue Res** 1985;241(1):77–83

Neurite outgrowth traced by means of horseradish peroxidase inherited from neuronal ancestral cells in frog embryos. Jacobson M, et al. **Dev Biol** 1985 Jul;110(1):102–13

Neurofilament expression in vagal neural crest-derived precursors of enteric neurons. Payette RF, et al. **Dev Biol** 1984 Oct;105(2):273–87

Neuronal chromatin changes in layer V pyramidal cells of somatomotor cortex after pyramidal tract lesions as demonstrated by [3H]actinomycin D binding. Wells MR, et al. **Exp Neurol** 1985 Mar;87(3):393–402

Morphology of claustral neurons in the rat. Mamos L. **Folia Morphol** 1984;43(2):73–8

Freeze-fracture of neurons in nucleus magnocellularis of the chick. Mattox DE, et al. **Hear Res** 1985 Jan;17(1):67–78

Ultrastructure and stereological analysis of nucleoli of rat nodose ganglion neuron during a 24-h period: a comparison with sympathetic neurons of rat superior cervical ganglion. Pébusque MJ, et al. **J Auton Nerv Syst** 1985 Jun;13(2):91–8

Preferential outgrowth of central nervous system neurites on astrocytes and Schwann cells as compared with nonglial cells in vitro. Fallon JR. **J Cell Biol** 1985 Jan; 100(1):198–207

A comparison of the ultrastructure of substance P and enkephalin-immunoreactive elements in the nucleus of the dorsal lateral funiculus and laminae I and II of the rat spinal cord. Bresnahan JC, et al. **J Comp Neurol** 1984 Nov 10; 229(4):497–511

Somatotopic organization and transmedian pathways of the rat trigeminal ganglion. Shellhammer SB, et al. **J Dent Res** 1984 Nov;63(11):1289–92

From embryonic fascicles to adult tracts: organization of neuropile from a developmental perspective. Bastiani M, et al. **J Exp Biol** 1984 Sep;112:45–64 (150 ref.)

Relationships between neuronal structure and function. Miller JP, et al. **J Exp Biol** 1984 Sep;112:129–45 (40 ref.)

Isolation and characterization of an enriched Golgi fraction from neurons of developing rat brains. Gonatas JO, et al. **J Neurochem** 1985 Aug;45(2):497–507

In vitro simulation of neural trauma by laser. Kirkpatrick JB, et al. **J Neuropathol Exp Neurol** 1985 May;44(3):268–84

A description of the GABAergic neurons and axon terminals in the motor nuclei of the cat thalamus. Kultas-Ilinsky K, et al. **J Neurosci** 1985 May;5(5):1346–69

Differential synapse formation and neurite outgrowth at two branches of the metacerebral cell of Aplysia in dissociated cell culture. Schacher S. **J Neurosci** 1985 Aug;5(8):2028–34

Novel organization of microtubules in cultured central nervous system neurons: formation of hairpin loops at ends of maturing neurites. Tsui HT, et al. **J Neurosci** 1984 Dec; 4(12):3002–13

Neuron-specific growth cone properties as seen in identified neurons of Helisoma. Haydon PG, et al. **J Neurosci Res** 1985;13(1–2):135–47

Cytoplasmic morphology weaver (wv) mouse cerebellar neurons at the culture substratum. Willinger M, et al. **J Neurosci Res** 1985;13(1–2):163–82

Ultrastructural morphology of the nerve cells in the cerebral ganglion of the Acanthocephalan Moniliformis moniliformis. Budziakowski ME, et al. **J Parasitol** 1984 Oct;70(5):719–34

Ciliated neurons in the paraventricular nuclei in old hamsters. Suarez I, et al. **J Submicrosc Cytol** 1985 Jul;17(3):351–6

Brain region specificity in estradiol effects on neuronal ultrastructure in rats. Meisel RL, et al. **Mol Cell Endocrinol** 1985 May;40(2–3):159–66

Glutamic acid decarboxylase-containing axons synapse on LHRH neurons in the rat medial preoptic area. Leranth C, et al. **Neuroendocrinology** 1985 Jun;40(6):536–9

Ultrastructural relationships between serotonin and dopamine neurons in the rat arcuate nucleus and medial zona incerta: a combined radioautographic and immunocytochemical study. Bosler O, et al. **Neurosci Lett** 1984 Aug 10; 48(3):279–85

Isolation and partial characterisation of neuronal growth cones from neonatal rat forebrain. Gordon-Weeks PR, et al. **Neuroscience** 1984 Sep;13(1):119–36

Morphological survey of neurotensin-like immunoreactive neurons in the hypothalamus. Ibata Y, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:109–20

Synaptology of luteinizing hormone-releasing hormone neurons in rat preoptic area. Witkin JW, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):263–71

Low resolution scanning electron microscopy of cerebellar neurons and neuroglial cells of the granular layer. Castejón OJ. **Scan Electron Microsc** 1984;(Pt 3):1391–400

Geometrical differences among homologous neurons in mammals. Purves D, et al. **Science** 1985 Apr 19; 228(4697):298–302

The use of backscattered electrons to examine selectively stained nerve fibers in the scanning electron microscope. Taylor JS, et al. **Stain Technol** 1984 Nov;59(6):335–41

Scanning electron microscopy of neurons isolated from the pedal disk and body column of Hydra. Westfall JA, et al. **Tissue Cell** 1985;17(2):161–70

An electron microscope study of the dorsal gray commissure of the rat spinal cord (segment C-1). Herrera-Lara M, et al. **Z Mikrosk Anat Forsch** 1984;98(6):805–12

[Ultrastructural findings in the stellate ganglion following sudden death] Schwalew WN, et al. **Z Mikrosk Anat Forsch** 1984;98(4):543–50 (Eng. Abstr.) **(Ger)**

[Morphometric and electron microscopic studies of the differentiation process of cortical neurons and their synapses in explant cultures of the cingulate region of the rat embryo] Tapp R, et al. **Z Mikrosk Anat Forsch** 1985; 99(2):177–203 (Eng. Abstr.) **(Ger)**

[Binuclear neurons in the brain of hens in experimental pesticide poisoning] Lakomy M, et al. **Pol Arch Weter** 1984; 24(2):247–52 (Eng. Abstr.) **(Pol)**

[Electron microscopic and cytointerferometric study of the cortical neurons from the 2d-generation progeny of preneurosensitized female rats] Dubinskaia GR, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):614–6 (Eng. Abstr.) **(Rus)**

[Ultrastructure of sensorimotor cortex neurons and interneuronal connections in the progeny of alcoholized rats] Popova EN. **Biull Eksp Biol Med** 1984 Dec; 98(12):743–6 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the neurons of the sensorimotor cortex in rats under prolonged hypokinesia] Semenchenko II, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):619–21 (Eng. Abstr.) **(Rus)**

[Ultrastructural plasticity of the synaptic apparatus of cortical neurons during the formation of associative rearrangements] Kotliar BI, et al. **Dokl Akad Nauk SSSR** 1984;277(6):1499–502 **(Rus)**

[Positive cooperation in the binding of tetrodotoxin by sodium channels of neurons of the spinal ganglia of rats induced by anemotoxin RTX-III] Sorokina ZA, et al. **Dokl Akad Nauk SSSR** 1985;282(2):433–6 **(Rus)**

[Cytological analysis of the protein component of the nuclear chromatin in rat sympathetic neurocytes in postnatal ontogeny. II. The age-related changes in the nonhistone chromosomal proteins detectable by fast green and the matrix activity before and after extraction of the weakly bound fraction] Grigor'eva AV, et al. **Tsitologiia** 1985 Feb; 27(2):191–5 (Eng. Abstr.) **(Rus)**

[Cytological analysis of the protein component of the nuclear chromatin in rat sympathetic neurocytes in postnatal ontogeny. I. The age-related changes in the histones detectable by ammoniacal silver and the matrix activity of the chromatin in rat sympathetic neurocytes] Grigor'eva AV, et al. **Tsitologiia** 1985 Feb;27(2):186–90 (Eng. Abstr.) **(Rus)**

[The accessory body of Cajal] Lafarga M, et al. **Trab Inst Cajal Invest Biol** 1982;73(1–2):5–21 (36 ref.) (Eng. Abstr.) **(Spa)**

NEURONS, AFFERENT

ANALYSIS

Co-existence of substance P and calcitonin gene-related peptide-like immunoreactivities in sensory nerves in relation to cardiovascular and bronchoconstrictor effects of capsaicin. Lundberg JM, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):315–9

Calcitonin gene-related peptide (CGRP)-immunoreactive sensory and motor nerves of the mammalian palate. Rodrigo J, et al. **Histochemistry** 1985;82(1):67–74

Neuropeptides in physiologically identified mammalian sensory neurones. Leah JD, et al. **Neurosci Lett** 1985 May 23;56(3):257–63

ANATOMY & HISTOLOGY

Sympathetic preganglionic efferent and afferent neurons mediated by the greater splanchnic nerve in rabbit. Torigoe Y, et al. **Exp Neurol** 1985 Feb;87(2):334–48

The central morphology of mechanoreceptor afferents in the metathoracic leg of the cockroach, Periplaneta americana (Insecta). Collin SP. **J Neurobiol** 1985 Jul;16(4):269–82

CYTOLOGY

Localization and morphometric analysis of masticatory muscle afferent neurons in the nucleus of the mesencephalic root of the trigeminal nerve in the cat. Capra NF, et al. **Acta Anat (Basel)** 1985;122(2):115–25

Further evidence of bilateral cervical projection from the snout primary sensory neurons by HRP method. Narita N, et al. **Anat Anz** 1985;158(5):453–6

Sensory cells of the 'rod-' and 'cone-type' in the pineal organ of Rana esculenta, as revealed by immunoreaction against opsin and by the presence of an oil (lipid) droplet. Vigh B, et al. **Cell Tissue Res** 1985;240(1):143–8

Neuronal organization of the avian paraventricular nucleus: intrinsic, afferent, and efferent connections. Korf HW. **J Exp Zool** 1984 Dec;232(3):387–95 (67 ref.)

Segmental distribution of afferent fibres in the left inferior cardiac nerve of the cat studied by anterograde transport of horseradish peroxidase. Rühle W, et al. **Neurosci Lett** 1985 May 23;56(3):353–8

DRUG EFFECTS

The effect of nerve growth factor on developing primary sensory neurons of the trigeminal nerve in chick embryos. Straznicky C, et al. **Anat Embryol (Berl)** 1985;171(1):91–5

Serotonin depolarizes type A and C primary afferents: an intracellular study in bullfrog dorsal root ganglion. Holziv GG, et al. **Brain Res** 1985 Feb 18;327(1–2):71–9

Synaptic and non-synaptic actions of benzodiazepines on the crayfish sensory neuron. Sewell RD, et al.

Eur J Pharmacol 1984 Jun 15;102(1):71-8

Mechanisms of depletion of substance P by capsaicin. Burks TF, et al. **Fed Proc** 1985 Jun;44(9):2531-4

Comparative study on the electrophysiological responses at thalamic level to different analgesic peptides. Braga PC, et al. **Int J Tissue React** 1985;7(1):85-91

Responsiveness of neurons in the hamster parabrachial nuclei to taste mixtures. Travers SP, et al. **J Gen Physiol** 1984 Aug;84(2):221-50

Pyridoxine megavitaminosis: an analysis of the early changes induced with massive doses of vitamin B6 in rat primary sensory neurons. Krinke G, et al. **J Neuropathol Exp Neurol** 1985 Mar;44(2):117-29

The effects of nerve growth factor and its antiserum on the postnatal development and survival after injury of sensory neurons in rat dorsal root ganglia. Yip HK, et al. **J Neurosci** 1984 Dec;4(12):2986-92

The effects of tetrodotoxin, papaverine and verapamil on the increase in the rate of spontaneous afferent discharges induced by local anesthetics from the pulmonary mechanoreceptors of the bullfrog. Kontani H, et al. **Jpn J Pharmacol** 1985 Jan;37(1):1-12

Effect of a muscle relaxant, chlorphenesin carbamate, on the spinal neurons of rats. Kurachi M, et al. **Jpn J Pharmacol** 1984 Sep;36(1):7-13

The depolarizing action of 5-hydroxytryptamine on rabbit vagal primary afferent and sympathetic neurones and its selective blockade by MDL 72222. Azami J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):423-9

Possible involvement of capsaicin-sensitive sensory nerves in the regulation of intestinal blood flow in the dog. Rózsa Z, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jul; 326(4):352-6

Benzodiazepines produce contrasting effects on the active membrane properties of an invertebrate neuron. Tan KS, et al. **Neuropharmacology** 1985 Feb;24(2):91-4

Forskolin prolongs action potential duration and blocks potassium current in embryonic chick sensory neurons. Dunlap K. **Pflugers Arch** 1985 Feb;403(2):170-4

Capsaicin sensitive sensory neurons mediate the response to nasal irritation induced by the vapour phase of cigarette smoke. Lundblad L, et al. **Toxicology** 1984 Oct;33(1):1-7

[Pre- and post-synaptic activity of glutamate on preparations of the frog semicircular canal] Valli P, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30;61(3):403-9 (Eng. Abstr.) **(Ita)**

[Effect of morphine on autonomic reflexes induced by stimulation of afferent fibers in the stomach] Itina LV, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):231-7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Peripheral projections and neuropeptide coexistence in a subpopulation of fluoride-resistant acid phosphatase reactive spinal primary sensory neurons. Dalsgaard CJ, et al. **Neurosci Lett** 1984 Sep 28;51(1):139-44

IMMUNOLOGY

Calcitonin gene-related peptide immunoreactive sensory and motor nerves of the rat, cat, and monkey esophagus. Rodrigo J, et al. **Gastroenterology** 1985 Feb;88(2):444-51

Monoclonal antibodies against carbohydrate differentiation antigens identify subsets of primary sensory neurones. Dodd J, et al. **Nature** 1984 Oct 4-10;311(5985):469-72

METABOLISM

Capsaicin effects on muscularis mucosa of opossum esophagus: substance P release from afferent nerves? Robotham H, et al. **Am J Physiol** 1985 Jun;248(6 Pt 1):G655-62

Dispersed sensory ganglion cells cleave an active entity from nerve growth factor coupled to Sepharose. Khan AA, et al. **Cell Biochem Funct** 1983 Jul;1(2):84-6

Non-neuronal cell conditioned medium stimulates peptidergic expression in sympathetic and sensory neurons in vitro. Kessler JA. **Dev Biol** 1984 Nov;106(1):61-9

Release of plasminogen activator and a calcium-dependent metalloprotease from cultured sympathetic and sensory neurons. Pittman RN. **Dev Biol** 1985 Jul;110(1):91-101

Single doses of acrylamide reduce retrograde transport velocity. Miller MS, et al. **J Neurochem** 1984 Nov; 43(5):1401-8

Substance P in primary afferent neurons of the female rat reproductive system. Traurig H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jul; 326(4):343-6

The effect of nerve growth factor and its antibodies on neurofilament protein expression in primary cultures of sensory and spinal neurons. Doherty P, et al. **Neurosci Lett** 1984 Sep 28;51(1):55-60

Depolarization elicits two distinct calcium currents in vertebrate sensory neurones. Bossu JL, et al. **Pflugers Arch** 1985 Apr;403(4):360-8

[Pre-synaptic inhibition and pentobarbital] Ohmura Y. **Masui** 1985 Jan;34(1):2-8 (36 ref.) **(Jpn)**

PATHOLOGY

Retrograde and transganglionic degeneration of sensory neurons after a peripheral nerve lesion at birth. Bondok AA, et al. **Exp Neurol** 1984 Nov;86(2):322-30

PHYSIOLOGY

Effects of nasal capsaicin pretreatment and cryosurgery on sneezing reflexes, neurogenic plasma extravasation, sensory and sympathetic neurons. Lundblad L, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):117-27

Involvement of capsaicin-sensitive afferent neurones in a vagal-dependent interaction between leukotriene D4 and histamine on bronchomotor tone. Stewart AG, et al. **Agents Actions** 1984 Dec;15(5-6):500-8

Orthodromic sensory nerve conduction of the medial and lateral plantar nerves. A standardization. Belen J. **Am J Phys Med** 1985 Feb;64(1):17-23

Sensory action potentials in the ulnar and radial nerves of dogs: effect of stimulation site and voltage. van Nes JJ. **Am J Vet Res** 1985 May;46(5):1155-61

Medial and lateral antebrachial cutaneous nerves: standardization of technique, reliability and age effect on healthy subjects. Izzo KL, et al. **Arch Phys Med Rehabil** 1985 Sep;66(9):592-7

Superposition of impulse activity in a rapidly-adapting afferent unit model. Goldfinger MD. **Biol Cybern** 1984; 50(6):385-94

Dynamic properties of the action potential encoder in an insect mechanosensory neuron. French AS. **Biophys J** 1984 Aug;46(2):285-9

The intercollicular region in the cat: a possible relay in the parallel somatosensory pathways from the dorsal column nuclei to the posterior complex of the thalamus. Itoh K, et al. **Brain Res** 1984 Aug 6;308(1):166-71

Projection of phrenic afferents to the external cuneate nucleus in the cat. Marlot D, et al. **Brain Res** 1985 Feb 18;327(1-2):328-30

Effect of blood pressure on A2 noradrenergic neurons. Moore SD, et al. **Brain Res** 1985 Jul 8;338(1):169-72

Ventral rhizotomy enhances regeneration of uninjured sensory neurons. Rich KM, et al. **Brain Res** 1985 May 27; 335(1):182-7

Examination of geniculate ganglion cells contributing sensory fibers to the rat facial 'motor' nerve. Semba K, et al. **Brain Res** 1984 Aug 13;308(2):354-9

Trigeminal sensorimotor mechanisms and eating in the rat. Zeigler HP, et al. **Brain Res** 1984 Aug 6;308(1):149-54

Effects of static and rhythmic twitch contractions on the discharge of group III and IV muscle afferents. Kaufman MP, et al. **Cardiovasc Res** 1984 Nov;18(11):663-8

Phenol topically applied to canine left ventricular epicardium interrupts sympathetic but not vagal afferents. Barber MJ, et al. **Circ Res** 1984 Oct;55(4):532-44

Altered control of hindlimb vascular resistance by vagal afferents in spontaneously hypertensive rats. Difference in the early and late stage of hypertension. Hoka S, et al. **Circ Res** 1984 Dec;55(6):763-72

Angiotensin converting enzyme and substance P changes in blister fluid following afferent nerve stimulation in the rat. Jackson B, et al. **Clin Exp Pharmacol Physiol** 1985 Mar-Apr;12(2):187-91

Axonal guidance mutants of Caenorhabditis elegans identified by filling sensory neurons with fluorescein dyes. Hedgecock EM, et al. **Dev Biol** 1985 Sep;111(1):158-70

Afferent trigeminal fibres in the oculomotor nerve and their physiological role. Manni E, et al. **Doc Ophthalmol** 1984 Aug 15;58(1):101-7

A non-linear analysis of afferent modulatory activity in the cat somatosensory system. Sclabassi RJ, et al. **Electroencephalogr Clin Neurophysiol** 1985 May; 60(5):444-54

The significance of nucleus raphe dorsalis and centralis for thermoafferent signal transmission to the preoptic area of the rat. Werner J, et al. **Exp Brain Res** 1985;59(3):543-7

The use of sensory evoked potentials in toxicology. Dyer RS. **Fundam Appl Toxicol** 1985 Feb;5(1):24-40 (87 ref.)

Effect of short exposure to cold on plasma thyroxine in Coturnix quail: role of the infundibular complex and its neural afferents. Herbuté S, et al. **Gen Comp Endocrinol** 1984 Oct;56(1):1-8

Horseradish peroxidase injection of physiologically characterized afferent and efferent neurones in the guinea pig spiral ganglion. Robertson D. **Hear Res** 1984 Aug; 15(2):113-21

The neurophysiology of feeding. Rolls ET. **Int J Obes** 1984; 8 Suppl 1:139-50 (71 ref.)

Effect of ischemia on responses of group III and IV afferents to contraction. Kaufman MP, et al. **J Appl Physiol** 1984 Sep;57(3):644-50

Increasing gracilis muscle interstitial potassium concentrations stimulate group III and IV afferents. Rybicki KJ, et al. **J Appl Physiol** 1985 Mar;58(3):936-41

Role of nerve growth factor in the adult dorsal root ganglia neuron and its response to injury. Rich KM, et al. **J Comp Neurol** 1984 Nov 20;230(1):110-8

The development of projections and connections from transplanted locust sensory neurons. Anderson H. **J Embryol Exp Morphol** 1985 Feb;85:207-24

Development of synapses between identified sensory neurones and giant interneurones in the cockroach Periplaneta americana. Blagburn JM, et al. **J Embryol Exp Morphol** 1985 Apr;86:227-46

In vitro analysis of interactions between sensory neurons and skin: evidence for selective innervation of dermis and epidermis. Verna JM. **J Embryol Exp Morphol** 1985 Apr; 86:53-70

Neurospecificity in the cricket cercal system. Murphey RK, et al. **J Exp Biol** 1984 Sep;112:7-25 (48 ref.)

Modulation of calcium channels by norepinephrine in internally dialyzed avian sensory neurons. Forscher P, et al. **J Gen Physiol** 1985 May;85(5):743-63

Recovery of the ipsilateral oculotectal projection following nerve crush in the frog: evidence that retinal afferents make synapses at abnormal tectal locations. Adamson J, et al. **J Neurosci** 1984 Oct;4(10):2635-49

Structure and function of electrosensory neurons in the torus semicircularis of Eigenmannia: morphological correlates of phase and amplitude sensitivity. Rose G, et al. **J Neurosci** 1985 Aug;5(8):2269-80

Regeneration of sensory-motor synapses in the spinal cord of the bullfrog. Sah DW, et al. **J Neurosci** 1984 Nov; 4(11):2784-91

Long-term enhancement produced by activity-dependent modulation of Aplysia sensory neurons. Walters ET, et al. **J Neurosci** 1985 Mar;5(3):662-72

Growth cones and the formation of central and peripheral neurites by sensory neurones in amphibian embryos. Roberts A, et al. **J Neurosci Res** 1985;13(1-2):23-38

gamma-Aminobutyric-acid- and pentobarbitone-gated chloride currents in internally perfused frog sensory neurones. Akaike N, et al. **J Physiol (Lond)** 1985 Mar; 360:367-86

Properties of a sympatho-inhibitory and vasodilator reflex evoked by superior laryngeal nerve afferents in the cat. Bachoo M, et al. **J Physiol (Lond)** 1985 Jul;364:183-98

Facilitatory influence of noradrenergic afferents on the excitability of rat paraventricular nucleus neurosecretory cells. Day TA, et al. **J Physiol (Lond)** 1984 Oct;355:237-49

Post-synaptic activity evoked in the nucleus tractus solitarius by carotid sinus and aortic nerve afferents in the cat. Donoghue S, et al. **J Physiol (Lond)** 1985 Mar;360:261-73

The post-natal development of cutaneous afferent fibre input and receptive field organization in the rat dorsal horn. Fitzgerald M. **J Physiol (Lond)** 1985 Jul;364:1-18

Two calcium-sensitive spike after-hyperpolarizations in visceral sensory neurones of the rabbit. Fowler JC, et al. **J Physiol (Lond)** 1985 Aug;365:59-75

Synchronous afferent discharge from a passive muscle of the cat: significance for interpreting spike-triggered averages. Hamm TM, et al. **J Physiol (Lond)** 1985 Aug;365:77-102

An intracellular study of descending and non-cutaneous afferent input to spinocervical tract neurones in the cat. Harrison PJ, et al. **J Physiol (Lond)** 1984 Nov;356:245-61

Crossed actions of group I muscle afferents in the cat. Harrison PJ, et al. **J Physiol (Lond)** 1984 Nov;356:263-73

Calcium-dependent after-potentials in visceral afferent neurones of the rabbit. Higashi H, et al. **J Physiol (Lond)** 1984 Oct;355:479-92

Discharge in muscle spindle afferents related to direction of slow precision movements in man. Hulliger M, et al. **J Physiol (Lond)** 1985 May;362:437-53

A calcium-activated chloride current generates the after-depolarization of rat sensory neurones in culture. Mayer ML. **J Physiol (Lond)** 1985 Jul;364:217-39

Different types of slowly conducting afferent units in cat skeletal muscle and tendon. Mense S, et al. **J Physiol (Lond)** 1985 Jun;363:403-17

Intracellular pH regulation in the sensory neurone of the stretch receptor of the crayfish (Astacus fluviatilis). Moser H. **J Physiol (Lond)** 1985 May;362:23-38

On the basis of delayed depolarization and its role in repetitive firing of Rohon-Beard neurones in Xenopus tadpoles. Spitzer NC. **J Physiol (Lond)** 1984 Dec;357:51-65

Muscle but not cutaneous C-afferent input produces prolonged increases in the excitability of the flexion reflex in the rat. Wall PD, et al. **J Physiol (Lond)** 1984 Nov; 356:443-58

Threshold response phase to sinusoidal stimulation of frog cutaneous mechanoreceptor afferent units. Taniguchi K, et al. **Jpn J Physiol** 1984;34(6):1065-75

Three types of neuronal calcium channel with different calcium agonist sensitivity. Nowycky MC, et al. **Nature** 1985 Aug 1-7;316(6027):440-3

Noradrenergic afferents facilitate the activity of tuberoinfundibular neurons of the hypothalamic paraventricular nucleus. Day TA, et al. **Neuroendocrinology** 1985 Jul;41(1):17-22

Long-latency responses in human thenar muscles mediated by fast conducting muscle and cutaneous afferents. Deuschl G, et al. **Neurosci Lett** 1985 Apr 19;55(3):361-6

How rare are dichotomizing sensory fibres in peripheral nerves of warm blooded animals? [letter] Pierau FK, et al. **Neurosci Lett** 1985 Apr 19;55(3):379-80

Discharge pattern of afferent fibers from a neuroma. Blumberg H, et al. **Pain** 1984 Dec;20(4):335-53

Ectopic sensory discharges and paresthesiae in patients with disorders of peripheral nerves, dorsal roots and dorsal columns. Nordin M, et al. **Pain** 1984 Nov;20(3):231-45

Evidence for a monosynaptic connection between slowly adapting pulmonary stretch receptor afferents and inspiratory beta neurones. Backman SB, et al. **Pflugers Arch** 1984 Oct;402(2):129-36

Electrical stimulation of arterial and central chemosensory afferents at different times in the respiratory cycle of the cat: I. Ventilatory responses. Marek W, et al. **Pflugers Arch** 1985 Apr;403(4):415-21

Serotonin increases intracellular Ca2+ transients in

NEWARK PUBLIC LIBRA

voltage-clamped sensory neurons of Aplysia californica. Boyle MB, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(23):7642-6

Is ATP a central synaptic mediator for certain primary afferent fibers from mammalian skin? Fyffe RE, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6890-3

Differences between mammalian ventral and dorsal spinal roots in response to blockade of potassium channels during maturation. Bowe CM, et al. **Proc R Soc Lond [Biol]** 1985 May 22;224(1236):355-66

The role of vagal afferents and carbon dioxide in the respiratory response to thyrotropin-releasing hormone. Mueller RA, et al. **Regul Pept** 1985 Mar;10(2-3):157-66

Effects of carotid chemoreceptor excitation on medullary expiratory neurons in cats. Lipski J, et al. **Respir Physiol** 1984 Sep;57(3):279-91

Respiratory afferent activity in the superior laryngeal nerves. Mathew OP, et al. **Respir Physiol** 1984 Oct;58(1):41-50

Stimulation of group III and IV muscle afferents reflexly decreases total pulmonary resistance in dogs. Rybicki KJ, et al. **Respir Physiol** 1985 Feb;59(2):185-95

Initiation of behavior by single neurons: the role of behavioral context. Nolen TG, et al. **Science** 1984 Nov 23; 226(4677):992-4

Quantitative studies of stimulus coding in first-order vibrissa afferents of rats. 2. Adaptation and coding of stimulus parameters. Gibson JM, et al. **Somatosens Res** 1983; 1(2):95-117

Quantitative studies of stimulus coding in first-order vibrissa afferents of rats. 1. Receptive field properties and threshold distributions. Gibson JM, et al. **Somatosens Res** 1983; 1(1):51-67

Electrophysiology of raccoon cuneocerebellar neurons. Haring JH, et al. **Somatosens Res** 1984;1(3):247-64

Tonic descending influences on cat spinal cord dorsal horn neurons. Soja PJ, et al. **Somatosens Res** 1983;1(1):83-93

Response properties of prefrontal visual neurons in the awake monkeys. Azuma M. **Tohoku J Exp Med** 1985 Jun; 146(2):137-48

[Studies on primary afferent somatosensory and proprioceptive activities in the human] Wang KM, et al. **Sheng Li Ko Hsueh Chin Chan** 1984 Jul;15(3):265-7 **(Chi)**

[Aspects of morphological manifestations of the plasticity of the peripheral nervous system. II. Plasticity of the afferent somatosensory system] Soukup T. **Cesk Neurol Neurochir** 1985 Jan;48(1):1-6 (60 ref.) **(Cze)**

[Neuronal network with modifiable synapses: decoding of composite sensory messages under unsupervised and permanent learning] Hérault J, et al. **C R Acad Sci [III]** 1984;299(13):525-8 (Eng. Abstr.) **(Fre)**

[Afferents from a single muscle of the forelimbs and fastigial neurons of the cerebellum] Licata F, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30;61(3):425-31 (Eng. Abstr.) **(Ita)**

[Response properties of the tooth pulp-driven neurons in the primary somatosensory cortex (SI) in the cat] Sunakawa M. **Kokubyo Gakkai Zasshi** 1984 Dec;51(4):627-40 (Eng. Abstr.) **(Jpn)**

[Electrophysiological study of the hypothalamic projections of nociceptive afferents of the dental pulp] Baklavadzhan OG, et al. **Fiziol Zh** 1984 Sep-Oct;30(5):579-86 (Eng. Abstr.) **(Rus)**

[Changes in cortical evoked potentials during interaction of nociceptive and non-nociceptive (tactile) stimulation in rabbits] Zlatin RS, et al. **Fiziol Zh** 1985 Mar-Apr; 31(2):213-5 **(Rus)**

[Evoked potentials in the rabbit amygdala following its partial deafferentation] Chernova VL, et al. **Fiziol Zh SSSR** 1983 Jul;69(7):887-94 (Eng. Abstr.) **(Rus)**

[Peptidergic and sensory mechanisms, parasympathetic and sympathetic nerves] Lundberg JM, et al. **Lakartidningen** 1984 Dec 26;81(52):4939-42 **(Swe)**

PHYSIOPATHOLOGY

Excitation of tooth pulp afferents with electrical current. Virtanen A, et al. **Acupunct Electrother Res** 1984; 9(2):127-34

Roles of right versus left vagal sensory nerves in cardiopulmonary reflexes of conscious dogs. Barron KW, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):R301-7

ULTRASTRUCTURE

Effects of dorsal rhizotomy on the several types of primary afferent terminals in laminae I-III of the rat spinal cord. An electron microscope study. Coimbra A, et al. **Anat Embryol (Berl)** 1984;170(3):279-87

Afferent projections from forelimb muscles to the external and main cuneate nuclei in the cat. A study with transganglionic transport of horseradish peroxidase. Jasmin L, et al. **Anat Embryol (Berl)** 1985;171(3):275-84

Morphology of primary afferents to the spinal cord of the turtle Pseudemys scripta elegans. Ruigrok TJ, et al. **Anat Embryol (Berl)** 1985;171(1):75-81

Can Ib axons be selectively activated by electrical stimuli in human subjects? Heckman CJ, et al. **Exp Neurol** 1984 Dec;86(3):576-82

Peripheral nerve grafts to the frog optic tectum: a morphological study of the axon reaction in trigeminal motor and sensory neurons. Kaplan EI, et al. **Exp Neurol** 1985 Sep;89(3):659-78

Developmental arborization of sensory neurons in the leech Haementeria ghilianii. I. Origin of natural variations in the branching pattern. Kramer AP, et al. **J Neurosci** 1985 Mar; 5(3):759-67

Developmental arborization of sensory neurons in the leech Haementeria ghilianii. II. Experimentally induced variations in the branching pattern. Kramer AP, et al. **J Neurosci** 1985 Mar;5(3):768-75

The ultrastructural basis for synaptic transmission between primary muscle afferents and neurons in Clarke's column of the cat. Walmsley B, et al. **J Neurosci** 1985 Aug; 5(8):2095-106

Sensory neurite growth cone guidance by substrate adsorbed nerve growth factor. Gundersen RW. **J Neurosci Res** 1985; 13(1-2):199-212

Ultrastructural relationships between the sensory nerve terminals and the odontoblast process in the human dental pulp. Shiromoto M. **Kurume Med J** 1984;31(3):185-95

[Morphological changes of the afferent and efferent nerve endings of the outer hair cells after acoustic exposure] Omata T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep; 87(9):1103-10 (Eng. Abstr.) **(Jpn)**

NEURONS, EFFERENT

ANATOMY & HISTOLOGY

Sympathetic preganglionic efferent and afferent neurons mediated by the greater splanchnic nerve in rabbit. Torigoe Y, et al. **Exp Neurol** 1985 Feb;87(2):334-48

CYTOLOGY

Morphological characteristics of striatonigral neurons. Druga R. **Folia Morphol (Praha)** 1985;33(1):70-6

Comparison of the distributions of renal and splenic neurons in sympathetic ganglia. Meckler RL, et al. **J Auton Nerv Syst** 1984 Sep;11(2):189-200

Neuronal organization of the avian paraventricular nucleus: intrinsic, afferent, and efferent connections. Korf HW. **J Exp Zool** 1984 Dec;232(3):387-95 (67 ref.)

Localization of the neurons of origin of efferent fibers in the glossopharyngeal, vagus and accessory nerves in the rat by means of retrograde degeneration and horseradish peroxidase methods. Lü YL, et al. **Okajimas Folia Anat Jpn** 1984 Oct;61(4):287-309

DRUG EFFECTS

Droperidol inhibits cardiac vagal efferents in dogs. Nashan B, et al. **Br J Anaesth** 1984 Nov;56(11):1259-66

Permissive role of spinal alpha 1-adrenoceptors in sudomotor efferents. Rybarczyk MC, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):339-48

ENZYMOLOGY

Glutamic acid decarboxylase immunoreactivity of olivocochlear neurons in the organ of Corti of guinea pig and rat. Fex J, et al. **Hear Res** 1984 Aug;15(2):123-31

METABOLISM

Non-neuronal cell conditioned medium stimulates peptidergic expression in sympathetic and sensory neurons in vitro. Kessler JA. **Dev Biol** 1984 Nov;106(1):61-9

Release of plasminogen activator and a calcium-dependent metalloprotease from cultured sympathetic and sensory neurons. Pittman RN. **Dev Biol** 1985 Jul;110(1):91-101

PHYSIOLOGY

Horseradish peroxidase injection of physiologically characterized afferent and efferent neurones in the guinea pig spiral ganglion. Robertson D. **Hear Res** 1984 Aug; 15(2):113-21

Efferent modulation of hair cell tuning in the cochlea of the turtle. Art JJ, et al. **J Physiol (Lond)** 1985 Mar;360:397-421

Efferent control of cochlear inner hair cell responses in the guinea-pig. Brown MC, et al. **J Physiol (Lond)** 1984 Sep; 354:625-46

Blood glucose levels modulate efferent activity in the vagal supply to the rat liver. Niijima A. **J Physiol (Lond)** 1985 Jul;364:105-12

Set-related neuronal activity in the premotor cortex of rhesus monkeys: effects of changes in motor set. Wise SP, et al. **Proc R Soc Lond [Biol]** 1985 Jan 22;223(1232):331-54

Descending efferents from the superior colliculus relay integrated multisensory information. Meredith MA, et al. **Science** 1985 Feb 8;227(4687):657-9

Rhythmic activity in pelvic efferents to the bladder: an experimental study in the cat with reference to the clinical condition 'unstable bladder'. Lindström S, et al. **Urol Int** 1984;39(5):272-9

ULTRASTRUCTURE

[Innervation of the human testes studied with electron microscopy] Tedde G, et al. **Bull Assoc Anat (Nancy)** 1984 Mar;68(200):77-86 (Eng. Abstr.) **(Fre)**

[Morphological changes of the afferent and efferent nerve endings of the outer hair cells after acoustic exposure] Omata T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep; 87(9):1103-10 (Eng. Abstr.) **(Jpn)**

NEURONS, SENSORY see **NEURONS, AFFERENT**

NEUROPATHY, HEREDITARY SENSORY

COMPLICATIONS

Orthopaedic complications in congenital sensory neuropathy with anhidrosis (congenital absence of pain). Report of two cases. Theodorou SD, et al. **Acta Orthop Belg** 1985 Jan-Feb;51(1):91-102

Plantar ulcers in hereditary sensory neuropathy. A plea for conservative treatment. Berginer V, et al. **Int J Dermatol** 1984 Dec;23(10):664-8

Clinical manifestations of congenital insensitivity of the hand and classification of syndromes. Gwathmey FW, et al. **J Hand Surg [Am]** 1984 Nov;9(6):863-9

Hereditary sensory neuropathy with macular dystrophy. Tallman MS, et al. **South Med J** 1985 Mar;78(3):345-8

DIAGNOSIS

Diagnostic radioimmunoassay for familial amyloidotic polyneuropathy [letter] Nakazato M, et al. **Lancet** 1984 Dec 1;2(8414):1274-5

FAMILIAL & GENETIC

X-linked motor-sensory neuropathy type-II with deafness and mental retardation: a new disorder. Cowchock FS, et al. **Am J Med Genet** 1985 Feb;20(2):307-15

Hereditary motor-sensory neuropathy (HMSN): possible X-linked dominant inheritance. Phillips LH, et al. **Neurology** 1985 Apr;35(4):498-502

Amyloidotic polyneuropathy in a Jewish family. Evidence for the genetic heterogeneity of the lower limb familial amyloidotic neuropathies. Gafni J, et al. **Q J Med** 1985 Apr;55(216):33-44

PATHOLOGY

Hereditary motor and sensory neuropathy of demyelinating and remyelinating type in children. Ultrastructural and morphometric studies on sural nerve biopsy specimens from ten sporadic cases. Nordborg C, et al. **Acta Neuropathol (Berl)** 1984;65(1):1-9

Hereditary motor sensory neuropathy type II with neurofilament accumulation: new finding or new disorder? Vogel P, et al. **Ann Neurol** 1985 May;17(5):455-61

Ultrastructural aspects of nerves, bones, and vessels in hereditary sensory neuropathy. Teot L, et al. **J Orthop Res** 1985;3(2):226-35

Hereditary sensory neuropathy: biopsy study of an autosomal dominant variety. Danon MJ, et al. **Neurology** 1985 Aug; 35(8):1226-9

REHABILITATION

Rehabilitation of an adult with disabilities due to congenital sensory neuropathy. Nance PW, et al. **Arch Phys Med Rehabil** 1985 Feb;66(2):123-4

NEUROPEPTIDES see **NERVE TISSUE PROTEINS**

NEUROPHYSINS

Analysis of self-association of bovine neurophysins by gel chromatography. Whittaker BA, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):585-90

ANALYSIS

Coexistence of vasopressin, neurophysin and noradrenaline immunoreactivity in medium-sized cells of the locus coeruleus and subcoeruleus in the rat. Caffé AR, et al. **Brain Res** 1985 Jul 8;338(1):160-4

Molecular properties of the oxytocin/bovine neurophysin biosynthetic precursor. Studies using a semisynthetic precursor. Kanmera T, et al. **J Biol Chem** 1985 Jul 15; 260(14):8474-82

Quantitative affinity high-performance liquid chromatography of neuroendocrine polypeptides using porous and non-porous glass derivatives. Swaisgood HE, et al. **J Chromatogr** 1985 Jun 26;327:193-204

Presence of a neurophysin-like precursor in the green turtle (Chelonia mydas). Licht P, et al. **J Endocrinol** 1984 Oct; 103(1):97-106

BLOOD

Effects of acute increases in plasma osmolality on plasma vasopressin-associated neurophysin in conscious rats: implications for osmoregulation. Cheng SW, et al. **Neuroendocrinology** 1985 Apr;40(4):363-8

CEREBROSPINAL FLUID

Cerebrospinal fluid neurophysins in affective illness and in schizophrenia. Linkowski P, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(3):162-5

GENETICS

Localization of arginine vasopressin-neurophysin II messenger ribonucleic acid in the hypothalamus of control and Brattleboro rats by hybridization histochemistry with a synthetic pentadecamer oligonucleotide probe. Fuller PJ, et al. **Endocrinology** 1985 Jun;116(6):2366-8

The human vasopressin gene is linked to the oxytocin gene and is selectively expressed in a cultured lung cancer cell line. Sausville E, et al. **J Biol Chem** 1985 Aug 25; 260(18):10236-41

Vasopressin-neurophysin II gene expression in the ovary: studies in Sprague-Dawley, Long-Evans and Brattleboro rats. Fuller PJ, et al. **J Endocrinol** 1985 Jun;105(3):317-21

Differential responses to osmotic stress of vasopressin-neurophysin mRNA in hypothalamic nuclei. Burbach JP, et al. **Neuroendocrinology** 1984 Dec; 39(6):582-4

Chromosomal assignment of human sequences encoding arginine vasopressin-neurophysin II and growth hormone releasing factor. Riddell DC, et al. **Somatic Cell Mol Genet** 1985 Mar;11(2):189-95

IMMUNOLOGY

Phylogenetic cross-reactivities of monoclonal antibodies produced against rat neurophysin. Ben-Barak Y, et al. **Cell Mol Neurobiol** 1984 Dec;4(4):339-49

Neurophysin in the hypothalamo-neurohypophysial system. I. Production and characterization of monoclonal antibodies. Ben-Barak Y, et al. **J Neurosci** 1985 Jan; 5(1):81-97

ISOLATION & PURIFICATION

High-performance liquid chromatographic mapping and structural characterization of neurophysin isoforms. Chaiken IM, et al. **Anal Biochem** 1984 Dec;143(2):215-25

Ontogeny of the bovine neurohypophyseal hormone precursors. Foetal neurohormones and neurophysins. Chauvet MT, et al. **Int J Pept Protein Res** 1984 Jul; 24(1):66-73

Neurophysin heterogeneity. Difference between newly formed and aged neurosecretory granules. Nordmann JJ, et al. **J Biol Chem** 1984 Nov 10;259(21):13111-6

Presence of immunoreactive neurophysins of a higher molecular weight in addition to the 10.000 form in the ovine pineal gland. Reinharz AC, et al. **Peptides (Fayetteville)** 1985 Mar-Apr;6(2):199-203

METABOLISM

Use of perdeuterated peptides in NMR studies of neurophysin-hormone interaction: demonstration of peptide-specific changes in neurophysin resonances. Peyton D, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1211-8

Conformational flexibility of neurophysin as investigated by local motions of fluorophores. Relationships with neurohypophyseal hormone binding. Rholam M, et al. **Biochemistry** 1985 Apr 9;24(8):1928-33

Enthalpies of ligand binding to bovine neurophysins. Whittaker BA, et al. **Biochemistry** 1985 May 21; 24(11):2782-90

Hypothalamic biosynthesis and transport of neurophysins and their precursors to the rat brain stem. Camier M, et al. **Brain Res** 1985 May 13;334(1):1-8

Distribution of neurophysin II immunoreactive nerve fibers within the subnuclei of the nucleus of the tractus solitarius of the rat. Kalia M, et al. **Brain Res** 1984 Oct 29; 321(1):71-82

Immunocytochemical evidence for the presence of oxytocin and neurophysin in the large cells of the bovine corpus luteum. Guldenaar SE, et al. **Cell Tissue Res** 1984; 237(2):349-52

Cooperative interactions in neurophysin-neuropeptide hormone complexes. Analytical affinity chromatography of native and covalently-modified neurophysins. Abercrombie DM, et al. **Int J Pept Protein Res** 1984 Sep; 24(3):218-32

Conformational preferences and binding to neurophysins of oxytocin analogs with sarcosine or N-methylalanine in position 7. Grzonka Z, et al. **Int J Pept Protein Res** 1985 Apr;25(4):375-81

High-performance liquid chromatography and studies of neurophysin-neurohypophysial hormone pathways. Chaiken IM, et al. **J Chromatogr** 1984 Dec 7;336(1):63-71

Comparative localization of neurons containing ovine corticotropin releasing factor (CRF)-like and neurophysin-like immunoreactivity in the diencephalon of the pigeon (Columba livia domestica). Péczely P, et al. **J Comp Neurol** 1984 Sep 1;228(1):69-80

Conversion and release of an intermediate in vasopressin-neurophysin biosynthesis in the guinea-pig. Jones PM, et al. **J Endocrinol** 1984 Dec;103(3):347-54

Neurophysin in the hypothalamo-neurohypophysial system. II. Immunocytochemical studies of the ontogeny of oxytocinergic and vasopressinergic neurons. Whitnall MH, et al. **J Neurosci** 1985 Jan;5(1):98-109

Vasopressin- and neurophysin-immunoreactive neurons in the septal region, medial amygdala and locus coeruleus in colchicine-treated rats. Sofroniew MV. **Neuroscience** 1985 Jun;15(2):347-58

Neuropeptides in aging and dementia. Joynt RJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:269-74

PHARMACODYNAMICS

Neurohypophyseal peptides maintain tolerance to the incoordinating effects of ethanol. Hoffman PL, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):535-43

PHYSIOLOGY

Non-neuronal cells of rat hypothalamus in dissociated cell culture. Evidence that neurophysin modulates growth and DNA synthesis of non-neuronal cells. Worley RT, et al. **Cell Tissue Res** 1984;237(1):161-8

SECRETION

Further studies of the secretory process in hypothalamo-neurohypophysial neurons: an analysis using immunocytochemistry, wheat germ agglutinin-peroxidase, and native peroxidase. Broadwell RD, et al. **J Comp Neurol** 1984 Sep 10;228(2):155-67

Evidence for the secretion of immunoreactive neurophysin I in addition to oxytocin from the ovary in cattle. Schams D, et al. **J Reprod Fertil** 1985 Jan;73(1):165-71

Release of human neurophysin I during insulin-induced hypoglycemia in depressed patients is abolished after recovery with clomipramine treatment. Geenen V, et al. **Psychoneuroendocrinology** 1985;10(1):61-9

NEUROPHYSIOLOGY

see related
SENSATION

Clinical neuro-physiology and rehabilitative functional microsurgery [editorial] Liberson WT. **Electromyogr Clin Neurophysiol** 1985 Mar-Apr; 25(2-3):83-6

The interface between biomechanics and neurophysiology in the study of movement: some recent approaches. Hasan Z, et al. **Exerc Sport Sci Rev** 1985;13:169-234 (181 ref.)

Methods of digital information processing in clinical neurophysiology. Künkel H, et al. **Methods Inf Med** 1985 Jan;24(1):1-4

Abstracts of the sixth annual conference of the Hong Kong Society of Neurosciences. Hong Kong, September 6-7, 1984. **Neurosci Lett [Suppl]** 1985;20:S1-52

[Neurostimulation: an instrument for research and therapy] Madrazo I, et al. **Gac Med Mex** 1985 Mar-Apr; 121(3-4):135-50 **(Spa)**

HISTORY

The multiple roles of Broca's discovery in the development of the modern neurosciences. Greenblatt SH. **Brain Cogn** 1984 Jul;3(3):249-58

J.E. Purkyně's contributions to the physiology of the visual, the vestibular and the oculomotor systems. Grüsser OJ. **Hum Neurobiol** 1984;3(3):129-44

E. Mach on the analysis of motion sensation. Henn V. **Hum Neurobiol** 1984;3(3):145-8

The historical roots and recurring issues of neurobiological studies of face perception. Jeeves MA. **Hum Neurobiol** 1984;3(4):191-6

Helmholtz on eye movements. Westheimer G. **Hum Neurobiol** 1984;3(3):149-52

Historical note on sleep and eye movements. Schiller F. **Sleep** 1984;7(3):199-201

INSTRUMENTATION

Amplitude discriminator for biological impulses. Klimaszewski A, et al. **Acta Neurobiol Exp (Warsz)** 1984; 44(3):147-9

On-line data acquisition system using an Apple computer: ISI and PST histograms. Cohen MS, et al. **Brain Res Bull** 1984 Jul;13(1):205-23

New 'micro push-pull' catheter system for localized perfusion of diminutive structures in brain. Myers RD, et al. **Brain Res Bull** 1985 May;14(5):477-83

Computer based instruments for laboratory environments. Stundel A, et al. **Brain Res Bull** 1984 Oct;13(4):601-8

A multichannel counter/timer interface for the acquisition of neuronal spike trains. DiCaprio RA, et al. **IEEE Trans Biomed Eng** 1985 May;32(5):345-7

Some neurobiological applications of the BBC Model B microcomputer and Unilab 8-bit interface. Cottrell GA, et al. **J Neurosci Methods** 1985 Mar;13(1):9-18

A stimulator for moving textured surfaces sinusoidally across the skin. Goodwin AW, et al. **J Neurosci Methods** 1985 Jul;14(2):121-5

A simple electronic unit allowing extracellular recording and stimulation through the same wire hook or suction electrode. Hatzopoulos A, et al. **J Neurosci Methods** 1984 Aug;11(3):169-72

A method for recording agonist-induced depolarizations in small autonomic ganglia. Loring RH. **J Neurosci Methods** 1985 Jan;12(3):241-8

A computerized system for the detection and analysis of spontaneously occurring synaptic potentials. Morales FR, et al. **J Neurosci Methods** 1985 Mar;13(1):19-35

Digital zero is not zero [letter] Raynauld JP. **J Neurosci Methods** 1984 Nov;12(1):91

An electronic device for accurate quantification of neuronal mass activity based on a digital integration method. Schmid K, et al. **J Neurosci Methods** 1984 Aug;11(3):159-67

Instruments for sorting neuroelectric data: a review. Schmidt EM. **J Neurosci Methods** 1984 Nov;12(1):1-24 (81 ref.)

Signal averaging by microcomputer using a program written in a high-level language. Simmons PJ. **J Neurosci Methods** 1985 Jan;12(3):235-40

A simple method for the construction of electrode arrays. Verloop AJ, et al. **J Neurosci Methods** 1984 Aug; 11(3):173-8

A baseline stabilizer for electrophysiology. Weinberg RJ, et al. **J Neurosci Methods** 1985 Jul;14(2):117-20

A technique for microiontophoretic study of single neurons in the freely moving rat. West MO, et al. **J Neurosci Methods** 1984 Aug;11(3):179-86

Detection and measurement of steady-state evoked potentials in real-time using a lock-in amplifier. Technical note. Schacham SE, et al. **J Neurosurg** 1985 Jun;62(6):935-8

Four-digit LSI counter and controller for neurobiology. Bartz JC, et al. **Med Biol Eng Comput** 1984 Nov;22(6):607-8

Neutral carrier sodium ion-selective microelectrode for extracellular studies. Ammann D, et al. **Neurosci Lett** 1985 Jun 24;57(3):267-71

Long-term recording of extracellular unitary spikes of the basal ganglia neurons in moving cats. Yoshida M, et al. **Neurosci Res** 1984 Aug;1(4):270-4

A simple device to aid impalement of cells using conventional microelectrode drives. Gutierrez O, et al. **Physiol Behav** 1984 Jun;32(6):1033-5

[Effect of recording system variables on auditory evoked potentials] Marullo T, et al. **Acta Otorhinolaryngol Ital** 1984;4 Suppl 3:67-74 **(Ita)**

[Equipment and methods for recording brain stem auditory evoked potentials] Morra B. **Acta Otorhinolaryngol Ital** 1984;4 Suppl 3:39-49 **(Ita)**

[Compact micromanipulator for the chronic extracellular recording of neuronal activity in restrained and freely moving animals] Korshunov VA. **Biol Nauki** 1984;(8):103-6 (Eng. Abstr.) **(Rus)**

[Suction electrode for conducting morphophysiologic studies on fine and short nerve trunks in vitro] Shuliakov OV. **Fiziol Zh SSSR** 1985 Jun;71(6):804-6 **(Rus)**

[Simple device for compensating for the stimulus artifact during stimulation and recording through a single microelectrode] Verbnyĭ IaI, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1571-3 **(Rus)**

[Head-holding chamber for gas anesthetization of white rats in a stereotaxic apparatus] Stepanov II, et al. **Zh Vyssh Nerv Deiat** 1984 Jul-Aug;34(4):880-1 **(Rus)**

METHODS

Real-time optical mapping of neuronal activity: from single growth cones to the intact mammalian brain. Grinvald A. **Annu Rev Neurosci** 1985;8:263-305 (96 ref.)

Applications of monoclonal antibodies to neuroscience research. Valentino KL, et al. **Annu Rev Neurosci** 1985; 8:199-232 (216 ref.)

Information trains. The technique and its uses in spike train and network analysis, with examples taken from the nucleus parabrachialis medialis during sleep-waking states. Frostig RD, et al. **Brain Res** 1984 Nov 19;322(1):67-74

A modified method for the simultaneous determination of regional single-transit brain extraction of diffusion-limited compounds and cerebral blood flow: utilization of non-invasive measurement of transit time. Kent TA, et al. **Brain Res** 1985 Jun 3;335(2):251-5

A rapid histological technique for localizing recording sites in single unit electrophysiological studies in vitro. Trulson ME, et al. **Brain Res Bull** 1984 Nov;13(5):685-7

The use of sensory evoked potentials in toxicology. Dyer RS. **Fundam Appl Toxicol** 1985 Feb;5(1):24-40 (87 ref.)

Face recognition within the reach of neurobiology and beyond it. Grüsser OJ. **Hum Neurobiol** 1984;3(4):183-90

A technique for chronic extracellular recording of neuronal activity in the dorsal horn of the lumbar spinal cord in drug-free, physiologically intact, cats. Collins JG. **J Neurosci Methods** 1985 Feb;12(4):277-87

A new method of monitoring membrane potential in rat hippocampal slices using cyanine voltage-sensitive dyes. Dasheiff RM. **J Neurosci Methods** 1985 May; 13(3-4):199-212

An inexpensive microcomputer-based image-analysis system: novel applications to quantitative autoradiography. Isseroff A, et al. **J Neurosci Methods** 1985 Feb;12(4):265-75

A simplified method for computerized densitometry of complex shapes in 2-deoxyglucose autoradiographs. Kauer JS, et al. **J Neurosci Methods** 1984 Aug;11(3):143-58

Software for electrophysiological experiments with a personal computer. Kegel DR, et al. **J Neurosci Methods** 1985 Feb;12(4):317-30

Software that detects and analyzes bioelectrical events by assessing the fit of modeled subintervals. Langdon RB. **J Neurosci Methods** 1985 Feb;12(4):331-41

A technique for microiontophoretic study of single neurones in the behaving monkey. Perrett DI, et al. **J Neurosci Methods** 1985 Feb;12(4):289-95

Computer separation of multi-unit neuroelectric data: a review. Schmidt EM. **J Neurosci Methods** 1984 Dec; 12(2):95-111 (66 ref.)

Microelectrode for measuring local cortical oxygen tension and blood flow in the same microareas of cat cortex. Yonekura M, et al. **Neurol Res** 1985 Jun;7(2):89-92

Simultaneous monitoring of voltammetric and ion-selective electrodes in mammalian brain. Nagy G, et al. **Neurosci Lett** 1985 Apr 9;55(2):119-24

Neuromagnetic studies of somatosensory system: principles and examples. Hari R, et al. **Prog Neurobiol** 1985; 24(3):233-56

NEWARK PUBLIC LIBRAR

[Measurement of loco-regional cerebral blood flow: an atraumatic method for neurophysiological study] Luft A, et al. **Agressologie** 1984 May;25(5):571–4 (Eng. Abstr.) (Fre)

[Use of focused ultrasound for local effects on deep brain structures] Adrianov OS, et al. **Fiziol Zh SSSR** 1984 Aug; 70(8):1157–66 (Eng. Abstr.) (Rus)

[Stereotaxic method in human neurophysiology] Anichkov AD. **Fiziol Zh SSSR** 1984 Jul;70(7):1057–61 (Rus)

[Membrane potential fixation using an oscillograph] Golubtsov KV, et al. **Fiziol Zh SSSR** 1985 Jun;71(6):796–7 (Rus)

[Method of increasing the the localness of measurements of the specific resistance of brain tissue] Riabov SI. **Fiziol Zh SSSR** 1984 Nov;70(11):1574–7 (Rus)

STANDARDS

Measurement error in visually scored electrophysiological data: respiration during sleep. Bliwise D, et al. **J Neurosci Methods** 1984 Nov;12(1):49–56

TRENDS

Enteric neurophysiology. Wood JD. **Am J Physiol** 1984 Dec; 247(6 Pt 1):G585–98 (104 ref.)

NEUROPSYCHOLOGICAL TESTS

Long-term effects of partial callosal lesions. Preliminary report. Oepen G, et al. **Acta Neurochir (Wien)** 1985; 77(1–2):22–8

A neuropsychological study of 12 patients with transient ischemic attacks before and after EC/IC bypass surgery. Nielsen H, et al. **Acta Neurol Scand** 1985 Apr;71(4):317–20

Experience in cognitive assessment in MS relevant to developing a simple rating system. Peyser JM. **Acta Neurol Scand [Suppl]** 1984;101:29–31

The Aachen Aphasia Test. Huber W, et al. **Adv Neurol** 1984; 42:291–303

Evaluation of myelographic contrast-medium tolerance with psychometric testing. Hammeke TA, et al. **AJNR** 1985 May–Jun;6(3):343–8

Clinical limitations of neuropsychological testing in predicting treatment outcome among alcoholics. Donovan DM, et al. **Alcoholism (NY)** 1984 Sep–Oct;8(5):470–5

Performance of Japanese and Japanese-American children on the Motor Accuracy-Revised and Design Copying Tests of the Southern California Sensory Integration Tests. Saeki K, et al. **Am J Occup Ther** 1985 Feb;39(2):103–9

Comparison of the effects of general and regional anesthesia for cesarean section on neonatal neurologic and adaptive capacity scores. Abboud TK, et al. **Anesth Analg** 1985 Oct; 64(10):996–1000

The neuropsychology of memory: new links between humans and experimental animals. Squire LR, et al. **Ann NY Acad Sci** 1985;444:137–49

Occult head injury: its incidence in spinal cord injury. Wilmot CB, et al. **Arch Phys Med Rehabil** 1985 Apr;66(4):227–31

Testing for memory disorder. Lawrence C. **Aust NZ J Psychiatry** 1984 Sep;18(3):207–10

Neuropsychological findings relating to Capgras syndrome. Morrison RL, et al. **Biol Psychiatry** 1984 Jul;19(7):1119–28

A multivariate analysis of psychological, clinical and CT scanning measures in detoxified chronic alcoholics. Acker W, et al. **Br J Addict** 1984 Sep;79(3):293–301

The assessment of memory impairment: the relationship between different methods of evaluating dysmnesic deficits. Knight RG, et al. **Br J Clin Psychol** 1985 Feb;24 (Pt 1):25–31

Therapists' views on the clinical usefulness of four aphasia tests. Beele KA, et al. **Br J Disord Commun** 1984 Sep; 19(2):169–78

Interpretation and use of the Luria-Nebraska Battery. Knippa J, et al. **Brain Cogn** 1984 Oct;3(4):343–8

Neuropsychological analysis of a case of crossed dysphasia verified at postmortem. Kapur N, et al. **Brain Lang** 1984 Sep;23(1):134–47

SES-related aspects of neuropsychological performance. Waber DP, et al. **Child Dev** 1984 Oct;55(5):1878–86

Ocular motility, visual acuity and dysfunction of neuropsychological impairment in children with shunted uncomplicated hydrocephalus. Zeiner HK, et al. **Childs Nerv Syst** 1985;1(2):115–22

Neuropsychological impairment after carotid endarterectomy correlates with intraoperative ischemia. Cushman L, et al. **Cortex** 1984 Sep;20(3):403–12

Investigation of everyday memory in normal subjects using the Subjective Memory Questionnaire (SMQ). McMillan TM. **Cortex** 1984 Sep;20(3):333–47

Psychological evaluation in dementia and depression. Johansen AM, et al. **Dan Med Bull** 1985 Feb;32 Suppl 1:60–2

Neuropsychological functions after carotid endarterectomy. Diener HC, et al. **Eur Arch Psychiatry Neurol Sci** 1984; 234(1):74–7

Neuropsychological changes associated with stenoses or occlusions of the carotid arteries. A comparative psychometric study. Hamster W, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(1):69–73

Asymptomatic large arachnoid cyst of the middle cranial fossa. A clinical and neuropsychological study. Gallassi R, et al. **Eur Neurol** 1985;24(2):140–4

Assessing the influence of confounding subject variables in neuropsychological research in alcoholism and related disorders. Alterman AI, et al. **Int J Neurosci** 1985 Apr; 26(1–2):75–84

Neuropsychological performance in Moya Moya disease: a case study. Bornstein RA. **Int J Neurosci** 1985 Apr; 26(1–2):39–46

Neuropsychological and electrophysiological examination of a patient with Wilson's disease. Bornstein RA, et al. **Int J Neurosci** 1985 May;26(3–4):239–47

Dementia in Parkinson's disease: possible specific involvement of the frontal lobes. Caltagirone C, et al. **Int J Neurosci** 1985 Apr;26(1–2):15–26

Sociocultural effects in neuropsychological assessment. Ostrosky-Solis F, et al. **Int J Neurosci** 1985 Jul; 27(1–2):53–66

Neuropsychological status of patients with congenital and rheumatic heart diseases: preoperative and postoperative comparison. Zuo CY, et al. **Int J Neurosci** 1985 Apr; 26(1–2):59–65

Aging, regional cerebral blood flow, and neuropsychological functioning. MacInnes WD, et al. **J Am Geriatr Soc** 1984 Oct;32(10):712–8

Effects of neonatal hyperbilirubinemia on Token Test performance of six-year-old children. Lenhardt ML. **J Aud Res** 1983 Jul;23(3):195–204

The effect of unilateral carotid endarterectomy on neuropsychological test performance in 53 patients. Bennion RS, et al. **J Cardiovasc Surg (Torino)** 1985 Jan–Feb;26(1):21–6

Analysis of covariance as a remedy for demographic mismatch of research subject groups: some sobering simulations. Adams KM, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):445–62

Effects of localized lesions on the Verbal Concept Attainment Test. Bornstein RA, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):421–9

Selective reminding test: an examination of the equivalence of four forms. Hannay HJ, et al. **J Clin Exp Neuropsychol** 1985 Jun;7(3):251–63

Recovery from aphasia following extracranial-intracranial bypass surgery: case report. Hart RP, et al. **J Clin Exp Neuropsychol** 1985 Jun;7(3):224–30

Identification of neuropsychological deficits in epilepsy using the Luria-Nebraska Neuropsychological Battery: a replication attempt. Hermann BP, et al. **J Clin Exp Neuropsychol** 1985 Jun;7(3):305–13

Statistical relationships and discriminative accuracy of the Halstead-Reitan, Luria-Nebraska, and Wechsler IQ scores in the identification of brain damage. Kane RL, et al. **J Clin Exp Neuropsychol** 1985 Jun;7(3):211–23

Utility of the Seashore Tonal Memory Test in neuropsychological assessment. Karzmark P, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):367–74

Neuropsychological impairment and behavioral limitations exhibited within an alcohol treatment program. Kupke T, et al. **J Clin Exp Neuropsychol** 1985 Jun;7(3):292–304

WAIS and neuropsychological tests: common and unique variance within an epileptic population. Kupke T, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):353–66

Construct validity of various memory testing procedures. Larrabee GJ, et al. **J Clin Exp Neuropsychol** 1985 Jun; 7(3):239–50

Relationship of neuropsychological status to everyday functioning in healthy and chronically ill persons. McSweeny AJ, et al. **J Clin Exp Neuropsychol** 1985 Jun; 7(3):281–91

Neuropsychological analysis of a case of reduplicative paramnesia. Patterson MB, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):111–21

Comparison of three short forms of the Category Test. Sherrill RE Jr. **J Clin Exp Neuropsychol** 1985 Jun; 7(3):231–8

Contribution of the TPT to adult neuropsychological assessment: a review. Thompson LL, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):430–44

Assessing children's copy productions of the Rey-Osterrieth Complex Figure. Waber DP, et al. **J Clin Exp Neuropsychol** 1985 Jun;7(3):264–80

An approach to analyzing a single subject's scores obtained in a standardized test with application to the Aachen Aphasia Test (AAT). Willmes K. **J Clin Exp Neuropsychol** 1985 Aug;7(4):331–52

Luria left in the lurch: unfulfilled promises are not valid tests. Adams KM. **J Clin Neuropsychol** 1984 Nov;6(4):455–8

Comparison of the Wisconsin Card Sorting Test and the Halstead Category Test. Bond JA, et al. **J Clin Psychol** 1984 Sep;40(5):1251–5

Age-related decrements in Stroop Color Test performance. Cohn NB, et al. **J Clin Psychol** 1984 Sep;40(5):1244–50

Older alcoholics: profile of decline. Hamblin DK, et al. **J Clin Psychol** 1984 Nov;40(6):1510–6

Validation of the Luria-Nebraska Intellectual Processes Scale as a measure of intelligence in male alcoholics. Kivlahan DR, et al. **J Clin Psychol** 1985 Mar;41(2):287–90

Word Finding Test performance: effects of localization of cerebral damage, level of neuropsychological impairment, age, and education. Pendleton MG, et al. **J Clin Psychol** 1985 Jan;41(1):82–5

Relationships between measures of brain functions and general intelligence. Reitan RM. **J Clin Psychol** 1985 Mar; 41(2):245–53

Psychological adjustment and neuropsychological performance in diabetic patients. Skenazy JA, et al. **J Clin Psychol** 1985 May;41(3):391–6

Are the rhythm tests of the Halstead-Reitan and Luria-Nebraska batteries differentially sensitive to right temporal lobe lesions? Steinmeyer CH. **J Clin Psychol** 1984 Nov;40(6):1464–6

The effectiveness of the Weigl Color-Form Sorting Test in screening for brain dysfunction. Tamkin AS, et al. **J Clin Psychol** 1984 Nov;40(6):1454–9

Age-related norms for the Hooper Visual Organization Test. Tamkin AS, et al. **J Clin Psychol** 1984 Nov;40(6):1459–63

The relationship of age to performance on the Luria-Nebraska Neuropsychological Battery. Vannieuwkirk RR, et al. **J Clin Psychol** 1985 Jul; 41(4):527–32

Neuropsychological findings in relapsing-remitting and chronic-progressive multiple sclerosis. Heaton RK, et al. **J Consult Clin Psychol** 1985 Feb;53(1):103–10

Localization and diagnosis in aphasia with the Luria-Nebraska Neuropsychological Battery. Mittenberg W, et al. **J Consult Clin Psychol** 1985 Jun;53(3):386–92

On the meaning of the WISC-R third factor: relations to selected neuropsychological measures. Ownby RL, et al. **J Consult Clin Psychol** 1985 Aug;53(4):531–4

Neurobehavioral approach to classification of psychiatric patients using a competency model. Townes BD, et al. **J Consult Clin Psychol** 1985 Feb;53(1):33–42

Neuropsychological functioning in children with immunodeficiency disorders. Gabel S, et al. **J Dev Behav Pediatr** 1985 Jun;6(3):154–6

Paired-associate learning and priming effects in amnesia: a neuropsychological study. Shimamura AP, et al. **J Exp Psychol [Gen]** 1984 Dec;113(4):556–70

Independence of recognition memory and priming effects: a neuropsychological analysis. Squire LR, et al. **J Exp Psychol [Learn Mem Cogn]** 1985 Jan;11(1):37–44

Neuropsychological performance of sexual assaulters and pedophiles. Scott ML, et al. **J Forensic Sci** 1984 Oct; 29(4):1114–8

Brain functioning and addiction: what neuropsychologic studies reveal. Robinson EL, et al. **J Med Assoc Ga** 1985 Feb;74(2):74–9

Cognitive impairment in patients with tardive dyskinesia. Myslobodsky MS, et al. **J Nerv Ment Dis** 1985 Mar; 173(3):156–60

Neuropsychological and computerized axial tomography volume characteristics of empirically derived dementia subgroups. Naugle RI, et al. **J Nerv Ment Dis** 1985 Oct; 173(10):596–604

Neuropsychological dysfunction in schizophrenia. Relation to associative thought disorder. Silverstein ML, et al. **J Nerv Ment Dis** 1985 Jun;173(6):341–6

Learning deficits in adolescents with anorexia nervosa. Witt ED, et al. **J Nerv Ment Dis** 1985 Mar;173(3):182–4

Neuropsychological evaluation in transient ischaemic attack and minor stroke. Sinatra MG, et al. **J Neurol** 1984; 231(4):194–7

Cerebral function before and after extra-intracranial carotid bypass. Drinkwater JE, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1041–3

Examining the relationship between computed tomography and neuropsychological measures in normal and demented elderly. Eslinger PJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1319–25

Spontaneous recovery of language in patients with aphasia between 4 and 34 weeks after stroke. Lendrem W, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):743–8

Neuropsychological evaluation of mild head injury [letter] McMillan TM. **J Neurol Neurosurg Psychiatry** 1985 Aug; 48(8):847–8

Residual complaints of patients two years after severe head injury. van Zomeren AH, et al. **J Neurol Neurosurg Psychiatry** 1985 Jan;48(1):21–8

Factors which influence neuropsychological recovery from severe head injury. Warren JB, et al. **J Neurosurg Nurs** 1984 Oct;16(5):248–52

Relationship of neuropsychological performance to primary alcoholism and self-reported symptoms of childhood minimal brain dysfunction. De Obaldia R, et al. **J Stud Alcohol** 1984 Sep;45(5):386–92

Derivation and validation of neuropsychological clusters among men alcoholics. Donovan DM, et al. **J Stud Alcohol** 1985 May;46(3):205–11

Effect of age, sex, drinking history and antisocial personality on neuropsychology of alcoholics. Hesselbrock MN, et al. **J Stud Alcohol** 1985 Jul;46(4):313–20

Neuropsychological test results are related to ratings of men alcoholics' therapeutic progress: a replicated study. Leber WR, et al. **J Stud Alcohol** 1985 Mar;46(2):116–21

Preliminary data on the presence of neuropsychological deficits in adults who are mentally retarded. McCaffrey RJ, et al. **Ment Retard** 1985 Apr;23(2):63–6

Autonomic recognition of names and faces in prosopagnosia: a neuropsychological application of the Guilty Knowledge Test. Bauer RM. **Neuropsychologia** 1984;22(4):457–69

Neuropsychological patterns of presenile and senile dementia of the Alzheimer type. Loring DW, et al. **Neuropsychologia** 1985;23(3):351–7

Neurobehavioral outcome after gunshot wounds to the head in adult civilians and children. Kaufman HH, et al. **Neurosurgery** 1985 Jun;16(6):754–8

Subtle neuropsychological deficits in patients with good recovery after closed head injury. Stuss DT, et al. **Neurosurgery** 1985 Jul;17(1):41–7

Neuropsychological sequelae of childhood cancer in long-term survivors. Copeland DR, et al. **Pediatrics** 1985 Apr;75(4):745–53

Cognitive deficits in adolescents who developed diabetes early in life. Ryan C, et al. **Pediatrics** 1985 May;75(5):921–7

Loss of intellectual function in children with phenylketonuria after relaxation of dietary phenylalanine restriction. Seashore MR, et al. **Pediatrics** 1985 Feb;75(2):226–32

Neuropsychological assessment of a case of early right hemiplegia: qualitative and quantitative analysis. Brizzolara D, et al. **Percept Mot Skills** 1984 Dec;59(3):1007–10

The Symbol Digit Modalities Test: a screening instrument for brain-damaged children. Lewandowski LJ. **Percept Mot Skills** 1984 Oct;59(2):615–8

Fingertip number-writing errors by psychiatric patients. Maxwell JK, et al. **Percept Mot Skills** 1984 Dec;59(3):933–4

The Trail Making Test and Canter Background Interference Procedure in screening for organicity in chronic schizophrenia: a preliminary report. Nadler IM, et al. **Percept Mot Skills** 1984 Oct;59(2):403–6

A follow-up study of cross-cultural validity of Developmental Test of Visual-motor Integration. Webb J. **Percept Mot Skills** 1985 Feb;60(1):167–73

Psychological and neuropsychological aspects of COPD. Greenberg GD, et al. **Psychosomatics** 1985 Jan;26(1):29–33

Minimal brain dysfunction and neuropsychological test performance in offspring of alcoholics. Hesselbrock VM, et al. **Recent Dev Alcohol** 1985;3:65–82

The Halstead-Reitan neuropsychological test battery. Description and application. Bergman H. **Scand J Work Environ Health** 1984;10 Suppl 1:30–2

Description of the tests in the London School of Hygiene test battery. Cherry N, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:18–9

Neuropsychological investigation with Luria's methods. Christensen AL. **Scand J Work Environ Health** 1984;10 Suppl 1:33–4

Test battery for investigating functional disorders--the TUFF battery. Ekberg K, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:14–7

Cognitive approaches to neuropsychological assessment. Ekberg K. **Scand J Work Environ Health** 1984;10 Suppl 1:36–8

Neuropsychological assessment in behavioral toxicology--developing techniques and interpretative issues. Lezak MD. **Scand J Work Environ Health** 1984;10 Suppl 1:25–9

Symptomatic and neuropsychological components of defect states. Bilder RM, et al. **Schizophr Bull** 1985;11(3):409–19

Thalamic hematomas: neuropsychological aspects. Report of 11 cases and review of literature. Hungerbühler JP, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 135(2):199–215

Cerebral angiography and neuropsychological measurement: the twain may meet. Baird AD, et al. **Surg Neurol** 1985 Jun;23(6):641–50

Neuropsychologic deficits associated with primary hyperparathyroidism. Numann PJ, et al. **Surgery** 1984 Dec; 96(6):1119–23

Neuropsychological testing and survey forms to indicate possible loss of neurological functioning. Laatsch LK, et al. **Z Kinderchir** 1984 Dec;39 Suppl 2:125–8

[Correlation of computer tomographic findings and psychologic test results in patients with craniocerebral injury] Maier C. **Fortschr Neurol Psychiatr** 1984 Oct; 52(10):346–51 (Eng. Abstr.) **(Ger)**

[Objectivity as a quality criterion in the control of development in maternal counseling] Zwiener K, et al. **Padiatr Grenzgeb** 1985;24(1):27–31 (Eng. Abstr.) **(Ger)**

[Concomitant neuropsychiatric symptoms in a case of Ehlers-Danlos syndrome] Fehlow P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Apr; 37(4):215–20 (Eng. Abstr.) **(Ger)**

[Psychometric studies on the specificity of psychological performance disorders of epileptic patients] Herzer H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jan; 37(1):1–10 (Eng. Abstr.) **(Ger)**

[Pediatric neuropsychiatric characteristics of behaviorally abnormal children] Kinze W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Oct; 36(10):618–20 (Eng. Abstr.) **(Ger)**

[Neuropsychological aspects of disorders of higher functions of the cerebral cortex in children with speech disorders] Raychev R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Nov; 36(11):639–48 (Eng. Abstr.) **(Ger)**

[Experiences with the Meyer-Probst encephalopathy questionnaire] Schier E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 May; 37(5):291–9 (Eng. Abstr.) **(Ger)**

[Primary brain tumors in psychiatry] Kocher R, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 135(2):217–27 (Eng. Abstr.) **(Ger)**

[Functional improvement of the aging brain: placebo controlled pharmaco-EEG and psychometric studies with a metabolically active hemoderivative (Actovegin)] Saletu B, et al. **Z Gerontol** 1984 Sep–Oct;17(5):271–9 (Eng. Abstr.) **(Ger)**

[The pattern of neuropsychologic compromise in patients with Parkinson disease] Caltagirone C, et al. **Schweiz Arch Neurol Psychiatr** 1985;136(3):7–23 (Eng. Abstr.) **(Ita)**

[Neuropsychological and electroencephalographic study on the West syndrome and the Lennox syndrome] Ichiba N, et al. **No To Hattatsu** 1984 Sep;16(5):341–50 (Eng. Abstr.) **(Jpn)**

[Usefulness of the 'token test' in the diagnosis of aphasia] Podemski R, et al. **Neurol Neurochir Pol** 1984 Nov–Dec; 18(6):547–51 (Eng. Abstr.) **(Pol)**

[Development of a Spanish scale for the evaluation of aphasia] Sánchez Bernardos ML, et al. **Arch Neurobiol (Madr)** 1985 Mar–Apr;48(2):59–70 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Comparison of the TPT 10 and 6 hole form board. Russell EW. **J Clin Psychol** 1985 Jan;41(1):68–81

A portable Halstead-Reitan Category Test. Slay DK. **J Clin Psychol** 1984 Jul;40(4):1023–7

A spatial arrangement memory testing unit. Boardman AK, et al. **J Med Eng Technol** 1984 Nov–Dec;8(6):264–6

Measurement of reaction time following minor head injury. MacFlynn G, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1326–31

The application of a programmable maze as a behavioural model in psychophysiology. Pögelt A, et al. **Z Psychol** 1984;192(3):307–18

METHODS

Screening for delirium on a general medical ward: the tachistoscope and a global accessibility rating. Anthony JC, et al. **Gen Hosp Psychiatry** 1985 Jan;7(1):36–42

Memory for recent U.S. presidents in patients with cerebral disease. Hamsher KD, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):1–13

Construction of matched verbal and design continuous paired associate tests. Newton NA, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):97–110

Relative accuracy of three automated systems for neuropsychological interpretation. Adams KM, et al. **J Clin Neuropsychol** 1984 Nov;6(4):413–31

Comparison of the decision-tree and standard methods of the Luria-Nebraska Neuropsychological Battery. Sweet JJ, et al. **J Consult Clin Psychol** 1985 Apr;53(2):185–8

Alterations in mentation: nursing assessment and intervention. Ozuna J. **J Neurosurg Nurs** 1985 Feb;17(1):66–70

A computer-administered neurobehavioral evaluation system for occupational and environmental epidemiology. Rationale, methodology, and pilot study results. Baker EL, et al. **J Occup Med** 1985 Mar;27(3):206–12

Neuropsychologic detection of abnormal mental decline in older persons. Eslinger PJ, et al. **JAMA** 1985 Feb 1; 253(5):670–4

Incidence and doubtful significance of nonstandard orientations in reproduction of the key from the Aphasia Screening Test. Dodrill CB. **Percept Mot Skills** 1985 Apr; 60(2):411–5

[Clinical experiences with the vertical writing test] Stoll W. **Laryngol Rhinol Otol (Stuttg)** 1984 Oct;63(10):517–20 (Eng. Abstr.) **(Ger)**

[Aphasia following left thalamic hemorrhage. A study by Western Aphasia Battery and single photon emission CT] Makishita H, et al. **Rinsho Shinkeigaku** 1984 Jul; 24(7):736–44 (Eng. Abstr.) **(Jpn)**

STANDARDS

Normative data for the Spreen-Benton Sentence Repetition Test: its relationship to age, intelligence, and memory. Vargo ME, et al. **Cortex** 1984 Dec;20(4):585–90

Factor structure and construct validity of the Denman Neuropsychology Memory Scale. Larrabee GJ, et al. **Int J Neurosci** 1985 May;26(3–4):269–76

Neuropsychological tests [letter] Baird AD, et al. **Neurosurgery** 1984 Oct;15(4):607–8

[Neuropsychological tests in the diagnosis of dementia] De Mol J. **Acta Psychiatr Belg** 1984 May–Jun;84(3):185–206 (65 ref.) (Eng. Abstr.) **(Fre)**

[Standardized monitoring of brain function] Zettler H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Oct; 36(10):604–11 (Eng. Abstr.) **(Ger)**

NEUROPSYCHOLOGY

[Neuropsychology and behavioral biology (editorial)] Eggers C. **Acta Paedopsychiatr (Basel)** 1984 Aug;50(2–3):75–7 **(Ger)**

HISTORY

The history of clinical neuropsychology: the role of some American pioneers. Goldstein G, et al. **Int J Neurosci** 1985 Jan;25(3–4):273–5

Aphasiology in the United States. Goodglass H. **Int J Neurosci** 1985 Jan;25(3–4):307–11

The Iowa Group. Hamsher KD. **Int J Neurosci** 1985 Jan; 25(3–4):295–305

The contributions of Ward Halstead, Ralph Reitan and their associates. Reed J. **Int J Neurosci** 1985 Jan;25(3–4):289–93

The influence of Hans-Lukas Teuber and the psychophysiological laboratory on the establishment and development of neuropsychology. Weinstein S. **Int J Neurosci** 1985 Jan;25(3–4):277–88

Henry Hecaen and the origins of the International Neuropsychological Symposium. Zangwill OL. **Neuropsychologia** 1984;22(6):813–5

[Presentation of the major clinical syndromes caused by focal involvement of the cerebral hemispheres and lesions of the corpus callosum. Historical information] **Rev Med Suisse Romande** 1984 Jul;104(7):477–91 **(Fre)**

[Unrecognized forerunners of neuropsychology] Bader A, et al. **Nervenarzt** 1985 Mar;56(3):134–9 **(Ger)**

[The psychoneurologic scientific school of Georgi Usunov (1904–1971)] Apostolov M. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jan;37(1):39–44 (Eng. Abstr.) **(Ger)**

METHODS

[Technics of experimental neuropsychology for studying cerebral dominance] **Rev Med Suisse Romande** 1984 Jul; 104(7):543–7 **(Fre)**

NEURORADIOGRAPHY

Cumulative index 1980–1984, Volumes 134–153. **Radiology** 1984;:1-777

[The flunitrazepam-phenoperidine combination in neuroradiology without intubation] Soret J. **Cah Anesthesiol** 1984 Dec;32(8 Suppl):41–5 **(Fre)**

EDUCATION

Sonography and neurodiagnosis (neurosonography). Quencer RM, et al. **AJNR** 1985 Jan–Feb;6(1):123–5

INSTRUMENTATION

Fabrication of microballoons for interventional neuroradiology: preliminary report. O'Reilly GV, et al. **AJNR** 1984 Sep–Oct;5(5):625–8

NEURORECEPTORS see **RECEPTORS, SENSORY**

NEUROREGULATOR RECEPTORS see **SYNAPTIC RECEPTORS**

NEUROREGULATORS

see related
SLOW-REACTING SUBSTANCES

Neuromodulatory roles of adenosine receptors coupling to the calcium channel and adenylate cyclase. Kuroda Y. **Adv Exp Med Biol** 1984;175:145–58 (25 ref.)

Adenosine as a neuromodulator. Snyder SH. **Annu Rev Neurosci** 1985;8:103–24 (83 ref.)

Electrophysiological evidence that nipecotic acid can be used in vivo as a false transmitter. Lerma J, et al. **Brain Res** 1985 Jun 3;335(2):377–80

Responses evoked by electrical stimulation, adenosine triphosphate, adenosine and 4-aminopyridine in taenia caeci of the guinea-pig. Den Hertog A, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):373–80

Evidence that ATP is involved as a co-transmitter in the hypogastric nerve supplying the seminal vesicle of the guinea-pig. Meldrum LA, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):363–6

Agonist radioligands for identifying functional neurotransmitter receptors. Introduction. Roeske WR. **Fed Proc** 1984 Oct;43(13):2765–6

Vasoactive intestinal peptide: a neurotransmitter for relaxation of the rabbit internal anal sphincter. Biancani P, et al. **Gastroenterology** 1985 Oct;89(4):867–74

Vasoactive intestinal peptide. Relaxant neurotransmitter in tenia coli of the guinea pig. Grider JR, et al. **Gastroenterology** 1985 Jul;89(1):36–42

Amino acid, ammonia and neurotransmitter concentrations in hepatic encephalopathy: serial analysis in plasma and cerebrospinal fluid during treatment with an adapted amino acid solution. Rössle M, et al. **Klin Wochenschr** 1984 Sep 17;62(18):867–75

Mechanism for heritability of intelligence [letter] Reed TE. **Nature** 1984 Oct 4–10;311(5985):417

Neuroregulators and the reinforcement of smoking: towards a biobehavioral explanation. Pomerleau OF, et al. **Neurosci Biobehav Rev** 1984 Winter;8(4):503–13 (174 ref.)

Evidence for a functional role of gangliosides in synaptic transmission: studies on rat brain striatal slices. Wieraszko A, et al. **Neurosci Lett** 1984 Nov 23;52(1–2):123–8

Abstracts of the Bayliss & Starling Society. National scientific meeting, 18th–19th December 1984, Guildford, Surrey, U.K. Respiratory peptides in the brain and in the gastrointestinal tract. **Regul Pept** 1984 Nov;9(4):317–58

ANALYSIS

Four biochemically different types of dominantly inherited olivopontocerebellar atrophy. Perry TL. **Adv Neurol** 1984; 41:205–16

Striatal and hypothalamic neurotransmitter changes during ethanol withdrawal in mice. Dar MS, et al. **Alcohol** 1984 Nov–Dec;1(6):453–8

Brain neurotransmitter abnormalities in neuronal intranuclear inclusion body disorder. Kish SJ, et al. **Ann Neurol** 1985 Apr;17(4):405–7

Distribution of cholecystokinin-like immunoreactivity in the nervous system. Co-existence with classical

NEWARK PUBLIC LIBRAR

neurotransmitters and other neuropeptides. Hökfelt T, et al. **Ann NY Acad Sci** 1985;448:255–74

Simultaneous quantitation of norepinephrine, dopamine and serotonin in brain during and following chronic naltrexone administration. Baron SA, et al. **Brain Res** 1985 Aug 5; 340(1):192–8

An evaluation of selected brain constituents as putative excitatory neurotransmitters. Luini A, et al. **Brain Res** 1984 Dec 24;324(2):271–7

Monoamine neurotransmitter metabolism in microencephalic rat brain after prenatal methylazoxymethanol treatment. Hallman H, et al. **Brain Res Bull** 1984 Sep;13(3):383–9

Cerebral cortex and amino acid neurotransmitters: higher levels of aspartic acid but not GABA in the frontal cortex of the rat. Peinado JM, et al. **Brain Res Bull** 1984 Jun; 12(6):625–7

Neurochemically specified subsystems in the basal ganglia. Graybiel AM. **Ciba Found Symp** 1984;107:114–49

Evidence for genetic influences on neurotransmitter content of identified neurones of Lymnaea stagnalis. Audesirk G, et al. **Comp Biochem Physiol** [C] 1985;81(1):57–60

Immunocytochemical localization of peptidergic neurons and neurosecretory cells in the neuro-endocrine system of the Colorado potato beetle with antisera to vertebrate regulatory peptides. Veenstra JA, et al. **Histochemistry** 1985;82(1):9–18

Correlation of fine structure with neurotransmitter levels in acute brain oedema in cats. Dave UP, et al. **Indian J Med Res** 1985 Mar;81:313–24

Identification of putative neurotransmitters in the lizard parietal eye. Engbretson GA, et al. **Invest Ophthalmol Vis Sci** 1985 May;26(5):670–8

Determination of neurotransmitter amino acids by high-performance liquid chromatography with fluorescence detection. Zecca L, et al. **J Chromatogr** 1985 Feb 8;337(2):391–6

Effects of two convulsant beta-carboline derivatives, DMCM and beta-CCM, on regional neurotransmitter amino acid levels and on in vitro D-[3H]aspartate release in rodents. Chapman AG, et al. **J Neurochem** 1985 Aug;45(2):370–81

Biological markers in mental disorders: post-mortem studies. Rossor M. **J Psychiatr Res** 1984;18(4):457–65 (54 ref.)

Burn trauma induces anorexia and aberrations in CNS amine neurotransmitters. Chance WT, et al. **J Trauma** 1985 Jun; 25(6):501–7

Central neurotransmitter effects of organotin compounds: trials, tribulations and observations. Hanin I, et al. **Neurotoxicology (Park Forest Il)** 1984 Summer;5(2):267–77

Changes in neurotransmitter amino acids and protein in CNS areas of mice subjected to differential housing conditions. Cordoba F, et al. **Pharmacol Biochem Behav** 1984 Sep; 21(3):349–52

N-Acetylaspartylglutamate: possible role as the neurotransmitter of the lateral olfactory tract. Ffrench-Mullen JM, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3897–900

[The relationship between daphnetin analgesia and central neurotransmitters of monoamines] Jiang Y, et al. **Yao Hsueh Hsueh Pao** 1984 Sep;19(9):647–50 (Eng. Abstr.) **(Chi)**

[Neurochemical and histofluorescent studies on brain maturation in experimental microcephaly] Yamasaki S. **No To Hattatsu** 1985 Jan;17(1):50–8 (Eng. Abstr.) **(Jpn)**

[Biochemical analysis of neurotransmitters in temporal lobe and limbic system of post-mortem brains from schizophrenic patients] Toru M, et al. **Seishin Shinkeigaku Zasshi** 1984;86(10):827–40 (Eng. Abstr.) **(Jpn)**

[Distributions and functions of neurotransmitters and their related enzymes in individual brain nuclei] Uchimura H, et al. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1353–63 (22 ref.) **(Jpn)**

[A new tool in neurochemistry--quantitative autoradiography of receptors] Skangiel-Kramska J. **Postepy Biochem** 1983;29(3–4):393–5 **(Pol)**

[Nerve cells can have more than one signal substance: coexistence of classical transmitters and peptides] Hökfelt T, et al. **Lakartidningen** 1984 Dec 26;81(52):4933–9 **(Swe)**

ANTAGONISTS & INHIBITORS

Possible therapeutic applications of antagonists of excitatory amino acid neurotransmitters. Meldrum B. **Clin Sci** 1985 Feb;68(2):113–22 (135 ref.)

Is tyramine a specific inhibitor of proctolin? Dunbar SJ, et al. **Comp Biochem Physiol** [C] 1984;79(2):413–6

Neurotropic drugs and brain development: effects on cell replication in vivo and in vitro. Patel AJ. **Prog Clin Biol Res** 1985;163C:301–5

[Regulation of tetanus toxin-inhibited transmitter secretion in the neuromuscular junction in a calcium-free medium] Kryzhanovskii GN, et al. **Biull Eksp Biol Med** 1985 Apr; 99(4):407–9 (Eng. Abstr.) **(Rus)**

[The neurotransmitter inhibitor GABA, the basis of the mechanism of action of several drugs affecting the central nervous system] Rodriguez-Trelles FA. **An R Acad Nac Med (Madr)** 1984;101(4):431–52 (49 ref.) **(Spa)**

BIOSYNTHESIS

Genomic and phenotypic expression of autonomic neurons. Joh TH. **Adv Exp Med Biol** 1984;181:43–9

Role of calmodulin in neurotransmitter synthesis. Fujisawa H, et al. **Fed Proc** 1984 Dec;43(15):3011–4

Genes for neurotransmitter synthesis, storage, and uptake. Joh TH, et al. **Fed Proc** 1985 Sep;44(12):2773–9

Characterization of tissue-derived macromolecules affecting transmitter synthesis in rat spinal cord neurons. Kaufman LM, et al. **J Neurosci** 1985 Jan;5(1):160–6

Partial lesions of the nigrostriatal pathway in the rat. Acceleration of transmitter synthesis and release of surviving dopaminergic neurones by drugs. Hefti F, et al. **Neuropharmacology** 1985 Jan;24(1):19–23

[Significance of protein phosphorylation in regulation of neurotransmitter biosynthesis] Okuno S, et al. **Seikagaku** 1984 Nov;56(11):1380–9 (62 ref.) **(Jpn)**

BLOOD

Clinical picture and neurotransmitter activity during long-term simulation of some space flight factors. Krupina TN, et al. **Neurosci Behav Physiol** 1984 Nov–Dec; 14(6):484–9

[Nature of neurohumoral correlation in the postresuscitation period] Bazarevich GIa, et al. **Patol Fiziol Eksp Ter** 1985 Jan–Feb;(1):28–31 (Eng. Abstr.) **(Rus)**

[Hemodynamic and neurohumoral factors in pulmonary edema in patients with acute myocardial infarction] Shustval' NF. **Vrach Delo** 1985 Jun;(6):1–5 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

CSF levels of neurotransmitters in Alzheimer-type dementia. Effects of ergoloid mesylate. Seeldrayers P, et al. **Acta Neurol Scand** 1985 May;71(5):411–4

Cerebrospinal fluid and plasma monoamines and their metabolites in euthymic bipolar patients. Berrettini WH, et al. **Biol Psychiatry** 1985 Mar;20(3):257–69

Determination of neurotransmitter systems in human cerebrospinal fluid and rat nervous tissue by high-performance liquid chromatography with on-line data evaluation. Honegger CG, et al. **J Chromatogr** 1984 Jul 13;309(1):53–61

Putative amino acid transmitters in lumbar cerebrospinal fluid of patients with histologically verified Alzheimer's dementia. Smith CC, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):469–71

Monoamine metabolites in human cerebrospinal fluid: indicators of neuronal activity? Scheinin M. **Med Biol** 1985; 63(1):1–17 (237 ref.)

Cerebrospinal fluid neurotransmitter metabolites in neurologically normal infants and children. Langlais PJ, et al. **Pediatrics** 1985 Mar;75(3):580–6

ISOLATION & PURIFICATION

[Isolation of a peptide initiating burst activity in an identified neuron of Helix pomatia] Osipenko ON. **Neirofiziologiia** 1984;16(4):488–92 (Eng. Abstr.) **(Rus)**

METABOLISM

The citalopram/5-HTP-induced head shake syndrome is correlated to 5-HT2 receptor affinity and also influenced by other transmitters. Arnt J, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Nov;55(5):363–72

Modulation of the release of noradrenaline and of noncholinergic, nonadrenergic inhibitory neurotransmitter through presynaptic N-cholinergic receptors by means of depolarizing agents in cat internal anal sphincter. Todorov L, et al. **Acta Physiol Pharmacol Bulg** 1984;10(2):42–52

Is histamine a neurotransmitter in the gut? Evidence from histidine decarboxylase immunocytochemistry. Ekblad E, et al. **Acta Physiol Scand** 1985 Feb;123(2):225–7

Immunocytochemical studies of somatostatin neurons in brain. Elde R, et al. **Adv Exp Med Biol** 1985;188:167–81

Genotypic variations in ethanol effect on striatal and hippocampal transmitter interactions. Kempf E, et al. **Alcohol** 1985 Mar–Apr;2(2):230–7

Relationship between central nervous system hydrogen ion regulation and amino acid metabolism in hypercapnia, II. Hoop B, et al. **Am Rev Respir Dis** 1985 Aug;132(2):248–53

Delta 1-pyrroline-5-carboxylate dehydrogenase, a possible regulatory enzyme in transmitter glutamic acid metabolism--a preliminary report. Wong PT, et al. **Ann Acad Med Singapore** 1985 Jan;14(1):143–6

Membrane-related effects of atypical antidepressants. Valdman AV, et al. **Ann Ist Super Sanita** 1984;20(1):65–72

Transmitter release at the mouse neuromuscular junction stimulated by cadmium ions. Nishimura M, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):106–21

Effect of 1-(2-ethoxyethyl)-2-(4-methyl-1-homopiperazinyl)-benzizole difumarate (KB-2413), a new antiallergic, on chemical mediators. Fukuda T, et al. **Arzneimittelforsch** 1984; 34(7):801–5

Influence of supidimide on brain neurotransmitter systems of rats and mice. Hennies HH, et al. **Arzneimittelforsch** 1984;34(11):1471–80

The metabolism of neuropeptides. The hydrolysis of peptides, including enkephalins, tachykinins and their analogues, by endopeptidase-24.11. Matsas R, et al. **Biochem J** 1984 Oct 15;223(2):433–40

Release of D-[3H]aspartic acid from the rat striatum. Effect of veratridine-evoked depolarization, fronto-parietal cortex ablation, and striatal lesions with kainic acid. Arqueros L, et al. **Biochem Pharmacol** 1985 Apr 15; 34(8):1217–24

Monoamine metabolites: their relationship and lack of relationship to monoaminergic neuronal activity. Commissiong JW. **Biochem Pharmacol** 1985 Apr 15; 34(8):1127–31

Interaction of phenothiazine drugs with human ceruloplasmin. Relation between activation of catecholamine neurotransmitter oxidation and electron donating ability of phenothiazine drugs. de Mol NJ. **Biochem Pharmacol** 1985 Aug 1;34(15):2605–9

Inescapable shock, neurotransmitters, and addiction to trauma: toward a psychobiology of post traumatic stress. van der Kolk B, et al. **Biol Psychiatry** 1985 Mar; 20(3):314–25

Effect of the endogenous analgesic dipeptide, kyotorphin, on transmitter release in sympathetic ganglia. Hirai K, et al. **Br J Pharmacol** 1985 Jul;85(3):629–34

The mechanism of the inhibitory action of adrenaline on transmitter release in bullfrog sympathetic ganglia: independence of cyclic AMP and calcium ions. Kato E, et al. **Br J Pharmacol** 1985 Feb;84(2):435–43

Transmitter release modulated by alpha-adrenoceptor antagonists in the rabbit mesenteric artery: a comparison between noradrenaline outflow and electrical activity. Mishima S, et al. **Br J Pharmacol** 1984 Oct;83(2):537–47

Morphologic and neurochemical studies of embryonic brain development in murine trisomy 16. Singer HS, et al. **Brain Res** 1984 Aug;317(2):155–66

A method for specific transmitter identification of retrogradely labeled neurons: immunofluorescence combined with fluorescence tracing. Skirboll L, et al. **Brain Res** 1984 Dec;320(2–3):99–127

Interpeduncular nucleus organization in the rat: cytoarchitecture and histochemical analysis. Hemmendinger LM, et al. **Brain Res Bull** 1984 Jul; 13(1):163–79

Amines and other transmitter-like compounds in the bovine area postrema. Leslie RA, et al. **Brain Res Bull** 1984 Sep; 13(3):357–62

Distribution of galanin-like immunoreactivity in the gastro-intestinal tract of several mammalian species. Melander T, et al. **Cell Tissue Res** 1985;239(2):253–70

Non-vascular central nervous system effects of calcium entry blockers. Govoni S, et al. **Cephalalgia** 1985 May;5 Suppl 2:115–8

Biochemical effects of cerebral ischemia: relevance to migraine. Welch KM, et al. **Cephalalgia** 1985 May;5 Suppl 2:35–42

Differences in lithium effects in depressed and healthy subjects. Rudorfer MV, et al. **Clin Pharmacol Ther** 1985 Jan;37(1):66–71

Neurotransmitters and neurodegenerative disorders. Kanazawa I. **Clin Ther** 1984;7 Spec No:48–58

Neurotransmitters in dementia. Nakamura S, et al. **Clin Ther** 1984;7 Spec No:18–34

Comparative quantitative aspects of putative neurotransmitters in the central nervous system of spiders (Arachnida: Araneida). Meyer W, et al. **Comp Biochem Physiol** [C] 1984;78(2):357–62

Effects of foods and nutrients on brain neurotransmitters. Wurtman RJ. **Curr Concepts Nutr** 1984;13:103–12 (33 ref.)

Neurotransmitters in the brains of patients with dementia disorders. Gottfries CG. **Dan Med Bull** 1985 Feb;32 Suppl 1:44–8

A review of neuropathological and neurochemical correlates of Alzheimer's disease. Perry EK, et al. **Dan Med Bull** 1985 Feb;32 Suppl 1:27–34

Regulation of enzymes responsible for neurotransmitter synthesis and degradation in cultured rat sympathetic neurons. III. Effects of sodium butyrate. Swerts JP, et al. **Dev Biol** 1984 Dec;106(2):282–8

Neurotransmitter precursors and metabolites in CSF of human neonates. Anderson GM, et al. **Dev Med Child Neurol** 1985 Apr;27(2):207–14

Biochemical indices of neuronal development in experimental phenylketonuria: high affinity transport systems and gangliosides. Loo YH, et al. **Dev Neurosci** 1983–84; 6(4–5):235–45

Influence of felodipine and verapamil on the sympathetic transmitter release and on the pre- and post-junctional effects of exogenous noradrenaline in the perfused rat kidney. Peter EJ, et al. **Drugs** 1985;29 Suppl 2:198–204

Inhibition of quantal transmitter release by the polycationic ligand cationized ferritin. Publicover SJ. **Exp Brain Res** 1985;59(3):629–32

Acetylcholine and aromatic amine systems in postmortem brain of an infant with Down's syndrome. McGeer EG, et al. **Exp Neurol** 1985 Mar;87(3):557–70

Amino acid neurotransmitters in the CNS: effect of thiopental. Pastuszko A, et al. **FEBS Lett** 1984 Nov 19; 177(2):249–54

Phorbol ester and calcium act synergistically to enhance neurotransmitter release by brain neurons in culture. Zurgil N, et al. **FEBS Lett** 1985 Jun 17;185(2):257–61

General anaesthetics: effects on transmitter release. Wali FA. **Gen Pharmacol** 1985;16(1):7–11 (63 ref.)

Circadian variations of neurotransmitter binding in three age groups of rats. Jenni-Eiermann S, et al. **Gerontology** 1985; 31(3):138–49

Studies on neurotransmitter binding in senile dementia. Comparison of Alzheimer's and mixed vascular-Alzheimer's dementias. Jenni-Eiermann S, et al. **Gerontology** 1984;30(6):350-8

Variations in monoamine contents in discrete brain regions and their concomitance with plasma corticosteroids during the day. Aldegunde M, et al. **Int J Neurosci** 1984 Nov; 24(3-4):233-8

Sex differences in biological factors putatively related to depression. Halbreich U, et al. **J Affective Disord** 1984 Dec; 7(3-4):223-33

Fine structure of peptidergic and catecholaminergic nerve fibers in the anterior cerebral artery and their interrelationship: an immunoelectron microscopic study. Matsuyama T, et al. **J Comp Neurol** 1985 May 8; 235(2):268-76

Immunohistochemical demonstration of some putative neurotransmitters in the lamprey spinal cord and spinal ganglia: 5-hydroxytryptamine-, tachykinin-, and neuropeptide-Y-immunoreactive neurons and fibers. Van Dongen PA, et al. **J Comp Neurol** 1985 Apr 22; 234(4):501-22

In vitro differentiation of neuronal precursor cells from amphibian late gastrulae; morphological, immunocytochemical studies, biosynthesis, accumulation and uptake of neurotransmitters. Duprat AM, et al. **J Embryol Exp Morphol** 1985 Apr;86:71-87

Distribution of aminergic neurons in the brain of the sterlet, Acipenser ruthenus (Chondrostei, Actinopterygii). Kotrschal K, et al. **J Hirnforsch** 1985;26(1):65-72

Pathological evidence for neurotransmitter deficits in Down's syndrome of middle age. Mann DM, et al. **J Ment Defic Res** 1985 Jun;29 (Pt 2):125-35

The effect of acute ethanol on dopamine metabolism and other neurotransmitters in the hypothalamus and the corpus striatum of mice. Saeed Dar M, et al. **J Neural Transm** 1984;60(3-4):283-94

Composite technique for regional neurochemical studies: measurement of energy and neurotransmitter metabolites in single tissue sample. Djuricic BM, et al. **J Neurochem** 1985 Jun;44(6):1920-4

Some long-lasting neurochemical effects of prenatal or early postnatal exposure to diazepam. Frieder B, et al. **J Neurochem** 1985 Jul;45(1):37-42

beta-N-Oxalylamino-L-alanine: action on high-affinity transport of neurotransmitters in rat brain and spinal cord synaptosomes. Ross SM, et al. **J Neurochem** 1985 Mar; 44(3):886-92

High-affinity uptake of neurotransmitters in rat neostriatum: effects of aging. Strong R, et al. **J Neurochem** 1984 Dec; 43(6):1766-8

Effects of changes in motor unit size on transmitter release at the frog neuromuscular junction. Herrera AA, et al. **J Neurosci** 1985 Jul;5(7):1896-900

Receptor autoradiography in thoracic spinal cord: correlation of neurotransmitter binding sites with sympathoadrenal neurons. Seybold VS, et al. **J Neurosci** 1984 Oct; 4(10):2533-42

Expression of noradrenergic and cholinergic traits by sympathetic neurons cultured without serum. Wolinsky EJ, et al. **J Neurosci** 1985 Jun;5(6):1497-508

Adaptation of rats to diets containing different levels of protein: effects on food intake, plasma and brain amino acid concentrations and brain neurotransmitter metabolism. Peters JC, et al. **J Nutr** 1985 Mar;115(3):382-98

Neurochemical and activity changes in rats infected with Trypanosoma brucei gambiense. Stibbs HH. **J Parasitol** 1984 Jun;70(3):428-32

Is there a functional linkage between neurotransmitter uptake mechanisms and presynaptic receptors? Raiteri M, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):671-7

Botulinum neurotoxin and dendrotoxin as probes for studies on transmitter release. Dolly JO, et al. **J Physiol (Paris)** 1984;79(4):280-303

Facilitation of transmitter release by neurotoxins from snake venoms. Harvey AL, et al. **J Physiol (Paris)** 1984; 79(4):222-7

Alpha latrotoxin of black widow spider venom: an interesting neurotoxin and a tool for investigating the process of neurotransmitter release. Scheer H, et al. **J Physiol (Paris)** 1984;79(4):216-21 (35 ref.)

Transmitter release in botulinum-poisoned muscles. Thesleff S. **J Physiol (Paris)** 1984;79(4):192-5 (28 ref.)

Brain neurotransmitter profile is deranged during sepsis and septic encephalopathy in the rat. Freund HR, et al. **J Surg Res** 1985 Mar;38(3):267-71

Neurotransmitter release and vascular reactivity in spontaneously hypertensive rats. Tsuda K, et al. **Jpn Circ J** 1984 Nov;48(11):1263-9

The role of sialic acid in the nerve terminal for the release of transmitter. Nishimura M, et al. **Life Sci** 1984 Dec 10; 35(24):2435-41

Undernutrition and the development of brain neurotransmitter systems. Wiggins RC, et al. **Life Sci** 1984 Nov 19;35(21):2085-94 (58 ref.)

Striatal neurochemical changes and motor dysfunction in mipafox-treated animals. Matin MA, et al. **Methods Find Exp Clin Pharmacol** 1985 Feb;7(2):79-81

Pertussis toxin reverses adenosine inhibition of neuronal glutamate release. Dolphin AC, et al. **Nature** 1985 Jul 11-17;316(6024):148-50

The saturability of a site of loss and the degree of supersensitivity to agonists which are substrates of this site of loss. Guimarães S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar; 329(1):30-5

Regional changes in monoamine metabolism in the aging constant estrous rat. Simpkins JW. **Neurobiol Aging** 1984 Winter;5(4):309-13

Effects of advancing age on hypothalamic neurotransmitter content and on basal and norepinephrine-stimulated LHRH release. Steger RW, et al. **Neurobiol Aging** 1985 Summer; 6(2):113-6

Transport of monoamine and amino acid neurotransmitters by primary astroglial cultures. Hansson E. **Neurochem Res** 1985 May;10(5):667-75

Selective alteration of neurotransmitter release by low oxygen in vitro. Hirsch JA, et al. **Neurochem Res** 1984 Aug;9(8):1039-49

Symmetrical distribution of amino acid neurotransmitters in the right and left cerebral cortex of the rat. Mora F, et al. **Neurochem Res** 1984 Aug;9(8):1109-15

Inhibition of synaptosomal uptake of amino acid transmitters by diamines. Strain GM, et al. **Neuropharmacology** 1984 Aug;23(8):971-5

Activity-wheel stress: effects on brain monoamines and the pituitary-gonadal axis. Hellhammer DH, et al. **Neuropsychobiology** 1984;11(4):251-4

Selective retrograde labeling in some afferents to the rabbit lateral geniculate nucleus following injections of tritiated neurotransmitter-related compounds. Matute C, et al. **Neurosci Lett** 1985 Jan 7;53(1):9-14

Simultaneous monitoring of voltammetric and ion-selective electrodes in mammalian brain. Nagy G, et al. **Neurosci Lett** 1985 Apr 9;55(2):119-24

Models for transmitter activation process in retinal rod outer segments to flash stimuli. Ichikawa K. **Neurosci Res** 1985 Jun;2(5):349-64

The suprachiasmatic nucleus of the golden hamster: immunohistochemical analysis of cell and fiber distribution. Card JP, et al. **Neuroscience** 1984 Oct;13(2):415-31

Neuropharmacology of the dorsal root entry zone. Blumenkopf B. **Neurosurgery** 1984 Dec;15(6):900-3

Effects of early lead exposure on neurotransmitter systems in the brain. A review with commentary. Shellenberger MK. **Neurotoxicology (Park Forest Il)** 1984 Fall; 5(3):177-212

Neurotransmission and the experience of low back pain; no association between CSF monoamine metabolites and pain. Hyyppä MT, et al. **Pain** 1985 Jan;21(1):57-65

Mating behavior and brain biogenic amine concentrations in chickens treated with parachlorophenylalanine (PCPA). Balander RJ, et al. **Physiol Behav** 1984 Apr;32(4):603-7

Age-related changes in pavlovian conditioning: central nervous system correlates. Powell DA, et al. **Physiol Behav** 1984 Apr;32(4):609-16

Ginseng saponins: influence on neurotransmitter uptake in rat brain synaptosomes. Tsang D, et al. **Planta Med** 1985 Jun;(3):221-4

Sympathetic neuron density differentially regulates transmitter phenotypic expression in culture. Adler JE, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4296-300

Phorbol ester effects on neurotransmission: interaction with neurotransmitters and calcium in smooth muscle. Baraban JM, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):604-7

Peripheral models for the study of neurotransmitter receptors in man. Stahl SM. **Psychopharmacol Bull** 1985;21(3):663-71

Alzheimer's disease and senile dementia: biochemical characteristics and aspects of treatment. Gottfries CG. **Psychopharmacology (Berlin)** 1985;86(3):245-52 (56 ref.)

Tardive dyskinesia: nondopaminergic treatment approaches. Casey DE. **Psychopharmacology [Suppl]** 1985;2:137-44

Glutamine-induced alterations in the content of brain amino acid neurotransmitters in rats with different alcohol motivation. Ostrovsky SYu. **Subst Alcohol Actions Misuse** 1984;5(5):247-53

Central monoamines and the death process time (antemortem time) during asphyxia. An experimental study in the mouse brain. Yoshimoto K, et al. **Z Rechtsmed** 1984;93(3):211-8

[Ion channels and neurotransmission] Akerman KE, et al. **Duodecim** 1985;101(3):353-62 **(Fin)**

[Possible functional significance of the simultaneous release of several putative neurotransmitters by the same neuron] Cesselin F, et al. **Ann Endocrinol (Paris)** 1984;45(3):207-13 (59 ref.) (Eng. Abstr.) **(Fre)**

[Coexistence of peptides and classical neurotransmitters] Pelletier G. **Ann Endocrinol (Paris)** 1984;45(3):173-4 **(Fre)**

[Physiopathology of schizophrenia. Some biologic aspects] Tissot R. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 135(1):29-40 **(Fre)**

[Neuroendocrinologic and endocrinologic research in depressive patients] Holsboer F, et al. **Nervenarzt** 1985 Jan; 56(1):1-11 **(Ger)**

[A biochemical theory of schizophrenia] Kornhuber HH, et al. **Nervenarzt** 1984 Nov;55(11):602-6 (Eng. Abstr.) **(Ger)**

[Changes of neurotransmitter, lipid peroxide and their metabolic related enzyme activities in the brain of rats exposed to noise and vitamin E] Sakuma N. **Hokkaido Igaku Zasshi** 1984 Sep;59(5):549-85 (Eng. Abstr.) **(Jpn)**

[Dementia and neurotransmitters] Ishii T. **Nippon Rinsho** 1984 Apr;42(4):902-6 (32 ref.) **(Jpn)**

[Autonomic neuropathy of the peripheral nerves] Takahashi K. **Nippon Rinsho** 1984 Apr;42(4):850-4 **(Jpn)**

[Neurochemical study of the temporary cerebral ischemic rats produced by bilateral vertebral and carotid artery occlusion] Take Y, et al. **Nippon Yakurigaku Zasshi** 1984 Dec;84(6):485-98 (Eng. Abstr.) **(Jpn)**

[Biochemical studies of depression] **Seishin Shinkeigaku Zasshi** 1984;86(8):646-67 **(Jpn)**

[Neurotransmitters and neuropeptides in schizophrenia] Toru M, et al. **Tanpakushitsu Kakusan Koso** 1984 Dec; 29(14):1838-54 (150 ref.) **(Jpn)**

[Features of the mediator reaction in patients with tumors of the sella-diencephalic region in the early postoperative period] Usvatova IIa, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):49-53 (Eng. Abstr.) **(Rus)**

[Localization of biogenic monoamines in the dura mater of the rat brain] Motavkin PA, et al. **Arkh Anat Gistol Embriol** 1985 May;88(5):11-6 (Eng. Abstr.) **(Rus)**

[Inherent morphofunctional effects of experimental procedures in studying the mechanism of transmitter release] Nikulin VG, et al. **Biull Eksp Biol Med** 1985 Mar; 99(3):373-6 (Eng. Abstr.) **(Rus)**

[Lithium valproate: its neuropharmacological spectrum and effect on transmitter amino acid content of the brain of rats] Kharlamov AN, et al. **Farmakol Toksikol** 1984 Sep-Oct;47(5):11-5 (Eng. Abstr.) **(Rus)**

[Neurotransmitters in Huntington chorea (review)] Barkhatova VP, et al. **Zh Nevropatol Psikhiatr** 1985; 85(3):444-50 (99 ref.) **(Rus)**

PHARMACODYNAMICS

Accumulation of inositol phosphates in sympathetic ganglia. Effects of depolarization and of amine and peptide neurotransmitters. Bone EA, et al. **Biochem J** 1985 Apr 1;227(1):263-9

Neurotransmitter-induced modulation of neuronal Ca current is not mediated by intracellular Ca2+ or cAMP. Akopyan AR, et al. **Brain Res** 1985 Feb 4;326(1):145-8

Intracellular Ca2+ elevation induced by a neurotransmitter in a glial cell clone. Sugino H, et al. **Brain Res** 1984 Nov 19;322(1):127-30

Effects of neurotransmitters and vagus nerve stimulation on diencephalic and mesencephalic neuronal activity. Barone FC, et al. **Brain Res Bull** 1984 Oct;13(4):565-71

Motor and behavioural effects induced by putative neurotransmitter injection into the optic lobe of the cuttlefish, Sepia officinalis. Chichery R, et al. **Comp Biochem Physiol [C]** 1985;80(2):415-9

The effects of putative amino acid neurotransmitters on somata isolated from neurons of the locust central nervous system. Giles D, et al. **Comp Biochem Physiol [C]** 1985; 80(2):231-6

The effects of some putative transmitters and biogenic amines on uropod abductor muscle in the crayfish Procambarus clarkii and Cambaroides japonicus. Yoshino M, et al. **Comp Biochem Physiol [C]** 1984;78(2):289-93

Comparison of the contractile effects of an extract of Ginkgo biloba and some neurotransmitters on rabbit isolated vena cava. Hellegouarch A, et al. **Gen Pharmacol** 1985; 16(2):129-32

Insect cardioactive peptides. II. Neurohormonal control of heart activity by two cardioacceleratory peptides in the tobacco hawkmoth, Manduca sexta. Tublitz NJ, et al. **J Exp Biol** 1985 Jan;114:381-95

Modulation of macrophage-mediated tumoricidal activity by neuropeptides and neurohormones. Koff WC, et al. **J Immunol** 1985 Jul;135(1):350-4

Inhibitors of metalloendoprotease activity prevent K+-stimulated neurotransmitter release from the retina of Xenopus laevis. Frederick JM, et al. **J Neurosci** 1984 Dec; 4(12):3112-9

Excitatory effect of amino acids on identified neuron R14 of Aplysia. II. Neutral amino acids and structure-activity relationships. Ichinose M, et al. **J Neurosci Res** 1985; 14(1):145-58

The appearance and development of neurotransmitter sensitivity in Xenopus embryonic spinal neurones in vitro. Bixby JL, et al. **J Physiol (Lond)** 1984 Aug;353:143-55

A unified theory of presynaptic chemical neurotransmission. Moskowitz N, et al. **J Theor Biol** 1985 Feb 7;112(3):513-34

Redistribution of flow between canine isolated internal and external carotid arteries by vasoactive substances. Kawai Y, et al. **Jpn J Physiol** 1984;34(3):457-68

Proctolin: a potent inhibitor of aminoenkephalinase. Hui KS, et al. **Life Sci** 1985 Jun 17;36(24):2309-15

Electrical responses of pineal cells to pineal indoles and putative transmitters in intact and blinded pigeons. Demaine C, et al. **Neuroendocrinology** 1984 Nov; 39(5):408-13

Neuropeptidergic inhibitory regulation of Met-enkephalin immunoreactive material release from rat spinal cord in vitro. Uzumaki U, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):849-52

Analysis and the effects of some drugs on the metabolism of phenylethylamine and phenylacetic acid. McQuade PS. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):607-14

A response to 'Effects of glycine and other inhibitor amino acid neurotransmitters on strychnine convusive threshold in mice' [letter] Hatch RC. Vet Hum Toxicol 1985 Jun; 27(3):208-9

EWARK PUBLIC LIBRA

[Effectiveness of neurotransmitters on receptor membranes. a. Acetylcholine receptors] Takamori M, et al. **Nippon Rinsho** 1984 Apr;42(4):791-9 (40 ref.) **(Jpn)**

[Effect of fenibut on the GABA B receptors of the spinal motor neurons] Abramets II, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):698-700 (Eng. Abstr.) **(Rus)**

[Neuromediator action on surfactant system activity and the functioning area of the lung] Bazarevich GIa, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):261-3 (Eng. Abstr.) **(Rus)**

[Mediators in the mechanism of the neurotropic action of thyroliberin] Zakusov VV. **Biull Eksp Biol Med** 1984 Oct; 98(10):456-7 (Eng. Abstr.) **(Rus)**

[Effect of mediators on retrograde primulin-labelled motor neurons] Kliuchko EM, et al. **Fiziol Zh** 1984 Nov-Dec; 30(6):730-3 **(Rus)**

[Analysis of the significance of irregular spike activity in response to mediator action on Helix pomatia neurons] Vagin IuE, et al. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr; 35(2):322-9 (Eng. Abstr.) **(Rus)**

[Nervous system regulation of exocrine pancreatic secretion in the chicken] Salido GM, et al. **Rev Esp Fisiol** 1985 Mar; 41(1):11-7 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Neuroendocrinology and the ovulation cycle--advances and review. Schnatz PT. **Adv Psychosom Med** 1985;12:4-24

Psychoendocrinology and the menstrual cycle. Youngs DD, et al. **Adv Psychosom Med** 1985;12:25-34

Monoamines and the effect of ethanol on corticosterone and non-esterified fatty acids. Brick J, et al. **Alcohol** 1985 Mar-Apr;2(2):261-5

Neurohumoral mechanisms involved in congestive heart failure. Francis GS. **Am J Cardiol** 1985 Jan 11; 55(2):15A-21A (64 ref.)

Nutrients, neurotransmitters and infant behavior. Yogman MW, et al. **Am J Clin Nutr** 1985 Aug;42(2):352-60 (38 ref.)

Primary culture of duck salt gland. II. Neurohormonal stimulation of active transport. Lowy RJ, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C41-7

Overview: toward a dysregulation hypothesis of depression. Siever LJ, et al. **Am J Psychiatry** 1985 Sep;142(9):1017-31 (134 ref.)

Acute vasoconstrictor response to intravenous furosemide in patients with chronic congestive heart failure. Activation of the neurohumoral axis. Francis GS, et al. **Ann Intern Med** 1985 Jul;103(1):1-6

Roles of biogenic amines and cyclic nucleotides in seizure mechanisms. Ferrendelli JA. **Ann Neurol** 1984;16 Suppl:S98-103

Neurotransmitter control of carbohydrate consumption. Wurtman JJ. **Ann NY Acad Sci** 1985;443:145-51

Neurohumoral hypothesis of motion-induced vomiting. Communication. Contrucci RB, et al. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):322-3

Neurotransmitter markers of depression. Leonard BE. **Aust NZ J Psychiatry** 1984 Dec;18(4):307-12

Some normal and abnormal behavioral syndromes due to transmitter gating of opponent processes. Grossberg S. **Biol Psychiatry** 1984 Jul;19(7):1075-118

Animal models of depression: parallels and correlates to severe depression in humans. Jesberger JA, et al. **Biol Psychiatry** 1985 Jul;20(7):764-84

Neurotransmitters and central regulation of adrenal functions. Sourkes TL. **Biol Psychiatry** 1985 Feb;20(2):182-91 (59 ref.)

The role of substance P as a neurotransmitter in the reflexes of slow time courses in the neonatal rat spinal cord. Akagi H, et al. **Br J Pharmacol** 1985 Mar;84(3):663-73

Central GABA-ergic mechanism in stress-induced gastric ulceration. Bhargava KP, et al. **Br J Pharmacol** 1985 Mar; 84(3):619-23

Role of putative neurotransmitters in the central gastric antisecretory effect of prostaglandin E2 in rats. Puurunen J. **Br J Pharmacol** 1985 May;85(1):213-21

Integrative peptides. Hoebel BG. **Brain Res Bull** 1985 Jun; 14(6):525-8 (54 ref.)

Peptides as central regulators of feeding. Morley JE, et al. **Brain Res Bull** 1985 Jun;14(6):511-9 (108 ref.)

Neurogenic control of cerebral circulation. Burnstock G. **Cephalalgia** 1985 May;5 Suppl 2:25-33 (84 ref.)

Behavioural effects of manipulation of basal ganglia neurotransmitters. Iversen SD. **Ciba Found Symp** 1984; 107:183-200 (6 ref.)

Spinal pharmacology of pain and its modulation. Yaksh TL. **Clin Neurosurg** 1983;31:291-303

Evidence for ATP and noradrenaline as cotransmitters in sympathetic nerves. Burnstock G, et al. **Clin Sci** 1985;68 Suppl 10:89s-92s

The role of proctolin and glutamate in the excitation-contraction coupling of insect visceral muscle. Cook BJ, et al. **Comp Biochem Physiol [C]** 1985;80(1):65-73

Proctolin, its presence in and action on the oviduct of an insect. Holman GM, et al. **Comp Biochem Physiol [C]** 1985; 80(1):61-4

Investigations into the identity of the non-adrenergic, non-cholinergic excitatory transmitter in the smooth muscle of chicken rectum. Meldrum LA, et al. **Comp Biochem Physiol [C]** 1985;81(2):307-9

Aminergic neurotransmitters and adenylate cyclase in hydra. Venturini G, et al. **Comp Biochem Physiol [C]** 1984; 78(2):345-8

Role of neurotransmitters in palate development. Zimmerman EF, et al. **Curr Top Dev Biol** 1984;19:37-63 (92 ref.)

Opioid and neurotransmitter regulation of pituitary gonadotropin-releasing hormone (GnRH) receptors in the ovariectomized estradiol-treated rat: role of altered GnRH secretion. Barkan AL, et al. **Endocrinology** 1985 Mar; 116(3):1003-10

Neurotransmitters involved in mediating the steroid-dependent suppression of pulsatile luteinizing hormone secretion in anestrous ewes: effects of receptor antagonists. Meyer SL, et al. **Endocrinology** 1985 May; 116(5):2054-61

ATP as a co-transmitter in rat tail artery. Sneddon P, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):149-52

Nervous control of smooth muscle by transmitters, cotransmitters and modulators. Burnstock G. **Experientia** 1985 Jul 15;41(7):869-74 (59 ref.)

Arterial and cardiopulmonary reflexes in the regulation of the neurohumoral drive to the circulation. Bishop VS, et al. **Fed Proc** 1985 May;44(8):2377-81 (31 ref.)

Neurotransmitters, hormones, and cyclic nucleotides in lymphocyte regulation. Coffey RG, et al. **Fed Proc** 1985 Jan;44(1 Pt 1):112-7 (62 ref.)

Neurohumoral mechanisms of sodium-dependent hypertension. Haywood JR, et al. **Fed Proc** 1985 May; 44(8):2393-9 (60 ref.)

Neurological control of vasopressin release. Sladek JR Jr, et al. **Fed Proc** 1985 Jan;44(1 Pt 1):66-71 (66 ref.)

The hyperglycemic factor of the CNS of the freshwater snail Lymnaea stagnalis: interaction with glucose stimulation of glycogen synthesis and evidence for its release during anaerobiosis. Hemminga MA, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):301-7

Neurotransmitter effects on in vitro prolactin and growth hormone release from fowl pituitary glands: dopamine and noradrenaline. Hall TR, et al. **Gen Pharmacol** 1984; 15(4):321-5

A clinical perspective on the role of neurotransmitters in mental disorders. Brown RP, et al. **Hosp Community Psychiatry** 1985 Feb;36(2):141-50 (41 ref.)

Neurochemical psychiatry as a source of hypotheses concerning the role of homeostatic mechanisms in brain function. Richardson JS. **Int J Neurosci** 1984 Nov; 24(3-4):197-202

Biochemical and immunochemical approaches to the study of the auditory system. Wenthold RJ. **J Acoust Soc Am** 1985 Jul;78(1 Pt 2):334-9

Introduction to the symposium on endorphins and neurotransmitters. Goldstein M. **J Am Osteopath Assoc** 1984 Sep;84(1 Suppl):96-7

Blood pressure control by neurotransmitters in the medulla oblongata and spinal cord. Howe PR. **J Auton Nerv Syst** 1985 Feb-Mar;12(2-3):95-115

Neurohumoral control of blood vessels: some future directions. Burnstock G. **J Cardiovasc Pharmacol** 1985;7 Suppl 3:S137-46 (120 ref.)

Role of calcium and phosphoinositides in the actions of certain hormones and neurotransmitters. Exton JH. **J Clin Invest** 1985 Jun;75(6):1753-7 (59 ref.)

Neuropeptides and other mediators in the central nervous system. Bloom FE. **J Immunol** 1985 Aug;135(2 Suppl):743s-745s

Noradrenergic and peptidergic innervation of lymphoid tissue. Felten DL, et al. **J Immunol** 1985 Aug;135(2 Suppl):755s-765s (73 ref.)

Neuropeptide regulation of the expression of immediate hypersensitivity. Goetzl EJ, et al. **J Immunol** 1985 Aug; 135(2 Suppl):802s-805s

Evidence that thymosins and other biologic response modifiers can function as neuroactive immunotransmitters. Hall NR, et al. **J Immunol** 1985 Aug;135(2 Suppl):806s-811s

Cellular interactions at the central and peripheral terminals of primary sensory neurons. Jessell TM. **J Immunol** 1985 Aug;135(2 Suppl):746s-749s

Neuroanatomic and neurotransmitter influences on immune function. Roszman TL, et al. **J Immunol** 1985 Aug;135(2 Suppl):769s-772s

Evolutionary origins of neuropeptides, hormones, and receptors: possible applications to immunology. Roth J, et al. **J Immunol** 1985 Aug;135(2 Suppl):816s-819s

An excitant amino acid projection from the medial prefrontal cortex to the anterior part of nucleus accumbens in the rat. Christie MJ, et al. **J Neurochem** 1985 Aug;45(2):477-82

Neuronal cholecystokinin: one or multiple transmitters? Rehfeld JF. **J Neurochem** 1985 Jan;44(1):1-10 (75 ref.)

A genetically controlled hippocampal transmitter system regulating exploratory behavior in mice. van Abeelen JH, et al. **J Neurogenet** 1984 Apr;1(2):153-8

Modulation of neurotransmitter action: control of the gamma-aminobutyric acid response through the benzodiazepine receptor. Chan CY, et al. **J Neurosci** 1985 Sep;5(9):2365-73

Rat serum contains a developmentally regulated cholinergic inducing activity. Wolinsky EJ, et al. **J Neurosci** 1985 Jun; 5(6):1509-12

New double-lumen polyethylene cannula for push-pull perfusion of brain tissue in vivo. Myers RD, et al. **J Neurosci Methods** 1985 Jan;12(3):205-18

Is vasoactive intestinal peptide an inhibitory transmitter in the circular but not the longitudinal muscle of guinea-pig colon? Bennett A, et al. **J Pharm Pharmacol** 1984 Nov; 36(11):787-8

Evidence against VIP or substance P being the transmitter in non-cholinergic excitatory nerves supplying the guinea-pig bladder. Meldrum LA, et al. **J Pharm Pharmacol** 1985 Jun;37(6):432-4

Neurotransmitter specific alterations in dementing disorders: insights from animal models. Coyle JT, et al. **J Psychiatr Res** 1984;18(4):501-12 (59 ref.)

Neurotransmitter diversity and its functional significance. Bloom FE. **J R Soc Med** 1985 Mar;78(3):189-92

Modulation of receptor sensitivity and action potentials by transmitters in vertebrate neurones. Koketsu K. **Jpn J Physiol** 1984;34(6):945-60 (59 ref.)

Opioid hypofunction in Parkinson's disease. Sandyk R, et al. **Med Hypotheses** 1985 Feb;16(2):179-82

Tuning in to neurotransmitters [news] Altman J. **Nature** 1985 Jun 13-19;315(6020):537

Neurotransmitter dysfunction and atrophy of the caudate nucleus in Alzheimer's disease. Pearce BR, et al. **Neurochem Pathol** 1984-85 Winter;2(4):221-32

Effects of area 17 ablation on neurotransmitter parameters in efferents to area 18, the lateral geniculate body, pulvinar and superior colliculus in the cat. Fosse VM, et al. **Neurosci Lett** 1984 Dec 21;52(3):323-8

Prolonged non-adrenergic inhibition of cardiac vagal action following sympathetic stimulation: neuromodulation by neuropeptide Y? Potter EK. **Neurosci Lett** 1985 Mar 15; 54(2-3):117-21

A new double-labeling method demonstrates transmitter-specific projections. Weinberg RJ, et al. **Neurosci Lett** 1985 Apr 19;55(3):349-53

Molecular regulators of brain function: a new view. Schmitt FO. **Neuroscience** 1984 Dec;13(4):991-1001

Effects of chlordecone on neuroendocrine function of female rats. Uphouse L. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):191-210 (80 ref.)

Autonomic neuroeffector mechanisms in smooth muscle. Burnstock G. **Nippon Heikatsukin Gakkai Zasshi** 1984 Oct; 20(5):365-92 (206 ref.)

In vivo studies on amino acid transmitters in the central auditory system of the guinea pig. Jarlstedt J, et al. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):27-30

Peptidergic regulation in neuroendocrine and autonomic systems. Elde R, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:101-7 (63 ref.)

Control of quantal transmitter release at frog's motor nerve terminals. I. Dependence on amplitude and duration of depolarization. Dudel J. **Pflugers Arch** 1984 Nov; 402(3):225-34

Control of quantal transmitter release at frog's motor nerve terminals. II. Modulation by de- or hyperpolarizing pulses. Dudel J. **Pflugers Arch** 1984 Nov;402(3):235-43

Role of brain neurotransmitters on neurotensin-induced gastric cytoprotection. Hernandez DE, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):509-13

Does 5HT play a neurotransmitter role in mammalian retina? Studies on uptake and potassium-stimulated release of 14C-5HT and 14C-GABA from bovine and rabbit retina slices. Nowak JZ, et al. **Pol J Pharmacol Pharm** 1985 Jan-Feb;37(1):57-68

Sex differences in vasopressin and other neurotransmitter systems in the brain. De Vries GJ, et al. **Prog Brain Res** 1984;61:185-203 (121 ref.)

Hormone-dependent socio-sexual behaviors and neurotransmitters. Meyerson BJ. **Prog Brain Res** 1984; 61:271-81 (47 ref.)

Roles for neurotransmitters in development: possible interaction with drugs during the fetal and neonatal periods. Lauder JM. **Prog Clin Biol Res** 1985;163C:375-80

Role of neurotransmitters in palate development and teratologic implications. Zimmerman EF. **Prog Clin Biol Res** 1985;171:283-94

Role of neurotransmitters and teratogens on palate development. Zimmerman EF, et al. **Prog Clin Biol Res** 1985;163C:405-8

Neurotransmitter hypotheses of depression. Research update. Jimerson DC. **Psychiatr Clin North Am** 1984 Sep; 7(3):563-73 (49 ref.)

Biochemical hypotheses of premenstrual tension syndrome. Janowsky DS, et al. **Psychol Med** 1985 Feb;15(1):3-8

Neurotransmitters and anxiety: overview. Lader M. **Psychopathology** 1984;17 Suppl 3:3-7

Brain neurotransmitters and appetite regulation. Leibowitz SF **Psychopharmacol Bull** 1985;21(3):412-8

Silver-intensified gold and peroxidase as dual ultrastructural immunolabels for pre- and postsynaptic neurotransmitters. van den Pol AN. **Science** 1985 Apr 19;228(4697):332-5

Retinal neurotransmission. Pycock CJ. **Surv Ophthalmol** 1985 Mar-Apr;29(5):335-65

Role of neurotransmitters in endosulfan-induced aggressive behaviour in normal and lesioned rats. Anand M, et al. **Toxicol Lett** 1985 Jan;24(1):79-84

[Neurotransmitters in the control of the function of gonadotropin-releasing-hormone neurons] Chen LS. **Sheng Li Ko Hsueh Chin Chan** 1984 Jan;15(1):68-70 **(Chi)**

[Regulation of cerebral circulation by neurotransmitters] Jia WG. **Sheng Li Ko Hsueh Chin Chan** 1984 Jul;15(3):214-7 **(Chi)**

[Neurochemical mechanism of the central control of feeding] Jiang LH, et al. **Sheng Li Ko Hsueh Chin Chan** 1984 Apr; 15(2):120-5 **(Chi)**

[Central neurotransmitters and cardiovascular activity] Xia

Y. **Sheng Li Ko Hsueh Chin Chan** 1985 Jan;16(1):27-31 (50 ref.) (Chi)

[Biological and pharmacological data on aggressive behavior (application to mental pathology)] Soulairac A, et al. **Ann Med Psychol (Paris)** 1984 Apr;142(4):542-54 (Fre)

[Role of inhibitory neurotransmission in certain forms of aggressive behavior] Mandel P, et al. **Bull Acad Natl Med (Paris)** 1984 Jan-Feb;168(1-2):31-9 (Eng. Abstr.) (Fre)

[A half-century of electroshock, or the obsolete therapy of the future (editorial)] Lôo H. **Encephale** 1984;10(6):245-6 (Fre)

[Mechanism of action of sympathetic and parasympathetic neuromediators at the level of the heart cell: use of photosensitive molecules] Nargeot J. **J Pharmacol** 1985;16 Suppl 1:89-118 (95 ref.) (Eng. Abstr.) (Fre)

[Neurotransmitter anomalies in Alzheimer's disease] Berger B. **Rev Neurol (Paris)** 1984;140(10):539-52 (158 ref.) (Eng. Abstr.) (Fre)

[Biochemistry and pharmacology of vigilance: role of neurotransmitters within the framework of vigilance control] Koella WP. **EEG EMG** 1984 Dec;15(4):180-9 (78 ref.) (Eng. Abstr.) (Ger)

[Hypothalamic and gastrointestinal neuropeptides and neurotransmitters] **Verh Dtsch Ges Inn Med** 1984;90 Pt 1:368-415 (Ger)

[Neurotransmitter control of pupillary motoricity in man] De Marinis M, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2353-8 (Eng. Abstr.) (Ita)

[Definition and classification of neurotransmitters] Ishizaki F, et al. **Nippon Rinsho** 1984 Apr;42(4):779-84 (Jpn)

[Research on neurotransmitters] Ogata N, et al. **Nippon Rinsho** 1984 Apr;42(4):772-8 (Jpn)

[Recent advances in research on substance P and related neuropeptides] Kanazawa I. **No To Hattatsu** 1985 Mar; 17(2):94-102 (17 ref.) (Jpn)

[Neurotransmitters] Nakamura S. **No To Shinkei** 1985 Apr; 37(4):410-1 (Jpn)

[The mediator, receptor and messenger2 system in medicine] Filip V. **Rev Med Interna [Med Interna]** 1985 Jan-Feb; 37(1):7-18 (20 ref.) (Rum)

[Humoral regulation of intrapulmonary shunting during anesthesia in lung surgery] Gimmel'farb GN, et al. **Anesteziol Reanimatol** 1985 Jan-Feb;(1):12-6 (Eng. Abstr.) (Rus)

[Vasoactive hormones and mediators in the mechanism of the development of an aphthous process in the oral mucosa] Rybakov AI, et al. **Biull Eksp Biol Med** 1985 Apr; 99(4):424-5 (Eng. Abstr.) (Rus)

[Neuroendocrine mechanisms in immunoregulation] Bezedovskiĭ GO, et al. **Fiziol Cheloveka** 1984 Mar-Apr; 10(2):224-8 (14 ref.) (Rus)

[Neurohumoral regulation of immune homeostasis] Korneva EA, et al. **Fiziol Cheloveka** 1984 Mar-Apr;10(2):179-92 (38 ref.) (Rus)

[Rigid and flexible links in the neurophysiological correlates of immunological processes] Korneva EA. **Fiziol Zh SSSR** 1984 Jul;70(7):997-1006 (22 ref.) (Eng. Abstr.) (Rus)

[Effect of electrical stimulation in the kindling regimen on brain mediator systems in rats] Pozdeev VK, et al. **Fiziol Zh SSSR** 1984 Jul;70(7):944-51 (Eng. Abstr.) (Rus)

[Neurochemical mechanisms of the involvement of sensorimotor cortex neurons in food and orienting-exploratory behavior] Sudakov SK, et al. **Fiziol Zh SSSR** 1984 Sep;70(9):1311-5 (Eng. Abstr.) (Rus)

[Age aspects of receptor-effector reactions and the regulation of adenylate cyclase activity] Burchinskiĭ SG, et al. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):86-98 (101 ref.) (Eng. Abstr.) (Rus)

[Endogenous modulators of the sensitivity of the postsynaptic membranes of GABA-ergic brain synapses] Komissarov IV, et al. **Vestn Akad Med Nauk SSSR** 1984;(11):26-31 (21 ref.) (Eng. Abstr.) (Rus)

[Elements of the systems approach in studying the mechanisms of the neurohumoral regulation of immunological processes] Korneva EA. **Vestn Akad Med Nauk SSSR** 1985;(3):63-73 (60 ref.) (Eng. Abstr.) (Rus)

[Neurohormonal changes during the growth of metastatic Lewis carcinoma in C57Bl mice] Shmal'ko IuP, et al. **Vopr Med Khim** 1985 May-Jun;31(3):57-60 (Eng. Abstr.) (Rus)

[Neurohormonal control of the ovarian cycle] Babichev VN. **Zh Obshch Biol** 1984 Jul-Aug;45(4):491-506 (Eng. Abstr.) (Rus)

[Neuropharmacologic analysis of the dopamin-, cholin- and GABA-ergic systems of the brain in the organization of reflexes to time] Mukhin EI. **Zh Vyssh Nerv Deiat** 1984 Jul-Aug;34(4):729-37 (Eng. Abstr.) (Rus)

[Neuroendocrine control of gonadotropin secretion] Prelević GM. **Srp Arh Celok Lek** 1984 Sep;112(9):955-65 (60 ref.) (Eng. Abstr.) (Scc)

[Conformation study, using an empirical atom-atom potential, of biologically active amino acids as neurotransmitters] Jáuregui EA, et al. **Acta Cient Venez** 1984;35(5-6):337-41 (Eng. Abstr.) (Spa)

[New ideas on the modulation of catecholaminergic secretion in the adrenal medulla] Sánchez García P. **An R Acad Nac Med (Madr)** 1984;101(2):219-22 (Spa)

[Neuropeptides in health and disease] Holst JJ, et al. **Lakartidningen** 1985 Jan 23;82(4):190-7 (Swe)

SECRETION

Catecholamine and opioid receptors, presynaptic inhibition of CNS neurotransmitter release, and adenylate cyclase. Mulder AH, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1985; 19:273-86

Adenosine, adenylate cyclase, and transmitter release. Phillis JW, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1985; 19:243-57 (81 ref.)

The action of thallium acetate on spontaneous transmitter release in the rat neuromuscular junction. Wiegand H, et al. **Arch Toxicol** 1984 Oct;55(4):253-7

Local regulation of transmitter release in the basal ganglia. **Ciba Found Symp** 1984;107:258-68

Regulation of neurohormone release in the fiddler crab, Uca pugilator: effects of gamma-aminobutyric acid, octopamine, Met-enkephalin, and beta-endorphin. Quackenbush LS, et al. **Comp Biochem Physiol [C]** 1984; 79(1):77-84

Control of transmitter release in guinea-pig vas deferens by prejunctional P1-purinoceptors. Sneddon P, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):293-9

Local modulation of adrenergic neurotransmission in blood vessels. Shepherd JT, et al. **J Cardiovasc Pharmacol** 1985; 7 Suppl 3:S167-78 (80 ref.)

Profiles of evoked release along the length of frog motor nerve terminals. D'Alonzo AJ, et al. **J Physiol (Lond)** 1985 Feb;359:235-58

Polyneuronal innervation and quantal transmitter release in formamide-treated frog sartorius muscles. Herrera AA. **J Physiol (Lond)** 1984 Oct;355:267-80

Long-term potentiation of transmitter release induced by repetitive presynaptic activities in bull-frog sympathetic ganglia. Koyano K, et al. **J Physiol (Lond)** 1985 Feb; 359:219-33

Differential sensitivity of selected rat brain areas to excitatory neurotransmitters released by K+ depolarization. Luini A, et al. **Neurosci Lett** 1984 Aug 31;49(3):325-30

Depolarization dependence of the kinetics of phasic transmitter release at the crayfish neuromuscular junction. Parnas I, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):157-62

Distribution of spontaneous release along the frog neuromuscular junction. Tremblay JP, et al. **Neurosci Lett** 1984 Oct 12;51(2):247-52

Transmitter secretion from individual varicosities of guinea-pig and mouse vas deferens: highly intermittent and monoquantal. Cunnane TC, et al. **Neuroscience** 1984 Sep; 13(1):1-20

Intraterminal injection of synapsin I or calcium/calmodulin-dependent protein kinase II alters neurotransmitter release at the squid giant synapse. Llinás R, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):3035-9

[Secretory mechanism of neurotransmitters] Kanno T. **Nippon Rinsho** 1984 Apr;42(4):785-90 (Jpn)

[Electrophysiological evaluation of mediator secretion and pool at an individual point of neuromuscular synapse release in the frog] Zefirov AL. **Biull Eksp Biol Med** 1984 Nov;98(11):520-3 (Eng. Abstr.) (Rus)

[Periodic changes in evoked mediator secretion at the neuromuscular synapse] Zefirov AL. **Fiziol Zh SSSR** 1985 Jun;71(6):737-43 (Eng. Abstr.) (Rus)

[Distribution and functioning of mediator release sites in the neuromuscular junction of the frog] Zefirov AL. **Neirofiziologiia** 1985;17(2):152-60 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Depression and serotonin metabolism: rationale for neurotransmitter precursor treatment. Byerley WF, et al. **J Clin Psychopharmacol** 1985 Aug;5(4):191-206 (188 ref.)

Cerebral ageing, neurotransmitters and therapeutic implications. Siow BL. **Singapore Med J** 1985 Apr; 26(2):151-3

URINE

Effects of acute cannabis use on urinary neurotransmitter metabolites and cyclic nucleotides in man. Markianos M, et al. **Drug Alcohol Depend** 1984 Oct;14(2):175-8

NEUROSECRETION

see related
NEUROSECRETORY SYSTEMS
PITUITARY HORMONE RELEASING HORMONES

The carcinoid syndrome: neuroendocrine and chemical considerations. Aleshire SL, et al. **Clin Lab Med** 1984 Dec; 4(4):803-15 (72 ref.)

Further studies of the secretory process in hypothalamo-neurohypophysial neurons: an analysis using immunocytochemistry, wheat germ agglutinin-peroxidase, and native peroxidase. Broadwell RD, et al. **J Comp Neurol** 1984 Sep 10;228(2):155-67

Immunocytochemical demonstration of a homology in peptidergic neurosecretory cells in the suboesophageal ganglion of a beetle and a locust with antisera to bovine pancreatic polypeptide, FMRFamide, vasopressin and alpha-MSH. Veenstra JA. **Neurosci Lett** 1984 Jul 27; 48(2):185-90

Relationship between neurosecretory activity and staining properties in a neurosecretory cell-pair of the suboesophageal ganglion of the cricket Teleogryllus commodus (Walker). Ogrisegg B, et al. **Z Mikrosk Anat Forsch** 1985;99(2):321-6

[International symposium: Neurosecretion and synaptic transmission. Abstracts] **Arch Biol Med Exp (Santiago)** 1983 Aug;16(1):R61-74 (Spa)

[A possible function of melanocyte-stimulating hormone in mammals] Celis ME, et al. **Medicina (B Aires)** 1983;43(6 Pt 2):879-91 (Spa)

DRUG EFFECTS

Monovalent cation dependency for the inhibition of outward transport of [3H]norepinephrine. Bogdanski DF. **Neuropharmacology** 1985 Jan;24(1):13-8

[Nervous system regulation of exocrine pancreatic secretion in the chicken] Salido GM, et al. **Rev Esp Fisiol** 1985 Mar; 41(1):11-7 (Eng. Abstr.) (Spa)

NEUROSECRETORY SYSTEMS

see related
NEUROSECRETION

[14th meeting of the Society of Experimental Neuroendocrinology. Abstracts of presentations and reports. Besançon, 27-28 September 1984] **Ann Endocrinol (Paris)** 1984;45(2):1N-40N (Fre)

ANALYSIS

Immunocytochemical localization of peptidergic neurons and neurosecretory cells in the neuro-endocrine system of the Colorado potato beetle with antisera to vertebrate regulatory peptides. Veenstra JA, et al. **Histochemistry** 1985;82(1):9-18

Neurons and neuroendocrine cells contain chromogranin: detection of the molecule in normal bovine tissues by immunochemical and immunohistochemical methods. Nolan JA, et al. **J Histochem Cytochem** 1985 Aug; 33(8):791-8

A comparison of the evolutionary distribution of the two neuroendocrine markers, neurone-specific enolase and protein gene product 9.5. Jackson P, et al. **J Neurochem** 1985 Jul;45(1):185-90

Histochemical study of caudal neurosecretory system of a fresh water cyprinoid teleost, Oxygaster bucaila (Ham.). Joshi PK, et al. **Z Mikrosk Anat Forsch** 1984;98(4):637-9

ANATOMY & HISTOLOGY

The human subfornical organ: an anatomic and ultrastructural study. Mark MH, et al. **Ann Clin Lab Sci** 1984 Nov-Dec;14(6):427-42 (46 ref.)

Anatomical evidence that neural circuits related to the subfornical organ contain angiotensin II. Lind RW, et al. **Brain Res Bull** 1985 Jul;15(1):79-82

Anatomy of the corticotropin-releasing factor and opiomelanocortin systems of the brain. Joseph SA, et al. **Fed Proc** 1985 Jan;44(1 Pt 1):100-7

The frontal ganglion as a centre of neurosecretory activity in Supella supellectilium serville (Phyllodromidae, Blattoidea). Pathak SC, et al. **Folia Morphol (Praha)** 1984; 32(4):319-24

Symposium: Neuroendocrinology. Proceedings of the Anatomical Society of Great Britain and Ireland. July 1984. Abstracts. **J Anat** 1984 Dec;139 (Pt 4):713-72

CYTOLOGY

The influence of dehydration on the changes in activity of neurocytes of the subfornical organ in the brain of Rana temporaria L. in annual cycle. Srebro Z, et al. **Acta Biol Hung** 1984;35(1):77-81

Chromogranin as a marker of neuroendocrine cells in cytologic material—an immunocytochemical study. Walts AE, et al. **Am J Clin Pathol** 1985 Sep;84(3):273-7

Dye coupling and gap junctions between crustacean neurosecretory cells. Aréchiga H, et al. **Brain Res** 1985 Feb 4;326(1):183-7

Morphological evidence for the presence of two cell types in the ependyma of the subcommissural organ of the snake, Natrix maura. Fernández-Llebrez P, et al. **Cell Tissue Res** 1984;238(2):407-9

Quantitation of pulmonary neuroepithelial bodies in pre- and postnatal rabbits. Redick ML, et al. **Cell Tissue Res** 1984; 238(3):583-7

Comparative immunocytochemical study of the subcommissural organ. Rodríguez EM, et al. **Cell Tissue Res** 1984;237(3):427-41

Spatial and structural interrelationships between secretory cells of the subcommissural organ and blood vessels. An immunocytochemical study. Rodríguez EM, et al. **Cell Tissue Res** 1984;237(3):443-9

Identification of Merkel cells in human skin by specific cytokeratin antibodies: changes of cell density and distribution in fetal and adult plantar epidermis. Moll R, et al. **Differentiation** 1984;28(2):136-54

Morphology of identified neurosecretory and non-neurosecretory cells in the cockroach pars intercerebralis. Krauthamer V. **J Exp Zool** 1985 May; 234(2):221-30

Neuroendocrine (Merkel) cells of the skin: hyperplasias,

EWARK PUBLIC LIBRA

dysplasias, and neoplasms. Gould VE, et al. **Lab Invest** 1985 Apr;52(4):334–53 (144 ref.)

Chemosensitive neurons within the area postrema of the rat. Adachi A, et al. **Neurosci Lett** 1985 Apr 9;55(2):137–40

Neurosecretory system of the thoracic ganglion and its relation to testicular maturation of the crab, Potamon koolooense (Rathbun). Joshi PC, et al. **Z Mikrosk Anat Forsch** 1984;98(3):429–42

Relationship between neurosecretory activity and staining properties in a neurosecretory cell-pair of the suboesophageal ganglion of the cricket Teleogryllus commodus (Walker). Ogrisegg B, et al. **Z Mikrosk Anat Forsch** 1985;99(2):321–6

Histology and secretory activity of cephalic neurosecretory cells in adult Samia cynthia ricini (Lepidoptera: Saturnidae). Srivastava VK, et al. **Z Mikrosk Anat Forsch** 1985;99(1):75–85

Histology, secretory activity and metamorphic changes in the ventral nerve cord neurosecretory cells in the larvae of Samia cynthia ricini (Lepidoptera: Saturnidae). Srivastava VK, et al. **Z Mikrosk Anat Forsch** 1985; 99(1):95–106

[APUD cells and various related physiological and pathological concepts] Lewicki Z, et al. **Pol Tyg Lek** 1984 Jul 2;39(27):897–901 **(Pol)**

DRUG EFFECTS

Neuro-endocrine effects of isotheoline. Zhelyazkov D, et al. **Acta Physiol Pharmacol Bulg** 1984;10(4):53–8

Intragastric cannulation as a method of ethanol administration for neuroendocrine studies. Dees WL, et al. **Alcohol** 1984 May–Jun;1(3):177–80

Single and combined therapy for systemic hypertension with propranolol, hydralazine and hydrochlorothiazide: hemodynamic and neuroendocrine mechanisms of action. Mulvihill-Wilson J, et al. **Am J Cardiol** 1985 Aug 1; 56(4):315–20

Clinical and neuroendocrine studies with cholecystokinin peptides. Nair NP, et al. **Ann NY Acad Sci** 1985;448:535–41

Vasopressin release to central and peripheral angiotensin II in rats with lesions of the subfornical organ. Iovino M, et al. **Brain Res** 1984 Nov 26;322(2):365–8

Neuronal responses in subfornical organ and other regions to angiotensin II applied by various routes. Ishibashi S, et al. **Brain Res Bull** 1985 Apr;14(4):307–13

Effects of development and captopril treatment on central angiotensin II––sensitive neurons. Nelson DO, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):2013–7

Effect of chronic methadone administration on neuroendocrine function in developing rats. Kuhn CM, et al. **Dev Pharmacol Ther** 1984;7(6):384–97

Inotropic, vascular and neuroendocrine effects of nifedipine in heart failure: comparison with nitroprusside. Fifer MA, et al. **J Am Coll Cardiol** 1985 Mar;5(3):731–7

Ionic dependence of secretory and electrical activity evoked by elevated K+ in a peptidergic neurosecretory system. Cooke IM, et al. **J Exp Biol** 1984 Nov;113:289–321

Cardiorespiratory, sympathetic and biochemical responses to T-2 toxin in the guinea pig and rat. Feuerstein G, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):786–94

Effect of chronic methadone administration on neuroendocrine function in young adult rats. Kuhn CM, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):204–10

Central effects of aldosterone infused into the rat subcommissural organ region. Dundore RL, et al. **Neurosci Res** 1984 Oct;1(5):341–51

[Reactions of oxytocin- and vasopressinergic cells of the hypothalamic supraoptic and paraventricular nuclei in the rat to repeated administrations of thyroliberin] Krasnovskaia IA. **Biull Eksp Biol Med** 1984 Nov; 98(11):518–20 (Eng. Abstr.) **(Rus)**

[Effect of somatostatin on the neurosecretory cells of the hypothalamic paraventricular nucleus and argentaffin cells of the antral part of the rat stomach] Kotel'nikova VI, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):206–12 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Ontogeny of neuroendocrine cells in human fetal lung. I. An electron microscopic study. Stahlman MT, et al. **Lab Invest** 1984 Oct,51(4):449–63

GROWTH & DEVELOPMENT

Quantitative development of the subcommissural organ in hypothyroid mice. Ferres-Torres R, et al. **Brain Res** 1985 Apr 8;331(2):348–52

Ontogeny of neuroendocrine cells in human fetal lung. II. An immunohistochemical study. Stahlman MT, et al. **Lab Invest** 1985 Jan;52(1):52–60

Morphogenesis of the subcommissural organ in the hamster. Taniguchi K, et al. **Nippon Juigaku Zasshi** 1985 Jun; 47(3):385–95

IMMUNOLOGY

Small cell lung cancer, endocrine cells of the fetal bronchus, and other neuroendocrine cells express the Leu-7 antigenic determinant present on natural killer cells. Bunn PA Jr, et al. **Blood** 1985 Mar;65(3):764–8

Immunohistochemical localization of urotensin I/corticotropin-releasing factor immunoreactivity in neurosecretory neurons in the caudal spinal cord of fish. Onstott D, et al. **Neuroendocrinology** 1984 Dec;39(6):503–9

METABOLISM

Tumor promoter phorbol 12-myristate, 13-acetate inhibits phosphoinositide hydrolysis and cytosolic Ca2+ rise induced by the activation of muscarinic receptors in PC12 cells. Vicentini LM, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):310–7

Neuroendocrine mobilization of body fuels after injury. Barton RN. **Br Med Bull** 1985 Jul;41(3):218–25 (128 ref.)

Enkephalin-like immunoreactivity in rat area postrema: ultrastructural localization and coexistence with serotonin. Armstrong DM, et al. **Brain Res** 1984 Sep 24;310(2):269–78

Immunocytochemical localization of glial fibrillary acidic protein (GFAP) in the area postrema of the cat. Light and electron microscopic study. D'Amelio FE, et al. **Brain Res** 1985 Mar 18;330(1):146–9

Angiotensin II immunoreactivity in the neural afferents and efferents of the subfornical organ of the rat. Lind RW, et al. **Brain Res** 1984 Nov 12;321(2):209–15

Gonadotropin-releasing hormone within the organum vasculosum lamina terminalis in the ovariectomized, estrogen/progesterone-treated rat: a quantitative immunocytochemical study using image analysis. Rothfeld JM, et al. **Brain Res** 1985 Jul 15;338(2):309–15

Elevated glucose utilization in the subfornical organ during dehydration. Kadekaro M, et al. **Brain Res Bull** 1985 Jul; 15(1):99–104

Amines and other transmitter-like compounds in the bovine area postrema. Leslie RA, et al. **Brain Res Bull** 1984 Sep; 13(3):357–62

Distribution of FMRF-NH2-like immunoreactivity in rat and cat area postrema. Newton BW, et al. **Brain Res Bull** 1984 Sep;13(3):391–9

The subfornical organ: biochemical and neuroendocrine comparisons with the hypothalamo-neurohypophysial system. Summy-Long JY, et al. **Brain Res Bull** 1985 Jul; 15(1):87–97

Urotensin II-immunoreactive neurons in the caudal neurosecretory system of freshwater and seawater fish. Owada K, et al. **Cell Tissue Res** 1985;239(2):349–54

Angiotensin II immunoreactive pathways in the central nervous system of the rat: evidence for a projection from the subfornical organ to the paraventricular nucleus of the hypothalamus. Lind RW, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):1915–20

Role of angiotensin II(AII) receptors in discrete rat brain areas and posterior pituitary. Saavedra JM, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):2107–11

Electron transfer across posterior pituitary neurosecretory vesicle membranes. Russell JT, et al. **J Biol Chem** 1985 Jan 10;260(1):226–31

The distribution of substance P, enkephalin, and serotonin immunoreactivities in the area postrema of the rat and cat. Newton BW, et al. **J Comp Neurol** 1985 Apr 1; 234(1):87–104

Coexpression of neuroendocrine markers and epithelial cytoskeletal proteins in bronchopulmonary neuroendocrine neoplasms. Blobel GA, et al. **Lab Invest** 1985 Jan; 52(1):39–51

Effects of marijuana on neuroendocrine hormones in human males and females. Mendelson JH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;44:97–114 (80 ref.)

Demonstration of regional blood-brain barrier permeability in human brain. Landas S, et al. **Neurosci Lett** 1985 Jun 24;57(3):251–6

Localization of somatostatin-like immunoreactivity in the area postrema of the rat and cat. Newton BW, et al. **Neurosci Lett** 1985 Mar 15;54(2–3):333–8

A serotonin-containing pathway from the area postrema to the parabrachial nucleus in the rat. Lança AJ, et al. **Neuroscience** 1985 Apr;14(4):1117–26

Neuroendocrine effects of styrene on occupationally exposed workers. Mutti A, et al. **Scand J Work Environ Health** 1984 Aug;10(4):225–8

[Immunohistochemical research on the development of the LHRH system in the development of the rat] Ugriumov MV, et al. **Dokl Akad Nauk SSSR** 1985;280(6):1425–7 **(Rus)**

PATHOLOGY

Gastrin-releasing peptide, a mammalian analog of bombesin, is present in human neuroendocrine lung tumors. Bostwick DG, et al. **Am J Pathol** 1984 Nov;117(2):195–200

PGP 9.5, a new marker for human neuroendocrine tumours. Rode J, et al. **Histopathology** 1985 Feb;9(2):147–58

PHYSIOLOGY

Subfornical organ and supraoptic nucleus connections with septal neurons in rats. Ferguson AV, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):R214–8

Subfornical organ stimulation excites paraventricular neurons projecting to dorsal medulla. Ferguson AV, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R1088–92

Activation of hypothalamo-hypophysial-interrenal system by urophysectomy in goldfish. Woo NY, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):R197–201

Anatomical studies of cholecystokinin in neurons and pathways involved in neuroendocrine regulation. Kiss JZ. **Ann NY Acad Sci** 1985;448:144–51

New investigations on neuro-endocrine correlations in the regulation of muscle metabolism in developing chickens. Giurgea R, et al. **Arch Exp Veterinarmed** 1984 Jul; 38(4):482–6

Coupling of electrical activity from contralateral sinus glands. Chiang RG, et al. **Brain Res** 1985 Apr 1;331(1):142–4

Effects of electrical and chemical stimulation of the paraventricular nucleus on neurons in the subfornical organ of cats. Yamashita H, et al. **Brain Res** 1984 Dec 3; 323(1):176–80

Autonomic and endocrine factors in the regulation of food intake. Bray GA. **Brain Res Bull** 1985 Jun;14(6):505–10 (75 ref.)

The subfornical organ as a model of neurohumoral integration. Gross PM. **Brain Res Bull** 1985 Jul;15(1):65–70 (50 ref.)

Role for the subfornical organ in vasopressin release. Mangiapane ML, et al. **Brain Res Bull** 1984 Jul;13(1):43–7

Electrophysiology of the subfornical organ and its hypothalamic connections––an in-vivo study in the rat. Renaud LP, et al. **Brain Res Bull** 1985 Jul;15(1):83–6

Subfornical organ. Does it protect against angiotensin II-induced hypertension in the rat? Bruner CA, et al. **Circ Res** 1985 Mar;56(3):462–6

Arterial walls as cephalic neurohemal organs in Lithobius forficatus L. (Myriapoda Chilopoda). Jamault-Navarro C. **Exp Biol** 1984;43(2):97–108

Direct effects of the adrenergic neurotoxin DSP4 on central opiate receptors: implications for neuroendocrine studies. Jacobson W, et al. **Exp Brain Res** 1985;59(3):570–4

A complete regulatory loop between the immune and neuroendocrine systems. Blalock JE, et al. **Fed Proc** 1985 Jan;44(1 Pt 1):108–11

Neuroendocrine control of glycogen mobilization in the freshwater snail Lymnaea stagnalis. Hemminga MA, et al. **Gen Comp Endocrinol** 1985 Jan;57(1):117–23

The hyperglycemic neuropeptide of the terrestrial isopod, Porcellio dilatatus. II. Immunocytochemical demonstration in neurosecretory structures of the nervous system. Martin G, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):217–26

Neurosecretory response of hypothalamic-hypophyseal axis to spinal anesthesia, minor gynecological surgery and irradiation. Grönroos M, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Jun;23(6):295–7

Neuroendocrine control of reproduction and its therapeutic manipulation with GnRH and its analogs. Brodie TD, et al. **Int J Fertil** 1985;30(1):66–70, 74–5

Is the avian circadian system a neuroendocrine loop? Cassone VM, et al. **J Exp Zool** 1984 Dec;232(3):539–49 (67 ref.)

Interrelation of the avian immune and neuroendocrine systems. Glick B. **J Exp Zool** 1984 Dec;232(3):671–82 (124 ref.)

Electrophysiology of identified neurosecretory and non-neurosecretory cells in the cockroach pars intercerebralis. Krauthamer V. **J Exp Zool** 1985 May; 234(2):207–19

Stress reduces hemolymph ecdysteroid levels in the crab: mediation by the eyestalks. Mattson MP, et al. **J Exp Zool** 1985 May;234(2):319–23

Aspects of the neuroendocrine control of ovulation and broodiness in the domestic hen. Sharp PJ, et al. **J Exp Zool** 1984 Dec;232(3):475–83 (37 ref.)

Ring neuron control of columellar motor neurons during egg-laying behavior in the pond snail. Jansen RF, et al. **J Neurobiol** 1985 Jan;16(1):1–14

Membrane mechanism of neuroendocrine caudo-dorsal cell inhibition by the ring neuron in the pond snail Lymnaea stagnalis. Jansen RF, et al. **J Neurobiol** 1985 Jan;16(1):15–26

Facilitatory influence of noradrenergic afferents on the excitability of rat paraventricular nucleus neurosecretory cells. Day TA, et al. **J Physiol (Lond)** 1984 Oct;355:237–49

Simultaneous monitoring of electrical and secretory activity in peptidergic neurosecretory terminals of the crab. Stuenkel EL. **J Physiol (Lond)** 1985 Feb;359:163–87

Subfornical organ efferents influence the excitability of neurohypophyseal and tuberoinfundibular paraventricular nucleus neurons in the rat. Ferguson AV, et al. **Neuroendocrinology** 1984 Nov;39(5):423–8

The importance of the peripeduncular nucleus in the neuroendocrine control of sexual behavior and milk ejection in the rat. Hansen S, et al. **Neuroendocrinology** 1984 Dec;39(6):563–72

Synthesis of multiple peptides from a larger precursor in the neuroendocrine caudo-dorsal cells of Lymnaea stagnalis. Geraerts WP, et al. **Neurosci Lett** 1985 May 14;56(2):241–6

Effect of lesion of subcommissural organ on sleep in cat. Sallanon M, et al. **Neurosci Lett** 1984 Aug 24;49(1–2):123–6

Thirst and vasopressin secretion following central administration of angiotensin II in rats with lesions of the septal area and subfornical organ. Iovino M, et al. **Neuroscience** 1985 May;15(1):61–7

Neuroendocrine basis of seasonal reproduction. Karsch FJ, et al. **Recent Prog Horm Res** 1984;40:185–232 (104 ref.)

American Association of Endocrine Surgeons. Presidential address: Coming of age. Friesen SR. **Surgery** 1984 Dec; 96(6):949–56

[What do we need to know in neuroendocrinology?] Schreiber V. **Cas Lek Cesk** 1984 Dec 14;123(50):1524–6 (Eng. Abstr.) **(Cze)**

[Nervous system regulation of exocrine pancreatic secretion in the chicken] Salido GM, et al. **Rev Esp Fisiol** 1985 Mar;

41(1):11-7 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Delayed anovulatory syndrome induced by estradiol in female C57BL/6J mice: age-like neuroendocrine, but not ovarian, impairments. Mobbs CV, et al. **Biol Reprod** 1985 Jun;32(5):1010-7

Haemodynamic and neuroendocrine consequences of stopping smoking—a controlled study. Puddey IB, et al. **Clin Exp Pharmacol Physiol** 1984 Jul-Aug;11(4):423-6

Neuroendocrinological studies of Parkinson disease. Kito S, et al. **Hiroshima J Med Sci** 1984 Sep;33(3):323-9

Discrete lesions of the area postrema abolish radiation-induced emesis in the dog. Harding RK, et al. **Neurosci Lett** 1985 Jan 7;53(1):95-100

Neuroendocrine abnormalities in panic disorder. Roy-Byrne PP, et al. **Psychopharmacol Bull** 1985;21(3):546-50

Hepatic encephalopathy and the neural regulation of hypothalamic pituitary function. Van Thiel DH, et al. **Semin Liver Dis** 1985 Feb;5(1):70-83

Psychosocial events and subsequent illness—a review. Girard DE, et al. **West J Med** 1985 Mar;142(3):358-63

[Neuroendocrine tumors. Biochemical and physiopathological aspects] Dreux C, et al. **C R Soc Biol (Paris)** 1985;179(1):5-20 (Eng. Abstr.) **(Fre)**

[Activity of neurohumoral regulatory systems in the edema syndrome in patients with circulatory failure] Rachinskiĭ ID. **Kardiologiia** 1985 Mar;25(3):104-5 **(Rus)**

SECRETION

Heterogeneity of peptides released by electrically active neuroendocrine caudodorsal cells of Lymnaea stagnalis. Geraerts WP, et al. **Brain Res** 1985 Apr 1;331(1):51-61

Analysis of the secretions of the subcommissural organs of several vertebrate species by use of fluorescent lectins. Meiniel R, et al. **Cell Tissue Res** 1985;239(2):359-64

Secretory activity of the subcommissural organ in Rana temporaria under osmotic stimulation. Vullings HG, et al. **Cell Tissue Res** 1985;241(3):661-70

[Paraneuron] Fujita T. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1928-36 (40 ref.) **(Jpn)**

ULTRASTRUCTURE

Fine structural organization of the subfornical organ. A concise review. Dellmann HD. **Brain Res Bull** 1985 Jul;15(1):71-8 (33 ref.)

Fine structural cytology of the rat subfornical organ during ontogenesis. Dellmann HD, et al. **Brain Res Bull** 1984 Jul;13(1):135-45

Daily fluctuations of nucleoli in neurosecretory cells of the rat supraoptic nucleus. An ultrastructural and stereological study. Bessone R, et al. **Cell Tissue Res** 1985;240(2):393-6

Neuroendocrine differentiation in basal cell carcinomas: a retrospective immunohistochemical and ultrastructural study. Visser R, et al. **J Cutan Pathol** 1985 Apr;12(2):117-24

Central and peripheral neurosecretory pathways to an insect flight motor nerve. Wasserman AJ. **J Neurobiol** 1985 Jul;16(4):329-46

Ciliated neurons in the paraventricular nuclei in old hamsters. Suarez I, et al. **J Submicrosc Cytol** 1985 Jul;17(3):351-6

Positive desmosome staining in the uranaffin reaction [letter] deMent SH, et al. **Lab Invest** 1985 Apr;52(4):462-3

Ultrastructure and distribution of identified neurosecretory terminals in the sinus gland of the terrestrial isopod Oniscus asellus. Chiang RG, et al. **Tissue Cell** 1985;17(3):405-15

[Ultrastructure of the neurosecretory cells of the anterior commissural nucleus of the hypothalamus in rats] Chernigovskaia EV, et al. **Tsitologiia** 1985 Mar;27(3):345-7 (Eng. Abstr.) **(Rus)**

NEUROSES see NEUROTIC DISORDERS

NEUROSES, ANXIETY see ANXIETY DISORDERS

NEUROSES, NEURASTHENIC see NEURASTHENIA

NEUROSES, PHOBIC see PHOBIC DISORDERS

NEUROSES, POST-TRAUMATIC see STRESS DISORDERS, POST-TRAUMATIC

NEUROSIS, DEPRESSIVE see DEPRESSIVE DISORDER

NEUROSIS, HYPOCHONDRIACAL see HYPOCHONDRIASIS

NEUROSIS, OBSESSIVE-COMPULSIVE see OBSESSIVE-COMPULSIVE DISORDER

NEUROSPORA

ANALYSIS

Structure of the cell wall proteogalactomannan from Neurospora crassa. II. Structural analysis of the polysaccharide part. Nakajima T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1013-20

Structure of the cell wall proteogalactomannan from Neurospora crassa. I. Purification of the proteoheteroglycan and characterization of alkali-labile oligosaccharides. Nakajima T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1005-11

A water-soluble form of porin from the mitochondrial outer membrane of Neurospora crassa. Properties and relationship to the biosynthetic precursor form. Pfaller R, et al. **J Biol Chem** 1985 Jul 5;260(13):8188-93

DRUG EFFECTS

Effect of pH on the mutagenic and killing potencies of ICR-170 in ad-3 tests of Neurospora crassa. Whong WZ, et al. **Mutat Res** 1985 Jan-Feb;142(1-2):19-22

ENZYMOLOGY

Purification of the Neurospora crassa plasma membrane H+-ATPase by high-pressure liquid chromatography in the presence of sodium dodecyl sulfate. Sussman MR. **Anal Biochem** 1984 Oct;142(1):210-4

Ornithine transcarbamylase from Neurospora crassa: purification and properties. Bates M, et al. **Arch Biochem Biophys** 1985 May 15;239(1):172-83

In vitro reconstitution of nitrate reductase activity of the Neurospora crassa mutant nit-1: specific incorporation of molybdopterin. Kramer S, et al. **Arch Biochem Biophys** 1984 Sep;233(2):821-9

A basal unit of valine-sensitive acetolactate synthase of Neurospora crassa. Tanaka H, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):418-23

The 3-dehydroquinate synthase activity of the pentafunctional arom enzyme complex of Neurospora crassa is Zn2+-dependent. Lambert JM, et al. **Biochem J** 1985 Mar 15;226(3):817-29

Functional domains involved in aromatic amino acid biosynthesis. Coggins JR, et al. **Biochem Soc Trans** 1985 Apr;13(2):299-303

Preparation of a cell-free translation system from a wild-type strain of Neurospora crassa and translation of pyruvate kinase messenger RNA. Devchand M, et al. **Biosci Rep** 1984 Nov;4(11):979-86

Comparison of the mitochondrial endonucleases from Neurospora crassa and Saccharomyces cerevisiae. von Tigerstrom RG, et al. **Can J Microbiol** 1985 Jul;31(7):654-6

The primary structure of the iron-sulfur subunit of ubiquinol-cytochrome c reductase from Neurospora, determined by cDNA and gene sequencing. Harnisch U, et al. **Eur J Biochem** 1985 May 15;149(1):95-9

Processing peptidase of Neurospora mitochondria. Two-step cleavage of imported ATPase subunit 9. Schmidt B, et al. **Eur J Biochem** 1984 Nov 2;144(3):581-8

Photoregulation of some enzymes from Neurospora crassa. Ram S, et al. **Experientia** 1984 Dec 15;40(12):1382-4

Effect of phosphate levels on the synthesis of acid phosphatases (EC 3.1.3.2) in Neurospora crassa. Rodrigues SA, et al. **Genet Res** 1985 Jun;45(3):239-49

Inducible beta-oxidation pathway in Neurospora crassa. Kionka C, et al. **J Bacteriol** 1985 Jan;161(1):153-7

Size of the plasma membrane H+-ATPase from Neurospora crassa determined by radiation inactivation and comparison with the sarcoplasmic reticulum Ca2+-ATPase from skeletal muscle. Bowman BJ, et al. **J Biol Chem** 1985 Jul 25;260(15):8726-30

Primary structure of copper-zinc superoxide dismutase from Neurospora crassa. Lerch K, et al. **J Biol Chem** 1985 Aug 15;260(17):9559-66

Acetylglutamate kinase-acetylglutamyl-phosphate reductase complex of Neurospora crassa. Evidence for two polypeptides. Wandinger-Ness AU, et al. **J Biol Chem** 1985 May 25;260(10):5974-8

Carbon source regulation of nicotinamide adenine dinucleotide (phosphate) glycohydrolase in Neurospora crassa: induction and repression of enzyme synthesis. Jorge JA, et al. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1563-8

Preparation of immobilized NAD glycohydrolase from Neurospora crassa conidia by hydrophobic interaction—characteristics of the enzyme derivative. Pace M, et al. **Prep Biochem** 1984;14(4):349-62

[Detection and intracellular localization of 2 polyphosphate phosphohydrolases with different substrate specificities in the slime variant of Neurospora crassa] Trilisenko LV, et al. **Dokl Akad Nauk SSSR** 1985;280(3):763-5 **(Rus)**

GENETICS

Mutagenicity of 2-aminopurine, 6-N-hydroxylaminopurine, and 2-amino-N6-hydroxyadenine in Neurospora crassa. de Serres FJ, et al. **Basic Life Sci** 1985;31:381-9 (16 ref.)

Neurospora glucamylase and a mutant affected in its regulation. Sigmund RD, et al. **Biochem Genet** 1985 Feb;23(1-2):89-103

Insertion of a foreign nucleotide sequence into mitochondrial DNA causes senescence in Neurospora intermedia. Bertrand H, et al. **Cell** 1985 Jul;41(3):877-84

RNA splicing in neurospora mitochondria: self-splicing of a mitochondrial intron in vitro. Garriga G, et al. **Cell** 1984 Dec;39(3 Pt 2):631-41

Identification of the polypeptide encoded by the URF-1 gene of Neurospora crassa mtDNA. Zauner R, et al. **Eur J Biochem** 1985 Aug 1;150(3):447-54

The Neurospora mitochondrial genome: the region coding for the polycistronic cytochrome oxidase subunit I transcript is preceded by a transfer RNA gene. de Vries H, et al. **FEBS Lett** 1985 Jan 7;179(2):337-42

Molecular characterization of the qa-4 gene of Neurospora crassa. Rutledge BJ. **Gene** 1984 Dec;32(3):275-87

Circadian rhythms in Neurospora crassa: interactions between clock mutations. Lakin-Thomas PL, et al. **Genetics** 1985 Jan;109(1):49-66

Neurospora trehalase and its structural gene. White C, et al. **Genetics** 1985 Jun;110(2):217-27

Regulation of amino acid utilization in Neurospora crassa: effect of nmr-1 and ms-5 mutations. DeBusk RM, et al. **J Bacteriol** 1984 Nov;160(2):656-61

Genetic control of chromatin structure 5' to the qa-x and qa-2 genes of Neurospora. Baum JA, et al. **J Mol Biol** 1985 Mar 5;182(1):79-89

Two intervening sequences in the ATPase subunit 6 gene of Neurospora crassa. A short intron (93 base-pairs) and a long intron that is stable after excision. Morelli G, et al. **J Mol Biol** 1984 Sep 25;178(3):491-507

Effect of alpha-isopropylmalate on the synthesis of RNA and protein in Neurospora. Armaleo D, et al. **MGG** 1985;200(2):346-9

Circadian rhythms in Neurospora crassa: the effects of point mutations on the proteolipid portion of the mitochondrial ATP synthetase. Brody S, et al. **MGG** 1985;200(1):155-61

Cloning of the ARO cluster gene of Neurospora crassa and its expression in Escherichia coli. Catcheside DE, et al. **MGG** 1985;199(3):446-51

Changes in gene expression elicited by amino acid limitation in Neurospora crassa strains having normal or mutant cross-pathway amino acid control. Flint HJ. **MGG** 1985;200(2):283-90

Growth and macromolecular synthesis phenotypes of a heat-sensitive mutant strain, rip-1, of Neurospora crassa. Russell PJ, et al. **MGG** 1985;200(2):247-51

Organization of the ribosomal ribonucleic acid genes in various wild-type strains and wild-collected strains of Neurospora. Russell PJ, et al. **MGG** 1984;196(2):275-82

Isolation and characterization of genes differentially expressed during conidiation of Neurospora crassa. Berlin V, et al. **Mol Cell Biol** 1985 Apr;5(4):849-55

Protein changes during the asexual cycle of Neurospora crassa. Berlin V, et al. **Mol Cell Biol** 1985 Apr;5(4):839-48

Structural gene for ornithine decarboxylase in Neurospora crassa. Eversole P, et al. **Mol Cell Biol** 1985 Jun;5(6):1301-6

Transformation of Neurospora crassa with recombinant plasmids containing the cloned glutamate dehydrogenase (am) gene: evidence for autonomous replication of the transforming plasmid. Grant DM, et al. **Mol Cell Biol** 1984 Oct;4(10):2041-51

Concerted evolution of dispersed Neurospora crassa 5S RNA genes: pattern of sequence conservation between allelic and nonallelic genes. Morzycka-Wroblewska E, et al. **Mol Cell Biol** 1985 Jan;5(1):46-51

Gene disruption by transformation in Neurospora crassa. Paietta JV, et al. **Mol Cell Biol** 1985 Jul;5(7):1554-9

DNA-DNA and DNA-protein crosslinking and repair in Neurospora crassa following exposure to nitrogen mustard. Baker JM, et al. **Mutat Res** 1984 Nov-Dec;132(5-6):171-9

Effect of the homokaryotic or heterokaryotic state of the uvs-2 allele in Neurospora crassa on mitomycin C-induced killing and ad-3 mutation. Brockman HE, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):193-202

Structure of a Neurospora RNA polymerase I promoter defined by transcription in vitro with homologous extracts. Tyler BM, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4311-32

Distinct roles of putrescine and spermidine in the regulation of ornithine decarboxylase in Neurospora crassa. Davis RH, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4105-9

Identification and chromosomal distribution of 5S rRNA genes in Neurospora crassa. Metzenberg RL, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2067-71

Accurate transcription of cloned Neurospora RNA polymerase II-dependent genes in vitro by homologous soluble extracts. Tyler BM, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5450-4

The unusual varl gene of yeast mitochondrial DNA. Butow RA, et al. **Science** 1985 Jun 28;228(4707):1496-501

GROWTH & DEVELOPMENT

Unsaturated fatty acid isomers: effects on the circadian rhythm of a fatty-acid-deficient Neurospora crassa mutant. Mattern DL. **Arch Biochem Biophys** 1985 Mar;237(2):402-7

METABOLISM

A regulatory protein for orthophosphate-regulated cyclic phosphodiesterase in Neurospora crassa. Shinohara Y, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1015-9

The kinetics of changes in the fatty acid composition of Neurospora crassa lipids after a temperature increase. Vokt JP, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):176-82

A two-dimensional immunoelectrophoretic analysis of the heat-shock response exhibited by Neurospora crassa cells. Kapoor M, et al. **Can J Biochem Cell Biol** 1984 Aug;62(8):691-8

RNA processing in Neurospora crassa mitochondria: use of transfer RNA sequences as signals. Breitenberger CA, et al. **EMBO J** 1985 Jan;4(1):185-95

RNA processing in Neurospora crassa mitochondria: transfer RNAs punctuate a large precursor transcript. Burger G, et al. **EMBO J** 1985 Jan;4(1):197-204

A pantothenate derivative is covalently bound to

NEWARK PUBLIC LIBR

mitochondrial proteins in Neurospora crassa. Lakin-Thomas PL, et al. **Eur J Biochem** 1985 Jan 2; 146(1):141-7

Omega-amidase pathway in the degradation of glutamine in Neurospora crassa. Calderón J, et al. **J Bacteriol** 1985 Feb; 161(2):807-9

Nitrogen regulation of amino acid utilization by Neurospora crassa. DeBusk RM, et al. **J Bacteriol** 1984 Nov; 160(2):493-8

Evidence for a common siderophore transport system but different siderophore receptors in Neurospora crassa. Huschka H, et al. **J Bacteriol** 1985 May;162(2):715-21

Heat shock response of Neurospora crassa: protein synthesis and induced thermotolerance. Plesofsky-Vig N, et al. **J Bacteriol** 1985 Jun;162(3):1083-91

Studies on the induction of aryl hydrocarbon(benzo[a]pyrene) hydroxylase in Neurospora crassa, and its suppression by sodium selenite. Kapoor M, et al. **Xenobiotica** 1984 Dec;14(12):903-15

ULTRASTRUCTURE

Chitosomes from the wall-less 'slime' mutant of Neurospora crassa. Bartnicki-Garcia S, et al. **Arch Microbiol** 1984 Oct; 139(2-3):105-12

NEUROSPORA CRASSA see under **NEUROSPORA**

NEUROSURGERY

Proceedings of the congress of the Società Italiana di Neurochirurgia, Bari, September 20-October 1st, 1983. Abstracts. **Acta Neurochir (Wien)** 1984;73(1-2):77-152

Experiments on spreading depression in relation to migraine and neurosurgery. Gardner-Medwin AR, et al. **An Acad Bras Cienc** 1984 Dec;56(4):423-30

The jury is still out in the case of isoflurane versus halothane in neurosurgical patients [letter] Azar I, et al. **Anesthesiology** 1984 Dec;61(6):786-8

Perioperative prevention of infection in neurosurgery. Voth D. **Antibiot Chemother** 1985;33:165-83 (50 ref.)

Abstracts: 22nd annual meeting of the Japanese Society for Stereotactic and Functional Neurosurgery. Osaka, October 1983. **Appl Neurophysiol** 1984;47(1-2):77-94

Inhalation anaesthetic agents in neurosurgery. Frost EA. **Br J Anaesth** 1984;56 Suppl 1:47S-56S (53 ref.)

Importance of neurosurgical consultation after ultrasonic diagnosis of fetal hydrocephalus. Murphy S, et al. **Br Med J [Clin Res]** 1984 Nov 3;289(6453):1212-3

Epidemic spread of Acinetobacter calcoaceticus in a neurosurgical department analyzed by electronic data processing. Gerner-Smidt P, et al. **J Hosp Infect** 1985 Jun; 6(2):166-74

Proceedings of the Society of British Neurological Surgeons. Belfast, 5-6 April 1984. Abstracts. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1141-7

Report of the Research Subcommittee of the Joint Committee on Education of the American Association of Neurological Surgeons and the Congress of Neurological Surgeons. **J Neurosurg** 1985 Jul;63(1):144-9

Wide variation in risk of wound infection following clean neurosurgery. Implications for perioperative antibiotic prophylaxis. Tenney JH, et al. **J Neurosurg** 1985 Feb; 62(2):243-7

William T. Peyton Society 1960-1985. **Minn Med** 1985 Jul; 68(7):512-3

Symposium on neurosurgery. **Neurol Clin** 1985 May; 3(2):212-469

Declaration of brain death in neurosurgical and neurological practice. Black PM, et al. **Neurosurgery** 1984 Aug; 15(2):170-4

Professional liability and potential liability. Fager CA. **Neurosurgery** 1985 Jun;16(6):866-72

Cumulative index. Volumes 1-20, 1973-1983. **Surg Neurol** 1985 Jan;23(1 Suppl):1s-121s

Leonard I. Malis. Berman AJ. **Surg Neurol** 1985 May; 23(5):464-7

Research and training [editorial] Bucy PC. **Surg Neurol** 1985 Apr;23(4):448

Francis John Gillingham. Harris P. **Surg Neurol** 1985 Apr; 23(4):339-41

Guy Lazorthes. Lazorthes Y. **Surg Neurol** 1985 Feb; 23(2):96-7

Dwight Parkinson. Shields CB. **Surg Neurol** 1985 Apr; 23(4):342-5

Zdeněk Kunc. Sourek K. **Surg Neurol** 1985 May;23(5):461-3

[The role of neurovascular microsurgery in modern reconstructive surgery] Fára M, et al. **Rozhl Chir** 1985 Feb; 64(2):65-74 (Eng. Abstr.) **(Cze)**

[Organization of work at the department of pediatric neurosurgery] Pařízek J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1982;25(5):477-82 (Eng. Abstr.) **(Cze)**

[Use of Doppler ultrasonics in the prevention of gas emboli in surgery of the posterior fossa. Visualization of the phenomenon on a cathode screen] Dardenne G. **Agressologie** 1985 May;26(5):445-6 **(Fre)**

[Problems posed by anesthesia for surgery of the posterior fossa] Forster A. **Agressologie** 1985 Apr;26(4):335-6 **(Fre)**

[Prevention of gas embolism during orthostatic surgery: prefatory remarks on the role of PEEP and anesthetic pharmacology] Hachet JL, et al. **Agressologie** 1985 May; 26(5):441-3 (Eng. Abstr.) **(Fre)**

[Neuroleptanalgesia under intubation with a laughing gas/oxygen mixture for important neurosurgery in swine (Sus scrofa)] Conzen M, et al. **DTW** 1984 Nov 22; 91(11-12):396-7 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Our experience with naloxone in standard neurosurgical practice] Lajoix M, et al. **Agressologie** 1984 May; 25(6):709-12 (Eng. Abstr.) **(Fre)**

ECONOMICS

[Neurosurgery and its costs] de Tribolet N. **Rev Med Suisse Romande** 1984 Nov;104(11):943-8 **(Fre)**

EDUCATION

Remarks to the neurosurgical residents. Fisher CM. **Clin Neurosurg** 1983;31:54-7

Priority one: education in neurosurgery. King RB. **Clin Neurosurg** 1983;31:64-74

Presidential address: medical competence--education and ethics. Tew JM Jr. **Clin Neurosurg** 1983;31:1-8

Academic clinicians without residency training programs. Greenblatt SH, et al. **J Med Educ** 1985 Aug;60(8):641-4

Residency training in neurological surgery, 1934-1984: evolution over 50 years of trial and tribulation. The 1984 AANS presidential address. Pevehouse BC. **J Neurosurg** 1984 Dec;61(6):999-1004

Laser workshops in neurological surgery. Brown JT, et al. **Lasers Surg Med** 1984;4(3):241-6

Basic neuroscientist in a neurosurgical department. Is the experiment working? Bloedel JR. **Minn Med** 1985 Jul; 68(7):518-9

Residency programs in neurological surgery. United States and Canada. **Neurosurgery** 1985 Jul;17(1 Pt 2):135-252

Neurosurgical training in the countries of the Middle East: a summary round table discussion held at the annual meeting of the Middle East Neurosurgical Society, April 1983, Athens, Greece. Al-Mefty O. **Neurosurgery** 1985 Mar;16(3):431-3

Observations on the selection of neurosurgical residents. Rovit RL. **Neurosurgery** 1984 Oct;15(4):597-9

Neurosurgical residency programs [editorial] Bucy PC. **Surg Neurol** 1985 Mar;23(3):324

Selection methods and entry criteria for graduate medical education in neurological surgery. King RB. **Surg Neurol** 1985 Apr;23(4):346-9

HISTORY

'Where I came in': a glimpse of the history of neurosurgery to 1940. Guthkelch AN. **Ariz Med** 1985 Mar;42(3):156-60

Neurology and neurosurgery in Hawaii over 45 years--a personal reminiscence. Cloward RB. **Hawaii Med J** 1984 Dec;43(12):444-8 passim

The need to trace our roots in difficult times. The 1985 AANS presidential address. Goldring S. **J Neurosurg** 1985 Oct;63(4):485-91

Neurosurgery at the University of Minnesota 1937-1985. Chou SN. **Minn Med** 1985 Jul;68(7):505-11

Minnesota Neurological Surgery Department. Reflections on the early days. Titrud LA. **Minn Med** 1985 Jul;68(7):515

History of the European Association of Neurosurgical Societies. Brihaye J. **Neurosurgery** 1984 Aug;15(2):262-4

Presidential address: Tradition in neurosurgery: doing well what has been done before. Laws ER Jr. **Neurosurgery** 1985 Jun;16(6):739-53

The early days of neurosurgery as I remember them, with emphasis on disc surgery. Murphey F. **Neurosurgery** 1985 Aug;17(2):370-2

[25 years of the Neurosurgery Clinic in Prague] Kunc AZ. **Cas Lek Cesk** 1985 Mar 1;124(9):274-7 **(Cze)**

[60th anniversary of the Byelorussian Scientific-Research Institute of Neurology, Neurosurgery and Physiotherapy] Antonov IP, et al. **Zh Nevropatol Psikhiatr** 1985; 85(6):911-4 **(Rus)**

[50th anniversary of the Department of Neuropathology and Neurosurgery of Vitebsk Medical School] Burlutskii AP, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):600-1 **(Rus)**

[Advances in organization and treatment of combined injuries of the frontal sinuses and brain during World War II] Blagoveshchenskaia NS. **Zh Vopr Neirokhir** 1985 Jul-Aug; (3):60-2 **(Rus)**

[Neurosurgical services to the wounded during World War II] Samotokin BA, et al. **Zh Vopr Neirokhir** 1985 Mar-Apr; (2):3-6 **(Rus)**

INSTRUMENTATION

An image processing system for use in neurosurgery. Vries JK, et al. **Clin Neurosurg** 1983;31:75-89

Retraction system for transsphenoidal surgery. Technical note. Kobayashi S, et al. **J Neurosurg** 1985 Feb;62(2):307-9

Dynamic intraoperative imaging and instrumentation of brain and spinal cord using ultrasound. Dohrmann GJ, et al. **Neurol Clin** 1985 May;3(2):425-37

Ultrasonic aspiration in neurosurgery. Brock M, et al. **Neurosurg Rev** 1984;7(2-3):173-7

The SHARPLAN family of CO2 lasers for surgery. Dagan J. **Neurosurg Rev** 1984;7(2-3):113-121

Biophysical basis and technical requisites for the use of Nd-YAG laser in neurosurgery. Frank F. **Neurosurg Rev** 1984;7(2-3):145-50

Combined retractor and hand-rest system for neurosurgery. Gilsbach JM, et al. **Neurosurg Rev** 1984;7(2-3):85-7

An improved neurosurgical system: new operating table, chair, microscope and other instrumentation. Kobayashi S, et al. **Neurosurg Rev** 1984;7(2-3):75-80

Zeiss operating microscopes for neurosurgery. Krampe C. **Neurosurg Rev** 1984;7(2-3):89-97

Operating tables and accessories for neurosurgical operations. Peghini PO. **Neurosurg Rev** 1984;7(2-3):81-4

The carbon dioxide laser surgical unit as an instrument for surgery of brain tumours--its advantages and disadvantages. Takizawa T. **Neurosurg Rev** 1984; 7(2-3):135-44

Automatically controlled bipolar electrocoagulation--'COA-COMP'. Vällfors B, et al. **Neurosurg Rev** 1984;7(2-3):187-9

Efficient atraumatic liquid suction by means of slit suction tubes combined with a pressure control unit. Vällfors B. **Neurosurg Rev** 1984;7(2-3):179-82

Aneurysm clips [letter] McFadden JT. **Neurosurgery** 1984 Nov;15(5):766-7

The use of the Mayfield headrest to perform retinal surgery in the prone position. Schwartz PL, et al. **Ophthalmic Surg** 1984 Sep;15(9):746-8

METHODS

Neurosurgical sonography: intraoperative and postoperative imaging of the brain. Gooding GA, et al. **AJNR** 1984 Sep-Oct;5(5):521-5

Use of intravenous glucose solutions in surgical patients [letter] Newberg LA. **Anesth Analg** 1985 May;64(5):558

Safety of the sitting position [letter] Cucchiara RF. **Anesthesiology** 1984 Dec;61(6):790

A potential microneurosurgical method for the manipulation of the developing nervous system of the postimplantation mouse embryo in utero. I. Injection methods. Ilgren EB, et al. **J Neurosci Methods** 1985 May;13(3-4):191-7

Stereoscopic television system for use with the operating microscope. Technical note. Sugita K, et al. **J Neurosurg** 1985 Apr;62(4):610-1

Doppler techniques and neurosurgery. Eden A. **Neurosurg Rev** 1984;7(2-3):193-7

Intraoperative Doppler and real time sonography in neurosurgery. Gilsbach JM, et al. **Neurosurg Rev** 1984; 7(2-3):199-208

Clinical role of magnetic resonance imaging in the neurosurgical patient. Spetzler RF, et al. **Neurosurgery** 1985 Apr;16(4):511-24

Neurosurgical treatment of chronic pain. Takeda F. **Postgrad Med J** 1984 Dec;60(710):905-13

[Effects of the type of respiration (spontaneous, assisted, with positive expiratory pressure) on the frequency of gas embolism in sitting position surgery] Hachet JL, et al. **Agressologie** 1984 May;25(6):683-4 (Eng. Abstr.) **(Fre)**

[Influence of the position of the patient on intracranial pressure, cerebral perfusion pressure and prevention of gas embolism] Van Aken J, et al. **Agressologie** 1984 May; 25(6):671-3 **(Fre)**

[The neurosurgeon and imaging] Pecker J. **J Radiol** 1984 Nov;65(11):721-5 **(Fre)**

[Use of the laser in neurosurgery] Ouaknine GE. **Union Med Can** 1985 Apr;114(4):326-9 (Eng. Abstr.) **(Fre)**

[Intracranial endoscopy (review of the literature)] Lebedev VV, et al. **Zh Vopr Neirokhir** 1985 Mar-Apr;(2):52-7 (29 ref.) **(Rus)**

[Principles of emergency neurosurgery] Lebedev VV, et al. **Zh Vopr Neirokhir** 1984 Jul-Aug;(4):3-7 **(Rus)**

STANDARDS

Failed aneurysm surgery. Reoperation in 115 cases. Drake CG, et al. **J Neurosurg** 1984 Nov;61(5):848-56

Medical ethics in neurology and neurosurgery. Black PM. **Neurol Clin** 1985 May;3(2):215-28 (42 ref.)

TRENDS

What's new in neurosurgery in the 1980's. Lehman RM. **Alaska Med** 1985 Jan-Mar;27(1):7-9

Neurosurgery: a consumer's view. Schwartz H. **Clin Neurosurg** 1983;31:58-63

Fetal neurosurgery--a new challenge on the horizon. Bannister CM. **Dev Med Child Neurol** 1984 Dec; 26(6):827-30

Perspectives in international neurosurgery: neurosurgery in Kenya. Dar J. **Neurosurgery** 1985 Feb;16(2):267-9

Home medical database telecommunications for the neurosurgeon. Lipow KI, et al. **Neurosurgery** 1984 Nov; 15(5):751-3

Fetal neurosurgery [letter] Saunders RL. **Neurosurgery** 1984 Nov;15(5):765-6

Perspectives in international neurosurgery: neurosurgery in Great Britain. Thomas DG. **Neurosurgery** 1985 Jun; 16(6):873-5

Changing trends in the neurosurgical management of chronic pain. Epstein JA. **Spine** 1985 Jan-Feb;10(1):100-1

Use of the laser in neurosurgery. Cerullo LJ, et al. **Surg Clin North Am** 1984 Oct;64(5):995-1000 (32 ref.)

[Current status and trends in the development of neurosurgery] Fried H. **Zentralbl Neurochir** 1984; 45(2):159-62 (Eng. Abstr.) **(Ger)**

NEUROSYPHILIS

CEREBROSPINAL FLUID

Lumbar puncture in asymptomatic late syphilis. An analysis of the benefits and risks. Wiesel J, et al. **Arch Intern Med** 1985 Mar;145(3):465-8

Cerebrospinal fluid immunoglobulins: their diagnostic role in neurosyphilis. Vejjajiva A, et al. **Asian Pac J Allergy Immunol** 1983 Dec;1(2):140-2

[Positive Wassermann in the spinal fluid. Does it always mean neurosyphilis?] Skjeldal OH. **Tidsskr Nor Laegeforen** 1984 Aug 20;104(23):1523-5 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Fever, headache, and hearing loss in a young homosexual man. Harris RL, et al. **Hosp Pract [Off]** 1985 Sep 15; 20(9):167, 170-2

Neurosyphilis and late onset mental changes in the elderly [letter] Ravi SD, et al. **J Clin Psychiatry** 1984 Nov; 45(11):484

Neuroretinitis in acquired syphilis. Arruga J, et al. **Ophthalmology** 1985 Feb;92(2):262-70

Arthritis in a patient with asymptomatic neurosyphilis. Herman J, et al. **Practitioner** 1985 Jan;229(1399):22-3

Posterior communicating artery aneurism caused by meningovascular syphilis [letter] de Villiers WJ, et al. **S Afr Med J** 1985 Jun 29;67(26):1039

[Early manifestations of neuromeningeal syphilis. Review of the literature apropos of 3 severe forms] Janier M, et al. **Ann Dermatol Venereol** 1985;112(2):133-40 (Eng. Abstr.) **(Fre)**

[Case of progressive open hydrocephalus with normal cerebrospinal fluid pressure in neurosyphilis] Szczechowski L, et al. **Wiad Lek** 1984 Sep 15;37(16):1297-301 (Eng. Abstr.) **(Pol)**

CONGENITAL

Pupillary abnormalities in congenital neurosyphilis. Sundaram MB. **Can J Neurol Sci** 1985 May;12(2):134-5

DIAGNOSIS

Neurosyphilis. Simon RP. **Arch Neurol** 1985 Jun;42(6):606-13

Neurosyphilis: the most common things are most common. Talbot MD, et al. **Genitourin Med** 1985 Apr;61(2):95-8

Periodic EEG pattern in meningovascular syphilis [letter] Radhakrishnan K, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1360-1

Neurosyphilis in the antibiotic era. Burke JM, et al. **Neurology** 1985 Sep;35(9):1368-71

Neurosyphilis: a psychiatric perspective. Rundell JR, et al. **Psychosomatics** 1985 Apr;26(4):287-90, 295 (33 ref.)

[Multiple recurrence in progressive paralysis] Genz A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Dec; 36(12):710-3 (Eng. Abstr.) **(Ger)**

[Results of serological studies of patients with early latent syphilis and its late forms] Volkov AI. **Vestn Dermatol Venerol** 1984 Nov;(11):65-6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Erythromycin intravenous management in neurosyphilis [letter] Lopez-Pousa S, et al. **Neurology** 1985 Oct; 35(10):1535

[Penicillin therapy of neurosyphilis. A treatment which gives treponemicide penicillin concentration levels in the cerebrospinal fluid] Vilming ST, et al. **Tidsskr Nor Laegeforen** 1984 Sep 30;104(27):1919-20 (Eng. Abstr.) **(Nor)**

[Effect of probenecid on penicillin levels of the cerebrospinal fluid and blood serum in patients treated with procaine G penicillin] Stapiński A, et al. **Przegl Dermatol** 1984 Jul-Aug;71(4):375-82 (Eng. Abstr.) **(Pol)**

[Penicillin levels of the cerebrospinal fluid and serum of patients treated with procaine penicillin in daily doses of 2,4 million units] Stapiński A, et al. **Przegl Dermatol** 1984 May-Jun;71(3):245-51 (Eng. Abstr.) **(Pol)**

[Problem of the low effectiveness of delayed-action penicillin in neurosyphilis in the light of clinical observations] Starzycki Z. **Przegl Dermatol** 1985 Jan-Feb;72(1):65-9 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Adenovirus ELISA for the evaluation of cerebrospinal fluid in patients with suspected neurosyphilis. Cerny EH, et al. **Am J Clin Pathol** 1985 Oct;84(4):505-8

Demonstration of locally synthesized immunoglobulin M antibodies to Treponema pallidum in the central nervous system of patients with untreated neurosyphilis. Müller F, et al. **J Neuroimmunol** 1984 Nov;7(1):43-54

[Immunology of neurosyphilis: intrathecal synthesis of Treponema pallidum-specific IgG and IgM antibodies] Moskophidis M, et al. **Immun Infekt** 1985 May;13(3):91-8 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Neurosyphilis. Changes in its hospital incidence in a span of 14 years] Giménez-Roldán S, et al. **Rev Clin Esp** 1984 Aug 15-31;174(3-4):91-4 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Cerebral gumma. Case report. Hwang WZ, et al. **J Neurosurg** 1985 Aug;63(2):301-3

Cerebellopontine angle gumma. Eltomey AA, et al. **Neurosurgery** 1984 Aug;15(2):252-3

RADIONUCLIDE IMAGING

Brain scan: a useful tool in detection of neurosyphilis [letter] Carrier L, et al. **J Nucl Med** 1985 Feb;26(2):209-11

THERAPY

The malariatherapy of neurosyphilis. Chernin E. **J Parasitol** 1984 Oct;70(5):611-7

NEUROTENDINOUS SPINDLES see under **MECHANORECEPTORS**

NEUROTENSIN

ANALOGS & DERIVATIVES

Molecular properties of neurotensin receptors in rat brain. Identification of subunits by covalent labeling. Mazella J, et al. **J Biol Chem** 1985 Jan 10;260(1):508-14

[Effect of natural neurotensin and its analog on gastric secretion and levels of various peptides in dog blood] Barashkova GM, et al. **Fiziol Zh SSSR** 1985 Feb; 71(2):200-5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Alterations in regional brain concentrations of neurotensin and bombesin in Parkinson's disease. Bissette G, et al. **Ann Neurol** 1985 Apr;17(4):324-8

The effects of chronic neuroleptic treatment on neurotensin-like immunoreactivity in the rat central nervous system. Goedert M, et al. **Brain Res** 1985 Jun 3; 335(2):334-6

The comparative distribution of xenopsin- and neurotensin-like immunoreactivity in Xenopus laevis and rat tissues. Goedert M, et al. **Brain Res** 1984 Aug 13; 308(2):273-80

Effects of phencyclidine administration on behavior and brain neurotensin-like immunoreactivity in rats. Wachi M, et al. **Brain Res** 1985 May 6;333(2):393-6

A quantitative, immunochemical demonstration of the postnatal development of neurotensin in the medial preoptic area of the rat. Wolfson B, et al. **Brain Res** 1985 Feb; 350(1-2):241-50

Distribution of NT-IR perikarya in the brain of the guinea pig with special reference to cardiovascular centers in the medulla oblongata. Triepel J, et al. **Histochemistry** 1984; 81(6):509-16

Neurotensin immunoreactivity in post-mortem brain is increased in Down's syndrome but not in Alzheimer-type dementia. Yates CM, et al. **J Neurol Sci** 1985 Mar; 67(3):327-35

The application of enzyme-linked immunosorbent assays (ELISA) to neuropeptides. Davis LG, et al. **J Neurosci Methods** 1985 Jun;14(1):15-23

Ultrastructural immunocytochemical studies on CCK-and neurotensin-like immunoreactivity in the nucleus accumbens of the rat. Johansson O, et al. **Med Biol** 1984; 62(6):318-22

Primary explants as a model of the hypothalamus in situ. Baldino F Jr, et al. **Peptides (Fayetteville)** 1985 Mar-Apr; 6(2):249-56

Distribution of neurotensin-like immunoreactivity in rat and cat area postrema. Newton BW, et al. **Peptides (Fayetteville)** 1985 Mar-Apr;6(2):301-6

Bombesin, neurotensin and pro-gamma-melanotropin immunoreactants in human milk. Ekman R, et al. **Regul Pept** 1985 Mar;10(2-3):99-105

Distribution of neurotensin in the canine gastrointestinal tract. Doyle H, et al. **Surgery** 1985 Mar;97(3):337-41

ANTAGONISTS & INHIBITORS

Forskolin inhibits histamine release by neurotensin in the rat perfused hind limb. Kérouac R, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug; 45(2):309-12

BIOSYNTHESIS

Lung tumour cell lines synthesizing peptide hormones established from tumours of four histological types: characterization of the cell lines and analysis of their peptide hormone production. Luster W, et al. **Br J Cancer** 1985 Jun;51(6):865-75

Neurotensin is produced by and secreted from classic small cell lung cancer cells. Moody TW, et al. **Life Sci** 1985 May 6;36(18):1727-32

BLOOD

The role of neurotensin in human gallbladder motility. Walker JP, et al. **Ann Surg** 1985 Jun;201(6):678-83

Neurotensin, vasoactive intestinal peptide, and Roux-en-Y gastrojejunostomy. Their role in the dumping syndrome. Sirinek KR, et al. **Arch Surg** 1985 May;120(5):605-9

Quantitation and characterization of human plasma neurotensin-like immunoreactivity in response to a meal. Lee YC, et al. **Dig Dis Sci** 1985 Feb;30(2):129-33

Plasma levels of neurotensin in gastroplasty for morbid obesity. Miskowiak J, et al. **Regul Pept** 1984 Nov;9(4):263-9

Plasma enteroglucagon and neurotensin levels in gnotobiotic calves infected with enteropathogenic and non-enteropathogenic viruses. Hall GA, et al. **Res Vet Sci** 1985 Jan;38(1):99-103

CEREBROSPINAL FLUID

Cholecystokinin and neurotensin gradients in human CSF. Tamminga CA, et al. **Arch Neurol** 1985 Apr;42(4):354-5

IMMUNOLOGY

Changes in neurotensin-like immunoreactivity during menopausal hot flashes. Kronenberg F, et al. **J Clin Endocrinol Metab** 1985 Jun;60(6):1081-6

METABOLISM

Immunoreactive neurotensin in spontaneous syndromes of obesity and diabetes in mice. Sheppard MC, et al. **Acta Endocrinol (Copenh)** 1985 Apr;108(4):532-6

Immunohistochemical localization of neurotensin in hamster adrenal medulla. Pelto-Huikko M, et al. **Anat Rec** 1985 Apr;211(4):458-64

Loss of high affinity neurotensin receptors in substantia nigra from parkinsonian subjects. Sadoul JL, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):395-404

GRF (somatocrinin) stimulates release of neurotensin, calcitonin and cAMP by a rat C cell line. Zeytin F, et al. **Biochem Biophys Res Commun** 1984 Sep 17; 123(2):497-506

Neurotensin degradation by soluble and membrane-associated enzymes from the brain. Emson PC, et al. **Biochem Soc Trans** 1985 Feb;13(1):53-4

The ontogenetic development of neurotensin-like immunoreactivity and neurotensin receptors in the cat striatum. Goedert M, et al. **Brain Res** 1985 May; 352(1):127-31

Monosodium glutamate lesions in rat hypothalamus studied by immunohistochemistry for gonadotropin releasing hormone, neurotensin, tyrosine hydroxylase, and glutamic acid decarboxylase and by autoradiography for [3H] estradiol. Jennes L, et al. **Brain Res** 1984 Aug 13; 308(2):245-53

Immunohistochemical localization of neurotensin and beta-endorphin in the rat anterior pituitary gland. Miyoshi R, et al. **Brain Res** 1985 Apr 8;331(2):386-8

Parkinson's disease: depletion of substantia nigra neurotensin receptors. Uhl GR, et al. **Brain Res** 1984 Aug 6; 308(1):186-90

The use of a rat isolated ileal preparation to investigate the release of neurotensin. Gill SS, et al. **Clin Exp Pharmacol Physiol** 1984 Sep-Oct;11(5):457-65

A metastatic endocrine-neurogenic tumor of the ampulla of Vater with multiple endocrine immunoreaction--malignant paraganglioma? Büchler M, et al. **Digestion** 1985;31(1):54-9

Alcohol and fatty acid stimulation of neurotensin release from rat small intestine. Ferris CF, et al. **Endocrinology** 1985 Mar;116(3):1133-8

Postprandial release of neurotensin-like immunoreactivity and its mechanism. Matsumura M, et al. **Gastroenterol Jpn** 1984 Dec;19(6):543-9

Molecular properties of neurotensin receptors in rat brain. Identification of subunits by covalent labeling. Mazella J, et al. **J Biol Chem** 1985 Jan 10;260(1):508-14

Ion-exchange, gel-filtration and reversed-phase high-performance liquid chromatography in the isolation of neurotensin-degrading enzymes from rat brain. McDermott JR, et al. **J Chromatogr** 1984 Jul 27;296:231-9

Inactivation of neurotensin by rat brain synaptic membranes. Cleavage at the Pro10-Tyr11 bond by endopeptidase 24.11 (enkephalinase) and a peptidase different from proline-endopeptidase. Checler F, et al. **J Neurochem** 1984 Nov;43(5):1295-301

Co-localization of neurotensin-like immunoreactivity and 3H-glycine uptake system in sustained amacrine cells of turtle retina. Weiler R, et al. **Nature** 1984 Oct 25-31; 311(5988):759-61

Influence of ascending noradrenergic fibers on the neurotensin-like immunoreactive perikarya and evidence of direct projection of ascending neurotensin-like immunoreactive fibers in the rat central nucleus of the amygdala. Kawakami F, et al. **Neurosci Lett** 1984 Oct 12; 51(2):225-30

Morphological survey of neurotensin-like immunoreactive neurons in the hypothalamus. Ibata Y, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:109-20

Characterization of neurotensin binding to rat gastric smooth muscle receptor sites. Kitabgi P, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):917-23

Ultrastructural study of neurotensin immunoreactivity in the superficial laminae of the dorsal horn of the rat. Seybold VS, et al. **Peptides (Fayetteville)** 1984 Nov-Dec; 5(6):1179-89

Hydrolysis of substance p and neurotensin by converting enzyme and neutral endopeptidase. Skidgel RA, et al. **Peptides (Fayetteville)** 1984 Jul-Aug;5(4):769-76

PHARMACODYNAMICS

Neurotensin: a central neuromodulator of gastrointestinal

NEWARK PUBLIC LIBRARY

motility in the dog. Bueno L, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G15-9

Involvement of arachidonate metabolism in neurotensin-induced prolactin release in vitro. Canonico PL, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E257-63

Dopamine D2 receptors modulate neurotransmitter-regulated calcium ion gates. Memo M, et al. **Ann Ist Super Sanita** 1984;20(1):5-10

Regulation of cyclic GMP levels by neurotensin in neuroblastoma clone N1E115. Amar S, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):117-25

Structure-antinociceptive activity studies with neurotensin. Furuta S, et al. **Br J Pharmacol** 1984 Sep;83(1):43-8

Postsynaptic actions of neurotensin on preoptic-anterior hypothalamic neurons in vitro. Baldino F Jr, et al. **Brain Res** 1985 Jan 28;325(1-2):161-70

A mechanism for the analgesic effect of neurotensin as revealed by behavioral and electrophysiological techniques. Behbehani MM, et al. **Brain Res** 1984 Dec 17;324(1):35-42

Neurotensin stimulates inositol phospholipid hydrolysis in rat brain slices. Goedert M, et al. **Brain Res** 1984 Dec 3;323(1):193-7

Microinjection of neurotensin into the ventral tegmental area produces hypothermia: evaluation of dopaminergic mediation. Kalivas PW, et al. **Brain Res** 1985 Feb 11;326(2):219-27

Possible involvement of serotonergic neurotransmission in neurotensin but not morphine analgesia. Long JB, et al. **Brain Res** 1984 Sep 17;310(1):35-41

Neurotensin depolarizes substantia nigra dopamine neurones. Pinnock RD. **Brain Res** 1985 Jul 8;338(1):151-4

Vascular actions of VIP, substance P and neurotensin on the isolated perfused human fetal placenta. de Moura RS, et al. **Contrib Gynecol Obstet** 1985;13:174-5

Effect of vagal blockade on food- and hormone-stimulated release of pancreatic polypeptide and motilin in dogs. Greenberg GR, et al. **Dig Dis Sci** 1985 Oct;30(10):946-53

Effects of neurotensin on the isolated mouse distal colon. Fontaine J, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):141-7

Effect of neurotensin, substance P and TRH on the regulation of dopamine receptors in rat brain. Simasko SM, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):653-6

Neurotensin diminishes grooming and stimulates paper shredding behavior induced by water immersion of rats. Van Wimersma Greidanus TJ, et al. **Eur J Pharmacol** 1985 Jan 22;108(2):201-3

Anti-writhing activity of some peptides related to neurotensin and tuftsin. Nicolaides ED, et al. **Int J Pept Protein Res** 1985 Apr;25(4):435-41

Neurotensin enhances estradiol induced DNA synthesis in immature rat uterus. Mistry A, et al. **Life Sci** 1985 May 27;36(21):2063-7

The effect of neurotensin on the concentration of cholesterol and bile acids in the guinea pig. Peric-Golia L, et al. **Lipids** 1984 Oct;19(10):749-55

The effects of neurotensin and [D-Tyr11]-NT on the hyperactivity induced by intra-accumbens administration of a potent dopamine receptor agonist. Jolicoeur FB, et al. **Neuropeptides** 1985 Apr;6(2):143-56

Relationships between structure and duration of neurotensin's central action: emergence of long acting analogs. Jolicoeur FB, et al. **Neuropeptides** 1984 Nov;4(6):467-76

Influence of histamine and prostaglandin on desensitization to neurotensin in rat blood pressure. Oishi M, et al. **Neuropeptides** 1984 Sep;4(5):351-9

Release of mast cell mediators, vasoconstriction and edema in the isolated, perfused head of the rat following intracarotid infusion of neurotensin. Rioux F, et al. **Neuropeptides** 1985 Mar;6(1):1-12

There are receptors for neurotensin in the caudate nucleus and posterior hypothalamus. Suvorov NF, et al. **Neurosci Behav Physiol** 1984 Sep-Oct;14(5):416-20

Histamine release by neurotensin in the rat hindquarter: structure-activity studies. Kerouac R, et al. **Peptides (Fayetteville)** 1984 Jul-Aug;5(4):695-9

Characterization of the histamine releasing effect of neurotensin in the rat heart. Rioux F, et al. **Peptides (Fayetteville)** 1985 Jan-Feb;6(1):121-5

Role of brain neurotransmitters on neurotensin-induced gastric cytoprotection. Hernandez DE, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):509-13

Motor hypoactivity induced by neurotensin and related peptides in mice. Meisenberg G, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):189-93

Neurotensin and bombesin, a relationship between their effects on body temperature and locomotor activity? van Wimersma Greidanus TB, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):197-202

Role of the autonomic nervous system in the cytoprotective effect of neurotensin against gastric stress ulcers in rats. Orlando RC, et al. **Psychoneuroendocrinology** 1985;10(2):149-57

Behavioral analysis of the effect of neurotensin injected into the ventral mesencephalon on investigatory and spontaneous motor behavior in the rat. Cador M, et al. **Psychopharmacology (Berlin)** 1985;85(2):187-96

Neurotensin-induced colonic motor responses in dogs: a mediation by prostaglandins. Bardon T, et al. **Regul Pept** 1985 Mar;10(2-3):107-14

Effects of neurotensin on glycogenolysis in isolated rat hepatocytes. Matsumura M, et al. **Tokushima J Exp Med** 1984 Jun;31(1-2):9-12

[Cyclic AMP content of the blood, brain, stomach, adrenals and duodenum after administration of neurotensin and cholecystokinin] Andreanova MV, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):258-61 **(Rus)**

[Effect of natural neurotensin and its analog on gastric secretion and levels of various peptides in dog blood] Barashkova GM, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):200-5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neurotensin. Immunohistochemical localization in central and peripheral nervous system and in endocrine cells and its functional role as neurotransmitter and endocrine hormone. Reinecke M. **Prog Histochem Cytochem** 1985;16(1):1-172 (459 ref.)

[Interaction of the neuropeptides substance P and neurotensin with central monoamine transmitter systems] Singer E. **Wien Klin Wochenschr** 1984 Nov 23;96(22):809-16 (81 ref.) (Eng. Abstr.) **(Ger)**

[Gastrointestinal hormones and related peptides. V. Neurotensin] Sadowska-Krowicka H, et al. **Postepy Hig Med Dosw** 1984 Jul-Aug;38(4):535-52 (110 ref.) (Eng. Abstr.) **(Pol)**

SECRETION

The effect of atropine and vagal stimulation on the release of neurotensin-like immunoreactivity in man. Eaves ER, et al. **Regul Pept** 1985 May;11(1):1-10

Importance of the ileum in neurotensin released by fat. Walker JP, et al. **Surgery** 1985 Aug;98(2):224-9

NEUROTIC DISORDERS

'Compensation neurosis'. An invalid diagnosis. Mendelson G. **Med J Aust** 1985 May 13;142(10):561-4

BLOOD

[Levels of serum proteins in psychiatric patients] Herzog P, et al. **Cesk Psychiatr** 1984 Jun;80(3):165-9 (Eng. Abstr.) **(Cze)**

CLASSIFICATION

Neurotic illness: conserving a threatened concept. Sims AC. **Br J Clin Pharmacol** 1985;19 Suppl 1:9S-15S

Neurosis divisible? [letter] Sashidharan SP, et al. **Lancet** 1985 May 25;1(8439):1210

Neurosis divisible? Tyrer P. **Lancet** 1985 Mar 23;1(8430):685-8

Compensation neurosis [editorial] Ellard J. **Med J Aust** 1985 May 13;142(10):535

[Nosologic independence of neuroses] Zachepitskiĭ RA. **Zh Nevropatol Psikhiatr** 1984;84(9):1412-5 (33 ref.) **(Rus)**

COMPLICATIONS

Head injury, neurosis and accident proneness. Sims AC. **Adv Psychosom Med** 1985;13:49-70 (108 ref.)

The clinical nature and detection of psychiatric disorders in patients with alcoholic liver disease. Ewusi-Mensah I, et al. **Alcohol Alcohol** 1984;19(4):297-302

Neuroticism and personality disorder in depression. Davidson J, et al. **J Affective Disord** 1985 Mar-Apr;8(2):177-82

The relation of chest pain symptoms to angiographic findings of coronary artery stenosis and neuroticism. Costa PT, et al. **Psychosom Med** 1985 May-Jun;47(3):285-93

[Nosography of neuroses. 7. Relation between neurotic syndromes and the spasmophilic syndrome] Barucci M, et al. **Riv Patol Nerv Ment** 1983 Sep-Oct;104(5):201-11 (48 ref.) (Eng. Abstr.) **(Ita)**

[Relation between clinico-physiologic indices of sleep and the nature of stress and reflexotherapy application] Dallakian IG, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):534-9 (Eng. Abstr.) **(Rus)**

[Clinico-psychological analysis of the complaints of patients with neurotic and neurosis-like conditions (based on material from a general-somatic hospital)] Matveev VF, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1683-7 (Eng. Abstr.) **(Rus)**

[Neuroticism and coronariopathies] Padierna Acero JA, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Sep-Oct;12(5):340-6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Neurosis, psychodynamics, and DSM-III. A history of the controversy. Bayer R, et al. **Arch Gen Psychiatry** 1985 Feb;42(2):187-96

A proposed method for measuring change beyond symptoms. Weiss DS, et al. **Arch Gen Psychiatry** 1985 Jul;42(7):703-8

Chronicity and the General Health Questionnaire. Goodchild ME, et al. **Br J Psychiatry** 1985 Jan;146:55-61

Differential diagnosis and treatment of the 'housebound syndrome'. Rapp MS. **Can Med Assoc J** 1984 Nov 1;131(9):1041-4

Borderline and neurotic children: what's the difference anyhow? Rubin SS, et al. **Child Psychiatry Hum Dev** 1984 Fall;15(1):4-20

Statistical manoeuvres in the dark. Remarks on 'An operationalized multisymptomatic model of neuroses (OMMON): toward a reintegration of diagnosis and treatment in behaviour therapy' by I. Hand and W. Zaworka. Burisch M, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(2):86-91

Percentage conversions as a method of enhancing clinical discriminations. Wagner EE, et al. **J Pers Assess** 1984 Dec;48(6):617-9

[Work capacity evaluation of subjects with neurotic disorders] Foerster K. **Lebensversicherungsmedizin** 1985 Mar 1;37(2):44-6 (Eng. Abstr.) **(Ger)**

[Practice-relevant problems of psychodiagnostically oriented dispensary models] Buhr J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jun;37(6):353-62 (Eng. Abstr.) **(Ger)**

[Nosology and classification in psychiatry based on DSM III with special reference to neuroses and personality disorders] Schuster P. **Psychother Psychosom Med Psychol** 1985 Mar-Apr;35(3-4):75-7 (Eng. Abstr.) **(Ger)**

[Is the concept of neurosis meaningful and necessary?] Titscher E, et al. **Psychother Psychosom Med Psychol** 1985 Mar-Apr;35(3-4):71-4 (Eng. Abstr.) **(Ger)**

[Nosography of the neuroses. 5. Aspects and problems of the neurotic reaction as an adaptive disorder] Barucci M, et al. **Riv Patol Nerv Ment** 1983 May-Jun;104(3):115-27 (Eng. Abstr.) **(Ita)**

[Analysis of selected parameters in a group of patients with pseudoneurotic schizophrenia hospitalized for the first time] Perzyński J. **Psychiatr Pol** 1984 May-Jun;18(3):213-8 (Eng. Abstr.) **(Pol)**

[Neurotic and pseudoneurotic syndromes in patients with symptoms of organic brain damage] Kocur J, et al. **Wiad Lek** 1985 Jan 15;38(2):127-30 (Eng. Abstr.) **(Pol)**

[Characteristics of the clinical picture and course of neurotic disorders in people engaged in diamond cutting] Ryzhkova MN, et al. **Gig Tr Prof Zabol** 1985 Jan;(1):7-11 (Eng. Abstr.) **(Rus)**

[Systems analysis of the state of mental disadaptation as a scientific and methodological basis for studying borderline forms of neuropsychic disorders] Aleksandrovskiĭ IuA. **Vestn Akad Med Nauk SSSR** 1985;(5):61-9 **(Rus)**

[Residual states in the clinical picture of neuroses] Asatiani NM, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1675-9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Chronic treatments in neuropsychiatry. **Adv Biochem Psychopharmacol** 1985;40:1-219

Bromazepam ('Lexotanil') compared with placebo: a double-blind, crossover study. Rey A, et al. **Pharmatherapeutica** 1984;4(1):13-20

[Effect of insulin and its polymeric analogs on learning and memory processes in the rabbit] Bakharev VD, et al. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr;35(2):314-21 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Neuropsychiatric dysfunction in primary Sjögren's syndrome. Malinow KL, et al. **Ann Intern Med** 1985 Sep;103(3):344-50

Neurosis divisible and SLE [letter] Dalgleish AG. **Lancet** 1985 Apr 20;1(8434):931-2

[Stress factors in affective diseases] Bidzińska E. **Psychiatr Pol** 1984 Sep-Oct;18(5):469-75 (40 ref.) **(Pol)**

[Somatic disorders and personality characteristics in patients with recent myocardial infarct] Nasiłowska-Barud A, et al. **Wiad Lek** 1984 Jul 15;37(14):1073-8 (Eng. Abstr.) **(Pol)**

[Dynamics of the induction of experimental neuroses caused by chronic emotional stress] San'kov AN. **Fiziol Zh** 1985 Mar-Apr;31(2):181-4 (Eng. Abstr.) **(Rus)**

[Objective evaluation of neurocirculatory asthenia and psychoemotional disorders in patients with vibration disease] Vasil'eva TF. **Gig Tr Prof Zabol** 1984 Oct;(10):42-3 **(Rus)**

[Psychopathological disorders in somatic diseases] Volkov VS, et al. **Sov Med** 1984;(8):92-5 **(Rus)**

[Experimental neuroses] Aĭrapetiants MG. **Usp Fiziol Nauk** 1985 Apr-Jun;16(2):8-32 (196 ref.) **(Rus)**

[Psychoneurological disorders in patients with severe forms of herpes of the skin and mucous membranes] Golodets RG, et al. **Vestn Dermatol Venerol** 1985 May;(5):57-60 (Eng. Abstr.) **(Rus)**

[Changes in the nervous system during prolonged hypokinesia (clinico-experimental study)] Shaposhnikov EA, et al. **Zh Nevropatol Psikhiatr** 1984;84(12):1761-6 (Eng. Abstr.) **(Rus)**

[Limbic structures of the brain and the pathogenesis of neuroses] Simonov PV. **Zh Nevropatol Psikhiatr** 1984;84(11):1665-70 (Eng. Abstr.) **(Rus)**

[Disorders of statics and dynamics and neuroses in functional disorders of the voice] Krahulec I, et al. **Cesk Otolaryngol** 1985 Mar;34(2):92-5 (Eng. Abstr.) **(Slo)**

FAMILIAL & GENETIC

[Psychiatric sequelae of Hitler's concentration camps in the progeny of former prisoners] Banach G, et al. **Przegl Lek** 1985;42(1):29-34 **(Pol)**

METABOLISM

[Energy support and the contractile capacity of glycerinized myocardial fibers in experimental informational neurosis] Karsanov NV, et al. **Fiziol Zh SSSR** 1985 Jan;71(1):113-9 (Eng. Abstr.) **(Rus)**

[Catecholamine concentration and adenyl cyclase and phosphodiesterase activities of the sarcolemma of myocardial cells during hypokinesia and in experimental information neuroses] Khananashvili MM, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1214-20 (Eng. Abstr.) **(Rus)**

MORTALITY

Neurosis and mortality: investigating an association. Sims A. **J Psychosom Res** 1984;28(5):353-62

OCCURRENCE

Psychoneuroses among Mexican Americans and other whites: prevalence and caseness. Vega WA, et al. **Am J Public Health** 1985 May;75(5):523-7

Psychophysiological evaluation of candidates to work at sea. Nitka J, et al. **Bull Inst Marit Trop Med Gdynia** 1983; 34(3-4):125-30

The Zurich study—a prospective epidemiological study of depressive, neurotic and psychosomatic syndromes. I. Problem, methodology. Angst J, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(1):13-20

PATHOLOGY

[The cerebrocardiac syndrome] Popov VG, et al. **Ter Arkh** 1984;56(10):58-62 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Ventilatory response to CO2. II. Studies in neurotic psychiatric patients and practitioners of transcendental meditation. Singh BS. **Psychosom Med** 1984 Jul-Aug; 46(4):347-62

[Behavioral information pathology and the mechanisms of autoregulation of higher nervous activity] Khananashvili MM. **Fiziol Cheloveka** 1984 Sep-Oct;10(5):778-85 **(Rus)**

[Changes in the perception and recall of emotiogenic information in neuroses] Leutin VP, et al. **Fiziol Cheloveka** 1984 Mar-Apr;10(2):326-8 **(Rus)**

[Neuroses in the clinical picture of internal diseases] Kanareikin KF, et al. **Klin Med (Mosk)** 1985 Mar; 63(3):116-22 (Eng. Abstr.) **(Rus)**

[Changes in the rate of local cerebral blood flow and cytochrome concentration in several areas of the brain of the albino rat during neurotization] Levshina IP, et al. **Zh Vyssh Nerv Deiat** 1984 Sep-Oct;34(5):967-71 (Eng. Abstr.) **(Rus)**

[Pharyngeal reflex in diabetic patients and controls] Alvarez G, et al. **Rev Med Chil** 1984 Jun;112(6):541-3 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[Possible role of hypoxia and lipid peroxidation in the development of a neurosis-like condition in the rat] Levshina IP, et al. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr; 35(2):330-8 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Fear for health or life and neuroticism in persons of different professions. Kukleta M, et al. **Act Nerv Super (Praha)** 1985 Mar;27(1):20-1

Developmental differentiation of anxiety and affective neuroses. Torgersen S. **Acta Psychiatr Scand** 1985 Mar; 71(3):304-10

Individuality and hubris in mythology: the struggle to be human. Mitchell A. **Am J Psychoanal** 1984 Winter; 44(4):399-412

The concept of neurosis in Karen Horney. Ruiz Ogara C. **Am J Psychoanal** 1984 Fall;44(3):316-8

Hypochondriasis, neuroticism, and aging. When are somatic complaints unfounded? Costa PT Jr, et al. **Am Psychol** 1985 Jan;40(1):19-28

The clinical impact of job design. Broadbent DE. **Br J Clin Psychol** 1985 Feb;24 (Pt 1):33-44

Conceptual structure in hypochondriasis, arthritis and neurosis. Weeks DJ. **Br J Clin Psychol** 1985 May;24 (Pt 2):125-6

Teacher stress and psychoneurotic symptoms. Kyriacou C, et al. **Br J Educ Psychol** 1985 Feb;55 (Pt 1):61-4

Anger, neuroticism, type A behaviour and the experience of angina. Smith TW, et al. **Br J Med Psychol** 1984 Sep; 57 (Pt 3):249-52

Psychological distress in non-ulcerous dyspepsia [letter] Magni G, et al. **Gastroenterol Clin Biol** 1985 Jan;9(1):86

The Rorschach H response and object relations. Lerner H, et al. **J Pers Assess** 1984 Aug;48(4):345-50

Prejudice and neurotic symptomatology among white South Africans. Duckitt JH. **J Psychol** 1985 Jan;119(1):15-20

The quality and quantity of marital intimacy in the marriages of psychiatric patients. Patton D, et al. **J Sex Marital Ther** 1984 Fall;10(3):201-6

More respect for the neurotic process: comments on the problem of narcissism in severe psychopathology, especially the addictions. Wurmser L. **J Subst Abuse Treat** 1984;1(1):37-45

Voices of the Wolf Man: the Wolf Man as autobiographer. Loughman C. **Psychoanal Rev** 1984 Sep;71(2):211-25

Comparative validity of the MMPI-168 and the MMPI-168E in discrimination of neurotic and psychotic MMPI profiles. Gayton WF, et al. **Psychol Rep** 1984 Dec;55(3):874

Verbal measures of alexithymia: what do they measure. Taylor GJ, et al. **Psychother Psychosom** 1985;43(1):32-7

Behavioural and endocrine reactions in boys scoring high on Sennton neurotic scale viewing an exciting and partly violent movie and the importance of social support. Arnetz BB, et al. **Soc Sci Med** 1985;20(7):731-6

Psychiatric illness and the role of religion in a developing country [letter] Schmutzhard E. **Trop Doct** 1984 Oct; 14(4):166

[Choice of symptoms in neuroses. Psychosomatic syndromes] Tissot R, et al. **Ann Med Psychol (Paris)** 1984 May; 142(5):641-62 (Eng. Abstr.) **(Fre)**

[Problems of therapeutic interventions in infant psychiatry] Manzano J, et al. **Neuropsychiatr Enfance Adolesc** 1984 Sep; 32(9):443-50 (Eng. Abstr.) **(Fre)**

[Separation of manic-depressive psychoses and neuroses by a cognitive index] Pons L. **Presse Med** 1985 Jul 6; 14(27):1459-61 (Eng. Abstr.) **(Fre)**

[Uncharacteristic 'basic' symptoms in the Frankfurt Complaint Questionnaire and their relation to psychopathologic syndromes] Rösler M, et al. **Nervenarzt** 1985 May;56(5):259-64 **(Ger)**

[Multiple tics and auto-aggressive behavior. A case of secondary neurotization in post-vaccinal encephalopathy] Vogel C. **Prax Kinderpsychol Kinderpsychiatr** 1984 Jul; 33(5):188-91 (Eng. Abstr.) **(Ger)**

[Comparative study of psychosocial arrangement: evaluation of family interviews and team discussions. Two-child families with asthmatic, colitis or neurotic index children] Schlierf C. **Prax Kinderpsychol Kinderpsychiatr (Beih)** 1985; 26:321-38 **(Ger)**

[Psychoanalysis and family dynamics] Steffens W. **Prax Kinderpsychol Kinderpsychiatr (Beih)** 1985;26:26-38 **(Ger)**

[Use of projective picture material in psychotherapy] Meyer JE. **Psychother Psychosom Med Psychol** 1984 Aug; 34(8):187-92 (Eng. Abstr.) **(Ger)**

[Phobic organ neuroses] Plassman R. **Psychother Psychosom Med Psychol** 1985 Aug;35(8):213-8 (Eng. Abstr.) **(Ger)**

[Compensation neurosis: a psychosocial arrangement—II] Schlierf C. **Psychother Psychosom Med Psychol** 1985 Feb; 35(2):41-6 (Eng. Abstr.) **(Ger)**

[Significance of the inducing situation and conflict content of the current life status in females with neurotic-functional disorders] Ecke C. **Z Arztl Fortbild (Jena)** 1985;79(4):147-9 **(Ger)**

[Work disability as chronifying factor of neurotic disorders] Kneschke M. **Z Arztl Fortbild (Jena)** 1985;79(4):151-3 **(Ger)**

[Compulsion in neurosis, psychosis and psychosomatic disease] Lang H. **Z Klin Psychol Psychopathol Psychother** 1985;33(1):65-76 (Eng. Abstr.) **(Ger)**

[Pathomorphosis of the neuroses] Alonso-Fernandez F. **Minerva Psichiatr** 1984 Jul-Sep;25(3):157-68 **(Ita)**

[A study on the psychological features of depression and neurosis in the old age] Hoshino R. **Nippon Ronen Igakkai Zasshi** 1984 Sep;21(5):470-6 (Eng. Abstr.) **(Jpn)**

[Dynamic clinico-psychological study of a factory worker group with an increased risk of developing neuroses] Popescu A, et al. **Rev Med Interna [Neurol Psihiatr]** 1984 Oct-Dec;29(4):295-306 **(Rum)**

[Social-vocational adaptation of patients with neurosis-like forms of organic brain disease] Koniukhova EN. **Zh Nevropatol Psikhiatr** 1985;85(4):584-8 (Eng. Abstr.) **(Rus)**

[Osgood's semantic differential in neurotics] Ortiz Zabala M, et al. **Actas Luso Esp Neurol Psiquiatr** 1985 Jan-Feb; 13(1):43-52 (Eng. Abstr.) **(Spa)**

THERAPY

Long term course and outcome of the Agra cases in the International Pilot Study of Schizophrenia. Dube KC, et al. **Acta Psychiatr Scand** 1984 Aug;70(2):170-9

Quality assurance project [letter] Grant WB. **Aust NZ J Psychiatry** 1984 Dec;18(4):396

Factors influencing the regularity of meditation practice in a clinical population. Delmonte MM. **Br J Med Psychol** 1984 Sep;57 (Pt 3):275-8

Neurotic patients who terminate their own treatment. Roberts H. **Br J Psychiatry** 1985 Apr;146:442-5

Camping marathon group psychotherapy for adolescents. Tsutsumi S. **Folia Psychiatr Neurol Jpn** 1984;38(1):1-15

The effects of time-limited group psychotherapy: a controlled study. Budman SH, et al. **Int J Group Psychother** 1984 Oct;34(4):587-603

A change in the self: the development and transformation of an idealizing transference. Tolpin PH. **Int J Psychoanal** 1983;64 (Pt 4):461-83

Parameters and the analytic process: a contribution to the theory of the 'mature transference'. Fields M. **J Am Acad Psychoanal** 1985 Jan;13(1):15-33

'Developmental lag' in the evolution of technique for psychoanalysis of neurotic conflict. Gray P. **J Am Psychoanal Assoc** 1982;30(3):621-55

Cost-benefit analysis of a controlled trial of nurse therapy for neuroses in primary care. Ginsberg G, et al. **Psychol Med** 1984 Aug;14(3):683-90

Short-term dynamic psychotherapy. III. A 5-year follow-up of 36 neurotic patients. Husby R. **Psychother Psychosom** 1985;43(1):17-22

Short-term dynamic psychotherapy. II. Prognostic value of characteristics of patients studied by a 2-year follow-up of 39 neurotic patients. Husby R, et al. **Psychother Psychosom** 1985;43(1):8-16

Short-term dynamic psychotherapy. IV. Comparison of recorded changes in 33 neurotic patients 2 and 5 years after end of treatment. Husby R. **Psychother Psychosom** 1985; 43(1):23-7

Short-term dynamic psychotherapy. V. Global assessment scale as an instrument for description and measurement of changes for 33 neurotic patients. Husby R. **Psychother Psychosom** 1985;43(1):28-31

[Evaluation of a psychotherapeutic treatment program] Benjaminsen S, et al. **Ugeskr Laeger** 1984 Oct 8; 146(41):3146-52 (Eng. Abstr.) **(Dan)**

[Psychological and psychosomatic diseases in puberty (therapy analyses and catamnestic results)] Fischer H, et al. **Padiatr Padol** 1985;20(2):177-84 (Eng. Abstr.) **(Ger)**

[Possibilities and limits of day clinic treatment in child and adolescent psychiatry] Paul G. **Prax Kinderpsychol Kinderpsychiatr** 1985 Apr;34(3):84-90 (Eng. Abstr.) **(Ger)**

[Neurotic children in the special school—therapeutic influences and problems] Quenstedt F. **Prax Kinderpsychol Kinderpsychiatr** 1984 Nov-Dec; 33(8):317-21 (Eng. Abstr.) **(Ger)**

[Treatment of mother and child. The neurotic index group] Schlierf C. **Prax Kinderpsychol Kinderpsychiatr (Beih)** 1985; 26:122-42 **(Ger)**

[Prognosis of treatment success in directed dynamic group psychotherapy] Göth N. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Dec; 36(12):727-32 (Eng. Abstr.) **(Ger)**

[Receptive individual music therapy in the concept of ambulatory psychotherapy] Kaufmann GV. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jun; 37(6):347-52 (Eng. Abstr.) **(Ger)**

[Integration of Leonhard's individual therapeutic approaches in ambulatory psychotherapy] Sitte E. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Nov; 36(11):655-60 (Eng. Abstr.) **(Ger)**

[Wilhelm Reich—Arthur Janov—a comparison of their work] Sprengler M. **Z Klin Psychol Psychopathol Psychother** 1984;32(3):234-47 (Eng. Abstr.) **(Ger)**

[Neuroses and their socio-cultural aspects. Therapeutic prospects] Pisani RA, et al. **Clin Ter** 1985 Feb 15; 112(3):217-24 (Eng. Abstr.) **(Ita)**

[Selected elements of complex therapy in the opinion of former patients of the neurosis ward of the Psychiatric Clinic in Bydgoszcz] Brzeziński R. **Psychiatr Pol** 1984 Sep-Oct;18(5):457-63 (Eng. Abstr.) **(Pol)**

[Use of hemosorption in psychoneurological disorders of somatic origin] Churkin EA. **Ter Arkh** 1984;56(11):137-9 (35 ref.) **(Rus)**

[Combined treatment of neurosis-like states in organic brain diseases] Shumlianskii IV, et al. **Vrach Delo** 1984 Nov; (11):111-3 **(Rus)**

[1 of the methods of therapeutic action in neuroses] Mugutdinov TM. **Zh Nevropatol Psikhiatr** 1985;85(2):232-6 (Eng. Abstr.) **(Rus)**

[Neurotic disorders in epilepsy and their treatment by technics of psychotherapy and reflexotherapy] Sviridova EI, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1381-5 (Eng. Abstr.) **(Rus)**

[Relation between the psychological circumstances of treatment and the fixed attitudes of neurotic patients] Vruk P, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1687-90 (Eng. Abstr.) **(Rus)**

URINE

[Activity of the adrenergic system in children with psychogenic headache] Szewczyk L, et al. **Pediatr Pol** 1984 Jul;59(7):587-90 (Eng. Abstr.) **(Pol)**

[Informativeness of adrenograms in neuroses] Vasil'ev VN, et al. **Klin Med (Mosk)** 1984 Sep;62(9):72-3 (Eng. Abstr.) **(Rus)**

NEUROTOXINS

Partial amino acid sequences of botulinum neurotoxins types B and E. Schmidt JJ, et al. **Arch Biochem Biophys** 1985 May 1;238(2):544-8

Photochemically induced nuclear polarization study of exposed tyrosines, tryptophans, and histidines in postsynaptic neurotoxins and in membranotoxins of elapid and hydrophid snake venoms. Muszkat KA, et al. **Biochemistry** 1984 Oct 9;23(21):4913-20

Neurotoxic action of lead: effect on tetrahydrobiopterin metabolism in the rat. McIntosh MJ, et al. **Comp Biochem Physiol [C]** 1985;81(1):227-31

Axonally transported Shigella cytotoxin is neuronotoxic. Wiley RG, et al. **J Neuropathol Exp Neurol** 1985 Sep; 44(5):496-506

Neurotoxins. 8th Gif lecture in neurobiology. Gif-sur-Yvette, November 24-25th, 1983.

EWARK PUBLIC LIBRAR

J Physiol (Paris) 1984;79(4):179–343

Kynurenic acid blocks neurotoxicity and seizures induced in rats by the related brain metabolite quinolinic acid. Foster AC, et al. **Neurosci Lett** *1984* Aug *10;48(3):273–8*

Differential sensitivity of rat cerebellar cells in vitro to the neurotoxic effects of excitatory amino acid analogues. Garthwaite G, et al. **Neurosci Lett** 1984 Aug 10;48(3):361–7

Evaluation of possible spinal neurotoxicity of clonidine. Gordh TE, et al. **Ups J Med Sci** 1984;89(3):266–73

[Conformation NMR analysis of the spatial structure of Buthus eupeus insectotoxin I5A] Arsen'ev AS, et al. **Bioorg Khim** 1983 Dec;9(12):1667–89 (Eng. Abstr.) **(Rus)**

[Secondary structure and assignment of signals in two-dimensional 1H-NMR spectra of the Buthus eupeus neurotoxin I5A] Arsen'ev AS, et al. **Bioorg Khim** 1983 Jun; 9(6):768–93 (Eng. Abstr.) **(Rus)**

[Amino acid sequence of 2 neurotoxins from the scorpion Buthus eupeus venom] Volkova TM, et al. **Bioorg Khim** 1984 Jul;10(7):979–82 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Legal applications and implications for neurotoxin research of the developing organism. Morris RA, et al. **Neurobehav Toxicol Teratol** 1984 Jul–Aug;6(4):303–6

ANALYSIS

High-performance liquid chromatography with stop-flow ultraviolet spectral characterization of lolitrem neurotoxins from perennial ryegrass. Gallagher RT, et al. **J Chromatogr** 1985 Mar 29;322(1):159–67

A sensitive and useful radioimmunoassay for neurotoxin and its haemagglutinin complex from Clostridium botulinum. Ashton AC, et al. **Toxicon** 1985;23(2):235–46

[Toxicologic research on neurotoxic gas in samples from intoxicated soldiers] Heyndrickx A, et al. **Arch Belg** 1984; Suppl:147–54 (Eng. Abstr.) **(Fre)**

[Toxic components of the venom of the Central Asian scorpion, Orthochirus scrobiculosus] Volkova TM, et al. **Bioorg Khim** 1984 Aug;10(8):1100–8 (Eng. Abstr.) **(Rus)**

BLOOD

Is a circulating neurotoxin involved in the pathogenesis of Huntington's chorea? Perry TL, et al. **J Neurol Sci** 1985 Mar;67(3):351–8

Unusual compound of small molecular weight in the serum of horses with acute grass sickness. Johnson P. **Res Vet Sci** 1985 May;38(3):329–33

CLASSIFICATION

An expanded classification of neurotoxic responses based on cellular targets of chemical agents. Spencer PS, et al. **Acta Neurol Scand [Suppl]** 1984;100:9–19

DIAGNOSTIC USE

Thin-fiber cutaneous innervation and its intraepidermal contribution studied by labeling methods and neurotoxin treatment in rats. Kruger L, et al. **Somatosens Res** 1985; 2(4):335–56

GENETICS

Amino acid sequence similarity between rabies virus glycoprotein and snake venom curaremimetic neurotoxins. Lentz TL, et al. **Science** 1984 Nov 16;226(4676):847–8

ISOLATION & PURIFICATION

Isolation and partial characterization of glabrin, a neurotoxin from Cnestis glabra (Connaraceae) root barks. Jeannoda VL, et al. **Biochimie** 1984 Jul–Aug;66(7–8):557–62

Purification and characterization of neurotoxin produced by Clostridium botulinum type C 6813. Terajima J, et al. **Infect Immun** 1985 May;48(2):312–7

Gamma-carboxyglutamate in a neuroactive toxin. McIntosh JM, et al. **J Biol Chem** 1984 Dec 10;259(23):14343–6

Separation, purification, partial characterization and comparison of the heavy and light chains of botulinum neurotoxin types A, B, and E. Sathyamoorthy V, et al. **J Biol Chem** 1985 Sep 5;260(19):10461–6

Biochemical and electrophysiological characteristics of toxins isolated from the venom of the scorpion Centruroides sculpturatus. Meves H, et al. **J Physiol (Paris)** 1984; 79(4):185–91

[Orientotoxin—a new presynaptic neurotoxin from the venom of the giant hornet Vespa orientalis] Tuichibaev MU, et al. **Bioorg Khim** 1984 Mar;10(3):318–22 (Eng. Abstr.) **(Rus)**

METABOLISM

Arrangement of the subunits of the nicotinic acetylcholine receptor of Torpedo californica as determined by alpha-neurotoxin cross-linking. Hamilton SL, et al. **Biochemistry** 1985 Apr 23;24(9):2210–9

Affinity-dependent cross-linking to neurotoxin sites of the acetylcholine receptor mediated by catechol oxidation. Nickoloff BJ, et al. **Biochemistry** 1985 Feb 12; 24(4):999–1007

Inactivation of Clostridium botulinum type A neurotoxin by trypsin and purification of two tryptic fragments. Proteolytic action near the COOH-terminus of the heavy subunit destroys toxin-binding activity. Shone CC, et al. **Eur J Biochem** 1985 Aug 15;151(1):75–82

Metabolism of the neurotoxin in MPTP by human liver *monoamine oxidase* B. Fritz RR, et al. **FEBS Lett** 1985 Jul 8;186(2):224–8

[3H]Batrachotoxinin A 20 alpha-benzoate binding to voltage-sensitive sodium channels: a rapid and quantitative assay for local anesthetic activity in a variety of drugs. McNeal ET, et al. **J Med Chem** 1985 Mar;28(3):381–8

New scorpion toxins with a very high affinity for Na+ channels. Biochemical characterization and use for the purification of Na+ channels. Barhanin J, et al. **J Physiol (Paris)** 1984;79(4):304–8

Binding of a Glycera convoluta neurotoxin to cholinergic nerve terminals triggers a Ca-dependent acetylcholine release. Thieffry M, et al. **J Physiol (Paris)** 1984; 79(4):269–74

Inhibition of NADH-linked oxidation in brain mitochondria by 1-methyl-4-phenyl-pyridine, a metabolite of the neurotoxin, 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine. Nicklas WJ, et al. **Life Sci** 1985 Jul 1;36(26):2503–8

The effect of tryptophan modification on the structure and function of a sea snake neurotoxin. Allen M, et al. **Mol Pharmacol** 1985 Jan;27(1):79–85

PHARMACODYNAMICS

Staphylococcal alpha-toxin-induced PGI2 production in endothelial cells: role of calcium. Suttorp N, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C127–34

In vivo actions of atraxin, a protein neurotoxin from the venom glands of the funnel-web spider (Atrax robustus). Mylecharane EJ, et al. **Comp Biochem Physiol** [C] 1984; 79(2):395–9

Direct effects of the adrenergic neurotoxin DSP4 on central opiate receptors: implications for neuroendocrine studies. Jacobson W, et al. **Exp Brain Res** 1985;59(3):570–4

Lathyrus excitotoxin: mechanism of neuronal excitation by L-2-oxalylamino-3-amino- and L-3-oxalylamino-2-amino-propionic acid. MacDonald JF, et al. **Exp Brain Res** 1984;57(1):158–66

Interaction of triethyl lead chloride with microtubules in vitro and in mammalian cells. Zimmermann HP, et al. **Exp Cell Res** 1985 Jan;156(1):140–52

Halothane inhibits the neurotoxin stimulated [14C]guanidinium influx through 'silent' sodium channels in rat glioma C6 cells. Tas PW, et al. **FEBS Lett** 1985 Mar 25;182(2):269–72

The channel-forming component of the Theridiidae spider venom neurotoxins. Usmanov PB, et al. **Gen Physiol Biophys** 1985 Apr;4(2):185–93

Quinolinate. A selective neurotoxin in embryonic and posthatching chicken retinas. Gibson BL, et al. **Invest Ophthalmol Vis Sci** 1985 Jan;26(1):50–7

The mechanism of Ptychodiscus brevis toxin-induced rat vas deferens contraction. Sakamoto Y, et al. **J Allergy Clin Immunol** 1985 Jul;76(1):117–22

Depression of fast axonal transport produced by tullidora. Muñoz-Martínez EJ, et al. **J Neurobiol** 1984 Sep; 15(5):375–92

Choline acetyltransferase depletion in the rat retina after intraocular injection of neurotoxins. Gómez-Ramos P, et al. **J Neurochem** 1985 Mar;44(3):993–5

Altered sensitivity to sodium channel-specific neurotoxins in cultured neurons from temperature-sensitive paralytic mutants of Drosophila. Suzuki N, et al. **J Neurogenet** 1984 Sep;1(3):225–38

The neurotoxic compound N-(2-chloroethyl)-N-ethyl-2-bromobenzylamine hydrochloride (DSP4) depletes endogenous norepinephrine and enhances release of [3H]norepinephrine from rat cortical slices. Landa ME, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):131–6

Pharmacological study on angusticeps-type toxins from mamba snake venoms. Lee CY, et al. **J Pharmacol Exp Ther** 1985 May;233(2):491–8

Actions of ethanol on voltage-sensitive sodium channels: effects on neurotoxin-stimulated sodium uptake in synaptosomes. Mullin MJ, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):413–9

The frog interosseal muscle fiber as a new model for patch clamp studies of chemosensitive- and voltage-sensitive ion channels: actions of acetylcholine and batrachotoxin. Allen CN, et al. **J Physiol (Paris)** 1984;79(4):338–43

Selective modification of the squid axon Na currents by Centruroides noxius toxin II-10. Carbone E, et al. **J Physiol (Paris)** 1984;79(4):179–84

Botulinum neurotoxin and dendrotoxin as probes for studies on transmitter release. Dolly JO, et al. **J Physiol (Paris)** 1984;79(4):280–303

Electrophysiological and neurochemical investigations of the action of presynaptic neurotoxins. Gundersen CB, et al. **J Physiol (Paris)** 1984;79(4):246–51

Facilitation of transmitter release by neurotoxins from snake venoms. Harvey AL, et al. **J Physiol (Paris)** 1984; 79(4):222–7

Spider toxin (JSTX) on the glutamate synapse. Kawai N, et al. **J Physiol (Paris)** 1984;79(4):228–31

Effects of several sea anemone and scorpion toxins on excitability and ionic currents in the giant axon of the cockroach. Pelhate M, et al. **J Physiol (Paris)** 1984; 79(4):309–17

Effect of toxin 1 from Androctonus australis Hector on sodium currents in giant axons of Loligo forbesi. Pichon Y, et al. **J Physiol (Paris)** 1984;79(4):318–26

Investigations on the mechanism of action of crotoxin. Radvanyi F, et al. **J Physiol (Paris)** 1984;79(4):327–33

Interaction of scorpion toxins with the sodium channel. Rochat H, et al. **J Physiol (Paris)** 1984;79(4):334–7

Apamin: a specific toxin to study a class of Ca2+-dependent K+ channels. Romey G, et al. **J Physiol (Paris)** 1984; 79(4):259–64

Alpha latrotoxin of black widow spider venom: an interesting neurotoxin and a tool for investigating the process of neurotransmitter release. Scheer H, et al. **J Physiol (Paris)** 1984;79(4):216–21 (35 ref.)

A new scorpion toxin with a very high affinity for sodium channels. An electrophysiological study. Vijverberg HP, et al. **J Physiol (Paris)** 1984;79(4):275–9

Selective depletion of norepinephrine in brain by N-2-chloroethyl-N-ethyl-2-bromobenzylamine fails to alter the voluntary consumption of ethanol in rats. Gill K, et al. **Neuropharmacology** 1984 Dec;23(12A):1379–83

[Synapse and neurotoxins] Kawai N, et al. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1232–9 (48 ref.) **(Jpn)**

[Isolation and characteristics of the neurotoxin from the spider Segestria florentina] Sagdiev NZh, et al. **Dokl Akad Nauk SSSR** 1985;282(2):463–5 **(Rus)**

[Mechanism of the inactivation of fast sodium channels studied by using the neurotoxin from the sea anemone Radiantus macrodactylis and various chemical reagents] Sorokina ZA, et al. **Fiziol Zh** 1984 Sep–Oct;30(5):571–9 (Eng. Abstr.) **(Rus)**

[Biochemical studies of potential-dependent sodium channels] Gimmel'reikh NG. **Ukr Biokhim Zh** 1985 Jan–Feb;57(1):89–105 (92 ref.) (Eng. Abstr.) **(Rus)**

TOXICITY

Hypothalamic-pituitary adrenal (HPAA) axis function in adult Fischer-344 rats exposed during development to neurotoxic chemicals perinatally. Rosecrans JA, et al. **Neurobehav Toxicol Teratol** 1984 Jul–Aug;6(4):281–8

Experimental design considerations: a determinant of acute neonatal toxicity. Booze RM, et al. **Teratology** 1985 Apr; 31(2):187–91

[Molecular basis for the pathogenicity of S. aureus alpha-toxins] Bhakdi S, et al. **Immun Infekt** 1984 Nov; 12(6):279–85 (Eng. Abstr.) **(Ger)**

NEUROTRANSMITTER UPTAKE INHIBITORS see **TRANSMITTER UPTAKE INHIBITORS, NEURONAL**

NEUROTRANSMITTERS see **NEUROREGULATORS**

NEUTRAL RED see under **PHENAZINES**

NEUTRALIZATION TESTS

Comparison of the gel immunodiffusion test with virus neutralization test employing vesicular stomatitis virus (bovine leukemia virus) pseudotypes in the serological detection of enzootic bovine leukemia. Balgavá SI, et al. **Arch Exp Veterinarmed** 1984 Jul;38(4):493–6

Neutralization kinetic analysis of echovirus 30 and coxsackievirus B4 strains revealed little antigenic variation amongst the echovirus strains. Ash P, et al. **Aust J Exp Biol Med Sci** 1985 Apr;63 (Pt 2):219–21

A proposed index system for reporting rabies rapid fluorescent focus inhibition test titres. Brown J, et al. **J Biol Stand** 1984 Jul;12(3):233–40

The titration of tetanus antitoxin IV. Studies on the sensitivity and reproducibility of the toxin neutralization test. Gupta RK, et al. **J Biol Stand** 1985 Apr;13(2):143–9

The mouse neutralization test in comparison with the rapid fluorescent focus inhibition test: differences in the results in rabies antibody determinations. Haase M, et al. **J Biol Stand** 1985 Apr;13(2):123–8

Antigenic variation in foot-and-mouth disease: studies based on the virus neutralization reaction. Rweyemamu MM. **J Biol Stand** 1984 Jul;12(3):323–37 (82 ref.)

Comparison of neutralization and DNA restriction enzyme methods for typing clinical isolates of human adenovirus. Fife KH, et al. **J Clin Microbiol** 1985 Jul;22(1):95–100

Evaluation of focus reduction neutralization test with peroxidase-antiperoxidase staining technique for hemorrhagic fever with renal syndrome virus. Tanishita O, et al. **J Clin Microbiol** 1984 Dec;20(6):1213–5

Mechanism of neutralization of influenza virus by secretory IgA is different from that of monomeric IgA or IgG. Taylor HP, et al. **J Exp Med** 1985 Jan 1;161(1):198–209

Micro-neutralization test for mumps virus using the 96-well tissue culture plate and PAP (peroxidase-antiperoxidase) staining technique. Okuno Y, et al. **Microbiol Immunol** 1985;29(4):327–35

Detection of antibodies against infectious bursal disease virus: a comparison of three serological methods. Nicholas RA, et al. **Res Vet Sci** 1985 Mar;38(2):189–92

Detection of foot-and-mouth disease virus antibody using counterimmunoelectrophoresis and serum neutralisation tests. Rao MV, et al. **Trop Anim Health Prod** 1985 May; 17(2):89–92

Cross neutralization of maedi-visna virus strains. Hyllseth B, et al. **Zentralbl Veterinarmed [B]** 1984 Dec;31(10):755–9

METHODS

Simplified plaque reduction neutralization assay for dengue viruses by semimicro methods in BHK-21 cells: comparison of the BHK suspension test with standard plaque reduction neutralization. Morens DM, et al. **J Clin Microbiol** 1985 Aug;22(2):250–4

Microneutralisation systems for use with different strains of peste des petits ruminants virus and rinderpest virus. Rossiter PB, et al. **Trop Anim Health Prod** 1985 May; 17(2):75–81

[Modification of the antigen neutralization test for determining tetanus antitoxin in trauma cases] Bukova VE, et al. **Lab Delo** 1984;(7):431–3 **(Rus)**

NEUTRON ACTIVATION ANALYSIS see under **ACTIVATION ANALYSIS**

NEUTRONS

Regeneration in small intestine following exposure to X-radiation and neutron beam as estimated in the light of changes in alkaline phosphatase activity and degree of 3H-thymidine incorporation into cells in intestinal crypts. Meyer-Brodniewicz J, et al. **Acta Physiol Pol** 1984 Jan-Feb;35(1):115–21

The application of neutron crystallography to the study of dynamic and and hydration properties of proteins. Kossiakoff AA. **Annu Rev Biochem** 1985;54:1195–227 (95 ref.)

Performance following a 500–675 rad neutron pulse. Yochmowitz MG, et al. **Aviat Space Environ Med** 1985 Jun;56(6):525–33

RBE and clinical response in radiotherapy with neutron beams. Ellis F, et al. **Br J Radiol** 1984 Sep;57(682):817–22

Fast neutron treatment as an alternative to radical surgery for malignant tumours of the facial area. Catterall M, et al. **Br Med J [Clin Res]** 1984 Dec 15;289(6459):1653–5

Clinical evaluation of neutron beam therapy. Current results and prospects, 1983. Cohen L, et al. **Cancer** 1985 Jan 1; 55(1):10–7

Neutron microscopy. The low-damage imaging of specialized organic materials. Steinbach A. **Cell Biophys** 1985 Mar;7(1):1–29 (78 ref.)

High mammary carcinogenicity of neutron irradiation in rats and its promotion by prolactin. Kamiya K, et al. **Gann** 1985 Jun;76(6):449–56

Neutron skyshine measurements at Fermilab. Cossairt JD, et al. **Health Phys** 1985 Feb;48(2):175–81

Use of computer memory chips as the basis for a digital albedo neutron dosimeter. Davis JL. **Health Phys** 1985 Aug;49(2):259–65

Personnel neutron dosimetry using particle tracks in solids: a comparison. Fleischer RL, et al. **Health Phys** 1984 Oct; 47(4):525–31

Modifications to recursion unfolding algorithms to find more appropriate neutron spectra. Lowry KA, et al. **Health Phys** 1984 Oct;47(4):587–93

Environmental neutron measurements around nuclear facilities with moderated-type neutron detector. Nakamura T, et al. **Health Phys** 1984 Nov;47(5):729–43

Decreased weight, DNA, RNA and protein content of the brain after neutron irradiation of the 18-day mouse embryo. Antal S, et al. **Int J Radiat Biol** 1984 Oct;46(4):425–33

Do fast neutrons at low dose rate enhance cell transformation in vitro? A basic problem of microdosimetry and interpretation [letter] Barendsen GW. **Int J Radiat Biol** 1985 Jun;47(6):731–4

Radiobiological issues in the anomalous enhanced effect of low-dose-rate fission-spectrum neutrons: reply to Letter to the Editor by G. W. Barendsen. Elkind MM, et al. **Int J Radiat Biol** 1985 Jul;48(1):139–44

Current status of 10B-neutron capture therapy: enhancement of tumor dose via beam filtration and dose rate, and the effects of these parameters on minimum boron content: a theoretical evaluation. Fairchild RG, et al. **Int J Radiat Oncol Biol Phys** 1985 Apr;11(4):831–40

Fast neutrons and misonidazole for malignant astrocytomas. Kurup PD, et al. **Int J Radiat Oncol Biol Phys** 1985 Apr; 11(4):679–86

A neutron diffraction study of the bones of the foot. Bacon GE, et al. **J Anat** 1984 Sep;139 (Pt 2):265–73

Neutron diffraction studies of collagen in fully mineralized bone. Bonar LC, et al. **J Mol Biol** 1985 Jan 20;181(2):265–70

Neutron brachytherapy [letter] **Lancet** 1985 Jun 15; 1(8442):1385

Performance characteristics of A 150 plastic-equivalent gases in A 150 plastic proportional counters for 14.8-MeV neutrons. DeLuca PM Jr, et al. **Med Phys** 1984 Jul-Aug; 11(4):449–55

Tissue equivalence in clinical neutron dosimetry: comparison of dose distributions in nine tissue substitutes for a d(14)Be neutron beam. Hensley FW, et al. **Med Phys** 1985 May-Jun; 12(3):350–6

Neutron leakage measurements from a medical linear accelerator. Palta JR, et al. **Med Phys** 1984 Jul-Aug; 11(4):498–501

Absolute neutron dosimetry: effects of ionization chamber wall thickness. Ten Haken RK, et al. **Med Phys** 1985 Jan-Feb;12(1):46–52

Genetic injury in hybrid male mice exposed to low doses of 60Co gamma-rays or fission neutrons. I. Response to single doses. Grahn D, et al. **Mutat Res** 1984 Nov; 129(2):215–29

Improvement to the adjustable collimator for neutron therapy. Bewley DK, et al. **Phys Med Biol** 1985 Feb; 30(2):175–6

Scaling relative neutron depth-dose distributions from one phantom material to another: a comparison of experimental and theoretical results. Vynckier S, et al. **Phys Med Biol** 1985 Jan;30(1):55–66

Influence of age on life shortening and tumor induction after X-ray and neutron irradiation. Covelli V, et al. **Radiat Res** 1984 Nov;100(2):348–64

Kerma factor of carbon for 14.1-MeV neutrons. DeLuca PM Jr, et al. **Radiat Res** 1984 Oct;100(1):78–86

Relative biological effectiveness measurements using murine lethality and survival of intestinal and hematopoietic stem cells after fermilab neutrons compared to JANUS reactor neutrons and 60Co gamma rays. Hanson WR, et al. **Radiat Res** 1984 Nov;100(2):290–7

Dose-fractionation studies on mouse gut and marrow: an intercomparison of 250 kV X-rays and 5.6 MeV fast neutrons. Gasińska A, et al. **Radiobiol Radiother (Berl)** 1985; 26(1):37–41

The effectiveness of 5.6 MeV neutrons compared with gamma rays on the survival of crypts in mouse intestine: preliminary results. Huczkowski J, et al. **Radiobiol Radiother (Berl)** 1985;26(1):43–8

Neutron beam characteristics from 50 MeV protons on beryllium using a continuously variable multi-leaf collimator. Brahme A, et al. **Radiother Oncol** 1983 Aug; 1(1):65–76

Fast neutrons in the treatment of head and neck cancers: the results of a multi-centre randomly controlled trial. Duncan W, et al. **Radiother Oncol** 1984 Dec;2(4):293–300

Neutron and neutron-boost irradiation of soft tissue sarcomas: a 4.5 year analysis of 139 patients. Schmitt G, et al. **Radiother Oncol** 1983 Aug;1(1):23–9

New compounds for neutron capture therapy (NCT) and their significance. Fairchild RG, et al. **Strahlentherapie** 1984 Dec;160(12):764–70 (31 ref.)

The present status of neutron therapy. Scherer E, et al. **Strahlentherapie** 1984 Dec;160(12):741–4 (11 ref.)

[Relative biological effectiveness of weak doses of neutrons for the production of dicentric chromosomes in human lymphocytes] Fabry L, et al. **C R Soc Biol (Paris)** 1984; 178(5):542–8 (Eng. Abstr.) **(Fre)**

[Fractionated neutron irradiation of the lung area in young swine] Herrmann T, et al. **Radiobiol Radiother (Berl)** 1985; 26(1):49–58 (Eng. Abstr.) **(Ger)**

[Relative biological effectiveness (RBE) of fast neutrons of mean energy 6.2 MeV from the U-120 cyclotron] Magdon E. **Radiobiol Radiother (Berl)** 1985;26(1):27–35 (Eng. Abstr.) **(Ger)**

[Symposium: Heavy particles in radiotherapy] **Radiol Med (Torino)** 1984 Apr;70(4 Suppl 1):127–37 **(Ita)**

[Measurement of neutrons from an electron accelerator by rem-counter] Nagamachi S, et al. **Radioisotopes** 1985 May; 34(5):262–5 (Eng. Abstr.) **(Jpn)**

[Status review on neutron dosimetry standardization] Nakazawa M. **Radioisotopes** 1985 Jan;34(1):37–45 (21 ref.) **(Jpn)**

[Sensitivity to neutrons of heterogeneous ionization chambers] Kapchigashev SP, et al. **Med Radiol (Mosk)** 1985 Jan;30(1):43–5 (Eng. Abstr.) **(Rus)**

[Preparation of patients with head and neck tumors for neutron teletherapy] Musabaeva LI, et al. **Med Radiol (Mosk)** 1985 Mar;30(3):53–4 (Eng. Abstr.) **(Rus)**

[Relative biological effectiveness of 252Cf neutrons] Riabukhin IuS. **Med Radiol (Mosk)** 1985 Apr;30(4):53–9 (35 ref.) **(Rus)**

[Dynamics of the early ultrastructural changes in sensorimotor cortical neurons of the rat brain after exposure to high doses of gamma-neutron radiation] Abdrakhmanov AA, et al. **Radiobiologiia** 1985 May-Jun;25(3):338–42 (Eng. Abstr.) **(Rus)**

[Formation of chromosome aberrations at different stages of the mitotic cycle in a culture of human lymphocytes irradiated with neutrons of average energy 0.35 and 0.85 MeV] Sevan'kaev AV, et al. **Radiobiologiia** 1985 Jul-Aug; 25(4):489–94 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Facial nerve damage in the treatment of tumours of the parotid gland. Rampling R, et al. **Clin Oncol** 1984 Dec; 10(4):345–51

Repair of potentially lethal damage in yeast induced by fast neutrons. Hannan MA, et al. **Mutat Res** 1985 May; 149(3):353–8

THERAPEUTIC USE

Response of pancreatic cancer to local irradiation with high-energy neutrons. Cohen L, et al. **Cancer** 1985 Sep 15;56(6):1235–41

Fast neutron radiotherapy for locally advanced prostate cancer: results of an RTOG randomized study. Laramore GE, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep; 11(9):1621–7

Measurements of dose distributions for a fast neutron cancer radiotherapy beam. Byrski E, et al. **Radiobiol Radiother (Berl)** 1985;26(1):59–63

Tradescantia stamen hairs: a biological monitor of doses outside the neutron beam used in cancer therapy. Huczkowski J, et al. **Radiobiol Radiother (Berl)** 1985; 26(1):65–9

Results of fast neutron therapy for advanced carcinomas of the oral cavity and oropharynx. Skołyszewski J, et al. **Radiobiol Radiother (Berl)** 1985;26(1):85–9

Pleural mesothelioma treated by fast neutron therapy. Blake PR, et al. **Thorax** 1985 Jan;40(1):72–3

[Irradiation of esophageal carcinoma with fast neutrons] Dallüge KH, et al. **Radiobiol Radiother (Berl)** 1985; 26(1):91–4 (Eng. Abstr.) **(Ger)**

[Fast neutrons in clinical radiotherapy] Lessel A. **Radiobiol Radiother (Berl)** 1985;26(1):15–25 (Eng. Abstr.) **(Ger)**

[Physical-technical irradiation planning for combined use of fast neutrons and quantum radiation] Matschke S. **Radiobiol Radiother (Berl)** 1985;26(1):71–6 (Eng. Abstr.) **(Ger)**

[Improving dose distribution in neutron therapy] Welker K. **Radiobiol Radiother (Berl)** 1985;26(1):77–83 (Eng. Abstr.) **(Ger)**

[Does fast-neutron radiotherapy merely reduce the radiation dosage?] Ando K. **Gan No Rinsho** 1984 Sep; 30(11):1398–400 (Eng. Abstr.) **(Jpn)**

[Efficacy of cancer therapy by fast neutrons] Tsunemoto H. **Nippon Rinsho** 1985 Feb;43(2):430–48 (43 ref.) **(Jpn)**

NEUTROPENIA see under **AGRANULOCYTOSIS**

NEUTROPHILS

Sweet's syndrome and pyoderma gangrenosum associated with ulcerative colitis. Benton EC, et al. **Acta Derm Venereol (Stockh)** 1985;65(1):77–80

Acute febrile neutrophilic dermatosis with genital involvement. Lindskov R. **Acta Derm Venereol (Stockh)** 1984;64(6):559–61

A method for measuring polymorphonuclear leukocyte concentrations in nasal mucus. Farr B, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;413:15–8

Histopathologic examination and enumeration of polymorphonuclear leukocytes in the nasal mucosa during experimental rhinovirus colds. Winther B, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;413:19–24

Polymorphonuclear leukocyte kinetics in experimentally induced keratitis. Chusid MJ, et al. **Arch Ophthalmol** 1985 Feb;103(2):270–4

Peritoneal neutrophilia: a potential indicator of the surgical acute abdomen. Stewart RJ, et al. **Aust NZ J Surg** 1984 Dec;54(6):565–8

Liquid preservation of human neutrophils stored in synthetic media at 22 degrees C: controlled observations on storage variables. Glasser L, et al. **Blood** 1985 Aug;66(2):267–72

Lactoferrin (LF), prostaglandin E (PGE) and neutrophils in children with sickle cell disease (SCD) [letter] Carpentieri U, et al. **Blut** 1985 Jan;50(1):57–8

Current assessment of microhematuria and leukocyturia. Shenoy UA. **Clin Lab Med** 1985 Jun;5(2):317–29 (60 ref.)

First exchange neutrophilia: an index of peritonitis during chronic intermittent peritoneal dialysis. Riera G, et al. **Clin Nephrol** 1985 Jul;24(1):5–8

Multifaceted freezing injury in human polymorphonuclear cells at high subfreezing temperatures. Takahashi T, et al. **Cryobiology** 1985 Jun;22(3):215–36

In vitro labeling of human polymorphonuclear leukocytes with 99mTc. Kelbaek H, et al. **Eur J Nucl Med** 1984; 9(8):366–9

Culture-negative neutrocytic ascites: a variant of spontaneous bacterial peritonitis. Runyon BA, et al. **Hepatology** 1984 Nov-Dec;4(6):1209–11

Acute febrile neutrophilic dermatosis (Sweet's syndrome) associated with lymphoma. Krolikowski FJ, et al. **Hum Pathol** 1985 May;16(5):520–2

Polymorphonuclear leukocyte accumulation in inflammatory dermal sites as measured by 51Cr-labeled cells and myeloperoxidase. Lundberg C, et al. **Inflammation** 1983 Sep;7(3):247–55

Properties of neutrophils recruited into inflammatory foci with homologous or heterologous antigen in immunized ewes. Smith KL, et al. **Inflammation** 1983 Sep;7(3):269–76

Intravascular degranulation of polymorphonuclear neutrophils during hemodialysis. The effects of pretreatment with colchicine. Wysocki H, et al. **Int J Artif Organs** 1985 Jan;8(1):37–42

Sweet's syndrome: a presenting sign of acute myelogenous leukemia. Nagler A, et al. **Isr J Med Sci** 1985 Jan;21(1):64–6

A case of acute febrile neutrophilic dermatosis (Sweet's syndrome). A demonstration of IgM and C3 deposits on the vessel walls in involved skin. Maekawa Y, et al. **J Dermatol (Tokyo)** 1984 Dec;11(6):560–4

Technetium-99m labeling of polymorphonuclear leukocytes: preparation with two different stannous agents. Kelbaek H, et al. **J Nucl Med** 1985 Jan;26(1):68–71

Persistent neutrophilic meningitis. Report of four cases and review of the literature. Peacock JE Jr, et al. **Medicine (Baltimore)** 1984 Nov;63(6):379–95 (173 ref.)

Patients with acute abdominal pain: white cell and neutrophil counts as predictors of the surgical acute abdomen. Patrick GL, et al. **NZ Med J** 1985 May 8;98(778):324–6

Serum lactoferrin in polycythemia [letter] Yuen E, et al. **Pathology** 1985 Jan;17(1):127

NEWARK PUBLIC LIBRARY

The effect of storage on degranulation by human neutrophils. Lane TA, et al. **Transfusion** 1985 Mar–Apr;25(2):155–61

Neutrophil collection using modified fluid gelatin. Effect on in vitro and in vivo neutrophil function. Price TH, et al. **Transfusion** 1985 May–Jun;25(3):238–41

[A patient with Sweet's syndrome] Rampen FH, et al. **Ned Tijdschr Geneeskd** 1984 Sep 29;128(39):1846–8 (Eng. Abstr.) (Dut)

[Value of scintigraphy using 111–indium–labelled autologous polynuclears in the study of intra–abdominal purulent collections] Launois B, et al. **Chirurgie** 1984;110(10):817–22 (Eng. Abstr.) (Fre)

[Detection of intra–abdominal suppuration. Value of scintigraphy with indium–111–labeled autologous polynuclears] Paul JL, et al. **Presse Med** 1985 Jun 22; 14(25):1367–70 (Eng. Abstr.) (Fre)

[Stimulation of granulopoiesis and neutrophil chemotaxis with lithium salts in children undergoing antineoplastic chemotherapy] Castello MA, et al. **Clin Ter** 1984 Oct 15; 111(1):45–52 (Eng. Abstr.) (Ita)

ANALYSIS

Trace element profiles in individual blood cells from patients with Down's syndrome. Annerén G, et al. **Acta Paediatr Scand** 1985 Mar;74(2):259–63

Determination of C3b receptors on normal and patient polymorphonuclear neutrophils with C3b–coated fluorescent microspheres. Ogle JD, et al. **Arch Surg** 1985 Jan;120(1):104–9

Detergent solubilization of human neutrophil leukotriene B4 receptors. Lin AH, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):878–83

Fast atom bombardment–mass spectrometric identification of molecular species of platelet–activating factor produced by stimulated human polymorphonuclear leukocytes. Weintraub ST, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):868–76

Cytochrome b–245 from human neutrophils is a glycoprotein. Harper AM, et al. **Biochem J** 1985 May 1;227(3):783–8

Comparison of human lactoferrins from milk and neutrophilic leucocytes. Relative molecular mass, isoelectric point, iron–binding properties and uptake by the liver. Moguilevsky N, et al. **Biochem J** 1985 Jul 15;229(2):353–9

Quantitative cytochemistry of blood neutrophils in myelodysplastic syndromes and chronic granulocytic leukaemia. Schofield KP, et al. **Cell Biochem Funct** 1983 Jul;1(2):92–6

Localization of chemotactic peptide receptors on rabbit neutrophils. Walter RJ, et al. **Exp Cell Res** 1984 Oct; 154(2):613–8

Myelolactoferrin index (MLF) and myelopoiesis during bacterial infections and malignant diseases. Neth R, et al. **Hamatol Bluttransfus** 1985;29:183–6

Comparison of free amino acid concentrations in eosinophils and neutrophils. Fukuda K, et al. **Hiroshima J Med Sci** 1985 Mar;34(1):67–9

Purification and characterization of a phagocytosis–stimulating factor from phagocytosing polymorphonuclear neutrophils: comparison with granule basic proteins. Ishibashi Y, et al. **Infect Immun** 1985 Jun; 48(3):799–805

Deficiency in C3b receptors on neutrophils of patients with chronic granulomatous disease and hyperimmunoglobulin–E recurrent infection (Job's) syndrome. Gaither TA, et al. **Inflammation** 1984 Dec; 8(4):429–44

1–O–alkyl–2–arachidonoyl–sn–glycero–3–phosphocholine. A common source of platelet–activating factor and arachidonate in human polymorphonuclear leukocytes. Chilton FH, et al. **J Biol Chem** 1984 Oct 10;259(19):12014–9

Purification and partial characterization of the b–type cytochrome from human polymorphonuclear leukocytes. Lutter R, et al. **J Biol Chem** 1985 Feb 25;260(4):2237–44

Primary structures of six antimicrobial peptides of rabbit peritoneal neutrophils. Selsted ME, et al. **J Biol Chem** 1985 Apr 25;260(8):4579–84

Spectroscopic interference of hemoglobin with neutrophil cytochrome b–245 and its elimination by carbon monoxide. Pasquier C, et al. **J Immunol Methods** 1985 Feb 28; 77(1):147–53

Intracellular calcium handling in cystic fibrosis: normal cytosolic calcium and intracellular calcium stores in neutrophils. Suter S, et al. **Pediatr Res** 1985 Apr;19(4):346–8

Leukotriene B4, polymorphonuclear leukocytes and inflammatory exudates in the rat. Ford–Hutchinson AW, et al. **Prostaglandins** 1984 Jul;28(1):13–27

Visualization of hydrogen peroxide in living polymorphonuclear neutrophils utilizing leucodiacetyl 2',7'–dichlorofluorescin: photomicrographic and microphotometric studies. Salata RA, et al. **Trans Assoc Am Physicians** 1983;96:375–83

[Method of quantitative determination of lipids in peripheral blood lymphocytes and neutrophils] Zhukhorov LS, et al. **Lab Delo** 1984;(11):683–5 (Rus)

[Leukocyte cationic proteins in suppurative diseases] Ivashkevich GA, et al. **Vestn Khir** 1984 Dec;133(12):33–7 (Eng. Abstr.) (Rus)

[Status of body reactivity and the activity of the antioxidant system of acute cholecystitis patients] Liul'ka AN, et al. **Vrach Delo** 1984 Dec;(12):78–81 (Eng. Abstr.) (Rus)

CLASSIFICATION

Volume–dependent human blood polymorphonuclear leukocyte heterogeneity demonstrated with counterflow centrifugal elutriation. Berkow RL, et al. **Blood** 1985 Jan; 65(1):71–8

An antibody binding to human neutrophils demonstrates antigenic heterogeneity detected early in myeloid maturation which correlates with functional heterogeneity of mature neutrophils. Seligmann B, et al. **J Immunol** 1985 Oct;135(4):2647–53

CYTOLOGY

Cigarette smoking causes accumulation of polymorphonuclear leukocytes in alveolar septum. Ludwig PW, et al. **Am Rev Respir Dis** 1985 Jun;131(6):828–30

Association of leukotriene B4 with the cytoskeleton of rabbit neutrophils. Effect of chemotactic factor and phorbol esters. Naccache PH, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):963–9

Canine neutrophil plasma membrane markers. O'Donnell RT, et al. **Biochim Biophys Acta** 1985 Apr 11;814(2):307–12

Rapid method for isolation of normal human peripheral blood eosinophils on discontinuous Percoll gradients and comparison with neutrophils. Roberts RL, et al. **Blood** 1985 Feb;65(2):433–40

An improved method for the isolation of a neutrophil–rich fraction from porcine blood. Field TR, et al. **Br Vet J** 1985 Jul–Aug;141(4):355–61

Methyltransferase and phospholipase A2 activity in membranes of neutrophils and lymphocytes from patients with bacterial and viral infections. Niwa Y, et al. **Inflammation** 1985 Mar;9(1):53–65

Co–localization of superoxide generation and NADP formation in plasma membrane fractions from human neutrophils. Shirley PS, et al. **Inflammation** 1984 Sep; 8(3):323–35

Diffusion of extracellular hydrogen peroxide into intracellular compartments of human neutrophils. Studies utilizing the inactivation of myeloperoxidase by hydrogen peroxide and azide. Ohno Y, et al. **J Biol Chem** 1985 Jul 15;260(14):8438–46

Decreased activity of acetyl–CoA carboxylase during chemically induced neutrophilic differentiation of human promyelocytic leukemia cells. Fischkoff SA, et al. **J Cell Biochem** 1984;26(2):75–81

Sterile isolation of polymorphonuclear leukocytes from large blood volumes. Kelbaek H. **J Clin Chem Clin Biochem** 1985 Jan;23(1):17–20

Neutrophil migration in vivo: analysis of a skin window technique. Koivuranta–Vaara P. **J Immunol Methods** 1985 May 10;79(1):71–8

Effects of dimaprit on growth and differentiation of human promyelocytic cell line, HL–60. Kalinyak KA, et al. **Life Sci** 1985 May 20;36(20):1909–16

Neutrophilic nodules in the intestinal walls of Japanese monkeys associated with the neutrophil chemotactic activity of larval extracts and secretions of Oesophagostomum aculeatum. Horii Y, et al. **Res Vet Sci** 1985 Jan;38(1):115–9

Heterophilic leucocytes are the predominant granulocytes in the ovary and ultimobranchial glands of the adult fowl. Maxwell MH. **Res Vet Sci** 1985 Jul;39(1):119–21

Lactoferrin in plasma measured by an ELISA technique: evidence that plasma lactoferrin is an indicator of neutrophil turnover and bone marrow activity in acute leukaemia. Birgens HS. **Scand J Haematol** 1985 Apr; 34(4):326–31

Significance of polymorphonuclear leukocytes in traumatic lumbar punctures [letter] McCauley J, et al. **South Med J** 1985 Jul;78(7):895

[Colony–forming ability of precursor cells of granulomonocytopoiesis in an agar bilayer system in healthy subjects] Balashova VA. **Arkh Anat Gistol Embriol** 1985 Apr;88(4):70–2 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Inhibition of human leukocyte metabolism and random mobility by local anaesthesia. Hammer R, et al. **Acta Anaesthesiol Scand** 1985 Jul;29(5):520–3

Effects of lithium carbonate on leukocyte functions in chronic benign neutropenia. Carulli G, et al. **Acta Haematol (Basel)** 1984;72(6):408–12

Comparison between luminol– and lucigenindependent chemiluminescence of polymorphonuclear leukocytes. Aniansson H, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Dec; 92(6):357–61

Metabolic activation of human neutrophils by fluid–phase and particle–bound ligands. Hed J, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Jun; 92(3):189–91

Effects of methotrexate, ampicillin and gentamicin alone and in combination on the in vitro locomotion on human polymorphonuclear cells (PMN). Melby K, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Oct; 92(5):331–3

Influence of the anti–inflammatory serine esterase inhibitor gabexate mesilate (Foy) on aggregation, locomotion and adhesion of polymorphonuclear leukocytes. Damerau B, et al. **Agents Actions** 1984 Dec;15(5–6):594–9

Effects of auranofin on leukotriene production and leukotriene stimulated neutrophil function. Hafström I, et al. **Agents Actions** 1984 Dec;15(5–6):551–5

Steroid–induced hypersegmentation in neutrophiles. Eichacker P, et al. **Am J Hematol** 1985 Jan;18(1):41–5

Inhibition of neutrophil activation by nonsteroidal anti–inflammatory drugs. Abramson S, et al. **Am J Med** 1984 Oct 15;77(4B):3–6

Phorbol ester–induced changes of cytoplasmic pH in neutrophils: role of exocytosis in Na+–H+ exchange. Grinstein S, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C379–86

Effects of soil infection potentiating factors on neutrophils in vitro. Dougherty SH, et al. **Am J Surg** 1985 Sep; 150(3):306–11

Effect of levamisole on lymphocyte blastogenesis and neutrophil function in dexamethasone–treated cattle. Roth JA, et al. **Am J Vet Res** 1984 Sep;45(9):1781–4

Effect of povidone, povidone–iodine, and iodide on locomotion (in vitro) of neutrophils from people, rats, dogs, and rabbits. Tvedten HW, et al. **Am J Vet Res** 1985 Aug; 46(8):1797–800

Amphotericin B causes aggregation of neutrophils and enhances pulmonary leukostasis. Berliner S, et al. **Am Rev Respir Dis** 1985 Sep;132(3):602–5

Reduction of neutrophil–mediated injury to pulmonary endothelial cells by dapsone. Martin WJ 2d, et al. **Am Rev Respir Dis** 1985 Apr;131(4):544–7

Anaesthetics and the immune response [letter] McCallum D. **Anaesthesia** 1985 Jun;40(6):589–91

Effect of tetracyclines and UV light on oxygen consumption by human leukocytes. Glette J, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):489–92

Effects of aminoglycoside antibiotics on polymorphonuclear leukocyte function in vivo. Venezio FR, et al. **Antimicrob Agents Chemother** 1985 May;27(5):712–4

A possible mechanism of action of thalidomide on rheumatoid arthritis [letter] Miyachi Y. **Arthritis Rheum** 1985 Jul; 28(7):836

In vitro effects of ureidopenicillins on human polymorphonuclear leukocytes. Burgaleta C, et al. **Arzneimittelforschung** 1985;35(6):958–60

Effects of bioflavonoids on phagocytosis, intracellular bactericidal activity and chemotaxis of human polymorphonuclear cells. Pruzanski W, et al. **Asian Pac J Allergy Immunol** 1983 Dec;1(2):97–103

Pyridine and imidazole reversibly inhibit the respiratory burst in porcine and human neutrophils: evidence for the involvement of cytochrome b558 in the reaction. Iizuka T, et al. **Biochem Biophys Res Commun** 1985 Jul 31; 130(2):621–6

Platelet–activating factor mediated effects on human neutrophil function are inhibited by pertussis toxin. Lad PM, et al. **Biochem Biophys Res Commun** 1985 Jun 28; 129(3):632–8

Low levels of mercury inhibit the respiratory burst in human polymorphonuclear leukocytes. Malamud D, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1145–51

2–Chloroadenosine inhibits complement–induced reactive oxygen metabolite production and recovery of human polymorphonuclear leucocytes attacked by complement. Roberts PA, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):692–7

Pertussis but not cholera toxin inhibits the stimulated increase in actin association with the cytoskeleton in rabbit neutrophils: role of the 'G proteins' in stimulus–response coupling. Shefcyk J, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1174–81

Mechanism of protection against 'reperfusion injury' by aprotinin. Roles of polymorphonuclear leucocytes and oxygen radicals. Hallett MB, et al. **Biochem Pharmacol** 1985 May 15;34(10):1757–61

Comparison of the effects of some compounds on human neutrophil degranulation and leukotriene B4 and thromboxane B2 synthesis. Palmer RM, et al. **Biochem Pharmacol** 1985 May 1;34(9):1485–90

Inhibition of neutrophil function by hydrogen peroxide. Effect of SH–group–containing compounds. Rajkovic IA, et al. **Biochem Pharmacol** 1985 Jun 15;34(12):2083–90

A novel biologically active seleno–organic compound—V. Inhibition by ebselen (PZ 51) of rat peritoneal neutrophil lipoxygenase. Safayhi H, et al. **Biochem Pharmacol** 1985 Aug 1;34(15):2691–4

Inhibitory effects of various drugs on phorbol myristate acetate and n–formyl methionyl leucyl phenylalanine induced O2– production in polymorphonuclear leukocytes. Taniguchi K, et al. **Biochem Pharmacol** 1984 Oct 15; 33(20):3165–9

Adriamycin effects on transplasma membrane redox functions in porcine neutrophils. McLoughlin PM, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):71–6

Polymorphonuclear leucocytes functions from premature infants after prevention of respiratory distress syndrome with betamethasone and ambroxol. Lazzarin A, et al. **Biol Res Pregnancy Perinatol** 1984;5(3):130–4

Impairment to viability of neutrophils and lymphocytes by angular psoralens and UV–radiation. Walther T, et al. **Biomed Biochim Acta** 1985;44(2):329–33

Effect of colchicine on viscoelastic properties of neutrophils. Chien S, et al. **Biophys J** 1984 Sep;46(3):383–6

Directional movement of cells in vivo and in vitro under the influence of 5–lipoxygenase inhibitors. Boot JR, et al.

Br J Dermatol 1985 Jul;113 Suppl 28:168–76

The chemiluminescent response of human phagocytic cells to mineral dusts. Gormley IP, et al. **Br J Exp Pathol** 1985 Aug;66(4):409–16

Effects of cetiedil on the oxidative metabolism of activated polymorphonuclear leucocytes. Kohzaki H, et al. **Br J Haematol** 1985 Jul;60(3):531–9

Restoration of defective EAG-rosetting capacity of cancer patient neutrophils by levamisole. Patrone F, et al. **Cancer** 1985 Apr 15;55(8):1668–72

In vitro effect of some antibiotics on phagocytic index of human neutrophils. el-Hawary A, et al. **Chemioterapia** 1984 Dec;3(6):354–7

Nafazatrom-induced salvage of ischemic myocardium in anesthetized dogs is mediated through inhibition of neutrophil function. Bednar M, et al. **Circ Res** 1985 Jul; 57(1):131–41

Inhibition of neutrophil phagocytosis and enzyme release by hyaluronic acid. Pisko EJ, et al. **Clin Exp Rheumatol** 1983 Jan–Mar;1(1):41–4

Propranolol's effect on phagocytizing ability of polymorphonuclears and monocytes [letter] Djaldetti M, et al. **Drug Intell Clin Pharm** 1985 Jul–Aug;19(7–8):583

Effect of dipyrone, acetylsalicylic acid and acetaminophen on human neutrophil chemotaxis. Matzner Y, et al. **Eur J Clin Invest** 1984 Dec;14(6):440–3

Influence of subinhibitory concentrations of antibiotics on opsonization and phagocytosis of Pseudomonas aeruginosa by human polymorphonuclear leukocytes. Milatovic D. **Eur J Clin Microbiol** 1984 Aug;3(4):288–93

In vivo effects of indomethacin and flurbiprofen on the locomotion of neutrophils elicited by immune and non-immune inflammation in the rat. Perianin A, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):327–33

Effect of some anti-inflammatory drugs on FMLP-induced chemotaxis and random migration of rat polymorphonuclear leucocytes. Pham Huy D, et al. **Eur J Pharmacol** 1985 May 8;111(2):251–6

Ascorbic acid inhibits the activity of polymorphonuclear leukocytes in inflamed ocular tissues. Williams RN, et al. **Exp Eye Res** 1984 Sep;39(3):261–5

Relevance of in vitro tests to in vivo acute skin inflammation: potential in vitro applications of skin keratome slices, neutrophils, fibroblasts, mast cells and macrophages. Parish WE. **Food Chem Toxicol** 1985 Feb;23(2):275–85

Effect of ticlopidine on neutrophil chemotaxis in rats. Cohn M, et al. **Haemostasis** 1985;15(2):114–8

Effect of long-term therapy with sulphasalazine, levamisole, corticosteroids and ascorbic acid and of disease activity on polymorphonuclear leukocyte function in patients with ulcerative colitis. Hermanowicz A, et al. **Hepatogastroenterology** 1985 Apr;32(2):81–6

Enhancement of base hexose-monophosphate shunt activity of human polymorphonuclear leucocytes by human beta-interferon. Ferrante A, et al. **Immunol Lett** 1984; 8(4):215–7

Effects of thiabendazole on dexamethasone-induced suppression of lymphocyte and neutrophil function in cattle. Kaeberle ML, et al. **Immunopharmacology** 1984 Dec; 8(3–4):129–36

Succinic acid, a metabolic by-product of Bacteroides species, inhibits polymorphonuclear leukocyte function. Rotstein OD, et al. **Infect Immun** 1985 May;48(2):402–8

Enhancement of polymorphonuclear leukocyte function against gram-positive aerobic organisms grown in the presence of lincomycin. Bassaris HP, et al. **Infection** 1984 Nov–Dec;12(6):369–71

The inactivation of the polymorphonuclear leukocyte by non-steroidal anti-inflammatory drugs. Abramson S, et al. **Inflammation** 1984 Jun;8 Suppl:S103–8

Inhibition of human neutrophil secondary granule discharge by antiinflammatory agents. Davies J, et al. **Inflammation** 1984 Dec;8(4):343–51

Effects of HC 20-511 (ketotifen) on chemiluminescence of human neutrophils. Kato T, et al. **Inflammation** 1985 Mar; 9(1):45–51

Effect of two gold compounds on human polymorphonuclear leukocyte lysosomal function and phagocytosis. Kühn SH, et al. **Inflammation** 1985 Mar;9(1):39–44

Ex vivo effects of nonsteroidal antiinflammatory drugs on arachidonic acid metabolism in neutrophils from a reverse passive Arthus reaction. Myers RF, et al. **Inflammation** 1985 Mar;9(1):91–8

Characterization of effect of N-formyl-methionyl-leucyl-phenylalanine on leukotriene synthesis in human polymorphonuclear leukocytes. Salari H, et al. **Inflammation** 1985 Jun;9(2):127–38

Bee venom inhibits superoxide production by human neutrophils. Somerfield SD, et al. **Inflammation** 1984 Dec; 8(4):385–91

Aggregating and prostanoid-releasing effects of platelet-activating factor and leukotrienes on human polymorphonuclear leukocytes and platelets. Dahl ML. **Int Arch Allergy Appl Immunol** 1985;76(2):145–50

Effect of 24 antimicrobial drugs on polymorphonuclear leukocyte adherence. Li SY, et al. **Int Arch Allergy Appl Immunol** 1985;76(2):151–5

In vitro cisplatin effects on phagocyte functions. Fumarulo R, et al. **Int J Cancer** 1985 Jun 15;35(6):777–80

Inhibition of polymorphonuclear leucocyte motility by benoxaprofen related to activation of cellular oxidative metabolism. Anderson R, et al **Int J Immunopharmacol** 1984;6(4):269–74

Modification of polymorphonuclear leucocyte function by imidazoles. Rowan-Kelly B, et al. **Int J Immunopharmacol** 1984;6(4):389–93

Chemotactic activity of hydroxyalkenals on rat neutrophils. Curzio M, et al. **Int J Tissue React** 1985;7(2):137–42

The effect of sodium citrate on the stimulation of polymorphonuclear leukocytes. Parker AV, et al. **Invest Ophthalmol Vis Sci** 1985 Sep;26(9):1257–61

Studies on the anti-inflammatory properties of thalidomide: effects on polymorphonuclear leukocytes and monocytes. Barnhill RL, et al. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 1):814–9

Stimulatory effects of carbenicillin and ticarcillin on the adhesion and spreading of human polymorphonuclear leukocytes. Burgaleta C, et al. **J Antimicrob Chemother** 1985 Jun;15(6):729–36

Interaction of subminimal inhibitory concentrations of clindamycin and gram-negative aerobic organisms: effects on adhesion and polymorphonuclear leukocyte function. Lianou PE, et al. **J Antimicrob Chemother** 1985 Apr; 15(4):481–7

Endothelial cell prostacyclin production induced by activated neutrophils. Miller DK, et al. **J Biol Chem** 1985 Jan 25;260(2):1006–14

Release of superoxide and change in morphology by neutrophils in response to phorbol esters: antagonism by inhibitors of calcium-binding proteins. Robinson JM, et al. **J Cell Biol** 1985 Sep;101(3):1052–8

Intracellular calcium redistribution and its relationship to fMet-Leu-Phe, leukotriene B4, and phorbol ester induced rabbit neutrophil degranulation. Naccache PH, et al. **J Cell Physiol** 1985 Feb;122(2):273–80

Effects of exogenous arachidonic, eicosapentaenoic, and docosahexaenoic acids on the generation of 5-lipoxygenase pathway products by ionophore-activated human neutrophils. Lee TH, et al. **J Clin Invest** 1984 Dec; 74(6):1922–33

Isolation and partial characterization of a human alveolar macrophage-derived neutrophil-activating factor. Pennington JE, et al. **J Clin Invest** 1985 Apr;75(4):1230–7

The effect of chemotherapeutic agents on chemotaxis and random migration of human leukocytes. MacFadden DK, et al. **J Clin Oncol** 1985 Mar;3(3):415–9

Dental pulp response to bacterial cell wall material. Warfvinge J, et al. **J Dent Res** 1985 Aug;64(8):1046–50

Effect of plant SH-protease on human polymorphonuclear leukocyte granule elastase. Hamanaka K, et al. **J Dermatol (Tokyo)** 1984 Dec;11(6):523–8

Pertussis toxin inhibition of chemotactic factor-induced calcium mobilization and function in human polymorphonuclear leukocytes. Goldman DW, et al. **J Exp Med** 1985 Jul 1;162(1):145–56

Adenosine inhibits polymorphonuclear leukocyte in vitro activation: a possible role as an endogenous calcium entry blocker. Pasini FL, et al. **J Immunopharmacol** 1985; 7(2):203–15

Regulation of the human polymorphonuclear leukocyte inflammatory response by inhibitors of arachidonic acid metabolism. Yocum DE, et al. **J Immunopharmacol** 1984; 6(4):237–55

Influence of drugs that block calcium channels on the microbicidal function of human neutrophils. Kazanjian PH, et al. **J Infect Dis** 1985 Jan;151(1):15–22

Defective triggering of polymorphonuclear leukocyte oxidative metabolism by Legionella pneumophila toxin. Lochner JE, et al. **J Infect Dis** 1985 Jan;151(1):42–6

Chlorpromazine inhibits neutrophil chemotaxis beyond the chemotactic receptor-ligand interaction. Lohr KM, et al. **J Infect Dis** 1984 Nov;150(5):643–52

Bactericidal effects of photoradiation therapy with hematoporphyrin derivative. Venezio FR, et al. **J Infect Dis** 1985 Jan;151(1):166–9

Multifunctional inhibition by anthralin in nonstimulated and chemotactic factor stimulated human neutrophils. Schröder JM, et al. **J Invest Dermatol** 1985 Jul;85(1):30–4

Stimulus-specific neutrophil aggregation: evaluation of possible mechanisms for the stimulus-response apparatus. Ringertz B, et al. **J Lab Clin Med** 1985 Aug;106(2):132–40

Effects of nicotine on the functions of human polymorphonuclear leukocytes in vitro. Sasagawa S, et al. **J Leukocyte Biol** 1985 May;37(5):493–502

Inhibition of human polymorphonuclear leukocyte cell responses by ibuprofen. Maderazo EG, et al. **J Pharm Sci** 1984 Oct;73(10):1403–6

Analysis of the effect of an anti-inflammatory steroid, dexamethasone, on neutrophil chemotaxis in the Boyden chamber with a modified 51Cr-labeling method. Kurihara A, et al. **J Pharmacobiodyn** 1984 Oct;7(10):747–54

Cytolytic effect of macrophages and polymorphonuclear leukocytes treated with acidic fraction of bakers' yeast mannan against MM46 tumor cells in vitro. Sakai K, et al. **J Pharmacobiodyn** 1984 Dec;7(12):943–50

Oxygen radical production by horse and pig neutrophils induced by a range of crystals. Higson FK, et al. **J Rheumatol** 1984 Dec;11(6):735–40

Extracts of feverfew inhibit granule secretion in blood platelets and polymorphonuclear leucocytes. Heptinstall S, et al. **Lancet** 1985 May 11;1(8437):1071–4

Differential effects of lipoxygenase products on FMLP and LTB4 evoked neutrophil aggregation. Beckman JK, et al. **Lipids** 1985 Jun;20(6):357–60

Effect of dietary enrichment with eicosapentaenoic and docosahexaenoic acids on in vitro neutrophil and monocyte leukotriene generation and neutrophil function. Lee TH, et al. **N Engl J Med** 1985 May 9;312(19):1217–24

Human granulocyte-macrophage colony-stimulating factor is a neutrophil activator. Weisbart RH, et al. **Nature** 1985 Mar 28–Apr 3;314(6009):361–3

Inhibition of human leukocyte locomotion by tilorone hydrochloride and by RMI 9563 DA measured in vitro. Hermanowicz A, et al. **Pol J Pharmacol Pharm** 1984 Sep–Oct;36(5):437–40

Direct interaction between polymorphonuclear neutrophils and cuprophan membranes in a plasma-free model of dialysis. Tetta C, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:150–5

Pertussis toxin inhibits fMet-Leu-Phe- but not phorbol ester-stimulated changes in rabbit neutrophils: role of G proteins in excitation response coupling. Volpi M, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2708–12

Interleukin-1 from P388D1: effects upon neutrophils, plasma iron, and fibrinogen in rats, mice, and rabbits. Kampschmidt RF, et al. **Proc Soc Exp Biol Med** 1985 Jun;179(2):197–200

Effect of 15-lipoxygenase-derived arachidonate metabolites on human neutrophil degranulation. O'Flaherty JT, et al. **Prostaglandins Leukotrienes Med** 1985 Feb;17(2):199–212

A comparison of the effects of tobramycin and netilmycin on the functions of human polymorphonuclear leucocytes and lymphocytes in vitro and in vivo. Anderson R, et al. **S Afr Med J** 1985 Jun 22;67(25):1007–9

Antifungal drugs affecting the chemotaxis of polymorphonuclear neutrophils. Davies RR, et al. **Sabouraudia** 1985 Apr;23(2):119–23

Retinoids activate superoxide production by polymorphonuclear leucocytes. Hemilä H, et al. **Scand J Immunol** 1985 Mar;21(3):227–34

Effect of cyclosporin A on human neutrophil and monocyte function. Kharazmi A, et al. **Scand J Immunol** 1985 Jun; 21(6):585–91

Heparin inhibition of polymorphonuclear leukocyte activation in vitro. A possible pharmacological approach to granulocyte-mediated vascular damage. Laghi Pasini F, et al. **Thromb Res** 1984 Sep 1;35(5):527–37

Effect of a fibrin(ogen)-derived vasoactive peptide on polymorphonuclear leukocyte emigration. Saldeen K, et al. **Thromb Res** 1985 Jan 1;37(1):85–9

Modulation of polymorphonucleate-mediated cytotoxicity against Candida albicans by thymosin alpha 1. Bistoni F, et al. **Thymus** 1985;7(2):69–84

Staphylococcal delta toxin-induced generation of chemiluminescence by human polymorphonuclear leukocytes. Tomita T, et al. **Toxicon** 1984;22(6):957–65

Effect of bacterial lipopolysaccharide on bovine polymorphonuclear neutrophil migration in vitro. Klesius PH, et al. **Vet Immunol Immunopathol** 1984 Oct; 7(3–4):239–44

[Effect of ethanol on human polynuclear neutrophils. In vitro and in vivo study] Laharrague P, et al. **Ann Med Interne (Paris)** 1985;136(3):210–2 (Eng. Abstr.) **(Fre)**

[Effect of carrageenan, galactose and 2,4-dinitrophenol on leukocyte phagocytosis of Staphylococcus aureus and E. coli] Stelzner A, et al. **Allerg Immunol (Leipz)** 1984; 30(4):212–21 (Eng. Abstr.) **(Ger)**

[Loss of vitality of polymorphonuclear neutrophilic granulocytes due to 5- or 8-methoxypsoralen and UV radiation] Gast W, et al. **Dermatol Monatsschr** 1984; 170(11):719–22 **(Ger)**

[Importance of prostaglandins for the in vitro adhesiveness and in vivo margination of neutrophilic granulocytes] Fehr J, et al. **Klin Wochenschr** 1985 Feb 15;63(4):152–7 (Eng. Abstr.) **(Ger)**

[Effect of bacterial lipopolysaccharide (S. minnesota R 595) on the luminol-dependent chemiluminescence of neutrophilic granulocytes in cord blood] Eschenbach C. **Monatsschr Kinderheilkd** 1985 Mar;133(3):171–4 (Eng. Abstr.) **(Ger)**

[Effect of colchicine and indomethacin on leukocytic phagocytosis of Staphylococcus aureus and E. coli] Schleef H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Aug; 257(3):388–99 (Eng. Abstr.) **(Ger)**

[Effect of ambroxol on the activity of phagocytic cells in vitro] Capsoni F, et al. **Arch Monaldi** 1984 May–Jun; 39(3):235–9 (Eng. Abstr.) **(Ita)**

[Indomethacin and oxamethacin as modulators of the production of superoxide anion in human leukocytes] Gavioli R, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30; 60(6):1095–101 (Eng. Abstr.) **(Ita)**

[Human neutrophil activating factor from a plant seed] Shichijo S, et al. **Arerugi** 1985 Mar;34(3):190–7 (Eng. Abstr.) **(Jpn)**

[Cell membrane dynamics and intracellular fluidity of inflammatory cells induced by FMLP and PHA] Shiotsuki K, et al. **Arerugi** 1985 Feb;34(2):135–41 (Eng. Abstr.) **(Jpn)**

[Effects of anti-inflammatory drugs on oxygen metabolism associated with phagocytosis by guinea pig polymorphonuclear leukocytes] Hayakawa T, et al. **Eisei Shikenjo Hokoku** 1984;(102):40–5 (Eng. Abstr.) **(Jpn)**

[Effects of anesthetics on the superoxide releasing activity of human polymorphonuclear leukocytes] Nakagawara M,

EWARK PUBLIC LIBRA

et al. **Masui** 1985 Jun;34(6):754–9 (Eng. Abstr.) **(Jpn)**

[Effect of triphenyltin chloride on superoxide (O2–.) production in human neutrophils] Matsui H, et al. **Sangyo Igaku** 1984 Mar;26(2):165–9 (Eng. Abstr.) **(Jpn)**

[Effect of levamisole on peripheral blood neutrophils in patients with neoplasms] Hrycek A, et al. **Pol Tyg Lek** 1984 May 21;39(21):705–7 (Eng. Abstr.) **(Pol)**

[Effects of pepstatin A on neutrophils; cross-deactivation with FMLP] Muniain MA, et al. **Rev Esp Fisiol** 1985 Mar; 41(1):125–31 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Altered releasability of vasoactive mediator secreting cells in atopic eczema. Ring J, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985;114:9–23 (96 ref.)

Changes in neutrophil alkaline phosphatase patterns in a case of chronic myelomonocytic leukemia. Vergnes HA, et al. **Acta Haematol (Basel)** 1985;73(3):168–72

Cellular and biochemical mechanisms involved in the degradation and healing of the cornea. The polymorphonuclear leukocyte and tear fluid serum antiproteases in human melting central corneal ulcers. Prause JU. **Acta Ophthalmol [Suppl] (Copenh)** 1984;168:1–40

Effect of combined human neutrophil cathepsin G and elastase on induction of secretory cell metaplasia and emphysema in hamsters, with in vitro observations on elastolysis by these enzymes. Lucey EC, et al. **Am Rev Respir Dis** 1985 Aug;132(2):362–6

Alveolar macrophage modulation of proteolysis by neutrophil elastase in extracellular matrix. McGowan SE, et al. **Am Rev Respir Dis** 1984 Nov;130(5):734–9

Inhibitors of human neutrophil elastase in extracts of Streptococcus pneumoniae. Vered M, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1118–24

Elastase in tissue injury. Janoff A. **Annu Rev Med** 1985; 36:207–16 (42 ref.)

Inhibition of human neutrophil elastase activity by encapsulated serum (Serumsome) therapy. Kuhn SH, et al. **Appl Biochem Biotechnol** 1984;10:309–12

Phospholipid transmethylation in the membrane of human neutrophils and lymphocytes. Niwa Y, et al. **Arch Biochem Biophys** 1984 Oct;234(1):7–14

Calmodulin-dependent NAD kinase of human neutrophils. Williams MB, et al. **Arch Biochem Biophys** 1985 Feb 15; 237(1):80–7

Studies on the role of polymorphonuclear leukocyte granule elastase in Arthus reaction. Hamanaka K, et al. **Arch Dermatol Res** 1984;276(6):370–4

Decreased myeloperoxidase activity of mice polymorphonuclear leukocytes by lithium carbonate treatment. Gómez-Estrada H, et al. **Arch Invest Med (Mex)** 1984 Oct–Dec;15(4):287–91 **(Eng, Spa)**

Enzymatic deficiencies of the immune system cells in patients with cancer of the larynx and other malignancies. Gierek T, et al. **Auris Nasus Larynx** 1985;12(1):47–51

Conversion of arachidonic acid to two novel products by a cytochrome P450-dependent mixed-function oxidase in polymorphonuclear leukocytes. Bednar MM, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):581–8

Activation of NADPH oxidase in human neutrophils. Synergism between fMLP and the neutrophil products PAF and LTB4. Dewald B, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):297–304

Activation of NADPH oxidase of human neutrophils. Potentiation of chemotactic peptide by a diacylglycerol. Dewald B, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):367–73

Platelet activating factor intravenous infusion in rats stimulates vascular lysosomal hydrolase secretion independent of blood neutrophils. Doebber TW, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):980–7

Release of thioltransferase from rabbit polymorphonuclear leucocytes by immune complex in vitro and inhibition of the enzyme by chloramphenicol. Hatakeyama M, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):458–63

Oxygenation of phosphatidylcholine by human polymorphonuclear leukocyte 15-lipoxygenase. Jung G, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):559–66

Cyclic tetrameric clusters of chemotactic peptides as superactive activators of lysozyme release from human neutrophils. Kraus JL, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):939–44

Evaluation of recombinant DNA-directed E.coli produced alpha 1-antitrypsin as an anti-neutrophil elastase for potential use as replacement therapy of alpha 1-antitrypsin deficiency. Straus SD, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1177–84

Reversible activation of human neutrophil calpain promoted by interaction with plasma membranes. Pontremoli S, et al. **Biochem Int** 1985 Jul;11(1):35–44

Composition of partially purified NADPH oxidase from pig neutrophils. Bellavite P, et al. **Biochem J** 1984 Nov 1; 223(3):639–48

Mechanism of the superoxide-producing oxidase of neutrophils. O2 is necessary for the fast reduction of cytochrome b-245 by NADPH. Cross AR, et al. **Biochem J** 1985 Mar 15;226(3):881–4

The superoxide-generating oxidase of leucocytes. NADPH-dependent reduction of flavin and cytochrome b in solubilized preparations. Cross AR, et al. **Biochem J** 1984 Oct 15;223(2):337–44

Human bronchial leucocyte proteinase inhibitor. Rapid isolation and kinetic analysis with human leucocyte proteinases. Smith CE, et al. **Biochem J** 1985 Jan 15; 225(2):463–72

Production of the superoxide adduct of myeloperoxidase (compound III) by stimulated human neutrophils and its reactivity with hydrogen peroxide and chloride. Winterbourn CC, et al. **Biochem J** 1985 Jun 15; 228(3):583–92

Inhibition of platelet and neutrophil phospholipase A2 by hydroxyeicosatetraenoic acids (HETES). A novel pharmacological mechanism for regulating free fatty acid release. Chang J, et al. **Biochem Pharmacol** 1985 May 1; 34(9):1571–5

Differential effects of oxidizing agents on human plasma alpha 1-proteinase inhibitor and human neutrophil myeloperoxidase. Matheson NR, et al. **Biochemistry** 1985 Apr 9;24(8):1941–5

Activation of guinea-pig and bovine neutrophil NADPH oxidase by N,N'-dicyclohexylcarbodiimide. Aviram A, et al. **Biochim Biophys Acta** 1985 Feb 21;844(2):224–32

Activation of human neutrophil NADPH oxidase and lateral mobility of membrane proteins. A study with crosslinkers. Aviram I, et al. **Biochim Biophys Acta** 1984 Oct 12; 805(2):227–31

Purification and characterisation of leukotriene A4 hydrolase from rat neutrophils. Evans JF, et al. **Biochim Biophys Acta** 1985 May 29;840(1):43–50

Subcellular localization and properties of lipase activities in human polymorphonuclear leukocytes. Hack NJ, et al. **Biochim Biophys Acta** 1985 Mar 6;833(3):406–11

Comparative reactivities of various biological compounds with myeloperoxidase-hydrogen peroxide-chloride, and similarity of the oxidant to hypochlorite. Winterbourn CC. **Biochim Biophys Acta** 1985 Jun 18;840(2):204–10

Inhibition of arachidonic acid 5-lipoxygenase of human polymorphonuclear leukocytes by esculetin. Panossian AG. **Biomed Biochim Acta** 1984;43(12):1351–5

Purification and characterization of the human neutrophil NADH-cytochrome b5 reductase. Tauber AI, et al. **Blood** 1985 Sep;66(3):673–8

Increased degranulation of human myeloperoxidase-deficient polymorphonuclear leucocytes. Dri P, et al. **Br J Haematol** 1985 Jan;59(1):115–25

Alkaline phosphatase in haematology. Hayhoe FG. **Cell Biochem Funct** 1983 Jul;1(2):74–6 (32 ref.)

The activities and subcellular localisation of neutral proteinases in human monocytes and polymorphonuclear leucocytes. Davies M, et al. **Cell Mol Biol** 1984; 30(4):337–43

Low neutrophil alkaline phosphatase in renal tubular acidosis with hypophosphatemia after toluene sniffing [letter] Weinstein S, et al. **Clin Chem** 1985 Feb;31(2):330–1

Studies of the biochemical and immunological properties of human neutrophil alkaline phosphatase with comparison to the established alkaline phosphatase isoenzymes. Smith GP, et al. **Clin Chim Acta** 1984 Sep 29;142(2):221–30

Superoxide dismutases in polymorphonuclear leukocytes from patients with ankylosing spondylitis or rheumatoid arthritis. Pasquier C, et al. **Clin Exp Rheumatol** 1985 Apr–Jun;3(2):123–6

Neutrophil mean peroxidase: a biologically interesting parameter with a potential for WBC differential quality control. Hewitt J, et al. **Clin Lab Haematol** 1985;7(1):33–42

Production of arachidonic acid lipoxygenase products during platelet-neutrophil interactions. Marcus AJ, et al. **Clin Physiol Biochem** 1984;2(2–3):78–83

Secretion of collagenolytic enzymes by human polymorphonuclear leukocytes. Hibbs MS, et al. **Coll Relat Res** 1984 Dec;4(6):467–77

Arylsulphatase A and acid phosphatase activities in plasma and leucocytes during LPS fever in the ox (Bos taurus). Kozak W, et al. **Comp Biochem Physiol [A]** 1985; 81(1):165–9

Examination of the enzyme assay for NADPH oxidoreductase; application to polymorphonuclear leukocyte superoxide anion generation. Zimmerman JJ, et al. **Crit Care Med** 1985 Mar;13(3):197–203

Isolation and comparative studies of glycogen phosphorylase isoenzymes from lymphocytes and polymorphonuclear leucocytes. Navarro E, et al. **Enzyme** 1984;32(2):76–83

Pertussis toxin inhibits chemotactic factor-induced phospholipase C stimulation and lysosomal enzyme secretion in rabbit neutrophils. Bradford PG, et al. **FEBS Lett** 1985 Apr 22;183(2):317–20

Activation of protein kinase C in neutrophil cytoplasts. Localization of protein substrates and possible relationship with stimulus-response coupling. Gennaro R, et al. **FEBS Lett** 1985 Jan 28;180(2):185–90

Detection of NADPH diaphorase activity associated with human neutrophil NADPH-O2 oxidoreductase activity. Green TR, et al. **FEBS Lett** 1985 Jan 1;179(1):82–6

Acid phosphatase of neutrophils in patients with malignancies. Lisiewicz J, et al. **Folia Haematol (Leipz)** 1984;111(5):595–8

Lysosomal enzyme activities in polymorphonuclear leukocytes, macrophages, serum, and spleen of conventional, germ-free, and antigen-free Minnesota miniature swine. Ferenčík M, et al. **Folia Microbiol (Praha)** 1985;30(1):65–75

Quantitative assay for acute intestinal inflammation based on myeloperoxidase activity. Assessment of inflammation in rat and hamster models. Krawisz JE, et al. **Gastroenterology** 1984 Dec;87(6):1344–50

Neutrophil acid phosphatase activity in patients with gastric or rectum carcinoma during surgical treatment. Merkiel K, et al. **Haematologia (Budap)** 1984;17(3):383–6

Cellular acid phosphatase activity: correlation of cytochemical and biochemical measurements. Goldstein E, et al. **Histochem J** 1985 Mar;17(3):381–6

Effect of neutrophil cathepsin G on elastin degradation by neutrophil elastase. Reilly CF, et al. **Hoppe Seylers Z Physiol Chem** 1984 Sep;365(9):1131–5

Effect of guanosine nucleotides on the respiratory burst oxidase from human neutrophils. Kaufman MR, et al. **Inflammation** 1983 Sep;7(3):233–40

Membrane endopeptidases of human neutrophil. Tsan MF, et al. **Inflammation** 1985 Jun;9(2):113–26

In vitro effects of enzymes of polymorphonuclear leukocytes on the antigenicity of stratum corneum. Dabski K, et al. **Int Arch Allergy Appl Immunol** 1985;77(3):287–91

Inhibition of neutrophil phospholipase A2 by p-bromophenylacyl bromide, nordihydroguaiaretic acid, 5,8,11,14-eicosatetraynoic acid and quercetin. Lanni C, et al. **Int Arch Allergy Appl Immunol** 1985;76(3):214–7

Analysis of leukotriene-inducing (lipoxygenase, glutathione-S-transferase) and -metabolizing (gamma-glutamyltranspeptidase, dipeptidase) enzymes from human polymorphonuclear granulocytes. Raulf M, et al. **Int Arch Allergy Appl Immunol** 1985;77(1–2):115–7

Purification and properties of alkaline phosphatase from human polymorphonuclear leukocytes. Smith GP, et al. **Int J Biochem** 1985;17(2):209–15

Human polymorphonuclear leukocyte collagenase and gelatinase. Comparison of certain enzymatic properties. Williams HR, et al. **Int J Biochem** 1984;16(12):1321–9

Effect of growth hormone on the activity of some lysosomal enzymes in neutrophilic polymorphonuclear leukocytes of hypopituitary dwarfs. Rovenský J, et al. **Int J Tissue React** 1985;7(2):153–9

Biochemical comparison of myeloperoxidase of leukemic myeloblasts and normal neutrophilic granulocytes. Morishita K, et al. **J Appl Biochem** 1984 Oct–Dec; 6(5–6):271–7

Purification and some properties of a membrane-bound dipeptidyl peptidase IV of guinea pig casein-induced intraperitoneal leukocytes. Kudo M, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1211–8

Purification and characterization of a membrane-bound NADPH-cytochrome c reductase capable of catalyzing menadione-dependent O2– formation in guinea pig polymorphonuclear leukocytes. Sakane F, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):671–8

The enzyme that cleaves apolipoprotein A-II upon in vitro incubation of human plasma high-density lipoprotein-3 with blood polymorphonuclear cells is an elastase. Byrne RE, et al. **J Biol Chem** 1984 Dec 10;259(23):14537–43

Leukotriene A3. A poor substrate but a potent inhibitor of rat and human neutrophil leukotriene A4 hydrolase. Evans JF, et al. **J Biol Chem** 1985 Sep 15;260(20):10966–70

Activation of the human neutrophil NADPH oxidase results in coupling of electron carrier function between ubiquinone-10 and cytochrome b559. Gabig TG, et al. **J Biol Chem** 1985 Apr 10;260(7):3991–5

Biochemical and immunological characterization of the secreted forms of human neutrophil gelatinase. Hibbs MS, et al. **J Biol Chem** 1985 Feb 25;260(4):2493–500

Cell damage unmasks 15-lipoxygenase activity in human neutrophils. McGuire J, et al. **J Biol Chem** 1985 Jul 15; 260(14):8316–9

Factors controlling the release from human blood polymorphonuclear cells in vitro of a proteolytic activity directed against apolipoprotein A-II. Polacek D, et al. **J Biol Chem** 1984 Dec 10;259(23):14531–6

Characterization and separation of the arachidonic acid 5-lipoxygenase and linoleic acid omega-6 lipoxygenase (arachidonic acid 15-lipoxygenase) of human polymorphonuclear leukocytes. Soberman RJ, et al. **J Biol Chem** 1985 Apr 10;260(7):4508–15

Enhancement by Ca2+ or Mg2+ of catalytic activity of the superoxide-producing NADPH oxidase in membrane fractions of human neutrophils and monocytes. Suzuki H, et al. **J Biol Chem** 1985 Mar 25;260(6):3635–9

'PMN-elastase assay': enzyme immunoassay for human polymorphonuclear elastase complexed with alpha 1-proteinase inhibitor. Neumann S, et al. **J Clin Chem Clin Biochem** 1984 Oct;22(10):693–7

Human neutrophil elastase modulates platelet function by limited proteolysis of membrane glycoproteins. Brower MS, et al. **J Clin Invest** 1985 Feb;75(2):657–66

Comparison of live human neutrophil and alveolar macrophage elastolytic activity in vitro. Relative resistance of macrophage elastolytic activity to serum and alveolar proteinase inhibitors. Chapman HA Jr, et al. **J Clin Invest** 1984 Nov;74(5):1693–700

Activation of human neutrophil nicotinamide adenine dinucleotide phosphate, reduced (triphosphopyridine nucleotide, reduced) oxidase by arachidonic acid in a cell-free system. Curnutte JT. **J Clin Invest** 1985 May; 75(5):1740–3

Activation of the respiratory burst enzyme from human neutrophils in a cell-free system. Evidence for a soluble cofactor. McPhail LC, et al. **J Clin Invest** 1985 May; 75(5):1735–9

Proteolysis in milk: the significance of proteinases originating from milk leucocytes and a comparison of the action of leucocyte, bacterial and natural milk proteinases on casein. Grieve PA, et al. **J Dairy Res** 1985 Feb;52(1):101-12

Degradation of the epidermal-dermal junction by proteolytic enzymes from human skin and human polymorphonuclear leukocytes. Briggaman RA, et al. **J Exp Med** 1984 Oct 1;160(4):1027-42

Improved localization of intracellular sites of phosphatases using cerium and cell permeabilization. Robinson JM. **J Histochem Cytochem** 1985 Aug;33(8):749-54

Studies of cytochrome b-245 translocation in the PMA stimulation of the human neutrophil NADPH-oxidase. Higson FK, et al. **J Immunol** 1985 Jul;135(1):519-24

Oxidant membrane injury by the neutrophil myeloperoxidase system. I. Characterization of a liposome model and injury by myeloperoxidase, hydrogen peroxide, and halides. Sepe SM, et al. **J Immunol** 1985 Mar;134(3):1888-95

Oxidant membrane injury by the neutrophil myeloperoxidase system. II. Injury by stimulated neutrophils and protection by lipid-soluble antioxidants. Sepe SM, et al. **J Immunol** 1985 Mar;134(3):1896-901

Micromolar concentrations of free calcium provoke secretion of lysozyme from human neutrophils permeabilized with saponin. Smolen JE, et al. **J Immunol** 1985 Mar;134(3):1859-65

Quantitative study of secretory cell metaplasia induced by human neutrophil elastase in the large bronchi of hamsters. Breuer R, et al. **J Lab Clin Med** 1985 May;105(5):635-40

Activation of a NADPH oxidase from horse polymorphonuclear leukocytes in a cell-free system. Heyneman RA, et al. **J Leukocyte Biol** 1984 Dec;36(6):751-9

Clinical differences in chronic granulomatous disease in patients with cytochrome b-negative or cytochrome b-positive neutrophils. Weening RS, et al. **J Pediatr** 1985 Jul;107(1):102-4

Possible role of calmodulin in the control of lysosomal enzyme release from human polymorphonuclear leukocytes. Marone G, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):678-84

Superoxide dismutase and glutathione peroxidase activities in neutrophils from selenium deficient and copper deficient cattle. Arthur JR, et al. **Life Sci** 1985 Apr 22;36(16):1569-75

Increased activity of 5-lipoxygenase in polymorphonuclear leukocytes from asthmatic patients. Mita H, et al. **Life Sci** 1985 Sep 9;37(10):907-14

Regulation of human neutrophil guanylate cyclase by metal ions, free radicals and the muscarinic cholinergic receptor. Lad PM, et al. **Mol Immunol** 1985 Jul;22(7):731-9

Neutrophil alkaline phosphatase in hypophosphatasia [letter] Stinson RA, et al. **N Engl J Med** 1985 Jun 20;312(25):1642-3

Respiratory burst oxidase from human neutrophils: purification and some properties. Markert M, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3144-8

Identification and functional characterization of leukotriene B4 20-hydroxylase of human polymorphonuclear leukocytes. Soberman RJ, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2292-5

Heparin inhibition of human neutrophil and eosinophil-enriched leukocyte acid beta-glycerophosphatase. West BC. **Proc Soc Exp Biol Med** 1985 Mar;178(3):373-84

6,7,4'-Trihydroxyisoflavan: a potent and selective inhibitor of 5-lipoxygenase in human and porcine peripheral blood leukocytes. Kuhl P, et al. **Prostaglandins** 1984 Dec;28(6):783-804

Evaluation of inhibitors of eicosanoid synthesis in leukocytes: possible pitfall of using the calcium ionophore A23187 to stimulate 5' lipoxygenase. Salmon JA, et al. **Prostaglandins** 1985 Mar;29(3):377-85

Polymorphonuclear leukocyte 5-lipoxygenase activity in psoriasis. Ruzicka T, et al. **Prostaglandins Leukotrienes Med** 1985 Jun;18(3):313-9

Serum antielastase and neutrophil elastase levels in PiM phenotype cigarette smokers with airflow obstruction. Binder R, et al. **Respiration** 1985;47(4):267-77

Evaluation of neutrophil alkaline phosphatase (NAP) activity: untreated myeloid leukaemia, lymphoid leukaemia and normal humans. Bendix-Hansen K, et al. **Scand J Haematol** 1985 Mar;34(3):264-9

Lysosomal hydrolases in neutrophils, mononuclear cells and serum during Escherichia coli endotoxinaemia in pigs. Andersen OK, et al. **Scand J Infect Dis** 1984;16(4):349-58

Oxidative autoactivation of latent collagenase by human neutrophils. Weiss SJ, et al. **Science** 1985 Feb 15;227(4688):747-9

Anticoagulant properties of purified X-like fragments of human fibrinogen produced by degradation with leukocyte elastase. Sterrenberg L, et al. **Thromb Haemost** 1984 Jul 29;51(3):398-402

A potential second messenger role for arachidonic acid: activation of Ca2+-dependent protein kinase. McPhail LC, et al. **Trans Assoc Am Physicians** 1984;97:222-31

Observations on the amyloid-degrading activity of serum and its relationship to human neutrophil elastase. Skinner M, et al. **Trans Assoc Am Physicians** 1983;96:437-43

[A micromethod for the determination of reductase activity in human neutrophilic leukocytes--MIKRO-INT] Mareček D, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1982;25(5):563-6 (Eng. Abstr.) **(Cze)**

[Detection of induced enzyme secretion from neutrophilic granulocytes in the human--a marker of cell activation] von Baehr R, et al. **Folia Haematol (Leipz)** 1984;111(5):692-700 (Eng. Abstr.) **(Ger)**

[Morphological, ultrastructural, cytochemical and functional analysis of neutrophils deficient in myeloperoxidase] Lanza F, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30;61(3):453-9 (Eng. Abstr.) **(Ita)**

[Hereditary myeloperoxidase deficiency syndrome: clinical and hematologic features of 10 cases] Lanza F, et al. **Recenti Prog Med** 1985 Feb;76(2):71-8 (Eng. Abstr.) **(Ita)**

[Effect of OK-432 on activated lysozyme in monocytes and neutrophils --comparison of intravenous and intramuscular administrations] Fujii M, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):383-4 **(Jpn)**

[N-Acetyl-beta-D-glucosaminidase deficiency in the neutrophils and lymphocytes of patients with psoriasis] Lisiewicz J, et al. **Patol Pol** 1984 Oct-Dec;35(4):509-16 (Eng. Abstr.) **(Pol)**

[Cytochemical evaluation of selected enzymes of peripheral blood neutrophils in women with chronic iron deficiency anemia] Hrycek A, et al. **Pol Arch Med Wewn** 1984 Apr;71(4):215-9 (Eng. Abstr.) **(Pol)**

[Effect of stimulation of beta-adrenergic and H2 receptors of polymorphonuclear granulocytes on the release of lysosomal enzymes in patients with hay fever before and after treatment with Pollinex] Wrzyszcz M, et al. **Pol Tyg Lek** 1985 Mar 25-31;40(12-13):377-9 **(Pol)**

[Acid phosphatase of peripheral blood neutrophils in patients with psoriasis] Legieć C, et al. **Przegl Dermatol** 1984 May-Jun;71(3):225-9 (Eng. Abstr.) **(Pol)**

[Cytochemical study of leukocyte enzyme activity in late toxicosis of pregnancy] Mashaeva LL, et al. **Akush Ginekol (Mosk)** 1985 May;(5):29-31 (Eng. Abstr.) **(Rus)**

[Acid and alkaline phosphatase activity of blood neutrophils in the workers in a synthetic rubber plant] Mamedov AM, et al. **Gig Tr Prof Zabol** 1985 May;(5):31-5 (Eng. Abstr.) **(Rus)**

[Use of a cytochemical method of detecting acid phosphatase for evaluating neutrophil lysosome function] Mikhaĭlov GT. **Lab Delo** 1984;(8):468-71 (Eng. Abstr.) **(Rus)**

[Mitochondrial enzyme activity of blood neutrophils during the sanatorium-health resort treatment of children with neurodermatitis] Ivanova MV, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):12-5 (Eng. Abstr.) **(Rus)**

[Acid phosphatase in peripheral blood leukocytes of patients with psoriasis] Moshchiński P, et al. **Vestn Dermatol Venerol** 1984 Sep;(9):19-23 (Eng. Abstr.) **(Rus)**

[Myeloperoxidase deficiency in polymorphonuclear cells of children with recurrent infections] Vázquez-Escobosa C, et al. **Bol Med Hosp Infant Mex** 1984 Nov;41(11):614-6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Effects of human interferon preparations on neutrophil function. Udén AM, et al. **Acta Med Scand** 1984;216(2):179-86

Interaction between human polymorphonuclear leukocytes (PMNL) and bacteria cultivated in aerobic and anaerobic conditions. Maluszynska GM, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Apr;93(2):139-43

Mannose-specific and hydrophobic interaction between Escherichia coli and polymorphonuclear leukocytes--influence of bacterial culture period. Ohman L, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Apr;93(2):125-31

Flow cytometric studies on phagocyte function in bacterial infections. Bassøe CF. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Jun;92(3):167-71

Neutrophil recruitment in skin window chambers--activation by complement. Elmgreen J. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Jun;93(3):139-42

Killing of gram-negative bacteria by neutrophils: role of O2-independent system in intracellular killing and evidence of O2-dependent extracellular killing. Weiss J, et al. **Adv Exp Med Biol** 1985;184:35-50

Neutrophil accumulation on immune-complex-coated substrata in vitro. Wilkinson PC, et al. **Agents Actions** 1985 Mar;16(1-2):46-7

Chemotactic function of polymorphonuclear leukocytes from patients with recurrent infections: partial correction by levamisole 'in vitro'. Stein AN, et al. **Allergol Immunopathol (Madr)** 1985 Mar-Apr;13(2):127-34

Complement-activating antineutrophil antibody in systemic lupus erythematosus. Rustagi PK, et al. **Am J Med** 1985 Jun;78(6 Pt 1):971-7

The role of neutrophils in type II collagen-induced arthritis in rats. Schrier D, et al. **Am J Pathol** 1984 Oct;117(1):26-9

Incidence of neutrophil antigens on human cord neutrophils. Madyastha PR, et al. **Am J Reprod Immunol** 1984 Oct-Nov;6(3):124-7

Immune-mediated migration of neutrophils into the uterine lumen of guinea pigs. Targowski SP. **Am J Reprod Immunol** 1984 Dec;6(4):190-4

Characterization of neutrophil iodination for the assessment of phagocytic and opsonic function in septic patients. Kellerman JS, et al. **Am J Surg** 1985 Sep;150(3):301-5

Effects of selenium on polymorphonuclear leukocyte function in goats. Aziz ES, et al. **Am J Vet Res** 1984 Sep;45(9):1715-8

Functional and ultrastructural changes in neutrophils from mares and foals experimentally inoculated with a respiratory tract strain of equine herpesvirus-1. Coignoul FL, et al. **Am J Vet Res** 1984 Oct;45(10):1972-5

Enhancement of lymphocyte blastogenesis and neutrophil function by avridine in dexamethasone-treated and nontreated cattle. Roth JA, et al. **Am J Vet Res** 1985 Jan;46(1):53-7

Role of serum in stimulation of polymorphonuclear leukocyte, luminol-dependent chemiluminescence by influenza A. Shult PA, et al. **Am Rev Respir Dis** 1985 Feb;131(2):267-72

Biologically active products of complement and acute lung injury in patients with the sepsis syndrome. Weinberg PF, et al. **Am Rev Respir Dis** 1984 Nov;130(5):791-6

Subnormal sensitivity of neutrophils to complement split product C5a in rheumatoid arthritis: relation to complement catabolism and disease extent. Elmgreen J, et al. **Ann Rheum Dis** 1985 Aug;44(8):514-8

Serum-mediated depression of neutrophil chemiluminescence following blunt trauma. Lanser ME, et al. **Ann Surg** 1985 Jul;202(1):111-8

Regulation of neutrophil migratory function in burn injury by complement activation products. Solomkin JS, et al. **Ann Surg** 1984 Dec;200(6):742-6

Opsonin-independent phagocytosis of Pseudomonas aeruginosa. Speert DP, et al. **Antibiot Chemother** 1985;36:88-94

Therapeutic relevance of penicillin-induced hypersensitivity of Staphylococcus aureus to killing by polymorphonuclear leukocytes. Lam C, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):149-54

Etretinate therapy for psoriasis. Reduction of antibody-dependent cell-mediated cytotoxicity of polymorphonuclear leukocytes. Ellis CN, et al. **Arch Dermatol** 1985 Jul;121(7):877-80

Phagocytosis and intracellular killing of mucoid and nonmucoid variants of Pseudomonas aeruginosa by polymorphonuclear leukocytes: effect of specific immune sera. Gościniak G, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(4):467-79

Escherichia coli and human neutrophils. Effect of bacterial supernatant with hemolysin activity upon chemotaxin receptors. Pruett TL, et al. **Arch Surg** 1985 Feb;120(2):212-6

Severe alcohol abuse and cellular immune functions. Watson RR, et al. **Ariz Med** 1984 Oct;41(10):665-8 (15 ref.)

Phagocytosis and intracellular killing by polymorphonuclear cells from patients with rheumatoid arthritis and Felty's syndrome. Breedveld FC, et al. **Arthritis Rheum** 1985 Apr;28(4):395-404

Luminol-dependent chemiluminescence produced by neutrophils stimulated by immune complexes. Cheung K, et al. **Aust J Exp Biol Med Sci** 1984 Aug;62 (Pt 4):403-19

A mature myeloid antigen identified on human natural killer cells. López AF, et al. **Aust J Exp Biol Med Sci** 1984 Aug;62 (Pt 4):445-51

Vasculitis and glomerulonephritis: a subgroup with an antineutrophil cytoplasmic antibody. Hall JB, et al. **Aust NZ J Med** 1984 Jun;14(3):277-8

The interaction of IgG with Fc gamma receptors on human neutrophils. Hofstaetter T, et al. **Behring Inst Mitt** 1984 Nov;(76):75-87

Neutrophil differentiation antigens. Cotter TG. **Biochem Soc Trans** 1985 Apr;13(2):417-8

Deficiency of neutrophil bactericidal activity in term and preterm infants. A longitudinal study. Chirico G, et al. **Biol Neonate** 1985;47(3):125-9

Effect of human saliva on the phagocytotic activity of polymorphonuclear leukocytes and monocytes. Mittelman M, et al. **Biomed Pharmacother** 1984;38(3):171-5

Rat and human polymorphonuclear leukocyte derived lymphocyte stimulatory factors. Sheng YJ, et al. **Biomed Pharmacother** 1984;38(6):304-8

Novel fluorescence method to visualize antibody-dependent hydrogen peroxide-associated 'killing' of liposomes by phagocytes. Petty HR, et al. **Biophys J** 1985 Jun;47(6):837-40

Down-regulation of K cell activity by neutrophils. Dallegri F, et al. **Blood** 1985 Mar;65(3):571-7

The role of neutrophil membrane glycoprotein GP-150 in neutrophil adherence to endothelium in vitro. Harlan JM, et al. **Blood** 1985 Jul;66(1):167-78

Monoclonal antibody AHN-1 inhibits phagocytosis by human neutrophils. Skubitz KM, et al. **Blood** 1985 Feb;65(2):333-9

Correlation between the stimulation of human neutrophil function by monoclonal antibody and by colony-stimulating factor. Vadas MA, et al. **Blood** 1985 Sep;66(3):738-41

Neutrophils adherent to a nonphagocytosable surface (glomerular basement membrane) produce oxidants only at the site of attachment. Vissers MC, et al. **Blood** 1985 Jul;66(1):161-6

Cellular cytotoxicity mediated by granule-depleted neutrophil cytoplasts. Dallegri F, et al. **Blut** 1985 Aug;

NEWARK PUBLIC LIBRA

51(2):97–102

Oxygen metabolism of phagocytosing human polymorphonuclear leucocytes in diabetes mellitus. Markert M, et al. **Blut** 1984 Dec;49(6):447–55

Phagocytic function of polymorphonuclear leukocytes in essential mixed cryoglobulinaemia. Capsoni F, et al. **Boll Ist Sieroter Milan** 1982;61(5):404–10

Alterations of surface receptors on intralesional neutrophils in pustular psoriasis and palmo-plantar pustulosis. Iwatsuki K, et al. **Br J Dermatol** 1985 Jan;112(1):53–6

The polymorphonuclear neutrophils migrant across the human skin express mostly a Fc receptor. Stalder JF, et al. **Br J Dermatol** 1985 Jul;113 Suppl 28:104–8

Opsonins in normal mouse serum for the phagocytic killing of Proteus mirabilis by murine neutrophils. Finlay-Jones JJ, et al. **Br J Exp Pathol** 1984 Dec;65(6):711–8

Antitoxin activity of human polymorphonuclear leucocytes. Larson HE, et al. **Br J Exp Pathol** 1985 Apr;66(2):243–9

Absence of ABH antigens on neutrophils. Dunstan RA, et al. **Br J Haematol** 1985 Aug;60(4):651–7

The severity of immune neutropenia correlates with the maturational specificity of antineutrophil antibodies. Harmon DC, et al. **Br J Haematol** 1984 Oct;58(2):209–15

Activation of neutrophil phagocytosis of complement coated and IgG coated sheep erythrocytes by platelet release products. Sakamoto H, et al. **Br J Haematol** 1985 May; 60(1):173–81

The relationship between phagocytosis and intracellular killing of Staphylococcus aureus by bovine neutrophils. Williams MR, et al. **Br Vet J** 1985 Jul–Aug;141(4):362–71

Neutrophil granulocyte functions in severely burned patients. Arturson G. **Burns Incl Therm Inj** 1985 Jun;11(5):309–19

Inefficient in vitro killing of virulent or nonvirulent Salmonella typhimurium by murine polymorphonuclear neutrophils. Baron EJ, et al. **Can J Microbiol** 1984 Oct; 30(10):1264–70

Role of inflammatory neutrophils in antitumor effects induced by intraperitoneal administration of Corynebacterium parvum in mice. Lichtenstein AK, et al. **Cancer Res** 1984 Nov;44(11):5118–23

Induction of tumoricidal activity of polymorphonuclear leukocytes by a linear beta-1,3-D-glucan and other immunomodulators in murine cells. Morikawa K, et al. **Cancer Res** 1985 Apr;45(4):1496–501

Hydrogen peroxide as a tumoricidal mediator of murine polymorphonuclear leukocytes induced by a linear beta-1,3-D-glucan and some other immunomodulators. Morikawa K, et al. **Cancer Res** 1985 Aug;45(8):3482–6

Interferon enhances antibody-dependent cellular cytotoxicity when suboptimal concentrations of antibody are used. Basham TY, et al. **Cell Immunol** 1984 Oct 15;88(2):393–400

Rejection of murine ovarian cancer following treatment with regional immunotherapy: correlations with a neutrophil-mediated activation of cytostatic macrophages. Lichtenstein A. **Cell Immunol** 1985 Sep;94(2):521–35

Role of hydroxyl radical in neutrophil-mediated cytotoxicity. Umeda T, et al. **Cell Mol Biol** 1985;31(3):229–33

Preliminary study of neutrophil leukocyte function in uremic patients and renal transplant recipients. Lee CJ, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Aug;17(3):138–45

Selective accumulation of the first component of complement and leukocytes in ischemic canine heart muscle. A possible initiator of an extra myocardial mechanism of ischemic injury. Rossen RD, et al. **Circ Res** 1985 Jul;57(1):119–30

Fc receptors for IgG on human neutrophils: analysis of structure and function by using monoclonal antibody probes. Rosenberg JS, et al. **Clin Chem** 1985 Sep; 31(9):1444–8

Studies on fibronectin in inflammatory vs non-inflammatory polymorphonuclear leucocytes of patients with rheumatoid arthritis. I. Immunofluorescent and flow cytometric analysis. Beaulieu AD, et al. **Clin Exp Immunol** 1985 May; 60(2):339–46

Inverse relationship between interferon production by mononuclear leucocytes and oxidative metabolism of neutrophil granulocytes in infection prone children. Bondestam M, et al. **Clin Exp Immunol** 1985 Apr; 60(1):196–202

New lymphokines produced by SLE sera stimulated lymphocytes: the PNAF (polymorphonuclear activating factors). Labro-Bryskier MT, et al. **Clin Exp Immunol** 1985 Feb;59(2):442–8

Studies on fibronectin in inflammatory vs non-inflammatory polymorphonuclear leucocytes of patients with rheumatoid arthritis. II. Synthesis and release of fibronectin in vitro. Menard C, et al. **Clin Exp Immunol** 1985 May;60(2):347–54

Enhancement of human eosinophil- and neutrophil-mediated killing of schistosomula of Schistosoma mansoni by reversed type (IgE-mediated) anaphylaxis, in vitro. Moqbel R, et al. **Clin Exp Immunol** 1985 Mar;59(3):577–86

Neutrophil phagocytosis in sarcoidosis. Reduced C3b receptor-mediated phagocytosis in active and silent sarcoidosis. Schmekel B, et al. **Clin Exp Immunol** 1985 Apr; 60(1):191–5

Familial defect of polymorph neutrophil phagocytosis associated with absence of a surface glycoprotein antigen (OKMI). Thompson RA, et al. **Clin Exp Immunol** 1984 Oct;58(1):229–36

Neutrophil function and infectious disease in workers occupationally exposed to phosphoorganic pesticides: role of mononuclear-derived chemotactic factor for neutrophils. Hermanowicz A, et al. **Clin Immunol Immunopathol** 1984 Oct;33(1):13–22

Sequential development of platelet, neutrophil and red cell autoantibodies associated with measles infection. Chapman JF, et al. **Clin Lab Haematol** 1984;6(3):219–28

Diminished bactericidal activity in megalocytic interstitial nephritis. Cledes J, et al. **Clin Nephrol** 1985 Feb;23(2):101–4

The use of glycogen-induced guinea pig polymorphonuclear leukocytes to detect inhibitors of chemotaxis found in human serum. Judd RC, et al. **Diagn Immunol** 1985;3(1):1–6

Effect of a single oral dose of doxycycline on polymorphonuclear leukocyte migration in a casein gradient. Bäck O, et al. **Eur J Clin Pharmacol** 1985; 28(2):193–5

Phagocytosis and neutrophil bactericidal capacity in patients with uremia. Wierusz-Wysocka B, et al. **Folia Haematol (Leipz)** 1984;111(5):589–94

Changes in the migratory activity of polymorphonuclear leukocytes after administration of Freund's adjuvant. John C, et al. **Folia Microbiol (Praha)** 1985;30(3):224–30

Changes in polymorphonuclear leukocyte motility under agarose and luminol-dependent chemiluminescence response in patients with gastric cancer. Hirano T. **Gastroenterol Jpn** 1984 Oct;19(5):447–56

Evidence against a role for neutrophils in the clearance of small immune complexes. Hofstaetter T, et al. **Immunobiology** 1984 Dec;167(5):506–19

Further evidence for the procidin function of C3. Bridges CG, et al. **Immunol Lett** 1985;9(6):337–42

Complement activation according to the alternate pathway by glass and plastic surfaces and its role in neutrophil adhesion. Hed J, et al. **Immunol Lett** 1984;8(6):295–9

Hemolysis and suppression of neutrophil chemotaxis by a low molecular weight component of human burn patient sera. Ninnemann JL, et al. **Immunol Lett** 1985;10(2):63–9

Functions of polymorphonuclear (PMN) leukocytes of patients with lymphoproliferative diseases. Peller S, et al. **Immunol Lett** 1985;10(1):53–6

Purificaton and characterization of a new antigen from human polymorphonuclears. Rojas Moreno M, et al. **Immunol Lett** 1985;9(4):215–20

Genetically determined resistance to listeriosis is associated with increased accumulation of inflammatory neutrophils and macrophages which have enhanced listericidal activity. Czuprynski CJ, et al. **Immunology** 1985 Jul;55(3):511–8

Inhibition of human neutrophil locomotion by the polyamine oxidase-polyamine system. Ferrante A. **Immunology** 1985 Apr;54(4):785–90

Erythrocyte enhancement of C3b-mediated phagocytosis by human neutrophils in vitro: a combined effect of the erythrocyte complement receptors CR1 and erythrocyte scavengers to reactive oxygen metabolites (ROM). Forslid J, et al. **Immunology** 1985 May;55(1):97–103

Production of a lymphocyte proliferation potentiating factor by purified polymorphonuclear leucocytes from mice and rabbits. Goto F, et al. **Immunology** 1984 Dec;53(4):683–92

Fc receptors on mouse neutrophils and eosinophils: antigenic characteristics, isotype specificity and relative cell membrane density measured by flow cytometry. López AF, et al. **Immunology** 1985 May;55(1):125–33

Antibody-dependent cellular cytotoxicity and chemiluminescence as a tool for studying the mechanism of anti-glomerular basement membrane nephritis. The role of the cytotoxic potential of polymorphonuclear granulocytes and monocytes. Mossmann H, et al. **Immunology** 1984 Nov;53(3):545–52

Antibody-dependent cell-mediated cytotoxicity against IBR-infected bovine kidney cells by ruminant neutrophils: the role of lysosomal cationic protein. Thorne KJ, et al. **Immunology** 1984 Oct;53(2):275–82

NBT dye reduction test & myeloperoxidase activity of neutrophils in pregnant & non-pregnant women. Mohan PS, et al. **Indian J Med Res** 1985 Mar;81:301–5

Role of superoxide dismutase and catalase as determinants of pathogenicity of Nocardia asteroides: importance in resistance to microbicidal activities of human polymorphonuclear neutrophils. Beaman BL, et al. **Infect Immun** 1985 Jan;47(1):135–41

Enhanced oxidative burst in immunologically activated but not elicited polymorphonuclear leukocytes correlates with fungicidal activity. Brummer E, et al. **Infect Immun** 1985 Aug;49(2):396–401

Systemic Coccidioides immitis infection in nude and beige mice. Clemons KV, et al. **Infect Immun** 1985 Mar; 47(3):814–21

Role of resident macrophages, peripheral neutrophils, and translymphatic absorption in bacterial clearance from the peritoneal cavity. Dunn DL, et al. **Infect Immun** 1985 Aug; 49(2):257–64

Role of lipopolysaccharide in opsonization and phagocytosis of Pseudomonas aeruginosa. Engels W, et al. **Infect Immun** 1985 Jul;49(1):182–9

Complement (C5)-derived chemotactic activity accounts for accumulation of polymorphonuclear leukocytes in cerebrospinal fluid of rabbits with pneumococcal meningitis. Ernst JD, et al. **Infect Immun** 1984 Oct; 46(1):81–6

Phorbol myristate acetate-induced modulation of antibody-dependent cellular cytotoxicity by human polymorphonuclear leukocytes. Ichinose Y, et al. **Infect Immun** 1984 Dec;46(3):682–5

Antibody-independent and -dependent opsonization of group B Streptococcus requires the first component of complement C1. Levy NJ, et al. **Infect Immun** 1985 Jul; 49(1):19–24

Inhibition of human neutrophil chemiluminescence by plasmid-mediated outer membrane proteins of Yersinia enterocolitica. Lian CJ, et al. **Infect Immun** 1985 Jul; 49(1):145–51

Complement activation and stimulation of chemotaxis by Chlamydia trachomatis. Megran DW, et al. **Infect Immun** 1985 Sep;49(3):670–3

Effects of anthrax toxin components on human neutrophils. O'Brien J, et al. **Infect Immun** 1985 Jan;47(1):306–10

Brucellacidal activity of human and bovine polymorphonuclear leukocyte granule extracts against smooth and rough strains of Brucella abortus. Riley LK, et al. **Infect Immun** 1984 Oct;46(1):231–6

Elicitation of enteroluminal neutrophils by enterotoxigenic and nonenterotoxigenic strains of Escherichia coli in swine. Rose R, et al. **Infect Immun** 1985 Jun;48(3):818–23

Opsonic requirements for phagocytosis of Legionella micdadei by polymorphonuclear leukocytes. Steffensen DO, et al. **Infect Immun** 1985 Sep;49(3):695–9

Anaerobic phagocytosis, killing, and degradation of Streptococcus pneumoniae by human peripheral blood leukocytes. Thore M, et al. **Infect Immun** 1985 Jan; 47(1):277–81

Effect of piliation on interactions of Haemophilus influenzae type b with human polymorphonuclear leukocytes. Tosi MF, et al. **Infect Immun** 1985 Mar;47(3):780–5

Susceptibility of Propionibacterium acnes to killing and degradation by human neutrophils and monocytes in vitro. Webster GF, et al. **Infect Immun** 1985 Jul;49(1):116–21

Bactericidal kinetics of newborn polymorphonuclear leukocytes against group B streptococci type III. López-Osuna M, et al. **Infection** 1984 Nov–Dec;12(6):367–8

Activated rat neutrophils. A sequential quantitative assay for aggregation and NBT reduction. Fennell KO, et al. **Inflammation** 1984 Sep;8(3):287–300

Inhibition of in vivo neutrophil accumulation by stress. Possible role of neutrophil adherence. Harmsen AG, et al. **Inflammation** 1985 Mar;9(1):9–20

Modulation of phagocytosis and intracellular bactericidal activity of polymorphonuclear and mononuclear cells by cationic proteins from human granulocytes: alternative pathway of phagocytic enhancement. Pruzanski W, et al. **Inflammation** 1984 Dec;8(4):445–57

The neutrophil. Baggiolini M, et al. **Int Arch Allergy Appl Immunol** 1985;76 Suppl 1:13–20

Assessment of neutrophil chemotaxis and random migration in children and adults. Comparison between filter and agarose techniques. Hindocha PJ, et al. **Int Arch Allergy Appl Immunol** 1985;76(2):116–9

Role of bacterial adherence and toxin production from Escherichia coli on leukotriene generation from human polymorphonuclear granulocytes. König W, et al. **Int Arch Allergy Appl Immunol** 1985;77(1–2):118–20

Formation of HCN by human phagocytosing neutrophils—1. Chlorination of Staphylococcus epidermidis as a source of HCN. Stelmaszyńska T. **Int J Biochem** 1985;17(3):373–9

A possible origin of chemiluminsecence in phagocytosing neutrophils. Myeloperoxidase-mediated chlorination of proteins and tryptophan. Zgliczyński JM, et al. **Int J Biochem** 1985;17(3):393–7

A monoclonal antibody to human transitional-cell carcinoma of the bladder cross-reacting with a differentiation antigen of neutrophilic lineage. Baricordi OR, et al. **Int J Cancer** 1985 Jun 15;35(6):781–6

Anti-tumor effect of inflammatory neutrophils: characteristics of in vivo generation and in vitro tumor cell lysis. Lichtenstein A, et al. **Int J Cancer** 1985 Jan 15; 35(1):121–7

The effect of inhibitors of macromolecular synthesis on neutrophil-mediated antibody-dependent cellular cytotoxicity: exacerbation by mitomycin C. Dale MM, et al. **Int J Immunopharmacol** 1984;6(4):279–85

Dependence on antibody for induction of chemiluminescence in polymorphonuclear leukocytes by herpes simplex virus. Bingham EL, et al. **Invest Ophthalmol Vis Sci** 1985 Sep; 26(9):1236–43

Activation of neutrophils and monocytes after allergen- and histamine-induced bronchoconstriction. Carroll MP, et al. **J Allergy Clin Immunol** 1985 Feb;75(2):290–6

Influenza A virus enhances the human polymorphonuclear leukocyte chemoluminescence response without effecting inhibition by trifluoperazine. Peterson MW, et al. **J Allergy Clin Immunol** 1984 Dec;74(6):787–93

Effects of subinhibitory concentrations of cefotaxime on adhesion and polymorphonuclear leukocyte function with gram-negative bacteria. Bassaris HP, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl B:91–6

Comparative analysis of the antimicrobial action of polymorphonuclear leucocytes in vitro, ex vivo and in vivo. Dalhoff A, et al. **J Antimicrob Chemother** 1985 Jan; 15 Suppl A:283–91

Enoxacin-induced alteration of susceptibility of pneumococci and Pseudomonas to phagocytosis by human polymorphonuclear leukocytes. Pruul H, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:19–31

Chemokinetic accumulation of human neutrophils on immune complex-coated substrata: analysis at a boundary. Wilkinson PC, et al. **J Cell Biol** 1984 Nov;99(5):1761–8

Neutrophil-mediated cellular cytotoxicity triggered by immobilized aggregated IgG: an in vitro model of cell injury during immune complex diseases. Dallegri F, et al. **J Clin Immunol** 1984 Nov;4(6):439–44

Suppression of in vitro lymphocyte and neutrophil responses by a low molecular weight suppressor active peptide from burn-patient sera. Ozkan AN, et al. **J Clin Immunol** 1985 May;5(3):172–9

Human neutrophils increase expression of C3bi as well as C3b receptors upon activation. Berger M, et al. **J Clin Invest** 1984 Nov;74(5):1566–71

Role of granulocyte oxygen products in damage of Schistosoma mansoni eggs in vitro. Kazura JW, et al. **J Clin Invest** 1985 Apr;75(4):1297–307

Neutrophil-endothelial cell interactions. Modulation of neutrophil adhesiveness induced by complement fragments C5a and C5a des arg and formyl-methionyl-leucyl-phenylalanine in vitro. Tonnesen MG, et al. **J Clin Invest** 1984 Nov;74(5):1581–92

Oxygen-independent intracellular and oxygen-dependent extracellular killing of Escherichia coli S15 by human polymorphonuclear leukocytes. Weiss J, et al. **J Clin Invest** 1985 Jul;76(1):206–12

Antineutrophil autoantibodies in Graves' disease. Implications of thyrotropin binding to neutrophils. Weitzman SA, et al. **J Clin Invest** 1985 Jan;75(1):119–23

Naturally-occurring cellular cytotoxicity mediated by neutrophil polymorphonuclears: requirements for the target cell lysis. Dallegri F, et al. **J Clin Lab Immunol** 1984 Sep;15(1):35–7

Analysis of protective mechanisms against infection by Serratia marcescens. Okada K. **J Clin Lab Immunol** 1985 Apr;16(4):183–90

Effect of fibronectin on adherence of neutrophils from newborn infants. Harris MC, et al. **J Clin Microbiol** 1985 Feb;21(2):243–6

Phagocytosis and killing of Gardnerella vaginalis by human neutrophils. Easmon CS, et al. **J Clin Pathol** 1985 Jul;38(7):747–9

Killing of Escherichia coli by human polymorphonuclear leucocytes in the presence of Bacteroides fragilis. Vel WA, et al. **J Clin Pathol** 1985 Jan;38(1):86–91

The role of polymorphonuclear cells in psoriasis. Tosca A, et al. **J Dermatol (Tokyo)** 1984 Aug;11(4):354–60

Electron microscopic evidence of antibody entry into neutrophils after phagocytosis of highly virulent group B streptococci. Cleat PH, et al. **J Gen Microbiol** 1984 Nov;130 (Pt 11):3059–61

Mechanism of priming of human neutrophils by a soluble lymphoblastoid cell factor. Cross AS, et al. **J Immunol** 1985 Sep;135(3):2074–83

Functional integrity of cytokineplasts: specific chemotactic and capping responses. Dyett DE, et al. **J Immunol** 1985 Sep;135(3):2090–4

Monoclonal antibody to murine neutrophils: identification of the Gm-2.2 specificity. Hibbs ML, et al. **J Immunol** 1984 Nov;133(5):2619–23

Characterization of a C5a receptor on human polymorphonuclear leukocytes (PMN). Huey R, et al. **J Immunol** 1985 Sep;135(3):2063–8

Effect of antibodies directed against complement receptors on phagocytosis by polymorphonuclear leukocytes: use of iodination as a convenient measure of phagocytosis. Klebanoff SJ, et al. **J Immunol** 1985 Feb;134(2):1153–9

Defective natural killer cytotoxicity and polymorphonuclear leukocyte antibody-dependent cellular cytotoxicity in patients with LFA-1/OKM-1 deficiency. Kohl S, et al. **J Immunol** 1984 Dec;133(6):2972–8

Biochemical analysis and subcellular localization of a neutrophil-specific antigen, PMN-7, involved in the respiratory burst. Melnick DA, et al. **J Immunol** 1985 May;134(5):3346–55

Activation of human polymorphonuclear neutrophil functions by interferon-gamma and tumor necrosis factors. Shalaby MR, et al. **J Immunol** 1985 Sep;135(3):2069–73

Glycolipid antigens of human polymorphonuclear neutrophils and the inducible HL-60 myeloid leukemia line. Symington FW, et al. **J Immunol** 1985 Apr;134(4):2498–506

Intracellular killing of Candida albicans by human polymorphonuclear leucocytes: comparison of three methods of assessment. Husseini RH, et al. **J Immunol Methods** 1985 Aug 2;81(2):215–21

Use of a self-generating percoll gradient and single cell cytotoxicity assay to identify tumor-lytic properties of inflammatory neutrophils. Lichtenstein A, et al. **J Immunol Methods** 1985 Jul 16;81(1):95–106

Inhibition of Nocardia asteroides by neutrophils. Filice GA. **J Infect Dis** 1985 Jan;151(1):47–56

The effect of Chlamydia trachomatis on luminol-dependent chemiluminescence of human polymorphonuclear leukocytes: requirements for opsonization. Hammerschlag MR, et al. **J Infect Dis** 1985 Jun;151(6):1045–51

Mechanisms of resistance of Aspergillus fumigatus Conidia to killing by neutrophils in vitro. Levitz SM, et al. **J Infect Dis** 1985 Jul;152(1):33–42

Phagocytosis and killing of Brucella by human polymorphonuclear leukocytes. Young EJ, et al. **J Infect Dis** 1985 Apr;151(4):682–90

Immunological activation of polymorphonuclear neutrophils for fungal killing: studies with murine cells and blastomyces dermatitidis in vitro. Brummer E, et al. **J Leukocyte Biol** 1984 Oct;36(4):505–20

Opsonin-independent phagocytosis of surface-adherent bacteria by human alveolar macrophages. Lee DA, et al. **J Leukocyte Biol** 1984 Dec;36(6):689–701

In vitro generation of procoagulant activity by Corynebacterium parvum-stimulated mononuclear leukocytes. Miragliotta G, et al. **J Leukocyte Biol** 1985 Jan;37(1):101–8

Sequential study of bacterial clearance in experimental cystitis. Gillon G, et al. **J Med Microbiol** 1984 Dec;18(3):319–26

Chemiluminescence of human leukocytes stimulated by clinical isolates of Klebsiella. Simoons-Smit AM, et al. **J Med Microbiol** 1985 Jun;19(3):333–8

Gingivitis and oral ulceration in patients with neutrophil dysfunction. Charon JA, et al. **J Oral Pathol** 1985 Feb;14(2):150–5

Neutrophil function and oral disease. Van Dyke TE, et al. **J Oral Pathol** 1985 Feb;14(2):95–120 (240 ref.)

Intralipid infusion in neonates: effects on polymorphonuclear leukocyte function. Wheeler JG, et al. **J Pediatr Gastroenterol Nutr** 1985 Jun;4(3):453–6

Surgically induced immunologic alterations in the child. Mollitt DL, et al. **J Pediatr Surg** 1984 Dec;19(6):818–22

Gingival sulcular leukocytes in periodontitis and in experimental gingivitis in humans. Thurre C, et al. **J Periodont Res** 1984 Sep;19(5):457–68

The cellular host response in juvenile periodontitis. A review. Sandholm L. **J Periodontol** 1985 Jun;56(6):359–66 (129 ref.)

Drug-dependent cellular cytotoxicity mediated by polymorphonuclear leukocytes. Ikenami M, et al. **Jpn J Cancer Res** 1985 Jul;76(7):637–43

Cytotoxic effects of polymorphonuclear leukocytes and macrophages in patients undergoing lymph depletion via thoracic duct drainage. Cameron DJ. **Jpn J Exp Med** 1984 Oct;54(5):195–200

Differential generation of chemiluminescence-–detectable oxygen radicals by normal polymorphonuclear leukocytes challenged with sera from systemic lupus erythematosus and rheumatoid arthritis patients. D'Onofrio C, et al. **Klin Wochenschr** 1984 Aug 1;62(15):710–6

Autoantibodies against neutrophils and monocytes: tool for diagnosis and marker of disease activity in Wegener's granulomatosis. van der Woude FJ, et al. **Lancet** 1985 Feb 23;1(8426):425–9

Deficiency of a major myeloid antigen in neutrophils of patients with refractory anemia and excess myeloblasts. Friedman RM, et al. **Leuk Res** 1985;9(4):435–40

The mode of action of antibody in neutrophil bactericidal activity against highly pathogenic group-B streptococci. Cleat PH, et al. **Med Microbiol Immunol (Berl)** 1984;173(2):65–74

A new calorimetric technique to analyze bacteria-phagocyte interactions. Eftimiadi C, et al. **Microbiologica** 1985 Jul;8(3):297–301

Calorimetric analysis of phagocytosis of staphylococcal protein-A/IgG complexes. Eftimiadi C, et al. **Microbiologica** 1985 Jul;8(3):255–61

Binding of N-formylated chemotactic peptides in crystals of the Mcg light chain dimer: similarities with neutrophil receptors. Edmundson AB, et al. **Mol Immunol** 1985 Apr;22(4):463–75

Studies of the effects of spherulin from Coccidioides immitis on human polymorphonuclear leukocytes. Galgiani JN. **Mycopathologia** 1985 May;90(2):107–11

Monoclonal antibodies demonstrate protection of polymorphonuclear leukocytes against complement attack. Campbell AK, et al. **Nature** 1985 Sep 12–18;317(6033):164–6

Role of neutrophils in production of early enteritis after oral infection with feline infectious peritonitis virus in passively sensitized kittens. Hayashi T, et al. **Nippon Juigaku Zasshi** 1984 Jun;46(3):273–9

Antibody-dependent cellular cytotoxicity of Trypanosoma theileri mediated by purified bovine isotypes and subisotypes. Townsend J, et al. **Parasite Immunol** 1985 Mar;7(2):179–89

Phagocytosis of virulent and avirulent leptospires by guinea-pig and human polymorphonuclear leukocytes in vitro. McGrath H, et al. **Pathology** 1984 Jul;16(3):243–9

Abnormal polymorphonuclear leukocyte motility in dermatologic diseases. Harvath L. **Pediatr Dermatol** 1983 Jul;1(1):35–42 (57 ref.)

Increased susceptibility to infection in hypothermic children: possible role of acquired neutrophil dysfunction. Clardy CW, et al. **Pediatr Infect Dis** 1985 Jul–Aug;4(4):379–82

Clinical features and abnormal neutrophil function in disseminated staphylococcal disease. O'Driscoll M, et al. **Pediatr Infect Dis** 1985 Mar–Apr;4(2):137–41

Selective enhancement of the expression of granulocyte functional antigens 1 and 2 on human neutrophils. Vadas MA, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2503–7

Anthrax toxin components stimulate chemotaxis of human polymorphonuclear neutrophils. Wade BH, et al. **Proc Soc Exp Biol Med** 1985 Jun;179(2):159–62

Regulatory mechanisms of a chemoattractant receptor on human polymorphonuclear leukocytes. Snyderman R. **Rev Infect Dis** 1985 May–Jun;7(3):390–4

Neutrophil killing of bacteria by oxygen-independent mechanisms: a historical summary. Spitznagel JK, et al. **Rev Infect Dis** 1985 May–Jun;7(3):398–403

Role of the neutrophil in oral disease: receptor deficiency in leukocytes from patients with juvenile periodontitis. Van Dyke TE. **Rev Infect Dis** 1985 May–Jun;7(3):419–25 (60 ref.)

Mononuclear and polymorphonuclear leucocyte dysfunction in male homosexuals with the acquired immunodeficiency syndrome (AIDS). Ras GJ, et al. **S Afr Med J** 1984 Nov 24;66(21):806–9

Relationship of neutrophil cytoplasmic protein (L1) to acute and chronic lung disease. Stockley RA, et al. **Scand J Clin Lab Invest** 1984 Nov;44(7):629–34

The effect of monoclonal antibodies against Escherichia coli type 1 pili and capsular polysaccharides on the interaction between bacteria and human granulocytes. Söderström T, et al. **Scand J Immunol** 1984 Oct;20(4):299–305

The effect of a therapeutic doxycycline concentration on polymorphonuclear leukocyte migration in vitro. Bäck O, et al. **Scand J Infect Dis** 1984;16(4):369–72

An antibody to a subpopulation of neutrophils demonstrates antigenic heterogeneity which correlates with response heterogeneity. Seligmann B, et al. **Trans Assoc Am Physicians** 1984;97:319–24

Antibodies to granulocytes detected by an indirect immunofluorescence method not requiring chemical modification of cells. Schmidt-Melbye A, et al. **Transfusion** 1985 Mar–Apr;25(2):165–9

Effect of diethylcarbamazine on serum-dependent cell-mediated immune reactions to microfilariae in vitro. Chandrashekar R, et al. **Tropenmed Parasitol** 1984 Sep;35(3):177–82

Inability to detect a K cell in bovine peripheral blood leukocytes. Campos M, et al. **Vet Immunol Immunopathol** 1985 Apr;8(4):351–62

Cell-mediated cytotoxicity of bovine mononuclear cells to IBRV-infected cells: dependence on Sephadex G-10 adherent cells. Campos M, et al. **Vet Immunol Immunopathol** 1985 Apr;8(4):363–75

Humoral and cellular factors affecting the neutrophil response of the locally immunised mammary gland to staphylococcal infection. Colditz IG, et al. **Vet Immunol Immunopathol** 1985 Jan;8(1–2):107–18

Comparison of bovine IgG1, IgG2 and IgM for ability to promote killing of Mycoplasma bovis by bovine alveolar macrophages and neutrophils. Howard CJ. **Vet Immunol Immunopathol** 1984 Jul;6(3–4):321–6

Influence of different immunoglobulin G preparations on phagocytosis of Pseudomonas aeruginosa by polymorphonuclear granulocytes. Trautmann M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Feb;259(1):104–17

[Changes in phagocytic activity of neutrophilic granulocytes during hemodialysis] Jarošíková T, et al. **Vnitr Lek** 1985 Feb;31(2):166–70 (Eng. Abstr.) **(Cze)**

[Migration of polynuclear neutrophils in vivo. Standardization of the technic] Stalder JF, et al. **Pathol Biol (Paris)** 1985 Jan;33(1):35–8 (Eng. Abstr.) **(Fre)**

[Current theories of phagocytosis and methodological problems in the study of phagocytosis defects in diabetics] Horn W. **Immun Infekt** 1984 Feb;12(1):13–9 (24 ref.) (Eng. Abstr.) **(Ger)**

[Phagocytosis of neutrophilic granulocytes of intensive care patients: effect of immunoglobulin preparations] Stübner G, et al. **Immun Infekt** 1984 Feb;12(1):69–72 (Eng. Abstr.) **(Ger)**

[Antibacterial activity of clindamycin and lincomycin in broth, serum, and in combination with polymorphonuclear leukocytes against Staphylococcus aureus and Staphylococcus epidermidis] Bassler M, et al. **Infection** 1984 Jul–Aug;12(4):280–5 (Eng. Abstr.) **(Ger)**

[The 'unspecific' immune state in skin diseases with special reference to microphage functions] Djawari D, et al. **Z Hautkr** 1985 Apr 15;60(8):628, 633–4, 637–8 passim (Eng. Abstr.) **(Ger)**

[Production of the leukocyte inhibitory factor (LIF) by peripheral blood lymphocytes in vitro and LIF-like plasma activity in paraproteinemic patients] Puppo F, et al. **Haematologica (Pavia)** 1984 Jul–Aug;69(4):394–402 (Eng. Abstr.) **(Ita)**

[Studies on the bactericidal activities of neutrophils and macrophages treated with cyclophosphamide] Kameoka Y, et al. **Kansenshogaku Zasshi** 1984 Apr;58(4):285–92 (Eng. Abstr.) **(Jpn)**

[Inhibition of polymorphonuclear leukocyte chemotaxis by sera and synovial fluids in rheumatoid arthritis] Ohseto Y, et al. **Ryumachi** 1984 Jun;24(3):149–58 (Eng. Abstr.) **(Jpn)**

[Leukocytes and peripheral blood lymphocytes in children with recurrent respiratory tract infections] Jankowski A, et al. **Pol Tyg Lek** 1985 May 27;40(21):597–9 (Eng. Abstr.) **(Pol)**

[Phagocytic and bactericidal activities of neutrophils in severe seborrheic dermatoses] Dabrowska-Widera J. **Przegl Dermatol** 1984 Mar–Apr;71(2):109–13 (Eng. Abstr.) **(Pol)**

[Effect of long-term administration of panodin in the treatment of chronic bronchitis on the reactivity of peripheral blood granulocytes] Matusiewicz R, et al. **Wiad Lek** 1984 Oct 15;37(20):1569–72 (Eng. Abstr.) **(Pol)**

[Modulation of phagocytic activity with prodigiozan and obsidan] Medvedev IuA, et al. **Antibiotiki** 1984 Nov;29(11):848–51 (Eng. Abstr.) **(Rus)**

[Interaction between the polymorphonuclear leukocyte system and bacterial agents] Galankin VN. **Arkh Patol**

NEWARK PUBLIC LIBRARY

1984;46(11):80-6 (55 ref.) (Eng. Abstr.) **(Rus)**

[Fc mu R on neutrophils] Belotskiĭ SM, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):174-6 (Eng. Abstr.) **(Rus)**

[Functional and histochemical parameters of the neutrophil state in patients with malignant tumors] Berezhnaia NM, et al. **Eksp Onkol** 1984;6(4):49-52 (Eng. Abstr.) **(Rus)**

[Neutropenia and neutrophil antibodies in children] Poreshina LP, et al. **Gematol Transfuziol** 1985 Mar;30(3):28-32 (Eng. Abstr.) **(Rus)**

[Formation of a protective cellular reaction of the respiratory tract after combined exposure to silicon dioxide and ozone] Kalina OV, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):29-33 (Eng. Abstr.) **(Rus)**

[Cytochemical indicators of phagocytes in children with destructive appendicitis] Gordeeva IP, et al. **Khirurgiia (Mosk)** 1984 Dec;(12):41-5 (Eng. Abstr.) **(Rus)**

[Phagocytosis in patients with a surgical profile uncomplicated and complicated by suppurative infection] Veselov AIa. **Khirurgiia (Mosk)** 1985 May;(5):121-3 **(Rus)**

[Effect of the method of performing the rosette formation reaction on the relation between rosette-forming lymphocytes and neutrophils] Avdeeva VS, et al. **Lab Delo** 1984;(10):611-4 (Eng. Abstr.) **(Rus)**

[Direct visual method for determining the killer bactericidal activity of peripheral blood neutrophils in healthy donors and patients] Kudriavitskiĭ AI. **Lab Delo** 1985;(1):45-7 (Eng. Abstr.) **(Rus)**

[Comparative study of the phagocytic activity of neutrophil granulocytes in patients with pulmonary tuberculosis using staphylococci and latex particles] Shatrov VA. **Lab Delo** 1984;(10):614-6 (Eng. Abstr.) **(Rus)**

[Diagnostic potential of the NBT test in pediatric practice] Buiko VP, et al. **Pediatriia** 1984 Aug;(8):62-5 (43 ref.) **(Rus)**

[Characteristics of chemotactic properties of phagocytes in children with thymomegaly] Kuz'menko LG, et al. **Pediatriia** 1984 Aug;(8):40-1 **(Rus)**

[Indicators of phagocytic activity of neutrophils in patients with diabetes mellitus before and after treatment using the 'Biostator'] Belokrinitskiĭ DV, et al. **Probl Endokrinol (Mosk)** 1984 Nov-Dec;30(6):18-22 (Eng. Abstr.) **(Rus)**

[Indices of the completion of phagocytosis by neutrophils in the peripheral blood of periodontitis and periodontosis patients] Bykova IA, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):18-20 (Eng. Abstr.) **(Rus)**

[Changes in lymphocyte and neutrophil rosette formation in patients with microbial eczema and tinea pedis] Fedotov VP, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):16-9 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course of erysipelas and various indicators of nonspecific resistance in middle-aged patients] Kriukova ZV, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):48-50 (Eng. Abstr.) **(Rus)**

[Characteristics of disorders of phagocytic reactions of neutrophils in patients with pyoderma. Mechanisms of their development and the structure of causative factors] Lesnitskiĭ AI. **Vestn Dermatol Venerol** 1984 Dec;(12):9-13 (Eng. Abstr.) **(Rus)**

[Interrelation of phagocytic reactions of neutrophils with the reactions of the T-component of immunity in patients with staphyloderma] Lesnitskiĭ AI. **Vestn Dermatol Venerol** 1985 Mar;(3):7-9 (Eng. Abstr.) **(Rus)**

[Opsonin deficiency as the cause of disorders of phagocytic reactions of neutrophils in staphyloderma patients] Lesnitskiĭ AI. **Vestn Dermatol Venerol** 1984 Aug;(8):10-3 (Eng. Abstr.) **(Rus)**

[Determination of the number of spontaneous rosette-forming neutrophils as an additional differential-diagnostic test in palmo-plantar pustular psoriasis] Petrova IV, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):4-6 (Eng. Abstr.) **(Rus)**

[Spontaneous rosette formation by neutrophils in patients with furunculosis] Savitskaia LN. **Vestn Dermatol Venerol** 1985 May;(5):27-31 (Eng. Abstr.) **(Rus)**

[Evaluation of sensitization to staphylococcus by determining indices of neutrophil damage by new allergenic preparations] Fradkin VA, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):70-3 (Eng. Abstr.) **(Rus)**

[Spontaneous rosette formation by neutrophils in oropharyngeal smears from children with chronic tonsillitis] Skriabin AS, et al. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):35-6 (Eng. Abstr.) **(Rus)**

[Components of the complement system and functional activity of neutrophils in the evaluation of the effectiveness of step-by-step sanatorium-health resort treatment of rheumatic and non-rheumatic tonsillogenic cardiac lesions in children] Vasil'eva VV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr;(2):40-3 (Eng. Abstr.) **(Rus)**

[Phagocytic function of leukocytes in patients with chronic diffuse bronchitis] Pluzhnik EG, et al. **Vrach Delo** 1985 Jan;(1):37-9 (Eng. Abstr.) **(Rus)**

[Immunoneutropenia] Mijović A, et al. **Bilt Hematol Transfuz** 1983;11(2-3):87-95 (Eng. Abstr.) **(Scr)**

METABOLISM

Interaction of human IgG preparations with polymorphonuclear leukocytes in vitro. Koch C, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Jun;92(3):161-5

Mast cell and neutrophil interactions: a role for superoxide anion and histamine. Fantozzi R, et al. **Agents Actions** 1985 Apr;16(3-4):260-4

Oxygen consumption of middle ear and peripheral blood neutrophils in acute suppurative otitis media. Bernstein JM, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):169-72

Vesicular uptake of eosinophil peroxidase by guinea pig basophils and by cloned mouse mast cells and granule-containing lymphoid cells. Dvorak AM, et al. **Am J Pathol** 1985 Mar;118(3):425-38

Activated rat neutrophils. Correlation of arachidonate products with enzyme secretion but not with O(2)-generation. Ward PA, et al. **Am J Pathol** 1985 Jul;120(1):112-20

A quantitative fluorimetric assay for the determination of oxidant production by polymorphonuclear leukocytes: its use in the simultaneous fluorimetric assay of cellular activation processes. Hyslop PA, et al. **Anal Biochem** 1984 Aug 15;141(1):280-6

Benzodiazepines and polymorphonuclear leukocyte oxidative activity [letter] Gelb A. **Anesthesiology** 1984 Nov;61(5):632-3

Enhancement by clofazimine and inhibition by dapsone of production of prostaglandin E2 by human polymorphonuclear leukocytes in vitro. Anderson R. **Antimicrob Agents Chemother** 1985 Feb;27(2):257-62

Modulation of platelet-activating factor (PAF) synthesis and release from human polymorphonuclear leukocytes (PMN): role of extracellular albumin. Ludwig JC, et al. **Arch Biochem Biophys** 1985 Sep;241(2):337-47

Response of superoxide anion production by guinea pig eosinophils to various soluble stimuli: comparison to neutrophils. Yamashita T, et al. **Arch Biochem Biophys** 1985 Sep;241(2):447-52

Neutrophil-generated active oxygens in linear IgA bullous dermatosis. Niwa Y, et al. **Arch Dermatol** 1985 Jan;121(1):73-8

Auto-oxidative damage in cement dermatitis. Miyachi Y, et al. **Arch Dermatol Res** 1985;277(4):288-92

Chemotaxis and surface glycoproteins of neutrophil granulocytes from patients with juvenile periodontitis. Larjava H, et al. **Arch Oral Biol** 1984;29(11):935-9

Regulation of neutrophil superoxide production in sepsis. Solomkin JS, et al. **Arch Surg** 1985 Jan;120(1):93-8

Co-oxidation of luminol by hypochlorite and hydrogen peroxide implications for neutrophil chemiluminescence. Brestel EP. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):482-8

Stimulation of hexose transport by human polymorphonuclear leukocytes: a possible role for protein kinase C. McCall C, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):450-6

Diverse involvements of Ni protein in superoxide anion production in polymorphonuclear leukocytes depending on the type of membrane stimulants. Okamura N, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):939-44

Synergism between A23187 and 1-oleoyl-2-acetyl-glycerol in superoxide production by human neutrophils. Penfield A, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):332-6

Evidence for production of 1-acyl-2-acetyl-sn-glyceryl-3-phosphorylcholine concomitantly with platelet-activating factor. Satouchi K, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1409-17

Carbon monoxide inhibits omega-oxidation of leukotriene B4 by human polymorphonuclear leukocytes: evidence that catabolism of leukotriene B4 is mediated by a cytochrome P-450 enzyme. Shak S, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):475-81

A cell-free preparation of human neutrophils catalyzing NADPH-dependent conversion of leukotriene B4. Sumimoto H, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):615-21

Platelet-activating factor promotes arachidonate incorporation into phosphatidylinositol and phosphatidylcholine in neutrophils. Tou J. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):1045-51

Potential role for a guanine nucleotide regulatory protein in chemoattractant receptor mediated polyphosphoinositide metabolism, Ca++ mobilization and cellular responses by leukocytes. Verghese MW, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):450-7

Phorbol 12-myristate, 13-acetate potentiates the action of the calcium ionophore in stimulating arachidonic acid release and production of phosphatidic acid in rabbit neutrophils. Volpi M, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):594-600

Proton release by polymorphonuclear leukocytes during phagocytosis or activation by digitonin or fluoride. Takanaka K, et al. **Biochem Int** 1985 Jul;11(1):127-36

Cyclic AMP inhibition of fMet-Leu-Phe-dependent metabolic responses in human neutrophils is not due to its effects on cytosolic Ca2+. De Togni P, et al. **Biochem J** 1984 Dec 1;224(2):629-35

Inositol phosphate formation in fMet-Leu-Phe-stimulated human neutrophils does not require an increase in the cytosolic free Ca2+ concentration. Di Virgilio F, et al. **Biochem J** 1985 Jul 15;229(2):361-7

Chemiluminescence in neutrophils and Lettré cells induced by myxoviruses. Mehta S, et al. **Biochem J** 1985 Apr 1;227(1):99-104

Inhibition by adenosine of reactive oxygen metabolite production by human polymorphonuclear leucocytes. Roberts PA, et al. **Biochem J** 1985 Apr 15;227(2):669-74

Redistribution of membrane-bound and cytosolic actin in rabbit polymorphonuclear leucocytes during phagocytosis. Stewart DI, et al. **Biochem J** 1985 Feb 1;225(3):807-14

Evidence for generation of leukotriene B4 in human polymorphonuclear leukocytes treated with linoleylanilide. Garcia Gil M, et al. **Biochem Pharmacol** 1984 Oct 15;33(20):3303-6

The effects of some non-steroidal anti-inflammatory agents on membrane-associated calcium in rabbit peritoneal neutrophils. Northover AM. **Biochem Pharmacol** 1985 Sep 1;34(17):3123-9

Inhibition of leukotriene B4 formation in human neutrophils after oral nafazatrom (Bay g 6575). Strasser T, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1891-4

Role of enhanced inositol phospholipid metabolism in neutrophil activation. Takenawa T, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1931-5

Interference of some flavonoids and non-steroidal anti-inflammatory drugs with oxidative metabolism of arachidonic acid by human platelets and neutrophils. Corvazier E, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):315-21

Mechanism of desensitization of neutrophil response to N-formylmethionylleucylphenylalanine by slow rate of receptor occupancy. Studies on changes in Ca2+ concentration and phosphatidylinositol turnover. De Togni P, et al. **Biochim Biophys Acta** 1985 Jan 28;838(1):23-31

Intensity and kinetics of the respiratory burst of human neutrophils in relation to receptor occupancy and rate of occupation by formylmethionylleucylphenylalanine. De Togni P, et al. **Biochim Biophys Acta** 1985 Jan 28;838(1):12-22

Protein phosphorylation in intact pig leukocytes. Irita K, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):44-52

Inhibition of the formation of 5-hydroxy-6,8,11,14-eicosatetraenoic acid from arachidonic acid in polymorphonuclear leukocytes by various coumarins. Kimura Y, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):224-9

Activation-associated alterations in neutrophil pyridine nucleotide levels: a potential regulatory role for calcium and calmodulin. Sparkman TB, et al. **Biochim Biophys Acta** 1985 Jul 30;846(1):8-13

Leukotriene formation by bovine polymorphonuclear leukocytes. Walstra P, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):499-503

Effect of alcohols on arachidonic acid metabolism in murine mastocytoma cells and human polymorphonuclear leukocytes. Westcott JY, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):262-71

Phosphorylation of cytosolic proteins by resting and activated human neutrophils. Andrews PC, et al. **Blood** 1984 Oct;64(4):883-90

Neutrophils mediate lipid peroxidation in human red cells. Claster S, et al. **Blood** 1984 Nov;64(5):1079-84

Enhancement of chemotactic factor-stimulated neutrophil oxidative metabolism by leukotriene B4. Gay JC, et al. **Blood** 1984 Oct;64(4):780-5

Decrease in generation of reactive oxygen species by neutrophils from patients with infectious mononucleosis: role of suppressor T lymphocytes. Niwa Y, et al. **Blood** 1984 Nov;64(5):994-9

Regulation of receptors and digestive activity toward synthesized formyl-chemotactic peptide in human polymorphonuclear leukocytes. Nunoi H, et al. **Blood** 1985 Jul;66(1):106-14

Mechanism of neutrophil chemiluminescence induced by wheat germ agglutinin: partial characterization of the antigens recognized by wheat germ agglutinin. Ozaki Y, et al. **Blood** 1984 Nov;64(5):1094-102

Independent stimulation of membrane potential changes and the oxidative metabolic burst in polymorphonuclear leukocytes. Seeds MC, et al. **Blood** 1985 Jan;65(1):233-40

Neutrophil cytoplasts: relationships of superoxide release and calcium pools. Torres M, et al. **Blood** 1984 Oct;64(4):891-5

The 'metabolic burst' in polymorphonuclear leukocytes from patients with quiescent psoriasis. Geerdink JP, et al. **Br J Dermatol** 1985 Apr;112(4):387-92

Dapsone and oxygen intermediates [letter] Miyachi Y. **Br J Dermatol** 1985 Feb;112(2):246

Cellular uptake of clindamycin and lincomycin. Easmon CS, et al. **Br J Exp Pathol** 1984 Dec;65(6):725-30

Heat production rate in polymorphonuclear granulocytes from patients with acute myelogenous leukaemia and healthy individuals. Fäldt R, et al. **Br J Haematol** 1984 Dec;58(4):671-8

Reactive oxygen dependent activation of polycyclic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes. Trush MA, et al. **Carcinog Compr Surv** 1985;8:293-303

Dehydroepiandrosterone and 16 alpha-Br-epiandrosterone inhibit 12-O-tetradecanoylphorbol-13-acetate stimulation of superoxide radical production by human polymorphonuclear leukocytes. Whitcomb JM, et al.

Carcinogenesis 1985 Mar;6(3):333–5

A comparison of the effects of soluble stimuli on free cytoplasmic and membrane bound calcium in human neutrophils. Schell–Frederick E. **Cell Calcium** 1984 Jun; 5(3):237–51

Characterization of corticosteroid receptors in natural killer cells: comparison with circulating lymphoid and myeloid cells. Katz P, et al. **Cell Immunol** 1985 Sep;94(2):347–52

Peroxidase–mediated irreversible binding of arylamine carcinogens to DNA in intact polymorphonuclear leukocytes activated by a tumor promoter. Tsuruta Y, et al. **Chem Biol Interact** 1985 Feb–Apr;53(1–2):25–35

Inhibition by reactive aldehydes of superoxide anion radical production in stimulated human neutrophils. Witz G, et al. **Chem Biol Interact** 1985 Feb–Apr;53(1–2):13–23

Interactions of microcapsules with human polymorphonuclear leucocytes. Watanabe Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2788–94

Quantitative analysis of polymorphonuclear leukocyte superoxide anion generation in critically ill children. Zimmerman JJ, et al. **Crit Care Med** 1985 Mar;13(3):143–50

Chemiluminescent response of neutrophils from patients with inflammatory bowel disease. Faden H, et al. **Dig Dis Sci** 1985 Feb;30(2):139–42

Opioid peptides rapidly stimulate superoxide production by human polymorphonuclear leukocytes and macrophages. Sharp BM, et al. **Endocrinology** 1985 Aug;117(2):793–5

Effect of maleimide derivatives on superoxide–generating system of guinea–pig neutrophils stimulated by different soluble stimuli. Yamashita T, et al. **Eur J Biochem** 1984 Nov 15;145(1):71–6

Superoxide anion generation by polymorphonuclear leukocytes enhanced in a patient with colony–stimulating activity–producing lung cancer. Ichinose Y, et al. **Eur J Cancer Clin Oncol** 1985 Feb;21(2):181–4

Effect of histamine and cimetidine on cholesterol synthesis in human mononuclear leukocytes [letter] Krone W, et al. **Eur J Clin Pharmacol** 1984;26(6):773

Effect of dexamethasone on polypeptides synthesised in polymorphonuclear leucocytes. Blowers LE, et al. **FEBS Lett** 1985 Feb 25;181(2):362–6

Inositol 1,4,5–trisphosphate may be a signal for f–Met–Leu–Phe–induced intracellular Ca mobilisation in human leucocytes (HL–60 cells). Burgess GM, et al. **FEBS Lett** 1984 Oct 15;176(1):193–6

Breakdown and synthesis of polyphosphoinositides in fMetLeuPhe–stimulated neutrophils. Cockcroft S, et al. **FEBS Lett** 1985 Feb 25;181(2):259–63

Superoxide generation by either 1–oleoyl–2–acetylglycerol or A23187 in human neutrophils is enhanced by indomethacin. Dale MM, et al. **FEBS Lett** 1985 Jun 3; 185(1):213–7

Synergism between phorbol ester and A23187 in superoxide production by neutrophils. Dale MM, et al. **FEBS Lett** 1984 Sep 17;175(1):170–2

Activated polymorphonuclear leucocytes consume vitamin C. Hemilä H, et al. **FEBS Lett** 1984 Dec 3;178(1):25–30

Prostaglandins E1 and E2 enhance the stimulation of superoxide release by 1–oleoyl–2–acetylglycerol from human neutrophils. Penfield A, et al. **FEBS Lett** 1985 Feb 25;181(2):335–8

Relationships between phosphoinositide metabolism, Ca2+ changes and respiratory burst in formyl–methionyl–leucyl–phenylalanine–stimulated human neutrophils. The breakdown of phosphoinositides is not involved in the rise of cytosolic free Ca2+. Rossi F, et al. **FEBS Lett** 1985 Feb 25;181(2):253–8

Specific interactions of liposomes with PMN leukocytes upon incorporating tuftsin in their bilayers. Singhal A, et al. **FEBS Lett** 1984 Dec 3;178(1):109–13

Flow cytometric assessment of neutrophil oxidative metabolism in chronic granulomatous disease on small quantities of whole blood: heterogeneity in female patients. Taga K, et al. **Hiroshima J Med Sci** 1985 Mar;34(1):53–60

Generation of slow–reacting substance (leukotrienes) by endotoxin and lipid A from human polymorphonuclear granulocytes. Bremm KD, et al. **Immunology** 1984 Oct; 53(2):299–305

Erythrocyte lysis by PMA–triggered neutrophil polymorphonuclears: evidence for an hypochlorous acid–dependent process. Dallegri F, et al. **Immunology** 1985 Aug;55(4):639–45

The ingestion and degradation of soluble immune complexes by guinea–pig macrophages and neutrophils. Leslie RG, et al. **Immunology** 1985 Apr;54(4):811–9

Metabolism of leukotrienes by L–gamma–glutamyl–transpeptidase and dipeptidase from human polymorphonuclear granulocytes. Raulf M, et al. **Immunology** 1985 May;55(1):135–47

Fc receptor–mediated desensitization of superoxide (O2–) generation response of guinea–pig macrophages and polymorphonuclear leucocytes. Yagawa K, et al. **Immunology** 1985 Aug;55(4):629–38

Binding of pseudomonal leukocidin to rabbit polymorphonuclear leukocytes. Hirayama T, et al. **Infect Immun** 1984 Dec;46(3):631–4

Stimulus interactions in release of superoxide anion (O2–) from human neutrophils. Further evidence for multiple pathways of activation. Bender JG, et al. **Inflammation** 1985 Mar;9(1):67–79

In vitro generation of hydrogen peroxide and of superoxide anion by bovine polymorphonuclear neutrophilic granulocytes, blood monocytes, and alveolar macrophages. Bielefeldt Ohmann H, et al. **Inflammation** 1984 Sep; 8(3):251–75

Heterologous receptor population for a chemotactic factor F–Met–Leu–Phe on the human neutrophil. Effect of pH and temperature. Mehta J, et al. **Inflammation** 1983 Sep; 7(3):301–9

Histamine H–1 binding site on human polymorphonuclear leukocytes. Wescott S, et al. **Inflammation** 1983 Sep; 7(3):291–300

Drug modulation of superoxide anion production from human neutrophils. Fantozzi R, et al. **Int J Tissue React** 1985;7(2):149–52

Superoxide generation by human blood leucocytes under the effect of cytolytic agents. Ginsburg I, et al. **Int J Tissue React** 1985;7(2):143–7

Lipoxygenase products of arachidonic acid modulate biosynthesis of platelet–activating factor (1–O–alkyl–2–acetyl–sn–glycero–3–phosphocholine) by human neutrophils via phospholipase A2. Billah MM, et al. **J Biol Chem** 1985 Jun 10;260(11):6899–906

Studies on the mechanism of superoxide release from human neutrophils stimulated with arachidonate. Curnutte JT, et al. **J Biol Chem** 1984 Oct 10;259(19):11851–7

Proton stoichiometry associated with human neutrophil respiratory–burst reactions. Gabig TG, et al. **J Biol Chem** 1984 Nov 10;259(21):13166–71

Labeling the granulocyte C5a receptor with a unique photoreactive probe. Johnson RJ, et al. **J Biol Chem** 1985 Jun 25;260(12):7161–4

Type I collagen synthesis by corneal endothelial cells modulated by polymorphonuclear leukocytes. Kay EP, et al. **J Biol Chem** 1985 Apr 25;260(8):5139–46

The molecular species distribution of platelet–activating factor synthesized by rabbit and human neutrophils. Mueller HW, et al. **J Biol Chem** 1984 Dec 10; 259(23):14554–9

Phorbol esters inhibit the fMet–Leu–Phe– and leukotriene B4–stimulated calcium mobilization and enzyme secretion in rabbit neutrophils. Naccache PH, et al. **J Biol Chem** 1985 Feb 25;260(4):2125–31

Cytochrome b translocation to human neutrophil plasma membranes and superoxide release. Differential effects of N–formylmethionylleucylphenylalanine, phorbol myristate acetate, and A23187. Ohno Y, et al. **J Biol Chem** 1985 Feb 25;260(4):2409–14

Coupling of the guanine nucleotide regulatory protein to chemotactic peptide receptors in neutrophil membranes and its uncoupling by islet–activating protein, pertussis toxin. A possible role of the toxin substrate in Ca2+–mobilizing receptor–mediated signal transduction. Okajima F, et al. **J Biol Chem** 1985 Jun 10;260(11):6761–8

ADP–ribosylation of the specific membrane protein by islet–activating protein, pertussis toxin, associated with inhibition of a chemotactic peptide–induced arachidonate release in neutrophils. A possible role of the toxin substrate in Ca2+–mobilizing biosignaling. Okajima F, et al. **J Biol Chem** 1984 Nov 25;259(22):13863–71

Ca2+ homeostasis in permeabilized human neutrophils. Characterization of Ca2+–sequestering pools and the action of inositol 1,4,5–triphosphate. Prentki M, et al. **J Biol Chem** 1984 Nov 25;259(22):13777–82

Identification of the polymorphonuclear leukocyte C5a receptor. Rollins TE, et al. **J Biol Chem** 1985 Jun 25; 260(12):7157–60

Chemoattractant receptor–induced hydrolysis of phosphatidylinositol 4,5–bisphosphate in human polymorphonuclear leukocyte membranes. Requirement for a guanine nucleotide regulatory protein. Smith CD, et al. **J Biol Chem** 1985 May 25;260(10):5875–8

Leukotriene B formation by neutrophils from essential fatty acid–deficient rats. Stenson WF, et al. **J Biol Chem** 1984 Oct 10;259(19):11784–9

Evidence for a role of taurine in the in vitro oxidative toxicity of neutrophils toward erythrocytes. Thomas EL, et al. **J Biol Chem** 1985 Mar 25;260(6):3321–9

Chemoattractant–elicited alterations of cAMP levels in human polymorphonuclear leukocytes require a Ca2+–dependent mechanism which is independent of transmembrane activation of adenylate cyclase. Verghese MW, et al. **J Biol Chem** 1985 Jun 10;260(11):6769–75

Formyl peptide chemotaxis receptors on the rat neutrophil: experimental evidence for negative cooperativity. Marasco WA, et al. **J Cell Biochem** 1985;27(4):359–75

Prevention of granulocyte–mediated oxidant lung injury in rats by a hydroxyl radical scavenger, dimethylthiourea. Fox RB. **J Clin Invest** 1984 Oct;74(4):1456–64

Generation of free radical intermediates from foreign compounds by neutrophil–derived oxidants. Kalyanaraman B, et al. **J Clin Invest** 1985 May;75(5):1618–22

Biochemical requirements for singlet oxygen production by purified human myeloperoxidase. Kanofsky JR, et al. **J Clin Invest** 1984 Oct;74(4):1489–95

An adenosine triphosphate–dependent calcium uptake pump in human neutrophil lysosomes. Klemper MS. **J Clin Invest** 1985 Jul;76(1):303–10

Defective expression of neutrophil membrane proteins in patients with rheumatoid arthritis. Spisani S, et al. **J Clin Lab Immunol** 1985 Feb;16(2):77–9

Decreased oxygen radical generation by neutrophils from patients with measles presumably owing to activation of suppressor T lymphocytes. Niwa Y, et al. **J Clin Microbiol** 1985 Mar;21(3):318–22

Priming of neutrophils for enhanced release of oxygen metabolites by bacterial lipopolysaccharide. Evidence for increased activity of the superoxide–producing enzyme. Guthrie LA, et al. **J Exp Med** 1984 Dec 1;160(6):1656–71

Defective membrane potential changes in neutrophils from human neonates. Sacchi F, et al. **J Exp Med** 1984 Oct 1; 160(4):1247–52

Chemiluminescence induced by phagocytosis of Escherichia coli by polymorphonuclear leucocytes. Fazeli A, et al. **J Gen Microbiol** 1984 Sep;130 (Pt 9):2267–75

Regulation of intracellular pH in human neutrophils. Simchowitz L, et al. **J Gen Physiol** 1985 Mar;85(3):443–70

Calcium requirements for increased complement receptor expression during neutrophil activation. Berger M, et al. **J Immunol** 1985 Aug;135(2):1342–8

PMA induces the ligand–independent internalization of CR1 on human neutrophils. Changelian PS, et al. **J Immunol** 1985 Mar;134(3):1851–8

Adenosine; a physiologic modulator of superoxide anion generation by human neutrophils. Adenosine acts via an A2 receptor on human neutrophils. Cronstein BN, et al. **J Immunol** 1985 Aug;135(2):1366–71

Transduction by leukotriene B4 receptors of increases in cytosolic calcium in human polymorphonuclear leukocytes. Goldman DW, et al. **J Immunol** 1985 Jul;135(1):525–30

Studies of leukotriene B4–specific binding and function in rat polymorphonuclear leukocytes: absence of a chemotactic response. Kreisle RA, et al. **J Immunol** 1985 May;134(5):3356–63

Molecular species of platelet–activating factor generated by human neutrophils challenged with ionophore A23187. Oda M, et al. **J Immunol** 1985 Feb;134(2):1090–3

Evidence for distinct intracellular pools of receptors for C3b and C3bi in human neutrophils. O'Shea JJ, et al. **J Immunol** 1985 Apr;134(4):2580–7

Differential binding of chemoattractant peptide to subpopulations of human neutrophils. Seligmann B, et al. **J Immunol** 1984 Nov;133(5):2641–6

Flow cytometric quantitation of oxidative product formation by polymorphonuclear leukocytes during phagocytosis. Szejda P, et al. **J Immunol** 1984 Dec;133(6):3303–7

Osmotic stress and the freeze–thaw cycle cause shedding of Fc and C3b receptors by human polymorphonuclear leukocytes. Takahashi T, et al. **J Immunol** 1985 Jun; 134(6):4062–8

Neutrophils express a receptor for iC3b, C3dg, and C3d that is distinct from CR1, CR2, and CR3. Vik DP, et al. **J Immunol** 1985 Apr;134(4):2571–9

Intracellular retention of the 5–lipoxygenase pathway product, leukotriene B4, by human neutrophils activated with unopsonized zymosan. Williams JD, et al. **J Immunol** 1985 Apr;134(4):2624–30

Effects of sodium on chemotactic peptide binding to polymorphonuclear leukocytes. Zigmond SH, et al. **J Immunol** 1985 Jul;135(1):531–6

Studies on the binding of C3b–coated microspheres to human neutrophils. Ogle JD, et al. **J Immunol Methods** 1985 Jan 21;76(1):47–62

Increased energy expenditure by granulocytes during phagocytosis of Staphylococcus aureus compared with other staphylococci. Eftimiadi C, et al. **J Infect Dis** 1984 Sep;150(3):366–71

Neutropenia and impaired neutrophil function in glycogenosis type Ib. Di Rocco M, et al. **J Inherited Metab Dis** 1984;7(4):151–4

Stimulus–dependent increased generation of oxygen intermediates in monocytes and polymorphonuclear leukocytes in psoriasis. Schopf RE, et al. **J Invest Dermatol** 1985 Jan;84(1):73–6

Binding characteristics of radioiodinated crystal–induced chemotactic factor to human neutrophils. Spilberg I, et al. **J Lab Clin Med** 1984 Dec;104(6):939–46

Uptake of extracellular calcium by neonatal neutrophils. Strauss RG, et al. **J Leukocyte Biol** 1985 Apr;37(4):423–9

The adrenochrome pathway: the major route for adrenalin catabolism by polymorphonuclear leucocytes. Matthews SB, et al. **J Mol Cell Cardiol** 1985 Apr;17(4):339–48

Neutrophil–derived, oxygen free radical–mediated cardiovascular dysfunction. Rowe GT, et al. **J Mol Cell Cardiol** 1984 Nov;16(11):1075–9

Zinc content of blood cellular components and lymph node and spleen lymphocytes in severely zinc–deficient rats. Milne DB, et al. **J Nutr** 1985 Aug;115(8):1073–8

The accumulation of an aryloxylkylamidine (501C) and 5–hydroxytryptamine in human polymorphonuclear leucocytes: a quantitative electron microscopy study. Read NG, et al. **J Pharm Pharmacol** 1985 Feb;37(2):96–9

One–dimensional thin–layer chromatographic separation of the lipids involved in arachidonic acid metabolism. Irvine RF, et al. **J Pharmacol Methods** 1984 Oct;12(3):171–82

Measurement of malonyldialdehyde production during sodium arachidonate–induced polymorphonuclear leukocyte aggregation. Panus PC, et al. **J Pharmacol Methods** 1985 Apr;13(2):179–86

Direct stimulation of neutrophil oxygenation activity by serum from patients with systemic lupus erythematosus: a relationship to disease activity. Via CS, et al. **J Rheumatol** 1984 Dec;11(6):745–53

Increased chromium uptake in polymorphonuclear leukocytes from burned patients. Davis JM, et al. **J Trauma** 1984 Dec;24(12):1003–9

NEWARK PUBLIC LIBRARY

Nitroblue tetrazolium (NBT) reduction by polymorphonuclear leukocytes on contact with immune complexes in renal glomeruli. Yamamoto T, et al. **Jpn J Exp Med** 1983 Dec;53(6):275-80

Surface contact inhibits neutrophil superoxide generation induced by soluble stimuli. Hoffstein ST, et al. **Lab Invest** 1985 May;52(5):515-22

Adult respiratory distress syndrome after allogeneic bone-marrow transplantation: evidence for a neutrophil-independent mechanism. Braude S, et al. **Lancet** 1985 Jun 1;1(8440):1239-42

Neutrophil activation after myocardial infarction [letter] Matthews SB, et al. **Lancet** 1984 Sep 29;2(8405):756-7

Increased cytosolic calcium in cystic fibrosis neutrophils effect on stimulus-secretion coupling. Cabrini G, et al. **Life Sci** 1985 Apr 22;36(16):1561-7

Stimulation by lipoxygenase products of superoxide anion production in FMLP-treated neutrophils. Beckman JK, et al. **Lipids** 1985 May;20(5):318-21

Incorporation of arachidonic acid and eicosapentaenoic acid into phospholipids by polymorphonuclear leukocytes in vitro. Tou JS. **Lipids** 1984 Aug;19(8):573-7

Characterization of formylmethionyl-leucyl-phenylalanine stimulation of inositol trisphosphate accumulation in rabbit neutrophils. Bradford PG, et al. **Mol Pharmacol** 1985 Jan;27(1):74-8

Stimulated neutrophils from patients with autosomal recessive chronic granulomatous disease fail to phosphorylate a Mr-44,000 protein. Segal AW, et al. **Nature** 1985 Aug 8-14;316(6028):547-9

Idiopathic thrombocytopenic purpura with defective oxidative metabolism of neutrophils. Ohno Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Sep;47(6):1257-64

Non-hematologic complications of iron deficiency. **Nutr Rev** 1984 Oct;42(10):361-3

Oxidative metabolism of cord blood neutrophils: relationship to content and degranulation of cytoplasmic granules. Ambruso DR, et al. **Pediatr Res** 1984 Nov;18(11):1148-53

Comparison between the luminol-dependent chemiluminescence of polymorphonuclear leukocytes and of the myeloperoxidase-HOOH system: influence of pH, cations and protein. Dahlgren C, et al. **Photochem Photobiol** 1985 May;41(5):605-10

Studies on scutellariae radix; XIII. Effects of various flavonoids on arachidonate metabolism in leukocytes. Kimura Y, et al [illegible]**anta Med** 1985 Apr;(2):132-6

Association of the N-formyl-Met-Leu-Phe receptor in human neutrophils with a GTP-binding protein sensitive to pertussis toxin. Lad PM, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):869-73

Leukotriene B5 is formed in human neutrophils after dietary supplementation with icosapentaenoic acid. Strasser T, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1540-3

Oxidant-dependent metabolic activation of polycyclic aromatic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes: possible link between inflammation and cancer. Trush MA, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5194-8

Leukotriene B4 mobilizes calcium without the breakdown of polyphosphoinositides and the production of phosphatidic acid in rabbit neutrophils. Volpi M, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):5966-9

Leukotriene B4 binding to human neutrophils. Lin AH, et al. **Prostaglandins** 1984 Dec;28(6):837-49

The effect of aspirin on the metabolism of exogenous arachidonic acid in human polymorphonuclear leukocytes. Punnonen K, et al. **Prostaglandins Leukotrienes Med** 1984 Aug;15(2):177-85

Effect of Zaditen on serum neutrophil chemotactic activity in exercise-induced asthma. Nagy L, et al. **Respiration** 1985;47(1):21-3

Betamethasone increases the beta-adrenergic receptor density of human polymorphonuclear leukocytes. Marone G, et al. **Ric Clin Lab** 1985 Jan-Mar;15(1):25-32

A possible pathogenetic role of cationic proteins (CP) released by stored granulocytes in the development of pulmonary infiltrates after granulocyte transfusions. Campana D, et al. **Scand J Haematol** 1985 Jan;34(1):29-34

Detection of lactoferrin and myeloperoxidase release from single neutrophils by a protein A plaque assay. Richter J, et al. **Scand J Immunol** 1984 Oct;20(4):349-53

Antibiotic accumulation in human polymorphonuclear leucocytes and lymphocytes. Forsgren A, et al. **Scand J Infect Dis [Suppl]** 1985;44:16-23

Ether-phospholipid composition in neutrophils and platelets. Tencé M, et al. **Thromb Res** 1985 May 1;38(3):207-14

A new physiological function for adenosine: regulation of superoxide anion production. Cronstein BN, et al. **Trans Assoc Am Physicians** 1983;96:384-91

Glycogen metabolism in stored granulocytes. Lane TA, et al. **Transfusion** 1985 May-Jun;25(3):246-50

[Biological activity of a starfish extract on human neutrophils] Shiotsuki K, et al. **Arerugi** 1984 Nov;33(11):957-62 (Eng. Abstr.) **(Jpn)**

[Effect of Bryonia cucurbitacins on the biosynthesis of eicosanoids in human leukocytes] Panosian AG. **Bioorg Khim** 1985 Feb;11(2):264-9 (Eng. Abstr.) **(Rus)**

[Comparison of the oxygen absorption processes during phagocytosis by polymorphonuclear leukocytes from conventional and specific-pathogen-free C57BL/6 strain mice] Larina LL, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):53-5 (Eng. Abstr.) **(Rus)**

[RNA synthesis in the polymorphonuclear leukocytes of a suppurative wound] Sarkisov LS, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):499-502 (Eng. Abstr.) **(Rus)**

[The cytochemistry of granulocytes in acute leukemia] Tsvetkova TZ, et al. **Gematol Transfuziol** 1985 Apr;30(4):29-31 (Eng. Abstr.) **(Rus)**

[Changes in the functional state of neutrophils in rats exposed to noise] Lomov OP, et al. **Gig Sanit** 1985 Feb;(2):71-2 **(Rus)**

[Lipid peroxidation of the blood neutrophils of patients with an ischemic insult and myocardial infarct and of their relatives] Davidenkova EF, et al. **Klin Med (Mosk)** 1984 Nov;62(11):79-81 (Eng. Abstr.) **(Rus)**

[Effect of an increased level of natural radioactivity on the glycogen content of peripheral blood leukocytes in Microtus oeconomus Pall.] Materil LD, et al. **Radiobiologiia** 1984 Nov-Dec;24(6):828-31 (Eng. Abstr.) **(Rus)**

[Possibilities for cytochemical research on neutrophils and lymphocytes in assessing the severity of the course and the completeness of recovery in viral hepatitis B] Vasil'ev VS. **Ter Arkh** 1984;56(10):79-80 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Ingestion and intracellular survival of Brucella abortus in human and bovine polymorphonuclear leukocytes. Riley LK, et al. **Infect Immun** 1984 Oct;46(1):224-30

Effect of growth in serum on uptake of Neisseria gonorrhoeae by human neutrophils. Britigan B, et al. **J Infect Dis** 1985 Aug;152(2):330-8

[The 1st case of ehrlichiosis in a horse in Germany (Brief report)] Büscher G, et al. **DTW** 1984 Nov 22;91(11-12):408-9 **(Ger)**

PATHOLOGY

Cellular abnormalities and reduced colony-forming cells in chronic neutrophilic leukaemia. Mehrotra PK, et al. **Acta Haematol (Basel)** 1985;73(1):47-50

Polymorphonuclear leucocyte accumulation in inflammatory dermal sites measured by a novel neutrophil specific marker protein. Paterson DS, et al. **Agents Actions** 1985 Mar;16(1-2):45

'Use of neutrophil damage index (NDI) test for allergy evaluation'. Fradkin VA. **Allergol Immunopathol (Madr)** 1984 Sep-Oct;12(5):369-76

Anomalous neutrophil granule distribution in a patient with lactoferrin deficiency: pertinence to the respiratory burst. Borregaard N, et al. **Am J Hematol** 1985 Mar;18(3):255-60

Role of polymorphonuclear leukocytes in silica-induced pulmonary fibrosis. Adamson IY, et al. **Am J Pathol** 1984 Oct;117(1):37-43

Complement and polymorphonuclear leukocytes do not determine the vascular permeability induced by intraocular LPS. Howes EL Jr, et al. **Am J Pathol** 1985 Jan;118(1):35-42

Hereditary anomaly of neutrophil granulation in Birman cats. Hirsch VM, et al. **Am J Vet Res** 1984 Oct;45(10):2170-4

Patterns of accumulation of platelets and neutrophils in rat lungs during exposure to 100% and 85% oxygen. Barry BE, et al. **Am Rev Respir Dis** 1985 Sep;132(3):548-55

Modification by hyperoxia in vivo of endotoxin-induced neutrophil alveolitis in rats. Production of chemotactic factors by alveolar macrophages and ultrastructure. Christman JW, et al. **Am Rev Respir Dis** 1985 Jul;132(1):152-8

Neonatal lung neutrophils and elastase/proteinase inhibitor imbalance. Ogden BE, et al. **Am Rev Respir Dis** 1984 Nov;130(5):817-21

Neutrophil alveolitis following endotoxemia. Enhancement by previous exposure to hyperoxia. Rinaldo JE, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1065-71

Generation of an interleukin-I-like lymphocyte-stimulating factor at inflammatory sites: correlation with the infiltration of polymorphonuclear leucocytes. Goto K, et al. **Br J Exp Pathol** 1984 Oct;65(5):521-32

Neutrophils with ring-shaped nuclei in myeloproliferative disease [letter] Stavem P. **Br J Haematol** 1985 Mar;59(3):559

Abnormal hematologic findings in triploidy. Sadowitz PD, et al. **Clin Pediatr (Phila)** 1984 Nov;23(11):641-3

Neutrophilic granulocytosis following lead acetate in female mice. Hogan GR. **Experientia** 1985 Jul 15;41(7):942-3

Morphology of polymorphonuclear neutrophils during periodontal disease in the cynomolgus monkey. Brecx M, et al. **J Clin Periodontol** 1985 Aug;12(7):591-606

Enhanced accumulation of inflammatory neutrophils and macrophages mediated by transfer of T cells from mice immunized with Listeria monocytogenes. Czuprynski CJ, et al. **J Immunol** 1985 May;134(5):3449-54

Early detection of bacteremia in an outpatient clinic. Liu CH, et al. **Pediatrics** 1985 May;75(5):827-31

Degenerative changes in neutrophils: an indicator of bacterial infection. Liu CH, et al. **Pediatrics** 1984 Nov;74(5):823-7

Polymorphonuclear granulocytes in rheumatic tissue destruction. VI. The occurrence of PMNs in menisci of patients with rheumatoid arthritis. Mohr W, et al. **Rheumatol Int** 1984;5(1):39-44

[Characteristics of the G1-fraction of proliferative granulocytes in patients with myelocytic leukemia] Petukhov VI, et al. **Ter Arkh** 1984;56(7):108-15 (Eng. Abstr.) **(Rus)**

[Sweet's syndrome (acute febrile neutrophilic dermatosis)] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):7-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of polymorphonuclear leucocytes in the pulmonary dysfunction induced by complement activation. Borg T, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):231-40

The functions of polymorphonuclear leukocytes emigrating into the skin. Csato M, et al. **Acta Derm Venereol (Stockh)** 1985;65(2):106-10

Absorption of viruses into oral lymphocytes and decreased antibacterial activity of oral polymorphonuclear leukocytes. Ongrádi J, et al. **Acta Microbiol Hung** 1984;31(3):179-85

Neutrophil phagocytosis of treponema denticola as indicated by extracellular release of lactoferrin. Hurlen B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Jun;92(3):171-3

A skin chamber technique for leukocyte migration studies; description and reproducibility. Scheja A, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Feb;93(1):25-30

Functional properties of polymorphonuclear leukocytes accumulated in a skin chamber. Scheja A, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Feb;93(1):31-6

The reactivity of neutrophils at the site of an acute inflammatory reaction as measured by chemiluminescence. Bird J, et al. **Agents Actions** 1984 Oct;15(3-4):349-55

Neutrophil adhesion: studies using a flow-chamber assay. Lackie JM, et al. **Agents Actions** 1985 Mar;16(1-2):23

Defective neutrophil motility [letter] Ozsoylu S, et al. **Am J Dis Child** 1985 Jan;139(1):10-1

Modulation of multiple neutrophil functions by preparative methods or trace concentrations of bacterial lipopolysaccharide. Haslett C, et al. **Am J Pathol** 1985 Apr;119(1):101-10

The role of neutrophils in the development of cadmium chloride-induced emphysema in lathyrogen-fed hamsters. Hoidal JR, et al. **Am J Pathol** 1985 Jul;120(1):22-9

Comparison of the neovascular effects of stimulated macrophages and neutrophils in autologous rabbit corneas. Moore JW 3d, et al. **Am J Pathol** 1985 Jul;120(1):87-98

In vitro and in vivo induction of neutrophil and eosinophil chemotactic responses by Schistosoma japonicum cercaria. Horii Y, et al. **Am J Trop Med Hyg** 1985 May;34(3):513-8

Comparison of peripheral blood and uterine-derived polymorphonuclear leukocytes from mares resistant and susceptible to chronic endometritis: chemotactic and cell elastimetry analysis. Liu IK, et al. **Am J Vet Res** 1985 Apr;46(4):917-20

Neutrophil function in the dog: shape change and response to a synthetic tripeptide. Stickle JE, et al. **Am J Vet Res** 1985 Jan;46(1):225-8

Effect of superoxide dismutase encapsulated in liposomes or conjugated with polyethylene glycol on neutrophil bactericidal activity in vitro and bacterial clearance in vivo. McDonald RJ, et al. **Am Rev Respir Dis** 1985 Apr;131(4):633-7

A new elastase inhibitor from Streptococcus pneumoniae protects against acute lung injury induced by neutrophil granules. Vered M, et al. **Am Rev Respir Dis** 1985 Jan;131(1):131-3

Bacterial and polymorphonuclear leukocyte contribution to middle ear inflammation in chronic otitis media with effusion. Giebink GS, et al. **Ann Otol Rhinol Laryngol** 1985 Jul-Aug;94(4 Pt 1):398-402

Phagocytosis of brushite crystals by pig neutrophils. Higson FK, et al. **Ann Rheum Dis** 1985 Jan;44(1):54-60

The role of oxygen and its derivatives in microbial pathogenesis and host defense. Beaman L, et al. **Annu Rev Microbiol** 1984;38:27-48 (124 ref.)

Phagocytic defense in the lung. Reynolds HY. **Antibiot Chemother** 1985;36:74-87 (40 ref.)

Circadian rhythm of the in vivo migration of neutrophils in psoriatic patients. Pigatto PD, et al. **Arch Dermatol Res** 1985;277(3):185-9

Effects of ethanol and acetaldehyde on phagocytic functions. Schopf RE, et al. **Arch Dermatol Res** 1985;277(2):131-7

Neutrophil delivery to wounds of the upper and lower extremities. Lineaweaver W, et al. **Arch Surg** 1985 Apr;120(4):430-1

In vivo neutrophil delivery to inflammatory sites in surgical patients. Correlation with in vitro neutrophil chemotaxis and adherence. Morris JS, et al. **Arch Surg** 1985 Feb;120(2):205-9

Migration of polymorphonuclear neutrophils and macrophages from bone marrow to the peritoneal cavity after (3H)-thymidine labelling of rat tibial bone marrow in vivo. Smeaton TC. **Aust J Exp Biol Med Sci** 1984 Aug;62 (Pt 4):453-63

Development of membrane-potential responsiveness by myeloid leukemia cells during neutrophilic differentiation. Brown GE, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):937-43

Pertussis toxin inhibits the rise in the intracellular concentration of free calcium that is induced by chemotactic factors in rabbit neutrophils: possible role of the 'G proteins' in calcium mobilization. Molski TF, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):644-50

Interactions of arachidonate metabolism and protein kinase C in mediating neutrophil function. O'Flaherty JT, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):916–23

Simultaneous detection of native and luminol–dependent luminescence of stimulated human polymorphonuclear leukocytes. Roschger P, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):1047–53

Pertussis toxin inhibits intracellular pH changes in human neutrophils stimulated by N–formyl–methionyl–leucyl–phenylalanine. Satoh M, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):64–9

Inhibition of polymorphonuclear leukocyte functions by chlortetracycline. Elferink JG, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3667–73

Involvement of the cortical actin filament network of neutrophil leucocytes during phagocytosis. Sheterline P, et al. **Biochem Soc Trans** 1984 Dec;12(6):983–7

Plasma membrane potential of neutrophils generated by the Na+ pump. Bashford CL, et al. **Biochim Biophys Acta** 1985 Jul 11;817(1):174–80

Inhibition by verapamil of neutrophil responses to formylmethionylleucylphenylalanine and phorbol myristate acetate. Mechanisms involving Ca2+ changes, cyclic AMP and protein kinase C. Della Bianca V, et al. **Biochim Biophys Acta** 1985 May 30;845(2):223–36

Independence with respect to Ca2+ changes of the neutrophil respiratory and secretory response to exogenous phospholipase C and possible involvement of diacylglycerol and protein kinase C. Grzeskowiak M, et al. **Biochim Biophys Acta** 1985 Jan 18;844(1):81–90

Differences in the effect of arachidonic acid on polymorphonuclear and mononuclear leukocyte function. Henricks PA, et al. **Biochim Biophys Acta** 1984 Sep 28; 801(2):206–14

Acetyl glyceryl ether phosphorylcholine (PAF–acether) and leukotriene B4–mediated neutrophil chemotaxis through an intact endothelial cell monolayer. Hopkins NK, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):30–6

Superoxide release and intracellular free calcium of calcium–depleted human neutrophils stimulated by N–formyl–methionyl–leucyl–phenylalanine. Nakagawara M, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):97–103

Novel fluorescence method to visualize antibody–dependent hydrogen peroxide–associated 'killing' of liposomes by phagocytes. Petty HR, et al. **Biophys J** 1985 May; 47(5):731–4

Abnormal adherence–related functions of neutrophils, monocytes, and Epstein–Barr virus–transformed B cells in a patient with C3bi receptor deficiency. Buescher ES, et al. **Blood** 1985 Jun;65(6):1382–90

Adherence of human polymorphonuclear leukocytes to endothelial monolayers: effects of temperature, divalent cations, and chemotactic factors on the strength of adherence measured with a new centrifugation assay. Charo IF, et al. **Blood** 1985 Feb;65(2):473–9

Neutrophils autoinactivate secretory products by myeloperoxidase–catalyzed oxidation. Clark RA, et al. **Blood** 1985 Feb;65(2):375–81

Impaired natural killer cell recycling in childhood chronic neutropenia with morphological abnormalities and defective chemotaxis of neutrophils. Komiyama A, et al. **Blood** 1985 Jul;66(1):99–105

A reassessment of the energy requirements for neutrophil migration: adenosine triphosphate depletion enhances chemotaxis. Lane TA, et al. **Blood** 1984 Nov;64(5):986–93

A monoclonal antibody–defined membrane antigen complex is required for neutrophil–neutrophil aggregation. Schwartz BR, et al. **Blood** 1985 Jun;65(6):1553–6

Interrelationships of polymorphonuclear neutrophil membrane–bound calcium, membrane potential, and chemiluminescence: studies in single living cells. Sullivan GW, et al. **Blood** 1984 Dec;64(6):1184–92

Platelet–derived growth factor promotes polymorphonuclear leukocyte activation. Tzeng DY, et al. **Blood** 1984 Nov; 64(5):1123–8

Echo 9 virus–induced order–disorder transition of chemotactic response of human polymorphonuclear leucocytes: phenomenology and molecular biology. Bültmann BD, et al. **Blood Cells** 1984;10(1):79–106

Comparison of locomotion, chemotaxis and adhesiveness of rabbit neutrophils from blood and peritoneal exudates. Keller HU, et al. **Blood Cells** 1984;10(1):45–57

Impaired neutrophil locomotion associated with hyperadhesiveness in a patient with Chédiak–Higashi syndrome. Keller HU, et al. **Blood Cells** 1984;10(1):37–43

A visual technique for the study of the pharmacological modification of polymorphonuclear chemotaxis. Roch–Arveiller M, et al. **Blood Cells** 1984;10(1):135–45

Polymorphonuclear leucocyte function during acute viral hepatitis. Lazzarin A, et al. **Boll Ist Sieroter Milan** 1984; 63(5):433–8

The adherence to human endothelium and plastic of neutrophils from psoriatic patients, and the effects of psoriatic patients' sera on normal neutrophils. Majewski S, et al. **Br J Dermatol** 1985 Jun;112(6):655–62

Neutrophilic urticaria. Peters MS, et al. **Br J Dermatol** 1985 Jul;113(1):25–30

Impaired phagocytic activity of neutrophils in patients receiving haemodialysis: the critical role of iron overload. Waterlot Y, et al. **Br Med J [Clin Res]** 1985 Aug 24; 291(6494):501–4

Phagocytic activity of polymorphonuclear leucocytes in burns. el–Falaky MH, et al. **Burns Incl Therm Inj** 1985 Feb;11(3):185–91

Inhibition of receptor–mediated release of arachidonic acid by pertussis toxin. Bokoch GM, et al. **Cell** 1984 Dec;39(2 Pt 1):301–8

Inhibition of polymorphonuclear leukocyte functions by fluorinated nitrobenzenes. Elferink JG, et al. **Chem Biol Interact** 1984 Dec;52(2):163–72

Polymorphonuclear leucocyte locomotion and aggregation in patients with alcoholic liver disease. Rajkovic IA, et al. **Clin Exp Immunol** 1984 Dec;58(3):654–62

A functional comparison of IIIindium–labelled elicited peripheral blood neutrophils and peritoneal neutrophils in the rat. Savige JA, et al. **Clin Exp Immunol** 1984 Dec; 58(3):737–44

Polymorphonuclear leukocyte defects in chronic hemodialysis patients [letter] DeBari VA, et al. **Clin Nephrol** 1984 Jul;22(1):51–2

Neutrophil specific granules: a fuse that ignites the inflammatory response. Gallin JI. **Clin Res** 1984 Sep; 32(3):320–8

Differing antimicrobial potency and specificity of peripheral blood and autologous exudative polymorphonuclear leucocytes. Lam C, et al. **Comp Immunol Microbiol Infect Dis** 1984;7(2):81–9

Polymorphonuclear leukocytes in psoriasis. Glinski W, et al. **Cutis** 1985 May;35(5):441–2

Light–scattering changes during chemotactic stimulation of human neutrophils: kinetics followed by flow cytometry. McNeil PL, et al. **Cytometry** 1985 Jan;6(1):7–12

Chemotaxis of neutrophil granulocytes. Measurement, cell biology and clinical significance. Valerius NH. **Dan Med Bull** 1984 Dec;31(6):458–74 (186 ref.)

The functions of polymorphonuclear leukocytes emigrating into the skin in psoriasis. Csató M, et al. **Dermatol Monatsschr** 1985;171(6):372–5

Characteristics of polymorphonuclear leukocyte infiltration into the alkali burned eye and the influence of sodium citrate. Paterson CA, et al. **Exp Eye Res** 1984 Dec; 39(6):701–8

Extracellular cytotoxicity by phagocytosing polymorphonuclear neutrophilic leukocytes: enhancement by a chemotactic stimulus. Dallegri F, et al. **Exp Hematol** 1985 Mar;13(3):209–14

Regulation of human granulocyte function by products derived from murine tumors. Vadas MA, et al. **Exp Hematol** 1985 Feb;13(2):151–6

On the mechanism of killing of Trypanosoma cruzi by human polymorphonuclear leukocytes. Cardoni RL, et al. **Experientia** 1985 Jan 15;41(1):89–91

The effect of surgery and anesthetic agents on granulocyte–chemiluminescence in whole blood. Heberer M, et al. **Experientia** 1985 Mar 15;41(3):342–6

Depression of luminol–enhanced chemiluminescence of guinea pig polymorphonuclear leukocytes by influenza virus with special reference to neuraminidase. Kiyotani K, et al. **Hiroshima J Med Sci** 1985 Mar;34(1):81–6

Membrane potential changes in polymorphonuclear leukocytes of patients with chronic granulomatous disease. Matsuura R, et al. **Hiroshima J Med Sci** 1984 Jun; 33(2):173–7

Diminution of circulating polymorphonuclear leucocytes by administration of a monoclonal antibody reacting with granulocytes and monocytes. Beurton D, et al. **Immunol Lett** 1985;10(1):43–7

Inhibitory effect of tumour cells on leukocyte motility. Kalmar L, et al. **Immunol Lett** 1984;8(4):175–7

Complement–induced granulocyte adhesion and aggregation are mediated by different factors: evidence for non–equivalence of the two cell functions. Fehr J, et al. **Immunology** 1984 Nov;53(3):583–93

Neutrophil function tests in children with repeated infections––a preliminary study. Ramesha Rao K, et al. **Indian J Pediatr** 1984 Sep–Oct;51(412):545–8

Effects of Pseudomonas aeruginosa cytotoxin on human serum and granulocytes and their microbicidal, phagocytic, and chemotactic functions. Baltch AL, et al. **Infect Immun** 1985 May;48(2):498–506

Neutrophil migration in vitro and in vivo during hypothermia. Biggar WD, et al. **Infect Immun** 1984 Dec; 46(3):857–9

Anaerobiosis increases resistance of Neisseria gonorrhoeae to O2–independent antimicrobial proteins from human polymorphonuclear granulocytes. Casey SG, et al. **Infect Immun** 1985 Feb;47(2):401–7

Pattern of formylmethionyl–leucyl–phenylalanine–induced luminol– and lucigenin–dependent chemiluminescence in human neutrophils. Dahlgren C, et al. **Infect Immun** 1985 Jan;47(1):326–8

Defective neutrophil and monocyte motility in patients with early onset periodontitis. Page RC, et al. **Infect Immun** 1985 Jan;47(1):169–75

Comparative superoxide–generating system of granulocytes from blood and peritoneal exudates. Zimmerli W, et al. **Infect Immun** 1984 Dec;46(3):625–30

Influence of fluid–phase chemoattractants on polymorphonuclear leukocyte chemotaxic responsiveness to a surface–bound attractant. Dahlgren C. **Inflammation** 1985 Mar;9(1):81–90

Role of stimulated neutrophils from patients with systemic lupus erythematosus in tissue injury, with special reference to serum factors and increased active oxygen species generated by neutrophils. Niwa Y, et al. **Inflammation** 1985 Jun;9(2):163–72

Rheumatoid arthritis. The role of neutrophil activation. Weissmann G, et al. **Inflammation** 1984 Jun;8 Suppl:S3–14 (46 ref.)

A possible origin of chemiluminescence in phagocytosing neutrophils. Reaction between chloramines and H2O2. Zgliczyński JM, et al. **Int J Biochem** 1985;17(4):515–9

In vitro effect of a ribosomal extract of Klebsiella pneumoniae on normal human polymorphonuclear neutrophil functions. Laharrague PF, et al. **Int J Immunopharmacol** 1984; 6(5):503–7

Effects of supernatants and lysates of polymorphonuclear leukocytes––lymphocyte mitogenic factors. Sheng YJ, et al. **Int J Immunopharmacol** 1984;6(6):557–62

The inflammatory reaction in healing wounds: the role of polymorphonuclear leucocytes. Lundberg C, et al. **Int J Tissue React** 1984;6(6):477–83

Polymorphonuclear neutrophils delay corneal epithelial wound healing in vitro. Wagoner MD, et al. **Invest Ophthalmol Vis Sci** 1984 Oct;25(10):1217–20

Increased plasma chemoattractant in Sweet's syndrome. Kaplan SS, et al. **J Am Acad Dermatol** 1985 Jun; 12(6):1013–21

Phagocytosis and killing of mixed anaerobic and aerobic bacteria [letter] Namavar F, et al. **J Antimicrob Chemother** 1985 May;15(5):650

Pulmonary neutrophil kinetics after thrombin–induced intravascular coagulation. Cooper JA, et al. **J Appl Physiol** 1984 Sep;57(3):826–32

Polymorphonuclear leukocyte: arachidonate edema. Shasby DM, et al. **J Appl Physiol** 1985 Jul;59(1):47–55

Stereochemistry, total synthesis, and biological activity of 14,15–dihydroxy–5,8,10,12–eicosatetraenoic acid. Radmark O, et al. **J Biol Chem** 1984 Nov 10;259(21):13011–6

The inhibition of neutrophil granule enzyme secretion and chemotaxis by pertussis toxin. Becker EL, et al. **J Cell Biol** 1985 May;100(5):1641–6

Modulation of cytosolic–free calcium transients by changes in intracellular calcium–buffering capacity: correlation with exocytosis and O2–production in human neutrophils. Lew PD, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1212–20

Neutrophil degranulation: evidence pertaining to its mediation by the combined effects of leukotriene B4, platelet–activating factor, and 5–HETE. O'Flaherty JT. **J Cell Physiol** 1985 Feb;122(2):229–39

Adhesion of neutrophil leucocytes under conditions of flow. Forrester JV, et al. **J Cell Sci** 1984 Aug;70:93–110

Behaviour of neutrophil leucocytes in uniform concentrations of chemotactic factors: contraction waves, cell polarity and persistence. Shields JM, et al. **J Cell Sci** 1985 Mar;74:75–93

Leukotriene B4 stimulates polymorphonuclear leukocyte adhesion to cultured vascular endothelial cells. Gimbrone MA Jr, et al. **J Clin Invest** 1984 Oct;74(4):1552–5

Subcellular localization of the large subunit of Mo1 (Mo1 alpha; formerly gp 110), a surface glycoprotein associated with neutrophil adhesion. Todd RF 3d, et al. **J Clin Invest** 1984 Oct;74(4):1280–90

Neuraminidase activity is not the cause of influenza virus–induced neutrophil dysfunction. Abramson JS, et al. **J Clin Microbiol** 1985 Jul;22(1):129–31

Nerve growth factor: a chemotactic factor for polymorphonuclear leukocytes in vivo. Boyle MD, et al. **J Immunol** 1985 Jan;134(1):564–8

The role of neutrophil membrane glycoprotein 150 (Gp–150) in neutrophil–mediated endothelial cell injury in vitro. Diener AM, et al. **J Immunol** 1985 Jul;135(1):537–43

The combined action of hyaluronic acid and fibronectin stimulates neutrophil migration. Håkansson L, et al. **J Immunol** 1985 Oct;135(4):2735–9

Opsonic properties of C–reactive protein. Stimulation by phorbol myristate acetate enables human neutrophils to phagocytize C–reactive protein–coated cells. Kilpatrick JM, et al. **J Immunol** 1985 May;134(5):3364–70

Stimulation of human neutrophilic granulocyte chemotaxis by monoclonal antibodies. Laskin DL, et al. **J Immunol** 1985 Feb;134(2):1146–52

Dissociation between aggregation and superoxide production in human granulocytes. Whitin JC, et al. **J Immunol** 1985 Feb;134(2):1206–11

Phorbol myristate acetate mediates redistribution of protein kinase C in human neutrophils: potential role in the activation of the respiratory burst enzyme. Wolfson M, et al. **J Immunol** 1985 Sep;135(3):2057–62

Characterization of the interaction of human eosinophils and neutrophils with opsonized particles. Yazdanbakhsh M, et al. **J Immunol** 1985 Aug;135(2):1378–84

Neutrophil leucocyte chemotaxis: a simplified assay for measuring polarizing responses to chemotactic factors. Haston WS, et al. **J Immunol Methods** 1985 Aug 2; 81(2):229–37

Rapid microassays of phagocytosis, bacterial killing, superoxide and hydrogen peroxide production by human neutrophils in vitro. Rajkovic IA, et al. **J Immunol Methods** 1985 Apr 8;78(1):35–47

A flow cytometric method for the measurement of phagocytosis by polymorphonuclear leucocytes. Wilson RM, et al. **J Immunol Methods** 1985 Feb 11;76(2):247–53

Human mononuclear cells exposed to staphylococci rapidly produce an inhibitor of neutrophil chemotaxis. Donabedian H. **J Infect Dis** 1985 Jul;152(1):24–32

Effects of maternal protein deprivation on the nutritional status and neutrophil function of suckling neonatal rats. Nwankwo MU, et al. **J Infect Dis** 1985 Jan;151(1):23–32

Opsonophagocytosis of Neisseria gonorrhoeae: interaction of local and disseminated isolates with complement and neutrophils. Ross SC, et al. **J Infect Dis** 1985 Jan; 151(1):33–41

Transient absence of C5a-specific neutrophil function in inflammatory disorders of the skin. Schröder JM, et al. **J Invest Dermatol** 1985 Sep;85(3):194–8

Comparative responses of human polymorphonuclear leukocytes obtained by counterflow centrifugal elutriation and Ficoll–Hypaque density centrifugation. II. Membrane potential changes, membrane receptor analysis, membrane fluidity, and analysis of the effects of the preparative techniques. Berkow RL, et al. **J Lab Clin Med** 1984 Nov; 104(5):698–710

Fibronectin mediates chemotactic factor-stimulated neutrophil substrate adhesion. Marino JA, et al. **J Lab Clin Med** 1985 Jun;105(6):725–30

The effects of hypothermia on neutrophil function in vitro. Akriotis V, et al. **J Leukocyte Biol** 1985 Jan;37(1):51–61

Monocytes and neutrophils oxidize low density lipoprotein making it cytotoxic. Cathcart MK, et al. **J Leukocyte Biol** 1985 Aug;38(2):341–50

Reactivation of tritonated models of human polymorphonuclear leukocytes (PMNs): a computer-assisted analysis. Cheung AT, et al. **J Leukocyte Biol** 1985 Aug;38(2):203–11

Redistribution of ecto-5'-nucleotidase during phagocytosis by guinea pig polymorphonuclear leukocytes. Cramer E, et al. **J Leukocyte Biol** 1984 Oct;36(4):463–75

Monitoring human neutrophil granule secretion by flow cytometry: secretion and membrane potential changes assessed by light scatter and a fluorescent probe of membrane potential. Fletcher MP, et al. **J Leukocyte Biol** 1985 Apr;37(4):431–47

Functions of neutrophils in endemic Chediak–Higashi syndrome. Goihman–Yahr M, et al. **J Leukocyte Biol** 1984 Oct;36(4):549–50

The chemotactic response of granulocytes to the low molecular weight chemoattractants f-MLP, C5f, and LTB4 is dependent on chemokinetic factors. Håkansson L, et al. **J Leukocyte Biol** 1985 Oct;38(4):521–30

Modulation of rabbit neutrophil aggregation and degranulation by free fatty acids. Naccache PH, et al. **J Leukocyte Biol** 1984 Sep;36(3):333–40

Modulation of endotoxin-induced neutrophil alveolitis by captopril and by hyperoxia. Rinaldo JE, et al. **J Leukocyte Biol** 1985 Jan;37(1):87–99

Polymorphonuclear leukocyte chemotaxis by mixed anaerobic and aerobic bacteria. Namavar F, et al. **J Med Microbiol** 1984 Oct;18(2):167–72

Killing capacity of human polymorphonuclear leukocytes in aerobic and anaerobic conditions. Vel WA, et al. **J Med Microbiol** 1984 Oct;18(2):173–80

Human neutrophil migration under agarose to bacteria associated with the development of gingivitis. Lareau DE, et al. **J Periodontol** 1984 Sep;55(9):540–9

Immunologic profile of juvenile periodontitis. II. Neutrophil chemotaxis, phagocytosis and spore germination. Suzuki JB, et al. **J Periodontol** 1984 Aug;55(8):461–7

Immune complex activation of neutrophils and enhancement of the activation by rheumatoid factor and complement. Gale RJ, et al. **J Rheumatol** 1985 Feb;12(1):21–6

Blood and peritoneal neutrophil (PMN) adherence in rabbits: the effects of hemoglobin, peritoneal fluid, and infection. Freischlag J, et al. **J Surg Res** 1985 Jun;38(6):635–40

Interaction of polymorphonuclear leukocytes and viruses in humans: adherence of polymorphonuclear leukocytes to respiratory syncytial virus-infected cells. Faden H, et al. **J Virol** 1984 Oct;52(1):16–23

Activated neutrophils disrupt endothelial monolayer integrity by an oxygen radical-independent mechenism. Harlan JM, et al. **Lab Invest** 1985 Feb;52(2):141–50

Neutrophils and adult respiratory distress syndrome [editorial] **Lancet** 1984 Oct 6;2(8406):790–1

Neutrophils and adult respiratory distress syndrome [letter] Crawford SM. **Lancet** 1984 Dec 15;2(8416):1392–3

A genetically engineered mutant of alpha 1-antitrypsin protects connective tissue from neutrophil damage and may be useful in lung disease. George PM, et al. **Lancet** 1984 Dec 22;2(8417–18):1426–8

Age-related changes in cAMP and cGMP levels during phagocytosis in human polymorphonuclear leukocytes. Fülöp T, et al. **Mech Ageing Dev** 1984 Oct 15;27(2):233–7

Age related variations of some polymorphonuclear leukocyte functions. Fülöp T Jr, et al. **Mech Ageing Dev** 1985 Jan; 29(1):1–8

Assessment of neutrophil function in the elderly using antibody coated polyacrylamide gel (immunobeads) and nitroblue tetrazolium (NBT) reduction as a combined test. Horan MA, et al. **Mech Ageing Dev** 1985 Jan;29(1):29–33

Inhibition of phagocytosis of polymorphonuclear leucocytes by adenosine and HoCl3 in vitro. Mirčevová L, et al. **Med Biol** 1984;62(6):326–30

Effect of the presence of black pigmented Bacteroides of differing pathogenicity on the phagocytosis of Escherichia coli by rat polymorphonuclear leucocytes. Pancholi V, et al. **Med Microbiol Immunol (Berl)** 1985;174(3):131–7

Degradation of rat or sheep glomerular basement membrane by rabbit neutrophils in vitro. The roles of proteinases, complement and oxygen-derived radicals. Bray J, et al. **Mol Biol Med** 1983 Sep;1(2):253–69

The role of oxygen-free radicals and their secondary production by PMN. A response [letter] Barak M. **Mutat Res** 1984 Nov–Dec;141(3–4):211

Ca2+-dependent and Ca2+-independent phagocytosis in human neutrophils. Lew DP, et al. **Nature** 1985 Jun 6–12; 315(6019):509–11

Plasma activity inducing polymorphonuclear neutrophils (PMN) aggregation, chemotactic plasma activity, and plasma activity augmenting PMN adherence in untreated patients with Hodgkin's disease. Possible relationship to disseminated intravascular complement activation. Wierusz-Wysocka B, et al. **Oncology** 1984;41(6):409–13

A suggested role for polymorphonuclear leukocytes in the perpetuation of periapical disease. Callis PD, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):88–90

Oxidation of leukotrienes at the omega end: demonstration of a receptor for the 20-hydroxy derivative of leukotriene B4 on human neutrophils and implications for the analysis of leukotriene receptors. Clancy RM, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5729–33

Regulation of cellular function by products of lysosomal enzyme activity: elimination of human natural killer cells by a dipeptide methyl ester generated from L-leucine methyl ester by monocytes or polymorphonuclear leukocytes. Thiele DL, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2468–72

Biological activities of isomers of 8,15-dihydroxyeicosatetraenoic acid. Evans J, et al. **Prostaglandins** 1984 Sep;28(3):435–8

Aggregation and thromboxane synthesis and release in isolated sheep neutrophils and lymphocytes in response to complement stimulation. Tahamont MV, et al. **Prostaglandins Leukotrienes Med** 1984 Nov;16(2):181–90

Effects of bacterial endotoxins on neutrophil function. Wilson ME. **Rev Infect Dis** 1985 May–Jun;7(3):404–18 (81 ref.)

Neutrophil and monocyte behaviour in three-dimensional collagen matrices. Brown AF. **Scan Electron Microsc** 1984; (Pt 2):747–54

Phagocytes as carcinogens: malignant transformation produced by human neutrophils. Weitzman SA, et al. **Science** 1985 Mar 8;227(4691):1231–3

Decreased wound neutrophils and indiscrete margination in the pathogenesis of wound infection. Yurt RW, et al. **Surgery** 1985 Aug;98(2):191–8

Granulocyte activation. Biochemical events associated with the mobilization of calcium. Naccache PH, et al. **Surv Immunol Res** 1984;3(4):288–94 (40 ref.)

Manganese dioxide induces alveolar macrophage chemotaxis for neutrophils in vitro. Snella MC. **Toxicology** 1985 Feb; 34(2):153–9

Granulocytes without degranulation: neutrophil function in granule-depleted neutroplasts. Korchak HM, et al. **Trans Assoc Am Physicians** 1983;96:356–64

Changes in neutrophil aggregation and chemotaxis response during 18-hour cold storage. Eastlund T, et al. **Transfusion** 1984 Nov–Dec;24(6):513–5

Effect of Rhodococcus equi on equine polymorphonuclear leukocyte function. Ellenberger MA, et al. **Vet Immunol Immunopathol** 1984 Oct;7(3–4):315–24

The search for an endogenous activator. Gekowski KM, et al. **Yale J Biol Med** 1985 Mar–Apr;58(2):153–63

Enhanced killing of penicillin-treated gram-positive cocci by human granulocytes: role of bacterial autolysins, catalase, and granulocyte oxidative pathways. Isturiz R, et al. **Yale J Biol Med** 1985 Mar–Apr;58(2):133–43

The influence of penicillin on growth and morphology of Streptococcus pyogenes in vivo. Bergholm AM, et al. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1985 Feb; 259(1):90–103

[Determination of tetrazolium reductase activity of leukocytes on microtitration plates] Lochmanová A, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 Jul;33(4):211–5 (Eng. Abstr.) **(Cze)**

[Polymorphonuclear leukocytes in dermatology. Physiology. Study methodology. Therapeutic applications] Stalder JF. **Ann Dermatol Venereol** 1984;111(12):1109–24 (136 ref.) **(Fre)**

[Function of neutrophilic polymorphonuclear leukocytes in pediatric patients with intrinsic and extrinsic asthma during the intercrisis period] Ruiz Extremera A, et al. **Pediatrie** 1984 Dec;39(8):653–60 (Eng. Abstr.) **(Fre)**

[Increase in polynuclear neutrophils of the broncho-alveolar irrigation fluid following exposure in a case of acute alveolitis] Fitting JW, et al. **Rev Mal Respir** 1984;1(5):301–4 (Eng. Abstr.) **(Fre)**

[Current data on mechanisms of intraleukocytic bactericide] Cantinieaux-Magrez B, et al. **Rev Med Brux** 1984 Dec; 5(10):661-9 (Eng. Abstr.) **(Fre)**

[Effects of antibiotics on phagocytosis by neutrophils] Lagast H. **Rev Med Brux** 1984 Dec;5(10):692–4 (Eng. Abstr.) **(Fre)**

[Comparison of the in vitro activity of ceftazidime: in culture, in serum and in combination with granulocytes] Daschner FD, et al. **Immun Infekt** 1983 Nov;11(6):221–8 (Eng. Abstr.) **(Ger)**

[Changes in the chemoluminescence behavior of micro- and macrophages in psoriasis: more than just an epiphenomenon?] Schopf RE, et al. **Z Hautkr** 1985 May 15;60(10):797–8, 801–2, 807 (Eng. Abstr.) **(Ger)**

[Chemotactic factor to polymorphonuclear leucocytes in the crystallin lens. 1. Age-related chemotactic activity by chemotaxis assay] Tomoda T. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):317–22 (Eng. Abstr.) **(Jpn)**

[Studies of experimentally induced trans-epithelial elimination, with special reference to the role of neutrophils in its mechanisms] Morishita M. **Nippon Hifuka Gakkai Zasshi** 1984 Dec;94(14):1615–24 **(Jpn)**

[The mechanism of luminol-dependent chemiluminescence of polymorphonuclear neutrophils] Morishita Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Aug;47(5):1070-81 (Eng. Abstr.) **(Jpn)**

[Role of taurine in neutrophil function] Masuda M, et al. **Nippon Yakurigaku Zasshi** 1984 Sep;84(3):283–92 (Eng. Abstr.) **(Jpn)**

[Effects of des-Arg9-bradykinin and its kininase II-hydrolyzing products on rat polymorphonuclear leucocyte emigration in vitro] Inokuchi J, et al. **Yakugaku Zasshi** 1984 Jun;104(6):695–8 (Eng. Abstr.) **(Jpn)**

[Function and ultrastructure of peripheral blood neutrophils in a patient with granulocytic myeloperoxidase deficiency] Hrycek A, et al. **Pol Arch Med Wewn** 1985 Jan;73(1):49–55 (Eng. Abstr.) **(Pol)**

[New informative index of the functional status of polymorphonuclear neutrophils] Tereshchenko IP, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):505–6 (Eng. Abstr.) **(Rus)**

[Functional-metabolic activity of neutrophil granulocytes in donor blood as affected by oxygenation] Gabrilovich IM, et al. **Lab Delo** 1984;(9):522–5 (Eng. Abstr.) **(Rus)**

[Capillary micromethod for determining the absorptive capacity of peripheral blood neutrophiis] Shatrov VA, et al. **Lab Delo** 1985;(1):17–8 (Eng. Abstr.) **(Rus)**

[The effect of surgical trauma and peroperative hemodilution on the phagocytic and microbicidal capacity of polymorphonuclear leukocytes] Horecký J, et al. **Bratisl Lek Listy** 1984 Nov;82(5):1301–9 (Eng. Abstr.) **(Slo)**

[The function of polymorphonucleocytes: chemotaxis, the nitroblue tetrazolium test and myeloperoxidases in healthy children and adults] Ruiz Extremera A, et al. **An Esp Pediatr** 1984 Jun;20(9):854–9 (Eng. Abstr.) **(Spa)**

[Reduction of the function of polymorphonucleocytes: chemotaxis and myeloperoxidases in viral infections in childhood] Salmerón Escobar FJ, et al. **An Esp Pediatr** 1984 Aug;21(2):113–8 (Eng. Abstr.) **(Spa)**

[Release of antibacterial leukocyte proteins and variations in serum iron levels in bacterial pneumonias] Camacho J, et al. **Rev Clin Esp** 1984 Nov 15–30;175(3–4):123–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Role of myeloperoxidase in respiratory burst of human polymorphonuclear leukocytes. Studies with myeloperoxidase-deficient subjects. Dri P, et al. **Inflammation** 1985 Mar;9(1):21–31

RADIATION EFFECTS

Viability and phagocytosis of neutrophils exposed in vitro to 100-MHz radiofrequency radiation. Cleary SF, et al. **Bioelectromagnetics** 1985;6(1):53–60

Long wavelength UV radiation affects chemiluminescence of human polymorphonuclear leucocytes. Bredberg A, et al. **Photochem Photobiol** 1985 Mar;41(3):337–41

[Changes in the phagocytic activity of neutrophilic leukocytes after irradiation with the He–Ne laser] Hubáček J, et al. **Cesk Otolaryngol** 1985 Jun;34(3):141–6 (Eng. Abstr.) **(Cze)**

[Increased rate of phagocytosis of polymorphonuclear leukocytes following whole-body UV irradiation and extracorporeal UV irradiation of blood] Scherf HP, et al. **Dermatol Monatsschr** 1985;171(5):319–23 (Eng. Abstr.) **(Ger)**

SECRETION

Effect of supernatants from PHA-stimulated and non-stimulated lymphocyte cultures on thromboxane B2 release by polymorphonuclear leukocytes in vitro. Conti P, et al. **Agents Actions** 1985 Mar;16(1–2):52–4

Increased in vivo secretory activity of neutrophil granulocytes in patients with psoriasis and palmoplantar pustulosis. Lundin A, et al. **Arch Dermatol Res** 1985; 277(3):179–84

Properties of interleukin-1 as a complete secretagogue for human neutrophils. Smith RJ, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1233–40

Activation of the human neutrophil secretory process with 5(S),12(R)-dihydroxy-6,14-cis-8,10-trans-eicosatetraenoic acid. Smith RJ, et al. **Inflammation** 1984 Dec;8(4):365–84

[The lysozyme liberation test—a method for the demonstration of stimulation of human neutrophil granulocytes and monocytes] Timm M, et al. **Allerg Immunol (Leipz)** 1984;30(3):175–82 (Eng. Abstr.) **(Ger)**

[Effects of platelets on SRS release from human polymorphonuclear leukocytes] Taniguchi N, et al. **Arerugi** 1985 Apr;34(4):218–25 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

Exchange transfusion as an alternative to granulocyte concentrate administration in neonates with bacterial sepsis and profound neutropenia. Christensen RD, et al. **J Clin Apheresis** 1984;2(2):177–83

Neutrophil storage pool depletion in septic, neutropenic neonates. Wheeler JG, et al. **Pediatr Infect Dis** 1984 Sep–Oct;3(5):407–9

Improved survival of newborns receiving leukocyte transfusions for sepsis. Cairo MS, et al. **Pediatrics** 1984 Nov; 74(5):887–92

[Cellular immunity in patients with frequently recurring peptic ulcer after complex treatment using granulocyte concentrates] Preobrazhenskiĭ VN, et al. **Ter Arkh** 1985; 57(2):55–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructure of polymorphonuclear leukocytes in postcapillary venules after exposure to leukotriene B4 in vivo. Thureson-Klein A, et al. **Acta Physiol Scand** 1984 Oct;122(2):221–4

The presence of abnormal lysosomes in lymphocytes and neutrophils during chloroquine therapy: a quantitative ultrastructural study. Jones CJ, et al. **Ann Rheum Dis** 1984 Oct;43(5):710–5

Neutrophil specific granule deficiency. Gallin JI. **Annu Rev Med** 1985;36:263–74 (56 ref.)

Unique inhibitory profile of platelet activating factor induced calcium mobilization, polyphosphoinositide turnover and granule enzyme secretion in rabbit neutrophils towards pertussis toxin and phorbol ester. Naccache PH, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):677–84

Ultrastructural localization of lactoferrin and myeloperoxidase in human neutrophils by immunogold. Cramer E, et al. **Blood** 1985 Feb;65(2):423–32

Neutrophils with ring-shaped nuclei in myeloproliferative disease. Langenhuijsen MM. **Br J Haematol** 1984 Oct; 58(2):227–30

Fc and complement receptor integrity of polymorphonuclear (PMN) cells following thermal injury. Jeyapaul J, et al. **Burns Incl Therm Inj** 1984 Aug;10(6):387–95

Cytokineplasts from human blood polymorphonuclear leukocytes. Lack of oxidase activity and extended functional longevity. Malawista SE, et al. **Inflammation** 1985 Mar;9(1):99–106

Evidence for an involvement of actin in the positioning and motility of centrosomes. Euteneuer U, et al. **J Cell Biol** 1985 Jul;101(1):96–103

The kinetics of chemotactic peptide-induced change in F-actin content, F-actin distribution, and the shape of neutrophils. Howard TH, et al. **J Cell Biol** 1985 Sep; 101(3):1078–85

Relationship of actin polymerization and depolymerization to light scattering in human neutrophils: dependence on receptor occupancy and intracellular Ca++. Sklar LA, et al. **J Cell Biol** 1985 Sep;101(3):1161–6

Asymmetric distribution of the chemotactic peptide receptor on polymorphonuclear leukocytes. Sullivan SJ, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1461–7

Effects of chemotactic factors and other agents on the amounts of actin and a 65,000-mol-wt protein associated with the cytoskeleton of rabbit and human neutrophils. Yassin R, et al. **J Cell Biol** 1985 Jul;101(1):182–8

Isolation of canine neutrophil plasma membranes. O'Donnell RT, et al. **J Leukocyte Biol** 1985 Sep;38(3):353–68

A live infant with trisomy 14 mosaicism and nuclear abnormalities of the neutrophils. Dallapiccola B, et al. **J Med Genet** 1984 Dec;21(6):467–70

Microtubules in neutrophils of patients with Behçet's disease. Saga T, et al. **Jpn J Ophthalmol** 1985;29(1):31–6

Immotile cilia syndrome: reduced chemotaxis and reduced number of intramembranous particles in granulocytes. Wolburg H, et al. **Klin Wochenschr** 1984 Nov 2; 62(21):1044–6

Identification of three types of granules in neutrophils of ruminants. Ultrastructure of circulating and maturing cells. Baggiolini M, et al. **Lab Invest** 1985 Feb;52(2):151–8

Electron microscopic study of leucocytic infiltration of the mammary teat duct during infection with Staphylococcus aureus. Nickerson SC, et al. **Res Vet Sci** 1985 Mar; 38(2):167–73

[Ultrastructural observation of the neutrophilic granulocyte series in the bone marrow of patients with nutritional megaloblastic anemia] Wang LF. **Chung Hua Nei Ko Tsa Chih** 1984 Jun;23(6):362–4, 399 (Eng. Abstr.) **(Chi)**

[Microtubules in polymorphonuclear leukocytes from patients with Behçet's disease] Saga T, et al. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):349–53 (Eng. Abstr.) **(Jpn)**

[Ultrastructure of abnormal neutrophils and megakaryocytes in a case of chronic benign neutropenia in childhood with thrombocytopenia] Sakakibara H, et al. **Rinsho Ketsueki** 1984 Dec;25(12):1981–8 (Eng. Abstr.) **(Jpn)**

[Electron microscopic study of postmortem fibrinolysis] Senianskaia NL. **Arkh Patol** 1985;47(2):58–65 (Eng. Abstr.) **(Rus)**

[Changes in the activity of lysosomal enzymes of alveolar macrophages and neutrophils in various lung diseases] Bulychev AG, et al. **Probl Tuberk** 1984 Aug;(8):62–5 (Eng. Abstr.) **(Rus)**

NEVOXANTHOENDOTHELIOMA see **XANTHOMA, JUVENILE**

NEVUS

Malignant melanoma and other melanocytic neoplasms. **Am J Dermatopathol** 1984 Summer;6 Suppl:1–340

More than conventional microscopy is now required for study of moles and malignant melanomas [editorial] Ackerman AB. **Am J Dermatopathol** 1984 Summer;6 Suppl:10–2

ANALYSIS

Estrogen and progesterone receptors in melanocytic lesions. Occurrence in patients with dysplastic nevus syndrome. Ellis DL, et al. **Arch Dermatol** 1985 Oct;121(10):1282–5

Immunohistochemical localization of ganglioside GD3 in human malignant melanoma, epithelial tumors, and normal tissues. Dippold WG, et al. **Cancer Res** 1985 Aug; 45(8):3699–705

CLASSIFICATION

Making orderly the disorderly nevus. Elder DE. **Am J Dermatopathol** 1984 Summer;6 Suppl:175–6

Phakomatosis pigmentovascularis type IVa. Hasegawa Y, et al. **Arch Dermatol** 1985 May;121(5):651–5

Borderline melanocytic tumors. Weedon D. **J Cutan Pathol** 1985 Jun–Aug;12(3–4):266–70

COMPLICATIONS

Basal cell epithelioma occurring in an epidermal nevus. Taki T, et al. **Acta Pathol Jpn** 1984 Jul;34(4):859–62

Choroidal (subretinal) neovascularization secondary to choroidal nevus and successful treatment with argon laser photocoagulation. Case reports and review of literature. Mines JA, et al. **Ophthalmologica** 1985;190(4):210–8

Port wine nevus associated with ipsilateral saccular aneurysms: treatment by intraarterial balloon trapping. Reid TL, et al. **Surg Neurol** 1985 May;23(5):541–4

[Epidermal nevus syndrome (of Solomon, Fretzin and Dewald)] Camacho Martinez F, et al. **Ann Dermatol Venereol** 1985;112(2):143–7 (Eng. Abstr.) **(Fre)**

[Linear nevus sebaceous syndrome: report of a case and a review of the literature] Konishi T, et al. **No To Hattatsu** 1984 Sep;16(5):399–403 (Eng. Abstr.) **(Jpn)**

[Brain sonography in linear nevus sebaceous syndrome] Tanino S, et al. **No To Hattatsu** 1985 Jan;17(1):81–3 **(Jpn)**

CONGENITAL

All small congenital nevi need not be removed. Clemmensen O, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:189–94

The blind men and the elephant. Different views of small congenital nevi [editorial] Elder DE. **Arch Dermatol** 1985 Oct;121(10):1263–5

Prevalence of congenital-nevus-like nevi, nevi spili, and café au lait spots. Kopf AW, et al. **Arch Dermatol** 1985 Jun; 121(6):766–9

Congenital-nevus-like nevi, nevi spili, and café-au-lait spots in patients with malignant melanoma. Kopf AW, et al. **J Dermatol Surg Oncol** 1985 Mar;11(3):275–80

[Association of an epithelial dermoid with alopecia and a sebaceous verrucose nevus: hologynic hereditary malformations] Streiff EB, et al. **Ophthalmologica** 1985; 190(2):67–71 (Eng. Abstr.) **(Fre)**

[Malignant melanoma in children and adolescents. 8 cases] Vennin P, et al. **Presse Med** 1985 Mar 2;14(9):529–32 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

From the National Institutes of Health. Precursors to malignant melanoma. **Am J Dermatopathol** 1984 Summer; 6 Suppl:169–74

Seborrheic keratosis? [letter] Rapini RP. **J Dermatol Surg Oncol** 1985 Jan;11(1):74

[Significance of infrared angiography in the differential diagnosis of choroid tumors] Bischoff P. **Klin Monatsbl Augenheilkd** 1985 Mar;186(3):187–93 (Eng. Abstr.) **(Ger)**

[Diagnosis and operative treatment of nevi and hemangiomas in the area of the head and neck] Staindl O, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Nov;63(11):545–55 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Inflammatory linear epidermal nevus caused by branchial cleft sinuses in a woman with numerous congenital anomalies. Tom DW, et al. **Pediatr Dermatol** 1985 Jul; 2(4):318–21

FAMILIAL & GENETIC

Choroidal melanoma and choroidal nevus in one sibship. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1983;207:37–43

A newly recognized feature of ectrodactyly, ectodermal dysplasia, clefting (EEC) syndrome: comedone naevus. Leibowitz MR, et al. **Dermatologica** 1984;169(2):80–5

The fine page. The dysplastic nevus syndrome—endocrine disease. Fine RM. **Int J Dermatol** 1985 Mar;24(2):97

IMMUNOLOGY

Recombinant gamma-interferon induces changes in expression and shedding of antigens associated with normal human melanocytes, nevus cells, and primary and metastatic melanoma cells. Herlyn M, et al. **J Immunol** 1985 Jun;134(6):4226–30

[Immunohistological detection of monoclonal antibodies to histocompatibility antigens in melanoma cells and nevus cells] Kageshita T, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Oct;94(11):1285–9 **(Jpn)**

METABOLISM

Unilateral naevoid telangiectatic syndrome—a study of two cases. Vestey JP, et al. **Clin Exp Dermatol** 1985 May; 10(3):288–91

On the occurrence of cysteinyldopa and dopa in melanocytes and benign nevi cells. Falck B, et al. **Scand J Plast Reconstr Surg** 1976;10(3):185–8

OCCURRENCE

Demographic study of clinically atypical (dysplastic) nevi in patients with melanoma and comparison subjects. Nordlund JJ, et al. **Cancer Res** 1985 Apr;45(4):1855–61

The incidence and significance of birthmarks in a cohort of 4,641 newborns. Alper JC, et al. **Pediatr Dermatol** 1983 Jul;1(1):58–68

PATHOLOGY

Nevus cells within lymph nodes. Possible metastases from a benign intradermal nevus. Subramony C, et al. **Am J Clin Pathol** 1985 Aug;84(2):220–3

Critical commentary on statements in 'Precursors to Malignant Melanoma'. Ackerman AB. **Am J Dermatopathol** 1984 Summer;6 Suppl:181–3

Histology of congenital nevi during the first year of life. A study by conventional and electron microscopy. Kuehnl-Petzoldt C, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:81–8

Benign nevus (ephelis) of the uterine cervix. Dundore W, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):881–2

Congenital nevi less than or equal to 10 cm as precursors to melanoma. 52 cases, a review, and a new conception. Illig L, et al. **Arch Dermatol** 1985 Oct;121(10):1274–81

A histologic comparison of congenital and acquired nevomelanocytic nevi. Rhodes AR, et al. **Arch Dermatol** 1985 Oct;121(10):1266–73

Neurosarcomatous malignant melanoma arising in a neuroid giant congenital melanocytic nevus. Weidner N, et al. **Arch Dermatol** 1985 Oct;121(10):1302–6

Neurologic manifestations of the organoid nevus syndrome. Clancy RR, et al. **Arch Neurol** 1985 Mar;42(3):236–40

Fine structural characterization of melanosomes in dysplastic nevi. Takahashi H, et al. **Cancer** 1985 Jul 1;56(1):111–23

Precursors to malignant melanoma. National Institutes of Health Consensus Development summary. **Conn Med** 1985 Jan;49(1):22–5

Zosteriform connective-tissue nevus. Kozminsky ME, et al. **Cutis** 1985 Jul;36(1):77–8

Nevus comedonicus of the palm and wrist. Case report with review of five previously reported cases. Harper KE, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 2):185–8

The natural history of nevus sebaceus. Morioka S. **J Cutan Pathol** 1985 Jun–Aug;12(3–4):200–13

Large druse-like lesions on the surface of choroidal nevi. Deutsch TA, et al. **Ophthalmology** 1985 Jan;92(1):73–6

Nevus of Ota with associated palatal involvement. Page DG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Mar;59(3):282–4

Cutaneous adnexal tumors and cysts: a review. Part I. Tumors with hair follicular and sebaceous glandular differentiation and cysts related to different parts of the hair follicle. Massa MC, et al. **Pathol Annu** 1985;20 Pt 2:189–233 (56 ref.)

Extensive sebaceous nevus. Yardeni P, et al. **Plast Reconstr Surg** 1985 Jul;76(1):118–9

[Congenital intradermal cellular nevus] Bourgault A, et al. **Union Med Can** 1985 Feb;114(2):150 **(Fre)**

[Epidermic nevus syndrome of Solomon. Verruco-sebaceous nevus with syringocystadenoma papilliferum and pilomatrixoma] Aloi FG, et al. **G Ital Dermatol Venereol** 1984 Nov–Dec;119(6):401–5 (Eng. Abstr.) **(Ita)**

[Dysplastic nevus: I: Clinical and histological findings] Takahashi H, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Nov; 94(13):1537–46 **(Jpn)**

[Nevus comedonicus] Hernández Aguado I, et al. **Med Cutan Ibero Lat Am** 1984;12(5):439–41 (Eng. Abstr.) **(Spa)**

[Coexistence of lineal verrucous and pigmentocellular nevi] Sanchez-Pedreño P, et al. **Med Cutan Ibero Lat Am** 1984; 12(4):323–5 (Eng. Abstr.) **(Spa)**

[Connective nevus] Orozco MA, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1983;41(3–4):40–3 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Statistics of nevi in 3-year-old Japanese children. Kikuchi I. **J Dermatol (Tokyo)** 1984 Jun;11(3):219–24

NEWARK PUBLIC LIBRA

RADIOGRAPHY

Computed tomography appearances in the linear sebaceous naevus syndrome. Levin S, et al. **Neuroradiology** 1984;26(6):469–72

SURGERY

Congenital nevi. The controversy rages on [editorial] Alper JC. **Arch Dermatol** 1985 Jun;121(6):734–5

Removal of congenital nevocytic nevi [letter] Kopf AW. **Arch Dermatol** 1985 Aug;121(8):967

Argon laser therapy for cutaneous lesions. Craig RD, et al. **Br J Plast Surg** 1985 Apr;38(2):148–55

Good results after shave excision of benign moles [letter] Harrison PV. **J Dermatol Surg Oncol** 1985 Jul;11(7):668, 686

[Radical excision of giant abdominal nevi in infants. Apropos of 3 cases] Marchac D, et al. **Ann Dermatol Venereol** 1985;112(1):43–8 (Eng. Abstr.) **(Fre)**

[Clinical aspects and therapy of lymphangiomas, hemangiomas and nevi in the area of the head and neck] Drepper H. **HNO** 1985 Jul;33(7):293–302 (Eng. Abstr.) **(Ger)**

THERAPY

[Nevi, hemangiomas and lymphangiomas in the head and neck area] **Arch Otorhinolaryngol [Suppl]** 1984;2:55–68 **(Ger)**

ULTRASTRUCTURE

Woolly-hair nevus: a case report and study by scanning electron microscopy. Goldin HM, et al. **Pediatr Dermatol** 1984 Jul;2(1):41–4

[Ultrastructural study of eruptive cellular nevi, with special reference to spherical melanosomes] Sakamoto F, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jul;94(8):927–35 **(Jpn)**

[Clinical, histopathological and ultrastructural characteristics of dysplastic melanocytic nevus in comparison to cutaneous malignant melanoma—II: Ultrastructural characteristics of melanocytes and melanosomes] Takahashi H, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Mar;95(4):455–66 **(Jpn)**

VETERINARY

A congenital vascular naevus in a foal. Jabara AG, et al. **Aust Vet J** 1984 Sep;61(9):286–8

NEVUS, PIGMENTED

Acquired, bilateral nevus of Ota-like macules [letter] Hidano A. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):368–9

Consensus Conference on Precursors to Malignant Melanoma. **J Dermatol Surg Oncol** 1985 May;11(5):537–42

ANALYSIS

Fibronectin in eosinophilic globules of Spitz's nevi. Kamino H, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:313–6

Fat cells in intradermal nevus do not contain S100 protein [letter] Barnhill RL, et al. **Arch Dermatol** 1985 Feb;121(2):169–70

CLASSIFICATION

Phakomatosis pigmentovascularis type IVa. Hasegawa Y, et al. **Arch Dermatol** 1985 May;121(5):651–5

COMPLICATIONS

Polycythemia vera, primary hyperparathyroidism, and dysplastic nevus syndrome: report of a case. Hayne ST, et al. **Am J Clin Pathol** 1985 Apr;83(4):512–6

Lack of association between intraocular melanoma and cutaneous dysplastic nevi. Taylor MR, et al. **Am J Ophthalmol** 1984 Oct 15;98(4):478–82

Insulin dependent diabetes and goitre in a case of hypomelanosis of Ito (Incontinentia Pigmenti Achromians). Ong B, et al. **Ann Acad Med Singapore** 1985 Apr;14(2):317–9

Multiple facial hemangiomas and iron-deficiency anemia: blue rubber-bleb nevus syndrome. Ohishi M, et al. **Head Neck Surg** 1985 Jan–Feb;7(3):249–54

Halo eczema around melanocytic nevi. Brenan J, et al. **Int J Dermatol** 1985 May;24(4):226–9

Nevus of ito with sensory changes. Burge SM, et al. **Int J Dermatol** 1985 May;24(4):239–40

Dysplastic nevus syndrome with multiple primary amelanotic melanomas in oculocutaneous albinism. Pehamberger H, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 2):731–5

Which pigmented moles should be removed in prepubertal-age children? A case for a conservative approach. Keipert JA. **Med J Aust** 1984 Oct 13;141(8):518–20

[Blue rubber bleb nevus syndrome and intussusception—a case report] Pan CH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Oct;83(10):1058–63 (Eng. Abstr.) **(Chi)**

[Malignant degeneration of a congenital giant pigmented nevus] Khutiev TsS, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):122 **(Rus)**

CONGENITAL

Giant congenital nevus as a basis for the development of malignant melanoma. Zielinski A, et al. **Acta Chir Plast** 1985;27(2):98–103

The risk of malignant melanoma arising in congenital melanocytic nevi. An argument against the assignment of risk based on size alone. Rhodes AR. **Am J Dermatopathol** 1984 Summer;6 Suppl:184–8

Estrogen and progesterone receptors in congenital melanocytic nevi. Ellis DL, et al. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):235–44

Management of congenital nevocytic nevi: a survey of current practices. Sweren RJ. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 1):629–34

Congenital smooth muscle hamartoma masquerading as congenital pigmented nevus. Hanke CW, et al. **J Dermatol Surg Oncol** 1985 Jul;11(7):714–7

Childhood malignant nevus giganticus. Mitra S, et al. **J Indian Med Assoc** 1984 Sep;82(9):335–6, 339

The management of congenital nevocytic nevi. **Pediatr Dermatol** 1984 Oct;2(2):143–56

Abdominoplasty in infants for removal of giant congenital nevi: a report of three cases. Marchac D, et al. **Plast Reconstr Surg** 1985 Feb;75(2):155–8

[Encephalocraniocutaneous lipomatosis and linear naevus sebaceus] Schlack HG, et al. **Monatsschr Kinderheilkd** 1985 Apr;133(4):235–7 (Eng. Abstr.) **(Ger)**

[Clinico-developmental study of congenital nevi on a sample of 3,072 newborn infants. I. Features at birth and in the first 2 years] Zina G, et al. **G Ital Dermatol Venereol** 1985 Jan–Feb;120(1):5–15 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Differentiation of melanocytic nevi from malignant melanomas in palms, soles, and nail beds solely by signs in the cornified layer of the epidermis. Kerl H, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:159–60

Nevoid malignant melanoma. Schmoeckel C, et al. **Arch Dermatol Res** 1985;277(5):362–9

Distinguishing cancer and noncancer. Elder DE. **J Invest Dermatol** 1985 Jul;85(1):1–3

Monoclonal antibodies selected to discriminate between malignant melanomas and nevocellular nevi. Ruiter DJ, et al. **J Invest Dermatol** 1985 Jul;85(1):4–8

Pigmented moles in children [letter] Milton GW. **Med J Aust** 1984 Dec 8–22;141(12–13):903

NAME syndrome (nevi, atrial myxoma, myxoid neurofibroma, ephelides): a new and unrecognized subset of patients with cardiac myxoma. Vidaillet HJ Jr, et al. **Minn Med** 1984 Dec;67(12):695–6

Prevention of melanoma by recognition of its precursors [editorial] Fitzpatrick TB, et al. **N Engl J Med** 1985 Jan 10;312(2):115–6

Melanoma masquerading as Spitz nevus following acute lymphoblastic leukemia. Goldes J, et al. **Pediatr Dermatol** 1984 Apr;1(4):295–8

[Diagnosis and operative treatment of nevi and hemangiomas in the area of the head and neck] Staindl O, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Nov;63(11):545–55 (Eng. Abstr.) **(Ger)**

[Blue rubber bleb nevus syndrome from the orthopedic viewpoint] van den Eeden F, et al. **Z Orthop** 1984 Nov–Dec;122(6):860–2 (Eng. Abstr.) **(Ger)**

[Linear pigmented hairy nevus verrucosus] Belova LV. **Vestn Dermatol Venerol** 1985 May;(5):49–50 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Congenital-nevus-like nevi, nevi spili, and café-au-lait spots in patients with malignant melanoma. Kopf AW, et al. **J Dermatol Surg Oncol** 1985 Mar;11(3):275–80

FAMILIAL & GENETIC

High risk of malignant melanoma in melanoma-prone families with dysplastic nevi. Greene MH, et al. **Ann Intern Med** 1985 Apr;102(4):458–65

Vitiligo and melanoma: can genetically abnormal melanocytes result in both vitiligo and melanoma within a single family? Lerner AB, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 1):696–701

IMMUNOLOGY

Analysis of major histocompatibility antigens and the mononuclear cell infiltrate in halo nevi. Bergman W, et al. **J Invest Dermatol** 1985 Jul;85(1):25–9

Antigenic phenotype of pigment cell lesions: a study of melanoma, its precursor lesions and heterogeneity in metastatic melanoma. Ernstoff MS, et al. **J Invest Dermatol** 1985 May;84(5):430–2

METABOLISM

On the occurrence of cysteinyldopa and dopa in melanocytes and benign nevi cells. Falck B, et al. **Scand J Plast Reconstr Surg** 1976;10(3):185–8

[Indices of pigment formation in complex cytomorphological research on human pigmented skin neoplasms] Naleskina LA. **Tsitol Genet** 1985 Mar–Apr;19(2):83–6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The number and distribution of benign pigmented moles (melanocytic naevi) in a healthy British population. MacKie RM, et al. **Br J Dermatol** 1985 Aug;113(2):167–74

Common acquired naevi and the risk of malignant melanoma. Green A, et al. **Int J Cancer** 1985 Mar 15;35(3):297–300

Relationship of nevocytic nevi to sun exposure in dysplastic nevus syndrome. Kopf AW, et al. **J Am Acad Dermatol** 1985 Apr;12(4):656–62

Frequency of moles in a defined population. Cooke KR, et al. **J Epidemiol Community Health** 1985 Mar;39(1):48–52

[The Spitz nevus. Spindle cell and/or epithelioid cell nevus—a clinical analysis of 652 tumors] Gartmann H, et al. **Z Hautkr** 1985 Jan;60(1–2):22–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The histogenesis of acquired melanocytic nevi. Based on a new concept of melanocytic differentiation. Cramer SF. **Am J Dermatopathol** 1984 Summer;6 Suppl:289–98

Identification of cells lining pseudovascular spaces of benign pigmented nevi. Modlin RL, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:25–9

Recurrent Spitz's nevus. Omura EF, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:207–12

Behavior of melanocytic nevi during pregnancy. Sanchez JL, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:89–91

Spongiotic changes in melanocytic nevi. Weedon D, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:257–9

Spitz's nevus in a 'black' child of mixed ancestry. Wells LD, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:271–6

Skin cancer's early warning system. Fraser MC, et al. **Am J Nurs** 1984 Oct;84(10):1232–6

Unusual melanocytic nevi of the conjunctiva. Jakobiec FA, et al. **Am J Ophthalmol** 1985 Jul 15;100(1):100–13

Nodal blue nevi. A study of three cases. Epstein JI, et al. **Am J Surg Pathol** 1984 Dec;8(12):907–15

Lymphatic invasion in Spitz nevi. Howat AJ, et al. **Am J Surg Pathol** 1985 Feb;9(2):125–8

Acquired dysplastic melanocytic nevi and cutaneous melanoma: precursors and prevention. Rhodes AR. **Ann Intern Med** 1985 Apr;102(4):546–8

Becker's nevus coexistent with connective-tissue nevus. Fenske NA, et al. **Arch Dermatol** 1984 Oct;120(10):1347–50

A histopathologic evaluation of nevocellular nevi in pregnancy. Foucar E, et al. **Arch Dermatol** 1985 Mar;121(3):350–4

Prevalence of congenital-nevus-like nevi, nevi spili, and café au lait spots. Kopf AW, et al. **Arch Dermatol** 1985 Jun;121(6):766–9

Epithelioid cell nevus of the iris. Shields JA, et al. **Arch Ophthalmol** 1985 Feb;103(2):235–7

Reverse halo naevus. Paver K, et al. **Australas J Dermatol** 1984 Aug;25(2):80–2

Apocrine cystadenoma arising in a nevus sebaceus of Jadassohn. Campbell JP, et al. **Cutis** 1984 Nov;34(5):510-2

Subungual lentigo maligna. Clouse WE, et al. **Cutis** 1985 Aug;36(2):153–5

Dysplasia, dysplastic melanocytes, dysplastic nevi, the dysplastic nevus syndrome, and the relation between dysplastic nevi and malignant melanomas. Ackerman AB, et al. **Hum Pathol** 1985 Jan;16(1):87–91

A study of tumor progression: the precursor lesions of superficial spreading and nodular melanoma. Clark WH Jr, et al. **Hum Pathol** 1984 Dec;15(12):1147–65

Blue nevus of the uterine cervix. Patel DS, et al. **Hum Pathol** 1985 Jan;16(1):79–86

Seasonal variation in the junctional component of pigmented naevi [letter] Armstrong BK, et al. **Int J Cancer** 1984 Oct 15;34(4):441–2

Fixed-tissue binding of fluorescein-conjugated concanavalin A to malignant melanomas versus nevi. Miller A, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 1):620–4

Myofibroblasts in a collagen nevus detected by electron microscopy. Shelley WB, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 2):917–21

Histologic patterns of congenital nevocytic nevi and implications for treatment. Zitelli JA, et al. **J Am Acad Dermatol** 1984 Sep;11(3):402–9

Blue naevus associated with trichoepithelioma: a report of two cases. Newton JA, et al. **J Cutan Pathol** 1984 Dec;11(6):549–52

Delineation of nevus cell nests in inflammatory infiltrates by immunohistochemical staining for the presence of S100 protein. Penneys NS, et al. **J Cutan Pathol** 1985 Feb;12(1):28–32

Large acquired nevocytic nevi induced by the Koebner phenomenon. Soltani K, et al. **J Cutan Pathol** 1984 Aug;11(4):296–9

Capsule dermatopathology: nevomelanocytic lesions with spindle cell differentiation. Guillen FJ, et al. **J Dermatol Surg Oncol** 1985 Mar;11(3):225–30

Jadassohn's sebaceous nevus. Serpas de López RM, et al. **J Dermatol Surg Oncol** 1985 Jan;11(1):68–72

Epithelial nevi and benign tumors of the skin and their associated systemic conditions. Mehregan AH. **J Dermatol (Tokyo)** 1985 Feb;12(1):10–9

Clear cell acanthoma developing in epidermal nevus. Sawada M, et al. **J Dermatol (Tokyo)** 1984 Jun;11(3):301–4

Transepithelial elimination of nevus cell nests. Yuki N, et al. **J Dermatol (Tokyo)** 1984 Apr;11(2):149–54

Intraoral blue nevus. Review of the literature and a case report. Papanicolaou SJ, et al. **J Oral Med** 1985 Jan-Mar;40(1):32-5

Regional odontodysplasia in epidermal nevus syndrome. Slootweg PJ, et al. **J Oral Pathol** 1985 Mar;14(3):256-62

The changing mole [editorial] Sober AJ. **JAMA** 1985 Mar 15;253(11):1612-3

Acquired precursors of cutaneous malignant melanoma. The familial dysplastic nevus syndrome. Greene MH, et al. **N Engl J Med** 1985 Jan 10;312(2):91-7

Intra-epithelial changes in childhood nevi simulating malignant melanoma. Cullity G. **Pathology** 1984 Jul;16(3):307-11

Anatomy and embryology of the eyelids: a review with special reference to the development of divided nevi. Hamming N. **Pediatr Dermatol** 1983 Jul;1(1):51-8 (43 ref.)

Cerebriform intradermal nevus. Lasser AE. **Pediatr Dermatol** 1983 Jul;1(1):42-4

The cutaneous evolution of nevi in a patient with familial, atypical, multiple-mole melanoma syndrome. Lynch HT, et al. **Pediatr Dermatol** 1985 Jul;2(4):289-93

Iris melanoma. Nevus or malignancy? Kersten RC, et al. **Surv Ophthalmol** 1985 May-Jun;29(6):423-33

[Frontiers of the histopathologic diagnosis of pigmentary nevus/malignant melanoma in children. Apropos of 5 cases] Taieb A, et al. **Ann Pathol** 1984 Sep-Nov;4(4):283-8 (Eng. Abstr.) **(Fre)**

[Epidermal nevus syndrome. A case with oral involvement] Wallach D, et al. **Rev Stomatol Chir Maxillofac** 1984;85(4):311-3 (Eng. Abstr.) **(Fre)**

[Malignant blue nevus in Ota's nevus] Nödl F, et al. **Hautarzt** 1984 Aug;35(8):421-4 (Eng. Abstr.) **(Ger)**

[Benign juvenile melanoma (spindle cell nevus) with atypical manifestations] Stanka F, et al. **Hautarzt** 1985 Feb;36(2):113-5 (Eng. Abstr.) **(Ger)**

[The Spitz nevus. Spindle cell and/or epithelioid cell nevus—a histological analysis of 652 tumors] Gartmann H, et al. **Z Hautkr** 1985 Jan;60(1-2):29-30, 34-6, 39-42 (Eng. Abstr.) **(Ger)**

[Histology of dermabrasion in giant nevi] Tritsch H. **Z Hautkr** 1985 Jan;60(1-2):47-54 (Eng. Abstr.) **(Ger)**

[Woolly hair nevus] Rodrigues JC. **Med Cutan Ibero Lat Am** 1984;12(4):327-30 (Eng. Abstr.) **(Por)**

[Blue nevus of the skin of the lower eyelid and of the conjunctiva of the left eye] Pil'man NI, et al. **Oftalmol Zh** 1984;(3):184-5 **(Rus)**

[Dysplasic nevus syndrome] Macedo NA, et al. **Med Cutan Ibero Lat Am** 1984;12(4):319-22 (Eng. Abstr.) **(Spa)**

[Review of 50 Spitz nevi. Clinicopathologic characteristics] Moreno A, et al. **Med Cutan Ibero Lat Am** 1984;12(5):371-7 (Eng. Abstr.) **(Spa)**

[Coexistence of lineal verrucous and pigmentocellular nevi] Sanchez-Pedreño P, et al. **Med Cutan Ibero Lat Am** 1984;12(4):323-5 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Sinus pericranii and venous angioma in the blue-rubber bleb nevus syndrome. Sherry RG, et al. **AJNR** 1984 Nov-Dec;5(6):832-4

RADIOTHERAPY

Clinical and histological evaluation of portwine stain treatment with a microsecond-pulsed dye-laser at 577 NM. Hulsbergen Henning JP, et al. **Lasers Surg Med** 1984;4(4):375-80

SURGERY

Benign skin tumors [letter] Davies DM. **Br Med J [Clin Res]** 1985 Jul 20;291(6489):217-8

Recurrent dysplastic nevus following shave excision. Duray PH, et al. **J Dermatol Surg Oncol** 1984 Oct;10(10):811-5

Giant congenital melanocytic nevus: quantification of nevus debulking after split-thickness excision. Sagebiel RW, et al. **Pediatr Dermatol** 1984 Oct;2(2):118-23

[Combined use of the dermatome and high-speed fraise in the treatment of a generalized verrucous nevus (Jadassohn)] Breuninger H, et al. **Z Hautkr** 1985 Feb 15;60(4):356-8 (Eng. Abstr.) **(Ger)**

THERAPY

Benign skin tumours [letter] Jones SK, et al. **Br Med J [Clin Res]** 1985 Jun 8;290(6483):1747

ULTRASTRUCTURE

The nature of 'blue nevus' in cystic teratomas of the ovary. An ultrastructural evidence for Schwann cell origin. Kudo M. **Acta Pathol Jpn** 1985 May;35(3):693-8

Dermal Merkel cells in the nevus of Ota and leopard syndrome. Ono T, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 1):245-9

The ultrastructure of conjunctival melanocytic tumors. Jakobiec FA. **Trans Am Ophthalmol Soc** 1984;82:599-752 (206 ref.)

[Becker nevus. A clinico-histologic-electron microscopy study of 39 patients] Panizzon R, et al. **Hautarzt** 1984 Nov;35(11):578-84 (Eng. Abstr.) **(Ger)**

VETERINARY

A giant congenital pigmented nevus in a horse. Calderwood Mays MB, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:325-30

NEWBORN INTENSIVE CARE UNITS see INTENSIVE CARE UNITS, NEONATAL

NEWCASTLE DISEASE

DIAGNOSIS

Virus isolation from tracheal explant cultures and oropharyngeal swabs in attempts to detect persistent Newcastle disease virus infections in chickens. King DJ. **Avian Dis** 1985 Apr-Jun;29(2):297-311

[Serological diagnosis of Newcastle disease using hemagglutination inhibition and ELISA tests. Kinetics of different classes of vaccinal antibodies] Meulemans G, et al. **Zentralbl Veterinarmed [B]** 1984 Oct;31(9):690-700 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

An enzyme-linked immunosorbent assay that measures protective antibody levels to Newcastle disease virus in chickens. Wilson RA, et al. **Avian Dis** 1984 Oct-Dec;28(4):1079-85

Infection of mice with Newcastle disease virus inhibits the T suppressor afferent cell circuit which regulates contact sensitivity to picryl chloride. Dieli F, et al. **Cell Immunol** 1985 Aug;94(1):225-30

[Effect of levamisole on the level of antihemagglutinins, serum sialic acid and lysozyme in the aerosol vaccination of chickens against Newcastle disease] Angelov AT, et al. **Vet Med Nauki** 1984;21(10):63-6 (Eng. Abstr.) **(Bul)**

[Effect of coccidiostats on the quality of the immune response following the vaccination of chickens against Newcastle disease] Boiadzhieva L, et al. **Vet Med Nauki** 1984;21(10):59-62 (Eng. Abstr.) **(Bul)**

OCCURRENCE

[Attempt to design a factorial model of Newcastle disease in poultry in Bulgaria for the period 1970-1979] Elitsina P, et al. **Vet Med Nauki** 1984;21(6):18-27 (Eng. Abstr.) **(Bul)**

PATHOLOGY

Feather abnormalities associated with paramyxovirus-1 pigeon variant in pigeons and chickens. Lemahieu P, et al. **Vet Rec** 1985 Jun 1;116(22):591

PREVENTION & CONTROL

Laboratory evaluation of Newcastle disease vaccination programs for broiler chickens. Giambrone JJ. **Avian Dis** 1985 Apr-Jun;29(2):479-87

Newcastle disease vaccination in Malaysia: application of oil emulsion vaccine. Ernawati R, et al. **Vet Rec** 1984 Oct 6;115(14):352-4

[Newcastle disease virus carrier state after aerosol vaccination against the disease in chickens of various ages] Naneva G. **Vet Med Nauki** 1984;21(10):11-8 (Eng. Abstr.) **(Bul)**

[Newcastle disease virus carrier state following the aerosol immunization of chickens against the disease using different doses of La Sota vaccine] Naneva G. **Vet Med Nauki** 1985;22(1):40-5 (Eng. Abstr.) **(Bul)**

[Histologic and chemical studies of residues in chickens following the administration of an oil emulsion vaccine against Newcastle disease] Jarc H, et al. **Berl Munch Tierarztl Wochenschr** 1984 Sep 1;97(9):325-9 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Infection of fowls with Newcastle disease virus by food contaminated with pigeon faeces. Alexander DJ, et al. **Vet Rec** 1984 Dec 8;115(23):601-2

NEWCASTLE DISEASE VIRUS

[Behavior of Newcastle disease virus in the airborne state. 2. Estimation of aerogenic dissemination] Lutz B, et al. **Zentralbl Veterinarmed [B]** 1984 Jun;31(5):329-37 (Eng. Abstr.) **(Ger)**

[Behavior of Newcastle disease virus in the airborne state. 1. Experimental study of particle binding of the virus] Lutz B, et al. **Zentralbl Veterinarmed [B]** 1984 Jun;31(5):321-8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Differentiation of Newcastle disease virus strains by one-dimensional peptide mapping. Nagy E, et al. **J Virol Methods** 1984 Nov;9(3):227-35

The carboxyterminus of the hemagglutinin-neuraminidase of Newcastle disease virus is exposed at the surface of the viral envelope. Schuy W, et al. **Virus Res** 1984;1(5):415-26

DRUG EFFECTS

[Inhibition of NDV replication by theophylline] Neicheva I, et al. **Vet Med Nauki** 1985;22(3):32-6 (Eng. Abstr.) **(Bul)**

[Restoration of the biological activity of hemagglutinin—neuraminidase in NDV with phospholipids] Vasileva L, et al. **Vet Med Nauki** 1984;21(9):33-7 (Eng. Abstr.) **(Bul)**

[Inactivation of the inductor virus (Newcastle disease virus) during the isolation of porcine leukocyte interferon] Kuznetsov VP, et al. **Antibiot Med Biotekhnol** 1985 Apr;30(4):292-6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Cleavage of mouse ribosomal RNAs by the endonuclease associated with Newcastle disease virus. Rosenbergová M. **Acta Virol (Praha)** 1984 Sep;28(5):353-61

GENETICS

Recovery of host cell protein synthesis during infection with a temperature-sensitive mutant of Newcastle disease virus. Harper DR, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):2049-54

RNA sequence and transcriptional properties of the 3' end of the Newcastle disease virus genome. Kurilla MG, et al. **Virology** 1985 Sep;145(2):203-12

GROWTH & DEVELOPMENT

Antimicrobic effects of Lactobacillus fermentation on edible waste material contaminated with infected carcasses. Shotts EB Jr, et al. **Am J Vet Res** 1984 Nov;45(11):2467-70

Identification of field isolates of infectious bronchitis virus by interference with the La Sota of strain of Newcastle disease virus. Hidalgo H, et al. **Avian Dis** 1985 Apr-Jun;29(2):335-40

IMMUNOLOGY

An enzyme linked immunoassay for estimation of antibodies to Newcastle disease virus strains. Mishra SC, et al. **Acta Virol (Praha)** 1985 Mar;29(2):154-7

Characterization of reference strains of Newcastle disease virus (NDV) and NDV-like isolates by monoclonal antibodies to HN subunits. Ishida M, et al. **Arch Virol** 1985;85(1-2):109-21

Antibody response to Newcastle disease virus given by two different routes as measured by ELISA and hemagglutination-inhibition test and associated tracheal immunity. Marquardt WW, et al. **Avian Dis** 1985 Jan-Mar;29(1):71-9

Use of egg yolk in serological tests (ELISA and HI) to detect antibody to Newcastle disease, infectious bronchitis, and Mycoplasma gallisepticum. Piela TH, et al. **Avian Dis** 1984 Oct-Dec;28(4):877-83

An enzyme-linked immunosorbent assay that measures protective antibody levels to Newcastle disease virus in chickens. Wilson RA, et al. **Avian Dis** 1984 Oct-Dec;28(4):1079-85

Infection of mice with Newcastle disease virus inhibits the T suppressor afferent cell circuit which regulates contact sensitivity to picryl chloride. Dieli F, et al. **Cell Immunol** 1985 Aug;94(1):225-30

Antibodies to Newcastle disease virus in various human diseases. Powell JA, et al. **Int Arch Allergy Appl Immunol** 1985;76(4):331-5

Specificity of antibodies to Newcastle disease virus. Powell JA, et al. **Int Arch Allergy Appl Immunol** 1985;76(4):336-40

Isolation and characterization of monoclonal antibody-resistant mutants of Newcastle disease virus. Samson AC, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):357-61

Influence of Newcastle disease and infectious bronchitis live virus vaccines on immune response against infectious laryngotracheitis live virus vaccine in chickens. Izuchi T, et al. **Nippon Juigaku Zasshi** 1984 Aug;46(4):533-9

Hydrocarbons in hens injected with inactivated oil adjuvant vaccine. Franchini A, et al. **Poult Sci** 1984 Dec;63(12):2504-7

Muscle protein synthesis and growth of two strains of chicks vaccinated for Newcastle disease and infectious bronchitis. Hentges EJ, et al. **Poult Sci** 1984 Sep;63(9):1738-41

Immunosuppressive effects of virulent strain of hemorrhagic enteritis virus in turkeys vaccinated against Newcastle disease. Nagaraja KV, et al. **Poult Sci** 1985 Mar;64(3):588-90

Newcastle disease: what now? [letter] Pattison M. **Vet Rec** 1985 Mar 9;116(10):276

Monoclonal antibodies identify a strain-specific epitope on the HN glycoprotein of Newcastle disease virus strain Australia-Victoria. Iorio RM, et al. **Virus Res** 1984 Oct;1(7):513-25

[Effect of levamisole on the level of antihemagglutinins, serum sialic acid and lysozyme in the aerosol vaccination of chickens against Newcastle disease] Angelov AT, et al. **Vet Med Nauki** 1984;21(10):63-6 (Eng. Abstr.) **(Bul)**

[Effect of coccidiostats on the quality of the immune response following the vaccination of chickens against Newcastle disease] Boiadzhieva L, et al. **Vet Med Nauki** 1984;21(10):59-62 (Eng. Abstr.) **(Bul)**

[Newcastle disease virus carrier state after aerosol vaccination against the disease in chickens of various ages] Naneva G. **Vet Med Nauki** 1984;21(10):11-8 (Eng. Abstr.) **(Bul)**

[Newcastle disease virus carrier state following the aerosol immunization of chickens against the disease using different doses of La Sota vaccine] Naneva G. **Vet Med Nauki** 1985;22(1):40-5 (Eng. Abstr.) **(Bul)**

[Serological diagnosis of Newcastle disease using

EWARK PUBLIC LIBRA

hemagglutination inhibition and ELISA tests. Kinetics of different classes of vaccinal antibodies] Meulemans G, et al. **Zentralbl Veterinarmed [B]** 1984 Oct;31(9):690–700 (Eng. Abstr.) **(Fre)**

[Serological studies of pigeon sera for antibodies against a paramyxovirus isolate and Newcastle disease virus following recovery from paramyxovirus infection and after vaccination with a live and dead vaccine] Baumbach B, et al. **DTW** 1985 Mar 8;92(3):90–2 (Eng. Abstr.) **(Ger)**

[Activation of the alternative complement pathway by Newcastle disease virus. I) Effect of the virus on the complement system in vivo and in vitro] Dieli F, et al. **Boll Soc Ital Biol Sper** 1984 Aug 31;60(8):1599–605 (Eng. Abstr.) **(Ita)**

[Activation of the alternative complement pathway by Newcastle disease virus. II) Effects mediated by infected lymphoid cells in vitro] Salerno A, et al. **Boll Soc Ital Biol Sper** 1984 Aug 31;60(8):1607–11 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Virus isolation from tracheal explant cultures and oropharyngeal swabs in attempts to detect persistent Newcastle disease virus infections in chickens. King DJ. **Avian Dis** 1985 Apr–Jun;29(2):297–311

Isolation of a mesogenic strain of Newcastle disease virus from a hen. Maiti NK, et al. **Vet Rec** 1984 Sep 8;115(10):251

[Isolation, identification and typing of Newcastle disease virus isolates in a chick embryo cell culture] Khadzhiev H. **Vet Med Nauki** 1984;21(10):19–27 (Eng. Abstr.) **(Bul)**

METABOLISM

Gangliosides as paramyxovirus receptor. Structural requirement of sialo-oligosaccharides in receptors for hemagglutinating virus of Japan (Sendai virus) and Newcastle disease virus. Suzuki Y, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1189–99

Intracellular processing of the Newcastle disease virus fusion glycoprotein. Morrison T, et al. **J Virol** 1985 Mar; 53(3):851–7

Intracellular processing of the vesicular stomatitis virus glycoprotein and the Newcastle disease virus hemagglutinin-neuraminidase glycoprotein. Morrison TG, et al. **Virus Res** 1984;1(3):225–39

PATHOGENICITY

Interaction of Newcastle disease virus strains differing in virulence with chicken red blood cell receptors. Rivetz B, et al. **Arch Virol** 1985;85(3–4):231–55

PHYSIOLOGY

A 46-nucleotide promoter segment from an IFN-alpha gene renders an unrelated promoter inducible by virus. Ryals J, et al. **Cell** 1985 Jun;41(2):497–507

Demonstration of endocytosis during Newcastle disease virus infection of chicken embryo cell cultures. Paulsen A, et al. **Trans Kans Acad Sci** 1985 Apr;88(1–2):59–67

NEWS MEDIA RELATIONS see **PUBLIC RELATIONS**

NEWSPAPERS

The role of the press and the medical community in the epidemic of 'mysterious gas poisoning' in the Jordan West Bank. Hefez A. **Am J Psychiatry** 1985 Jul;142(7):833–7

Newspapers and nursing. The print media image of perioperative nurses. Kalisch PA, et al. **AORN J** 1985 Jul; 42(1):30–6, 38–41

Whooping cough vaccination: the case presented by the British national press. Harding CM. **Child Care Health Dev** 1985 Jan–Feb;11(1):21–30

Immunization as depicted by the British national press. Harding CM. **Community Med** 1985 May;7(2):87–98

Science and the media: the boundaries of truth. Winsten JA. **Health Aff (Millwood)** 1985 Spring;4(1):5–23

Forecasting for nursing policy: a news-based image approach. Kalisch BJ, et al. **Nurs Res** 1985 Jan–Feb; 34(1):44–9

What the Ohio print media are saying about today's doctors. Porter S. **Ohio State Med J** 1984 Nov;80(11):784–7

Placement of health promotion columns in suburban newspapers––an analysis. Maloney SK, et al. **Public Health Rep** 1985 Jul–Aug;100(4):368–70

Investigation on sanitary educational level in a population lot by means of a newspaper. Ancuşa M, et al. **Sante Publique (Bucur)** 1984;27(3):241–7

Suicide epidemics and newspaper reporting. Littmann SK. **Suicide Life Threat Behav** 1985 Spring;15(1):43–50

[The periodical press on the heroism of Soviet physicians during World War II] Zhukova LA. **Voen Med Zh** 1984 Oct;(10):10–2 **(Rus)**

NEWTS see **SALAMANDRIDAE**

NIACIN

ADMINISTRATION & DOSAGE

Severity of tenosynovitis in reovirus-infected chickens fed various dietary levels of choline, folic acid, manganese, biotin, or niacin. Cook ME, et al. **Avian Dis** 1984 Jul–Sep; 28(3):562–73

Contrasting effects of unmodified and time-release forms of niacin on lipoproteins in hyperlipidemic subjects: clues to mechanism of action of niacin. Knopp RH, et al. **Metabolism** 1985 Jul;34(7):642–50

[Treatment of primary neuritis of the facial nerve with compresses of dimexide and nicotinic acid] Farber FM. **Zh Nevropatol Psikhiatr** 1984;84(8):1161–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Niacin-induced hepatitis] Tishler M, et al. **Harefuah** 1984 Sep;107(5–6):129–30 (Eng. Abstr.) **(Heb)**

ANALOGS & DERIVATIVES

Disposition of etofibrate, clofibric and nicotinic acid esters, and their products in dogs. Garrett ER, et al. **J Pharm Sci** 1985 Mar;74(3):295–9

ANALYSIS

Thin layer chromatographic identification and quantitation of niacin and niacinamide in pharmaceutical preparations. Sarangi B, et al. **J Assoc Off Anal Chem** 1985 May–Jun; 68(3):547–8

[An automated photometric method for determining niacin and niacinamide content in grain and cereals] Holz F. **Z Lebensm Unters Forsch** 1984 Jul;179(1):29–35 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Niacin, nitrate and pyrazinamide studies using Middlebrook 7H10 Broth. Damato JJ, et al. **Eur J Clin Microbiol** 1984 Dec;3(6):546–9

BLOOD

Determination of nicotinic acid in serum by high-performance liquid chromatography with fluorescence detection. Tsuruta Y, et al. **J Chromatogr** 1984 Aug 10;309(2):309–15

DEFICIENCY

Enteric gliopathy in niacin-deficiency induced by CNS glio-toxin. Aikawa H, et al. **Brain Res** 1985 May 20; 334(2):354–6

A reexamination of the composition of diets associated with pellagra. Carpenter KJ, et al. **J Nutr** 1985 May; 115(5):543–52

Effect of tryptophan and/or casein supplementation on NAD levels in livers of the rats fed on niacin- and protein-free diet. Hayakawa T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Jun;30(3):303–6

Oxidative metabolism and acetylcholine synthesis during acetylpyridine treatment. Gibson GE, et al. **Neurochem Res** 1985 Apr;10(4):453–67

DIAGNOSTIC USE

The nicotinic acid test in constitutional conjugated hyperbilirubinemias and effects of corticosteroid. Ohkubo H, et al. **Hepatology** 1984 Nov–Dec;4(6):1206–8

METABOLISM

Nicotinic acid metabolism. Dimethylmaleate hydratase. Kollmann-Koch A, et al. **Hoppe Seylers Z Physiol Chem** 1984 Aug;365(8):847–57

Thiamin and niacin in the rumen. Brent BE, et al. **J Anim Sci** 1984 Sep;59(3):813–22 (52 ref.)

[Niacin metabolism in the rat after administration of large doses of folic acid] Beraia IG. **Vopr Pitan** 1984 Sep–Oct; (5):36–8 (Eng. Abstr.) **(Rus)**

[Comparative studies on thiamine, pantothenic acid and nicotinic acid metabolism in the digestive system of rats] Stepanova LN, et al. **Vopr Pitan** 1984 Jul–Aug;(4):45–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of dietary niacin supplementation on serum constituents of periparturient dairy cattle. Dufva GS, et al. **Am J Vet Res** 1984 Sep;45(9):1838–41

Glunicate (LG 13979) protects the arterial wall from cholesterol-induced atherosclerotic changes in the rabbit without affecting plasma lipids. Criscuoli M, et al. **Atherosclerosis** 1984 Oct;53(1):59–68

Induction of peroxisomal enzymes and palmitoyl-CoA hydrolase in rats treated with cholestyramine and nicotinic acid. Bakke OM, et al. **Biochem Pharmacol** 1984 Oct 1; 33(19):3077–80

The development of tolerance to antilipolytic agents in rats. Myles DD, et al. **Biochem Pharmacol** 1985 Jan 15; 34(2):269–74

The development of tolerance to antilipolytic agents by isolated rat adipocytes. Stratton GD, et al. **Biochem Pharmacol** 1985 Jan 15;34(2):275–9

Immunomodulatory activity of anti-atherogenic drugs: effects on blastogenesis, humoral response, delayed hypersensitivity and passive anaphylaxis by immune complexes. Rojo JM, et al. **Immunopharmacology** 1985 Apr; 9(2):109–16

Paradoxical effects of pyrazinoate and nicotinate on urate transport in dog renal microvillus membranes. Guggino SE, et al. **J Clin Invest** 1985 Aug;76(2):543–7

Influence of nicotinic acid on cerebroside synthesis in the brain of developing rats. Nakashima Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Dec;30(6):525–34

Nicotinic acid, free fatty acids and myocardial function during coronary occlusion and reperfusion in the dog. Lamping KA, et al. **J Pharmacol Exp Ther** 1984 Dec; 231(3):532–8

Release of disaggregatory prostanoids into circulation by nicotinic alcohol, nicotinic acid and nicotinamide. Swies J, et al. **Pol J Pharmacol Pharm** 1984 Nov–Dec;36(6):653–7

[Citrate influence on acetyl-CoA-carboxylase activation and phosphorylation in chicken liver with lipogenesis inhibited by nicotinic acid.] Fomenko AI, et al. **Ukr Biokhim Zh** 1985 Mar–Apr;57(2):31–6 (Eng. Abstr.) **(Rus)**

[Physico-chemical properties of specific protein kinases during intensification of lipogenesis and treatment with nicotinic acid] Khustochka LN, et al. **Ukr Biokhim Zh** 1985 Jan–Feb;57(1):41–7 (Eng. Abstr.) **(Rus)**

[Phosphorylation of acetyl-CoA-carboxylase in the chicken liver during intensification of lipogenesis and treatment with nicotinic acid] Khustochka LN, et al. **Ukr Biokhim Zh** 1985 May–Jun;57(3):17–21 (Eng. Abstr.) **(Rus)**

[Properties and biosynthesis of acetyl-CoA-carboxylase from chicken liver with administration of nicotinic acid during stimulation of lipogenesis.] Pozharun SV, et al. **Ukr Biokhim Zh** 1985 Mar–Apr;57(2):24–31 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effects of nicotinic acid and its derivatives on lipid metabolism and other metabolic factors related to atherosclerosis. Walldius G, et al. **Adv Exp Med Biol** 1985; 183:281–93

Effect of dietary niacin supplementation on phlorhizin and 1,3-butanediol-induced ketonemia and hypoglycemia in steers. Dufva GS, et al. **Am J Vet Res** 1984 Sep; 45(9):1835–7

Reduced incidence of cardiovascular complications and mortality in hyperlipoproteinemia (HLP) with effective lipid correction. The Dresden HLP study. Hanefeld M, et al. **Atherosclerosis** 1984 Oct;53(1):47–58

Normalization of plasma lipoprotein concentrations in patients with type II hyperlipoproteinemia by combined use of neomycin and niacin. Hoeg JM, et al. **Circulation** 1984 Dec;70(6):1004–11

A case in which treatment proved the diagnosis. McCauley KM, et al. **Geriatrics** 1984 Oct;39(10):114–7

Nicotinic acid: treatment for the hyperchloremic acidosis following urinary diversion through intestinal segments. Koch MO, et al. **J Urol** 1985 Jul;134(1):162–4

Effect of nicotinic acid associated with retinol and tocopherols on plasma lipids in hyperlipoproteinaemic patients. Odetti P, et al. **Pharmatherapeutica** 1984;4(1):21–4

Primary Sjögren's syndrome treated with Efamol/Efavit. A double-blind cross-over investigation. Manthorpe R, et al. **Rheumatol Int** 1984;4(4):165–7

[Regression of experimental cholesterol-induced atherosclerosis in rabbits after stopping the atherogenic diet and after treatment with nicotinic acid] Orbetsova V, et al. **Eksp Med Morfol** 1985;24(1):32–8 (Eng. Abstr.) **(Bul)**

[Metabolic effects of nicotinic acid in different types of experimental vascular pathology in rabbits] Nikulin AA, et al. **Farmakol Toksikol** 1985 May–Jun;48(3):69–74 (Eng. Abstr.) **(Rus)**

[Use of nicotinic acid and midocalm for correcting blood coagulation in patients with radiation edema of the extremities] Chekalina SI, et al. **Med Radiol (Mosk)** 1985 Aug;30(8):28–30 (Eng. Abstr.) **(Rus)**

NIACINAMIDE see **NICOTINAMIDE**

NIALAMIDE

PHARMACODYNAMICS

Study of absorption and retention of nitrogen in fast growing rats––II. Influence of IMAO (nialamide). Barrionuevo M, et al. **Comp Biochem Physiol [C]** 1985;80(2):381–3

Locomotor response of nialamide pretreated old rats to intraaccumbens dopamine. Cousin KM, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):461–8

[Concentration of serum and hepatic transaminases (GOT and (GPT) in rats. Influence of nialamide] Reche A, et al. **Rev Clin Esp** 1984 Oct 15;175(1):37–9 (Eng. Abstr.) **(Spa)**

NICARBAZIN see under **CARBANILIDES**

NICERGOLINE see under **ERGOLINES**

NICERITROL see under **NICOTINIC ACIDS**

NICKEL

Chinese NiTi wire––a new orthodontic alloy. Burstone CJ, et al. **Am J Orthod** 1985 Jun;87(6):445–52

Temperature dependent spectral changes of iron and nickel hemoglobins and their derivatives. Chuknyiski PP, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):721-7

Low temperature magnetic circular dichroism spectroscopy as a probe for the optical transitions of paramagnetic nickel in hydrogenase. Johnson MK, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):220-5

Aluminium in Finn chambers reacts with cobalt and nickel salts in patch test materials. Fischer T, et al. **Contact Dermatitis** 1985 Apr;12(4):200-2

Monovalent nickel in hydrogenase from Chromatium vinosum. Light sensitivity and evidence for direct interaction with hydrogen. van der Zwaan JW, et al. **FEBS Lett** 1985 Jan 7;179(2):271-7

Z-form induction in DNA by carcinogenic nickel compounds: an optical spectroscopy study. Bourtayre P, et al. **IARC Sci Publ** 1984;(53):227-34

Influence of physicochemical properties, methods of preparation and purity of nickel compounds on their biological effects. Dewally D. **IARC Sci Publ** 1984;(53):215-26

Chemical and biological reactivity of insoluble nickel compounds and the bioinorganic chemistry of nickel. Nieboer E, et al. **IARC Sci Publ** 1984;(53):439-58 (66 ref.)

Nickel as a 'newer trace element' in the nutrition of domestic animals. Spears JW. **J Anim Sci** 1984 Sep;59(3):823-35 (95 ref.)

The absolute configuration on the chiral nitrogen atom of proline residue in the metal complexes of oligopeptides. Siemion IZ, et al. **J Inorg Biochem** 1984 Oct;22(2):137-41

A mortality study of 11,500 nickel workers. Shannon HS, et al. **JNCI** 1984 Dec;73(6):1251-8

Snare applying the Ti-Ni shape memory alloy for nasal polypotomy and tonsillectomy. Fujioka M, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):869-71

[Nickel sensitivity in an atopic patient] Rampoldi R, et al. **Med Cutan Ibero Lat Am** 1984;12(5):409-12 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Dietary treatment of nickel dermatitis. Veien NK, et al. **Acta Derm Venereol (Stockh)** 1985;65(2):138-42

Associated cutaneous findings in nickel contact sensitivity. Belda A, et al. **Ann Allergy** 1985 Sep;55(3):501-3

HLA antigens in nickel allergy. Karvonen J, et al. **Ann Clin Res** 1984;16(4):211-2

Nickel sensitivity among patients with contact dermatitis: a study at a Bangkok general hospital. Sunthonpalin P. **Asian Pac J Allergy Immunol** 1983 Jun;1(1):15-8

Isolated late asthmatic reaction due to nickel sulphate without antibodies to nickel. Malo JL, et al. **Clin Allergy** 1985 Mar;15(2):95-9

Nickel allergy: analysis of metal clothing objects and patch testing to metal samples. Cavelier C, et al. **Contact Dermatitis** 1985 Feb;12(2):65-75

False-positive, follicular and irritant patch test reactions to metal salts. Fischer T, et al. **Contact Dermatitis** 1985 Feb;12(2):93-8

Erythema multiforme associated with contact dermatitis. Friedman SJ, et al. **Contact Dermatitis** 1985 Jan;12(1):21-3

Experimental nickel sensitization in the guinea pig: comparison of different protocols. Lammintausta K, et al. **Contact Dermatitis** 1985 May;12(5):258-62

Nickel dermatitis from an infusion needle. Romaguera C, et al. **Contact Dermatitis** 1985 Mar;12(3):181

Dermatitis from nickel eyelash curler. Romaguera C, et al. **Contact Dermatitis** 1985 Mar;12(3):174

Occupational contact with coins in nickel-allergic patients. van Ketel WG. **Contact Dermatitis** 1985 Feb;12(2):108

Chelating effect of EDTA on nickel. van Ketel WG, et al. **Contact Dermatitis** 1984 Nov;11(5):311-4

Contact stomatitis and dermatitis to nickel and palladium. van Loon LA, et al. **Contact Dermatitis** 1984 Nov;11(5):294-7

Allergic contact dermatitis in early infancy. Fisher AA. **Cutis** 1985 Apr;35(4):315-6

Nickel dermatitis in men. Fisher AA. **Cutis** 1985 May;35(5):424-6

Nickel in the human environment. Proceedings of a joint symposium. Lyon, France, 8-11 March 1983. **IARC Sci Publ** 1984;(53):1-530

Mortality patterns among nickel/chromium alloy foundry workers. Cornell RG, et al. **IARC Sci Publ** 1984;(53):87-93

Mortality patterns among stainless-steel workers. Cornell RG. **IARC Sci Publ** 1984;(53):65-71

A retrospective cohort mortality study among workers occupationally exposed to metallic nickel powder at the Oak Ridge Gaseous Diffusion Plant. Cragle DL, et al. **IARC Sci Publ** 1984;(53):57-63

Nickel exposure: a human health hazard. Doll R. **IARC Sci Publ** 1984;(53):3-21

Cancer incidence at a hydrometallurgical nickel refinery. Egedahl R, et al. **IARC Sci Publ** 1984;(53):47-55

Nickel and cancer associations from a multicancer occupation exposure case-referent study: preliminary findings. Gerin M, et al. **IARC Sci Publ** 1984;(53):105-15

Nickel in welding fumes—a cancer hazard to welders? A review of epidemiological studies on cancer in welders. Langård S, et al. **IARC Sci Publ** 1984;(53):95-103 (41 ref.)

Clinical effects of nickel. Norseth T. **IARC Sci Publ** 1984;(53):395-401

Respiratory cancer mortality of Welsh nickel refinery workers. Peto J, et al. **IARC Sci Publ** 1984;(53):37-46

Medical and toxicological aspects of occupational nickel exposure in the Federal Republic of Germany—clinical results (carcinogenicity, sensitization) and preventive measures (biological monitoring). Raithel HJ, et al. **IARC Sci Publ** 1984;(53):403-15

Site-specific cancer mortality among workers involved in the production of high nickel alloys. Redmond CK. **IARC Sci Publ** 1984;(53):73-86

Cancer mortality associated with the high-temperature oxidation of nickel subsulfide. Roberts RS, et al. **IARC Sci Publ** 1984;(53):23-35

Leukocyte procoagulant activity as an in vitro index of nickel contact hypersensitivity. Aldridge RD, et al. **Int Arch Allergy Appl Immunol** 1985;76(4):350-3

Further studies on the lymphocyte transformation test in diagnosis of nickel allergy. Effect of fractionation of lymphocytes into different subpopulations on the basis of density. Nordlind K. **Int Arch Allergy Appl Immunol** 1984;75(4):333-6

Quantization of nickel and beryllium leakage from base metal casting alloys. Covington JS, et al. **J Prosthet Dent** 1985 Jul;54(1):127-36

Cancer of prostate among nickel-cadmium battery workers [letter] Soraham T, et al. **Lancet** 1985 Feb 23;1(8426):459

Occupational nasal cancer caused by nickel and nickel compounds. Torjussen W. **Rhinology** 1985 Jun;23(2):101-5

[Occurrence of nickel contact allergy in randomly selected patients in the Munich area] Schmiel G. **Derm Beruf Umwelt** 1985;33(3):92-5 (Eng. Abstr.) **(Ger)**

[Allergy to chromium, nickel and cobalt in patients with contact dermatitis in the Gdańsk district 1979-1983] Grubska-Suchanek E, et al. **Przegl Dermatol** 1985 Jan-Feb;72(1):37-42 (Eng. Abstr.) **(Pol)**

[Nickel hypersensitivity] Rudzki E, et al. **Przegl Dermatol** 1984 Sep-Oct;71(5):431-5 (Eng. Abstr.) **(Pol)**

[Epidemiology, clinical aspects and treatment of nickel allergy] Legieć C. **Wiad Lek** 1984 Mar 15;37(6):450-5 (46 ref.) (Eng. Abstr.) **(Pol)**

[Nickel allergy—occurrence and treatment] Menné T. **Nord Med** 1984;99(11):279-81 (Eng. Abstr.) **(Swe)**

ANALYSIS

Electrothermal atomic absorption spectrophotometry of nickel in tissue homogenates. Sunderman FW Jr, et al. **Ann Clin Lab Sci** 1985 Jul-Aug;15(4):299-307

A method for the determination of nickel in water and serum by flameless atomic absorption spectrophotometry. Drazniowsky M, et al. **Clin Chim Acta** 1985 Jan 30;145(2):219-26

Amount of nickel applied with a standard patch test. Fischer T, et al. **Contact Dermatitis** 1984 Nov;11(5):285-7

Nickel in tap water. Gammelgaard B, et al. **Contact Dermatitis** 1985 Feb;12(2):123

Electron microprobe in vitro study of interaction of carcinogenic nickel compounds with tumour cells. Berry JP, et al. **IARC Sci Publ** 1984;(53):153-64

Risks of high nickel intake with diet. Nielsen GD, et al. **IARC Sci Publ** 1984;(53):333-8

Analytical chemistry of nickel. Stoeppler M. **IARC Sci Publ** 1984;(53):459-68 (54 ref.)

Occupational exposure to airborne nickel in producing and using primary nickel products. Warner JS. **IARC Sci Publ** 1984;(53):419-37

Nickel-containing hydrogenase isoenzymes from anaerobically grown Escherichia coli K-12. Ballantine SP, et al. **J Bacteriol** 1985 Aug;163(2):454-9

Some properties of the nickel-containing hydrogenase of chemolithotrophically grown Rhizobium japonicum. Harker AR, et al. **J Bacteriol** 1984 Sep;159(3):850-6

Electron paramagnetic resonance studies on the mechanism of activation and the catalytic cycle of the nickel-containing hydrogenase from Desulfovibrio gigas. Teixeira M, et al. **J Biol Chem** 1985 Jul 25;260(15):8942-50

High cadmium and nickel contents in sunflower kernels. Andersen A, et al. **Z Lebensm Unters Forsch** 1984 Nov;179(5):399-40

Nickel content of food and estimation of dietary intake. Flyvholm MA, et al. **Z Lebensm Unters Forsch** 1984 Dec;179(6):427-31 (38 ref.)

[Lead, cadmium and nickel emissions in Berlin (West)] Lahmann E, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1984;59:49-60 **(Ger)**

BLOOD

Studies of nickel absorption in rats using inductively coupled plasma atomic-emission spectrometry and liquid scintillation counting. Hayman PB, et al. **Analyst** 1984 Dec;109(12):1593-5

Nickel concentrations in serum of patients with acute myocardial infarction or unstable angina pectoris. Leach CN Jr, et al. **Clin Chem** 1985 Apr;31(4):556-60

Serum and lymphocyte, aluminum and nickel in chronic renal failure. Wills MR, et al. **Clin Chim Acta** 1985 Jan 30;145(2):193-6

Chloride ion nuclear magnetic resonance spectroscopy probe studies of copper and nickel binding to serum albumins. Mohanakrishnan P, et al. **J Pharm Sci** 1985 Jan;74(1):61-3

Raised serum nickel concentrations in chronic renal failure. Drazniowsky M, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985;21:241-6

HISTORY

[Did Rembrandt have a nickel allergy?] Leyh F. **Hautarzt** 1984 Sep;35(9):472-3 **(Ger)**

IMMUNOLOGY

Immunologic effects of nickel. II. Suppression of natural killer cell activity. Smialowicz RJ, et al. **Environ Res** 1985 Feb;36(1):56-66

HLA-class II restriction of the proliferative T lymphocyte responses to nickel, cobalt and chromium compounds. Al-Tawil NG, et al. **Tissue Antigens** 1985 Mar;25(3):163-72

METABOLISM

In vitro electron microprobe of carcinogenic nickel compound interaction with tumor cells. Berry JP, et al. **Ann Clin Lab Sci** 1985 Mar-Apr;15(2):109-20

Difference circular dichroism studies of copper and nickel binding to D-penicillamine in the presence of human serum albumin. Mohanakrishnan P, et al. **Biochem Pharmacol** 1985 Mar 1;34(5):675-7

The use of electron-paramagnetic-resonance spectroscopy to establish the properties of nickel and the iron-sulphur cluster in hydrogenase from Chromatium vinosum. Albracht SP. **Biochem Soc Trans** 1985 Jun;13(3):582-5

Fluorescence energy transfer between points in G-actin: the nucleotide-binding site, the metal-binding site and Cys-373 residue. Miki M, et al. **Biochim Biophys Acta** 1985 Apr 5;828(2):188-95

In vitro interaction of 63-nickel(II) with chromatin and DNA from rat kidney and liver nuclei. Ciccarelli RB, et al. **Chem Biol Interact** 1985 Jan;52(3):347-60

Copper and nickel binding to canine serum albumin. A circular dichroism study. Mohanakrishnan P, et al. **Comp Biochem Physiol [C]** 1984;79(2):321-3

Recovery of nickel sulphate from a standard patch test. Fischer T, et al. **Contact Dermatitis** 1984 Aug;11(2):134

Nickel penetration in allergic individuals: bioavailability versus X-ray microanalysis detection. Kalimo K, et al. **Contact Dermatitis** 1985 May;12(5):255-7

Is coenzyme M bound to factor F430 in methanogenic bacteria? Experiments with Methanobrevibacter ruminantium. Hüster R, et al. **Eur J Biochem** 1985 Apr 1;148(1):107-11

Environmental nickel pathways to man. Bennett BG. **IARC Sci Publ** 1984;(53):487-95

Molecular basis for the activity of nickel. Ciccarelli RB, et al. **IARC Sci Publ** 1984;(53):201-13

Human exposure to nickel. Grandjean P. **IARC Sci Publ** 1984;(53):469-85 (79 ref.)

Kinetics of nickel and chromium in rats exposed to different stainless-steel welding fumes. Kalliomäki PL, et al. **IARC Sci Publ** 1984;(53):385-93

Cellular binding and/or uptake of nickel(II) ions. Nieboer E, et al. **IARC Sci Publ** 1984;(53):321-31

Nickel metabolism. Sarkar B. **IARC Sci Publ** 1984;(53):367-84 (45 ref.)

Nickel mobilization by sodium diethyldithiocarbamate in nickel-carbonyl-treated mice. Tjälve H, et al. **IARC Sci Publ** 1984;(53):311-20

Scintillation and autoradiographic studies on 63 nickel uptake in Pseudomonas tabaci. Al-Rabaee RH, et al. **J Cell Sci** 1984 Jul;69:87-105

63Ni content of renal parenchyma and nuclei from 63NiCl2-treated rats. Liber CM, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jul;49(1):3-16

Effect of thiuram sulphides on the uptake and distribution of nickel in pregnant and non-pregnant mice. Jasim S, et al. **Toxicology** 1984 Sep 28;32(4):297-313

[Nickel enzymes in metabolism of methanogenic bacteria. Lecture held on the occasion of the Otto Warburg medal on September 18, 1984] Thauer RK. **Biol Chem Hoppe Seyler** 1985 Feb;366(2):103-12 (133 ref.) **(Ger)**

PHARMACODYNAMICS

Increased lipid peroxidation in tissues of nickel chloride-treated rats. Sunderman FW Jr, et al. **Ann Clin Lab Sci** 1985 May-Jun;15(3):229-36

Effects of an acute administration of nickel upon blood glucose compartmentation in pregnant rats. Peligero MJ, et al. **Arch Int Physiol Biochim** 1985 May;93(1):1-5

Effect of Ni2+ on Ca2+-stimulated adenosine triphosphatase in the microsomal fraction of the rat parotid gland in vitro. Ikeda H. **Comp Biochem Physiol [C]** 1985;81(1):7-9

Comparison of in vitro effects of cadmium and nickel on the components of the liver microsomal drug metabolizing enzyme system of the guinea-pig. Işcan M. **Comp Biochem Physiol [C]** 1985;81(1):155-8

A comparative study of the effects of cadmium and nickel on liver microsomal drug metabolizing enzymes of guinea-pig in vitro. Işcan M. **Comp Biochem Physiol [C]** 1984;79(2):429-33

Postsynaptic effects of nickel ions at the insect neuromuscular junction. Miyamoto T, et al. **Comp Biochem Physiol [C]** 1985;81(1):11-7

Estradiol enhances nickel-induced blast transformation. Silvennoinen-Kassinen S, et al. **Contact Dermatitis** 1984

EWARK PUBLIC LIBRAR

Oct;11(4):260-1

Kinetics of renal aspartate reabsorption and its inhibition by metals in the intact rat kidney. Linder G, et al. **Environ Res** 1985 Feb;36(1):241-7

Nickel—an essential element. Anke M, et al. **IARC Sci Publ** 1984;(53):339-65 (98 ref.)

Demonstration of different metal ion-induced calcineurin conformations using a monoclonal antibody. Matsui H, et al. **J Biol Chem** 1985 Apr 10;260(7):4174-9

Effects of nickel ions on the transmembrane action potential of guinea-pig heart preparations. Kecskemeti V, et al. **J Mol Cell Cardiol** 1985 May;17(5):477-84

Effects of external calcium reduction on biphasic potassium contractures and action of divalent cations on the calcium reduction in frog single twitch muscle fibers. Tsutsu-ura M, et al. **Jpn J Physiol** 1984;34(3):485-95

Inhibition of prolactin and growth hormone secretion by nickel. Carlson HE. **Life Sci** 1984 Oct 22;35(17):1747-54

Effect of Ni2+ on the multiphasic positive inotropic responses to histamine mediated by H1-receptors in left atria of guinea pigs. Hattori Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Apr; 329(2):188-94

Dietary administration of nickel: effects on behavior and metallothionein levels. Nation JR, et al. **Physiol Behav** 1985 Mar;34(3):349-53

The selective action of nickel on tubule function in rabbit kidneys. Foulkes EC, et al. **Toxicology** 1984 Dec; 33(3-4):245-9

[Effect of nickel and cadmium at various pH levels on biochemical oxygen demands (BOD5)] Bianucci F, et al. **Nuovi Ann Ig Microbiol** 1984 Jan-Feb;35(1):57-62 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Nickel ions and ischemic coronary vasoconstriction. Rubanyi G, et al. **Bibl Cardiol** 1984;(38):200-8 (30 ref.)

POISONING

Cancer risk of arc welders exposed to fumes containing chromium and nickel. Becker N, et al. **Scand J Work Environ Health** 1985 Apr;11(2):75-82

RADIATION EFFECTS

Monovalent nickel in hydrogenase from Chromatium vinosum. Light sensitivity and evidence for direct interaction with hydrogen. van der Zwaan JW, et al. **FEBS Lett** 1985 Jan 7;179(2):271-7

TOXICITY

Perspectives on the mechanism of nickel carcinogenesis. Costa M, et al. **Adv Inorg Biochem** 1984;6:285-309 (53 ref.)

Nickel acetate-induced mortality in mice of different ages. Hogan GR. **Bull Environ Contam Toxicol** 1985 Mar; 34(3):446-50

Induction of chromosomal damage in Chinese hamster ovary cells by soluble and particulate nickel compounds: preferential fragmentation of the heterochromatic long arm of the X-chromosome by carcinogenic crystalline NiS particles. Sen P, et al. **Cancer Res** 1985 May;45(5):2320-5

Effects of calcium and magnesium salts on nickel subsulfide carcinogenicity in Fischer rats. Kasprzak KS, et al. **Carcinogenesis** 1985 Aug;6(8):1161-66

Effects of nickel sulfate on growth and differentiation of normal human bronchial epithelial cells. Lechner JF, et al. **Carcinogenesis** 1984 Dec;5(12):1697-703

Association between erythrocytosis and renal cancers in rats following intrarenal injection of nickel compounds. Sunderman FW Jr, et al. **Carcinogenesis** 1984 Nov; 5(11):1511-7

Increased incidence of chromosomal aberrations in peripheral lymphocytes of retired nickel workers. Waksvik H, et al. **Carcinogenesis** 1984 Nov;5(11):1525-7

Nickel sensitivity as a complication of squaric acid dibutylester treatment of alopecia areata. Valsecchi R, et al. **Contact Dermatitis** 1985 Apr;12(4):234

Effects of NiO inhalation on alveolar macrophages and the humoral immune systems of rats. Spiegelberg T, et al. **Ecotoxicol Environ Safety** 1984 Dec;8(6):516-25

Biological effects of New Caledonia nickel ore samples on red blood cells, alveolar macrophages and pleural mesothelial cells. Bastie-Sigeac I, et al. **IARC Sci Publ** 1984;(53):301-10

Toxicology of nickel. Camner P, et al. **IARC Sci Publ** 1984;(53):267-76

Mechanism of action of nickel as a carcinogen: needed information. Furst A. **IARC Sci Publ** 1984;(53):245-52 (38 ref.)

Toxicity and transformation potency of nickel compounds in BHK cells in vitro. Hansen K, et al. **IARC Sci Publ** 1984;(53):193-200

Effect of cadmium pretreatment on nickel toxicity. Khandelwal S, et al. **IARC Sci Publ** 1984;(53):293-300

Embryotoxicity and genotoxicity of nickel. Leonard A, et al. **IARC Sci Publ** 1984;(53):277-91 (59 ref.)

Nickel oxide: potential carcinogenicity—a review and further evidence. Longstaff E, et al. **IARC Sci Publ** 1984; (53):235-43 (37 ref.)

Carcinogenicity and mutagenicity of nickel and nickel compounds. Reith A, et al. **IARC Sci Publ** 1984; (53):175-192 (45 ref.)

Effects of nickel compounds in cell culture. Saxholm HJ. **IARC Sci Publ** 1984;(53):165-74 (20 ref.)

Carcinogenicity of nickel compounds in animals. Sunderman FW Jr. **IARC Sci Publ** 1984;(53):127-42

Pathogenicity of inhaled nickel compounds in hamsters. Wehner AP, et al. **IARC Sci Publ** 1984;(53):143-51

Epidemiological approach to nickel carcinogenicity—uses and limitation. Norseth T. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:67-74 (27 ref.)

The acute toxicity and teratogenicity of nickel in pregnant rats. Mas A, et al. **Toxicology** 1985 Apr;35(1):47-57

Biochemical and histological anomalies in the rat hepatic tissue following administration of bichromate and nickel in ionized form. Yawets A, et al. **Toxicology** 1984 Nov; 33(2):145-55

[Dynamics of nickel in the cell] Geppert H, et al. **Z Gesamte Hyg** 1984 Nov;30(11):601-2 (Eng. Abstr.) **(Ger)**

URINE

The optimization of the analysis of 63Ni in urine. Kramer GH. **Health Phys** 1984 Oct;47(4):623-7

Biological monitoring of occupational exposure to nickel. Aitio A. **IARC Sci Publ** 1984;(53):497-505 (48 ref.)

Biological monitoring in nickel refinery workers. Morgan LG, et al. **IARC Sci Publ** 1984;(53):507-20

NICKEL-CHROMIUM ALLOYS see **CHROMIUM ALLOYS**

NICLOFOLAN see under **NITROPHENOLS**

NICLOSAMIDE

PHARMACODYNAMICS

Genetic selection for tolerance to niclosamide and copper in Biomphalara glabrata (Mollusca: Pulmonata). Sullivan JT, et al. **Tropenmed Parasitol** 1984 Sep;35(3):189-92

THERAPEUTIC USE

Niclosamide therapy for tapeworm infections. Pearson RD, et al. **Ann Intern Med** 1985 Apr;102(4):550-1

Treatment of Taenia solium infections. Richards F Jr, et al. **Lancet** 1985 Jun 1;1(8440):1264-5

NICOTINAMIDASE see under **AMIDOHYDROLASES**

NICOTINAMIDE

Secretory, enzymatic, and morphological characterization of rat pancreatic endocrine tumours induced by streptozotocin and nicotinamide. Lenzen S, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):361-8

Stereospecificity for nicotinamide nucleotides in enzymatic and chemical hydride transfer reactions. You KS. **CRC Crit Rev Biochem** 1985;17(4):313-451 (291 ref.)

[Correlation between histological and biochemical findings in 6-aminonicotinamide-induced spinal paralysis of rats and effect of TRH treatment] Kihira T, et al. **Rinsho Shinkeigaku** 1984 Nov;24(11):1108-16 (Eng. Abstr.) **(Jpn)**

[A new solution for blood preservation containing adenine, nicotinamide and phosphates] Agranenko VA, et al. **Gematol Transfuziol** 1985 Feb;30(2):12-8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Anti-arrhythmic effect of changrolin combined with nicotinamide in experimental arrhythmia] Gu CG, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):173-7 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Niacinamide and acanthosis nigricans [letter] Papa CM. **Arch Dermatol** 1984 Oct;120(10):1281

ANALOGS & DERIVATIVES

Effect of 6-aminonicotinamide on renin release in isolated rat kidney: possible role for the pentose pathway. Rostand SG, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F213-9

High-performance liquid chromatographic determination of N1-alkylnicotinamide in urine. Hirayama T, et al. **Anal Biochem** 1985 May 15;147(1):108-13

Oxidation in H2O and D2O of 6-ethyl-5H-dibenz(c,e)azepine and 1-methylnicotinamide by aldehyde oxidase from rabbit liver. Thomas HG, et al. **Arch Biochem Biophys** 1985 Sep;241(2):649-55

Failure of 6-aminonicotinamide in selectively damaging astrocytes in vitro. Huck S, et al. **Arzneimittelforsch** 1985; 35(1A):333-6

Vasodilative effect of nicorandil on coronary artery. Miyazaki Y, et al. **Arzneimittelforsch** 1985;35(2):504-7

Effects of AVS (1,2-bis(nicotinamido)propane) on platelet function and vascular endothelium. Mizukami M, et al. **Arzneimittelforsch** 1984;34(7):764-8

Glunicate (LG 13979) protects the arterial wall from cholesterol-induced atherosclerotic changes in the rabbit without affecting plasma lipids. Criscuoli M, et al. **Atherosclerosis** 1984 Oct;53(1):59-68

NAD (P) H-dependent reduction of nicotinamide N-oxide by an unique enzyme system consisting of liver microsomal NADPH-cytochrome C reductase and cytosolic aldehyde oxidase. Kitamura S, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1117-22

Effect of 6-aminonicotinamide on monoamine oxidase and Na+K+ATPase activity in different regions of rat brain. Mayanil CK, et al. **Biochem Pharmacol** 1984 Oct 1; 33(19):3021-3

Effects of neonatal treatment with 6-aminonicotinamide on basal and isoproterenol-stimulated ornithine decarboxylase activity in cerebellum of the development rat. Morris G, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3281-4

Nicotinamide methylation and its relation to NAD synthesis in rat liver tissue culture. Biochemical basis for the physiological activities of 1-methylnicotinamide. Hoshino J, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):250-8

Enteric gliopathy in niacin-deficiency induced by CNS glio-toxin. Aikawa H, et al. **Brain Res** 1985 May 20; 334(2):354-6

Disparity in the effects of two N-methyl nicotinamides on poly(ADP-ribose) synthetase and macromolecular synthesis in hepatomas. Lea MA, et al. **Cancer Biochem Biophys** 1985 Jun;8(1):1-7

Controlled comparison of the pharmacodynamic effects of nicorandil (SG-75) and isosorbide dinitrate in man. Belz GG, et al. **Eur J Clin Pharmacol** 1984;26(6):681-5

Antiarrhythmic effects of nicorandil on canine cardiac Purkinje fibers. Imanishi S, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct;6(5):772-9

Improved recovery of myocardial segment function following a short coronary occlusion in dogs by nicorandil, a potential new antianginal agent, and nifedipine. Lamping KA, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb; 7(1):158-66

Hemodynamic actions of nicorandil, a new antianginal agent, in the conscious dog. Preuss KC, et al. **J Cardiovasc Pharmacol** 1985 Jul-Aug;7(4):709-14

Stimulation of coronary guanylate cyclase by nicorandil (SG-75) as a mechanism of its vasodilating action. Schmidt K, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(1):43-53

Estimation of renal blood flow by use of endogenous N1-methylnicotinamide in rats. Shim CK, et al. **J Pharmacobiodyn** 1985 Jan;8(1):20-4

Effects of 2-nicotinamidoethyl nitrate on agonist-sensitive Ca++ release and Ca++ entry in rabbit aorta. Hester RK. **J Pharmacol Exp Ther** 1985 Apr;233(1):100-11

Inhibition of glucose reabsorption induced by 6-aminonicotinamide in the rat kidney. Ishihara A, et al. **J Toxicol Sci** 1984 Nov;9(4):353-62

Protective effects of the antianginal agent nicorandil on arachidonate-induced sudden death in rats: comparison with several antianginal agents and cyclooxygenase inhibitors. Sakai K, et al. **Jpn J Pharmacol** 1985 Jan; 37(1):124-8

Inhibitory effect of 6-aminonicotinamide on the renal transport of para-aminohippurate in the rat. Sudo J, et al. **Jpn J Pharmacol** 1984 Dec;36(4):491-8

Potentiation of EPN-induced inhibition of liver microsomal carboxylesterase by addition of liver cytosol from 6-aminonicotinamide-treated, starved rats. Sugiyama S, et al. **Jpn J Pharmacol** 1984 Aug;35(4):433-7

Effectiveness of nicorandil in the preservation of myocardium stressed by transient ischemia and its influence on cardiac metabolism during coronary artery occlusion with subsequent reperfusion: a comparison with isosorbide dinitrate. Korb H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):440-6

Amelioration of ischaemic cerebral oedema by a free radical scavenger, AVS: 1,2-bis(nicotinamido)-propane. An experimental study using a regional ischaemia model in cats. Asano T, et al. **Neurol Res** 1984 Dec;6(4):163-8

Ocular lesions of 6-aminonicotinamide toxicosis in rabbits. Render JA, et al. **Vet Pathol** 1985 Jan;22(1):72-7

[Studies on the biotransformation and anti-ulcer effects of 2-(nicotinoylaminoethanesulfonylamino)pyridine] Tanaka H, et al. **Nippon Yakurigaku Zasshi** 1985 May;85(5):367-78 (Eng. Abstr.) **(Jpn)**

[Antilipolytic activity in vitro of various analogs of nicotinic acid. Structure-activity relationship] García-Mina JM, et al. **Rev Esp Fisiol** 1984 Jun;40(2):177-81 (Eng. Abstr.) **(Spa)**

ANALYSIS

Thin layer chromatographic identification and quantitation of niacin and niacinamide in pharmaceutical preparations. Sarangi B, et al. **J Assoc Off Anal Chem** 1985 May-Jun; 68(3):547-8

[An automated photometric method for determining niacin and niacinamide content in grain and cereals] Holz F. **Z Lebensm Unters Forsch** 1984 Jul;179(1):29-35 (Eng. Abstr.) **(Ger)**

METABOLISM

Nicotinamide methylation and its relation to NAD synthesis in rat liver tissue culture. Biochemical basis for the physiological activities of 1-methylnicotinamide. Hoshino J, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):250-8

Nicotinamide methylation. Tissue distribution, developmental and neoplastic changes. Seifert R, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):259–64

[Donors and receptors of biologically labile methyl groups: characterization with a nicotinamide–trigonelline system] Ciusa W. **Acta Vitaminol Enzymol** 1984;6(4):243–50 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Nicotinamide and other inhibitors of ADP–ribosylation block deoxyglucose uptake in cultured cells. Grunfeld C, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):785–91

Central effects of nicotinamide and inosine which are not mediated through benzodiazepine receptors. Bold JM, et al. **Br J Pharmacol** 1985 Mar;84(3):689–96

Disparity in the effects of two N–methyl nicotinamides on poly(ADP–ribose) synthetase and macromolecular synthesis in hepatomas. Lea MA, et al. **Cancer Biochem Biophys** 1985 Jun;8(1):1–7

Effects of nicotinamide and structural analogs on DNA synthesis and cellular replication of rat hepatoma cells. Lea MA, et al. **Cancer Biochem Biophys** 1984 Sep;7(3):195–202

Radiosensitization effects of nicotinamide on malignant and normal mouse tissue. Jonsson GG, et al. **Cancer Res** 1985 Aug;45(8):3609–14

Promoting effect of nicotinamide on the development of renal tubular cell tumors in rats initiated with diethylnitrosamine. Rosenberg MR, et al. **Cancer Res** 1985 Feb;45(2):809–14

Effect of combined administration of tryptophan with putative tryptophan pyrrolase inhibitors, DL–3–pyridylalanine, allopurinol or nicotinamide, on brain serotonin concentration. Shimeno H, et al. **Chem Pharm Bull (Tokyo)** 1984 Jun;32(6):2353–63

Nicotinamide does not protect islet B–cell metabolism against alloxan toxicity. Sandler S, et al. **Diabetes** 1984 Oct;33(10):937–43

Maturation of human promyelocytic leukemia cells induced by nicotinamide: evidence of a regulatory role for ADP–ribosylation of chromosomal proteins. Lucas DL, et al. **J Cell Physiol** 1984 Nov;121(2):334–40

gamma–Aminobutyric acid modulation of benzodiazepine receptor binding in vitro does not predict the pharmacologic activity of all benzodiazepine receptor ligands. Chweh AY, et al. **Neurosci Lett** 1985 Mar 15;54(2–3):173–7

Release of disaggregatory prostanoids into circulation by nicotinic alcohol, nicotinic acid and nicotinamide. Swies J, et al. **Pol J Pharmacol Pharm** 1984 Nov–Dec;36(6):653–7

[Effect of nicotinamide on atrioventricular conduction in rabbits] Jin WZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):177–81 (Eng. Abstr.) **(Chi)**

[Dependence of ADP–ribosylation of histones of chicken liver nuclei on the intranuclear content of NAD] Muliavko NA, et al. **Biokhimiia** 1984 Oct;49(10):1623–7 (Eng. Abstr.) **(Rus)**

[Interaction in vitro of nicotinamide and diethylnicotinamid (cordiamine) with enzymes of the liver microsomal hydoxylating system in the rat] Bushma MI, et al. **Farmakol Toksikol** 1985 Mar–Apr;48(2):97–100 (Eng. Abstr.) **(Rus)**

[The role of ADP–ribosylation processes in the repair of cytogenetic damage in mammalian cells] Aptikaeva GF, et al. **Radiobiologiia** 1985 Mar–Apr;25(2):155–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Use of nicotinamide and pyridoxal–5–phosphate in the treatment of experimental epilepsy. Kryzhanovskii GN, et al. **Neurosci Behav Physiol** 1985 Mar–Apr;15(2):111–8

Nicotinamide as a radiosensitizer of a C3H mouse mammary adenocarcinoma. Jonsson GG, et al. **Radiother Oncol** 1984 Mar;1(4):349–53

[Use of amopen foaming tablets in treating chronic endometriosis in cows] Elezov G, et al. **Vet Med Nauki** 1984;21(10):75–80 (Eng. Abstr.) **(Bul)**

NICOTINAMIDE–ADENINE DINUCLEOTIDE see NAD

NICOTINAMIDE–ADENINE DINUCLEOTIDE PHOSPHATE see NADP

NICOTINAMIDE MONONUCLEOTIDE

PHARMACODYNAMICS

Degradation of NAD by synaptosomes and its inhibition by nicotinamide mononucleotide: implications for the role of NAD as a synaptic modulator. Snell CR, et al. **J Neurochem** 1984 Dec;43(6):1610–5

NICOTINE

Drugs recently released in Belgium. Harvengt C. **Acta Clin Belg** 1984;39(5):325–7

Does nicotine chewing gum work? [editorial] Raw M. **Br Med J [Clin Res]** 1985 Apr 27;290(6477):1231–2

Nicotine chewing gum [editorial] **Lancet** 1985 Feb 9;1(8424):320–1

Nicotine chewing–gum [letter] Bethell HJ. **Lancet** 1985 May 4;1(8436):1044

Clinical evaluation of mecamylamine for withdrawal from nicotine dependence. Tennant FS Jr, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:239–46

Effects of nicotine chewing gum and follow–up appointments in physician–based smoking cessation. Fagerström KO. **Prev Med** 1984 Sep;13(5):517–27

Nicotine chewing gum [editorial] **S Afr Med J** 1985 Jun 15;67(24):953–4

[Formation of nicotine addiction in mongrel white rats] Khodzhagel'diev T. **Biull Eksp Biol Med** 1984 Nov;98(11):576–8 (Eng. Abstr.) **(Rus)**

[Smoking prevention in primary health care. Nicotine chewing gum is more effective than counseling in breaking the smoking habit] Bäckström I, et al. **Lakartidningen** 1985 May 22;82(21):1967–70 **(Swe)**

ADMINISTRATION & DOSAGE

Nicotine fading as a nonaversive alternative in a broad–spectrum treatment for eliminating smoking. Lando HA, et al. **Addict Behav** 1985;10(2):153–61

Self–efficacy, nicotine–fading/self–monitoring and cigarette–smoking behaviour. Nicki RM, et al. **Behav Res Ther** 1984;22(5):477–85

Cigarette smoking as a risk for cardiovascular disease. Part VI. Compensation with nicotine availability as a single variable. Haley NJ, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):164–70

Nicotine level as a predictor of smoking frequency: a case report. Morrell EM, et al. **Int J Addict** 1984 Dec;19(8):827–32

Changes in peripheral and central catecholaminergic and serotoninergic neurons of rats after acute and subacute administration of nicotine. Dominiak P, et al. **Klin Wochenschr** 1984;62 Suppl 2:76–80

The influence of chronic subcutaneous nicotine administration on aldosterone and corticosterone plasma concentrations and the plasma renin activity. Seifert J, et al. **Klin Wochenschr** 1984;62 Suppl 2:81–5

Nicotine–containing chewing gum [letter] Beran RG. **Med J Aust** 1985 Mar 18;142(6):380

Dental effects of nicotine gum. **Med Lett Drugs Ther** 1984 Oct 26;26(673):98

Measurement issues in cigarette smoking research: basic behavioral and physiological effects and patterns of nicotine self–administration. Henningfield JE. **Natl Inst Drug Abuse Res Monogr Ser** 1983;48:27–38

Analysis of reinforcement by varying smoke component concentrations. Rose JE. **Natl Inst Drug Abuse Res Monogr Ser** 1983;48:39–49

Nicotine chewing gum—an adjunct to smoking cessation. Schuyler M, et al. **Ohio State Med J** 1984 Nov;80(11):763, 769

ADVERSE EFFECTS

Nicotine as a hapten in seborrhoeic dermatitis [letter] Sudan BJ, et al. **Contact Dermatitis** 1984 Sep;11(3):196–7

Psychology and pharmacology in cigarette withdrawal. West RJ. **J Psychosom Res** 1984;28(5):379–86 (33 ref.)

Does switching to an ultra–low nicotine cigarette induce nicotine withdrawal effects? West RJ, et al. **Psychopharmacology (Berlin)** 1984;84(1):120–3

[Smoking and disease] van Arkel WG, et al. **Ned Tijdschr Geneeskd** 1985 Jun 8;129(23):1081–5 **(Dut)**

[Effect of smoking on the erythrocyte system] Michalczak W, et al. **Wiad Lek** 1984 Aug 1;37(15):1191–4 (35 ref.) **(Pol)**

ANALOGS & DERIVATIVES

N–Methylnornicotinium ion, a new in vivo metabolite of R–(+)–nicotine. Sato M, et al. **Drug Metab Dispos** 1985 May–Jun;13(3):348–53

Isolation and analysis of N–oxide metabolites of tertiary amines: quantitation of nicotine–1'–N–oxide formation in mice. Thompson JA, et al. **J Chromatogr** 1985 Jun 14;341(2):349–59

Effects of nicotine, cocaine and some of their metabolites on schedule–controlled responding by beagle dogs and squirrel monkeys. Risner ME, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):113–9

Thyroid hormone concentrations in rats after chronic nicotine metabolite administration. Sepkovic DW, et al. **Proc Soc Exp Biol Med** 1984 Dec;177(3):412–6

ANALYSIS

Cigarette smoking as a risk for cardiovascular disease V: Biochemical parameters with increased and decreased nicotine content cigarettes. Sepkovic DW, et al. **Addict Behav** 1984;9(3):255–63

Intravenous nicotine simulation of passive smoking to estimate dosage to exposed non–smokers. Russell MA, et al. **Br J Addict** 1985 Jun;80(2):201–6

Assessment of smoking behaviour and ventilation with cigarettes of differing nicotine yields. McBride MJ, et al. **Clin Sci** 1984 Dec;67(6):619–31

Measurement of nicotine in building air as an indicator of tobacco smoke levels. Williams DC, et al. **Environ Health Perspect** 1985 May;60:405–10

Estimation of personal exposure to tobacco smoke with a newly developed nicotine personal monitor. Muramatsu M, et al. **Environ Res** 1984 Oct;35(1):218–27

Human smoking patterns and smoke deliveries. Moody PM. **Int J Addict** 1984 Jul;19(4):431–9

Biochemical markers of smoke absorption and self reported exposure to passive smoking. Jarvis M, et al. **J Epidemiol Community Health** 1984 Dec;38(4):335–9

Cigarette smoking and neoplasia of the uterine cervix: smoke constituents in cervical mucus [letter] Sasson IM, et al. **N Engl J Med** 1985 Jan 31;312(5):315–6

Physical indicators of actual tar and nicotine yields of cigarettes. Kozlowski LT. **Natl Inst Drug Abuse Res Monogr Ser** 1983;48:50–61

Maintain levels of nicotine but reduce other smoke constituents: a formula for 'less–hazardous' cigarettes? Robinson JC, et al. **Prev Med** 1984 Sep;13(5):438–45

[Determination of nicotine in breast milk by coupling gas chromatography and mass spectrometry] Ataie M, et al. **Ann Biol Clin (Paris)** 1984;42(6):433–6 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Endogenous material in brain inhibiting [3H]nicotine and [3H]acetylcholine binding. Sershen H, et al. **J Neurosci Res** 1984;12(4):563–9

BLOOD

A sensitive method for the routine determination of plasma nicotine by flame ionization gas–liquid chromatography. Blache D, et al. **Anal Biochem** 1984 Dec;143(2):316–9

Plasma nicotine concentrations from repeated doses of nasal nicotine solution. West RJ, et al. **Br J Addict** 1984 Dec;79(4):443–5

Thiocyanate and nicotine half lives in plasma [letter] Russell MA. **Br Med J [Clin Res]** 1985 Jul 20;291(6489):217

Chewing nicotine gum for 3 months: what happens to plasma nicotine levels? McNabb ME. **Can Med Assoc J** 1984 Sep 15;131(6):589–92

The use of biologic fluid samples in assessing tobacco smoke consumption. Benowitz NL. **Natl Inst Drug Abuse Res Monogr Ser** 1983;48:6–26

[Quantitative analysis of nicotine in the plasma of pregnant and non–pregnant animals by gas chromatography] Gracheva KM, et al. **Gig Sanit** 1984 Aug;(8):60–2 **(Rus)**

METABOLISM

Specific binding and metabolism of (–)– and (+)–[3H]–nicotine in isolated rat hepatocytes and hepatocyte membranes. Abood LG, et al. **Arch Int Pharmacodyn Ther** 1985 Jan;273(1):62–73

Stereospecific in vitro N–methylation of nicotine in guinea pig tissues by an S–adenosylmethionine–dependent N–methyltransferase. Cundy KC, et al. **Biochem Pharmacol** 1985 Jan 15;34(2):281–4

Cytochrome P–450–dependent nicotine oxidation by liver microsomes of guinea pigs. Immunochemical evidence with antibody against phenobarbital–inducible cytochrome P–450. Nakayama H, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2281–6

Nicotine pharmacokinetics and its application to intake from smoking. Feyerabend C, et al. **Br J Clin Pharmacol** 1985 Feb;19(2):239–47

Evaluation of methods to estimate cigarette smoke uptake. Hopkins R, et al. **Clin Pharmacol Ther** 1984 Dec;36(6):788–95

Stereospecific in vivo N–methylation of nicotine in the guinea pig. Cundy KC, et al. **Drug Metab Dispos** 1985 Mar–Apr;13(2):175–85

Evidence of stereospecificity in the in vivo methylation of [14C](+/–)–nicotine in the guinea pig. Cundy KC, et al. **Drug Metab Dispos** 1984 Nov–Dec;12(6):755–9

A comparative study of the disposition of nicotine and its metabolites in three inbred strains of mice. Petersen DR, et al. **Drug Metab Dispos** 1984 Nov–Dec;12(6):725–31

N–Methylnornicotinium ion, a new in vivo metabolite of R–(+)–nicotine. Sato M, et al. **Drug Metab Dispos** 1985 May–Jun;13(3):348–53

Steady–state concentration of cotinine as a measure of nicotine–intake by smokers. Galeazzi RL, et al. **Eur J Clin Pharmacol** 1985;28(3):301–4

Predicting 24 hour metabolite excretion from a single casual urine sample––a new approach. Kapur S, et al. **Indian J Pediatr** 1985 Jan–Feb;52(414):85–7

Structure–activity relationships of some pyridine, piperidine, and pyrrolidine analogues for enhancing and inhibiting the binding of (+/–)–[3H]nicotine to the rat brain P2 preparation. Sloan JW, et al. **J Med Chem** 1985 Sep;28(9):1245–51

Comparative analysis of nicotine–like receptor–ligand interactions in rodent brain homogenate. Larsson C, et al. **J Neurochem** 1985 Jul;45(1):24–31

Biochemical characterization of the nicotinic cholinergic receptors in human brain: binding of (–)–[3H]nicotine. Shimohama S, et al. **J Neurochem** 1985 Aug;45(2):604–10

Nicotinic binding in rat brain: autoradiographic comparison of [3H]acetylcholine, [3H]nicotine, and [125I]–alpha–bungarotoxin. Clarke PB, et al. **J Neurosci** 1985 May;5(5):1307–15

Nicotine binding to brain tissue from drug–naive and nicotine–treated rats. Benwell ME, et al. **J Pharm Pharmacol** 1985 Jun;37(6):405–9

Nicotine renal excretion rate influences nicotine intake during cigarette smoking. Benowitz NL, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):153–5

Comparison of the binding of optically pure (–)– and (+)–

NEWARK PUBLIC LIBR

[3H]nicotine to rat brain membranes. Abood LG, et al. **Neurochem Res** 1985 Feb;10(2):259–67

Autoradiographic localization of [3H]nicotine binding sites in the rat brain. London ED, et al. **Neurosci Lett** 1985 Jan 21;53(2):179–84

Binding differences between nicotine and alpha-bungarotoxin in the rat brain. Nukina I, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jan;47(1):141–4

Comparison of [3H]nicotine and [3H]acetylcholine binding in mouse brain: regional distribution. Sershen H, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jun; 48(3):345–52

PHARMACODYNAMICS

Growth-depressing effects of alcohol and nicotine in two strains of rats. Riesenfeld A. **Acta Anat (Basel)** 1985; 122(1):18–24

Effect of nicotine on passive avoidance behaviour and motoric activity in mice. Nordberg A, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Apr;56(4):337–41

Differential effects of mecamylamine on the nicotine induced changes in amine levels and turnover in hypothalamic dopamine and noradrenaline nerve terminal systems and in the secretion of adenohypophyseal hormones in the castrated female rat. Evidence for involvement of cholinergic nicotine-like receptors. Anderson K, et al. **Acta Physiol Scand** 1984 Apr;120(4):489–98

Superiority of a low-contrast smoking cessation method. Berecz JM. **Addict Behav** 1984;9(3):273–8

Evidence of more rapid stimulus evaluation following cigarette smoking. Edwards JA, et al. **Addict Behav** 1985; 10(2):113–26

The effects of cigarette smoking on pain and anxiety. Pomerleau OF, et al. **Addict Behav** 1984;9(3):265–71

Does prostacyclin synthesis inhibition significantly contribute to nicotine effects on coronary blood flow? Kaijser L, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 13:97–100

Uterine blood flow and catecholamine response to repetitive nicotine exposure in the pregnant ewe. Resnik R, et al. **Am J Obstet Gynecol** 1985 Apr 1;151(7):885–91

Effect of controlled ventilation on renal and splanchnic blood flows during nicotine. Bedran de Castro MT, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H360–5

Nicotine increases heart adenosine release, oxygen consumption, and contractility. Fenton RA, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H463–9

Nicotine stimulation of protein secretion from isolated rat pancreatic acini. Majumdar AP, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):G158–63

Nicotine is a competitive antagonist for H1-receptors in smooth muscles. Ercan ZS, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):24–30

The effects of epinephrine and nicotine on gingival blood flow in the rabbit. Clarke NG, et al. **Arch Oral Biol** 1984; 29(10):789–93

Remarkable substrate-inhibitor properties of nicotine enantiomers towards a guinea pig lung aromatic azaheterocycle N-methyltransferase. Cundy KC, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):312–6

(Met)enkephalin and carboxypeptidase processing enzyme are co-released from chromaffin cells by cholinergic stimulation. Hook VY, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):563–70

Nicotine-stimulated proteins in mouse cells are distinct from heat-shock proteins. Hunt LA, et al. **Biochem J** 1984 Nov 15;224(1):87–92

Nicotine-induced membrane perturbation of intact human granulocytes spin-labeled with 5-doxylstearic acid. Correlation with chemotaxis. Gala D, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):503–10

Nicotine from cigarette smoking enhances clonidine-induced increase of serum growth hormone concentrations in men. Coiro V, et al. **Br J Clin Pharmacol** 1984 Nov;18(5):802–5

Nicotine self-administration in rats. Cox BM, et al. **Br J Pharmacol** 1984 Sep;83(1):49–55

The effects of nicotine on spontaneous contractions of cat urinary bladder in situ. Koley B, et al. **Br J Pharmacol** 1984 Oct;83(2):347–55

Effect of cholinomimetics on the release and uptake of L-[3H] glutamic acid in rat neostriatum. Godukhin OV, et al. **Cell Mol Neurobiol** 1984 Jun;4(2):117–24

Effect of nicotine on AIB transport in the perfused human placenta. Browne MJ, et al. **Contrib Gynecol Obstet** 1985; 13:137–8

Distribution of cerebral metabolic effects of nicotine in the rat. London ED, et al. **Eur J Pharmacol** 1985 Apr 16; 110(3):391–2

Tetrodotoxin-resistant response to nicotine in rabbit bronchial preparation. Takayanagi I, et al. **Eur J Pharmacol** 1984 Sep 17;104(3–4):351–6

Effects of nicotine bitartrate on mucociliary activity. Lindberg S, et al. **Eur J Respir Dis** 1985 Jan;66(1):40–6

The effect of nicotine on blood pressure in the genetically hypertensive mouse. Backer LC, et al. **Experientia** 1984 Dec 15;40(12):1363–4

Action of nicotine on guinea-pig isolated bronchial smooth muscle preparation. Takayanagi I, et al. **Gen Pharmacol** 1984;15(4):349–52

Nicotine-induced respiratory effects of cigarette smoke in dogs. Hartiala JJ, et al. **J Appl Physiol** 1985 Jul;59(1):64–71

Influence of nicotine in cigarette smoke on acute ventilatory responses in awake dogs. Lee LY, et al. **J Appl Physiol** 1985 Jul;59(1):229–36

Comparisons of various salivary parameters in smokers before and after the use of a nicotine-containing chewing gum. Olson BL, et al. **J Dent Res** 1985 May;64(5):826–30

Effects of nicotine on the functions of human polymorphonuclear leukocytes in vitro. Sasagawa S, et al. **J Leukocyte Biol** 1985 May;37(5):493–502

Nicotinic stimulation of [3H]acetylcholine release from mouse cerebral cortical synaptosomes. Rowell PP, et al. **J Neurochem** 1984 Dec;43(6):1593–8

Nerve growth factor treatment enhances nicotine-stimulated dopamine release and increases in cyclic adenosine 3':5'-monophosphate levels in PC12 cell cultures. Baizer L, et al. **J Neurosci** 1985 May;5(5):1176–9

Influence of mecamylamine and atropine on tolerance development to nicotine hypothermia in rats. Horstmann M. **J Pharm Pharmacol** 1984 Nov;36(11):770–1

Kinetics of drug action in disease states XI: effect of nicotine on the pharmacodynamics and pharmacokinetics of phenobarbital and ethanol in rats. Hisaoka M, et al. **J Pharm Sci** 1985 Apr;74(4):412–5

Abuse liability and pharmacodynamic characteristics of intravenous and inhaled nicotine. Henningfield JE, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):1–12

Effects of nicotine, cocaine and some of their metabolites on schedule-controlled responding by beagle dogs and squirrel monkeys. Risner ME, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):113–9

Effects of nicotine on oviducal blood flow and embryo development in the rat. Mitchell JA, et al. **J Reprod Fertil** 1985 May;74(1):71–6

Treatment of genetic hormonal deficiencies by nicotine [letter] Hickey RJ. **JAMA** 1985 Sep 13;254(10):1311–2

Effect of d-nicotine on the l-nicotine-induced increase in gastric acid secretion in rats. Nagata M, et al. **Jpn J Pharmacol** 1985 Feb;37(2):215–7

Influence of nicotine on DNA metabolism. Altmann H, et al. **Klin Wochenschr** 1984;62 Suppl 2:101–4

Acute effects of nicotine on hemodynamic and metabolic parameters of isolated, perfused hearts of guinea pigs and rats. Becker BF, et al. **Klin Wochenschr** 1984;62 Suppl 2:58–66

Compartmentation and hemodynamic effects of nicotine in isolated, perfused guinea pig hearts. Becker BF, et al. **Klin Wochenschr** 1984;62 Suppl 2:67–75

Effects of nicotine and its major metabolites on blood pressure in anaesthetized rats. Dominiak P, et al. **Klin Wochenschr** 1985 Jan 15;63(2):90–2

Influence of nicotine on N-nitrosomethylurea-induced mammary tumors in rats. Habs M, et al. **Klin Wochenschr** 1984;62 Suppl 2:105–8

Microcirculatory effects of nicotine and related alkaloids. Henrich H, et al. **Klin Wochenschr** 1984;62 Suppl 2:92–100

Development of specific tolerance to nicotine infusions in dogs on chronic nicotine treatment. Holtz J, et al. **Klin Wochenschr** 1984;62 Suppl 2:51–7

Effects of nicotine on epithelial nephron cells in culture. Horster M, et al. **Klin Wochenschr** 1984;62 Suppl 2:86–91

Relationship between nicotine-induced seizures and hippocampal nicotinic receptors. Miner LL, et al. **Life Sci** 1985 Jul 8;37(1):75–83

Behavioral and biochemical studies in rats after chronic exposure to nicotine. Abood LG, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:348–55

Exposure to nicotine enhances the behavioral stimulant effect of nicotine and increases binding of [3H]acetylcholine to nicotinic receptors. Ksir C, et al. **Neuropharmacology** 1985 Jun;24(6):527–31

Effects of nicotine on schedule-controlled behaviour. Role of fixed-interval length and modification by mecamylamine and chlorpromazine. White JM, et al. **Neuropharmacology** 1985 Jan;24(1):75–82

[3H]Nicotine binding sites in developing fetal brains in rats. Sugiyama H, et al. **Neurosci Res** 1985 Jun;2(5):387–92

Effect of nicotine on fetal prostacyclin and thromboxane in humans. Ylikorkala O, et al. **Obstet Gynecol** 1985 Jul; 66(1):102–5

Effects of nicotine-containing chewing gum on oral soft and hard tissues: A clinical study. Christen AG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):37–42

Effect of nicotine on basal and bombesin stimulated canine plasma levels of gastrin, cholecystokinin and pancreatic polypeptide. Chowdhury P, et al. **Peptides (Fayetteville)** 1985 Jan–Feb;6(1):127–32

Effects of chronically administered nicotine and saline on motor activity in rats. Cronan T, et al. **Pharmacol Biochem Behav** 1985 May;22(5):897–9

Effect of sex and castration on nicotine-induced activity responses. Cronan T, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):675–7

Pharmacologic characterization of nicotine-induced conditioned place preference. Fudala PJ, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):237–41

Nicotine-induced taste aversion: characterization and preexposure effects in rats. Iwamoto ET, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):527–32

Tolerance, cross-tolerance, and receptors after chronic nicotine or oxotremorine. Marks MJ, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):283–91

A diallel analysis of nicotine-induced hypothermia. Marks MJ, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):953–9

Effects of nicotine on beta-endorphin, alpha MSH, and ACTH secretion by isolated perfused mouse brains and pituitary glands, in vitro. Marty MA, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):317–25

Caffeine and nicotine: differential effects on ambulation, rearing and wheelrunning. Meliska CJ, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):871–5

Biphasic effects of chronic nicotine treatment on hypothalamic immunoreactive beta-endorphin in the mouse. Rosecrans JA, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):141–3

Intravenous self-administration of nicotine: with and without schedule-induction. Slifer BL, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):61–9

Effect of nicotine on drinking and diuresis in septal lesioned rats. Iovino M, et al. **Physiol Behav** 1985 Feb;34(2):307–9

Actions of nicotine on renal function in dogs. Pawlik WW, et al. **Proc Soc Exp Biol Med** 1985 Apr;178(4):585–90

Hemodynamic actions of nicotine on the canine stomach. Pawlik WW, et al. **Proc Soc Exp Biol Med** 1984 Dec; 177(3):447–54

Effects of caffeine and nicotine on open-field exploration. Loke WH, et al. **Psychol Rep** 1984 Oct;55(2):447–51

Development of puffing behavior along burning time of a cigarette––no relation to alveolar inhalation or nicotine delivery of the cigarettes? Buzzi R, et al. **Psychopharmacology (Berlin)** 1985;86(1–2):102–7

Effects of nicotine and d-amphetamine on intracranial self-stimulation in a shuttle box test in rats. Clarke PB, et al. **Psychopharmacology (Berlin)** 1984;84(1):109–14

Nicotine-produced relearning deficit in C57BL/6J and DBA/2J mice. Gilliam DM, et al. **Psychopharmacology (Berlin)** 1985;86(3):291–5

An assessment of the spontaneous activity of rats administered morphine, phencyclidine, or nicotine using automated and observational methods. Iwamoto ET. **Psychopharmacology (Berlin)** 1984;84(3):374–82

Role of training dose in discrimination of nicotine and related compounds by rats. Stolerman IP, et al. **Psychopharmacology (Berlin)** 1984;84(3):413–9

The separate and combined effects of scopolamine and nicotine on human information processing. Wesnes K, et al. **Psychopharmacology (Berlin)** 1984;84(1):5–11

Nicotine has no effect on the metabolism of exogenous arachidonic acid or prostaglandin E2 in isolated perfused rat and hamster lungs. Mänistö J, et al. **Res Commun Chem Pathol Pharmacol** 1984 Nov; 46(2):259–63

Prenatal nicotine exposure increases adrenergic receptor binding in the rat cerebral cortex. Peters DA. **Res Commun Chem Pathol Pharmacol** 1984 Dec; 46(3):307–17

Action of nicotine on the respiratory activity of the diaphragm and genioglossus muscles and the nerves that innervate them. Haxhiu MA, et al. **Respir Physiol** 1984 Aug;57(2):153–69

Potentiation of acetazolamide induced ectrodactyly in Wistar rats by vasoactive agents and physical clamping of the uterus. Ugen KE, et al. **Teratology** 1985 Apr;31(2):273–8

Effect of nicotine and caffeine pretreatment on the gastric mucosal damage induced by aspirin, phenylbutazone, and reserpine in rats. Tariq M, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):268–73

[Pharmacodynamic effects of d-nicotine––Comparison with l-nicotine] Shimada A, et al. **Nippon Yakurigaku Zasshi** 1984 Jul;84(1):1–10 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Is a nicotinic influence involved in denervation-induced depolarization of muscle? Rochel S, et al. **J Neurosci** 1985 Sep;5(9):2331–5

Neuroregulators and the reinforcement of smoking: towards a biobehavioral explanation. Pomerleau OF, et al. **Neurosci Biobehav Rev** 1984 Winter;8(4):503–13 (174 ref.)

POISONING

Nicotine used as emetic by a patient with bulimia [letter] Short DD, et al. **Am J Psychiatry** 1985 Feb;142(2):272

Chronic nicotine ingestion and atrial fibrillation. Stewart PM, et al. **Br Heart J** 1985 Aug;54(2):222–3

Nicotine overdose from a single piece of nicotine gum [letter] Mensch AR, et al. **Chest** 1984 Nov;86(5):801–2

[Poisoning (letter)] Makkinga S. **Tijdschr Diergeneeskd** 1985 Mar 1;110(5):190 (Dut)

THERAPEUTIC USE

Can nicotine control panic attacks? [letter] Brodsky L. **Am J Psychiatry** 1985 Apr;142(4):524

Nicotine chewing gum in general practice [letter] **Br Med J [Clin Res]** 1984 Nov 10;289(6454):1307–8

Placebo controlled trial of nicotine chewing gum in general practice. Jamrozik K, et al. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):794–7

Nicotine chewing gum in general practice: effect of follow up appointments. Marshall A, et al. **Br Med J [Clin Res]** 1985 May 11;290(6479):1397–8

Nicotine: a different approach to treatment of obstructive sleep apnea. Gothe B, et al. **Chest** 1985 Jan;87(1):11–7

Effect of nicotine chewing gum in smoking cessation. A randomized, placebo-controlled, double-blind study. Hjalmarson AI. **JAMA** 1984 Nov 23–30;252(20):2835–8

Nicotine gum to help stop smoking. Hughes JR, et al. **JAMA** 1984 Nov 23–30;252(20):2855–8

Hemidystonia relieved by nicotine [letter] Lees AJ. **Lancet** 1984 Oct 13;2(8407):871

[Nicotine chewing gum (Nicorette)] Tønnesen P, et al. **Ugeskr Laeger** 1985 Apr 15;147(16):1352–3 **(Dan)**

[Individual cure of tobacco smoking with nicotine chewing gum] Tønnesen P, et al. **Ugeskr Laeger** 1984 Jul 30; 146(31):2304–7 (Eng. Abstr.) **(Dan)**

[Nicotine-containing chewing gum for stopping smoking; experiences in a general practice] van Ree JW. **Ned Tijdschr Geneeskd** 1984 Oct 13;128(41):1931–3 (Eng. Abstr.) **(Dut)**

TOXICITY

Effect of various regimens of chronic and acute nicotine exposure on myocardial infarct size in the dog. Sridharan MR, et al. **Am J Cardiol** 1985 May 1;55(11):1407–11

Morphometric and biochemical analysis of adrenal medullary hyperplasia induced by nicotine in rats. Boelsterli UA, et al. **Arch Toxicol** 1984 Dec;56(2):113–6

Nicotine: a precursor for carcinogens. Hoffmann D, et al. **Cancer Lett** 1985 Feb;26(1):67–75

The cumulative scanning electron microscopic changes in baby mouse lungs following prenatal and postnatal exposures to nicotine. Wang NS, et al. **J Pathol** 1984 Oct; 144(2):89–100

Classical genetic analysis of nicotine-induced seizures and nicotinic receptors. Miner LL, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):545–54

Supra-additive toxic interaction of nicotine with antihistamines, and enhancement by the proconvulsant pentylenetetrazole. Sewell RG, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):469–77

Direct effects of nicotine on rabbit preimplantation embryos. Balling R, et al. **Toxicology** 1985 Mar 29;34(4):309–13

[Postnatal development of rat progeny after antenatal nicotine exposure] Sheveleva GA, et al. **Farmakol Toksikol** 1984 Sep–Oct;47(5):85–9 (Eng. Abstr.) **(Rus)**

URINE

A simple, inexpensive urine test of smoking. Peach H, et al. **Thorax** 1985 May;40(5):351–7

NICOTINIC ACID see NIACIN

NICOTINIC ACIDS

[Mercaptopyridinecarboxylic acids. Determination of acidity constants of 6-mercapto-3-pyridinecarboxylic acid] Thunus L, et al. **Ann Pharm Fr** 1984;42(1):43–55 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Evaluation of the efficacy of intrathecal nimodipine in canine models of chronic cerebral vasospasm. Gioia AE, et al. **J Neurosurg** 1985 May;62(5):721–8

[Clinical studies of antimicrobial prophylaxis of recurrent urinary infection in women. Long-term, low-dose pipemidic acid for prophylaxis] Masu C, et al. **Hinyokika Kiyo** 1984 Apr;30(4):529–36 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Renal papillary necrosis in equines. Faulkner LW, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):379–81

Prostaglandins and nicotinate-provoked increase in cutaneous blood flow. Wilkin JK, et al. **Clin Pharmacol Ther** 1985 Sep;38(3):273–7

Anaphylaxis caused by pipemidic acid [letter] Gerber D. **S Afr Med J** 1985 Jun 22;67(25):999

ANALYSIS

Purity assay of niflumic acid by reversed-phase high-performance liquid chromatography. Guechot C, et al. **J Chromatogr** 1984 Nov 2;303(2):440–3

Availability of 6-hydroxynicotinic acid for rapid identification of Pseudomonas aeruginosa and Serratia marcescens. Shiraishi S, et al. **J Chromatogr** 1985 Feb 27; 338(1):51–9

[The application of computer to volumetric analysis of drugs: the assay of weakly acidic water-soluble drugs] Luo GA, et al. **Yao Hsueh Hsueh Pao** 1985 Feb;20(2):146–50 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

[Disorders of tryptophan conversion to nicotinic acid in children with obstructive bronchitis] Korzon M, et al. **Pediatr Pol** 1984 May;59(5):367–72 (Eng. Abstr.) **(Pol)**

BLOOD

Impaired plasma clearance of nicotinic acid and rifamycin-SV in Gilbert's syndrome: evidence of a functional heterogeneity. Gentile S, et al. **Hepatogastroenterology** 1985 Jun;32(3):113–6

DIAGNOSTIC USE

[Nicotinic acid loading test. Its significance in the diagnosis of liver diseases and the mechanism of hyperbilirubinemia] Kato Y. **Nippon Ika Daigaku Zasshi** 1985 Apr;52(2):150–64 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

The isolation of glucose tolerance factors from brewer's yeast and their relationship to chromium. Davies DM, et al. **Biochem Med** 1985 Jun;33(3):297–311

On the nature of the glucose tolerance factor from yeast. Urumow T, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:51–4

METABOLISM

Pharmacokinetics of flunixin meglumine in dogs. Hardie EM, et al. **Am J Vet Res** 1985 Jan;46(1):235–7

Characterization of the binding sites for nimodipine and (-)-desmethoxyverapamil in bovine cardiac sarcolemma. Ruth P, et al. **Eur J Biochem** 1985 Jul 15;150(2):313–22

Clinical pharmacokinetics of nimodipine in normal and impaired renal function. Kirch W, et al. **Int J Clin Pharmacol Res** 1984;4(5):381–4

Skin penetration of nicotinic acid, methyl nicotinate, and butyl nicotinate in the guinea pig—comparison of in vivo and excised skin, and the effects of four dermatologic conditions. Osamura H, et al. **J Dermatol (Tokyo)** 1984 Oct; 11(5):471–81

Nimodipine levels in gerbil brain following parenteral drug administration. Heffez DS, et al. **J Neurosurg** 1985 Oct; 63(4):589–92

Overview on pharmacokinetics of nimodipine in healthy volunteers and in patients with subarachnoid hemorrhage. Rämsch KD, et al. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:74–8

Changes in the affinity of [3H]nimodipine binding sites in the brain upon chlorpromazine treatment and subsequent withdrawal. Ramkumar V, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jun;48(3):463–6

Pharmacokinetics of flunixin meglumine in the cow. Hardee GE, et al. **Res Vet Sci** 1985 Jul;39(1):110–2

[Levels of pipemidic acid in biological fluids and human prostatic tissue. Experimental and clinical study] Gallego Gómez J, et al. **Actas Urol Esp** 1984 Sep–Oct;8(5):395–8 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Role of calcium antagonists in cerebral arterial spasm. Allen GS. **Am J Cardiol** 1985 Jan 25;55(3):149B–153B

Calcium-channel blockers: effects on cerebral blood flow and potential uses for acute stroke. Gelmers HJ. **Am J Cardiol** 1985 Jan 25;55(3):144B–148B (42 ref.)

Effects of flunixin meglumine on blood pressure and fluid compartment volume changes in ponies given endotoxin. Dunkle NJ, et al. **Am J Vet Res** 1985 Jul;46(7):1540–4

Endotoxin-induced hematologic and blood chemical changes in ponies: effects of flunixin meglumine, dexamethasone, and prednisolone. Ewert KM, et al. **Am J Vet Res** 1985 Jan;46(1):24–30

The hemodynamic effects of nimodipine in patients anesthetized for cerebral aneurysm clipping. Stullken EH Jr, et al. **Anesthesiology** 1985 Mar;62(3):346–8

Cerebral vasodilator effects of nimodipine. Haws CW, et al. **Bibl Cardiol** 1984;(38):123–7

Nimodipine and the cerebral circulation. McCalden TA. **Bibl Cardiol** 1984;(38):244–9 (23 ref.)

Effect of 4-(4'-chlorobenzyloxy)benzyl nicotinate (KCD-232) on cholesterol metabolism in rats. Okada K, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3361–7

Effect of 4-(4'-chlorobenzyloxy)benzyl nicotinate (KCD-232) on triglyceride and fatty acid metabolism in rats. Yagasaki K, et al. **Biochem Pharmacol** 1984 Oct 15; 33(20):3151–63

Topical rubefacient ointment: studies on haemostasis. Singer CR, et al. **Br Med J [Clin Res]** 1985 Sep 7;291(6496):634–5

Cross resistance of quinolone derivatives in gram-negative bacteria. Barba D, et al. **Chemioterapia** 1985 Apr;4(2):192–6

Anticonvulsant action in the epileptic gerbil of novel inhibitors of GABA uptake. Löscher W. **Eur J Pharmacol** 1985 Mar 26;110(1):103–8

Are there age and racial differences to methyl nicotinate-induced vasodilatation in human skin? Guy RH, et al. **J Am Acad Dermatol** 1985 Jun;12(6):1001–6

Effects of a novel calcium channel agonist dihydropyridine analogue, Bay k 8644, on pig coronary artery: biphasic mechanical response and paradoxical potentiation of contraction by diltiazem and nimodipine. Dubé GP, et al. **J Cardiovasc Pharmacol** 1985 Mar–Apr;7(2):377–89

Effect of the calcium antagonist nimodipine on local cerebral blood flow and metabolic coupling. Mohamed AA, et al. **J Cereb Blood Flow Metab** 1985 Mar;5(1):26–33

Nimodipine has an inhibitory action on neurotransmitter release from human cerebral arteries. Porter ID, et al. **J Cereb Blood Flow Metab** 1985 Jun;5(2):338–42

Increase in rat spinal cord blood flow with the calcium channel blocker, nimodipine. Guha A, et al. **J Neurosurg** 1985 Aug;63(2):250–9

Implications of nimodipine prophylaxis of cerebral vasospasm on anesthetic management during intracranial aneurysm clipping. Stullken EH Jr, et al. **J Neurosurg** 1985 Feb; 62(2):200–5

Nimodipine and inhibition of alpha adrenergic activation of the isolated canine saphenous vein. Cooke JP, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):598–602

Nimodipine's interactions with other drugs: I. Ethanol. Isaacson RL, et al. **Life Sci** 1985 Jun 10;36(23):2195–9

Effect of KCD-232, a new hypolipidemic agent, on serum lipoprotein changes in hepatoma-bearing rats. Irikura T, et al. **Lipids** 1985 Jul;20(7):420–4

The effect of pipemidic acid on the growth of a stable L-form of Staphylococcus aureus. Yabu K, et al. **Microbiol Immunol** 1984;28(9):1057–64

Simultaneous measurement of toxicity and mutagenic activity. Lojo MM, et al. **Mutat Res** 1985 Aug;143(4):201–5

Comparison of the anticonvulsant effects of two novel GABA uptake inhibitors and diazepam in amygdaloid kindled rats. Schwark WS, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):367–71

Acute effects of nimodipine on the cerebral blood flow and intracranial pressure. Gaab MR, et al. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:93–9

Pharmacology of nimodipine, a calcium antagonist with preferential cerebrovascular activity. Kazda S. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:70–3

Influence of nimodipine on cardiovascular parameters during coronary surgery. von Bormann B, et al. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:79–83

The calcium antagonist nimodipine increases beta-endorphin release from rat hypophysis through an action on adrenal glands. An 'in vivo' and 'in vitro' study. Costa G, et al. **Pharmacol Res Commun** 1984 Oct;16(10):959–68

Flunixin inhibits prostaglandin E2 production in equine inflammation. Lees P, et al. **Res Vet Sci** 1984 Nov; 37(3):347–9

[Effect of sorbinicate on blood proteins and platelet aggregation in patients with coronary disease] Bonfiglioli D, et al. **Clin Ter** 1984 Jul 31;110(2):111–8 (Eng. Abstr.) **(Ita)**

[Dependence of ADP-ribosylation of histones of chicken liver nuclei on the intranuclear content of NAD] Muliavko NA, et al. **Biokhimiia** 1984 Oct;49(10):1623–7 (Eng. Abstr.) **(Rus)**

[Effect of the calcium antagonists nifedipine and nimodipine on the cerebral circulation] Alborch E, et al. **Rev Esp Cardiol** 1985 May–Jun;38(3):163–9 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Flunixin meglumine attenuation of endotoxin-induced damage to the cardiopulmonary vascular endothelium of the pony. Turek JJ, et al. **Am J Vet Res** 1985 Mar; 46(3):591–6

Nimodipine improves outcome when given after complete cerebral ischemia in primates. Steen PA, et al. **Anesthesiology** 1985 Apr;62(4):406–14

Gastroprotective effects of morniflumate, an esterified anti-inflammatory drug. Schiantarelli P, et al. **Arzneimittelforsch** 1984;34(8):885–90

The effects on lipids, blood viscosity and platelet aggregation of combined use of niceritrol (Perycit) and a low dose of acetylsalicylic acid. Hamazaki T, et al. **Atherosclerosis** 1985 Apr;55(1):107–13

Efficacy of nimodipine in the prophylaxis of migraine. Havanka-Kanniainen H, et al. **Cephalalgia** 1985 Mar; 5(1):39–43

Outcome in 60 consecutive patients treated with early aneurysm operation and intravenous nimodipine. Ljunggren B, et al. **J Neurosurg** 1984 Nov;61(5):864–73

Therapeutic evaluation of pipemidic acid (R-Urexin) in urinary tract infection. A preliminary report. Kamran MA, et al. **JPMA** 1984 Aug;34(8):235–8

Preventive nimodipine and acute aneurysm surgery. Heading for the control of complications after aneurysmal subarachnoid hemorrhage. Auer LM. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:87–92

Immediate postangiographic intraarterial treatment of cerebral vasospasm after subarachnoid hemorrhage with nimodipine. Report on 3 cases. Böker DK, et al. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:118–20

Early aneurysm operation and vasospasm. Intracranial Doppler findings. Gilsbach JM, et al. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:100–2

Clinical experience with nimodipine in the prophylaxis of neurological deficits after subarachnoid hemorrhage. Kazner E, et al. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:110–3

Nimodipine treatment of ischemic neurological deficits due to cerebral vasospasm after subarachnoid hemorrhage. Clinical results of a multicenter study. Koos WT, et al. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:114–7

Treatment of cerebral vasospasm following severe head injury with the calcium influx blocker nimodipine. Kostron H, et al. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:103–9

Blood pressure and heart rate during treatment with nimodipine in patients with subarachnoid hemorrhage. Tettenborn D, et al. **Neurochirurgia (Stuttg)** 1985 May;28 Suppl 1:84–6

Nimodipine and chronic vasospasm in monkeys: Part 2. Pharmacological studies of vessels in spasm. Krueger C, et al. **Neurosurgery** 1985 Feb;16(2):137–40

Nimodipine and chronic vasospasm in monkeys: Part 1. Clinical and radiological findings. Nosko M, et al. **Neurosurgery** 1985 Feb;16(2):129–36

[Clinical trial of drugs for treating urological

NEWARK PUBLIC LIBRAR

infections—pipemidic acid] Belovezhdov N, et al. **Vutr Boles** 1985;24(2):61-5 (Eng. Abstr.) **(Bul)**

[Hemodynamic changes in infusion with nimodipine] Boldt J, et al. **Anaesthesist** 1985 May;34(5):229-35 (Eng. Abstr.) **(Ger)**

[Calcium blockers in the therapy of vertebrobasilar insufficiency. Results of animal experiments and clinical studies] Hofferberth B. **Fortschr Med** 1984 Jul 26; 102(27-28):725-8 (Eng. Abstr.) **(Ger)**

[Effect of the Ca antagonist nimodipine on global and regional cerebrovascular circulation] Gaab MR, et al. **Klin Wochenschr** 1985 Jan 2;63(1):8-15 (Eng. Abstr.) **(Ger)**

[Hemodynamic effects of the new calcium antagonist nimodipine in normal and increased blood pressure] Engberding R, et al. **Z Kardiol** 1984 Aug;73(8):498-503 (Eng. Abstr.) **(Ger)**

[Use of ciclonicate in the treatment of obliterative arteriopathies of the lower limbs] Licata G, et al. **Clin Ter** 1985 Mar 31;112(6):503-13 (Eng. Abstr.) **(Ita)**

[Antibacterial activity of norfloxacin and pipemidic acid in a randomized double-blind study] Zerqueni G, et al. **Minerva Urol Nefrol** 1984 Jul-Sep;36(3):247-51 (Eng. Abstr.) **(Ita)**

[Comparative studies of DL-8280 and pipemidic acid in complicated urinary tract infections by double-blind method] Kishi H, et al. **Hinyokika Kiyo** 1984 Sep; 30(9):1307-55 (Eng. Abstr.) **(Jpn)**

[Clinical effectiveness of pipemidic acid on gonorrhoeal urethritis] Yasumoto R, et al. **Hinyokika Kiyo** 1985 Jan; 31(1):193-6 (Eng. Abstr.) **(Jpn)**

[Comparison of clinical usefulness of enoxacin (ENX, AT-2266) and pipemidic acid (PPA) in the treatment of acute infectious diarrhea by a double-blind method. The Japan Research Committee of Enoxacin Research Group for Acute Infectious Diarrhea] Hashimoto H, et al. **Kansenshogaku Zasshi** 1984 Oct;58(10):1114-34 (Eng. Abstr.) **(Jpn)**

[Comparison of clinical efficacy of ofloxacin COFLX: DL-8280) and pipemidic acid (PPA) in acute infectious diarrhea by a double-blind method. The Japan Research Committee of Ofloxacin, Research Group for Acute Infectious Diarrhea] Saito M, et al. **Kansenshogaku Zasshi** 1984 Oct;58(10):965-81 (Eng. Abstr.) **(Jpn)**

[Experimental nephrotic hyperlipidemia induced in rats by daunorubicin and effects of KCD-232[4-(4'-chlorobenzyloxy)benzyl nicotinate] on lipid metabolism] Okada K, et al. **Nippon Yakurigaku Zasshi** 1985 May;85(5):347-56 (Eng. Abstr.) **(Jpn)**

[Palin in the treatment of refractory urinary tract infections after suprapubic surgery of prostatic adenoma] Musierowicz A, et al. **Wiad Lek** 1984 Oct 15;37(20):1593-7 (Eng. Abstr.) **(Pol)**

[Effect of litonit and teturam on the course of biochemical processes in infectious inflammatory lesions of the kidneys in alcoholized animals] Kostev FI. **Biull Eksp Biol Med** 1985 Jun;99(6):661-3 (Eng. Abstr.) **(Rus)**

URINE

The role of column switching in analysing complex samples. Little CJ, et al. **Int J Environ Anal Chem** 1984;18(1-2):11-23

NICOTINIC AGENTS see **GANGLIONIC STIMULANTS**

NICOTINIC RECEPTORS see **RECEPTORS, NICOTINIC**

NICOTINYL ALCOHOL see under **PYRIDINES**

NICOUMALONE see **ACENOCOUMAROL**

NICTITATING MEMBRANE

INNERVATION

The oculomotor nucleus, not the abducent, innervates the muscles which advance the nictitating membrane in birds. Bravo H, et al. **Acta Anat (Basel)** 1985;122(2):99-104

METABOLISM

An in vivo model for dissociating alpha 2-and DA2-adrenoceptor activity in an ocular adnexa: utility of the cat nictitating membrane preparation. Potter DE, et al. **Curr Eye Res** 1984 Nov;3(11):1289-98

PHYSIOLOGY

The role of the extraocular muscles in the rabbit nictitating membrane response: a re-examination. Berthier NE. **Behav Brain Res** 1984 Oct;14(1):81-4

Modification of blood pressure and nictitating membrane response to sympathetic amines by selective monoamine oxidase inhibitors, types A and B, in the cat. Finberg JP, et al. **Br J Pharmacol** 1985 Jun;85(2):541-6

Inhibitory effects of alpha, beta-methylene ATP on nerve-mediated contractions of the nictitating membrane in reserpinised cats. Duval N, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):373-7

Cochlear nucleus, inferior colliculus, and medial geniculate responses during the behavioral detection of threshold-level auditory stimuli in the rabbit. Kettner RE, et al. **J Acoust Soc Am** 1985 Jun;77(6):2111-27

Accessory abducens nucleus and conditioned eye retraction/nictitating membrane extension in rabbit. Disterhoft JF, et al. **J Neurosci** 1985 Apr;5(4):941-50

Relationship between heterosynaptic reflex facilitation and acquisition of the nictitating membrane response in control and scopolamine-injected rabbits. Harvey JA, et al. **J Neurosci** 1985 Mar;5(3):596-602

SURGERY

Surgical correction of third eyelid prolapse in dogs. Kaswan RL, et al. **J Am Vet Med Assoc** 1985 Jan 1;186(1):83

NIDATION see **OVUM IMPLANTATION**

NIDDM see **DIABETES MELLITUS, NON-INSULIN-DEPENDENT**

NIEMANN-PICK DISEASE

DIAGNOSIS

Placental ultrasonographic biochemical and histochemical studies in human fetuses affected with Niemann-Pick disease type A. Schoenfeld A, et al. **Placenta** 1985 Jan-Feb; 6(1):33-43

[Niemann-Pick disease in a 2-month-old infant] Iwańska K, et al. **Przegl Lek** 1984;41(7):501-2 **(Pol)**

ENZYMOLOGY

Effects of dimethylsulfoxide on sphingomyelinase in cultured human fibroblasts and correction of sphingomyelinase deficiency in fibroblasts from Niemann-Pick patients. Sakuragawa N, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):756-62

Immunological studies on lysosomal sphingomyelinase: identification of a 28 000-Da component deficient in urine from patients with Niemann-Pick disease types A and B. Schram AW, et al. **Biosci Rep** 1984 Dec;4(12):1051-7

Molecular forms of sphingomyelinase and non-specific phosphodiesterases in Epstein-Barr virus-transformed lymphoid cell lines from Niemann-Pick disease types A and B. Levade T, et al. **Eur J Biochem** 1985 Jun 3; 149(2):405-9

New tools for the study of Niemann-Pick disease: analogues of natural substrate and Epstein-Barr virus-transformed lymphoid cell lines. Levade T, et al. **Pediatr Res** 1985 Jan; 19(1):153-7

Studies on the activation of sphingomyelinase activity in Niemann-Pick type A, B, and C fibroblasts: enzymological differentiation of types A and B. Poulos A, et al. **Pediatr Res** 1984 Nov;18(11):1088-93

METABOLISM

Studies on a sphingolipid activator protein (SAP-2) in fibroblasts from patients with lysosomal storage diseases, including Niemann-Pick disease Type C. Fujibayashi S, et al. **Clin Chim Acta** 1985 Mar 15;146(2-3):147-56

Biochemical studies in Niemann-Pick disease. III. In vitro and in vivo assays of sphingomyelin degradation in cultured skin fibroblasts and amniotic fluid cells for the diagnosis of the various forms of the disease. Vanier MT, et al. **Clin Genet** 1985 Jan;27(1):20-32

Liver findings in Niemann-Pick disease type C. Elleder M, et al. **Histochem J** 1984 Nov;16(11):1147-70

Juvenile dystonic lipidosis (variant of Niemann-Pick disease type C). Martin JJ, et al. **J Neurol Sci** 1984 Oct;66(1):33-45

PATHOLOGY

Adrenal changes in Niemann-Pick disease: differences between sphingomyelinase deficiency and type C. Elleder M, et al. **Acta Histochem (Jena)** 1985;76(2):163-76

Niemann-Pick disease type C. Study on the nature of the cerebral storage process. Elleder M, et al. **Acta Neuropathol (Berl)** 1985;66(4):325-36

Sphingomyelin lipidosis in a cat: Golgi studies. Walkley SU, et al. **Acta Neuropathol (Berl)** 1984;65(2):138-44

Niemann-Pick disease—type C. Ocular histopathologic and electron microscopic studies. Palmer M, et al. **Arch Ophthalmol** 1985 Jun;103(6):817-22

NIFEDIPINE

Intrapulmonary shunting during deliberate hypotension with nifedipine, diltiazem and labetalol in dogs. Casthely PA, et al. **Can Anaesth Soc J** 1985 Mar;32(2):119-23

[Solid dispersion obtained from nifedipine and enteric coating agents. I. Dissolution behavior] Hasegawa A, et al. **Yakugaku Zasshi** 1984 May;104(5):485-9 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Sublingual nifedipine: acute effects in severe chronic congestive heart failure secondary to idiopathic dilated cardiomyopathy. Miller AB, et al. **Am J Cardiol** 1985 May 1;55(11):1359-62

Treatment of arterial hypertension with nifedipine in patients with chronic renal insufficiency. Ambroso GC, et al. **Clin Nephrol** 1985 Jan;23(1):41-5

Effects of BAY 1 5240, a fixed combination of low dose nifedipine and acebutolol on hypertension: comparison with standard dose nifedipine. Lejeune P, et al. **Eur J Clin Pharmacol** 1985;28(1):17-21

Intravenous streptokinase and oral nifedipine in evolving myocardial infarction—a pilot study. Chopra KL, et al. **Indian Heart J** 1984 Nov-Dec;36(6):347-51

Evaluation of the efficacy of slow-release nifedipine in systemic hypertension by ambulatory intraarterial blood pressure monitoring. Bonaduce D, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb;7(1):145-51

Antihypertensive and metabolic effects of long-term therapy with nifedipine slow-release tablets. Landmark K. **J Cardiovasc Pharmacol** 1985 Jan-Feb;7(1):12-7

Sublingual captopril versus nifedipine in hypertensive crises [letter] Opie LH, et al. **Lancet** 1985 Sep 7;2(8454):555

Angina after aortocoronary bypass grafting: combined medical therapy including nifedipine. Hanger KH Jr, et al. **South Med J** 1985 Aug;78(8):924-7

[Effect of a combined use of propranolol and nifedipine on experimental myocardial infarct size] Wu GL, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):342-5 (Eng. Abstr.) **(Chi)**

[Therapeutic effectiveness of the transdermal system with nitroglycerin in comparison with nifedipine] Wester HA, et al. **Z Kardiol** 1984 Aug;73(8):510-4 (Eng. Abstr.) **(Ger)**

[Nifedipine drops in the treatment of hypertensive emergencies] Derchi G, et al. **Clin Ter** 1985 Feb 28; 112(4):339-44 (Eng. Abstr.) **(Ita)**

[Combined therapy of nitroglycerin and nifedipine in myocardial revascularization] Murakami S, et al. **Rinsho Kyobu Geka** 1984 Sep;4(5):581-6 (Eng. Abstr.) **(Jpn)**

[Long-term use of anti-angina preparations and the development of drug tolerance] Metelitsa VI. **Klin Med (Mosk)** 1985 Feb;63(2):27-33 **(Rus)**

[Use of beta-blockers and a calcium antagonist in angina pectoris during the period of postinfarct rehabilitation] Urbaniuk KG, et al. **Klin Med (Mosk)** 1984 Jul;62(7):36-9 (Eng. Abstr.) **(Rus)**

[Combination of nifedipine and diltiazem in refractory coronary spasm. Evaluation by provocation tests] Malpartida F, et al. **Rev Esp Cardiol** 1985 May-Jun; 38(3):170-6 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Safety of acute calcium antagonist withdrawal: studies in patients with unstable angina withdrawn from nifedipine. Gottlieb SO, et al. **Am J Cardiol** 1985 May 17; 55(12):27E-30E

Nifedipine-induced periorbital edema. Tordjman K, et al. **Am J Cardiol** 1985 May 1;55(11):1445

Nifedipine-induced renal dysfunction. Alterations in renal hemodynamics. Diamond JR, et al. **Am J Med** 1984 Nov; 77(5):905-9

Therapy for stable angina pectoris [letter] Hansen ME. **Am J Med** 1984 Nov;77(5):A92, A94

Deleterious effect of nifedipine on pulmonary gas exchange in chronic obstructive pulmonary disease. Melot C, et al. **Am Rev Respir Dis** 1984 Oct;130(4):612-6

Syncope and conduction disturbances following sublingual nifedipine for hypertension. Zangerle KF, et al. **Ann Emerg Med** 1985 Oct;14(10):1005-6

Dysosmia, dysgeusia, and nifedipine [letter] Levenson JL, et al. **Ann Intern Med** 1985 Jan;102(1):135-6

Intraoperative coronary artery spasm [letter] Lough FC. **Ann Thorac Surg** 1985 Mar;39(3):293

Nifedipine and esophageal dysfunction in progressive systemic sclerosis. A controlled manometric study. Kahan A, et al. **Arthritis Rheum** 1985 May;28(5):490-5

Hypotension and sinus arrest with nifedipine in pulmonary hypertension. Aromatorio GJ, et al. **Chest** 1985 Feb; 87(2):265-7

Potentiation by nifedipine and diltiazem of the hypotensive response after contrast angiography. Morris DL, et al. **J Am Coll Cardiol** 1985 Oct;6(4):785-91

Nifedipine-induced psychosis [letter] Sandyk R, et al. **J Am Geriatr Soc** 1985 Feb;33(2):154

Nifedipine-induced gingival hyperplasia. A histochemical and ultrastructural study. Lucas RM, et al. **J Periodontol** 1985 Apr;56(4):211-5

Nifedipine-induced hypotension and myocardial ischemia in refractory angina pectoris. Boden WE, et al. **JAMA** 1985 Feb 22;253(8):1131-5

Nifedipine-induced hypotension and myocardial ischemia in refractory angina pectoris [letter] Sachs R. **JAMA** 1985 Sep 6;254(9):1175

Adverse effect of nifedipine on left ventricular obstruction detected by pulsed Doppler echocardiography. Matsuda M, et al. **Jpn Heart J** 1984 Nov;25(6):1081-4

Hepatic reactions to nifedipine. Abramson M, et al. **Med J Aust** 1985 Jan 7;142(1):47-8

Aggravation of myocardial ischaemia by nifedipine. Sia ST, et al. **Med J Aust** 1985 Jan 7;142(1):48-50

Gingival hyperplasia induced by nifedipine, an arterial vasodilating drug. van der Wall EE, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jul;60(1):38-40

Absence of major side effects of nifedipine following treatment of Duchenne dystrophy [letter] Moxley RT 3d. **Pediatrics** 1985 Jun;75(6):1168-9

Pulmonary edema with nifedipine in primary pulmonary hypertension. Batra AK, et al. **Respiration** 1985;47(3):161-3

Unstable angina precipitated by nifedipine [letter] **S Afr Med J** 1984 Nov 3;66(18):573–4

[Gingival hyperplasia: a possible side effect of nifedipine] van der Wall EE, et al. **Ned Tijdschr Geneeskd** 1984 Oct 13; 128(41):1954–5 (Eng. Abstr.) (Dut)

[Vasculitis following nifedipine] Brenner S, et al. **Harefuah** 1985 Feb 1;108(3):139–40 (Eng. Abstr.) (Heb)

[Side effects of nifedipine] Ohnmeiss H. **Boll Soc Ital Cardiol** 1984 Sep–Oct;29(9–10):451–8 (Ita)

[Myocardial infarction after the first dose of nifedipine] Siebert J, et al. **Wiad Lek** 1984 May 1;37(9):669–72 (Eng. Abstr.) (Pol)

[Nifedipine, captopril and labetalol––overviews on the pattern of adverse effects] **Lakartidningen** 1985 Jul 10; 82(28–29):2531–2 (Swe)

ANALOGS & DERIVATIVES

Physico-chemical properties of urinary metabolites of felodipine, a new vasodilator drug. II. Lactone kinetics, acid dissociation and distribution constants of two hydroxycarboxylic metabolites. Weidolf L, et al. **Acta Pharm Suec** 1984;21(6):331–44

Synthesis and preparative liquid chromatographic purification of reference compounds of three metabolites of the vasodilating drug felodipine. Weidolf L, et al. **Acta Pharm Suec** 1984;21(4):209–22

A novel 1,4 dihydropyridine, BAY K 8644, with contractile effects on vascular smooth muscle. Mikkelsen E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):44–9

Effects of light and BAY K 8644, a new 1,4–dihydropyridine, on mechanical responses of rat thoracic aorta. Mikkelsen E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Feb; 56(2):126–32

Some effects of the calcium promotor BAY K 8644 on feline cerebral arteries. Uski TK, et al. **Acta Physiol Scand** 1985 Jan;123(1):49–53

Identification of calcium–channel receptors in intact animals. Roeske WR, et al. **Adv Myocardiol** 1985;6:71–82

Calcium agonism, a new mechanism for positive inotropy. Hemodynamic effects and mode of action of BAY K 8644. Schramm M, et al. **Adv Myocardiol** 1985;6:59–70

Effect of ethanol on [3H]nitrendipine binding to calcium channels in brain membranes. Greenberg DA, et al. **Alcoholism** (NY) 1984 Nov–Dec;8(6):568–71

Effects of Ca2+ antagonist, nicardipine, on experimental asthma with special reference to slow reacting substance of anaphylaxis. Koshino T, et al. **Allergy** 1985 Jul; 40(5):311–3

Salutary hemodynamic and sustained clinical beneficial effects of nisoldipine, a new calcium channel blocker, in patients with recurrent ischemia and severe heart failure. Kimchi A, et al. **Am Heart J** 1985 Aug;110(2):496–8

The electrophysiologic effects of nisoldipine in the conscious dog. Schwartz JB, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):529–32

Nicardipine for angina pectoris at rest and coronary arterial spasm. Gelman JS, et al. **Am J Cardiol** 1985 Aug 1; 56(4):232–6

Myocardial ischemia during intravenous nicardipine administration. Lambert CR, et al. **Am J Cardiol** 1985 Mar 1;55(6):844–5

Coronary and systemic hemodynamic effects of nicardipine. Lambert CR, et al. **Am J Cardiol** 1985 Mar 1;55(6):652–6

Effects of nicardipine and nisoldipine on myocardial metabolism, coronary blood flow and oxygen supply in angina pectoris. Rousseau MF, et al. **Am J Cardiol** 1984 Dec 1;54(10):1189–94

Acute effects of intravenous nisoldipine on left ventricular function and coronary hemodynamics. Serruys PW, et al. **Am J Cardiol** 1985 Jul 1;56(1):140–6

Calcium channel agonist BAY k8644 enhances anterior pituitary secretion in rat and monkey. Cronin MJ, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E326–9

Nitrendipine: effects on vascular responses and myocardial binding. McBride W, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H775–83

Ineffectiveness of Ca2+–antagonists nicardipine and diltiazem on experimental atherosclerosis in cholesterol–fed rabbits. Naito M, et al. **Angiology** 1984 Oct;35(10):622–7

Phenytoin interacts with calcium channels in brain membranes. Greenberg DA, et al. **Ann Neurol** 1984 Nov; 16(5):616–7

Regional vasodilating and cardiac effects of nicardipine in anaesthetized open chest dog. Bongrani S, et al. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):226–36

Subcellular distribution of dihydropyridine isothiocyanate binding in guinea–pig ileal smooth muscle. Grover AK, et al. **Arch Int Pharmacodyn Ther** 1985 Jan;273(1):74–82

Inotropic and electrophysiological effects of PY 108–068 on isolated cardiac preparations. Tejerina MT, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):64–80

Antiatherosclerotic effects of nicardipine and nifedipine in cholesterol–fed rabbits. Willis AL, et al. **Arteriosclerosis** 1985 May–Jun;5(3):250–5

Effect of nisoldipine on electrophysiological parameters in patients pretreated with beta–blockers. Klein HH, et al. **Arzneimittelforsch** 1984;34(9):1035–7

Nitrendipine and atenolol: comparison and combination in the treatment of arterial hypertension. de Divitiis O, et al. **Arzneimittelforschung** 1985;35(4):727–9

Acute and subacute toxicity of 2,6–dimethyl–3,5–dimethoxycarbonyl–4–(o–difluorometho ,4–dihydropyridine (PP–1466). Gomi T, et al. **Arzneimittelforschung** 1985;35(6):915–22

Absorption, distribution, metabolism and excretion of 2,6–dimethyl–3,5–dimethoxycarbonyl–4–(o–difluorometho 1,4–dihydropyridine (PP–1466) in rats. Inoue Y, et al. **Arzneimittelforschung** 1985;35(5):813–8

Preparation and properties of ryodipine, an effective antihypertensive agent. Kastron VV, et al. **Arzneimittelforschung** 1985;35(4):668–72

Pharmacological and toxicological properties of ryodipine. Kimenis AA, et al. **Arzneimittelforschung** 1985;35(4):672–9

Calcium antagonistic properties of nicardipine, a dihydropyridine derivative assessed in isolated cerebral arteries and cardiac muscle. Nakayama K, et al. **Arzneimittelforschung** 1985;35(4):687–93

Pharmacokinetics and metabolism of ryodipine in rats. Parinov VJ, et al. **Arzneimittelforschung** 1985;35(5):808–13

Pharmacological studies of a newly synthetized 1,4–dihydropyridine derivative, 2,6–dimethyl–3,5–dimethoxycarbonyl–4–(o–difluoromethoxyphenyl)–1,4–dihydropyridine (PP–1466). Toribatake T, et al. **Arzneimittelforschung** 1985; 35(4):680–6

Effect of ryodipine on electromechanical parameters of heart and vessels, cAMP phosphodiesterase activity and swelling–contraction cycle of mitochondria. Velena AH, et al. **Arzneimittelforschung** 1985;35(6):907–14

PY 108–068, a dihydropyridine derivative, and verapamil interact differently with the ouabain effects on the heart and the peripheral circulation. Hof RP, et al. **Basic Res Cardiol** 1985 Jan–Feb;80(1):66–75

Positive inotropic actions of the calcium channel stimulator, Bay k 8644, in awake, unsedated dogs. Preuss KC, et al. **Basic Res Cardiol** 1985 May–Jun;80(3):326–32

Effects of mercaptans upon dihydropyridine binding sites on transverse tubules isolated from triads of rabbit skeletal muscle. Brandt NR, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):205–12

Nitrendipine potentiates Bay k 8644–induced contraction of isolated porcine coronary artery: evidence for functionally distinct dihydropyridine receptor subtypes. Dube GP, et al. **Biochem Biophys Res Commun** 1985 May 16; 128(3):1295–302

Effect of calcium channel agonist Bay K 8644 on calcitonin secretion from a rat C–cell line. Hishikawa R, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):454–9

[3H]–Nitrendipine binding in developing dissociated fetal mouse spinal cord neurons. Litzinger MJ, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):112–9

TTX displacement of [H3]–nitrendipine binding in developing spinal cord neurons. Litzinger MJ, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):979–87

Gating and blocking of calcium channels by dihydropyridines in the pancreatic B–cell. Malaisse–Lagae F, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):1062–8

Activation of the voltage–dependent Ca2+ channel in rat heart cells by dihydropyridine derivatives. Renaud JF, et al. **Biochem Biophys Res Commun** 1984 Nov 30; 125(1):405–12

Effects of dihydropyridine calcium channel modulators in the heart: pharmacological and radioligand binding correlations. Schwartz A, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):387–94

Effects of dihydropyridine derivatives and anticonvulsant drugs on [3H]nitrendipine binding and calcium and sodium fluxes in brain. Harris RA, et al. **Biochem Pharmacol** 1985 Jun 15;34(12):2187–91

Inhibition of turkey gizzard myosin light chain. Kinase activity by dihydropyridine calcium antagonists. Movsesian MA, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3759–64

The effects of BAY–K–8644 on the contraction of cat middle cerebral and femoral arteries. Salaices M, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3131–5

A possible action of nicardipine on the cardiac sarcolemmal Na+–Ca2+ exchange. Takeo S, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2303–8

Phosphorylation of ventricular sarcolemmal membranes does not alter binding properties of nitrendipine. Hayes JS, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):313–20

Stimulation of Ca–dependent action potentials in mammalian ventricular myocardium by a novel dihydropyridine. Nilius B. **Biomed Biochim Acta** 1984;43(12):1385–97

Acute haemodynamic effects of felodipine during beta blockade in patients with coronary artery disease. Culling W, et al. **Br Heart J** 1984 Oct;52(4):431–4

Proceedings of the First International Symposium on Nicardipine. Brussels, Belgium, September 1984. **Br J Clin Pharmacol** 1985;20 Suppl 1:1S–208S

Nicardipine in models of myocardial infarction. Alps BJ, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:29S–49S

Nicardipine hydrochloride in essential hypertension––a controlled study. Asplund J. **Br J Clin Pharmacol** 1985;20 Suppl 1:120S–124S

Noninvasive assessment of the haemodynamic effects of nicardipine in normotensive subjects. Campbell BC, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:55S–61S

The effect of nicardipine on glucose and drug–stimulated insulin secretion in normal volunteers. Dow RJ, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:75S–83S

Effects of nicardipine on aldosterone release and pressor mechanisms. Elliott HL, et al. **Br J Clin Pharmacol** 1985; 20 Suppl 1:99S–102S

The natriuresis following oral administration of the calcium antagonists––nifedipine and nitrendipine. Ene MD, et al. **Br J Clin Pharmacol** 1985 Apr;19(4):423–7

Effect of nicardipine in elderly hypertensive patients. Forette F, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:125S–129S

Intracranial effects of nicardipine. Gaab MR, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:67S–74S

Short– and long–term treatment of stable effort angina with nicardipine, a new calcium channel blocker: a double–blind, placebo–controlled, randomised, repeated cross–over study. Gheorghiade M, et al. **Br J Clin Pharmacol** 1985; 20 Suppl 1:195S–205S

The metabolism and pharmacokinetics of nicardipine hydrochloride in man. Graham DJ, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:23S–28S

Vasodilatory effect of nicardipine and verapamil in the forearm of hypertensive as compared with normotensive man. Hulthén UL, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:62S–66S

The effect of nicardipine on pituitary hormone release in normal volunteers. Isles TE, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:84S–87S

Inhibition of histamine release from dispersed human lung and tonsillar mast cells by nicardipine and nifedipine. Kim YY, et al. **Br J Clin Pharmacol** 1985 May;19(5):631–8

Blood pressure, heart rate and A–V conduction responses to nicardipine in hypertensive patients receiving atenolol. Kolloch R, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:130S–134S

The effect of acute and chronic nicardipine therapy on forearm arterial haemodynamics in essential hypertension. Levenson J, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:107S–113S

The effect of nicardipine on blood pressure, its variability and reflex cardiac control. Littler WA, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:115S–119S

The acute haemodynamic effects of oral nicardipine. McCredie RM, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:163S–168S

Prevention of vasospastic angina with nicardipine. Pepine CJ, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:187S–194S

Effects of nicardipine on coronary blood flow, left ventricular inotropic state and myocardial metabolism in patients with angina pectoris. Rousseau MF, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:147S–157S

Nicardipine for stable angina pectoris. Scheidt S, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:178S–186S

Effects of nicardipine on cardiac volume at rest and during exercise–induced angina. Silke B, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:169S–176S

Haemodynamic dose–response effects of i.v. nicardipine in coronary artery disease. Silke B, et al. **Br J Clin Pharmacol** 1984 Nov;18(5):717–24

Cardiovascular pharmacology of nicardipine in animals. Takenaka T, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:7S–22S

Anti–hypertensive dose–response effects of nicardipine in stable essential hypertension. Taylor SH, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:135S–138S

A study of the long–term efficacy and tolerability of oral nicardipine in hypertensive patients. Taylor SH, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:139S–142S

Nicardipine: pharmacokinetics and effects on carotid and brachial blood flows in normal volunteers. Thuillez C, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):837–47

Influence of nicardipine on blood pressure, renal function and plasma aldosterone in normotensive volunteers. van Schaik BA, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:88S–94S

Immediate and long–term effects of nicardipine, at rest and during exercise, in patients with coronary artery disease. Visser CA, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:158S–162S

Calcium channel blockers––are they diuretics? Young MA, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:95S–98S

Effect of the dihydropyridine Bay K 8644 on the release of [3H]–noradrenaline from the rat isolated vas deferens. Ceña V, et al. **Br J Pharmacol** 1985 Jul;85(3):691–6

The effect of Bay K 8644 on contraction mediated by alpha–adrenoceptors in the rat saphenous vein. Cheung DW. **Br J Pharmacol** 1985 Jun;85(2):317–9

Energy conservation by nisoldipine in ischaemic heart. De Jong JW, et al. **Br J Pharmacol** 1984 Dec;83(4):943–9

Subcellular localization of [3H]–nitrendipine binding sites in guinea–pig ileal smooth muscle. Godfraind T, et al. **Br J Pharmacol** 1985 Jun;85(2):335–40

Differential antagonism by Bay k 8644, a dihydropyridine calcium agonist, of the negative inotropic effects of nifedipine, verapamil, diltiazem and manganese ions in canine ventricular muscle. Ishii K, et al. **Br J Pharmacol** 1985 Feb;84(2):577–84

Nisoldipine–induced relaxation in intact and skinned smooth muscles of rabbit coronary arteries. Itoh T, et al. **Br J Pharmacol** 1984 Sep;83(1):243–58

Comparison of effects of a new dihydropyridine, Bay K 8644, and nifedipine on spontaneous mechanical activity in rat portal vein. Mikkelsen E. **Br J Pharmacol** 1985 Jun; 85(2):383–5

Interference of sodium with [3H]–nitrendipine binding to cardiac membranes. Schwartz J, et al. **Br J Pharmacol** 1985 Feb;84(2):511–5

Autoradiographic localization of calcium channel antagonist

NEWARK PUBLIC LIBR

receptors in rat brain with [3H]nitrendipine. Gould RJ, et al. **Brain Res** 1985 Mar 25;330(2):217-23

Age-related reduced affinity in [3H]nitrendipine labeling of brain voltage-dependent calcium channels. Govoni S, et al. **Brain Res** 1985 May 6;333(2):374-7

In vivo chronic lead exposure alters [3H]nitrendipine binding in rat striatum. Rius RA, et al. **Brain Res** 1984 Nov 19;322(1):180-3

Specific high affinity binding of the calcium channel antagonist, [3H]nitrendipine, to rat liver microsomes. Gopalakrishnan V, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1249-52

Calcium channel activation in vascular smooth muscle by BAY K 8644. Su CM, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1401-10

Restoration of normal reflex responses to orthostatic stress during felodipine therapy in congestive heart failure. Timmis AD, et al. **Cardiovasc Res** 1984 Oct;18(10):613-9

Effect of membrane depolarization on binding of [3H]nitrendipine to rat cardiac myocytes. Green FJ, et al. **Circ Res** 1985 Apr;56(4):576-85

A dihydropyridine (Bay k 8644) that enhances calcium currents in guinea pig and calf myocardial cells. A new type of positive inotropic agent. Thomas G, et al. **Circ Res** 1985 Jan;56(1):87-96

Effects of Bay k 8644, a dihydropyridine analog, on [3H]nitrendipine binding to canine cardiac sarcolemma and the relationship to a positive inotropic effect. Vaghy PL, et al. **Circ Res** 1984 Oct;55(4):549-53

The calcium channel blocker nitrendipine blocks sodium channels in neonatal rat cardiac myocytes. Yatani A, et al. **Circ Res** 1985 Jun;56(6):868-75

No adverse effects from high doses of felodipine to patients with coronary heart disease. Emanuelsson H, et al. **Clin Cardiol** 1985 Jun;8(6):329-36

Effects of calcium antagonists on central pressor and dipsogenic activities of angiotensin II in rats. Kondo K, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):2007-11

The influence of monotherapy with oxprenolol and nitrendipine on ambulatory blood pressure in hypertensives. Schmieder R, et al. **Clin Exp Hypertens [A]** 1985;7(2-3):445-54

Nitrendipine kinetics in normal and impaired renal function. Aronoff GR, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):212-8

Felodipine kinetics in healthy men. Edgar B, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):205-11

Effects of nitrendipine and hydralazine on plasma catecholamines in essential hypertension. Lopez LM, et al. **Clin Pharmacol Ther** 1984 Oct;36(4):444-50

Effects of chronic nitrendipine on casual (office) and 24-hour ambulatory blood pressure. White WB, et al. **Clin Pharmacol Ther** 1985 Jul;38(1):60-4

Effect of nicardipine in a hypertensive patient with diabetes mellitus. Sakata S, et al. **Clin Ther** 1984;6(5):600-2

First International Meeting on Felodipine. Proceedings of an international symposium. Montreux, Switzerland, 16-17 June 1984. **Drugs** 1985;29 Suppl 2:1-212

Comparative trial of felodipine and nifedipine in refractory hypertension. Aberg H, et al. **Drugs** 1985;29 Suppl 2:117-23

Haemodynamic effects of single-dose felodipine in normal man. Agner E, et al. **Drugs** 1985;29 Suppl 2:36-40

Felodipine. A calcium-inhibiting vasodilator in refractory hypertension. Andersson OK, et al. **Drugs** 1985;29 Suppl 2:102-8

Electrophysiological effects of felodipine. Been M, et al. **Drugs** 1985;29 Suppl 2:76-80

Effect of felodipine and metoprolol on muscle and skin arteries in hypertensive patients. Clement DL, et al. **Drugs** 1985;29 Suppl 2:137-43

Long term experience of felodipine in combination with beta-blockade and diuretics in refractory hypertension. Collste P, et al. **Drugs** 1985;29 Suppl 2:124-30

Effects of felodipine on renal function in animals. DiBona GF. **Drugs** 1985;29 Suppl 2:168-75

Absorption, distribution and elimination of felodipine in man. Edgar B, et al. **Drugs** 1985;29 Suppl 2:9-15

Acute diuretic/natriuretic properties of felodipine in man. Edgar B, et al. **Drugs** 1985;29 Suppl 2:176-84

Antihypertensive effects of felodipine compared with placebo. Elmfeldt D, et al. **Drugs** 1985;29 Suppl 2:109-16

Antihypertensive effect of felodipine combined with beta-blockade. A comparison between 2 and 3 daily dosages. Hansson BG, et al. **Drugs** 1985;29 Suppl 2:131-6

Renal effects of felodipine in hypertensive patients with reduced renal function. Herlitz H, et al. **Drugs** 1985;29 Suppl 2:192-7

Effects of felodipine on red blood cell deformability. Hopkins RJ, et al. **Drugs** 1985;29 Suppl 2:42-4

Electrophysiological effects of felodipine in combination with metoprolol. Jones CR, et al. **Drugs** 1985;29 Suppl 2:81-6

Antihypertensive and water and sodium balance effects of felodipine, a new vasodilating calcium antagonist, in hypertensive patients. Leonetti G, et al. **Drugs** 1985;29 Suppl 2:185-91

Vascular selectivity of felodipine. Ljung B. **Drugs** 1985;29 Suppl 2:46-58

Effects of felodipine on rest and exercise heart rate and blood pressure in hypertensive patients. Lorimer AR, et al. **Drugs** 1985;29 Suppl 2:154-7

Acute haemodynamic and platelet effects of felodipine in hypertensive patients. McAlpine HM, et al. **Drugs** 1985;29 Suppl 2:161-4

Effect of felodipine on blood pressure, heart rate, forearm blood flow and the response to venous occlusion in normal man. Mace P, et al. **Drugs** 1985;29 Suppl 2:41

Effects of felodipine on resistance and capacitance vessels in patients with essential hypertension. Muir AL, et al. **Drugs** 1985;29 Suppl 2:59-65

Haemodynamic effects of short and long term administration of felodipine in spontaneously hypertensive rats. Nordlander M. **Drugs** 1985;29 Suppl 2:90-101

Influence of felodipine and verapamil on the sympathetic transmitter release and on the pre- and post-junctional effects of exogenous noradrenaline in the perfused rat kidney. Peter EJ, et al. **Drugs** 1985;29 Suppl 2:198-204

Acute haemodynamic effects of felodipine and verapamil in man, singly and with metoprolol. Rönn O, et al. **Drugs** 1985;29 Suppl 2:16-25

Acute haemodynamic effects of felodipine in patients with coronary artery disease. Sheridan DJ, et al. **Drugs** 1985;29 Suppl 2:87

Haemodynamic, hormonal, and diuretic effects of felodipine in healthy normotensive volunteers. Sluiter HE, et al. **Drugs** 1985;29 Suppl 2:26-35

Haemodynamic effects of intravenous felodipine in normotensive and hypertensive subjects. Sluiter HE, et al. **Drugs** 1985;29 Suppl 2:144-53

Studies with felodipine in congestive heart failure. Timmis AD, et al. **Drugs** 1985;29 Suppl 2:66-75

Felodipine as an alternative to minoxidil in severe refractory hypertension. Wathen CG, et al. **Drugs** 1985;29 Suppl 2:157-8

Felodipine in comparison with prazosin in hypertensive patients inadequately controlled on beta-blockade. Westermann B, et al. **Drugs** 1985;29 Suppl 2:159-60

Age related antihypertensive effect of nitrendipine, a new calcium entry blocking agent. Ferrara LA, et al. **Eur J Clin Pharmacol** 1985;28(4):473-4

[3H]nitrendipine binding in the guinea pig left ventricle: effects of calcium and lanthanum. Fawzi AB, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):357-62

An investigation of the actions of the calcium entry facilitator Bay K 8644 on the rat vas deferens. Hyland L, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):363-7

Stimulation frequency alters the inotropic response of atrial muscle to BAY K-8644. Kennedy RH, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):209-14

Activation mechanisms of human renal artery: effects of KCl, norepinephrine and nitrendipine upon tension development and 45Ca influx. Loutzenhiser R, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):47-52

Inhibition of turkey gizzard myosin light chain kinase activity by BAY K 8644. Movsesian MA, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):161-3

Effects of felodipine, nitrendipine and W-7 on arterial myosin phosphorylation, actin-myosin interactions and contraction. Silver PJ, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):417-24

Correlation of nitrendipine and Bay k 8644 binding to isolated canine heart sarcolemma with their pharmacological effects on the canine heart. Vaghy PL, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):373-4

Bay K8644 differentiates between potential and receptor operated Ca2+ channels. Yamamoto H, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):555-7

The protective effect of nitrendipine on gentamicin acute renal failure in rats. Lee SM, et al. **Exp Mol Pathol** 1985 Aug;43(1):107-14

A low dose of a calcium antagonist (nitrendipine) ameliorates cardiac and renal lesions induced by DOC in the rat. Nickerson PA. **Exp Mol Pathol** 1984 Dec;41(3):309-20

Dihydropyridine Ca2+ agonists and channel blockers interact in the opposite manner with photogenerated unpaired electrons. Marinov BS, et al. **FEBS Lett** 1985 Jul 8;186(2):251-4

Ca2+ channel agonist BAY-k 8644 does not elicit Ca2+ release from skeletal muscle sarcoplasmic reticulum. Zorzato F, et al. **FEBS Lett** 1985 Jul 8;186(2):255-8

Comparative efficacy of nicardipine, a new calcium antagonist, versus nifedipine in effort stable angina. Di Pasquale G, et al. **G Ital Cardiol** 1984 Aug;14(8):618-20

PY 108-068: a calcium antagonist with an unusual pattern of cardiovascular activity. Hof RP. **Gen Pharmacol** 1985;16(1):1-6 (26 ref.)

Studies of [3H]nitrendipine binding and KCl-induced calcium uptake in rat cortical synaptosomes. Wei JW, et al. **Gen Pharmacol** 1985;16(3):211-6

Activation of Ca channels in heart muscle by a new dihydropyridine derivative. Nilius B. **Gen Physiol Biophys** 1984 Oct;3(5):437-40

Comparative haemodynamic effects of nicardipine and verapamil in coronary artery disease. Silke B, et al. **Herz** 1985 Apr;10(2):112-9

Inhibition by calcium antagonist of coupling of insulin binding and insulin action on glucose transport in isolated fat cells. Ishibashi F, et al. **Hiroshima J Med Sci** 1984 Mar;33(1):73-9

Effects of a calcium entry blocker on blood pressure and renal function during angiotensin-induced hypertension. Huelsemann JL, et al. **Hypertension** 1985 May-Jun;7(3 Pt 1):374-9

Effects of a calcium channel blocker on cardiac output distribution in conscious hypertensive dogs. Knight DR, et al. **Hypertension** 1985 May-Jun;7(3 Pt 1):380-5

Selective antagonism of humoral versus neural vasoconstrictor responses by nisoldipine. Lappe RW, et al. **Hypertension** 1985 Mar-Apr;7(2):216-22

Calcium channel blockade with nitrendipine. Effects on sodium homeostasis, the renin-angiotensin system, and the sympathetic nervous system in humans. Luft FC, et al. **Hypertension** 1985 May-Jun;7(3 Pt 1):438-42

Comparative efficacy of nicardipine, a new calcium antagonist, versus nifedipine in stable effort angina. Di Pasquale G, et al. **Int J Cardiol** 1984 Dec;6(6):673-88

Short- and long-term efficacy of nicardipine, assessed by placebo-controlled single- and double-blind crossover trials in patients with chronic stable angina. Khurmi NS, et al. **J Am Coll Cardiol** 1984 Nov;4(5):908-17

A dose-ranging, placebo-controlled, double-blind trial of nisoldipine in effort angina: duration and extent of antianginal effects. Lam J, et al. **J Am Coll Cardiol** 1985 Aug;6(2):447-52

Calcium antagonists for antihypertensive baseline therapy. First International Nitrendipine Symposium. Interlaken, April 13-14, 1984. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S929-1113

Systemic and renal hemodynamic effects of single oral doses of felodipine in patients with refractory hypertension receiving chronic therapy with beta-blockers and diuretics. Andersson OK, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):544-9

Pharmacokinetics of nitrendipine in patients with renal failure: comparison to normal subjects. Aronoff GR. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S974-6

Parallel reduction of calcium-influx-dependent vasoconstriction and platelet-free calcium concentration with calcium entry and beta-adrenoceptor blockade. Bolli P, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S996-1001

Place of calcium antagonists in antihypertensive therapy: introduction and round-table discussion. Bühler FR, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S929-32

Reduced glycolysis by nisoldipine treatment of ischemic heart. de Jong JW, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):497-500

Effects of a novel calcium channel agonist dihydropyridine analogue, Bay k 8644, on pig coronary artery: biphasic mechanical response and paradoxical potentiation of contraction by diltiazem and nimodipine. Dubé GP, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):377-89

Long-term effectiveness of BAY e 5009-nitrendipine in the treatment of mild and moderate arterial hypertension. Esper RJ, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1096-9

Efficacy and safety comparison of nitrendipine and hydralazine as antihypertensive monotherapy. Fagan TC, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1109-13

Crossover comparison of nitrendipine with propranolol in patients with essential hypertension. Fritschka E, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1100-4

Effect of nitrendipine on urine volume, osmolality, and electrolyte excretion in normal, adrenal-enucleate, and mononephrectomized rats. Hall CE, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1028-31

Effects of nicardipine, a dihydropyridine calcium antagonist, on regional myocardial blood flow, myocardial oxygen tension, and electrical abnormalities during acute coronary artery occlusion in dogs. Hashimoto H, et al. **J Cardiovasc Pharmacol** 1985 Jul-Aug;7(4):613-21

Nitrendipine in hypertension that is difficult to control. Höffler D, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1060-2

Efficacy and safety of nitrendipine in patients with severe hypertension: a multiclinic study. Jain AK, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1053-9

Comparison of the calcium antagonistic activity of nifedipine and FR34235 in the canine saphenous vein. Jim KF, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):458-62

Bioequivalence and metabolism of nitrendipine administered orally to healthy volunteers. Kann J, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S968-73

Mode of antihypertensive action of nitrendipine. Kazda S, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S956-62

Drug interactions with nitrendipine. Kirch W, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S982-5

Steady-state pharmacokinetics of nitrendipine in hepatic insufficiency. Lasseter KC, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S977-81

Large arteries in hypertension: acute effects of a new calcium entry blocker, nitrendipine. Levenson J, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1006-10

Nitrendipine in the treatment of mild to moderate hypertension. Moser M, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1085-9

Antihypertensive therapy with the long-acting calcium antagonist nitrendipine. Müller FB, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1073-6

Acute and long-term effects of nitrendipine on resting and exercise hemodynamics in essential hypertension. Nannan ME, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1043-8

Acute hemodynamic effects of nitrendipine in chronic congestive heart failure. Olivari MT, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1002-5

Nitrendipine: hemodynamic effects in conscious normotensive and spontaneously hypertensive rats. Pegram BL, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1016-23

Cardiovascular effects of the nifedipine analog, CGP 28 392, in the conscious dog. Preuss KC, et al. **J Cardiovasc Pharmacol** 1984 Sep–Oct;6(5):949–53

Hemodynamic and cardiac effects of nicardipine in patients with coronary artery disease. Rousseau MF, et al. **J Cardiovasc Pharmacol** 1984 Sep–Oct;6(5):833–9

Efficacy of nitrendipine as baseline antihypertensive therapy. Rüddel H, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1049–52

Comparison of the acute hemodynamic effects of nifedipine with nitrendipine and a study of the electrophysiological effects of nitrendipine in man. Rutsch W, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1011–5

Comparison of nitrendipine combined with low-dose hydrochlorothiazide to hydrochlorothiazide alone in mild to moderate essential hypertension. Schoenberger JA, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1105–8

Modulation of calcium ion influx by the 1,4–dihydropyridines nifedipine and BAY K 8644. Schramm M, et al. **J Cardiovasc Pharmacol** 1985 May–Jun;7(3):493–6

Antagonism of Ca2+–induced constriction of isolated rabbit ear artery by nitrendipine in high K+– and/or norepinephrine–containing medium. Scriabine A, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S944–8

Some recent pharmacological findings with nitrendipine. Scriabine A, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S937–43

Nitrendipine reverses vasoconstriction and renal hemodynamic changes in experimental hypertension. Sterzel RB, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1024–7

Safety aspects of long–term nitrendipine therapy. Stoepel K, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1063–6

Renal effects of nitrendipine monotherapy in essential hypertension. Thananopavarn C, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1032–6

Calcium channel modulation: ability to inhibit or promote calcium influx resides in the same dihydropyridine molecule. Thomas G, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec;6(6):1170–6

Clinical experience with long–term nitrendipine treatment in essential hypertension. Tourkantonis A, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1090–5

Effects of nitrendipine and other calcium antagonists on glucose metabolism in man. Trost BN, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S986–95 (60 ref.)

Effects of nisoldipine, a new calcium antagonist, on myocardial infarct size and cardiac dynamics following acute myocardial infarction. Tumas J, et al. **J Cardiovasc Pharmacol** 1985 Mar–Apr;7(2):361–7

Coronary vasodilator compared to cardiac effects of PY 108–068, a new dihydropyridine vasodilator, on isolated, blood–perfused dog–heart preparations. Wada Y, et al. **J Cardiovasc Pharmacol** 1984 Sep–Oct;6(5):881–7

The calcium channel blocker nitrendipine in single– and multiple–agent antihypertensive regimens: preliminary report of a multicenter study. Weber MA, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1077–84

Influence of Bay k 8644 on pressor effects of B–HT 920 and cirazoline in pithed cats. Wilffert B, et al. **J Cardiovasc Pharmacol** 1985 Jan–Feb;7(1):26–9

Quantification of nitrendipine in plasma by a capillary column gas chromatographic–mass spectrometric method. Beck O, et al. **J Chromatogr** 1985 Feb 8;337(2):402–7

The effect of a new calcium channel blocker nicardipine on 24–hour ambulatory blood pressure and the pressor response to isometric and dynamic exercise. Jones RI, et al. **J Hypertens** 1983 Jun;1(1):85–9

Renal hemodynamic and tubular transport effects of nitrendipine. Wallia R, et al. **J Lab Clin Med** 1985 Apr;105(4):498–503

Increase in the slow inward current by intracellularly applied nifedipine and nicardipine in single ventricular cells of the guinea–pig heart. Iijima T, et al. **J Mol Cell Cardiol** 1984 Dec;16(12):1173–7

Calcium antagonist binding sites in the rat brain: quantitative autoradiographic mapping using the 1,4–dihydropyridines [3H]PN 200–110 and [3H]PY 108–068. Cortés R, et al. **J Neural Transm** 1984;60(3–4):169–97

The interaction of [3H]PY 108–068 and of [3H]PN 200–110 with calcium channel binding sites in rat brain. Supavilai P, et al. **J Neural Transm** 1984;60(3–4):149–67

Stimulation of calcium uptake in PC12 cells by the dihydropyridine agonist BAY K 8644. Greenberg DA, et al. **J Neurochem** 1985 Sep;45(3):990–3

Reversible dihydropyridine isothiocyanate binding to brain calcium channels. Greenberg DA, et al. **J Neurochem** 1985 Jan;44(1):319–21

BAY K 8644, a 1,4–dihydropyridine Ca2+ channel activator: dissociation of binding and functional effects in brain synaptosomes. Rampe D, et al. **J Neurochem** 1984 Dec;43(6):1688–92

[3H]Nitrendipine binding to calcium channels in bovine and rat pituitary. Titeler M, et al. **J Neurochem** 1985 Jun;44(6):1955–8

A high–performance liquid chromatographic method for the simultaneous determination of nicardipine and its pyridine metabolite II in plasma. Wu AT, et al. **J Pharm Sci** 1984 Oct;73(10):1444–7

Comparative effects of nisoldipine, nifedipine and bepridil on experimental pulmonary hypertension. Archer SL, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):12–7

Intracellular Ca++ antagonist, HA1004: pharmacological properties different from those of nicardipine. Asano T, et al. **J Pharmacol Exp Ther** 1985 May;233(2):454–8

Effects of nisoldipine on cardiocirculatory dynamics and cardiac output distribution in conscious rats at rest and during treadmill exercise. Drexler H, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):376–81

Characteristics of the binding of [3H]nitrendipine to rabbit ventricular membranes: modification by other Ca++ channel antagonists and by the Ca++ channel agonist Bay K 8644. Janis RA, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):8–15

Agonist actions of Bay K 8644, a dihydropyridine derivative, on the voltage–dependent calcium influx in smooth muscle cells of the rabbit mesenteric artery. Kanmura Y, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):717–23

Potent enhancement of [3H]nitrendipine binding in rat cerebral cortical and cardiac homogenates: a putative mechanism for the action of MDL 12,330A. Lee HR, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):611–6

Reversal by the calcium antagonist nisoldipine of norepinephrine–induced reduction of GFR: evidence for preferential antagonism of preglomerular vasoconstriction. Loutzenhiser R, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):382–7

Calcium entry blockade by nitrendipine and alpha adrenergic responsiveness in vivo: comparison of systemic vs. local effects. Pedrinelli R, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):643–9

Calcium entry blockade by nitrendipine and alpha adrenergic responsiveness in vivo: comparison with noncalcium entry blocker vasodilators in absence and presence of phenoxybenzamine pretreatment. Pedrinelli R, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):636–42

Is antagonism by Bay k 8644 of the negative dromotropic effect of nifedipine pharmacological? Taira N, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):244–50

Interaction of the calcium channel activating 3H–BAY K 8644 and inhibiting 3H–verapamil with specific receptor sites on cultured beating myocardial cells. Bellemann P. **J Recept Res** 1984;4(1–6):571–85

Effects of temperature and allosteric modulators on [3H] nitrendipine binding: methods for detecting potential Ca2+ channel blockers. Holck M, et al. **J Recept Res** 1984;4(1–6):557–69

Aspirin with an adrenergic or a calcium–channel–blocking agent as new combination therapy for arterial thrombosis [letter] Greer IA, et al. **Lancet** 1985 Feb 9;1(8424):351–2

[3H]nitrendipine binding to adrenal capsular membranes. Finkel MS, et al. **Life Sci** 1984 Aug 20;35(8):905–10

Decreased [3H]nitrendipine binding in the brainstem of deoxycorticosterone–NaCl hypertensive rats. Lee HR, et al. **Life Sci** 1985 Sep 9;37(10):971–7

Interactions between Ca2+–antagonist binding sites in rat adenohypophysis: dependence on estrous cycle. Moscona–Amir E, et al. **Life Sci** 1984 Sep 3;35(10):1043–50

The effects of dihydropyridines on neurotransmitter release from cultured neuronal cells. Shalaby IA, et al. **Life Sci** 1984 Sep 17;35(12):1289–95

Conformational features of calcium channel agonist and antagonist analogs of nifedipine. Langs DA, et al. **Mol Pharmacol** 1985 May;27(5):544–8

A calcium–channel blocker as antidote to the cardiac effects of cocaine intoxication [letter] Nahas G, et al. **N Engl J Med** 1985 Aug 22;313(8):519–20

The agonist effect of dihydropyridines on Ca channels. Brown AM, et al. **Nature** 1984 Oct 11–17;311(5986):570–2

Activation of chromaffin cell Ca2+ channels by novel dihydropyridine [letter] Glossmann H. **Nature** 1985 Feb 7–13;313(6002):503–4

A functional correlate for the dihydropyridine binding site in rat brain. Middlemiss DN, et al. **Nature** 1985 Mar 7–13;314(6006):94–6

Positive inotropic effect of Bay K 8644: cAMP–independence and lack of inhibitory effect of adenosine. Böhm M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun;329(4):447–50

The behavioral effects of the calcium agonist Bay K 8644 in the mouse: antagonism by the calcium antagonist nifedipine. Bolger GT, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):373–7

Studies on the effects of felodipine on the vascular resistance and reactivity in pentobarbital anesthetized dogs. Jandhyala BS. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun;329(4):398–403

The dihydropyridine derivative, Bay K 8644, enhances insulin secretion by isolated pancreatic islets. Panten U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan;328(3):351–3

Competitive interactions between Bay K 8644 and nifedipine in K+ depolarized smooth muscle: a passive role for Ca2+? Spedding M. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):464–6

Interactions between a 'calcium channel agonist', Bay K 8644, and calcium antagonists differentiate calcium antagonist subgroups in K+–depolarized smooth muscle. Spedding M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):69–75

The positive inotropic dihydropyridine Bay K 8644 does not affect calcium sensitivity or calcium release of skinned cardiac fibres. Thomas G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):378–81

Cardiovascular profile of Bay K 8644, a presumed calcium channel activator, in the dog. Wada Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):382–7

Interactions between the putative calcium entry promotor Bay k 8644 and pressor responses produced by alpha 1– and alpha 2–adrenoceptor agonists in the pithed normotensive rat. Wilffert B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):76–82

Calcium entry activators: distinct sites of dihydropyridine and aminopyridine action. Greenberg DA, et al. **Neurosci Lett** 1984 Sep 7;50(1–3):279–82

Early operation of aneurysmal subarachnoid hemorrhage––use of nicardipine, a calcium channel blocker. Handa J, et al. **Nippon Geka Hokan** 1984 Sep 1;53(5):619–30

Effect of nicardipine HCl on prematurely induced uterine activity in the pregnant rabbit. Lirette M, et al. **Obstet Gynecol** 1985 Jan;65(1):31–6

Specificity of anti–leukotriene actions of nicardipine. Lefer AM, et al. **Pharmacol Res Commun** 1984 Dec;16(12):1141–50

In vitro effects of nicardipine on vascular and cardiac muscle preparations. Razzetti R, et al. **Pharmacol Res Commun** 1984 Aug;16(8):795–808

Pharmacokinetics of nicardipine following oral and intravenous administration in man. Graham DJ, et al. **Postgrad Med J** 1984;60 Suppl 4:7–10

Haemodynamic effects of intravenous nicardipine during upright exercise in patients with stable angina pectoris. Jackson NC, et al. **Postgrad Med J** 1984;60 Suppl 4:11–6

Intravenous nicardipine in patients with chronic heart failure: a nuclear stethoscope study. Lahiri A, et al. **Postgrad Med J** 1984;60 Suppl 4:35–8

Effect of nicardipine on myocardial contractility and on angina induced by atrial pacing in patients with coronary artery disease (abstract). Lipkin D, et al. **Postgrad Med J** 1984;60 Suppl 4:21–2

Effects of nicardipine or nifedipine added to propranolol in patients with coronary artery disease. Pouleur H, et al. **Postgrad Med J** 1984;60 Suppl 4:23–8

Haemodynamic effects of nicardipine in acute myocardial infarction. Silke B, et al. **Postgrad Med J** 1984;60 Suppl 4:29–34

Immediate and longer–term effects of nicardipine, at rest and during exercise, in patients with coronary artery disease. Visser CA, et al. **Postgrad Med J** 1984;60 Suppl 4:17–20

Nitrendipine block of cardiac calcium channels: high–affinity binding to the inactivated state. Bean BP. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6388–92

Long–opening mode of gating of neuronal calcium channels and its promotion by the dihydropyridine calcium agonist Bay K 8644. Nowycky MC, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2178–82

Effect of felodipine on renal hemodynamics and excretion in the dog. Ek B, et al. **Proc Soc Exp Biol Med** 1985 Jun;179(2):201–5

Nitrendipine–induced stimulation of renin release by the isolated perfused rat kidney. Loutzenhiser R, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):133–6

Voltage clamp comparison of the organic calcium channel blockers D–600 and nisoldipine. Uehara A, et al. **Proc West Pharmacol Soc** 1984;27:343–7

Effects of nicardipine and other Ca2+–antagonists on catecholamine transport into chromaffin granule membrane vesicles. Tachikawa E, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug;45(2):305–8

Comparative structure–activity relationships for dihydropyridines as inhibitors of [3H]–nitrendipine binding vs cyclic nucleotide phosphodiesterases. Van Inwegen RG, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug;45(2):191–206

Cytochrome P–450–dependent oxidation of felodipine––a 1,4–dihydropyridine––to the corresponding pyridine. Bäärnhielm C, et al. **Xenobiotica** 1984 Sep;14(9):719–26

Urinary metabolites of felodipine, a new vasodilator drug, in man, dog, rat and mouse. Weidolf L, et al. **Xenobiotica** 1984 Aug;14(8):657–66

Muzolimine and nitrendipine in the treatment of arterial hypertension. de Divitiis O, et al. **Z Kardiol** 1985;74 Suppl 2:60–5

[Effect of m–nifedipine, a calcium antagonist, on cardiac performance and oxygen consumption in anesthetized animal: a comparison with nifedipine] Rao MR, et al. **Yao Hsueh Hsueh Pao** 1984 Feb;19(2):101–7 (Eng. Abstr.) **(Chi)**

[Treatment of arterial hypertension in the aged with a calcium antagonist: nicardipine] Forette F, et al. **Arch Mal Coeur** 1984 Oct;77(11):1242–6 (Eng. Abstr.) **(Fre)**

[Effects of nicardipine on regional coronary deficit and the ST segment of the healthy and ischemic myocardium in dogs] Berdeaux A, et al. **J Pharmacol** 1985 Jan–Mar;16(1):59–74 (Eng. Abstr.) **(Fre)**

[Effects of nicardipine on electrophysiologic alterations and enzyme leakage induced in vitro in the guinea pig] Duriez PR, et al. **J Pharmacol** 1985 Jan–Mar;16(1):75–90 (Eng. Abstr.) **(Fre)**

[Nicardipine: experimental antihypertensive action and

NEWARK PUBLIC LIBRARY

interactions with the alpha-adrenergic sympathetic system] Richer C, et al. **J Pharmacol** 1985 Jan-Mar;16(1):45-58 (Eng. Abstr.) **(Fre)**

[Antihypertensive and anti-ischemic effect of nitrendipine. Double-blind, randomized, crossover and placebo controlled acute study] Brügmann U, et al. **Herz** 1985 Feb; 10(1):53-7 (Eng. Abstr.) **(Ger)**

[Comparison of the anti-ischemia effect of nisoldipine and verapamil. Double-blind randomized cross-over and placebo-controlled acute and long-term study] Brügmann U, et al. **Herz** 1984 Aug;9(4):244-52 (Eng. Abstr.) **(Ger)**

[Inhibition of platelet aggregation and thromboxane formation by the calcium antagonist nisoldipine following a single oral dose of 10 mg. A double-blind study in healthy probands] Schrör K, et al. **Klin Wochenschr** 1985 Jan 2; 63(1):16-9 (Eng. Abstr.) **(Ger)**

[Antianginal effect of calcium antagonists, using nisoldipine as an example] Hess OM, et al. **Schweiz Med Wochenschr** 1984 Aug 18;114(33):1126-31 (Eng. Abstr.) **(Ger)**

[Verapamil and nitrendipine in beta blocker-resistant hypertensive patients] Edmonds D, et al. **Schweiz Rundsch Med Prax** 1985 May 7;74(19):510-3 (Eng. Abstr.) **(Ger)**

[Nitrendipine, a new calcium antagonist, as basis therapy in essential hypertension] Groth H, et al. **Schweiz Rundsch Med Prax** 1985 May 7;74(19):503-6 (Eng. Abstr.) **(Ger)**

[Antihypertensive effect of nitrendipine, nifedipine and acebutolol and their combination on resting and exercise blood pressure in hypertensive patients] Franz IW, et al. **Z Kardiol** 1985 Feb;74(2):111-6 (Eng. Abstr.) **(Ger)**

[Nisoldipine, a new calcium antagonist: its effect on systolic function and relaxation in the dog] Hess OM, et al. **Z Kardiol** 1984 Sep;73(9):594-9 (Eng. Abstr.) **(Ger)**

[Preliminary note on the use of calcium antagonists in ischemic cardiopathy] Seu V, et al. **Minerva Cardioangiol** 1984 Oct;32(10):639-46 (Eng. Abstr.) **(Ita)**

[Inhibitory effect of nicardipine on 45Ca uptake and histamine release in rat mast cells stimulated by antigen] Tanizaki Y, et al. **Arerugi** 1985 Mar;34(3):204-9 (Eng. Abstr.) **(Jpn)**

[Effects of combination therapy of carmofur and nicardipine of human gastric cancer in nude mice] Nakatani K, et al. **Gan To Kagaku Ryoho** 1985 Apr;12(4):969-71 **(Jpn)**

[Flow cytometric study of enhanced effect of anti-cancer drugs induced by nicardipine hydrochloride] Nomura K, et al. **Gan To Kagaku Ryoho** 1984 Oct;11(10):2252-60 (Eng. Abstr.) **(Jpn)**

[Effects of Ca++-antagonist (nicardipine) on advanced A-V block--efficacy of Ca++-antagonists] Takahashi H, et al. **Kokyu To Junkan** 1984 Jul;32(7):747-51 (Eng. Abstr.) **(Jpn)**

[Effect of nicardipine on airway dynamics during general anesthesia] Kinoshita H, et al. **Masui** 1985 May; 34(5):588-94 (Eng. Abstr.) **(Jpn)**

[Calcium antagonist enhances the effect of adriamycin] Matsuoka H, et al. **Nippon Geka Gakkai Zasshi** 1985 Apr; 86(4):508 **(Jpn)**

[Effects of magnesium and nicardipine in the cardioplegic solution on the coronary arteries and myocardium] Shikano K, et al. **Rinsho Kyobu Geka** 1984 Sep;4(5):556-60 (Eng. Abstr.) **(Jpn)**

[Use of nifedipine derivatives in treating ischemic heart disease patients] Kuz'ko NV. **Vrach Delo** 1984 Sep;(9):82-4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Nifedipine stability in cardioplegic solution. Bottorff MB, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2068-70

[The stability in light of a drop formulation of nifedipine in conditions of therapeutic use] Gambaro V, et al. **Boll Chim Farm** 1985 Jan;124(1):13-8 (Eng. Abstr.) **(Ita)**

BLOOD

The influence of two histamine H2-receptor antagonists, cimetidine and ranitidine, on the plasma levels and clinical effect of nifedipine and metoprolol. Kirch W, et al. **Arch Toxicol [Suppl]** 1984;7:256-9

Specific HPLC assay for serum nifedipine. Snedden W, et al. **Clin Invest Med** 1984;7(3):173-8

High-performance liquid chromatographic determination of nifedipine in plasma. Miyazaki K, et al. **J Chromatogr** 1984 Sep 14;310(1):219-22

Determination of nifedipine in human plasma by high-performance liquid chromatography with electrochemical detection. Suzuki H, et al. **J Chromatogr** 1985 Jun 14;341(2):341-7

Correlation of plasma levels of nifedipine and cardiovascular effects after sublingual dosing in normal subjects. Traube M, et al. **J Clin Pharmacol** 1985 Mar;25(2):125-9

[Determination of nifedipine in human plasma by gas chromatography equipped with flame thermionic detector (FTD)] Kurosawa N, et al. **Yakugaku Zasshi** 1984 Jul; 104(7):775-9 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

[Corinfar test for evaluating the degree of cardiac insufficiency in the acute period of myocardial infarction] Mikhaĭlovich VA, et al. **Anesteziol Reanimatol** 1985 Jan-Feb;(1):51-3 (Eng. Abstr.) **(Rus)**

METABOLISM

Selective binding of nifedipine to amyloid fibrils. Gertz MA, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1646

Clinical differentiation of nifedipine and other calcium antagonists. Ebner F, et al. **Arq Bras Cardiol** 1984 Jul; 43(1):5-12 (63 ref.)

Variability in nifedipine pharmacokinetics and dynamics: a new oxidation polymorphism in man. Kleinbloesem CH, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3721-4

Lack of a pharmacokinetic interaction between nifedipine and the beta-adrenoceptor blockers metoprolol and atenolol. Kendall MJ, et al. **Br J Clin Pharmacol** 1984 Sep; 18(3):331-5

The first pass metabolism of nifedipine in man. Waller DG, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):951-4

Bioavailability and stability of nifedipine-enteric coating agent solid dispersion. Hasegawa A, et al. **Chem Pharm Bull (Tokyo)** 1985 Jan;33(1):388-91

Nifedipine: influence of renal function on pharmacokinetic/hemodynamic relationship. Kleinbloesem CH, et al. **Clin Pharmacol Ther** 1985 May;37(5):563-74

Effect of food ingestion on nifedipine absorption and haemodynamic response. Hirasawa K, et al. **Eur J Clin Pharmacol** 1985;28(1):105-7

Pharmacokinetics of nifedipine. Pasanisi F, et al. **Int J Clin Pharmacol Res** 1985;5(1):63-6

Effects of hemodynamic changes on the elimination kinetics of verapamil and nifedipine. Hamann SR, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):301-5

Effects of phenobarbital and SKF-525A on in vitro hepatic metabolism of verapamil and nifedipine. Hamann SR, et al. **Pharmacology** 1985;30(3):121-8

Oral ethanol ingestion altered nifedipine pharmacokinetics in the rat: a preliminary study. Boje KM, et al. **Res Commun Chem Pathol Pharmacol** 1984 Nov; 46(2):219-26

[Clinical pharmacokinetics of verapamil and nifedipine] Rumiantsev DO, et al. **Farmakol Toksikol** 1985 Jan-Feb; 48(1):99-109 (99 ref.) **(Rus)**

PHARMACODYNAMICS

The effect of nifedipine on CRF-41 and AVP-induced ACTH release in vitro. Murakami K, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):32-6

Influence of extracellular calcium and nifedipine on alpha 1- and alpha 2-adrenoceptor-mediated contractile responses in isolated rat and cat cerebral and mesenteric arteries. Skärby T, et al. **Acta Physiol Scand** 1985 Apr; 123(4):445-56

Differing potencies and dose-response characteristics in the ability of slow-calcium-channel blockers to reduce enzyme leakage in the calcium paradox. Baker JE, et al. **Adv Myocardiol** 1985;6:637-46

Nifedipine-induced alterations in serum quinidine concentrations. Farringer JA, et al. **Am Heart J** 1984 Dec; 108(6):1570-2

Effects of nifedipine on baroreflex modulation of vascular resistance in man. Ferguson DW, et al. **Am Heart J** 1985 Jan;109(1):55-62

Myocardial catecholamine balance during angina: effects of calcium entry blockers, verapamil and nifedipine. Rouleau JL, et al. **Am Heart J** 1985 Feb;109(2):201-9

Hemodynamic effects of molsidomine, isosorbide dinitrate, and nifedipine at rest and during exercise. Schartl M, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):649-53

Effects of nifedipine on platelet function. Takahara K, et al. **Am Heart J** 1985 Jan;109(1):4-8

Role of calcium antagonists in cerebral arterial spasm. Allen GS. **Am J Cardiol** 1985 Jan 25;55(3):149B-153B

Coronary hemodynamic and metabolic effects of nifedipine in patients with coronary artery disease treated with beta-blocking drugs. Schanzenbächer P, et al. **Am J Cardiol** 1985 Jan 1;55(1):33-6

Digoxin and nifedipine. Schwartz JB. **Am J Cardiol** 1985 May 17;55(12):31E-34E (44 ref.)

Acute electrophysiologic, hemodynamic and left ventricular effects of nifedipine and beta-blocker interactions. Maintenance of global and regional left ventricular wall motion. Vetrovec GW, et al. **Am J Cardiol** 1985 May 17; 55(12):21E-26E

Nifedipine reduces the colonic motor response to eating in patients with the irritable colon syndrome. Narducci F, et al. **Am J Gastroenterol** 1985 May;80(5):317-9

Tocolytic and hemodynamic effects of nifedipine in the ewe. Golichowski AM, et al. **Am J Obstet Gynecol** 1985 Apr 15;151(8):1134-40

Nifedipine inhibits human bronchial smooth muscle contractions induced by leukotrienes C4 and D4, prostaglandin F2 alpha, and potassium. Kohrogi H, et al. **Am Rev Respir Dis** 1985 Aug;132(2):299-304

Similarities and differences in the effects of verapamil, diltiazem and nifedipine on arterial baroreflexes of anesthetized cats. Abdel-Rahman AR, et al. **Arch Int Pharmacodyn Ther** 1985 May;275(1):33-46

Comparison of the effects of verapamil and nifedipine on airway muscarinic reactivity and receptors. Cheng JB, et al. **Arch Int Pharmacodyn Ther** 1985 Jan;273(1):47-61

Effect of nifedipine treatment on cardiac myosin ATPase activity and responsiveness of cardiovascular system in the dog. Higuchi M, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):238-47

Chronic treatment with nifedipine prevents development of hypertension and abnormal red cell Na+ transport in Dahl-S-rats. Knorr A, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):248-58

The effect of calcium-channel-blocking agents on the various types of smooth muscle activation of the isolated rat uterus. Varagić VM, et al. **Arch Int Pharmacodyn Ther** 1984 Jul; 270(1):79-87

Antiatherosclerotic effects of nicardipine and nifedipine in cholesterol-fed rabbits. Willis AL, et al. **Arteriosclerosis** 1985 May-Jun;5(3):250-5

Effects of nifedipine on insulin secretion and glucose metabolism in rats and in hypertensive type 2 (non-insulin dependent) diabetics. Kanatsuna T, et al. **Arzneimittelforsch** 1985;35(2):514-7

Comparison of the effects of nifedipine on ureter and coronary artery isolated from the dog. Sakanashi M, et al. **Arzneimittelforsch** 1985;35(3):584-7

Does nifedipine suppress atherogenesis in WHHL rabbits? Van Niekerk JL, et al. **Atherosclerosis** 1984 Oct;53(1):91-8

Nifedipine limits infarct size for 24 hours in closed chest coronary embolized dogs. Yoshida S, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):76-87

Nifedipine and endocrine status in diabetic patients [letter] Abadie E, et al. **Br J Clin Pharmacol** 1984 Oct;18(4):648-50

The natriuresis following oral administration of the calcium antagonists--nifedipine and nitrendipine. Ene MD, et al. **Br J Clin Pharmacol** 1985 Apr;19(4):423-7

Influence of atenolol and nifedipine on digoxin-induced inotropism in humans. Hansen PB, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):817-22

Inhibition of histamine release from dispersed human lung and tonsillar mast cells by nicardipine and nifedipine. Kim YY, et al. **Br J Clin Pharmacol** 1985 May;19(5):631-8

Some effects of nifedipine in guinea-pig isolated trachealis. Ahmed F, et al. **Br J Pharmacol** 1985 Apr;84(4):861-9

Differential effects of D600, nifedipine and dantrolene sodium on excitation-secretion coupling and presynaptic beta-adrenoceptor responses in rat atria. Callanan KM, et al. **Br J Pharmacol** 1984 Nov;83(3):841-7

The influence of diltiazem and nifedipine on renal function in the rat. Johns EJ. **Br J Pharmacol** 1985 Mar;84(3):707-13

Comparison of effects of a new dihydropyridine, Bay K 8644, and nifedipine on spontaneous mechanical activity in rat portal vein. Mikkelsen E. **Br J Pharmacol** 1985 Jun; 85(2):383-5

The effect of gallamine, gallopamil and nifedipine on responses to acetylcholine and carbachol in the taenia of the guinea-pig caecum. Mitchelson F, et al. **Br J Pharmacol** 1984 Sep;83(1):145-55

Temperature-dependency of nifedipine as a protective agent during cardioplegia in the rat. Fukunami M, et al. **Cardiovasc Res** 1985 Feb;19(2):95-103

Common carotid haemodynamic and metabolic effects of acutely administered nifedipine in human subarachnoid haemorrhage. Payen DM, et al. **Cardiovasc Res** 1984 Oct; 18(10):626-31

Beneficial effects of nifedipine on rest and exercise myocardial energetics in patients with congestive heart failure. Magorien RD, et al. **Circulation** 1984 Nov; 70(5):884-90

Hemodynamic and humoral responses to enalapril and nifedipine in the rat. Vincent ME, et al. **Clin Exp Hypertens [A]** 1984;6(8):1485-97

Effects of nifedipine and diltiazem on plasma levels and renal excretion of beta-acetyldigoxin. Kuhlmann J. **Clin Pharmacol Ther** 1985 Feb;37(2):150-6

Nifedipine and alpha adrenoceptor antagonism. Murphy MB, et al. **Clin Pharmacol Ther** 1984 Dec;36(6):745-9

Lack of differential inhibition by nifedipine of pressor responses induced by alpha 1- and alpha 2-adrenoceptor agonists and by angiotensin II in anaesthetized cats. Alabaster VA, et al. **Clin Sci** 1985;68 Suppl 10:73s-75s

Influence of blood gases, Ca2+-entry blockade and angiotensin converting enzyme inhibition on pressor responses to alpha-adrenoceptor agonists: evidence in vivo for subtypes of response independent of receptor subtype? O'Brien JW, et al. **Clin Sci** 1985;68 Suppl 10:99s-104s

Effect of nifedipine on gastric emptying in normal subjects. Traube M, et al. **Dig Dis Sci** 1985 Aug;30(8):710-2

Separate and combined effects of nadolol and nifedipine on the cardiac response to exercise. Wilkins MR, et al. **Eur J Clin Pharmacol** 1985;28(2):113-7

Nifedipine on cardiovascular leukotriene D4 actions in the anaesthetized dog. Fiedler VB, et al. **Eur J Pharmacol** 1984 Sep 3;104(1-2):159-64

Left ventricular unloading with calcium antagonists. Guazzi MD. **G Ital Cardiol** 1984 Sep;14(9):694-8

Effects of nifedipine on human placental arteries. Maigaard S, et al. **Gynecol Obstet Invest** 1984;18(4):217-24

Nifedipine does not impair the hormonal responses to graded exercise in healthy subjects. Joffe BI, et al. **Horm Res** 1985; 21(2):88-94

Does renin determine the blood pressure response to calcium entry blockers? Waeber B, et al. **Hypertension** 1985 Mar-Apr;7(2):223-7

Effect of nifedipine on coronary hemodynamics in patients with left anterior descending coronary occlusion. Feldman RL, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):318-25

Inotropic, vascular and neuroendocrine effects of nifedipine in heart failure: comparison with nitroprusside. Fifer MA, et al. **J Am Coll Cardiol** 1985 Mar;5(3):731-7

Effects of nifedipine on responses to exercise in normal subjects. Raffestin B, et al. **J Appl Physiol** 1985 Mar; 58(3):702-9

Relationship of thyrotropin-releasing hormone-induced spike and plateau phases in cytosolic free Ca2+ concentrations to hormone secretion. Selective blockade using ionomycin and nifedipine. Albert PR, et al. **J Biol Chem** 1984 Dec 25;259(24):15350-63

Effects of intracoronary nifedipine on blood flow and segment shortening in normal and ischemic myocardium: potentiation by ischemia of the negative inotropic effect. Abrahamsson T, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb;7(1):131-8

Pharmacodynamic comparison of verapamil and nifedipine in anesthetized dogs. Hamann SR, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):224-31

Comparison of the calcium antagonistic activity of nifedipine and FR34235 in the canine saphenous vein. Jim KF, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):458-62

Improved recovery of myocardial segment function following a short coronary occlusion in dogs by nicorandil, a potential new antianginal agent, and nifedipine. Lamping KA, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb; 7(1):158-66

Effects of nifedipine on the hypotensive actions of alpha 2-agonists in conscious spontaneously hypertensive rats. Lappe RW, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 5:S748-52

Comparison of the acute hemodynamic effects of nifedipine with nitrendipine and a study of the electrophysiological effects of nitrendipine in man. Rutsch W, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1011-5

Modulation of calcium ion influx by the 1,4-dihydropyridines nifedipine and BAY K 8644. Schramm M, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):493-6

Alterations in myocardial uptake of glutamate and release of alanine after propranolol, nifedipine, and glyceryl trinitrate in coronary artery disease. Thomassen A, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):394-400

Inhibition of platelet aggregation by oral digoxin and reversal with nifedipine. Ware JA, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):262-6

Frequency-dependence of Vmax in K-depolarized guinea pig ventricle: effects of nifedipine and verapamil. Woods JP, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb; 7(1):197-204

Nifedipine increases cholesteryl ester hydrolytic activity in lipid-laden rabbit arterial smooth muscle cells. A possible mechanism for its antiatherogenic effect. Etingin OR, et al. **J Clin Invest** 1985 May;75(5):1554-8

Antihypertensive action of nifedipine: effects on arteries and veins. Masotti G, et al. **J Clin Pharmacol** 1985 Jan-Feb; 25(1):27-35

Effect of 1,25-dihydroxyvitamin D3 and nifedipine on prolactin release in normal man. Verbeelen D, et al. **J Endocrinol Invest** 1985 Apr;8(2):103-6

Haemodynamic effects of nifedipine in essential hypertension at rest and during exercise. Lund-Johansen P, et al. **J Hypertens** 1983 Aug;1(2):159-63

Increase in the slow inward current by intracellularly applied nifedipine and nicardipine in single ventricular cells of the guinea-pig heart. Iijima T, et al. **J Mol Cell Cardiol** 1984 Dec;16(12):1173-7

Calcium channels are 'unblocked' within a few milliseconds after photoremoval of nifedipine. Nerbonne JM, et al. **J Mol Cell Cardiol** 1985 May;17(5):511-5

The effect of nifedipine and verapamil on the pendular movements of the rabbit isolated ileum. Beleslin DB, et al. **J Pharm Pharmacol** 1985 Apr;37(4):276-7

Invariable susceptibility to blockade by nifedipine of vasoconstriction to various alpha 2-adrenoceptor agonists in pithed rats. Timmermans PB, et al. **J Pharm Pharmacol** 1984 Nov;36(11):772-5

Nifedipine and alpha adrenoceptors in rat aorta. II. Role of extracellular calcium in enhanced alpha-2 adrenoceptor-mediated contraction in diabetes. Scarborough NL, et al. **J Pharmacol Exp Ther** 1984 Dec; 231(3):603-9

Nifedipine and alpha adrenoceptors in rat aorta. I. Role of extracellular calcium in alpha-1 and alpha-2 adrenoceptor-mediated contraction. Scarborough NL, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):597-602

Is antagonism by Bay k 8644 of the negative dromotropic effect of nifedipine pharmacological? Taira N, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):244-50

Effect of calcium antagonists on the biosynthesis and contractile effects of peptidoleukotrienes in rhesus monkey lung. Weichman BM, et al. **J Pharmacol Exp Ther** 1985 May;233(2):345-51

Effects of nifedipine on coronary vasculature in canine models of dynamic and fixed coronary stenoses. Yokoyama M, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):845-52

Effects of nifedipine in achalasia and patients with high-amplitude peristaltic esophageal contractions [letter] Román FJ, et al. **JAMA** 1985 Apr 12;253(14):2046-7

Effects of nifedipine and diltiazem on hemodynamic responses at rest and during exercise in hypertensive patients. Yamakado T, et al. **Jpn Circ J** 1985 Apr; 49(4):415-21

Studies on the role of sodium- and potassium-activated adenosine triphosphatase inhibition in the pathogenesis of human hypertension. Changes in vascular and cardiac function following inhibition of the sodium pump in normotensive subjects and effects of calcium entry blockade. Kramer HJ, et al. **Klin Wochenschr** 1985 Jan 2; 63(1):32-6

Facilitation of isoproterenol induced airway smooth muscle relaxation by nifedipine. Elguindi AS, et al. **Life Sci** 1985 Jan 7;36(1):75-81

Effect of nifedipine on TRH stimulation of TSH and PRL release by the pituitary gland. Teba L, et al. **Metabolism** 1985 Feb;34(2):161-3

The behavioral effects of the calcium agonist Bay K 8644 in the mouse: antagonism by the calcium antagonist nifedipine. Bolger GT, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):373-7

Competitive interactions between Bay K 8644 and nifedipine in K+ depolarized smooth muscle: a passive role for Ca2+? Spedding M. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):464-6

Effects of the irreversible alpha-adrenoceptor antagonists phenoxybenzamine and benextramine on the effectiveness of nifedipine in inhibiting alpha 1- and alpha 2-adrenoceptor mediated vasoconstriction in pithed rats. Timmermans PB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):404-13

Lack of relationship between intrinsic activity and susceptibility of pressor responses to blockade by nifedipine among the alpha 2-adrenoceptor agonists B-HT 920 and B-HT 958. Wilffert B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):90-2

Hemodynamic effects of nifedipine in normoxic and hypoxic newborn lambs. Philips JB 3d, et al. **Pediatr Pharmacol (New York)** 1985;5(1):23-30

Comparative effects of verapamil, nifedipine, and diltiazem on contractile function in the isolated immature and adult rabbit heart. Boucek RJ Jr, et al. **Pediatr Res** 1984 Oct; 18(10):948-52

Effect of chronic elevation of plasma calcium concentration by PTH or vitamin D3 on blood pressure and hypotensive activity of nifedipine in rats. Jonkman FA, et al. **Pflugers Arch** 1984 Dec;402(4):341-4

Effects of nicardipine or nifedipine added to propranolol in patients with coronary artery disease. Pouleur H, et al. **Postgrad Med J** 1984;60 Suppl 4:23-8

Effects of verapamil and nifedipine on renal function and hemodynamics in the dog. Bell AJ, et al. **Renal Physiol** 1984;7(6):329-43

Nifedipine has no effects on electrolytic equilibrium and hemoglobin oxygen affinity of human blood in vitro. Bernasconi C, et al. **Res Commun Chem Pathol Pharmacol** 1984 Nov; 46(2):227-33

Nifedipine enhances the bronchodilator effect of salbutamol [letter] Miller MR. **Thorax** 1985 May;40(5):399

[Effect of m-nifedipine, a calcium antagonist, on cardiac performance and oxygen consumption in anesthetized animal: a comparison with nifedipine] Rao MR, et al. **Yao Hsueh Hsueh Pao** 1984 Feb;19(2):101-7 (Eng. Abstr.) **(Chi)**

[Effects of nifedipine and verapamil on body temperature in cats] Samardžić R, et al. **C R Soc Biol (Paris)** 1984; 178(4):382-6 (Eng. Abstr.) **(Fre)**

[Effect of corinfar on histamine- or acetylcholine-induced bronchial spasm] Toldi Z, et al. **Orv Hetil** 1985 May 26; 126(21):1277-9 (Eng. Abstr.) **(Hun)**

[Influence of nifedipine on blood calcium and on the plasma levels of FSH and LH. Clinical contribution] Manfredi M, et al. **Clin Ter** 1984 Jun 15;109(5):451-3 (Eng. Abstr.) **(Ita)**

[Vasodilator therapy in ischemic heart disease] Yamazaki H, et al. **J Cardiogr** 1984;14 Suppl 3:61-8 (Eng. Abstr.) **(Jpn)**

[Effects of nifedipine on left ventricular systolic and diastolic functions in left ventricular hypertrophy] Narita M, et al. **Kaku Igaku** 1984 Oct;21(10):1267-76 (Eng. Abstr.) **(Jpn)**

[The influence of verapamil and nifedipine on neuromuscular blocking agents] Fukushima K, et al. **Masui** 1984 Dec; 33(12):1346-50 (Eng. Abstr.) **(Jpn)**

[Effects of sublingual nifedipine on hemodynamic responses to exercise in patients with myocardial infarction] Fukui S, et al. **Nippon Naika Gakkai Zasshi** 1985 May; 74(5):558-63 **(Jpn)**

[Effect of nifedipine in the isolated heart and vessels] Armelin E, et al. **Arq Bras Cardiol** 1984 Aug;43(2):115-8 (Eng. Abstr.) **(Por)**

[Echocardiographic and arterial pressure changes after acute and prolonged (3 months) administration of nifedipine] Gutiérrez Palau L, et al. **Med Clin (Barc)** 1984 Jun 23; 83(4):146-50 (Eng. Abstr.) **(Spa)**

[Calcium antagonists: pharmacological cardiovascular effects of nifedipine] Camilión de Hurtado MC, et al. **Medicina (B Aires)** 1984;44(2):137-44 (Eng. Abstr.) **(Spa)**

[Effect of the calcium antagonists nifedipine and nimodipine on the cerebral circulation] Alborch E, et al. **Rev Esp Cardiol** 1985 May-Jun;38(3):163-9 (Eng. Abstr.) **(Spa)**

[Diastolic properties of the left ventricle in hypertensive cardiopathy. Acute effect of nifedipine, verapamil and diltiazem] Alonso Gómez AM, et al. **Rev Esp Cardiol** 1984 May-Jun;37(3):169-74 (Eng. Abstr.) **(Spa)**

[Effects of various calcium antagonists on the muscular activity of the guinea pig ileum] Carvajal García-Pando A, et al. **Rev Esp Enferm Apar Dig** 1985 May;67(5):405-8 (Eng. Abstr.) **(Spa)**

[Effect of nifedipine on the fast phase of insulin secretion stimulated by glucose in the normal male] Marín PP, et al. **Rev Med Chil** 1984 Sep;112(9):867-70 (Eng. Abstr.) **(Spa)**

POISONING

Clinical features and management of nifedipine overdosage in a patient with renal insufficiency. Schiffl H, et al. **J Toxicol Clin Toxicol** 1984;22(4):387-95

THERAPEUTIC USE

Hemodynamic effects of nifedipine on secondary pulmonary hypertension in man. Garzaniti N, et al. **Acta Cardiol (Brux)** 1985;40(2):207-15

Verapamil and nifedipine limit infarct size in the dog. Downey JM, et al. **Adv Myocardiol** 1985;6:529-43

Clinical and hemodynamic effects of combined propranolol and nifedipine therapy versus propranolol alone in patients with angina pectoris. Braun S, et al. **Am Heart J** 1985 Mar; 109(3 Pt 1):478-85

Long-acting nifedipine in moderate and severe hypertensive patients with serious concomitant diseases. Bursztyn M, et al. **Am Heart J** 1985 Jul;110(1 Pt 1):96-101

Isosorbide dinitrate and nifedipine in variant angina pectoris. Conti CR, et al. **Am Heart J** 1985 Jul;110(1 Pt 2):251-6 (19 ref.)

Chest pain after nontransmural infarction: the absence of remediable coronary vasospasm. Eisenberg PR, et al. **Am Heart J** 1985 Sep;110(3):515-21

Nifedipine in congestive heart failure: effects on resting and exercise hemodynamics and regional blood flow. Leier CV, et al. **Am Heart J** 1984 Dec;108(6):1461-8

Use of nifedipine to decrease ischemic-reperfusion injury in the surgical setting. Clark RE, et al. **Am J Cardiol** 1985 Jan 25;55(3):125B-138B

Hemodynamic effects of nifedipine given alone and in combination with atenolol in patients with impaired left ventricular function. de Buitleir M, et al. **Am J Cardiol** 1985 May 17;55(12):15E-20E

Spectrum of acute hemodynamic effects of nifedipine in severe congestive heart failure. Elkayam U, et al. **Am J Cardiol** 1985 Sep 15;56(8):560-6

Comparison of antianginal efficacy of nifedipine and isosorbide dinitrate in chronic stable angina: a long-term, randomized, double-blind, crossover study. Liang CS, et al. **Am J Cardiol** 1985 May 17;55(12):9E-14E

Addition of nifedipine to maximal beta-blocker-nitrate therapy: effects on exercise capacity and global left ventricular performance at rest and during exercise. Nesto RW, et al. **Am J Cardiol** 1985 May 17;55(12):3E-8E

Nifedipine in acute myocardial infarction. Pearle DL. **Am J Cardiol** 1984 Dec 21;54(11):21E-23E (19 ref.)

Relation of antianginal efficacy of nifedipine to degree of coronary arterial narrowing and to presence of coronary collateral vessels. Schulz W, et al. **Am J Cardiol** 1985 Jan 1;55(1):26-32

Addition of nifedipine to maximal nitrate and beta-adrenoreceptor blocker therapy in coronary artery disease. White HD, et al. **Am J Cardiol** 1985 May 1; 55(11):1303-7

Propranolol-verapamil versus propranolol-nifedipine in severe angina pectoris of effort: a randomized, double-blind, crossover study. Winniford MD, et al. **Am J Cardiol** 1985 Feb 1;55(4):281-5

Use of nifedipine during cardiac surgery for improved myocardial protection. Clark RE, et al. **Am J Med** 1985 Feb 22;78(2B) 6-8

Use of calcium channel blockers in hypertrophic cardiomyopathy. Lorell BH. **Am J Med** 1985 Feb 22; 78(2B):43-54

Nifedipine in the treatment of Raynaud's phenomenon. Evidence for inhibition of platelet activation. Malamet R, et al. **Am J Med** 1985 Apr;78(4):602-8

Role of nifedipine in the treatment of resistant hypertension. Comparison with hydralazine in hospital outpatients. Murphy MB, et al. **Am J Med** 1984 Aug 31;77(2B):16-21

Differential inhibition of bronchoconstriction by the calcium channel blockers, verapamil and nifedipine. Solway J, et al. **Am Rev Respir Dis** 1985 Sep;132(3):666-70

Nifedipine and cardiopulmonary bypass. Post-bypass management after continuation or withdrawal of therapy. Casson WR, et al. **Anaesthesia** 1984 Dec;39(12):1197-201

Efficacy of oral nifedipine in the treatment of reflex sympathetic dystrophy. Prough DS, et al. **Anesthesiology** 1985 Jun;62(6):796-9

Fibromuscular hyperplasia of the brachial artery—failure of calcium antagonist therapy. Olson LA, et al. **Angiology** 1984 Dec;35(12):790-6

Nifedipine does not alter methacholine-induced bronchial reactivity. Matthews JI, et al. **Ann Allergy** 1984 Dec; 53(6):462-7

Nifedipine and ureteral colic [letter] Carrol W. **Ann Intern Med** 1985 Jun;102(6):864

Treatment of normotensive and hypertensive patients with preterm labor using oral nifedipine, a calcium antagonist. Ulmsten U. **Arch Gynecol** 1984;236(2):69–72

Nifedipine in antihypertensive therapy [letter] Bursztyn M, et al. **Arch Intern Med** 1985 May;145(5):953–4

Nifedipine in the treatment of systemic hypertension. Frishman WH, et al. **Arch Intern Med** 1984 Dec;144(12):2335–6

Nifedipine in severely hypertensive patients with congestive heart failure and preserved ventricular systolic function. Given BD, et al. **Arch Intern Med** 1985 Feb;145(2):281–5

Chewing nifedipine to rapidly treat hypertension. Haft JI, et al. **Arch Intern Med** 1984 Dec;144(12):2357–9

Effects and mechanism of nifedipine after oral, sublingual, intravenous and intracoronary administration. Survey on clinical results. Ebner F. **Arq Bras Cardiol** 1984 Aug;43(2):81–6

Acebutolol and nifedipine in the treatment of arterial hypertension: efficacy and acceptability. de Divitiis O, et al. **Arzneimittelforsch** 1984;34(6):710–5

Acute effects of nifedipine on patients with chronic obstructive lung disease. Ikeda H, et al. **Arzneimittelforsch** 1985;35(2):518–21

Healing of malignant hypertensive arteriopathy in Dahl rats by nifedipine. Luckhaus G, et al. **Arzneimittelforsch** 1985;35(1):115–21

Protective effect of nifedipine upon digitalis intoxication. Perez-Olea J, et al. **Arzneimittelforsch** 1984;34(10):1271–4

Treatment of a phaeochromocytoma of the urinary bladder with nifedipine. Lenders JW, et al. **Br Med J [Clin Res]** 1985 Jun 1;290(6482):1624–5

Effect of nifedipine and propranolol on blood flow, venous compliance and blood pressure in essential hypertension. Ogilvie RI. **Can Med Assoc J** 1985 May 15;132(10):1137–41

The effect of nifedipine on normal and ischemic left ventricular function during atrial pacing stress. Weiss AT, et al. **Cardiology** 1984;71(4):190–8

Safety of nifedipine in subjects with bronchial asthma and COPD. Nair N, et al. **Chest** 1984 Oct;86(4):515–8

Comparative modification of antigen-induced bronchoconstriction by the calcium antagonists, nifedipine and verapamil. Russi EW, et al. **Chest** 1985 Jul;88(1):74–8

Effects of nifedipine on systemic and regional oxygen transport and metabolism at rest and during exercise. Choong CY, et al. **Circulation** 1985 Apr;71(4):787–96

Evolution of infarct size during the early use of nifedipine in patients with acute myocardial infarction: the Norwegian Nifedipine Multicenter Trial. Sirnes PA, et al. **Circulation** 1984 Oct;70(4):638–44

Improvement in exercise capacity and associated changes in hemodynamics and left ventricular function after the addition of metoprolol to nifedipine in patients with stable exertional angina. Choong CY, et al. **Clin Cardiol** 1985 Apr;8(4):213–24

Detection of a diurnal rhythm in arterial blood pressure in the evaluation of 24-hour antihypertensive therapy. Germanó G, et al. **Clin Cardiol** 1984 Oct;7(10):525–35

Lack of inhibition of anterior pituitary hormone release during chronic treatment with calcium antagonists. D'Armiento M, et al. **Clin Endocrinol (Oxf)** 1984 Sep;21(3):233–7

Ambulatory BP monitoring after acute administration of slow release nifedipine, alone or in combination with acebutolol, in systo-diastolic and in systolic hypertension. Strano A, et al. **Clin Exp Hypertens** [A] 1985;7(2–3):391–4

Forearm vascular responses in normotensives and hypertensives after sublingual nifedipine. Houston DS, et al. **Clin Invest Med** 1985;8(1):56–61

Nifedipine in hemodialyzed patients [letter] Hannedouche T, et al. **Clin Nephrol** 1985 Jun;23(6):319

Salt-induced hypertension in the 'Sabra' rat strain: influence of nifedipine treatment. Garthoff B, et al. **Clin Sci** 1985 May;68(5):495–501

Preoperative management of pheochromocytoma with the calcium-antagonist nifedipine. Chimori K, et al. **Clin Ther** 1985;7(3):372–9

Slow-release nifedipine for treatment of arterial hypertension in patients with chronic renal failure. Ambroso GC, et al. **Contrib Nephrol** 1984;41:304–5

Evaluation of the effect of nifedipine in men after myocardial infarction. Málek I, et al. **Cor Vasa** 1984;26(4):248–56

Effect of nifedipine in Raynaud's disease: a case report. Maguire FW. **Del Med J** 1984 Jul;56(7):393–8

Angioedematous urticaria in a diabetic patient successfully treated with nifedipine [letter] Bernstein RK. **Diabetes Care** 1985 Mar–Apr;8(2):197–8

The management of preterm labor with the calcium channel-blocking agent nifedipine combined with the beta-mimetic terbutaline. Kaul AF, et al. **Drug Intell Clin Pharm** 1985 May;19(5):369–71

Comparative trial of felodipine and nifedipine in refractory hypertension. Aberg H, et al. **Drugs** 1985;29 Suppl 2:117–23

Acute effects of nifedipine in African hypertensives. Sanderson JE, et al. **East Afr Med J** 1984 Mar;61(3):242–5

Influence of nifedipine on coronary haemodynamics and myocardial metabolism in coronary artery disease. Bagger JP, et al. **Eur Heart J** 1985 Jan;6(1):75–84

Effect of long-term oral nifedipine therapy on left ventricular regional wall function at rest and during supine bicycle exercise. Bos RJ, et al. **Eur Heart J** 1985 Apr;6(4):349–57

Complexity of enzyme release during acute myocardial infarction in a controlled study with early nifedipine treatment. Loogna E, et al. **Eur Heart J** 1985 Feb;6(2):114–9

Reversal of left ventricular hypertrophy and improvement of cardiac function in man by nifedipine. Strauer BE, et al. **Eur Heart J** 1984 Dec;5 Suppl F:53–60

Afterload reduction by nifedipine—the acute haemodynamic response to exercise in hypertensive subjects. Wathen CG, et al. **Eur Heart J** 1985 Apr;6(4):358–64

Long acting nifedipine in the treatment of severe hypertension. Bursztyn M, et al. **Eur J Clin Pharmacol** 1984;27(1):13–7

Changes in left ventricular mass during a double-blind study with chlorthalidone and slow-release nifedipine. Ferrara LA, et al. **Eur J Clin Pharmacol** 1984;27(5):525–8

Effects of BAY 1 5240, a fixed combination of low dose nifedipine and acebutolol on hypertension: comparison with standard dose nifedipine. Lejeune P, et al. **Eur J Clin Pharmacol** 1985;28(1):17–21

Comparative efficacy of nicardipine, a new calcium antagonist, versus nifedipine in effort stable angina. Di Pasquale G, et al. **G Ital Cardiol** 1984 Aug;14(8):618–20

Nifedipine: a potent inhibitor of contractions in the body of the human esophagus. Studies in healthy volunteers and patients with the nutcracker esophagus. Richter JE, et al. **Gastroenterology** 1985 Sep;89(3):549–54

Clinical and hemodynamic effects during treatment of vascular headaches with verapamil. Meyer JS, et al. **Headache** 1984 Nov;24(6):313–21

Acute effect of sublingual nifedipine on right ventricular systolic time intervals in primary pulmonary hypertension—an echocardiographic study. Wasir HS, et al. **Indian Heart J** 1985 Mar–Apr;37(2):78–81

Acute effect of nifedipine on left and right ventricular functions in patients with ischaemic heart disease—a radionuclide ventriculography study. Wasir HS, et al. **Indian Heart J** 1984 May–Jun;36(3):147–51

Nifedipine in heart failure. Charlap S, et al. **Int J Cardiol** 1984 Dec;6(6):665–71 (21 ref.)

Use of nifedipine in hypertrophic cardiomyopathy in infants. A report of two cases. Dickinson DF, et al. **Int J Cardiol** 1985 Feb;7(2):159–60

Comparative efficacy of nicardipine, a new calcium antagonist, versus nifedipine in stable effort angina. Di Pasquale G, et al. **Int J Cardiol** 1984 Dec;6(6):673–88

Abnormal heart rate control in vasospastic angina: effects of calcium antagonists. Sato I, et al. **Int J Cardiol** 1985 Jul;8(3):313–25

Nifedipine treatment of Raynaud's phenomenon in a paediatric age. Matucci Cerinic M, et al. **Int J Clin Pharmacol Res** 1985;5(1):67–9

Nifedipine in scleroderma ulcerations. Woo TY, et al. **Int J Dermatol** 1984 Dec;23(10):678–80

Urticaria pigmentosa responsive to nifedipine. Fairley JA, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 2):740–3

Renal hemodynamic effects of vasodilation with nifedipine and hydralazine in patients with heart failure. Elkayam U, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1261–7

Noninvasive assessment of acute effects of nifedipine on rest and exercise hemodynamics and cardiac function in patients with aortic regurgitation. Shen WF, et al. **J Am Coll Cardiol** 1984 Nov;4(5):902–7

Relationships between the severity of myocardial ischaemia, reperfusion-induced ventricular fibrillation, and the late administration of dazmegrel or nifedipine. Coker SJ, et al. **J Cardiovasc Pharmacol** 1985 Mar–Apr;7(2):327–34

Captopril: contrasting effects of adding hydrochlorothiazide, propranolol, or nifedipine. MacGregor GA, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 1:S82–7

Effect of chronic nifedipine in patients inadequately controlled by a converting enzyme inhibitor and a diuretic. Mimran A, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 1:S92–5

Therapeutic effect of calcium channel blockade in primary aldosteronism. Nadler JL, et al. **J Clin Endocrinol Metab** 1985 May;60(5):896–9

Nifedipine in the treatment of hypertension in the elderly. Stessman J, et al. **J Clin Pharmacol** 1985 Apr;25(3):193–6

The lack of effect of nifedipine on failing skin flaps. Miller AP, et al. **J Dermatol Surg Oncol** 1985 Jun;11(6):612–3

Comparative effects of nisoldipine, nifedipine and bepridil on experimental pulmonary hypertension. Archer SL, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):12–7

Slow-release nifedipine versus placebo in the treatment of arterial hypertension. A double blind ergometric evaluation of cardiac workload. de Simone G, et al. **Jpn Heart J** 1985 Mar;26(2):219–25

Calcium antagonists in patients with cardiovascular disease. Current perspectives. Winniford MD, et al. **Medicine (Baltimore)** 1985 Jan;64(1):61–73 (172 ref.)

A comparison of the efficacy of an alpha-I-adrenergic blocker in the slow calcium channel blocker in the control of autonomic dysreflexia. Lindan R, et al. **Paraplegia** 1985 Feb;23(1):34–8

The effect of calcium antagonists on hypoxic pulmonary hypertension in the piglet. Dickstein PJ, et al. **Pediatr Res** 1984 Dec;18(12):1262–5

Antianginal drug effects on normal, ischemic and scar myocardial segments in man. Pfisterer M, et al. **Scand J Clin Lab Invest [Suppl]** 1984;173:65–73

Primary esophageal motor disorders: clinical response to nifedipine. Nasrallah SM, et al. **South Med J** 1985 Mar;78(3):312–5

Symptoms of clinically silent intracranial mass lesions precipitated by treatment with nifedipine. Catchings TT, et al. **Surg Neurol** 1985 Aug;24(2):151–2

Severe unilateral ischemia of the lower extremity caused by ergotamine: treatment with nifedipine. Dagher FJ, et al. **Surgery** 1985 Mar;97(3):369–73

[Is the administration of nifedipine to asthmatics without danger?] Rotrekl P, et al. **Vnitr Lek** 1985 Jun;31(6):555–9 (Eng. Abstr.) (Cze)

[Effects of nifedipine on carbohydrate metabolism in the non-insulin dependent diabetic] Abadie E, et al. **Diabete Metab** 1985 Jun;11(3):141–6 (Eng. Abstr.) (Fre)

[Hemodynamic effects with intravenous infusion of nifedipine (Adalat) in cardiosurgical patients] Boldt J, et al. **Anasth Intensivther Notfallmed** 1985 Feb;20(1):25–31 (Eng. Abstr.) (Ger)

[Long-term therapy of stress angina pectoris by a single daily administration of 120 mg isosorbide dinitrate in retard form. Comparison of monotherapy and combination therapy with atenolol and nifedipine] Blasini R, et al. **Herz** 1985 Jun;10(3):163–71 (Eng. Abstr.) (Ger)

[Experiences with nifedipine in the treatment of acute hypertension in childhood] Stopfkuchen H, et al. **Monatsschr Kinderheilkd** 1985 Apr;133(4):243–6 (Eng. Abstr.) (Ger)

[Nifedipine in the hypertensive crisis—effect of intravenous administration] Baumgart P, et al. **Schweiz Rundsch Med Prax** 1985 May 7;74(19):496–8 (Eng. Abstr.) (Ger)

[The hypertensive emergency and severe hypertension: experiences with nifedipine] Groth H, et al. **Schweiz Rundsch Med Prax** 1985 May 7;74(19):491–5 (Eng. Abstr.) (Ger)

[Nifedipine in therapy-resistant hypertension] Stricker M, et al. **Schweiz Rundsch Med Prax** 1985 May 7;74(19):499–502 (Eng. Abstr.) (Ger)

[Effect of calcium antagonists (nifedipine) on nephrocalcinosis and calcium excretion in the rat] Bichler KH, et al. **Urol Int** 1985;40(1):13–21 (Eng. Abstr.) (Ger)

[Long-term therapy of hypertrophic obstructive and non-obstructive cardiomyopathy with nifedipine in comparison to propranolol] Cserhalmi L, et al. **Z Gesamte Inn Med** 1984 Jul 15;39(14):330–5 (Eng. Abstr.) (Ger)

[Effectiveness of the calcium antagonist nifedipine and the protease inhibitor with plasmin inactivating effect para-aminomethylbenzoic acid on stress-induced bronchial asthma] Mohorn M, et al. **Z Gesamte Inn Med** 1984 Nov 1;39(21):527–30 (Eng. Abstr.) (Ger)

[Antihypertensive effect of nitrendipine, nifedipine and acebutolol and their combination on resting and exercise blood pressure in hypertensive patients] Franz IW, et al. **Z Kardiol** 1985 Feb;74(2):111–6 (Eng. Abstr.) (Ger)

[Comparative studies on the anti-arrhythmic and anti-fibrillatory effectiveness of verapamil and nifedipine following acute coronary artery occlusion and reperfusion] Gülker H, et al. **Z Kardiol** 1984 Aug;73(8):515–24 (Eng. Abstr.) (Ger)

[Anti-angina effect of gallopamil in comparison with another calcium antagonist and a placebo] Hopf R, et al. **Z Kardiol** 1984 Sep;73(9):578–85 (Eng. Abstr.) (Ger)

[Use of Nifedipine (Corinfar) in hypertensive emergencies] Kiss I, et al. **Orv Hetil** 1985 Jan 20;126(3):149–50 (Eng. Abstr.) (Hun)

[Nifedipine in hypertensive emergencies] Magrini F. **Boll Soc Ital Cardiol** 1984 Sep–Oct;29(9–10):444–6 (Ita)

[Therapy of hypertension with nifedipine] Muiesan G. **Boll Soc Ital Cardiol** 1984 Sep–Oct;29(9–10):437–8 (Ita)

[Nifedipine in chronic kidney failure] Ponticelli C. **Boll Soc Ital Cardiol** 1984 Sep–Oct;29(9–10):447–8 (Ita)

[Nifedipine, captopril and nonsteroidal anti-inflammatory agents] Salvetti A. **Boll Soc Ital Cardiol** 1984 Sep–Oct;29(9–10):442–3 (Ita)

[Treatment of essential arterial hypertension with nifedipine: relation between changes of arterial pressure and plasma renin activity] Vulpis V, et al. **Cardiologia** 1984 Dec;29(12):653–9 (Eng. Abstr.) (Ita)

[The use of nifedipine in the treatment of hypertensive crises in patients with chronic uremia undergoing periodic hemodialysis] Russo G, et al. **Clin Ter** 1985 Jan 15;112(1):37–44 (Eng. Abstr.) (Ita)

[Effect of nifedipine on peripheral blood flow in patients with atherosclerotic arterial disease of the lower limbs. A controlled study] Savi L, et al. **Clin Ter** 1985 Mar 15;112(5):419–22 (Eng. Abstr.) (Ita)

[Efficacy of treatment with hydroalcoholic solutions of nifedipine in various cardiovascular emergencies] Tronconi L, et al. **Clin Ter** 1985 Feb 15;112(3):241–8 (Eng. Abstr.) (Ita)

[Antihypertensive effect of nasal nifedipine and its plasma concentration during anesthesia and surgery] Yamaoka H, et al. **Masui** 1985 May;34(5):632–6 (Eng. Abstr.) (Jpn)

[Comparative double-blind, randomized, crossover study controlled with placebo, of the efficacy of depot nifedipine in patients refractory to basic antihypertensive therapy] Bozza AE, et al. **Arq Bras Cardiol** 1984 Sep;43(3):213–7 (Eng. Abstr.) (Por)

[Comparison of the anti-hypertensive effects of combinations of nifedipine retard with acebutolol or atenolol] da Costa PS, et al. **Arq Bras Cardiol** 1984 Oct;43(4):279–82 (Eng. Abstr.) (Por)

[Comparative double-blind, crossover and randomized study of the antihypertensive activity of nifedipine in primary arterial hypertension] de Mendonça JV, et al. **Arq Bras Cardiol** 1984 Sep;43(3):219-22 (Eng. Abstr.) **(Por)**

[Immediate antihypertensive effect of nifedipine] Jabur P, et al. **Arq Bras Cardiol** 1984 May;42(5):373-6 (Eng. Abstr.) **(Por)**

[Acute hemodynamic effects of nifedipine in hypertensive patients] Koválszki P, et al. **Rev Med Interna [Med Interna]** 1984 Jul-Aug;36(4):303-8 (Eng. Abstr.) **(Rum)**

[Emergency treatment of paroxysmal arterial hypertension with nifedipine] Moldovan T, et al. **Rev Med Interna [Med Interna]** 1984 Sep-Oct;36(5):413-5 (Eng. Abstr.) **(Rum)**

[Treatment of arterial hypertension with calcium antagonists] Gurgenian SV, et al. **Kardiologiia** 1985 Jan;25(1):38-41 (Eng. Abstr.) **(Rus)**

[Effect of korinfar on the central and peripheral hemodynamics of hypertension patients] Prokopova TN. **Kardiologiia** 1985 May;25(5):105-7 **(Rus)**

[Comparative effectiveness of finoptin, corinfar and their combination in patients with angina pectoris] Sagirov AM, et al. **Kardiologiia** 1984 Nov;24(11):91-6 (Eng. Abstr.) **(Rus)**

[Arrest of a sudden rise in arterial pressure with nifedipine (corinfar)] Anshelevich IuV, et al. **Klin Med (Mosk)** 1984 Nov;62(11):35-8 (Eng. Abstr.) **(Rus)**

[Corinfar in the treatment of Raynaud's syndrome in systemic scleroderma (preliminary results)] Shcherbakov AB, et al. **Ter Arkh** 1985;57(5):141-4 (Eng. Abstr.) **(Rus)**

[Rheological properties of blood in patients with stenocardia during treatment with obsidan, corvatone and corinfar] Korabel'shchikova NI, et al. **Vrach Delo** 1985 Apr;(4):19-21 (Eng. Abstr.) **(Rus)**

[Effect of nifedipine (adalate) in neurology patients with arterial hypertension] Shtok VN, et al. **Zh Nevropatol Psikhiatr** 1985;85(1):56-9 (Eng. Abstr.) **(Rus)**

[Treatment of essential dysmenorrhea with a coronary vasodilator] Vázquez Camacho L. **Ginecol Obstet Mex** 1983 Jul;51(315):187-90 (Eng. Abstr.) **(Spa)**

[Nifedipine in intermittent claudication (letter)] Gascón Ramón G. **Med Clin (Barc)** 1984 Dec 15;83(20):866-7 **(Spa)**

[Hypertensive crisis: treatment of emergencies with nifedipine (letter)] Grilo A, et al. **Med Clin (Barc)** 1984 Nov 24;83(17):732 **(Spa)**

[Use of nifedipine in the treatment of hypertensive crisis (editorial)] Roca-Cusachs A. **Med Clin (Barc)** 1984 Nov 24;83(17):712-4 **(Spa)**

[Immediate effects of nifedipine and oxygen in acute episodes of chronic cor pulmonale] Santos Bouza AA, et al. **Med Clin (Barc)** 1985 Feb 9;84(5):176-80 (Eng. Abstr.) **(Spa)**

[Parallel double-blind clinical trial of nifedipine versus a placebo in patients with chronic cerebrovascular insufficiency] Vintró Molins C, et al. **Med Clin (Barc)** 1985 Mar 2;84(8):308-11 **(Spa)**

NIFENALOL see under **ETHANOLAMINES**

NIFLUMIC ACID see under **NICOTINIC ACIDS**

NIFURATEL see under **NITROFURANS**

NIFURAZOLIDONE see **FURAZOLIDONE**

NIFUROXIME see under **NITROFURANS**

NIFURTIMOX see under **NITROFURANS**

NIGERICIN see under **ANTIBIOTICS**

NIGHT BLINDNESS see **NYCTALOPIA**

NIGHT CARE

[Possibilities in day care and semi-hospitalization care] Schulz J, et al. **ZFA** 1985 Mar-Apr;40(2):110-2 **(Ger)**

METHODS

[One of the forms of operation of a day-night hospital complex (with a stage of round-the-clock hospital stays) at a psychoneurologic dispensary] Kucherov AIu, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1358-62 (Eng. Abstr.) **(Rus)**

NIGHT TERRORS see **SLEEP DISORDERS**

NIGHTMARES see **DREAMS**

NIH CONSENSUS DEVELOPMENT see **NATIONAL INSTITUTES OF HEALTH (U.S.)**

NIKETHAMIDE

ANALYSIS

[Simultaneous determination of nikethamide and guaiafenesin by derivative UV spectrophotometry] Mondi' C, et al. **Boll Chim Farm** 1984 May;123(5):240-3 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

[Interaction in vitro of nicotinamide and diethylnicotinamid (cordiamine) with enzymes of the liver microsomal hydoxylating system in the rat] Bushma MI, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):97-100 (Eng. Abstr.) **(Rus)**

NIMORAZOLE see under **NITROIMIDAZOLES**

NINHYDRIN see under **INDENES**

NIOBIUM

ANALYSIS

[Radioactive nuclides in the marine environment—distribution and behaviour of 95Zr, 95Nb originated from fallout] Yamato A, et al. **Radioisotopes** 1984 Jul;33(7):449-55 (Eng. Abstr.) **(Jpn)**

METABOLISM

Transfer and distribution of niobium-95 in adult, fetal, and newborn rats after injection during pregnancy. Schneidereit M, et al. **Radiat Environ Biophys** 1985;24(2):125-30

POISONING

Cancer incidence among workers exposed to radon and thoron daughters at a niobium mine. Solli HM, et al. **Scand J Work Environ Health** 1985 Feb;11(1):7-13

NIPECOTIC ACIDS

METABOLISM

Metabolism of [3H]nipecotic acid in the rabbit retina. Madtes P Jr, et al. **J Neurochem** 1985 May;44(5):1520-3

PHARMACODYNAMICS

The effect of alpha, alpha'-bis[3-(N,N-diethylcarbamoyl)piperidino]-p-xylene on human blood platelet structural physiology. Lasslo A, et al. **Biochim Biophys Acta** 1984 Oct 17;777(1):37-40

Electrophysiological evidence that nipecotic acid can be used in vivo as a false transmitter. Lerma J, et al. **Brain Res** 1985 Jun 3;335(2):377-80

Anticonvulsant action in the epileptic gerbil of novel inhibitors of GABA uptake. Löscher W. **Eur J Pharmacol** 1985 Mar 26;110(1):103-8

gamma-Aminobutyric acid uptake inhibition and anticonvulsant activity of nipecotic acid esters. Crider AM, et al. **J Pharm Sci** 1984 Nov;73(11):1612-6

Comparison of the anticonvulsant effects of two novel GABA uptake inhibitors and diazepam in amygdaloid kindled rats. Schwark WS, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun;329(4):367-71

Anticonvulsant activity of the nipecotic acid ester, (+/-)-m-nitrophenyl-3-piperidinecarboxylate. Hinko CN, et al. **Neuropharmacology** 1984 Sep;23(9):1009-14

NIPPLES see under **BREAST**

NIPPOSTRONGYLUS

ANALYSIS

Cuticular carbohydrates of three nematode species and chemoreception by Trichostrongylus colubriformis. Bone LW, et al. **J Parasitol** 1985 Apr;71(2):235-8

Ecdysteroid-like substances in Nippostrongylus brasiliensis. Bottjer KP, et al. **J Parasitol** 1984 Dec;70(6):986-7

DRUG EFFECTS

Action of diethylcarbamazine citrate on protective immunity in rats infected with Nippostrongylus brasiliensis. Katiyar JC, et al. **Z Parasitenkd** 1985;71(3):401-8

ENZYMOLOGY

Nippostrongylus brasiliensis: occurrence of multiple protein kinases. Agarwal A, et al. **Z Parasitenkd** 1985;71(2):259-64

GROWTH & DEVELOPMENT

Dose-dependent relationships between Nippostrongylus brasiliensis populations and rat food intake. Ovington KS. **Parasitology** 1985 Aug;91 (Pt 1):157-67

IMMUNOLOGY

The influence of Trypanosoma brucei infection on local immunoglobulin responses of rats to Nippostrongylus brasiliensis. Wedrychowicz H, et al. **Int J Parasitol** 1984 Oct;14(5):453-8

METABOLISM

The effect of anaerobiosis on adenosine triphosphate levels in larval Nippostrongylus brasiliensis and Haemonchus contortus. Onwuliri CO. **Z Parasitenkd** 1984;70(5):667-71

PATHOGENICITY

[Resistance of rats to re-infection after infection with larvae of Nippostrongylus brasiliensis (Travassos, 1914) grown in the pesticide-containing media] Blaski M, et al. **Wiad Parazytol** 1984;30(4):459-67 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Nippostrongylus brasiliensis: in vitro feeding activity. Bottjer KP, et al. **Int J Parasitol** 1985 Feb;15(1):15-9

Nippostrongylus brasiliensis: feeding activity in the mouse. Bottjer KP, et al. **Int J Parasitol** 1985 Feb;15(1):9-14

Spermatogenesis in a nematode Nippostrongylus brasiliensis. Wright EJ, et al. **Int J Parasitol** 1985 Jun;15(3):283-99

Feeding of Nippostrongylus brasiliensis in oxygen and serum. Bone LW, et al. **J Parasitol** 1985 Feb;71(1):126-8

ULTRASTRUCTURE

Ultrastructural analysis of pathologic lesions in sterol-deficient Nippostrongylus brasiliensis larvae. Coggins JR, et al. **J Invertebr Pathol** 1985 May;45(3):288-97

NIRIDAZOLE

METABOLISM

Covalent binding and glutathione depletion in the rat following niridazole (ambilhar) pretreatment. Oduah IN, et al. **Arch Toxicol** 1985 Apr;57(1):17-24

PHARMACODYNAMICS

Comparative in vitro activities of niridazole and metronidazole against anaerobic and microaerophilic bacteria. Hof H, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):332-3

Antibacterial activities of nitrothiazole against Campylobacter jejuni and Campylobacter coli. Hof H, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):498-500

Niridazole-mediated modulation of suppressor cells in Wistar rats. Sainis KB, et al. **Immunopharmacology** 1984 Oct;8(2):61-8

THERAPEUTIC USE

[Comparative efficacy of oltipraz (1 dose, 30 mg/kg) and the combination of niridazole (25 mg/kg) and metrifonate (10 mg/kg) against S. haematobium] Rey JL, et al. **Med Trop (Mars)** 1984 Apr-Jun;44(2):155-8 (Eng. Abstr.) **(Fre)**

NISIN

ANALYSIS

Structural similarities of the staphylococcin-like peptide Pep-5 to the peptide antibiotic nisin. Sahl HG, et al. **Antimicrob Agents Chemother** 1985 May;27(5):836-40

BIOSYNTHESIS

[Joint cultivation of Streptococcus lactis, LMU strain, and various species of yeasts] Egorov NS, et al. **Antibiot Med Biotekhnol** 1985 Feb;30(2):86-90 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Use of adsorbents for optimizing the process of isolating nisin from the culture broth] Baranova IP, et al. **Antibiotiki** 1984 Sep;29(9):643-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Mode of action of the peptide antibiotic nisin and influence on the membrane potential of whole cells and on cytoplasmic and artificial membrane vesicles. Ruhr E, et al. **Antimicrob Agents Chemother** 1985 May;27(5):841-5

Induction of autolysis of staphylococci by the basic peptide antibiotics Pep 5 and nisin and their influence on the activity of autolytic enzymes. Bierbaum G, et al. **Arch Microbiol** 1985 Apr;141(3):249-54

NISSL BODIES

ULTRASTRUCTURE

[Cytological analysis of the protein component of the nuclear chromatin in rat sympathetic neurocytes in postnatal ontogeny. II. The age-related changes in the nonhistone chromosomal proteins detectable by fast green and the matrix activity before and after extraction of the weakly bound fraction] Grigor'eva AV, et al. **Tsitologiia** 1985 Feb;27(2):191-5 (Eng. Abstr.) **(Rus)**

[Cytological analysis of the protein component of the nuclear chromatin in rat sympathetic neurocytes in postnatal ontogeny. I. The age-related changes in the histones detectable by ammoniacal silver and the matrix activity of the chromatin in rat sympathetic neurocytes] Grigor'eva AV, et al. **Tsitologiia** 1985 Feb;27(2):186-90 (Eng. Abstr.) **(Rus)**

NISSL DEGENERATION see under **NERVE DEGENERATION**

NEWARK PUBLIC LIBRARY

NITRACRINE see under **AMINOACRIDINES**

NITRATE REDUCTASES

Electron-paramagnetic-resonance spectroscopy studies on the dissimilatory nitrate reductase from Pseudomonas aeruginosa. Godfrey C, et al. **Biochem J** 1984 Dec 1;224(2):601-8

ANALYSIS

Identification in various chlorate-resistant mutants of a protein involved in the activation of nitrate reductase in the soluble fraction of a chlA mutant of Escherichia coli K-12. Giordano G, et al. **Biochim Biophys Acta** 1985 Apr 17;839(2):181-90

The iron-sulfur cluster composition of Escherichia coli nitrate reductase. Johnson MK, et al. **J Biol Chem** 1985 May 10;260(9):5456-63

Quaternary structure and composition of squash NADH:nitrate reductase. Redinbaugh MG, et al. **J Biol Chem** 1985 Mar 25;260(6):3380-5

ANTAGONISTS & INHIBITORS

Mode of action of natural inactivator proteins from corn and rice on a purified assimilatory nitrate reductase. Solomonson LP, et al. **Arch Biochem Biophys** 1984 Sep;233(2):469-74

BIOSYNTHESIS

Synthesis of wheat leaf nitrite reductase de novo following induction with nitrate and light. Small IS, et al. **Eur J Biochem** 1984 Dec 3;145(2):291-7

DIAGNOSTIC USE

Enzymatic nitrate assay by a kinetic method employing Escherichia coli nitrate reductase. Schild J, et al. **Z Naturforsch [C]** 1985 Jan-Feb;40(1-2):134-7

GENETICS

Respiratory nitrate reductase of Escherichia coli. Sequence identification of the large subunit gene. McPherson MJ, et al. **FEBS Lett** 1984 Nov 19;177(2):260-4

Cloning of a third nitrate reductase gene from the cyanobacterium Anacystis nidulans R2 using a shuttle cosmid library. Kuhlemeier CJ, et al. **Gene** 1984 Nov;31(1-3):109-16

IMMUNOLOGY

Monoclonal antibodies identify multiple epitopes on maize leaf nitrate reductase. Cherel I, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):686-93

METABOLISM

Chlorate metabolism by whole cells and membrane vesicles of Escherichia coli K-12. Sánchez Crispín JA, et al. **Acta Cient Venez** 1984;35(5-6):363-8

In vitro reconstitution of nitrate reductase activity of the Neurospora crassa mutant nit-1: specific incorporation of molybdopterin. Kramer S, et al. **Arch Biochem Biophys** 1984 Sep;233(2):821-9

Siderophore reduction catalyzed by higher plant NADH:nitrate reductase. Castignetti D, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):52-8

Complexes with halide and other anions of the molybdenum centre of nitrate reductase from Escherichia coli. George GN, et al. **Biochem J** 1985 May 1;227(3):925-31

Kinetic analysis of respiratory nitrate reductase from Escherichia coli K12. Morpeth FF, et al. **Biochemistry** 1985 Jan 1;24(1):40-6

Niacin, nitrate and pyrazinamide studies using Middlebrook 7H10 Broth. Damato JJ, et al. **Eur J Clin Microbiol** 1984 Dec;3(6):546-9

Role of cytokinins in induction of nitrate reductase in leaves of cowpea seedlings. Prakash S, et al. **Indian J Biochem Biophys** 1984 Jun;21(3):198-200

[Isolation and characterization of a segment of a respiratory chain specific to the nitrate reductase system of Escherichia coli K-12] Sánchez Crispín JA, et al. **Acta Cient Venez** 1984;35(5-6):356-62 **(Spa)**

NITRATES

Chemical composition for saltpeter [letter] Holloway JE. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 1):309-10

Control of rapid nitric acid decalcification. Mawhinney WH, et al. **J Clin Pathol** 1984 Dec;37(12):1409-13

ADMINISTRATION & DOSAGE

[Delayed release forms of nitrates--are they obsolete today? (interview)] Rietbrock N. **Dtsch Med Wochenschr** 1985 Jan 18;110(3):110-2 **(Ger)**

[Delayed-action nitrate forms (letter)] Silber S. **Dtsch Med Wochenschr** 1985 May 10;110(19):776-8 **(Ger)**

ADVERSE EFFECTS

Is nitrate in the drinking water associated with the risk of cancer in the urban UK? Beresford SA. **Int J Epidemiol** 1985 Mar;14(1):57-63

Gastric cancer and salivary nitrate and nitrite [letter] Mirvish SS. **Nature** 1985 Jun 6-12;315(6019):461-2

Nitrate induced anaemia in home dialysis patients. Salvadori M, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985;21:321-5

[Nitrates in drinking water and methemoglobinemia] Hye-Knudsen P. **Ugeskr Laeger** 1984 Dec 31;147(1):51-3 (Eng. Abstr.) **(Dan)**

[Nitrate and gastric cancer] Jacobsen P, et al. **Ugeskr Laeger** 1985 Apr 22;147(17):1427-32 (Eng. Abstr.) **(Dan)**

ANALYSIS

Ion chromatographic determination of nitrate and sulfate in natural waters containing humic substances. Marko-Varga G, et al. **Anal Chem** 1984 Oct;56(12):2066-9

Method for measuring nitrate-nitrogen in vegetables using anion-exchange high-performance liquid chromatography. Hunt J, et al. **Analyst** 1985 Feb;110(2):131-3

Excretion of nitrates and nitrites in saliva and bile in the dog. Fritsch P, et al. **Food Chem Toxicol** 1985 Jul;23(7):655-9

Geographic and social class variation within the UK in levels of salivary nitrates and nitrites. A preliminary report. Forman D, et al. **IARC Sci Publ** 1984;(57):901-9

Epidemiological assessment of risk to humans from exposure to nitrosamines. Miller AB, et al. **IARC Sci Publ** 1984;(57):929-36

Nitrate and nitrite in saliva and urine of inhabitants of areas of low and high incidence of cholangiocarcinoma in Thailand. Srianujata S, et al. **IARC Sci Publ** 1984;(57):921-7

A survey of dietary nitrate in well-water users. Chilvers C, et al. **Int J Epidemiol** 1984 Sep;13(3):324-31

Forage nitrate analysis: laboratory performance study. McMahon TL, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):1026-8

Determination of nitrate in dried foods by gas chromatography-thermal energy analyzer. Ross HD, et al. **J Assoc Off Anal Chem** 1985 Jan-Feb;68(1):41-3

Sensitive determination of nitrite and nitrate by ion-exchange chromatography. Eek L, et al. **J Chromatogr** 1985 Apr 10;322(3):491-7

Determination of nitrates in milk by ion-chromatography. Vláčil F, et al. **Nahrung** 1985;29(5):467-72

Nitrate levels in drinking water in a wine producing area of Germany (F.R.G.). Darimont T, et al. **Sci Total Environ** 1984 Aug 1;37(2-3):253-7

Enzymatic nitrate assay by a kinetic method employing Escherichia coli nitrate reductase. Schild J, et al. **Z Naturforsch [C]** 1985 Jan-Feb;40(1-2):134-7

[Nitrate content in the soils and vegetable crops in the villages of one district] Kuiumdzhieva T, et al. **Probl Khig** 1984;9:122-6 (Eng. Abstr.) **(Bul)**

[Determination of nitrites and nitrates in water] Zhang YF. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Sep;18(5):292-4 **(Chi)**

[Acid-forming anions in rain water in Berlin] Lahmann E, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1984;59:77-81 **(Ger)**

[Food contamination with nitrates and nitrites. II. Meat products and prepared foods] Karłowski K, et al. **Rocz Panstw Zakl Hig** 1984;35(5):411-6 (Eng. Abstr.) **(Pol)**

[Nitrate and nitrite content of daily diets of adults and children] Nabrzyski M, et al. **Rocz Panstw Zakl Hig** 1984;35(6):533-42 (Eng. Abstr.) **(Pol)**

[Nitrates and nitrites in food rations of preschool children] Szponar L, et al. **Rocz Panstw Zakl Hig** 1984;35(4):317-21 (Eng. Abstr.) **(Pol)**

[Gas-chromatographic analysis of nitrates in food products] Dmitriev MT, et al. **Gig Sanit** 1985 Feb;(2):51-2 **(Rus)**

[Comparative evaluation of the methods of determining nitrates in water] Rooma MIa, et al. **Gig Sanit** 1985 Feb;(2):49-51 **(Rus)**

[Hygienic evaluation of nitrates in food products] Zarubin GP, et al. **Gig Sanit** 1984 Jul;(7):49-52 (33 ref.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of nitrate-induced increase of plasma nitrite and methemoglobinemia in rats by simultaneous feeding of ascorbic acid or tocopherol. Hirneth H, et al. **Arzneimittelforsch** 1984;34(9):988-91

BIOSYNTHESIS

Source of the oxygen atoms of nitrate in the oxidation of nitrite by Nitrobacter agilis and evidence against a P-O-N anhydride mechanism in oxidative phosphorylation. Hollocher TC. **Arch Biochem Biophys** 1984 Sep;233(2):721-7

BLOOD

In vivo effects of nitrogen dioxide on the blood nitrate level and the Na+,K+-ATPase activity of red blood cells of rats. Tsujii N, et al. **Toxicol Lett** 1985 Jan;24(1):59-63

METABOLISM

Denitrification of high concentrations of nitrites and nitrates in synthetic medium with different sources of organic carbon. III. Methanol. Błaszczyk M, et al. **Acta Microbiol Pol** 1985;34(2):195-205

Aerobic denitrification--old wine in new bottles? Robertson LA, et al. **Antonie Van Leeuwenhoek** 1984;50(5-6):525-44 (61 ref.)

Gas chromatographic assay for in vitro complementation of Pseudomonas aeruginosa mutants deficient in nitrate reduction. Hernandez D, et al. **Appl Environ Microbiol** 1985 Jan;49(1):24-7

Inhibition of nitrate utilization by amino acids in intact Anacystis nidulans cells. Romero JM, et al. **Arch Microbiol** 1985 Jun;142(1):1-5

Suppression of nitrate utilization by ammonium and its relationship to chloramphenicol production in Streptomyces venezuelae. Shapiro S, et al. **Can J Microbiol** 1984 Jun;30(6):798-804

Nitrosoproline formation in control and antibiotic-treated rats given nitrate and proline. Mallett AK, et al. **Cancer Lett** 1984 Dec;25(2):231-5

Pharmacokinetics of nitrate in humans: role of gastrointestinal absorption and metabolism. Schultz DS, et al. **Carcinogenesis** 1985 Jun;6(6):847-52

The pharmacology of dietary nitrate and the origin of urinary nitrate. Bartholomew B, et al. **Food Chem Toxicol** 1984 Oct;22(10):789-95

Excretion of nitrates and nitrites in saliva and bile in the dog. Fritsch P, et al. **Food Chem Toxicol** 1985 Jul;23(7):655-9

Formation of nitrite in gastric juice of patients with various gastric disorders after ingestion of a standard dose of nitrate--a possible risk factor in gastric carcinogenesis. Eisenbrand G, et al. **IARC Sci Publ** 1984;(57):963-8

N-nitrosoproline in urine from patients and healthy volunteers after administration of large amounts of nitrate. Ellen G, et al. **IARC Sci Publ** 1984;(57):193-8

Increased endogenous nitrosation in smokers. Ladd KF, et al. **IARC Sci Publ** 1984;(57):811-7

Oxidation of ammonia and hydroxylamine to nitrate in the rat. Saul RL, et al. **IARC Sci Publ** 1984;(57):241-6

Mammalian nitrate biochemistry: metabolism and endogenous synthesis. Wagner DA, et al. **IARC Sci Publ** 1984;(57):247-53

Denitrification by Alcaligenes eutrophus is plasmid dependent. Römermann D, et al. **J Bacteriol** 1985 May;162(2):852-4

Nitrate-negative campylobacter-like organisms [letter] Steele TW, et al. **Lancet** 1985 Feb 16;1(8425):394

Estimation of the daily intake of nitrates and nitrites which children six to eleven years old, who attend primary schools in the City of Havana, may consume. García Roché MO, et al. **Nahrung** 1985;29(2):191-5

Nitrate reduction in germfree rats. Ward FW, et al. **Prog Clin Biol Res** 1985;181:123-5

Nitrate balance and biosynthesis in the ferret. Dull BJ, et al. **Toxicol Lett** 1984 Oct;23(1):79-89

[Influence of ranitidine during a 24-hour period on the level of nitrites, nitrates, nitrosamines and bacterial flora in the gastric juice of healthy subjects] Garcia del Risco F, et al. **Gastroenterol Clin Biol** 1984 Oct;8(10):749-53 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Coronary vasodilation by nitrates: any role for prostaglandins? Simonetti I, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985;13:327-32

Pharmacology of nitroglycerin and long-acting nitrates. Abrams J. **Am J Cardiol** 1985 Jul 10;56(2):12A-18A (75 ref.)

Investigations into the development of tolerance to organic nitrates in conscious dogs. Sponer G, et al. **Arzneimittelforsch** 1984;34(11):1510-3

Impaired diluting capacity of the thick ascending limb during loop bicarbonate and nitrate perfusion in vivo. Gutsche HU, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1416-22

Nitrates and endothelial prostacyclin production: studies in vitro. De Caterina R, et al. **Circulation** 1985 Jan;71(1):176-82

Pulmonary function in elastase-treated guinea pigs and rats exposed to ammonium sulfate or ammonium nitrate aerosols. Loscutoff SM, et al. **Environ Res** 1985 Feb;36(1):170-80

The effect of nitrate on the oxygen availability during exercise in effort angina pectoris. Yamabe H, et al. **Jpn Heart J** 1984 Nov;25(6):1019-28

Investigation on structure-activity relationship in organic nitrates. Noack E. **Methods Find Exp Clin Pharmacol** 1984 Oct;6(10):583-6

Genotoxic effects of potassium dichromate, sodium arsenite, cobalt chloride and lead nitrate in diploid yeast. Kharab P, et al. **Mutat Res** 1985 Mar;155(3):117-20

Chromosomal aberrations and micronuclei induced in rat and mouse bone marrow cells by sodium nitrate. Luca D, et al. **Mutat Res** 1985 Mar;155(3):121-5

Effect on nitroglycerin and other organic nitrates on the in-vitro biosynthesis of arachidonic acid-metabolites in washed human platelets. Wirthumer-Hoche C, et al. **Prostaglandins Leukotrienes Med** 1984 Sep;15(3):317-23

Some pharmacological properties of organic nitrates. Osnes JB. **Scand J Clin Lab Invest [Suppl]** 1984;173:19-25 (20 ref.)

Liver hyperplasia and regression after lead nitrate administration. Columbano A, et al. **Toxicol Pathol** 1984; 12(1):89–95

Mechanisms of nitrate-induced vasodilatation and tolerance on a biochemical base. Kukovetz WR, et al. **Z Kardiol** 1985; 74 Suppl 1:39–44

[Early detection of Pseudomonas aeruginosa in hemoculture media enriched with nitrates] Boucaud-Maître Y, et al. **Pathol Biol (Paris)** 1984 Dec;32(10):1037–9 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Uptake and distribution of radioiodine, and the effect of ambient nitrate, in some fish species. Lahti E, et al. **Comp Biochem Physiol** [A] 1985;80(3):337–42

THERAPEUTIC USE

Efficacy of different forms of nitrates in angina pectoris. Luomanmäki K. **Acta Med Scand [Suppl]** 1985;694:153–65 (86 ref.)

Nitrates for congestive heart failure. Cohn JN. **Am J Cardiol** 1985 Jul 10;56(2):19A–23A

Addition of nifedipine to maximal nitrate and beta-adrenoreceptor blocker therapy in coronary artery disease. White HD, et al. **Am J Cardiol** 1985 May 1; 55(11):1303–7

Nitrate therapy for angina pectoris. Current concepts about mechanism of action and evaluation of currently available preparations. Corwin S, et al. **Arch Intern Med** 1985 Mar; 145(3):538–43 (68 ref.)

Nitrates in heart disease. **Drug Ther Bull** 1984 Oct 8; 22(20):77–9

Controversies in the medical treatment of ischaemic heart disease. Nitrates? Beta-blockers? Calcium blockers? **Eur Heart J** 1985 Jan;6 Suppl A:1–52

Nitrate therapy for ischaemic heart disease. Conti CR. **Eur Heart J** 1985 Jan;6 Suppl A:3–11

Comparisons and combinations in anti-anginal therapy. Julian DG. **Eur Heart J** 1985 Jan;6 Suppl A:37–52

Tolerance: implications for nitrate use in angina pectoris. Spector R. **Iowa Med** 1985 Jun;75(6):272–5

The medical therapy of angina pectoris––with an eye on cost. Hanger KH Jr. **J SC Med Assoc** 1985 Feb;81(2):79–82

Nitrates in heart failure. Pathophysiological mechanisms and therapeutic applications. Timmis AD, et al. **Scand J Clin Lab Invest [Suppl]** 1984;173:59–64

Pharmacological principles in the development of tolerance. Lemmer B. **Z Kardiol** 1985;74 Suppl 1:33–7

Tolerance to the hemodynamic and antianginal effects of the organic nitrates. Parker JO. **Z Kardiol** 1985;74 Suppl 1:45–9

[Significance of nitrates in acute therapy of heart failure with and without lung edema] Beck OA. **Z Kardiol** 1985;74 Suppl 1:15–22 **(Ger)**

[Value of nitrates in modern coronary therapy] Klütsch K, et al. **Z Kardiol** 1985;74 Suppl 1:9–14 **(Ger)**

[Hemodynamic aspects of differential therapy of acute myocardial infarct with nitrates] Lehmann HU, et al. **Z Kardiol** 1985;74 Suppl 1:23–9 **(Ger)**

[Tolerance for the antianginal effect of nitrates. Approaches to its study] Martsevich SIu, et al. **Ter Arkh** 1984; 56(9):46–50 (Eng. Abstr.) **(Rus)**

[Changes in the indices of external respiration and central hemodynamics during the use of nitrates in the therapy of chronic heart failure] Samiev UB. **Ter Arkh** 1984; 56(9):58–62 **(Rus)**

TOXICITY

Nitric acid-induced injury in the hamster lung. Coalson JJ, et al. **Br J Exp Pathol** 1985 Apr;66(2):205–15

Mutagenic activity in the stomach and small intestine of rats after oral administration of nitrosated beef extract. Münzner R, et al. **Cancer Lett** 1984 Dec;25(2):225–30

An example of interaction between environmental pollutants: modification of thiram toxicity to freshwater organisms by nitrites or nitrates in relation to nitrosamine synthesis. Jouany JM, et al. **Ecotoxicol Environ Safety** 1985 Jun; 9(3):327–38

Occurrence of cell death (apoptosis) during the involution of liver hyperplasia. Columbano A, et al. **Lab Invest** 1985 Jun;52(6):670–5

Nitrates, nitrites and gastric cancer in Great Britain. Forman D, et al. **Nature** 1985 Feb 21–27;313(6004):620–5

Medaka eggs as a model system for screening potential teratogens. Cameron IL, et al. **Prog Clin Biol Res** 1985; 163C:239–43

[Evaluation of the cumulative properties of harmful substances by the subchronic toxicity test] Shtabskiĭ BM, et al. **Gig Sanit** 1985 Mar;(3):57–60 **(Rus)**

URINE

[Gas chromatrophic determination of nitrate in biologic material] Düsedau U, et al. **Z Gesamte Hyg** 1985 Apr; 31(4):232–3 (Eng. Abstr.) **(Ger)**

NITRAZEPAM

ADVERSE EFFECTS

Side-effect 'tolerance' in elderly long-term recipients of benzodiazepine hypnotics. Swift CG, et al. **Age Ageing** 1984 Nov;13(6):335–43

BLOOD

Simplified gas chromatographic assay of underivatized nitrazepam in plasma. Locniskar A, et al. **J Chromatogr** 1985 Jan 11;337(1):131–5

[Comparison of the binding of nitrazepam and diazepam to erythrocytes in selected mammalian species] Lamka J, et al. **Cesk Farm** 1984 Dec;33(10):420–4 (Eng. Abstr.) **(Cze)**

METABOLISM

The biliary elimination of amaranth, indocyanine green and nitrazepam in germ-free rats. Wilson SA, et al. **Biochem Pharmacol** 1985 Mar 15;34(6):857–63

Influence of food and of age on nitrazepam kinetics. Holm V, et al. **Drug Nutr Interact** 1982;1(4):307–11

Production of superoxide during the metabolism of nitrazepam. Rosen GM, et al. **Xenobiotica** 1984 Oct; 14(10):785–94

PHARMACODYNAMICS

Investigation of the muscle relaxant activity of nitrazepam. Date SK, et al. **Arch Int Pharmacodyn Ther** 1984 Nov; 272(1):129–39

Influence of some agents that affect 5-hydroxytryptamine metabolism and receptors on nitrazepam-induced sleep in mice. Wambebe C. **Br J Pharmacol** 1985 Jan;84(1):185–91

THERAPEUTIC USE

Low doses of brotizolam and nitrazepam as hypnotics in the elderly. Viukari M, et al. **Neuropsychobiology** 1984, 12(2–3):130–3

TOXICITY

Effects of repeated dose nitrazepam and lormetazepam on psychomotor performance in the elderly. Morgan K. **Psychopharmacology (Berlin)** 1985;86(1–2):209–11

URINE

Determination of nitrazepam and its main metabolites in urine by thin-layer chromatography and direct densitometry. Inoue T, et al. **J Chromatogr** 1985 Apr 12;339(1):163–9

High-performance liquid chromatographic determination of nitrazepam and its metabolites in human urine. Kozu T. **J Chromatogr** 1984 Sep 14;310(1):213–8

NITRIC OXIDE

METABOLISM

Nitric oxide-dependent proton translocation in various denitrifiers. Shapleigh JP, et al. **J Bacteriol** 1985 Sep; 163(3):837–40

Generation of nitric oxide by enzymatic oxidation of N-hydroxy-N-nitrosamines. Alston TA, et al. **J Biol Chem** 1985 Apr 10;260(7):4069–74

The photoreactivity of the copper-NO complexes in cytochrome c oxidase and in other copper-containing proteins. Wever R, et al. **J Inorg Biochem** 1985 Mar–Apr; 23(3–4):227–32

PHARMACODYNAMICS

Mechanisms of cigarette smoke toxicity: the inactivation of human alpha-1-proteinase inhibitor by nitric oxide/isoprene mixtures in air. Pryor WA, et al. **Chem Biol Interact** 1985 Jul;54(2):171–83

Effects of exposure of blood hemoglobin to nitric oxide. Chiodi H, et al. **Environ Res** 1985 Aug;37(2):355–63

Hydrogenase activity in Azospirillum brasilense is inhibited by nitrite, nitric oxide, carbon monoxide, and acetylene. Tibelius KH, et al. **J Bacteriol** 1984 Oct;160(1):103–6

TOXICITY

[Experimental study of the toxicity of nitric oxide] Borisova LB, et al. **Gig Sanit** 1985 Apr;(4):89–90 **(Rus)**

[Establishment of the maximum permissible concentration of nitric oxide in the air of a work area] Burkhanov AI, et al. **Gig Sanit** 1985 Jun;(6):73–5 **(Rus)**

NITRILES

Permeation of chlorinated aromatic compounds through Viton and nitrile glove materials. Mikatavage M, et al. **Am Ind Hyg Assoc J** 1984 Sep;45(9):617–21

Molecular basis of the protonophoric and uncoupling activities of the potent uncoupler SF-6847 [3,5-di-tert-butyl-4-hydroxybenzylidene)malononitrile) and derivatives. Regulation of their electronic structures by restricted intramolecular rotation. Terada H, et al. **Biochim Biophys Acta** 1984 Nov 26;767(2):192–9

Principal component analysis for a better understanding of the herbicidal effectivity of some benzonitriles. Szigeti Z, et al. **Gen Physiol Biophys** 1985 Jun;4(3):321–30

A removable polar embedding medium for light microscopy. Frater R. **Stain Technol** 1985 Jul;60(4):189–92

Preparation of 2,3-seco-5 alpha-cholestane-2,3-diol and 4 alpha-methyl-2,3-seco-5 alpha-cholestane-2,3-diol and its reactions with o-nitrophenyl selenocyanate. Arnó M, et al. **Steroids** 1984 Mar;43(3):305–14

ADVERSE EFFECTS

Influence of the vehicle on irritant contact dermatitis. Flannigan SA, et al. **Contact Dermatitis** 1985 Mar; 12(3):177–8

A review of health risks in acrylonitrile industry. Guirguis SS, et al. **G Ital Med Lav** 1984 May–Jul;6(3–4):87–93

Effects of alkyl nitriles on the gastrointestinal tract. Szabo S, et al. **Surv Synth Pathol Res** 1984;3(1):11–30 (77 ref.)

[Determination of the maximum permissible exposure level of dust from carbon fibrous materials in the air of a work area] Fediakina RP, et al. **Gig Tr Prof Zabol** 1984 Oct; (10):51–3 **(Rus)**

[Assessment of the actual exposure of workers in contact with acrylonitrile] Spasovski M, et al. **Gig Tr Prof Zabol** 1985 May;(5):35–7 **(Rus)**

ANALYSIS

Development of an assay method for cyanide, alpha-aminonitriles and alpha-hydroxynitriles for the study of the biological hydrolysis of these compounds. Jallageas JC, et al. **Analyst** 1984 Nov;109(11):1439–42

Improved procedure for determination of acrylonitrile in foods and its application to meat. Page BD, et al. **J Assoc Off Anal Chem** 1985 May–Jun;68(3):606–8

Determination of acrylonitrile in foods by headspace-gas chromatography with nitrogen-sensitive detection: collaborative study. Page BD. **J Assoc Off Anal Chem** 1985 Jul–Aug;68(4):776–82

Cyanogenic glycosides and cyanohydrins in plant tissues. Qualitative and quantitative determination by enzymatic post-column cleavage and electrochemical detection, after separation by high-performance liquid chromatography. Brimer L, et al. **J Chromatogr** 1984 Oct 26;303(1):77–88

BIOSYNTHESIS

Conversion of alpha-amino acids and peptides to nitriles and aldehydes by bromoperoxidase. Nieder M, et al. **Arch Biochem Biophys** 1985 Jul;240(1):121–7

CHEMICAL SYNTHESIS

Synthesis and characterization of some anomeric pairs of per-O-acetylated aldohexopyranosyl cyanides (per-O-acetylated 2,6-anhydroheptononitriles). On the reaction of per-O-acetylaldohexopyranosyl bromides with mercuric cyanide in nitromethane. Myers RW, et al. **Carbohydr Res** 1984 Sep 1;132(1):61–82

Synthesis and gastric antisecretory activity of N-cyano-N'-(phenyl-pyridinylmethyl)guanidine derivatives. Shimada K, et al. **Chem Pharm Bull (Tokyo)** 1984 Dec;32(12):4893–906

DIAGNOSTIC USE

Biological studies of a new class of technetium complexes: the hexakis(alkylisonitrile)technetium(I) cations. Jones AG, et al. **Int J Nucl Med Biol** 1984;11(3–4):225–34

A new Tc-99m-labeled myocardial imaging agent, hexakis(t-butylisonitrile)-technetium(I) [Tc-99m TBI]: initial experience in the human. Holman BL, et al. **J Nucl Med** 1984 Dec;25(12):1350–5

METABOLISM

Properties of a microsomal enzyme system from Linum usitatissimum (linen flax) which oxidizes valine to acetone cyanohydrin and isoleucine to 2-methylbutanone cyanohydrin. Cutler AJ, et al. **Arch Biochem Biophys** 1985 Apr;238(1):272–9

Hydrolysis of linamarin by intestinal bacteria. Fomunyam RT, et al. **Can J Microbiol** 1984 Dec;30(12):1530–1

Experimental pharmacokinetics and toxicology of acrylonitrile. Peter H, et al. **G Ital Med Lav** 1984 May–Jul; 6(3–4):77–81

The binding of isocyanides to cytochrome P-450 from mouse hepatic microsomes. Beumel GA, et al. **Gen Pharmacol** 1985;16(3):189–92

Spectral interactions of piperonyl butoxide and isocyanides with purified hepatic cytochrome P-450 from uninduced mice. Beumel GA, et al. **Gen Pharmacol** 1985;16(3):193–7

The biosynthesis of hazimicins: possible origin of isonitrile carbon. Puar MS, et al. **J Antibiot (Tokyo)** 1985 Apr; 38(4):530–2

The kinetic mechanism by which CCCP (carbonyl cyanide m-chlorophenylhydrazone) transports protons across membranes. Kasianowicz J, et al. **J Membr Biol** 1984; 82(2):179–90

PHARMACODYNAMICS

Uncoupler-stimulated release of Ca2+ from Ehrlich ascites tumor cell mitochondria. Fiskum G, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):723–33

Interaction of acrylonitrile with the liver mixed function oxidases. Cova D, et al. **Arch Toxicol [Suppl]** 1984;7:291–4

Uncoupler- and hypoxia-induced damage in the working rat heart and its treatment. I. Observations with uncouplers of oxidative phosphorylation. Veit P, et al. **Basic Res Cardiol** 1985 Mar–Apr;80(2):107–15

Irreversible inhibition of carbonic anhydrase by the carbon dioxide analog cyanogen. Kirley JW, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):457–63

Inhibition of acetylcholinesterase by neurotoxic aminonitriles.

Froines JR. **Biochem Pharmacol** 1985 Sep 1;34(17):3185–7

K+-valinomycin and chloride conductance of the human red cell membrane. Influence of the membrane protonophore carbonylcyanide m-chlorophenylhydrazone. Bennekou P. **Biochim Biophys Acta** 1984 Sep 19;776(1):1–9

Dissipation of electrochemical ion gradients induced by carbonyl cyanide p-trifluoromethoxyphenylhydrazone and valinomycin in rabbit reticulocytes as loads of energy metabolism. Spengler V, et al. **Biomed Biochim Acta** 1985; 44(3):403–9

In vivo effect to uncoupler CCCP on nitrogenase of Anabaena sp. CH1 and CH2. Chen PC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Nov;17(4):219–25

Evolution of axonal swellings in cats intoxicated with beta,beta'-iminodipropionitrile (IDPN). An electrophysiological and morphological study. Delio DA, et al. **Exp Neurol** 1985 Feb;87(2):235–48

Antimicrobial activity of methyl esters and nitriles of 2-cyano-3-(5'-R-2'-furyl)propenic acid. Baláž S, et al. **Folia Microbiol (Praha)** 1985;30(1):34–41

Cysteamine and propionitrile inhibit the rise of duodenal mucosal alkaline secretion in response to luminal acid in rats. Bridén S, et al. **Gastroenterology** 1985 Jan;88(1 Pt 2):295–302

Duodenal ulcerogens cysteamine and propionitrile induce gastroduodenal motility alterations in the rat. Pihan G, et al. **Gastroenterology** 1985 Apr;88(4):989–97

Cyanopyrazoles as analogs of purine precursors--I. Inhibitory effect on purine biosynthesis de novo. Spassova MK, et al. **Int J Biochem** 1984;16(10):1091–4

Proton motive force is not obligatory for growth of Escherichia coli. Kinoshita N, et al. **J Bacteriol** 1984 Dec; 160(3):1074–7

The interaction of glucagon treatment and uncoupler concentration on ATPase activity of rat liver mitochondria. Haynes RC Jr, et al. **J Biol Chem** 1984 Nov 10; 259(21):13228–34

Microtubule-associated protein 2 within axons of spinal motor neurons: associations with microtubules and neurofilaments in normal and beta,beta'-iminodipropionitrile-treated axons. Papasozomenos SC, et al. **J Cell Biol** 1985 Jan;100(1):74–85

Effects of IDPN-induced axonal swellings on conduction in motor nerve fibers. Stanley EF, et al. **J Neurol Sci** 1985 Jul;69(3):183–200

Occurrence of 'stress'-proteins in yeast after heat-shock, acrylonitrile treatment and during the stationary growth phase. Pfeffer U, et al. **Z Naturforsch [C]** 1985 Jan–Feb; 40(1–2):26–8

[Benzonitrile and structural analogs. Action of para-aminobenzonitrile on the central nervous system] Cheav SL, et al. **Ann Pharm Fr** 1984;42(4):367–78 (Eng. Abstr.) **(Fre)**

[Coupling of insulin-stimulated ATP formation by preparations of plasma membrane-enriched particles with proton transport across the plasma membranes of target cells] Karelin AA, et al. **Vopr Med Khim** 1985 Mar–Apr; 31(2):111–7 (Eng. Abstr.) **(Rus)**

POISONING

Studies of possible acrylonitrile poisoning antidote [letter] McLaughlin M, et al. **Tex Med** 1985 Feb;81(2):6

[Use of antioxidants for preventing the hepatotoxic effect of acrylonitrile] Ivanov VV, et al. **Farmakol Toksikol** 1984 Sep–Oct;47(5):96–100 (Eng. Abstr.) **(Rus)**

[Combined effects of carbon monoxide and cyanide compounds during combustion of plastic KN-1] Murzaev AM. **Sud Med Ekspert** 1984 Jul–Sep;27(3):32–3 (Eng. Abstr.) **(Rus)**

SECRETION

Cuticular cavities: storage chambers for cyanoglucoside-containing defensive secretions in larvae of a Zygaenid moth. Franzl S, et al. **Tissue Cell** 1985; 17(2):267–78

TOXICITY

Communicating hydrocephalus in rodents treated with beta,beta'-iminodipropionitrile (IDPN). Fiori MG, et al. **Acta Neuropathol (Berl)** 1985;65(3–4):209–16

Structure-acute toxicity relationship of dinitriles in mice. Tanii H, et al. **Arch Toxicol** 1985 Jun;57(2):88–93

Electrophysiological investigation of beta,beta'-iminodipropionitrile neuropathy: intracellular recordings in spinal cord. Gold BG, et al. **Brain Res** 1984 Aug 13;308(2):235–44

Clinical toxicology of acrylonitrile. Buchter A, et al. **G Ital Med Lav** 1984 May–Jul;6(3–4):83–6

Acrylonitrile: a suspected human carcinogen. Koerselman W, et al. **Int Arch Occup Environ Health** 1984;54(4):317–24

Effect of antidotes of the acute toxicity of methacrylonitrile. Peter H, et al. **Int Arch Occup Environ Health** 1985; 55(2):175–7

Toxicity evaluation of sub-chronic exposures to cyanogen in monkeys and rats. Lewis TR, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4–5):151–63

Acrylonitrile inhalation in rats: II. Excretion of thioethers and thiocyanate in urine. Gut I, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(1):9–13

Acrylonitrile inhalation in rats: I. Effect on intermediary metabolism. Gut I, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(4):369–76

Acrylonitrile-induced gastric mucosal necrosis: role of gastric glutathione. Ghanayem BI, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):570–7

Effect of acute acrylonitrile exposure on metrazol induced seizures in the rat. Fanini D, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):29–34

Electrophysiological investigation of beta, beta'-iminodipropionitrile neurotoxicity: monosynaptic reflexes and recurrent inhibition. Gold BG, et al. **Neurotoxicology (Park Forest Il)** 1984 Summer;5(2):1–14

Developmental toxicity of the cyanogenic glycoside linamarin in the golden hamster. Frakes RA, et al. **Teratology** 1985 Apr;31(2):241–6

[Neurotoxicology: effects of lead and beta,beta'-iminodipropionitrile on the nervous system] Araki S, et al. **Tanpakushitsu Kakusan Koso** 1984 Dec; 29(14):1717–22 (54 ref.) **(Jpn)**

[Characteristics of the toxic action of methacrylonitrile] Kurzaliev SA. **Gig Tr Prof Zabel** 1985 May;(5):37–40 (Eng. Abstr.) **(Rus)**

NITRILOTRIACETIC ACID see under **ACETIC ACIDS**

NITRITE REDUCTASES see under **NADH, NADPH OXIDOREDUCTASES**

NITRITES

The laboratory use of butylnitrite for the production of methemoglobin. Roth E Jr, et al. **Am J Hematol** 1985 Oct; 20(2):153–9

The co-oxidation of ammonia to nitrite during the aerobic xanthine oxidase reaction. Nagano T, et al. **Arch Biochem Biophys** 1985 Sep;241(2):596–601

Nitrosation by alkyl nitrites. Catalysis by inorganic salts. Dabora R, et al. **IARC Sci Publ** 1984;(57):311–6

Ester-mediated nitrosamine formation from nitrite and secondary or tertiary amines. Loeppky RN, et al. **IARC Sci Publ** 1984;(57):353–63

Mutagenicity of various Japanese foodstuffs treated with nitrite. II. Directly-acting mutagens produced from N-containing compounds in foodstuffs. Tomita I, et al. **IARC Sci Publ** 1984;(57):33–41

An in vitro effect of ascorbate on the spontaneous reduction of sodium nitrite concentration in a reaction mixture. Basu TK, et al. **Int J Vitam Nutr Res** 1984;54(2–3):233–6

New anthracycline glycosides obtained by the nitrous acid deamination of daunorubicin, doxorubicin and their configurational analogues. Cassinelli G, et al. **J Antibiot (Tokyo)** 1985 Jul;38(7):856–67

Formation of DNA-damaging nitroso compounds by interaction of drugs with nitrite. A preliminary screening for detecting potentially hazardous drugs. Brambilla G, et al. **J Toxicol Environ Health** 1985;15(1):1–24

[Nitrite ion, its stability in an aqueous solution and disappearance from rabbit blood] Noda H, et al. **Yakugaku Zasshi** 1984 Apr;104(4):409–12 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Clinically significant methemoglobinemia from inhalation of isobutyl nitrite. Guss DA, et al. **Am J Emerg Med** 1985 Jan;3(1):46–7

Volatile nitrites. Use and adverse effects related to the current epidemic of the acquired immune deficiency syndrome. Newell GR, et al. **Am J Med** 1985 May;78(5):811–6 (49 ref.)

'Poppers' or 'snappers' dermatitis in homosexual men. Fisher AA. **Cutis** 1984 Aug;34(2):118–22

Gastric cancer and salivary nitrate and nitrite [letter] Mirvish SS. **Nature** 1985 Jun 6–12;315(6019):461–2

Inhalation-induced immunosuppression: sniffing out the volatile nitrite-AIDS connection [editorial] Mayer KH. **Pharmacotherapy** 1984 Sep–Oct;4(5):235–6

[Use of a dry protein mixture for the correction of hypoxia caused by sodium nitrite] Seredenko MM, et al. **Gig Sanit** 1985 Feb;(2):23–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Spectrophotometric determination of nitrite in waters with 5,7-dihydroxy-4-imino-2-oxochroman. Nakamura M, et al. **Anal Chem** 1984 Oct;56(12):2242–4

Determination of nitrite ion and sulfanilic and orthanilic acids by differential pulse polarography. Sulaiman ST. **Anal Chem** 1984 Nov;56(13):2405–7

Excretion of nitrates and nitrites in saliva and bile in the dog. Fritsch P, et al. **Food Chem Toxicol** 1985 Jul; 23(7):655–9

Post-harvest treatment and the accumulation of nitrite and N'-nitrosonornicotine in burley tobacco. Andersen RA, et al. **IARC Sci Publ** 1984;(57):877–83

Geographic and social class variation within the UK in levels of salivary nitrates and nitrites. A preliminary report. Forman D, et al. **IARC Sci Publ** 1984;(57):901–9

Epidemiological assessment of risk to humans from exposure to nitrosamines. Miller AB, et al. **IARC Sci Publ** 1984; (57):929–36

Nitrate and nitrite in saliva and urine of inhabitants of areas of low and high incidence of cholangiocarcinoma in Thailand. Srianujata S, et al. **IARC Sci Publ** 1984;(57):921–7

Effect of pH on absorbance of azo dye formed by reaction between nitrite and sulfanilamide/N-(1-naphthyl)ethylenediamine in residual nitrite methods for foods. Davis CE, et al. **J Assoc Off Anal Chem** 1985 May–Jun;68(3):485–8

Sensitive determination of nitrite and nitrate by ion-exchange chromatography. Eek L, et al. **J Chromatogr** 1985 Apr 10; 322(3):491–7

Spectrophotometric determination of nitrite. Ramakrishna TV, et al. **Z Gesamte Hyg** 1984 Aug;30(8):467–8

[Determination of nitrites and nitrates in water] Zhang YF. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Sep;18(5):292–4 **(Chi)**

[Determination of nitrosamines in salted pollack roe treated with nitrite] Kawasaki Y, et al. **Eisei Shikenjo Hokoku** 1984; (102):134–7 (Eng. Abstr.) **(Jpn)**

[Food contamination with nitrates and nitrites. II. Meat products and prepared foods] Karłowski K, et al. **Rocz Panstw Zakl Hig** 1984;35(5):411–6 (Eng. Abstr.) **(Pol)**

[Nitrate and nitrite content of daily diets of adults and children] Nabrzyski M, et al. **Rocz Panstw Zakl Hig** 1984; 35(6):533–42 (Eng. Abstr.) **(Pol)**

[Nitrates and nitrites in food rations of preschool children] Szponar L, et al. **Rocz Panstw Zakl Hig** 1984;35(4):317–21 (Eng. Abstr.) **(Pol)**

BLOOD

Inhibition of nitrate-induced increase of plasma nitrite and methemoglobinemia in rats by simultaneous feeding of ascorbic acid or tocopherol. Hirneth H, et al. **Arzneimittelforsch** 1984;34(9):988–91

DIAGNOSTIC USE

Improved urine screening using a combination of leukocyte esterase and the Lumac system. Pfaller MA, et al. **Diagn Microbiol Infect Dis** 1985 May;3(3):243–50

Grouping of beta-haemolytic streptococci from primary plates by micronitrous acid-coagglutination method. Sridharan G, et al. **Indian J Med Res** 1984 Apr;79:479–81

METABOLISM

Denitrification of high concentrations of nitrites and nitrates in synthetic medium with different sources of organic carbon. III. Methanol. Blaszczyk M, et al. **Acta Microbiol Pol** 1985;34(2):195–205

Detection of bacteriuria by leukocyte esterase, nitrite, and the automicrobic system. Bartlett RC, et al. **Am J Clin Pathol** 1984 Dec;82(6):683–7

Source of the oxygen atoms of nitrate in the oxidation of nitrite by Nitrobacter agilis and evidence against a P-O-N anhydride mechanism in oxidative phosphorylation. Hollocher TC. **Arch Biochem Biophys** 1984 Sep; 233(2):721–7

Nitrite and nitrous oxide production by Methylosinus trichosporium. Yoshinari T. **Can J Microbiol** 1985 Feb; 31(2):139–44

Methylation of DNA in stomach and small intestine of rats after oral administration of methylamine and nitrite. Huber KW, et al. **Carcinogenesis** 1984 Dec;5(12):1729–32

Kinetics of nitrosation of thioproline, the precursor of a major nitroso compound in human urine, and its role as a nitrite scavenger. Tahira T, et al. **Gann** 1984 Oct;75(10):889–94

Formation of nitrite in gastric juice of patients with various gastric disorders after ingestion of a standard dose of nitrate--a possible risk factor in gastric carcinogenesis. Eisenbrand G, et al. **IARC Sci Publ** 1984;(57):963–8

Unscheduled DNA synthesis in human leucocytes after a fish (amine source) meal with or without salad (nitrite source). Miller CT. **IARC Sci Publ** 1984;(57):609–13

Animal feeding study with nitrite-treated meat. Olsen P, et al. **IARC Sci Publ** 1984;(57):667–75

Production of N-nitrosoiminodialkanoic acids by nitrite in gastric juice. Outram JR, et al. **IARC Sci Publ** 1984; (57):71–6

Effect of gastric surgery for benign peptic ulcer and ascorbic acid therapy on concentrations of nitrite and N-nitroso compounds in gastric juice. Reed PI, et al. **IARC Sci Publ** 1984;(57):975–9

Presence of 1-methyl-1,2,3,4-tetrahydro- beta-carboline-3-carboxylic acids and tyramine as precursors of mutagens in soya sauce after nitrite treatment. Wakabayashi K, et al. **IARC Sci Publ** 1984;(57):17–24

Anaerobic growth of Neisseria gonorrhoeae coupled to nitrite reduction. Knapp JS, et al. **Infect Immun** 1984 Oct; 46(1):176–81

Proton translocation coupled to nitrite reduction in anaerobically grown Escherichia coli. Sawada MT, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):205–11

Uptake of inhaled n-butyl nitrite and in vivo transformation in rats. Osterloh JD, et al. **J Pharm Sci** 1985 Jul;74(7):780–2

Estimation of the daily intake of nitrates and nitrites which children six to eleven years old, who attend primary schools in the City of Havana, may consume. García Roché MO, et al. **Nahrung** 1985;29(2):191–5

Enzymatic denitrification of 2-nitropropane in uninduced mouse liver microsomes. Marker EK, et al. **Toxicol Lett** 1985 Aug;26(2–3):181–5

Accumulation of nitrite and sulfite in yeast cells and synergistic depletion of the intracellular ATP content. Hinze H, et al. **Z Lebensm Unters Forsch** 1985 Feb; 180(2):117–20

[Influence of ranitidine during a 24–hour period on the level of nitrites, nitrates, nitrosamines and bacterial flora in the gastric juice of healthy subjects] Garcia del Risco F, et al. **Gastroenterol Clin Biol** 1984 Oct;8(10):749–53 (Eng. Abstr.) **(Fre)**

[Dynamics of endogenous bacterial nitrite formation in the stomach. 1. Follow–up studies in humans under natural conditions] Mueller RL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Oct; 179(5):381–96 (Eng. Abstr.) **(Ger)**

[Possibility of N–dimethylnitrosamine formation after parenteral administration of amidopyrine and nitrite to rats] Rubenchik BL, et al. **Eksp Onkol** 1984;6(3):70–1 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Thiocyanate and nitrite inhibit proton translocation in gastric mucosa. Ekblad EB, et al. **Biochim Biophys Acta** 1985 Jul 11;817(1):147–53

The effect of chemical modification of Saccharomyces cerevisiae on electrophoretic mobility, cell–wall structure and amphotericin B uptake. Ellul H, et al. **Biochim Biophys Acta** 1985 May 30;845(2):151–7

Photochemical nitrosation of phenol in aqueous nitrite solution. Suzuki J, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2803–8

Influence of NaCl, NaNO2 and oxygen on the germination and growth of Bacillus licheniformis, a spoilage organism of chub–packed luncheon meat. Bell RG, et al. **J Appl Bacteriol** 1984 Dec;57(3):523–30

Hydrogenase activity in Azospirillum brasilense is inhibited by nitrite, nitric oxide, carbon monoxide, and acetylene. Tibelius KH, et al. **J Bacteriol** 1984 Oct;160(1):103–6

Oxidation of deoxyhemerythrin to semi–methemerythrin by nitrite. Nocek JM, et al. **J Biol Chem** 1984 Oct 25; 259(20):12334–8

Oligosaccharides formed by treatment of heparin with nitrous acid. Bienkowski MJ, et al. **Semin Thromb Hemost** 1985 Apr;11(2):86–8

[The behavior of Yersinia enterocolitica at different temperatures and at various concentrations of curing salt] Heim F, et al. **Arch Exp Veterinarmed** 1984 Sep; 38(5):729–34 (Eng. Abstr.) **(Ger)**

[Genetic transformation with denatured DNA inactivated by ultraviolet light and its reactivation by nitrous acid] González–Dadda L, et al. **Rev Latinoam Microbiol** 1984 Jul–Sep;26(3):245–50 (Eng. Abstr.) **(Spa)**

POISONING

An unusual cause of poisoning [letter] Mackenzie A. **Med J Aust** 1984 Dec 8–22;141(12–13):903

RADIATION EFFECTS

Mutagenicity of photochemical reaction products of polycyclic aromatic hydrocarbons with nitrite. Ohe T. **Sci Total Environ** 1984 Oct;39(1–2):161–75

THERAPEUTIC USE

[Coronarotropic drugs with general vasodilator action in the treatment of acute myocardial infarct] Gherasim L, et al. **Rev Med Interna [Med Interna]** 1984 Sep–Oct;36(5):385–95 **(Rum)**

[Comparative effectiveness of the local use of sodium nitrite, platyphylline and complamine in treating optic atrophy] Shpak NI, et al. **Oftalmol Zh** 1984;(5):294–7 (Eng. Abstr.) **(Rus)**

TOXICITY

Nitrite toxicity to the crayfish Procambarus clarkii. Gutzmer MP, et al. **Bull Environ Contam Toxicol** 1985 Mar; 34(3):369–76

Swimming performance of channel catfish (Ictalurus punctatus) after nitrite exposure. Watenpaugh DE, et al. **Bull Environ Contam Toxicol** 1985 May;34(5):754–60

Nitrite exposure and respiration rates in fathead minnows. Watenpaugh DE, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):106–11

Effects of cimetidine, nitrite, cimetidine plus nitrite, and nitrosocimetidine on tumors in mice following transplacental plus chronic lifetime exposure. Anderson LM, et al. **Cancer Res** 1985 Aug;45(8):3561–6

An example of interaction between environmental pollutants: modification of thiram toxicity to freshwater organisms by nitrites or nitrates in relation to nitrosamine synthesis. Jouany JM, et al. **Ecotoxicol Environ Safety** 1985 Jun; 9(3):327–38

Genotoxic activity of nitrosated coal dust extract in mammalian systems. Tucker JD, et al. **Environ Res** 1984 Oct;35(1):171–9

Induction of tumours in rats by feeding nitrosatable amines together with sodium nitrite. Lijinsky W. **Food Chem Toxicol** 1984 Sep;22(9):715–20

Subchronic toxicology of butyl nitrites in mice by inhalation. McFadden DP, et al. **J Appl Toxicol** 1985 Jun;5(3):134–9

Nitrite: a co–carcinogen? Schweinsberg F, et al. **J Cancer Res Clin Oncol** 1985;109(3):200–2

Induction of tumors of the nasal cavity in rats by concurrent feeding of thiram and sodium nitrite. Lijinsky W. **J Toxicol Environ Health** 1984;13(4–6):609–14

Chromosomal aberrations induced by sodium nitrite in bone marrow of adult rats and liver cells of transplacentally exposed embryos. el Nahas SM, et al. **J Toxicol Environ Health** 1984;13(4–6):643–7

Nitrates, nitrites and gastric cancer in Great Britain. Forman D, et al. **Nature** 1985 Feb 21–27;313(6004):620–5

Effects of sodium nitrite and potassium sorbate on in vitro cultured mammalian cells. Budayová E. **Neoplasma** 1985; 32(3):341–50

Genotoxic effects of drug/nitrite interaction products: evidence for the need of risk assessment. Brambilla G. **Pharmacol Res Commun** 1985 Apr;17(4):307–21 (70 ref.)

Toxicity, immunosuppressive effects and carcinogenic potential of volatile nitrites: possible relationship to Kaposi's sarcoma. Newell GR, et al. **Pharmacotherapy** 1984 Sep–Oct;4(5):284–91

The mutagenicity of nitrite–treated aqueous extract of Piper betle L. Chen HC, et al. **Proc Natl Sci Counc Repub China [B]** 1984 Jan;8(1):4–10

Suppressive influence of methemoglobinemia due to nitrite on hepatotoxicosis due to dimethylnitrosamine (DMN) in germ–free rats. Sumi Y, et al. **Prog Clin Biol Res** 1985; 181:301–4

Effect of dietary vitamin E on nitrite–treated rats. Chow CK, et al. **Toxicol Lett** 1984 Oct;23(1):109–17

Neoplasia induced in male rats fed lead acetate, ethyl urea, and sodium nitrite. Koller LD, et al. **Toxicol Pathol** 1985; 13(1):50–7

[Transplacental effect of sodium nitrite on rat lung cells with their subsequent culture in the medium with precursors of N–nitrosodimethylamine] Osin'kovskaia ND, et al. **Eksp Onkol** 1985;7(2):22–5 (Eng. Abstr.) **(Rus)**

[Oxyhemoglobin oxidation in mice exposed to sodium nitrite and phenylhydrazine (in vitro and in vivo)] Kostenko LKh, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Jan–Feb;(1):141–5 (Eng. Abstr.) **(Rus)**

URINE

Usefulness of tests for bacteriuria––my conclusions differ [letter] Mozdzen JJ Jr. **Am J Clin Pathol** 1985 Aug; 84(2):262–3

Leukocyte esterase activity and nitrite test as a rapid screen for significant bacteriuria. Oneson R, et al. **Am J Clin Pathol** 1985 Jan;83(1):84–7

Laboratory evaluation of leukocyte esterase and nitrite tests for the detection of bacteriuria. Pfaller MA, et al. **J Clin Microbiol** 1985 May;21(5):840–2

NITRO COMPOUNDS

[13C–nuclear magnetic resonance of nitro compounds and triazenes produced by decomposition of trisubstituted nitrosoureas] Sueyoshi S, et al. **Eisei Shikenjo Hokoku** 1984; (102):108–12 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Are there any withdrawal complications with nitro derivatives and calcium antagonists?] Guerot C. **Therapie** 1985 Jan–Feb;40(1):35–9 (Eng. Abstr.) **(Fre)**

ANALYSIS

Estimation of nitropolycyclic aromatic hydrocarbons in foods. Dennis MJ, et al. **Food Addit Contam** 1984 Jan–Mar; 1(1):29–37

Liquid chromatographic determination of organic nitrogenous bases in dosage forms: a progress report. Walker ST. **J Assoc Off Anal Chem** 1985 May–Jun; 68(3):539–42

Detection of nitro–polycyclic aromatic hydrocarbons in liquid chromatography by zinc reduction and peroxyoxalate chemiluminescence. Sigvardson KW, et al. **J Chromatogr** 1984 Dec 21;316:507–18

METABOLISM

Percutaneous absorption of nitroaromatic compounds: in vivo and in vitro studies in the human and monkey. Bronaugh RL, et al. **J Invest Dermatol** 1985 Mar;84(3):180–3

Does cimetidine impair nitroreduction? Gal J, et al. **J Pharm Sci** 1984 Aug;73(8):1187–8

PHARMACODYNAMICS

Effects of nitroheterocyclic drugs on macromolecule synthesis and degradation in Trypanosoma cruzi. Goijman SG, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1331–6

Antibacterial activities of nitrothiazole derivatives. Hof H, et al. **J Antimicrob Chemother** 1984 Jul;14(1):31–9

Direct vasodilators with unknown modes of action: the nitro–compounds and hydralazine. Kreye VA. **J Cardiovasc Pharmacol** 1984;6 Suppl 4:S646–55 (55 ref.)

Antimicrobial activity of some heterocyclic derivatives of 1–methyl–1–nitroethyl sulphides. Ghannoum MA, et al. **Microbios** 1985;42(171S):211–23

Bifunctional nitrofluorenes: structure–activity relationships in Salmonella typhimurium. Vance WA, et al. **Mutat Res** 1985 Aug;143(4):213–8

TOXICITY

Mutagenicity in Salmonella of nitroorganic compounds in extracts of fly ash from a lignite–fired atmospheric fluidized–bed combustor. Remsen JF, et al. **J Toxicol Environ Health** 1984;14(4):479–90

The orientation of the nitro substituent predicts the direct–acting bacterial mutagenicity of nitrated polycyclic aromatic hydrocarbons. Fu PP, et al. **Mutat Res** 1985 Jul; 143(3):173–81

Genetic and quantum chemical basis of the mutagenicity of nitroarenes for adenine–thymine base pairs. McCoy EC, et al. **Mutat Res** 1985 May;149(3):311–9

Nitroarenes in Suimon River sediment. Sato T, et al. **Mutat Res** 1985 Aug–Sep;157(2–3):135–43

NITROANISOLE O–DEMETHYLASE see under **OXIDOREDUCTASES**

NITROBACTER

ENZYMOLOGY

A comparative survey of several bacterial aa3–type cytochrome c oxidases. Yamanaka T, et al. **J Inorg Biochem** 1985 Mar–Apr;23(3–4):273–7

METABOLISM

Source of the oxygen atoms of nitrate in the oxidation of nitrite by Nitrobacter agilis and evidence against a P–O–N anhydride mechanism in oxidative phosphorylation. Hollocher TC. **Arch Biochem Biophys** 1984 Sep; 233(2):721–7

NITROBENZENES

Caffeine–picrylsulfonate liquid membrane electrode for selective determination of caffeine in analgesic preparations. Hassan SS, et al. **Anal Chem** 1985 May; 57(6):1126–30

Reconstitution of nucleosomes containing dinitrophenylated histones. MacDonald HS, et al. **Biochem J** 1985 Apr 1; 227(1):125–8

Determination of the sidedness of carbocyanine dye labeling of membranes. Wolf DE. **Biochemistry** 1985 Jan 29; 24(3):582–6

Trinitrophenylation of rabbit skeletal myosin by 2,4,6–trinitrobenzene sulfonate and treatment of trinitrophenyl myosin with dithiothreitol. Kodama S, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):831–6

Selective modification of myosin SH1 with 1,2,4–trinitrobenzene. VIII. Thiols of myosin. Sekine T, et al. **J Biochem (Tokyo)** 1984 Jul;96(1):27–33

Improved fixation for immunofluorescence microscopy using light–activated 1,3,5–triazido–2,4,6–trinitrobenzene (TTB). McBeath E, et al. **J Cell Biol** 1984 Dec;99(6):2061–73

Colorimetric determination of gentamicin, kanamycin, tobramycin, and amikacin aminoglycosides with 2,4–dinitrofluorobenzene. Ryan JA. **J Pharm Sci** 1984 Sep; 73(9):1301–2

Leads from the MMWR. Dinitrotoluenes in the workplace. **JAMA** 1985 Sep 6;254(9):1140

Dinitrotoluenes in the workplace. **MMWR** 1985 Aug 16; 34(32):502–3

[Pneumonitis in guinea pigs sensitized to 2,4–dinitrochlorobenzene as an experiment of pulmonary hypersensitivity to simple chemical compounds or medicaments. Nakajima H, et al. **Osaka City Med J** 1983; 29(2):179–84

Contact sensitivity to DNCB in normal and cell–mediated–immunity deficient chickens: in vivo detection and correlation with lymphocyte transformation and graft–versus–host reaction. Tiwary BK, et al. **Vet Immunol Immunopathol** 1985 Apr;8(4):329–39

ADMINISTRATION & DOSAGE

Epifocal dinitrochlorobenzene therapy in malignant melanoma (experience during the last eight years). Illig L, et al. **Anticancer Res** 1984 Jul–Oct;4(4–5):293–8

Reversal of gamma–radiation–induced leukemogenesis in mice by immunomodulation with thiabendazole and dinitrofluorobenzene. Elgebaly SA, et al. **JNCI** 1985 Apr; 74(4):811–5

[Treatment of alopecia areata with topical dinitrochlorobenzene. Results and follow–up] Benoldi D, et al. **G Ital Dermatol Venereol** 1985 May–Jun;120(3):231–3 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Transient and persistent photosensitivity due to musk ambrette. Clinical and photobiological studies. Ramsay CA. **Br J Dermatol** 1984 Oct;111(4):423–9

Photosensitivity to musk ambrette. Cronin E. **Contact Dermatitis** 1984 Aug;11(2):88–92

Contact urticaria to DNCB. van Hecke E, et al. **Contact Dermatitis** 1985 May;12(5):282

Methemoglobinaemia: an unusual presentation. Kokal KC, et al. **J Assoc Physicians India** 1984 Sep;32(9):833–4

Occupational photosensitivity to dinitrotoluene. Emtestam L, et al. **Photodermatol** 1985 Apr;2(2):120–1

Photosensitivity to musk ambrette. Lecha M, et al. **Photodermatol** 1984 Dec;1(6):313–5

Testing with musk ambrette and congeners in a case of photosensitivity dermatitis and actinic reticuloid syndrome

EWARK PUBLIC LIBRAR

(PD/AR). Schmidt RJ, et al. **Photodermatol** 1984 Aug;1(4):195-8

[Peroxidation of membrane lipids in experimental photochemotherapy] Akimov VG, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):22-5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Biochemical characteristics of cardiac myosin: the pH dependence of Ca-ATPase activity, and that of the absorption spectrum of 2,4,6-trinitrophenyl groups attached to myosin. Kameyama S, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):625-32

[The micelle catalysis of cetyltrimethyl ammonium bromide on phenylalanine arylation by 2,4-dinitrofluorobenzene] Kottke D, et al. **Pharmazie** 1985 Jun;40(6):395-7 (Eng. Abstr.) **(Ger)**

BLOOD

Induction of hapten-specific immunological tolerance and immunity in B lymphocytes. VII. Correlation between trinitrobenzenesulfonic acid administration, serum trinitrophenyl content, and level of tolerance. Fidler JM. **Cell Immunol** 1985 Aug;94(1):285-91

CHEMICAL SYNTHESIS

Pyrrolnitrin analogues. IX. Synthesis and biological activity of 1-tolyl-3-nitrophenyl-5-methylpyrazole-4-carboxylic acids and 1-tolyl-3-methyl-5-nitrophenylpyrazole-4-carboxylic acids. Cecchi L, et al. **Farmaco [Sci]** 1984 Oct;39(10):888-900

Bis(m-nitrophenyl) and bis(p-nitrophenyl) esters and the phosphorodiamidate of thymidine 5'-phosphate as potential sources of intracellular thymidine 5'-phosphate in mouse cells in culture. Chawla RR, et al. **J Med Chem** 1984 Dec;27(12):1733-6

DIAGNOSTIC USE

Dinitrochlorobenzene contact sensitization in patients with end-stage renal disease. Waltzer WC, et al. **Allergol Immunopathol (Madr)** 1984 Nov-Dec;12(6):479-82

Immunodetection of nitrocellulose-adhesive proteins at the nanogram level after trinitrophenyl modification. Wolff JM, et al. **Anal Biochem** 1985 Jun;147(2):396-400

Specific labeling of cytosolic and mitochondrial aspartate aminotransferases. Carotti D, et al. **Eur J Biochem** 1985 Feb 1;1'6(3):619-23

Photocross-linking from SH1 of the myosin heavy chain to light chains through the dinitrophenyl group attached to SH1. Sekine T, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):571-3

Induction of tolerance to urushiol by epicutaneous application of this hapten on dinitrofluorobenzene-treated skin. Hanau D, et al. **J Invest Dermatol** 1985 Jul;85(1):9-11

The value of the DNCB test in bladder cancer. Pretreatment evaluation of immune function and 5-year follow-up of patients with urinary bladder cancer. Flamm J, et al. **Urol Int** 1984;39(5):257-63

[Skin reactivity to dinitrochlorobenzene in patients with atopic asthma] Matusiewicz R, et al. **Pneumonol Pol** 1984 Jun;52(6):287-9 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Electron microscopic study on Langerhans cells and related cells in lymph nodes of DNCB-sensitive mice. Sonoda Y, et al. **Arch Dermatol Res** 1985;277(1):44-54

Autoantibody-specific suppressor cells are elicited by membrane components of rat RBC independently of circulating autoantibodies but TNP-specific suppressors are not elicited by TNP-rat RBC. Howles A, et al. **Aust J Exp Biol Med Sci** 1984 Aug;62 (Pt 4):429-43

Production of auto-anti-idiotype antibody during the normal immune response. XI. Ficoll-induced variations in auto-anti-idiotype production during the response to 2,4,6-trinitrophenyl-Ficoll. Bhogal BS, et al. **Cell Immunol** 1985 Mar;91(1):168-77

Production of auto-anti-idiotype antibody during the normal immune response. X. Response to TNP-Ficoll in the chicken. Bhogal BS, et al. **Cell Immunol** 1985 Mar;91(1):159-67

Induction of hapten-specific immunological tolerance and immunity in B lymphocytes. VII. Correlation between trinitrobenzenesulfonic acid administration, serum trinitrophenyl content, and level of tolerance. Fidler JM. **Cell Immunol** 1985 Aug;94(1):285-91

Desensitization of contract allergy to 2,4-dinitro-1-fluorobenzene in mice. II. Characteristics of 'immediate' desensitization. Mekori YA, et al. **Cell Immunol** 1984 Nov;89(1):84-94

Macrophage-derived soluble factors mediate suppression induced by 2,4-dinitrophenyl-conjugated mouse IgG in hybridoma cells. Tsao BP, et al. **Cell Immunol** 1985 Apr 1;91(2):362-74

Central suppression of monoclonal B cells: DNP-MGG suppresses proliferation and immunoglobulin synthesis in anti-DNP-secreting hybridoma and myeloma. Tsao BP, et al. **Cell Immunol** 1984 Oct 1;88(1):96-108

Structural and functional analysis of spontaneous anti-nitrophenyl antibodies in three cyprinid fish species: carp (Cyrinus carpio), goldfish (Carassius auratus) and tench (Tinca tinca). Vilain C, et al. **Dev Comp Immunol** 1984 Summer;8(3):611-22

Induction of 'allogeneic effect'-like reaction by syngeneic TNP-modified lymphoid cells. Ptak W, et al. **Immunobiology** 1984 May;166(4-5):368-81

Conformational changes induced by hapten in murine monoclonal antibodies to dinitrophenyl groups—the analysis by temperature-perturbation spectroscopy. Loseva OI, et al. **Immunol Lett** 1984;8(6):325-8

Limiting dilution analysis of the frequencies of helper and suppressor T cells in untreated and TNP-treated BALB/c mice: response as a consequence of perturbation of a stable steady state. Zöller M, et al. **Immunology** 1985 Aug;55(4):703-12

Administration of adenosine diphosphate-ribosyl transferase antagonist allows in vivo control of anti-dinitrophenyl response. Broomhead C, et al. **Int Arch Allergy Appl Immunol** 1985;77(3):358-63

Pattern of the primary and secondary antibody responses elicited by TNP-LPS in mice. Huchet R. **Int Arch Allergy Appl Immunol** 1985;76(2):182-4

Effects of a single oral dose of dinitrochlorobenzene on T lymphocyte distribution and migration in the gut. Jeurissen SH, et al. **Int Arch Allergy Appl Immunol** 1985;77(4):384-9

Regional and systemic immune responses to trinitrophenyl derivatives after intranasal and subcutaneous sensitization of mice. Enander I, et al. **J Allergy Clin Immunol** 1985 Jan;75(1 Pt 1):37-43

Idiotype connectance in the immune system. II. A heavy chain variable region idiotope that dominates the antibody response to the p-azobenzenearsonate group is a minor idiotope in the response to trinitrophenyl group. Hornbeck PV, et al. **J Exp Med** 1985 Jan 1;161(1):53-71

A trinitrophenyl(TNP)-poly-L-lysine-horseradish peroxidase conjugate for the detection of anti-TNP antibodies in vivo. Claassen E, et al. **J Histochem Cytochem** 1985 Aug;33(8):840-4

Double immunocytochemical staining in the study of antibody-producing cells in vivo. Combined detection of antigen specificity (anti-TNP) and (sub)class of intracellular antibodies. Van Rooijen N, et al. **J Histochem Cytochem** 1985 Mar;33(3):175-8

T cell regulation of light chain expression: preferential enhancement of Ig kappa production by T cells in the response to DNP. Burkly LC, et al. **J Immunol** 1985 Sep;135(3):1577-81

Ability of chicken B cells from different compartments to respond to TNP-Ficoll. Edelman AS, et al. **J Immunol** 1985 May;134(5):2879-83

Defining cytolytic T lymphocyte recognition of chemically modified self. I. Response to trinitrophenyl-H-2Kk. Handa K, et al. **J Immunol** 1985 Sep;135(3):1564-72

Immunoregulation in the rat: ontogeny of B cell responses to types 1, 2, and T-dependent antigens. Kimura S, et al. **J Immunol** 1985 May;134(5):2839-46

Suppressor T cell circuits in contact sensitivity. II. Induction and characterization of an efferent-acting, antigen-specific, H-2-restricted, monoclonal T cell hybrid-derived suppressor factor specific for DNFB contact hypersensitivity. Miller SD. **J Immunol** 1984 Dec;133(6):3112-20

TNP-specific Lyt-2+ cytolytic T cell clones preferentially respond to TNP-conjugated epidermal cells. Shimada S, et al. **J Immunol** 1985 Sep;135(3):1558-63

T cell regulation of the thymus-independent antibody response to trinitrophenylated-Brucella abortus (TNP-BA). Tanay A, et al. **J Immunol** 1985 Jun;134(6):3669-74

Size-dependent B lymphocyte subpopulations: relationship of cell volume to surface phenotype, cell cycle, proliferative response, and requirements for antibody production to TNP-Ficoll and TNP-BA. Thompson CB, et al. **J Immunol** 1984 Nov;133(5):2333-42

TNP-enzyme conjugates for the detection of anti-TNP antibody producing cells in vivo. Claassen E, et al. **J Immunol Methods** 1984 Dec 14;75(1):181-8

Intravenously injected, TNP-derivatized, Langerhans cell-enriched epidermal cells induce contact hypersensitivity in Syrian hamsters. Sullivan S, et al. **J Invest Dermatol** 1985 Apr;84(4):249-52

Dinitrochlorobenzene skin testing predicts response to hepatitis B vaccine in dialysis patients. Bramwell SP, et al. **Lancet** 1985 Jun 22;1(8443):1412-5

Natural DNP-binding immunoglobulins and antibody multispecificity. Ortega E, et al. **Mol Immunol** 1984 Oct;21(10):883-8

DNCB and PPD skin tests and prognosis in 152 patients with breast cancer. A prospective 2-year follow-up. Munzarová M, et al. **Neoplasma** 1985;32(1):45-50

[The quantitative dinitrochlorobenzene hypersensitivity test in acquired syphilis] Gliński W, et al. **Przegl Dermatol** 1984 Sep-Oct;71(5):443-7 (Eng. Abstr.) **(Pol)**

[Modification of sulfhydryl groups in ribosomal proteins by a dinitrophenyl hapten] Kozhukharova MS, et al. **Bioorg Khim** 1983 Jul;9(7):900-5 (Eng. Abstr.) **(Rus)**

METABOLISM

Uptake, elimination, and metabolism of 14C-picric acid and 14C-picramic acid in the American oyster (Crassostrea virginica). Burton DT, et al. **Arch Environ Contam Toxicol** 1984 Nov;13(6):653-63

Biomonitoring of aniline and nitrobenzene. Hemoglobin binding in rats and analysis of adducts. Albrecht W, et al. **Arch Toxicol** 1985 Apr;57(1):1-5

Drug-protein conjugates—VIII. The metabolic fate of the dinitrophenyl hapten conjugated to albumin. Kitteringham NR, et al. **Biochem Pharmacol** 1985 May 15;34(10):1763-71

In vivo and in vitro metabolism of 2,4-dinitrotoluene in strain A mice. Schut HA, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):969-76

Crosslinking of troponin complex with 1,3-difluoro-4,6-dinitrobenzene. Identification of the crosslink formed between troponin C and troponin I in the absence of Ca2+. Dobrovol'sky AB, et al. **Biochim Biophys Acta** 1984 Sep 11;789(2):144-51

Metabolism of dinitrotoluene isomers by Escherichia coli isolated from human intestine. Mori M, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):4070-5

Intestinal metabolism of 2,4-dinitrotoluene in rats. Mori M, et al. **Chem Pharm Bull (Tokyo)** 1985 Jan;33(1):327-32

In vitro metabolism of N-nitrodialkylamines. Suzuki E, et al. **Gann** 1985 Jan;76(1):28-36

Dinitrotoluene: an assessment of occupational absorption during the manufacture of blasting explosives. Woollen BH, et al. **Int Arch Occup Environ Health** 1985;55(4):319-30

Reduction of 2,4-dinitrotoluene by Wistar rat liver microsomal and cytosol fractions. Mori M, et al. **Toxicol Appl Pharmacol** 1984 Oct;76(1):105-12

Identification and quantification of urinary metabolites of dinitrotoluenes in occupationally exposed humans. Turner MJ Jr, et al. **Toxicol Appl Pharmacol** 1985 Aug;80(1):166-74

Mechanisms of the reductive denitration of pentachloronitrobenzene (PCNB) and the reductive dechlorination of hexachlorobenzene (HCB). Renner G, et al. **Xenobiotica** 1984 Sep;14(9):705-10

Biotransformation of derivatives of the fungicides pentachloronitrobenzene and hexachlorobenzene in mammals. Renner G, et al. **Xenobiotica** 1984 Sep;14(9):693-704

[Aryl hydrocarbon hydroxylase in human lymphocytes: p-nitrophenetol as an alternative substrate to benzo(a)pyrene] Pfeil D, et al. **Z Gesamte Hyg** 1984 Sep;30(9):485-7 (Eng. Abstr.) **(Ger)**

[Experimental studies on the suppression of contact sensitivity. The distribution of 2, 4-dinitrophenyl groups in guinea pigs following feeding of 2,4-dinitrochlorobenzene] Takei Y. **Nippon Hifuka Gakkai Zasshi** 1985 May;95(6):663-7 **(Jpn)**

PHARMACODYNAMICS

Trinitrophenylation of smooth muscle myosin. Srivastava S, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):748-55

Properties of mitochondria treated with 1-chloro-2,4-dinitrobenzene. Jocelyn PC, et al. **Biochem Pharmacol** 1985 May 1;34(9):1588-90

Trinitrobenzenesulfonate modification of the lysine residues in lactose repressor protein. Whitson PA, et al. **Biochemistry** 1984 Dec 4;23(25):6046-52

Tolerance and immunity in antigen-specific B-lymphocyte lines: early receptor binding of either antigen or tolerogen initiates an immune response. Aldo-Benson MA, et al. **Cell Immunol** 1985 Sep;94(2):312-25

The human lymphokine-activated killer cell system. V. Purified recombinant interleukin 2 activates cytotoxic lymphocytes which lyse both natural killer-resistant autologous and allogeneic tumors and trinitrophenyl-modified autologous peripheral blood lymphocytes. Grimm EA, et al. **Cell Immunol** 1985 Sep;94(2):568-78

Inhibition of polymorphonuclear leukocyte functions by fluorinated nitrobenzenes. Elferink JG, et al. **Chem Biol Interact** 1984 Dec;52(2):163-72

The inhibition of mitochondrial F1-ATPase by 1,5-difluoro-2,4-dinitrobenzene. Akhrem AA, et al. **FEBS Lett** 1985 Aug 5;187(2):249-52

The effect of 2,4,6-trinitrobenzenesulfonate on mercuric reductase, glutathione reductase and lipoamide dehydrogenase. Carlberg I, et al. **FEBS Lett** 1985 Jan 21;180(1):102-6

Chemical modification of ribonuclease A with 4-arsono-2-nitrofluorobenzene. Hummel CF, et al. **Int J Pept Protein Res** 1984 Jul;24(1):1-13

Effect of dinitrophenyl modification on oxidation-reduction of glutathione reductase from yeast. Maeda-Yorita K, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1795-801

Artificial electron transport mediated by trinitrophenyl groups introduced into protein molecules by means of chemical modification. Sakihama N, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):371-5

Inhibition of anti-DNP antibody formation by high doses of DNP-polyacrylamide molecules; effects of hapten density and hapten valence. Dintzis RZ, et al. **J Immunol** 1985 Jul;135(1):423-7

Relationship between red blood cell uptake and methemoglobin production by nitrobenzene and dinitrobenzene in vitro. Goldstein RS, et al. **Life Sci** 1985 Jan 14;36(2):121-5

Effect of GSH depletion by 1-chloro-2,4-dinitrobenzene on human platelet aggregation, arachidonic acid oxidative metabolism and cytoskeletal proteins. Bosia A, et al. **Thromb Res** 1985 Feb 1;37(3):423-34

[Availability of DNP-modified 5'- and 3'-ends of the poly(U) fragment bound to the 30S ribosomal subunit for interaction with antibodies] Evstaf'eva AG, et al. **Biokhimiia** 1984 Jul; 49(7):1059–65 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Dinitrochlorbenzene (DNCB) treatment of viral warts. A 5-year follow-up study. Johansson E, et al. **Acta Derm Venereol (Stockh)** 1984;64(6):529–33

Treatment of alopecia areata with dinitrochlorobenzene. Temmerman L, et al. **Acta Derm Venereol (Stockh)** 1984; 64(5):441–3

Therapeutic effect of dinitrochlorobenzene (DNCB) on verruca plana and verruca vulgaris. Lee S, et al. **Int J Dermatol** 1984 Nov;23(9):624–6

Successful treatment of alopecia areata with dinitrochlorobenzene in a patient with Down's syndrome. Hatamochi A, et al. **J Dermatol (Tokyo)** 1984 Apr; 11(2):191–3

[Dinitrochlorobenzene. Therapeutic use] Heid E, et al. **Ann Dermatol Venereol** 1984;111(9):841–9 (81 ref.) **(Fre)**

TOXICITY

Effect of highly radiolabelled 2,4-dinitrochlorobenzene (DNCB) on experimental DNCB contact dermatitis in guinea pigs. Filipp G, et al. **Allergy** 1984 Oct;39(7):499–507

The mutagenicity of dinitrochlorobenzene. Black HS, et al. **Arch Dermatol** 1985 Mar;121(3):348–9

The potential hazards of dinitrochlorobenzene [editorial] Happle R. **Arch Dermatol** 1985 Mar;121(3):330–2

Photodermatitis from musk ambrette in barbers' cologne. Goh CL, et al. **Contact Dermatitis** 1985 Apr;12(4):229–30

Dinitrotoluene: acute toxicity, oncogenicity, genotoxicity, and metabolism. Rickert DE, et al. **CRC Crit Rev Toxicol** 1984;13(3):217–34 (86 ref.)

Morphologic and biochemical studies of a nitrobenzene-induced encephalopathy in rats. Morgan KT, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring; 6(1):105–16

[Acute oral toxicity in the rat of 3-nitro-4-chloro-alpha,alpha, alpha-trifluorotoluene (NCTT) and 3,5-dinitro-4-chloro-alpha,alpha, alpha-trifluorotoluene (DNCTT)] Bucchi AR, et al. **Ann Ist Super Sanita** 1983;19(2–3):351–4 (Eng. Abstr.) **(Ita)**

NITROBENZOATES

Estimation of disulfide bonds using 2-nitro-5-thiosulfobenzoic acid: limitations. Damodaran S. **Anal Biochem** 1985 Feb 15;145(1):200–4

5,5'-Dithiobis(2-nitrobenzoic acid) does not influence isolation or lipid composition of lipoproteins obtained by ultracentrifugation [letter] Tallet F, et al. **Clin Chem** 1984 Oct;30(10):1713–4

Hydrophobic interactions of human milk lipase. O'Connor CJ, et al. **J Pediatr Gastroenterol Nutr** 1985 Jun;4(3):446–52

[P-nitrobenzoic acid medium (PNB medium) as an aid to differentiate tubercle bacilli from other mycobacteria. (A review)] Tsukamura M. **Kekkaku** 1984 Jun;59(6):361–8 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Analysis of plasma cyanate as 2-nitro-5-thiocarbamylbenzoic acid by high-performance liquid chromatography. Eiger S, et al. **Anal Biochem** 1985 May 1;146(2):321–6

BLOOD

Binding of DTNB to band 3 in the human red cell membrane. Toon MR, et al. **Biochim Biophys Acta** 1985 Aug 27; 818(2):158–70

DIAGNOSTIC USE

Labeling of cysteine-containing peptides with 2-nitro-5-thiobenzoic acid. Sliwkowski MX, et al. **Anal Biochem** 1985 Jun;147(2):369–73

Selective separation of tryptophan-containing peptides via hydrophobic modification with 2-nitro-4-carboxyphenylsulfenyl chloride. Tanaka S, et al. **J Biochem (Tokyo)** 1985 May;97(5):1377–84

PHARMACODYNAMICS

Effect of DTNB-treatment on Ca++-sensitivity of superprecipitation and ATPase activity of actomyosin. Csabina S, et al. **Acta Physiol Hung** 1985;65(4):399–405

Number and function of sulphydryl groups of N-acetylneuraminate lyase. Kolisis FN. **Arch Int Physiol Biochim** 1985 Jun;93(2):89–92

A comparative study of sulfhydryl groups required for the catalytic activity of gramicidin S synthetase and isoleucyl tRNA synthetase. Kanda M, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):701–11

Hybrid with rabbit skeletal DTNB-light chains of heavy meromyosin, myosin, and glycerinated fibers from Akazara scallop adductor. Ojima T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1109–15

Studies on the reactivity of the essential sulfhydryl groups as a conformational probe for the fatty acid synthetase of chicken liver. Inactivation by 5,5'-dithiobis-(2-nitrobenzoic acid) and intersubunit cross-linking of the inactivated enzyme. Tian WX, et al. **J Biol Chem** 1985 Sep 15;260(20):11375–87

Effects of 5,5'-dithiobis-(2-nitrobenzoic acid) on opiate binding to both the membrane-bound receptor and the partially purified opiate receptor. Nozaki M, et al. **J Neurochem** 1985 Aug;45(2):461–4

TOXICITY

[Experimental establishment of the maximum permissible concentration of para-nitrobenzoylchloride in the air of a work area] Kudria MIa, et al. **Gig Tr Prof Zabol** 1984 Sep;(9):47–8 **(Rus)**

NITROBLUE TETRAZOLIUM see under **TETRAZOLIUM SALTS**

NITROCELLULOSE see **COLLODION**

NITRODIAZEPAM see **NITRAZEPAM**

NITROFURAL see **NITROFURAZONE**

NITROFURANS

No detectable reaction of the anion radical metabolite of nitrofurans with reduced glutathione or macro-molecules. Polnaszek CF, et al. **Chem Biol Interact** 1984 Oct; 51(3):263–71

ADMINISTRATION & DOSAGE

[Antimicrobial woolen fabrics as a means of preventing and treating skin diseases] Likhacgeva NP, et al. **Gig Sanit** 1985 Feb;(2):77–8 **(Rus)**

ANALYSIS

Assay of nitrofurantoin oral suspensions contaminated with 3-(5-nitrofurfurylideneamino)hydantoic acid. Juenge EC, et al. **J Pharm Sci** 1985 Jan;74(1):100–2

CHEMICAL SYNTHESIS

[Synthesis and biological activities of some new 3-methyl-5-nitrofuran derivatives] Lu JM, et al. **Yao Hsueh Hsueh Pao** 1984 Sep;19(9):660–6 (Eng. Abstr.) **(Chi)**

METABOLISM

Studies on nifurtimox nitroreductase activity in liver and other rat tissues. Masana M, et al. **Arch Int Pharmacodyn Ther** 1984 Jul;270(1):4–10

Renal reduced nicotinamide adenine dinucleotide phosphate:cytochrome c reductase-mediated metabolism of the carcinogen N-[4-(5-nitro-2-furyl)-2-thiazolyl]acetamide. Mattammal MB, et al. **Cancer Res** 1985 Jan;45(1):149–56

Metabolic activation of the carcinogen N-[4-(5-nitro-2-furyl)-2-thiazolyl]acetamide by prostaglandin H synthase. Zenser TV, et al. **Carcinogenesis** 1984 Oct;5(10):1225–30

Cis-trans isomerization of a nitrofuran AF-2 by rat liver microsomal preparations. Koga N, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):3309–12

Effect of phenothiazine, allopurinol, and glucaron on nitrofuran binding in rats. Morton KC, et al. **Drug Metab Dispos** 1984 Sep-Oct;12(5):672–3

Studies on cis-trans isomerization of nitrofuran derivatives by bacterial nitroreductases. Koga N, et al. **J Pharmacobiodyn** 1984 Aug;7(8):570–6

Disposition in rats and mice of 7-methoxy-2-nitronaphtho[2,1-b]furan. Maurizis JC, et al. **Xenobiotica** 1985 Feb;15(2):141–8

[Kinetic study of nitrofuran reduction by xanthine oxidase] Goniberg EM, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jul-Aug;(4):619–23 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Feed additives to chick starter mixtures under tropical conditions. Flachowsky G, et al. **Beitr Trop Landwirtsch Veterinarmed** 1984;22(3):299–303

Effect of nitroheterocyclic drugs on lipid peroxidation and glutathione content in rat liver extracts. Dubin M, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3419–23

Damage of Trypanosoma cruzi deoxyribonucleic acid by nitroheterocyclic drugs. Goijman SG, et al. **Biochem Pharmacol** 1985 May 1;34(9):1457–61

Mutagenicity studies of a carcinogenic nitrofuran and some analogues. Jung R, et al. **Biomed Biochim Acta** 1985; 44(3):485–92

Structure-mutagenicity relationships of 5-nitro-2-furylethylenes in Salmonella typhimurium TA98. Sturdík E, et al. **Chem Biol Interact** 1985 Feb–Apr; 53(1–2):145–53

In vivo activity of nifurzide and nifuroxazide in intestinal bacteria in man and gnotobiotic mice. Leonard F, et al. **J Appl Bacteriol** 1985 Jun;58(6):545–53

A rapid method for testing in vivo the susceptibility of different strains of Trypanosoma cruzi to active chemotherapeutic agents. Filardi LS, et al. **Mem Inst Oswaldo Cruz** 1984 Apr–Jun;79(2):221–5

Study of the mutagenic activity of 6 hepatotoxic pharmaceutical drugs in the Salmonella typhimurium microsome test, and the HGPRT and Na+/K+ ATPase system in cultured mammalian cells. Dayan J, et al. **Mutat Res** 1985 Jul;157(1):1–12

Protective effect of R-factor plasmid pKM101 on lethal damage by UV and chemical mutagens in E. coli strains with different DNA-repairing capacities. Nunoshiba T, et al. **Mutat Res** 1984 Nov–Dec;141(3–4):135–9

Trypanocidal drugs and the role of kidney forms of Trypanosoma (Herpetosoma) musculi in immunity of mice against reinfection. Dusanic DG. **Z Parasitenkd** 1985; 71(1):19–31

[Filaricidal effect of 4 (5-nitrofuryl-2)-methylene amino compounds] Xi YR, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):207–11 **(Chi)**

[Sensitivity of diarrhea organisms to nifuroxazide] Dodin A, et al. **Bull Soc Pathol Exot Filiales** 1984 May–Jun; 77(3):295–7 (Eng. Abstr.) **(Fre)**

[The effect of nitrofurans on the membrane apparatus of coccal bacteria] Kutsmako RT, et al. **Prikl Biokhim Mikrobiol** 1984 Nov–Dec;20(6):798–803 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Pentavalent antimonial treatment in mucosal leishmaniasis [letter] Sampaio RN, et al. **Lancet** 1985 May 11; 1(8437):1097

Clinical trial on furapyrimidone in filariasis. Chen MG, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):287–93

[Furapyrimidone in the treatment of bancroftian filariasis] Ren YF. **Chung Hua Nei Ko Tsa Chih** 1985 Apr; 24(4):221–3, 255 (Eng. Abstr.) **(Chi)**

[Antimycotic effect of nifuratel: in vitro studies and clinical trial] Freiesleben H, et al. **Mykosen** 1984 Dec;27(12):599, 602–4, 607 (Eng. Abstr.) **(Ger)**

[Comparative activity of clotrimazole and nifuratel plus nystatin in vaginal infections of various etiologies] Nencioni T, et al. **Minerva Ginecol** 1984 Jul–Aug;36(7–8):465–9 (Eng. Abstr.) **(Ita)**

TOXICITY

Induction of sarcomas in rats by subcutaneous injection of 7-methoxy-2-nitro-naphtho[2,1-b]furan (R 7000). Salmon RJ, et al. **Carcinogenesis** 1985 Jan;6(1):109–11

Micronucleus formation in bone marrow of mice treated with nifurtimox or benznidazole. Gorla NB, et al. **Toxicol Lett** 1985 Jun;25(3):259–63

Studies on pentane evolution by rats treated with nifurtimox or benznidazole. Castro GD, et al. **Toxicology** 1985 Jun 28;35(4):319–26

NITROFURANTOIN

ADVERSE EFFECTS

Nitrofurantoin and peripheral neuropathy [letter] Jacknowitz A. **Ann Intern Med** 1985 Jan;102(1):138–9

Chronic active hepatitis induced by nitrofurantoin. Young TL, et al. **Cleve Clin Q** 1985 Summer;52(2):253–6

Nitrofurantoin. D'Arcy PF. **Drug Intell Clin Pharm** 1985 Jul–Aug;19(7–8):540–7 (116 ref.)

Nitrofurantoin-stimulated oxidant production in pulmonary endothelial cells. Martin WJ 2d, et al. **J Lab Clin Med** 1985 Jan;105(1):23–9

Nitrofurantoin-induced liver disease. A case report. Fuchs HA, et al. **J Tenn Med Assoc** 1984 Oct;77(10):584–5

Nitrofurantoin induced neutropenia: case report. Carroll DA. **Milit Med** 1984 Oct;149(10):570–1

Interstitial lung disease caused by chronic nitrofurantoin reaction; case report. Qureshi MM. **Wis Med J** 1984 Sep; 83(9):20–2

[Chronic active hepatitis caused by nitrofurantoin: a case report] Burger HC, et al. **S Afr Med J** 1985 Jan 26; 67(4):125–6 (Eng. Abstr.) **(Afr)**

[Fatal hepatitis from nitrofurantoin] Baccino E, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Jan;21(1):51–2 **(Fre)**

[Pulmonary complications following nitrofurantoin] Dragsund S, et al. **Tidsskr Nor Laegeforen** 1984 Oct 10; 104(28):1968–9 (Eng. Abstr.) **(Nor)**

[Acute abdomen and nitrofurantoin (letter)] Palou Redorta J, et al. **Med Clin (Barc)** 1985 Apr 13;84(14):588–9 **(Spa)**

ANALYSIS

Assay of nitrofurantoin oral suspensions contaminated with 3-(5-nitrofurfurylideneamino)hydantoic acid. Juenge EC, et al. **J Pharm Sci** 1985 Jan;74(1):100–2

[Simultaneous polarographic determination of nitrofurantoin and phenazopyridine in tablets] Surmann P, et al. **Arch Pharm (Weinheim)** 1985 Jan;318(1):14–21 (Eng. Abstr.) **(Ger)**

METABOLISM

Inhibitors of nitrofuran reduction in Escherichia coli: evidence for their existence, partial purification, binding of nitrofurantoin in vitro, and implications for nitrofuran resistance. Sastry SS, et al. **Arch Biochem Biophys** 1985 Jan;236(1):252–9

Effects of oxygen on the disposition of nitrofurantoin in intact rat lung. Minchin RF, et al. **Drug Metab Dispos** 1984 Nov–Dec;12(6):787–9

Disposition of nitrofurantoin and nitrofurazone in the isolated perfused rat kidney. Hoener B, et al. **J Pharm Sci** 1984 Nov;73(11):1669–71

Dose- and time-dependent kinetics of the renal excretion of nitrofurantoin in the rabbit. Watari N, et al. **J Pharm Sci** 1985 Feb;74(2):165–70

[Pharmacokinetics of drugs in the growing child] Wierzba K, et al. **Pediatr Pol** 1984 Nov;59(11):955–63 (Eng. Abstr.) (Pol)

[Pharmacokinetics of nitrofurantoin in the bodies of pregnant rats] Wierzba K, et al. **Probl Med Wieku Rozwoj** 1984; 13:185–92 (Eng. Abstr.) (Pol)

PHARMACODYNAMICS

Metabolic and morphologic effects of the antimicrobial agent nitrofurantoin on human erythrocytes in vitro. Dershwitz M, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1963–70

The effects of chlorate- and streptomycin-resistance mutations on nitrofurantoin resistance in Escherichia coli K–12. Obaseiki-Ebor EE, et al. **Can J Microbiol** 1984 Dec; 30(12):1448–52

In vitro effects of the combination of nitrofurantoin and trimethoprim against sensitive and nitrofurantoin and trimethoprim-resistant Escherichia coli K12. Obaseiki-Ebor EE. **Chemotherapy** 1985;31(2):124–9

The enhancement of R-plasmid-mediated resistance to aminoglycoside antibiotics by mutations to nitrofurantoin resistance in Escherichia coli. Breeze AS, et al. **J Antimicrob Chemother** 1984 Nov;14(5):477–83

Nitrofurantoin-resistant mutants of Escherichia coli: isolation and mapping. Sastry SS, et al. **MGG** 1984;196(2):379–80

THERAPEUTIC USE

Three-day therapy with cephalexin for lower urinary tract infections in children. Helin I. **Scand J Infect Dis** 1984; 16(3):305–7

[Results of 3 or 10 days' treatment with nitrofurantoin or cotrimoxazole in urinary infections in children] Ruberto U, et al. **Pediatr Med Chir** 1984 Jan–Feb;6(1):73–5 (Eng. Abstr.) (Ita)

[Nitrofurantoin in the treatment of recurrent acute cystitis] Rodrígues Netto Jr N, et al. **Arch Esp Urol** 1984 Jul–Aug; 37(4):289–93 (Eng. Abstr.) (Spa)

TOXICITY

Effects of glutathione depletion using buthionine sulphoximine on the cytotoxicity of nitroaromatic compounds in mammalian cells in vitro. Hodgkiss RJ, et al. **Biochem Pharmacol** 1985 Jun 15;34(12):2175–8

General reproduction, perinatal-postnatal, and teratology studies of nitrofurantoin macrocrystals in rats and rabbits. Prytherch JP, et al. **J Toxicol Environ Health** 1984; 13(4–6):811–23

Paraquat and nitrofurantoin inhibit growth of Escherichia coli by inducing stringency. Seither RL, et al. **J Toxicol Environ Health** 1984;14(5–6):763–71

NITROFURAZONE

ADMINISTRATION & DOSAGE

[Complex treatment of patients with chronic bronchitis using electrophoresis and intratracheal infusions in a sanatorium] Kalinina TF, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):39–42 (Eng. Abstr.) (Rus)

[Prolonged drip lavage of the caliceal-pelvic system of the kidneys after operations in the complex treatment of calculous pyelonephritis in children] Pulatov AT, et al. **Klin Khir** 1985;(6):19–21 (Eng. Abstr.) (Rus)

[Papain-furacillin dialysis and ultrasonic therapy combined with active surgical treatment of acute destructive lactation mastitis] Udod VM, et al. **Klin Khir** 1985 Jan;(1):33–5 (Eng. Abstr.) (Rus)

[Treatment of trophic ulcers with algipor] Sogomonian LM, et al. **Vestn Dermatol Venerol** 1984 Oct;(10):71–4 (Eng. Abstr.) (Rus)

ANALYSIS

Liquid chromatographic determination of carbadox, desoxycarbadox, and nitrofurazones in pork tissues. MacIntosh AI, et al. **J Assoc Off Anal Chem** 1984 Sep–Oct; 67(5):958–62

METABOLISM

Disposition of nitrofurantoin and nitrofurazone in the isolated perfused rat kidney. Hoener B, et al. **J Pharm Sci** 1984 Nov;73(11):1669–71

THERAPEUTIC USE

Effect of drugs on Giardia lamblia in vitro. Ahmed TH, et al. **J Egypt Soc Parasitol** 1984 Dec;14(2):435–9

[Evaluation of absorbent dressings as antimicrobial vehicles] Mariani U, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Jul–Aug;39(4):163–7 (Eng. Abstr.) (Por)

[Treatment of trophic ulcers with algipor] Sogomonian LM, et al. **Vestn Dermatol Venerol** 1984 Oct;(10):71–4 (Eng. Abstr.) (Rus)

NITROGEN

Industrial gas hazard [letter] Russell WJ. **Anaesth Intensive Care** 1985 Feb;13(1):106

Applicability of Henry's law to hydrogen, helium, and nitrogen solubilities in water and olive oil at 37 degrees C and pressures up to 300 atmospheres. Gerth WA. **Arch Biochem Biophys** 1985 Aug 15;241(1):187–99

Diving medicine. Kizer KW. **Emerg Med Clin North Am** 1984 Aug;2(3):513–30

Central and peripheral causes of hyperreflexia in humans breathing 5% trimix at 650 m. Parmentier JL, et al. **J Appl Physiol** 1985 Apr;58(4):1239–45

Effects of solvent medium on solubility III: Hydrophilic-lipophilic character exhibited by some functional groups having oxygen or nitrogen in ethanol-water. Manzo RH, et al. **J Pharm Sci** 1984 Aug; 73(8):1094–7

[Preliminary study of nitrogen encapsulation on Zeolite 3A and its pharmaceutical application] Marie P, et al. **J Pharm Belg** 1985 Mar–Apr;40(2):85–94 (Eng. Abstr.) (Fre)

ADMINISTRATION & DOSAGE

Nitrogen balance studies in aging rats. Baldwin JK, et al. **Exp Gerontol** 1985;20(1):29–34

Quantitative aspects of glycine and alanine nitrogen metabolism in postabsorptive young men: effects of level of nitrogen and dispensable amino acid intake. Yu YM, et al. **J Nutr** 1985 Mar;115(3):399–410

A method for estimating nitrogen intake of patients with chronic renal failure. Maroni BJ, et al. **Kidney Int** 1985 Jan;27(1):58–65

[Tolerance of moderate normobaric hypoxia by patients with chronic salpingo-oophoritis] Chizhov AIa, et al. **Akush Ginekol (Mosk)** 1984 Nov;(11):59–62 (Eng. Abstr.) (Rus)

[Radial growth rate of soil Micromycetes colonies under different conditions of nitrogen nutrition] Namir KhSh, et al. **Mikrobiologiia** 1985 Jan–Feb;54(1):164–5 (Eng. Abstr.) (Rus)

[Radioprotective action of GHM-10 when administered with dextran sulfate and heparin] Zhukova NA, et al. **Radiobiologiia** 1985 May–Jun;25(3):414–6 (Eng. Abstr.) (Rus)

[Liquid nitrogen cryotherapy in dermatology] Orlova LA. **Vestn Dermatol Venerol** 1984 Aug;(8):58–60 (Eng. Abstr.) (Rus)

ANALYSIS

Microassay for ammonium by determination of ammonia nitrogen in a nitrogen analyzer. Gerth K. **Anal Biochem** 1985 Feb 1;144(2):432–5

Method for measuring nitrate-nitrogen in vegetables using anion-exchange high-performance liquid chromatography. Hunt J, et al. **Analyst** 1985 Feb;110(2):131–3

Automatic potentiometric micro-determination of basic nitrogen in organic compounds. Pietrogrande A, et al. **Analyst** 1984 Dec;109(12):1541–3

A comparison of the sensitivity of pulmonary artery pressure, end-tidal carbon dioxide, and end-tidal nitrogen in the detection of venous air embolism in the dog. Drummond JC, et al. **Anesth Analg** 1985 Jul;64(7):688–92

Accumulation of methane, acetone, and nitrogen in the inspired gas during closed-circuit anesthesia. Morita S, et al. **Anesth Analg** 1985 Mar;64(3):343–7

Patterns of K/N ratios with growth of guinea pig, beagle, and pig. Sheng HP, et al. **Growth** 1985 Spring;49(1):141–53

Nitrogen versus muscle calcium in the genesis of abnormal muscle function in malnutrition. Russell DM, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):415–21

Adaptation of Pope and Stevens method for rapid determination of the amino nitrogen content in certain raw materials and animal products. Fik M, et al. **Nahrung** 1984; 28(8):883–7

Gas chromatographic investigation of volatile nitrogen containing bases of Antarctic krill Euphausia superba Dana. Svetlova NI, et al. **Nahrung** 1985;29(2):143–51

Effect of storage temperatures on opacity and total nitrogen content of cholera vaccine. Gupta RK, et al. **Vaccine** 1984 Dec;2(4):284–6

[Regional differences in the chemical composition of the human tibia] Piatkowski J, et al. **Anat Anz** 1985; 158(4):315–22 (Eng. Abstr.) (Ger)

[The bacterial fraction in swine feces] Meinl M, et al. **Arch Tierernahr** 1985 Jan;35(1):33–44 (Eng. Abstr.) (Ger)

[Evaluation of the protein quality of meat flour from the tollo shark (Squalus acanthias)] Rúa AL, et al. **Arch Latinoam Nutr** 1984 Mar;34(1):146–68 (Eng. Abstr.) (Spa)

ANTAGONISTS & INHIBITORS

Cyanide and sulfide interact with nitrogenous compounds to influence the relaxation of various smooth muscles. Kruszyna H, et al. **Proc Soc Exp Biol Med** 1985 May; 179(1):44–9

BLOOD

Sensitivity of end-tidal nitrogen in venous air embolism detection in dogs. Matjasko J, et al. **Anesthesiology** 1985 Oct;63(4):418–23

Effect of mammalian growth hormone on amino nitrogen mobilization in the eel. Inui Y, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):287–94

Influence of blood flow on cutaneous permeability to inert gas. Lin YC, et al. **J Appl Physiol** 1984 Oct;57(4):1167–72

Seal lungs collapse during free diving: evidence from arterial nitrogen tensions. Falke KJ, et al. **Science** 1985 Aug 9; 229(4713):556–8

[Levels of fatty acids, glucose, fructose, lactate and total alpha-amino N in blood plasma of sows and piglets prior to colostrum uptake] Umbach R, et al. **Arch Exp Veterinarmed** 1984 Jul;38(4):583–607 (Eng. Abstr.) (Ger)

CEREBROSPINAL FLUID

[Rest nitrogen content of cerebrospinal fluid in children: relationship to the brain barrier function] Ratzmann GW, et al. **Padiatr Grenzgeb** 1985;24(2):137–45 (Eng. Abstr.) (Ger)

DIAGNOSTIC USE

Determinants of the slope of phase III of the single breath nitrogen test. Berend N, et al. **Bull Eur Physiopathol Respir** 1984 Nov–Dec;20(6):521–7

Effect of increasing bronchodilatation on the single breath nitrogen test. Olofsson J, et al. **Bull Eur Physiopathol Respir** 1985 Jan–Feb;21(1):31–6

Substitution reactions of 99mTcNCl-4--A route to a new class of 99mTc-radiopharmaceuticals. Baldas J, et al. **Int J Appl Radiat Isot** 1985 Feb;36(2):133–9

Serial determination of lung volume in small animals by nitrogen washout. Standaert TA, et al. **J Appl Physiol** 1985 Jul;59(1):205–10

Moment analysis of multibreath nitrogen washout in young children. Wall MA. **J Appl Physiol** 1985 Jul;59(1):274–9

Moment analysis of multibreath nitrogen washout with a variable input gas composition. Felton CR, et al. **Med Biol Eng Comput** 1984 Nov;22(6):486–92

Calculation of lung volume in newborn infants by means of a computer-assisted nitrogen washout method. Sjöqvist BA, et al. **Pediatr Res** 1984 Nov;18(11):1160–4

Informative value of simple multibreath nitrogen washout measurements for clinical and research purposes. Cutillo AG, et al. **Respiration** 1985;47(2):81–9

[Phase analysis of cardiogenic oscillations on the simultaneous washout curves of He and N2] Yoshioka T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Oct; 22(10):890–8 (Eng. Abstr.) (Jpn)

[Amplitude of cardiogenic oscillations (CO) of helium and nitrogen concentrations on simultaneous single-breath washout curves] Yoshioka T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jun; 22(6):453–60 (Eng. Abstr.) (Jpn)

METABOLISM

Bacterial microflora of nitrogen industry wastewaters. Bisz-Konarzewska A, et al. **Acta Microbiol Pol** 1984; 33(3–4):277–83

Quantitative selection of denitrifying bacteria in continuous cultures and requirement for organic carbon. I. Starch. Mycielski R, et al. **Acta Microbiol Pol** 1985;34(1):67–79

Nitrogen-13 as a biochemical tracer. Cooper AJ, et al. **Adv Enzymol** 1985;57:251–356 (305 ref.)

Human protein requirements. Problems of maintaining nitrogen balance on a low income. Harper AE. **Ala J Med Sci** 1984 Oct;21(4):389–94

Nitrogen utilization, enzyme activity, glucose intolerance and leukocyte chemotaxis in human experimental zinc depletion. Baer MT, et al. **Am J Clin Nutr** 1985 Jun; 41(6):1220–35

Interval nitrogen excretion and maintenance nitrogen requirements for parenteral nutrition in primates. Dempsey DT, et al. **Am J Clin Nutr** 1985 Sep;42(3):485–94

Effect of reduced energy intake versus increased physical activity on the outcome of nitrogen balance experiments in man. Göranzon H, et al. **Am J Clin Nutr** 1985 May; 41(5):919–28

Metabolic response of simultaneous versus sequential intravenous administration of amino acids and energy substrates to rats. Martins FM, et al. **Am J Clin Nutr** 1985 Jul;42(1):61–8

Changes in urea nitrogen and creatinine concentrations in the vitreous humor of cattle after death. Lane VM, et al. **Am J Vet Res** 1985 Jul;46(7):1550–2

Simultaneous determination of [2-15N]- and [5-15N]glutamine with gas chromatography-mass spectroscopy: applications to nitrogen metabolic studies. Nissim I, et al. **Anal Biochem** 1984 Nov 15;143(1):14–20

Dependence of nitrate utilization upon active CO2 fixation in Anacystis nidulans: a regulatory aspect of the interaction between photosynthetic carbon and nitrogen metabolism. Romero JM, et al. **Arch Biochem Biophys** 1985 Mar; 237(2):396–401

Influence of environmental temperature on nitrogen and energy metabolism in growing chickens. Thorbek G, et al. **Arch Exp Veterinarmed** 1984 May;38(3):458–66

The mechanism of Klebsiella pneumonine nitrogenase action. The determination of rate constants required for the simulation of the kinetics of N2 reduction and H2 evolution. Lowe DJ, et al. **Biochem J** 1984 Dec 15;224(3):895–901

The mechanism of Klebsiella pneumoniae nitrogenase action. Pre-steady-state kinetics of an enzyme-bound intermediate in N2 reduction and of NH3 formation. Thorneley RN, et al. **Biochem J** 1984 Dec 15;224(3):887–94

A comparison of methods for the estimation of the proportion of microbial nitrogen in duodenal digesta, and of correction for microbial contamination in nylon bags incubated in the rumen of sheep. Kennedy PM, et al. **Br J Nutr** 1984 Sep;52(2):403–17

The effect of formaldehyde or glutaraldehyde application to lucerne before ensiling on silage fermentation and silage N digestion in sheep. Siddons RC, et al. **Br J Nutr** 1984 Sep;52(2):391–401

Inter-tissue nitrogen fluxes. Lund P, et al. **Br Med Bull** 1985 Jul;41(3):251–6 (59 ref.)

Naftidrofuryl and the nitrogen, carbohydrate, and lipid responses to moderate surgery [letter]
Br Med J [Clin Res] 1984 Oct 13;289(6450):1002–3

Effects of dietary protein concentration and corticosterone injections on energy and nitrogen balances and fat deposition in broiler chicks. Bartov I. **Br Poult Sci** 1985 Jul;26(3):311–24

Energy and nitrogen metabolism of broilers selected over ten generations for increased growth rate, food consumption and conversion of food to gain. Pym RA, et al. **Br Poult Sci** 1984 Oct;25(4):529–39

Tissue nitrogen-sparing effect of high protein diet in mice with or without ascites tumor treated with Acinetobacter glutaminase-asparaginase. Kien CL, et al. **Cancer Res** 1985 Oct;45(10):4876–82

The effect of a single massive dose of vitamin D (D2 or D3), on calcium, phosphorus and nitrogen metabolism in osteomalacia. Zhu XY, et al. **Chin Med J [Engl]** 1984 Apr;97(4):295–306

Apparent compartmentation of body nitrogen in one human subject: its consequences in measuring the rate of whole-body protein synthesis with 15N. Fern EB, et al. **Clin Sci** 1985 Mar;68(3):271–82

Seasonal patterns of nitrogen utilization by pocket gophers, Thomomys bottae. Gettinger RD.
Comp Biochem Physiol [A] 1984;78(4):657–9

Renal excretion of urea in response to changes in nitrogen intake in desert (black Bedouin) and non-desert (Swiss Saanen) goats. Silanikove N. **Comp Biochem Physiol [A]** 1984;79(4):651–4

Study of absorption and retention of nitrogen in fast growing rats--II. Influence of IMAO (nialamide). Barrionuevo M, et al. **Comp Biochem Physiol [C]** 1985;80(2):381–3

Chemical determinants of the enzymology of organic nitrogen oxidation. Gorrod JW. **Drug Metab Dispos** 1985 May–Jun;13(3):283–6

Nitrogen regulation in Salmonella typhimurium.
Identification of an ntrC protein-binding site and definition of a consensus binding sequence. Ferro-Luzzi Ames G, et al. **EMBO J** 1985 Feb;4(2):539–47

Mutations affecting the enzymes involved in the utilization of 4-aminobutyric acid as nitrogen source by the yeast Saccharomyces cerevisiae. Ramos F, et al.
Eur J Biochem 1985 Jun 3;149(2):401–4

Effects of vegetable diets on nitrogen metabolism in cirrhotic subjects. Weber FL Jr, et al. **Gastroenterology** 1985 Sep;89(3):538–44

The concept of the single body pool of metabolic nitrogen in determining the rate of whole-body nitrogen turnover. Fern EB, et al. **Hum Nutr Clin Nutr** 1985 Mar;39(2):85–99 (28 ref.)

The non-invasive measurement of urea kinetics in normal man by a constant infusion of 15N15N-urea. Jackson AA, et al. **Hum Nutr Clin Nutr** 1984 Sep;38(5):339–54

Effect of lipid-coated lysine on digestion and nitrogen metabolism by wethers. Glenn BP, et al.
Int J Vitam Nutr Res 1984;54(4):377–86

The main determinants of nitrogen balance during total parenteral nutrition in critically ill injured patients. Iapichino G, et al. **Intensive Care Med** 1984;10(5):251–4

Rumen fermentation characteristics, nitrogen balance and growth in lambs fed methane digester effluent. Goedeken FK, et al. **J Anim Sci** 1985 Jun;60(6):1472–8

Effects of level of feed intake on nitrogen, amino acid and energy digestibilities measured at the end of the small intestine and over the total digestive tract of growing pigs. Haydon KD, et al. **J Anim Sci** 1984 Sep;59(3):717–24

Influence of protein degradability in range supplements on abomasal nitrogen flow, nitrogen balance and nutrient digestibility. Petersen MK, et al. **J Anim Sci** 1985 May;60(5):1324–9

Nitrogen utilization and ruminal fermentation in steers fed soybean meal treated with formaldehyde. Spears JW, et al. **J Anim Sci** 1985 Apr;60(4):1072–80

Nitrogen metabolism by the microbial flora of the rabbit caecum. Forsythe SJ, et al. **J Appl Bacteriol** 1985 Apr;58(4):363–9

Isoproterenol infusion promotes nitrogen washout in rats under normobaric conditions. Mack GW, et al.
J Appl Physiol 1984 Nov;57(5):1306–11

Regulation of Bacillus subtilis glutamate synthase genes by the nitrogen source. Bohannon DE, et al. **J Bacteriol** 1985 Sep;163(3):957–64

Nitrogen regulation of amino acid utilization by Neurospora crassa. DeBusk RM, et al. **J Bacteriol** 1984 Nov;160(2):493–8

Metabolic pathway for the utilization of L-arginine, L-ornithine, agmatine, and putrescine as nitrogen sources in Escherichia coli K-12. Shaibe E, et al. **J Bacteriol** 1985 Sep;163(3):933–7

Control of utilization of L-arginine, L-ornithine, agmatine, and putrescine as nitrogen sources in Escherichia coli K-12. Shaibe E, et al. **J Bacteriol** 1985 Sep;163(3):938–42

Generation of nitrogen-chlorine oxidants by human phagocytes. Test ST, et al. **J Clin Invest** 1984 Oct;74(4):1341–9

Effect of ruminal ammonia-nitrogen concentration on protein degradation in situ. Grummer RR, et al. **J Dairy Sci** 1984 Oct;67(10):2294–301

Net absorption of glucose and nitrogenous compounds by lactating Holstein cows. Huntington GB. **J Dairy Sci** 1984 Sep;67(9):1919–27

Milk production and nitrogen utilization by dairy cows infused postruminally with sodium caseinate, soybean meal, or cottonseed meal. Rogers JA, et al. **J Dairy Sci** 1984 Sep;67(9):1928–35

Nitrogen regulation of synthesis of the high affinity methylammonium transport system of Escherichia coli. Servín-González L, et al. **J Gen Microbiol** 1984 Dec;130 (Pt 12):3071–7

Nitrogen absorption and endogenous nitrogen along the intestinal tract of chicks. Bielorai R, et al. **J Nutr** 1985 May;115(5):568–72

Endogenous nitrogen excretion in male highlanders of Papua New Guinea. Fujita Y, et al. **J Nutr** 1984 Nov;114(11):1997–2002

Composition of fecal fiber from human subjects. Marlett JA, et al. **J Nutr** 1985 May;115(5):650–60

Nitrogen balance in men with adequate and deficient energy intake at three levels of work. Todd KS, et al. **J Nutr** 1984 Nov;114(11):2107–18

Effect of amino acid composition of parenteral solutions on nitrogen retention and metabolic response in very-low-birth weight infants. Chessex P, et al.
J Pediatr 1985 Jan;106(1):111–7

Nitrogen and mineral balance in preterm infants fed human milks or formula. Schanler RJ, et al.
J Pediatr Gastroenterol Nutr 1985 Apr;4(2):214–9

Nitrogen utilization from elemental diets. Albina JE, et al. **JPEN** 1985 Mar–Apr;9(2):189–95

Altered immunologic function and nitrogen metabolism associated with depression of plasma growth hormone. Dahn MS, et al. **JPEN** 1984 Nov–Dec;8(6):690–4

Influence of total parenteral nutrition on protein metabolism following acute injury: assessment by urinary 3-methylhistidine excretion and nitrogen balance. Iapichino G, et al. **JPEN** 1985 Jan–Feb;9(1):42–6

Tissue nitrogen and potassium variation in trauma, starvation, and realimentation. Wood CD, et al. **JPEN** 1984 Nov–Dec;8(6):665–7

Factors affecting the maximum yield of non protein nitrogen from skeletal muscles. Ansari N, et al. **JPMA** 1985 Apr;35(4):116–25

Metabolic and hormonal factors as predictors of nitrogen retention in obese men consuming very low calorie diets. Fisler JS, et al. **Metabolism** 1985 Feb;34(2):101–5

Isolation and characterization of lac fusions to two nitrogen-regulated promoters. Stern MJ, et al. **MGG** 1984;195(1–2):219–27

A test of the carbon-nitrogen balance technique to measure body composition of exercising animals. Massaro TF, et al. **Physiol Behav** 1984 Apr;32(4):521–5

The renal response of sheep to a low dietary nitrogen intake. Leng L, et al. **Physiol Bohemoslov** 1985;34(2):147–54

Nitrogen balance studies during modified fasting. Wechsler JG, et al. **Postgrad Med J** 1984;60 Suppl 3:66–73

Nitrogen balance: an adequate treatment prescription index for children on haemofiltration. Giani M, et al.
Proc Eur Dial Transplant Assoc Eur Ren Assoc 1985;21:326–9

Studies on the effect of the gut microflora on dietary nitrogen digestibility in pigs. Ratcliffe B, et al.
Prog Clin Biol Res 1985;181:115–8

The efficacy of a 20 per cent fat emulsion as a peripherally administered substrate. Gazzaniga AB, et al.
Surg Gynecol Obstet 1985 May;160(5):387–92

Decompression induced nitrogen elimination. Dick AP, et al. **Undersea Biomed Res** 1984 Dec;11(4):369–80

[Metabolic imbalances of calcium, phosphorus, nitrogen and magnesium in diabetic patients] Liao EY.
Chung Hua Nei Ko Tsa Chih 1984 May;23(5):287–90 (Eng. Abstr.) (Chi)

[Nitrogen balance in viral hepatitis B] Dastych M, et al.
Vnitr Lek 1984 Aug;30(8):745–50 (Eng. Abstr.) (Cze)

[Effect of the parenteral feeding regimen on postoperative nitrogen sparing. Comparison of 3 regimens containing 0%, 30% and 50% lipid calories] Delalande JP, et al.
Cah Anesthesiol 1985 Apr–May;33(3):229–34 (Eng. Abstr.) (Fre)

[Effect of a short-term protein-free diet on endogenous nitrogen secretion: exocrine pancreas secretion in the pig] Corring T, et al. **Reprod Nutr Dev** 1984;24(4):495–506 (Eng. Abstr.) (Fre)

[Endogenous nitrogen metabolism in 15N-labeled swine. 1. Course of 15N-labeling and 15N excretion in urine and feces under 4 different diets] Bergner H, et al.
Arch Tierernahr 1984 Jul;34(7):441–55 (Eng. Abstr.) (Ger)

[Endogenous nitrogen metabolism processes in 15N-labeled swine. 2. Fecal excretion of amino acids and 15N-labeled amino acids with diets differing in crude fiber content] Bergner U, et al. **Arch Tierernahr** 1984 Aug;34(8):505–17 (Eng. Abstr.) (Ger)

[Endogenous nitrogen metabolism in 15N-labeled swine. 3. Endogenous excretion of 15N- and 14C-labeled secretions following a 14C-leucine injection] Bergner U, et al.
Arch Tierernahr 1984 Sep;34(9):593–605 (Eng. Abstr.) (Ger)

[Effect of graded nitrogen supplements on egg protein synthesis and body protein retention in broiler hens] Halle I, et al. **Arch Tierernahr** 1984 Sep;34(9):615–21 (Eng. Abstr.) (Ger)

[Studies of 15N-labeled lysine in colostomized laying hens. 6. 15N incorporation into basic amino acids of the liver, kidney, meat, bones and remaining body as well as 15N balance] Hennig A, et al. **Arch Tierernahr** 1984 Oct;34(10):677–88 (Eng. Abstr.) (Ger)

[Joint research on the precise determination of the energy and protein requirements of fattening pigs. 2. Energy and nitrogen metabolism of fattening hybrids in the fattening range of 30 to 120 kg] Jentsch W, et al.
Arch Tierernahr 1983 Jul–Aug;33(7–8):552–70 (Eng. Abstr.) (Ger)

[Methodological aspects of the determination of nitrogen metabolism parameters from 15N-tracer experiments on swine based on nitrogen metabolism models. 2. Calculation of N metabolism parameters from the time of urinary excretion of 15N] Pahle T, et al. **Arch Tierernahr** 1985 Jan;35(1):11–8 (Eng. Abstr.) (Ger)

[Nutrient digestibility and nitrogen utilization in lactating cows under restricted protein supply and subsequent refeeding] Röhrmoser G, et al. **Arch Tierernahr** 1984 Aug;34(8):519–30 (Eng. Abstr.) (Ger)

[Effect of protein restriction and refeeding on the nitrogen balance in piglets] Senckenberg E, et al.
Arch Tierernahr 1984 Jul;34(7):457–66 (Eng. Abstr.) (Ger)

[Transport of urea nitrogen from the intestines into the stomach in dairy cows] Voigt J, et al. **Arch Tierernahr** 1984 Nov;34(11):769–84 (Eng. Abstr.) (Ger)

[Nitrogen metabolism and renal amino acid excretion during total parenteral feeding of hypermetabolic patients with various carbohydrate regimes] Semsroth M, et al.
Infusionsther Klin Ernahr 1985 Jun;12(3):136–48 (Eng. Abstr.) (Ger)

[Effect of the level of dietary nitrogen utilization on the distribution of various N-fractions in the urine of rats] Greife HA. **Zentralbl Veterinarmed [A]** 1985 Jan;32(1):68–74 (Eng. Abstr.) (Ger)

[Nutritive value of dietary ribonucleic acid and its nucleosides in growing rats on a diet deficient in nonessential amino acid nitrogen. 2. Effect of yeast RNA on body composition and weight gain and nitrogen metabolism] Greife HA, et al.
Zentralbl Veterinarmed [A] 1984 Jul;31(6):454–66 (Eng. Abstr.) (Ger)

[Nutritive value of dietary ribonucleic acid and its nucleosides in growing rats on a diet deficient in nonessential amino acid nitrogen. 3. Effect of the purine nucleosides adenosine and guanosine on body composition and weight gain and nitrogen metabolism] Greife HA, et al. **Zentralbl Veterinarmed [A]** 1984 Jul;31(6):467–77 (Eng. Abstr.) (Ger)

[Nutritive value of dietary ribonucleic acid and its nucleosides in growing rats on a diet deficient in nonessential amino acid nitrogen. 4. Effect of the pyrimidine nucleosides cytidine and uridine on the composition of the body mass and on nitrogen metabolism] Greife HA, et al. **Zentralbl Veterinarmed [A]** 1984 Sep;31(8):634–44 (Eng. Abstr.) (Ger)

[Experimental and clinical evaluation of small peptides as a nitrogen source in enteral nutrition (I). Nutritional usefulness following massive small bowel resection in the rat.] Kobayashi N, et al. **Nippon Geka Hokan** 1984 Jan 1;53(1):125–32 (Eng. Abstr.) (Jpn)

[Experimental and clinical evaluation of small peptides as a nitrogen source in enteral nutrition (II). Clinical application of T-330 and a comparative study with Elental] Kobayashi N, et al. **Nippon Geka Hokan** 1984 Jan 1;53(1):133–44 (Eng. Abstr.) (Jpn)

[Genetic regulation of free nitrogen binding] Jakubowicz T. **Postepy Biochem** 1984;30(1–2):15–7 (Pol)

[Modification of conditions of indirect determination of nitrogen in the bodies of rats by the NPU (Net Protein Utilization) method] Kobyliński Z, et al.
Rocz Panstw Zakl Hig 1984;35(6):551–5 (Eng. Abstr.) (Pol)

[Disorders of the deamination of nitrogenous compounds in the heart muscle in experimental atherosclerosis] Khuzhamberdiev M, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):678–80 (Eng. Abstr.) (Rus)

[Hygienic evaluation of nutrition, metabolism and health status of miners of the Kansk-Achinsk fuel and energy complex] Krasnopevtsev VM, et al. **Gig Sanit** 1984 Dec;(12):62–4 (Rus)

[Effect of increased ammonia concentrations in the atmosphere of closed chambers on various indicators of nitrogen and carbohydrate metabolism in men on controlled diets] Sivuk AK, et al.
Kosm Biol Aviakosm Med 1984 Nov–Dec;18(6):69–73 (Eng. Abstr.) (Rus)

NEWARK PUBLIC LIBRARY

[Lipid fatty acid composition of fungi in the genus Aspergillus grown on media with various sources of nitrogen] Kolesnikova IG, et al. **Mikrobiologiia** 1984 Sep–Oct;53(5):826–9 (Eng. Abstr.) **(Rus)**

[Oxygen tension, blood flow and nitrogen metabolism of the liver in chronic toxic hepatitis and hyperbaric oxygenation] Laskarzhevskaia MA, et al. **Patol Fiziol Eksp Ter** 1985 Mar–Apr;(2):58–61 (Eng. Abstr.) **(Rus)**

[Changes in nitrogen metabolism in the brain in the post-hypoxic period] Zhukova TP, et al. **Vestn Akad Med Nauk SSSR** 1985;(6):25–31 (Eng. Abstr.) **(Rus)**

[Nitrogen balance of children with fistulae of the small intestine kept on a diet with a protein enteral feeding formula] Klichev BM, et al. **Vopr Pitan** 1985 May–Jun;(3):21–3 (Eng. Abstr.) **(Rus)**

[Endogenous nitrogen losses in rats fed by intravenous and enteral routes] Poriadkov LF, et al. **Vopr Pitan** 1984 Jul–Aug;(4):33–6 (Eng. Abstr.) **(Rus)**

[Effect of cortisol administration on the fate of nitrogen in malnourished pregnant rats] Goñi I, et al. **Arch Farmacol Toxicol** 1985 Apr;11(1):47–53 (Eng. Abstr.) **(Spa)**

[Effect of animal protein supplementation and energy on the protein quality of diets based on rice and beans in adult males] Vargas E, et al. **Arch Latinoam Nutr** 1984 Mar;34(1):46–68 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Proteinase pattern in Trametes versicolor in response to carbon and nitrogen starvation. Staszczak M, et al. **Acta Biochim Pol** 1984;31(4):431–7

Regulation of the nitrate reductase level in anacystis nidulans: activity decay under nitrogen stress. Herrero A, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):454–9

Phosphorus-31 nuclear magnetic resonance investigation of the in vivo regulation of intracellular pH in cell suspension cultures of Nicotiana tabacum: the effects of oxygen supply, nitrogen, and external pH change. Wray V, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):731–40

Intracellular gas supersaturation tolerances of erythrocytes and resealed ghosts. Hemmingsen BB, et al. **Biophys J** 1985 Apr;47(4):491–6

Influence of nitrogen, oxygen, air and alveolar gas upon surface tension of lung surfactant. Wildeboer-Venema F. **Respir Physiol** 1984 Oct;58(1):1–14

CNS reactions at 51 ATA on trimix and heliox and during decompression. Vaernes R, et al. **Undersea Biomed Res** 1985 Mar;12(1):25–39

PHYSIOLOGY

Nitrogen washout and mortality. Menkes HA, et al. **Am Rev Respir Dis** 1985 Jul;132(1):115–9

Gas exchange and hatchability of chicken eggs incubated at simulated high altitude. Visschedijk AH. **J Appl Physiol** 1985 Feb;58(2):416–8

Air and nitrox saturation decompression: a report of 4 schedules and 77 subjects. Eckenhoff RG, et al. **Undersea Biomed Res** 1985 Mar;12(1):41–52

[Reaction of the respiratory system of rabbits to hypoxic stimulation in a nitrogen-oxygen environment under elevated pressure] Donina ZhA. **Fiziol Zh SSSR** 1985 Mar;71(3):316–9 (Eng. Abstr.) **(Rus)**

[Indices of the oxygen-transport properties of the blood and of erythropoiesis in rats after being in a nitrogen-oxygen environment under elevated pressure] Volzhskaia AM, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):320–3 (Eng. Abstr.) **(Rus)**

SECRETION

Effect of guar gum on nitrogen secretion into isolated loops of jejunum in conscious growing pigs. Low AG, et al. **Br J Nutr** 1984 Nov;52(3):499–505

THERAPEUTIC USE

[Protection of long-term ischemic kidneys from the damages of reoxygenation by using the temporary inhalation of a gas hypoxic mixture] Bilenko MV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):147–51 (Eng. Abstr.) **(Rus)**

[Teleradiotherapy of laryngeal cancer using a gas hypoxic mixture (GHM-10)] Mardynskiĭ IuS, et al. **Med Radiol (Mosk)** 1985 Aug;30(8):11–5 (Eng. Abstr.) **(Rus)**

[Radiosensitivity during the irradiation of animals in an altered gaseous environment. A comparative study on mice and rats of the radiation-protective effect of oxygen-deficient gas mixtures] Abramov MM, et al. **Radiobiologiia** 1985 May–Jun;25(3):416–8 (Eng. Abstr.) **(Rus)**

[Use of nitrogen baths in the complex treatment of patients with hypertension] Orzheshkovskiĭ VV, et al. **Vrach Delo** 1985 Jun;(6):30–3 (Eng. Abstr.) **(Rus)**

URINE

Prediction of total urinary nitrogen from urea nitrogen for burned patients. Bell SJ, et al. **J Am Diet Assoc** 1985 Sep;85(9):1100–4

Effect of protein intake level on urinary energy/nitrogen ratio in Japanese. Kaneko K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Dec;30(6):561–7

[The ratio of urea nitrogen to total urinary nitrogen in liver diseases] Dastych M, et al. **Cas Lek Cesk** 1984 Aug 17;123(33):1024–6 (Eng. Abstr.) **(Cze)**

[Effect of glutamic acid content of the diet on the catabolic rate of isotope-labeled glutamic acid in rats. 3. Determination of 14CO2 and 15N excretion following intragastric infusion of 14C- and 15N-glutamic acid] Simon O, et al. **Arch Tierernahr** 1984 Dec;34(12):805–15 (Eng. Abstr.) **(Ger)**

NITROGEN DIOXIDE

A nitrosating agent from the reaction of atmospheric nitrogen dioxide (NO2) with methyl linoleate: comparison with a product from the skins of NO2-exposed mice. Mirvish SS, et al. **IARC Sci Publ** 1984;(57):283–9

ADVERSE EFFECTS

Effects of short-term exposure to ambient nitrogen dioxide concentrations on human bronchial reactivity and lung function. Bylin G, et al. **Eur J Respir Dis** 1985 Mar;66(3):205–17

Indoor nitrogen dioxide pollution and respiratory symptoms of schoolchildren. Hoek G, et al. **Int Arch Occup Environ Health** 1984;55(1):79–86

Indoor air pollution and its effect on pulmonary function of adult non-smoking women: II. Associations between nitrogen dioxide and pulmonary function. Fischer P, et al. **Int J Epidemiol** 1985 Jun;14(2):221–6

Indoor air pollution and its effect on pulmonary function of adult non-smoking women: I. Exposure estimates for nitrogen dioxide and passive smoking. Remijn B, et al. **Int J Epidemiol** 1985 Jun;14(2):215–20

ANALYSIS

The relationship between indoor nitrogen dioxide concentration levels and personal exposure: a pilot study. Hoek G, et al. **Int Arch Occup Environ Health** 1984;55(1):73–8

IMMUNOLOGY

Enhancement of antibody response in Japanese quails by acute NO2 exposure. Fujimaki H, et al. **Environ Res** 1984 Dec;35(2):399–404

Humoral immunodepression following acute NO2 exposure in normal and adrenalectomized mice. Azoulay-Dupuis E, et al. **J Toxicol Environ Health** 1985;15(1):149–62

METABOLISM

In-vivo nitrosation of amines in mice by inhaled nitrogen dioxide and inhibition of biosynthesis of N-nitrosamines. Iqbal ZM. **IARC Sci Publ** 1984;(57):291–300

PHARMACODYNAMICS

Acute effects of 0.12 ppm ozone or 0.12 ppm nitrogen dioxide on pulmonary function in healthy and asthmatic adolescents. Koenig JQ, et al. **Am Rev Respir Dis** 1985 Sep;132(3):648–51

Interferon production following NO2 exposure. Lefkowitz SS, et al. **Int J Immunopharmacol** 1984;6(4):275–8

An increase in the activities of glycolytic enzymes in rat lungs produced by nitrogen dioxide. Mochitate K, et al. **J Toxicol Environ Health** 1985;15(2):323–31

Ultrastructural observations of rat lung exposed to nitrogen dioxide for 7 months. Yamamoto I, et al. **Kitasato Arch Exp Med** 1984 Apr;57(1):57–65

Induction of umuC gene expression by nitrogen dioxide in Salmonella typhimurium. Kosaka H, et al. **Mutat Res** 1985 Mar;142(3):99–102

In vivo effects of nitrogen dioxide on the blood nitrate level and the Na+,K+-ATPase activity of red blood cells of rats. Tsujii N, et al. **Toxicol Lett** 1985 Jan;24(1):59–63

Combined effect of nitrogen dioxide and cold stress on the activity of the hepatic cytochrome P-450 system in rats. Takano T, et al. **Toxicology** 1984 Dec;33(3–4):239–44

POISONING

Nitrogen dioxide (silo gas) poisoning in pigs. McLoughlin MF, et al. **Vet Rec** 1985 Feb 2;116(5):119–21

TOXICITY

A comparative study of the pulmonary effects of NO2 in the rat and hamster. Foster JR, et al. **Br J Exp Pathol** 1985 Apr;66(2):193–204

Changes of cardiac and respiratory rhythm in non- and tracheostomized rats exposed to nitrogen dioxide. Tsubone H, et al. **Environ Res** 1984 Oct;35(1):197–203

Orthogonal arrays in normal and injured respiratory airway epithelium. Gordon RE. **J Cell Biol** 1985 Feb;100(2):648–51

The mortality rate from lung metastases in animals inhaling nitrogen dioxide (NO2). Richters A, et al. **J Surg Oncol** 1985 Jan;28(1):63–6

The genetic effects of the photochemical reaction products of propylene plus NO2 on cultured Chinese hamster cells exposed in vitro. Shiraishi F, et al. **J Toxicol Environ Health** 1985;15(3–4):531–8

Reflex cardiopulmonary responses by stimulation to type J receptors in rats exposed to NO2. Tsubone H, et al. **J Toxicol Environ Health** 1984;13(4–6):905–17

Modulation of nitrogen dioxide toxicity by lithium. Messiha FS, et al. **Pharmacol Biochem Behav** 1984;21 Suppl 1:93–7

In vivo effect of nitrogen dioxide on the activities of glycolytic enzymes in red blood cells of rats. Mochitate K, et al. **Toxicol Lett** 1984 Sep;22(3):315–21

In vivo effects of nitrogen dioxide and ozone on xenobiotic metabolizing systems of rat lungs. Takahashi Y, et al. **Toxicol Lett** 1985 Aug;26(2–3):145–52

[The alveolar macrophage in gas phase culture as a biologic indicator of gas toxicology: application to the study of the cytotoxicity of nitrogen dioxide (NO2)] Voisin C, et al. **Bull Acad Natl Med (Paris)** 1984 Oct–Nov;168(7–8):755–60 (Eng. Abstr.) **(Fre)**

NITROGEN FIXATION

A rapid immunofluorescence method for the study of the association of Azospirillum sp. with maize roots. de Vasconcelos L, et al. **An Microbiol (Rio De J)** 1982;27:41–4

Molecular basis of biological nitrogen fixation. Orme-Johnson WH. **Annu Rev Biophys Biophys Chem** 1985;14:419–59 (164 ref.)

Hydrogen oxidation and nitrogen fixation in rhizobia, with special attention focused on strain ORS 571. de Vries W, et al. **Antonie Van Leeuwenhoek** 1984;50(5–6):505–24

Natural variation in symbiotic nitrogen-fixing Rhizobium and Frankia spp. Lie TA, et al. **Antonie Van Leeuwenhoek** 1984;50(5–6):489–503 (52 ref.)

Evidence for plasmid- and chromosome-borne multiple nif genes in Rhizobium fredii. Barbour WM, et al. **Appl Environ Microbiol** 1985 Jul;50(1):41–4

Purification and properties of inosine monophosphate oxidoreductase from nitrogen-fixing nodules of cowpea (Vigna unguiculata L. Walp). Atkins CA, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):807–14

Regulation of nitrogenase activity by covalent modification in Chromatium vinosum. Gotto JW, et al. **Arch Microbiol** 1985 Feb;141(1):40–3

Expression of Klebsiella pneumoniae nif genes in Proteus mirabilis. Postgate JR, et al. **Arch Microbiol** 1985 Aug;142(3):289–94

Characteristics of N2 fixation in Mo-limited batch and continuous cultures of Azotobacter vinelandii. Eady RR, et al. **Biochem J** 1984 Dec 15;224(3):853–62

Nucleotide sequence of Rhizobium meliloti 1021 nodulation genes: nodD is read divergently from nodABC. Egelhoff TT, et al. **DNA** 1985 Jun;4(3):241–8

Energy expenditure for cyclic retention of NH3/NH4+ during N2 fixation by Klebsiella pneumoniae. Kleiner D. **FEBS Lett** 1985 Aug 5;187(2):237–9

Cloning of the nodulation (nod) genes of Rhizobium phaseoli and their homology to R. leguminosarum nod DNA. Lamb JW, et al. **Gene** 1985;34(2–3):235–41

Molecular cloning of nif DNA from Azotobacter vinelandii. Bishop PE, et al. **J Bacteriol** 1985 Apr;162(1):21–8

Control of Klebsiella pneumoniae nif mRNA synthesis. Collins JJ, et al. **J Bacteriol** 1985 Jun;162(3):1186–90

Identification of facultatively heterotrophic, N2-fixing cyanobacteria able to receive plasmid vectors from Escherichia coli by conjugation. Flores E, et al. **J Bacteriol** 1985 Jun;162(3):1339–41

H+/ATP stoichiometry of cowpea Rhizobium sp. strain 32H1 cells grown under nitrogen-fixing and nitrogen-nonfixing conditions. Gober JW, et al. **J Bacteriol** 1984 Oct;160(1):216–21

Nodules are induced on alfalfa roots by Agrobacterium tumefaciens and Rhizobium trifolii containing small segments of the Rhizobium meliloti nodulation region. Hirsch AM, et al. **J Bacteriol** 1985 Jan;161(1):223–30

Repeated sequences similar to insertion elements clustered around the nif region of the Rhizobium japonicum genome. Kaluza K, et al. **J Bacteriol** 1985 May;162(2):535–42

Conservation of symbiotic nitrogen fixation gene sequences in Rhizobium japonicum and Bradyrhizobium japonicum. Masterson RV, et al. **J Bacteriol** 1985 Jul;163(1):21–6

Reiteration of genes involved in symbiotic nitrogen fixation by fast-growing Rhizobium japonicum. Prakash RK, et al. **J Bacteriol** 1984 Nov;160(2):785–7

Lesions in citrate synthase that affect aerobic nitrogen fixation by Azotobacter chroococcum. Ramos JL, et al. **J Bacteriol** 1985 May;162(2):746–51

Regulation of nitrogen fixation in Rhodospirillum rubrum grown under dark, fermentative conditions. Schultz JE, et al. **J Bacteriol** 1985 Jun;162(3):1322–4

H2-dependent mixotrophic growth of N2-fixing Azotobacter vinelandii. Wong TY, et al. **J Bacteriol** 1985 Aug;163(2):528–33

Expression of nitrogen fixation genes in foreign hosts. Assembly of nitrogenase Fe protein in Escherichia coli and in yeast. Berman J, et al. **J Biol Chem** 1985 May 10;260(9):5240–3

The genetic complexity of nitrogen fixation. The ninth Fleming lecture. Dixon RA. **J Gen Microbiol** 1984 Nov;130 (Pt 11):2745–55 (65 ref.)

Nitrogenase synthesis in Klebsiella pneumoniae: enhanced nif expression without accumulation of guanosine 5'-diphosphate 3'-diphosphate. Nair MB, et al. **J Gen Microbiol** 1984 Dec;130 (Pt 12):3063–9

Cloning and organisation of some genes for nitrogen fixation from Azotobacter chroococcum and their expression in Klebsiella pneumoniae. Jones R, et al. **MGG** 1984

197(2):318-27

Dinitrogen fixation by a thermophilic methanogenic bacterium. Belay N, et al. **Nature** 1984 Nov 15-21; 312(5991):286-8

Rearrangement of nitrogen fixation genes during heterocyst differentiation in the cyanobacterium Anabaena. Golden JW, et al. **Nature** 1985 Apr 4-10;314(6010):419-23

Nitrogen fixation specific regulatory genes of Klebsiella pneumoniae and Rhizobium meliloti share homology with the general nitrogen regulatory gene ntrC of K. pneumoniae. Buikema WJ, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4539-55

Conservation of nif- and species-specific domains within repeated promoter sequences from fast-growing Rhizobium species. Schofield PR, et al. **Nucleic Acids Res** 1985 May 24;13(10):3407-18

DRUG EFFECTS

Short-term ammonium inhibition of nitrogen fixation in Azotobacter. Cejudo FJ, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):431-7

Effect of polynuclear hydrocarbons on algal nitrogen fixation (acetylene reduction). Bastian MV, et al. **Bull Environ Contam Toxicol** 1985 Aug;35(2):258-65

NITROGEN ISOTOPES

Gas chromatographic-mass spectrometric determination of isotopic enrichment of 6-15NH2 in adenine nucleotides. Lewis S, et al. **Anal Biochem** 1985 Mar;145(2):354-61

[Synthesis of DL-[15N] proline] Jiang HC, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):305-7 (Eng. Abstr.) **(Chi)**

[Methodological aspects of the determination of nitrogen metabolism parameters from 15N-tracer experiments on swine based on nitrogen metabolism models. 2. Calculation of N metabolism parameters from the time of urinary excretion of 15N] Pahle T, et al. **Arch Tierernahr** 1985 Jan; 35(1):11-8 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Nitrogen-13 as a biochemical tracer. Cooper AJ, et al. **Adv Enzymol** 1985;57:251-356 (305 ref.)

NITROGEN MUSTARD see **MECHLORETHAMINE**

NITROGEN MUSTARD COMPOUNDS

The use of xylazine-ketamine anesthetic for intraocular surgery on rabbits. Brown RH, et al. **Am J Ophthalmol** 1985 May 15;99(5):614-5

Potential antitumor agents X: Synthesis and antitumor activity of two nitrogen mustard derivatives related to ketocaine. Andreani A, et al. **J Pharm Sci** 1984 Aug; 73(8):1175-7

ADVERSE EFFECTS

Immunological effects of diethylstilbestrol and estramustine phosphate. Haukaas SA. **Scand J Urol Nephrol [Suppl]** 1984; 83:1-32 (112 ref.)

ANALYSIS

Antitumour imidazotetrazines. VII. Quantitative analysis of mitozolomide in biological fluids by high-performance liquid chromatography. Slack JA, et al. **J Chromatogr** 1985 Jan 11;337(1):178-81

ANTAGONISTS & INHIBITORS

[Strain of Yoshida sarcoma with induced pafencil resistance] Khomchenovskiĭ EI, et al. **Biull Eksp Biol Med** 1985 Apr; 99(4):479-81 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Potential antitumor agents X: Synthesis and antitumor activity of two nitrogen mustard derivatives related to ketocaine. Andreani A, et al. **J Pharm Sci** 1984 Aug; 73(8):1175-7

[Synthesis of potential antitumor agents: nitrogen mustards based on quinoline] Pellerano C, et al. **Farmaco [Sci]** 1984 Aug;39(8):681-5 (Eng. Abstr.) **(Ita)**

METABOLISM

Antitumour imidazotetrazines—VIII. Uptake and decomposition of a novel antitumour agent mitozolomide (CCRG 81010; M and B 39565; NSC 353451) in TLX5 mouse lymphoma in vitro. Horgan CM, et al. **Biochem Pharmacol** 1985 Jan 15;34(2):217-21

Antitumour imidazotetrazines, Part IX. The pharmacokinetics of mitozolomide in mice. Goddard C, et al. **Br J Cancer** 1985 Jul;52(1):37-41

The noradrenergic neurotoxins DSP4 and xylamine bind to opiate receptors. Wilkinson M, et al. **Brain Res Bull** 1985 May;14(5):493-5

Effect of food on pharmacokinetics of chlorambucil and its main metabolite, phenylacetic acid mustard. Ehrsson H, et al. **Eur J Clin Pharmacol** 1984;27(1):111-4

Interaction of estramustine phosphate with microtubule-associated proteins. Wallin M, et al. **FEBS Lett** 1985 Jan 7;179(2):289-93

[Estracyt (estradiol-nitrogen mustard complex)—estramustine binding protein and its specificity] Yamanaka H, et al. **Gan To Kagaku Ryoho** 1984 Oct; 11(10):2106-14 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Studies on the mechanism of action of quinone antitumor agents. Begleiter A. **Biochem Pharmacol** 1985 Aug 1; 34(15):2629-36

PTT.119, p-F-Phe-m-bis-(2-chloroethyl)amino-L-Phe-Met ethoxy HCl, a new chemotherapeutic agent active against drug-resistant tumor cell lines. Yagi MJ, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2347-54

The effects of pretreatment of human tumour cells with MNNG on the DNA crosslinking and cytotoxicity of mitozolomide. Gibson NW, et al. **Br J Cancer** 1985 Aug; 52(2):251-8

Effect of estramustine phosphate on the assembly of isolated bovine brain microtubules and fast axonal transport in the frog sciatic nerve. Kanje M, et al. **Cancer Res** 1985 May; 45(5):2234-9

Antimicrotubule effects of estramustine, an antiprostatic tumor drug. Stearns ME, et al. **Cancer Res** 1985 Aug; 45(8):3891-7

Carbamoylation of glutathione reductase and changes in cellular and chromosome morphology in a rat cell line resistant to nitrogen mustards but collaterally sensitive to nitrosoureas. Tew KD, et al. **Cancer Res** 1985 May; 45(5):2326-33

Inhibition of T lymphocyte activation by estramustine: dose-dependent interference with IL-2 production and later proliferation events. Kalland T. **Immunopharmacology** 1985 Apr;9(2):65-71

Effects of human chorionic gonadotrophin, oestradiol and estromustine on testicular blood flow in hypophysectomized rats. Daehlin L, et al. **Int J Androl** 1985 Feb;8(1):58-68

Nitrogen mustard interference with potassium transport systems in Ehrlich ascites tumor cells. Doppler W, et al. **J Cancer Res Clin Oncol** 1985;110(1):35-41

Differential effects of xylamine on extracellular concentrations of norepinephrine and dopamine in rat central nervous system: an in vivo electrochemical study. Howard-Butcher S, et al. **J Pharmacol Exp Ther** 1985 Apr; 233(1):58-63

Induction of the SOS response by ICR191 does not influence frameshift mutagenesis at the hisC3076 marker of Salmonella typhimurium. Podger DM, et al. **Mutat Res** 1985 Mar;142(3):87-91

Analytical and pharmacological studies on a new antineoplastic tripeptide, PTT.119. Roboz J, et al. **Pharmacology** 1985;30(1):52-9

A study of the effect of chronic applications of nitrogen mustard (HN2) on acute responses of mammalian skin to UVB irradiation in vivo. Epstein JH, et al. **Photodermatol** 1984 Oct;1(5):237-40

Effects of diethylstilbestrol and estramustine phosphate (estracyt) on natural killer cell activity and tumor susceptibility in male mice. Kalland T, et al. **Prostate** 1984; 5(6):649-60

Estramustine phosphate-reduced proliferation of murine and human cell lines and murine transplantable tumors. Pavelić K, et al. **Res Exp Med (Berl)** 1985;185(3):233-43

Dichloroethyl carbamoyl ester of delta-9-tetrahydrocannabinol. Chemical synthesis and biological testing and evaluation as a potentially site-specific anti-tumor agent. Kaplan NC. **Sci Sin [B]** 1984 Oct;27(10):1048-58

[The effects of site-directed chemotherapy due to E2 as a drug carrier to the human endometrial adenocarcinoma cells in vitro] Yoshizumi N. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Apr; 37(4):637-45 (Eng. Abstr.) **(Jpn)**

[Affinity modification of creatine kinase from the rabbit skeletal muscle by gamma-amide of ATP—a nitrogen mustard derivative] Novinskiĭ GA, et al. **Bioorg Khim** 1984 May;10(5):656-65 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Activity of mitozolomide (NSC 353451), a new imidazotetrazine, against xenografts from human melanomas, sarcomas, and lung and colon carcinomas. Fodstad O, et al. **Cancer Res** 1985 Apr;45(4):1778-86

Experimental antitumor activity against murine tumor model systems of 8-carbamoyl-3-(2-chloroethyl)imidazo[5,1-d]-1,2,3,5-tetr H)-one (mitozolomide), a novel broad-spectrum agent. Hickman JA, et al. **Cancer Res** 1985 Jul;45(7):3008-13

Phase I clinical trial of mitozolomide. Newlands ES, et al. **Cancer Treat Rep** 1985 Jul-Aug;69(7-8):801-5

Oral estramustine phosphate (Estracyt): a broad phase II study. Halpern J, et al. **J Med** 1984;15(1):35-43

The influence of treatment with estrogens and estramustine phosphate on platelet aggregation and plasma lipoproteins in non-disseminated prostatic carcinoma. Agardh CD, et al. **J Urol** 1984 Nov;132(5):1021-4

Mode of action of estramustine phosphate in hormone dependent and hormone non-dependent prostate cancer. Hedlund PO. **Prog Clin Biol Res** 1985;185A:197-202 (13 ref.)

The EORTC Phase III trials in prostatic cancer. Robinson MR, et al. **Prog Clin Biol Res** 1985;185A:243-9

[Treatment of hormone-resistant prostate cancer with estramustine phosphate (Estracyt)] Stridsklev IC, et al. **Tidsskr Nor Laegeforen** 1984 Oct 10;104(28):1977-80 (Eng. Abstr.) **(Nor)**

[Treatment of advanced carcinoma of the prostate with estramustine phosphate (estracyt)] Lancina Martín JA, et al. **Actas Urol Esp** 1984 Sep-Oct;8(5):399-402 (Eng. Abstr.) **(Spa)**

TOXICITY

Comparative genotoxicity of nitrogen mustard and nor-nitrogen mustard. Hartley-Asp B, et al. **Carcinogenesis** 1984 Dec;5(12):1637-40

Toxicological aspects of a new tripeptide mustard. Coppi G, et al. **Farmaco [Prat]** 1985 Jul;40(7):242-52

Frameshift mutagenesis by 9-aminoacridine and ICR191 in Escherichia coli: effects of uvrB, recA and lexA mutations and of plasmid pKM101. Thomas SM, et al. **Mutat Res** 1985 Aug;151(1):49-56

Effect of pH on the mutagenic and killing potencies of ICR-170 in ad-3 tests of Neurospora crassa. Whong WZ, et al. **Mutat Res** 1985 Jan-Feb;142(1-2):19-22

[Effect of lofenal on rat embryogenesis] Pavilonis SV, et al. **Eksp Onkol** 1984;6(3):66-9 (Eng. Abstr.) **(Rus)**

NITROGEN NARCOSIS see **INERT GAS NARCOSIS**

NITROGEN OXIDES

[Efficiency of gas purification facilities for purification of ventilation emissions of nitrogen oxides in galvanizing shops] Nemtsov EE, et al. **Gig Sanit** 1984 Jul;(7):65 **(Rus)**

ADVERSE EFFECTS

[To diminish the anesthetic risk tied to the use of nitrogen oxide] Leroy G, et al. **Cah Anesthesiol** 1984 May-Jun; 32(4):277 **(Fre)**

DIAGNOSTIC USE

Influence of structure on the reduction of nitroxide MRI contrast-enhancing agents by ascorbate. Keana JF, et al. **Physiol Chem Phys Med NMR** 1984;16(6):477-80

[Contrast agents in magnetic resonance imaging] Couet W, et al. **J Radiol** 1985 May;66(5):397-402 (Eng. Abstr.) **(Fre)**

METABOLISM

Nitroxides as redox probes of melanins: dark-induced and photoinduced changes in redox equilibria. Sarna T, et al. **Arch Biochem Biophys** 1985 May 15;239(1):226-33

Dioxygen-activating iron center in putidamonooxin. Electron spin resonance investigation of the nitrosylated putidamonooxin. Twilfer H, et al. **Eur J Biochem** 1985 Feb 15;147(1):171-6

THERAPEUTIC USE

In the search for new anticancer drugs XI. Anticancer activity of nitroxyl labeled phosphoric N,N;N',N';N',N'-tris[1,2-ethanediyl]triamide(TEPA) and phosphorothioic N,N;N',N';N',N'-tris[1,2-ethanediyl]triamide(thio-TEPA) derivatives. Sosnovsky G, et al. **Cancer Lett** 1985 Jan; 25(3):255-60

TOXICITY

The effect of pretreatment with cortisol on inflammatory changes in lungs after nitrogen oxides inhalation. Vyskočil A, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1983;26(2):261-6

NITROGEN RADIOISOTOPES

DIAGNOSTIC USE

Measurement of regional myocardial blood flow with N-13 ammonia and positron-emission tomography in intact dogs. Shah A, et al. **J Am Coll Cardiol** 1985 Jan;5(1):92-100

Cardiac emission computed tomography: underestimation of regional tracer concentrations due to wall motion abnormalities. Parodi O, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1083-92

Imaging of the hepatocellular carcinoma using dynamic positron emission tomography with nitrogen-13 ammonia. Hayashi N, et al. **J Nucl Med** 1985 Mar;26(3):254-7

Dynamic positron computed tomography of the heart with a high sensitivity positron camera and nitrogen-13 ammonia. Tamaki N, et al. **J Nucl Med** 1985 Jun; 26(6):567-75

Nitrogen-13 and xenon-133 ventilation studies. van der Mark TW, et al. **J Nucl Med** 1984 Nov;25(11):1175-82

[Protein turnover in liver failure—determination using the stable isotope 15N] Matkowitz R, et al. **Leber Magen Darm** 1984 Mar;14(2):83-9 (Eng. Abstr.) **(Ger)**

[Positron CT imaging for the assessment of myocardial infarction with 13NH3: dynamic and multi-plane images by positological-II] Shishido F, et al. **Kaku Igaku** 1984 Jul;21(7):799-804 (Eng. Abstr.) **(Jpn)**

[N-13 ammonia myocardial positron computed tomography--(2) Evaluation of serial change in the lung and the myocardium] Tamaki N, et al. **Kaku Igaku** 1985 Feb;22(2):193-9 (Eng. Abstr.) **(Jpn)**

[N-13 ammonia myocardial positron computed tomography--(1) Comparative study with thallium-201 SPECT] Tamaki N, et al. **Kaku Igaku** 1985 Feb; 22(2):185-91 (Eng. Abstr.) **(Jpn)**

[N-13 ammonia myocardial positron computed tomography--(3) Evaluation of coronary artery disease by stress imaging] Tamaki N, et al. **Kaku Igaku** 1985 Mar; 22(3):339-45 (Eng. Abstr.) **(Jpn)**

[A dynamic study of intravenously administered 13NH3 with positron computed tomography: investigation of normal subjects and patients with myocardial infarction] Yoshida K, et al. **Kokyu To Junkan** 1984 Jul;32(7):741-6 (Eng. Abstr.) **(Jpn)**

NITROGENASE

Properties of the MgATP and MgADP binding sites on the Fe protein of nitrogenase from Azotobacter vinelandii. Cordewener J, et al. **Eur J Biochem** 1985 May 2; 148(3):499-508

On the prosthetic group(s) of component II from nitrogenase. EPR of the Fe-protein from Azotobacter vinelandii. Hagen WR, et al. **FEBS Lett** 1985 Jul 22;187(1):146-50

ANALYSIS

Chemically coupled spectrophotometric assays based on flow injection analysis: determination of nitrogenase by assays for creatine, ammonia, hydrazine, phosphate, and dithionite. Davis LC, et al. **Anal Biochem** 1984 Aug 1; 140(2):434-42

[Localization of the FeMo-cofactor in the active center of nitrogenase] Levchenko LA, et al. **Dokl Akad Nauk SSSR** 1984;277(4):1003-5 **(Rus)**

ANTAGONISTS & INHIBITORS

In vivo effect to uncoupler CCCP on nitrogenase of Anabaena sp. CH1 and CH2. Chen PC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Nov;17(4):219-25

BIOSYNTHESIS

Expression of nitrogen fixation genes in foreign hosts. Assembly of nitrogenase Fe protein in Escherichia coli and in yeast. Berman J, et al. **J Biol Chem** 1985 May 10; 260(9):5240-3

Nitrogenase synthesis in Klebsiella pneumoniae: enhanced nif expression without accumulation of guanosine 5'-diphosphate 3'-diphosphate. Nair MB, et al. **J Gen Microbiol** 1984 Dec;130 (Pt 12):3063-9

GENETICS

Molecular basis of biological nitrogen fixation. Orme-Johnson WH. **Annu Rev Biophys Biophys Chem** 1985;14:419-59 (164 ref.)

A putative nitrogenase reductase gene found in the nucleotide sequences from the photosynthetic gene cluster of R. capsulata [letter] Hearst JE, et al. **Cell** 1985 Jan; 40(1):219-20

Expression of a nitrogen-fixation gene encoding a nitrogenase subunit in yeast. Berman J, et al. **Gene** 1985;35(1-2):1-9

Physical organization of the Bradyrhizobium japonicum nitrogenase gene region. Adams TH, et al. **J Bacteriol** 1984 Sep;159(3):857-62

Isolation of genes (nif/hup cosmids) involved in hydrogenase and nitrogenase activities in Rhizobium japonicum. Hom SS, et al. **J Bacteriol** 1985 Mar;161(3):882-7

Mutational analysis of the Klebsiella pneumoniae nitrogenase promoter: sequences essential for positive control by nifA and ntrC (glnG) products. Ow DW, et al. **J Bacteriol** 1985 Mar;161(3):868-74

Biosynthesis of iron-molybdenum cofactor in the absence of nitrogenase. Ugalde RA, et al. **J Bacteriol** 1984 Sep; 159(3):888-93

A molecular genetic study of nif expression in Klebsiella pneumoniae at the level of transcription, translation and nitrogenase activity. Cannon M, et al. **MGG** 1985; 198(2):198-206

Rearrangement of nitrogen fixation genes during heterocyst differentiation in the cyanobacterium Anabaena. Golden JW, et al. **Nature** 1985 Apr 4-10;314(6010):419-23

Structural analysis of the genes encoding the molybdenum-iron protein of nitrogenase in the Parasponia rhizobium strain ANU289. Weinman JJ, et al. **Nucleic Acids Res** 1984 Nov 26;12(22):8329-44

ISOLATION & PURIFICATION

Electron microscopy of the Mo-Fe-protein from Azotobacter vinelandii nitrogenase. Tsuprun VL, et al. **Eur J Biochem** 1985 Jun 3;149(2):389-92

Mössbauer, EPR, and magnetization studies of the Azotobacter vinelandii Fe protein. Evidence for a [4Fe-4S]1+ cluster with spin S = 3/2. Lindahl PA, et al. **J Biol Chem** 1985 Sep 15;260(20):11160-73

METABOLISM

Reversible and irreversible inactivation of cellular nitrogenase upon oxygen stress in Azotobacter vinelandii growing in oxygen controlled continuous culture. Dingler C, et al. **Arch Microbiol** 1985 Feb;141(1):80-4

Regulation of nitrogenase activity by covalent modification in Chromatium vinosum. Gotto JW, et al. **Arch Microbiol** 1985 Feb;141(1):40-3

Oxygen protection of nitrogenase in Frankia sp. HFPArI3. Murry MA, et al. **Arch Microbiol** 1984 Oct;139(2-3):162-6

A modified flavodoxin with altered redox potentials is less efficient in electron transfer to nitrogenase. Hofstetter W, et al. **Biochem Biophys Res Commun** 1985 Apr 30; 128(2):643-9

The inactive MoFe protein (NifB-Kp1) of the nitrogenase from nifB mutants of Klebsiella pneumoniae. Its interaction with FeMo-cofactor and the properties of the active MoFe protein formed. Hawkes TR, et al. **Biochem J** 1984 Nov 1;223(3):783-92

The mechanism of Klebsiella pneumoniae nitrogenase action. The determination of rate constants required for the simulation of the kinetics of N2 reduction and H2 evolution. Lowe DJ, et al. **Biochem J** 1984 Dec 15;224(3):895-901

The mechanism of Klebsiella pneumoniae nitrogenase action. Pre-steady-state kinetics of H2 formation. Lowe DJ, et al. **Biochem J** 1984 Dec 15;224(3):877-86

Adenine nucleotide levels in Rhodospirillum rubrum during switch-off of whole-cell nitrogenase activity. Paul TD, et al. **Biochem J** 1984 Dec 15;224(3):961-9

The mechanism of Klebsiella pneumoniae nitrogenase action. Simulation of the dependences of H2-evolution rate on component-protein concentration and ratio and sodium dithionite concentration. Thorneley RN, et al. **Biochem J** 1984 Dec 15;224(3):903-9

The mechanism of Klebsiella pneumoniae nitrogenase action. Pre-steady-state kinetics of an enzyme-bound intermediate in N2 reduction and of NH3 formation. Thorneley RN, et al. **Biochem J** 1984 Dec 15;224(3):887-94

Electron-paramagnetic-resonance spectroscopy and related techniques in the study of nitrogenase. Lowe DJ, et al. **Biochem Soc Trans** 1985 Jun;13(3):579-81

Purification and properties of the heat-released nucleotide-modifying group from the inactive iron protein of nitrogenase from Rhodospirillum rubrum. Pope MR, et al. **Biochemistry** 1985 Apr 23;24(9):2374-80

Complex formation and O2 sensitivity of Azotobacter vinelandii nitrogenase and its component proteins. Wang ZC, et al. **Biochemistry** 1985 Jan 1;24(1):214-21

In vivo interaction between nitrogenase molybdenum-iron protein and membrane in Azotobacter vinelandii and Rhodospirillum rubrum. Howard KS, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):575-85

The catalytic activity of nitrogenase in intact Azotobacter vinelandii cells. Klugkist J, et al. **Eur J Biochem** 1985 Feb 1;146(3):509-15

Mol- mutants of Klebsiella pneumoniae requiring high levels of molybdate for nitrogenase activity. Imperial J, et al. **J Bacteriol** 1985 Sep;163(3):1285-7

Effects of D-erythrose on nitrogenase activity in whole filaments of Anabaena sp. strain 7120. Privalle LS. **J Bacteriol** 1984 Nov;160(2):794-6

Inhibition of iron-molybdenum cofactor binding to component I of nitrogenase. Shah VK, et al. **J Biol Chem** 1985 Apr 10;260(7):3891-4

Covalent modification of the iron protein of nitrogenase from Rhodospirillum rubrum by adenosine diphosphoribosylation of a specific arginine residue. Pope MR, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3173-7

NITROGLYCERIN see **GLYCERYL TRINITRATE**

NITROHYDROXYIODOPHENYLACETATE see under **NITROPHENOLS**

NITROIMIDAZOLES

Reactions of nitroimidazoles with free radicals--enhancement of reaction by u.v. irradiation. Moore DE. **Int J Radiat Biol** 1985 May;47(5):563-8

Cost of nitroimidazoles [letter] Cranna D. **Med J Aust** 1984 Oct 27;141(9):601-2

A novel metabolite of tinidazole involving nitro-group migration. Wood SG, et al. **Xenobiotica** 1985 Feb; 15(2):107-13

ADMINISTRATION & DOSAGE

The nitrefazole-ethanol interaction in man: cardiovascular responses and the accumulation of acetaldehyde and catecholamines. Suokas A, et al. **Alcoholism (NY)** 1985 May-Jun;9(3):221-7

Interstitial misonidazole. A preliminary report on a new perspective in clinical radiation sensitization and hypoxic cell chemotherapy. Sealy R, et al. **Cancer** 1984 Oct 15; 54(8):1535-40

Fast neutrons and misonidazole for malignant astrocytomas. Kurup PD, et al. **Int J Radiat Oncol Biol Phys** 1985 Apr; 11(4):679-86

Antibiotic prophylaxis in hysterectomy--cefotaxime compared to ampicillin-tinidazole. McDonald PJ, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl B:223-30

Non-specific vaginitis: diagnostic features and response to imidazole therapy (metronidazole, ornidazole). Meech RJ, et al. **NZ Med J** 1985 May 22;98(779):389-91

Should antimicrobial prophylaxis in colorectal surgery include agents effective against both anaerobic and aerobic microorganisms? A double-blind, multicenter study. The Norwegian Study Group for Colorectal Surgery. **Surgery** 1985 Apr;97(4):402-8

ADVERSE EFFECTS

Misonidazole neuropathy. Paulson OB, et al. **Acta Neurol Scand [Suppl]** 1984;100:133-6

Neurotoxicity of Adriamycin and misonidazole in the mouse. Boegman RJ, et al. **Exp Neurol** 1985 Jan;87(1):1-8

Tinidazole and hepatitis [letter] Howard K. **Med J Aust** 1985 Apr 29;142(9):513

[Uncertain conclusions about adverse effects. Metronidazole and tinidazole] Bergan T. **Tidsskr Nor Laegeforen** 1985 Mar 10;105(7):516-7 **(Nor)**

[Thioctic acid in the prevention of the toxic effects of benznidazole (letter)] Pérez Lloret A, et al. **Medicina (B Aires)** 1984;44(1):108 **(Spa)**

ANTAGONISTS & INHIBITORS

Misonidazole neurotoxicity in rats: Part II. Effect of pre- and intermittent treatment with pentobarbital on misonidazole neurotoxicity in the rat. Edwards MS, et al. **J Neurooncol** 1984;2(2):95-8

BLOOD

Determination of misonidazole and desmethylmisonidazole in plasma by high-performance liquid chromatography with reductive electrochemical detection. Meering PG, et al. **J Chromatogr** 1984 Sep 14;310(1):159-66

METABOLISM

Binding of misonidazole to hypoxic cells in monolayer and spheroid culture: evidence that a side-chain label is bound as efficiently as a ring label. Raleigh JA, et al. **Br J Cancer** 1985 Feb;51(2):229-35

Tinidazole milk excretion and pharmacokinetics in lactating women. Evaldson GR, et al. **Br J Clin Pharmacol** 1985 Apr;19(4):503-7

Placental transfer of metronidazole and tinidazole in early human pregnancy after a single infusion. Karhunen M. **Br J Clin Pharmacol** 1984 Aug;18(2):254-7

Pharmacokinetics of ornidazole in patients with renal insufficiency; influence of haemodialysis and peritoneal dialysis. Merdjan H, et al. **Br J Clin Pharmacol** 1985 Feb; 19(2):211-7

Regional measurements of [14C]misonidazole distribution and blood flow in subcutaneous RT-9 experimental tumors. Blasberg R, et al. **Cancer Res** 1985 Apr;45(4):1692-701

Kinetics of misonidazole enantiomers. Williams KM. **Clin Pharmacol Ther** 1984 Dec;36(6):817-23

The pharmacokinetics of a new radiosensitiser, Ro 03-8799 in humans. Allen JG, et al. **Eur J Clin Pharmacol** 1984; 27(4):483-9

Kinetic aspects of misonidazole and its major metabolite in radiotherapy. Meering PG, et al. **Hum Toxicol** 1985 Jul; 4(4):425-34

Cellular uptake of misonidazole and analogues with acidic or basic functions. Dennis MF, et al. **Int J Radiat Biol** 1985 Jun;47(6):629-43

Comparative distribution of misonidazole and its amine metabolite in female Swiss Webster mice. Born JL, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1157-61

Changes in misonidazole binding with hypoxic fraction in mouse tumors. Hirst DG, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1349-55

The clinical testing of Ro 03-8799--pharmacokinetics, toxicology, tissue and tumor concentrations. Saunders MI, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1759-63

A phase I clinical study of Nimorazole as a hypoxic radiosensitizer. Timothy AR, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1765-8

Reduction of nitroimidazole derivatives by hydrogenosomal extracts of Trichomonas vaginalis. Yarlett N, et al. **Mol Biochem Parasitol** 1985 Jan;14(1):29-40

Comparison of binding of [3H]misonidazole and [14C]misonidazole in multicell spheroids. Rasey JS, et al. **Radiat Res** 1985 Mar;101(3):473-9

Further characterization of 4-bromomisonidazole as a potential detector of hypoxic cells. Rasey JS, et al. **Radiat Res** 1985 Apr;102(1):76-85

Polarographic measurement of misonidazole in mouse mammary tumors. Ohizumi Y, et al. **Tokai J Exp Clin Med** 1984 Aug;9(3):199-206

A novel metabolite of tinidazole involving nitro-group migration. Wood SG, et al. **Xenobiotica** 1985 Feb; 15(2):107-13

PHARMACODYNAMICS

Mutagenic activity of radiosensitizers. Grzybowska E, et al. **Acta Microbiol Pol** 1985;34(2):111-20

Influence of catalase on the radiation sensitizing effect of misonidazole. Gazsó GL, et al. **Acta Radiol [Oncol]** 1985 Mar-Apr;24(2):189-91

Growth stimulation by misonidazole of lung carcinoma cells maintained in continuous organotypic and monolayer cultures. Chevillard S, et al. **Anticancer Res** 1985 Mar-Apr; 5(2):241-7

Tinidazole and emetine cytogenetic effects evaluated by the micronucleus test in mice. Leal-Garza CH, et al.

Arch Invest Med (Mex) 1984 Oct-Dec;15(4):311-6 **(Eng, Spa)**

Pharmacological profile of 1-methylsulphonyl-3-(1-methyl-5-nitro-2-imidazolyl)-2-(Go-10213), a new antiprotozoal agent, in comparison with metronidazole. David J, et al. **Arzneimittelforschung** 1985; 35(4):721-6

Effect of nitroheterocyclic drugs on lipid peroxidation and glutathione content in rat liver extracts. Dubin M, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3419-23

Damage of Trypanosoma cruzi deoxyribonucleic acid by nitroheterocyclic drugs. Goijman SG, et al. **Biochem Pharmacol** 1985 May 1;34(9):1457-61

DNA damage in normal and neoplastic mouse tissues after treatment with misonidazole in vivo. Murray D, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3275-9

Bleomycin and misonidazole cytotoxicity. Korbelik M, et al. **Br J Cancer** 1985 Apr;51(4):499-504

Misonidazole protects mouse tumour and normal tissues from the toxicity of oral CCNU. Lee FY, et al. **Br J Cancer** 1985 Jan;51(1):85-91

Chemopotentiation of CCNU metabolites by misonidazole. Mulcahy RT. **Br J Cancer** 1985 May;51(5):733-5

Effect of misonidazole pretreatment on nitrogen mustard-induced DNA cross-linking in mouse tissues in vivo. Murray D, et al. **Br J Cancer** 1984 Dec;50(6):801-8

Changes in ultrastructure and function of hypoxic V79 fibroblast cells after treatment with misonidazole. Jacobson EA, et al. **Cancer** 1985 Feb 15;55(4):751-9

Radiosensitizing and cytotoxic properties of misonidazole on glutathione synthetase deficient human fibroblasts. Deschavanne PJ, et al. **Int J Radiat Biol** 1985 Aug; 48(2):213-21

Combined effect of misonidazole and glutathione depletion by buthionine sulphoximine on cellular radiation response. Edgren M, et al. **Int J Radiat Biol** 1985 Apr;47(4):463-74

Glutathione requirement for the rejoining of radiation-induced DNA breaks in misonidazole-treated cells. Edgren M, et al. **Int J Radiat Biol** 1985 Aug; 48(2):207-12

Adduct formation is involved in radiosensitization, mediated by cytochrome c, of phi X174 DNA by misonidazole. Lafleur MV, et al. **Int J Radiat Biol** 1985 Apr;47(4):379-82

Thiol reactive nitroimidazoles: radiosensitization studies in vitro and in vivo. Stratford IJ, et al. **Int J Radiat Biol** 1984 Dec;46(6):731-45

The effect of extracellular pH on radiosensitization by misonidazole and acidic or basic analogues. Watts ME, et al. **Int J Radiat Biol** 1985 Jun;47(6):645-53

Nitroimidazoles as modifiers of nitrosourea pharmacokinetics. Lee FY, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1627-30

Mechanism of melphalan crosslink enhancement by misonidazole pretreatment. Taylor YC, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1603-7

Satranidazole: experimental evaluation of activity against anaerobic bacteria in vitro and in animal models of anaerobic infection. Gowrishankar R, et al. **J Antimicrob Chemother** 1985 Apr;15(4):463-70

A metronidazole-resistant strain of Trichomonas vaginalis and its sensitivity to Go 10213. Ray DK, et al. **J Antimicrob Chemother** 1984 Oct;14(4):423-6

The absence of interaction with alcohol of a new antiprotozoal agent Go. 10213 Cibemone. Gadgil SD, et al. **J Assoc Physicians India** 1984 Aug;32(8):705-8

Potential radiosensitizing agents. 7. 4(5)-Iodo-5(4)-nitroimidazole derivatives. Gupta RP, et al. **J Med Chem** 1985 Aug;28(8):987-91

Radiosensitization of Bacillus megaterium spores by combinations of oxygen and misonidazole. Salih FM. **J Radiat Res (Tokyo)** 1984 Jun;25(2):160-9

Selective enhancement of hypoxic cell killing by melphalan via thiol depletion: in vitro studies with hypoxic cell sensitizers and buthionine sulfoximine. Roizin-Towle L. **JNCI** 1985 Jan;74(1):151-7

Hypotensive response of ethanol in rats pretreated with disulfiram or nitrefazole. Koda LY, et al. **Life Sci** 1984 Oct 15;35(16):1659-65

A rapid method for testing in vivo the susceptibility of different strains of Trypanosoma cruzi to active chemotherapeutic agents. Filardi LS, et al. **Mem Inst Oswaldo Cruz** 1984 Apr-Jun;79(2):221-5

Effects of nitroheterocyclic sensitizers on erythrocyte membranes ATP-ase activity. Rybczyńska M, et al. **Pol J Pharmacol Pharm** 1984 Jul-Aug;36(4):307-12

Effects of oxygen and misonidazole on cell transformation and cell killing in C3H 10T1/2 cells by X rays in vitro. Borsa J, et al. **Radiat Res** 1984 Oct;100(1):96-103

The effect of misonidazole as a hypoxic radiosensitizer at low dose. Palcic B, et al. **Radiat Res** 1984 Nov;100(2):340-7

Effect of misonidazole on formation of thymine damage by gamma rays. Remsen JF. **Radiat Res** 1985 Feb; 101(2):306-11

Scanning electron microscopy and transmission electron microscopy of the ciliated cells of the trachea of the rabbit treated with misonidazole alone and in combination with ionizing radiation. Albertsson M, et al. **Radiother Oncol** 1985 Jan;3(1):47-60

Reaction of the vascular system in the trachea of the rabbit exposed to fractionated irradiation with and without the addition of misonidazole. Albertsson M, et al. **Radiother Oncol** 1985 Apr;3(3):267-77

Enhancement of misonidazole radiosensitization by buthionine sulphoximine. Rojas A, et al. **Radiother Oncol** 1984 Dec;2(4):325-32

A study of the effects of prior heat treatment on the skin reaction of mouse feet after heat alone or combined with X-rays: influence of misonidazole. Wondergem J, et al. **Radiother Oncol** 1984 Aug;2(2):159-70

[Effect of misonidazole (Ro 07-0582) and radiation on the monooxygenases of liver microsomes of the rat] Laurent F, et al. **J Pharmacol** 1985 Jan-Mar;16(1):23-30 (Eng. Abstr.) **(Fre)**

[Efficacy of tinidazole against anaerobes in comparison with metronidazole, ornidazole, cefoxitin and lamoxactam] Werner H, et al. **Immun Infekt** 1983 Jun;11(4):143-7 (Eng. Abstr.) **(Ger)**

[Use of Giardia intestinalis cultures in chemotherapeutic studies] Kasprzak W, et al. **Wiad Parazytol** 1984; 30(3):301-10 (Eng. Abstr.) **(Pol)**

[Effect of tinidazole, pimaricin and oxyteracine on Balantidium coli (M) in vitro] Skotarczak B. **Wiad Parazytol** 1984;30(4):453-7 (Eng. Abstr.) **(Pol)**

[A patient with urogenital trichomoniasis unsuccessfully treated due to resistance of the causative agent to nitroimidazole preparations] Valent M, et al. **Bratisl Lek Listy** 1985 Feb;83(2):156-61 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

Treatment of non-invasive amoebiasis--a comparison between tinidazole and metronidazole. Pehrson P, et al. **Ann Trop Med Parasitol** 1984 Oct;78(5):505-8

Single-dose tinidazole for the treatment of giardiasis. Speelman P. **Antimicrob Agents Chemother** 1985 Feb; 27(2):227-9

Single dose tinidazole prophylaxis in hysterectomy. Crosthwaite AH, et al. **Aust NZ J Obstet Gynaecol** 1985 Feb;25(1):55-8

The impact of a new alcohol sensitizing agent (nitrefazole) on craving in severely dependent alcoholics. Stockwell T, et al. **Br J Addict** 1984 Dec;79(4):403-9

Factors influencing the chemosensitization of melphalan by misonidazole. Randhawa VS, et al. **Br J Cancer** 1985 Feb; 51(2):219-28

Combined modality treatment of operated astrocytomas grade 3 and 4. A prospective and randomized study of misonidazole and radiotherapy with two different radiation schedules and subsequent CCNU chemotherapy. Stage II of a prospective multicenter trial of the Scandinavian Glioblastoma Study Group. Hatlevoll R, et al. **Cancer** 1985 Jul 1;56(1):41-7

Multiple daily fractionated radiation therapy and misonidazole in the management of malignant astrocytoma. A preliminary report. Shin KH, et al. **Cancer** 1985 Aug 15;56(4):758-60

In vivo interaction between radiation and 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea in the absence or presence of misonidazole in mice. Siemann DW, et al. **Cancer Res** 1985 Jan;45(1):198-202

Comparison of tinidazole with metronidazole in the treatment of hepatic amoebiasis: a controlled double blind study. Mendis S, et al. **Ceylon Med J** 1984 Jun;29(2):97-100

Double-blind randomized comparative trial: ornidazole (Tiberal) versus tinidazole (Fasigin) for the treatment of non-specific vaginitis. Sanz Sanz F, et al. **Chemioterapia** 1985 Jun;4(3):218-21

Prophylaxis and treatment of anaerobic infections following caesarean section with tinidazole. Karhunen M, et al. **Chemotherapy** 1985;31(3):228-36

Radical irradiation and misonidazole for T2 grade III and T3 bladder cancer: 2 year follow-up. Abratt RP, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1719-20

Clinical trials with cyclophosphamide and misonidazole combination for maintaining treatment after radiation therapy of lung carcinoma. Busutti L, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1739-43

Potentiation of cyclophosphamide cytotoxicity in vivo: a study with misonidazole and fifteen other 1-substituted 2-nitroimidazoles. Chaplin DJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1647-51

Hypoxic cell radiosensitizers: expectations and progress in drug development. Coleman CN. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):323-9 (35 ref.)

Misonidazole combined with hyperfractionation in the management of malignant glioma. Fulton DS, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1709-12

The effect in the KHT sarcoma of CCNU and MISO on cell cycle progression evaluated by flow-cytometry. Hill SA, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1619-22

Survival in subpopulations of cells derived from solid KHT sarcomas by centrifugal elutriation following treatment with CCNU and MISO. Hill SA, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1615-8

A comparison of the ability of some radiosensitizers undergoing clinical trials to act as chemosensitizers. Hinchliffe M, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1635-40

The effect of timing on chemosensitization by clinical levels of SR-2508. Hirst DG, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1641-5

Combined treatment of radiation and local injections of misonidazole. Hong SS, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2369-73

Combination of 60Co gamma-radiation, misonidazole, and maltose tetrapalmitate in the treatment of Dunning prostatic tumor in the rat. Pageau R, et al. **Int J Radiat Oncol Biol Phys** 1985 Aug;11(8):1483-7

Hyperfractionated radiotherapy with or without misonidazole: results of a prospective randomized study in stage III-IV squamous cell carcinoma of the head and neck. Panis X, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1845-9

A phase I study of the combination of benznidazole and CCNU in man. Roberts JT, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1745-8

Combination therapy with misonidazole and mitomycin C: lack of chemosensitization of EMT6 tumor cells in vivo or in vitro. Rockwell S. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1631-4

The treatment of locally advanced head and neck cancer with misonidazole, hyperbaric oxygen and irradiation: an interim report. Sealy R, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1721-3

Modification of chemotherapy by nitroimidazoles. Siemann DW. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1585-94 (63 ref.)

Enhanced tumor responses through therapies combining CCNU, MISO and radiation. Siemann DW, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1623-6

Misonidazole and irradiation in the treatment of high-grade astrocytomas: further report of the Vienna Study Group. Stadler B, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1713-7

Clinical trials with hypoxic cell sensitizers: time to retrench or time to push forward? Urtasun RC, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1691-6 (36 ref.)

Efficacy of ipronidazole against trichomoniasis in beef bulls. Skirrow S, et al. **J Am Vet Med Assoc** 1985 Aug 15; 187(4):405-7

Radiation therapy of rat brain tumor using misonidazole as hypoxic cell sensitizer. Tamura M, et al. **J Cancer Res Clin Oncol** 1985;109(3):188-92

Radiosensitizing effect of combined radiotherapy, hyperthermia and misonidazole on C3H mouse FM3A tumor. Yamashita M. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Sep 25; 44(9):1181-8

Experience in the radical radiotherapy of cancer in the bilharzial bladder: the use of misonidazole. Awwad HK, et al. **Radiother Oncol** 1984 Jun;2(1):1-8

Late results of multiple fractions per day (MFD) with misonidazole in advanced cancer of the head and neck. A pilot study of the EORTC radiotherapy group. Van den Bogaert W, et al. **Radiother Oncol** 1985 Feb;3(2):139-44

The treatment of Trichomonas vaginalis vaginitis. An open controlled prospective study comparing a single dose of metronidazole tablets, benzoyl metronidazole suspension and tinidazole tablets. Bloch B, et al. **S Afr Med J** 1985 Mar 23;67(12):455-7

Tinidazole prophylaxis in elective colorectal surgery. Laitinen S, et al. **Scand J Gastroenterol** 1984 Nov; 19(8):1027-30

Comparative study of netilmicin/tinidazole versus netilmicin/clindamycin in the treatment of severe abdominal infections. Henning C, et al. **Scand J Infect Dis** 1984;16(3):297-303

Single dose of tinidazole in the treatment of vaginal discharge. Paavonen J, et al. **Scand J Urol Nephrol [Suppl]** 1984;86:237-40

The effect of a hypoxic cell sensitizer on cancer radiotherapy: an analysis by a model. Okumura Y, et al. **Strahlentherapie** 1984 Oct;160(10):620-3

The effect of hypoxic radiosensitizer after mild hyperthermia in C3H mammary carcinoma. Ohizumi Y, et al. **Tokai J Exp Clin Med** 1984 Oct;9(4):331-7

The use of 2-substituted 5-nitroimidazoles in the treatment of chronic murine Trypanosoma brucei infections with central nervous system involvement. Jennings FW, et al. **Z Parasitenkd** 1984;70(6):691-7

[Prophylactic and therapeutic effect of ornidazole (Tiberal Roche) in abdominal surgery] Vyhnánek F, et al. **Rozhl Chir** 1985 Jun;64(6):451-6 (Eng. Abstr.) **(Cze)**

[Evaluation of the use of the combination sulfamethoxazole-trimethoprim-ornidazole in the prevention of infections in major ORL surgery and otoneurosurgery (on 100 cases)] Lenoir JL, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(3):221-4 (Eng. Abstr.) **(Fre)**

[Tinidazole in the therapy of anaerobic pulmonary infections] Vetter N, et al. **Wien Med Wochenschr** 1984 Nov 30; 134(22):509-13 (Eng. Abstr.) **(Ger)**

[Perioperative antibiotic prevention in colon and rectum surgery. A randomized study on the value of single dose prevention] Athanasiadis S, et al. **Zentralbl Chir** 1985; 110(9):532-8 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of misonidazole combined with radiotherapy in the treatment of carcinoma of the esophagus--a double-blind randomized trial] Irie G, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Oct 20;19(9):2085-92 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of radiosensitizing effects of misonidazole] Mitsuhashi N, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jul 25;

44(7):956-65 (Eng. Abstr.) (Jpn)

[Evaluation of the validity of the preventive use of metronidazole and tinidazole in surgery of the genital organs] Zrubek H, et al. **Ginekol Pol** 1984 Nov;55(11):863-6 (Eng. Abstr.) (Pol)

[Clinical evaluation of ornidazole in lambliasis] Kociecka W, et al. **Pol Tyg Lek** 1985 Feb 18;40(7):183-5 (Eng. Abstr.) (Pol)

[Clinical experience with the treatment of giardiasis using ornidazole manufactured in Czechoslovakia] Sobota K, et al. **Bratisl Lek Listy** 1985 Feb;83(2):147-9 (Eng. Abstr.) (Slo)

[Benznidazole and chronic Chagas disease (letter)] Manigot DA. **Medicina (B Aires)** 1984;44(1):105-6 (Spa)

[Chagas disease and pregnancy. Review apropos of a clinical case. Treatment] Almuna R, et al. **Rev Chil Obstet Ginecol** 1981;46(3):107-11 (Eng. Abstr.) (Spa)

TOXICITY

Administration of benznidazole, a chemotherapeutic agent against Chagas*disease, to pregnant rats. Covalent binding of reactive metabolites to fetal and maternal proteins. de Toranzo EG, et al. **Arch Int Pharmacodyn Ther** 1984 Nov;272(1):17-23

Toxicity of dimetridazole in waterfowl. Riddell C. **Avian Dis** 1984 Oct-Dec;28(4):974-7

Effects of glutathione depletion using buthionine sulphoximine on the cytotoxicity of nitroaromatic compounds in mammalian cells in vitro. Hodgkiss RJ, et al. **Biochem Pharmacol** 1985 Jun 15;34(12):2175-8

Initial report of the phase I trial of the hypoxic cell radiosensitizer SR-2508. Coleman CN, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1749-53

In vitro assessment of the oncogenic potential of nitroimidazole radiosensitizers. Hei TK, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1653-8

Is misonidazole neurotoxicity altered by the use of phenytoin and/or dexamethasone in RTOG 79-18 and RTOG 79-16? Nelson DF, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1731-4

A phase I study of the hypoxic cell radiosensitizer Ro-03-8799. Roberts JT, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1755-8

Benznidazole with CCNU: a clinical phase I toxicity study. Roberts JT, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):331-4

Misonidazole with dexamethasone rescue: an escalating dose toxicity study. Tanasichuk H, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1735-7

Neuropathy of nitroimidazole radiosensitizers: clinical and pathological description. Wasserman TH, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1725-30

Misonidazole neurotoxicity in rats: Part I. Evaluation of misonidazole neurotoxicity in rats by analysis of brain stem auditory and cortical evoked potentials. Edwards MS, et al. **J Neurooncol** 1984;2(2):91-4

Micronucleus formation in bone marrow of mice treated with nifurtimox or benznidazole. Gorla NB, et al. **Toxicol Lett** 1985 Jun;25(3):259-63

Studies on pentane evolution by rats treated with nifurtimox or benznidazole. Castro GD, et al. **Toxicology** 1985 Jun 28;35(4):319-26

The neurotoxicity of radiosensitizing drugs: a biochemical assessment of desmethylmisonidazole (DMM) in the rat. Rose GP, et al. **Toxicology** 1985 Jan;34(1):43-56

URINE

Urinary metabolites of the antiprotozoal agent cis-3a,4,5,6,7,7a-hexahydro-3-(1-methyl-5-nitro-1H-imidazol-2-yl)-1,2-b in the rat. VandenHeuvel WJ, et al. **J Pharm Sci** 1984 Dec;73(12):1731-4

NITROMIFENE see under **PYRROLIDINES**

NITROPARAFFINS see under **ALKANES**

NITROPHENOLS

Spectrophotometric estimation of protein concentration in the presence of tryptophan modified by 2-hydroxy-5-nitrobenzyl bromide. Malin EL, et al. **Anal Biochem** 1985 Feb 1;144(2):356-61

Localization of lysines acetylated in ubiquitin reacted with p-nitrophenyl acetate. Jabusch JR, et al. **Arch Biochem Biophys** 1985 Apr;238(1):170-7

[Chemical modification of tryptophan residues of leucyl tRNA synthetase by N-bromosuccinimide and 2-hydroxy-5-nitrobenzyl bromide] Korneliuk AI, et al. **Bioorg Khim** 1985 May;11(5):605-12 (Eng. Abstr.) (Rus)

ANALYSIS

Chemical reaction, diffusion, and ionization model for dissolution of oxygen acids and carbon acids. Oravec PL, et al. **J Pharm Sci** 1985 Feb;74(2):175-9

IMMUNOLOGY

Structure of primary anti-(4-hydroxy-3-nitrophenyl)acetyl (NP) antibodies in normal and idiotypically suppressed C57BL/6 mice. Cumano A, et al. **Eur J Immunol** 1985 May;15(5):512-20

Equivalence of conventional anti-picryl T suppressor factor in the contact sensitivity system and monoclonal anti-NP TsF3: their final non-specific effect via the T acceptor cell. Asherson GL, et al. **Immunology** 1984 Nov;53(3):491-7

Immunochemical properties of some monoclonal IgE antibodies to 4-hydroxy-3-nitrophenylacetyl (NP). Bose R, et al. **Immunology** 1984 Dec;53(4):801-9

Heavy chain variable region. Multiple gene segments encode anti-4-(hydroxy-3-nitro-phenyl)acetyl idiotypic antibodies. Boersch-Supan ME, et al. **J Exp Med** 1985 Jun 1;161(6):1272-92

Mechanism controlling the genetic restrictions of an NP-specific suppressor factor that inhibits B cell responses. Hausman PB, et al. **J Immunol** 1985 Aug;135(2):915-21

Hapten-specific T cell responses to 4-hydroxy-3-nitrophenyl acetyl. XIV. Carrier requirement for suppressor cell induction. Sherr DH, et al. **J Immunol** 1984 Nov;133(5):2417-22

ISOLATION & PURIFICATION

[Purification of impure 4-nitrophenylphosphate preparations] Kirchberger J, et al. **Z Med Lab Diagn** 1985;26(3):176-7 (Ger)

METABOLISM

Catalysis by human leukocyte elastase: III. Steady-state kinetics for the hydrolysis of p-nitrophenyl esters. Stein RL. **Arch Biochem Biophys** 1985 Feb 1;236(2):677-80

Polyamine effects on cytochrome P-450- and flavin-containing monooxygenase-mediated oxidation of xenobiotics. Osimitz TG, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):197-203

Biodegradation of 4-nitrophenol in standardized aquatic degradation tests. Nyholm N, et al. **Ecotoxicol Environ Safety** 1984 Oct;8(5):451-70

Kinetics of the acid pump in the stomach. Proton transport and hydrolysis of ATP and p-nitrophenyl phosphate by the gastric H,K-ATPase. Ljungström M, et al. **J Biol Chem** 1985 May 10;260(9):5440-4

PHARMACODYNAMICS

Sulfation of peptides and simple phenols by rat brain phenolsulfotransferase. Inhibition by dichloronitrophenol. Giorgi O, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):45-9

Effect of alkylation of tryptophan residues on the enzymatic and pharmacological properties of snake venom phospholipase A2. Condrea E, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):331-9

The effects of phenobarbital, bis-p-nitrophenyl phosphate and disulfiram on the hydrolysis of propanidid in Wistar rats. Nousiainen U. **Gen Pharmacol** 1984;15(5):397-402

The effect of substrate and potassium on the inhibitory kinetics of MnCl2 on the enzyme K+-p-nitrophenyl phosphatase in rat brain. Bansal SK, et al. **J Appl Toxicol** 1985 Feb;5(1):35-8

The effect of tryptophan modification on the structure and function of a sea snake neurotoxin. Allen M, et al. **Mol Pharmacol** 1985 Jan;27(1):79-85

[Ion channels formed in bilayer lipid membranes by large subunits of Na,K-ATPase and activated by ATP and p-nitrophenylphosphate] Mironov GP, et al. **Biofizika** 1984 Jul-Aug;29(4):688-90 (Eng. Abstr.) (Rus)

[Modification of tryptophan residues in immunoglobulin M by 2-hydroxy-5-nitrobenzyl bromide] Lapuk VA, et al. **Biokhimiia** 1985 Feb;50(2):237-42 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Efficacy of nitroxynil against Oestrus ovis in sheep. Wellington AC. **Vet Rec** 1985 Mar 23;116(12):322

TOXICITY

Developmental toxicity of nine selected compounds following prenatal exposure in the mouse: naphthalene, p-nitrophenol, sodium selenite, dimethyl phthalate, ethylenethiourea, and four glycol ether derivatives. Plasterer MR, et al. **J Toxicol Environ Health** 1985;15(1):25-38

NITROPHENYL PHOSPHATASE see under **PHOSPHOMONOESTERASES**

NITROPHENYLGALACTOSIDE see under **GLYCOSIDES**

NITROPHOS see **FENITROTHION**

NITROPRUSSIDE see under **FERRICYANIDES**

4-NITROQUINOLINE-1-OXIDE see under **NITROQUINOLINES**

NITROQUINOLINES

Verrucous hyperplasia and verrucous carcinoma of the rat oral mucosa. Experimental oral carcinogenesis using 4-nitroquinoline 1-oxide. Fisker AV, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Nov;92(6):437-45

Biomimetic preparation and structure determination of QGI, one of the quinoline-DNA base adducts formed in cells treated with 4-nitroquinoline 1-oxide. Tada M, et al. **Gann** 1984 Nov;75(11):976-85

ADMINISTRATION & DOSAGE

Experimental tongue carcinoma of rats induced by oral administration of 4-nitroquinoline 1-oxide (4NQO) in drinking water. Ohne M, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):600-7

ADVERSE EFFECTS

Serious side effects of oxamniquine during the treatment of Schistosoma mansoni in Kenya [letter] Chunge CN, et al. **East Afr Med J** 1985 Jan;62(1):3-4

BLOOD

Pharmacokinetic studies on praziquantel and oxamniquine in intestinal schistosomiasis. Massoud A, et al. **J Egypt Soc Parasitol** 1984 Dec;14(2):599-608

PHARMACODYNAMICS

Studies on the mode of action of oxamniquine and related schistosomicidal drugs. Pica-Mattoccia L, et al. **Am J Trop Med** Hyg 1985 Jan;34(1):112-8

Effects of oxamniquine on neuromuscular transmission. Adewunmi CO, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):231-7

Detection of repair of chemical-induced DNA damage in vivo by the nucleoid sedimentation assay. Romagna F, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):56-62

Defective repair of a class of 4NQO-induced alkali-labile DNA lesions in xeroderma pigmentosum complementation group A fibroblasts. Mirzayans R, et al. **Carcinogenesis** 1985 Apr;6(4):555-9

Study of the mutagenic activity of 6 hepatotoxic pharmaceutical drugs in the Salmonella typhimurium microsome test, and the HGPRT and Na+/K+ ATPase system in cultured mammalian cells. Dayan J, et al. **Mutat Res** 1985 Jul;157(1):1-12

[Lipofuscin in cardiac myocytes of mice treated with oxamniquine] Mello ML, et al. **Rev Inst Med Trop Sao Paulo** 1984 Sep-Oct;26(5):241-2 (Eng. Abstr.) (Por)

[Molecular nature of the direct mutations induced by 4-nitro-quinoline-N-oxide and 3-methyl-4-nitroquinoline-N-oxide in the ADE2 gene of Saccharomyces cerevisiae] Kasinova GV, et al. **Genetika** 1985 Jun;21(6):914-8 (Eng. Abstr.) (Rus)

THERAPEUTIC USE

Preliminary clinical trial of oral oxamniquine in the treatment of Schistosoma mansoni in Ethiopia. Ayele T. **East Afr Med J** 1984 Aug;61(8):632-6

Schistosoma mansoni treatment with oral oxamniquine in Zambia. Gupta KK. **East Afr Med J** 1984 Aug;61(8):641-4

Schistosoma mansoni: ultrastructure of adults from mice treated with oxamniquine. Popiel I, et al. **Exp Parasitol** 1984 Dec;58(3):254-62

Randomized comparative trials of single doses of the newer antischistosomal drugs at Mwanza, Tanzania. I. Praziquantel and oxamniquine for the treatment of schistosomiasis mansoni. Rugemalila JB, et al. **J Trop Med Hyg** 1984 Dec;87(6):231-5

Resistance following drug attenuation (Ro 11-3128 or oxamniquine) of early Schistosoma mansoni infections in mice. Bickle QD, et al. **Parasitology** 1985 Apr;90 (Pt 2):325-38

[Epidemiologic study of 2 foci of Schistosoma mansoni bilharziasis in Togo (Lama Kara and Kpalimé). Comparative efficacy of oltipraz (RP 35972)] Lapierre J, et al. **Med Trop (Mars)** 1984 Apr-Jun;44(2):113-9 (Eng. Abstr.) (Fre)

[Therapeutic efficacy of oral oxamniquine in the treatment of prolonged septicemic salmonellosis] Lambertucci JR, et al. **Rev Inst Med Trop Sao Paulo** 1985 Jan-Feb;27(1):33-9 (Eng. Abstr.) (Por)

TOXICITY

An ultrastructural study of the acute effects of 4-nitroquinoline 1-oxide on the hamster lung. Ito T. **Exp Mol Pathol** 1985 Apr;42(2):220-33

Lack of carcinogenicity of 8-nitroquinoline on long-term in vivo test in hamsters. Furukawa F, et al. **J Toxicol Sci** 1985 May;10(2):101-6

The effect of quercetin on the mutagenicity of 2-acetylaminofluorene and benzo[alpha]pyrene in Salmonella typhimurium strains. Ogawa S, et al. **Mutat Res** 1985 Mar;142(3):103-7

NITROSAMINES

Membrane enzyme cytochemical changes in the hepatocytes of diethylnitrosamine induced hepatomas. Krustev LP, et al. **Arch Geschwulstforsch** 1985;55(2):99-105

Effects of vitamin C on tumor induction by diethylnitrosamine in the respiratory tract of hamsters exposed to cigarette smoke. Harada T, et al. **Cancer Lett** 1985 Mar;26(2):163-9

Effect of phenobarbital on the activity of RNA polymerase II during diethylnitrosamine-induced hepatocarcinogenesis in the rat. Kikuchi H, et al. **Cancer Lett** 1985 Mar;

26(2):201-6

Kinetics of diethylnitrosamine hepatocarcinogenesis in the infant mouse [letter] Goldfarb S, et al. **Cancer Res** 1985 Feb;45(2):909-12

Promoting effect of nicotinamide on the development of renal tubular cell tumors in rats initiated with diethylnitrosamine. Rosenberg MR, et al. **Cancer Res** 1985 Feb;45(2):809-14

Histochemical characterization of focal hepatic lesions induced by single diethylnitrosamine treatment in infant mice. Vesselinovitch SD, et al. **Cancer Res** 1985 Jun; 45(6):2774-80

Dose-related effect of trisodium nitrilotriacetate monohydrate on renal tumorigenesis initiated with N-ethyl-N-hydroxyethylnitrosamine in rats. Hiasa Y, et al. **Carcinogenesis** 1985 Jun;6(6):907-10

Transplantable chemically-induced liver tumors in the viviparous fish Poeciliopsis. Schultz ME, et al. **Exp Mol Pathol** 1985 Jun;42(3):320-30

The effects of catechol on the urinary bladder of rats treated with N-butyl-N-(4-hydroxybutyl)nitrosamine. La Voie EJ, et al. **Gann** 1985 Apr;76(4):266-71

Summation and synergism in the promotion of urinary bladder carcinogenesis initiated by N-butyl-N-(4-hydroxybutyl)-nitrosamine in F344 rats. Sakata T, et al. **Gann** 1984 Nov;75(11):950-6

Photochemistry of N-nitrosamines in neutral media. Michejda CJ, et al. **IARC Sci Publ** 1984;(57):365-9

Trisodium nitriloacetate monohydrate: promoting effect in urinary bladder carcinogenesis in rats treated with N-butyl-N-(4-hydroxybutyl)nitrosamine. Hiasa Y, et al. **JNCI** 1985 Jan;74(1):235-9

Dose-related enhancing effect of potassium bromate on renal tumorigenesis in rats initiated with N-ethyl-N-hydroxyethyl-nitrosamine. Kurokawa Y, et al. **Jpn J Cancer Res** 1985 Jul;76(7):583-9

[Cancer of the esophagus induced in the Wistar rat by ethyl-N-butyl-nitrosamine] Mandard AM, et al. **Bull Cancer (Paris)** 1984;71(5):419-24 (Eng. Abstr.) **(Fre)**

[Establishment of test methods for examining promoters of hepatocarcinogenesis--promoting effects of phenobarbital, butylated hydroxytoluene and barbital] Furukawa F, et al. **Eisei Shikenjo Hokoku** 1984;(102):71-6 (Eng. Abstr.) **(Jpn)**

[Coagulation and fibrinolysis system in bladder tumor. 2. Effect of fibrinolytic and anti-fibrinolytic agents on BBN-induced rat bladder tumor] Nagai N. **Nippon Hinyokika Gakkai Zasshi** 1985 Jan;76(1):31-40 (Eng. Abstr.) **(Jpn)**

[A study on the glucolytic enzyme activities in the experimental vesical cancer induced by N-butyl-N-butanol (4) nitrosamine in rats] Yagishita T. **Nippon Hinyokika Gakkai Zasshi** 1984 Jun;75(6):893-902 (Eng. Abstr.) **(Jpn)**

[Cell kinetics in the pancreatic ductal dysplasia. 3H-thymidine autoradiography study during pancreatic carcinogenesis in syrian golden hamsters by N-nitrosobis-(2-hydroxypropyl) amine] Ishikawa O, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Nov; 81(11):2786-92 (Eng. Abstr.) **(Jpn)**

[Histogenesis and implications of the pancreatic pseudoductules in experimental pancreatic carcinogenesis of hamster induced by N-nitrosobis (2-hydroxypropyl) amine] Monno S. **Nippon Shokakibyo Gakkai Zasshi** 1984 Nov;81(11):2793-802 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Stage dependent enhanced induction of hepatocellular carcinomas in rats administered a second dose of diethylnitrosamine. Yokoyama S, et al. **Cancer Lett** 1985 Mar;26(2):171-6

ADVERSE EFFECTS

Relevance of nitrosamines to human cancer. Bartsch H, et al. **Carcinogenesis** 1984 Nov;5(11):1381-93 (170 ref.)

Carcinogenesis of esophageal cancer in Linxian, China. Li MX, et al. **Chin Med J [Engl]** 1984 May;97(5):311-6

Epidemiological assessment of risk to humans from exposure to nitrosamines. Miller AB, et al. **IARC Sci Publ** 1984; (57):929-36

Occupational exposure to N-nitrosamines. Air measurements and biological monitoring. Spiegelhalder B. **IARC Sci Publ** 1984;(57):937-42

Hilar intrahepatic cholangiocarcinoma and its etiology [editorial] Juttijudata P, et al. **J Clin Gastroenterol** 1984 Dec;6(6):503-4

Effects of wood dust exposure and diethylnitrosamine in an animal experimental system. Wilhelmsson B, et al. **Rhinology** 1985 Jun;23(2):114-7

[Nitrosamines--potential carcinogens?] Klamová H, et al. **Cas Lek Cesk** 1985 Aug 30;124(35):1093-6 (Eng. Abstr.) **(Cze)**

[Atrophic gastritis and cancer: the role of nitrosamines] Lambert R. **Acta Gastroenterol Belg** 1984 May-Jun; 47(3):235-9 **(Fre)**

ANALYSIS

Sources of N-nitrosamine contamination in foods. Hotchkiss JH. **Adv Exp Med Biol** 1984;177:287-98 (47 ref.)

High-performance liquid chromatographic analysis of metabolites of the nicotine-derived nitrosamines, N'-nitrosonornicotine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Carmella SG, et al. **Anal Biochem** 1985 Mar;145(2):239-44

Liquid chromatographic determination of nitrosamines in malt and beer with a photoconductivity detector. Jasinski JS. **Anal Chem** 1984 Oct;56(12):2214-8

N-nitrosamines in snuff and chewing tobacco on the Swedish market in 1983. Osterdahl BG, et al. **Food Addit Contam** 1984 Oct-Dec;1(4):299-305

Synthesis of three N-nitroso dipeptides N-terminal in proline and a method for their determination in food. Tricker AR, et al. **Food Addit Contam** 1984 Oct-Dec;1(4):307-12

Survey of human milk for volatile N-nitrosamines and the influence of diet on their formation. Lakritz L, et al. **Food Chem Toxicol** 1984 Sep;22(9):721-4

Rapid assay of N-butyl-N-(3-carboxypropyl)nitrosamine in rat organs and urine by high-performance liquid chromatography after derivatization. Wada S, et al. **Gann** 1985 Mar;76(3):192-6

Post-harvest treatment and the accumulation of nitrite and N'-nitrosonornicotine in burley tobacco. Andersen RA, et al. **IARC Sci Publ** 1984;(57):877-83

N-nitrosamines in smoked meats and their relation to diabetes. Helgason T, et al. **IARC Sci Publ** 1984;(57):911-20

Formation and analysis of N-nitrosamines in tobacco products and their endogenous formation in consumers. Hoffmann D, et al. **IARC Sci Publ** 1984;(57):743-62 (70 ref.)

Determination of N-nitrosobis(2-hydroxypropyl)amine in environmental samples. Issenberg P, et al. **IARC Sci Publ** 1984;(57):43-50

Volatile N-nitrosamines in baby bottle rubber nipples and pacifiers. Analysis, occurrence and migration. Sen NP, et al. **IARC Sci Publ** 1984;(57):51-7

Biological monitoring in the metal working industry. Spiegelhalder B, et al. **IARC Sci Publ** 1984;(57):943-6

Volatile nitrosamine levels in rubber teats and pacifiers available in New Zealand. Weston RJ. **J Anal Toxicol** 1985 Mar-Apr;9(2):89-90

Determination of N-nitrosamines and N-nitrosamine precursors in rubber nipples from baby pacifiers by gas chromatography-thermal energy analysis. Thompson HC Jr, et al. **J Toxicol Environ Health** 1984;13(4-6):615-32

A new N-nitroso compound, N-2-methylpropyl-N-1-methylacetonyl-nitrosamine, in moldy millet and wheat flour. Ji C, et al. **Sci Sin [B]** 1984 Jun;27(6):601-9

Some nitrosoamino acids in bacon adipose tissue and their contribution to the total N-nitroso compound concentration. Tricker AR, et al. **Z Lebensm Unters Forsch** 1985 May;180(5):379-83

[Detection of nitrosamines in elastomers of pharmaceutic and dietary interest] el Assaf Z, et al. **Ann Pharm Fr** 1984; 42(4):301-11 (Eng. Abstr.) **(Fre)**

[Evaluation of an analysis instruction for the detection of volatile carcinogenic nitrosamines in foods with the instrumental combination of the gas chromatograph and thermal energy analyzer] Fritz W, et al. **Z Gesamte Hyg** 1984 Jul;30(7):400-2 (Eng. Abstr.) **(Ger)**

[Detection of volatile carcinogenic nitrosamines in foods with an instrumental combination of the gas chromatograph and thermal energy analyzer] Fritz W, et al. **Z Gesamte Hyg** 1984 Jul;30(7):396-9 (Eng. Abstr.) **(Ger)**

[Determination by capillary gas liquid chromatography of nitrosamine in partially altered food] Schettino O, et al. **Boll Soc Ital Biol Sper** 1984 Sep 30;60(9):1751-6 (Eng. Abstr.) **(Ita)**

[Volatile N-nitrosamines in sausage products] Karmysheva LF, et al. **Vopr Pitan** 1985 Jan-Feb;(1):51-4 (Eng. Abstr.) **(Rus)**

[Carcinogenic nitrosamine content of food products of the Moldavian SSR] Pimenova VV, et al. **Vopr Pitan** 1985 Mar-Apr;(2):58-62 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibitory effect of organic solvents on the mutagenicity of N-nitrosodialkylamines in Salmonella. Mori Y, et al. **Mutat Res** 1985 Apr;142(4):153-8

BIOSYNTHESIS

Screening of microorganisms for nitrosation catalysis at pH 7 and kinetic studies on nitrosamine formation from secondary amines by E. coli strains. Calmels S, et al. **Carcinogenesis** 1985 Jun;6(6):911-5

Is there a local production of nitrosamines by the vaginal microflora in anaerobic vaginosis/trichomoniasis? Pavić N. **Med Hypotheses** 1984 Dec;15(4):433-6 (16 ref.)

BLOOD

On the pharmacokinetics of tobacco-specific N-nitrosamines in Fischer rats. Adams JD, et al. **Carcinogenesis** 1985 Apr; 6(4):509-11

CHEMICAL SYNTHESIS

Nitrosation of peptides. Challis BC, et al. **IARC Sci Publ** 1984;(57):61-70

Formation of nitrosamines in non-ionic and anionic emulsions in the presence and absence of inhibitors. Kabacoff BL, et al. **IARC Sci Publ** 1984;(57):347-52

Ester-mediated nitrosamine formation from nitrite and secondary or tertiary amines. Loeppky RN, et al. **IARC Sci Publ** 1984;(57):353-63

ISOLATION & PURIFICATION

Identification and occurrence of two new N-nitrosamino acids in tobacco products: 3-(N-nitroso-N-methylamino)propionic acid and 4-(N-nitroso-N-methylamino)butyric acid. Ohshima H, et al. **Cancer Lett** 1985 Mar;26(2):153-62

METABOLISM

Relation between hepatic microsomal metabolism of N-nitrosamines and cytochrome P-450 species. Kawanishi T, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):919-24

DNA ethylation in target and non-target organs of hamsters and rats treated with diethylnitrosamine. Becker RA, et al. **Cancer Lett** 1985 Feb;26(1):17-24

Metabolic studies of 15N-labeled N-nitrosoproline in isolated rat hepatocytes and subcellular fractions. Koepke SR, et al. **Cancer Lett** 1985 Jul;27(3):277-83

Autoradiography of [14C]N-nitrosodiethanolamine in Sprague-Dawley rats. Löfberg B, et al. **Cancer Lett** 1985 Mar;26(2):129-37

Nitrosoproline formation in control and antibiotic-treated rats given nitrate and proline. Mallett AK, et al. **Cancer Lett** 1984 Dec;25(2):231-5

Kinetics of formation and persistence of ethylguanines in DNA of rats and hamsters treated with diethylnitrosamine. Becker RA, et al. **Cancer Res** 1985 May;45(5):2076-84

Major urinary metabolites in hamsters and rats treated with N-nitroso(2-hydroxypropyl)(2-oxopropyl)amine. Kokkinakis DM, et al. **Cancer Res** 1985 Aug;45(8):3586-92

Metabolism of N-nitroso-2,6-dimethylmorpholine by isozymes of rabbit liver microsomal cytochrome P-450. Kokkinakis DM, et al. **Cancer Res** 1985 Feb;45(2):619-24

Beta- to omega-hydroxylation of the esophageal carcinogen methyl-n-amylnitrosamine by the rat esophagus and related tissues. Mirvish SS, et al. **Cancer Res** 1985 Feb; 45(2):577-83

Inhibition of N-nitrosodiethylamine-induced respiratory tract carcinogenesis by piperonylbutoxide in hamsters. Schuller HM, et al. **Cancer Res** 1985 Jun;45(6):2807-12

Metabolism of nitrosamines by purified rabbit liver cytochrome P-450 isozymes. Yang CS, et al. **Cancer Res** 1985 Mar;45(3):1140-5

Effects of dietary indoles and isothiocyanates on N-nitrosodimethylamine and 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone alpha-hydroxylation and DNA methylation in rat liver. Chung FL, et al. **Carcinogenesis** 1985 Apr;6(4):539-43

N-Nitroso-2-hydroxymorpholine, a mutagenic metabolite of N-nitrosodiethanolamine. Hecht SS. **Carcinogenesis** 1984 Dec;5(12):1745-7

N-Nitroso-2-hydroxymorpholine, a mutagenic metabolite of N-nitrosodiethanolamine. Hecht SS. **Carcinogenesis** 1984 Dec;5(12):1745-7

Fluoro-substituted N-nitrosamines. 7. Non-genotoxic N-nitroso-bis(2,2,2-trifluoroethyl)amine and N-nitroso-bis(2,2,3,3,4,4,4-heptafluorobutyl)amine: binding to cytochrome P-450, acidity of alpha-protons and pharmacokinetic investigations. Janzowski C, et al. **Carcinogenesis** 1985 Jan;6(1):79-84

Mechanism of DNA methylation by N-nitroso(2-oxopropyl)propylamine. Leung KH, et al. **Carcinogenesis** 1985 Feb;6(2):189-91

Immunohistochemical localization of O6-ethyldeoxyguanosine and deoxyguanosin-8-yl-(acetyl)aminofluorene in liver sections of rats treated with diethylnitrosamine, ethylnitrosourea or N-acetylaminofluorene. Menkveld GJ, et al. **Carcinogenesis** 1985 Feb;6(2):263-70

Mutagenic activation of carcinogenic N-nitrosopropylamines by rat liver: evidence for a cytochrome P-450 dependent reaction. Mori Y, et al. **Carcinogenesis** 1985 Mar; 6(3):415-20

Distribution, metabolism and excretion of N-nitrosobis(2-hydroxypropyl)amine in Wistar rats. Mori Y, et al. **Carcinogenesis** 1984 Nov;5(11):1443-7

4-Chloro-6-methoxyindole is the precursor of a potent mutagen (4-chloro-6-methoxy-2-hydroxy-1-nitroso-indolin-3-one oxime) that forms during nitrosation of the fava bean (Vicia faba). Yang D, et al. **Carcinogenesis** 1984 Oct;5(10):1219-24

Oxidative dealkylation and reductive denitrosation of nitrosomethylaniline in vitro. Appel KE, et al. **Chem Biol Interact** 1985 Feb-Apr;53(1-2):69-76

Effect of chronic ethanol consumption on activation of nitrosopyrrolidine to a mutagen by rat upper alimentary tract, lung, and hepatic tissue. Farinati F, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):210-4

Detoxification of nitrosamides and nitrosocarbamates in blood plasma and tissue homogenates. Aukerman SL, et al. **Environ Mutagen** 1984;6(6):835-49

Mechanism of butylated hydroxytoluene-associated modification of diethylnitrosamine-induced squamous stomach carcinoma. Daugherty JP. **Food Chem Toxicol** 1984 Dec;22(12):951-61

Induction of tumours in rats by feeding nitrosatable amines together with sodium nitrite. Lijinsky W. **Food Chem Toxicol** 1984 Sep;22(9):715-20

Tissue specificity of N-nitrosomorpholine metabolism in

Sprague-Dawley rats. Löfberg B, et al. **Food Chem Toxicol** 1985 Jul;23(7):647-54

Association of nitrosamine-derived radioactivity with nuclear and mitochondrial DNA in mice. Daugherty JP, et al. **Gann** 1985 Mar;76(3):197-201

Alpha-hydroxylation and mutagenicity of unsymmetrical N-nitrosodialkylamines with a butyl group. Suzuki E, et al. **Gann** 1985 Mar;76(3):184-91

Metabolic fate of omega-1 and omega-2 oxidized N-nitrosodibutylamines in the rat. Suzuki E, et al. **Gann** 1985 Mar;76(3):173-83

Pharmacokinetics of tobacco-specific N-nitrosamines. Adams JD, et al. **IARC Sci Publ** 1984;(57):779-85

Experimental model for evaluating animal exposure to endogenous N-nitrosodi-n-butylamine by measuring its urinary metabolites N-butyl-N-(4-hydroxybutyl)-nitrosamine and N-butyl-N-(3-carboxypropyl)nitrosamine. Airoldi L, et al. **IARC Sci Publ** 1984;(57):237-40

Metabolic inactivation of N-nitrosamines by cytochrome P-450 in vitro and in vivo. Appel KE, et al. **IARC Sci Publ** 1984;(57):443-51

Nitrosation of piperazine in man. Bellander BT, et al. **IARC Sci Publ** 1984;(57):171-8

Studies on the excretion of endogenously formed N-nitrosoproline. I. Percutaneous excretion of N-nitrosoproline in humans. Bogovski PA, et al. **IARC Sci Publ** 1984;(57):199-204

Endogenous formation of N-nitrosoproline upon cigarette smoke inhalation. Brunnemann KD, et al. **IARC Sci Publ** 1984;(57):819-28

Role of the respiratory system in metabolism of N-nitrosamines after simultaneous application of disulfiram. Bürkle V, et al. **IARC Sci Publ** 1984;(57):533-41

Kinetics of DNA methylation by the tobacco-specific carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in F344 rats. Castonguay A, et al. **IARC Sci Publ** 1984;(57):805-10

Inhibition of target tissue activation of N'-nitrosonornicotine and N-nitrosopyrrolidine by dietary components. Chung FL, et al. **IARC Sci Publ** 1984;(57):797-804

Influence of disulfiram on the metabolism of N-nitrosodiethylamine. Frank N, et al. **IARC Sci Publ** 1984;(57):519-23

Evidence for penetration of the nuclear envelope by N-nitrosomethylhydroxymethylamine. Gold B, et al. **IARC Sci Publ** 1984;(57):453-8

Further factors influencing N-nitrosamine formation in bacon. Gray JI, et al. **IARC Sci Publ** 1984;(57):301-9

In-vivo nitrosation of amines in mice by inhaled nitrogen dioxide and inhibition of biosynthesis of N-nitrosamines. Iqbal ZM. **IARC Sci Publ** 1984;(57):291-300

Effects of fluorination on in-vitro metabolism and biological activity of N-nitrosodialkylamines. Janzowski C, et al. **IARC Sci Publ** 1984;(57):553-8

Quantitative measurement of the exhalation rate of volatile N-nitrosamines in inhalation experiments with anaesthetized Sprague-Dawley rats. Klein RG, et al. **IARC Sci Publ** 1984;(57):513-7

alpha-Hydroxylation of nitrogen-15 labelled N-nitrosamines by isolated hepatocytes. Koepke SR, et al. **IARC Sci Publ** 1984;(57):437-42

Increased endogenous nitrosation in smokers. Ladd KF, et al. **IARC Sci Publ** 1984;(57):811-7

Alternative bioactivation routes for beta-hydroxynitrosamines. Biochemical and chemical model studies. Loeppky RN, et al. **IARC Sci Publ** 1984;(57):429-36

Distribution and metabolism of N-nitrosobis(2-hydroxypropyl)amine in rats. Mori Y, et al. **IARC Sci Publ** 1984;(57):411-6

A sensitive new method for the detection of N-nitrosomorpholine formation in vivo. Morrison JB, et al. **IARC Sci Publ** 1984;(57):185-92

Comparative metabolism of beta-oxidized nitrosamines. Nagel D, et al. **IARC Sci Publ** 1984;(57):417-21

Effect of ascorbic acid and some reducing agents on N-nitrosopiperidine metabolism by liver microsomes. Nakamura M, et al. **IARC Sci Publ** 1984;(57):547-52

Comparative metabolism of N-nitrosamines in relation to their organ and species specificity. Okada M. **IARC Sci Publ** 1984;(57):401-9 (45 ref.)

Urinary metabolites of some alicyclic nitrosamines. Singer GM, et al. **IARC Sci Publ** 1984;(57):459-63

The blocking effects of Chinese Actinidia sinensis juice on N-nitrosamine formation in vitro and in vivo. Song P, et al. **IARC Sci Publ** 1984;(57):231-5

Effect of ethanol on nitrosamine metabolism and distribution. Implications for the role of nitrosamines in human cancer and for the influence of alcohol consumption on cancer incidence. Swann PF. **IARC Sci Publ** 1984;(57):501-12

Fate of the tobacco-specific carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone in pregnant and newborn C57BL mice. Tjälve H, et al. **IARC Sci Publ** 1984;(57):787-96

N-nitrosoproline excretion in urine, faeces and milk from cows in relation to feed composition. van Broekhoven LW, et al. **IARC Sci Publ** 1984;(57):205-12

A study of betel quid carcinogenesis. II. Formation of N-nitrosamines during betel quid chewing. Wenke G, et al. **IARC Sci Publ** 1984;(57):859-66

Metabolism of nitrosamines by cytochrome P-450 isozymes. Yang CS, et al. **IARC Sci Publ** 1984;(57):423-8

Generation of nitric oxide by enzymatic oxidation of N-hydroxy-N-nitrosamines. Alston TA, et al. **J Biol Chem** 1985 Apr 10;260(7):4069-74

Effects of disulfiram on the metabolism of nitrosodiethylamine during liver carcinogenesis. Hadjiolov D, et al. **J Cancer Res Clin Oncol** 1984;108(3):281-5

In vivo formation of nitrosocarbamates in the stomach of rats and guinea pigs. Rickard RW, et al. **J Toxicol Environ Health** 1984;14(2-3):279-90

In vitro and in vivo formation of 7-(2'-carboxyethyl)guanine from the liver carcinogen 1-nitroso-5,6-dihydrouracil and its reactions with water and methanol. Mirvish SS, et al. **JNCI** 1985 May;74(5):1105-10

Microautoradiographic localization of bound metabolites in the nasal cavities of F344 rats treated with the tobacco-specific carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Tjälve H, et al. **JNCI** 1985 Jan;74(1):185-9

Effects of riboflavin deficiency on metabolism of nitrosamines by rat liver microsomes. Wang T, et al. **JNCI** 1985 Jun;74(6):1291-7

Mutagenic activation of dialkylnitrosamines by intact urothelial cells. Moore CM, et al. **Mutat Res** 1985 Jul;157(1):95-105

N-nitrosodialkylamines do not function as substrates for liver monoamine oxidase. Edmondson DE, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):682-3

Nutrition and nitrosamine formation. Challis BC. **Proc Nutr Soc** 1985 Feb;44(1):95-100 (41 ref.)

Theoretical investigation of possible intermediates in chemical carcinogenesis by N-nitrosamines. Reynolds CA, et al. **Prog Clin Biol Res** 1985;172A:239-48

Formation of N-mononitrosopiperazine in the stomach and its excretion in the urine after oral intake of piperazine. Bellander T, et al. **Toxicol Appl Pharmacol** 1985 Sep 15;80(2):193-8

The half-lives of alkylating intermediates from diethylnitrosamine and N-nitrosopyrrolidine: a method for the measurement of metabolically generated reactive species. Keenan TH, et al. **Toxicol Appl Pharmacol** 1985 Apr;78(2):316-20

Denitrosation of diphenylnitrosamine in vivo. Appel KE, et al. **Toxicol Lett** 1984 Dec;23(3):353-8

The possible role of nitrosamines in the link between alcohol consumption and esophageal cancer in man. Swann PF. **Toxicol Pathol** 1984;12(4):357-60

Formation and metabolism of nitrosamines in vivo, monitored by 14N-stable isotope labelling. Frank H, et al. **Xenobiotica** 1985 Jan;15(1):77-86

[Influence of ranitidine during a 24-hour period on the level of nitrites, nitrates, nitrosamines and bacterial flora in the gastric juice of healthy subjects] Garcia del Risco F, et al. **Gastroenterol Clin Biol** 1984 Oct;8(10):749-53 (Eng. Abstr.) **(Fre)**

[The in vivo formation of mutagenic N-nitroso compounds from methamphetamine and ephedrine] Shimizu H, et al. **Nippon Eiseigaku Zasshi** 1984 Jun;39(2):573-80 (Eng. Abstr.) **(Jpn)**

[Effect of butylhydroxytoluene on metabolic activation and inactivation of diethylnitrosamine in liver microsomes of rats] Koen IaM, et al. **Dokl Akad Nauk SSSR** 1985 May-Jun;282(1):203-6 **(Rus)**

PHARMACODYNAMICS

Effects of carbon tetrachloride and azathioprine on diethylnitrosamine and N-2-fluorenylacetamide-induced hyperplastic liver nodule and hepatocellular carcinoma. Sakata T. **Acta Med Okayama** 1984 Dec;38(6):511-24

The effect of N-nitrosobis(2-hydroxypropyl)amine on pulmonary neuroepithelial cells in Syrian golden hamsters. Tateishi R, et al. **Am J Pathol** 1985 May;119(2):326-35

Squamous-cell carcinoma of the lung. NHMI-induced squamous-cell carcinoma in the lungs of rats. Taylor HW, et al. **Am J Pathol** 1985 Apr;119(1):168-70

Alkylation of amide linkages and cleavage of the C chain in the enzyme-activated-substrate inhibition of alpha-chymotrypsin with N-nitrosamides. Donadio S, et al. **Biochemistry** 1985 May 7;24(10):2447-58

Carcinogenic effect of nitrosoalkylureas and nitrosoalkylcarbamates in Syrian hamsters. Lijinsky W, et al. **Cancer Res** 1985 Feb;45(2):542-5

Effects of N-nitrosomorpholine and phenobarbital on UDP-glucuronyltransferase in putative preneoplastic foci of rat liver. Fischer G, et al. **Carcinogenesis** 1985 Apr;6(4):605-9

Differential repair of O4-alkylthymidine following exposure to methylating and ethylating hepatocarcinogens. Richardson FC, et al. **Carcinogenesis** 1985 Apr;6(4):625-9

Saturation of repair system for O6-methylguanine in rat liver DNA by pretreatment with cyclic nitrosamines. Pegg AE, et al. **Chem Biol Interact** 1984 Oct;51(3):365-70

Induction of repair synthesis of DNA in primary cultures of rat urothelial cells by derivatives of the bladder carcinogen, N-n-butyl-N-(4-hydroxybutyl)nitrosamine. Wang CY, et al. **Chem Biol Interact** 1985 Feb-Apr;53(1-2):99-105

Modification of circadian rhythms of drug metabolism in the Syrian hamster. Birt DF, et al. **Drug Nutr Interact** 1982;1(2):143-51

The effects of soy flour and N-nitrosobis (2-oxopropyl) amine on the pancreas of the hamster. Hasdai A, et al. **Drug Nutr Interact** 1985;3(3):173-9

Analysis of translation products synthesized in isolated rat hepatocytes treated with diethylnitrosamine. Delpino A, et al. **Experientia** 1984 Dec 15;40(12):1377-9

Carcinogenicity and metabolic activation of tobacco-specific nitrosamines: current status and future prospects. Hecht SS, et al. **IARC Sci Publ** 1984;(57):763-78 (51 ref.)

Genetic activity in yeast assays of reputed nonmutagenic, carcinogenic N-nitroso compounds and methapyrilene hydrochloride. Mehta RD, et al. **IARC Sci Publ** 1984;(57):721-9

Mutagenicity of alpha-hydroxy N-nitrosamines in V79 Chinese hamster cells. Mochizuki M, et al. **IARC Sci Publ** 1984;(57):715-9

Increase in Ca2+ (Mg2+)-ATPase activity induced by a molsidomine derivative (SIN-1 A) and nitroglycerin in microsomal fraction of guinea-pig thoracic aorta. Sugimoto J, et al. **Jpn Circ J** 1984 Oct;48(10):1091-6

The quantitative structure-activity relationship approach to the mutagenicity of N-nitrosomethylaniline compounds. Jinno K. **Mutat Res** 1984 Nov-Dec;141(3-4):141-3

Serum and hepatic enzyme activity in rats treated with diethylnitrosamine. Giuliani ER, et al. **Toxicol Pathol** 1983;11(1):23-7

[Effect of N-nitrosodiethylamine on the liver cells of chick embryos in primary culture] Krystev LP, et al. **Eksp Onkol** 1985;7(1):24-6 (Eng. Abstr.) **(Rus)**

POISONING

The influence of metabolic liver defects on diethylnitrosamine (NDEA)-carcinogenesis in Gunn rats. Althoff J, et al. **Exp Pathol** 1985;27(3):171-8

[Interaction with cytochrome P-450 as one of the mechanisms of protective action of 3-hydroxypyridines in the diethylnitrosamine poisoning of animals.] Shuliakovskaia TS, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Nov-Dec;(6):950-3 (Eng. Abstr.) **(Rus)**

TOXICITY

Experimental studies on carcinogenesis in the nasal mucosa. Drettner B, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):205-7

Effects of wood dust exposure and diethylnitrosamine. A pilot study in Syrian golden hamsters. Wilhelmsson B, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):160-71

Pancreatic carcinogenesis-enhancement by cholecystokinin in the hamster-nitrosamine model. Howatson AG, et al. **Br J Cancer** 1985 Jan;51(1):107-14

Effects of intravesical instillation of antitumor chemotherapeutic agents on bladder carcinogenesis in rats treated with N-butyl-N-(4-hydroxybutyl)nitrosamine. Ohtani M, et al. **Cancer** 1984 Oct 15;54(8):1525-9

Nicotine: a precursor for carcinogens. Hoffmann D, et al. **Cancer Lett** 1985 Feb;26(1):67-75

Comparison of liver tumor frequencies after intermittent oral administration of different doses of N-nitrosopyrrolidine in Sprague-Dawley rats. Hoos A, et al. **Cancer Lett** 1985 Feb;26(1):77-82

The carcinogenic effect of bis-(2-oxopropyl)-nitrosamine on Sprague-Dawley rats. Ketkar MB, et al. **Cancer Lett** 1984 Aug;24(1):73-9

Carcinogenicity of N-nitrosobis (2-hydroxypropyl) amine after administration to Syrian hamster skin. Pour PM, et al. **Cancer Lett** 1985 Jul;27(3):305-8

Enhancement of N-bis(2-hydroxypropyl)nitrosamine-initiated lung tumor development in rats by bleomycin and N-methyl-N-nitrosourethane. Shirai T, et al. **Cancer Lett** 1984 Nov;25(1):25-31

Comparative study on the carcinogenicity of N-nitrosodiethylamine and benzo[a]pyrene to the lung of Syrian golden hamsters induced by intermittent instillations to the trachea. Yamamoto A, et al. **Cancer Lett** 1985 Jan;25(3):271-6

Carcinogenicity in rats of the nitrosated bile acid conjugates N-nitrosoglycocholic acid and N-nitrosotaurocholic acid. Busby WF Jr, et al. **Cancer Res** 1985 Mar;45(3):1367-71

Sex differential and dose dependence of phenobarbital-promoting activity in N-bis(2-hydroxypropyl)nitrosamine-initiated thyroid tumorigenesis in rats. Hiasa Y, et al. **Cancer Res** 1985 Sep;45(9):4087-90

Nicotine-derived N-nitrosamines and tobacco-related cancer: current status and future directions. Hoffmann D, et al. **Cancer Res** 1985 Mar;45(3):935-44 (99 ref.)

The role of DNA-repair processes in N-nitrosopyrrolidine-induced mutagenesis. Alldrick AJ, et al. **Carcinogenesis** 1985 Jan;6(1):105-8

Measurement of O6-methyldeoxyguanosine in DNA methylated by the tobacco-specific carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone using a biotin-avidin enzyme-linked immunosorbent assay. Foiles PG, et al. **Carcinogenesis** 1985 Jul;6(7):989-93

The quantitative analysis and stability of histochemical markers of altered hepatic foci in rat liver following initiation by diethylnitrosamine administration and promotion with phenobarbital. Goldsworthy TL, et al. **Carcinogenesis** 1985 Sep;6(9):1261-9

Carcinogenic effect of N-nitrosobis (2-oxopropyl)amine in newborn rats. Rao MS, et al. **Carcinogenesis** 1985 Sep;6(9):1395-7

The effect of 3-methyl substitution on the carcinogenicity of nitroso-4-piperidone. Singer GM, et al. **Carcinogenesis** 1984 Oct;5(10):1351-3

Mutagenicity studies on N-nitrosated products of the Maillard browning reaction: N-nitroso-fructose-amino acids. Pool BL, et al. **Food Chem Toxicol** 1984 Oct; 22(10):797-801

Modifying potential of thirty-one chemicals on the short-term development of gamma-glutamyl transpeptidase-positive foci in diethylnitrosamine-initiated rat liver. Tsuda H, et al. **Gann** 1984 Oct;75(10):876-83

Influence of ethyl alcohol on carcinogenesis induced with N-nitrosodiethylamine. Griciutė L, et al. **IARC Sci Publ** 1984;(56):413-7

Promoting effect of phenobarbital on N-bis (2-hydroxypropyl)nitrosamine thyroid tumorigenesis in rats. Effect of varying duration of exposure to phenobarbital. Hiasa Y, et al. **IARC Sci Publ** 1984; (56):77-82

Alterations of markers during hepatocarcinogenesis in rats. Lapis K, et al. **IARC Sci Publ** 1984;(56):25-36

Relationship of histochemically detectable altered hepatocyte foci to hepatic tumorigenesis. Peraino C, et al. **IARC Sci Publ** 1984;(56):37-55

Nitrosamine carcinogenesis in 5120 rodents: chronic administration of sixteen different concentrations of NDEA, NDMA, NPYR and NPIP in the water of 4440 inbred rats, with parallel studies on NDEA alone of the effect of age of starting (3, 6 or 20 weeks) and of species (rats, mice or hamsters). Peto R, et al. **IARC Sci Publ** 1984; (57):627-65

Pancreatic carcinogenic nitrosamines in Syrian hamsters. Pour PM, et al. **IARC Sci Publ** 1984;(57):683-8

Initiation-promotion-initiation. Induction of neoplastic foci within islands of precancerous liver cells in the rat. Scherer E, et al. **IARC Sci Publ** 1984;(56):57-66

Carcinogenic activity of N-nitrosodiethylamine in snakes (Python reticulatus, Schneider). Schmähl D, et al. **IARC Sci Publ** 1984;(57):677-82

A CT technique to evaluate the development of carcinogen-induced neoplasia in the rat liver. Silverman PM, et al. **Invest Radiol** 1985 May-Jun;20(3):267-71

Comparative study on the carcinogenicity of N-nitroso-2,6-dimethylmorpholine in the European hamster. Althoff J, et al. **J Cancer Res Clin Oncol** 1985; 109(3):183-7

Influence of a prolonged treatment with disulfiram and D(-)penicillamine on nitrosodiethylamine-induced biological and biochemical effects in rats. I. Investigations on the drug metabolizing system. Bertram B, et al. **J Cancer Res Clin Oncol** 1985;109(1):9-15

Carcinogenesis by oxygenated nitrosomethylpropylamines in Syrian hamsters. Lijinsky W, et al. **J Cancer Res Clin Oncol** 1985;109(1):1-4

Mutagenicity of alpha-hydroxy N-nitrosamines in V79 Chinese hamster cells. Mochizuki M, et al. **J Cancer Res Clin Oncol** 1984;108(3):290-5

Selective induction of nasal cavity tumors in rats by diallylnitrosamine. Pour PM, et al. **J Cancer Res Clin Oncol** 1985;109(1):5-8

Influence of a prolonged treatment with disulfiram and D-penicillamine on nitrosodiethylamine-induced biological and biochemical effects. II. Investigations on trace elements in the liver. Schuhmacher J, et al. **J Cancer Res Clin Oncol** 1985;109(1):16-22

Comparison of the acute toxicities of N-nitrosothiazolidine and N-nitrosomorpholine. Nishie K, et al. **J Toxicol Environ Health** 1984;13(4-6):595-608

Diffuse papillomatosis of rat urinary bladder occurring in association with vesical calculi. Oyasu R, et al. **J Urol** 1984 Nov;132(5):1012-5

Effects of the interaction of dietary fat and protein on N-nitrosobis(2-oxopropyl)amine-induced carcinogenesis and spontaneous lesions in Syrian golden hamsters. Birt DF, et al. **JNCI** 1985 May;74(5):1121-7

Strain and sex differences in N-nitrosohexamethyleneimine carcinogenesis in NZB, NZC, NZO, and NZY mice. Goodall CM, et al. **JNCI** 1984 Nov;73(5):1215-8

Carcinogenicity of diallylnitrosamine following intragastric administration to Syrian hamsters. Grandjean CJ, et al. **JNCI** 1985 May;74(5):1043-6

Profound postinitiation enhancement by short-term severe methionine, choline, vitamin B12, and folate deficiency of hepatocarcinogenesis in F344 rats given a single low-dose diethylnitrosamine injection. Hoover KL, et al. **JNCI** 1984 Dec;73(6):1327-36

Comparative carcinogenesis by hydroxylated nitrosopropylamines in Syrian hamsters. Lijinsky W, et al. **JNCI** 1985 Apr;74(4):923-6

Enhancement of pancreatic carcinogenesis by a dietary unsaturated fat in rats treated with saline or N-nitroso(2-hydroxypropyl)(2-oxopropyl)amine. Longnecker DS, et al. **JNCI** 1985 Jan;74(1):219-22

Induction of pancreatic carcinomas in rats with N-nitroso(2-hydroxypropyl)(2-oxopropyl)amine: histopathology. Longnecker DS, et al. **JNCI** 1985 Jan; 74(1):209-17

Hepatocarcinogenicity of diethylnitrosamine to the self-fertilizing hermaphroditic fish Rivulus marmoratus (Teleostomi: Cyprinodontidae). Park EH, et al. **JNCI** 1984 Oct;73(4):871-6

The effects of S9 mix from rat oesophagus, salivary gland, and liver on the mutagenicity of the rat oesophageal carcinogen N-nitroso-N-methylaniline in the Salmonella typhimurium assay. Anderson D, et al. **Mutat Res** 1985 Jan-Feb;142(1-2):13-8

Tissue-specific inhibition of [3H]thymidine incorporation into DNA by carcinogenic N-nitrosamines. Hellman B, et al. **Mutat Res** 1985 May;149(3):495-503

Mutagenicity of cadmium in Salmonella typhimurium and its synergism with two nitrosamines. Mandel R, et al. **Mutat Res** 1984 Oct;138(1):9-16

Mutagenicity arising from near-ultraviolet irradiation of N-nitrosomorpholine. Shimada H, et al. **Mutat Res** 1985 Jul;143(3):165-8

A model of bile duct hyperplasia in the rat induced by diethylnitrosamine and selective cytotoxicity. Smith GJ, et al. **Pathology** 1984 Oct;16(4):396-400

Genetic activity of the carcinogen N-nitrosodiethanolamine (NDELA) on unstable mutant alleles of the white locus in Drosophila melanogaster. Fahmy MJ, et al. **Teratogenesis Carcinog Mutagen** 1984;4(5):437-47

Cataracts in rats given a bladder carcinogen, N-butyl-N-(4-hydroxybutyl)-nitrosamine. Fujita J, et al. **Tokai J Exp Clin Med** 1983 Nov;8(4):359-63

The mutagenic properties of N-nitrosopeptides in the Ames test. Challis BC, et al. **Toxicol Lett** 1985 Aug;26(2-3):89-93

Carcinogenesis by N-nitrosohexamethyleneimine in NZO inbred mice. Goodall CM, et al. **Toxicology** 1984 Dec; 33(3-4):251-9

[Sensitivity of hepatocytes to the effect of factors stimulating and suppressing cell proliferation in hepatocarcinogenesis] Osipova LA. **Eksp Onkol** 1984;6(2):23-6 (Eng. Abstr.) **(Rus)**

[Biosynthesis of DNA and RNA in the liver under conditions of deficient nutrition and exposure to N-nitrosopiperidine] Sharmanov TSh, et al. **Vopr Med Khim** 1984 Jul-Aug; 30(4):42-6 (Eng. Abstr.) **(Rus)**

[Cytophotometric study of the DNA content of the liver of rats poisoned with N-nitrosomorpholine] Callaghan R, et al. **Rev Esp Oncol** 1982;29(3):423-7 (Eng. Abstr.) **(Spa)**

URINE

Bladder freeze ulceration and sodium saccharin feeding in the rat: examination for urinary nitrosamines, mutagens and bacteria, and effects on hepatic microsomal enzymes. Hasegawa R, et al. **Food Chem Toxicol** 1984 Dec; 22(12):935-42

Experimental model for evaluating animal exposure to endogenous N-nitrosodi-n-butylamine by measuring its urinary metabolites N-butyl-N-(4-hydroxybutyl)-nitrosamine and N-butyl-N-(3-carboxypropyl)nitrosamine. Airoldi L, et al. **IARC Sci Publ** 1984;(57):237-40

Effect of H2 blockers on intragastric nitrosation as measured by 24-hour urinary secretion of N-nitrosoproline. Elder JB, et al. **IARC Sci Publ** 1984;(57):969-74

N-nitrosoproline in urine from patients and healthy volunteers after administration of large amounts of nitrate. Ellen G, et al. **IARC Sci Publ** 1984;(57):193-8

Conjugates of N-nitroso-tert-butylmethylamine in urine. Wiessler M, et al. **IARC Sci Publ** 1984;(57):465-71

NITROSO COMPOUNDS

Glutathione conjugation of arylnitroso compound: detection and monitoring labile intermediates in situ inside a fast atom bombardment mass spectrometer. Saito K, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):1-5

The nitrosyl compounds of ferrous animal haloperoxidases. Bolscher BG, et al. **Biochim Biophys Acta** 1984 Nov 23; 791(1):75-81

Formation of nitrosoiminodialkanoic acids during the nitrosation of peptides. Pollock JR. **Food Chem Toxicol** 1985 Jul;23(7):701-4

Kinetics of nitrosation of thioproline, the precursor of a major nitroso compound in human urine, and its role as a nitrite scavenger. Tahira T, et al. **Gann** 1984 Oct;75(10):889-94

N-nitroso compounds: occurrence, biological effects and relevance to human cancer. Proceedings of the VIIIth International Symposium on N-Nitroso Compounds. Banff, Canada, 5-9 September 1983. **IARC Sci Publ** 1984; (57):1-1011

Nitrosating properties of bis-methylthio-diiron-tetranitrosyl (Roussin's red methyl ester), a nitroso compound isolated from pickled vegetables consumed in northern China. Croisy A, et al. **IARC Sci Publ** 1984;(57):327-35

Destruction of carcinogenic and mutagenic N-nitrosamides in laboratory wastes. Lunn G, et al. **IARC Sci Publ** 1984; (57):387-98

Decomposition N-nitrosohydroxyalkylureas and N-nitrosooxazolidones in aqueous buffer. Singer SS. **IARC Sci Publ** 1984;(57):371-5

Nitroso derivatives of harman and norharman--their formation, characterization and mutagenicity. Nagalakshmi C, et al. **Indian J Exp Biol** 1984 Feb;22(2):84-7

ADMINISTRATION & DOSAGE

Skin tumours induced by local and systemic action of N-nitroso-compounds in rats. Zabezhinski MA, et al. **Arch Geschwulstforsch** 1985;55(2):117-22

ADVERSE EFFECTS

Genotoxicity of N-nitrosothiazolidine in microbial and hepatocellular test systems. Loury DJ, et al. **Food Chem Toxicol** 1984 Dec;22(12):1013-4

Recent studies on N-nitroso compounds as possible etiological factors in oesophageal cancer. Lu SH, et al. **IARC Sci Publ** 1984;(57):947-53

N-nitroso compounds and human intracranial tumours. Preston-Martin S, et al. **IARC Sci Publ** 1984;(57):887-94

Occurrence and exposure to N-nitroso compounds and precursors. Preussmann R. **IARC Sci Publ** 1984;(57):3-15 (65 ref.)

ANALYSIS

Studies in gastric carcinogenesis. II. Absence of elevated concentrations of N-nitroso compounds in the gastric juice of Greek hypochlorhydric individuals. Kyrtopoulos SA, et al. **Carcinogenesis** 1985 Aug;6(8):1135-40

Tobacco-specific and betel nut-specific N-nitroso compounds: occurrence in saliva and urine of betel quid chewers and formation in vitro by nitrosation of betel quid. Nair J, et al. **Carcinogenesis** 1985 Feb;6(2):295-303

The application of a chemical denitrosation and chemiluminescence detection procedure for estimation of the apparent concentration of total N-nitroso compounds in foods and beverages. Massey RC, et al. **Food Addit Contam** 1984 Jan-Mar;1(1):11-6

Total N-nitroso group analysis of foods. II. Further studies on the precision and sensitivity of the assay. Massey RC, et al. **Food Addit Contam** 1984 Jul-Sep;1(3):237-44

Incidence of some non-volatile N-nitroso compounds in cured meats. Tricker AR, et al. **Food Addit Contam** 1984 Jul-Sep;1(3):245-52

A new Thermal Energy Analyzer for direct high-performance liquid chromatographic and gas chromatographic analysis of N-nitrosamides. Fine DH, et al. **IARC Sci Publ** 1984;(57):121-9

Analysis and occurrence of total N-nitroso compounds in the Japanese diet. Kawabata T, et al. **IARC Sci Publ** 1984; (57):25-31

Nonvolatile N-nitrosamine investigations: methods for the determination of N-nitrosoamino acids and preliminary results of the development of a method for the determination of N-nitrosodipeptides N-terminal in proline. Kubacki SJ, et al. **IARC Sci Publ** 1984;(57):145-58

N-nitrosamine analysis in foods: N-nitrosoamino acids by high-performance liquid chromatography/thermal energy analysis and total N-nitroso compounds by chemical denitrosation/thermal energy analysis. Massey RC, et al. **IARC Sci Publ** 1984;(57):131-6

Amadori- and N-nitroso-Amadori compounds and their pyrolysis products. Chemical, analytical and biological aspects. Röper H, et al. **IARC Sci Publ** 1984;(57):101-11

On-line combination of high-performance liquid chromatography and total N-nitroso determination apparatus for the determination of N-nitrosamides and other N-nitroso compounds, and some recent data on the levels of N-nitrosoproline in foods and beverages. Sen NP, et al. **IARC Sci Publ** 1984;(57):137-43

Pitfalls to avoid in determining N-nitroso compounds as a group. Walters CL, et al. **IARC Sci Publ** 1984;(57):113-20

Some nitrosoamino acids in bacon adipose tissue and their contribution to the total N-nitroso compound concentration. Tricker AR, et al. **Z Lebensm Unters Forsch** 1985 May;180(5):379-83

[Harmful substances in cigarette smoke] Czerwiecki L. **Rocz Panstw Zakl Hig** 1984;35(3):233-8 (Eng. Abstr.) **(Pol)**

[Content of nitroso compounds in fish from the central Ob River region] Bychkov VG, et al. **Gig Sanit** 1985 Jun; (6):70-1 **(Rus)**

[Content of carcinogenic nitroso compounds in food products] Pimenova VV, et al. **Vopr Pitan** 1985 May-Jun; (3):66-70 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Food inhibitors of the formation of carcinogenic nitroso compounds] Rubenchik BL, et al. **Vopr Pitan** 1985 Jan-Feb; (1):48-51 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Effect of nontoxic inhibitors on the nitrosation of drugs under conditions simulating the human stomach] Ziebarth D, et al. **Arch Geschwulstforsch** 1985;55(2):81-91 (Eng. Abstr.) **(Ger)**

BLOOD

Enzymatic inactivation of N-nitroso compounds in murine blood plasma. Brundrett RB, et al. **Cancer Res** 1985 Mar; 45(3):1000-4

CHEMICAL SYNTHESIS

Photochemical nitrosation of phenol in aqueous nitrite solution. Suzuki J, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2803-8

Nitrosamide carcinogenesis: nitrosation of amide linkages and facile decomposition of resulting nitrosamides. Chow YL, et al. **IARC Sci Publ** 1984;(57):317-25

Nitrosation by alkyl nitrites. Catalysis by inorganic salts. Dabora R, et al. **IARC Sci Publ** 1984;(57):311-6

READEX FICHE

Characterization of alkyldinitrogen species implicated in the carcinogenic, mutagenic and anticancer activities of N-nitroso compounds. Lown JW, et al. **IARC Sci Publ** 1984;(57):689-93

Application of difference spectrophotometry to the nitrosation reaction in the assay of certain antipyretic drugs. el Kheir AA, et al. **Pharmazie** 1985 Jan;40(1):62

METABOLISM

Intragastric bacterial activity and nitrosation before, during, and after treatment with omeprazole. Sharma BK, et al. **Br Med J [Clin Res]** 1984 Sep 22;289(6447):717-9

Studies in gastric carcinogenesis. III. The kinetics of nitrosation of gastric-juice components in vitro and their implications for the in vivo formation of N-nitroso compounds in normal and in hypochlorhydric populations. Kyrtopoulos SA, et al. **Carcinogenesis** 1985 Aug; 6(8):1141-5

The action of alpha-ketoglutarate dehydrogenase on 4-chloronitrosobenzene: evidence for species-dependent differences in active site properties. Doerge DR, et al. **Comp Biochem Physiol [C]** 1985;80(1):161-5

Detoxification of nitrosamides and nitrosocarbamates in blood plasma and tissue homogenates. Aukerman SL, et al. **Environ Mutagen** 1984;6(6):835-49

Catalysis and inhibition of N-nitrosation reactions. Archer MC. **IARC Sci Publ** 1984;(57):263-74 (80 ref.)

In-vivo nitrosation, precancerous lesions and cancers of the gastrointestinal tract. On-going studies and preliminary results. Bartsch H, et al. **IARC Sci Publ** 1984;(57):955-62

Nitrosating properties of bis-methylthio-diiron-tetranitrosyl (Roussin's red methyl ester), a nitroso compound isolated from pickled vegetables consumed in northern China. Croisy A, et al. **IARC Sci Publ** 1984;(57):327-35

Animal feeding study with nitrite-treated meat. Olsen P, et al. **IARC Sci Publ** 1984;(57):667-75

Production of N-nitrosoiminodialkanoic acids by nitrite in gastric juice. Outram JR, et al. **IARC Sci Publ** 1984; (57):71-6

Effect of gastric surgery for benign peptic ulcer and ascorbic acid therapy on concentrations of nitrite and N-nitroso compounds in gastric juice. Reed PI, et al. **IARC Sci Publ** 1984;(57):975-9

Analysis for and intestinal metabolism of precursor nitroso compounds in normal subjects and in patients with chronic renal failure. Simenhoff ML, et al. **IARC Sci Publ** 1984; (57):161-70

Dietary phenolics and betel nut extracts as modifiers of N-nitrosation in rat and man. Stich HF, et al. **IARC Sci Publ** 1984;(57):213-22

Modulation of endogenous synthesis of N-nitrosamino acids in humans. Wagner DA, et al. **IARC Sci Publ** 1984; (57):223-9

PHARMACODYNAMICS

High-affinity monoclonal antibodies for the specific recognition and quantification of deoxynucleosides structurally modified by N-nitroso compounds. Adamkiewicz J, et al. **IARC Sci Publ** 1984;(57):581-7

Genetic and biochemical factors affecting the induction of bacteriophage lambda by N-nitroso compounds. Elespuru RK, et al. **IARC Sci Publ** 1984;(57):731-9

Properties of the O6-alkylguanine-DNA repair system of mammalian cells. Pegg AE. **IARC Sci Publ** 1984; (57):575-80

Enzymology of repair of DNA adducts produced by N-nitroso compounds. Setlow RB, et al. **IARC Sci Publ** 1984;(57):561-70 (50 ref.)

Mutagenesis by N-nitroso compounds in Salmonella typhimurium TA102 and TA104: evidence for premutagenic adenine or thymine DNA adducts. Guttenplan JB, et al. **Mutat Res** 1984 Nov-Dec; 141(3-4):153-9

Teratogenicity in vitro of two deacetylated metabolites of N-hydroxy-2-acetylaminofluorene. Faustman-Watts EM, et al. **Toxicol Appl Pharmacol** 1984 Oct;76(1):161-71

[Hypotensive activity of the nitrosyl complexes of nonheme iron with different anionic ligands] Vanin AF, et al. **Dokl Akad Nauk SSSR** 1985;281(3):742-5 **(Rus)**

[Interaction of different N-nitroso compounds with DNA in vitro] Iamshanov VA. **Eksp Onkol** 1985;7(1):22-4 (Eng. Abstr.) **(Rus)**

POISONING

N-Nitroso compounds and human cancer. A molecular epidemiologic approach. Choi BC. **Am J Epidemiol** 1985 May;121(5):737-43

TOXICITY

The influence of 1-(N-L-tryptophan)-1-deoxy-D-fructose [Fru-Trp] and its N-nitrosated analogue [NO-Fru-Trp] on the viability and intracellular synthetic activity (DNA, RNA, and protein synthesis) of HeLa S3-carcinoma cells. Gruenwedel DW, et al. **Adv Exp Med Biol** 1984;177:269-85

Investigation on the mutagenicity of N-nitrosothiazolidine using the Ames Salmonella test. Fiddler W, et al. **IARC Sci Publ** 1984;(57):95-100

Contrasting responses of rats and Syrian hamsters to orally administered N-nitroso compounds. Lijinsky W. **IARC Sci Publ** 1984;(57):617-26

Mutagenicity of various Japanese foodstuffs treated with nitrite. II. Directly-acting mutagens produced from N-containing compounds in foodstuffs. Tomita I, et al. **IARC Sci Publ** 1984;(57):33-41

Formation of DNA-damaging nitroso compounds by interaction of drugs with nitrite. A preliminary screening for detecting potentially hazardous drugs. Brambilla G, et al. **J Toxicol Environ Health** 1985;15(1):1-24

Comparison of the acute toxicities of N-nitrosothiazolidine and N-nitrosomorpholine. Nishie K, et al. **J Toxicol Environ Health** 1984;13(4-6):595-608

Induction of sister-chromatid exchanges by N-nitrosocimetidine in cultured human lymphocytes and its inhibition by chemical compounds. Inoue K, et al. **Mutat Res** 1985 Apr-May;156(1-2):117-21

Apparent mutagenicity of N-nitrosothiazolidine caused by a trace contaminant. Miller AJ, et al. **Mutat Res** 1985 Aug-Sep;157(2-3):129-34

Photochemical oxidation of 2-aminofluorene: correlation between the induction of direct-acting mutagenicity and the formation of nitro and nitroso aromatics. Strniste GF, et al. **Mutat Res** 1985 Aug;151(1):15-24

In vitro mutagenicity of rubber chemicals and their nitrosation products. Crebelli R, et al. **Toxicol Lett** 1984 Dec;23(3):307-13

URINE

Effect of H2 blockers on intragastric nitrosation as measured by 24-hour urinary secretion of N-nitrosoproline. Elder JB, et al. **IARC Sci Publ** 1984;(57):969-74

Presence in human urine of new sulfur-containing N-nitrosamino acids: N-nitrosothiazolidine 4-carboxylic acid and N-nitroso 2-methylthiazolidine 4-carboxylic acid. Ohshima H, et al. **IARC Sci Publ** 1984;(57):77-85

A new type of N-nitrosamino acid, N-nitroso-L-thioproline and N-nitroso-L-methylthioprolines, found in human urine as major N-nitroso compounds. Tsuda M, et al. **IARC Sci Publ** 1984;(57):87-94

NITROSODIMETHYLAMINE see **DIMETHYLNITROSAMINE**

NITROSOGUANIDINES

ADVERSE EFFECTS

[Elective occurrence of glioblastoma during research laboratory handling of nitrosoguanidine derivatives (letter)] Pleven C. **Presse Med** 1984 Oct 20;13(37):2268 **(Fre)**

CHEMICAL SYNTHESIS

[Synthesis of 3-nitro-1-nitroso-1-(4-pyridylmethyl)guanidine and related compounds] Kamiya S. **Eisei Shikenjo Hokoku** 1984;(102):105-8 (Eng. Abstr.) **(Jpn)**

TOXICITY

Mutagenesis of anaerobic cultures of Salmonella typhimurium by nitrosoguanidine, diethyl sulfate and 9-aminoacridine. MacPhee DG, et al. **Mutat Res** 1985 Jul;143(3):183-6

NITROSOMETHYLNITROGUANIDINE see **METHYLNITRONITROSOGUANIDINE**

NITROSOMETHYLURETHANE see under **URETHANE**

NITROSOMONAS

ENZYMOLOGY

Suicidal inactivation and labelling of ammonia mono-oxygenase by acetylene. Hyman MR, et al. **Biochem J** 1985 May 1;227(3):719-25

Spectroscopic evidence for a photosensitive oxygenated state of ammonia mono-oxygenase. Shears JH, et al. **Biochem J** 1985 Mar 1;226(2):499-507

A comparative survey of several bacterial aa3-type cytochrome c oxidases. Yamanaka T, et al. **J Inorg Biochem** 1985 Mar-Apr;23(3-4):273-7

NITROSONITROMETHYLGUANIDINE see **METHYLNITRONITROSOGUANIDINE**

N-NITROSOPYRROLIDINE see under **NITROSAMINES**

NITROSOUREA COMPOUNDS

Electron-microscopic analysis of nephroblastomas induced transplacentally in the IIIVO/J rabbit by a single dose of N-ethylnitrosourea. Hard GC, et al. **Am J Pathol** 1984 Nov;117(2):239-51

Effect of alkylation with N-methyl-N-nitrosourea and N-ethyl-N-nitrosourea on the secondary structure of DNA. Rizvi RY, et al. **Biosci Rep** 1984 Sep;4(9):729-35

Polyamines and estrogen control of growth of the NMU-induced rat mammary tumor. Manni A, et al. **Breast Cancer Res Treat** 1985;5(2):129-36

Stability of solutions of antineoplastic agents during preparation and storage for in vitro assays. General considerations, the nitrosoureas and alkylating agents. Bosanquet AG. **Cancer Chemother Pharmacol** 1985; 14(2):83-95 (168 ref.)

Effect of arginine on the carcinogenicity of 7,12-dimethylbenz[a]-anthracene and N-methyl-N-nitrosourea. Burns RA, et al. **Carcinogenesis** 1984 Dec;5(12):1539-42

Studies on the mechanisms of altered exocrine acinar cell differentiation and ductal metaplasia following nitrosamine exposure using hamster pancreatic explant organ culture. Resau JH, et al. **Carcinogenesis** 1985 Jan;6(1):29-35

The effects of neighboring bases on N-methyl-N-nitrosourea alkylation of DNA. Briscoe WT, et al. **Chem Biol Interact** 1984 Nov;52(1):103-10

High-performance liquid chromatographic determination of 3-methylcytosine in deoxyribonucleic acid treated with carcinogenic methylating agents in vitro and in vivo. Kawasaki H, et al. **Chem Pharm Bull (Tokyo)** 1985 Mar; 33(3):1170-4

Synergistic effect of radiation and N-nitrosoethylurea in the induction of lymphoma in mice: cellular kinetics and carcinogenesis. Seyama T, et al. **Gann** 1985 Jan;76(1):20-7

Stable intestinal phenotypic expression of gastric and small intestinal tumor cells induced by N-methyl-N'-nitro-N-nitrosoguanidine or methylnitrosourea in rats. Tatematsu M, et al. **Gann** 1984 Nov;75(11):957-65

Effects of saccharin and urine on the decomposition of N-nitrosomethylurea. Miller CT. **IARC Sci Publ** 1984; (57):377-83

Organ-specific carcinogenicity of N-methyl-N-nitrosourea in F344 and ACI/N rats. Maekawa A, et al. **J Cancer Res Clin Oncol** 1985;109(3):178-82

Effect of Nocardia rubra cell wall skeleton and/or cyclophosphamide on leukemogenesis induced by N-ethyl-N-nitrosourea in Donryu rats. Ogiu T, et al. **J Cancer Res Clin Oncol** 1985;109(3):173-7

Induction of gliomas in Mongolian gerbils (Meriones unguiculatus) following neonatal administration of N-ethyl-N-nitrosourea. Naito M, et al. **JNCI** 1985 Sep; 75(3):581-7

Inhibitory effect of phenobarbital on the development of gliomas in WF rats treated neonatally with N-ethyl-N-nitrosourea. Naito M, et al. **JNCI** 1985 Mar; 74(3):725-8

The sensitivity to methylnitrosourea-induced T-cell leukemogenesis in mice is modified by the injection of hydrocortisone. Seidel HJ, et al. **Leuk Res** 1985;9(5):625-9

Ethylation of nucleophilic sites in DNA by N-ethyl-N-nitrosourea depends on chromatin structure and ionic strength. Nehls P, et al. **Mutat Res** 1985 Jun-Jul; 150(1-2):13-21

Light and electron microscopic observations of choroid plexus in N-methyl-nitrosourea-induced dysgenetic hydromicrocephalic rat offsprings. Aiuchi M, et al. **Nippon Juigaku Zasshi** 1985 Apr;47(2):207-16

Lithiated compounds of biological and oncological interest. Allen EB, et al. **Prog Clin Biol Res** 1985;172B:311-9

[Effects of azathioprine-feeding or bone marrow transplantation on leukemogenic activity of N-butyl-N-nitrosourea (BNU) in Donryu rats (I). Sequential observations of immunological and histological changes in the subacute state] Furuta K, et al. **Eisei Shikenjo Hokoku** 1984;(102):62-6 (Eng. Abstr.) **(Jpn)**

[Effects of azathioprine-feeding or bone marrow transplantation on leukemogenic activity of N-butyl-N-nitrosourea (BNU) in Donryu rats (II). Effects on the induction of leukemia] Ogiu T, et al. **Eisei Shikenjo Hokoku** 1984;(102):66-70 (Eng. Abstr.) **(Jpn)**

[Effect of phenformin and succinic acid on the transplacental carcinogenic effect of N-nitroso-N-ethylurea in rats] Bespalov VG, et al. **Vopr Onkol** 1984;30(10):55-9 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Combined effects of drugs and radiation against tumor cells. Deen DF, et al. **Prog Exp Tumor Res** 1984;28:183-97

[Effects of combination chemotherapy of MCNU with various anti-cancer agents] Machida S, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):298-302 (Eng. Abstr.) **(Jpn)**

[Long-term survival of patients with brain tumors treated with ACNU and PSK after surgery--with special reference to there immunological follow-up] Saito Y. **Gan To Kagaku Ryoho** 1984 Oct;11(10):2185-92 (Eng. Abstr.) **(Jpn)**

[Combination therapy with HU IFN-beta and ACNU against malignant brain tumors, Part 1. Experimental study in vitro] Yoshida J, et al. **Gan To Kagaku Ryoho** 1985 Jan; 12(1):99-104 (Eng. Abstr.) **(Jpn)**

[Use of nitrosomethylurea in the chemotherapy of small cell cancer of the lung] Borisov VI, et al. **Sov Med** 1984; (12):47-50 **(Rus)**

ADVERSE EFFECTS

[Data on the tumor-inducing effect of N-methyl-N-nitrosourea] Csiba A. **Fogorv Sz** 1985 Jul; 78(7):202-6 (Eng. Abstr.) **(Hun)**

[Tamoxifen as a suppressor of mammary carcinogenesis induced by 7,12-dimethyl-benzanthracene and methylnitrosourea, in female rats with induced hyperprolactinemia] Sarría JA, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1983;41(3-4):17-25 (Eng. Abstr.) **(Spa)**

ANALYSIS

Preparative and analytical high-performance liquid chromatographic methods in the synthesis and analysis of decomposition of nitrosourea nucleosides. Brubaker WF Jr, et al. **J Chromatogr** 1985 Apr 10;322(3):455-64

BLOOD

Nitroimidazoles as modifiers of nitrosourea pharmacokinetics. Lee FY, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1627-30

CHEMICAL SYNTHESIS

Synthesis and study of spin-labeled nitrosoureas. Raikov Z, et al. **Cancer Biochem Biophys** 1985 Feb;7(4):343-8

Studies on synthesis and anticancer activity of selected N-(2-fluoroethyl)-N-nitrosoureas. Johnston TP, et al. **J Med Chem** 1984 Nov;27(11):1422-6

In the search for new anticancer drugs XII. Synthesis and biological evaluation of spin labeled nitrosoureas. Sosnovsky G, et al. **Life Sci** 1985 Apr 15;36(15):1479-83

METABOLISM

Differential distribution and covalent binding of two labeled forms of methyl-CCNU in the Fischer 344 rat. Kramer RA, et al. **Cancer Chemother Pharmacol** 1985;14(2):150-5

DNA adduct formation in rat, human and hamster pancreas treated with methylnitrosourea. Friedman S, et al. **Cancer Lett** 1985 Apr;26(3):269-76

Immunohistochemical localization of O6-ethyldeoxyguanosine and deoxyguanosin-8-yl-(acetyl)aminofluorene in liver sections of rats treated with diethylnitrosamine, ethylnitrosourea or N-acetylaminofluorene. Menkveld GJ, et al. **Carcinogenesis** 1985 Feb;6(2):263-70

Specificity in carcinogen-DNA interaction: a theoretical exploration of the factors involved in the effect of neighboring bases on N-methyl-N-nitrosourea alkylation of DNA. Furois-Corbin S, et al. **Chem Biol Interact** 1985 Jun;54(1):9-13

Metabolic disposition of 2-chloroethyl nitrosocarbamoylcystamine in rats. Godeneche D, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):220-6

alpha-Hydroxylation of nitrogen-15 labelled N-nitrosamines by isolated hepatocytes. Koepke SR, et al. **IARC Sci Publ** 1984;(57):437-42

Interaction of bis- and mono-N-nitrosoureas with rat liver chromatin in vitro. Morimoto K, et al. **IARC Sci Publ** 1984;(57):709-13

PHARMACODYNAMICS

The induction of SCE with relation to specific base methylation of DNA in Chinese hamster cells by N-methyl-N-nitrosourea and dimethylsulfate. Connell JR, et al. **Basic Life Sci** 1984;29 Pt A:343-52

Detection of repair of chemical-induced DNA damage in vivo by the nucleoid sedimentation assay. Romagna F, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):56-62

Mechanism of action of 2-haloethylnitrosoureas on deoxyribonucleic acid. Pathways of aqueous decomposition and pharmacological characteristics of new anticancer disulfide-linked nitrosoureas. Lown JW, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1015-24

1,7-Diethylguanosine formation in tRNA chemical ethylation by ethionine and ethylnitrosourea. Kanduc D. **Biochim Biophys Acta** 1985 Jun 18;840(2):219-27

Effect of nitrosoureas on calmodulin activity in vitro and in mouse intestine in vivo. Harrison SD Jr, et al. **Cancer Chemother Pharmacol** 1985;14(2):146-9

Investigation of resistance to DNA cross-linking agents in 9L cell lines with different sensitivities to chloroethylnitrosoureas. Bodell WJ, et al. **Cancer Res** 1985 Aug;45(8):3460-4

Carcinogenic effect of nitrosoalkylureas and nitrosoalkylcarbamates in Syrian hamsters. Lijinsky W, et al. **Cancer Res** 1985 Feb;45(2):542-5

Carbamoylation of glutathione reductase and changes in cellular and chromosome morphology in a rat cell line resistant to nitrogen mustards but collaterally sensitive to nitrosoureas. Tew KD, et al. **Cancer Res** 1985 May; 45(5):2326-33

Specific DNA repair mechanisms may protect some human tumor cells from DNA interstrand crosslinking by chloroethylnitrosoureas but not from crosslinking by other anti-tumor alkylating agents. Gibson NW, et al. **Carcinogenesis** 1985 Mar;6(3):445-50

Flow cytometric analysis of mouse spermatogenic function following exposure to ethylnitrosourea. Evenson DP, et al. **Cytometry** 1985 May;6(3):238-53

Inhibition of protein A24 lyase by nitrosoureas. Markussen G, et al. **FEBS Lett** 1984 Oct 29;176(2):426-30

Ethylnitrosourea mutagenesis and the isolation of mutant alleles for specific genes located in the T region of mouse chromosome 17. Bode VC. **Genetics** 1984 Oct; 108(2):457-70

Repair and replication of DNA containing O6-methylguanine in fetal and adult animal tissues in relation to their susceptibilities to cancer induction by N-nitroso-N-alkylureas. Craddock VM. **IARC Sci Publ** 1984;(57):571-4

Anticancer nitrosoureas: investigations on antineoplastic, toxic and neoplastic activities. Eisenbrand G. **IARC Sci Publ** 1984;(57):695-708

Comparison of sister-chromatid exchange induction caused by nitrosoureas that alkylate or alkylate and crosslink DNA. Bodell WJ, et al. **Mutat Res** 1985 Mar;149(1):95-100

A study of the frequency of sister-chromatid exchange and of thioguanine-resistant cells in mouse spleen lymphocytes after in vivo exposure to ethylnitrosourea. Jones IM, et al. **Mutat Res** 1985 Aug;143(4):245-9

Assessment of lethal and cytostatic effects of alkylnitrosoureas on the cells of experimental tumors. Emanuel NM, et al. **Neoplasma** 1984;31(5):529-38

Effect of N-nitroso-ethylenethiourea on germinal cells in male mice. Hirano M, et al. **Nippon Juigaku Zasshi** 1984 Oct;46(5):697-704

Enhanced nitrosourea cytotoxicity in cell culture by sodium butyrate. Vu VT, et al. **Oncology** 1985;42(5):317-21

Nuclear chromatin condensation of mouse lymphoma (L-1210) cells by methylnitrosourea. An electron microscopic and biochemical study. Enzan H, et al. **Pathol Res Pract** 1985 May;179(6):634-44

Quantitative assessment of the role of O6-methylguanine in the initiation of carcinogenesis by methylating agents. Doniger J, et al. **Proc Natl Acad Sci USA** 1985 Jan; 82(2):421-5

[Antitumor activity of a new nitrosourea, MCNU, on a cellular morphological basis evaluated by a new in vitro antitumor sensitivity assay] Oguro M, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2550-6 (Eng. Abstr.) **(Jpn)**

[Combined effect of ACNU and 5-fluorouracil on spheroids of rat glioma cells] Kitahara M, et al. **Neurol Med Chir (Tokyo)** 1984 Oct;24(10):747-57 (Eng. Abstr.) **(Jpn)**

[Lethal effect of X-ray and ACNU on cultured rat glioma cells in multicellular spheroids] Sugiyama S, et al. **Neurol Med Chir (Tokyo)** 1984 Oct;24(10):758-66 (Eng. Abstr.) **(Jpn)**

[Action mechanism of methyl 6-[3-(2-chloroethyl)-3-nitrosoureido]-6-deoxy-alpha-D-(MCNU) in leukemic cells] Nakamura T, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 May;48(3):734-41 (Eng. Abstr.) **(Jpn)**

[Development of ACNU-resistant meningeal gliomatosis models: establishment of resistant rat glioma subline against ACNU] Yoshida T, et al. **No Shinkei Geka** 1984 Aug; 12(9):1029-36 (Eng. Abstr.) **(Jpn)**

[Disruption of DNA synthesis and structure of mouse L1210 leukemia cells, sensitive and resistant to 1-methyl-1 nitrosourea and 1,3-bis(2-chloroethyl)-1-nitrosourea in vivo] Kukushkina GV, et al. **Biokhimiia** 1984 Jul; 49(7):1189-98 (Eng. Abstr.) **(Rus)**

[Effect of nitrosourea in small doses on the frequency of mutation in Salmonella typhimurium] Shigaeva MKh, et al. **Biol Nauki** 1984;(9):95-9 (Eng. Abstr.) **(Rus)**

[Effect of chemical carcinogens on the synaptic transmission of excitation in the sympathetic ganglia of rats] Klimenko EM, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):702-5 (Eng. Abstr.) **(Rus)**

[Influence of retinol acetate and carbon tetrachloride on the transplacental carcinogenic effect of N-nitrosoethylurea] Bespalov VG, et al. **Farmakol Toksikol** 1984 Sep-Oct; 47(5):67-70 (Eng. Abstr.) **(Rus)**

[Role of lipids in the mutagenic activity of nitrosoalkylureas] Danilenko II. **Izv Akad Nauk SSSR [Biol]** 1985 Mar-Apr; (2):298-301 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Phase II trial of 1-(2-chloroethyl)-3-(2,6-dioxo-3-piperidyl)-1-nitrosoure in small cell cancer of the lung. Chapman RA, et al. **Am J Clin Oncol** 1984 Oct;7(5):413-4

Role of fluroacetate in the toxicity of 2-fluroethylnitrosoureas. Tisdale MJ, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3323-7

Therapeutic and diabetogenic potential of two newly synthesized nitrosoureido sugars. Bernacki RJ, et al. **Cancer Res** 1985 Feb;45(2):695-702

Phase II study of PALA and PCNU in the treatment of non-small cell lung cancer (EST 2580): an Eastern Cooperative Oncology Group study. Ettinger DS, et al. **Cancer Treat Rep** 1984 Oct;68(10):1297-8

High-dose 1-(4-amino-2-methyl-5-pyrimidinyl)-methyl-3-(2-chloro sou rea hydrochloride (ACNU) with autologous bone marrow rescue for patients with brain stem tumors. Hara T, et al. **Childs Brain** 1984;11(6):369-74

Antitumor activity and toxicity of methyl 6-[3-(2-chloroethyl)-3-nitrosoureido]-6-deoxy-alpha-D-glucopyranoside in experimental animals. Fujimoto S, et al. **Gann** 1984 Oct; 75(10):937-46

Thermochemotherapy for malignant melanoma: overcoming heterogeneity in drug sensitivity. Yamada K, et al. **J Invest Dermatol** 1985 Jul;85(1):43-6

New cysteamine (2-chloroethyl)nitrosoureas. Synthesis and preliminary antitumor results. Madelmont JC, et al. **J Med Chem** 1985 Sep;28(9):1346-50

ACNU-resistant mutants of 9L rat glioma cell line. Isolation and preliminary characterization of these subclones. Kokunai T, et al. **J Neurosurg** 1985 Oct;63(4):583-8

Prediction of the relative in vitro sensitivity of 9L rat brain tumor cells to nitrosoureas by the sister chromatid exchange assay. Tofilon PJ, et al. **Life Sci** 1984 Oct 8; 35(15):1611-4

Comparison of the experimental antitumor activities of three nitrosourea derivatives chlorozotocin, RFCNU and CNCC encapsulated in liposomes with those in the free state. Maral R, et al. **Oncology** 1985;42(2):122-8

O6-Alkylguanine-DNA alkyltransferase activity correlates with the therapeutic response of human rhabdomyosarcoma xenografts to 1-(2-chloroethyl)-3-(trans-4-methylcyclohexyl)-1-nitros Brent TP, et al. **Proc Natl Acad Sci USA** 1985 May; 82(9):2985-9

[Phase II study of the water-soluble nitrosourea compound ACNU in advanced colorectal carcinomas] Fiebig HH, et al. **Onkologie** 1984 Dec;7(6):370-7 (Eng. Abstr.) **(Ger)**

[Clinical trial of MCNU for malignant brain tumors] Harada K, et al. **Gan To Kagaku Ryoho** 1985 Jul;12(7):1423-31 (Eng. Abstr.) **(Jpn)**

[Phase II study with methyl 6-[3-(2-chloroethyl)-3-nitrosoureido]-6-deoxy-alpha-D-(MCNU) in hematological malignancies] Higuchi A, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1253-9 (Eng. Abstr.) **(Jpn)**

[Randomized controlled study of methyl 6-[3-(2-chloroethyl)-3-nitrosoureido]-6-deoxy-alpha-D-(MCNU) in comparison with busulfan for chronic myelogenous leukemia] Masaoka T, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):1111-8 (Eng. Abstr.) **(Jpn)**

[Prolonged remission in a patient with chronic myelocytic leukemia (CML) by methyl 6-[3-(2-chloroethyl)-3-deoxy-alpha-D-glucopyranoside (MCNU)] Murase T, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2590-3 (Eng. Abstr.) **(Jpn)**

[Phase II study on MCNU in patients with advanced or recurrent gastrointestinal cancer] Niimoto M, et al. **Gan To Kagaku Ryoho** 1985 Sep;12(9):1813-9 (Eng. Abstr.) **(Jpn)**

[A phase II study of ranomustine (MCNU) tablets in patients with gastrointestinal cancer—by cooperative study group] Taguchi T. **Gan To Kagaku Ryoho** 1984 Nov;11(11):2420-6 (Eng. Abstr.) **(Jpn)**

[Phase II study of methyl 6-[3-(2-chloroethyl)-3-nitrosoureido]-6-deoxy-alpha-D-(MCNU).] Tanaka I, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 1):493-8 (Eng. Abstr.) **(Jpn)**

[Effect of MCNU on brain tumors. Part II: Clinical experience with MCNU on malignant brain tumors] Wakabayashi T, et al. **Gan To Kagaku Ryoho** 1984 Dec; 11(12 Pt 2):2729-37 (Eng. Abstr.) **(Jpn)**

[Optimization and prognosis of the effectiveness of using nitrosomethylurea for treating malignant tumor patients based on pharmacokinetic parameters] Konradov AA, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Jan-Feb;(1):16-24 (Eng. Abstr.) **(Rus)**

TOXICITY

Effect of long-term administration of retinoids on rats exposed transplacentally to ethylnitrosourea. Grubbs CJ, et al. **Anticancer Res** 1985 Mar-Apr;5(2):205-9

Glucose consumption, newborn weight and nitrosomethylurea transplacental carcinogenesis in rats. Berstein LM, et al. **Cancer Lett** 1984 Dec;25(2):171-6

Dynamic changes of the chicken erythrocyte membranes induced by N-methyl-N-aryl-N-nitrosoureas and their tumorigenicity. Yano K, et al. **Cancer Lett** 1985 Apr; 26(3):261-8

Chemical structure of carbamoylating groups and their relationship to bone marrow toxicity and antiglioma activity of bifunctionally alkylating and carbamoylating nitrosoureas. Ali-Osman F, et al. **Cancer Res** 1985 Sep; 45(9):4185-91

Central nervous system toxicity and cerebrospinal fluid pharmacokinetics of intraventricular 3-[(4-amino-2-methyl-5-pyrimidinyl)ethyl]-1-(2-chloroet soureas and other nitrosoureas in beagles. Levin VA, et al. **Cancer Res** 1985 Aug;45(8):3803-9

Differential formation of O6-ethylguanine in the DNA of rat brain chromatin fibers of different folding levels exposed to N-ethyl-N-nitrosourea in vitro. Nehls P, et al. **Cancer Res** 1985 Mar;45(3):1378-83

Estrous cycle modification of rat mammary tumor induction by a single dose of N-methyl-N-nitrosourea. Ratko TA, et al. **Cancer Res** 1985 Jul;45(7):3042-7

Genetically determined susceptibility of Fischer 344 rats to propylnitrosourea-induced thymic lymphomas. Shisa H, et al. **Cancer Res** 1985 Apr;45(4):1483-7

Selective isolation of domains of chromatin proximal to both carcinogen-induced DNA damage and poly-adenosine diphosphate-ribosylation. Thraves PJ, et al. **Cancer Res** 1985 Jan;45(1):386-91

N-Methyl-N-nitrosourea potentiation of cytogenetic damage induced by 1,3-bis(2-chloroethyl)-1-nitrosourea in normal human lymphocytes. Wiencke JK, et al. **Cancer Res** 1985 Oct;45(10):4798-803

Poly (ADP-ribose) metabolism in alkylated mouse L5178Y cells. Boyle JM. **Carcinogenesis** 1985 Jul;6(7):1005-9

N-methyl-N-nitrosourea induces dysplasia and cell surface markers of neoplasia in long-term rat bladder organ cultures. Knowles MA, et al. **Carcinogenesis** 1985 Jul; 6(7):1047-54

Similar carcinogenic effects in rats of 1-ethyl-1-nitroso-3-hydroxyethylurea and 1-hydroxyethyl-1-nitroso-3-ethylurea. Lijinsky W, et al. **Carcinogenesis** 1985 Apr;6(4):641-3

Effect of subsequent treatment of chloroform or phenobarbital on the incidence of liver and lung tumors initiated by ethylnitrosourea in 15 day old mice. Pereira MA, et al. **Carcinogenesis** 1985 Feb;6(2):203-7

Detection of a deuterium isotope effect in di- and trisubstituted alkylphenylnitrosoureas. An SCE study in Chinese hamster V79-E cells. Thust R, et al. **Carcinogenesis** 1985 Jun;6(6):873-6

Repair and replication of DNA in rat and mouse tissues in relation to cancer induction by N-nitroso-N-alkyl-ureas. Craddock VM, et al. **Chem Biol Interact** 1984 Dec; 52(2):223-31

Induction of forward mutation at the yg2 locus in maize by ethylnitrosourea. Schy WE, et al. **Environ Mutagen** 1985; 7(2):155-62

SCE induction is uncoupled from mutation induction in mammalian cells following exposure to ethylnitrosourea (ENU). Stetka DG Jr, et al. **Environ Mutagen** 1985; 7(2):233-43

Initiation-promotion-initiation. Induction of neoplastic foci within islands of precancerous liver cells in the rat. Scherer E, et al. **IARC Sci Publ** 1984;(56):57-66

Decomposition reactions of (hydroxyalkyl) nitrosoureas and related compounds: possible relationship to carcinogenicity. Singer SS. **J Med Chem** 1985 Aug;28(8):1088-93

Effects of buthionine sulfoximine on the nephrotoxicity of 1-(2-chloroethyl)-3-(trans-4-methylcyclohexyl)-1-nitros (MeCCNU). Kramer RA, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):498-506

Chemoprevention of N-nitroso-N-methylurea-induced mammary cancers by pretreatment with 17 beta-estradiol and progesterone. Grubbs CJ, et al. **JNCI** 1985 Apr; 74(4):927-31

Changing sensitivity of neonatal rats to tumorigenic effects of N-nitroso-N-ethylurea and X-radiation, given singly or combined. Knowles JF. **JNCI** 1985 Apr;74(4):853-7

Toxicological study on a new nitrosourea derivative, 1-(2-chloroethyl)-3-isobutyl-3-(beta-maltosyl)-1-nitroso Fujimoto S, et al. **Jpn J Cancer Res** 1985 Jul;76(7):651-6

Studies on chemical carcinogens and mutagens. XXIX. Mutagenic N-trimethylsilylmethyl-N-nitrosourea as a biological alkylating agent equivalent to N-methyl-N-nitrosourea (MNU). Hakura A, et al. **Mutat Res** 1985 Jul;157(1):87-93

The differential effect of benzamide upon the toxicity and mutations produced in Chinese hamster ovary cells by N-methyl nitrosourea, N-ethyl nitrosourea and N-hydroxy-2-aminofluorene. Heflich RH, et al. **Mutat Res** 1985 Apr;142(4):203-7

The interrelationship between SCE induction, cell survival, mutagenesis, aberration formation and DNA synthesis inhibition in V79 cells treated with N-methyl-N-nitrosourea or N-methyl-N'-nitro-N-nitrosoguanidine. Kaina B. **Mutat Res** 1985 Jan-Feb;142(1-2):49-54

Induction of 6-thioguanine-resistant mutants and SCEs by 3 chemical mutagens (EMS, ENU and MMC) in cultured human blood lymphocytes. Vijayalaxmi, et al. **Mutat Res** 1984 Nov;129(2):283-9

Direct mutagenesis of Ha-ras-1 oncogenes by N-nitroso-N-methylurea during initiation of mammary carcinogenesis in rats. Zarbl H, et al. **Nature** 1985 May 30-Jun 5;315(6018):382-5

Lack of evidence for skeletal abnormalities in offspring of mice exposed to ethylnitrosourea. Lovell DP, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2852-6

DNA damage and repair in mouse embryos following treatment transplacentally with methylnitrosourea and methylmethanesulfonate. Jirakulsomchok S, et al. **Teratogenesis Carcinog Mutagen** 1984;4(6):523-36

[Influence of anticarcinogenic agents on the transplacental carcinogenic effect of N-nitroso-N-ethylurea] Bespalov VG, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):73-6 (Eng. Abstr.) **(Rus)**

[Modification of the genetic effect of N-nitrosoethylurea in inbred mice by para-aminobenzoic acid] Malashenko AM, et al. **Genetika** 1985 Apr;21(4):582-5 (Eng. Abstr.) **(Rus)**

NITROUS ACID see under **NITRITES**

NITROUS OXIDE

Comparison of fentanyl and halothane as supplement to nitrous-oxide-oxygen anaesthesia for coronary artery surgery. Fischerström A, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):16-21

Coronary haemodynamic effects of surgery during enflurane-nitrous oxide anaesthesia in patients with ischaemic heart disease. Reiz S, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):106-12

Sequential myocardial depressant and non-depressant anaesthesia for coronary artery surgery. Settergren G, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):26-31

Prediction of post-operative middle ear pressure changes after general anaesthesia with nitrous oxide. O'Neill G. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):51-7

Nitrous oxide: effective analgesic for vascular and interventional procedures. Braun SD, et al. **AJR** 1985 Aug; 145(2):377-9

Nitrous oxide analgesia for outpatient procedures. Davidson KW, et al. **Am Fam Physician** 1985 Jan;31(1):209-13

Nitrous oxide: a potentially lethal euphoriant inhalant. Schwartz RH, et al. **Am Fam Physician** 1984 Nov; 30(5):171-2

Anesthetic potency of nitrous oxide in young swine (Sus scrofa). Tranquilli WJ, et al. **Am J Vet Res** 1985 Jan; 46(1):58-60

Entonox for casualties at 1000 m: use of nitrous oxide analgesia in Nigeria at moderate altitude. Oji A, et al. **Anaesthesia** 1984 Nov;39(11):1127-30

Nitrous oxide solubility in halothane and its effect on the output of vaporizers. Palayiwa E, et al. **Anaesthesia** 1985 May;40(5):415-9

Optimization of oxygenation by CPAP during one-lung anesthesia using nitrous oxide:oxygen [letter] Baraka A, et al. **Anesth Analg** 1985 Oct;64(10):1036-7

Respiratory sinus arrhythmia during recovery from isoflurane-nitrous oxide anesthesia. Donchin Y, et al. **Anesth Analg** 1985 Aug;64(8):811-5

Monitoring waste nitrous oxide. One medical center's experience. Ackerman J. **AORN J** 1985 May;41(5):895, 897, 898

Determination of anesthetic molecule environments by infrared spectroscopy. I. Effects of solvating molecule structure on nitrous oxide spectra. Gorga JC, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):734-46

Effect of nitrous oxide on gas bubble volume [letter] **Arch Ophthalmol** 1985 Sep;103(9):1272, 1274

Effect of nitrous oxide on gas bubble volume in the anterior chamber. Wolf GL, et al. **Arch Ophthalmol** 1985 Mar; 103(3):418-9

Nitrous oxide analgesia in the radiology department. Edwards KC, et al. **Australas Radiol** 1984 Nov;28(4):368-71

Alfentanil as an adjunct to thiopentone and nitrous oxide in short surgical procedures. Dechène JP. **Can Anaesth Soc J** 1985 Jul;32(4):346-50

The origins of anesthesia. Part IV. Nuland SB. **Conn Med** 1985 May;49(5):299-301

Measurement of oxygen uptake: a method for use during nitrous oxide in oxygen anaesthesia. Cohen AT, et al. **Eur J Anaesthesiol** 1984 Mar;1(1):63-75

Gamma-radiolysis of N2O-saturated formate solutions. A chain reaction. Al-Sheikhly MI, et al. **Int J Radiat Biol** 1985 Apr;47(4):457-62

The use of Entonox as a sedation agent for children who have refused operative dentistry [letter] **J Dent** 1984 Sep; 12(3):272-5

Middle-ear pressure changes during general N2O anaesthesia in adeno-tonsillectomies due to post-nasal packing. Karbonis J, et al. **J Laryngol Otol** 1984 Oct;98(10):973-6

Fentanyl-nitrous oxide anesthesia in spinal cord injuries. Scafuro M, et al. **J Neurosurg Sci** 1984 Jul-Dec; 28(3-4):233-5

Evaluation of rebreathing in various modifications of the Mapleson-D system. Campbell RL, et al. **J Oral Maxillofac Surg** 1985 Aug;43(8):574-9

Potency of isoflurane and nitrous oxide in conventional swine. Eisele PH, et al. **Lab Anim Sci** 1985 Feb;35(1):76-8

Cognitive modification of pain: information in combination with N2O. Dworkin SF, et al. **Pain** 1984 Aug;19(4):339-51

[Removal of nitrous oxide from delivery rooms] Obel D, et al. **Ugeskr Laeger** 1984 Dec 10;146(50):3907-10 (Eng. Abstr.) **(Dan)**

[Prevention of pulmonary collapse during bronchography under general anesthesia in children] Guilbert M, et al. **Cah Anesthesiol** 1984 Sep;32(5):355-8 (Eng. Abstr.) **(Fre)**

[Nitrous oxide. Technical and economic questions] Lassner J. **Cah Anesthesiol** 1984 May-Jun;32(4):261-4 **(Fre)**

[Fentanyl, pancuronium and nitrous oxide in high-risk orthopedic and traumatologic surgery] Tartière J, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):51-4 **(Fre)**

[Tramadol infusion anesthesia with the substitution of enflurane and various nitrous oxide concentrations] Paravicini D, et al. **Anaesthesist** 1985 Jan;34(1):20-7 (Eng. Abstr.) **(Ger)**

[Cardiovascular effects of isoflurane-nitrous oxide anesthesia in peripheral and abdominal surgical interventions] Stephan H, et al. **Anaesthesist** 1985 Mar;34(3):105-10 (Eng. Abstr.) **(Ger)**

[Experiences with combined catheter-peridural anesthesia and nitrous oxide-oxygen ventilation in patients at risk in gynecology and obstetrics] Garstka G, et al. **Anasth Intensivther Notfallmed** 1984 Aug;19(4):195-200 (Eng. Abstr.) **(Ger)**

[Neuroleptanalgesia under intubation with a laughing gas/oxygen mixture for important neurosurgery in swine (Sus scrofa)] Conzen M, et al. **DTW** 1984 Nov 22; 91(11-12):396-7 (Eng. Abstr.) **(Ger)**

[Experiences with nitrous oxide analgesia in emergency care] Fiedler W. **Z Arztl Fortbild (Jena)** 1984;78(14):581-3 **(Ger)**

[Effects of inhalation anesthetics on carotid body chemoreceptor activity] Arima T, et al. **Masui** 1984 Sep; 33(9):991-4 (Eng. Abstr.) **(Jpn)**

[The effects of intravenous lidocaine on hemodynamics--comparisons among patients anesthetized with halothane, those with nitrous oxide-fentanyl, and the patients with acute pulmonary insufficiency] Dohi S, et al. **Masui** 1984 Jul;33(7):725-30 (Eng. Abstr.) **(Jpn)**

[Analgesic effect of nitrous oxide] Fudeta H. **Masui** 1984 Nov;33(11):1265-72 (Eng. Abstr.) **(Jpn)**

[Anesthetic management of a patient with Cornelia de Lange syndrome] Kiriyama M, et al. **Masui** 1984 Dec; 33(12):1392-4 (Eng. Abstr.) **(Jpn)**

[Goldenhar's syndrome and anesthesia] Nakajima K, et al. **Masui** 1984 Sep;33(9):1027-9 (Eng. Abstr.) **(Jpn)**

[Anesthetic management for neurosurgery in premature infant--report of 6 cases] Okada T, et al. **Masui** 1984 Nov; 33(11):1282-7 (Eng. Abstr.) **(Jpn)**

[Effects of anesthetics and measuring techniques on the observed basal myocardial hemodynamics of experimental animals] Shinohara S. **Masui** 1984 Aug;33(8):823-31 (Eng. Abstr.) **(Jpn)**

[The need for nitrous oxide anesthesia--a questionnaire] Takahashi S. **Masui** 1985 May;34(5):708-10 **(Jpn)**

[The effects of naloxone reversal on enflurane-N2O-O2 anesthesia] Takeshima R, et al. **Masui** 1984 Oct; 33(10):1064-9 (Eng. Abstr.) **(Jpn)**

[Endotracheal anesthesia during strumectomy] Liul'ka AN, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):96-100 (Eng. Abstr.) **(Rus)**

[Diazanalgesia as an anesthetic technic in heart surgery with extracorporeal circulation] Gómez Herreras JI, et al. **Rev Esp Anestesiol Reanim** 1984 May-Jun;31(3):95-8 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Self-administered Entonox (50% nitrous oxide in oxygen) in labour: report of the experience in Ibadan. Soyannwo OA. **Afr J Med Med Sci** 1985 Mar-Jun;14(1-2):95-8

Entonox hazard [letter] Orr IA, et al. **Anaesthesia** 1985 May; 40(5):496

Nitrous oxide analgesia and the endogenous opioid system [letter] Gillman MA, et al. **Can Anaesth Soc J** 1985 Mar; 32(2):200-1

Sedation in pediatric dentistry: a practical assessment procedure. Moore PA, et al. **J Am Dent Assoc** 1984 Oct; 109(4):564-9

Subanesthetic doses of ketamine, diazepam, and nitrous oxide for adult outpatient sedation. Tucker MR, et al. **J Oral Maxillofac Surg** 1984 Oct;42(10):668-72

Porcine systemic and regional organ blood flow during 1.0 and 1.5 minimum alveolar concentrations of sevoflurane anesthesia without and with 50% nitrous oxide. Manohar M, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):640-8

[Oxygen-nitrous oxide mixing flowmeter with safety feature] Brille P, et al. **Cah Anesthesiol** 1984 May-Jun;32(4):271-5 **(Fre)**

[The effect of moderate-dose fentanyl-N2O anesthesia on urinary catecholamine excretion during upper-abdominal surgery] Takino Y, et al. **Masui** 1984 Oct;33(10):1095-8 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Nitrous oxide exposure during routine anaesthetic work. Measurement of biologic exposure from urine samples and technical exposure by bag sampling. Sonander H, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):203-8

Are seizures caused by nitrous oxide or isoflurane? [letter] Eger EI 2d. **Anesthesiology** 1985 May;62(5):697-8

Nitrous oxide distends the bowel [letter] **Br J Anaesth** 1984 Nov;56(11):1319-20

Nitrous oxide and its opioid emetic properties [letter] Gillman MA. **Can Anaesth Soc J** 1985 May;32(3 Pt 1):315

Effects of leucovorin and methylcobalamin with N2O anesthesia. Kano Y, et al. **J Lab Clin Med** 1984 Nov; 104(5):711-7

Some sobering facts about laughing gas [news] Simmons K. **JAMA** 1985 Apr 26;253(16):2334-7

[Post-anesthetic stage after inhalation of halothane, enflurane, isoflurane and nitrous oxide] Brandt L, et al. **Cah Anesthesiol** 1985 Mar;33(2):161-3 **(Fre)**

[Nitrous oxide (nitrogen protoxide) and complications of anesthesia] Cara M, et al. **Cah Anesthesiol** 1984 May-Jun; 32(4):265-9 **(Fre)**

[Relation between daily patient visits to district physicians and atmospheric air pollution] Seroka W, et al. **Przegl Lek** 1984;41(6):433-7 (Eng. Abstr.) **(Pol)**

[Chromosome aberrations in peripheral blood lymphocytes of persons working with nitrogases] Shmarov DA, et al. **Gematol Transfuziol** 1985 Jun;30(6):34-7 (Eng. Abstr.) **(Rus)**

[Tracheal tube obstruction caused by nitrous oxide] Toro Jiménez MJ, et al. **Rev Esp Anestesiol Reanim** 1985 Jan-Feb;32(1):37-8 (Eng. Abstr.) **(Spa)**

ANALYSIS

Field comparison between two nitrous oxide (N2O) passive monitors and conventional sampling methods. Bishop EC, et al. **Am Ind Hyg Assoc J** 1984 Dec;45(12):812-6

Insidious vapors. Infrared determination of NO2 generated in a high-voltage electric arc. Carlson EM, et al. **Anal Chem** 1984 Nov;56(13):1454A-1464A

Capnographs: a new operating room pollution hazard? [letter] Lawson D, et al. **Anesth Analg** 1985 Mar;64(3):378

A neglected source of nitrous oxide in operating room air [letter] Yamashita M, et al. **Anesthesiology** 1985 Feb; 62(2):206–7

[Air pollution during bronchoscopy] Sørensen BH, et al. **Ugeskr Laeger** 1985 Apr 15;147(16):1317–9 (Eng. Abstr.) **(Dan)**

BLOOD

Effect of nitrous oxide on serum vitamin-B12 levels under surgical anesthesia. Gökben M, et al. **Acta Anaesthesiol Belg** 1985 Jun;36(2):71–7

DIAGNOSTIC USE

[Determination of cerebral blood flow by the use of nitrous oxide and radioactive inert gases] Sawada T. **Nippon Rinsho** 1985 Feb;43(2):274–82 **(Jpn)**

HISTORY

Samuel Latham Mitchill (1764–1831). A neglected American pioneer of anesthesia. Bergman NA. **JAMA** 1985 Feb 1; 253(5):675–8

METABOLISM

Determination of anesthetic molecule environments by infrared spectroscopy. II. Multiple sites for nitrous oxide in proteins, lipids, and brain tissue. Hazzard JH, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):747–56

Nitrite and nitrous oxide production by Methylosinus trichosporium. Yoshinari T. **Can J Microbiol** 1985 Feb; 31(2):139–44

Isolation and characterization of transposon Tn5-induced mutants of Pseudomonas perfectomarina defective in nitrous oxide respiration. Zumft WG, et al. **J Bacteriol** 1985 Sep;163(3):918–24

Nitrous oxide and body air spaces. Munson ES. **Middle East J Anaesthesiol** 1983 Oct;7(3):193–201

The pharmacokinetics of inhaled N2O in children. Koren G, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jul; 49(1):95–108

PHARMACODYNAMICS

CBF and CMRO2 during continuous etomidate infusion supplemented with N2O and fentanyl in patients with supratentorial cerebral tumour. A dose-response study. Cold GE, et al. **Acta Anaesthesiol Scand** 1985 Jul; 29(5):490–4

Haemodynamic response to nitrous oxide during high-dose fentanyl pancuronium anaesthesia. Meretoja OA, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):137–41

Enkephalinase inhibition prevented tolerance to nitrous oxide analgesia in rats. Rupreht J, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):617–620

Regional distribution of porcine brain blood flow during 50% nitrous oxide administration. Manohar M. **Am J Vet Res** 1985 Apr;46(4):831–5

The effects of three differing anaesthetics on the immune response. Edwards AE, et al. **Anaesthesia** 1984 Nov; 39(11):1071–8

Anaesthetic carrier gases. Their effect on middle-ear pressure peri-operatively. Mann MS, et al. **Anaesthesia** 1985 Jan; 40(1):8–11

The effects of isoflurane and isoflurane-nitrous oxide anesthesia on brainstem auditory evoked potentials in humans. Manninen PH, et al. **Anesth Analg** 1985 Jan; 64(1):43–7

The effects of nitrous oxide on myocardial metabolism and hemodynamics during fentanyl or enflurane anesthesia in patients with coronary disease. Moffitt EA, et al. **Anesth Analg** 1984 Dec;63(12):1071–5

Regional coronary hemodynamics during isoflurane-nitrous oxide anesthesia in patients with ischemic heart disease. Reiz S, et al. **Anesth Analg** 1985 Jun;64(6):570–6

A comparison of local rates of glucose utilization in spinal cord and brain in conscious and nitrous oxide- or pentobarbital-treated rats. Crosby G, et al. **Anesthesiology** 1984 Oct;61(4):434–8

The response of the feline cerebral circulation to PaCO2 during anesthesia with isoflurane and halothane and during sedation with nitrous oxide. Drummond JC, et al. **Anesthesiology** 1985 Mar;62(3):268–73

Nitrous oxide acts directly at the mu opioid receptor [letter] Gillman MA, et al. **Anesthesiology** 1985 Mar;62(3):375–6

Baroreceptor reflex control of heart rate during morphine sulfate, diazepam, N2O/O2 anesthesia in humans. Kotrly KJ, et al. **Anesthesiology** 1984 Nov;61(5):558–63

Effects of enflurane, isoflurane, and nitrous oxide on somatosensory evoked potentials during fentanyl anesthesia. McPherson RW, et al. **Anesthesiology** 1985 May; 62(5):626–33

Postsystolic shortening of canine left ventricle supplied by a stenotic coronary artery when nitrous oxide is added in the presence of narcotics. Philbin DM, et al. **Anesthesiology** 1985 Feb;62(2):166–74

Local cerebral glucose utilization during nitrous oxide and pentobarbital anesthesia in rats. Sakabe T, et al. **Anesthesiology** 1985 Sep;63(3):262–6

Acute tolerance to the analgesic action of nitrous oxide does not develop in rats. Shingu K, et al. **Anesthesiology** 1985 Apr;62(4):502–4

Nitrous oxide and wound healing. Algie TA, et al. **Br J Anaesth** 1985 Jun;57(6):621–3

Nitrous oxide inhalation does not influence plasma concentrations of beta-endorphin or Met-enkephalin-like immunoreactivity. Evans SF, et al. **Br J Anaesth** 1985 Jun; 57(6):624–8

Effect of volatile anaesthetics and nitrous oxide-fentanyl anaesthesia on bleeding time. Fyman PN, et al. **Br J Anaesth** 1984 Nov;56(11):1197–200

Effect of nitrous oxide on visual, auditory and somatosensory evoked potentials. Sebel PS, et al. **Br J Anaesth** 1984 Dec; 56(12):1403–7

Depression of cortical somatosensory evoked potentials by nitrous oxide. Sloan TB, et al. **Br J Anaesth** 1985 Sep; 57(9):849–52

Conversion of endogenous cobalamins into microbiologically-inactive cobalamin analogues in rats by exposure to nitrous oxide. Muir M, et al. **Br J Haematol** 1984 Nov;58(3):517–23

Comparative effects of volatile anaesthetic agents and nitrous oxide on human leucocyte chemotaxis in vitro. Moudgil GC, et al. **Can Anaesth Soc J** 1984 Nov;31(6):631–7

Ventilatory effects of nitrous oxide during continuous infusion of fentanyl or alfentanil. Sinclair ME, et al. **Eur J Anaesthesiol** 1984 Dec;1(4):345–52

Nitrous oxide generalizes to a discriminative stimulus produced by ethylketocyclazocine but not morphine. Hynes MD, et al. **Eur J Pharmacol** 1984 Oct 1; 105(1–2):155–9

Effects of nitrous oxide on the functional characteristics of cells in the extrastriate cortex of the cat. Reinis S, et al. **Exp Brain Res** 1985;59(3):463–9

Reduction of hepatic tetrahydrofolate and inhibition of exhalation of 14CO2 formed from [dimethylamino-14C]aminopyrine in nitrous oxide-treated rats. Black KA, et al. **Hepatology** 1984 Sep–Oct;4(5):871–6

Impact of 70% nitrous oxide administration on regional distribution of brain blood flow in unmedicated healthy swine. Manohar M. **J Cardiovasc Pharmacol** 1985 May–Jun; 7(3):463–8

Porcine brain and myocardial perfusion during enflurane anesthesia without and with nitrous oxide. Manohar M, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec;6(6):1092–101

Possible mechanisms of action of nitrous oxide at the opioid receptor. Gillman MA. **Med Hypotheses** 1984 Oct; 15(2):109–14

Methylcobalamin corrects the deleterious in vitro effect of nitrous oxide on thymidylate synthetase. Haurani FI, et al. **Mol Cell Biochem** 1985 Jan;65(2):153–7

Does nitrous oxide induce release of brain opioid peptides? Quock RM, et al. **Pharmacology** 1985;30(2):95–9

Nitrous oxide as an opioid and the association between the therapeutic use of narcotics and addiction [letter] Gillman MA. **Postgrad Med J** 1985 Jul;61(717):653

Role of S-adenosylmethionine in DNA synthesis and haemopoiesis. Sourial NA, et al. **Scand J Haematol** 1985 Apr;34(4):303–7

Reproduction and fetal development in rats exposed to nitrous oxide. Mazze RI, et al. **Teratology** 1984 Oct; 30(2):259–65

[Tympanometry under nitrous oxide anesthesia in cases of seromucous otitis] Coeckelenbergh A, et al. **Acta Otorhinolaryngol Belg** 1984;38(5):485–8 (Eng. Abstr.) **(Fre)**

[Modification of granulocyte chemotaxis during anesthesia for surgery] Valentino M, et al. **Boll Soc Ital Biol Sper** 1985 Jan 30;61(1):145–9 (Eng. Abstr.) **(Ita)**

[Characteristics of the change in oxidative phosphorylation in the mitochondria of various organs under nitrous oxide anesthesia] Tsyganil AA, et al. **Farmakol Toksikol** 1984 Jul–Aug;47(4):30–3 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Absence of electroencephalographic excitation pattern under isoflurane anesthesia. Dworacek B, et al. **Acta Anaesthesiol Belg** 1984 Sep;35(3):211–7

Analgesic nitrous oxide: adjunct to clonidine for opioid withdrawal [letter] Gillman MA, et al. **Am J Psychiatry** 1985 Jun;142(6):784–5

Nitrous oxide sedation/analgesia in emergency medicine. Stewart RD. **Ann Emerg Med** 1985 Feb;14(2):139–48

Synergistic growth inhibiting effect of nitrous oxide and cycloleucine in experimental rat leukaemia. Kroes AC, et al. **Br J Cancer** 1984 Dec;50(6):793–800

Psychological and physiological effects of relaxation and nitrous oxide training. Danton WG, et al. **Psychol Rep** 1984 Aug;55(1):311–22

TOXICITY

Nitrous oxide does not hinder the repair of halothane-induced hepatic injury in the rat. Fassoulaki A, et al. **Anesth Analg** 1985 May;64(5):465–7

Nitrous oxide, too, is hepatotoxic in rats. Fassoulaki A, et al. **Anesth Analg** 1984 Dec;63(12):1076–80

Effects of nitrous oxide on maternal and embryonic folate metabolism in rats. Hansen DK, et al. **Dev Pharmacol Ther** 1985;8(1):43–54

Synergistic deleterious effects of nitrous oxide exposure and vitamin B12 deficiency. O'Leary PW, et al. **J Lab Clin Med** 1985 Apr;105(4):428–31

NITROVIN see under **NITROFURANS**

NITROXINIL see under **NITROPHENOLS**

NIZETHAMID see **NIKETHAMIDE**

NK CELLS see **KILLER CELLS, NATURAL**

NMN ADENYLYLTRANSFERASE see under **NUCLEOTIDYLTRANSFERASES**

NMR TOMOGRAPHY see **NUCLEAR MAGNETIC RESONANCE**

NO FAULT INSURANCE see **INSURANCE, LIABILITY**

NOBEL PRIZE

Nobel winners. Three quiet men conquering hidden mysteries. Wilford JN. **Med J Aust** 1984 Nov 24; 141(11):741–2

Prizes (at last) for immunology [news] Newmark P. **Nature** 1984 Oct 18–24;311(5987):601

Nobel prize: Merrifield wins in chemistry [news] Sheppard RC. **Nature** 1984 Oct 25–31;311(5988):699

The 1984 Nobel Prize in medicine. Uhr JW. **Science** 1984 Nov 30;226(4678):1025–8

[Nobel prize in medicine/physiology 1984] **Ugeskr Laeger** 1984 Nov 12;146(46):3549–51 **(Dan)**

[Nobel Prizes for immunology 1984 (Niels K. Jerne, Cesar Milstein, George Köhler)] Bolhuis RL, et al. **Ned Tijdschr Geneeskd** 1984 Dec 29;128(52):2433–5 **(Dut)**

[The 1984 Nobel Prize in medicine (Cesar Milstein, George Köhler, Niels Jerne)] Kaartinen M. **Duodecim** 1984; 100(23–24):1573–8 **(Fin)**

[Peptide synthesis: the 1984 Nobel Prize in chemistry (Bruce Merrifield)] Kalkkinen N. **Duodecim** 1984; 100(23–24):1579–80 **(Fin)**

[The 1984 Nobel prize for chemistry. Synthetic hormones and enzymes with Merrifield's peptide synthesizer] Domagk GF. **Dtsch Med Wochenschr** 1984 Dec 7; 109(49):1901–2 **(Ger)**

[The gerontologist Mechnikov] Vértes L. **Orv Hetil** 1985 Jul 28;126(30):1859–60 **(Hun)**

[Work of Dr. Robert Merrifield, with special reference to the development of solid phase peptide synthesis] Sano S. **Tanpakushitsu Kakusan Koso** 1985 Jan;30(1):51–3 **(Jpn)**

[Jerne, Köhler and Milstern: Nobel prize winners and their work] Tada T, et al. **Tanpakushitsu Kakusan Koso** 1985 Jan;30(1):45–50 **(Jpn)**

[Immunology in theory and practice. Nils K Jerne shares the Nobel prize in medicine with Georges JF Köhler and Cesar Milstein] Onneby M. **Nord Med** 1984;99(11):300, 304 **(Swe)**

HISTORY

[The 1984 Nobel Prize for physiology and medicine] Petrányi G. **Orv Hetil** 1985 Jun 16;126(24):1485–7 **(Hun)**

NOCARDIA

CLASSIFICATION

A new indole N-glycoside antibiotic SF-2140 from an Actinomadura. I. Taxonomy and fermentation of producing microorganism. Tohyama H, et al. **J Antibiot (Tokyo)** 1984 Oct;37(10):1144–8

Serotaxonomical analyses of strains referred to Nocardia amarae and Rhodococcus equi. Ridell M. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Dec; 258(4):492–7

Identification of actinomycetes isolated from cases of bovine farcy in the Sudan. Ridell M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Feb; 259(1):43–50

ENZYMOLOGY

Substrate-induction of veratric acid O-demethylase in Nocardia sp. Malarczyk E. **Acta Biochim Pol** 1984; 31(4):383–95

Characterization of a nitrilase from Nocardia sp. (Rhodochrous group) N.C.I.B. 11215, using p-hydroxybenzonitrile as sole carbon source. Harper DB. **Int J Biochem** 1985;17(6):677–83

IMMUNOLOGY

Randomly controlled study of chemotherapy versus chemoimmunotherapy in postoperative lung cancer patients. Yasumoto K, et al. **Cancer Res** 1985 Mar; 45(3):1413–7

Strain differences in the antitumor activity of an immunopotentiator, Nocardia rubra cell-wall skeleton, in B10 congenic and recombinant mice. Haraguchi S, et al. **Gann** 1985 May;76(5):400–13

Effect of N-CWS injection against influenza virus infection in the retired workers of the Okunojima Poison Gas factory. Yamakido M, et al. **Hiroshima J Med Sci** 1984 Sep;33(3):547–51

Intratumoral injections of Nocardia rubra-cell wall skeleton for hilar type lung cancer in humans and Lewis lung carcinoma in mice. Tsubura E. **Jpn J Med** 1985 Feb; 24(1):84–6

NEWARK PUBLIC LIBRARY

[Chemical pleurodesis with nocardia rubra cell wall skeleton (N-CWS) for management of pleural air leakage] Nakamoto K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Dec;32(12):2090-4 (Eng. Abstr.) **(Jpn)**

[Randomized controlled study on adjuvant immunotherapy for unresectable lung cancer with Nocardia rubra cell wall skeleton] Ogura T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Jan;23(1):62-7 (Eng. Abstr.) **(Jpn)**

[Symposium on treatments of cancer. 7. Intratumoral injections of Nocardia rubra-cell wall skeleton in hilar type lung cancer of man and Lewis lung carcinoma of mice] Tsubura E. **Nippon Naika Gakkai Zasshi** 1984 Nov; 73(11):1616-21 **(Jpn)**

ISOLATION & PURIFICATION

Nocardia in soils of southeastern Spain: abundance, distribution, and chemical characterisation. Valero-Guillén PL, et al. **Can J Microbiol** 1984 Aug;30(8):1088-92

Aerobic actinomycetes from water. Malik AK, et al. **Indian J Pathol Microbiol** 1984 Jan;27(1):43-6

Search for acid-fast bacilli in bottled mineral waters. Caroli G, et al. **J Appl Bacteriol** 1985 May;58(5):461-3

Isolation of fungi and Nocardia in various broncho-pulmonary diseases. Sharma TN, et al. **J Assoc Physicians India** 1984 Oct;32(10):855-7

[Multiple skin abscesses caused by Nocardia carnea] Akgün Y, et al. **Mikrobiyol Bul** 1985 Apr;19(2):100-3 (Eng. Abstr.) **(Tur)**

METABOLISM

Granuloma forming activity of mycolic acid-containing glycolipids in nocardia and related taxa. Yano I, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):341-9

Glycolipids from Nocardia rhodochrous grown on glucose. Teixeira MC, et al. **Chem Phys Lipids** 1985 May; 37(2):155-64

B-factor, an essential regulatory substance inducing the production of rifamycin in a Nocardia sp. Kawaguchi T, et al. **J Antibiot (Tokyo)** 1984 Dec;37(12):1587-95

[Effect of isonicotinic acid hydrazide on mycolic acid synthesis in Nocardia rubra] Maekura R. **Kekkaku** 1984 Jul;59(7):435-40 (Eng. Abstr.) **(Jpn)**

[Selection of the medium for the simultaneous synthesis of an antibiotic, protease and pigment by a Nocardia fructiferi culture] Toropova EG, et al. **Biol Nauki** 1984;(10):96-101 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Regeneration of Nocardia orientalis protoplasts] Trenin AS, et al. **Antibiotiki** 1984 Jul;29(7):495-500 (Eng. Abstr.) **(Rus)**

NOCARDIA ASTEROIDES

Intracellular acid phosphatase content and ability of different macrophage populations to kill Nocardia asteroides. Black CM, et al. **Infect Immun** 1985 Feb;47(2):375-83

DRUG EFFECTS

In-vitro susceptibility of Nocardia asteroides to 21 beta-lactam antibiotics, in combination with three beta-lactamase inhibitors, and its relationship to the beta-lactamase content. Kitzis MD, et al. **J Antimicrob Chemother** 1985 Jan;15(1):23-30

GROWTH & DEVELOPMENT

Inhibition of Nocardia asteroides by neutrophils. Filice GA. **J Infect Dis** 1985 Jan;151(1):47-56

IMMUNOLOGY

Protective immunity to systemic nocardiosis in mice immunized with cell extract antigens of Nocardia asteroides. Gupta R, et al. **Med Microbiol Immunol (Berl)** 1985;174(3):157-66

ISOLATION & PURIFICATION

Nocardia in soils of southeastern Spain: abundance, distribution, and chemical characterisation. Valero-Guillén PL, et al. **Can J Microbiol** 1984 Aug;30(8):1088-92

Mycoplasma pneumoniae and Nocardia asteroides in lung biopsy tissue of an immunodeficient infant. Andersen RD, et al. **Diagn Microbiol Infect Dis** 1985 Mar;3(2):175-7

Spontaneous nocardiosis with brain abscess caused by Nocardia asteroides in a cynomolgus monkey. Sakakibara I, et al. **J Med Primatol** 1984;13(2):89-95

PATHOGENICITY

Role of superoxide dismutase and catalase as determinants of pathogenicity of Nocardia asteroides: importance in resistance to microbicidal activities of human polymorphonuclear neutrophils. Beaman BL, et al. **Infect Immun** 1985 Jan;47(1):135-41

ULTRASTRUCTURE

The electron microscopic appearance of Nocardia asteroides in human lung tissue [letter] Kamat BR, et al. **Arch Pathol Lab Med** 1984 Nov;108(11):862-4

NOCARDIA INFECTIONS

Nocardia keratitis. Climenhaga DB, et al. **Can J Ophthalmol** 1984 Oct;19(6):284-6

Mycobacterial, fungal, actinomycotic, and nocardial infections of the pleura. George RB, et al. **Clin Chest Med** 1985 Mar;6(1):63-75

Nocardia asteroides sepsis of the knee. Wilkerson RD, et al. **Clin Orthop** 1985 Jul-Aug;(197):206-8

Cerebral nocardiosis. Shashikala CA, et al. **J Assoc Physicians India** 1985 Feb;33(2):182-3

Nocardial osteomyelitis of the spine with epidural spinal cord compression—a case report. Awad I, et al. **Neurosurgery** 1984 Aug;15(2):254-6

Pulmonary nocardiosis in a child with systemic lupus erythematosus. Garty BZ, et al. **Pediatr Infect Dis** 1985 Jan-Feb;4(1):66-8

[Nocardiosis] Lebreux E, et al. **Union Med Can** 1985 May; 114(5):421-3 (Eng. Abstr.) **(Fre)**

[Cavitary nocardia asteroides pneumonia] López Lagunas I, et al. **Rev Clin Esp** 1984 Dec 15-31;175(5-6):233-5 **(Spa)**

COMPLICATIONS

Nocardia lung infection with hematogenous spread in a woman with adrenal cortical hyperfunction. Pesce CM, et al. **Eur J Respir Dis** 1984 Nov;65(8):613-5

Nocardia asteroides aortitis with perforation of the aorta. Allevato PA, et al. **Hum Pathol** 1985 Jul;16(7):743-6

Central nervous system nocardiosis associated with a traumatic polymicrobial brain abscess. Stallworth JR, et al. **Pediatr Infect Dis** 1985 Jul-Aug;4(4):411-3

DIAGNOSIS

Cutaneous nocardiosis. Case reports and review. Kalb RE, et al. **J Am Acad Dermatol** 1985 Jul;13(1):125-33

[Systemic nocardiosis: apropos of 2 cases] Carnevale G, et al. **G Ital Chemioter** 1984 Sep-Dec;31(3):253-8 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Treatment of Nocardia keratitis with topical trimethoprim-sulfamethoxazole. Donnenfeld ED, et al. **Am J Ophthalmol** 1985 May 15;99(5):601-2

Nocardia asteroides infection with dissemination to skin and joints. Boudoulas O, et al. **Arch Dermatol** 1985 Jul; 121(7):898-900

ETIOLOGY

The role of cell-wall associated lipids in the pathogenesis of lesions in experimental murine nocardiosis vs lesions produced by Mycobacterium fortuitum. Miller-Hardy DK, et al. **Comp Immunol Microbiol Infect Dis** 1984;7(2):109-24

Nocardia brasiliensis lymphocutaneous syndrome in a patient with lymphosarcoma. Wishnitzer R, et al. **Dermatologica** 1984;169(4):215-6

Nocardiosis in patients treated with corticosteroids. A report on three cases. Macfarlane DE, et al. **West Indian Med J** 1985 Jun;34(2):134-8

[Nocardiosis in immunosuppressed patients] Ausina V, et al. **Med Clin (Barc)** 1985 Jan 26;84(3):90-5 (Eng. Abstr.) **(Spa)**

[Pulmonary nocardiosis. Apropos of a case (letter)] Cervantes Ruipérez A, et al. **Med Clin (Barc)** 1985 May 18; 84(19):796-7 **(Spa)**

IMMUNOLOGY

Antibody response in human nocardiosis: identification of two immunodominant culture-filtrate antigens derived from Nocardia asteroides. Sugar AM, et al. **J Infect Dis** 1985 May;151(5):895-901

Protective immunity to systemic nocardiosis in mice immunized with cell extract antigens of Nocardia asteroides. Gupta R, et al. **Med Microbiol Immunol (Berl)** 1985;174(3):157-66

MICROBIOLOGY

Disseminated cutaneous Nocardia brasiliensis infection. Callen JP, et al. **Pediatr Dermatol** 1984 Jul;2(1):49-51

PATHOLOGY

Exogenous intraocular nocardiosis. Chiemchaisri YW, et al. **J Med Assoc Thai** 1985 Jan;68(1):29-32

RADIOGRAPHY

Pleural and extrapleural disease in Nocardia infections. Rubin E, et al. **J Can Assoc Radiol** 1984 Jun;35(2):189-91

VETERINARY

Nocardia asteroides infection in horses: a review. Biberstein EL, et al. **J Am Vet Med Assoc** 1985 Feb 1;186(3):273-7

Spontaneous nocardiosis with brain abscess caused by Nocardia asteroides in a cynomolgus monkey. Sakakibara I, et al. **J Med Primatol** 1984;13(2):89-95

Disseminated nocardiosis in three macaque monkeys. Liebenberg SP, et al. **Lab Anim Sci** 1985 Apr;35(2):162-6

NOCARDIACEAE

ANALYSIS

A new antiviral antibiotic SF-2140 produced by Actinomadura. Ito T, et al. **J Antibiot (Tokyo)** 1984 Aug; 37(8):931-4

METABOLISM

Isolation and characterization of I5B2, a new phosphorus containing inhibitor of angiotensin I converting enzyme produced by Actinomadura sp. Kido Y, et al. **J Antibiot (Tokyo)** 1984 Sep;37(9):965-9

NOCICEPTORS

DRUG EFFECTS

Enkephalinase inhibition prevented tolerance to nitrous oxide analgesia in rats. Rupreht J, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):617-620

Apparent pA2 estimates for an antinociceptive receptor. Parale MP, et al. **Arch Int Pharmacodyn Ther** 1985 May; 275(1):59-67

Pain-depressing agents and the spinal nociceptive system. Jurna I. **Arzneimittelforsch** 1984;34(9A):1084-8

Effects of capsaicin applied to a peripheral nerve on the responses of primate spinothalamic tract cells. Chung JM, et al. **Brain Res** 1985 Mar 11;329(1-2):27-38

Increase in substance P in the dorsal horn during a chemogenic nociceptive stimulus. Kantner RM, et al. **Brain Res** 1985 Jul 8;338(1):196-9

Abnormal activity of polymodal receptors induced by clioquinol (5-chloro-7-iodo-8-hydroxyquinoline). Kumazawa T, et al. **Brain Res** 1984 Sep 17;310(1):185-8

Failure of ES 52, a highly potent enkephalinase inhibitor, to affect nociceptive transmission by rat dorsal horn convergent neurones. Villanueva L, et al. **Brain Res** 1985 Apr 29;333(1):156-60

Effects of intrathecally administered THIP, baclofen and muscimol on nociceptive threshold. Hammond DL, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):121-5

Differential effects of phenylbutazone and local anesthetics on nociception in the equine. Kamerling SG, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):35-41

Analgesic effects of cyclazocine and morphine microinjected into the rat dorsomedial hypothalamus demonstrated by the bradykinin-induced flexor reflex test. Kawajiri S, et al. **Eur J Pharmacol** 1985 Apr 23;111(1):117-20

Leukotrienes reduce nociceptive responses to bradykinin. Schweizer A, et al. **Eur J Pharmacol** 1984 Oct 1; 105(1-2):105-12

Onset of pain threshold changes induced by neonatal monosodium glutamate. Badillo-Martinez D, et al. **Int J Neurosci** 1984 Nov;24(3-4):275-9

Halothane sensitizes cutaneous nociceptors in monkeys. Campbell JN, et al. **J Neurophysiol** 1984 Oct;52(4):762-70

Antinociception and paralysis induced by intrathecal dynorphin A. Herman BH, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):27-32

Pharmacological analysis of alpha-2 adrenergic mechanisms in nociception and ataxia. Luttinger D, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):883-9

Stereoselective enhancement of nociception by opioids in different strains of mice. Ramabadran K. **Jpn J Pharmacol** 1985 Mar;37(3):296-9

Structural requirements for cannabinoid-induced antinociceptive activity in mice. Martin BR. **Life Sci** 1985 Apr 22;36(16):1523-30

Irreversible and reversible narcotic agonists: discriminative and analgesic effects of buprenorphine, oxymorphazone, and morphine. France CP, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:136-42

Relationship of plasma level and pharmacological activity of methadone. Liu SJ, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:128-35

Evaluation of new compounds for opioid activity (1983). Woods JH, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:361-7

A comparison of physostigmine and soman using taste aversion and nociception. Romano JA, et al. **Neurobehav Toxicol Teratol** 1985 May-Jun;7(3):243-9

Perinatal exposure to methadone alters sensitivity to drugs in adult rats. Zagon IS, et al. **Neurobehav Toxicol Teratol** 1984 Jul-Aug;6(4):319-23

Comparison of mu, kappa and sigma preferring agonists for effects on spinal nociceptive and other responses in rats. Headley PM, et al. **Neuropeptides** 1984 Dec;5(1-3):249-52

Depression of nociceptive sensory activity in the rat spinal cord due to the intrathecal administration of drugs: effect of diazepam. Jurna I. **Neurosurgery** 1984 Dec;15(6):917-20

A study of intracerebroventricular self-administration of leucine or methionine enkephalin by rats in response to intermittent electric shocks. Dib B. **Pain** 1985 May; 22(1):49-57

A psychophysical analysis of morphine analgesia. Price DD, et al. **Pain** 1985 Jul;22(3):261-9

Ketamine analgesia is not related to an opiate action in the periaqueductal gray region of the rat brain. Smith DJ, et al. **Pain** 1985 Mar;21(3):253-65

Potentiation of morphine antinociception by monoamine reuptake inhibitors in the rat spinal cord. Taiwo YO, et al. **Pain** 1985 Apr;21(4):329-37

Opiate receptor supersensitivity produced by chronic naloxone treatment: dissociation of morphine-induced antinociception and conditioned taste aversion. Bardo MT, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):591-7

Effects of triethyl lead on hot-plate responsiveness and biochemical properties of hippocampus. Bondy SC, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1007-11

Effects of chronically elevated intake of different concentrations of saccharin on morphine tolerance in genetically selected rats. Cohen E, et al. **Physiol Behav** 1984 Jun;32(6):1041-3

Cold water stress analgesia in rats: differential effects of naltrexone. Girardot MN, et al. **Physiol Behav** 1984 Apr; 32(4):547-55

Substance P administration to neonatal rats increases adult sensitivity to substance P. Handelmann GE, et al. **Physiol Behav** 1984 Aug;33(2):297-300

Promethazine both facilitates and inhibits nociception in rats: effect of the testing procedure. Paalzow GH, et al. **Psychopharmacology (Berlin)** 1985;85(1):31-6

[Effects of serial administration of vanillyl n-nonoylamide on vocalization responses by arterial algogenics in guinea pigs] Andoh R, et al. **Nippon Yakurigaku Zasshi** 1985 Jun; 85(6):481-6 (Eng. Abstr.) **(Jpn)**

[Effect of morphine on the change in the nociceptive and non-nociceptive evoked potentials in the orbitofrontal and secondary somatosensory areas of the cerebral cortex in different functional states] Kukushkin ML, et al. **Farmakol Toksikol** 1984 Nov-Dec;47(6):25-8 (Eng. Abstr.) **(Rus)**

[Mechanisms of the hemodynamic effects of analgesics and neurotropic agents during nociceptive stimulation] Ignatov IuD, et al. **Vestn Akad Med Nauk SSSR** 1984;(11):48-54 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Atropine-sensitive gastric smooth muscle excitation by mucosal nociceptive stimulation—the involvement of an axon reflex? Delbro D, et al. **Acta Physiol Scand** 1984 Dec; 122(4):621-7

Defeat, learned submissiveness, and analgesia in mice: effect of genotype. Siegfried B, et al. **Behav Neural Biol** 1984 Sep;42(1):91-7

Psychophysical and electrophysiological approaches to the pain-relieving effects of heterotopic nociceptive stimuli. Willer JC, et al. **Brain** 1984 Dec;107 (Pt 4):1095-112

Bilateral lesions of the dorsolateral funiculus of the cat spinal cord: effects on basal nociceptive reflexes and nociceptive suppression produced by cholinergic activation of the pontine parabrachial region. Hayes RL, et al. **Brain Res** 1984 Oct 8;311(2):267-80

Spinal cord dynorphin may modulate nociception via a kappa-opioid receptor in chronic arthritic rats. Millan MJ, et al. **Brain Res** 1985 Aug 5;340(1):156-9

Effect of alpha 2 adrenergic agents upon central etorphine antinociception in the cat. Ossipov MH, et al. **Brain Res** 1984 Aug 20;309(1):135-42

An assessment of the antinociceptive and aversive effects of stimulating identified sites in the rat brain. Prado WA, et al. **Brain Res** 1985 Aug 12;340(2):219-28

The encoding of thermal stimuli applied to the tail of the rat by lowering the excitability of trigeminal convergent neurones. Villanueva L, et al. **Brain Res** 1985 Mar 25; 330(2):245-51

Spinal pharmacology of pain and its modulation. Yaksh TL. **Clin Neurosurg** 1983;31:291-303

Reflex adrenergic inhibition of colonic motility in anesthetized rat caused by nociceptive stimuli of peritoneum. An alpha 2-adrenoceptor-mediated response. Sjöqvist A, et al. **Dig Dis Sci** 1985 Aug;30(8):749-54

Nociceptive neurones in the superficial dorsal horn of cat lumbar spinal cord and their primary afferent inputs. Steedman WM, et al. **Exp Brain Res** 1985;58(1):171-82

Electrical stimulation of the substantia nigra does not increase tail-flick latency in the rat. Duggal KN, et al. **Exp Neurol** 1985 Feb;87(2):300-8

Both thermal and nociceptive afferents influence the unit activity of the neurons in the corpus striatum. Lin MT, et al. **Experientia** 1985 Jan 15;41(1):120-2

Effect of bilateral caudatal lesion on pain threshold in rats. Mulgaonker VK, et al. **Indian J Physiol Pharmacol** 1984 Apr-Jun;28(2):121-7

Pain threshold changes in rats following central injection of beta-endorphin, met-enkephalin, vasopressin or oxytocin antisera. Bodnar RJ, et al. **Int J Neurosci** 1984 Oct;24(2):149-60

The contribution of neurogenic inflammation in experimental arthritis. Levine JD, et al. **J Immunol** 1985 Aug;135(2 Suppl):843s-847s

Somatotopic distribution of trigeminal nociceptive neurons in ventrobasal complex of cat thalamus. Yokota T, et al. **J Neurophysiol** 1985 Jun;53(6):1387-400

Effects of feet cooling on pain, thermal sensation and cardiovascular responses. Tanaka M, et al. **J Sports Med Phys Fitness** 1985 Mar-Jun;25(1-2):32-9

Mechanisms underlying the intestinal fluid secretion evoked by nociceptive serosal stimulation of the rat. Brunsson I, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):439-45

5-Hydroxytryptamine and antinociception. Roberts MH. **Neuropharmacology** 1984 Dec;23(12B):1529-36 (58 ref.)

Spinal peptidergic and catecholaminergic systems and nociception. Howe JR, et al. **Neurosurgery** 1984 Dec; 15(6):904-12

A positive feedback loop between spinal cord nociceptive pathways and antinociceptive areas of the cat's brain stem. Cervero F, et al. **Pain** 1984 Oct;20(2):125-38

Tooth pulp-evoked potentials in the monkey: cortical surface and intracortical distribution. Chudler EH, et al. **Pain** 1985 Jul;22(3):221-33

Acupuncture analgesia [letter] Han JS. **Pain** 1985 Mar; 21(3):307-10

Thermal inhibition of nociceptor-driven spinal cord neurones in the rat. Kanui TI. **Pain** 1985 Mar;21(3):231-40

Responses of single cutaneous fibers to noxious thermal pulse stimulation of cat upper hind limb. Li CY, et al. **Pain** 1985 Jan;21(1):17-24

Observations on facial nociception in a monkey after destruction of the rostral part of the trigeminal sensory nuclear complex. Lisney SJ. **Pain** 1985 Feb;21(2):129-35

Ventrolateral medullary lesions block the antinociceptive and cardiovascular responses elicited by stimulating the dorsal periaqueductal grey matter in rats. Lovick TA. **Pain** 1985 Mar;21(3):241-52

Spatial summation of pre-pain and pain in human teeth [letter] Mumford JM, et al. **Pain** 1985 Jul;22(3):320-1

The pain system. The neural basis of nociceptive transmission in the mammalian nervous system. Willis WD Jr. **Pain Headache** 1985;8:1-346 (999 ref.)

Opiate withdrawal behavior after focal brain stimulation. Williams DA, et al. **Pharmacol Biochem Behav** 1984 Nov; 21(5):699-703

Nociception and pain. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19;308(1136):219-431

Visceral nociception: peripheral and central aspects of visceral nociceptive systems. Cervero F. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):325-37

Spinal processing: anatomy and physiology of spinal nociceptive mechanisms. Iggo A, et al. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):235-52

Nociceptor activation and pain. Torebjörk E. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):227-34

Reduction in cervical probing analgesia by repeated prior exposure to cold-water swims. Bodnar RJ, et al. **Physiol Behav** 1984 Apr;32(4):653-5

Mechanism of action of suprofen, a new peripheral analgesic, as demonstrated by its effects on several nociceptive mediators. Dubinsky B, et al. **Prostaglandins** 1984 Aug; 28(2):241-52

Suppression of bulboreticular unit responses to noxious stimuli by analgesic mesencephalic stimulation. Morrow TJ, et al. **Somatosens Res** 1983;1(2):151-68

Impulse activity evokes precocious sprouting of nociceptive nerves into denervated skin. Nixon BJ, et al. **Somatosens Res** 1984;2(2):97-126

Immunohistochemical demonstration of nociceptors in the ligamentous structures of the lumbar spine. Korkala O, et al. **Spine** 1985 Mar;10(2):156-7

[The spinal enkephalinergic and serotoninergic systems in the control of transmission of nociceptive messages] Cesselin F, et al. **J Pharmacol** 1985;16 Suppl 1:119-37 (70 ref.) (Eng. Abstr.) **(Fre)**

[Computer simulation of sensory pain reception by an elastic skin model] Akamatsu M. **Iyodenshi To Seitai Kogaku** 1984 Jun;22(3):186-93 (Eng. Abstr.) **(Jpn)**

[Electrophysiological study of the hypothalamic projection of nociceptive afferents of the dental pulp] Baklavadzhian OG, et al. **Fiziol Zh** 1984 Sep-Oct;30(5):579-86 (Eng. Abstr.) **(Rus)**

[Changes in cortical evoked potentials during interaction of nociceptive and non-nociceptive (tactile) stimulation in rabbits] Zlatin RS, et al. **Fiziol Zh** 1985 Mar-Apr; 31(2):213-5 **(Rus)**

PHYSIOPATHOLOGY

Inescapable shock, neurotransmitters, and addiction to trauma: toward a psychobiology of post traumatic stress. van der Kolk B, et al. **Biol Psychiatry** 1985 Mar; 20(3):314-25

Do large diameter cutaneous afferents have a role in the transmission of nociceptive messages? Wiesenfeld-Hallin Z, et al. **Brain Res** 1984 Oct 8;311(2):375-9

gamma-Aminobutyric acid-ergic analgesia: implications for gamma-aminobutyric acid-ergic therapy for drug addictions. DeFeudis FV. **Drug Alcohol Depend** 1984 Oct; 14(2):101-11

Somatosensory evoked potentials (SEP) in relation to nociception and anesthesia. Bertens AP. **Electromyogr Clin Neurophysiol** 1985 Jan-Feb;25(1):3-33

Autotomy following limb denervation: effects of sparing selected afferents. Rabin AG, et al. **Pain** 1985 Feb; 21(2):117-28

Autotomy following limb denervation: effects of previous exposure to neurectomy. Rabin AG, et al. **Pain** 1985 Feb; 21(2):105-15

[Acute inflammation and hyperalgesia: their consequences on the responses of various neurons of the ventrobasal thalamic complex in rats] Benoist JM, et al. **C R Acad Sci [III]** 1984;299(10):401-4 (Eng. Abstr.) **(Fre)**

[A method of the complex evaluation of the pain reaction] Shugailov IA. **Anesteziol Reanimatol** 1985 Jan-Feb; (1):47-51 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Ionizing radiation induces opioid-mediated analgesia in male mice. Teskey GC, et al. **Life Sci** 1984 Oct 8;35(15):1547-52

NODOSE GANGLION see under **VAGUS NERVE**

NOGALAMYCIN see under **DAUNORUBICIN**

NOISE

see related

ACOUSTIC STIMULATION
HEARING LOSS, NOISE-INDUCED
SOUND

Hyperlipidemia and noise in the chinchilla. Morizono T, et al. **Acta Otolaryngol (Stockh)** 1985 May-Jun;99(5-6):516-24

The effects of noise on the naming of colours and reading of colour names. Smith AP, et al. **Acta Psychol (Amst)** 1985 Mar;58(3):275-85

Effects of noise and quinine on the vessels of the stria vascularis: an image analysis study. Smith DI, et al. **Am J Otolaryngol** 1985 Jul-Aug;6(4):280-9

A comparison of two methods of measuring personal noise exposure. Shackleton S, et al. **Ann Occup Hyg** 1984; 28(4):373-90

Occupational aspects of infrasound and whole body vibrations. Landström U. **Arh Hig Rada Toksikol** 1983 Dec; 34(4):287-93

Temporal resolution in background noise. Zwicker E. **Br J Audiol** 1985 Feb;19(1):9-12

Interrupted noise as a tinnitus masker: an annoyance study. Letowski TR, et al. **Ear Hear** 1985 Mar-Apr;6(2):65-70

Study on the mechanism of the appearance of noise effects. Okada A, et al. **Eur J Applied Physiol** 1985;53(4):364-7

Potential role of angiotensin II in noise-induced increases in inner ear blood flow. Wright JW, et al. **Hear Res** 1985 Jan;17(1):41-6

Noise levels in a hospital. Bovenzi M, et al. **Ind Health** 1984; 22(2):75-82

Effect of the temporal pattern of a given noise dose on TTS in guinea pigs. Buck K, et al. **J Acoust Soc Am** 1984 Oct; 76(4):1090-7

Effects of background noise level on detection of tone glides. Collins MJ, et al. **J Acoust Soc Am** 1984 Dec;76(6):1696-8

Community response to noise: is all noise the same? Hall FL. **J Acoust Soc Am** 1984 Oct;76(4):1161-8

Perceived magnitude of two-tone-noise complexes: loudness, annoyance, and noisiness. Hellman RP. **J Acoust Soc Am** 1985 Apr;77(4):1497-504

A central spectrum model for the perception of coloration in filtered Gaussian noise. Kates JM. **J Acoust Soc Am** 1985 Apr;77(4):1529-34

Assessment of community response to impulsive noise. Schomer PD. **J Acoust Soc Am** 1985 Feb;77(2):520-35

Detection of temporal gaps in bandlimited noise: effects of variations in bandwidth and signal-to-masker ratio. Shailer MJ, et al. **J Acoust Soc Am** 1985 Feb;77(2):635-9

Speech recognition in noise by individuals with mild hearing impairments. Suter AH. **J Acoust Soc Am** 1985 Sep; 78(3):887-900

The effects of a sensory extinction procedure on stereotypic sounds of two autistic children. Aiken JM, et al. **J Autism Dev Disord** 1984 Sep;14(3):291-9

Collagen biosynthesis related to temporomandibular joint clicking in childhood. Gage JP. **J Prosthet Dent** 1985 May; 53(5):714-7

Phoneme feature perception in noise by normal-hearing and hearing-impaired subjects. Gordon-Salant S. **J Speech Hear Res** 1985 Mar;28(1):87-95

Effect of crowding on emotional reactivity in male rats. Armario A, et al. **Neuroendocrinology** 1984 Oct;39(4):330-3

Individual differences in the responses to repeated bell sound bursts of heart rate and plethysmogram from the index finger. Kabuto M, et al. **Nippon Eiseigaku Zasshi** 1984 Aug; 39(3):651-61

Peace and quiet. Bluestone N. **Penn Med** 1984 Dec;87(12):54, 56

Interactive effects of noise with illumination and age on activity of rats. Delay ER. **Percept Mot Skills** 1985 Apr; 60(2):479-83

An analysis of some behavioural effects of the vibration and noise components of transport in pigs. Stephens DB, et al. **Q J Exp Physiol** 1985 Apr;70(2):211-7

Effects of chronic noise or daily water restriction on the pituitary-adrenal axis in male rats. Armario A, et al. **Rev Esp Fisiol** 1984 Jun;40(2):153-7

[Importance of the phonetic structure of words for their intelligibility under noisy conditions] Danev S. **Probl Khig** 1984;9:36-41 (Eng. Abstr.) **(Bul)**

[Studies on human body responses to noise. Part III. An experimental study on responses of breathing rate, heart rate and blood pressure in 3 age groups] Wang LT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Feb;84(2):222-7 (Eng. Abstr.) **(Chi)**

[Can environmental noise be injurious to health?] Ising H. **Schriftenr Ver Wasser Boden Lufthyg** 1985;63:109-22 (109 ref.) **(Ger)**

[Survey on aircraft noise in the environs of Fiumicino

NEWARK PUBLIC LIBRAR

Airport. Critical analysis and evaluation of the results] Cosa G, et al. **Ann Ist Super Sanita** 1983;19(2–3):449–65 (Eng. Abstr.) **(Ita)**

[Noise, technology and TLV in the jurisprudence of the Supreme Court] Guariniello R. **Med Lav** 1984 Jul–Aug; 75(4):251–3 **(Ita)**

[Changes of neurotransmitter, lipid peroxide and their metabolic related enzyme activities in the brain of rats exposed to noise and vitamin E] Sakuma N. **Hokkaido Igaku Zasshi** 1984 Sep;59(5):549–85 (Eng. Abstr.) **(Jpn)**

[A study of voice levels in noise for selection of hearing aids] Kano Y. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Feb; 88(2):138–47 (Eng. Abstr.) **(Jpn)**

[Morphological changes of the afferent and efferent nerve endings of the outer hair cells after acoustic exposure] Omata T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep; 87(9):1103–10 (Eng. Abstr.) **(Jpn)**

[Effect of mechanical vibrations and noise on creatine kinase activity in workers] Sroczyński J, et al. **Med Pr** 1984; 35(5):383–6 (Eng. Abstr.) **(Pol)**

[Effect of noise on the results of the visual motor coordination test and coding test in elementary school pupils] Goryński P, et al. **Rocz Panstw Zakl Hig** 1984; 35(3):289–95 (Eng. Abstr.) **(Pol)**

[Accuracy of measurements of time–variables noise using a meter for measuring noise level] Koszarny Z. **Rocz Panstw Zakl Hig** 1984;35(6):569–77 (Eng. Abstr.) **(Pol)**

[Effect of noise on cardiovascular system indices of young children] Pryvchev VN, et al. **Fiziol Cheloveka** 1984 Nov–Dec;10(6):946–50 **(Rus)**

[Hygienic aspects of an information model of noise] Kolganov AV, et al. **Gig Sanit** 1985 Jun;(6):19–22 (Eng. Abstr.) **(Rus)**

[Effect of vibration and noise on the functional state of an operator] Kamenskiĭ IuN. **Gig Tr Prof Zabol** 1984 Oct; (10):38–9 **(Rus)**

[Evaluation of the effect of noise by the sound level] Mett LI. **Gig Tr Prof Zabol** 1984 Oct;(10):46–8 **(Rus)**

[Hygienic assessment of the noise in living quarters near an airdrome] Lomov OP, et al. **Voen Med Zh** 1985 Mar; (3):45–6 **(Rus)**

ADVERSE EFFECTS

The effect of acoustic stimulus of different continuity pattern on plasma concentration of catecholamines in humans during submaximal exercise. Buczyński A, et al. **Acta Physiol Pol** 1983 Sep–Dec;34(5–6):595–600

Influence of occupational noise and vibrations of central auditory and vestibular system. Novotný Z, et al. **Acta Univ Carol [Med] (Praha)** 1984;30(7–8):565–84

Cochlear vascular and sensory cell changes induced by elevated temperature and noise. Shaddock LC, et al. **Am J Otolaryngol** 1984 Mar–Apr;5(2):99–107

Longitudinal study of growth status and airport noise exposure. Schell LM, et al. **Am J Phys Anthropol** 1985 Apr;66(4):383–9

Damage to the cochlea following interrupted exposure to low frequency noise. Bohne BA, et al. **Ann Otol Rhinol Laryngol** 1985 Mar–Apr;94(2 Pt 1):122–8

Effect of high intensity impulse noise on the vascular system of the chinchilla cochlea. Shaddock LC, et al. **Ann Otol Rhinol Laryngol** 1985 Jan–Feb;94(1 Pt 1):87–92

Changing relationships between structure and function in the cochlea during recovery from intense sound exposure. Thorne PR, et al. **Ann Otol Rhinol Laryngol** 1985 Jan–Feb; 94(1 Pt 1):81–6

The hospital-based helicopter. A threat to hearing? Pasic TB, et al. **Arch Otolaryngol** 1985 Aug;111(8):507–8

Variability in the depression of cochlear microphonic responses after noise exposure. Legouix JP, et al. **Audiology** 1985;24(3):227–31

The harmful effects of noise in a children's ward. Keipert JA. **Aust Paediatr J** 1985 May;21(2):101–3

Noise, biased probability and serial reaction. Smith AP. **Br J Psychol** 1985 Feb;76 (Pt 1):89–95

Haemodynamic effects of loud noise in hypertensive patients treated with combined beta-adrenoceptor blockade and precapillary vasodilatation. Eggertsen R, et al. **Eur Heart J** 1984 Jul;5(7):556–60

Daytime noise and subsequent night sleep in man. Fruhstorfer B, et al. **Eur J Applied Physiol** 1984;53(2):159–63

Effects of acute exposure to increased levels of background industrial noise on cigarette smoking behavior. Cherek DR. **Int Arch Occup Environ Health** 1985;56(1):23–30

Study on an evaluation index for noise susceptibility. II. Reduction of [ART1k–ARTWN] and critical bandwidth in acoustic reflex. Miyakita T, et al. **Int Arch Occup Environ Health** 1985;55(4):295–303

Study on an evaluation index for noise susceptibility. I. Estimation of critical bandwidth in acoustic reflex. Miyakita T, et al. **Int Arch Occup Environ Health** 1985; 55(4):285–93

Daytime noise stress and subsequent night sleep: interference with sleep patterns, endocrine and neurocrine functions. Fruhstorfer B, et al. **Int J Neurosci** 1985 May; 26(3–4):301–10

Cardiovascular effects of noise during complex task performance. Ray RL, et al. **Int J Psychophysiol** 1984 Jun; 1(4):335–40

Aircraft noise annoyance at three joint air carrier and general aviation airports. Fidell S, et al. **J Acoust Soc Am** 1985 Mar;77(3):1054–68

Noise levels and hearing thresholds in the drop forging industry. Taylor W, et al. **J Acoust Soc Am** 1984 Sep; 76(3):807–19

Penalty for impulse noise, derived from annoyance ratings for impulse and road–traffic sounds. Vos J, et al. **J Acoust Soc Am** 1985 Jan;77(1):193–201

Personal and environmental predictors of patient disturbance due to hospital noise. Topf M. **J Appl Psychol** 1985 Feb; 70(1):22–8

Environmental noise and children: review of recent findings. De Joy DM. **J Aud Res** 1983 Jul;23(3):181–94

Combined effect of some physical and chemical factors. Ivanovich E, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(2):105–10

VDUs and relative annoyance from high frequency noise [letter] Chatterjee DS, et al. **J Occup Med** 1984 Aug; 26(8):552–3

Occupational noise exposure and hearing loss characteristics of a blue–collar population. Helmkamp JC, et al. **J Occup Med** 1984 Dec;26(12):885–91

Hearing loss and intermittent noise exposure. Sataloff J, et al. **J Occup Med** 1984 Sep;26(9):649–56

An audiometric survey of Royal Artillery gun crews following 'Operation Corporate'. Anderson J. **J R Army Med Corps** 1984 Jun;130(2):100–8

Occupational exposure to heat or noise and reduced fertility [letter] Baird DD. **JAMA** 1985 May 10;253(18):2643–4

Noisy work and hypertension [letter] Delin CO. **Lancet** 1984 Oct 20;2(8408):931

Dental drill noise and hearing conservation. Sheldon N, et al. **NY State Dent J** 1984 Nov;50(9):557, 560–1

Occupational health hazard for sports administrators [letter] Greig MH. **NZ Med J** 1985 May 22;98(779):400

Documentation: the weak link in audiometric monitoring programs. Gasaway DC. **Occup Health Saf** 1985 Jan; 54(1):28–33

Chronic noise stress and insulin secretion in male rats. Armario A, et al. **Physiol Behav** 1985 Mar;34(3):359–61

Enhanced blood pressure responses to loud noise in offspring of monkeys with high blood pressure. Kirby DA, et al. **Physiol Behav** 1984 May;32(5):779–83

Novel long–term cardiovascular effects of industrial noise. Turkkan JS, et al. **Physiol Behav** 1984 Jul;33(1):21–6

Type A and type B behaviour patterns, task type and sensitivity to noise. Moch A. **Psychol Med** 1984 Aug; 14(3):643–6

Sensitivity to noise in a community sample: I. Measurement of psychiatric disorder and personality. Stansfeld SA, et al. **Psychol Med** 1985 May;15(2):243–54

Sensitivity to noise in a community sample: II. Measurement of psychophysiological indices. Stansfeld SA, et al. **Psychol Med** 1985 May;15(2):255–63

The effects of noise on the processing of global shape and local detail. Smith AP. **Psychol Res** 1985;47(2):103–8

Is there an ototraumatic interaction between noise and solvents? Barregård L, et al. **Scand Audiol** 1984;13(3):151–5

[Physical factors of the work environment. Changes in the aorta in experimental exposure to noise and atherogenic diet] Antov G, et al. **Probl Khig** 1984;9:29–35 (Eng. Abstr.) **(Bul)**

[Joint effect on the body of ultrahigh–frequency electromagnetic energy and noise] Chuchkova M, et al. **Probl Khig** 1984;9:117–21 (Eng. Abstr.) **(Bul)**

[Investigation on the effect of industrial noise on human body] Liu JJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Mar;18(2):98–100 (Eng. Abstr.) **(Chi)**

[Effects of stable continuous high–frequency noise on the cardiovascular system of workers] Wu ZD. **Ssu Chuan I Hsueh Yuan Hsueh Pao** 1985 Mar;16(1):53–6 (Eng. Abstr.) **(Chi)**

[Studies on human body responses to noise. Part II. An experimental study on NITTS in 3 age groups] Wang LT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Oct; 83(10):1017–22 (Eng. Abstr.) **(Chi)**

[Auditory damage and occupational deafness] Dadole J, et al. **Acta Otorhinolaryngol Belg** 1984;38(2):186–91 **(Fre)**

[Noise–induced epilepsy] Giroud M, et al. **Ann Pediatr (Paris)** 1984 Oct;31(8):667–70 (Eng. Abstr.) **(Fre)**

[Interactions between vitamin A and DDT: the effect of cold and noise] Truhaut R, et al. **C R Acad Sci [III]** 1984; 299(19):759–60 (Eng. Abstr.) **(Fre)**

[Results of the acoustic stimulation of guinea pigs by different spectra and levels of intense noise] Loth D, et al. **Physiologie** 1984 Jul–Sep;21(3):219–29 **(Fre)**

[Health disorders caused by noise] Haider M, et al. **Acta Med Austriaca** 1984;11(5):161–4 (Eng. Abstr.) **(Ger)**

[Early and late reaction of the guinea pig cochlea to impulse noise] Meyer C, et al. **Anat Anz** 1985;158(1):5–12 (Eng. Abstr.) **(Ger)**

[New aspects of the vibration disease. Results of a study in a large factory] Grzegorczyk L. **Derm Beruf Umwelt** 1985; 33(2):55–8 (Eng. Abstr.) **(Ger)**

[Noise as a risk factor concept in cardiovascular diseases] Babisch W. **Schriftenr Ver Wasser Boden Lufthyg** 1985; 63:123–35 (9 ref.) **(Ger)**

[Modification of physiologic functions of the human body by noise of various frequencies] Brückner C, et al. **Z Gesamte Hyg** 1985 Apr;31(4):198–201 (Eng. Abstr.) **(Ger)**

[Effect of discotheque music on the subjective comfort of exposed persons] Burger G, et al. **Z Gesamte Hyg** 1985 Feb;31(2):85–7 (Eng. Abstr.) **(Ger)**

[Observation of meteorologic effects in the measurement of noise emissions in a community environment] Kirchhoff D. **Z Gesamte Hyg** 1985 Feb;31(2):82–4 (Eng. Abstr.) **(Ger)**

[New limits of noise emission at the work stations of workers] Müller W, et al. **Z Gesamte Hyg** 1984 Oct;30(10):561–5 (Eng. Abstr.) **(Ger)**

[Effect of simultaneous heat and noise stress on temporary shifting of the auditory threshold (TTS2)] Weinrich W. **Z Gesamte Hyg** 1984 Nov;30(11):646–7 (Eng. Abstr.) **(Ger)**

[Effect of street noise on blood catecholamines, cyclic AMP and various cardiovascular and metabolic functions in a group of subjects with untreated essential hypertension] Catapano F, et al. **Minerva Med** 1984 Oct 20;75(40):2361–7 (Eng. Abstr.) **(Ita)**

[Effects of continuous pure tone stimulation on blood pressure, plasma norepinephrine and urinary norepinephrine concentration in stroke–prone spontaneously hypertensive rats] Saito I, et al. **Hokkaido Igaku Zasshi** 1984 Nov;59(6):690–5 (Eng. Abstr.) **(Jpn)**

[Escalation of complaints induced by noise pollution] Yamamura K. **Hokkaido Igaku Zasshi** 1985 Jan;60(1):8–12 **(Jpn)**

[The effects of unpleasant sounds on human EEGs] Miyake S, et al. **Nippon Eiseigaku Zasshi** 1984 Jun;39(2):523–34 (Eng. Abstr.) **(Jpn)**

[Recommendations of maximum permissible exposure level (1984), made by Japanese Society of Industrial Health] **Sangyo Igaku** 1984 Jul;26(4):339–64 **(Jpn)**

[Analyses of the noise from and the exposure time to a chain saw and a bush cleaner in two veteran workers] Iki M, et al. **Sangyo Igaku** 1984 May;26(3):230–1 **(Jpn)**

[Acoustic reflex in workers using hand–held vibration tools. Combined effects of noise and local vibration] Miyakita T, et al. **Sangyo Igaku** 1984 Mar;26(2):116–24 (Eng. Abstr.) **(Jpn)**

[Noise injuries] Sollie P. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35–36):2504–6 **(Nor)**

[Permanent shift of auditory thresholds caused by continuous and impulse noise: comparative studies] Sułkowski W. **Med Pr** 1984;35(5):365–71 (Eng. Abstr.) **(Pol)**

[Viscosity and osmotic pressure of whole blood in workers exposed to occupational hazards (mainly mechanical vibration and noise)] Turczyński B, et al. **Pol Tyg Lek** 1984 Apr 9;39(15):497–500 (Eng. Abstr.) **(Pol)**

[Erythrocyte aggregation indicator and blood viscosity in workers exposed to combined effects of the work environment (mainly mechanical vibration and noise)] Turczyński B, et al. **Pol Tyg Lek** 1984 Sep 24;39(39):1285–8 (Eng. Abstr.) **(Pol)**

[Various plasma components and whole blood viscosity in workers exposed to combined effects of the work environment (mainly mechanical vibration and noise)] Turczyński B, et al. **Pol Tyg Lek** 1984 Sep 24;39(39):1281–3 (Eng. Abstr.) **(Pol)**

[Subjective evaluation of health status and opinions with regard to harmful environmental factors of the population of Płock] Krzyżanowski M. **Przegl Epidemiol** 1984; 38(3):295–300 (Eng. Abstr.) **(Pol)**

['Otic sonotrepidosis' and the bone changes in pneumatic hammer operators] Ghibuş I, et al. **Rev Chir [Otorinolaringol]** 1984 Jul–Sep;29(3):191–8 (Eng. Abstr.) **(Rum)**

[Ultrastructure of the cerebral cortex of the rat during noise stress and alcoholic intoxication] Artiukhina NI, et al. **Arkh Anat Gistol Embriol** 1984 Nov;87(11):23–30 (Eng. Abstr.) **(Rus)**

[Biogenic amine content of brain sections, blood and adrenals of rabbits exposed to vibration and noise] Minasian SM, et al. **Fiziol Zh SSSR** 1985 Apr;71(4):439–45 (Eng. Abstr.) **(Rus)**

[Function of the central and peripheral nervous systems in exposure to transportation noise of varying intensity] Kabalova LA, et al. **Gig Sanit** 1985 Jun;(6):22–4 (Eng. Abstr.) **(Rus)**

[Changes in the functional state of neutrophils in rats exposed to noise] Lomov OP, et al. **Gig Sanit** 1985 Feb;(2):71–2 **(Rus)**

[Dose–bioeffect relationship in long–term exposure to occupational noise] Mukhin VV, et al. **Gig Sanit** 1984 Aug; (8):18–21 (Eng. Abstr.) **(Rus)**

[Effect of broad–band constant noise on the functioning of various systems in the animal body] Pochobut LV. **Gig Sanit** 1984 Nov;(11):36–8 (Eng. Abstr.) **(Rus)**

[Effect of noise on floating drilling rigs on the hearing of personnel] Varenikov II, et al. **Gig Sanit** 1985 Apr;(4):33–5 (Eng. Abstr.) **(Rus)**

[Effect of ship noise on the rate of free associations in sailors during long sea voyages] Volkov AA, et al. **Gig Sanit** 1985 Feb;(2):82–3 **(Rus)**

[Mechanism of the effect of noise on the labyrinth] Alekseev SV, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):22–4 (Eng. Abstr.) **(Rus)**

[Combined exposure to vibration and the noise of agricultural tractors and self–propelled machinery and the tasks of hygienic regulation (a review of the literature)] Cherniuk VI. **Gig Tr Prof Zabol** 1984 Sep;(9):35–7 (7 ref.) **(Rus)**

[Evaluation of the combined action of noise and ozone] Il'nitskaia AV, et al. **Gig Tr Prof Zabol** 1985 Mar;(3):19–22 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of various methods of treating miners with vibration- and noise-induced diseases] Vel'skaia ML, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):16–9 (Eng. Abstr.) **(Rus)**

[Effect of industrial noise on the prevalence of arterial hypertension] Kochanova EM, et al. **Ter Arkh** 1985; 57(4):125–8 (Eng. Abstr.) **(Rus)**

[Cerebral hemodynamics among workers exposed to industrial noise] Shuster MA, et al. **Vestn Otorinolaringol** 1984 Nov–Dec;(6):51–4 (Eng. Abstr.) **(Rus)**

[Noisy toys--a risk of hearing injuries?] Axelsson A, et al. **Lakartidningen** 1984 Nov 7;81(45):4162–6 **(Swe)**

PREVENTION & CONTROL

Modern aspects of hygienic standardization of ship noise. Sten'ko YM, et al. **Bull Inst Marit Trop Med Gdynia** 1983; 34(3–4):159–64

Studies of parallel barrier performance by acoustical modeling. Hutchins DA, et al. **J Acoust Soc Am** 1985 Feb; 77(2):536–46

Hearing protection for industry: types, selection vary with needs. **Occup Health Saf** 1985 Jul;54(7):22–5

Seven day work schedule compounds noise exposure problem. Huggins RG, et al. **Occup Health Saf** 1985 Apr; 54(4):40–4, 60

The otolaryngologist and hearing protectors. Alberti PW, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):633–40

Urban noise--monitoring and control. Bickerdike J. **Rev Environ Health** 1984;4(3):179–237

[Selection of school sites with reference to traffic noise in cities] Meng ZH. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Jan;19(1):21–3 (Eng. Abstr.) **(Chi)**

[Hygienic evaluation of noise levels in residential areas] Karagodina IL, et al. **Gig Sanit** 1985 May;(5):13–6 (Eng. Abstr.) **(Rus)**

[Prevention of noise in the lumber industry] Andosov IuM, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):45–6 **(Rus)**

[Estimation of the levels of noise load in agricultural machine operators] Men'shov AA, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):36–8 **(Rus)**

[Development of physiological and hygienic principles of noise standardization in aerospace medicine] Krylov IuV. **Kosm Biol Aviakosm Med** 1984 Sep–Oct;18(5):4–7 (68 ref.) (Eng. Abstr.) **(Rus)**

NOISE, OCCUPATIONAL see under **NOISE**

NOISE, TRANSPORTATION see under **NOISE**

NOMA

ETIOLOGY

Noma in a full-term neonate. Alkalay A, et al. **Clin Pediatr (Phila)** 1985 Sep;24(9):528–30

Infectious oral necrosis (cancrum oris) in Nigerian children: a review. Enwonwu CO. **Community Dent Oral Epidemiol** 1985 Jun;13(3):190–4 (44 ref.)

Unusual sequelae to necrotizing ulcerative gingivitis (NUG)-like lesions. Reinhardt RA, et al. **J Oral Med** 1982 Oct–Dec;37(4):109–12

PATHOLOGY

An interesting case of adult facial gangrene (from Papua, New Guinea). Malden N. **Oral Surg Oral Med Oral Pathol** 1985 Mar;59(3):279–81

SURGERY

One-stage lip-switch operation. Ohtsuka H. **Plast Reconstr Surg** 1985 Oct;76(4):613–5

NOMENCLATURE

Nomenclature of precancerous lesions of the uterine cervix. A position paper. Drake M. **Acta Cytol (Baltimore)** 1984 Sep–Oct;28(5):527–34

The truth about false aneurysms [editorial] Marx M, et al. **AJR** 1985 Jul;145(1):193–4

Incidence and prevalence: proper use [editorial] Shuman WP. **AJR** 1985 Sep;145(3):649–50

Billowing, floppy, prolapsed or flail mitral valves? Barlow JB, et al. **Am J Cardiol** 1985 Feb 1;55(4):501–2

To beat or not to beat: arguments for use of the term ventricular premature depolarization. Brugada P, et al. **Am J Cardiol** 1985 Apr 1;55(8):1113–4

I still prefer ventricular premature complex [editorial] Roberts WC. **Am J Cardiol** 1985 Apr 1;55(8):1117–8

Acupuncture points of the cervical plexus. Dung HC. **Am J Chin Med** 1984 Summer;12(1–4):94–105

Acupuncture points of the cranial nerves. Dung HC. **Am J Chin Med** 1984 Summer;12(1–4):80–92

Origins of the term hypnotism prior to Braid. Gravitz MA, et al. **Am J Clin Hypn** 1984 Oct;27(2):107–10

Langerhans' versus Langhans' cells [letter] Hajdu I. **Am J Clin Pathol** 1985 Sep;84(3):412

Mucoepidermoid carcinoma tumor of the rectum--discard the term? [letter] Kay S. **Am J Clin Pathol** 1985 Aug; 84(2):256–7

More about spongiosis. Ackerman AB. **Am J Dermatopathol** 1984 Oct;6(5):419–20

Ellenborough King's disease: an addendum to 'chronic relapsing eponymy' [letter] Aterman K. **Am J Dermatopathol** 1985 Apr;7(2):197–8

Whither malignant melanoma in situ? del Junco GW. **Am J Dermatopathol** 1984 Summer;6 Suppl:101–2

Chromatic fantasies. Color words in medicine. Dirckx JH. **Am J Dermatopathol** 1985 Apr;7(2):157–61

Shop talk. Dirckx JH. **Am J Dermatopathol** 1984 Oct; 6(5):445–9

'Les eczématides'. Historical review of the term. Fanti PA, et al. **Am J Dermatopathol** 1984 Oct;6(5):437–40

Ambiguity and error in medical writing. Leider M. **Am J Dermatopathol** 1984 Summer;6 Suppl:137–40

Sebaceoma [letter] Sanchez Yus E, et al. **Am J Dermatopathol** 1985 Apr;7(2):198–9

Pustular bacterid of Andrews [letter] Worret WI. **Am J Dermatopathol** 1985 Apr;7(2):200

Names for PEG-electrolyte lavage solutions [letter] Marks E. **Am J Hosp Pharm** 1985 Aug;42(8):1710

The syndrome as finding or as cause: suggested terminology. Lubinsky MS. **Am J Med Genet** 1985 Apr;20(4):727–8

Tubal ligation: a misnomer [letter] Parente JT, et al. **Am J Obstet Gynecol** 1985 Mar 15;151(6):829

Promises to keep: implications of the referent 'patient' versus 'client' for those served by occupational therapy. Sharrott GW, et al. **Am J Occup Ther** 1985 Jun;39(6):401–5

Pinch and grasp strength: standardization of terminology and protocol. Smith RO, et al. **Am J Occup Ther** 1985 Aug; 39(8):531–5

Synovial sarcoma--a misnomer. Miettinen M, et al. **Am J Pathol** 1984 Oct;117(1):18–25

'Atypical posttraumatic stress disorder' is misleading [letter] Feder R. **Am J Psychiatry** 1985 Sep;142(9):1125–6

Terminology of sports [letter] Greene PW. **Am J Sports Med** 1985 Jul–Aug;13(4):281

When is an apnea not an apnea? George CF, et al. **Am Rev Respir Dis** 1985 Apr;131(4):485–6

Defining an adverse respiratory health effect. Samet JM. **Am Rev Respir Dis** 1985 Apr;131(4):487

Instead of 'plethysmography': 'kenoseography' and 'plesmonegraphy'. Voorhoeve R, et al. **Angiology** 1985 Aug;36(8):541–2

Nomenclature of allergenic plants. I. Halse RR. **Ann Allergy** 1984 Oct;53(4):291–310

Geode: crystal-containing cavity, lymph space, or pseudocyst? Gardner DL. **Ann Rheum Dis** 1985 Aug; 44(8):569–70

Blastobotrys, Sporothrix and Trichosporiella: generic delimitation, new species, and a Stephanoascus teleomorph. de Hoog GS, et al. **Antonie Van Leeuwenhoek** 1985; 51(1):79–109

Carbohydrate patterns and taxonomy of Sporothrix and Blastobotrys. Weijman AC, et al. **Antonie Van Leeuwenhoek** 1985;51(1):111–20

Neurosis, psychodynamics, and DSM-III. A history of the controversy. Bayer R, et al. **Arch Gen Psychiatry** 1985 Feb; 42(2):187–96

Bicarbonate or CO2? [letter] Flear CT, et al. **Arch Intern Med** 1984 Nov;144(11):2285–7

Accuracy of medical terminology [letter] Sugar O. **Arch Neurol** 1985 Oct;42(10):932–3

Will the real neuroblastoma please stand up? [letter] Dehner LP. **Arch Pathol Lab Med** 1985 Sep;109(9):794–5

Clinical dermatology: an exercise in gross dermatopathology. Kwittken J. **Ariz Med** 1985 Jul;42(7):404–6

Chairman's report to the WHO-IUIS Nomenclature Committee. Kyoto, 25 August 1983. CinaderB. **Asian Pac J Allergy Immunol** 1983 Dec;1(2):175–7

Nomenclature Committee of the International Union of Biochemistry (NC-IUB). Nomenclature for incompletely specified bases in nucleic acid sequences. Recommendations 1984. **Biochem J** 1985 Jul 15;229(2):281–6

Proposal for a common nomenclature for sequence ions in mass spectra of peptides [letter] Roepstorff P, et al. **Biomed Mass Spectrom** 1984 Nov;11(11):601

Carbohydrate-binding properties of lectins: a possible approach to lectin nomenclature and classification. Review. Gallagher JT. **Biosci Rep** 1984 Aug;4(8):621–32

Time for a new name for 'frozen shoulder' [editorial] Bunker TD. **Br Med J [Clin Res]** 1985 Apr 27;290(6477):1233–4

Subdivisions of the interpeduncular nucleus: a proposed nomenclature. Lenn NJ, et al. **Brain Res Bull** 1984 Jul; 13(1):203–4

Nomenclature for factors of the HLA system, 1984. **Bull WHO** 1985;63(2):399–413 **(Eng, Fre)**

Nomenclature for clusters of differentiation (CD) of antigens defined on human leukocyte populations. IUIS-WHO Nomenclature Subcommittee. **Bull WHO** 1984; 62(5):809–15 **(Eng, Fre)**

Table-top artificial sweeteners: current use in Canada [letter] Baines CJ. **Can Med Assoc J** 1984 Dec 15;131(12):1433–5

Dr. Lucid's word rounds: putting in a good word for some good words. Morgan PP. **Can Med Assoc J** 1985 Mar 1; 132(5):504–5

Convention on nomenclature for DNA cytometry. Committee on Nomenclature, Society for Analytical Cytology. Hiddemann W, et al. **Cancer Genet Cytogenet** 1984 Oct;13(2):181–3

Nomenclature: the Philadelphia chromosome or Ph without superscript. Sandberg AA, et al. **Cancer Genet Cytogenet** 1985 Jan 1;14(1–2):1

The meaning of a clone [letter] Secker-Walker LM. **Cancer Genet Cytogenet** 1985 Mar 15;16(2):187–8

Standardized Nomenclature for Inbred Strains of Mice: eighth listing. Staats J. **Cancer Res** 1985 Mar;45(3):945–77

'Chronic daily headache' ('cefalea cronica quotidiana'). Sjaastad O. **Cephalalgia** 1985 May;5 Suppl 2:191–3

Tuberculoid bacilli and tuberculoidosis [letter] Iseman MD, et al. **Chest** 1985 Aug;88(2):316–7

Twenty-nail dystrophy of childhood: a reappraisal. Kechijian P. **Cutis** 1985 Jan;35(1):38–41 (18 ref.)

Mechanism of cytoprotection [letter] Meeroff JC. **Dig Dis Sci** 1985 Jul;30(7):697–8

Standardised terminology for the description and analysis of equine locomotion. Leach DH, et al. **Equine Vet J** 1984 Nov;16(6):522–8

A complex matter [letter] **Eur Heart J** 1984 Oct;5(10):864–6

Nomenclature Committee of the International Union of Biochemistry (NC-IUB). Nomenclature for incompletely specified bases in nucleic acid sequences. Recommendations 1984. **Eur J Biochem** 1985 Jul 1;150(1):1–5

Gerontism: a neologism. Freeman JT. **Exp Gerontol** 1985; 20(2):71–2

Endogenous opioid nomenclature: light at the end of the tunnel. Kitchen I. **Gen Pharmacol** 1985;16(2):79–84 (48 ref.)

Nomenclature for factors of the HLA system 1984. **Hum Immunol** 1984 Nov;11(3):117–25

Nomenclature for factors of the HLA system 1984. Bodmer WF, et al. **Immunogenetics** 1984;20(6):593–601

Validity of the nomenclature of rat leprosy and Mycobacterium lepraemurium [editorial] Dharmendra, et al. **Ind J Lepr** 1984 Jul–Sep;56(3):513–9

Chairman's report to the WHO-IUIS Nomenclature Committee. Kyoto, August 25, 1983. Cinader B. **Int Arch Allergy Appl Immunol** 1984;75(3):193–5

Mycotic diseases. A proposed nomenclature. McGinnis MR, et al. **Int J Dermatol** 1985 Jan–Feb;24(1):9–15

Inappropriate terminology [letter] Last JM. **Int J Epidemiol** 1984 Dec;13(4):542

Points in question. The terminology of parasitology: the need for uniformity. Arme C. **Int J Parasitol** 1984 Dec; 14(6):539–40

Syphilus. Glickman FS. **J Am Acad Dermatol** 1985 Mar; 12(3):593–6

Follicular cysts: how should we name them? [letter] Stevens CS. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):367–8

Code on dental procedures and nomenclature. Council on Dental Care Programs. **J Am Dent Assoc** 1985 Mar; 110(3):389–93

MPD syndrome: generic or specific? [letter] Laskin DM, et al. **J Am Dent Assoc** 1985 May;110(5):670

Survey results: optometric terminology. Eger MJ. **J Am Optom Assoc** 1985 Feb;56(2):94–6

A glossary of computer terminology. Brown S, et al. **J Audiov Media Med** 1985 Jan;8(1):9–13

Operational specificity: implications for field-based replications. Derer KR. **J Behav Ther Exp Psychiatry** 1985 Mar;16(1):9–14

Ideas and words: two dimensions for debates on case controlling [editorial] Spitzer WO. **J Chronic Dis** 1985; 38(7):541–2

Taxonomic and nomenclatural evaluation of the genera Candida and Torulopsis. McGinnis MR, et al. **J Clin Microbiol** 1984 Oct;20(4):813–4

On the naming of dyes [letter] Lendrum AC. **J Clin Pathol** 1984 Oct;37(10):1195–6

Clear-cut definitions [letter] Ioannides G. **J Dermatol Surg Oncol** 1985 Mar;11(3):214

A note on the origin of the term 'nature and nurture': not Shakespeare and Galton, but Mulcaster. Teigen KH. **J Hist Behav Sci** 1984 Oct;20(4):363–4

Melancholy rhetoricians and melancholy rhetoric: 'black bile' as a rhetorical and medical term in the second century A.D. Pearcy LT. **J Hist Med Allied Sci** 1984 Oct; 39(4):446–56

Terminology relating to extracellular polysaccharides produced by Pseudomonas aeruginosa [letter] Pier GB. **J Infect Dis** 1985 Sep;152(3):652

A radiographic anthology of vertebral names. Yochum TR, et al. **J Manipulative Physiol Ther** 1985 Jun;8(2):87–94

Standard nomenclature for primate breeding and husbandry. Hall AS. **J Med Primatol** 1983;12(3):155–9

Use of the term 'trophoblast' for tissues in therian mammals. Lillegraven JA. **J Morphol** 1985 Mar;183(3):293–9

Toward more clarity in terminology: frameworks, theories and models. Adam E. **J Nurs Educ** 1985 Apr;24(4):151–5

Nomenclature policy: generic descriptors and trivial names for vitamins and related compounds. **J Nutr** 1985 Jan; 115(1):8–16

Protozoan nomina dubia: to arbitrarily restrict or replace. The case of Sarcocystis spp. Frenkel JK, et al. **J Parasitol** 1984 Oct;70(5):813–5

A fascinoma. Cleveland WW, et al. **J Pediatr** 1984 Oct; 105(4):669–72

The right stuff for a new syndrome. Goldsmith DP. **J Pediatr** 1985 Mar;106(3):441–3

The use of 'impotence' and 'frigidity': why has 'impotence' survived. Elliott ML. **J Sex Marital Ther** 1985 Spring; 11(1):51–6

NEWARK PUBLIC LIBRARY

Gender: history, theory and usage of the term in sexology and its relationship to nature/nurture. Money J. **J Sex Marital Ther** 1985 Summer;11(2):71-9

Five universal exigencies, indicatrons and sexological theory. Money J. **J Sex Marital Ther** 1984 Winter;10(4):229-38

On the subject of subjects: suggestions for describing subjects in language intervention studies. Wickstrom S, et al. **J Speech Hear Disord** 1985 Aug;50(3):282-6

Index for the standard nomenclature of Zhenjiu (acupuncture and moxibustion) points in alphabetic order. Wang D. **J Tradit Chin Med** 1984 Jun;4(2):161-6

Changing trends with abdominal injury in seat-belt wearers [letter] **J Trauma** 1985 Mar;25(3):277

Suggested terminology for duplex systems, ectopic ureters and ureteroceles. Glassberg KI, et al. **J Urol** 1984 Dec;132(6):1153-4

The gauge of nodes: tiny to buckshotty [letter] Stolinsky DC. **JAMA** 1985 Jun 7;253(21):3092

Cutaneous pseudoporphyria [letter] Burton JL. **Lancet** 1985 Jun 15;1(8442):1393

Approved names for interferon [letter] Daniels VG, et al. **Lancet** 1985 Mar 16;1(8429):644-5

Glossary of NMR terms. American College of Radiology, Subcommittee on NMR Nomenclature and Phantom Development. **Magn Reson Imaging** 1984;2(2):131-46

Of disease codification, classification and nomenclature [editorial] Fenna D. **Med Inf (Lond)** 1985 Jan-Mar;10(1):1-3

Epidemiological terms [letter] Last JM. **Med J Aust** 1984 Sep 15;141(6):400

'Compensation neurosis'. An invalid diagnosis. Mendelson G. **Med J Aust** 1985 May 13;142(10):561-4

Nomenclature and symbolism of alpha-amino acids. Cohn WE. **Methods Enzymol** 1984;106:3-17

The use of morphosemantic regularities in the medical vocabulary for automatic lexical coding. Wolff S. **Methods Inf Med** 1984 Oct;23(4):195-203

The new language of hospital management. Alper PR. **N Engl J Med** 1984 Nov 8;311(19):1249-51

Influx of new cephalosporins [letter] Trotter JF Jr. **N Engl J Med** 1985 Aug 1;313(5):330-1

Basement membrane nomenclature [letter] Laurie GW, et al. **Nature** 1985 Jan 24-30;313(6000):272

Genes-on [letter] Lloyd JR. **Nature** 1984 Sep 27-Oct 3;311(5984):294

Name for AIDS virus [letter] Wong-Staal F. **Nature** 1985 Apr 18-24;314(6012):574

Nomenclature for incompletely specified bases in nucleic acid sequences: recommendations 1984. Cornish-Bowden A. **Nucleic Acids Res** 1985 May 10;13(9):3021-30

The Greeks had a story for it. Fried RI. **Ohio State Med J** 1985 Jul;81(7):511-13

Gallbladder disease terminology [letter] Logan GB, et al. **Pediatrics** 1985 Jul;76(1):140

Munchausen by proxy or Polle syndrome: which term is correct? Meadow R, et al. **Pediatrics** 1984 Oct;74(4):554-6

'Failure to thrive' or the failure to define. Stickler GB. **Pediatrics** 1984 Oct;74(4):559

Isometric + isotonic = isoconfusion [letter] Francis RS. **Phys Ther** 1985 Aug;65(8):1238-40

Glossary of biomechanical terms, concepts, and units. Rodgers MM, et al. **Phys Ther** 1984 Dec;64(12):1886-902

Precise terminology for suction lipectomy [letter] Courtiss EH, et al. **Plast Reconstr Surg** 1985 Jan;75(1):132

Nomenclature Committee report: pepsinogens. Nomenclature Committee of Human Gene Mapping Conference. Eriksson AW, et al. **Prog Clin Biol Res** 1985;173:41-2

In the beginning is the word. Karp LE. **Prog Clin Biol Res** 1985;163C:355-7

Human alkaline phosphatases. Introduction and nomenclature. Stigbrand T. **Prog Clin Biol Res** 1984;166:xix-xxiii

The rise and fall of endogenous opioid nomenclature. Kitchen I. **Prog Neurobiol** 1984;22(4):345-58

Anti-phospholipase proteins. Di Rosa M, et al. **Prostaglandins** 1984 Oct;28(4):441-2

Physical activity, exercise, and physical fitness: definitions and distinctions for health-related research. Caspersen CJ, et al. **Public Health Rep** 1985 Mar-Apr;100(2):126-31

Glossary of chronobiology. Carandente F. **Ric Clin Lab** 1984 Apr-Jun;14(2):149-56

Terminological confusion in evolutionary thought. Løvtrup S. **Riv Biol** 1985 Summer;78(2):211-25 **(Eng, Ita)**

Fatty acid nomenclature. A short review. Davidson BC, et al. **S Afr Med J** 1985 Apr 20;67(16):633-4 (27 ref.)

Phaeoannellomyces and the Phaeococcomycetaceae, new dematiaceous blastomycete taxa. McGinnis MR, et al. **Sabouraudia** 1985 Jun;23(3):179-88

Dyspepsia. Definition and discussion of nomenclature. Gustavsson S, et al. **Scand J Gastroenterol [Suppl]** 1985;109:11-3

Terminology, definitions and diagnostic criteria in digestive endoscopy. With the collaboration of the members of the Terminology Committee of the World Society of Digestive Endoscopy/OMED. Mařatka Z. **Scand J Gastroenterol [Suppl]** 1984;103:1-74

Numerical taxonomy of motile anaerobic curved rods isolated from vaginal discharge. Påhlson C, et al. **Scand J Urol Nephrol [Suppl]** 1984;86:251-6

A virus by any other name . . . [news] Marx JL. **Science** 1985 Mar 22;227(4693):1449-51

Veterinary diagnosis in clinical medicine. Hayden GF, et al. **South Med J** 1984 Dec;77(12):1575-6

Stroke-in-progression. Gautier JC. **Stroke** 1985 Jul-Aug;16(4):729-33

Melanocytoma: nomenclature, pathogenesis, natural history and treatment. Reidy JJ, et al. **Surv Ophthalmol** 1985 Mar-Apr;29(5):319-27

Cytology reports: are the 'Pap' classes outdated? Marcus PB, et al. **Tex Med** 1984 Dec;80(12):38-40

A substitute for 'small airway disease'? [letter] Teculescu DB. **Thorax** 1985 Jun;40(6):479

Nomenclature of secreted platelet proteins--report of the Working Party on Secreted Platelet Proteins of the Subcommittee on Platelets. Kaplan KL, et al. **Thromb Haemost** 1985 Apr 22;53(2):282-4

Nomenclature for factors of the HLA system 1984. **Tissue Antigens** 1984 Aug;24(2):73-80

The importance of determining stable glycosylated hemoglobin in diabetics: confusions are caused by the nomenclature of glycohemoglobin as HbA1C or HbA1 in its evaluation. Hoshino T, et al. **Tohoku J Exp Med** 1983 Dec;141 Suppl:85-90

Some previously published material relating to nomenclature of toxins [letter] **Toxicon** 1985;23(2):189-99

Nomenclature of biological toxins [letter] Aird SD, et al. **Toxicon** 1985;23(2):179-87

International Commission on Zoological Nomenclature. The importance of stability in the scientific names of animals. Melville RV, et al. **Trans R Soc Trop Med Hyg** 1984;78(5):697

Nomenclature for factors of the HLA system 1984. Bodmer WF, et al. **Vox Sang** 1985;48(1):42-9

ISBT Working Party on Terminology for Red Cell Surface Antigens: Munich report. Lewis M, et al. **Vox Sang** 1985;49(2):171-5

International nonproprietary names for pharmaceutical substances. **WHO Chron** 1985;39 Suppl:1-25

International nonproprietary names for pharmaceutical substances. **WHO Chron** 1984;38(6):suppl 1-11

International nonproprietary names for pharmaceutical substances. **WHO Chron** 1984;38(4 Suppl):1-27

[Terminology and classification problems in benign polyps of the large intestine] Aleksandrova A, et al. **Khirurgiia (Sofiia)** 1985;38(2):51-6 (20 ref.) **(Bul)**

[The common ventricle—current aspects of the nomenclature, clinical picture and possibilities for surgical treatment (a review of the literature with 3 case reports] Slavkov N, et al. **Khirurgiia (Sofiia)** 1984;37(6):514-21 (38 ref.) **(Bul)**

[Development of medical English and the translation of Chinese medical terminology] Meng SY. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Oct;4(10):632-3 **(Chi)**

[Interpreting the term 'qi' in traditional Chinese medicine and the translation of Chinese medical terms] Nie CR. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Oct;4(10):632 **(Chi)**

[Changes in the botanical names in the Pharmacopeia of the People's Republic of China (1977 revision) Part I] Huang XC. **Chung Yao Tung Pao** 1985 Jan;10(1):12-3 **(Chi)**

[Drugs: what's in a name?] de Ru H. **Ned Tijdschr Geneeskd** 1984 Aug 18;128(33):1576-7 **(Dut)**

[New data on the fleas (Insecta, Siphonaptera) of Algeria] Beaucournu JC, et al. **Bull Soc Pathol Exot Filiales** 1985;78(3):378-92 (Eng. Abstr.) **(Fre)**

[Psychotherapy: confusion in language] Montgrain N. **Can J Psychiatry** 1985 Apr;30(3):203-5 (Eng. Abstr.) **(Fre)**

[The Vanity of Nomenclature, an unpublished manuscript by Jean Piaget] Vidal F. **Pubbl Stn Zool Napoli [II]** 1984;6(1):75-106 **(Fre)**

[Wheezing? Whistling? Breathing with a whistling sound? Study of the word 'siler' in medical terminology] Cloutier-Beaudry G, et al. **Union Med Can** 1985 May;114(5):428-30 **(Fre)**

[Nomenclature and classification of animal tumors based on currently recognized classification systems exemplified by mammary tumors. A contribution to comparative oncology] Schönbauer M. **Berl Munch Tierarztl Wochenschr** 1984 Jul 1;97(7):245-51 (Eng. Abstr.) **(Ger)**

[Prion diseases?] Diringer H. **Dtsch Med Wochenschr** 1985 May 17;110(20):819 **(Ger)**

[Clarification of the concepts vigilance and activation in pharmacopsychology and electrophysiology] Ott H. **EEG EMG** 1984 Dec;15(4):190-7 (Eng. Abstr.) **(Ger)**

[Acronyms of English language terminology in cardiology] Lohmöller G. **Fortschr Med** 1984 Nov 8;102(41):1063 **(Ger)**

[Scientific explanation as a language and its application to psychiatry] Hirschberg W. **Fortschr Neurol Psychiatr** 1985 Jun;53(6):191-200 (Eng. Abstr.) **(Ger)**

[Nomenclature of the most important bronchial diseases in childhood] Ballke EH, et al. **Kinderarztl Prax** 1984 Aug;52(8):386-8 **(Ger)**

[Spastic bronchitis in early childhood—an obituary!] Plenert W. **Kinderarztl Prax** 1984 Aug;52(8):359-60 **(Ger)**

[Clinical jargon—memorabilia] Hallermann W. **Klin Monatsbl Augenheilkd** 1985 Feb;186(2):139-40 (Eng. Abstr.) **(Ger)**

[Strabologic terminology II and computer coding] Lang J. **Klin Monatsbl Augenheilkd** 1985 Mar;186(3):231-4 (Eng. Abstr.) **(Ger)**

[Premalignant changes in the mouth mucosa. Proposals for nomenclature by an international expert commission] Burkhardt A. **Pathologe** 1985 May;6(3):126-32 **(Ger)**

[Proposed international nomenclature for dysmorphogenesis] Rupprecht E, et al. **Radiol Diagn (Berl)** 1984;25(6):785-7 **(Ger)**

[The language of medicine] Ruff W. **Z Arztl Fortbild (Jena)** 1985;79(6):270-2 **(Ger)**

[Definition of concepts] Stach R. **Z Arztl Fortbild (Jena)** 1985;79(13):587-9 **(Ger)**

[Use of the IUPAC style for chemical compounds in medical writing] Steingrüber S. **Z Arztl Fortbild (Jena)** 1985;79(13):579-81 **(Ger)**

[Recommendations for the nomenclature of landfills and remarks on landfill sealing] Tauchnitz J, et al. **Z Gesamte Hyg** 1985 Apr;31(4):242-5 (Eng. Abstr.) **(Ger)**

[Should the term fibrocystic disease of the breast be dropped from the medical dictionary? (editorial)] Reiss R. **Harefuah** 1984 Jun 1;106(11):526-8 **(Heb)**

[Anarchy in orthography in Hungarian literature (letter)] **Orv Hetil** 1985 May 12;126(19):1191 **(Hun)**

[Confusion in the orthography of Hungarian medical terminology (letter)] **Orv Hetil** 1985 Jul 21;126(29):1819 **(Hun)**

[Orthograpy of Hungarian medical terminology (letter)] **Orv Hetil** 1984 Sep 23;125(39):2403-4 **(Hun)**

[Distortion of the orthography of Hungarian medical terminology. From esophagus to anus pre (praeternaturalis) (letter)] Réti GP. **Orv Hetil** 1985 Feb 3;126(5):303 **(Hun)**

[Problems of terminology at the beginning of the publication of Orvosi Hetilap] Szállási A. **Orv Hetil** 1985 Jun 16;126(24):1487-8, 1491 **(Hun)**

[Sociobiology and psychobiology: in the pantheon of science or in the basement of failures?] Lattanzi A. **Minerva Med** 1985 Mar 31;76(13):651-5 (Eng. Abstr.) **(Ita)**

[Etymological confusion in Japanese terms for the testis: past and present] Tomoyoshi T. **Hinyokika Kiyo** 1985 Feb;31(2):199-206 (Eng. Abstr.) **(Jpn)**

[On attending the SEAPA-L Classification and Nomenclature Sub-Committee] Kyogoku M. **Ryumachi** 1984 Jun;24(3):215-21 **(Jpn)**

[Japanese anatomical terminology (nomina anatomica japonica) from the educational view point (1)--sune and nezumi] Hojo T. **Sangyo Ika Daigaku Zasshi** 1984 Dec 1;6(4):433-6 (Eng. Abstr.) **(Jpn)**

[Confusion on gastroenterological terms] Johannessen T, et al. **Tidsskr Nor Laegeforen** 1985 Apr 20;105(11):754-6 (Eng. Abstr.) **(Nor)**

[Suggestions for definitions of terms regarding the hip for the Polish Medical Dictionary] Lempicki A, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(6):579-82 (Eng. Abstr.) **(Pol)**

[Evolution of the concept of disease with particular reference to psychosomatic disorders] Brodziak A. **Pol Tyg Lek** 1984 Jun 11;39(24):801-5 **(Pol)**

[Nomenclature of vitamin D] Kwiatkowska J. **Postepy Biochem** 1983;29(3-4):397-408 **(Pol)**

[The Auschwitz dictionary (D). A model] Kłodziński S, et al. **Przegl Lek** 1985;42(1):56-63 **(Pol)**

[Interdisciplinary system versus one-sidedness, and semantics and precision of formulations in sexology] Godlewski J. **Psychiatr Pol** 1984 Jul-Aug;18(4):383-8 **(Pol)**

[The necessity of teaching medical Latin] Szela S. **Wiad Lek** 1984 Jul 15;37(14):1145-7 **(Pol)**

[Complex congenital cardiopathy: difficulty for classification. Report of a case] Correia M de B. **Arq Bras Cardiol** 1984 Nov;43(5):337-42 (Eng. Abstr.) **(Por)**

[Nomenclature of human auditory evoked potentials] Sagalovich BM. **Fiziol Cheloveka** 1984 Nov-Dec;10(6):1019-26 (99 ref.) **(Rus)**

[Statistical terminology and its use] Notkin EL. **Gig Sanit** 1984 Dec;(12):19-21 **(Rus)**

[Surgical concept of infection] Napalkov PN. **Khirurgiia (Mosk)** 1985 May;(5):15-9 **(Rus)**

[Current nomenclature of bacteria in applied microbiology] Andreeva ZM, et al. **Lab Delo** 1985;(4):231-2 (Eng. Abstr.) **(Rus)**

[Classification of implantable electrodes intended for constant electrostimulation of the heart] Bredikis IuIu, et al. **Med Tekh** 1985 Jan-Feb;(1):14-7 (Eng. Abstr.) **(Rus)**

[Various problems of terminology in traumatology and orthopedics] Abdrakhmanov AZh. **Ortop Travmatol Protez** 1985 Apr;(4):70-2 **(Rus)**

[Classification and nomenclature of acute pneumonia] Stuks IIu. **Sov Med** 1984;(7):87-90 **(Rus)**

[Diabetic ketoacidosis (causes, clinico-biochemical correlations and terminology problems)] Blagosklonnaia IaV, et al. **Ter Arkh** 1984;56(10):94-7 (Eng. Abstr.) **(Rus)**

[Classification of syphilis and the current terminology of venereal diseases] Il'in II, et al. **Vestn Dermatol Venerol** 1984 Dec;(12):39-42 (Eng. Abstr.) **(Rus)**

[Meaning of the concept 'local recurrence' following surgical treatment of malignant melanoma of the skin] Anisimov VV. **Vopr Onkol** 1985;31(1):32-8 (Eng. Abstr.) **(Rus)**

[Nomenclature and taxonomy of bacteria of the tribe Klebsielleae] Bondarenko VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Feb;(2):99-105

(64 ref.) (Rus)

[Terminology associated with the perception of pain. (Terms in algology)] Djordjević S. **Srp Arh Celok Lek** 1983 Aug; 111(8):1181-6 (Sec)

[Additional terminology in medieval Serbian medicine] Katić RV. **Srp Arh Celok Lek** 1984 Mar;112(3):373-93 (Sec)

[Why biological 'monitoring'?] Beritić T. **Arh Hig Rada Toksikol** 1984 Mar;35(1):51-5 (Scr)

[Notes from medical terminology (25)] Loknar V. **Lijec Vjesn** 1985 Jan;107(1):43 (Scr)

[On the 'epidemiology' of the use of the term "borderline states'] Molčan J, et al. **Cas Lek Cesk** 1984 Sep 7; 123(36):1122-3 (Eng. Abstr.) (Slo)

[Terms with the component -pathia] Simon F, et al. **Cas Lek Cesk** 1985 Sep 6;124(36):1141 (Slo)

[Comments on the term polyneuritis] Simon F, et al. **Cesk Neurol Neurochir** 1984 Aug;47(4):273-4 (Slo)

[Hellenic influence in medical language] Bové A, et al. **Med Clin (Barc)** 1984 Jun 30;83(5):209-13 (Spa)

[Side effects and undesirable effects (letter)] Farré M, et al. **Med Clin (Barc)** 1985 Feb 9;84(5):207-8 (Spa)

HISTORY

[Current state of anatomical terminology] Donáth T. **Orv Hetil** 1985 Feb 17;126(7):405-7 (Eng. Abstr.) (Hun)

NOMIFENSINE see under **ISOQUINOLINES**

NONACHLAZINE see under **PHENOTHIAZINES**

NONACTIN see under **ANTIBIOTICS**

NONDIRECTIVE THERAPY

Preference for counseling and psychotherapy as related to preoedipal fixation. Juni S, et al. **Psychol Rep** 1985 Apr; 56(2):431-8

NONDISJUNCTION, GENETIC

Linkage map on chromosome 21q and the association of a DNA haplotype with a propensity to nondisjunction and trisomy 21. Antonarakis SE, et al. **Ann NY Acad Sci** 1985; 450:95-107

Meiosis in Drosophila melanogaster. V. Univalent behavior in In(1)sc4Lsc8R/BsY males. Lin HP, et al. **Can J Genet Cytol** 1984 Aug;26(4):445-58

Factors distinguishing couples at risk for nondisjunction. Rudd NL, et al. **Can J Genet Cytol** 1984 Oct;26(5):595-606

Nondisjunction frequencies in Robertsonian heterozygotes from natural populations of the common shrew, Sorex araneus L. Searle JB. **Cytogenet Cell Genet** 1984; 38(4):265-71

Nondisjunction induced in mouse spermatogenesis by chloral hydrate, a metabolite of trichloroethylene. Russo A, et al. **Environ Mutagen** 1984;6(5):695-703

Effects of some DNA-ligands and of some mutagenic compounds on the induction of meiotic disomic or diploid yeast products. Sora S. **Environ Mutagen** 1985;7(1):121-8

Frequency of consanguineous marriages among parents and grandparents of Down patients. Devoto M, et al. **Hum Genet** 1985;70(3):256-8

Yqs in an American family of Scottish descent [letter] Iinuma K, et al. **Hum Genet** 1984;68(4):350

Increased frequency of lymphocytic mitotic non-disjunction in recurrent spontaneous aborters. Juberg RC, et al. **J Med Genet** 1985 Feb;22(1):32-5

Mechanisms contributing to non-recovery of translocations induced in meiotic cells. Puro J. **Mutat Res** 1985 Apr; 149(2):179-87

Cloned DNA probes regionally mapped to human chromosome 21 and their use in determining the origin of nondisjunction. Stewart GD, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):4125-32

Analysis of DNA haplotypes suggests a genetic predisposition to trisomy 21 associated with DNA sequences on chromosome 21. Antonarakis SE, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3360-4

Down anomaly: new research aspects of an old and well known syndrome. Mikkelsen M. **Prog Clin Biol Res** 1985; 177:293-307

DRUG EFFECTS

Amino acids can induce nondisjunction during maturation of mammalian oocytes in vitro. McGaughey RW. **J Exp Zool** 1985 Apr;234(1):161-5

RADIATION EFFECTS

Dose-related chromosome non-disjunction in female mice after X-irradiation of dictyate oocytes. Tease C. **Mutat Res** 1985 Aug;151(1):109-19

NON-HISTONE CHROMOSOMAL PROTEINS see **CHROMOSOMAL PROTEINS, NON-HISTONE**

NONODONTOGENIC CYSTS

PATHOLOGY

Median palatine cyst. Gingell JC, et al. **J Oral Maxillofac Surg** 1985 Jan;43(1):47-51

Sialolith in a median anterior maxillary cyst. Sadeghi EM, et al. **J Oral Maxillofac Surg** 1985 Jan;43(1):55-6

The median palatal cyst: does it exist? Report of three cases with oro-medical implications. Zachariades N, et al. **J Oral Med** 1984 Jul-Sep;39(3):173-6

Huge growth potential of the nasolabial cyst. Cohen MA, et al. **Oral Surg Oral Med Oral Pathol** 1985 May; 59(5):441-5

RADIOGRAPHY

Well-defined radiolucent area involving the anterior maxilla. Schott TR, et al. **J Am Dent Assoc** 1985 Jan;110(1):86-8

Calcified structures in anterior maxillary cysts [letter] Haber-Cohen A, et al. **J Oral Maxillofac Surg** 1985 Aug; 43(8):563

Nasolabial cyst. Adams A, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jul;60(1):118-9

Contribution of radiographs to the diagnosis of naso-alveolar cyst. Chinellato LE, et al. **Oral Surg Oral Med Oral Pathol** 1984 Dec;58(6):729-35

NONPROFIT ORGANIZATIONS see **ORGANIZATIONS, NONPROFIT**

NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY

see related
INSULIN

METABOLISM

Suppression of basal, but not of glucose-stimulated insulin secretion by human insulin in healthy and obese hyperinsulinemic subjects. Bratusch-Marrain PR, et al. **Metabolism** 1985 Feb;34(2):188-93

NONVERBAL COMMUNICATION

Eye-contact graphs. Arlinghaus SL. **Behav Sci** 1985 Apr; 30(2):108-17

Non-verbal communication of aphasic patients. Behrmann M, et al. **Br J Disord Commun** 1984 Sep;19(2):155-68

Nonverbal disturbances attributed to the schizophrenic psychoses. Bartolucci G. **Compr Psychiatry** 1984 Sep-Oct; 25(5):491-502

Comprehension of nonverbal communication: a reexamination of the social competencies of learning-disabled children. Stone WL, et al. **J Abnorm Child Psychol** 1984 Dec;12(4):505-18

A video analysis of the non-verbal behaviour of depressed patients before and after treatment. Ulrich G, et al. **J Affective Disord** 1985 Jul;9(1):63-7

Nonverbal behavior and childhood depression. Kazdin AE, et al. **J Am Acad Child Psychiatry** 1985 May;24(3):303-9

Hand movement quality: a neglected aspect of nonverbal behavior in clinical judgment and person perception. Wallbott HG. **J Clin Psychol** 1985 May;41(3):345-59

Sign language, pantomime, and gestural processing in aphasic persons: a review. Christopoulou C, et al. **J Commun Disord** 1985 Feb;18(1):1-20 (64 ref.)

Establishing pre-language signalling behaviour with profoundly mentally handicapped students: a preliminary investigation. Sternberg L, et al. **J Ment Defic Res** 1985 Mar;29 (Pt 1):81-93

Pantomime comprehension and ideomotor apraxia. Rothi LJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):207-10

Communicating personal power through nonverbal behavior. Lamar EK. **J Nurs Adm** 1985 Jan;15(1):41-4

Telling ingratiating lies: effects of target sex and target attractiveness on verbal and nonverbal deceptive success. DePaulo BM, et al. **J Pers Soc Psychol** 1985 May; 48(5):1191-203

Type A behavior, nonverbal expressive style, and health. Friedman HS, et al. **J Pers Soc Psychol** 1985 May; 48(5):1299-315

Frequency of word occurrence in communication samples produced by adult communication aid users. Beukelman DR, et al. **J Speech Hear Disord** 1984 Nov;49(4):360-7

Communicative assessment of nonverbal youths with severe/profound mental retardation. Cirrin FM, et al. **Ment Retard** 1985 Apr;23(2):52-62

Influencing non-verbal expressions of pain: signal detection analyses. Prkachin KM, et al. **Pain** 1985 Apr;21(4):399-409

On silence. Kurtz SA. **Psychoanal Rev** 1984 Sep;71(2):227-45

Developmental changes in infant pain expression during immunization injections. Craig KD, et al. **Soc Sci Med** 1984; 19(12):1331-7

Consequences of nonverbal expression of pain: patient distress and observer concern. von Baeyer CL, et al. **Soc Sci Med** 1984;19(12):1319-24

[Nonverbal communication and its disorders] Lesný I. **Cesk Neurol Neurochir** 1984 Aug;47(4):265-7 (Cze)

[Hands and miming, or nonverbal communication in the education of deaf children] Favier C, et al. **Neuropsychiatr Enfance Adolesc** 1984 Jul-Aug; 32(7-8):381-92 (Eng. Abstr.) (Fre)

[Communication in functional and dysfunctional families with adolescent children. III. Evaluation of the relation of verbal and nonverbal communications] Doudin PA, et al. **Schweiz Arch Neurol Psychiatr** 1985;136(3):69-80 (Eng. Abstr.) (Fre)

[Communication in functional and dysfunctional families with adolescent children. II. Nonverbal communication] Haas C, et al. **Schweiz Arch Neurol Psychiatr** 1985;136(3):55-67 (Eng. Abstr.) (Fre)

[Nonverbal communication and physician-patient relations] Herzer H, et al. **Z Arztl Fortbild (Jena)** 1984;78(16):671-3 (Ger)

[Silence, to be noticed: on an apparently paradoxical significance of silence] Kreische R. **Z Psychosom Med Psychoanal** 1985;31(2):151-5 (Eng. Abstr.) (Ger)

NOONAN SYNDROME

COMPLICATIONS

Lymphedema in Noonan's syndrome. White SW. **Int J Dermatol** 1984 Dec;23(10):656-7

Noonan syndrome. Raman Unnithan R, et al. **J Assoc Physicians India** 1985 Feb;33(2):177-9

[A case of Noonan's syndrome with atrial septal defect and pulmonary valvular dysplasia] Yamada M, et al. **Kyobu Geka** 1985 Jan;38(1):31-6 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Clinical confusion of the Noonan syndrome with the Börjeson-Forssman-Lehmann syndrome. Preus M. **J Ment Defic Res** 1984 Sep;28 (Pt 3):235-8

[Noonan syndrome and keratosis pilaris atrophicans faciei. Significance of dermatologic changes] Occella C, et al. **Minerva Pediatr** 1985 Feb 28;37(4):181-6 (Eng. Abstr.) (Ita)

FAMILIAL & GENETIC

Noonan phenotype associated with neurofibromatosis. Allanson JE, et al. **Am J Med Genet** 1985 Jul;21(3):457-62

Noonan syndrome: the changing phenotype. Allanson JE, et al. **Am J Med Genet** 1985 Jul;21(3):507-14

Noonan syndrome: a review. Mendez HM, et al. **Am J Med Genet** 1985 Jul;21(3):493-506 (161 ref.)

The neurofibromatosis-Noonan syndrome. Mendez HM. **Am J Med Genet** 1985 Jul;21(3):471-6

The neurofibromatosis-Noonan syndrome. Opitz JM, et al. **Am J Med Genet** 1985 Jul;21(3):477-90

Noonan syndrome in a patient with hyperplasia of the myenteric plexuses and neurofibromatosis [letter] Saul RA. **Am J Med Genet** 1985 Jul;21(3):491-2

HISTORY

The Noonan syndrome. Opitz JM. **Am J Med Genet** 1985 Jul;21(3):515-8

PATHOLOGY

Noonan syndrome and hyperextensible finger joints [letter] Pohjola-Sintonen S. **Arch Intern Med** 1985 Jan; 145(1):179-80

Noonan syndrome. Kaushik A, et al. **Indian Pediatr** 1984 May;21(5):421-2

SURGERY

[Operation and postoperative observation of a case of Noonan syndrome with VSD, PS and low intelligence] Horiguchi Y, et al. **Kyobu Geka** 1985 Jan;38(1):41-5 (Eng. Abstr.) (Jpn)

[A case of Noonan's syndrome accompanied with thrombocytopenia necessitating platelet transfusion in intracardiac reoperation] Terada M, et al. **Kyobu Geka** 1985 Jan;38(1):37-40 (Eng. Abstr.) (Jpn)

NORADRENALINE see **NOREPINEPHRINE**

NORANDROSTANES

ANALYSIS

[Bonded normal phase high performance liquid chromatographic determination of anordrin] Lu XL, et al. **Yao Hsueh Hsueh Pac** 1984 Mar;19(3):202-7 (Eng. Abstr.) (Chi)

PHARMACODYNAMICS

[The antifertility action of anordrin and its effect on plasma levels of progesterone in rabbits] Gu XG. **Yao Hsueh Hsueh Pao** 1985 Feb;20(2):84-8 (Eng. Abstr.) (Chi)

19-NORANDROSTENES see **ESTRENES**

NORANDROSTENOLONE see **NANDROLONE**

NORBORNANES

ANTAGONISTS & INHIBITORS

[Sensitivity to remantadine and ribavirin of influenza A virus resistant to 2-(1'-aminoethyl)-bicyclo(2.2.1)heptane hydrochloride] Gribkova NV, et al. **Vopr Virusol** 1984 Sep-Oct;29(5):619-21 (Rus)

EWARK PUBLIC LIBRA

CHEMICAL SYNTHESIS

Synthesis of stereoisomeric bornane and norbornane derivatives with spasmolytic activity. Vassilev V, et al. **Arch Pharm (Weinheim)** 1984 Nov;317(11):967-9

Synthesis and pharmacological activity of derivatives of exo-trimethylenenorbornane. V. Longobardi M, et al. **Farmaco [Sci]** 1985 Mar;40(3):162-9

Amides of N-phenyl benzonorbornen-2-endo-amine with hypotensive and other activities. Longobardi M, et al. **Farmaco [Sci]** 1985 Mar;40(3):152-61

Amides of benzonorbornen-2-endo-amine with local anesthetic and other activities. Longobardi M, et al. **Farmaco [Sci]** 1984 Aug;39(8):674-80

PHARMACODYNAMICS

Striatal dopamine receptor sensitivity after subchronic fencamfamine in the rat. Scavone C, et al. **Eur J Pharmacol** 1985 May 28;112(1):11-6

On the mechanism of central stimulation action of fencamfamine. DeLucia R, et al. **Gen Pharmacol** 1984; 15(5):407-10

THERAPEUTIC USE

Amphetamine, mazindol, and fencamfamin in narcolepsy. Shindler J, et al. **Br Med J [Clin Res]** 1985 Apr 20; 290(6476):1167-70

NORCAMPHANES see **NORBORNANES**

NOREPHEDRINE see **PHENYLPROPANOLAMINE**

NOREPINEPHRINE

Coronary vasoconstriction and catecholamine cardiomyopathy. Simons M, et al. **Am Heart J** 1985 Feb; 109(2):297-304

ADMINISTRATION & DOSAGE

The effect of graded doses of norepinephrine on the O2 supply/consumption balance in ischemic and nonischemic rabbit myocardium. Grover GJ, et al. **Eur J Pharmacol** 1985 Jan 15;108(1):9-18

Adrenergic sensitivity of different-size gastric submucosal arterioles. Oren-Wolman N, et al. **Microvasc Res** 1984 Nov; 28(3):345-51

[Intra-arterial chemotherapy with nor-adrenaline. Experimental study 1 (enhancement of anti-tumor effect and tumor vessels)] Sato T, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1245-52 (Eng. Abstr.) **(Jpn)**

[Enhancement of anti-cancer effect by increased injection pressure of a single shot in intra-arterial chemotherapy--the advantage of using noradrenaline in intra-arterial chemotherapy. An experimental study] Sato T, et al. **Gan To Kagaku Ryoho** 1985 Jul;12(7):1510-2 **(Jpn)**

[Intra-arterial regional therapy using noradrenaline in the complex treatment of diffuse peritonitis] Sinitsyn IV. **Vestn Khir** 1985 Feb;134(2):46-51 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Alpha-adrenergic potentiation of beta-adrenergic stimulation of rat pineal N-acetyltransferase. Studies using cirazoline and fluorine analogs of norepinephrine. Sugden D, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):3947-50

The effects of alpha-methylnoradrenaline on protein and electrolyte secretion by rat submandibular and parotid glands. Abe K, et al. **Comp Biochem Physiol [C]** 1984; 78(2):383-9

The intraocular pressure and the pupillary responses of conscious rabbits to racemic erythro-alpha-methylnorepinephrine. Langham ME. **Exp Eye Res** 1984 Dec;39(6):781-90

Effects of methyldopa metabolites on amine transmitters and adrenergic receptors in rat brain. Louis WJ, et al. **Hypertension** 1984 Sep-Oct;6(5 Pt 2):II40-4 (37 ref.)

Antihypertensive metabolites of alpha-methyldopa. Robertson D, et al. **Hypertension** 1984 Sep-Oct;6(5 Pt 2):II45-50 (32 ref.)

Quantitative and qualitative analysis of the pressor effects of levonordefrin. Robertson VJ, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct;6(5):929-35

Conjugates of catecholamines. 5. Synthesis and beta-adrenergic activity of N-(aminoalkyl)norepinephrine derivatives. Reitz AB, et al. **J Med Chem** 1985 May; 28(5):634-42

ANALYSIS

Brain dopamine and noradrenaline concentrations in reference to acquisition of conditioned avoidance behaviour in intact and orchectomized rats. Bikas N, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984;265:9-11

Depletion of cardiac norepinephrine in rats and mice by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). Fuller RW, et al. **Biochem Pharmacol** 1984 Oct 1; 33(19):2957-60

Effects of whole body vibration on biogenic amines in rat brain. Ariizumi M, et al. **Br J Ind Med** 1985 Feb;42(2):133-6

Coexistence of vasopressin, neurophysin and noradrenaline immunoreactivity in medium-sized cells of the locus coeruleus and subcoeruleus in the rat. Caffé AR, et al. **Brain Res** 1985 Jul 8;338(1):160-4

The prefrontal 'cortex' in the pigeon. Biochemical evidence. Divac I, et al. **Brain Res** 1985 Apr 22;332(2):365-8

Differential distribution of locus coeruleus projections to the hippocampal formation: anatomical and biochemical evidence. Haring JH, et al. **Brain Res** 1985 Jan 28; 325(1-2):366-9

Catecholamine topochemistry in human basal ganglia. Comparison between normal and Alzheimer brains. Nyberg P, et al. **Brain Res** 1985 Apr 29;333(1):139-42

The role of the posterior hypothalamic area in the pathogenesis of hypertension in the spontaneously hypertensive rat. Winternitz SR, et al. **Brain Res** 1984 Dec 17;324(1):51-8

Plasma, adrenal, and heart catecholamines in physically trained normal and diabetic rats. Jobidon C, et al. **Diabetes** 1985 Jun;34(6):532-5

Elevated catecholamines in porcine follicular fluid before ovulation. Bahr JM, et al. **Endocrinology** 1985 Aug; 117(2):620-3

Catecholamine concentrations in tears. Trope GE, et al. **Exp Eye Res** 1984 Sep;39(3):247-50

Neuropeptide Y-like immunoreactive structures in the rat stomach with special reference to the noradrenaline neuron system. Lee Y, et al. **Gastroenterology** 1985 Jul;89(1):118-26

Increased adrenal epinephrine and norepinephrine in spontaneously hypertensive rats treated with hyperbaric oxygen. Nakada T, et al. **Hinyokika Kiyo** 1984 Oct; 30(10):1357-66

The microanalysis of rat brain noradrenaline and dopamine by high performance liquid chromatography. Kajihara S, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):259-63

Colorimetric determination of sympathomimetic amines methyldopa and noradrenaline. Walash MI, et al. **J Assoc Off Anal Chem** 1985 Jan-Feb;68(1):91-5

Histofluorescent and radioenzymatic analysis of colonic catecholamines in man. Koch TR, et al. **J Auton Nerv Syst** 1984 Dec;11(4):383-91

Antiarrhythmic effect of reducing myocardial noradrenaline stores with alpha-methyl-meta-tyrosine. Abrahamsson T, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S81-5

Quantitative analysis of postmortem changes in myocardial norepinephrine using HPLC with electrochemical detection. Pierpont GL, et al. **J Lab Clin Med** 1984 Nov; 104(5):678-84

Alteration in the postnatal ontogeny of cerebellar norepinephrine content following chronic prenatal carbon monoxide. Storm JE, et al. **J Neurochem** 1985 Sep; 45(3):965-9

Dopamine beta-hydroxylase-like immunoreactivity in the rat and cat carotid body: a light and electron microscopic study. Chen IL, et al. **J Neurocytol** 1985 Feb;14(1):131-44

Differential visualization of dopamine and norepinephrine uptake sites in rat brain using [3H]mazindol autoradiography. Javitch JA, et al. **J Neurosci** 1985 Jun; 5(6):1513-21

Measurement of noradrenaline synthesis in rat hippocampal synaptosomes using HPLC with ECD. Birch PJ, et al. **J Neurosci Methods** 1985 May;13(3-4):231-8

Catecholamine binding by adrenal medullary protein can interfere with a sensitive radioenzymatic assay for norepinephrine. Studelska DR, et al. **Life Sci** 1985 Mar 4;36(9):881-7

Differential effects of reserpine and 6-hydroxydopamine on neuropeptide Y (NPY) and noradrenaline in peripheral neurons. Lundberg JM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):331-40

Electroacupuncture alters catecholamines in brain regions of rats. Sun AY, et al. **Neurochem Res** 1985 Feb;10(2):251-8

Determination of dopamine, norepinephrine, serotonin and their major metabolic products in rat brain by reverse-phase ion-pair high performance liquid chromatography with electrochemical detection. Kotake C, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):85-9

The monoaminergic innervation of the rat visual cortex. Parnavelas JG, et al. **Proc R Soc Lond [Biol]** 1985 Jan 22; 223(1232):319-29

Development of an opioid-specific action of morphine in modifying recovery of neonatally-damaged noradrenergic fibers in rat brain. Kostrzewa RM, et al. **Res Commun Chem Pathol Pharmacol** 1984 Oct;46(1):3-11

Noradrenaline content of the hypothalamus and brain-stem of rats inoculated with Trypanosoma cruzi. Cosenza RM, et al. **Rev Inst Med Trop Sao Paulo** 1984 Sep-Oct; 26(5):243-6

Twenty-four hour rhythms of norepinephrine and serotonin in nucleus suprachiasmaticus, raphe nuclei, and locus coeruleus in the rat. Semba J, et al. **Sleep** 1984;7(3):211-8

[Changes of neurotransmitter levels in epilepsy, with special reference to kindling models] Sato M, et al. **Nippon Rinsho** 1984 Apr;42(4):880-4 **(Jpn)**

[Effect of carbon dioxide baths on the content of catecholamines in the brain and processes of their inactivation] Mirzoian SA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun; (3):16-9 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Selective decrease of hypothalamic noradrenaline by cysteamine. Vécsei L, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):125-8

Atrial natriuretic factor inhibits the hypertension induced by chronic infusion of norepinephrine in conscious rats. Yasujima M, et al. **Circ Res** 1985 Sep;57(3):470-4

Trimipramine, a tricyclic antidepressant exerting atypical actions on the central noradrenergic system. Hauser K, et al. **Eur J Pharmacol** 1985 Apr 23;111(1):23-30

[Leu5]enkephalin inhibits norepinephrine-induced contraction of rat aorta. Ruth JA, et al. **Eur J Pharmacol** 1984 Oct 1;105(1-2):189-91

Antagonism of the antidiarrhoeal effect of clonidine and the lethal effect of noradrenaline in rats: a reliable procedure to evaluate the in-vivo alpha 1- and alpha 2-blocking activity of drugs? Megens AA, et al. **J Pharm Pharmacol** 1984 Aug;36(8):516-20

Reversal by the calcium antagonist nisoldipine of norepinephrine-induced reduction of GFR: evidence for preferential antagonism of preglomerular vasoconstriction. Loutzenhiser R, et al. **J Pharmacol Exp Ther** 1985 Feb; 232(2):382-7

Antagonism of the positive chronotropic effect of norepinephrine by purine nucleosides in rat atria. Samet MK, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):106-10

Different sensitivity of blocking effects of alpha-adrenoceptor blocking agents on vascular responses to intraluminal norepinephrine and periarterial stimulation in isolated dog arteries. Chiba S, et al. **Jpn J Pharmacol** 1985 May;38(1):83-9

Selective noradrenaline depletion markedly alters stress responses in rats. Glavin GB. **Life Sci** 1985 Aug 5; 37(5):461-5

Pharmacology in vivo of the phenylindan derivative, Lu 19-005, a new potent inhibitor of dopamine, noradrenaline and 5-hydroxytryptamine uptake in rat brain. Arnt J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Apr; 329(2):101-7

Influence of MAO A and MAO B on the inactivation of noradrenaline in the saphenous vein of the dog. Caramona MM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):401-6

Effects of lithium in vitro on noradrenaline-induced cyclic AMP accumulation in rat cortical slices after reserpine-induced supersensitivity. Newman ME, et al. **Neuropharmacology** 1985 Apr;24(4):353-5

Differential sensitivity to prazosin and yohimbine blockade of tyramine and noradrenaline. Lucchelli A, et al. **Pharmacol Res Commun** 1985 Mar;17(3):271-81

The influence of prazosin on E. coli lipopolysaccharide-induced fever and noradrenaline hyperthermia. Matuszek M, et al. **Pol J Pharmacol Pharm** 1984 Nov-Dec;36(6):585-93

The inhibition of norepinephrine release in nasal mucosa by acetylcholine. Jackson RT, et al. **Rhinology** 1985 Mar; 23(1):59-64

BIOSYNTHESIS

Effects of low pH on synthesis and release of catecholamines in the cat carotid body in vitro. Rigual R, et al. **Brain Res** 1984 Aug 20;309(1):178-81

Effect of gonadectomy on brain catecholamines during the postnatal period. Leret ML, et al. **Comp Biochem Physiol [C]** 1985;81(2):405-9

Norepinephrine in the rat ovary: ontogeny and de novo synthesis. Ben-Jonathan N, et al. **Endocrinology** 1984 Oct; 115(4):1426-31

Epinephrine and norepinephrine syntheses are regulated by a glucocorticoid receptor-mediated mechanism in the bovine adrenal medulla. Nawata H, et al. **Life Sci** 1985 May 20;36(20):1957-66

Mass spectrometric measurements of norepinephrine synthesis in man from infusion of stable isotope-labelled L-threo-3,4-dihydroxyphenylserine. Suzuki T, et al. **Life Sci** 1985 Feb 4;36(5):435-42

BLOOD

Pirenzepine depresses plasma noradrenaline in duodenal ulcer patients. Graffner H, et al. **Acta Chir Scand [Suppl]** 1984; 520:41-4

Anesthetic agents and sympatho-adrenal response to hemorrhage in the rat. Hamberger B, et al. **Acta Chir Scand [Suppl]** 1984;520:109-13

Beta receptors in peripheral mononuclear cells increase acutely during exercise. Burman KD, et al. **Acta Endocrinol (Copenh)** 1985 Aug;109(4):563-8

Altered plasma catecholamines and numbers of alpha- and beta-adrenergic receptors in platelets and leucocytes in hyperthyroid patients normalized under antithyroid treatment. Ratge D, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):75-82

Effects of thyrotrophin-releasing hormone on plasma catecholamine levels in acromegalics. Rozenberg I, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):19-24

Responses of plasma catecholamines to tilt in patients with diabetes mellitus. Sundkvist G, et al. **Acta Med Scand** 1984; 216(2):223-7

Sympatho-adrenal activity and metabolic adjustment during the first 12 hours after birth in infants of diabetic mothers. Broberger U, et al. **Acta Paediatr Scand** 1984 Sep; 73(5):620-5

Catecholamine response to chest physiotherapy and endotracheal suctioning in preterm infants. Greisen G, et al. **Acta Paediatr Scand** 1985 Jul;74(4):525-9

Catecholamine surge and metabolic adaptation in the newborn after vaginal delivery and caesarean section. Hägnevik K, et al. **Acta Paediatr Scand** 1984 Sep; 73(5):602-9

Plasma noradrenaline and adrenaline in newborn infants of diabetic mothers: relation to plasma lipids. Hertel J, et al. **Acta Paediatr Scand** 1985 Jul;74(4):521-4

Gastric cytoprotection by pirenzepine is not mediated by catecholamines. Martinotti E, et al. **Acta Physiol Hung** 1984;64(3-4):219-24

The effect of acoustic stimulus of different continuity pattern on plasma concentration of catecholamines in humans during submaximal exercise. Buczyński A, et al. **Acta Physiol Pol** 1983 Sep-Dec;34(5-6):595-600

Changes in blood level of catecholamines during arterial blood pressure rise induced with sciatic nerve stimulation. Całkosiński I, et al. **Acta Physiol Pol** 1984 Jan-Feb; 35(1):47-51

Seasonal changes in blood lipids, adrenaline, noradrenaline, glucose and insulin in Norwegian reindeer. Larsen TS, et al. **Acta Physiol Scand** 1985 May;124(1):53-9

Reduction of plasma norepinephrine levels in response to brief coronary occlusion in experimental dogs. Haneda T, et al. **Am Heart J** 1985 Jun;109(6):1264-8

Effect of a benzodiazepine (alprazolam) on plasma epinephrine and norepinephrine levels during exercise stress. Stratton JR, et al. **Am J Cardiol** 1985 Jul 1; 56(1):136-9

Comparison of myocardial catecholamine balance in chronic congestive heart failure and in angina pectoris without failure. Swedberg K, et al. **Am J Cardiol** 1984 Oct 1; 54(7):783-6

Fluidity of cadaveric blood after sudden death: Part I. Postmortem fibrinolysis and plasma catecholamine level. Takeichi S, et al. **Am J Forensic Med Pathol** 1984 Sep; 5(3):223-7

Normal catecholamine and hemodynamic responses to orthostatic tilt in subjects with mitral valve prolapse. Correlation with psychologic testing. Chesler E, et al. **Am J Med** 1985 May;78(5):754-60

Catecholamine responses in fetal lambs subjected to hemorrhage. Jones CM, et al. **Am J Obstet Gynecol** 1985 Feb 15;151(4):475-8

Pentobarbital effects on plasma catecholamines: temperature, heart rate, and blood pressure. Baum D, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E95-100

Blood pressure and norepinephrine spillover during propranolol infusion in humans. Best JD, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):R400-6

Pentobarbital anesthesia suppresses basal and 2-deoxy-D-glucose-stimulated plasma catecholamines. Taborsky GJ Jr, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R905-10

Correlation between cardiac performance and plasma catecholamine levels in conscious dogs. Young MA, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H82-8

Decidua-associated changes in guinea pig uterine blood flow and volume: relation to uterine norepinephrine concentrations. Garris DR, et al. **Anat Rec** 1985 Apr; 211(4):410-13

Effects of intravenous bupivacaine on cardiovascular function and plasma catecholamine levels in humans. Hasselstrøm LJ, et al. **Anesth Analg** 1984 Dec;63(12):1053-8

The effects of toxic concentrations of theophylline on oxygen consumption, ventricular work, acid base balance, and plasma catecholamine levels in the dog. Curry SC, et al. **Ann Emerg Med** 1985 Jun;14(6):554-61

Depression of pulmonary metabolic function by cardiopulmonary bypass procedures increases levels of circulating norepinephrine. Pitt BR, et al. **Ann Thorac Surg** 1984 Nov;38(5):508-13

The relationship between potassium balance and circulating catecholamines in essential hypertension. Cerasola G, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30;60(6):1111-7

Measurement of plasma catecholamine concentrations. An assessment of anxiety. Fell D, et al. **Br J Anaesth** 1985 Aug;57(8):770-4

Unchanged peripheral sympathetic activity following withdrawal of chronic metoprolol treatment. A study of noradrenaline concentrations and kinetics in plasma. Olsson G, et al. **Br J Clin Pharmacol** 1984 Oct;18(4):573-9

The plasma noradrenaline and growth hormone response to alpha-methyldopa and clonidine in hypertensive subjects. Struthers AD, et al. **Br J Clin Pharmacol** 1985 Mar; 19(3):311-7

Plasma catecholamines and modes of delivery: the relation between catecholamine levels and in-vitro platelet aggregation and adrenoreceptor radioligand binding characteristics. Jones CR, et al. **Br J Obstet Gynaecol** 1985 Jun;92(6):593-9

Sympatho-adrenal and cardiovascular reactivity in pregnancy-induced hypertension. I. Responses to isometric exercise and a cold pressor test. Nisell H, et al. **Br J Obstet Gynaecol** 1985 Jul;92(7):722-31

Catecholamine responses to changes in posture during human pregnancy. Whittaker PG, et al. **Br J Obstet Gynaecol** 1985 Jun;92(6):586-92

Circulating catecholamines in acute asthma. Ind PW, et al. **Br Med J [Clin Res]** 1985 Jan 26;290(6464):267-9

Hormonal and haemodynamic responses to upper abdominal surgery during isoflurane and balanced anaesthesia. Gelman S, et al. **Can Anaesth Soc J** 1984 Sep;31(5):509-16

Heart rate modulates the disposition of neurally released norepinephrine in cardiac tissues. Masuda Y, et al. **Circ Res** 1985 Jul;57(1):19-27

Elevated plasma norepinephrine concentrations in decompensated cirrhosis. Association with increased secretion rates, normal clearance rates, and suppressibility by central blood volume expansion. Nicholls KM, et al. **Circ Res** 1985 Mar;56(3):457-61

Plasma catecholamines in the conscious rat during endotoxicosis. Jones SB, et al. **Circ Shock** 1984; 14(3):189-201

Changes in plasma catecholamine concentrations in patients with coronary heart disease during pacing and physical exercise. Dominiak P, et al. **Clin Cardiol** 1985 Feb; 8(2):77-81

Stability of norepinephrine in blood [letter] Brent PJ, et al. **Clin Chem** 1985 Apr;31(4):659-60

Evidence for the participation of endogenous opioids in the sympathoadrenal response to hypoglycaemia in man. Bouloux PM, et al. **Clin Endocrinol (Oxf)** 1985 Jan; 22(1):49-56

Circulating catecholamine, thyrotrophin, thyroid hormone and prolactin responses of normal subjects to acute cold exposure. O'Malley BP, et al. **Clin Endocrinol (Oxf)** 1984 Sep;21(3):285-91

Low sodium diet augments plasma and tissue catecholamine levels in pithed rats. Kaufman LJ, et al. **Clin Exp Hypertens [A]** 1984;6(9):1543-58

Hormone and blood pressure relationships in primary aldosteronism. Nicholls MG, et al. **Clin Exp Hypertens [A]** 1984;6(8):1441-58

Changes of immunoregulatory cells induced by psychological and physical stress: relationship to plasma catecholamines. Landmann RM, et al. **Clin Exp Immunol** 1984 Oct; 58(1):127-35

Increased plasma noradrenaline during low dose adrenaline infusion in resting man and during sympathetic stimulation. Musgrave IF, et al. **Clin Exp Pharmacol Physiol** 1985 May-Jun;12(3):285-9

Metabolic and haemodynamic effects of alpha 2-adrenoceptor stimulation and antagonism in man. Brown MJ, et al. **Clin Sci** 1985;68 Suppl 10:137s-139s

Plasma catecholamine responses to change of posture in alcoholics during withdrawal and after continued abstinence from alcohol. Eisenhofer G, et al. **Clin Sci** 1985 Jan;68(1):71-8

Changes in plasma catecholamines in response to reflex modulation of sympathetic vasoconstrictor tone by cardiopulmonary receptors. Grassi G, et al. **Clin Sci** 1985 May;68(5):503-10

Plasma catecholamines and vascular reactivity in uremic and dialysis patients. Campese VM, et al. **Contrib Nephrol** 1984; 41:90-8

Hormonal responses to exercise in diabetic and nondiabetic pregnant patients. Artal R, et al. **Diabetes** 1985 Jun;34 Suppl 2:78-80

Rapid bidirectional effects of insulin on hypothalamic noradrenergic and serotoninergic neuronal activity in the rat: role in glucose homeostasis. Smythe GA, et al. **Endocrinology** 1985 Oct;117(4):1590-7

Plasma testosterone and catecholamine responses to physical exercise of different intensities in men. Ježová D, et al. **Eur J Appl Physiol** 1985;54(1):62-6

Plasma glucagon and catecholamines during exhaustive short-term exercise. Näveri H, et al. **Eur J Applied Physiol** 1985;53(4):308-11

Influence of physical training on blood pressure, plasma renin, angiotensin and catecholamines in patients with ischaemic heart disease. Vanhees L, et al. **Eur J Applied Physiol** 1984;53(3):219-24

Bromocriptine reduces plasma noradrenaline and 3,4-dihydroxyphenylacetic acid in normal and hypotensive subjects. Mercuro G, et al. **Eur J Clin Pharmacol** 1985; 27(6):671-5

The measurement of plasma noradrenaline before and after tilt in young and old healthy subjects. Vargas E, et al. **Gerontology** 1984;30(4):253-60

Adrenergic activity and peripheral hemodynamics in relation to sodium sensitivity in patients with essential hypertension. Koolen MI, et al. **Hypertension** 1984 Nov-Dec;6(6 Pt 1):820-5

Age-related changes of baroreflex function, plasma norepinephrine, and blood pressure. Shimada K, et al. **Hypertension** 1985 Jan-Feb;7(1):113-7

Diet and weight loss: their effect on norepinephrine renin and aldosterone levels. Grossman E, et al. **Int J Obes** 1985; 9(2):107-14

Plasma catecholamine and blood lactate cumulation during incremental exhaustive exercise. Lehmann M, et al. **Int J Sports Med** 1985 Apr;6(2):78-81

MDL 17,043 therapy in severe congestive heart failure: characterization of the early and late hemodynamic, pharmacokinetic, hormonal and clinical response. Uretsky BF, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1414-21

The hemodynamic and plasma catecholamine responses to routine restorative dental care. Cioffi GA, et al. **J Am Dent Assoc** 1985 Jul;111(1):67-70

Hypoxemia increases plasma catecholamine concentrations in exercising humans. Escourrou P, et al. **J Appl Physiol** 1984 Nov;57(5):1507-11

Plasma catecholamines in rats during rewarming from induced hypothermia. Jones SB, et al. **J Appl Physiol** 1984 Sep;57(3):808-14

Renal norepinephrine overflow during graded renal nerve stimulation before and after beta-adrenoceptor blockade. Chen YH, et al. **J Auton Nerv Syst** 1984 Nov;11(3):285-95

Plasma noradrenaline kinetics in humans. Esler M, et al. **J Auton Nerv Syst** 1984 Sep;11(2):125-44 (65 ref.)

Determination of adult sheep plasma catecholamines using [3H]norepinephrine as the internal standard. Boylan JM, et al. **J Chromatogr** 1985 Feb 27;338(1):192-4

Simultaneous assay of 3,4-dihydroxyphenylethylene glycol and norepinephrine in human plasma by high-performance liquid chromatography with electrochemical detection. Howes LG, et al. **J Chromatogr** 1985 Mar 22;338(2):401-3

Simple and fast analysis of adrenaline and noradrenaline in plasma on microbore high-performance liquid chromatography columns using fluorimetric detection. Kamperman G, et al. **J Chromatogr** 1985 Feb 8; 337(2):384-90

Circadian rhythms of epinephrine and norepinephrine in man. Linsell CR, et al. **J Clin Endocrinol Metab** 1985 Jun; 60(6):1210-5

Low plasma norepinephrine responses to acute hypoglycemia in children with isolated growth hormone deficiency. Voorhess ML, et al. **J Clin Endocrinol Metab** 1984 Oct; 59(4):790-3

Age-related changes in venous catecholamines basally and during epinephrine infusion in man. Wilkie FL, et al. **J Gerontol** 1985 Mar;40(2):133-40

Noradrenaline release and sympathetic nervous system activity. Esler MD, et al. **J Hypertens** 1985 Apr;3(2):117-29 (97 ref.)

Plasma prolactin, renin and catecholamines in young normotensive and borderline hypertensive subjects. Saito I, et al. **J Hypertens** 1984 Feb;2(1):61-4

Effects of potassium on sodium balance, renin, noradrenaline and arterial pressure. Zoccali C, et al. **J Hypertens** 1985 Feb;3(1):67-72

Endogenous opiate peptides may limit norepinephrine release during hemorrhage. Schadt JC, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):656-60

Estimation of plasma and urinary catecholamines in Guillain-Barré syndrome. Ahmad J, et al. **Jpn J Med** 1985 Feb;24(1):24-9

Physical activity decreases the number of beta-adrenergic receptors on human lymphocytes. Krawietz W, et al. **Klin Wochenschr** 1985 Jan 15;63(2):73-8

Naloxone and methylprednisolone sodium succinate enhance sympathomedullary discharge in patients with septic shock. Hughes GS Jr. **Life Sci** 1984 Dec 3;35(23):2319-26

The effect of desmethylimipramine on the metabolism of norepinephrine. Zavadil AP 3d, et al. **Life Sci** 1984 Sep 3;35(10):1061-8

Effects of water immersion on plasma catecholamines in decompensated cirrhosis. Implications for deranged sodium and water homeostasis. Epstein M, et al. **Miner Electrolyte Metab** 1985;11(1):25-34

Response of plasma norepinephrine levels to stimulation in renovascular hypertension. Waks AU, et al. **Mt Sinai J Med (NY)** 1984 Dec;51(6):687-94

Plasma catecholamines in arterial and capillary blood. Baumgartner H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):461-3

Effects of 2-deoxyglucose on plasma catecholamines in adult and aged rats. McCarty R. **Neurobiol Aging** 1984 Winter; 5(4):285-9

Gonadotropin-releasing hormone increases plasma catecholamines and blood pressure in toads. Wilson JX, et al. **Neuroendocrinology** 1984 Nov;39(5):437-41

Effects of psychoactive drugs on plasma catecholamines during stress in rats. Vogel WH, et al. **Neuropharmacology** 1984 Sep;23(9):1105-8

Biochemical, physical and psychological findings in patients suffering from cardiac neurosis. Gasic S, et al. **Neuropsychobiology** 1985;13(1-2):12-6

Temporal relationship between noradrenaline release in the central amygdala and plasma noradrenaline secretion in rats and tree shrews. Dietl H. **Neurosci Lett** 1985 Mar 22; 55(1):41-6

Effect of histamine infusion on circulating methionine-enkephalin and catecholamine concentrations. Smith R, et al. **Neurosci Lett** 1985 Apr 19;55(3):289-92

Plasma norepinephrine levels among patients with acute head injury. HPLC and clinical application (VI). Ikeda Y, et al. **Nippon Ika Daigaku Zasshi** 1984 Oct;51(5):643-4

Plasma adrenaline and noradrenaline during mental stress and isometric exercise in man. The role of arterial sampling. Jörgensen LS, et al. **Scand J Clin Lab Invest** 1985 Sep; 45(5):447-52

[Effects of variation in dietary sodium intake on plasma catecholamines in normal subjects] Jin L, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):378-80 (Eng. Abstr.) **(Chi)**

[Plasma norepinephrine and cardiac sympathetic activity during dynamic exercise in man: what is the relationship?] Cousineau D, et al. **Union Med Can** 1985 Feb;114(2):109-12, 114 (Eng. Abstr.) **(Fre)**

[Conjugated plasma catecholamines are lower in power athletes at rest and in physical work than in untrained probands] Lehmann M, et al. **Klin Wochenschr** 1985 Jan 2;63(1):37-42 (Eng. Abstr.) **(Ger)**

NEWARK PUBLIC LIBRARY

[Modification of adrenaline and noradrenaline levels by stress in air and oxygen breathing in patients with chronic obstructive ventilation disorders] Rühle KH, et al. **Prax Klin Pneumol** 1984 Dec;38(12):534–8 (Eng. Abstr.) **(Ger)**

[Changes in sympathetic activity in 18 postinfarct patients following a year of exercise therapy] Lehmann M, et al. **Z Kardiol** 1984 Dec;73(12):756–9 (Eng. Abstr.) **(Ger)**

[Configuration frequency analysis. XXIa. Stress-induced catecholamine reactions in hyper- and normotensive patients] Netter P, et al. **Z Klin Psychol Psychopathol Psychother** 1984;32(4):356–64 **(Ger)**

[Plasma increase of dihydroxyphenylacetic acid, a dopamine metabolite, in cardiac decompensation] Mercuro GG, et al. **Cardiologia** 1985 Jan;30(1):39–45 (Eng. Abstr.) **(Ita)**

[Relation between asymmetrical hypertrophy of the interventricular septum and plasma levels of catecholamines in normotensive chronic uremic patients undergoing hemodialysis treatment] Bernardi D, et al. **G Ital Cardiol** 1984 Dec;14(12):999–1005 (Eng. Abstr.) **(Ita)**

[Essential arterial hypertension: influence of the hormonal pattern and the exercise test on hemorheology. Preliminary results] Caimi G, et al. **Minerva Cardioangiol** 1984 Dec; 32(12):941–7 (Eng. Abstr.) **(Ita)**

[Influence of aging on the function of the sympathetic nervous system in healthy subjects--plasma norepinephrine, epinephrine and dopamine levels in rest and changes of posture] Hashisaki K, et al. **Kokyu To Junkan** 1984 Nov;32(11):1151–4 **(Jpn)**

[Plasma norepinephrine levels in patients with heart diseases during exercise] Koga Y, et al. **Kokyu To Junkan** 1984 Nov;32(11):1155–7 **(Jpn)**

[Interrelation between plasma norepinephrine and cardiovascular response to exercise in healthy young adults, the aged and patients with ischemic heart disease] Takahashi K, et al. **Kokyu To Junkan** 1985 Mar;33(3):391–5 (Eng. Abstr.) **(Jpn)**

[Clinical significance of plasma norepinephrine and epinephrine early in the course of acute myocardial infarction] Toda G, et al. **Kokyu To Junkan** 1985 May; 33(5):657–61 (Eng. Abstr.) **(Jpn)**

[Studies on plasma catecholamines during cardiopulmonary bypass --with special reference to the effects on children and adults] Isoda N. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jun;32(6):920–31 (Eng. Abstr.) **(Jpn)**

[The role of prostaglandins for norepinephrine clearance in borderline hypertension] Koshida H, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Oct 20; 60(10):1193–201 (Eng. Abstr.) **(Jpn)**

[Effect of combined electroanesthesia on catecholamine, cortisol and insulin concentrations in the peripheral blood of urological patients] Karpenko VV, et al. **Anesteziol Reanimatol** 1984 Nov–Dec;(6):14–6 (Eng. Abstr.) **(Rus)**

[Physiologico-biochemical correlates of the behavioral reactions in cats under states of emotional stress] Khomulo PS, et al. **Vopr Med Khim** 1984 Jul–Aug;30(4):53–5 (Eng. Abstr.) **(Rus)**

[Disorders of catecholamine sorption by the formed elements of the blood in cancer patients and restorative therapy] Sheveleva VS, et al. **Vopr Onkol** 1985;31(5):72–4 **(Rus)**

[Radioimmunoanalysis of adrenaline and noradrenaline in the normal fetus at term] Martínez Alcalá FO, et al. **Ginecol Obstet Mex** 1983 Oct;51(318):267–72 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Noradrenaline content of cerebrospinal fluid in preterm and term infants recovering from perinatal asphyxia. Bódis J, et al. **Acta Paediatr Hung** 1984;25(4):343–6

Adrenaline and MAO-inhibition in CSF and brain. Rafaelsen OJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1985;56 Suppl 1:98–104

Liquid chromatographic assay for CSF catecholamines using electrochemical detection. Seppala T, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Aug;55(2):81–7

Relationship between CSF noradrenaline levels, C-EEG indicators of activation and psychosis ratings in drug-free schizophrenic patients. Kemali D, et al. **Acta Psychiatr Scand** 1985 Jan;71(1):19–24

Involvement of catecholamines and serotonin in human hypertension. Sharma A, et al. **Pharmacol Res Commun** 1985 Jun;17(6):565–74

Decrease in dopamine, its metabolites and noradrenaline in cerebrospinal fluid of schizophrenic patients after withdrawal of long-term neuroleptic treatment. Bagdy G, et al. **Psychopharmacology (Berlin)** 1985;85(1):62–4

Effects of alcohol on cerebrospinal fluid norepinephrine in rhesus monkeys. Kraemer GW, et al. **Psychopharmacology (Berlin)** 1985;85(4):444–8

[Studies on the etiological relationship between NA in the CSF in cerebral vascular diseases] Xu WX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Feb; 7(1):46–7 (Eng. Abstr.) **(Chi)**

[Effect of high and low salt intakes on norepinephrine concentrations in cerebrospinal fluid in patients with essential hypertension] Gotoh E, et al. **Nippon Naika Gakkai Zasshi** 1984 Jun;73(6):801–6 **(Jpn)**

DEFICIENCY

Hypothesis of a deficiency of central noradrenergic input in DST nonsuppressor depressed patients. A clinical study with determination of DST and plasma DOPEG: negative results. Loo H, et al. **Adv Biochem Psychopharmacol** 1985; 40:99–102

Growth and plasticity of rat cerebral cortex after central noradrenaline depletion. Brenner E, et al. **Exp Neurol** 1985 Jul;89(1):264–8

DIAGNOSTIC USE

Parathyroid hormone and the altered vascular response to norepinephrine in uremia. Collins J, et al. **Am J Nephrol** 1985;5(2):110–3

[Skin vascular reactivity to noradrenaline in healthy subjects and hypertensives based on data from a method continuously recording the intensity of reflected light] Oshchepkova EV, et al. **Kardiologiia** 1985 Mar;25(3):22–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Brain catecholamines in spontaneously hypertensive and DOCA-salt hypertensive rats. Fujino K. **Acta Med Okayama** 1984 Aug;38(4):325–40

Relationship of tyrosine concentration to catecholamine levels in rat brain. Kaneyuki T, et al. **Acta Med Okayama** 1984 Aug;38(4):403–7

Relationship between the release and uptake of noradrenaline by rat brain synaptosomes in the formation of defensive conditioned reflex. Bazyan AS, et al. **Acta Neurobiol Exp (Warsz)** 1985;45(1–2):37–46

Modulation of the release of noradrenaline and of noncholinergic, nonadrenergic inhibitory neurotransmitter through presynaptic N-cholinergic receptors by means of depolarizing agents in cat internal anal sphincter. Todorov L, et al. **Acta Physiol Pharmacol Bulg** 1984;10(2):42–52

Differential effects of mecamylamine on the nicotine induced changes in amine levels and turnover in hypothalamic dopamine and noradrenaline nerve terminal systems and in the secretion of adenohypophyseal hormones in the castrated female rat. Evidence for involvement of cholinergic nicotine-like receptors. Anderson K, et al. **Acta Physiol Scand** 1984 Apr;120(4):489–98

Effects of acute intermittent exposure to cigarette smoke on catecholamine levels and turnover in various types of hypothalamic DA and NA nerve terminal systems as well as on the secretion of adenohypophyseal hormones and corticosterone. Andersson K, et al. **Acta Physiol Scand** 1985 Jun;124(2):277–85

Corticotropin-releasing factor increases noradrenaline turnover in the median eminence and reduces noradrenaline turnover in the paraventricular region of the hypophysectomized male rat. Andersson K, et al. **Acta Physiol Scand** 1984 Apr;120(4):621–4

Further studies on renal nerve stimulation induced release of noradrenaline and dopamine from the canine kidney in situ. Bradley T, et al. **Acta Physiol Scand** 1984 Nov; 122(3):369–79

Changes in noradrenaline release and in beta receptor number in rat hippocampus following long-term treatment with theophylline or L-phenylisopropyladenosine. Fredholm BB, et al. **Acta Physiol Scand** 1984 Sep;122(1):55–9

Relationship between the overflow of endogenous and radiolabelled noradrenaline from canine blood perfused gracilis muscle. Kahan T, et al. **Acta Physiol Scand** 1984 Dec;122(4):571–82

Neuronal and extraneuronal uptake of L-3H-adrenaline and L-14C-noradrenaline in the fish spleen. Ungell AL, et al. **Acta Physiol Scand** 1984 Dec;122(4):455–60

Noradrenergic modulation of cerebral cortical oxidative metabolism. LaManna JC, et al. **Adv Exp Med Biol** 1984; 180:211–9

Norepinephrine turnover and voluntary consumption of ethanol in the rat. Socaransky SM, et al. **Alcohol** 1985 Mar–Apr;2(2):339–42

Enhanced [3H]-noradrenaline release in synaptosomes from ethanol-tolerant animals: the role of nerve terminal calcium ion concentrations. Lynch MA, et al. **Alcohol Alcohol** 1985; 20(1):5–11

Uptake and metabolism of norepinephrine by endothelium of dog pulmonary artery. Rorie DK, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):H193–7

Altered norepinephrine uptake in neuronal cultures from spontaneously hypertensive rat brain. Sumners C, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C488–97

Hypothalamic obesity, brown adipose tissue, and sympathoadrenal activity in rats. Vander Tuig JG, et al. **Am J Physiol** 1985 May;248(5 Pt 1):E607–17

Regulation of sympathetic activity in lean and obese Zucker (fa/fa) rats. York DA, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E299–305

Pretreatment neurotransmitter metabolite levels and response to tricyclic antidepressant drugs. Maas JW, et al. **Am J Psychiatry** 1984 Oct;141(10):1159–71

Cardiac noradrenalin in relation to protein malnutrition in chronic experimental Chagas' disease in the rat. Machado CR, et al. **Am J Trop Med Hyg** 1984 Sep;33(5):835–8

Evidence that halothane inhibits norepinephrine release from sympathetic nerve endings in dog saphenous vein by stimulation of presynaptic inhibitory muscarinic receptors. Rorie DK, et al. **Anesth Analg** 1984 Dec;63(12):1059–64

Halothane-induced changes in the release and disposition of norepinephrine at adrenergic nerve endings in dog saphenous vein. Lunn JJ, et al. **Anesthesiology** 1984 Oct; 61(4):377–84

Alterations in the release of norepinephrine at the vascular neuroeffector junction in hypertension. Westfall TC, et al. **Annu Rev Pharmacol Toxicol** 1985;25:621–41 (149 ref.)

Noradrenergic function and the mechanism of action of antianxiety treatment. II. The effect of long-term imipramine treatment. Charney DS, et al. **Arch Gen Psychiatry** 1985 May;42(5):473–81

Noradrenergic function and the mechanism of action of antianxiety treatment. I. The effect of long-term alprazolam treatment. Charney DS, et al. **Arch Gen Psychiatry** 1985 May;42(5):458–67

Co-storage of adrenaline and noradrenaline with Met-enkephalin-Arg6-Gly7-Leu8 and Met-enkephalin-Arg6-Phe7 in chromaffin cells of hamster adrenal medulla. Kobayashi S, et al. **Arch Histol Jpn** 1984 Aug;47(3):319–36

Norepinephrine turnover in the heart and blood vessels of rats subjected to bilateral renal infarction. Kurnjek ML, et al. **Arch Int Physiol Biochim** 1984 Aug;92(2):53–63

Effect of centhaquine on spontaneous and evoked norepinephrine release from isolated perfused rabbit heart. Bhatnagar M, et al. **Arzneimittelforschung** 1985;35(4):693–7

Change of catecholamine turnover in ovary during the rat estrous cycle. Nagahara Y, et al. **Asia Oceania J Obstet Gynaecol** 1985 Jun;11(2):261–4

Metabolism of exogenous noradrenaline in slices of hypothalamus and caudate nucleus of the brush-tail possum, Trichosurus vulpecula. Minson JB, et al. **Aust J Exp Biol Med Sci** 1984 Jun;62 (Pt 3):325–40

Effects of high hydrostatic pressure on catecholamine contents in tissues of the eel acclimatized at two temperatures. Sebert P, et al. **Aviat Space Environ Med** 1984 Oct;55(10):931–4

Unexpected increase in catecholamines in adrenals of rats treated with 3-deazaadenosine. Brown ND, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):924–8

Tetanus toxin affects the K+-stimulated release of catecholamines from nerve growth factor-treated PC12 cells. Figliomeni B, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):249–56

Modification of pulmonary metabolism of noradrenaline in experimental obstructive jaundice. Bomzon A, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3049–54

Kinetic study and intermediates identification of noradrenaline oxidation by tyrosinase. Jimenez M, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3689–97

Neurochemical properties of AHR-9377: a novel inhibitor of norepinephrine reuptake. Kinnier WJ, et al. **Biochem Pharmacol** 1984 Oct 1;33(19):3001–5

Endogenous noradrenaline masks beta-adrenergic receptors in rat heart membranes via tight agonist binding. Nerme V, et al. **Biochem Pharmacol** 1985 Aug 15;34(16):2917–22

Altered in vitro uptake of norepinephrine by cardiovascular tissues of young spontaneously hypertensive rats. Rho JH, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3906–9

Correlations between phospholipid methylation and neuronal catecholamine transport. Samet MK, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3547–51

A time-dependent biphasic effect of an acute ethanol injection on 3-methoxy 4-hydroxyphenylethylene glycol sulfate in rat brain. Smith BR, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1311–4

Effect of prazosin on the efflux of 3H-norepinephrine and metabolites from the intima and adventitia of the rabbit ear artery. Parker DA, et al. **Blood Vessels** 1985;22(2):74–83

Effect of low sodium diet on the facilitatory effect of angiotensin on 3H-norepinephrine release in the rat portal vein. Westfall TC, et al. **Blood Vessels** 1985;22(1):13–24

Effect of alpha-adrenoceptor antagonists (phentolamine, nicergoline and prazosin) on reperfusion arrhythmias and noradrenaline release in perfused rat heart. Bralet J, et al. **Br J Pharmacol** 1985 Jan;84(1):9–18

Ion dependence of the release of noradrenaline by tetraethylammonium and 4-aminopyridine from cat splenic slices. Ceña V, et al. **Br J Pharmacol** 1985 Feb; 84(2):299–308

Effect of the dihydropyridine Bay K 8644 on the release of [3H]-noradrenaline from the rat isolated vas deferens. Ceña V, et al. **Br J Pharmacol** 1985 Jul;85(3):691–6

The determination of presynaptic KA values of methacholine and pilocarpine and of a presynaptic receptor reserve in the rat perfused heart. Fuchs P, et al. **Br J Pharmacol** 1985 Jan;84(1):35–46

Affinity and efficacy of racemic, (+)-, and (-)-methacholine in muscarinic inhibition of [3H]-noradrenaline release. Fuder H, et al. **Br J Pharmacol** 1985 Feb;84(2):477–87

Alpha-adrenoceptor antagonists and the release of noradrenaline in rabbit cerebral cortex slices: support for the alpha-autoreceptor hypothesis. Heepe P, et al. **Br J Pharmacol** 1985 Jan;84(1):147–55

Interaction between the inhibitory action of acetylcholine and the alpha-adrenoceptor autoinhibitory feedback system on release of [3H]-noradrenaline from rat atria and rabbit ear artery. Loiacono RE, et al. **Br J Pharmacol** 1985 Mar; 84(3):697–705

Transmitter release modulated by alpha-adrenoceptor antagonists in the rabbit mesenteric artery: a comparison between noradrenaline outflow and electrical activity.

Mishima S, et al. **Br J Pharmacol** 1984 Oct;83(2):537-47

Specificity of capsaicin treatment in the cerebral vasculature. Duckles SP, et al. **Brain Res** 1984 Aug 6;308(1):141-4

The effects of ethanol on the efflux and release of norepinephrine and 5-hydroxytryptamine from slices of rat hypothalamus. Hyatt MC, et al. **Brain Res** 1985 Jul 1; 337(2):255-62

Accelerated regeneration of central catecholamine fibers in cat occipital cortex: effects of substance P. Nakai K, et al. **Brain Res** 1984 Dec 10;323(2):374-9

Increased brain norepinephrine metabolism correlated with analgesia produced by the periaqueductal gray injection of opiates. Reigle TG. **Brain Res** 1985 Jul 8;338(1):155-9

Brain tyrosine availability and the depression of central nervous norepinephrine turnover in acute and chronic starvation in adult male rats. Schweiger U, et al. **Brain Res** 1985 Jun 3;335(2):207-12

The noradrenergic innervation of vasopressin neurons in the paraventricular nucleus of the hypothalamus: an ultrastructural study using radioautography and immunocytochemistry. Silverman AJ, et al. **Brain Res** 1985 Jan 28;325(1-2):215-29

Chronic hyperprolactinemia causes progressive changes in hypothalamic dopaminergic and noradrenergic neurons. Simpkins JW, et al. **Brain Res** 1984 Sep 10;309(2):277-82

Dopamine increases potassium efflux in the rat parotid gland by stimulating noradrenaline release from sympathetic nerve endings. Sundström S, et al. **Brain Res** 1985 Jun 24; 337(1):155-8

Specific lysis by 6-hydroxydopamine of catecholaminergic synaptosomes prepared from rat cerebrum. Suzuki T, et al. **Brain Res** 1984 Nov 12;321(2):374-6

Pro-Leu-GlyNH2 affects dopamine and noradrenaline utilization in rat limbic-forebrain nuclei. van Heuven-Nolsen D, et al. **Brain Res** 1984 Nov 26; 322(2):213-8

Catecholaminergic activity of the baroreceptor areas of the brain in response to bilateral dorsolateral transection of medulla oblongata in rats. Zukowska-Grojec Z, et al. **Brain Res** 1985 Jan 28;325(1-2):231-40

Genetically related rats with differences in hippocampal uptake of norepinephrine and maze performance. Low WC, et al. **Brain Res Bull** 1984 Jun;12(6):703-9

Catecholamines and congenital pain insensitivity. Raw I, et al. **Braz J Med Biol Res** 1984;17(3-4):271-9

Ketamine: evidence of tissue specific inhibition of neuronal and extraneuronal catecholamine uptake processes. Lundy PM, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):298-303

Release of endogenous catecholamines in the ischemic myocardium of the rat. Part B: Effect of sympathetic nerve stimulation. Dart AM, et al. **Circ Res** 1984 Nov;55(5):702-6

Effects of angiotensin II and ACE inhibitors on electrically stimulated noradrenaline release from superfused rat brain slices. Schacht U. **Clin Exp Hypertens [A]** 1984; 6(10-11):1847-51

Vascular alpha-adrenoceptors in man: interactions with adrenaline and noradrenaline. van Brummelen P, et al. **Clin Sci** 1985;68 Suppl 10:151s-153s

Concurrent releases of norepinephrine and purines by potassium from adrenergic melanosome-aggregating nerve in tilapia. Kumazawa T, et al. **Comp Biochem Physiol [C]** 1984;78(2):263-6

Accumulation of intra-arterially administered [3H]adrenaline and [3H]noradrenaline in various tissues of the Atlantic cod, Gadus morhua. Ungell AL. **Comp Biochem Physiol [C]** 1985;81(1):25-8

Selective expression of high-affinity uptake of catecholamines by transiently catecholaminergic cells of the rat embryo: studies in vivo and in vitro. Jonakait GM, et al. **Dev Biol** 1985 Mar;108(1):6-17

Effects of 6-hydroxydopamine-induced catecholamine depletion on shock-precipitated wall climbing of infant rat pups. Emerich DF, et al. **Dev Psychobiol** 1985 May; 18(3):215-27

Strain differences in brain biogenic amines concentration in rats with different resistance to emotional stress. Sudakov KV, et al. **Endocrinol Exp (Bratisl)** 1985 Mar;19(1):39-45

Modulation of noradrenaline release in human saphenous vein via presynaptic alpha 2-adrenoceptors. Göthert M, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):261-7

Precipitated diazepam withdrawal elevates noradrenergic metabolism in primate brain. Grant SJ, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):127-32

Chronic clonidine induces functional down-regulation of presynaptic alpha 2-adrenoceptors regulating [3H]noradrenaline and [3H]5-hydroxytryptamine release in the rat brain. Maura G, et al. **Eur J Pharmacol** 1985 May 28;112(1):105-10

Tetrabenazine-induced depletion of brain monoamines: mechanism by which desmethylimipramine protects cortical norepinephrine. Pettibone DJ, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):431-6

Blockade by antidepressants and related compounds of biogenic amine uptake into rat brain synaptosomes: most antidepressants selectively block norepinephrine uptake. Richelson E, et al. **Eur J Pharmacol** 1984 Sep 17; 104(3-4):277-86

Presynaptic opiate receptor- and alpha 2-adrenoceptor-mediated inhibition of noradrenaline release in the rat brain: role of hyperpolarization? Schoffelmeer AN, et al. **Eur J Pharmacol** 1984 Oct 1; 105(1-2):129-35

Inhibition of synaptosomal [3H]noradrenaline uptake by beta-adrenoceptor blocking drugs: influence of lipophilicity. Street JA, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):315-24

Effect of a new eburnamine derivative, RU 24722, on the turnover of monoamines in mouse brain: selective and reversible decrease of noradrenaline. Takeda N, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):357-62

Effect of [D-Ala2,Met5]enkephalinamide and [D-Ala2,D-Leu5]enkephalin on cholinergic and noradrenergic neurotransmission in isolated atria. Wong-Dusting HK, et al. **Eur J Pharmacol** 1985 Apr 23; 111(1):65-72

Sex-specific effects of estradiol on hypothalamic noradrenaline turnover in gonadectomized rats. Hiemke C, et al. **Exp Brain Res** 1985;59(1):68-72

Secretion of catecholamines, ascorbic acid, progesterone and corticosterone by in-vitro superfusion from the adrenal of the Mongolian gerbil (Meriones Unguiculatus): effects of confinement stress. Fenske M. **Exp Clin Endocrinol** 1984 Oct;84(2):174-82

Evidence for an activating effect of tabernanthine on rat brain catecholamine synthesis and elimination. Prioux-Guyonneau M, et al. **Experientia** 1984 Dec 15; 40(12):1388-9

Effect of mycotoxin (T-2 toxin) on catecholamine and Na+, K+-ATPase levels in rat epididymis. Singh US, et al. **Experientia** 1985 Mar 15;41(3):363-4

Indirect adrenergic effect of histamine in cat right atrium. Balfagón G, et al. **Gen Pharmacol** 1985;16(2):109-14

Effect of tetraethylammonium and verapamil on noradrenaline release induced by field electrical stimulation and potassium from cat cerebral and femoral arteries. Marín J, et al. **Gen Pharmacol** 1985;16(3):247-51

Splanchnic and renal elimination and release of catecholamines in cirrhosis. Evidence of enhanced sympathetic nervous activity in patients with decompensated cirrhosis. Henriksen JH, et al. **Gut** 1984 Oct;25(10):1034-43

Fluorescence histochemical study on the noradrenergic control to the anterior column of the spinal lumbosacral segments of the rat and dog, with special reference to motoneurons innervating the perineal striated muscles (Onuf's nucleus). Kojima M, et al. **Histochemistry** 1984; 81(3):237-41

Chronic angiotensin II infusion decreases renal norepinephrine overflow in conscious dogs. Carroll RG, et al. **Hypertension** 1984 Sep-Oct;6(5):675-81

Effect of carbaryl on catecholamines in brain regions. Ray SK, et al. **Indian J Exp Biol** 1984 Mar;22(3):141-4

Compartmental analysis of the efflux of l-[3H]norepinephrine from isolated perfused rat lungs. Metting PJ, et al. **J Appl Physiol** 1985 Jan;58(1):244-50

Epinephrine, norepinephrine, and dopamine during a 4-day head-down bed rest. Pequignot JM, et al. **J Appl Physiol** 1985 Jan;58(1):157-63

Cardiovascular effects of intracisternal 6-hydroxydopamine and of subsequent lesions of the ventrolateral medulla coinciding with the Al group of noradrenaline cells in the rabbit. Elliott JM, et al. **J Auton Nerv Syst** 1985 Feb-Mar; 12(2-3):117-30

Characterization of vinblastine-induced supersensitivity in the rat. Dixit BN, et al. **J Auton Pharmacol** 1985 Mar; 5(1):31-9

Reserpic acid as an inhibitor of norepinephrine transport into chromaffin vesicle ghosts. Chaplin L, et al. **J Biol Chem** 1985 Sep 15;260(20):10981-5

Local release of myocardial norepinephrine during acute ischemia: an experimental study in the isolated perfused rat heart. Carlsson L, et al. **J Cardiovasc Pharmacol** 1985 Jul-Aug;7(4):791-8

Inhibitory effect of calcium antagonists on the depletion of cardiac norepinephrine during postischemic reperfusion. Nayler WG, et al. **J Cardiovasc Pharmacol** 1985 May-Jun; 7(3):581-7

Rapid changes in synaptic vesicle cytochemistry after depolarization of cultured cholinergic sympathetic neurons. Johnson MI, et al. **J Cell Biol** 1985 Jul;101(1):217-26

Measurement of regional neuronal removal of norepinephrine in man. Goldstein DS, et al. **J Clin Invest** 1985 Jul; 76(1):15-21

Antioestrogen inhibition of oestradiol-induced alterations in hypothalamic noradrenaline turnover. Hiemke C, et al. **J Endocrinol** 1985 Jul;106(1):37-42

The measurement of central noradrenergic activity in spontaneously hypertensive rats: a comparison of free 3,4-dihydroxyphenylethyleneglycol levels with FLA-63 induced noradrenaline depletion. Howes LG, et al. **J Hypertens** 1985 Jun;3(3):237-42

Differential stimulation of synaptosomal norepinephrine uptake by high salt diet in Dahl rats. Rho JH, et al. **J Hypertens** 1984 Oct;2(5):461-5

Cardiac norepinephrine and intrinsic properties of isolated hypertrophied hearts from DOCA hypertensive rats. Heller LJ, et al. **J Mol Cell Cardiol** 1984 Nov;16(11):987-93

Selec[illegible]eurotoxic lesions of descending serotonergic and nor[illegible]ergic pathways in the rat. Berge OG, et al. **J [illegible]rochem** 1985 Apr;44(4):1156-61

Metabolism of catecholamines in the developing spinal cord of the rat. Commissiong JW. **J Neurochem** 1985 Apr; 44(4):1060-8

Neurochemical and histochemical characterization of neurotoxic effects of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine on brain catecholamine neurones in the mouse. Hallman H, et al. **J Neurochem** 1985 Jan;44(1):117-27

Effects of monovalent ions on the transport of noradrenaline across the plasma membrane of neuronal cells (PC-12 cells). Harder R, et al. **J Neurochem** 1985 Oct;45(4):1154-62

Neurochemical profile of Lu 19-005, a potent inhibitor of uptake of dopamine, noradrenaline, and serotonin. Hyttel J, et al. **J Neurochem** 1985 May;44(5):1615-22

Release of purines, noradrenaline, and GABA from rat hippocampal slices by field stimulation. Jonzon B, et al. **J Neurochem** 1985 Jan;44(1):217-24

Formation and clearance of norepinephrine glycol metabolites in mouse brain. Li PP, et al. **J Neurochem** 1984 Nov;43(5):1425-33

Norepinephrine turnover in the hypothalamus of adult male rats: alteration of circadian patterns by semistarvation. Schweiger U, et al. **J Neurochem** 1985 Sep;45(3):706-9

Association of serotonin, dopamine, or noradrenaline with an actin-like component in pheochromocytoma (PC12) cells. Small DH, et al. **J Neurochem** 1985 Sep;45(3):825-31

Effects of insulin and streptozotocin-induced diabetes on brain norepinephrine metabolism in rats. Trulson ME, et al. **J Neurochem** 1985 Jun;44(6):1873-6

Assessment of noradrenaline and 5-hydroxytryptamine uptake in intact rat brain. Wyllie MG, et al. **J Neurochem** 1985 Aug;45(2):456-60

DSP-4 (N-(2-chloroethyl)-N-ethyl-2-bromobenzylamine) depletes noradrenaline in kitten visual cortex without altering the effects of monocular deprivation. Daw NW, et al. **J Neurosci** 1985 Jul;5(7):1925-33

Evidence for differential localization of noradrenaline and neuropeptide Y in neuronal storage vesicles isolated from rat vas deferens. Fried G, et al. **J Neurosci** 1985 Feb; 5(2):450-8

Depletion of norepinephrine, but not serotonin, reduces long-term potentiation in the dentate gyrus of rat hippocampal slices. Stanton PK, et al. **J Neurosci** 1985 Aug; 5(8):2169-76

Ouabain-evoked norepinephrine release from intact rat sympathetic neurons: evidence for carrier-mediated release. Sweadner KJ. **J Neurosci** 1985 Sep;5(9):2397-406

Rapid recovery of pineal function after partial denervation: a possible role for heteroneuronal uptake of transmitter in modulating synaptic efficacy. Zigmond RE, et al. **J Neurosci** 1985 Jan;5(1):142-50

A technique for the microinjection of macromolecules into viable chromaffin cells in culture. Kenigsberg RL, et al. **J Neurosci Methods** 1985 Apr;13(2):103-18

Effect of uptake-one inhibitors on the uptake of norepinephrine and metaiodobenzylguanidine. Tobes MC, et al. **J Nucl Med** 1985 Aug;26(8):897-907

Effects of diet on norepinephrine turnover in obese (ob/ob) mice. Knehans AW, et al. **J Nutr** 1984 Nov;114(11):2080-8

Norzimelidine, a metabolite of a highly selective 5-hydroxytryptamine uptake inhibitor, can inhibit the uptake of noradrenaline in-vivo. Pawlowski L, et al. **J Pharm Pharmacol** 1984 Dec;36(12):855-8

Cyclazocine and norepinephrine uptake, metabolism, and turnover in the rat brain. Russi GD. **J Pharm Sci** 1985 Jan;74(1):97-9

Mechanism and metabolic disposition of verapamil-evoked overflow of radioactivity from isolated atria preloaded with [3H]norepinephrine. Chaudhry A, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):850-6

Differential effects of xylamine on extracellular concentrations of norepinephrine and dopamine in rat central nervous system: an in vivo electrochemical study. Howard-Butcher S, et al. **J Pharmacol Exp Ther** 1985 Apr; 233(1):58-63

Dual effect of ouabain on the palytoxin-induced contraction and norepinephrine release in the guinea-pig vas deferens. Ishida Y, et al. **J Pharmacol Exp Ther** 1985 Feb; 232(2):551-6

The neurotoxic compound N-(2-chloroethyl)-N-ethyl-2-bromobenzylamine hydrochloride (DSP4) depletes endogenous norepinephrine and enhances release of [3H]norepinephrine from rat cortical slices. Landa ME, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):131-6

Involvement of epinephrine in the presynaptic beta adrenoceptor mechanism of norepinephrine release from rat hypothalamic slices. Ueda H, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):507-12

The effect of estrogen on monoamine systems in the fetal rat brain. Kaylor WM Jr, et al. **J Reprod Med** 1984 Jul; 29(7):489-92

Effects of yohimbine on endogenous noradrenaline release from hypothalamus and brainstem slices of spontaneously hypertensive rats. Kubo T, et al. **Jpn J Pharmacol** 1984 Nov;36(3):416-8

Effects of Ca antagonists on the norepinephrine release and contractile responses of isolated canine saphenous veins to high KCl. Takata Y, et al. **Jpn J Pharmacol** 1985 Apr; 37(4):381-94

Methionine-enkephalin inhibits stress-induced increases in noradrenaline turnover in brain regions of rats. Tanaka M, et al. **Jpn J Pharmacol** 1985 Jan;37(1):117-9

Day:night variations of melatonin, 5-hydroxyindole acetic acid, serotonin, serotonin N-acetyltransferase, tryptophan, norepinephrine and dopamine in the rabbit pineal gland.

EWARK PUBLIC LIBRAR

Brainard GC, et al. **Life Sci** 1984 Oct 8;35(15):1615–22

Central and peripheral catecholamine depletion by 1-methyl-4-phenyl-tetrahydropyridine (MPTP) in rodents. Fuller RW, et al. **Life Sci** 1985 Jan 21;36(3):243–7

Abnormalities in plasma catecholamine response and tissue catecholamine accumulation in streptozotocin diabetic rats: a possible role for diabetic autonomic neuropathy. Fushimi H, et al. **Life Sci** 1984 Sep 3;35(10):1077–81

Effects of estradiol on the basal and evoked efflux of norepinephrine and 5-hydroxytryptamine from slices of rat hypothalamus. Hyatt MC, et al. **Life Sci** 1984 Nov 26; 35(22):2269–74

Plasma dihydroxyphenylglycol (DHPG) in the in vivo assessment of human neuronal norepinephrine metabolism. Izzo JL Jr, et al. **Life Sci** 1985 Sep 16;37(11):1033–8

Cardiac norepinephrine releasing action of kynuramine, an endogenous diamine derived from L-tryptophan. Johnson TD, et al. **Life Sci** 1984 Dec 3;35(23):2303–10

Adenosine receptor mediated inhibition of noradrenaline release from slices of the rat hippocampus. Jonzon B, et al. **Life Sci** 1984 Nov 5;35(19):1971–9

Differential effects of DSP-4 administration on regional brain norepinephrine turnover in rats. Logue MP, et al. **Life Sci** 1985 Aug 5;37(5):403–9

Morphine decreases 3H-norepinephrine release and increases endogenous norepinephrine levels in the isolated cat superior cervical ganglion. Martínez AE, et al. **Life Sci** 1985 Apr 29;36(17):1679–85

Inhibition of the autoxidation of ascorbate and norepinephrine by extracts of Clostridium butyricum, Megasphaera elsdenii and Escherichia coli. Mishra OP, et al. **Life Sci** 1984 Aug 20;35(8):849–54

Dopamine and norepinephrine in the alimentary tract changes after chemical sympathectomy and surgical vagotomy. Orloff LA, et al. **Life Sci** 1985 Apr 29;36(17):1625–31

Effect of prazosin and yohimbine on systolic blood pressure and on renal norepinephrine content in DOCA-salt rats. Sánchez A, et al. **Life Sci** 1985 Apr 22;36(16):1589–95

Dopamine-beta-hydroxylase inhibition acutely stimulates rats hypothalamic noradrenaline and dopamine neuronal activity as assessed from metabolic ratios and circulating glucose and ACTH responses. Smythe GA, et al. **Life Sci** 1985 Sep 2;37(9):841–7

Reduced norepinephrine turnover in brown adipose tissue of pre-obese mice treated with monosodium-L-glutamate. Yoshida T, et al. **Life Sci** 1985 Mar 11;36(10):931–8

Norepinephrine kinetics during insulin-induced hypoglycemia. Hilsted J, et al. **Metabolism** 1985 Mar; 34(3):300–2

Reduced norepinephrine turnover in mice with monosodium glutamate-induced obesity. Yoshida T, et al. **Metabolism** 1984 Nov;33(11):1060–3

Comparison of the sodium dependency of uptake of meta-Iodobenzylguanidine and norepinephrine into cultured bovine adrenomedullary cells. Jaques S Jr, et al. **Mol Pharmacol** 1984 Nov;26(3):539–46

Effects of corticoadrenal extract on the neuronal and extraneuronal uptake of noradrenaline in the isolated rabbit heart. Pham Huu Chanh, et al. **Naturwissenschaften** 1985 Feb;72(2):94–5

Very rapid turnover of dopamine in noradrenaline cell body regions. Andén NE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):258–63

Acceleration of cerebral noradrenaline turnover after morphine withdrawal and its retardation by acute morphine administration in rats. Attila LM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(3):193–200

The transport of (+)-amphetamine by the neuronal noradrenaline carrier. Bönisch H. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):267–72

Effects of clorgyline and (-)deprenyl on the deamination of normetanephrine and noradrenaline in strips and homogenates of the canine saphenous vein. Caramona MM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):396–400

Ca2+ dependence of the release of noradrenaline during nerve degeneration in the parotid gland. del Baldo D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov; 328(1):41–3

Influence of neuronal uptake on the presynaptic alpha-adrenergic modulation of noradrenaline release. Enero MA. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):38–40

Role of cAMP for regulation of impulse-evoked noradrenaline release from the rabbit pulmonary artery and its possible relationship to presynaptic ACTH receptors. Göthert M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):127–34

Kinetics of the efflux of 3H-norepinephrine from rabbit irides. Kim MY, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):142–7

Effects of 6-hydroxydopamine on dopamine and noradrenaline content in dog blood vessels and heart. Evidence for a noradrenaline-independent dopamine pool. Soares-da-Silva P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):253–7

Saturation of monoamine oxidase by intraneuronal noradrenaline accumulation. Stefano FJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):135–41

The outward transport of axoplasmic noradrenaline induced by a rise of the sodium concentration in the adrenergic nerve endings of the rat vas deferens. Stute N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(2):124–32

Cardiac glycosides, calcium and the release of neurotransmitter from peripheral noradrenergic nerves. Tan CM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar;329(1):1–8

The influence of inhibition of catechol-O-methyl transferase or of monoamine oxidase on the extraneuronal metabolism of 3H-(-)-noradrenaline in the rat heart. Trendelenburg U. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):285–92

Impact of age-related changes in serotonin and norepinephrine metabolism on reproductive function in female rats: an analytical review. Walker RF. **Neurobiol Aging** 1984 Summer;5(2):121–55 (182 ref.)

Monovalent cation dependency for the inhibition of outward transport of [3H]norepinephrine. Bogdanski DF. **Neuropharmacology** 1985 Jan;24(1):13–8

The actions of barbiturates on release of noradrenaline from rat hippocampal synaptosomes. Fung SC, et al. **Neuropharmacology** 1984 Sep;23(9):1113–6

Selective depletion of norepinephrine in brain by N-2-chloroethyl-N-ethyl-2-bromobenzylamine fails to alter the voluntary consumption of ethanol in rats. Gill K, et al. **Neuropharmacology** 1984 Dec;23(12A):1379–83

Identification of mechanisms involved in the modulation of release of noradrenaline in the hippocampus of the rabbit in vitro. Jackisch R, et al. **Neuropharmacology** 1984 Dec; 23(12A):1363–71

Adenosine: an endogenous modulator of hippocampal noradrenaline release. Jackisch R, et al. **Neuropharmacology** 1985 Jun;24(6):499–507

Haloperidol in large doses reduces the cataleptic response and increases noradrenaline metabolism in the brain of the rat. Toru M, et al. **Neuropharmacology** 1985 Mar; 24(3):231–6

Oxytocin affects utilization of noradrenaline in distinct limbic-forebrain regions of the rat brain. van Heuven-Nolsen D, et al. **Neuropharmacology** 1984 Dec; 23(12A):1373–7

Ultrastructural analysis of the noradrenergic innervation of rat supraoptic nucleus. Alonso G, et al. **Neurosci Lett** 1984 Aug 24;49(1–2):45–50

Evidence for the existence of putative dopamine-, adrenaline- and noradrenaline-containing vagal motor neurons in the brainstem of the rat. Kalia M, et al. **Neurosci Lett** 1984 Sep 7;50(1–3):57–62

Stabilization of ascorbic acid and norepinephrine in vitro by the subcellular fractions of rat cerebral cortex. Kovachich GB, et al. **Neurosci Lett** 1984 Nov 23;52(1–2):153–8

Modulation of noradrenaline uptake and release by taurine in rat cerebral slices. Kontro P, et al. **Neuroscience** 1984 Nov;13(3):663–6

Quantitative assessment of ocular norepinephrine concentration in the rabbit using liquid chromatography with electrochemical detection. Gherezghiher T, et al. **Ophthalmic Res** 1985;17(2):65–71

Effects of hypoxia on norepinephrine uptake by developing rabbit lung. Gewitz MH, et al. **Pediatr Pharmacol (New York)** 1984;4(2):109–13

Development of the catecholamine innervation of the supraoptic nucleus in the Brattleboro rat. Sladek JR Jr, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:151–5

Human class I alcohol dehydrogenases catalyze the oxidation of glycols in the metabolism of norepinephrine. Mårdh G, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):4979–82

Effects of phorbol ester on catecholamine secretion and protein phosphorylation in adrenal medullary cell cultures. Pocotte SL, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):930–4

Reduced sympathetic neuronal uptake (uptake1) in a genetic model of desoxycorticosterone-NaCl hypertension. Krakoff LR, et al. **Proc Soc Exp Biol Med** 1985 Feb; 178(2):240–5

The efflux from and the metabolism of 3H-norepinephrine in sow Graafian follicles. Variable involvement of some prostaglandins during two different stages of the sex cycle. Fernandez-Pardal J, et al. **Prostaglandins Leukotrienes Med** 1985 Jul;19(1):1–10

Altered norepinephrine metabolism following long-term weight recovery in patients with anorexia nervosa. Kaye WH, et al. **Psychiatry Res** 1985 Apr;14(4):333–42

Noradrenergic function and the cortisol response to dexamethasone in depression. Rubin AL, et al. **Psychiatry Res** 1985 May;15(1):5–15

Disturbances of norepinephrine metabolism and alpha-2 adrenergic receptor activity in anorexia nervosa: relationship to nutritional state. Kaye WH, et al. **Psychopharmacol Bull** 1985;21(3):419–23

CSF, plasma, and urine: what do concomitant measurements of norepinephrine and its metabolites mean? Linnoila M, et al. **Psychopharmacol Bull** 1985;21(3):389–95

Chronic and acute administration of typical and atypical antidepressants on activity of brain noradrenaline systems in the rat thiopentone anaesthesia model. Mason ST, et al. **Psychopharmacology (Berlin)** 1984;84(3):304–9

Ro 11-2465 (cyan-imipramine), citalopram and their N-desmethyl metabolites: effects on the uptake of 5-hydroxytryptamine and noradrenaline in vivo and related pharmacological activities. Pawlowski L, et al. **Psychopharmacology (Berlin)** 1985;86(1–2):156–63

Effects of antidepressants on the uptake and release of norepinephrine from rat cerebral cortex. Rubinstein-Kawamoto J, et al. **Psychopharmacology (Berlin)** 1984;84(2):155–7

Activity wheel stress: changes in brain norepinephrine turnover and the occurrence of gastric lesions. Rea MA, et al. **Psychother Psychosom** 1984;42(1–4):218–23

Spontaneous [3H]noradrenaline release from the main pulmonary artery of the rabbit induced by sodium-pump inhibition. Török TL, et al. **Q J Exp Physiol** 1984 Oct; 69(4):841–65

Myocardial catecholamines following cold cardioplegic arrest during open-heart surgery. Kyösola KT, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(3):209–15

Effect of chlordecone (Kepone) on the rat brain concentration of 3-methoxy-4-hydroxyphenylglycol: evidence for a possible involvement of the norepinephrine system in chlordecone-induced tremor. Chen PH, et al. **Toxicol Appl Pharmacol** 1985 Jan;77(1):158–64

[The sympathetic nervous system and hypertension—metabolites of norepinephrine, 3-methoxy-4-hydroxyphenylglycol sulfate and normetanephrine] Xie SW. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep; 12(3):180–3, 238 (Eng. Abstr.) **(Chi)**

[Study of the metabolism of cerebral noradrenaline in depressed patients by the assay of plasma dihydroxyphenylethylene glycol] Loo H, et al. **Presse Med** 1985 Jun 22;14(25):1363–6 (Eng. Abstr.) **(Fre)**

[Effects of continuous pure tone stimulation on blood pressure, plasma norepinephrine and urinary norepinephrine concentration in stroke-prone spontaneously hypertensive rats] Saito I, et al. **Hokkaido Igaku Zasshi** 1984 Nov;59(6):690–5 (Eng. Abstr.) **(Jpn)**

[Changes of neurotransmitter, lipid peroxide and their metabolic related enzyme activities in the brain of rats exposed to noise and vitamin E] Sakuma N. **Hokkaido Igaku Zasshi** 1984 Sep;59(5):549–85 (Eng. Abstr.) **(Jpn)**

[Action mechanism of angiotensin II on norepinephrine release] Furukawa A, et al. **Kokyu To Junkan** 1984 Nov; 32(11):1131–4 **(Jpn)**

[Neurotic mechanism of decreasing norepinephrine and glycogen in dog myocardium after the coronary artery ligation] Sakai K, et al. **Kokyu To Junkan** 1984 Nov; 32(11):1111–4 **(Jpn)**

[Catecholamine receptors and antagonists: b. Presynaptic receptors] Tsuda K, et al. **Nippon Rinsho** 1985 May; 43(5):935–42 (40 ref.) **(Jpn)**

[Significance of the adrenal medulla and brain catecholamine in perinatal period: their developmental changes and responses to hypoxia in fetal rats] Kishimoto Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Apr; 37(4):619–28 (Eng. Abstr.) **(Jpn)**

[Effect of various factors on catecholamine levels in the body] Orgacka H, et al. **Postepy Hig Med Dosw** 1983 Sep–Dec;37(5–6):483–504 (119 ref.) (Eng. Abstr.) **(Pol)**

[Physiopathological bases of therapy influencing noradrenergic transmission in ischemic cerebral accidents] Stoica E. **Rev Med Interna [Neurol Psihiatr]** 1984 Apr–Jun; 29(2):111–9 (51 ref.) **(Rum)**

[Topography of the active site of the noradrenaline neuronal membrane carrier based on the theoretical conformation analysis of inhibitors of neuronal catecholamine uptake] Zhorov BS. **Bioorg Khim** 1983 Feb;9(2):200–15 (Eng. Abstr.) **(Rus)**

[Effect of hypokinesia and muscle training on catecholamine levels of the myocardium of rats in postnatal ontogeny] Abzalov RA. **Biull Eksp Biol Med** 1985 Apr;99(4):394–7 (Eng. Abstr.) **(Rus)**

[Effect of leu-enkephalin and the delta-sleep-inducing peptide, M (DSIP), on endogenous noradrenaline release by brain synaptosomes in the rat] Rozhanets VV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):199–201 (Eng. Abstr.) **(Rus)**

[Catecholamine content of the rat brain at different stages of experimental alcoholism] Varkov AI, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):316–7 (Eng. Abstr.) **(Rus)**

[Neuronal uptake of 3H-noradrenaline by isolated organs of rats under hyperthermia] Mezidova KhA, et al. **Dokl Akad Nauk SSSR** 1984;277(6):1502–4 **(Rus)**

[Effect of bromocryptin on the alcohol consumption and catecholamine level in the brain of rats undergoing long-term alcoholization] Stanishevskaia AV, et al. **Farmakol Toksikol** 1985 May–Jun;48(3):88–91 (Eng. Abstr.) **(Rus)**

[Action of adrenergic substances on the healing of experimental neurogenic mucosal damages and on the noradrenaline level in the stomach wall] Zabrodin ON. **Farmakol Toksikol** 1984 Jul–Aug;47(4):41–4 (Eng. Abstr.) **(Rus)**

[Effect of the long-term fractional effect of constant high-energy magnetic fields on adrenal medulla activity]

Kokoreva LV. **Kosm Biol Aviakosm Med** 1984 Nov–Dec; 18(6):86–7 **(Rus)**

[Effect of hypothermia on reuptake of neuromediators by synaptosomes] Babilchuk GA, et al. **Ukr Biokhim Zh** 1985 Mar–Apr;57(2):87–9 (Eng. Abstr.) **(Rus)**

[Catecholamine content of the skin in patients with psoriasis] Mushet GV. **Vestn Dermatol Venerol** 1985 Mar;(3):54–5 (Eng. Abstr.) **(Rus)**

[Changes in the metabolism of catecholamines in the central and peripheral nervous systems of rats 7, 15 and 30 days after termino-lateral portacaval anastomosis] López Sánchez ML, et al. **Rev Esp Enferm Apar Dig** 1984 Dec; 66(6):465–72 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

The vasopressin response to microinjections of norepinephrine into the brain of the conscious pig. Forsling ML, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):330–4

Effect of angiotensin II, catecholamines and glucocorticoid on corticotropin releasing factor (CRF)–induced ACTH release in pituitary cell cultures. Murakami K, et al. **Acta Med Okayama** 1984 Aug;38(4):349–55

Atropine–sensitive, tetrodotoxin–resistant contraction induced by noradrenaline in isolated cat rectum. Neya T, et al. **Acta Med Okayama** 1985 Feb;39(1):53–7

A comparison of lithium effects on human brain and rat brain noradrenaline–sensitive adenylate cyclase. Klein E, et al. **Acta Pharmacol Toxicol (Copenh)** 1985;56 Suppl 1:15–20

Alpha- and beta-adrenergic receptor blockers and the effects of noradrenaline on heat production and body temperature. Komáromi I. **Acta Physiol Hung** 1985;65(2):155–67

Effect of noradrenaline on rest–dependent and excitation–dependent exchange of calcium in the ventricular muscle of guinea–pig heart. Pytkowski B. **Acta Physiol Pol** 1983 Sep–Dec;34(5–6):493–9

Central hemodynamic effects of adrenaline with special reference to beta 2–adrenergic influence on heart rate and cardiac afterload in anesthetized cats. Gustafsson D, et al. **Acta Physiol Scand** 1984 Dec;122(4):553–64

Influence of extracellular calcium and nifedipine on alpha 1- and alpha 2–adrenoceptor–mediated contractile responses in isolated rat and cat cerebral and mesenteric arteries. Skärby T, et al. **Acta Physiol Scand** 1985 Apr; 123(4):445–56

Effects of noradrenaline on the sodium pump of guinea pig ventricle. Wanless RB, et al. **Adv Myocardiol** 1985;6:97–104

Responsiveness of the rat vas deferens to catecholamines and electrical stimulation during an infection with Trypanosoma brucei. Adeboye OO, et al. **Afr J Med Med Sci** 1984 Sep–Dec;13(3–4):135–8

Effect of norepinephrine on inhibition of mouse brain (Na+ + K+)–stimulated, (Mg++)–dependent, and (Ca++)–dependent ATPase activities by ethanol. Syapin PJ, et al. **Alcohol** 1985 Jan–Feb;2(1):145–8

Norepinephrine in cochlear microcirculation of guinea pigs. Matsunaga T, et al. **Am J Otolaryngol** 1985 May–Jun; 6(3):226–30

Serotonin, histamine, and norepinephrine mediation of endothelial and vascular smooth muscle cell movement. Bottaro D, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C252–7

Enhanced adrenergic sensitivity of the diabetic neonatal heart. Downing SE, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H125–31

Differential effect of vasopressin on angiotensin and norepinephrine pressor action in rats. Elijovich F, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H973–7

Norepinephrine on venous compliance and unstressed volume in cat liver. Greenway CV, et al. **Am J Physiol** 1985 Apr; 248(4 Pt 2):H468–76

Stimulatory effect of norepinephrine on ketogenesis in normal and insulin–deficient humans. Keller U, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E732–9

Reduced vascular sensitivity to norepinephrine in portal–hypertensive rats. Kiel JW, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):G192–5

Direct action of norepinephrine on aortic baroreceptors of rat adventitia. Kunze DL, et al. **Am J Physiol** 1984 Nov; 247(5 Pt 2):H811–6

Norepinephrine–induced phasic activity in tail arteries from genetically hypertensive rats. Myers JH, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):H419–23

Sympathetic effects on spontaneous activity in bovine mesenteric lymphatics. Ohhashi T, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):H610–5

Bioassay of endothelium–derived relaxing factor(s): inactivation by catecholamines. Rubanyi GM, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H95–101

Effect of phosphate depletion on blood pressure and vascular reactivity to norepinephrine and angiotensin II in the rat. Saglikes Y, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):F93–9

Effect of norepinephrine on gluconeogenesis in perfused livers of cold–exposed rats. Shiota M, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E281–6

Chronic norepinephrine infusion and adrenergic function of hypertrophied hearts. Siri FM. **Am J Physiol** 1985 Apr; 248(4 Pt 2):H485–92

Norepinephrine–induced beta 1–adrenergic peripheral vasodilation in conscious dogs. Vatner SF, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H49–56

Contractile responses to histamine of isolated pulmonary artery strips from healthy and heartworm–infected dogs. O'Malley NA, et al. **Am J Vet Res** 1985 Jul;46(7):1463–7

Adrenergic vasoconstriction in peripheral nerves of the rabbit. Selander D, et al. **Anesthesiology** 1985 Jan;62(1):6–10

The modulation of acetylcholine release by noradrenaline, GABA and related compounds. Beani L, et al. **Ann Ist Super Sanita** 1984;20(1):17–9

Alpha–adrenoceptor stimulation enhances automaticity in barium–treated cardiac Purkinje fibers. Amerini S, et al. **Arch Int Pharmacodyn Ther** 1984 Jul;270(1):97–105

Lack of an effect of drugs acting at histamine receptors on norepinephrine–induced relaxation of porcine coronary arteries. Horst MA, et al. **Arch Int Pharmacodyn Ther** 1984 Dec;272(2):277–82

Effect of calcium–entry blockers and divalent cations on noradrenaline–induced contractions of the rat anococcygeus muscle. Oriowo MA. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):45–52

Excitatory effects of dibutyryl cyclic AMP, noradrenaline and theophylline on 45Ca uptake by synaptosomes from rat brain. Ribeiro JA, et al. **Arch Int Pharmacodyn Ther** 1984 Aug;270(2):215–31

Effect of norepinephrine and vasopressin on renal kallikrein excretion in rats. Martínez Seeber A, et al. **Arch Int Physiol Biochim** 1985 Jun;93(2):83–8

Scanning electron microscopy of nasal arterioles effected by vasoactive agents. Nagai M, et al. **Arch Otorhinolaryngol** 1984;241(1):45–9

Effects of 1–[2–ethoxy–2–(3'–pyridyl)ethyl]–4–(2'–methoxyphenyl)pi (IP–66), prazosin, yohimbine and dihydroergotoxine mesylate on the vasoconstriction of rat mesenteric artery induced by electric stimulation and exogenous norepinephrine. Castellucci A. **Arzneimittelforsch** 1985; 35(1):107–11

Effects of magnesium and catecholamines on spontaneous contraction of pregnant human isthmic myometrium. Kawarabayashi T, et al. **Asia Oceania J Obstet Gynaecol** 1984 Sep;10(3):375–84

Role of endothelium in vascular responses to norepinephrine, serotonin and acetylcholine. Angus JA, et al. **Bibl Cardiol** 1984;(38):43–52

Prejunctional effects of catecholamines. Majewski H, et al. **Bibl Cardiol** 1984;(38):53–9 (28 ref.)

Carbachol causes rapid phosphodiesteratic cleavage of phosphatidylinositol 4,5–bisphosphate and accumulation of inositol phosphates in rabbit iris smooth muscle; prazosin inhibits noradrenaline- and ionophore A23187–stimulated accumulation of inositol phosphates. Akhtar RA, et al. **Biochem J** 1984 Nov 15;224(1):291–300

Evidence that noradrenaline increases pyruvate dehydrogenase activity and decreases acetyl–CoA carboxylase activity in rat interscapular brown adipose tissue in vivo. Gibbins JM, et al. **Biochem J** 1985 Jun 15; 228(3):751–5

Reversible inactivation by noradrenaline of long–chain fatty acyl–CoA synthetase in rat adipocytes. Hall M, et al. **Biochem J** 1985 Feb 15;226(1):275–82

A kinetic study of glycerophosphate acyltransferase of rat adipocytes in relation to its control by noradrenaline. Lederer B, et al. **Biochem J** 1985 Feb 15;226(1):269–74

Studies on the mechanism of inhibition of glucose–stimulated insulin secretion by noradrenaline in rat islets of Langerhans. Morgan NG, et al. **Biochem J** 1985 Mar 1; 226(2):571–6

Effect of epinephrine and norepinephrine on immuno–reactive insulin secretion from isolated islets of Langerhans. Mukherjee B, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):985–7

Beta–adrenergic coupled phospholipid methylation. A possible role in withdrawal from chronic ethanol. Zawad JS, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3799–805

Effect of thyroid hormone on intracellular Ca2+ mobilization by noradrenaline and vasopressin in relation to glycogenolysis in rat liver. Storm H, et al. **Biochim Biophys Acta** 1985 Aug 30;846(2):275–85

Effects of cyclooxygenase inhibitors and PGI2 on the adrenergic contractions of isolated rabbit arteries. Malomvölgyi B, et al. **Biomed Biochim Acta** 1984; 43(8–9):S277–80

Effects of 3,4–diaminopyridine and tetraethylammonium on the pre- and post-junctional alpha–adrenoceptor mediated inhibitory actions of noradrenaline in the guinea–pig ileum. Bauer V. **Br J Pharmacol** 1985 May;85(1):171–7

Comparison of the antagonistic effects of phentolamine on vasoconstrictor responses to exogenous and neurally released noradrenaline in vivo. Bell C. **Br J Pharmacol** 1985 May;85(1):249–53

Comparison of the biphasic excitatory junction potential with membrane responses to adenosine triphosphate and noradrenaline in the rat anococcygeus muscle. Byrne NG, et al. **Br J Pharmacol** 1984 Nov;83(3):751–8

An electrophysiological study of alpha–adrenoceptor mediated excitation–contraction coupling in the smooth muscle cells of the rat saphenous vein. Cheung DW. **Br J Pharmacol** 1985 Jan;84(1):265–71

Effects of reduced calcium ion concentration and of diltiazem on vasoconstrictor responses to noradrenaline and sympathetic nerve stimulation in rat isolated tail artery. Medgett IC, et al. **Br J Pharmacol** 1984 Dec;83(4):889–98

Noradrenaline: a circulating inhibitor of sodium transport [letter] Baron DN, et al. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):151–2

Hyperpolarizing and age–dependent depolarizing responses of cultured locus coeruleus neurons to noradrenaline. Finlayson PG, et al. **Brain Res** 1984 Aug;317(2):167–75

Desensitization of beta–receptors on primary astrocyte cultures by norepinephrine but not by tricyclic antidepressants. Frangakis MV, et al. **Brain Res** 1985 Jul 22;339(1):49–56

Monoaminergic modulation of the sensitivity of neurones in the cingulate cortex to iontophoretically applied substance P. Jones RS, et al. **Brain Res** 1984 Oct 8;311(2):297–305

Antinociceptive effects of intrathecal opioids, noradrenaline and serotonin in rats: mechanical and thermal algesic tests. Kuraishi Y, et al. **Brain Res** 1985 Feb 4;326(1):168–71

Sleep–awake responses elicited from medial preoptic area on application of norepinephrine and phenoxybenzamine in free moving rats. Mohan Kumar V, et al. **Brain Res** 1984 Nov 26;322(2):322–5

The postnatal development of norepinephrine–stimulated cyclic AMP accumulation in rat spinal cord. Simmons K, et al. **Brain Res** 1985 Feb;350(1–2):306–10

In vivo modulation of norepinephrine–induced cerebral oxygenation states by hypoxia and hyperoxia. Sylvia AL, et al. **Brain Res** 1985 Jul 15;338(2):281–8

Epinephrine- and norepinephrine–evoked potential changes of frog primary afferent terminals: pharmacological characterization of alpha and beta components. Wohlberg CJ, et al. **Brain Res** 1985 Feb 18;327(1–2):289–301

Chronic infusion of norepinephrine and clonidine into the hypothalamic paraventricular nucleus. Lichtenstein SS, et al. **Brain Res Bull** 1984 Oct;13(4):591–5

Norepinephrine–stimulated vascular prostacyclin synthesis. Receptor–dependent calcium channels control prostaglandin synthesis. Stewart D, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1341–7

Effects of noradrenaline on interstitial fluid pressure in induced rat mammary tumours. Tveit E, et al. **Cancer Lett** 1985 Jul;27(3):249–53

Effects of noradrenaline and isoproterenol on cardiopulmonary function in a canine model of acute pulmonary hypertension. Molloy DW, et al. **Chest** 1985 Sep;88(3):432–5

Differences in norepinephrine activation and diltiazem inhibition of calcium channels in isolated rabbit aorta and mesenteric resistance vessels. Cauvin C, et al. **Circ Res** 1985 Jun;56(6):822–8

Calcium–dependent fluxes of potassium–42 and chloride–36 during norepinephrine activation of rat aorta. Smith JM, et al. **Circ Res** 1985 Apr;56(4):507–16

Mechanisms of supersensitivity to sympathomimetic amines in the chronically denervated heart of the conscious dog. Vatner DE, et al. **Circ Res** 1985 Jul;57(1):55–64

Blood pressure responses to prolonged infusions of adrenaline and noradrenaline in conscious dogs. Anderson WP, et al. **Clin Exp Hypertens [A]** 1984;6(8):1469–84

Increased sensitivity of rabbit ear artery to noradrenaline following perivascular nerve stimulation may be a response to neuropeptide Y released as cotransmitter. Glover WE. **Clin Exp Pharmacol Physiol** 1985 May–Jun;12(3):227–30

Influence of endothelium on noradrenaline–induced vasoconstriction in rabbit central ear artery. Verrecchia C, et al. **Clin Exp Pharmacol Physiol** 1985 Mar–Apr; 12(2):169–79

Factors determining alpha–adrenoceptor–mediated responses of human digital arteries and metacarpal veins. Stevens MJ, et al. **Clin Sci** 1985;68 Suppl 10:31s–33s

Adrenergic stimulation of adrenocortical secretion in immature fowl. Rees A, et al. **Comp Biochem Physiol [C]** 1985;81(2):387–9

Haemodynamic effects of noradrenaline and isoprenaline in chronic renal failure. Warren DJ, et al. **Contrib Nephrol** 1984;41:420–4

Norepinephrine alone versus norepinephrine plus low–dose dopamine: enhanced renal blood flow with combination pressor therapy. Schaer GL, et al. **Crit Care Med** 1985 Jun;13(6):492–6

Blood flow in aphakic rabbit eyes after sub–chronic glaucoma drug treatment. Green K, et al. **Curr Eye Res** 1985 Jun; 4(6):667–70

Effects of streptozotocin–induced diabetes and noradrenaline infusion on cardiac output and its regional distribution in pithed rats. Lucas PD. **Diabetologia** 1985 Feb;28(2):108–12

Influence of felodipine and verapamil on the sympathetic transmitter release and on the pre- and post–junctional effects of exogenous noradrenaline in the perfused rat kidney. Peter EJ, et al. **Drugs** 1985;29 Suppl 2:198–204

Effect of microelectrophoretically applied acetylcholine, noradrenaline, dopamine and serotonin on the discharge of paraventricular oxytocinergic neurones in the rat. Honda K, et al. **Endocrinol Jpn** 1985 Feb;32(1):127–33

Norepinephrine amplifies human chorionic gonadotropin–stimulated androgen biosynthesis by ovarian theca–interstitial cells. Dyer CA, et al. **Endocrinology** 1985 Apr;116(4):1645–52

Supersensitivity to norepinephrine induced by prenatal exposure to ethanol. Blum K, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):415–7

Activation mechanisms of human renal artery: effects of KCl, norepinephrine and nitrendipine upon tension development and 45Ca influx. Loutzenhiser R, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):47–52

Corticosterone prevents the increase in noradrenaline–stimulated adenyl cyclase activity in rat hippocampus following adrenalectomy or metopirone.

Roberts VJ, et al. **Eur J Pharmacol** 1984 Aug 17; 103(3-4):235-40

Differences in dopamine- and noradrenaline-induced amylase release from the rat parotid gland. Sundström S, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):355-61

Action of norepinephrine in the dentate gyrus. II. Iontophoretic studies. Winson J, et al. **Exp Brain Res** 1985; 59(3):497-506

Impact of neonatal catecholamine treatment on adult response to vasopressin and norepinephrine. Csaba G, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):153-8

Effects of epinephrine and norepinephrine on serum parathyroid hormone and calcium in normal subjects. Ljunhgall S, et al. **Exp Clin Endocrinol** 1984 Dec; 84(3):313-8

The response of microvessels in rat lung explants to incubation with norepinephrine. Davies P, et al. **Exp Lung Res** 1984;7(2):93-100

The effect of insulin and noradrenaline on the uptake of 2-[1-14C]deoxyglucose in vivo by brown adipose tissue and other glucose-utilising tissues of the mouse. Cooney GJ, et al. **FEBS Lett** 1985 Sep 2;188(2):257-61

Catecholamine control of enzymes involved in isocitrate oxidation of rat liver mitochondria. Kulinsky VI, et al. **FEBS Lett** 1984 Nov 5;177(1):143-5

Phorbol ester (TPA) potentiates noradrenaline and acetylcholine-evoked amylase secretion in the rat pancreas. Singh J. **FEBS Lett** 1985 Jan 28;180(2):191-5

Effects of the adrenergic transmitter on epicardial coronary arteries. Cohen RA, et al. **Fed Proc** 1984 Nov;43(14):2862-6 (34 ref.)

Testosterone and tolerance in rat vas deferens. Miranda HF, et al. **Gen Pharmacol** 1984;15(6):529-33

Changes in the responsiveness of the cat ileocecal sphincter to adrenergic agents during the postnatal period. Mizhorkova Z, et al. **Gen Pharmacol** 1984;15(6):511-5

Effect of captopril on norepinephrine vascular contractility. Ubeda M, et al. **Gen Pharmacol** 1985;16(3):303-6

Vasopressor hyperresponsiveness in New Zealand genetically hypertensive rats. Baer PG. **Hypertension** 1984 Nov-Dec; 6(6 Pt 1):861-7

Sympathetic vasoconstriction sensitive to alpha 2-adrenergic receptor blockade. No evidence for preferential innervation of alpha 1-adrenergic receptors in the canine femoral bed. Elsner D, et al. **Hypertension** 1984 Nov-Dec;6(6 Pt 1):915-25

Reactivity to norepinephrine and effect of sodium on blood pressure during weight loss. Fagerberg B, et al. **Hypertension** 1985 Jul-Aug;7(4):586-92

Hemodynamic characterization of hypertension induced by chronic intrarenal or intravenous infusion of norepinephrine in conscious rats. Kleinjans JC, et al. **Hypertension** 1984 Sep-Oct;6(5):689-99

Blood pressure, lanthanum-, and norepinephrine-induced mechanical response in thoracic aortic tissue. Laher I, et al. **Hypertension** 1984 Sep-Oct;6(5):700-8

Tissue sensitivity to acetylcholine, adrenaline, noradrenaline and serotonin and agents acting on sulphydryl groups. Tongia SK, et al. **Indian J Physiol Pharmacol** 1984 Apr-Jun;28(2):141-4

Suppression of norepinephrine-induced thermogenesis in human obesity by diet and weight loss. Finer N, et al. **Int J Obes** 1985;9(2):121-6

The influence of short-duration stretch on vasoconstrictor response in rabbit aortas. Wolf GL, et al. **Invest Radiol** 1984 Jul-Aug;19(4):269-72

Vascular responses to intravenous catecholamines in hands and forearms with normal and with increased skin blood flow. Allen JA, et al. **Ir J Med Sci** 1985 May;154(5):178-86

Exercise, dobutamine, and combined atropine, norepinephrine, and epinephrine compared. Haidet GC, et al. **J Appl Physiol** 1985 Jun;58(6):2047-53

Association of the changes in cytosolic Ca2+ and iodide efflux induced by thyrotropin and by the stimulation of alpha 1-adrenergic receptors in cultured rat thyroid cells. Corda D, et al. **J Biol Chem** 1985 Aug 5;260(16):9230-6

pH dependence of hormonal regulation of gluconeogenesis and urea synthesis from glutamine in suspensions of hepatocytes. Kashiwagura T, et al. **J Biol Chem** 1985 Jan 10;260(1):407-14

Glutamine metabolism of isolated rat hepatocytes. Evidence for catecholamine activation of alpha-ketoglutarate dehydrogenase. Ochs RS. **J Biol Chem** 1984 Nov 10; 259(21):13004-10

In vitro studies on responses to noradrenaline, serotonin, and potassium of intramyocardial and mesenteric resistance vessels from Wistar rats. Nyborg NC, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):417-23

Spectrum of altered reactivity of isolated cerebral arteries following subarachnoid haemorrhage--response to potassium, pH, noradrenaline, 5-hydroxytryptamine, and sodium loading. Pickard JD, et al. **J Cereb Blood Flow Metab** 1984 Dec;4(4):599-609

Pial artery responses to norepinephrine potentiated by endothelium removal. Sercombe R, et al. **J Cereb Blood Flow Metab** 1985 Jun;5(2):312-7

The effects of epinephrine, norepinephrine, and carbachol on oxygen consumption in rat sublingual gland slices. Terzić M, et al. **J Dent Res** 1984 Dec;63(12):1360-1

Modulation of calcium channels by norepinephrine in internally dialyzed avian sensory neurons. Forscher P, et al. **J Gen Physiol** 1985 May;85(5):743-63

Effect of norepinephrine on swelling-induced potassium transport in duck red cells. Evidence against a volume-regulatory decrease under physiological conditions. Haas M, et al. **J Gen Physiol** 1985 May; 85(5):649-67

Effects of prolonged and brief infusions of noradrenaline on arterial pressure and on the plasma concentrations of active renin, angiotensin II, aldosterone and potassium. Casals-Stenzel J, et al. **J Hypertens** 1983 Jun;1(1):27-35

Pressor responsiveness to norepinephrine in rabbits with adrenal perturbations. Siripaisarnpipat S, et al. **J Hypertens** 1985 Feb;3(1):89-96

Inhibitory effects of the D(-)isomer of 3-hydroxybutyrate on cardiac non-esterified fatty acid uptake and oxygen demand induced by norepinephrine in the intact dog. Lammerant J, et al. **J Mol Cell Cardiol** 1985 Apr; 17(4):421-33

Cholinergic- and adrenergic-stimulated inositide hydrolysis in brain: interaction, regional distribution, and coupling mechanisms. Gonzales RA, et al. **J Neurochem** 1985 Oct; 45(4):1076-84

Norepinephrine stimulation of phosphoinositide hydrolysis in rat cerebral cortex is associated with the alpha1-adrenoceptor. Schoepp DD, et al. **J Neurochem** 1984 Dec;43(6):1758-61

Denervation supersensitivity of the rat pineal to norepinephrine-stimulated [3H]inositide turnover revealed by lithium and a convenient procedure. Zatz M. **J Neurochem** 1985 Jul;45(1):95-100

Effect of immune complex-forming reactants on catecholamine-modulated behaviors in the rat hypothalamus. Schupf N, et al. **J Neuroimmunol** 1985 Jul; 9(1-2):13-27

Norepinephrine and histamine potentiate the increases in cyclic adenosine 3':5'-monophosphate elicited by vasoactive intestinal polypeptide in mouse cerebral cortical slices: mediation by alpha 1-adrenergic and H1-histaminergic receptors. Magistretti PJ, et al. **J Neurosci** 1985 Feb;5(2):362-8

Cocaine potentiates the responses to methacholine and noradrenaline in the rat vas deferens. Bradley L, et al. **J Pharm Pharmacol** 1985 May;37(5):369-72

Inhibitory presynaptic effect of noradrenaline on the hypogastric ganglion of the guinea pig. Abe F. **J Pharmacol Exp Ther** 1984 Nov;231(2):395-403

Hypernoradrenergic innervation of the caudal artery of the spontaneously hypertensive rat: an influence upon neuroeffector mechanisms. Cassis LA, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):792-803

Effect of imipramine and adrenocorticotropin administration on the rat brain norepinephrine-coupled cyclic nucleotide generating system: alterations in alpha and beta adrenergic components. Duman RS, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):409-14

Inhibition by 5,6-dihydroxy-2-dimethylaminotetralin (M7) of noradrenergic neurotransmission in the rabbit hypothalamus: role of alpha-2 adrenoceptors and of dopamine receptors. Galzin AM, et al. **J Pharmacol Exp Ther** 1985 May;233(2):459-65

Neural control of adenylate cyclase responsiveness in brown adipose tissue. Granneman JG, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):163-7

Adenosine selectively attenuates H2- and beta-mediated cardiac responses to histamine and norepinephrine: an unmasking of H1- and alpha-mediated responses. Hattori Y, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):215-23

Alpha adrenoceptor number limits response of some rabbit arteries to norepinephrine. Laher I, et al. **J Pharmacol Exp Ther** 1985 May;233(2):290-7

Inhibitory effects of norepinephrine, methoxamine and phenylephrine on renin release from rat kidney cortical slices. Matsumura Y, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):782-7

Smooth muscle alpha-2 adrenoceptors mediate vasoconstrictor responses to exogenous norepinephrine and to sympathetic stimulation to a greater extent in spontaneously hypertensive than in Wistar Kyoto rat tail arteries. Medgett IC, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):159-65

Effect of ethanol tolerance on norepinephrine-ethanol inhibition of (Na+ + K+)-adenosine triphosphatase in various regions of rat brain. Rangaraj NI, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):416-21

Kinetics of the enhancing effect produced by norepinephrine and terbutaline on the murine primary antibody response in vitro. Sanders VM, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):527-31

Demonstration of an alpha adrenoceptor-mediated inotropic effect of norepinephrine in human atria. Skomedal T, et al. **J Pharmacol Exp Ther** 1985 May;233(2):441-6

Reduction of the cyclic adenosine 3',5'-monophosphate response to catecholamines in rat brain slices after repeated restraint stress. Stone EA, et al. **J Pharmacol Exp Ther** 1985 May;233(2):382-8

Neuropeptide Y potentiates noradrenaline-evoked vasoconstriction: mode of action. Wahlestedt C, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):735-41

Noradrenaline hyperpolarization and depolarization in cat vesical parasympathetic neurones. Akasu T, et al. **J Physiol (Lond)** 1985 Apr;361:165-84

The diverse effects of noradrenaline and other stimulants on 86Rb and 42K efflux in rabbit and guinea-pig arterial muscle. Bolton TB, et al. **J Physiol (Lond)** 1984 Oct; 355:43-63

The effects of caffeine on the noradrenaline-sensitive calcium store in rabbit aorta. Leijten PA, et al. **J Physiol (Lond)** 1984 Dec;357:327-39

Studies of the mechanism of noradrenaline stimulation of fluid absorption by rat jejunum in vitro. Parsons BJ, et al. **J Physiol (Lond)** 1984 Oct;355:427-39

Effects of denervating brown adipose tissue on the responses to cold, hyperphagia and noradrenaline treatment in the rat. Rothwell NJ, et al. **J Physiol (Lond)** 1984 Oct; 355:457-63

Oxygen consumption in muscle stimulated by noradrenaline at various rates of oxygen delivery. Kolář F, et al. **J Physiol (Paris)** 1984;79(5):357-60

Diminished pressor response to exogenous norepinephrine and angiotensin II in septic, unanesthetized rats: evidence for a prostaglandin-mediated effect. Fink MP, et al. **J Surg Res** 1985 Apr;38(4):335-42

Calcium channel blockade in smooth muscle of the human upper urinary tract. II. Effects on norepinephrine-induced activation. Hertle L, et al. **J Urol** 1984 Dec;132(6):1270-4

An inference on the biphasic pressure rise in response to norepinephrine infusion in vivo. Akatsuka N, et al. **Jpn Circ J** 1984 Nov;48(11):1260-2

Pressor responses to norepinephrine in rabbits with 3-day renal artery stenosis--the role of prostaglandins. Ichikawa S, et al. **Jpn Circ J** 1984 Nov;48(11):1282-4

Effect of chronic angiotensin-converting enzyme blockade on pressor responses to exogenous angiotensin II, noradrenaline and vasopressin in deoxycorticosterone acetate salt (DOCA)-induced hypertensive rats. Gan EK, et al. **Jpn J Pharmacol** 1984 Oct;36(2):147-51

Relationship between endogenous prostaglandin E and the vasoconstrictor response to noradrenaline in a perfused arterial segment. Michibayashi T. **Jpn J Pharmacol** 1984 Jul;35(3):259-64

Effect of endogenous prostaglandin E on the vasoconstrictor response to noradrenaline. Michibayashi T. **Jpn J Pharmacol** 1984 Nov;36(3):365-70

Beta-actions of catecholamines on the K-related currents of the bullfrog atrial muscle. Umeno T. **Jpn J Physiol** 1984; 34(3):513-28

Renal interactions between norepinephrine and calcium antagonists. Steele TH, et al. **Kidney Int** 1984 Nov; 26(5):719-24

Effects of dopamine and norepinephrine on in vitro spontaneous and gonadotropin-releasing hormone-induced gonadotropin release by dispersed cells or fragments of the goldfish pituitary. Chang JP, et al. **Life Sci** 1984 Nov 12; 35(20):2027-33

Effect of endurance training and chronic isoproterenol treatment on skeletal muscle sensitivity to norepinephrine. Côté C, et al. **Life Sci** 1985 Aug 26;37(8):695-701

The effects of vasopressin and catecholamines on cyclic AMP in homogenates of rat brain. Hawthorn J, et al. **Life Sci** 1985 Feb 4;36(5):465-71

Norepinephrine-dependent and independent mechanisms of persistent effects of amphetamine in rat cerebellum. Sorensen SM, et al. **Life Sci** 1985 Jun 24;36(25):2383-9

Enhancement of the pressor response to norepinephrine by angiotensin in the conscious rabbit. Weber MA, et al. **Life Sci** 1985 May 20;36(20):1897-907

Blunted norepinephrine responsiveness to changing energy states in obese subjects. Bazelmans J, et al. **Metabolism** 1985 Feb;34(2):154-60

The effect of long-term intraarterial norepinephrine infusion on transcapillary fluid and protein transport. Friedman JJ, et al. **Microvasc Res** 1985 Jul;30(1):45-55

The interaction between calcium and the activation of Na+, K+-ATPase by noradrenaline. Haag M, et al. **Mol Cell Biochem** 1985 Mar;66(2):111-6

Hormonal inhibition of adenylate cyclase. A crucial role for Mg2+. Bockaert J, et al. **Mol Pharmacol** 1984 Sep; 26(2):180-6

Nonlinear relationship between alpha 1-adrenergic receptor occupancy and norepinephrine-stimulated calcium flux in cultured vascular smooth muscle cells. Colucci WS, et al. **Mol Pharmacol** 1985 May;27(5):517-24

Characterization of the relationship between gamma-aminobutyric acid B agonists and transmitter-coupled cyclic nucleotide-generating systems in rat brain. Karbon EW, et al. **Mol Pharmacol** 1985 Jan; 27(1):53-9

Vasoconstrictor and norepinephrine potentiating action of 5-hydroxykynuramine in the isolated perfused rat kidney: involvement of serotonin receptors and alpha 1-adrenoceptors. Charlton KG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):154-9

Effects of nerve stimulation on enzyme secretion from the in vitro rat pancreas and 3H-release after preincubation with catecholamines. Singh J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(3):228-33

Interaction of norepinephrine with Purkinje cell responses to cerebellar afferent inputs in aged rats. Bickford PC, et al. **Neurobiol Aging** 1985 Summer;6(2):89-94

Effects of advancing age on hypothalamic neurotransmitter content and on basal and norepinephrine-stimulated LHRH release. Steger RW, et al. **Neurobiol Aging** 1985 Summer; 6(2):113-6

Noradrenaline and prostaglandin E2 stimulate LH-RH release from rat median eminence through distinct 1-alpha-adrenergic and PGE2 receptors. Heaulme M, et al. **Neuroendocrinology** 1984 Nov;39(5):403-7

Multiple changes in the sensitivity of cingulate cortical neurones to putative neurotransmitters in ageing rats: substance P, acetylcholine and noradrenaline. Jones RS, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):31-6

Astrocyte opioid receptors: activation modifies the noradrenaline-evoked increase in 2-[14C]deoxyglucose incorporation into glycogen. Pearce B, et al. **Neurosci Lett** 1985 Apr 9;55(2):157-60

Laminar distributions of neurons sensitive to acetylcholine, noradrenaline and dopamine in the dorsolateral prefrontal cortex of the monkey. Sawaguchi T, et al. **Neurosci Res** 1985 Apr;2(4):255-73

Vasoactive agents and production of thrombosis during intravascular coagulation 1—comparative effects of norepinephrine in thrombin and adenosine diphosphate (ADP) treated rabbits. Latour JG, et al. **Pathology** 1984 Oct;16(4):411-7

Norepinephrine-induced pulmonary petechiae in the rat: an experimental model with potential implications for sudden infant death syndrome. Krous HF, et al. **Pediatr Pathol** 1984;2(1):115-22

Effects of histamine antagonists on noradrenaline-stimulated blood flow and oxygen consumption of brown adipose tissue in the rat. Rothwell NJ, et al. **Pflugers Arch** 1984 Nov;402(3):325-9

Decrease in membrane conductance induced by noradrenaline in the smooth muscle of guinea-pig vas deferens. Wakui M, et al. **Pflugers Arch** 1985 Jan; 403(1):109-11

Dopamine-beta-hydroxylase inhibitors, feeding and locomotor activity: reinstatement of feeding following central norepinephrine. Evans KR, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):535-40

Effects of vasopressin on noradrenaline-induced cyclic AMP accumulation in rat brain slices. Hamburger-Bar R, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):183-7

Chronic norepinephrine injection into the hypothalamic paraventricular nucleus produces hyperphagia and increased body weight in the rat. Leibowitz SF, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):801-8

Norepinephrine-facilitated eating: reduction in saccharin preference and conditioned flavor preferences with increase in quinine aversion. Matthews JW, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1045-52

Effect of angiotensin, noradrenaline, vasopressin and aldosterone on urinary kallikrein excretion in the rat. Catanzaro OL, et al. **Pharmacol Res Commun** 1984 Aug; 16(8):775-83

Regional variation in norepinephrine-stimulated calcium uptake in rabbit aorta. Flaim SF, et al. **Pharmacology** 1985; 30(1):1-11

High-cholesterol diet induces altered responsiveness of rabbit arterial smooth muscle to noradrenaline. Maggi CA, et al. **Pharmacology** 1985;30(5):273-80

Motor responses of cyproterone acetate-treated rat vas deferens to electrical field stimulation, noradrenaline and barium chloride. Raviprakash V, et al. **Pharmacology** 1985; 30(5):296-300

Phentolamine and rat aortic smooth muscle responsiveness to potassium chloride, isoproterenol and norepinephrine. Soltis EE, et al. **Pharmacology** 1985;31(2):67-71

Noradrenergic feeding elicited via the paraventricular nucleus is dependent upon circulating corticosterone. Leibowitz SF, et al. **Physiol Behav** 1984 May;32(5):857-64

Some behavioral effects of microinjections of noradrenaline and serotonin into the amygdaloid body of the rat brain. Plaznik A, et al. **Physiol Behav** 1985 Apr;34(4):481-7

Effect of a low sodium medium, ouabain and noradrenaline on relaxation of the myocardium of the perfused rabbit heart. Fišer B, et al. **Physiol Bohemoslov** 1985;34(1):77-84

Some behavioral effects of microinjections of serotonin and noradrenaline into the limbic structures of the rat brain. Płaźnik A. **Pol J Pharmacol Pharm** 1984 Sep-Oct; 36(5):541-54

Evidence for widespread effects of noradrenaline on axon terminals in the rat frontal cortex. Mobley P, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):945-7

Postvagal potentiation of the chronotropic effect of norepinephrine. Johnsen JA, et al. **Proc Soc Exp Biol Med** 1984 Nov;177(2):327-31

Pressor and vascular responsiveness in renal prehypertensive rabbits with a nonfiltering kidney. Wells AM, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):24-32

Potentiation of the vasoconstriction to norepinephrine in the isolated perfused rat kidney by 5-hydroxykynuramine, an endogenous amine related to 5-hydroxytryptamine. Charlton KG, et al. **Proc West Pharmacol Soc** 1984; 27:391-4

Noradrenergic actions of Purkinje and locus coeruleus neurons in culture. Marshall KC, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):515-20

The effects of alpha 1-adrenergic and muscarinic cholinergic stimulation on prostaglandin release by rabbit iris. Yousufzai SY, et al. **Prostaglandins** 1984 Sep;28(3):399-415

On the synthesis of prostaglandins E1, E2 and E2 alpha by sow oviducts. Differential modulation of 1 and 2 series of prostaglandins by norepinephrine. Gimeno MF, et al. **Prostaglandins Leukotrienes Med** 1985 Jan;17(1):61-70

Adrenergic stimulation modifies prostaglandin synthesis by rat vas deferens. Peredo H, et al. **Prostaglandins Leukotrienes Med** 1985 Jul;19(1):51-61

Hypersensitivity to norepinephrine in vasa deferentia from diabetic rats. Possible participation of metabolic products of arachidonic acid. Peredo H, et al. **Prostaglandins Leukotrienes Med** 1984 Aug;15(2):229-39

Hypophysectomy disturbs the noradrenergic feeding system of the paraventricular nucleus. Roland CR, et al. **Psychoneuroendocrinology** 1985;10(1):109-20

Airway responses to low concentrations of adrenaline and noradrenaline in normal subjects. Berkin KE, et al. **Q J Exp Physiol** 1985 Apr;70(2):203-9

Post-natal change in the effect of denervation on the rat vas deferens. Chiu-Wei YF, et al. **Q J Exp Physiol** 1984 Oct;69(4):711-8

Vasoactive agonists prevent erythrocyte extravasation in thrombocytopenic hamsters. Shepro D, et al. **Thromb Res** 1984 Aug 15;35(4):421-30

The effects of cyanide and its interactions with norepinephrine on isolated aorta strips from the rabbit, dog, and ferret. Robinson CP, et al. **Toxicology** 1985 Apr; 35(1):59-72

[Cyclic-nucleotides and adrenergic antiglaucoma drugs] Lu DY. **Chung Hua Yen Ko Tsa Chih** 1985 Jan;21(1):11-4 **(Chi)**

[Electrocardiographic studies of the modification of cardiac activity in cattle by adrenaline and noradrenaline with and without vagolysis (atropine) and beta-receptor blockade (propranolol)] Mielke H, et al. **Arch Exp Veterinarmed** 1985 Mar;39(2):193-206 (Eng. Abstr.) **(Ger)**

[Effect of thyroid hormones on noradrenaline-stimulated lipolysis in obesity] Ventz M, et al. **Z Gesamte Inn Med** 1984 Jun 15;39(12):282-4 (Eng. Abstr.) **(Ger)**

[Role of adenosine in coronary vascular responses to catecholamines] Tanaka T, et al. **Kokyu To Junkan** 1984 Nov;32(11):1115-8 **(Jpn)**

[Effect of halothane on the ischemia-induced conduction delay in canine myocardium and the action of norepinephrine] Gotoh Y, et al. **Masui** 1984 Dec; 33(12):1317-22 (Eng. Abstr.) **(Jpn)**

[Optimal dose of PGE1 in the rat mesentery against vasoconstrictive effect of norepinephrine] Kato T, et al. **Masui** 1984 Jul;33(7):720-4 (Eng. Abstr.) **(Jpn)**

[Direct observation on microcirculation of cochlea. I. Effects of ADP and norepinephrine injections upon blood flow of radiating arteriole in guinea pigs] Fuzisaki Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Feb;88(2):128-37 (Eng. Abstr.) **(Jpn)**

[Cyclic AMP content of autonomic ganglia as affected by catecholamines] Kniazeva LA, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):348-9 (Eng. Abstr.) **(Rus)**

[Reactivity of the coronary vessels and adrenergic action] Lysenko LT, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):82-8 **(Rus)**

[Synaptic transmission and action of noradrenaline and ATP in intestinal smooth muscle cells in a potassium-free solution] Baidan LV, et al. **Fiziol Zh** 1984 Nov-Dec; 30(6):724-6 **(Rus)**

[Role of noradrenaline in the synaptic processes in individual hippocampal neurons under self stimulation] Belyĭ VP, et al. **Fiziol Zh SSSR** 1984 Oct;70(10):1421-8 (Eng. Abstr.) **(Rus)**

[Shifts in spatial synchronization potentials of the rabbit cortex evoked by the administration of noradrenaline to the visual area] Kurova NS, et al. **Fiziol Zh SSSR** 1984 Sep;70(9):1316-22 (Eng. Abstr.) **(Rus)**

[Effect of the short term exposure to heat on the adreno- and cholinosensitivity of the small intestine in the rat] Mezidova KhA, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):195-9 (Eng. Abstr.) **(Rus)**

[Effect of vasoactive drugs on the effectiveness of transfusion therapy in the late period of hemorrhagic shock] Sherman DM, et al. **Gematol Transfuziol** 1985 Feb;30(2):27-31 (Eng. Abstr.) **(Rus)**

[Action of noradrenaline and dopamine on the pacemaker cells of the normal rat sinus node and in pharmacological sympathectomy] Sutiagin PV, et al. **Kardiologiia** 1985 May; 25(5):88-93 (Eng. Abstr.) **(Rus)**

[Effect of bulbar microinjections of noradrenaline, isoproterenol and phentolamine on the spino-bulbo-spinal reflex in the cat] Gokin AP, et al. **Neirofiziologiia** 1984; 16(4):550-3 (Eng. Abstr.) **(Rus)**

[Systems analysis of neurochemical mechanisms of involvement of cortical neurons in goal-oriented behavior] Andrianov VV. **Vestn Akad Med Nauk SSSR** 1985;(2):24-9 (Eng. Abstr.) **(Rus)**

[Effect of noradrenaline on spatial synchronization and evoked potentials in the cerebral cortex of the rabbit] Ignat'ev DA. **Zh Vyssh Nerv Deiat** 1984 Jul-Aug; 34(4):743-51 (Eng. Abstr.) **(Rus)**

[Functional differentiation of the theta-rhythm of the hippocampus in the cat] Melikov EM. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):457-64 (Eng. Abstr.) **(Rus)**

[Potentiation of the response of arterial strips to the exogenous administration of noradrenaline and transmural stimulation by vasopressin] Sotníková R, et al. **Cesk Farm** 1984 Sep;33(7):276-82 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Involvement of norepinephrine in pituitary LH release induced by oestradiol in vitro. Miyake A, et al. **Acta Endocrinol (Copenh)** 1984 Oct;107(2):199-203

The influence of some brainstem noradrenergic structures on the stress-induced secretion of adrenocorticotrophic hormone (ACTH). Patchev V, et al. **Acta Physiol Pharmacol Bulg** 1984;10(3):16-9

Does norepinephrine play a central causative role in the process of cardiac hypertrophy? Rossi MA, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):622-4 (23 ref.)

Mechanisms involved in alpha-adrenergic phenomena. Exton JH. **Am J Physiol** 1985 Jun;248(6 Pt 1):E633-47 (165 ref.)

Prejunctional adrenergic inhibition by aggregating platelets in canine blood vessels. Lorenz RR, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H685-9

Vasomotor response to hormonal norepinephrine in canine cerebral and hindlimb vessels. Louie JA, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):H232-9

Diurnal-stimulated and stress-induced ACTH release in rats is mediated by ventral noradrenergic bundle. Szafarczyk A, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):E219-26

Trophic response of hamster brown adipose tissue: roles of norepinephrine and pineal gland. Triandafillou J, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E793-9

Blood pressure control in pregnant rabbits: norepinephrine and prostaglandin interactions. Venuto R, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R786-91

Excitation of vascular muscles by norepinephrine. Hermsmeyer K. **Ann Biomed Eng** 1983;11(6):567-77

Noradrenergic modulation of selective attention: its role in memory retrieval. Sara SJ. **Ann NY Acad Sci** 1985; 444:178-93

Depletion of adrenal catecholamines alters the amnestic effect of amygdala stimulation. Bennett C, et al. **Behav Brain Res** 1985 Apr;15(2):83-91

Alleviation of response suppression to conditioned aversive stimuli by lesions of the dorsal noradrenergic bundle. Tsaltas E, et al. **Behav Brain Res** 1984 Aug;13(2):115-27

Deficits in conditioned avoidance responding following adrenalectomy and central norepinephrine depletion are dependent on postsurgical recovery period and phase of the diurnal cycle. Bialik RJ, et al. **Behav Neurosci** 1984 Oct;98(5):847-57

Comparison of the effects of caffeine and procaine on noradrenergic transmission in the guinea-pig mesenteric artery. Fujii K, et al. **Br J Pharmacol** 1985 Mar;84(3):675-84

Noradrenaline: a circulating inhibitor of sodium transport. Riozzi A, et al. **Br Med J [Clin Res]** 1984 Oct 20; 289(6451):1025-7

Blockade and reversal of 5-methoxy-N,N-dimethyltryptamine-induced analgesia following noradrenaline depletion. Archer T, et al. **Brain Res** 1985 Apr 29;333(1):55-61

Noradrenergic inhibitors cause accumulation of nuclear progestin receptors in guinea pig hypothalamus. Blaustein JD. **Brain Res** 1985 Jan 28;325(1-2):89-98

Effect of locus coeruleus stimulation on regional cerebral oxygen consumption in the cat. Buchweitz E, et al. **Brain Res** 1985 Jan 28;325(1-2):107-14

Acute superior cervical ganglionectomy depresses the postcastration rise of gonadotropins in male rats. Chiocchio SR, et al. **Brain Res** 1984 Sep 10;309(2):354-6

The formation of deaminated metabolites of dopamine in the locus coeruleus depends upon noradrenergic neuronal activity. Curet O, et al. **Brain Res** 1985 Jun 3; 335(2):297-301

Positive control of target cerebellar cells on norepinephrine uptake in embryonic brainstem cultures in serum-free medium. di Porzio U, et al. **Brain Res** 1984 Nov; 318(2):147-57

Manipulation of the amygdala noradrenergic system impairs extinction of passive avoidance. Ellis ME. **Brain Res** 1984 Dec 17;324(1):129-33

Partial damage to the noradrenergic bundle increases tyrosine hydroxylase activity in noradrenergic terminals of hippocampus but not cerebellum. Fluharty SJ, et al. **Brain Res** 1984 Dec 24;324(2):390-3

Regional blood-brain barrier permeability to water and cerebral blood flow during status epilepticus: insensitivity to norepinephrine depletion. Ginsberg MD, et al. **Brain Res** 1985 Jun 24;337(1):59-71

Comparative effects of sciatic nerve stimulation, blood pressure, and morphine on the activity of A5 and A6 pontine noradrenergic neurons. Guyenet PG, et al. **Brain Res** 1985 Feb 18;327(1-2):191-201

Central noradrenergic involvement in yohimbine excitation of acoustic startle: effects of DSP4 and 6-OHDA. Kehne JH, et al. **Brain Res** 1985 Mar 18;330(1):31-41

Noradrenergic hyperinnervation of the trigeminal sensory nuclei. McBride RL, et al. **Brain Res** 1984 Dec 24; 324(2):211-21

alpha 2 and alpha 1-Adrenoceptors mediate opposing actions on parasympathetic neurons. Nakamura T, et al. **Brain Res** 1984 Dec 10;323(2):349-53

Alpha 1-noradrenergic regulation of hypothalamic progestin receptors and guinea pig lordosis behavior. Nock B, et al. **Brain Res** 1984 Sep 17;310(1):77-85

Long-term potentiation in the dentate gyrus: effects of noradrenaline depletion in the awake rat. Robinson GB, et al. **Brain Res** 1985 Jan 28;325(1-2):71-8

Neonatal 6-hydroxydopamine lesion of spinal norepinephrine terminals fails to affect the ontogeny of swimming behavior. Ryan C, et al. **Brain Res** 1985 Jan; 349(1-2):258-62

Effect of intrathecally administered noradrenergic antagonists on nociception in the rat. Sagen J, et al. **Brain Res** 1984 Sep 24;310(2):295-301

Brain (Na+,K+)-ATPase and noradrenergic function: recovery of enzyme activity after norepinephrine depletion. Swann AC. **Brain Res** 1984 Nov 12;321(2):323-6

Aversive effects of subcutaneously injected vasopressin in the rat: independence of the ascending dorsal noradrenergic bundle. Tam FW, et al. **Brain Res** 1985 Jun 24;337(1):133-7

Inputs from the A1 noradrenergic region to hypothalamic paraventricular neurons in the rat. Tanaka J, et al. **Brain Res** 1985 Jun 3;335(2):368-71

The action of the A1 noradrenergic region on phasically firing neurons in the rat paraventricular nucleus. Tanaka J, et al. **Brain Res** 1984 Sep 17;310(1):138-41

Noradrenergic innervation of the paraventricular nucleus: specific role in control of carbohydrate ingestion. Leibowitz SF, et al. **Brain Res Bull** 1985 Jun;14(6):561-7

Effect of dopamine receptor blockade or norepinephrine synthesis inhibition on acute, ovariectomy-induced increases in pulsatile luteinizing hormone release in the rat. Leipheimer RE, et al. **Brain Res Bull** 1984 Aug; 13(2):235-40

Mechanisms of hormonal regulations in brown adipose tissue of developing rats. Skala JP. **Can J Biochem Cell Biol** 1984 Jul;62(7):637-47 (90 ref.)

Neuronally released norepinephrine does not preferentially activate postjunctional alpha 1-adrenoceptors in human blood vessels in vitro. Stevens MJ, et al. **Circ Res** 1985 Sep;57(3):399-405

Effect of intracerebroventricular 6-hydroxydopamine (6-HODA) on the angiotensinogen concentration of the brain. Basso N, et al. **Clin Exp Hypertens [A]** 1984; 6(10-11):1773-6

Neuropeptide Y and noradrenaline interaction in peripheral cardiovascular control. Lundberg JM, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):1961-72

Differential blocking effects of prazosin and yohimbine on pressor responses to neuronally released and exogenously administered noradrenaline in the pithed rat. Kimura T, et al. **Clin Exp Pharmacol Physiol** 1984 Nov-Dec; 11(6):589-95

Evidence for ATP and noradrenaline as cotransmitters in sympathetic nerves. Burnstock G, et al. **Clin Sci** 1985;68 Suppl 10:89s-92s

Effect of norepinephrine on ketogenesis, fatty acid oxidation, and esterification in isolated rat hepatocytes. Oberhaensli RD, et al. **Diabetes** 1985 Aug;34(8):774-9

Regulation of ketogenesis by epinephrine and norepinephrine in the overnight-fasted, conscious dog. Steiner KE, et al. **Diabetes** 1985 May;34(5):425-32

Noradrenergic and endogenous opioid pathways in the regulation of luteinizing hormone secretion in the male rat. Miller MA, et al. **Endocrinology** 1985 Aug;117(2):544-8

Pharmacological modifications of the neurotoxic action of the noradrenaline neurotoxin DSP4 on central noradrenaline neurons. Hallman H, et al. **Eur J Pharmacol** 1984 Aug 17;103(3-4):269-78

Noradrenergic denervation increases alpha 1-adrenoceptor-mediated inositol-phosphate accumulation in the hippocampus. Janowsky A, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):193-4

Buspirone increases locus coeruleus noradrenergic neuronal activity in vitro. Trulson ME, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):195-7

Action of norepinephrine in the dentate gyrus. I. Stimulation of locus coeruleus. Dahl D, et al. **Exp Brain Res** 1985; 59(3):491-6

Substantial reduction of noradrenaline in kitten visual cortex by intraventricular injections of 6-hydroxydopamine does not always prevent ocular dominance shifts after monocular deprivation. Daw NW, et al. **Exp Brain Res** 1985;59(1):30-5

Response of phasically firing paraventricular neurons to A1 noradrenergic region stimulation and its attenuation by adrenoceptor antagonists. Tanaka J, et al. **Exp Neurol** 1985 Jun;88(3):714-25

Impaired hormonal regulation of lipolysis and the interference with adenosine in adipose tissue from hyperglycemic sand rats in vitro. Knospe S, et al. **Horm Metab Res** 1984 Jul;16(7):349-53

A comparison of the response of specific sensory and noradrenergic afferents to enucleation-induced deafferentation of the mammalian superior colliculus. Rhoades RW. **J Am Osteopath Assoc** 1984 Sep;84(1 Suppl):111-8

Heat acclimation: role of norepinephrine in the anterior hypothalamus. Christman JV, et al. **J Appl Physiol** 1985 Jun;58(6):1923-8

Role of central nervous system monoamines in cardiopulmonary effects of Althesin in rabbit and man. Quail AW, et al. **J Auton Nerv Syst** 1985 Feb-Mar; 12(2-3):159-74

Ambient temperature modulates the differentiated cardiorespiratory pattern generated by the central noradrenergic system, most likely via alterations of thyrotropin-releasing hormone (TRH) activity. Riedel W. **J Auton Nerv Syst** 1985 Feb-Mar;12(2-3):145-57

Central nervous system 5-hydroxytryptamine and noradrenaline specificity of ear vascular and ventilation reflexes in thermoregulating rabbits. White SW, et al. **J Auton Nerv Syst** 1985 Feb-Mar;12(2-3):131-44

Norepinephrine as a possible transmitter involved in synaptic transmission in frog taste organs and Ca dependence of its release. Nagahama S, et al. **J Gen Physiol** 1985 Mar; 85(3):431-42

Effects of captopril on vascular noradrenergic transmission during the development of two-kidney, one clip Goldblatt hypertension in rats. Eikenburg DC, et al. **J Hypertens** 1983 Aug;1(2):115-22

Differential coupling of GABA-A and GABA-B receptors to the noradrenergic system. Suzdak PD, et al. **J Neural Transm** 1985;62(1-2):77-89

Desipramine binding: relationship to central and sympathetic noradrenergic activity. Swann AC, et al. **J Neurochem** 1985 Feb;44(2):611-5

Opioid induced unconsciousness reversed by changes in opioid cholinergic and adrenergic function [letter] Gillman MA, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr; 48(4):391

Postnatal development of laminar innervation patterns by monoaminergic fibers in monkey (Macaca fascicularis) primary visual cortex. Foote SL, et al. **J Neurosci** 1984 Nov;4(11):2667-80

Noradrenergic modulation of sensorimotor processes in intact rats: the masseteric reflex as a model system. Morilak DA, et al. **J Neurosci** 1985 May;5(5):1300-6

Adrenergic and possible nonadrenergic sources of adenosine 5'-triphosphate release from nerve varicosities isolated from ileal myenteric plexus. Al-Humayyd M, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):796-800

Chronic thyroxine treatment of rats down-regulates the noradrenergic cyclic AMP generating system in cerebral cortex. Schmidt BH, et al. **J Pharmacol Exp Ther** 1985 May;233(2):466-72

Naltrexone precipitated opiate withdrawal in methadone addicted human subjects: evidence for noradrenergic hyperactivity. Charney DS, et al. **Life Sci** 1984 Sep 17; 35(12):1263-72

Inhibition of locus coeruleus neuronal activity by beta-phenylethylamine. Lundberg PA, et al. **Life Sci** 1985 May 13;36(19):1889-96

Endogenous noradrenaline as modulator of hippocampal serotonin (5-HT)-release. Dual effects of yohimbine, rauwolscine and corynanthine as alpha-adrenoceptor antagonists and 5-HT-receptor agonists. Feuerstein TJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):216-21

Lesioning of serotoninergic and noradrenergic nerve fibres of the rat brain does not decrease binding of 3H-clonidine and 3H-rauwolscine to cortical membranes. Gross G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):229-35

Noradrenergic afferents facilitate the activity of tuberoinfundibular neurons of the hypothalamic paraventricular nucleus. Day TA, et al. **Neuroendocrinology** 1985 Jul;41(1):17-22

Medial preoptic area involvement in norepinephrine-induced suppression of pulsatile luteinizing hormone release in ovariectomized rats. Leipheimer RE, et al. **Neuroendocrinology** 1985 Apr;40(4):345-51

Limited involvement of central noradrenergic pathways in morphine-induced antinociception. Berge OG, et al. **Neuropharmacology** 1984 Oct;23(10):1179-85

Interaction between the baroreflex and anterior hypothalamic stimulation. Demonstration of a noradrenergic involvement. Simon OR, et al. **Neuropharmacology** 1985 Jul;24(7):665-75

Serotonin and norepinephrine-dependent effects of fenfluramine on plasma renin activity in conscious male rats. Van de Kar LD, et al. **Neuropharmacology** 1985 Jun; 24(6):487-94

Brain noradrenergic activity in wakefulness and paradoxical sleep: the effect of clonidine. Gaillard JM. **Neuropsychobiology** 1985;13(1-2):23-5

Avoidance conditioning in rats following changes in activity of the noradrenergic and cholinergic systems of the brain. Martynov NN, et al. **Neurosci Behav Physiol** 1984 Sep-Oct; 14(5):368-72

Stress and brain noradrenaline: a review. Glavin GB. **Neurosci Biobehav Rev** 1985 Summer;9(2):233-43 (81 ref.)

The role of noradrenaline in tuning and dopamine in switching between signals in the CNS. Oades RD. **Neurosci Biobehav Rev** 1985 Summer;9(2):261-82

Influence of ascending noradrenergic fibers on the neurotensin-like immunoreactive perikarya and evidence of direct projection of ascending neurotensin-like immunoreactive fibers in the rat central nucleus of the amygdala. Kawakami F, et al. **Neurosci Lett** 1984 Oct 12; 51(2):225-30

Blockade of intrathecal 5-hydroxytryptamine-induced antinociception in rats by noradrenaline depletion. Minor BG, et al. **Neurosci Lett** 1985 Feb 28;54(1):39-44

Activation of the noradrenergic projection from locus coeruleus reduces the excitatory responses of anterior cingulate cortical neurones to substance P. Jones RS, et al. **Neuroscience** 1984 Nov;13(3):819-25

Relative pre- and postjunctional roles of noradrenaline and adenosine 5'-triphosphate as neurotransmitters of the sympathetic nerves of guinea-pig and mouse vas deferens. Stjärne L, et al. **Neuroscience** 1985 Mar;14(3):929-46

Discrete events measure single quanta of adenosine 5'-triphosphate secreted from sympathetic nerves of guinea-pig and mouse vas deferens. Stjärne L, et al. **Neuroscience** 1984 Sep;13(1):21-8

alpha 1- and beta-adrenergic receptors are co-regulated during both noradrenergic denervation and hyperinnervation. Sutin J, et al. **Neuroscience** 1985 Apr; 14(4):973-80

The role of central noradrenergic neurons in electroconvulsive shock-induced muricide inhibition in olfactory bulbectomized rats. Liou SY, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):65-70

Suppressant effect of REM sleep deprivation on neophobia in normal rats and in rats with selective DSP-4 induced damage of locus coeruleus neurons. Mogilnicka E, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):93-7

Central serotonin neurones in avoidance learning: interactions with noradrenaline and dopamine neurones. Ogren SO. **Pharmacol Biochem Behav** 1985 Jul;23(1):107-23

Possible noradrenergic involvement in naloxone potentiation of apomorphine-induced stereotypic climbing in mice. Quock RM, et al. **Pharmacol Biochem Behav** 1984 Nov; 21(5):733-6

A comparative study of the behavioral effects of the locus coeruleus and the dorsal noradrenergic bundle lesions in the rat. Verleye M, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):357-63

Evidence of norepinephrine-mediated suppression of para-chlorophenylalanine-induced muricidal behavior. Pucilowski O, et al. **Pharmacol Res Commun** 1985 May; 17(5):457-62

Role of noradrenaline and serotonin in the basolateral region of the amygdala in food preferences and learned taste aversions in the rat. Borsini F, et al. **Physiol Behav** 1984 Jul;33(1):37-43

Brain norepinephrine depleting lesions selectively enhance behavioral responsiveness to novelty. Britton DR, et al. **Physiol Behav** 1984 Sep;33(3):473-8

The effects of lesions of the locus coeruleus and treatment with drugs affecting brain noradrenergic neurotransmission on dominant-subordinate behavior in rats competing for water. Plewako M, et al. **Pol J Pharmacol Pharm** 1984 Sep-Oct;36(5):555-60

The role of the central noradrenaline system in regulating neuronal plasticity in the developing neocortex. Kasamatsu T. **Prog Clin Biol Res** 1985;163C:369-73

Modulation of baroreceptor activity. Kunze DL. **Prog Clin Biol Res** 1985;176:183-9

Central noradrenergic neurons and the hypertensive effects of intracerebroventricularly administered prostaglandin E2 in anaesthetized rabbits. Otorii T, et al. **Prostaglandins** 1985 Jan;29(1):25-33

Serotonergic modulation of cortical rat noradrenergic system in the mechanism of action of antidepressant drugs. Brunello N, et al. **Psychopharmacol Bull** 1985;21(3):379-84

The serotonin/norepinephrine-linked beta-adrenoceptor system and the mode of action of antidepressants. Sanders-Bush E, et al. **Psychopharmacol Bull** 1985; 21(3):373-8

Supersensitivity to the anticonvulsant and proconvulsant activity of clonidine following noradrenaline depletion induced by 6-hydroxydopamine. Dalton JC, et al. **Psychopharmacology (Berlin)** 1985;85(3):319-22

The effect of clorgyline on noradrenergic function. Ross RJ, et al. **Psychopharmacology (Berlin)** 1985;85(2):227-30

Dorsal bundle lesions do not affect latent inhibition of conditioned suppression. Tsaltas E, et al. **Psychopharmacology (Berlin)** 1984;84(4):549-55

The effect of stimulus preexposure upon the context effect in taste-aversion learning in noradrenaline-depleted rats. Archer T, et al. **Scand J Psychol** 1985;26(2):158-69

Induction of DNA synthesis in cultured rat hepatocytes through stimulation of alpha 1 adrenoreceptor by norepinephrine. Cruise JL, et al. **Science** 1985 Feb 15; 227(4688):749-51

Frequency-dependent noradrenergic modulation of long-term potentiation in the hippocampus. Hopkins WF, et al. **Science** 1984 Oct 19;226(4672):350-2

[Enkephalin-noradrenaline interactions in synaptic transmission] Fan JZ, et al. **Sheng Li Ko Hsueh Chin Chan** 1985 Apr;16(2):158-60 **(Chi)**

[Mechanisms involved in metabolic responses to cold exposure] Shiota M, et al. **Seikagaku** 1985 Jan;57(1):36-47 (113 ref.) **(Jpn)**

[Catecholamines and thyroid function] Słowińska-Srzednicka J. **Pol Tyg Lek** 1984 Jul 16-23;39(29-30):1013-6 (44 ref.) **(Pol)**

[Interrelation of heart rhythm disorders in acute myocardial ischemia with the activity of the limbic and noradrenergic systems] Pivovarov IuI, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):647-9 (Eng. Abstr.) **(Rus)**

[Effect of phenazepam on the peripheral catecholaminergic systems in immobilization stress] Malikova LA, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):23-7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Effect of ultraviolet irradiation on adrenaline and noradrenaline levels in the plasma, adrenal glands, brain stem and myocardium of rabbits] Mietkiewski E, et al.

Ann Acad Med Stetin 1984;30:257-71 (Eng. Abstr.) **(Pol)**

SECRETION

Effect of propranolol on post-traumatic hypophosphataemia and catecholamine secretion. Lovén L, et al. **Acta Chir Scand** 1985;151(3):201-4

Ethanol-induced inhibition of norepinephrine release from brain slices obtained from LS and SS mice. Howerton TC, et al. **Alcohol** 1984 Jan-Feb;1(1):47-53

Enhanced 24-hour norepinephrine and renin secretion in young patients with essential hypertension: relation with the circadian pattern of arterial blood pressure. Tuck ML, et al. **Am J Cardiol** 1985 Jan 1;55(1):112-5

Central role for angiotensin in control of adrenal catecholamine secretion. Corwin EJ, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):R363-70

Factors influencing the release of noradrenaline from hypothalamic slices of the possum, Trichosurus vulpecula. Minson JB, et al. **Aust J Exp Biol Med Sci** 1984 Jun;62 (Pt 3):341-54

Plasma melatonin during desmethylimipramine treatment: evidence for changes in noradrenergic transmission. Cowen PJ, et al. **Br J Clin Pharmacol** 1985 Jun;19(6):799-805

The effect of diltiazem on noradrenaline release. Wolchinsky C, et al. **Br J Pharmacol** 1985 Jun;85(2):387-93

The substance P receptor subtype modulating catecholamine release from adrenal chromaffin cells. Boksa P, et al. **Brain Res** 1985 Apr 15;332(1):29-38

Correlation between endogenous noradrenaline and glucose released from the liver upon hepatic sympathetic nerve stimulation in anesthetized dogs. Garceau D, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1086-91

Facilitation of noradrenergic transmission by locally generated angiotensin II in guinea-pig isolated atria and in the perfused caudal artery of the rat. Ziogas J, et al. **Clin Exp Pharmacol Physiol** 1984 Jul-Aug;11(4):413-8

Evidence for the involvement of alpha 1-adrenoceptors in negative feedback regulation of noradrenergic transmitter release in rat atria. Story DF, et al. **Clin Sci** 1985;68 Suppl 10:111s-115s

Catecholamine release in coronary sinus during vasospastic angina induced by ergonovine. Mezzetti A, et al. **G Ital Cardiol** 1984 Dec;14(12):1122-6

Effects of captopril on vascular noradrenergic transmission in SHR. Eikenburg DC. **Hypertension** 1984 Sep-Oct; 6(5):660-5

The effects of epinephrine on norepinephrine release in essential hypertension. Nezu M, et al. **Hypertension** 1985 Mar-Apr;7(2):187-95

Interaction of peptides present in perivascular nerves on the smooth muscle of cat cerebral arteries and on the stimulation-evoked efflux of 3H-noradrenaline. Edvinsson L, et al. **J Auton Pharmacol** 1984 Sep;4(3):193-8

The positive inotropic action of isoprenaline is associated with the release of noradrenaline from rabbit, guinea-pig and rat atria. Sarantos-Laska C, et al. **J Auton Pharmacol** 1984 Sep;4(3):175-83

Ischemia-induced local release of myocardial noradrenaline. Abrahamsson T, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S19-22

Neurally mediated and spontaneous release of noradrenaline in the ischemic and reperfused rat heart. Dart AM, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S45-9

Control of myocardial catecholamine release during acute ischemia. Forfar JC, et al. **J Cardiovasc Pharmacol** 1985; 7 Suppl 5:S33-9

Selected aspects of presynaptic modulation of noradrenaline release from the heart. Fuder H. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S2-7 (44 ref.)

Dual effect of adrenaline on noradrenaline release in the pithed rabbit. Majewski H, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):251-7

Modulation of noradrenaline release in the pithed rabbit: a role for angiotensin II. Majewski H, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct;6(5):888-96

Effect of sodium depletion on the release of [3H]norepinephrine from central and peripheral tissue of Wistar-Kyoto and spontaneously hypertensive rats. Meldrum MJ, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb; 7(1):59-65

Angiotensin facilitation of noradrenergic neurotransmission in central tissues of the rat: effects of sodium restriction. Meldrum MJ, et al. **J Cardiovasc Pharmacol** 1984 Nov-Dec; 6(6):989-95

Paradoxical role of neuronal uptake for the locally mediated release of endogenous noradrenaline in the ischemic myocardium. Schömig A, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 5:S40-4

Prostaglandins and myocardial noradrenaline overflow after sympathetic nerve stimulation during ischemia and reperfusion. Schrör K, et al. **J Cardiovasc Pharmacol** 1985; 7 Suppl 5:S50-4

Effects of verapamil on [3H]norepinephrine release. Zsotér TT, et al. **J Cardiovasc Pharmacol** 1984 Nov-Dec; 6(6):1060-6

Metoclopramide increases the release of catecholamines from isolated human phaeochromocytomas. Adler-Graschinsky E, et al. **J Hypertens** 1984 Apr;2(2):127-9

Efflux of 5-hydroxytryptamine and noradrenaline into spinal cord superfusates during stimulation of the rat medulla. Hammond DL, et al. **J Physiol (Lond)** 1985 Feb;359:151-62

Effects of the serotonin agonist, quipazine, on luteinizing hormone and prolactin release: evidence for serotonin-catecholamine interactions. Lynch CO Jr, et al. **Life Sci** 1984 Oct 1;35(14):1481-7

The effects of dihydropyridines on neurotransmitter release from cultured neuronal cells. Shalaby IA, et al. **Life Sci** 1984 Sep 17;35(12):1289-95

Alpha-2 adrenergic regulation of norepinephrine release in the rat submandibular gland as measured by HPLC-EC. Turner JT, et al. **Life Sci** 1984 Sep 24;35(13):1385-94

A kinetic study of the release of noradrenaline by electrical stimulation: influence of presynaptic alpha-adrenoceptors. Brandão F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):248-52

Neuropeptide Y (NPY) reduces field stimulation-evoked release of noradrenaline and enhances force of contraction in the rat portal vein. Dahlöf C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):327-30

Ethylketocyclazocine decreases noradrenaline release and blood pressure in the rabbit at a peripheral opioid receptor. Ensinger H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov; 328(1):20-3

Mechanism of alpha 2-adrenergic inhibition of neuroeffector transmission in the mouse vas deferens. Illes P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):241-7

Noradrenaline uptake inhibitors do not reduce the presynaptic action of clonidine on 3H-noradrenaline release in superfused synaptosomes. Maura G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):86-9

Electrical stimulation of the ventral noradrenergic tract (VNAT) releases hypothalamic noradrenaline and stimulates prolactin secretion in ovariectomized female rats treated with oestrogen. Dean AD, et al. **Neurosci Lett** 1985 Jun 4;57(1):73-8

Substance P given intrathecally at the spinal T9 level increases adrenal output of adrenaline and noradrenaline in the rat. Yashpal K, et al. **Neuroscience** 1985 Jun; 15(2):529-36

Dopamine- and norepinephrine-secreting intrapericardial pheochromocytoma in a normotensive patient. Awoke S, et al. **South Med J** 1985 Aug;78(8):994-8

An unusual complication following the removal of a neuroblastoma. Crafoord J, et al. **Z Kinderchir** 1984 Dec; 39(6):398-9

[Development of adrenergic activity in boys and girls with emotiono-vegetative disorders during puberty] Szewczyk L. **Pediatr Pol** 1984 May;59(5):409-12 (Eng. Abstr.) **(Pol)**

[Pathogenesis of cardiac hypertrophy: the role of noradrenaline] Carillo SV, et al. **Acta Med Port** 1984 Nov-Dec;5(11-12):299-303 (Eng. Abstr.) **(Por)**

[Analysis of the regulation of noradrenaline secretion by autoadrenoreceptors and stimulation frequency] Bazian AS, et al. **Biofizika** 1984 Sep-Oct;29(5):895-8 (Eng. Abstr.) **(Rus)**

[Effect of Na+, K+ and Ca++ ions on catecholamine release in the caudal mesenteric ganglion] Reprintseva VM. **Fiziol Zh SSSR** 1985 May;71(5):561-8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Treatment of shock in a canine model of pulmonary embolism. Molloy WD, et al. **Am Rev Respir Dis** 1984 Nov; 130(5):870-4

An alpha 2 receptor mediates the selective inhibition by noradrenaline of nociceptive responses of identified dorsal horn neurones. Fleetwood-Walker SM, et al. **Brain Res** 1985 May 20;334(2):243-54

Intragastric levarterenol prior to laser phototherapy. Glaser D. **Gastrointest Endosc** 1985 Feb;31(1):51

Noradrenaline in upper gastrointestinal haemorrhage. A prospective, randomized, double blind controlled clinical trial. Sarin SK, et al. **Trop Doct** 1984 Oct;14(4):155-6

[Ambulatory noradrenaline infusion in refractory Shy-Drager syndrome] Kribben A, et al. **Schweiz Rundsch Med Prax** 1985 Apr 16;74(16):407-10 (Eng. Abstr.) **(Ger)**

TOXICITY

[Prostaglandin and cyclic nucleotide content of the ventricular myocardium in noradrenaline damage to the heart] Serov RA, et al. **Kardiologiia** 1985 Feb;25(2):86-90 (Eng. Abstr.) **(Rus)**

URINE

Catecholamine excretion in children in relation to behaviour deviances and psychosocial background factors: a longitudinal study. Cederblad M, et al. **Acta Paedopsychiatr (Basel)** 1984 Oct;50(4):191-200

High urinary norepinephrine excretion in major depressive disorders: effects of a new type of MAO inhibitor (Moclobemide, RO 11-1163). Dajas F, et al. **Acta Psychiatr Scand** 1984 Nov;70(5):432-7

Excretion of urinary catecholamine metabolites in anorexia nervosa: effect of body composition and energy intake. Johnston JL, et al. **Am J Clin Nutr** 1984 Nov;40(5):1001-6

The norepinephrine-to-epinephrine ratio in patients with a history of suicide attempts. Ostroff RB, et al. **Am J Psychiatry** 1985 Feb;142(2):224-7

Stress, catecholamines, and sleep. Harrison GA. **Aviat Space Environ Med** 1985 Jul;56(7):651-3

Urinary excretion of free catecholamines in long-term treatment with dopaminergic agonists. Marek J, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):183-90

Influence of coffee on the excretion of noradrenaline and adrenaline in urine. A pilot study for the comparison of two methodical models. Klimmer F, et al. **Int Arch Occup Environ Health** 1984;54(4):325-34

Excretion of urinary catecholamines and plasma cortisol levels in female nurses on short-rotating shift. Panza G, et al. **Med Lav** 1985 Jan-Feb;76(1):30-4

The influence of NaCl supplementation on the postnatal development of urinary excretion of noradrenaline, dopamine, and serotonin in premature infants. Sulyok E, et al. **Pediatr Res** 1985 Jan;19(1):5-8

Urinary catecholamines and mitral valve prolapse in panic-anxiety patients. Nesse RM, et al. **Psychiatry Res** 1985 Jan;14(1):67-75

Relationship between sleep efficiency and urinary excretion of catecholamines in bed-rested humans. Nishihara K, et al. **Sleep** 1985;8(2):110-7

Behavioural and endocrine reactions in boys scoring high on Sennton neurotic scale viewing an exciting and partly violent movie and the importance of social support. Arnetz BB, et al. **Soc Sci Med** 1985;20(7):731-6

[Excretion of free dopamine, noradrenaline and adrenaline in 190 males in relation to age and blood pressure] Lehmann M, et al. **Klin Wochenschr** 1985 Mar 15;63(6):264-71 (Eng. Abstr.) **(Ger)**

[Urinary catecholamine excretion for the evaluation of physical stress] Bergert KD, et al. **Z Gesamte Hyg** 1984 Jul;30(7):387-8 (Eng. Abstr.) **(Ger)**

[Urinary excretion of catecholamines in children with functional disorders of the digestive system] Szewczyk L, et al. **Pediatr Pol** 1984 Oct;59(10):835-9 (Eng. Abstr.) **(Pol)**

[Catecholaminergic activity in children with nocturnal enuresis] Szewczyk L. **Pediatr Pol** 1984 Oct;59(10):841-5 (Eng. Abstr.) **(Pol)**

[Organ specificity of emotional-vegetative disorders and the activity of the adrenergic system] Szewczyk L. **Pediatr Pol** 1984 Jul;59(7):581-6 (Eng. Abstr.) **(Pol)**

[Activity of the adrenergic system in children with psychogenic headache] Szewczyk L, et al. **Pediatr Pol** 1984 Jul;59(7):587-90 (Eng. Abstr.) **(Pol)**

[Catecholaminergic activity and emotional state of children with functional disorders of the circulatory system] Szewczyk L, et al. **Pediatr Pol** 1984 Aug;59(8):639-44 (Eng. Abstr.) **(Pol)**

[Circadian rhythms of adrenaline and noradrenaline excretion in man in normal conditions and after alcohol intake] Latenkov VP. **Biull Eksp Biol Med** 1985 Mar;99(3):344-6 (Eng. Abstr.) **(Rus)**

[Informativeness of adrenograms in neuroses] Vasil'ev VN, et al. **Klin Med (Mosk)** 1984 Sep;62(9):72-3 (Eng. Abstr.) **(Rus)**

[Effect of physical exertion on the activity of the humoral pressor systems and electrolytes in the initial stages of arterial hypertension] Liusov VA, et al. **Sov Med** 1985; (2):3-9 (Eng. Abstr.) **(Rus)**

[Normal values of dopamine, noradrenaline, adrenaline, and 5-hydroxyindoleacetic acid in pregnancies of different gestational ages] Lerdo de Tejada A, et al. **Ginecol Obstet Mex** 1985 Feb;53(334):49-52 (Eng. Abstr.) **(Spa)**

NORETHANDROLONE

THERAPEUTIC USE

A study of the efficacy of 5 alpha- and 5 beta-androstanes in chronic experimental aplastic anemia in mice. Najean Y, et al. **Nouv Rev Fr Hematol** 1984;26(6):391-6

[Effects of weakly androgenic anabolic steroids on growth in Turner's syndrome] Muritano MR, et al. **Arch Fr Pediatr** 1985 Apr;42(4):265-71 (Eng. Abstr.) **(Fre)**

[Treatment of pituitary nanism: is it necessary to treat adrenal androgen deficiency?] Rolland A, et al. **Arch Fr Pediatr** 1984 Jun-Jul;41(6):381-4 (Eng. Abstr.) **(Fre)**

NORETHINDRONE

Tri-Norinyl and Ortho-Novum 7/7/7—two triphasic oral contraceptives. **Med Lett Drugs Ther** 1984 Oct 12; 26(672):93-4

ADMINISTRATION & DOSAGE

Effect of long-term administration of norethisterone (a progestogen-only contraceptive) on the female genital tract of the albino rat. Maiti BR, et al. **Acta Physiol Pol** 1984 Jan-Feb;35(1):23-33

Effect of chronic treatment of norethisterone (a progestogen-only contraceptive) on preputial gland activity of the female rat. Sahu A, et al. **Acta Physiol Pol** 1984 Jan-Feb;35(1):35-9

Norethisterone oenanthate as an injectable contraceptive in two treatment schedules in interval subjects. Gulati K, et al. **Asia Oceania J Obstet Gynaecol** 1984 Sep;10(3):281-6

Multicenter clinical trial of implanted norethindrone pellets for long-acting contraception in women. Program for Applied Research on Fertility Regulation. **Contraception** 1984 Sep;30(3):239-52

Development of a low-dose monthly injectable contraceptive system: I. Choice of compounds, dose and administration route. Garza-Flores J, et al. **Contraception** 1984 Oct; 30(4):371-9

Contraception with progestagens in systemic lupus erythematosus. Mintz G, et al. **Contraception** 1984 Jul; 30(1):29-38

[Metastatic breast cancer: controlled trial of chemotherapy with and without hormones] Jouve M, et al. **Bull Cancer (Paris)** 1984;71(5):432-41 (Eng. Abstr.) **(Fre)**

[Effects of a tamoxifen-norethisterone combination in 16 patients with hepatocellular carcinoma (letter)] Trinchet JC, et al. **Gastroenterol Clin Biol** 1985 May;9(5):455-6 **(Fre)**

ADVERSE EFFECTS

The relation between Trichomonas vaginalis and contraceptive measures. el-Boulaqi HA, et al. **J Egypt Soc Parasitol** 1984 Dec;14(2):495-9

[Monogest in gynecologic practice] Seget'a J. **Cesk Gynekol** 1984 Aug;49(7):496-9 **(Cze)**

ANALOGS & DERIVATIVES

A continuous estrogen-progestogen regimen for climacteric complaints. Effects on lipid and lipoprotein metabolism. Mattsson LA, et al. **Acta Obstet Gynecol Scand** 1984; 63(8):673-7

Estrogen-progestogen replacement in climacteric women, particularly as regards a new type of continuous regimen. Mattsson LA, et al. **Acta Obstet Gynecol Scand [Suppl]** 1985;130:53-8

Continuous treatment with a combination of estrogen and gestagen--a way of avoiding endometrial stimulation. Clinical experiences with Kliogest. Staland B. **Acta Obstet Gynecol Scand [Suppl]** 1985;130:29-35

A prospective controlled study of the effect on blood pressure of contraceptive preparations containing different types and dosages of progestogen. Wilson ES, et al. **Br J Obstet Gynaecol** 1984 Dec;91(12):1254-60

Are there any absolute medical contraindications to the progestogen only oral contraceptive? [letter] Guillebaud J. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1079

Injectable contraception. Elder MG. **Clin Obstet Gynaecol** 1984 Dec;11(3):723-41

Comparative evaluation of contraceptive efficacy of norethisterone oenanthate (200 mg) injectable contraceptive given every two or three monthly. Indian Council of Medical Research Task Force on Hormonal Contraception. Banerjee SK, et al. **Contraception** 1984 Dec; 30(6):561-74

Return to ovulation following the use of long-acting injectable contraceptives: a comparative study. Garza-Flores J, et al. **Contraception** 1985 Apr;31(4):361-6

Pharmacokinetics, pharmacodynamic and endometrial effects of a single dose of 200 mg norethisterone enanthate. Zalányi S, et al. **Contraception** 1984 Sep;30(3):225-37

Cyclic changes in ciliation, cell height, and mitotic activity in human tubal epithelium during reproductive life. Donnez J, et al. **Fertil Steril** 1985 Apr;43(4):554-9

Kinetics of chloroquine & contraceptive steroids in oral contraceptive users during concurrent chloroquine prophylaxis. Gupta KC, et al. **Indian J Med Res** 1984 Dec; 80:658-62

Stereospecificity of the intracellular binding of norethisterone and its A-ring reduced metabolites. Chávez BA, et al. **J Steroid Biochem** 1985 Jan;22(1):121-6

Effect on lipoproteins of Trisequens, a combined hormone preparation. Fletcher CD, et al. **Maturitas** 1984 Nov; 6(3):279-83

Cyclic therapy resulted in pregnancy in premature ovarian failure. Ohsawa M, et al. **Obstet Gynecol** 1985 Sep;66(3 Suppl):64S-67S

7 alpha-Methylnorethindrone enanthate 10 beta-hydroperoxide: isolation and characterization. DiNunno CM, et al. **Steroids** 1983 Oct;42(4):401-8

[Hormonal contraceptives in female rowers] Lisý Z. **Cas Lek Cesk** 1984 Aug 31;123(35):1086-90 (Eng. Abstr.) **(Cze)**

[Effectiveness of injectable contraceptives in Mexican women] Garza-Flores J, et al. **Bol Of Sanit Panam** 1985 Feb;98(2):181-6 (Eng. Abstr.) **(Spa)**

[Injectable contraception using depot progestagens] Velasco Murillo V, et al. **Ginecol Obstet Mex** 1983 Jul;51(315):191-7 (Eng. Abstr.) **(Spa)**

[Use and effectiveness of norethisterone enanthate for family planning in a rural area] Velasco Murillo V, et al. **Ginecol Obstet Mex** 1983 Jun;51(314):163-7 (Eng. Abstr.) **(Spa)**

BLOOD

Plasma levels of levonorgestrel, gestodene, norethisterone and cyproterone acetate on single-dose subcutaneous administration in oily solution in the rat, beagle and rhesus monkey. Düsterberg B. **Steroids** 1984 Jan;43(1):43-56

METABOLISM

Stereospecificity of the intracellular binding of norethisterone and its A-ring reduced metabolites. Chávez BA, et al. **J Steroid Biochem** 1985 Jan;22(1):121-6

PHARMACODYNAMICS

The effect of synthetic ovarian hormones on an in vivo model of thrombosis in the rat. Emms H, et al. **Br J Pharmacol** 1985 Jan;84(1):243-8

Phase I comparative clinical trial with subdermal implants--bioabsorbable levonorgestrel or norethisterone pellet fused with cholesterol. Joshi UM, et al. **Contraception** 1985 Jan;31(1):71-82

Norethisterone and ethinylestradiol do not inhibit delta 5-3 beta-hydroxysteroid dehydrogenase in rat Leydig cells. Zeillinger R, et al. **Endocrinol Exp (Bratisl)** 1984 Sep; 18(3):141-50

Effect of long-term treatment of norethisterone on the ovary of the cycling albino rat. Sahu A, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):203-10

Effects of oral contraceptive steroids (norethisterone/mestranol) on the activities of hepatic drug-metabolizing enzymes in iron-deficient anemic rats. Mizokami K, et al. **Experientia** 1985 Jun 15;41(6):734-6

Effect of intranasal administration of norethisterone and progesterone on pituitary and gonadal function in adult male and female bonnet monkeys (Macaca radiata). Moudgal RN, et al. **Fertil Steril** 1985 Jul;44(1):120-4

Rationale for a triphasic oral contraceptive. Pasquale SA. **J Reprod Med** 1984 Jul;29(7 Suppl):560-7

Effects of norethisterone on coagulation and fibrinolysis in Asian women. Tsakok FH, et al. **Singapore Med J** 1984 Dec;25(6):442-8

[Ultrastructure of cells of hyperplastic endometrium after the direct impact of gestagens] Beliaeva LA, et al. **Akush Ginekol (Mosk)** 1984 Nov;(11):20-4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Gestagens in the management of prostatic carcinoma. Szendröi Z. **Int Urol Nephrol** 1984;16(4):327-35

Primary treatment of endometrial cancer with progestagen alone [letter] Thornton JG, et al. **Lancet** 1985 Jul 27; 2(8448):207-8

Amenorrhea and endometrial atrophy with continuous oral estrogen and progestogen therapy in postmenopausal women. Magos AL, et al. **Obstet Gynecol** 1985 Apr; 65(4):496-9

[Progress in oral contraception. Advantages of a levonorgestrel-containing 3-stage preparation over low-dose levonorgestrel and desogestrel containing monophasic combination preparations] Lachnit-Fixson U. **Fortschr Med** 1984 Sep 6;102(33):825-30 (Eng. Abstr.) **(Ger)**

[Effect of a new hormonal contraceptive (Neo-Eunomin) in females with androgenization symptoms] Kaiser E. **Geburtshilfe Frauenheilkd** 1984 Oct;44(10):651-5 (Eng. Abstr.) **(Ger)**

[Platelet aggregation during the intake of sex steroids in patients with dysfunctional uterine hemorrhages in the climacteric] Marchenko LA. **Sov Med** 1985;(4):94-8 **(Rus)**

TOXICITY

Unscheduled DNA synthesis caused by norethindrone and related contraceptive steroids in short-term male rat hepatocyte cultures. Blakey DC, et al. **Carcinogenesis** 1985 Aug;6(8):1201-5

NORETHISTERONE see **NORETHINDRONE**

NORETHYNODREL

PHARMACODYNAMICS

Effect of a steroidal oral contraceptive on intestinal absorptive functions in proteins deficient rat. Nagpaul JP, et al. **Biochem Int** 1985 Feb;10(2):273-81

Effect of contraceptive steroids on metabolism of glutamic acid & GABA in rat brain. Rao IM, et al. **Indian J Med Res** 1984 Nov;80:577-82

NORFENFLURAMINE see under **FENFLURAMINE**

NORGESTOMET see under **PREGNENEDIONES**

NORGESTREL

Serum lipid and lipoprotein changes induced by new oral contraceptives containing ethinylestradiol plus levonorgestrel or desogestrel. Gaspard UJ, et al. **Contraception** 1985 Apr;31(4):395-408

Estrogen treatment for victims of rape [letter] **N Engl J Med** 1985 Apr 11;312(15):988-9

[Post-coital contraception using a combination of d-norgestrel and ethinyloestradiol] Chi Nguyen Duy, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(4):523-6 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Long-term reversible contraception with levonorgestrel-releasing Silastic rods [letter] Gupta GN. **Am J Obstet Gynecol** 1985 Mar 15;151(6):827

Clinical chemistry in women treated with six levonorgestrel covered rods or with a copper IUD. Díaz S, et al. **Contraception** 1985 Apr;31(4):321-30

Long-term experience with Norplant contraceptive implants in Finland. Holma P. **Contraception** 1985 Mar;31(3):231-41

Immediate postabortal contraception with Norplant: levonorgestrel, gonadotropin, estradiol, and progesterone levels over two postabortal months and return of fertility after removal of Norplant capsules. Kurunmäki H, et al. **Contraception** 1984 Nov;30(5):431-42

Contraception with progestagens in systemic lupus erythematosus. Mintz G, et al. **Contraception** 1984 Jul; 30(1):29-38

Contraception with long-acting subdermal implants. A five-year clinical trial with Silastic covered rod implants containing levonorgestrel. The International Committee for Contraception Research (ICCR) of the Population Council. Robertson DN, et al. **Contraception** 1985 Apr;31(4):351-9

Hormonal changes during the first year of use of subdermal levonoregestrel implants, Norplant. Shaaban MM, et al. **Contraception** 1984 Nov;30(5):391-405

Intrauterine contraception with copper and with levonorgestrel: a randomized study of the TCu 380Ag and levonorgestrel 20 mcg/day devices. Sivin I, et al. **Contraception** 1984 Nov;30(5):443-56

Interception II: postcoital low-dose estrogens and norgestrel combination in 633 women. Van Santen MR, et al. **Contraception** 1985 Mar;31(3):275-93

A comparison of high-dose estrogens versus low-dose ethinylestradiol and norgestrel combination in postcoital interception: a study in 493 women. Van Santen MR, et al. **Fertil Steril** 1985 Feb;43(2):206-13

A gonadotropin and alpha-subunit suppression test for the assessment of the ectopic production of human chorionic gonadotropin and its subunits after the menopause. Papapetrou PD, et al. **J Clin Endocrinol Metab** 1985 Jun; 60(6):1187-95

The effect of low-dose piperazine oestrone sulphate and low-dose levonorgestrel on blood lipid levels in post-menopausal women. Wren B, et al. **Maturitas** 1985 Jul;7(2):141-6

[Clinical evaluation of Rigevidon used for contraception] Marianowski L, et al. **Ginekol Pol** 1984 Aug;55(8):631-5 (Eng. Abstr.) **(Pol)**

[Regulation of fertility by means of vaginal rings medicated with estradiol and levonorgestrel] Díaz S, et al. **Rev Chil Obstet Ginecol** 1982;47(4):266-73 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Mesenteric vein thrombosis associated with oral contraceptive administration during pregnancy. Friedman M, et al. **Ann Chir Gynaecol** 1984;73(5):296-8

Retinal manifestations of thrombotic thrombocytopenic purpura (TTP) following use of contraceptive treatment. Snir M, et al. **Ann Ophthalmol** 1985 Feb;17(2):109-12

Pulmonary hypertension, systemic lupus erythematosus, and the contraceptive pill. Todd GR, et al. **Ann Rheum Dis** 1985 Apr;44(4):266-7

Vitamin metabolism and the effects of multivitamin supplementation in oral contraceptive users. Amatayakul K, et al. **Contraception** 1984 Aug;30(2):179-96

Anovulation, inadequate luteal phase and poor sperm penetration in cervical mucus during prolonged use of Norplant implants. Brache V, et al. **Contraception** 1985 Mar;31(3):261-73

Effect of subdermal levonorgestrel contraceptive implants, Norplant, on serum lipids. Shaaban MM, et al. **Contraception** 1984 Nov;30(5):413-9

Effect of levonorgestrel contraceptive implants, Norplant, on blood coagulation. Shaaban MM, et al. **Contraception** 1984 Nov;30(5):421-30

Effect of subdermal levonorgestrel contraceptive implants, Norplant, on liver functions. Shaaban MM, et al. **Contraception** 1984 Nov;30(5):407-12

[Correlation between thrombolytic therapy and liver rupture?] Pansold E, et al. **Z Arztl Fortbild (Jena)** 1985; 79(13):575-6 **(Ger)**

[Hepatoblastoma in an infant after Estroprogestational intake by the mother during pregnancy] Pilotti G, et al. **Pediatr Med Chir** 1984 Mar-Apr;6(2):323-5 (Eng. Abstr.) **(Ita)**

[Carpal tunnel syndrome caused by oral contraceptives (letter)] Tordesillas Lia C, et al. **Rev Clin Esp** 1985 Jun; 177(1):46 **(Spa)**

ANTAGONISTS & INHIBITORS

S-adenosyl-L-methionine antagonizes oral contraceptive-induced bile cholesterol supersaturation in healthy women: preliminary report of a controlled randomized trial. Di Padova C, et al. **Am J Gastroenterol** 1984 Dec;79(12):941-4

BLOOD

The interaction between sex hormone binding globulin and levonorgestrel released from vaginal rings in women.

Cekan SZ, et al. **Contraception** 1985 Apr;31(4):431-9

Effect of dose on the pharmacokinetics of levonorgestrel in the rat during the rapid elimination phase following subcutaneous administration. Naqvi RH, et al. **Contraception** 1984 Dec;30(6):599-605

Pharmacokinetics of levonorgestrel in the rat. Naqvi RH, et al. **Contraception** 1984 Jul;30(1):81-8

Absorption of an oral contraceptive gestagen in ulcerative colitis before and after proctocolectomy and construction of a continent ileostomy. Nilsson LO, et al. **Contraception** 1985 Feb;31(2):195-204

Species differences in levonorgestrel binding to serum proteins of monkey, rabbit and rat blood. Srivastava AK, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):218-22

Plasma levels of levonorgestrel, gestodene, norethisterone and cyproterone acetate on single-dose subcutaneous administration in oily solution in the rat, beagle and rhesus monkey. Düsterberg B. **Steroids** 1984 Jan;43(1):43-56

DIAGNOSTIC USE

Effects of levonorgestrel and desogestrel in low-dose oral contraceptive combinations on serum lipids, apolipoproteins A-I and B and glycosylated proteins. Bergink EW, et al. **Contraception** 1984 Jul;30(1):61-72

Effect of a new contraceptive ring releasing 20 micrograms levonorgestrel daily on blood lipid levels and glucose tolerance. Elder MG, et al. **Contraception** 1984 Jul;30(1):55-60

PHARMACODYNAMICS

Hypotriglyceridemic effects of levonorgestrel in rats. Khokha R, et al. **Atherosclerosis** 1984 Sep;52(3):329-38

Phase I comparative clinical trial with subdermal implants--bioabsorbable levonorgestrel or norethisterone pellet fused with cholesterol. Joshi UM, et al. **Contraception** 1985 Jan;31(1):71-82

Fibrinolytic activity in plasma and vessels of the hind leg in rats treated with ethinylestradiol and D-norgestrel. Kjaeldgaard A, et al. **Contraception** 1984 Aug;30(2):169-78

Regulatory effect of contraceptive steroids on the release of tissue-type plasminogen activator in vitro. Kjaeldgaard A, et al. **Contraception** 1984 Oct;30(4):355-62

Biological, microscopic and scanning electron microscopic investigations of the effects of postinor /d-norgestrel/ in rabbits. Ugocsai G, et al. **Contraception** 1984 Aug;30(2):153-9

The effects of two gonane progestins alone and in combination with ethinyl estradiol on serum lipoproteins. Crona N, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Jun;19(6):365-74

Effects of desogestrel, levonorgestrel and lynestrenol on serum sex hormone binding globulin, cortisol binding globulin, ceruloplasmin and HDL-cholesterol. Ruokonen A, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Jul;20(1):13-8

Effect of different combinations of ethinyl estradiol & levonorgestrel on plasma lipids including high-density lipoprotein cholesterol. Mandal B, et al. **Indian J Med Res** 1985 Apr;81:382-6

Effect of low-dose oral contraceptives on lipoproteins and lipolytic enzymes: differences between two commonly used preparations. Leuven JA, et al. **Metabolism** 1984 Nov;33(11):1039-42

Ethinylestradiol and d-norgestrel regulation of plasminogen activator in a human melanoma cell line. Kjaeldgaard A, et al. **Thromb Res** 1984 Dec 15;36(6):591-7

[Hormonal contraceptives in female rowers] Lisý Z. **Cas Lek Cesk** 1984 Aug 31;123(35):1086-90 (Eng. Abstr.) **(Cze)**

[Chromosome analysis of female baboons following treatment with STS 557 and levonorgestrel] Strecke J, et al. **Zentralbl Gynakol** 1985;107(5):304-7 (Eng. Abstr.) **(Ger)**

[Effect of a combined oral contraceptive on lactation and growth of the infant] Peralta O, et al. **Rev Chil Obstet Ginecol** 1983;48(5):372-80 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Triphasil--a new triphasic oral contraceptive. **Med Lett Drugs Ther** 1985 May 24;27(688):48

Results of a multicentre trial of Postinor. Seregély G. **Ther Hung** 1982;30(2):72-8

[Progress in oral contraception. Advantages of a levonorgestrel-containing 3-stage preparation over low-dose levonorgestrel and desogestrel containing monophasic combination preparations] Lachnit-Fixson U. **Fortschr Med** 1984 Sep 6;102(33):825-30 (Eng. Abstr.) **(Ger)**

[Experiences with levonorgestrel in postcoital contraception] Canzler E, et al. **Zentralbl Gynakol** 1984;106(17):1182-91 (Eng. Abstr.) **(Ger)**

NORGESTRIENONE see under **NORPREGNATRIENES**

NORLEUCINE see under **AMINOCAPROIC ACIDS**

NORMAL RANGE see **REFERENCE VALUES**

NORMAL SERUM GLOBULIN THERAPY see **IMMUNIZATION, PASSIVE**

NORMAL VALUES see **REFERENCE VALUES**

NORMETANEPHRINE

ANALYSIS

[The sympathetic nervous system and hypertension--metabolites of norepinephrine, 3-methoxy-4-hydroxyphenylglycol sulfate and normetanephrine] Xie SW. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep;12(3):180-3, 238 (Eng. Abstr.) **(Chi)**

METABOLISM

Normetanephrine and metanephrine oxidized by both types of monoamine oxidase. Suzuki O, et al. **Experientia** 1985 May 15;41(5):634-6

Effects of clorgyline and (-)deprenyl on the deamination of normetanephrine and noradrenaline in strips and homogenates of the canine saphenous vein. Caramona MM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):396-400

PHARMACODYNAMICS

Postjunctional Origin of the indirect-like sympathomimetic effect of metanephrine and normetanephrine on blood pressure. Rodríguez-Méndez SA, et al. **Rev Esp Fisiol** 1984 Dec;40(4):469-75

NORPREGNADIENES

CHEMICAL SYNTHESIS

[Synthesis of an oral contraceptive quingestanol] Han GD, et al. **Yao Hsueh Hsueh Pao** 1983 Nov;18(11):862-4 (Eng. Abstr.) **(Chi)**

METABOLISM

Characterization of estrogen-induced progestin binding in cytosol of the R3327 prostatic carcinoma of the rat. Mobbs BG, et al. **J Steroid Biochem** 1985 Jan;22(1):57-62

[Studies of progestin specific binding protein in the human prostate (II): The possibility of non-specific binding protein disturbance for the accurate quantitative assay of 4S specific binding protein] Imai K, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Feb 20;61(2):120-9 (Eng. Abstr.) **(Jpn)**

[Studies of progestin specific binding protein in the human prostate [I]: Studies on basic conditions for the accurate quantitative assay method] Imai K, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Aug 20;60(8):950-63 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

A progestin effect on lactate dehydrogenase in the human breast cancer cell line T-47D. Hagley RD, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):520-4

The nuclear-bound form of the progesterone receptor is generated through a hormone-dependent phosphorylation. Logeat F, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):421-7

Growth inhibition and increase of insulin receptors in antiestrogen-resistant T47DCO human breast cancer cells by progestins: implications for endocrine therapies. Horwitz KB, et al. **Cancer Res** 1985 Jan;45(1):167-73

THERAPEUTIC USE

[Clinical use of promegestone, a progestational agent with high specificity for receptors] Brun G, et al. **Rev Fr Gynecol Obstet** 1984 May;79(5):423-6 **(Fre)**

TOXICITY

Effect of potent antiglucocorticoids on dexamethasone induced enzymes in cultured hepatoma and rat liver cells. Santana MA, et al. **Cancer Lett** 1985 Jul;27(3):329-37

NORPREGNATRIENES

THERAPEUTIC USE

Treatment of fibrocystic disease of the breast with gestrinone, a new trienic synthetic steroid with anti-estrogen, anti-progesterone properties. Coutinho EM, et al. **Int J Gynaecol Obstet** 1984 Oct;22(5):363-6

[Gestrinone in the treatment of endometriosis] Presl J. **Cesk Gynekol** 1985 Jul;50(6):426-8 **(Cze)**

[Medical treatment of endometriosis] Sugimoto O. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 May;37(5):814-9 **(Jpn)**

NORPREGNENES

Serum lipid and lipoprotein changes induced by new oral contraceptives containing ethinylestradiol plus levonorgestrel or desogestrel. Gaspard UJ, et al. **Contraception** 1985 Apr;31(4):395-408

Contraception with subdermal ST-1435 capsules: side-effects, endocrine profiles and liver function related to different lengths of capsules. Kurunmäki H, et al. **Contraception** 1985 Mar;31(3):305-18

A non-chromatographic radioimmunoassay for 3-oxo desogestrel. Shaw MA, et al. **J Steroid Biochem** 1985 Jan;22(1):111-3

ADVERSE EFFECTS

Comparative metabolic effects of oral contraceptive preparations containing different progestagens. Effects of desogestrel + ethinylestradiol on the haemostatic balance. Rákóczi I, et al. **Arzneimittelforsch** 1985;35(3):630-3

Fibrinopeptide A plasma levels during low-estrogen oral contraceptive treatment. Melis GB, et al. **Contraception** 1984 Dec;30(6):575-83

BLOOD

Intestinal absorption of ST-1435 in rats. Lähteenmäki PL. **Contraception** 1984 Aug;30(2):143-51

Pharmacokinetic observations on ST-1435 administered subcutaneously and intravaginally. Lähteenmäki PL, et al. **Contraception** 1984 Oct;30(4):381-9

A non-chromatographic radioimmunoassay for 3-oxo desogestrel. Shaw MA, et al. **J Steroid Biochem** 1985 Jan;22(1):111-3

Plasma levels of levonorgestrel, gestodene, norethisterone and cyproterone acetate on single-dose subcutaneous administration in oily solution in the rat, beagle and rhesus monkey. Düsterberg B. **Steroids** 1984 Jan;43(1):43-56

DIAGNOSTIC USE

Effects of levonorgestrel and desogestrel in low-dose oral contraceptive combinations on serum lipids, apolipoproteins A-I and B and glycosylated proteins. Bergink EW, et al. **Contraception** 1984 Jul;30(1):61-72

Androgenic, anabolic, estrogenic and antiestrogenic effects of desogestrel and lynestrenol: effects on serum proteins and vaginal cytology. Cullberg G. **Contraception** 1984 Jul;30(1):73-9

PHARMACODYNAMICS

Endocrinological studies with (7 alpha, 17 alpha)-17-hydroxy-7-methyl-19-norpregn- 5(10)-en-20-y (Org OD 14). de Visser J, et al. **Arzneimittelforsch** 1984;34(9):1010-7

Effects of two progestins with different androgenic properties on hepatic endothelial lipase and high density lipoprotein2. Kuusi T, et al. **Atherosclerosis** 1985 Mar;54(3):251-62

The blood pressure and metabolic effects of 19-nor-deoxycorticosterone and 19-nor-progesterone in sheep. Spence CD, et al. **Clin Exp Hypertens [A]** 1984;6(9):1591-600

Mineralocorticoid activity of 19-nor-corticosterone and 19-nor-progesterone in the toad bladder. Schiff MJ, et al. **Endocrinology** 1984 Oct;115(4):1235-8

The effects of two gonane progestins alone and in combination with ethinyl estradiol on serum lipoproteins. Crona N, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Jun;19(6):365-74

Effects of desogestrel, levonorgestrel and lynestrenol on serum sex hormone binding globulin, cortisol binding globulin, ceruloplasmin and HDL-cholesterol. Ruokonen A, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Jul;20(1):13-8

Concentration-dependent mechanisms of ovulation inhibition by the progestin ST-1435. Lähteenmäki PL, et al. **Fertil Steril** 1985 Jul;44(1):20-4

Progestagens and high-density lipoproteins [letter] Godsland IF, et al. **Lancet** 1984 Dec 15;2(8416):1406

Apolipoprotein A1 levels in oophorectomized women treated with Org OD 14, oestradiol valerate and a placebo. Crona N, et al. **Maturitas** 1984 Dec;6(4):335-9

Org OD 14: long-term effects on serum lipoproteins. Farish E, et al. **Maturitas** 1984 Nov;6(3):297-9

Short-term effects of desogestrel and ethinyloestradiol on serum proteins in women. Käär K, et al. **Scand J Clin Lab Invest** 1984 Nov;44(7):623-7

THERAPEUTIC USE

Effects of a low-dose desogestrel-ethinylestradiol combination on hirsutism, androgens and sex hormone binding globulin in women with a polycystic ovary syndrome. Cullberg G, et al. **Acta Obstet Gynecol Scand** 1985;64(3):195-202

Lipid metabolic studies in women with a polycystic ovary syndrome during treatment with a low-dose desogestrel-ethinylestradiol combination. Cullberg G, et al. **Acta Obstet Gynecol Scand** 1985;64(3):203-7

Pharmacodynamic studies on desogestrel administered alone and in combination with ethinylestradiol. Cullberg G. **Acta Obstet Gynecol Scand [Suppl]** 1985;133:1-30

The treatment of hirsutism with a combination of desogestrel and ethinyl oestradiol. Dewis P, et al. **Clin Endocrinol (Oxf)** 1985 Jan;22(1):29-36

[Comparison of a 2-phase preparation (Oviol 22) with a low-dose 1-phase preparation (Ovoresta M)] Dik M, et al. **Geburtshilfe Frauenheilkd** 1984 Dec;44(12):808-12 (Eng. Abstr.) (Ger)

NORPREGNENINOLONE see **NORETHINDRONE**

NORPROGESTERONES see under **NORPREGNENES**

NORSYNEPHRINE

ANALOGS & DERIVATIVES

The effects in myometrial preparations of D2343, a beta 2-adrenoceptor agonist possessing alpha 1-receptor blocking qualities. Olsson OA, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Nov;55(5):391-7

The effect of D2343 in transmurally stimulated rabbit isthmus muscle. Olsson OA, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 May;56(5):427-30

A new beta 2-adrenoceptor agonist--D 2343--with long duration. Inhalation comparison with terbutaline in asthmatics. Löfdahl CG, et al. **Allergy** 1984 Aug;39(6):485-9

Quantitative measurement of octopamines and synephrines in urine using capillary column gas chromatography negative ion chemical ionization mass spectrometry. Ibrahim KE, et al. **Anal Chem** 1984 Aug;56(9):1695-9

ANALYSIS

Octopamine distribution in the tsetse fly Glossina morsitans. Pimley RW, et al. **Comp Biochem Physiol [C]** 1985;81(2):297-301

m-Octopamine: normal occurrence with p-octopamine in mammalian sympathetic nerves. Ibrahim KE, et al. **J Neurochem** 1985 Jun;44(6):1862-7

Prenatal ontogenesis of p-, m-octopamine and phenylethanolamine in relation to catecholamines and their metabolizing enzymes in the developing rat brain and heart. David JC, et al. **Neuroscience** 1984 Aug;12(4):1271-6

METABOLISM

The brain octopamine and phenylethanolamine content in rats in thioacetamide-induced hepatogenic encephalopathy. Hilgier W, et al. **Acta Neurol Scand** 1985 Mar;71(3):195-8

Receptors for 3H-octopamine in the adult firefly light organ. Hashemzadeh H, et al. **Life Sci** 1985 Aug 5;37(5):433-40

Octopamine in invertebrates and vertebrates. A review. David JC, et al. **Prog Neurobiol** 1985;24(2):141-85 (324 ref.)

PHARMACODYNAMICS

Influence of octopamine on trehalase activity in muscle and hemolymph of the American cockroach, Periplaneta americana L. Jahagirdar AP, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):177-83

Octopamine- and dopamine-sensitive adenylate cyclase in the brain of Locusta migratoria during its development. Hiripi L, et al. **Cell Mol Neurobiol** 1984 Sep;4(3):199-206

Stimulation by octopamine of the sodium efflux in barnacle muscle fibres. Bittar R, et al. **Comp Biochem Physiol [C]** 1984;79(1):227-9

Regulation of neurohormone release in the fiddler crab, Uca pugilator: effects of gamma-aminobutyric acid, octopamine, Met-enkephalin, and beta-endorphin. Quackenbush LS, et al. **Comp Biochem Physiol [C]** 1984;79(1):77-84

Octopamine and chlordimeform enhance sensory responsiveness and production of the flight motor pattern in developing and adult moths. Kinnamon SC, et al. **J Neurobiol** 1984 Jul;15(4):283-93

Octopamine enhances neuromuscular transmission in developing and adult moths, Manduca sexta. Klaassen LW, et al. **J Neurobiol** 1985 May;16(3):227-43

Central nervous sensitization and dishabituation of reflex action in an insect by the neuromodulator octopamine. Sombati S, et al. **J Neurobiol** 1984 Nov;15(6):455-80

Octopamine enhances dark-adaptation in Limulus ventral photoreceptors. O'Day PM, et al. **J Neurosci** 1985 Jun;5(6):1490-6

Phenyliminoimidazolidines. Characterization of a class of potent agonists of octopamine-sensitive adenylate cyclase and their use in understanding the pharmacology of octopamine receptors. Nathanson JA. **Mol Pharmacol** 1985 Sep;28(3):254-68

Effects of octopamine on GABA-ergic transmission in rats. Jagiełło-Wójtowicz E, et al. **Pol J Pharmacol Pharm** 1984 Nov-Dec;36(6):595-601

Characterization of octopamine-sensitive adenylate cyclase: elucidation of a class of potent and selective octopamine-2 receptor agonists with toxic effects in insects. Nathanson JA. **Proc Natl Acad Sci USA** 1985 Jan;82(2):599-603

PHYSIOLOGY

Evidence for octopaminergic modulation of an insect visceral muscle. Orchard I, et al. **J Neurobiol** 1985 May;16(3):171-81

Generation of specific behaviors in a locust by local release into neuropil of the natural neuromodulator octopamine. Sombati S, et al. **J Neurobiol** 1984 Nov;15(6):481-506

URINE

Effect of 6-hydroxydopamine on the metabolism of endogenous octopamines and catecholamines. Ibrahim KE, et al. **J Pharm Pharmacol** 1985 Jul;37(7):496-7

NORTESTOSTERONE see **NANDROLONE**

NORTRIPTYLINE

ADMINISTRATION & DOSAGE

Dose and plasma levels of nortriptyline and chlorpromazine in delusionally depressed adolescents and of nortriptyline in nondelusionally depressed adolescents. Geller B, et al. **Am J Psychiatry** 1985 Mar;142(3):336-8

Two prospective dosing methods for nortriptyline. Perry PJ, et al. **Clin Pharmacokinet** 1984 Nov-Dec;9(6):555-63

ADVERSE EFFECTS

Nortriptyline-induced severe hyperventilation. Sunderrajan S, et al. **Arch Intern Med** 1985 Apr;145(4):746-7

ANALOGS & DERIVATIVES

Plasma 10-hydroxynortriptyline and ECG changes in elderly depressed patients. Young RC, et al. **Am J Psychiatry** 1985 Jul;142(7):866-8

Plasma concentrations of nortriptyline and its 10-hydroxy metabolite in depressed patients--relationship to the debrisoquine hydroxylation metabolic ratio. Nordin C, et al. **Br J Clin Pharmacol** 1985 Jun;19(6):832-5

Weak binding of 10-hydroxymetabolites of nortriptyline to rat brain muscarinic acetylcholine receptors. Wägner A, et al. **Life Sci** 1984 Sep 24;35(13):1379-83

BLOOD

Serial ECG measurements at controlled plasma levels of nortriptyline in depressed children. Geller B, et al. **Am J Psychiatry** 1985 Sep;142(9):1095-7

Plasma concentrations of nortriptyline and its 10-hydroxy metabolite in depressed patients--relationship to the debrisoquine hydroxylation metabolic ratio. Nordin C, et al. **Br J Clin Pharmacol** 1985 Jun;19(6):832-5

Prediction of steady-state nortriptyline plasma levels by the repeated one-point method. Fant WK, et al. **Clin Pharmacokinet** 1984 Sep-Oct;9(5):450-6

Monitoring plasma concentration of nortriptyline. Methodological, pharmakokinetic and clinical aspects. Kragh-Sørensen P. **Dan Med Bull** 1985 Mar;32(1):29-53

Plasma nortriptyline and clinical response in depression. Murphy GE, et al. **J Affective Disord** 1985 Mar-Apr;8(2):123-9

Child and adolescent nortriptyline single dose kinetics predict steady state plasma levels and suggested dose: preliminary data. Geller B, et al. **J Clin Psychopharmacol** 1985 Jun;5(3):154-8

CEREBROSPINAL FLUID

Cerebrospinal fluid levels of amitriptyline, nortriptyline, imipramine and desmethylimipramine. Relationship to plasma levels and treatment outcome. Hanin I, et al. **J Affective Disord** 1985 Jul;9(1):69-78

IMMUNOLOGY

Structural analysis of the epitope recognized by a monoclonal antibody directed against tricyclic antidepressants. Marullo S, et al. **J Immunol** 1985 Jul;135(1):471-7

METABOLISM

The complex binding of tricyclic antidepressants to rat brain: the case of nortriptyline. Biegon A. **Brain Res** 1984 Nov 12;321(2):347-51

Nortriptyline capacity-limited metabolism: a case report. Browne JL, et al. **J Clin Psychopharmacol** 1984 Dec;4(6):322-5

Serial monitoring and achievement of steady state nortriptyline plasma levels in depressed children and adolescents: preliminary data. Geller B, et al. **J Clin Psychopharmacol** 1985 Aug;5(4):213-6

Nortriptyline pharmacokinetic parameters in depressed children and adolescents: preliminary data. Geller B, et al. **J Clin Psychopharmacol** 1984 Oct;4(5):265-9

Weak binding of 10-hydroxymetabolites of nortriptyline to rat brain muscarinic acetylcholine receptors. Wägner A, et al. **Life Sci** 1984 Sep 24;35(13):1379-83

PHARMACODYNAMICS

Effects of lithium, nortriptyline and dexamethasone on insulin sensitivity. Grof E, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(4-6):687-90

POISONING

[Serum levels of amitriptyline and nortriptyline in a case of poisoning (letter)] Fernández de Gatta M, et al. **Med Clin (Barc)** 1985 May 18;84(19):798-9 **(Spa)**

THERAPEUTIC USE

Separate and combined anxiolytic and anti-depressant treatment of mixed anxiety/depression. A double-blind, placebo controlled comparison. Sussex Clinical Trials Group. **Acta Psychiatr Scand** 1985 Jul;72(1):81-8

Effect of imipramine and nortriptyline on left ventricular function and blood pressure in patients treated for arrhythmias. Giardina EG, et al. **Am Heart J** 1985 May;109(5 Pt 1):992-8

Nortriptyline in the treatment of a monosymptomatic delusion [letter] Pylko T, et al. **Am J Psychiatry** 1985 Oct;142(10):1223

Nortriptyline and protriptyline in hyperventilation [letter] DiFilippo NM. **Arch Intern Med** 1985 Sep;145(9):1736

Fluphenazine/nortriptyline in the irritable bladder syndrome. A double-blind placebo controlled study. Martin MR, et al. **Br J Urol** 1984 Apr;56(2):178-9

The occurrence and treatment of poststroke mood disorders. Robinson RG, et al. **Compr Ther** 1984 Sep;10(9):19-24

Cost-benefit analysis of prospective pharmacokinetic dosing of nortriptyline in depressed inpatients. Simmons SA, et al. **J Affective Disord** 1985 Jan-Feb;8(1):47-53

NORTROPANES

METABOLISM

Localization of a new benzamide derivative, tropapride and of 1-sulpiride, in the pituitary gland of the rat. Strolin Benedetti M, et al. **J Pharmacol** 1984 Oct-Dec;15(4):433-8

NORWALK AGENT

IMMUNOLOGY

Serologic survey of rotavirus, Norwalk agent and Prototheca wickerhamii in wastewater workers. Clark CS, et al. **Am J Public Health** 1985 Jan;75(1):83-5

Detection of Norwalk virus antibodies and antigen with a biotin-avidin immunoassay. Gary GW Jr, et al. **J Clin Microbiol** 1985 Aug;22(2):274-8

Serological responses among teenagers after natural exposure to Norwalk virus. Baron RC, et al. **J Infect Dis** 1984 Oct;150(4):531-4

ISOLATION & PURIFICATION

[Epidemiologic and electron microscopic study of viral gastroenteritis in Kagawa Prefecture, Japan, revealed three distinct causative agent groups] Yamanishi S. **Kansenshogaku Zasshi** 1984 Aug;58(8):774-83 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

[Diarrhea in young calves. 6. Determination of the pathogenicity of a bovine coronavirus and an unidentified icosahedral virus] Günther H, et al. **Arch Exp Veterinarmed** 1984 Sep;38(5):781-92 (Eng. Abstr.) **(Ger)**

NOSCAPINE

ANALYSIS

Illicit heroin manufacturing byproducts: capillary gas chromatographic determination and structural elucidation of narcotine- and norlaudanosine-related compounds. Allen AC, et al. **Anal Chem** 1984 Dec;56(14):2940-7

BLOOD

New sensitive method to determine noscapine in serum by reversed-phase liquid chromatography. Haikala V. **J Chromatogr** 1985 Feb 8;337(2):429-33

NOSE

Effect of an intranasally administered corticosteroid (budesonide) on nasal obstruction, mouth breathing, and asthma. Henriksen JM, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1014-8

Influence of the respiratory route on the resting breathing pattern in humans. Rodenstein DO, et al. **Am Rev Respir Dis** 1985 Jan;131(1):163-6

Atomizer modification for nasal administration of cocaine and other drugs. Rector FT, et al. **Anesth Analg** 1985 Jul;64(7):739-41

'An unexpected cause of halitosis' [letter] Lovewell R. **Br Dent J** 1984 Dec 8;157(11):384

Aetiological evaluation of foreign bodies in the ear and nose. Das SK. **J Laryngol Otol** 1984 Oct;98(10):989-91

Thermoplastic custom trays for making regional facial impressions. Aquilino SA, et al. **J Prosthet Dent** 1985 May;53(5):686-8

The 'slush' technique in construction of intranasal stents. McKinstry RE, et al. **J Prosthet Dent** 1985 Jul;54(1):107-9

Inquiry into the outbreak of Legionnaire's disease. **Lancet** 1985 May 18;1(8438):1169-70

Combine Marocel and Gelfilm as a nasal pack. Leek JH. **Laryngoscope** 1985 Jan;95(1):99

Flexible fiberoptic and rigid telescopes for intranasal photography. Leopold DA. **Laryngoscope** 1984 Nov;94(11 Pt 1):1509-11

Factitious rhinolith. Damm DD, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):662

The use of the Samson modification of the Mapleson 'A' circuit during blind nasal intubation for anaesthesia. Veliotes GD, et al. **S Afr Med J** 1985 Aug 3;68(3):171-2

[Rhinolithiasis--with special reference to minerology] Rasinger GA, et al. **HNO** 1985 Feb;33(2):65-9 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Rhinoplasty in Egyptians. Beheri GE. **Aesthetic Plast Surg** 1984;8(3):145–50

The prominent nasal tip. Farina R, et al. **Aesthetic Plast Surg** 1984;8(3):141–4

The fat nose. González-Ulloa M. **Aesthetic Plast Surg** 1984;8(3):135–40

Cebocephaly: CT and sonographic findings. McCorkell SJ, et al. **AJNR** 1985 Jul–Aug;6(4):647–9

Familial occurrence of a developmental defect of the medial nasal processes Toriello HV, et al. **Am J Med Genet** 1985 May;21(1):131–5

Repair of the unilateral cleft lip nose using contralateral alar crease grafts. Vecchione TR. **Ann Plast Surg** 1985 Feb;14(2):148–54

Congenital accessory ectopic eyelid: case report. Prasanna M. **Br J Plast Surg** 1985 Jul;38(3):429–31

The noselift procedure for rhinoplasty in the older patient. Robbins TH. **Br J Plast Surg** 1985 Apr;38(2):264–6

Familial syndrome with some features of the Langer–Giedion syndrome, and paracentric inversion of chromosome 8, inv 8 (q11.23----q21.1). Shabtai F, et al. **Clin Genet** 1985 Jun;27(6):600–5

Noma in a full-term neonate. Alkalay A, et al. **Clin Pediatr (Phila)** 1985 Sep;24(9):528–30

Nasal aplasia associated with meningocele and submucous cleft palate. Shubich I, et al. **Ear Nose Throat J** 1985 May;64(5):259–60

Fronto-nasal dysplasia and lipoma of the corpus callosum. Pascual-Castroviejo I, et al. **Eur J Pediatr** 1985 May;144(1):66–71

Cosmetic rhinoplasty: radiological features. Safian LS. **Head Neck Surg** 1984 Dec;7(2):139–49

Sphenoethmoidal encephalomeningocele and midline anomalies of face and brain. Tada M, et al. **Hokkaido Igaku Zasshi** 1985 Jan;60(1):48–56

Half nose. Beg MH. **J Laryngol Otol** 1984 Sep;98(9):915–6

A family with three independent autosomal translocations associated with 7q32-----7qter syndrome. Bass HN, et al. **J Med Genet** 1985 Feb;22(1):59–63

The proboscis lateralis--a 14-year follow-up. Khoo BC. **Plast Reconstr Surg** 1985 Apr;75(4):569–77

Primary correction of unilateral cleft lip nasal deformity: a 10-year review. McComb H. **Plast Reconstr Surg** 1985 Jun;75(6):791–9

Management of congenital bilateral cleft nose. Mullin WR, et al. **Plast Reconstr Surg** 1985 Feb;75(2):253–7

True median cleft of the upper lip associated with three pedunculated club-shaped skin masses. Nakamura J, et al. **Plast Reconstr Surg** 1985 May;75(5):727–31

The residual unilateral cleft lip nasal deformity: a three-phase correction technique. Thomson HG. **Plast Reconstr Surg** 1985 Jul;76(1):36–43

Isolated naso-ocular cleft: a one-stage repair. Thomson HG, et al. **Plast Reconstr Surg** 1985 Oct;76(4):534–8

The tension nose. Sputh CB. **Rhinology** 1985 Mar;23(1):79–80

Proboscis lateralis--a rare congenital anomaly. A case report. Mugaddu EG. **S Afr Med J** 1985 Jul 6;68(1):45

Familial nasal acilia syndrome. Babin RW, et al. **South Med J** 1985 Jun;78(6):737–9

[Skin flaps from the nasal dorsum-sulcus in the repair of partial nasal defects] Hu YS. **Chung Hua I Hsueh Tsa Chih** 1984 Oct;64(10):646–7 **(Chi)**

[Surgery of secondary deformities of the nose in unilateral clefts] Měšťák J. **Rozhl Chir** 1985 Feb;64(2):114–8 (Eng. Abstr.) **(Cze)**

[Type I tricho-rhino-phalangeal syndrome] van Deursen S, et al. **Tijdschr Kindergeneeskd** 1985 Apr;53(2):72–6 (Eng. Abstr.) **(Dut)**

[Tricho-rhino-phalangeal syndrome. Apropos of a neonatal case] Romanet P, et al. **Ann Pediatr (Paris)** 1985 May;32(5):473–6 (Eng. Abstr.) **(Fre)**

[A method for the prevention of supratip swelling following esthetic rhinoplasty] Austermann KH. **Fortschr Kiefer Gesichtschir** 1985;30:76–8 **(Ger)**

[Unwanted effects of corrective rhinoplasties] Günther H. **Fortschr Kiefer Gesichtschir** 1985;30:70–3 **(Ger)**

[Prevention of alien changes of facial expression in rhinoplasty] Kapovits M. **Fortschr Kiefer Gesichtschir** 1985;30:73–6 **(Ger)**

[Prevention of errors in the operative correction of nose deformities in cleft patients] Reil-Ehlers B, et al. **Fortschr Kiefer Gesichtschir** 1985;30:143–5 **(Ger)**

[Treatment of complex deformities of the nose] Ivanović A, et al. **Med Pregl** 1984;37(5–6):217–20 (Eng. Abstr.) **(Scr)**

ANALYSIS

[Distribution of neuropeptides in the nasal region] Terao A. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jul;87(7):826–32 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Relationship between the protrusion of the nasal tip and the dorsum in rhinoplasty. Hinderer UT. **Aesthetic Plast Surg** 1984;8(4):201–12

The nasion-sella reference line in cephalometry: a methodologic study. Pancherz H, et al. **Am J Orthod** 1984 Nov;86(5):427–34

Rhinoplasty: a graded aesthetic-anatomical approach. Daniel RK, et al. **Ann Plast Surg** 1984 Nov;13(5):436–51

Surgical anatomy of septorhinoplasty. Lessard ML, et al. **Arch Otolaryngol** 1985 Jan;111(1):25–9

Anatomy and physiology of the nose--pathophysiologic alterations in allergic rhinitis. Mygind N, et al. **Clin Rev Allergy** 1984 Aug;2(3):173–88 (48 ref.)

Morphogenesis and evolutionary morphology of the nasal apparatus of the black-headed gull Larus ridibundus L.). II. A morphological interpretation of individual structures. Morphogenesis of the nasal capsule, nasal epithelial tube and organ of Jacobson in Sauropsida. X. Slabý O. **Folia Morphol (Praha)** 1985;33(1):1–21

The structure and distribution of nasal glands in four marsupial species. Kratzing JE. **J Anat** 1984 Oct;139 (Pt 3):553–64

The ala-tragus line in complete denture prosthodontics. van Niekerk FW, et al. **J Prosthet Dent** 1985 Jan;53(1):67–9

A practical guide to the construction of a 'cire perdue' model of the human nose. Collins MP. **Rhinology** 1985 Mar;23(1):71–8

[Comparative anatomic studies of the vomeronasal complex and the rostral palate of various mammals] Wöhrmann-Repenning A. **Gegenbaurs Morphol Jahrb** 1984;130(5):609–37 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Scanning electron microscopy of nasal arterioles effected by vasoactive agents. Nagai M, et al. **Arch Otorhinolaryngol** 1984;241(1):45–9

[Regional blood circulation in children with congenital cleft lip and palate based on rheographic data] Koĭkov PT. **Stomatologiia (Mosk)** 1984 Nov–Dec;63(6):36–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The assessment of DNA damage and repair in rat nasal epithelial cells. Bermudez E, et al. **Carcinogenesis** 1984 Nov;5(11):1453–8

Some effects of formaldehyde on the upper respiratory tract. Ballenger JJ. **Laryngoscope** 1984 Nov;94(11 Pt 1):1411–3

EMBRYOLOGY

Development and comparative morphology of the nasal apparatus of the rook (Corvus frugilegus L.). (Morphogenesis of the nasal capsule, the nasal epithelial tube and the organ of Jacobson in Sauropsida XI). Slabý O. **Folia Morphol (Praha)** 1985;33(1):48–62

Contribution to knowledge of the comparative morphogenesis of the nasal apparatus in the white stork Ciconia ciconia L. (Morphogenesis of the nasal capsule, the epithelial nasal tube and the organ of Jacobson in Sauropsida XIII). Slabý O. **Folia Morphol (Praha)** 1985;33(1):91–8

Contribution to knowledge of the development and comparative morphogenesis of the nasal apparatus of the white pelican Pelecanus onocrotalus L. (Morphogenesis of the nasal capsule, the nasal epithelial tube and the organ of Jacobson in Sauropsida XII). Slabý O. **Folia Morphol (Praha)** 1985;33(1):63–9

Morphogenesis and comparative morphology of the nasal apparatus in the swallow (Hirundo rustica L.) (morphogenesis of the nasal capsule, the epithelial nasal tube and the organ of Jacobson in Sauropsida XV). Slabý O. **Folia Morphol (Praha)** 1985;33(2):181–91

On a few embryonic structures forming evolutionary connections between the two Sauropsida classes (morphogenesis of the nasal capsule, the epithelial nasal tube and the organ of Jacobson in Sauropsida XVI). Slabý O. **Folia Morphol (Praha)** 1985;33(2):192–200

[The light and electron microscopic study of the fusion of facial prominences] Kosaka K. **Kokubyo Gakkai Zasshi** 1984 Sep;51(3):562–87 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Inhibition of rabbit nasal and hepatic cytochrome P-450-dependent hexamethylphosphoramide (HMPA) N-demethylase by methylenedioxyphenyl compounds. Dahl AR, et al. **Biochem Pharmacol** 1985 Mar 1;34(5):631–6

GROWTH & DEVELOPMENT

Morphogenesis and evolutionary morphology of the nasal apparatus of the black-headed gull (Larus ridibundus L.) morphogenesis of the nasal capsule, nasal epithelial tube and organ of Jacobson in Sauropsida. IX. Slabý O. **Folia Morphol (Praha)** 1984;32(4):361–78

The importance of nasal fractures during different growth periods of the nose. Grymer LF, et al. **J Laryngol Otol** 1985 Aug;99(8):741–4

Nasal fractures in children: influence on the development of the nose. Grymer LF, et al. **J Laryngol Otol** 1985 Aug;99(8):735–9

IMMUNOLOGY

[Determination of total and specific IgE in nasal secretions] Maffezzoni E, et al. **Acta Otorhinolaryngol Ital** 1984 Nov–Dec;4(6):643–53 (Eng. Abstr.) **(Ita)**

[Host defense mechanisms of the nose. Part One. Bacterial exposure using rats with artificial nasal obstructions] Okamoto Y. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):708–13 (Eng. Abstr.) **(Jpn)**

INJURIES

[Circumstances and causative factors in injuries of the otorhinolaryngologic organs] Cerný E. **Cesk Otolaryngol** 1984 Jun;33(3):141–6 (Eng. Abstr.) **(Cze)**

[Blow-out fracture or orbito-nasal dislocation caused by indirect shock] Crestinu J. **Bull Soc Ophtalmol Fr** 1984 Apr;84(4):389–93 **(Fre)**

[Prevention of complications of the transnasal placement of artificial respiration tubes and catheters] Deitmer T, et al. **Anasth Intensivther Notfallmed** 1984 Dec;19(6):310–1 (Eng. Abstr.) **(Ger)**

[Nose injury] Nöldge G, et al. **Radiologe** 1984 Sep;24(9):447–8 **(Ger)**

[Thermal lesions of the ENT organs, their diagnosis and treatment at medical evacuation centers] Tsurikov VP. **Voen Med Zh** 1985 Mar;(3):25–8 **(Rus)**

INNERVATION

Cutaneous nasociliary neuralgia. Lambert WC, et al. **Acta Derm Venereol (Stockh)** 1985;65(3):257–8

[Plasma levels of LH and testosterone in male rats subjected peripheral de-afferentation of the vomeronasal system] Sánchez-Criado JE, et al. **Rev Esp Fisiol** 1984 Sep;40(3):359–63 (Eng. Abstr.) **(Spa)**

METABOLISM

Thymidine incorporation in the olfactory epithelium of mice: early exponential response induced by olfactory neurectomy. Càmara CG, et al. **Brain Res** 1984 Aug 6;308(1):63–8

MICROBIOLOGY

Prevalence of enterotoxigenic staphylococci in nose, throat and skin lesions in meat-workers. Danielsson ML, et al. **Acta Vet Scand** 1984;25(2):242–9

Rapid detection of bovine herpesvirus type 1 antigens in nasal swab specimens with an antigen capture enzyme-linked immunosorbent assay. Collins JK, et al. **J Clin Microbiol** 1985 Mar;21(3):375–80

Prevalence of gram-negative bacilli in nares and on hands of pharmacy personnel: lack of effect of occupational exposure to antibiotics. Weil DC, et al. **J Clin Microbiol** 1984 Nov;20(5):933–5

Nasal bacterial flora of clinically normal goats. Ngatia TA, et al. **J Comp Pathol** 1985 Jul;95(3):465–8

Nasal carriage of Staphylococcus aureus in a population of healthy Nigerian students. Lamikanra A, et al. **J Med Microbiol** 1985 Apr;19(2):211–6

Chlamydia trachomatis in smears from eyes, ears, and throats of children with chronic otitis media [letter] Banks JR, et al. **Lancet** 1985 Aug 3;2(8449):278

PATHOLOGY

Nasal airway obstruction and facial development. Shapiro GG, et al. **Clin Rev Allergy** 1984 Aug;2(3):225–35 (31 ref.)

Tuberculous ulcers of nose and tongue in children. Chavalittamrong B, et al. **J Med Assoc Thai** 1984 Apr;67(4):248–53

Rhino-orbital zygomycosis. Ellis CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):455–8

[Apropos of a case of rhinoscleroma] Bauduceau B, et al. **Med Trop (Mars)** 1984 Apr–Jun;44(2):165–9 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Re: The effect of Le Fort I maxillary impaction on nasal airway resistance [letter] Timms DJ. **Am J Orthod** 1984 Nov;86(5):439

Alterations in nasal airway resistance following superior repositioning of the maxilla. Turvey TA, et al. **Am J Orthod** 1984 Feb;85(2):109–14

Infants are not obligatory nasal breathers. Rodenstein DO, et al. **Am Rev Respir Dis** 1985 Mar;131(3):343–7

Nasal physiology. Courtiss EH, et al. **Ann Plast Surg** 1984 Sep;13(3):214–23

Resection of the interfrontal sinus septum in chronic or recurrent frontal sinusitis. Pre- and post-operative evaluation of the naso-frontal duct. Andréasson L, et al. **Clin Otolaryngol** 1985 Jun;10(3):151–5

The effect of ipratropium bromide (Atrovent) on the air conditioning capacity of the nose. Kumlien J, et al. **Clin Otolaryngol** 1985 Jun;10(3):165–8

Objective measurements of nasal airflow and other diagnostic nasal tests. Connell JT. **Clin Rev Allergy** 1984 Aug;2(3):213–23 (18 ref.)

Allergic rhinitis. Norman PS. **J Allergy Clin Immunol** 1985 May;75(5):531–48 (118 ref.)

Soft palate and oronasal breathing in humans. Rodenstein DO, et al. **J Appl Physiol** 1984 Sep;57(3):651–7

Respiratory changes in nasal muscle length. van Lunteren E, et al. **J Appl Physiol** 1985 Aug;59(2):453–8

Asthma and nasal reflexes--1919. **J Asthma** 1984;21(5):355–6

The influence of the age at which the palate is closed on the rhinological and otological condition in the adult cleft patient. Blijdorp P, et al. **J Maxillofac Surg** 1984 Dec;12(6):247–54

Sexual behavior and aggression in male mice: involvement of the vomeronasal system. Clancy AN, et al. **J Neurosci** 1984 Sep;4(9):2222–9

Pheromonally induced release of luteinizing hormone in male mice: involvement of the vomeronasal system. Coquelin A, et al. **J Neurosci** 1984 Sep;4(9):2230-6

Pediatric nasal resistance. Principato JJ, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1067-9

Nasal heat exchange in a northern ungulate, the reindeer (Rangifer tarandus). Langman VA. **Respir Physiol** 1985 Mar;59(3):279-87

Comparison of different coefficients and units in rhinomanometry. Eichler J, et al. **Rhinology** 1985 Jun; 23(2):149-57

[Standardization of rhinomanometry] Clement PA. **Acta Otorhinolaryngol Belg** 1984;38(4):380-5 **(Dut)**

[The effect of swimming on the nasal passages and on tube function in children] Desterbeck RA, et al. **Acta Otorhinolaryngol Belg** 1984;38(4):410-21 (Eng. Abstr.) **(Dut)**

[Nasal physiology] Monteil JP. **Ann Chir Plast Esthet** 1985; 30(2):181-4 (Eng. Abstr.) **(Fre)**

[Nasal function tests] **Arch Otorhinolaryngol [Suppl]** 1984; 2:251-6 **(Ger)**

[Physiological and pathophysiological connections of the upper and lower airways with special reference to immunological and nonimmunological diseases of the respiratory tract] Kunkel G. **Internist (Berlin)** 1985 Apr; 26(4):195-200 **(Ger)**

[Elaboration of a rhinogram and statistical identification of the range of normality with digital rhinomanometry] Brusa M, et al. **Acta Otorhinolaryngol Ital** 1984 Jan-Feb; 4(1):75-84 (Eng. Abstr.) **(Ita)**

[Assessment of nasal patency by measurement of forced inspiratory flow] D'Aloya N, et al. **Acta Otorhinolaryngol Ital** 1985 Jan-Feb;5(1):71-81 (Eng. Abstr.) **(Ita)**

[Circadian changes of nasal resistance in normal subjects] Paludetti G, et al. **Acta Otorhinolaryngol Ital** 1984 Jul-Aug; 4(4):445-55 (Eng. Abstr.) **(Ita)**

[Effect of nasal respiration on the electrical activity of skeletal musculature] Bakuradze AN, et al. **Fiziol Zh SSSR** 1985 Jan;71(1):8-14 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Modeled velopharyngeal orifice area prediction during simulated stop consonant production in the presence of increased nasal airway resistance. Smith BE, et al. **Cleft Palate J** 1985 Jul;22(3):149-53

Alae nasi electromyographic activity and timing in obstructive sleep apnea. Suratt PM, et al. **J Appl Physiol** 1985 Apr;58(4):1252-6

Aldosterone metabolism and transepithelial potential difference in normal and cystic fibrosis subjects. Knowles MR, et al. **Pediatr Res** 1985 Jul;19(7):676-9

[Orofacial dyskinesias and changes in the nasal, naso- and oropharyngeal airways] Jonas I, et al. **Fortschr Kieferorthop** 1985 Apr;46(2):113-26 (Eng. Abstr.) **(Ger)**

SURGERY

Quantitative effects of nasal surgery on olfaction. Stevens CN, et al. **Am J Otolaryngol** 1985 Jul-Aug;6(4):264-7

Aquaplast for nasal splinting. Cunningham MW, et al. **Ann Plast Surg** 1984 Oct;13(4):357-8

Intranasal composite grafts for dorsal support. Conley J. **Arch Otolaryngol** 1985 Apr;111(4):241-3

Reconstruction of large nasal defects with a subcutaneous pedicle nasolabial flap. An underutilized technique. Levine PA. **Arch Otolaryngol** 1985 Sep;111(9):628-30

Two useful small flaps for reconstruction of lip and nose. Schafer ME. **Clin Plast Surg** 1984 Oct;11(4):785-90

The 'crossbow' incision and nasal flap--its blood supply and clinical application. Hassard AD, et al. **Head Neck Surg** 1984 Dec;7(2):135-8

Use of a nasopharyngeal airway as an aid to easy recovery after nasal surgery. Babington P, et al. **J Laryngol Otol** 1985 Apr;99(4):399

A simplified nasal packing. Burke RH. **J Oral Maxillofac Surg** 1985 Jul;43(7):555

New instrument: intranasal needle holder. Parell GJ. **Laryngoscope** 1985 Jun;95(6):735

The stair-step flap for nasal alar reconstruction [letter] Borges AF. **Plast Reconstr Surg** 1985 May;75(5):766

The stair-step flap for nasal alar reconstruction. Dreyer TM. **Plast Reconstr Surg** 1984 Nov;74(5):704-7

Pathogenesis and surgical therapy of migraine attacks caused by weather (Foehn) and menstruation. Novak VJ. **Rhinology** 1984 Sep;22(3):165-70

[The main beam in nasal reconstruction] Soussaline M, et al. **Ann Chir Plast Esthet** 1985;30(1):93-4 (Eng. Abstr.) **(Fre)**

NOSE DEFORMITIES, ACQUIRED

ETIOLOGY

Nasal fractures in children: influence on the development of the nose. Grymer LF, et al. **J Laryngol Otol** 1985 Aug; 99(8):735-9

The importance of nasal fractures during different growth periods of the nose. Grymer LF, et al. **J Laryngol Otol** 1985 Aug;99(8):741-4

[Nose destruction following septum abscess: surgical prevention] Huizing EH. **Ned Tijdschr Geneeskd** 1985 Mar 30;129(13):577-9 **(Dut)**

[Unwanted effects of corrective rhinoplasties] Günther H. **Fortschr Kiefer Gesichtschir** 1985;30:70-3 **(Ger)**

PREVENTION & CONTROL

[A method for the prevention of supratip swelling following esthetic rhinoplasty] Austermann KH. **Fortschr Kiefer Gesichtschir** 1985;30:76-8 **(Ger)**

SURGERY

Cosmetic rhinoplasty: radiological features. Safian LS. **Head Neck Surg** 1984 Dec;7(2):139-49

Surgical repair of atresia of nasal passages. Harahap M. **J Dermatol Surg Oncol** 1985 Jun;11(6):632-4

Surgery of the incompetent nasal valve. Goode RL. **Laryngoscope** 1985 May;95(5):546-55

The versatile cartilage autograft in reconstruction of the nose and face. Tardy ME Jr, et al. **Laryngoscope** 1985 May; 95(5):523-33

The tension nose. Sputh CB. **Rhinology** 1985 Mar;23(1):79-80

[Skin flaps from the nasal dorsum-sulcus in the repair of partial nasal defects] Hu YS. **Chung Hua I Hsueh Tsa Chih** 1984 Oct;64(10):646-7 **(Chi)**

[Surgical management of secondary deformities of cleft lip and nose] Li SK, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):267-9 (Eng. Abstr.) **(Chi)**

[Correction of saddle nose] Wolfgruber H. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):81-8 (Eng. Abstr.) **(Ger)**

NOSE DISEASES

see related
OTORHINOLARYNGOLOGIC DISEASES

[Inflammatory diseases of the nose and nasal sinuses in children] Albegger K, et al. **Padiatr Padol** 1985; 20(3):315-23 (24 ref.) (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Intranasal cocaine abuse in an allergists office. Snyder RD, et al. **Ann Allergy** 1985 Jun;54(6):489-92

[Comparative characteristics of the intensity of leukocyte migration and the degree of epithelial cell desquamation of the nasal mucosa in petroleum and petrochemical industry workers] Dzhafarov ZR. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):28-30 (Eng. Abstr.) **(Rus)**

[Nasal pathology in a bichromate industry] Villalbi JR, et al. **An Otorrinolaringol Ibero Am** 1984;11(4):291-7 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Nasal mucosal involvement in ulcerative colitis. Easton LA. **Aust NZ J Med** 1985 Feb;15(1):50-1

[Nose destruction following septum abscess: surgical prevention] Huizing EH. **Ned Tijdschr Geneeskd** 1985 Mar 30;129(13):577-9 **(Dut)**

[Therapy of otogenic and rhinogenic meningitis] Grasl M, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Aug;63(8):392-5 (Eng. Abstr.) **(Ger)**

CONGENITAL

Median nasal dermoid fistula. Shuttleworth D, et al. **Clin Exp Dermatol** 1985 May;10(3):269-73

Congenital nasal dermoid cysts and fistulas. Vibe P, et al. **Scand J Plast Reconstr Surg** 1985;19(1):105-7

[Congenital midline fistulas of the back of the nose. Embryologic, clinical and therapeutic study] Cotin G, et al. **Ann Pediatr (Paris)** 1984 Dec;31(11):945-9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

A quantitative technique for assessing nasal airway impairment. Warren DW. **Am J Orthod** 1984 Oct; 86(4):306-14

Rhinolaryngoscopy in the allergy office. Selner JC, et al. **Ann Allergy** 1985 Jun;54(6):479-82

Observer variation in clinical examination of the nasal airway. Hardcastle PF, et al. **Clin Otolaryngol** 1985 Feb;10(1):3-7

Rhinocerebral mucormycosis with internal carotid occlusion: report of two cases and review of the literature. Anaissie EJ, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1107-13

Melting corneas with collapsing nose. Michelson JB. **Surv Ophthalmol** 1984 Sep-Oct;29(2):148-54

[Naso-sinus involvement of occupational origin] Rebattu JP, et al. **J Fr Otorhinolaryngol** 1984 Sep;33(7):357-62 **(Fre)**

[Rhinolithiasis--with special reference to minerology] Rasinger GA, et al. **HNO** 1985 Feb;33(2):65-9 (Eng. Abstr.) **(Ger)**

[Photography in endoscopic examinations of the nose and ears] Horoch A. **Otolaryngol Pol** 1985;39(1):77-80 (9 ref.) (Eng. Abstr.) **(Pol)**

[Sarcoidosis of the nose] Miszke A, et al. **Otolaryngol Pol** 1984;38(2):171-5 (Eng. Abstr.) **(Pol)**

[Case of tuberculoma of the nasal cavity] Ianova LA, et al. **Probl Tuberk** 1985;(1):70-1 **(Rus)**

[Limited forms of Wegener's disease. Review of the concept and differential diagnosis. Apropos of a case] Ojeda Pérez E, et al. **Rev Clin Esp** 1985 Mar;176(4):194-8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Invasive nasal sarcoidosis treated with methotrexate. Fenton DA, et al. **Clin Exp Dermatol** 1985 May;10(3):279-83

An amphotericin B-resistant case of rhinocerebral mucor mycosis. Barnert J, et al. **Infection** 1985 May-Jun; 13(3):134-6

Medical therapy in rhinology. Chapnik JS, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):685-95

ETIOLOGY

Nasal problems in wood furniture workers. A study of symptoms and physiological variables. Wilhelmsson B, et al. **Acta Otolaryngol (Stockh)** 1984 Nov-Dec; 98(5-6):548-55

Nasal obstruction in healthy neonates. Mugliston TA, et al. **Br Med J [Clin Res]** 1984 Dec 15;289(6459):1659-60

Oro-nasal fistula secondary to maxillary augmentation. Eppley B, et al. **Int J Oral Surg** 1984 Dec;13(6):535-8

Mechanisms of nasal obstruction in sleep. Cole P, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1557-9 (26 ref.)

An unusual cause of unilateral nasal obstruction: ameloblastoma. Wenig BL, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):426-32

Pseudomonas nasal septal abscess. Kean H. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter; 37(2):248-9

[Rhino-cranial mucormycosis in acute leukemia] Farack UM, et al. **Dtsch Med Wochenschr** 1985 Jan 4;110(1):24-7 (Eng. Abstr.) **(Ger)**

[Neurotrophic ulceration of the ala nasi secondary to Wallemberg's syndrome] Levi L, et al. **G Ital Dermatol Venereol** 1985 May-Jun;120(3):187-8 (Eng. Abstr.) **(Ita)**

[Polyarteritis nodosa and perforation of the nasal septum (letter)] Oristrell Salva J, et al. **Med Clin (Barc)** 1985 Apr 30;84(16):673-4 **(Spa)**

HISTORY

Historical notes and actual observations on the nasal septal abscess especially in children. Pirsig W. **Int J Pediatr Otorhinolaryngol** 1984 Oct;8(1):43-54

OCCURRENCE

[First case of rhinoentomophthoromycosis observed in the People's Republic of the Congo (Congo Brazzaville)] Winter C, et al. **Bull Soc Pathol Exot Filiales** 1984 May-Jun;77(3):377-84 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Pemphigus vulgaris localized to the nose. Taylor J, et al. **Cutis** 1984 Oct;34(4):394-5

Rhino-orbital zygomycosis. Ellis CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):455-8

Huge growth potential of the nasolabial cyst. Cohen MA, et al. **Oral Surg Oral Med Oral Pathol** 1985 May; 59(5):441-5

[Nasal and sinusal caseous processes (cholesteatomatosis)] Stefaniu A, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep; 29(3):215-20 (Eng. Abstr.) **(Rum)**

[Weiss' nasal lymphoma (histiocytic, malignant)] Pons S, et al. **Med Cutan Iber Lat Am** 1984;12(3):221-6 (Eng. Abstr.) **(Spa)**

[Sporotrichosis. Unusual localization] Terzano I, et al. **Med Cutan Ibero Lat Am** 1984;12(5):383-6 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Computed tomography in nasal and paranasal sinus disease. Unger JM, et al. **Laryngoscope** 1984 Oct;94(10):1319-24

SURGERY

An approach to large nasoseptal perforations and attendant deformity. Belmont JR. **Arch Otolaryngol** 1985 Jul; 111(7):450-5

Disfiguring lupus pernio successfully treated with plastic surgery. Shaw M, et al. **Clin Exp Dermatol** 1984 Nov; 9(6):614-7

Extended follow-up of total inferior turbinate resection for relief of chronic nasal obstruction. Moore GF, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1095-9

Long-term results of septoplastic operations. Dommerby H, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(3):151-7

The proboscis lateralis--a 14-year follow-up. Khoo BC. **Plast Reconstr Surg** 1985 Apr;75(4):569-77

[Indications, technic and long-term results of surgery of the nasal pyramid and septum in children] Willemot J, et al. **Acta Otorhinolaryngol Belg** 1984;38(4):427-32 (Eng. Abstr.) **(Fre)**

[Purulent meningitis after minor nasosinus surgery. Apropos of 10 cases] Véber F, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(3):163-7 (Eng. Abstr.) **(Fre)**

[Endonasal surgical technic with the argon laser] Lenz H, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Oct;63(10):534-40 (Eng. Abstr.) **(Ger)**

[Intranasal rhinomicroscopy and microsurgery] Shevrygin BV. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):17-20 (Eng.

Abstr.) **(Rus)**

VETERINARY

Rhinosporidiosis in a dog. Mosier DA, et al. **J Am Vet Med Assoc** 1984 Nov 1;185(9):1009–10

Contribution of the nasal septum to the radiographic anatomy of the equine nasal cavity. Stilson AE Jr, et al. **J Am Vet Med Assoc** 1985 Mar 15;186(6):590–2

NOSE NEOPLASMS

Nasal Schneiderian papillomas: a study of 83 cases. Kristensen S, et al. **Clin Otolaryngol** 1985 Jun;10(3):125–34

Median nasal dermoid fistula. Graham-Brown RA, et al. **Int J Dermatol** 1985 Apr;24(3):181–2

Recurrent oncocytoma of the ethmoid sinus with orbital invasion. Chui RT, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):267–70

Nasal dermoid with intracranial involvement. Clark WD, et al. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):102–4

Leiomyosarcoma of the nose and paranasal sinuses. Josephson RL, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):270–4

[Esthesioneuroblastoma] Liška K, et al. **Sb Lek** 1984 Dec;86(11–12):368–74 (Eng. Abstr.) **(Cze)**

ANALYSIS

Immunohistochemical diagnosis of olfactory neuroblastoma. Choi HS, et al. **J Neuropathol Exp Neurol** 1985 Jan;44(1):18–31

CHEMICALLY INDUCED

Effects of wood dust exposure and diethylnitrosamine. A pilot study in Syrian golden hamsters. Wilhelmsson B, et al. **Acta Otolaryngol (Stockh)** 1985 Jan–Feb;99(1–2):160–71

The role of mechanistic data in dose-response modeling. Starr TB. **Basic Life Sci** 1985;33:101–24

Sensory irritation potential of selected nasal tumorigens in the rat. Gardner RJ, et al. **Food Chem Toxicol** 1985 Jan;23(1):87–92

Occupational formaldehyde exposure and increased nasal cancer risk in man. Olsen JH, et al. **Int J Cancer** 1984 Nov 15;34(5):639–44

Selective induction of nasal cavity tumors in rats by diallylnitrosamine. Pour PM, et al. **J Cancer Res Clin Oncol** 1985;109(1):5–8

Induction of tumors of the nasal cavity in rats by concurrent feeding of thiram and sodium nitrite. Lijinsky W. **J Toxicol Environ Health** 1984;13(4–6):609–14

Comparative carcinogenesis by hydroxylated nitrosopropylamines in Syrian hamsters. Lijinsky W, et al. **JNCI** 1985 Apr;74(4):923–6

Occupational nasal cancer caused by nickel and nickel compounds. Torjussen W. **Rhinology** 1985 Jun;23(2):101–5

COMPLICATIONS

Cushing's syndrome due to an ACTH-producing neuroendocrine tumour in the nasal roof. Werner S, et al. **Acta Med Scand** 1985;217(2):235–40

[Esthesioneuroblastoma associated with sideroblastic anemia (letter)] Romero Colás MS, et al. **Rev Clin Esp** 1985 Mar;176(5):267–9 **(Spa)**

CONGENITAL

Extragonadal endodermal sinus tumour of face. Kedar GP, et al. **Indian J Cancer** 1984 Sep–Oct;21(4):130–2

Congenital nasal dermoid cysts and fistulas. Vibe P, et al. **Scand J Plast Reconstr Surg** 1985;19(1):105–7

DIAGNOSIS

Inverted sinonasal papillomas. Bosley CE, et al. **Ear Nose Throat J** 1984 Oct;63(10):509–13

Malignant melanoma of the nasal cavity and maxillary sinus. Clark JL, et al. **Ear Nose Throat J** 1984 Oct;63(10):505–8

Chondrosarcoma of the nasal septum: a case report. Beneck D, et al. **Head Neck Surg** 1984 Dec;7(2):162–7

[Malignant lymphoma of the nasal cavity] Kristensen S, et al. **Ugeskr Laeger** 1984 Sep 3;146(36):2704 (Eng. Abstr.) **(Dan)**

[Occupational ethmoido-nasal cancer in woodworkers] Gaillard J. **J Fr Otorhinolaryngol** 1984 Dec;33(10):491–3 **(Fre)**

[Schwannoma of the nasal cavity] Gajewska M. **Otolaryngol Pol** 1984;38(3):253–5 (Eng. Abstr.) **(Pol)**

[Ossifying fibroma of the ethmoid labyrinth and nasal cavity] Jordan J, et al. **Otolaryngol Pol** 1985;39(1):65–9 (Eng. Abstr.) **(Pol)**

[Glioma of the nasal cavity] Iudov NN, et al. **Vestn Otorinolaringol** 1985 May–Jun;(3):82 **(Rus)**

DRUG THERAPY

Microcapsule chemoembolization for head and neck cancer. Okamoto Y, et al. **Arch Otorhinolaryngol** 1985;242(1):105–11

Nasal papillomas: successful treatment with podophyllin. Bennett RG, et al. **South Med J** 1985 Feb;78(2):224–5

ETIOLOGY

Experimental studies on carcinogenesis in the nasal mucosa. Drettner B, et al. **Acta Otolaryngol (Stockh)** 1985 Mar–Apr;99(3–4):205–7

Sinonasal cancer and exposure to softwood. Voss R, et al. **Acta Otolaryngol (Stockh)** 1985 Jan–Feb;99(1–2):172–8

Inverted papilloma in a 10-year-old boy. Stanley RJ, et al. **Arch Otolaryngol** 1984 Dec;110(12):813–5

Nasal glioma. Bradley PJ, et al. **J Laryngol Otol** 1985 Mar;99(3):247–52

IMMUNOLOGY

Non-Hodgkin's lymphoma of Waldeyer's ring and nasal cavity. Clinical and immunologic aspects. Yamanaka N, et al. **Cancer** 1985 Aug 15;56(4):768–76

METABOLISM

Demonstration of secretory component, IgA, and IgM by the peroxidase-antiperoxidase technique in inverted papillomas of the nasal cavities. Krisch I, et al. **Hum Pathol** 1984 Oct;15(10):914–20

MORTALITY

Nasal cancer mortality in areas with a high proportion of wood and furniture workers in Japan. Yoshimura T, et al. **Sangyo Ika Daigaku Zasshi** 1983 Dec 1;5(4):433–9

Extensions to a technique for relating mortality and environment--exemplified by nasal cancer and industry. Gardner MJ, et al. **Scand J Work Environ Health** 1984 Aug;10(4):219–23

OCCURRENCE

Nasal cancer in the textile and clothing industries. Brinton LA, et al. **Br J Ind Med** 1985 Jul;42(7):469–74

Epidemiology of occupational nasal cancer and other occupational nasal problems caused by wood dust. Wilhelmsson B. **Rhinology** 1985 Jun;23(2):106–8

PATHOLOGY

Angioendothelioma of the nose [letter] Burge SM, et al. **Acta Derm Venereol (Stockh)** 1984;64(4):364–5

Nasal cuboidal metaplasia with dysplasia. Precursor to adenocarcinoma in wood-dust-exposed workers? Wilhelmsson B, et al. **Acta Otolaryngol (Stockh)** 1985 May–Jun;99(5–6):641–8

Nasal epithelium in woodworkers in the furniture industry. A histological and cytological study. Wilhelmsson B, et al. **Acta Otolaryngol (Stockh)** 1984 Sep–Oct;98(3–4):321–34

Primary neuroblastoma of the nasal cavity and review of literature. Hirano T, et al. **Acta Pathol Jpn** 1985 Jan;35(1):183–91

Nonchromaffin paraganglioma in the nose and paranasal sinuses. Ueda N, et al. **Acta Pathol Jpn** 1985 Mar;35(2):489–95

An immunohistochemical analysis of S-100 protein and glial fibrillary acidic protein in nasal glioma. Kindblom LG, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1984 Sep;92(5):387–9

Picture of the month. Hemangioma and lymphangioma of the nose. Feingold M. **Am J Dis Child** 1985 Mar;139(3):319–20

Malignant transformation in inverted papilloma. Feinmesser R, et al. **Ann Otol Rhinol Laryngol** 1985 Jan–Feb;94(1 Pt 1):39–43

Intranasal glomus tumor. Potter AJ Jr, et al. **Arch Otolaryngol** 1984 Nov;110(11):755–6

Terminal tubulus adenocarcinoma of the nasal seromucous glands. A specific entity. Kleinsasser O. **Arch Otorhinolaryngol** 1985;241(2):183–93

Schneiderian papillomas of the nasal septum. Kristensen S. **Arch Otorhinolaryngol** 1985;241(3):233–6

Immunoblastic sarcoma of the nasal cavity. Kristensen S. **Arch Otorhinolaryngol** 1984;240(3):227–30

Lymphangioma presenting as a nasal polyp in an infant. Beneck D, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):773–5

Mixed olfactory neuroblastoma and carcinoma. A report of two cases. Miller DC, et al. **Cancer** 1984 Nov 1;54(9):2019–28

Inverted papillomas of the nose and the paranasal sinuses. Abildgaard-Jensen J, et al. **Clin Otolaryngol** 1985 Jun;10(3):135–43

Thickness of basal cell epithelioma measured preoperatively by ultrasonography. Brenner S, et al. **Cutis** 1984 Nov;34(5):509

Neuroendocrine tumors of the nose and upper airway. Contrucci RB, et al. **Ear Nose Throat J** 1985 May;64(5):235–8

Dermoid sinus of the nose with intracranial extension [letter] Uri M, et al. **Ear Nose Throat J** 1984 Oct;63(10):524–5

Squamous cell carcinoma with sarcoma-like stroma of the nose and paranasal sinuses: report of two cases. Piscioli F, et al. **Histopathology** 1984 Jul;8(4):633–9

Pleomorphic adenoma of the inferior turbinate. Baraka ME, et al. **J Laryngol Otol** 1984 Sep;98(9):925–8

Metachranous chondrosarcoma and malignant melanoma of the nose. Barton RP. **J Laryngol Otol** 1985 May;99(5):497–500

Pleomorphic adenoma of the nose: a clinical case and historical review. Kamal SA. **J Laryngol Otol** 1984 Sep;98(9):917–23

The risk to the orbit in head and neck cancer. Conley J. **Laryngoscope** 1985 May;95(5):515–22

Inverted papilloma of the nose and paranasal sinuses in childhood and adolescence. Eavey RD. **Laryngoscope** 1985 Jan;95(1):17–23

Dissemination of squamous papilloma by surgical manipulation: a case report. Welsh RL, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1568–70

Papillomas of lacrimal drainage system: a clinicopathologic study. Karcioglu ZA, et al. **Ophthalmic Surg** 1984 Aug;15(8):670–6

Reflections on the management of adenoid cystic carcinoma of the nasal cavity and paranasal sinuses. Howard DJ, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):338–41

Giant keratoacanthoma of the nose. Lucente FE. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):112–6

Nasal septal hemangioma. Wenig BL, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):436–41

Pleomorphic adenoma of the nasal septum. Wenig BL, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):432–6

A general model for the light and electron microscopic morphometry/stereology (M & S) of precancerous epithelial transformation using clinical biopsies. Reith A, et al. **Pathol Res Pract** 1984 Nov;179(2):210–5

Oncocytic carcinoid of the nasal cavity and carcinoid of the lung in a child. Siwersson U, et al. **Pathol Res Pract** 1984 Jul;178(6):562–9

[Rare malignant lymphoma--an analysis of 40 cases] Wu BL. **Chung Hua Chung Liu Tsa Chih** 1985 May;7(3):211–3 (Eng. Abstr.) **(Chi)**

[Recent data on malignant melanoma of the upper respiratory and digestive tract mucosa. Apropos of a case] Kanellopoulos G, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):553–9 (Eng. Abstr.) **(Fre)**

[A case of primary melanoma of the nasal fossae] Siardet S, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(5):377–80 (Eng. Abstr.) **(Fre)**

[Obstruction of the nostril due to a primary melanoma of the inferior turbinate mucosa] Lamarre L, et al. **Union Med Can** 1985 Feb;114(2):148, 150 **(Fre)**

[The so-called nasal glioma] Schmoeckel C, et al. **Hautarzt** 1985 Jun;36(6):360–1 (Eng. Abstr.) **(Ger)**

[Papilloma inversum of the nose and paranasal sinuses. Clinical aspects and histology of 22 personal cases] Beck A, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Jul;63(7):347–52 (Eng. Abstr.) **(Ger)**

[Intranasal extradural meningiomas. Case report and review of the literature] Wolters B, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Apr;64(4):198–201 (Eng. Abstr.) **(Ger)**

[Adenocarcinoma of the nose following occupational exposure to sawdust] Hartung M. **Pathologe** 1985 Jan;6(1):13–5 **(Ger)**

[Nasal glioma (anatomo-clinical considerations apropos of 2 personal cases)] Pampaloni A, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2–3):277–85 **(Ita)**

[An autopsy case of extramedullary plasmacytoma with systemic dissemination 2 years after the onset of a localized tumor in the nasal cavity] Akahonai Y, et al. **Gan No Rinsho** 1984 Nov;30(14):1801–6 (Eng. Abstr.) **(Jpn)**

[Papillomas of the nasal cavity and paranasal sinuses. A clinicopathological study of 19 cases] Usui Y. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):665–73 (Eng. Abstr.) **(Jpn)**

[Rhinosinusal papilloma] Costinescu N, et al. **Rev Chir [Otorinolaringol]** 1984 Jul–Sep;29(3):211–4 (Eng. Abstr.) **(Rum)**

[Rare case of chondroma of the ala nasi] Olariu B, et al. **Rev Chir [Otorinolaringol]** 1985 Jan–Mar;30(1):45–50 (Eng. Abstr.) **(Rum)**

[Pituitary tumors extending into the nose, their topography, diagnosis and principles of treatment] Blagoveshchenskaia NS, et al. **Zh Vopr Neirokhir** 1984 Jul–Aug;(4):7–13 (Eng. Abstr.) **(Rus)**

[2 cases of papilloma of the nose and paranasal sinuses] Udovički J, et al. **Med Pregl** 1984;37(3–4):145–8 (Eng. Abstr.) **(Scr)**

[Olfactory neuroblastoma. Apropos of 2 cases] Dalmau Galofré J, et al. **An Otorrinolaringol Ibero Am** 1985;12(4):315–26 (Eng. Abstr.) **(Spa)**

[Endonasal glioma] Villanueva Martí R, et al. **An Otorrinolaringol Ibero Am** 1984;11(4):357–62 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Nonepithelial tumors of the nasal cavity, paranasal sinuses, and nasopharynx. A clinicopathologic study. XIII: Meningiomas. Perzin KH, et al. **Cancer** 1984 Nov 1;54(9):1860–9

RADIOGRAPHY

Coexistence of a nasal mucoepidermoid carcinoma and sphenoid mucoceles: CT diagnosis and treatment implications. Schaeffer BT, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):803–5

Contribution of radiographs to the diagnosis of naso-alveolar cyst. Chinellato LE, et al. **Oral Surg Oral Med Oral Pathol** 1984 Dec;58(6):729–35

[The Bonnet-Blanc-Dechaume syndrome. Apropos of a case associating retino-encephalic cirsoid aneurysm and nasopalatine angioma] Romanet JP, et al. **Bull Soc Ophtalmol Fr** 1984 Feb;84(2):195-8, 201-3 **(Fre)**

[Demarcation of the forms of osteofibrous tumors of the facial bones] Bausch J. **Laryngol Rhinol Otol (Stuttg)** 1984 Sep;63(9):460-3 (Eng. Abstr.) **(Ger)**

[Results of tomography with polycyclic blur in tumors of the nasal cavity and paranasal sinuses] Müller E, et al. **Z Arztl Fortbild (Jena)** 1984;78(22):959-61 **(Ger)**

RADIONUCLIDE IMAGING

[Clinical assessment of 67Ga-citrate tumor scintigraphy in malignant melanoma] Kosuda S, et al. **Kaku Igaku** 1984 Jul;21(7):781-90 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Primary lymphomas of the nasal cavity and paranasal sinuses. Robbins KT, et al. **Cancer** 1985 Aug 15;56(4):814-9

Biologically aggressive papillomas of the nasal cavity: the role of radiation therapy. Mendenhall WM, et al. **Laryngoscope** 1985 Mar;95(3):344-7

Radiotherapy for inverted papilloma: a case report. Levendag PC, et al. **Radiother Oncol** 1984 Jun;2(1):13-7

[Long term result of radiotherapy of carcinoma of the nasal cavity--report on 62 cases] Wang JB. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):55-7 (Eng. Abstr.) **(Chi)**

[Effective irradiation of whole body in a case of malignant lymphoma] Mitomo O, et al. **Rinsho Hoshasen** 1984 Aug;29(8):893-6 (Eng. Abstr.) **(Jpn)**

SECONDARY

Plexiform ameloblastoma of the maxilla with extension to the skull base. Komisar A. **Head Neck Surg** 1984 Dec;7(2):172-5

Metastatic renal cell carcinoma manifesting as a nasal mass: CT findings. Hayes E, et al. **J Comput Assist Tomogr** 1985 Mar-Apr;9(2):387-9

SURGERY

Resection of upper aerodigestive tract tumors involving the middle cranial fossa. Close LG, et al. **Laryngoscope** 1985 Aug;95(8):908-14

Degloving approach for total excision of inverted papilloma. Sachs ME, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1595-8

The subunit principle in nasal reconstruction. Burget GC, et al. **Plast Reconstr Surg** 1985 Aug;76(2):239-47

CO2 laser surgery of the upper airway. Keane WM, et al. **Surg Clin North Am** 1984 Oct;64(5):955-71 (19 ref.)

Large squamous papilloma of the nasal septum. Papola JS, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter;37(2):240-3

[Personal experience in the treatment of malignant tumors of the nose and paranasal sinuses] Cerný E, et al. **Cesk Otolaryngol** 1984 Sep;33(5):281-7 (Eng. Abstr.) **(Cze)**

[Personal experience with medial maxillectomy by Session's technic] Navrátil J, et al. **Cesk Otolaryngol** 1984 Nov;33(6):330-2 (Eng. Abstr.) **(Cze)**

[Microsurgery for intracranial extension of nasal dermoid sinus] Uri N, et al. **Harefuah** 1984 Sep;107(5-6):133-4 (Eng. Abstr.) **(Heb)**

[Frontal and naso-mental island flaps in partial loss of nasal substance--advantages and disadvantages] Caleffi E, et al. **Acta Biomed Ateneo Parmense** 1985;56(1):33-41 (Eng. Abstr.) **(Ita)**

[Myxoid neurofibroma of the nasal vestibule] Knaster J, et al. **An Otorrinolaringol Ibero Am** 1985;12(1):75-81 (Eng. Abstr.) **(Spa)**

THERAPY

Carcinoma of the nasal septum. LeLiever WC, et al. **Arch Otolaryngol** 1984 Nov;110(11):748-51

Treatment of advanced esthesioneuroblastoma with high-dose chemotherapy and autologous bone marrow transplantation. A case report. O'Conor GT Jr, et al. **Cancer** 1985 Jan 15;55(2):347-9

Esthesioneuroblastoma: diagnosis and management. Newbill ET, et al. **South Med J** 1985 Mar;78(3):275-82

[Tumors of the nose, nasopharynx and paranasal sinuses in children] Vyhnánková L, et al. **Cesk Otolaryngol** 1984 Sep;33(5):288-93 (Eng. Abstr.) **(Cze)**

[A report of malignant melanoma of the nasal cavity--followed for fourteen years] Hoki K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Mar;88(3):290-4 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Light and electron microscopy of varicose vessels and telangiomas in the nasal mucosa of habitual nosebleeders. Johansson BR, et al. **Acta Otolaryngol (Stockh)** 1985 May-Jun;99(5-6):620-9

Surgical pathology of olfactory neuroblastoma. Harrison D. **Head Neck Surg** 1984 Oct;7(1):60-4

Leiomyoma of the nasal cavity (report of a case). Lijovetzky G, et al. **J Laryngol Otol** 1985 Feb;99(2):197-200

VETERINARY

Naturally occurring nasal obstructions in 11 sheep. Rings DM, et al. **Cornell Vet** 1985 Apr;75(2):269-76

Lymphosarcoma within the nasal cavities of an 18-month-old filly. Meschter CL, et al. **Equine Vet J** 1984 Sep;16(5):475-6

Tumors of the canine nasal cavity. Beck ER, et al. **Vet Clin North Am [Small Anim Pract]** 1985 May;15(3):521-33 (22 ref.)

Canine sinonasal skeletal neoplasms: chondrosarcomas and osteosarcomas. Patnaik AK, et al. **Vet Pathol** 1984 Sep;21(5):475-82

[The diagnosis of primary olfactory mucosa neoplasms demonstrated by an esthesioneuroepthelioma in the dog] Dahme E, et al. **Tierarztl Prax** 1985;Suppl 1:112-22 (Eng. Abstr.) **(Ger)**

NOSEBLEED see **EPISTAXIS**

NOSEMA CUNICULI see under **SPOROZOA**

NOSOCOMIAL INFECTIONS see **CROSS INFECTION**

NOSTRUMS

ADVERSE EFFECTS

Medical complications of 'alternative' cancer therapy [letter] Markman M. **N Engl J Med** 1985 Jun 20;312(25):1640-1

NOTOCHORD see under **EMBRYO**

NOTOPHTHALMUS VIRIDESCENS see under **SALAMANDRIDAE**

NOVELTY-SEEKING BEHAVIOR see **EXPLORATORY BEHAVIOR**

NOVOBIOCIN

ANALYSIS

Dye marked antibiotics for lactating cow mastitis therapy. Novak NF, et al. **J Dairy Sci** 1984 Aug;67(8):1841-9

ANTAGONISTS & INHIBITORS

Antagonism between novobiocin and coumermycin A1 in Bacillus subtilis. Gadó I, et al. **Genet Res** 1984 Dec;44(3):243-50

PHARMACODYNAMICS

Novobiocin inhibition of DNA excision repair may occur through effects on mitochondrial structure and ATP metabolism, not on repair topoisomerases. Downes CS, et al. **Carcinogenesis** 1985 Sep;6(9):1343-52

Evidence that novobiocin and nalidixic acid do not inhibit excision repair in u.v.-irradiated human skin fibroblasts at a pre-incision step. Keyse SM, et al. **Carcinogenesis** 1985 Aug;6(8):1231-3

Activity of novobiocin against methicillin-resistant Staphylococcus aureus. Walsh TJ, et al. **J Antimicrob Chemother** 1985 Apr;15(4):435-40

Novobiocin blocks the Drosophila heat shock response. Han S, et al. **J Mol Biol** 1985 May 5;183(1):13-29

Novobiocin-mediated inhibition of polymerization and ligation of DNA in vitro. Meechan PJ, et al. **Mutat Res** 1984 Oct;141(2):69-73

TOXICITY

Novobiocin inhibition of dark repair and longevity in Paramecium. Smith-Sonneborn J, et al. **Nucleic Acids Symp Ser** 1984;(13):309-18

NOXIPTILIN see under **DIBENZOCYCLOHEPTENES**

NOXYTHIOLIN see under **THIOUREA**

NSILA see **NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY**

NSILA-P see **NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY**

NSILA-S see **NONSUPPRESSIBLE INSULIN-LIKE ACTIVITY**

NUCLEAR ENERGY

see related
RADIATION PROTECTION
RADIOACTIVE WASTE

An investigation of bias in a study of nuclear shipyard workers. Greenberg ER, et al. **Am J Epidemiol** 1985 Feb;121(2):301-8

Risk factors for radiogenic cancer: a comparison of factors derived from the Hanford survey with those recommended by the ICRP. Baverstock KF, et al. **Br J Ind Med** 1985 May;42(5):341-5

Mortality of employees of the United Kingdom Atomic Energy Authority, 1946-1979. Beral V, et al. **Br Med J [Clin Res]** 1985 Aug 17;291(6493):440-7

Mortality of employees of the United Kingdom Atomic Energy Authority, 1946-79 [letter] Darby SC, et al. **Br Med J [Clin Res]** 1985 Sep 7;291(6496):672

Collection and validation of data in the United Kingdom Atomic Energy Authority mortality study. Fraser P, et al. **Br Med J [Clin Res]** 1985 Aug 17;291(6493):435-9

Immobilization and geological disposal of nuclear fuel waste. Tait JC. **Can J Physiol Pharmacol** 1984 Aug;62(8):979-85

Mortality among workers at the Pantex weapons facility. Acquavella JF, et al. **Health Phys** 1985 Jun;48(6):735-46

Comparison of radiological risks from coal burning and nuclear power. Cohen BL. **Health Phys** 1985 Mar;48(3):342-3

Radiological risks: coal vs nuclear [letter] Hickman DP. **Health Phys** 1984 Nov;47(5):792-4

Preliminary calculations and radioprotection considerations on prompt and delayed radiation from the DD-operated Frascati Tokamak Upgrade Tokamak. Lucci F, et al. **Health Phys** 1984 Dec;47(6):867-78

Comments on 'Coal energy vs nuclear energy: a comparison of the radiological risks' [letter] Okamoto K. **Health Phys** 1984 Nov;47(5):789-92

Measurement of gamma radiation exposure rates from natural UO2 fuel pellets. Thind KS. **Health Phys** 1985 Aug;49(2):227-38

Brain tumors at a nuclear facility [letter] Stewart A. **J Occup Med** 1985 Jun;27(6):399, 403

Nuclear waste. EPA regulates at last [news] Beardsley T. **Nature** 1985 Aug 29-Sep 4;316(6031):757

British nuclear workforce assessed for risks [news] Clarke M. **Nature** 1985 Aug 22-28;316(6030):666

[Experiences with the inspection of sewage from nuclear power plants as an example for decreasing industrial waste water disposal] Aurand K, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1984;57:39-54 **(Ger)**

[Nuclear plants: hygienic aspects and protection of the population] Tagliaferri V, et al. **Nuovi Ann Ig Microbiol** 1983 Sep-Oct;34(5):387-419 (37 ref.) (Eng. Abstr.) **(Ita)**

[Health check by CMI (Cornell Medical Index) on radiation workers in a nuclear energy plant] Tsuchiya T, et al. **Sangyo Ika Daigaku Zasshi** 1985 Jun 1;7(2):213-20 (Eng. Abstr.) **(Jpn)**

[Ecological and hygienic problems of the development of nuclear energy] Los' IP, et al. **Vrach Delo** 1985 Jun;(6):85-7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Chromosome aberrations in employees from fossil-fueled and nuclear-power plants. Léonard A, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):205-12

NUCLEAR ENVELOPE see **NUCLEAR MEMBRANE**

NUCLEAR FAMILY see under **FAMILY**

NUCLEAR FUSION see under **NUCLEAR ENERGY**

NUCLEAR MAGNETIC RESONANCE

Imaging of unilateral hydronephrosis in an experimental animal model. With special reference to magnetic resonance. Kaude JV, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(6):501-6

Magnetic resonance imaging of the extremities. I. Technique for depiction of normal anatomy. Pettersson H, et al. **Acta Radiol [Diagn] (Stockh)** 1985 May-Jun;26(3):299-302

Perfluorinated organic liquids and emulsions as biocompatible NMR imaging agents for 19F and dissolved oxygen. Clark LC Jr, et al. **Adv Exp Med Biol** 1984;180:835-45

NMR: the new frontier in diagnostic radiology. Kneeland JB, et al. **Adv Surg** 1984;18:37-65 (77 ref.)

Hepatic vascular anatomy on magnetic resonance imaging. Fisher MR, et al. **AJR** 1985 Apr;144(4):739-46

Sensitivity of MRI vs. CT for neuroimaging [letter] Jewel KL. **AJR** 1985 Jun;144(6):1319-20

Reproducibility of T1 and T2 relaxation times calculated from routine MR imaging sequences: phantom study. Kjos BO, et al. **AJR** 1985 Jun;144(6):1157-63

MR imaging of the spine after radiation therapy: easily recognizable effects. Ramsey RG, et al. **AJR** 1985 Jun;144(6):1131-5

Resonant misconception? [letter] Sugarman J. **AJR** 1985 Oct;145(4):861

Magnetic resonance imaging of patent umbilical veins. Weinreb JC, et al. **AJR** 1985 Apr;144(4):747-8

Nuclear magnetic resonance analysis of acute and chronic myocardial infarction in dogs: alterations in spin-lattice relaxation times. Brown JJ, et al. **Am Heart J** 1984 Nov;108(5):1292-7

Characterization of human uveal melanoma cells by phosphorus 31 nuclear magnetic resonance spectroscopy. Kolodny NH, et al. **Am J Ophthalmol** 1985 Jul 15;100(1):38-44

Orbital magnetic resonance imaging. Zimmerman RA, et al. **Am J Ophthalmol** 1985 Aug 15;100(2):312-7

New imaging tests for otology. Valvassori GE. **Am J Otol** 1984 Oct;5(6):434-7

Phosphagens and intracellular pH in intact rabbit smooth muscle studied by 31P-NMR. Hellstrand P, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C320-9

Phosphorus nuclear magnetic resonance of fast- and slow-twitch muscle. Meyer RA, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C279-87

Reverse-phase high-performance liquid chromatography/nuclear magnetic resonance spectrometry separations of biomolecules with 1-1 hard pulse solvent suppression. Laude DA Jr, et al. **Anal Chem** 1985 Jun; 57(7):1464-9

Technical aspects of relaxation measurements and their relationship with tissue properties. Casieri C, et al. **Ann Ist Super Sanita** 1983;19(1):41-2

Mechanisms of relaxation for protons in biological systems. Villa M. **Ann Ist Super Sanita** 1983;19(1):73-6

The initial diagnosis of multiple sclerosis: clinical impact of magnetic resonance imaging. Gebarski SS, et al. **Ann Neurol** 1985 May;17(5):469-74

NMR studies of the exchange of the amide protons of d-biotin and its derivatives. Fry DC, et al. **Ann NY Acad Sci** 1985;447:140-51

Bilateral pontine gaze palsy. Nuclear magnetic resonance findings in presumed multiple sclerosis. Joseph R, et al. **Arch Neurol** 1985 Jan;42(1):93-4

Assignment of resonances in the 31P NMR spectrum of d(GGAATTCC) by regiospecific labeling with oxygen-17. Connolly BA, et al. **Biochemistry** 1984 Nov 6;23(23):5523-7

Assignment of acyl chain resonances from membranes of mammalian cells by two-dimensional NMR methods. Cross KJ, et al. **Biochemistry** 1984 Dec 4;23(25):5895-7

High-resolution nitrogen-15 nuclear magnetic resonance studies of alpha-lytic protease in solid state. Direct comparison of enzyme structure in solution and in the solid state. Huang TH, et al. **Biochemistry** 1984 Dec 4; 23(25):5933-7

Correlation of 19F-NMR spectra of halothane in rat tumor and non-tumor tissues with membrane alterations. Moore RR, et al. **Biochim Biophys Acta** 1985 Mar 21;844(3):346-51

Conformation of double-stranded polydeoxynucleotides in solution by proton two-dimensional nuclear Overhauser enhancement spectroscopy. Borah B, et al. **Biopolymers** 1985 May;24(5):747-65

Biomedical implications of the relaxation behaviour of water related to NMR imaging. Mathur-De Vré R. **Br J Radiol** 1984 Nov;57(683):955-76

Magnetic resonance imaging (MRI, NMR) scan in a case of callosal apraxia and pseudoneglect. Watson RT, et al. **Brain** 1985 Jun;108 (Pt 2):535-6

Computed tomography and nuclear magnetic resonance imaging of the brain in multiple sclerosis: a review. Moseley I. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):63-76 (71 ref.)

Use of high-resolution 31P-labeled topical magnetic resonance spectroscopy to monitor in vivo tumor metabolism in rats. Irving MG, et al. **Cancer Res** 1985 Feb; 45(2):481-6

Detection and characterization of acute myocardial infarction in man with use of gated magnetic resonance. McNamara MT, et al. **Circulation** 1985 Apr;71(4):717-24

Complete urinary excretion profile of 5-fluorouracil during a six-day chemotherapeutic schedule, as resolved by 19F nuclear magnetic resonance. Bernadou J, et al. **Clin Chem** 1985 Jun;31(6):846-8

Investigation of cerebral energy metabolism in newborn infants by phosphorus nuclear magnetic resonance spectroscopy. Hope PL, et al. **Clin Perinatol** 1985 Feb; 12(1):261-75

Magnetic resonance imaging. Where did it come from? What is it? Where is it going? Part I. History and physical principles. Hawkins HB, et al. **Conn Med** 1984 Sep; 48(9):575-7

Nuclear magnetic resonance: status of clinical application. Kneeland JB, et al. **Cornell Vet** 1985 Jan;75(1):130-58 (62 ref.)

Phosphorus-31 NMR as a probe for phosphoproteins. James TL. **CRC Crit Rev Biochem** 1985;18(1):1-30 (77 ref.)

NMR proton imaging. Battocletti JH. **Crit Rev Biomed Eng** 1984;11(4):313-61 (106 ref.)

Progress toward the establishment of nuclear magnetic resonance measurements as an index of in vivo lens functional integrity. Farnsworth PN, et al. **Curr Eye Res** 1985 Mar;4(3):291-7

Time resolved assessment of ischemic myocardial tolerance in normothermia and hypothermia by 31P nuclear magnetic resonance. Walpoth B, et al. **Curr Surg** 1985 May-Jun; 42(3):198-201

Magnetic resonance imaging of spinal cord syndromes. Gräfin von Einsiedel H, et al. **Eur J Radiol** 1985 May; 5(2):127-32

Asymptomatic primary empty sella in a 14-year-old girl: comparison of computer tomography and nuclear magnetic resonance imaging. von Petrykowski W, et al. **Horm Res** 1985;22(1-2):58-62

Pittsburgh area is home of largest MRI joint venture. **Hospitals** 1985 Aug 16;59(16):106

State regulation of MRIs appears to shift direction. **Hospitals** 1985 Aug 16;59(16):105-6

Sizing up freestanding imaging centers. Goodhart MD. **Hospitals** 1984 Oct 16;58(20):99-101, 104

Calculation of zero-crossing and spin-lattice relaxation time pictures in inversion recovery NMR imaging. Bakker CJ, et al. **IEEE Trans Biomed Eng** 1985 Jul;32(7):535-9

NMR physics for physicians. Ellis JH, et al. **Indiana Med** 1985 Jan;78(1):20-8

Study of vitreous liquifaction by NMR spectroscopy and imaging. Aguayo J, et al. **Invest Ophthalmol Vis Sci** 1985 May;26(5):692-7

Changes in cardiac excitability and vulnerability in NMR fields. Doherty JU, et al. **Invest Radiol** 1985 Mar-Apr; 20(2):129-35

Studies of tissue NMR relaxation enhancement by manganese. Dose and time dependences. Kang YS, et al. **Invest Radiol** 1984 Sep-Oct;19(5):399-407

Magnetic field dependence of 1/T1 of protons in tissue. Koenig SH, et al. **Invest Radiol** 1984 Mar-Apr;19(2):76-81

Paramagnetic NMR contrast agents. Development and evaluation. Runge VM, et al. **Invest Radiol** 1984 Sep-Oct; 19(5):408-15

Comparison of magnetic resonance imaging and echocardiography in determination of cardiac dimensions in normal subjects. Friedman BJ, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1369-76

Assessment of cardiac anatomy using nuclear magnetic resonance imaging. Higgins CB, et al. **J Am Coll Cardiol** 1985 Jan;5(1 Suppl):77S-81S

Correlations between CNDO/2 charge distribution and 13C NMR chemical shift in 7-acylamino side chains of cephalosporins. Graves BJ, et al. **J Antibiot (Tokyo)** 1984 Dec;37(12):1642-50

In vivo studies of energy metabolism in experimental cerebral ischemia using topical magnetic resonance. Changes in 31P-nuclear magnetic resonance spectra compared with electroencephalograms and regional cerebral blood flow. Horikawa Y, et al. **J Cereb Blood Flow Metab** 1985 Jun; 5(2):235-40

Correlations between proton nuclear magnetic resonance imaging and retrospective histochemical images in experimental cerebral infarction. Kato H, et al. **J Cereb Blood Flow Metab** 1985 Jun;5(2):267-74

Combinatorial problems in computer-assisted structural interpretation of carbon-13 NMR spectra. Lipkus AH, et al. **J Chem Inf Comput Sci** 1985 Feb;25(1):38-45

Nuclear magnetic resonance spectroscopy in diagnostic and investigative medicine. Shulman GI, et al. **J Clin Invest** 1984 Oct;74(4):1127-31 (41 ref.)

Proton NMR spectroscopy of Alcaligenes cytochrome c556. Timkovich R, et al. **J Inorg Biochem** 1984 Sep;22(1):21-32

Imaging: magnetic resonance imaging (MRI). Jewel KL, et al. **J Med Soc NJ** 1984 Oct;81(10):884-8

An evaluation of the combined use of nuclear magnetic resonance and distance geometry for the determination of protein conformations in solution. Havel TF, et al. **J Mol Biol** 1985 Mar 20;182(2):281-94

Studies of rat brain metabolism using proton nuclear magnetic resonance: spectral assignments and monitoring of prolidase, acetylcholinesterase, and glutaminase. Middlehurst CR, et al. **J Neurochem** 1984 Dec;43(6):1561-7

CT and MR for brain tumor implant therapy using CF-252 neutrons. Maruyama Y, et al. **J Neurooncol** 1984; 2(4):349-60

Synthesis of the 19-functionalised visual pigment analogue. Ito M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Dec; 30(6):577-80

Nuclear magnetic resonance imaging in orthopaedics: principles and applications. Moon KL Jr, et al. **J Orthop Res** 1983;1(1):101-14

Applications of nuclear magnetic resonance to surgical disease: a collective review. Whitman GJ, et al. **J Surg Res** 1985 Feb;38(2):187-99 (95 ref.)

Computer simulation of the P31 NMR equations governing the creatine kinase reaction. DeFuria RR, et al. **J Theor Biol** 1985 May 7;114(1):75-91

Phosphoethanolamine is major constituent of phosphomonester peak detected by 31P NMR in newborn brain [letter] Brenton DP, et al. **Lancet** 1985 Jan 12; 1(8420):115

Brain water in chronic alcoholic patients measured by magnetic resonance imaging [letter] Smith MA, et al. **Lancet** 1985 Jun 1;1(8440):1273-4

Glossary of NMR terms. American College of Radiology, Subcommittee on NMR Nomenclature and Phantom Development. **Magn Reson Imaging** 1984;2(2):131-46

A study of the freezing of water in human uterine muscle by proton magnetic resonance. Adamski J, et al. **Magn Reson Imaging** 1985;3(2):125-30

Relaxation times and NMR signals. Axel L. **Magn Reson Imaging** 1984;2(2):121-30

Effect of nuclear magnetic resonance on early stages of amphibian development. Prasad N, et al. **Magn Reson Imaging** 1982;1(1):35-8

Magnetic resonance imaging. **Med Lett Drugs Ther** 1985 May 10;27(687):43-4

A review of normal tissue hydrogen NMR relaxation times and relaxation mechanisms from 1-100 MHz: dependence on tissue type, NMR frequency, temperature, species, excision, and age. Bottomley PA, et al. **Med Phys** 1984 Jul-Aug;11(4):425-48

The relationship between NMR spin-lattice relaxation times for human tumor tissue at 24 and 6.25 MHz. Ekstrand KE, et al. **Med Phys** 1984 Nov-Dec;11(6):764-6

Nuclear magnetic resonance of convective dispersive flow. Harpen MD. **Med Phys** 1985 May-Jun;12(3):317-20

Recent developments in biochemical nuclear magnetic resonance spectroscopy. Bock JL. **Methods Biochem Anal** 1985;31:259-315 (256 ref.)

Proton (1H) nuclear magnetic resonance (NMR) imaging in stroke syndromes. Buonanno FS, et al. **Neurol Clin** 1983 Feb;1(1):243-62

Comparison of metrizamide computed tomography and magnetic resonance imaging in the evaluation of lesions at the cervicomedullary junction. Bosley TM, et al. **Neurology** 1985 Apr;35(4):485-92

Magnetic resonance imaging and characterization of normal and abnormal intracranial cerebrospinal fluid (CSF) spaces. Brant-Zawadzki M, et al. **Neuroradiology** 1985;27(1):3-8

Resistive NMR of brain stem gliomas. Zimmerman RA, et al. **Neuroradiology** 1985;27(1):21-5

Resistive NMR of intracranial hematomas. Zimmerman RA, et al. **Neuroradiology** 1985;27(1):16-20

Nuclear magnetic resonance of the spine: clinical potential and limitation. Modic MT, et al. **Neurosurgery** 1984 Oct; 15(4):583-92

Magnetic resonance imaging of the musculoskeletal system. Richardson ML, et al. **Orthop Clin North Am** 1985 Jul; 16(3):569-87

Magnetic resonance imaging of lesions of the posterior fossa and upper cervical cord in childhood. Packer RJ, et al. **Pediatrics** 1985 Jul;76(1):84-90

In vivo solvent-suppressed localized hydrogen nuclear magnetic resonance spectroscopy: a window to metabolism? Bottomley PA, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2148-52

In vivo nuclear magnetic resonance chemical shift imaging by selective irradiation. Bottomley PA, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6856-60

Your watch and NMR imaging. Sayegh C. **Prog Nucl Med** 1984;8:173-4

NMR studies of enzymatic rates in vitro and in vivo by magnetization transfer. Alger JR, et al. **Q Rev Biophys** 1984 Feb;17(1):83-124 (44 ref.)

The principles of NMR imaging and a review of early clinical results. Kressel HY. **Radiat Med** 1983 Jul-Sep;1(3):197-204

'Teach-in' on magnetic resonance imaging. Naughton A, et al. **Radiography** 1984 Sep-Oct;50(593):205-8

An ABC of NMR. A guide to the physics and terminology. Thornton M. **Radiography** 1984 Sep-Oct;50(593):221-7

Magnetic resonance imaging of pituitary lesions using 1.0 to 1.5 T field strength. Bilaniuk LT, et al. **Radiology** 1984 Nov;153(2):415-8

Cerebral magnetic resonance: comparison of high and low field strength imaging. Bilaniuk LT, et al. **Radiology** 1984 Nov;153(2):409-14

Magnetic resonance relaxation times of percutaneously obtained normal and abnormal body fluids. Brown JJ, et al. **Radiology** 1985 Mar;154(3):727-31

Magnetic resonance imaging of the lymph nodes: comparison with CT. Dooms GC, et al. **Radiology** 1984 Dec; 153(3):719-28

Hepatic cirrhosis: magnetic resonance imaging. Goldberg HI, et al. **Radiology** 1984 Dec;153(3):737-9

MR imaging technology: maximizing the signal-to-noise ratio from a single tissue. Hendrick RE, et al. **Radiology** 1985 Sep;156(3):749-52

Tissue relaxation time: in vivo field dependence. Johnson GA, et al. **Radiology** 1985 Sep;156(3):805-10

Magnetic resonance imaging systems: optimization in clinical use. Kneeland JB, et al. **Radiology** 1984 Nov;153(2):473-8

Magnetic resonance imaging in the diagnosis of breast disease: use of transverse relaxation times. McSweeney MB, et al. **Radiology** 1984 Dec;153(3):741-4

The pituitary fossa: a correlative anatomic and MR study. Mark L, et al. **Radiology** 1984 Nov;153(2):453-7

In vivo MR spectroscopic imaging with P-31. Work in progress. Maudsley AA, et al. **Radiology** 1984 Dec; 153(3):745-50

Analytical tools for magnetic resonance imaging. Ortendahl DA, et al. **Radiology** 1984 Nov;153(2):479-88

Lumbar intervertebral disk: correlative MR and anatomic study. Pech P, et al. **Radiology** 1985 Sep;156(3):699-701

Syringomyelia and hydromyelia: magnetic resonance evaluation. Pojunas K, et al. **Radiology** 1984 Dec; 153(3):679-83

Variable magnetic resonance imaging parameters: effect on detection and characterization of lesions. Posin JP, et al. **Radiology** 1985 Jun;155(3):719-25

Tissue distribution and magnetic resonance spin lattice relaxation effects of gadolinium-DTPA. Strich G, et al. **Radiology** 1985 Mar;154(3):723-6

Coronal magnetic resonance imaging of the chest: normal and abnormal. Webb WR, et al. **Radiology** 1984 Dec; 153(3):729-35

MR effect on murine spermatogenesis. Withers HR, et al. **Radiology** 1985 Sep;156(3):741-2

Magnetic resonance imaging: absence of in vitro cytogenetic damage. Wolff S, et al. **Radiology** 1985 Apr;155(1):163-5

Magnetic resonance imaging following unilateral occlusion of the renal circulation in rabbits. Yuasa Y, et al. **Radiology** 1985 Jan;154(1):151-6

Medical applications of nuclear magnetic resonance. Wynchank S, et al. **S Afr Med J** 1985 Jan 12;67(2):43-8

Nuclear magnetic resonance technology for medical studies. Budinger TF, et al. **Science** 1984 Oct 19;226(4672):288-98 (73 ref.)

High-resolution proton nuclear magnetic resonance analysis of metastatic cancer cells. Mountford CE, et al. **Science** 1984 Dec 21;226(4681):1415-8

Nuclear magnetic resonance imaging in neuro-ophthalmology. Demonstration of a pontine glioma. Carr WA, et al. **Surv Ophthalmol** 1984 Jul-Aug;29(1):79-83

A new model of heterotopic rat heart transplantation with application for in vivo 31P nuclear magnetic resonance spectroscopy. Miller JE, et al. **Transplantation** 1985 May; 39(5):555-8

Inherent contrast in magnetic resonance imaging and the potential for contrast enhancement. The 1984 L. Henry Garland lecture. Brasch RC. **West J Med** 1985 Jun; 142(6):847-53

[Nuclear magnetic resonance (NMR) and tissue imaging] Jirásek JE. **Cesk Gynekol** 1984 Sep;49(8):599-600 **(Cze)**

[New imaging methods] Dienstbier Z. **Vnitr Lek** 1985 Apr; 31(4):342-6 (Eng. Abstr.) **(Cze)**

[Contrast principles in nuclear magnetic resonance imaging] Mathieu E. **Ann Radiol (Paris)** 1984 Sep-Oct;27(6):502-6 (48 ref.) (Eng. Abstr.) **(Fre)**

[Microcomputer simulation of nuclear magnetic resonance imaging contrasts] Le Bihan D. **J Radiol** 1985 Apr; 66(4):303-8 (Eng. Abstr.) **(Fre)**

[Synthesis of glycosides and sugar orthoesters of 9,10-dihydrolysergol] Seifert K, et al. **Arch Pharm (Weinheim)** 1984 Jul;317(7):577-83 (Eng. Abstr.) **(Ger)**

[Magnetic resonance in cerebral echinococcosis alveolaris] Bauer WM, et al. **Digitale Bilddiagn** 1984 Sep;4(3):129-31 (Eng. Abstr.) **(Ger)**

[Nuclear magnetic tomography in cervical lymph node swellings] Vogl T, et al. **Digitale Bilddiagn** 1984 Sep; 4(3):132-4 (Eng. Abstr.) **(Ger)**

[Clinical significance of nuclear magnetic resonance tomography in urology. Initial experiences] Beer M, et al. **Fortschr Med** 1984 Sep 27;102(36):891-4 (Eng. Abstr.) **(Ger)**

[Value of sonography, computer tomography, hepatobiliary scintigraphy and nuclear magnetic tomography in diseases of the gallbladder and bile ducts] Fiegler W, et al. **Rontgenblatter** 1984 Sep;37(9):327-32 (Eng. Abstr.) **(Ger)**

[Normal anatomic structures of the body in the MR tomogram: studies with a 0.35 T superconducting magnet. 1. General imaging characteristics, facial bones, neck, heart and mediastinum] Reiser M, et al. **Rontgenpraxis** 1984 Dec; 37(12):440-7 **(Ger)**

[White and black in nuclear magnetic resonance (NMR). Impulse sequences and their significance in the NMR image] Biondetti PR, et al. **Radiol Med (Torino)** 1985 Mar; 71(3):110-7 (Eng. Abstr.) **(Ita)**

[Prospects of a correlation between computerized magnetic resonance tomography, x-ray transmission computerized tomography and nuclear medicine] Del Maschio A, et al. **Radiol Med (Torino)** 1984 Oct;70(10):767-75 (35 ref.) **(Ita)**

[13C-nuclear magnetic resonance of nitro compounds and triazenes produced by decomposition of trisubstituted nitrosoureas] Sueyoshi S, et al. **Eisei Shikenjo Hokoku** 1984; (102):108-12 (Eng. Abstr.) **(Jpn)**

[Nuclear magnetic resonance investigations of DMBA-induced rat breast cancers--the relationship between tumor doubling times and water proton spin-lattice relaxation times] Kimijima I, et al. **Gan No Rinsho** 1985 Apr;31(4):394-8 (Eng. Abstr.) **(Jpn)**

[Application of NMR in the study of cell membrane] Terada H. **Nippon Rinsho** 1985 Apr;43(4):714-9 **(Jpn)**

[An approach to estimation of internal pH of bacterial spores by 31P nuclear magnetic resonance] Shibata H, et al. **Nippon Saikingaku Zasshi** 1984 Jul;39(4):749-55 (Eng. Abstr.) **(Jpn)**

[NMR imaging of a child's brain. 1. A normal example] Shirakuni T, et al. **No To Hattatsu** 1984 Nov;16(6):492-4 **(Jpn)**

[Nuclear magnetic resonance study of the immature rat brain] Masumura M, et al. **No To Shinkei** 1984 Aug;36(8):805-11 (Eng. Abstr.) **(Jpn)**

[Structural analysis of glycosphingolipids by nuclear magnetic resonance spectroscopy] Gasa S. **Seikagaku** 1984 Sep;56(9):1146-51 **(Jpn)**

[NMR tomography in the study of pathological processes in living organisms (in vivo)] Naidich VI, et al. **Dokl Akad Nauk SSSR** 1984;278(6):1482-4 **(Rus)**

[Proton magnetic resonance spectra of lymphocytes in experimental leukemia] Shkarin PIu, et al. **Dokl Akad Nauk SSSR** 1985;281(4):981-3 **(Rus)**

[Use of nuclear magnetic resonance in neurology (review)] Kossovoi AL. **Zh Nevropatol Psikhiatr** 1984;84(10):1574-8 (37 ref.) **(Rus)**

[Use of modern electronics in surgery] Serafimov K. **Acta Chir Iugosl** 1984;31 Suppl 1:31-47 (Eng. Abstr.) **(Scr)**

[Nuclear magnetic resonance (letter)] Nogueira March JL. **Actas Urol Esp** 1984 Sep-Oct;8(5):343-4 **(Spa)**

[New technics in diagnostic imaging] Pérez Candela V. **An Esp Pediatr** 1984 Oct 15;21(5):501-2 **(Spa)**

[Nuclear magnetic resonance spectroscopy for the determination of biological structure] Eriksson B, et al. **Lakartidningen** 1985 May 29;82(22):2061-3 **(Swe)**

DIAGNOSTIC USE

Magnetic resonance imaging of renal abscess in an experimental animal model. Hamlin DJ, et al. **Acta Radiol [Diagn] (Stockh)** 1985 May-Jun;26(3):315-9

Magnetic resonance imaging of sacrococcygeal tumors. Pettersson H, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Mar-Apr;26(2):161-5

Magnetic resonance imaging and tissue characterization of a renal cell carcinoma and its osseous metastasis. Report of a case. Pettersson H, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Mar-Apr;26(2):193-5

Magnetic resonance imaging of the musculoskeletal system. Pettersson H, et al. **Acta Radiol [Diagn] (Stockh)** 1985 May-Jun;26(3):225-34

Magnetic resonance imaging of vascular lesions in children. Assessment of flow patterns. Ringertz HG, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(6):449-56

A phosphorus-31 nuclear magnetic resonance study of effects of altered thyroid state on cardiac bioenergetics. Keogh JM, et al. **Adv Myocardiol** 1985;6:299-309

In vivo phosphorus-31 nuclear magnetic resonance study of the regional metabolic response to cardiac ischemia. Malloy CR, et al. **Adv Myocardiol** 1985;6:461-4

Carbon-13 and phosphorus-31 nuclear magnetic resonance studies of myocardial metabolism in live guinea pigs. Neurohr KJ, et al. **Adv Myocardiol** 1985;6:185-93

Nuclear magnetic resonance imaging of the central nervous system. Bydder GM. **Adv Tech Stand Neurosurg** 1984; 11:7-35

Magnetic resonance imaging in infections of the central nervous system. Davidson HD, et al. **AJNR** 1985 Jul-Aug; 6(4):499-504

Demonstration of diastematomyelia and associated abnormalities with MR imaging. Han JS, et al. **AJNR** 1985 Mar-Apr;6(2):215-9

0.6 T MR imaging of the cervical spine: multislice and multiecho techniques. Hyman RA, et al. **AJNR** 1985 Mar-Apr;6(2):229-36

Magnetic resonance imaging in multiple sclerosis: results in 32 cases. Jackson JA, et al. **AJNR** 1985 Mar-Apr;6(2):171-6

Magnetic resonance imaging: serial observations in multiple sclerosis. Johnson MA, et al. **AJNR** 1984 Sep-Oct; 5(5):495-9

Magnetic resonance imaging of the brain in Hurler syndrome. Johnson MA, et al. **AJNR** 1984 Nov-Dec;5(6):816-9

Acoustic neuromas: evaluation by magnetic resonance imaging. Kingsley DP, et al. **AJNR** 1985 Jan-Feb;6(1):1-5

MR measurement of normal and pathologic brainstem diameters. Koehler PR, et al. **AJNR** 1985 May-Jun; 6(3):425-7

Chronic seizure disorders: contribution of MR imaging when CT is normal. Laster DW, et al. **AJNR** 1985 Mar-Apr; 6(2):177-80

MR imaging of brainstem tumors. Lee BC, et al. **AJNR** 1985 Mar-Apr;6(2):159-63

MR imaging of the craniocervical junction. Lee BC, et al. **AJNR** 1985 Mar-Apr;6(2):209-13

Magnetic resonance imaging of the lumbar spine with CT correlation. Maravilla KR, et al. **AJNR** 1985 Mar-Apr; 6(2):237-45

Magnetic resonance imaging of intracranial tumors in children and adolescents. Peterman SB, et al. **AJNR** 1984 Nov-Dec;5(6):703-9

Magnetic resonance imaging of spinal-cord hemangioblastoma. Rebner M, et al. **AJNR** 1985 Mar-Apr; 6(2):287-9

Dyke Award. Evaluation of contrast-enhanced MR imaging in a brain-abscess model. Runge VM, et al. **AJNR** 1985 Mar-Apr;6(2):139-47

Magnetic resonance imaging of a venous angioma. Scott JA, et al. **AJNR** 1985 Mar-Apr;6(2):284-6

MR imaging of orbital and ocular disease. Sobel DF, et al. **AJNR** 1985 Mar-Apr;6(2):259-64

Eye artifacts from mascara in MRI [letter] Wright RM, et al. **AJNR** 1985 Jul-Aug;6(4):652

Proton imaging and phosphorus spectroscopy in a malignant glioma. Zimmerman RA, et al. **AJNR** 1985 Jan-Feb; 6(1):109-10

Magnetic resonance imaging of meningiomas. Zimmerman RD, et al. **AJNR** 1985 Mar-Apr;6(2):149-57

MR imaging of systemic lupus erythematosus involving the brain. Aisen AM, et al. **AJR** 1985 May;144(5):1027-31

Magnetic resonance imaging of aortic disease: preliminary results. Amparo EG, et al. **AJR** 1984 Dec;143(6):1203-9

Gated MRI of cardiac and paracardiac masses: initial experience. Amparo EG, et al. **AJR** 1984 Dec; 143(6):1151-6

Demonstration of coarctation of the aorta by magnetic resonance imaging. Amparo EG, et al. **AJR** 1984 Dec; 143(6):1192-4

Blood flow effects in magnetic resonance imaging. Axel L. **AJR** 1984 Dec;143(6):1157-66

Assessment of primary gynecologic malignancies: comparison of 0.15-T resistive MRI with CT. Bies JR, et al. **AJR** 1984 Dec;143(6):1249-57

The appearance of rapidly flowing blood on magnetic resonance images. Bradley WG Jr, et al. **AJR** 1984 Dec; 143(6):1167-74

Clinical and in vitro magnetic resonance imaging of prostatic carcinoma. Buonocore E, et al. **AJR** 1984 Dec; 143(6):1267-72

Magnetic resonance imaging of the abnormal female pelvis. Butler H, et al. **AJR** 1984 Dec;143(6):1259-66

Nongated cardiac magnetic resonance imaging: preliminary experience at 0.12 T. Choyke PL, et al. **AJR** 1984 Dec; 143(6):1143-50

MR imaging of a viable full-term abdominal pregnancy. Cohen JM, et al. **AJR** 1985 Aug;145(2):407-8

Magnetic resonance imaging of neuroblastoma with a 0.15-T magnet. Cohen MD, et al. **AJR** 1984 Dec;143(6):1241-8

Transferring MR images to radiotherapy localization films. Daffner RH, et al. **AJR** 1985 Jul;145(1):186-7

Magnetic resonance imaging of the cavernous sinus. Daniels DL, et al. **AJR** 1985 May;144(5):1009-14

Surface-coil magnetic resonance imaging of the internal auditory canal. Daniels DL, et al. **AJR** 1985 Sep; 145(3):469-72

Magnetic resonance imaging of the interatrial septum and atrial septal defects. Dinsmore RE, et al. **AJR** 1985 Oct; 145(4):697-703

Magnetic resonance imaging of the heart: positioning and gradient angle selection for optimal imaging planes. Dinsmore RE, et al. **AJR** 1984 Dec;143(6):1135-42

0.6 T magnetic resonance imaging of the orbit. Edwards JH, et al. **AJR** 1985 May;144(5):1015-20

Economic and utilization analysis of magnetic resonance imaging units in the United States in 1985. Evens RG, et al. **AJR** 1985 Aug;145(2):393-8

Calcific fibrosing mediastinitis: demonstration of pulmonary vascular obstruction by magnetic resonance imaging. Farmer DW, et al. **AJR** 1984 Dec;143(6):1189-91

Multiphasic cardiac magnetic resonance imaging: normal regional left ventricular wall thickening. Fisher MR, et al. **AJR** 1985 Jul;145(1):27-30

Magnetic resonance imaging of developmental venous anomalies. Fisher MR, et al. **AJR** 1985 Oct;145(4):705-9

Magnetic resonance imaging of aneurysms of the abdominal aorta. Flak B, et al. **AJR** 1985 May;144(5):991-6

Magnetic resonance imaging of renal transplants. Geisinger MA, et al. **AJR** 1984 Dec;143(6):1229-34

Imaging of the pulmonary hilum: a prospective comparative study in patients with lung cancer. Glazer GM, et al. **AJR** 1985 Aug;145(2):245-8

Comparison of gated cardiac MRI and 2D echocardiography of intracardiac neoplasms. Go RT, et al. **AJR** 1985 Jul; 145(1):21-5

Magnetic resonance imaging of the pelvis: evaluation of ovarian masses at 0.15 T. Hamlin DJ, et al. **AJR** 1985 Sep; 145(3):585-90

Oblique magnetic resonance imaging of normal structures. Huber DJ, et al. **AJR** 1985 Oct;145(4):843-6

Reproducibility of relaxation times and spin density calculated from routine MR imaging sequences: clinical study of the CNS. Kjos BO, et al. **AJR** 1985 Jun; 144(6):1165-70

MR imaging of syringomyelia and hydromyelia. Lee BC, et al. **AJR** 1985 Jun;144(6):1149-56

Magnetic resonance imaging of abdominal aortic aneurysms. Lee JK, et al. **AJR** 1984 Dec;143(6):1197-202

Magnetic resonance imaging of the kidneys. Leung AW, et al. **AJR** 1984 Dec;143(6):1215-27

Magnetic resonance imaging of mediastinal and hilar masses: comparison with CT. Levitt RG, et al. **AJR** 1985 Jul; 145(1):9-14

Application of surface coils to MR anatomy of the larynx. Lufkin RB, et al. **AJR** 1985 Sep;145(3):483-9

Magnetic resonance imaging of fetal anomalies in utero: early experience. McCarthy SM, et al. **AJR** 1985 Oct; 145(4):677-82

Magnetic resonance demonstration of multiple sclerosis plaques in the cervical cord. Maravilla KR, et al. **AJR** 1985 Feb;144(2):381-5

Magnetic resonance imaging of postoperative patients with metallic implants. Mechlin M, et al. **AJR** 1984 Dec; 143(6):1281-4

MRI of chronic posttraumatic false aneurysms of the thoracic aorta. Moore EH, et al. **AJR** 1984 Dec;143(6):1195-6

MR imaging of the acoustic nerves and small acoustic neuromas at 0.6 T: prospective study. New PF, et al. **AJR** 1985 May;144(5):1021-6

Magnetic resonance imaging of the thorax: the advantages of coronal and sagittal planes. O'Donovan PB, et al. **AJR** 1984 Dec;143(6):1183-8

Magnetic resonance imaging of fibrosing mediastinitis. Rholl KS, et al. **AJR** 1985 Aug;145(2):255-9

Sacrococcygeal chordoma: magnetic resonance imaging and computed tomography. Rosenthal DI, et al. **AJR** 1985 Jul; 145(1):143-7

Magnetic resonance imaging of multiple sclerosis: a study of pulse-technique efficacy. Runge VM, et al. **AJR** 1984 Nov;143(5):1015-26

Improved MR imaging of the orbit at 1.5 T with surface coils. Schenck JF, et al. **AJR** 1985 May;144(5):1033-6

Magnetic resonance imaging of the adrenal glands: a comparison with computed tomography. Schultz CL, et al. **AJR** 1984 Dec;143(6):1235-40

MR evaluation of Chiari I malformations at 0.15 T. Spinos E, et al. **AJR** 1985 Jun;144(6):1143-8

Magnetic resonance imaging of cavernous hemangioma of the liver: tissue-specific characterization. Stark DD, et al. **AJR** 1985 Aug;145(2):213-22

Magnetic resonance imaging of the normal and ischemic femoral head. Totty WG, et al. **AJR** 1984 Dec; 143(6):1273-80

Magnetic resonance imaging in the evaluation of abscesses. Wall SD, et al. **AJR** 1985 Jun;144(6):1217-21

Chemical shift artifact in clinical magnetic resonance images at 0.35 T. Weinreb JC, et al. **AJR** 1985 Jul;145(1):183-5

Magnetic resonance imaging of hepatic lymphoma. Weinreb JC, et al. **AJR** 1984 Dec;143(6):1211-4

Magnetic resonance imaging: improving patient tolerance and safety. Weinreb JC, et al. **AJR** 1984 Dec;143(6):1285–7

Benign and malignant breast disease: magnetic resonance and radiofrequency pulse sequences. el Yousef SJ, et al. **AJR** 1985 Jul;145(1):1–8

Magnetic resonance imaging. Koehler RE. **Ala J Med Sci** 1985 Apr;22(2):141–3

NMR evaluation of the cardiovascular system. Reeves RC, et al. **Ala J Med Sci** 1985 Jul;22(3):288–97

Magnetic resonance imaging of the abdomen. Tishler JM, et al. **Ala J Med Sci** 1985 Jan;22(1):76–80

Magnetic resonance imaging; early experience with high field strength superconducting magnet. Naftel RS. **Ala Med** 1985 Jul;55(1):30–3, 36–41

Nuclear magnetic resonance analysis of acute myocardial infarction in dogs: the effects of transient coronary ischemia of varying duration and reperfusion on spin lattice relaxation times. Brown JJ, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):486–90

Magnetic resonance imaging of the cardiovascular system. Higgins CB, et al. **Am Heart J** 1985 Jan;109(1):136–52 (52 ref.)

Magnetic resonance imaging in patients with hypoplastic right heart syndrome. Jacobstein MD, et al. **Am Heart J** 1985 Jul;110(1 Pt 1):154–8

Normal cardiac dimensions by magnetic resonance imaging. Byrd BF 3d, et al. **Am J Cardiol** 1985 May 1;55(11):1440–2

Magnetic resonance imaging in hypertrophic cardiomyopathy. Higgins CB, et al. **Am J Cardiol** 1985 Apr 15;55(9):1121–6

Evaluation of atrioventricular septal defect by magnetic resonance imaging. Jacobstein MD, et al. **Am J Cardiol** 1985 Apr 15;55(9):1158–61

Magnetic resonance imaging in aortic valve, ascending aortic and isthmic aortic disease. Rehr RB, et al. **Am J Cardiol** 1985 Apr 15;55(9):1243–4

Congenital absence of the left portion of parietal pericardium demonstrated by nuclear magnetic resonance imaging. Schiavone WA, et al. **Am J Cardiol** 1985 May 1;55(11):1439–40

Magnetic resonance imaging of constrictive pericardial disease. Soulen RL, et al. **Am J Cardiol** 1985 Feb 1;55(4):480–4

Gynecologic masses: value of magnetic resonance imaging. Hricak H, et al. **Am J Obstet Gynecol** 1985 Sep 1;153(1):31–7

Nuclear magnetic resonance imaging. Smith SL. **Anal Chem** 1985 Apr;57(4):595A–608A

Patient monitoring during magnetic resonance imaging. Roth JL, et al. **Anesthesiology** 1985 Jan;62(1):80–3

Magnetic resonance imaging: present costs and potential gains [editorial] Schroeder SA. **Ann Intern Med** 1985 Apr;102(4):551–3

Pathologic blood flow in pulmonary vascular disease as shown by gated magnetic resonance imaging. von Schulthess GK, et al. **Ann Intern Med** 1985 Sep;103(3):317–23

EEC workshop: Identification and characterization of biological tissues by NMR. Rome, 18–20 May 1983. **Ann Ist Super Sanita** 1983;19(1):1–207

The NMR proton relaxation in biological fluids: a good way to identify precisely healthy or pathological states. Bene GJ. **Ann Ist Super Sanita** 1983;19(1):121–6

Relaxation measurements in excised and perfused organs. Chambron G, et al. **Ann Ist Super Sanita** 1983;19(1):127–36

Practical considerations in the assessment of noise-limited medical images: with special reference to nuclear magnetic resonance imaging. Cowen AR. **Ann Ist Super Sanita** 1983;19(1):175–89

Measurement and meaning of relaxation times: specific and non-specific variations in cancer. de Certaines JD. **Ann Ist Super Sanita** 1983;19(1):107–20 (72 ref.)

Present trends of NMR technology in medicine. De Luca F, et al. **Ann Ist Super Sanita** 1983;19(1):9–12

Tissue discrimination in vivo by NMR imaging. Foster MA. **Ann Ist Super Sanita** 1983;19(1):89–101

Principles and practical aspects of contrast agents for NMR imaging. Lhoste JM. **Ann Ist Super Sanita** 1983;19(1):155–61

Effects of relaxation time constants in NMR imaging. Luiten AL. **Ann Ist Super Sanita** 1983;19(1):43–5

The biophysics of the relaxation properties of water in biological systems. Mathur-De Vré R. **Ann Ist Super Sanita** 1983;19(1):19–24

Expression of relaxation properties within the NMR image. Orr JS, et al. **Ann Ist Super Sanita** 1983;19(1):13–7

Can measurements of proton relaxations of tissues tell us about their bioenergetics? Radda GK. **Ann Ist Super Sanita** 1983;19(1):81–3

Heterogeneities in space, time, and clinical condition influencing the NMR response of tissues. Schmidt KH. **Ann Ist Super Sanita** 1983;19(1):25–9

Influence of age and thermal treatment on the proton NMR response of muscle. Villa M. **Ann Ist Super Sanita** 1983;19(1):145–7

Magnetic resonance imaging and CT scanning in multiple sclerosis. Drayer BP, et al. **Ann NY Acad Sci** 1984;436:294–314

Nuclear magnetic resonance evaluation of fifty children with cancer. Cohen MD, et al. **Ann Radiol (Paris)** 1985;28(3–4):339–43 **(Eng, Fre)**

Cardiosynchronous MRI intensity changes of the great vessels and pulmonary circulation. A preliminary report. Lallemand D, et al. **Ann Radiol (Paris)** 1985;28(3–4):299–307 **(Eng, Fre)**

Magnetic resonance (MR) imaging of aorta and pulmonary circulation. Initial experience with ECG-gating. Lallemand D, et al. **Ann Radiol (Paris)** 1985;28(3–4):289–98 **(Eng, Fre)**

Flow measurements with magnetic resonance. Oppelt A, et al. **Ann Radiol (Paris)** 1985;28(2):101–4

Some factors involving slice shape which affect contrast in nuclear magnetic resonance (NMR) imaging. Young IR, et al. **Ann Radiol (Paris)** 1985;28(2):112–8

Magnetic resonance imaging of clots in the heart and vascular system. Zeitler E, et al. **Ann Radiol (Paris)** 1985;28(2):105–8

Magnetic resonance imaging. Ready yet for widespread clinical use? Selzer PM. **Arch Intern Med** 1984 Dec;144(12):2338–40

Magnetic resonance imaging after 'diffuse' nonmissile head injury. A neurobehavioral study. Levin HS, et al. **Arch Neurol** 1985 Oct;42(10):963–8

Occipital lobe dysplasia. Magnetic resonance findings in two cases of isolated congenital hemianopia. Tychsen L, et al. **Arch Ophthalmol** 1985 May;103(5):680–2

Nuclear magnetic resonance in hypertrophic cardiomyopathy. Been M, et al. **Br Heart J** 1985 Jul;54(1):48–52

Nuclear magnetic resonance (NMR). II. Imaging in dementia. Besson JA, et al. **Br J Psychiatry** 1985 Jan;146:31–5

Nuclear magnetic resonance (NMR): I. Imaging biochemical change. Eastwood LM, et al. **Br J Psychiatry** 1985 Jan;146:26–31

Nuclear magnetic resonance (NMR) imaging of the prostate. Steyn JH, et al. **Br J Urol** 1984 Dec;56(6):679–81

Magnetic resonance imaging and surgical clips. Barrafato D, et al. **Can J Surg** 1984 Sep;27(5):509–10, 512

Magnetic resonance imaging: present and future applications. Johnston DL, et al. **Can Med Assoc J** 1985 Apr 1;132(7):765–77 (63 ref.)

Magnetic resonance imaging: clinical research in Canada. Nicholson RL. **Can Med Assoc J** 1985 Jan 15;132(2):103–6

Magnetic resonance imaging in the evaluation of intracranial tumors of childhood. Packer RJ, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1767–72

Measurements of in vivo 31P nuclear magnetic resonance spectra in neuroectodermal tumors for the evaluation of the effects of chemotherapy. Naruse S, et al. **Cancer Res** 1985 Jun;45(6):2429–33

NMR imaging in transient cerebral ischemia. Gallucci M, et al. **Cephalalgia** 1985 May;5 Suppl 2:65–8

Magnetic resonance imaging in patients with congenital heart disease. Higgins CB, et al. **Circulation** 1984 Nov;70(5):851–60

Assessment of myocardial ischemia with proton magnetic resonance: effects of a three hour coronary occlusion with and without reperfusion. Johnston DL, et al. **Circulation** 1985 Mar;71(3):595–601

Early detection of canine myocardial infarction by magnetic resonance imaging in vivo. Pflugfelder PW, et al. **Circulation** 1985 Mar;71(3):587–94

Early detection of cardiac allograft rejection with proton nuclear magnetic resonance. Sasaguri S, et al. **Circulation** 1985 Sep;72(3 Pt 2):II231–6

Nuclear magnetic resonance studies of fracture repair. Newman RJ, et al. **Clin Orthop** 1985 Sep;(198):297–303

Nuclear magnetic resonance imaging in the diagnosis and follow-up of neonatal cerebral injury. Dubowitz LM, et al. **Clin Perinatol** 1985 Feb;12(1):243–60

Investigation of cerebral energy metabolism in newborn infants by phosphorus nuclear magnetic resonance spectroscopy. Hope PL, et al. **Clin Perinatol** 1985 Feb;12(1):261–75

Topical magnetic resonance for the study of muscle metabolism in human myopathy. Edwards RH, et al. **Clin Physiol** 1985 Apr;5(2):93–109

Orientation of MR images. Axel L. **Comput Radiol** 1984 Sep–Oct;8(5):243–4

Demonstration of innominate artery aneurysm by magnetic resonance/imaging. Chawla K, et al. **Comput Radiol** 1985 May–Jun;9(3):145–8

Magnet systems used in medical NMR. Gordon RE, et al. **Comput Radiol** 1984 Sep–Oct;8(5):245–61

Magnetic resonance imaging of cerebral aspergillosis. Mikhael MA, et al. **Comput Radiol** 1985 Mar–Apr;9(2):85–9

Magnetic resonance imaging. Where did it come from? What is it? Where is it going? Part II. Clinical applications. Cinti DC, et al. **Conn Med** 1984 Sep;48(9):579–83

Nuclear magnetic resonance: preclinical and clinical studies in tumor detection. Koutcher JA. **CRC Crit Rev Oncol Hematol** 1983;1(2):93–128 (86 ref.)

Magnetic resonance imaging in hemosiderosis. Kessing PH, et al. **Diagn Imag Clin Med** 1985;54(1):7–10

Magnetic resonance imaging of the normal female pelvis. Snoep G, et al. **Diagn Imag Clin Med** 1985;54(2):57–63

NMR imaging--its role in medicine. Li D. **Dimens Health Serv** 1983 Oct;60(10):42–3

NMR imaging: current clinical applications. Nicholson L, et al. **Dimens Health Serv** 1984 Dec;61(12):23, 39

NMR and the biochemist. Moore GR, et al. **Essays Biochem** 1983;19:142–95 (110 ref.)

Nuclear magnetic resonance (NMR) proton imaging in cancer. Smith FW. **Eur J Cancer Clin Oncol** 1985 Mar;21(3):379–87

The effects of fluid-mechanical factors on MR imaging in the arterial model. Allgayer B, et al. **Eur J Radiol** 1985 Aug;5(3):231–5

Magnetic resonance (MR) in the diagnosis of pancreatic disease. Anacker H, et al. **Eur J Radiol** 1984 Nov;4(4):265–9

MR in the diagnosis of bone tumours. Reiser M, et al. **Eur J Radiol** 1985 Feb;5(1):1–7

MR-tomography in the diagnosis of malignant soft-tissue tumours. Reiser M, et al. **Eur J Radiol** 1984 Nov;4(4):288–93

Time course and mechanism of alterations in proton relaxation during liver regeneration in the rat. Sostman HD, et al. **Hepatology** 1985 Jul–Aug;5(4):538–43

Diagnosis of syringomyelia. Smith SJ, et al. **IMJ** 1985 Feb;167(2):128–30

Particulate oral NMR contrast agents. Runge VM, et al. **Int J Nucl Med Biol** 1985;12(1):37–42

The imaging revolution and radiation oncology: use of CT, ultrasound, and NMR for localization, treatment planning and treatment delivery. Glatstein E, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):299–314

Magnetic resonance imaging of primary intracranial tumors: a review. Holland BA, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):315–21

Nitroxyl spin label contrast enhancers for magnetic resonance imaging. Studies of acute toxicity and mutagenesis. Afzal V, et al. **Invest Radiol** 1984 Nov–Dec;19(6):549–52

Pharmacokinetics of nitroxide NMR contrast agents. Griffeth LK, et al. **Invest Radiol** 1984 Nov–Dec;19(6):553–62

Imaging of complex NMR spectra. Harrison CG, et al. **Invest Radiol** 1985 Mar–Apr;20(2):180–5

Manganese protoporphyrin IX. A potential intravenous paramagnetic NMR contrast agent: preliminary communication. Jackson LS, et al. **Invest Radiol** 1985 Mar–Apr;20(2):226–9

The importance of the motion of water for magnetic resonance imaging. Koenig SH, et al. **Invest Radiol** 1985 May–Jun;20(3):297–305

In vivo 19F NMR imaging of liver, tumor, and abscess in rats. Preliminary results. Longmaid HE 3d, et al. **Invest Radiol** 1985 Mar–Apr;20(2):141–5

AUR Memorial Award. Two computer models for selection of optimal magnetic resonance imaging (MRI) pulse sequence timing. Mitchell MR, et al. **Invest Radiol** 1984 Sep–Oct;19(5):350–60

Translational molecular self-diffusion in magnetic resonance imaging. I. Effects on observed spin-spin relaxation. Wesbey GE, et al. **Invest Radiol** 1984 Nov–Dec;19(6):484–90

Translational molecular self-diffusion in magnetic resonance imaging. II. Measurement of the self-diffusion coefficient. Wesbey GE, et al. **Invest Radiol** 1984 Nov–Dec;19(6):491–8

The tissue proton T1 and T2 response to gadolinium DTPA injection in rabbits. A potential renal contrast agent for NMR imaging. Wolf GL, et al. **Invest Radiol** 1984 Jul–Aug;19(4):324–8

Current perspectives on medical imaging. James AE Jr, et al. **Isr J Med Sci** 1984 Dec;20(12):1115–22

Detection of myopathies in children by 1H nuclear magnetic resonance (NMR) and comparison with histopathological patterns. Scelsi R, et al. **Ital J Neurol Sci** 1984 Dec;5(4):381–4

Nuclear magnetic resonance spectroscopy: its evolving role in the study of myocardial metabolism. Barrett EJ, et al. **J Am Coll Cardiol** 1985 Sep;6(3):497–501

Tumor of the heart diagnosed by magnetic resonance imaging. Pizzarello RA, et al. **J Am Coll Cardiol** 1985 Apr;5(4):989–91

Diagnosis and therapeutic evaluation of a pediatric case of cardiomyopathy using phosphorus-31 nuclear magnetic resonance spectroscopy. Whitman GJ, et al. **J Am Coll Cardiol** 1985 Mar;5(3):745–9

A new nuclear magnetic resonance property of lung. Morris AH, et al. **J Appl Physiol** 1985 Mar;58(3):759–62

Use of 13C nuclear magnetic resonance spectroscopy for the evaluation of hepatic drug-metabolizing enzyme activity in perfused mouse livers. Pass MA, et al. **J Biochem Biophys Methods** 1984 Dec;10(3–4):135–42

Nuclear magnetic resonance imaging in Legg-Calvé-Perthes disease. Scoles PV, et al. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1357–63

The use of nuclear magnetic resonance in the diagnosis of lateral canal entrapment. Crawshaw C, et al. **J Bone Joint Surg [Br]** 1984 Nov;66(5):711–5

Magnetic resonance imaging in orthopaedic surgery. A glimpse into the future. Reis ND, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):659–64

MR imaging of a choledochal cyst. Alexander MC, et al. **J Comput Assist Tomogr** 1985 Mar–Apr;9(2):357–9

Primary diagnosis of abdominal arteriovenous fistula by MR imaging. Amparo EG, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1140–2

Edge artifacts in MR images: chemical shift effect. Babcock EE, et al. **J Comput Assist Tomogr** 1985 Mar–Apr;9(2):252–7

MR imaging in adrenoleukomyeloneuropathy. Bewermeyer H, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):793–6

MR imaging of meningiomas including studies with and without gadolinium-DTPA. Bydder GM, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):690–7

MR imaging: clinical use of the inversion recovery sequence. Bydder GM, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):659–75

Enhancement of cervical intraspinal tumors in MR imaging with intravenous gadolinium–DTPA. Bydder GM, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):847–51

MR imaging of the normal larynx. Castelijns JA, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):919–25

MR imaging of iliopsoas bursitis and concurrent avascular necrosis of the femoral head. Cohen JM, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):969–71

MR imaging of intramuscular hemorrhage. Dooms GC, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):908–13

Frequency shift artifacts in MR imaging. Dwyer AJ, et al. **J Comput Assist Tomogr** 1985 Jan–Feb;9(1):16–8

Relative intensity of abdominal organs in MR images. Ehman RL, et al. **J Comput Assist Tomogr** 1985 Mar–Apr; 9(2):315–9

MR imaging of pheochromocytomas. Fink IJ, et al. **J Comput Assist Tomogr** 1985 May–Jun;9(3):454–8

Gadolinium–DTPA as a contrast agent in MR imaging––theoretical projections and practical observations. Gadian DG, et al. **J Comput Assist Tomogr** 1985 Mar–Apr;9(2):242–51

Wall of infundibular recess: a CT and MR study. Gomori JM, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):705–7

High–field MR imaging of superficial siderosis of the central nervous system. Gomori JM, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):972–5

Diagnosis of congenital absence of left pericardium by MR imaging. Gutierrez FR, et al. **J Comput Assist Tomogr** 1985 May–Jun;9(3):551–3

MR imaging of uterine leiomyomas and their complications. Hamlin DJ, et al. **J Comput Assist Tomogr** 1985 Sep–Oct; 9(5):902–7

MR imaging of pediatric cerebral abnormalities. Han JS, et al. **J Comput Assist Tomogr** 1985 Jan–Feb;9(1):103–14

In vivo NMR imaging of sodium–23 in the human head. Hilal SK, et al. **J Comput Assist Tomogr** 1985 Jan–Feb;9(1):1–7

MR imaging of brain stem gliomas. Hueftle MG, et al. **J Comput Assist Tomogr** 1985 Mar–Apr;9(2):263–7

A spin echo chemical shift MR imaging technique. Joseph PM. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):651–8

A new headholder for PET, CT, and NMR imaging. Kearfott KJ, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1217–20

Computed tomography, sonography, vesiculography, and MR imaging of a seminal vesicle cyst. Kneeland JB, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):964–6

MR, CT, and ultrasonographic demonstration of splenic vein thrombosis. Kneeland JB, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1199–200

Cerebral MR and CT imaging in Creutzfeldt–Jakob disease. Kovanen J, et al. **J Comput Assist Tomogr** 1985 Jan–Feb; 9(1):125–8

Diagnosis of spinal arteriovenous malformation in a pregnant patient by MR imaging. Kulkarni MV, et al. **J Comput Assist Tomogr** 1985 Jan–Feb;9(1):171–3

Iron–EHPG as an hepatobiliary MR contrast agent: initial imaging and biodistribution studies. Lauffer RB, et al. **J Comput Assist Tomogr** 1985 May–Jun;9(3):431–8

NMR relaxation times from serial stereotactic biopsies in human brain tumors. Le Bas JF, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1048–57

MR imaging of orbital tumors with CT and ultrasound correlations. Li KC, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1039–47

MR imaging of the normal knee. Li KC, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1147–54

MR imaging of Hallervorden–Spatz disease. Littrup PJ, et al. **J Comput Assist Tomogr** 1985 May–Jun;9(3):491–3

Demonstration of the fetal cardiovascular system by MR imaging. McCarthy S, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1168–9

In vivo 19F NMR imaging. McFarland E, et al. **J Comput Assist Tomogr** 1985 Jan–Feb;9(1):8–15

Demonstration of a splenic artery pseudoaneurysm by MR imaging. Martin KW, et al. **J Comput Assist Tomogr** 1985 Jan–Feb;9(1):190–2

Differentiation of cerebellopontine angle neuromas and meningiomas with MR imaging. Mikhael MA, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):852–6

MR imaging in spinal echinococcosis. Mikhael MA, et al. **J Comput Assist Tomogr** 1985 Mar–Apr;9(2):398–400

Utilization characteristics of a superconductive MR system undergoing initial clinical trial. Murphy WA, et al. **J Comput Assist Tomogr** 1985 Mar–Apr;9(2):258–62

Menstrual variation of normal breast NMR relaxation parameters. Nelson TR, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):875–9

Aqueductal stenosis: demonstration by MR imaging. Novetsky GJ, et al. **J Comput Assist Tomogr** 1984 Dec; 8(6):1170–1

MR imaging of portal vein thrombus in hepatocellular carcinoma. Ohtomo K, et al. **J Comput Assist Tomogr** 1985 Mar–Apr;9(2):328–9

Distinction between adrenal adenomas and metastases using MR imaging. Reinig JW, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):898–901

MR image contrast and relaxation times of solid tumors in the chest, abdomen, and pelvis. Schmidt HC, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):738–48

MR imaging in Fahr disease. Scotti G, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):790–2

Low field (0.02 T) nuclear magnetic resonance imaging of the brain. Sepponen RE, et al. **J Comput Assist Tomogr** 1985 Mar–Apr;9(2):237–41

Intracranial hematomas studied by MR imaging at 0.17 and 0.02 T. Sipponen JT, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):698–704

MR imaging of cerebral abnormalities in utero. Thickman D, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1058–61

MR imaging of the liver in primary hepatocellular carcinoma. Vermess M, et al. **J Comput Assist Tomogr** 1985 Jul–Aug; 9(4):749–54

Sagittal MR imaging of the chest: normal and abnormal. Webb WR, et al. **J Comput Assist Tomogr** 1985 May–Jun; 9(3):471–9

MR imaging of venous and arterial flow by a selective saturation–recovery spin echo (SSRSE) method. Wehrli FW, et al. **J Comput Assist Tomogr** 1985 May–Jun; 9(3):537–45

MR imaging of a hemorrhagic hepatic cyst in a patient with polycystic liver disease. Wilcox DM, et al. **J Comput Assist Tomogr** 1985 Jan–Feb;9(1):183–5

MR imaging of cerebral toxoplasmosis: correlation of computed tomography and pathology. Zee CS, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):797–9

Computed tomography, sonography, and MR imaging of abdominal tuberculosis. Zirinsky K, et al. **J Comput Assist Tomogr** 1985 Sep–Oct;9(5):961–3

Nuclear magnetic resonance imaging of spinal dissemination of intracranial germ cell tumor: a case report. Shirakuni T, et al. **J Comput Tomogr** 1985 Jul;9(3):199–202

Principles of nuclear magnetic resonance (NMR)––current state of the art. Lerski RA. **J Med Eng Technol** 1985 May–Jun;9(3):112–6

The European Concerted Research Project on identification and characterization of biological tissues by nuclear magnetic resonance. Podo F. **J Med Eng Technol** 1985 May–Jun;9(3):117–22

Imaging: magnetic resonance imaging of the spinal cord. Jewel KL. **J Med Soc NJ** 1985 May;82(5):399–401

Nuclear magnetic resonance (NMR): a promising future. Swamidoss P. **J Natl Med Assoc** 1985 Feb;77(2):81–3

The physical aspects of clinical nuclear magnetic imaging. Trappier AS. **J Natl Med Assoc** 1984 Dec;76(12):1215, 1218

The effects of magnetic resonance imaging on different types of microsurgical clips [letter] Kean DM, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):286–7

Visualisation of stereotactic radiolesions by nuclear magnetic resonance. Leksell L, et al. **J Neurol Neurosurg Psychiatry** 1985 Jan;48(1):19–20

NMR imaging of the cranio–cervical junction and cervical spine. Normal and pathological features. Aubin ML, et al. **J Neuroradiol** 1984;11(4):229–37 **(Eng, Fre)**

NMR imaging of acoustic neurinoma. Bocquet M, et al. **J Neuroradiol** 1984;11(4):263–73 **(Eng, Fre)**

Nuclear magnetic resonance: first results in multiple sclerosis. Bories J, et al. **J Neuroradiol** 1984;11(4):307–14 **(Eng, Fre)**

Nuclear magnetic resonance imaging of facial structures. Halimi P, et al. **J Neuroradiol** 1984;11(4):274–84 **(Eng, Fre)**

Application of NMR imaging to pathological processes of the sphenoidal region. A study based on 41 cases. Iba–Zizen MT, et al. **J Neuroradiol** 1984;11(4):285–92 **(Eng, Fre)**

Contribution of nuclear magnetic resonance (NMR) imaging to the diagnosis of non–traumatic neurosurgical diseases. Lavieille J, et al. **J Neuroradiol** 1984;11(4):293–305 **(Eng, Fre)**

Nuclear magnetic resonance in the diagnosis of syringomyelia. Scotti G, et al. **J Neuroradiol** 1984; 11(4):239–48 **(Eng, Fre)**

NMR imaging of intra–axial tumours of the posterior fossa. 15 cases. Vignaud J, et al. **J Neuroradiol** 1984;11(4):249–61 **(Eng, Fre)**

Clinical magnetic resonance imaging with nuclear medicine correlation. Kulkarni MV, et al. **J Nucl Med** 1985 Aug; 26(8):944–57 (32 ref.)

Accuracy of proton T1 calculated by approximations from image signals. Lin MS. **J Nucl Med** 1985 Jan;26(1):54–8

The relationship of nuclear magnetic resonance to nuclear medicine: friend or foe? [editorial] MacIntyre WJ. **J Nucl Med** 1985 Aug;26(8):958–60

Nuclear magnetic resonance: an overview of its spectroscopic and imaging applications in pediatric patients. Leonard JC, et al. **J Pediatr** 1985 May;106(5):756–61 (31 ref.)

Quick screening and diagnosis of organic acidemia by NMR urinalysis. Yamaguchi S, et al. **J Pediatr** 1985 Apr; 106(4):620–2

Clinical applications of nuclear magnetic resonance spectroscopy: a review. Newman RJ. **J R Soc Med** 1984 Sep;77(9):774–9 (49 ref.)

Differences in NMR spectra between tumor clones of defined metastatic potential. Bines SD, et al. **J Surg Res** 1985 May; 38(5):546–52

In vitro detection of fatty liver infiltration in protein–depleted rats using proton nuclear magnetic resonance. Jacobs DO, et al. **J Surg Res** 1985 Jul;39(1):25–30

The identification of experimentally induced appendicitis using in vitro nuclear magnetic resonance. Jacobs DO, et al. **J Surg Res** 1985 Jul;39(1):16–24

NMR imaging and spectroscopy of experimental brain edema. Bartkowski HM, et al. **J Trauma** 1985 Mar; 25(3):192–6

How might nuclear magnetic resonance be used in the in vivo monitoring of energy metabolism and substrate flow? Chance B. **J Trauma** 1984 Sep;24(9 Suppl):S154–66

Muscle ischemia and hypothermia: a bioenergetic study using 31phosphorus nuclear magnetic resonance spectroscopy. Osterman AL, et al. **J Trauma** 1984 Sep;24(9):811–7

Nuclear magnetic resonance tissue analysis of acute renal artery and renal vein occlusion: the effect of a paramagnetic contrast agent. Strich G, et al. **J Urol** 1984 Dec; 132(6):1216–9

Magnetic resonance imaging and spectroscopy in the study of cardiovascular disease. Rhodes RS, et al. **J Vasc Surg** 1985 Mar;2(2):354–60

'Two locomotives' [letter] Cinti DC, et al. **JAMA** 1985 Feb 8;253(6):775

The diagnosis of Alzheimer–type dementia. A preliminary comparison of positron emission tomography and proton magnetic resonance. Friedland RP, et al. **JAMA** 1984 Nov 16;252(19):2750–2

MRI and CT scan in multiple sclerosis [letter] Poser CM. **JAMA** 1985 Jun 14;253(22):3250

Magnetic resonance 'sees' lesions of multiple sclerosis [news] Ziporyn T. **JAMA** 1985 Feb 15;253(7):949–51

In vivo 31P–NMR studies on aerobic recovery of frog muscle following tetanus. Seo Y, et al. **Jpn J Physiol** 1984; 34(5):927–31

Safety of NMR [editorial] **Lancet** 1985 Apr 20;1(8434):913–4

Rapid screening of metabolic diseases by proton NMR [letter] Iles RA, et al. **Lancet** 1984 Nov 24;2(8413):1221–2

Dimensional accuracy of magnetic resonance in studies of the heart. Longmore DB, et al. **Lancet** 1985 Jun 15; 1(8442):1360–2

Monitoring metabolic disease by proton NMR of urine [letter] Nicholson JK, et al. **Lancet** 1984 Sep 29; 2(8405):751–2

NMR in multiple sclerosis and cerebral vascular disease [letter] Ormerod IE, et al. **Lancet** 1984 Dec 8; 2(8415):1334–5

NMR studies in thalamic–striatal necrosis [letter] Voit T, et al. **Lancet** 1985 Aug 24;2(8452):445

Arnold–Chiari malformation and the otolaryngologist: place of magnetic resonance imaging and electronystagmography. Longridge NS, et al. **Laryngoscope** 1985 Mar;95(3):335–9

Evaluation of NMR versus CT for parotid masses: a preliminary report. Schaefer SD, et al. **Laryngoscope** 1985 Aug;95(8):945–50

Contrast agents. **Magn Reson Imaging** 1985;3(1):1–97

Abstracts of papers presented at the third annual meeting, Society for Magnetic Resonance Imaging. March 22-26, 1985, San Diego, California. **Magn Reson Imaging** 1985; 3(2):173–208

NMR and water proton relaxation in tissues. Amtey SR. **Magn Reson Imaging** 1982;1(2):63–6

The systemic effect of cancers on human sera proton NMR relaxation times. Beall PT, et al. **Magn Reson Imaging** 1984; 2(2):83–7

A historical perspective on biomedical NMR. Beall PT. **Magn Reson Imaging** 1982;1(4):189–90

Magnetic resonance imaging of the chest: a diagnostic comparison with computed tomography and hilar tomography. Berquist TH, et al. **Magn Reson Imaging** 1984; 2(4):315–27

Magnetic resonance imaging: preliminary experience in orthopedic radiology. Berquist TH. **Magn Reson Imaging** 1984;2(1):41–52

A computer algorithm for the simulation of any nuclear magnetic resonance (NMR) imaging method. Bittoun J, et al. **Magn Reson Imaging** 1984;2(2):113–20

Head and body imaging by hydrogen nuclear magnetic resonance. Bottomley PA, et al. **Magn Reson Imaging** 1982; 1(2):69–74

Cerebral energy metabolism in rats studied by phosphorus nuclear magnetic resonance using surface coils. Bottomley PA, et al. **Magn Reson Imaging** 1982;1(2):81–5

Effects of the operating magnetic field on potential NMR contrast agents. Brown MA. **Magn Reson Imaging** 1985; 3(1):3–10

The oral administration of MnCl2: a potential alternative to IV injection for tissue contrast enhancement in magnetic resonance imaging. Burnett KR, et al. **Magn Reson Imaging** 1984;2(4):307–14

Gadolinium oxide: a protoype agent for contrast enhanced imaging of the liver and spleen with magnetic resonance. Burnett KR, et al. **Magn Reson Imaging** 1985;3(1):65–71

Characterization of proton NMR relaxation times in normal and pathological tissues by correlation with other tissue parameters. Cameron IL, et al. **Magn Reson Imaging** 1984; 2(2):97–106

Relaxation enhancement using liposomes carrying paramagnetic species. Caride VJ, et al. **Magn Reson Imaging** 1984;2(2):107–12

The use of proton relaxation enhancers in magnetic resonance imaging. Carr DH. **Magn Reson Imaging** 1985;3(1):17–25

Anoxia followed by hyperoxia: in vivo 31–P NMR of cat brain. Chopp M, et al. **Magn Reson Imaging** 1984; 2(4):329–33

Spatial or flow velocity phase encoding gradients in NMR imaging. Constantinesco A, et al. **Magn Reson Imaging** 1984;2(4):335–40

Factors affecting nitroxide reduction in ascorbate solution and tissue homogenates. Couet WR, et al. **Magn Reson Imaging** 1985;3(1):83–8

Mechanical ventilation during magnetic resonance imaging.

Dunn V, et al. **Magn Reson Imaging** 1985;3(2):169-72

Enhanced MRI of tumors utilizing a new nitroxyl spin label contrast agent. Ehman RL, et al. **Magn Reson Imaging** 1985; 3(1):89-97

Alterations in NMR spectra due to water of hydration. Frazer JW, et al. **Magn Reson Imaging** 1982;1(2):105-9

Basic concepts for nuclear magnetic resonance imaging. Fullerton GD. **Magn Reson Imaging** 1982;1(1):39-55

NMR relaxation of protons in tissues and other macromolecular water solutions. Fullerton GD, et al. **Magn Reson Imaging** 1982;1(4):209-26

An assessment of the safety of rapidly changing magnetic fields in the rabbit: implications for NMR imaging. Gore JC, et al. **Magn Reson Imaging** 1982;1(4):191-5

Calculated T1 images derived from a partial saturation-inversion recovery pulse sequence with adiabatic fast passage. Hardy CJ, et al. **Magn Reson Imaging** 1985;3(2):107-16

In vivo NMR imaging and T1 measurements of water protons in the human brain. Hazlewood CF, et al. **Magn Reson Imaging** 1982;1(1):3-10

Nuclear magnetic resonance diagnosis of an anaplastic astrocytoma. Jackson JA, et al. **Magn Reson Imaging** 1984; 2(3):227-33

Improvements in the clinical utility of calculated T2 images of the human brain. Jackson JA, et al. **Magn Reson Imaging** 1985;3(2):131-43

Nuclear magnetic resonance imaging of pulmonary infarction and oedema in excised cadaver lungs. Johnston PW, et al. **Magn Reson Imaging** 1985;3(2):157-61

Proton spin relaxation studies of fatty tissue and cerebral white matter. Kamman RL, et al. **Magn Reson Imaging** 1984;2(3):211-20

Preparation and water relaxation properties of proteins labeled with paramagnetic metal chelates. Lauffer RB, et al. **Magn Reson Imaging** 1985;3(1):11-6

Magnetic field dependence of spin-lattice relaxation enhancement using piperidinyl nitroxyl spin-labels. Lovin JD, et al. **Magn Reson Imaging** 1985;3(1):73-81

Cardiovascular applications of magnetic resonance imaging. McNamara MT, et al. **Magn Reson Imaging** 1984; 2(3):167-83

Prospective tissue-mimicking materials for use in NMR imaging phantoms. Madsen EL, et al. **Magn Reson Imaging** 1982;1(3):135-41

Low field topical nuclear magnetism apparatus in a hospital area. Mehier H, et al. **Magn Reson Imaging** 1982;1(3):143-7

Enhanced T1 differentiation between normal and dystrophic muscles. Misra LK, et al. **Magn Reson Imaging** 1984; 2(1):33-5

Evaluation of muscle degeneration in inherited muscular dystrophy by nuclear magnetic resonance techniques. Misra LK, et al. **Magn Reson Imaging** 1982;1(2):75-9

A general approach to T1, T2, and spin-density discrimination sensitivities in NMR imaging sequences. Moran PR. **Magn Reson Imaging** 1984;2(1):17-22

A flow velocity zeugmatographic interlace for NMR imaging in humans. Moran PR. **Magn Reson Imaging** 1982; 1(4):197-203

Proton nuclear magnetic resonance spectroscopy of normal and edematous brain tissue in vitro: changes in relaxation during tissue storage. Moseley ME, et al. **Magn Reson Imaging** 1984;2(3):205-9

Observations of energy metabolism in neuroectodermal tumors using in vivo 31P-NMR. Naruse S, et al. **Magn Reson Imaging** 1985;3(2):117-23

Magnetic resonance of brain tumors: considerations of imaging contrast on the basis of relaxation measurements. Ngo FQ, et al. **Magn Reson Imaging** 1985;3(2):145-55

Contrast manipulation in NMR imaging. Perman WH, et al. **Magn Reson Imaging** 1984;2(1):23-32

Effect of nuclear magnetic resonance on chromosomes of mouse bone marrow cells. Prasad N, et al. **Magn Reson Imaging** 1984;2(1):37-9

Estimating patient dielectric losses in NMR imagers. Redpath TW, et al. **Magn Reson Imaging** 1984;2(4):295-300

Nuclear magnetic resonance evaluation of a leiomyosarcoma. Ross RJ, et al. **Magn Reson Imaging** 1982;1(2):87-90

Initial clinical evaluation of gadolinium DTPA for contrast-enhanced magnetic resonance imaging. Runge VM, et al. **Magn Reson Imaging** 1985;3(1):27-35

The use of Gd DTPA as a perfusion agent and marker of blood-brain barrier disruption. Runge VM, et al. **Magn Reson Imaging** 1985;3(1):43-55

Distinction between normal and leukemic bone marrow by water protons nuclear magnetic resonance relaxation times. Shah S, et al. **Magn Reson Imaging** 1982;1(1):23-8

Significance of water proton spin-lattice relaxation times in normal and malignant tissues and their subcellular fractions--II. Shah SS, et al. **Magn Reson Imaging** 1982; 1(3):155-64

Significance of water proton spin-lattice relaxation times in normal and malignant tissues and their subcellular fractions--I. Shah SS, et al. **Magn Reson Imaging** 1982; 1(2):91-104

NMR imaging in human pregnancy: a preliminary study. Smith FW, et al. **Magn Reson Imaging** 1984;2(1):57-64

Nuclear magnetic resonance (NMR) imaging in the diagnosis of spinal osteomyelitis. Smith FW, et al. **Magn Reson Imaging** 1984;2(1):53-6

NMR in cancer. I. High resolution spectroscopy of tumors. Sostman HD, et al. **Magn Reson Imaging** 1984;2(4):265-78 (95 ref.)

Preliminary observations on magnetic resonance imaging in refractory epilepsy. Sostman HD, et al. **Magn Reson Imaging** 1984;2(4):301-6

Magnetic resonance tissue analysis of acute renal vascular occlusion in the rabbit: enhancement with gadolinium-DTPA complex. Strich G, et al. **Magn Reson Imaging** 1985;3(1):37-42

The dependence of nuclear magnetic resonance (NMR) image contrast on intrinsic and pulse sequence timing parameters. Wehrli FW, et al. **Magn Reson Imaging** 1984; 2(1):3-16

Dilute oral iron solutions as gastrointestinal contrast agents for magnetic resonance imaging; initial clinical experience. Wesbey GE, et al. **Magn Reson Imaging** 1985;3(1):57-64

Potential hazards of NMR imaging. No evidence of the possible effects of static and changing magnetic fields on cardiac function of the rat and guinea pig. Willis RJ, et al. **Magn Reson Imaging** 1984;2(2):89-95

Magnetic resonance imaging in a routine clinical setting. Baker HL Jr, et al. **Mayo Clin Proc** 1985 Feb;60(2):75-90

Magnetic resonance imaging: a time for assessment [editorial] Di Chiro G. **Mayo Clin Proc** 1985 Feb;60(2):135-6

Clinical magnetic resonance imaging. Sherman JL, et al. **Md Med J** 1985 Jul;34(7):679-82

Magnetic resonance. Principles and applications. Paushter DM, et al. **Med Clin North Am** 1984 Nov;68(6):1393-421 (101 ref.)

Magnetic resonance imaging (MRI) in Australia. **Med J Aust** 1985 Jan 7;142(1):60-2

Nuclear magnetic resonance becomes established [editorial] Herzberg L, et al. **Med J Aust** 1985 Jan 7;142(1):4-5

Nuclear magnetic resonance imaging. Applications in the diagnosis of cerebrospinal diseases. Tress BM, et al. **Med J Aust** 1985 Jan 7;142(1):25-8

Nuclear magnetic resonance imaging. Basic principles. Tress BM, et al. **Med J Aust** 1985 Jan 7;142(1):21-4 (12 ref.)

The magnetic field dependence of water proton T1 in aqueous solutions: implications for magnetic imaging contrast media. Bryant RG, et al. **Med Phys** 1984 Sep-Oct; 11(5):712-3

In vivo 31-P NMR of photoactivated hematoporphyrin derivative in cat brain. Chopp M, et al. **Med Phys** 1985 Mar-Apr;12(2):256-8

Measurement of signal intensities in the presence of noise in MR images. Henkelman RM. **Med Phys** 1985 Mar-Apr; 12(2):232-3

Potential problems with selective pulses in NMR imaging systems. Joseph PM, et al. **Med Phys** 1984 Nov-Dec; 11(6):772-7

NMR imaging in the presence of magnetic field inhomogeneities and gradient field nonlinearities. O'Donnell M, et al. **Med Phys** 1985 Jan-Feb;12(1):20-6

Accurate T1 and spin density NMR images. Schneiders NJ, et al. **Med Phys** 1985 Jan-Feb;12(1):71-6

MR image artifacts from periodic motion. Wood ML, et al. **Med Phys** 1985 Mar-Apr;12(2):143-51

A method for optimization of pulse sequences in NMR-imaging. Bielke G. **Med Prog Technol** 1983-84; 10(3):171-6

Michigan Department of Public Health issues NMR certificate of need policies. **Mich Med** 1985 Apr;84(4):210, 212

Magnetic resonance policy statement of the American College of Radiology. **Mich Med** 1985 Apr;84(4):206-8

Here's what the American Hospital Association foresees for NMR. **Mich Med** 1985 Apr;84(4):205

Changes and challenges in diagnostic imaging. Gift DA. **Mich Med** 1985 Apr;84(4):204

Cost-effectiveness and proper use of NMR debated in Michigan. Marr J. **Mich Med** 1985 Apr;84(4):202-3

31P nuclear magnetic resonance spectroscopic investigation of human neuroblastoma in situ. Maris JM, et al. **N Engl J Med** 1985 Jun 6;312(23):1500-5

X-ray CT and magnetic resonance imagers. Diffusion patterns and policy issues. Steinberg EP, et al. **N Engl J Med** 1985 Oct 3;313(14):859-64

1H Nuclear magnetic resonance imaging in multiple sclerosis. Buonanno FS, et al. **Neurol Clin** 1983 Aug;1(3):757-64

Magnetic resonance imaging of the central nervous system. Bradley WG Jr. **Neurol Res** 1984 Sep;6(3):91-106 (53 ref.)

Measurements of in vivo energy metabolism in experimental cerebral ischaemia using 31P-NMR for the evaluation of protective effects of perfluorochemicals and glycerol. Naruse S, et al. **Neurol Res** 1984 Dec;6(4):169-75

MRI and the study of aphasia. DeWitt LD, et al. **Neurology** 1985 Jun;35(6):861-5

Atypical brainstem encephalitis: magnetic resonance imaging and oculographic features. Furman JM, et al. **Neurology** 1985 Mar;35(3):438-40

Brainstem gliomas of childhood: magnetic resonance imaging. Packer RJ, et al. **Neurology** 1985 Mar; 35(3):397-401

Cerebral intracellular pH by 31P nuclear magnetic resonance spectroscopy. Petroff OA, et al. **Neurology** 1985 Jun; 35(6):781-8

MRI (NMR) in the diagnosis of brain-stem tumors. Bradac GB, et al. **Neuroradiology** 1985;27(3):208-13

Application of contrast agents in CT and MRI (NMR): their potential in imaging of brain tumors. Claussen C, et al. **Neuroradiology** 1985;27(2):164-71

Nuclear magnetic resonance imaging (NMR), (MRI), of brain stem tumours. Peterman SB, et al. **Neuroradiology** 1985; 27(3):202-7

Initial experience with MR-imaging of intracranial midline-lesions and lesions of the cervical spine at half Tesla. Bluemm RG, et al. **Neurosurg Rev** 1984;7(4):287-302

Magnetic resonance imaging (MRI): method and early clinical experiences in diseases of the central nervous system. Huk WJ, et al. **Neurosurg Rev** 1984;7(4):259-80 (35 ref.)

Nuclear magnetic resonance imaging of the region of the sella turcica. Huk WJ, et al. **Neurosurg Rev** 1985; 8(3-4):141-50

Magnetic resonance tomography (MRT) of intracranial tumours: initial experience with the use of the contrast medium Gadolinium-DTPA. Schörner W, et al. **Neurosurg Rev** 1984;7(4):303-12

MRI and aneurysm clips [letter] Bergen JT. **Neurosurgery** 1985 Apr;16(4):584

Magnetic resonance imaging of acoustic neuromas. DeFilipp GJ, et al. **Neurosurgery** 1985 Jun;16(6):763-5

Cervicomedullary junction tumor diagnosed by nuclear magnetic resonance scanning: case report. Kaufman BA, et al. **Neurosurgery** 1984 Dec;15(6):878-80

Clinical role of magnetic resonance imaging in the neurosurgical patient. Spetzler RF, et al. **Neurosurgery** 1985 Apr;16(4):511-24

Future of nuclear medicine--impact of new radiopharmaceuticals and of alternative methods such as nuclear magnetic resonance. Pfannenstiel P, et al. **Nuklearmedizin** 1984 Dec;23(6):273-6

NMR: a new perspective on medicine. Bottomley PA. **NY State J Med** 1984 Sep;84(9):438-40

Promising diagnostic technique: nuclear magnetic resonance imaging. Polakoff PL. **Occup Health Saf** 1985 Jul; 54(7):49-50

Magnetic resonance imaging of the temporomandibular joint meniscus. Katzberg RW, et al. **Oral Surg Oral Med Oral Pathol** 1985 Apr;59(4):332-5

Magnetic resonance imaging of lymphomas in children. Cohen MD, et al. **Pediatr Radiol** 1985;15(3):179-83

Artifacts, variants, and factors degrading image quality in pediatric magnetic resonance imaging. Ringertz HG, et al. **Pediatr Radiol** 1985;15(3):173-8

The nuclear magnetic resonance appearances of neuroblastoma. Smith FW, et al. **Pediatr Radiol** 1985; 15(5):329-32

Derivation of quantitative information in NMR imaging: a phantom study. Bakker CJ, et al. **Phys Med Biol** 1984 Dec; 29(12):1511-25

1H NMR chemical shift selective (CHESS) imaging. Haase A, et al. **Phys Med Biol** 1985 Apr;30(4):341-4

Indicator dilution approach to NMR signal-flow curves. Harpen MD. **Phys Med Biol** 1985 Jul;30(7):687-93

The spatial mapping of translational diffusion coefficients by the NMR imaging technique. Taylor DG, et al. **Phys Med Biol** 1985 Apr;30(4):345-9

Safe common agents for improved NMR contrast. Beall PT. **Physiol Chem Phys Med NMR** 1984;16(2):129-35

The use of iron and gadolinium chelates as NMR contrast agents: animal and human studies. Carr DH. **Physiol Chem Phys Med NMR** 1984;16(2):137-44

Gadolinium DTPA (an NMR proton imaging contrast agent): chemical structure, paramagnetic properties and pharmacokinetics. Goldstein EJ, et al. **Physiol Chem Phys Med NMR** 1984;16(2):97-104

Some physicochemical properties of the gadolinium-DTPA complex, a contrast agent for MRI. Gries H, et al. **Physiol Chem Phys Med NMR** 1984;16(2):105-12

Influence of structure on the reduction of nitroxide MRI contrast-enhancing agents by ascorbate. Keana JF, et al. **Physiol Chem Phys Med NMR** 1984;16(6):477-80

First use of GdDTPA/dimeglumine in man. Laniado M, et al. **Physiol Chem Phys Med NMR** 1984;16(2):157-65

Paramagnetic contrast agents in magnetic resonance imaging: research at Vanderbilt University. Runge VM, et al. **Physiol Chem Phys Med NMR** 1984;16(2):113-22

Paramagnetic pharmaceuticals for magnetic resonance imaging. Wesbey GE, et al. **Physiol Chem Phys Med NMR** 1984;16(2):145-55

Contrast enhancement in biomedical NMR. Wolf GL. **Physiol Chem Phys Med NMR** 1984;16(2):93-5

Dependence of magnetic resonance image (MRI) intensity values on relaxation times, pulse intervals and other signal attenuation factors. Yamanashi WS, et al. **Physiol Chem Phys Med NMR** 1985;17(1):81-100

Technical artifacts in magnetic resonance imaging. Yamanashi WS, et al. **Physiol Chem Phys Med NMR** 1984; 16(3):237-50

Techniques for diagnostic imaging. Computed tomography, ultrasound, and magnetic resonance imaging. Merritt CR, et al. **Postgrad Med** 1985 May 1;77(6):56-60, 63, 67-73

Nuclear magnetic resonance imaging. The case for prudent use in clinical diagnosis. Vannier MW. **Postgrad Med** 1984 Nov 1;76(6):159-67, 170

Nuclear magnetic resonance imaging and bladder cancer. Resnick MI, et al. **Prog Clin Biol Res** 1984;162A:255-65

Magnetic resonance in medicine and biology. **Prog Nucl Med** 1984;8:1-180

Water proton relaxation times: main parameters in nuclear magnetic resonance medical diagnosis. Béné GJ. **Prog Nucl Med** 1984;8:1-14

Proton NMR parameters and dementia. Besson J, et al.

Prog Nucl Med 1984;8:94-9

Pulse sequence variations in NMR imaging for optimal discrimination of pathological tissue changes. Bielke G, et al. **Prog Nucl Med** 1984;8:65-70

NMR diagnosis by T2 imaging. Brunner P, et al. **Prog Nucl Med** 1984;8:88-93

Clinical NMR imaging of the abdomen. Bydder GM. **Prog Nucl Med** 1984;8:124-34

NMR imaging in neurological disease. Bydder GM. **Prog Nucl Med** 1984;8:78-87

Nuclear magnetic relaxation in weak fields. Application to the study of blood. Conti S. **Prog Nucl Med** 1984;8:71-7

Trends in nuclear magnetic resonance imaging systems. Descouts P. **Prog Nucl Med** 1984;8:15-27

In vivo measurement of T2 in physiological fluids. Hiltbrand E. **Prog Nucl Med** 1984;8:149-56

Biodynamics and NMR. Lenk R. **Prog Nucl Med** 1984;8:55-61

Proton imaging at 3.4 MHz. Thorax and abdomen. Smith FW. **Prog Nucl Med** 1984;8:112-23

NMR proton imaging at 3.4 MHz--genitourinary tract and pelvis. Smith FW. **Prog Nucl Med** 1984;8:135-41

Studies of NMR-relaxation-times in malignant tumours and normal tissues of the human thyroid gland. Tennvall J, et al. **Prog Nucl Med** 1984;8:142-8

Comparison of in vivo and in vitro NMR relaxation times. Willcott MR. **Prog Nucl Med** 1984;8:62-4

Diagnosis of cardiovascular diseases with NMR imaging. Zeitler E, et al. **Prog Nucl Med** 1984;8:100-11

Nuclear magnetic resonance computed tomography: the first clinical experience in Japan. Araki T, et al. **Radiat Med** 1983 Jan-Mar;1(1):17-25

Nuclear magnetic resonance (NMR) imaging in diseases of the central nervous system: initial results. Huk W, et al. **Radiat Med** 1983 Apr-Jun;1(2):105-11

Experimental results with a whole body NMR-CT scanner using a resistive magnet. Inouye T, et al. **Radiat Med** 1983 Jan-Mar;1(1):8-16

Nuclear magnetic resonance imaging: applications for neurological abnormalities. Mills CM, et al. **Radiat Med** 1983 Jan-Mar;1(1):1-7

ECG-gated NMR-CT for cardiovascular disease. Nishikawa J, et al. **Radiat Med** 1983 Oct-Dec;1(4):274-80

Advice on acceptable limits of exposure to nuclear magnetic resonance clinical imaging. National Radiological Protection Board. **Radiography** 1984 Sep-Oct;50(593):220

Symposium on magnetic resonance imaging. **Radiol Clin North Am** 1984 Dec;22(4):763-941

Magnetic resonance imaging of the pelvis. Bryan PJ, et al. **Radiol Clin North Am** 1984 Dec;22(4):897-915

Magnetic resonance imaging of the brain. Bydder GM. **Radiol Clin North Am** 1984 Dec;22(4):779-93 (54 ref.)

Magnetic resonance imaging of the thorax. Cohen AM. **Radiol Clin North Am** 1984 Dec;22(4):829-46

Magnetic resonance imaging of the adrenal glands. Davis PL, et al. **Radiol Clin North Am** 1984 Dec;22(4):891-5

Magnetic resonance imaging of the liver. Haaga JR. **Radiol Clin North Am** 1984 Dec;22(4):879-90

Magnetic resonance imaging of the pancreas. Haaga JR. **Radiol Clin North Am** 1984 Dec;22(4):869-77

Magnetic resonance imaging in the spinal column and craniovertebral junction. Han JS, et al. **Radiol Clin North Am** 1984 Dec;22(4):805-27 (43 ref.)

Magnetic resonance imaging of the pituitary gland. Kaufman B. **Radiol Clin North Am** 1984 Dec;22(4):795-803

Basic principles of magnetic resonance imaging. Kramer DM. **Radiol Clin North Am** 1984 Dec;22(4):765-78

Magnetic resonance imaging of the heart. Lieberman JM, et al. **Radiol Clin North Am** 1984 Dec;22(4):847-58

Magnetic resonance imaging of the kidney. LiPuma JP. **Radiol Clin North Am** 1984 Dec;22(4):925-41

The evaluation of musculoskeletal disease with magnetic resonance imaging. Scott JA, et al. **Radiol Clin North Am** 1984 Dec;22(4):917-24

Magnetic resonance imaging of the human breast: a Phase I trial. El Yousef SJ, et al. **Radiol Clin North Am** 1984 Dec;22(4):859-68

Magnetic resonance: a new imaging modality. Fodor J 3d, et al. **Radiol Technol** 1984 Sep-Oct;56(1):17-22

Magnetic resonance imaging: the basic physical and clinical concepts. Part I. Nelson TR, et al. **Radiol Technol** 1985 Jul-Aug;56(6):410-5

The intranuclear cleft of the intervertebral disk: magnetic resonance imaging. Aguila LA, et al. **Radiology** 1985 Apr;155(1):155-8

Wilson disease of the brain: MR imaging. Aisen AM, et al. **Radiology** 1985 Oct;157(1):137-41

Aortic dissection: magnetic resonance imaging. Amparo EG, et al. **Radiology** 1985 May;155(2):399-406

Cerebral venous angiomas: MR imaging. Augustyn GT, et al. **Radiology** 1985 Aug;156(2):391-5

Ocular and orbital lesions: surface coil MR imaging. Bilaniuk LT, et al. **Radiology** 1985 Sep;156(3):669-74

Synthesized MR images: comparison with acquired images. Bobman SA, et al. **Radiology** 1985 Jun;155(3):731-8

Effect of methemoglobin formation on the MR appearance of subarachnoid hemorrhage. Bradley WG Jr, et al. **Radiology** 1985 Jul;156(1):99-103

Central nervous system high-resolution magnetic resonance imaging: effect of increasing spatial resolution on resolving power. Bradley WG Jr, et al. **Radiology** 1985 Jul;156(1):93-8

Cerebral venous angiomas imaged by MR. Cammarata C, et al. **Radiology** 1985 Jun;155(3):639-43

Fluid collections in the intraperitoneal and extraperitoneal spaces: comparison of MR and CT. Cohen JM, et al. **Radiology** 1985 Jun;155(3):705-8

Gated MR imaging of left atrial myxomas. Conces DJ Jr, et al. **Radiology** 1985 Aug;156(2):445-7

Magnetic resonance imaging strategies for heart studies. Crooks LE, et al. **Radiology** 1984 Nov;153(2):459-65

Agenesis of the corpus callosum: magnetic resonance imaging. Davidson HD, et al. **Radiology** 1985 May;155(2):371-3

Tumors and arteriovenous malformations of the spinal cord: assessment using MR. Di Chiro G, et al. **Radiology** 1985 Sep;156(3):689-97

Bone marrow imaging: magnetic resonance studies related to age and sex. Dooms GC, et al. **Radiology** 1985 May;155(2):429-32

Characterization of lymphadenopathy by magnetic resonance relaxation times: preliminary results. Dooms GC, et al. **Radiology** 1985 Jun;155(3):691-7

Magnetic resonance imaging performance: a comparison of sodium and hydrogen. Feinberg DA, et al. **Radiology** 1985 Jul;156(1):133-8

Brain tumors: MR imaging with gadolinium-DTPA. Felix R, et al. **Radiology** 1985 Sep;156(3):681-8

Ferromagnetic materials in patients: detection before MR imaging. Finn EJ, et al. **Radiology** 1985 Jul;156(1):139-41

Magnetic resonance imaging of the brainstem: normal structure and basic functional anatomy. Flannigan BD, et al. **Radiology** 1985 Feb;154(2):375-83

Abdominal neuroblastoma: magnetic resonance imaging and tissue characterization. Fletcher BD, et al. **Radiology** 1985 Jun;155(3):699-703

Orientation of tendons in the magnetic field and its effect on T2 relaxation times. Fullerton GD, et al. **Radiology** 1985 May;155(2):433-5

Proton magnetic resonance relaxation behavior of whole muscle with fatty inclusions. Fullerton GD, et al. **Radiology** 1985 Jun;155(3):727-30

Experimental pulmonary emboli detected using magnetic resonance. Gamsu G, et al. **Radiology** 1984 Nov;153(2):467-70

Thoracic aortic dissections: magnetic resonance imaging. Geisinger MA, et al. **Radiology** 1985 May;155(2):407-12

Radiation fibrosis: differentiation from recurrent tumor by MR imaging. Glazer HS, et al. **Radiology** 1985 Sep;156(3):721-6

The thoracic aorta studied by MR imaging. Glazer HS, et al. **Radiology** 1985 Oct;157(1):149-55

Intracranial hematomas: imaging by high-field MR. Gomori JM, et al. **Radiology** 1985 Oct;157(1):87-93

Experimental intracranial septic infarction: magnetic resonance enhancement. Grossman RI, et al. **Radiology** 1985 Jun;155(3):649-53

The temporomandibular joint: magnetic resonance imaging using surface coils. Harms SE, et al. **Radiology** 1985 Oct;157(1):133-6

Carcinomatous involvement of the hilum and mediastinum: computed tomographic and magnetic resonance evaluation. Heelan RT, et al. **Radiology** 1985 Jul;156(1):111-5

Hepatic metastases studied with MR and CT. Heiken JP, et al. **Radiology** 1985 Aug;156(2):423-7

Magnetic resonance imaging of the heart: a review of the experience in 172 subjects. Higgins CB, et al. **Radiology** 1985 Jun;155(3):671-9

Abdominal venous system: assessment using MR. Hricak H, et al. **Radiology** 1985 Aug;156(2):415-22

Magnetic resonance imaging in the diagnosis and staging of renal and perirenal neoplasms. Hricak H, et al. **Radiology** 1985 Mar;154(3):709-15

Infected aortoiliofemoral grafts: magnetic resonance imaging. Justich E, et al. **Radiology** 1985 Jan;154(1):133-6

Cystic intracranial lesions: magnetic resonance imaging. Kjos BO, et al. **Radiology** 1985 May;155(2):363-9

Central nervous system tumors in children: detection by magnetic resonance imaging. Kucharczyk W, et al. **Radiology** 1985 Apr;155(1):131-6

Intracranial vascular malformations: MR and CT imaging. Kucharczyk W, et al. **Radiology** 1985 Aug;156(2):383-9

ECG-synchronized cardiac MR imaging: method and evaluation. Lanzer P, et al. **Radiology** 1985 Jun;155(3):681-6

Sellar and juxtasellar lesion detection with MR. Lee BC, et al. **Radiology** 1985 Oct;157(1):143-7

Detection of hepatic metastases by proton spectroscopic imaging. Work in progress. Lee JK, et al. **Radiology** 1985 Aug;156(2):429-33

The uterus: in vitro MR-anatomic correlation of normal and abnormal specimens. Lee JK, et al. **Radiology** 1985 Oct;157(1):175-9

Vertebral osteomyelitis: assessment using MR. Modic MT, et al. **Radiology** 1985 Oct;157(1):157-66

Pulmonary embolus: detection and follow-up using magnetic resonance. Moore EH, et al. **Radiology** 1984 Nov;153(2):471-2

Pulmonary nodules: detection using magnetic resonance and computed tomography. Müller NL, et al. **Radiology** 1985 Jun;155(3):687-90

Extremity bone tumors: evaluation by P-31 MR spectroscopy. Nidecker AC, et al. **Radiology** 1985 Oct;157(1):167-74

Hepatic tumors: differentiation by transverse relaxation time (T2) of magnetic resonance imaging. Ohtomo K, et al. **Radiology** 1985 May;155(2):421-3

Magnetic resonance imaging of the prostate. Poon PY, et al. **Radiology** 1985 Jan;154(1):143-9

Esophageal imaging by MR and CT: study of normal anatomy and neoplasms. Quint LE, et al. **Radiology** 1985 Sep;156(3):727-31

Left ventricular volumes measured by MR imaging. Rehr RB, et al. **Radiology** 1985 Sep;156(3):717-9

Brain tumors: detection and typing by use of CPMG sequences and in vivo T2 measurements. Rinck PA, et al. **Radiology** 1985 Oct;157(1):103-6

Temporomandibular joint: magnetic resonance imaging. Roberts D, et al. **Radiology** 1985 Mar;154(3):829-30

MR imaging in radiation therapy planning. Work in progress. Shuman WP, et al. **Radiology** 1985 Jul;156(1):143-7

Magnetic resonance imaging of prosthetic heart valves. Soulen RL, et al. **Radiology** 1985 Mar;154(3):705-7

Intrauterine growth retardation: evaluation by magnetic resonance. Work in progress. Stark DD, et al. **Radiology** 1985 May;155(2):425-7

Magnetic resonance imaging and spectroscopy of hepatic iron overload. Stark DD, et al. **Radiology** 1985 Jan;154(1):137-42

Pulse selection chart for brain MR imaging sequences. Tobias JA, et al. **Radiology** 1985 Oct;157(1):261

Acute injury of the ligaments of the knee: magnetic resonance evaluation. Turner DA, et al. **Radiology** 1985 Mar;154(3):717-22

The oral cavity and tongue: magnetic resonance imaging. Unger JM. **Radiology** 1985 Apr;155(1):151-3

Gated MR imaging of the heart: intracardiac signals in patients and healthy subjects. von Schulthess GK, et al. **Radiology** 1985 Jul;156(1):125-32

Differentiation of volume averaging and mass on magnetic resonance images of the mediastinum. Webb WR, et al. **Radiology** 1985 May;155(2):413-6

Bronchogenic carcinoma: staging with MR compared with staging with CT and surgery. Webb WR, et al. **Radiology** 1985 Jul;156(1):117-24

Iliopsoas muscles: MR study of normal anatomy and disease. Weinreb JC, et al. **Radiology** 1985 Aug;156(2):435-40

Magnetic resonance imaging in obstetric diagnosis. Weinreb JC, et al. **Radiology** 1985 Jan;154(1):157-61

Peripheral vascular disease: correlation of MR imaging and angiography. Wesbey GE, et al. **Radiology** 1985 Sep;156(3):733-9

Bone tumors: magnetic resonance imaging versus computed tomography. Zimmer WD, et al. **Radiology** 1985 Jun;155(3):709-18

The portacaval space: CT with MR correlation. Zirinsky K, et al. **Radiology** 1985 Aug;156(2):453-60

Nuclear magnetic resonance in oncology. Turner DA. **Semin Nucl Med** 1985 Apr;15(2):210-23 (79 ref.)

Magnetic resonance imaging and computed tomography in congenital heart disease. Fisher MR, et al. **Semin Roentgenol** 1985 Jul;20(3):272-82 (37 ref.)

Magnetic resonance imaging in the evaluation of urologic malignancies. Demas BE, et al. **Semin Urol** 1985 Feb;3(1):27-33

Magnetic resonance spectroscopy for evaluation of renal function. Weiner MW, et al. **Semin Urol** 1985 Feb;3(1):34-42 (58 ref.)

Early Legg-Perthes disease (ischemic necrosis of the femoral head) demonstrated by magnetic resonance imaging. Bluemm RG, et al. **Skeletal Radiol** 1985;14(2):95-8

Magnetic resonance imaging of bone and soft tissue tumors: early experience in 31 patients compared with computed tomography. Hudson TM, et al. **Skeletal Radiol** 1985;13(2):134-46

Magnetic resonance imaging of fluid levels in an aneurysmal bone cyst and in anticoagulated human blood. Hudson TM, et al. **Skeletal Radiol** 1985;13(4):267-70

Current status of magnetic resonance imaging. James AE Jr, et al. **South Med J** 1985 May;78(5):580-97 (74 ref.)

Nuclear magnetic resonance and cardiovascular surgery. Whitman GJ, et al. **Surg Clin North Am** 1985 Jun;65(3):497-508 (33 ref.)

Magnetic resonance imaging of the thyroid, thymus, and parathyroid glands. Stark DD, et al. **Surgery** 1984 Dec;96(6):1083-91

Nuclear magnetic resonance. Its clinical application. Steiner R. **Trans Med Soc Lond** 1982-84;99-100:25-8

Magnetic resonance imaging. Part I--physical principles. Hendee WR, et al. **West J Med** 1984 Oct;141(4):491-500

Magnetic resonance imaging. Part II--Clinical applications. Hendee WR, et al. **West J Med** 1984 Nov;141(5):638-48

Magnetic resonance imaging of the central nervous system--an update. Kucharczyk W, et al. **West J Med** 1985 Jan;142(1):54-62

Magnetic resonance in medicine [editorial] Taveras JM. **West J Med** 1985 Jan;142(1):87-8

Magnetic resonance imaging (MRI): view of the Wisconsin Radiological Society. Locher RA. **Wis Med J** 1985 Mar;84(3):16-7

[Contrast agents in magnetic resonance imaging] Bonnet PA, et al. **J Radiol** 1984 Dec;65(12):829-32 (Eng. Abstr.) **(Fre)**

[Magnetic resonance imaging in the exploration of hepatic masses] Grenier P, et al. **J Radiol** 1984 Dec;65(12):819-27 (Eng. Abstr.) **(Fre)**

[NMR imaging of the kidney] te Strake L, et al. **J Radiol** 1984 Oct;65(10):631-5 (Eng. Abstr.) (Fre)

[Theory and practice of the nuclear magnetic resonance test] Vencken LM. **Phlebologie** 1984 Jul-Sep;37(3):313-4 (Fre)

[Clinical applications of proton NMR tomography] Chambron J, et al. **Physiologie** 1984 Oct-Dec;21(4):281-94 (Fre)

[If today's radiology were known earlier] Gharbi HA. **Tunis Med** 1984 Mar-Apr;62(2):97-103 (Fre)

[Advances in diagnosis and their significance for radiological practice] Lissner J. **Digitale Bilddiagn** 1984 Dec;4(4):158-64 (Eng. Abstr.) (Ger)

[Indications for nuclear magnetic resonance tomography in tumors of the facial skeleton and neck area] Mödder U, et al. **Digitale Bilddiagn** 1985 Jun;5(2):55-60 (Eng. Abstr.) (Ger)

[NMR tomography in confirmed multiple sclerosis. An assessment of 21 cases] Uhlenbrock D, et al. **Digitale Bilddiagn** 1985 Mar;5(1):1-7 (Eng. Abstr.) (Ger)

[The aortic aneurysm in the magnetic resonance tomogram] Allgayer B, et al. **Dtsch Med Wochenschr** 1985 May 3; 110(18):714-8 (Eng. Abstr.) (Ger)

[Diagnostic significance of nuclear spin(MR)-tomography in gastroenterology] Rupp N, et al. **Dtsch Med Wochenschr** 1985 Apr 19;110(16):648-50 (Ger)

[Computed tomographic methods. Transmission-, emission-, magnetic-resonance-CT. Physics, technics and medical outlook] Schultz E. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1985; 122:1-127 (Ger)

[Nuclear magnetic resonance in medicine--more than merely a new diagnostic imaging procedure] Höfeler H, et al. **Fortschr Med** 1985 Feb 14;103(6):114-8 (Eng. Abstr.) (Ger)

[Clinical value of magnetic resonance tomography in liver diseases] Rödl W. **Fortschr Med** 1985 Jun 27;103(24):649-53 (Eng. Abstr.) (Ger)

[Nuclear magnetic resonance tomography in otorhinolaryngology. II. Diagnostic possibilities] Mees K, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Apr;64(4):177-80 (Eng. Abstr.) (Ger)

[Spinal nuclear magnetic resonance tomography] Lochner B, et al. **Nervenarzt** 1985 Apr;56(4):174-85 (Ger)

[Checklist for understanding magnetic resonance imaging (MRI) and magnetic resonance spectroscopy (MRS)] Müller-Schauenburg W, et al. **Nuklearmedizin** 1985 Feb; 24(1):29-34 (Eng. Abstr.) (Ger)

[Nuclear spin resonance tomography and its anatomic-pathological correlates] Assheuer J, et al. **Radiologe** 1985 May;25(5):217-20 (Eng. Abstr.) (Ger)

[Possibilities of diagnosing lymphoma with MR-tomography--comparison with other imaging technics] Steinbrich W, et al. **Radiologe** 1985 May; 25(5):199-205 (Eng. Abstr.) (Ger)

[MR measurements on a perfused renal artery model with pulsatile flow] Allgayer B, et al. **ROFO** 1985 Jan; 142(1):95-8 (Eng. Abstr.) (Ger)

[Nuclear spin tomographic studies in liver diseases] Baumann R, et al. **ROFO** 1985 May;142(5):494-504 (Eng. Abstr.) (Ger)

[Comparative MR and CT research in selected neuroradiological problems] Becker H, et al. **ROFO** 1985 Jan;142(1):23-30 (Eng. Abstr.) (Ger)

[Health risks from the use of NMR tomography and in vivo NMR spectroscopy] Bernhardt JH, et al. **ROFO** 1984 Sep; 141(3):251-8 (Eng. Abstr.) (Ger)

[Syringomyelia on MR] Decker K, et al. **ROFO** 1985 May; 142(5):569-70 (Ger)

[Contrast media in magnetic resonance tomography. A review. 1. Physicochemical and pharmacological bases of MR contrast media using gadolinium-DTPA as an example] Felix R, et al. **ROFO** 1985 Jun;142(6):641-6 (26 ref.) (Eng. Abstr.) (Ger)

[Contrast media in magnetic resonance tomography. A review. 2. Biological basis, research technic and clinical application of gadolinium-DTPA in the diagnosis of intracranial tumors] Felix R, et al. **ROFO** 1985 Jul; 143(1):9-14 (Eng. Abstr.) (Ger)

[Computed tomography and nuclear spin tomography in peripheral lymphedema] Gregl A, et al. **ROFO** 1985 Aug; 143(2):219-26 (Eng. Abstr.) (Ger)

[Nuclear spin tomographic study of the facial skeleton. I. Nuclear spin and computed tomographic anatomy] Grodd W, et al. **ROFO** 1984 Nov;141(5):517-24 (Eng. Abstr.) (Ger)

[Imaging of a parathyroid adenoma with magnetic resonance tomography] Halbsguth A, et al. **ROFO** 1984 Dec; 141(6):705-6 (Ger)

[Nuclear magnetic resonance tomography of the spine] Heller H, et al. **ROFO** 1985 Apr;142(4):419-26 (Eng. Abstr.) (Ger)

[Nuclear spin tomography in breast diagnosis] Heywang SH, et al. **ROFO** 1985 Aug;143(2):207-12 (Eng. Abstr.) (Ger)

[NMR studies of the central nervous system in pediatrics] Higer HP, et al. **ROFO** 1985 Aug;143(2):137-45 (Eng. Abstr.) (Ger)

[Digital-subtracted magnetic resonance (DSMR). A new procedure for improved imaging of vascular processes] Kaiser W, et al. **ROFO** 1984 Nov;141(5):524-8 (Eng. Abstr.) (Ger)

[Nuclear spin tomography of the petrous bone and cerebellopontiLe angle. Methods and normal anatomy] Lenz M, et al. **ROFO** 1985 Jul;143(1):1-8 (Eng. Abstr.) (Ger)

[Use of long spin-echo sequences for imaging demyelinating diseases] Rinck PA, et al. **ROFO** 1985 Apr;142(4):426-30 (Eng. Abstr.) (Ger)

[Differential diagnosis of liver diseases in the nuclear spin tomogram] Rödl W. **ROFO** 1985 May;142(5):505-10 (Eng. Abstr.) (Ger)

[Diagnosis of bone necrosis by magnetic resonance tomography. The potentials for early diagnosis] Rupp N, et al. **ROFO** 1985 Feb;142(2):131-7 (Eng. Abstr.) (Ger)

[11C-methionine PET, IMP-SPECT, CT and MRI in brain tumors] Schober O, et al. **ROFO** 1985 Aug;143(2):133-6 (Eng. Abstr.) (Ger)

[Magnetic resonance tomography (MRT) in temporal lobe lesions. Study of patients with psychomotor seizures] Schörner W, et al. **ROFO** 1985 Mar;142(3):282-7 (Eng. Abstr.) (Ger)

[Clinical picture of multiple sclerosis in the magnetic resonance tomogram] Schörner W, et al. **ROFO** 1985 May; 142(5):487-94 (Eng. Abstr.) (Ger)

[Nuclear spin tomographic diagnosis of brain tumors using the contrast medium gadolinium-DTPA] Schörner W, et al. **ROFO** 1984 Nov;141(5):511-6 (Eng. Abstr.) (Ger)

[Posterior fossa masses. Comparison of magnetic resonance tomography and computed tomography] Schroth G, et al. **ROFO** 1984 Dec;141(6):635-41 (Eng. Abstr.) (Ger)

[Contrast in nuclear magnetic resonance imaging] Semmler W, et al. **ROFO** 1984 Sep;141(3):259-67 (Eng. Abstr.) (Ger)

[MR of the knee joint. Imaging of the normal anatomy and pathological findings using surface coils] Steinbrich W, et al. **ROFO** 1985 Aug;143(2):166-72 (Eng. Abstr.) (Ger)

[Initial findings with magnetic resonance tomography of mediastinal and hilar tumors] Steinbrich W, et al. **ROFO** 1984 Dec;141(6):629-35 (Eng. Abstr.) (Ger)

[A simple method for imaging disorders of cardiac wall contraction using MRT] Steiner G, et al. **ROFO** 1985 Aug; 143(2):186-9 (Eng. Abstr.) (Ger)

[Initial experiences with MR in liver tumors] Uhlenbrock D, et al. **ROFO** 1985 Aug;143(2):200-7 (Eng. Abstr.) (Ger)

[Computed tomography, magnetic resonance tomography and echocardiography in hypertrophic cardiomyopathy] Wolff P, et al. **ROFO** 1985 Jun;142(6):633-40 (Eng. Abstr.) (Ger)

[ECG-triggered NMR-tomography of the heart. Pathological findings] Zeitler E, et al. **ROFO** 1985 Mar; 142(3):275-81 (Eng. Abstr.) (Ger)

[Computed tomographic and nuclear spin tomographic diagnosis of brain tumors using conventional and paramagnetic contrast media] Claussen C, et al. **Rontgenblatter** 1985 May;38(5):143-9 (Eng. Abstr.) (Ger)

[Integration of the new imaging procedures (DSA, CT and MR) in clinical practice] Friedmann G, et al. **Rontgenblatter** 1985 Jun;38(6):196-204 (0 ref.) (Eng. Abstr.) (Ger)

[Normal anatomy of the brain in the nuclear spin tomogram as a basis for therapeutic intervention] Gademann G. **Rontgenblatter** 1985 May;38(5):137-42 (Eng. Abstr.) (Ger)

[Present status and developmental trends in NMR tomography of the CNS] Meves M. **Rontgenblatter** 1985 May;38(5):150-3 (Eng. Abstr.) (Ger)

[Imaging technics in the diagnosis of intracranial tumors] Gado M, et al. **Rontgenpraxis** 1985 May;38(5):173-88 (Ger)

[NMR tomography of the brain using various pulse frequencies] Meves M, et al. **Rontgenpraxis** 1984 Sep; 37(9):317-22 (Ger)

[Normal anatomic structures of the body in the MR-tomogram: studies with a 0.35 superconducting magnet. 2. Abdomen, pelvis, musculoskeletal system] Reiser M, et al. **Rontgenpraxis** 1985 Jan;38(1):11-8 (Ger)

[Technical trends in nuclear spin tomography] Schajor W, et al. **Rontgenpraxis** 1984 Jun;37(6):193-200 (Ger)

[Choice of image sequence in contrast medium nuclear magnetic tomography: contrast behavior of brain tumors following gadolinium-DTPA use in various spin-echo procedures] Schörner W, et al. **Rontgenpraxis** 1984 Sep; 37(9):323-6 (Ger)

[Indications for and the importance of computed tomography and nuclear magnetic resonance tomography in functional diseases of the stomatognathic system] Reuling N, et al. **Schweiz Monatsschr Zahnmed** 1985 Jun;95(6):507-13 (Eng. Abstr.) (Ger)

[NMR-diagnosis in radiotherapy?] Gremmel H. **Strahlentherapie** 1985 Aug;161(8):506-10 (Eng. Abstr.) (Ger)

[NMR tomography in urology. Principles--technics--risks--areas of use] Beer M, et al. **Urologe [Ausg A]** 1985 Jan;24(1):9-14 (Eng. Abstr.) (Ger)

[Diagnostic imaging procedures (editorial)] Sökeland J. **Urologe [Ausg A]** 1985 Jan;24(1):1 (Ger)

[Nuclear magnetic resonance tomography and its significance for internal medicine according to the current state of knowledge. Literature review] Kerner U. **Z Gesamte Inn Med** 1985 Jun 15;40(12):361-4 (Eng. Abstr.) (Ger)

[NMR tomography in cardiology. I. Anatomy of the healthy heart] Bauer R, et al. **Z Kardiol** 1984 Dec;73(12):733-9 (Eng. Abstr.) (Ger)

[Detection of regional hypertrophy in hypertrophic cardiomyopathy with ECG triggered nuclear magnetic resonance tomography--comparison with hypertensive patients and persons with healthy hearts] Schneider R, et al. **Z Kardiol** 1985 Mar;74(3):144-51 (Eng. Abstr.) (Ger)

[Diagnostic value of nuclear magnetic resonance scanning in central nervous system diseases] Rappaport ZH, et al. **Harefuah** 1984 Sep;107(5-6):113-5 (Eng. Abstr.) (Heb)

[Initial experience with nuclear magnetic resonance of the brain] Lambiase M, et al. **Acta Neurol (Napoli)** 1985 Apr; 7(2):112-21 (Ita)

[Symposium: Prospectives in diagnosis by imaging] **Radiol Med (Torino)** 1984 Apr;70(4 Suppl 1):153-99 (Ita)

[Magnetic resonance in cases of brain tumor] Curati WL. **Radiol Med (Torino)** 1984 Oct;70(10):763-6 (Eng. Abstr.) (Ita)

[Magnetic resonance: imaging of the heart and mediastinum] Kaiser W. **Radiol Med (Torino)** 1984 Oct;70(10):752-62 (Eng. Abstr.) (Ita)

[Magnetic resonance in the diagnosis of diseases of the brain and spinal cord] Scotti G, et al. **Radiol Med (Torino)** 1985 Jan-Feb;71(1-2):3-16 (Eng. Abstr.) (Ita)

[Initial experiences in the study of the pelvis using nuclear magnetic resonance imaging with 6.36 MHz radiofrequency] Vitelli F, et al. **Radiol Med (Torino)** 1985 Jan-Feb;71(1-2):17-25 (Eng. Abstr.) (Ita)

[Nuclear magnetic resonance in the morpho-functional study of the kidney] Fortezza P, et al. **Recenti Prog Med** 1985 Apr;76(4):211-5 (Eng. Abstr.) (Ita)

[Clinical trial of NMR-CT (report 3)--the utility of NMR-CT for liver and pancreas diseases] Ikehira H, et al. **Kaku Igaku** 1984 Oct;21(10):1277-84 (Eng. Abstr.) (Jpn)

[The trial of the kinetic study for the renal function, using NMR-CT by gadolinium-DTPA] Ikehira H, et al. **Kaku Igaku** 1985 Feb;22(2):219-24 (Eng. Abstr.) (Jpn)

[Clinical application of NMR-CT (report 6)--clinical utility of NMR-CT for uterine disease] Ikehira H, et al. **Kaku Igaku** 1985 May;22(5):567-73 (Eng. Abstr.) (Jpn)

[Clinical application of nuclear magnetic resonance imaging (resistive type) on cardiovascular disease] Imai H, et al. **Kaku Igaku** 1984 Dec;21(12):1557-67 (Eng. Abstr.) (Jpn)

[A comparative study of bone scintigraphy and NMR for vertebral diseases] Nakatani M, et al. **Kaku Igaku** 1985 Feb; 22(2):177-84 (Eng. Abstr.) (Jpn)

[NMR: preparation of a signal intensity map for the NMR-CT diagnosis] Torii S, et al. **Kaku Igaku** 1984 Nov; 21(11):1481-5 (Eng. Abstr.) (Jpn)

[NMR: a three-dimensional gray scale model for T1 images of NMR-CT] Torii S, et al. **Kaku Igaku** 1984 Aug; 21(8):973-7 (Eng. Abstr.) (Jpn)

[Application of NMR-CT for malignant bone tumors] Umeda T, et al. **Kaku Igaku** 1984 Dec;21(12):1657-60 (Jpn)

[The NMR-CT of the lung] Haida M, et al. **Kokyu To Junkan** 1984 Aug;32(8):777-82 (20 ref.) (Jpn)

[Nuclear magnetic resonance imaging of myocardial infarction] Imai H, et al. **Kokyu To Junkan** 1984 Oct; 32(10):1019-25 (41 ref.) (Jpn)

[Basilar impression combined with Arnold-Chiari malformation and syringobulbia--M.R.I. (magnetic resonance image, N.M.R.) diagnosis] Hatayama R, et al. **Nippon Ganka Gakkai Zasshi** 1985 May;89(5):654-9 (Eng. Abstr.) (Jpn)

[The 31P nuclear magnetic resonance (NMR) study of the preserved kidneys. II. The change of intracellular pH in the renal tissue] Kunikata S, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Aug;75(8):1274-9 (Eng. Abstr.) (Jpn)

[Nuclear magnetic resonance (NMR)-CT in otorhinolaryngology] Hashimoto S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Dec;87(12):1690-701 (Eng. Abstr.) (Jpn)

[Quantitative measurement of brain metabolism by NMR] Furuse M. **Nippon Rinsho** 1985 Feb;43(2):334-40 (Jpn)

[Indication for angiography of the coronary and major vessels for the diagnosis of cardiovascular diseases. b. The present status of medical imaging technology--NMR] Nishikawa J, et al. **Nippon Rinsho** 1984 Dec;42(12):2635-8 (Jpn)

[Progress in magnetic resonance image diagnosis] Sakuma S. **Nippon Rinsho** 1985 Mar;43(3):627-39 (36 ref.) (Jpn)

[Clinical evaluation of obstetrical and gynecological magnetic resonance imaging (MRI)] Iio M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):1030-5 (Jpn)

[Nuclear magnetic resonance] Inoue Y. **No To Hattatsu** 1985 Mar;17(2):147-55 (Jpn)

[NMR imaging of an infant's brain: II. Psychomotor retardation] Shirakuni T, et al. **No To Hattatsu** 1985 Mar; 17(2):170-1 (Jpn)

[Diagnosis of cerebrovascular diseases utilizing NMR imaging] Kato H, et al. **No To Shinkei** 1985 May; 37(5):459-68 (42 ref.) (Jpn)

[Diagnosis of spinal diseases with magnetic resonance imaging] Machida T. **No To Shinkei** 1985 May;37(5):469-74 (Jpn)

[Nuclear magnetic resonance study of brain edema in immature rats compared with adult rats] Masumura M, et al. **No To Shinkei** 1985 Mar;37(3):269-75 (Eng. Abstr.) **(Jpn)**

[MR imaging of intracranial tumors by superconducting system operating at 0.35 tesla] Ochiai C. **No To Shinkei** 1985 May;37(5):445-57 **(Jpn)**

[Recent advance in diagnostic imaging: NMR] Torizuka K, et al. **No To Shinkei** 1985 May;37(5):423-31 (56 ref.) (Eng. Abstr.) **(Jpn)**

[NMR: basic and clinical researches in diagnosis of CNS lesions] Yamaura A. **No To Shinkei** 1985 May;37(5):433-43 (40 ref.) **(Jpn)**

[T1 value of hyperplastic and hypoplastic bone marrow--preliminary report] Asai S, et al. **Rinsho Hoshasen** 1985 Mar;30(3):351-3 (Eng. Abstr.) **(Jpn)**

[Magnetic resonance imaging of spinal diseases] Nakatani M, et al. **Rinsho Hoshasen** 1985 Mar;30(3):345-9 (Eng. Abstr.) **(Jpn)**

[Magnetic resonance imaging in craniovertebral junction anomaly] Tada S, et al. **Rinsho Hoshasen** 1985 Mar; 30(3):341-4 (Eng. Abstr.) **(Jpn)**

[Magnetic resonance imaging in the clinical medicine--its present status] Tada S, et al. **Rinsho Hoshasen** 1984 Jul; 29(7):741-51 (Eng. Abstr.) **(Jpn)**

[Nuclear magnetic resonance imaging in multiple sclerosis] Kojima S, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):171-8 (Eng. Abstr.) **(Jpn)**

[Nuclear magnetic resonance in the imaging of internal organs] Wójtowicz JS. **Pol Przegl Radiol (Warszawa)** 1984 Sep-Oct;48(5):301-10 (60 ref.) **(Pol)**

[Nuclear magnetic resonance in medicine. Radiospectrometry] Brodziak A. **Pol Tyg Lek** 1984 Jun 4;39(23):797-801 (23 ref.) **(Pol)**

[Imaging of internal organs by the method of magnetic resonance] Wójtowicz JS. **Pol Tyg Lek** 1985 Jan 21; 40(3):77-82 (4 ref.) **(Pol)**

[NMR tomographic method of studying central nervous system function in arterial hypertension patients] Belenkov IuN, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1984;7(2):6-9 (Eng. Abstr.) **(Rus)**

[NMR tomography of experimental malignant neoplasms in vivo] Iushmanov VE, et al. **Dokl Akad Nauk SSSR** 1985; 282(3):734-6 **(Rus)**

[NMR tomography of excised human lymph nodes] Iushmanov VE, et al. **Med Radiol (Mosk)** 1985 May; 30(5):49-53 (Eng. Abstr.) **(Rus)**

[Use of NMR tomography in clinical practice] Belenkov IuN, et al. **Ter Arkh** 1984;56(11):10-3 (Eng. Abstr.) **(Rus)**

[Cardiological potential of NMR tomography] Kastrikin NF, et al. **Ter Arkh** 1984;56(11):131-7 (107 ref.) **(Rus)**

[NMR-tomography in the diagnosis of tumors] Kossovoĭ AL. **Vopr Onkol** 1984;30(10):3-9 (64 ref.) **(Rus)**

[Tomography based on the nuclear magnetic resonance effect in neurology] Vereshchagin NV, et al. **Zh Nevropatol Psikhiatr** 1984;84(12):1773-9 (Eng. Abstr.) **(Rus)**

ECONOMICS

Joint ventures for MRIs create 'regulatory grey areas'. **Hospitals** 1985 Aug 16;59(16):100, 105

Is NMR right for your hospital? diMonda R. **Hospitals** 1985 Jun 1;59(11):55, 58-9

INSTRUMENTATION

Standard phantoms for NMR imaging equipment. Derbyshire W. **Ann Ist Super Sanita** 1983;19(1):163-7

Design of an instrument for safety assurance in NMR imaging procedures. Olsen KJ. **Ann Ist Super Sanita** 1983; 19(1):199-204

Preliminary results from phantoms for spatial and contrast resolution, standardisation and calibration, within NMR images. Orr JS, et al. **Ann Ist Super Sanita** 1983;19(1):191-6

Synthetic polymers: a possible source of phantoms for NMR imaging. Segre AL. **Ann Ist Super Sanita** 1983;19(1):169-72

In vivo 13C nuclear magnetic resonance spectroscopy using a solenoid transmit/receiver coil. Field J, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):882-7

The installation of a commercial resistive NMR imager. Smith MA, et al. **Br J Radiol** 1984 Dec;57(684):1145-8

Recommendations for the safe use of NMR equipment. Bernhardt JH, et al. **Clin Phys Physiol Meas** 1985 Feb; 6(1):65-74

NMR imager--a problem tenant. Nicholson L, et al. **Dimens Health Serv** 1984 Nov;61(11):38

NMR imaging: the next five years. Nicholson L, et al. **Dimens Health Serv** 1985 Jan;62(1):23

Nuclear magnetic resonance devices approved. **FDA Drug Bull** 1984 Aug;14(2):18

Dome adds high-tech touch to MRI shield. **Hospitals** 1985 Sep 16;59(18):74

Use of closely coupled receiver coils in MR imaging: practical aspects. Bydder GM, et al. **J Comput Assist Tomogr** 1985 Sep-Oct;9(5):987-96

Use of spherical receiver coils in MR imaging of the brain. Bydder GM, et al. **J Comput Assist Tomogr** 1985 Mar-Apr; 9(2):413-4

Stereotaxis and nuclear magnetic resonance. Leksell L, et al. **J Neurol Neurosurg Psychiatry** 1985 Jan;48(1):14-8

Surface coil magnetic resonance imaging. Edelstein WA, et al. **JAMA** 1985 Feb 8;253(6):828

Magnetic fields associated with a nuclear magnetic resonance medical imaging system. Athey TW, et al. **Magn Reson Imaging** 1982;1(3):149-54

Site location and requirements for the installation of a nuclear magnetic resonance scanning unit. Ross RJ, et al. **Magn Reson Imaging** 1982;1(1):29-33

Practical aspects involved in the design and set up of a 0.15 T, 6-coil resistive magnet, whole body NMR imaging facility. Thomas SR, et al. **Magn Reson Imaging** 1984; 2(4):341-8

Nuclear magnetic resonance imaging techniques as developed modestly within a university medical center environment: what can the small system contribute at this point? Thomas SR, et al. **Magn Reson Imaging** 1982;1(1):11-22

Influence of radiofrequency amplifier nonlinearities on nuclear magnetic resonance image quality. Vollmann W. **Magn Reson Imaging** 1984;2(3):221-6

New developments in nuclear magnetic resonance (NMR) imaging. Heinzerling J. **Neurosurg Rev** 1984;7(4):281-6

Focused hyperthermia with a magnetic resonance imaging (MRI) unit and an interstitial grounded probe. Yamanashi WS, et al. **Physiol Chem Phys Med NMR** 1984;16(6):491-8

A systematic approach to the design and installation of NMR suites with particular reference to the briefing and feasibility stage. Baker D. **Prog Nucl Med** 1984;8:157-70

Questions to ask before buying an NMR unit. Blakesley D. **Prog Nucl Med** 1984;8:171-2

A mini-imaging system based on a 12.5-cm bore magnet. Bonmartin A, et al. **Prog Nucl Med** 1984;8:34-41

Design and application of a proton NMR imaging system based on a window-frame type of magnet. Persson RB, et al. **Prog Nucl Med** 1984;8:28-33

A comparison of saddle-shaped and solenoidal coils for magnetic resonance imaging. Arakawa M, et al. **Radiology** 1985 Jan;154(1):227-8

Re: A simple method for retrieving metal foreign objects from an MR imager [letter] Richardson ML, et al. **Radiology** 1985 Sep;156(3):845

Fiber-optic pressure transducer for use near MR magnetic fields. Roos CF, et al. **Radiology** 1985 Aug;156(2):548

Prototype coil for magnetic resonance imaging of the female breast. Work in progress. Stelling CB, et al. **Radiology** 1985 Feb;154(2):457-62

Simultaneous MR imaging of both breasts using a dedicated receiver coil. Wolfman NT, et al. **Radiology** 1985 Apr; 155(1):241-3

[Demystification of magnetic resonance (editorial)] Doyon D. **J Radiol** 1984 Dec;65(12):815-6 **(Fre)**

[Nuclear magnetic resonance imaging] Desgrez A. **Physiologie** 1984 Oct-Dec;21(4):265-80 **(Fre)**

[Magnetic resonance computer tomographic apparatus] Suzuki T, et al. **Iyodenshi To Seitai Kogaku** 1984 Sep; 22(5):372-3 **(Jpn)**

METHODS

Applications of nuclear magnetic resonance (NMR) in nephrology. Kokko J. **Adv Exp Med Biol** 1984;178:465-71

Cerebral magnetic resonance image synthesis. Bobman SA, et al. **AJNR** 1985 Mar-Apr;6(2):265-9

High-field surface-coil MR imaging of localized anatomy. Schenck JF, et al. **AJNR** 1985 Mar-Apr;6(2):181-6

Magnetic resonance imaging with respiratory gating: techniques and advantages. Ehman RL, et al. **AJR** 1984 Dec;143(6):1175-82

Pelvimetry by magnetic resonance imaging. Stark DD, et al. **AJR** 1985 May;144(5):947-50

Importance of imaging plane for magnetic resonance imaging of the normal left ventricle. Akins EW, et al. **Am J Cardiol** 1985 Aug 1;56(4):366-72

Intracellular pH of perfused single frog skin: combined 19F- and 31P-NMR analysis. Civan MM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C506-10

Elimination of the settling artifact in the nuclear magnetic resonance spectroscopy of living cells. Labotka RJ, et al. **Anal Biochem** 1985 May 15;147(1):75-9

The adequacy of the uni-exponential model in characterizing spin-lattice relaxation curves of biological tissues. Bakker CJ, et al. **Ann Ist Super Sanita** 1983;19(1):103-5

Factors influencing the values of the experimentally obtained relaxation rates of tissues. Bovee WM. **Ann Ist Super Sanita** 1983;19(1):77-80

Spatial localization of high resolution spectra and relaxation times using a rotating frame imaging technique. Haase A, et al. **Ann Ist Super Sanita** 1983;19(1):65-9

The problems of characterization of tissues and biological materials. Mathur-De Vré R. **Ann Ist Super Sanita** 1983; 19(1):143-4

NMR imaging. T1 measurements and calibration in relation to so-called T1 images. Reisse J, et al. **Ann Ist Super Sanita** 1983;19(1):51-6

Technical aspects of human metabolic studies by NMR. Styles P. **Ann Ist Super Sanita** 1983;19(1):61-3

Technique dependence in NMR imaging measurements. Taylor DG, et al. **Ann Ist Super Sanita** 1983;19(1):47-9

Structural analysis of glycoconjugates by mass spectrometry and nuclear magnetic resonance spectroscopy. Sweeley CC, et al. **Annu Rev Biochem** 1985;54:765-801 (285 ref.)

Some recent advances in nuclear magnetic resonance imaging. Pope JM. **Australas Phys Eng Sci Med** 1985 Jan-Mar;8(1):42-7

NMR images produced in a substantially non-uniform field. Braun M, et al. **Australas Radiol** 1985 Feb;29(1):67-70

The separation of phosphocreatine from creatine, and pH determination in frog muscle by natural abundance 13C-NMR. Arús C, et al. **Biochim Biophys Acta** 1985 Jan 18;844(1):91-3

Visualization and measurement of flow with magnetic resonance imaging. Barth K, et al. **Biomed Tech (Berlin)** 1985 Feb;30(1-2):12-7

Random matrix theory in biological nuclear magnetic resonance spectroscopy. Lacelle S. **Biophys J** 1984 Aug; 46(2):181-6

Magnetic resonance imaging: evaluation of palliative systemic-pulmonary artery shunts. Jacobstein MD, et al. **Circulation** 1984 Oct;70(4):650-6

The relationship between proton nuclear magnetic resonance relaxation parameters and myocardial perfusion with acute coronary arterial occlusion and reperfusion. Ratner AV, et al. **Circulation** 1985 Apr;71(4):823-8

Two-dimensional proton nuclear magnetic resonance 'maps' of acetaminophen metabolites in human urine. Bales JR, et al. **Clin Chem** 1985 May;31(5):757-62

Positron emission tomography and nuclear magnetic resonance. Ganz E. **Clin Neurosurg** 1983;31:441-55

NMR studies of phosphoryl transfer reactions. Cohn M. **Curr Top Cell Regul** 1984;24:1-13

Identification of glycine spin systems in 1H NMR spectra of proteins using multiple quantum coherences. Boyd J, et al. **FEBS Lett** 1985 Jul 1;186(1):35-40

An approach to NMR studies of the metabolism of internal organs using surface coils. London RE, et al. **J Biochem Biophys Methods** 1985 May;11(1):21-9

NMR methods for characterizing the state of the surfaces of complex mammalian cells. Mountford CE, et al. **J Biochem Biophys Methods** 1984 Sep;9(4):323-30

1H NMR methods for the noninvasive study of metabolism and other processes involving small molecules in intact erythrocytes. Rabenstein DL. **J Biochem Biophys Methods** 1984 Sep;9(4):277-306 (67 ref.)

NMR imaging--method and applications. Foster MA, et al. **J Biomed Eng** 1985 Jul;7(3):171-82

Respiratory ordered phase encoding (ROPE): a method for reducing respiratory motion artefacts in MR imaging. Bailes DR, et al. **J Comput Assist Tomogr** 1985 Jul-Aug; 9(4):835-8

MR velocity imaging by phase display. Wedeen VJ, et al. **J Comput Assist Tomogr** 1985 May-Jun;9(3):530-6

Characterisation of acute myocardial infarction by gated magnetic resonance imaging. Been M, et al. **Lancet** 1985 Aug 17;2(8451):348-50

Chemical-shift-selective magnetic-resonance imaging of avascular necrosis of the femoral head. Matthaei D, et al. **Lancet** 1985 Feb 16;1(8425):370-1

Practical methods for biological NMR sample handling. Beall PT. **Magn Reson Imaging** 1982;1(3):165-79

Role of 3D imaging in small scale NMR tomography. De Luca F, et al. **Magn Reson Imaging** 1982;1(4):205-8

Nuclear magnetic resonance pulse sequence and discrimination of high- and low-fat tissues. Foster MA, et al. **Magn Reson Imaging** 1984;2(3):187-92

Phase detection and contrast loss in magnetic resonance imaging. Hendrick RE, et al. **Magn Reson Imaging** 1984; 2(4):279-83

Optimizing tissue contrast in magnetic resonance imaging. Hendrick RE, et al. **Magn Reson Imaging** 1984;2(3):193-204

Selection of pulse sequences producing maximum tissue contrast in magnetic resonance imaging. Nelson TR, et al. **Magn Reson Imaging** 1984;2(4):285-94

A method for imaging of chemical shift or magnetic field distributions. Sepponen RE. **Magn Reson Imaging** 1985; 3(2):163-7

A multiple-pulse sequence for improved selective excitation in magnetic resonance imaging. Nishimura DG. **Med Phys** 1985 Jul-Aug;12(4):413-8

NMR blood flow imaging using multiecho, phase contrast sequences. O'Donnell M. **Med Phys** 1985 Jan-Feb; 12(1):59-64

Cerebral NMR: diagnostic evaluation of brain tumors by partial saturation technique with resistive NMR. Zimmerman RA, et al. **Neuroradiology** 1985;27(1):9-15

Magnetic resonance imaging: comparative study of radiofrequency pulse techniques in the evaluation of focal cerebral ischemia. Zabramski JM, et al. **Neurosurgery** 1985 Apr;16(4):502-10

Measurement of radiation dose distributions by nuclear magnetic resonance (NMR) imaging. Gore JC, et al. **Phys Med Biol** 1984 Oct;29(10):1189-97

Limits to signal-to-noise improvement by FID averaging in NMR imaging. Nalcioglu O, et al. **Phys Med Biol** 1984 Aug;29(8):969-78

NMR in vitro measurements: a quality control study of the RADX table-top spectrometer. Burnett KR, et al. **Physiol Chem Phys Med NMR** 1985;17(1):123-9

Methodological aspects of analysing human breast cancer cell lines by NMR spectroscopy. McCormack SA, et al. **Physiol Chem Phys Med NMR** 1984;16(5):359-79

1H homonuclear editing of rat brain using semiselective pulses. Hetherington HP, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3115-8

Multiple-step relayed correlation spectroscopy: sequential resonance assignments in oligosaccharides. Homans SW, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6286-9

Field dependence of relaxation times. Nuclear magnetic relaxation dispersion. Borcard B. **Prog Nucl Med** 1984; 8:47–54

Methods for correcting static field inhomogeneity effects in NMR imaging. Briguet A, et al. **Prog Nucl Med** 1984;8:42–6

Magnetic resonance imaging using a resistive system. Chipperfield S, et al. **Radiography** 1984 Sep–Oct; 50(593):213–9

Comparison of magnetic resonance imaging and ultrasonography in the evaluation of abdominal aortic aneurysms. Amparo EG, et al. **Radiology** 1985 Feb; 154(2):451–6

Blood flow: magnetic resonance imaging. Bradley WG Jr, et al. **Radiology** 1985 Feb;154(2):443–50

Thin-section definition in magnetic resonance imaging. Technical concepts and their implementation. Crooks LE, et al. **Radiology** 1985 Feb;154(2):463–7

A strategy for magnetic resonance imaging of the head: results of a semi-empirical model. Part II. Droege RT, et al. **Radiology** 1984 Nov;153(2):425–33

A strategy for magnetic resonance imaging of the head: results of a semi-empirical model. Part I. Droege RT, et al. **Radiology** 1984 Nov;153(2):419–24

Gated cardiac magnetic resonance structural imaging: optimization by electronic axial rotation. Feiglin DH, et al. **Radiology** 1985 Jan;154(1):129–32

Multiple spin-echo magnetic resonance imaging. Feinberg DA, et al. **Radiology** 1985 May;155(2):437–42

Inner volume MR imaging: technical concepts and their application. Feinberg DA, et al. **Radiology** 1985 Sep; 156(3):743–7

Chemical shift selective MR imaging using a whole-body magnet. Frahm J, et al. **Radiology** 1985 Aug;156(2):441–4

Multi-section multi-echo pulse magnetic resonance techniques: optimization in a clinical setting. Kneeland JB, et al. **Radiology** 1985 Apr;155(1):159–62

MR technology: effect of even-echo rephasing on calculated T2 values and T2 images. Kucharczyk W, et al. **Radiology** 1985 Oct;157(1):95–101

Obstetrical magnetic resonance imaging: fetal anatomy. McCarthy SM, et al. **Radiology** 1985 Feb;154(2):427–32

Obstetrical magnetic resonance imaging: maternal anatomy. McCarthy SM, et al. **Radiology** 1985 Feb;154(2):421–5

Verification and evaluation of internal flow and motion. True magnetic resonance imaging by the phase gradient modulation method. Moran PR, et al. **Radiology** 1985 Feb; 154(2):433–41

Oblique views of the heart by magnetic resonance imaging. Murphy WA, et al. **Radiology** 1985 Jan;154(1):225–6

Proton chemical shift imaging: an evaluation of its clinical potential using an in vivo fatty liver model. Rosen BR, et al. **Radiology** 1985 Feb;154(2):469–72

Chemical shift misregistration effect in magnetic resonance imaging. Soila KP, et al. **Radiology** 1984 Dec;153(3):819–20

Multispectral analysis of magnetic resonance images. Vannier MW, et al. **Radiology** 1985 Jan;154(1):221–4

Continuous noninvasive organ biochemistry and NMR imaging of brain. Haselgrove JC, et al. **Res Publ Assoc Res Nerv Ment Dis** 1985;63:271–84

Magnetic resonance imaging of the central nervous system. Norman D, et al. **Res Publ Assoc Res Nerv Ment Dis** 1985; 63:259–69

Principles of imaging structure by NMR. Oldendorf WH. **Res Publ Assoc Res Nerv Ment Dis** 1985;63:245–57

[Nuclear magnetic resonance. A technic of the future] Bernard A, et al. **Ann Cardiol Angeiol (Paris)** 1985 Mar; 34(3):125–7 (Eng. Abstr.) **(Fre)**

[Contrast agents in magnetic resonance imaging] Couet W, et al. **J Radiol** 1985 May;66(5):397–402 (Eng. Abstr.) **(Fre)**

[Imaging procedures in medical diagnosis: possibilities and limits] Brennecke R. **Biomed Tech (Berlin)** 1984 Oct; 29(10):242–5 **(Ger)**

[Imaging with nuclear magnetic resonance tomography] Czygan P. **Biomed Tech (Berlin)** 1984 Oct;29(10):246–53 (Eng. Abstr.) **(Ger)**

[Algorithms for the generation of tomographic pictures] Schwierz G. **Biomed Tech (Berlin)** 1984 Oct;29(10):257–61 (Eng. Abstr.) **(Ger)**

[Initial experiences with higher magnetic flow densities (1.5T and 2.0T) in MR tomography] Wetzel C. **Biomed Tech (Berlin)** 1984 Oct;29(10):254–6 (Eng. Abstr.) **(Ger)**

[Education and continuing education for physicians and medical personnel in nuclear magnetic resonance] Lissner J, et al. **Digitale Bilddiagn** 1984 Sep;4(3):105–7 **(Ger)**

[Nuclear magnetic tomography in otorhinolaryngology. Case reports] Mees K, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Oct;63(10):485–7 (Eng. Abstr.) **(Ger)**

[NMR in the 80s: new nuclei, new pulses] Günther H, et al. **Naturwissenschaften** 1984 Jul;71(7):342–52 (Eng. Abstr.) **(Ger)**

[CT with high-dose contrast medium administration and delayed conduction and NMR tomography in the diagnosis of multiple sclerosis] Hornig CR, et al. **Nervenarzt** 1984 Aug;55(8):419–21 **(Ger)**

[Significance of nuclear magnetic resonance in current diagnosis] Hünermann B. **Nuklearmedizin** 1984 Oct; 23(5):213–20 (Eng. Abstr.) **(Ger)**

[New rapid imaging procedure for nuclear spin tomography] Hennig J, et al. **Radiologe** 1984 Dec;24(12):579–80 **(Ger)**

[Effect of the contrast medium on the gray shading in magnetic resonance tomography] Semmler W, et al. **ROFO** 1985 Feb;142(2):123–30 (Eng. Abstr.) **(Ger)**

[NMR-site determination. Report of the Workshop NMR-Tomography, Hannover-Technic and clinical aspects] Küper K, et al. **Rontgenpraxis** 1984 Sep;37(9):327–9 **(Ger)**

[Clinical trial of NMR-CT (report 4): clinical evaluation of a hybrid image] Ikehira H, et al. **Kaku Igaku** 1985 Jan; 22(1):67–73 (Eng. Abstr.) **(Jpn)**

[Detection of oxygen lung injury by NMR method] Shioya S, et al. **Kokyu To Junkan** 1985 May;33(5):603–7 **(Jpn)**

STANDARDS

Safety of NMR [letter] **Lancet** 1985 May 11;1(8437):1107–8

[Comparison between CT and NMR images. Physical aspects] Poretti G. **Schweiz Med Wochenschr** 1984 Oct 27; 114(43):1500–6 (Eng. Abstr.) **(Ger)**

SUPPLY & DISTRIBUTION

Mobile MRIs establish market access at low cost, minimal risk. **Hospitals** 1985 Feb 16;59(4):70–3

TRENDS

Advances in imaging technology and their implications [editorial] Palmer J. **Med J Aust** 1985 Jan 7;142(1):3–4

NUCLEAR MEDICINE

see related
RADIOISOTOPES

Licensing. Sorby WA, et al. **Australas Radiol** 1984 Nov; 28(4):282–3

The present situation and future prospects of image processing computer system in nuclear medicine. Akagi H. **Bull Osaka Med Sch [Suppl]** 1984 Dec;14:56–76

Two decades of health physics at INMAS. Gupta MM, et al. **Health Phys** 1984 Aug;47(2):314–9

Proceedings of the 23rd annual meeting of the Japanese Society of Nuclear Medicine. September 23, 24, 25, 1983, Takatuki. Abstracts. **Kaku Igaku** 1984 May;21(5):501–653

Nuclear medicine across the world: facing the realities. **Nucl Med Commun** 1984 Sep;5(9):543–4

Nuclear medicine, a European specialty [editorial] **Nucl Med Commun** 1984 Oct;5(10):607–8

A European association of nuclear medicine [editorial] **Nucl Med Commun** 1984 Aug;5(8):481–3

Nuclear medicine: how medicine is handling its own hazardous wastes. Olsen J. **Ohio State Med J** 1985 Mar; 81(3):175, 177, 179 passim

[Report of the working group of the Society and International Federation of Cardiology and the World Health Organization] Zaret BL, et al. **Arch Mal Coeur** 1985 Jul;78(7):1103–18 **(Fre)**

[Comparative study of possibilities presented to biomedical studies by stable and radioactive isotopes] Balaban AT, et al. **Physiologie** 1985 Jan–Mar;22(1):71–4 **(Fre)**

[Effects of the use of nuclear medicine on the irradiation of the population and occupationally exposed persons] Mănescu S, et al. **Physiologie** 1985 Jan–Mar;22(1):55–61 **(Fre)**

[Nuclear medicine. Author abstracts of the 21st symposium of the Society of Nuclear Medicine of East Germany. Reinhardsbrunn, 15–19 April 1984] **Radiol Diagn (Berl)** 1985;26(1):91–170 **(Ger)**

[Memorial issue of 20th anniversary: Japanese Journal of Nuclear Medicine. Indexes] **Kaku Igaku** 1984 Aug;:1–429 **(Jpn)**

[Present and future of the image processing computer system in nuclear medicine] Akagi H. **Kaku Igaku** 1984 May; 21(5):387–417 (Eng. Abstr.) **(Jpn)**

[Report of the Task Force on Nuclear Cardiology of the International Society and Federation of Cardiology and the World Health Organization] Zaret BL, et al. **Arch Inst Cardiol Mex** 1984 Sep–Oct;54(5):499–514 **(Spa)**

CLASSIFICATION

[Proposal on a code for nuclear medicine based on ICPM code of WHO] Iinuma T, et al. **Radioisotopes** 1984 Jun; 33(6):407–12 **(Jpn)**

EDUCATION

Workshop on postgraduate training in nuclear medicine in Europe. Innsbruck, April 1984, sponsored by the Council of Europe, the Society of Nuclear Medicine Europe and the Medical Faculty of the University of Innsbruck. **Eur J Nucl Med** 1985;10(3–4):185–92

HISTORY

History. Development of new radiopharmaceuticals based on N-substitution of iminodiacetic acid. By Michael D. Loberg, Malcolm Cooper, Elizabeth Harvey, Patrick Callery, and William Faith. 1976. **J Nucl Med** 1984 Oct; 25(10):1144–9

Radioiodine- 125 in biomedicine: 1959–1984. Myers WG. **J Nucl Med** 1984 Dec;25(12):1389–91

George V. Hevesy memorial lecture: 'Professor G. V. Hevesy, Doctor Y. Nishina and nuclear medicine in Japan'. Iio M. **Radiat Med** 1983 Jul–Sep;1(3):255–62

INSTRUMENTATION

Badly designed couch braking system [letter] Dye R, et al. **Br J Radiol** 1984 Oct;57(682):939–40

[Symposium: Heavy particles in radiotherapy] **Radiol Med (Torino)** 1984 Apr;70(4 Suppl 1):127–37 **(Ita)**

[Nuclear medicine devices from the Tesla firm] Broj K, et al. **Med Tekh** 1984 Jul–Aug;(4):56–9 **(Rus)**

METHODS

How to see in the dark: photon noise in vision and nuclear medicine. Peskin CS, et al. **Ann NY Acad Sci** 1984; 435:48–72

Report of the Joint International Society and Federation of Cardiology/World Health Organization Task Force on Nuclear Cardiology. Zaret BL, et al. **Eur Heart J** 1984 Oct;5(10):850–63

STANDARDS

The regulation of radiopharmaceuticals [letter] Conway JJ. **JAMA** 1985 Jun 7;253(21):3093

[Significance and organizational principles of a quality assurance program in nuclear medicine] Sushkevich GN, et al. **Med Radiol (Mosk)** 1985 Jan;30(1):23–8 (Eng. Abstr.) **(Rus)**

TRENDS

Trends and utilization of nuclear medicine in the United States: 1972–1982. Mettler FA Jr, et al. **J Nucl Med** 1985 Feb;26(2):201–5

Future of nuclear medicine--impact of new radiopharmaceuticals and of alternative methods such as nuclear magnetic resonance. Pfannenstiel P, et al. **Nuklearmedizin** 1984 Dec;23(6):273–6

[Symposium: Prospectives in nuclear medicine] **Radiol Med (Torino)** 1984 Apr;70(4 Suppl 1):139–51 **(Ita)**

NUCLEAR MEDICINE DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

NUCLEAR MEMBRANE

The isolation of nuclear envelopes. Effects of thiol-group oxidation and of calcium ions. Comerford SA, et al. **Biochem J** 1985 Feb 15;226(1):95–103

14th annual UCLA symposia. Nuclear envelope structure and RNA maturation. January 12–19, 1985. Abstracts. **J Cell Biochem [Suppl]** 1985;9A:1–31

The geometric progression of nuclear volumes. Bont WS. **J Theor Biol** 1985 Feb 7;112(3):505–12

ANALYSIS

Characterization of lamina-bound chromatin in the nuclear shell isolated from HeLa cells. Bouvier D, et al. **Exp Cell Res** 1985 Feb;156(2):500–12

Nuclear envelope localization of an adenovirus tumor antigen maintains the integrity of cellular DNA. White E, et al. **Mol Cell Biol** 1984 Dec;4(12):2865–75

ENZYMOLOGY

Characterization of a phosphatidylinositol 4-phosphate-specific phosphomonoesterase in rat liver nuclear envelopes. Smith CD, et al. **Arch Biochem Biophys** 1984 Dec;235(2):529–37

Localization of nucleoside triphosphatase activity to the inner nuclear envelope and associated heterochromatin. Clawson GA, et al. **Exp Cell Res** 1984 Nov;155(1):310–4

False localization of acid phosphatase activity in the nuclear envelope and endoplasmic reticulum of peritoneal macrophages. Hoefsmit EC, et al. **Histochem J** 1985 Feb; 17(2):235–41

Modulation of epididymal delta 4-steroid 5 alpha-reductase activity in vitro by the phospholipid environment. Cooke GM, et al. **J Biol Chem** 1985 Jun 25;260(12):7489–95

Solubilization and reconstitution of a nuclear envelope-associated ATPase. Synergistic activation by RNA and polyphosphoinositides. Smith CD, et al. **J Biol Chem** 1984 Oct 10;259(19):11890–4

Increased nucleoside triphosphatase activity of rat liver nuclear envelope is associated with hepatocarcinogen exposure. Clawson GA, et al. **Lab Invest** 1984 Dec; 51(6):682–9

Age-dependent changes of nuclear envelope protein phosphokinase and protein phosphatase activities. Significance for altered nucleo-cytoplasmic mRNA translocation during development. Schröder HC, et al. **Mech Ageing Dev** 1984 Sep;27(1):87–95

IMMUNOLOGY

Monoclonal antibodies prepared against the major Drosophila nuclear Matrix-pore complex-lamina glycoprotein bind specifically to the nuclear envelope in situ. Filson AJ, et al. **J Biol Chem** 1985 Mar 10; 260(5):3164–72

Nuclear pore complexes deposited in the glomerular basement membrane are associated with autoantibodies in a case of membranous nephritis. Dales S, et al. **J Immunol** 1985 Mar;134(3):1588–93

METABOLISM

Androgen-dependent peptides of the rat ventral prostate nuclear envelope. Venkatraman JT, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):469-74

Binding of benzo[a]pyrene to different chromatin domains following activation at the nuclear membrane. Obi FO, et al. **Biosci Rep** 1984 Jul;4(7):541-50

Induction of early mitotic events in a cell-free system. Miake-Lye R, et al. **Cell** 1985 May;41(1):165-75

Different patterns of filipin-sterol labeling in prostate nuclear membranes from normal and castrated rats. Carmo-Fonseca M, et al. **Cell Biol Int Rep** 1985 Jan; 9(1):69-83

A subset of non-histone nuclear proteins reversibly stabilized by the sulfhydryl cross-linking reagent tetrathionate. Polypeptides of the internal nuclear matrix. Kaufmann SH, et al. **Exp Cell Res** 1984 Dec;155(2):477-95

Evidence for penetration of the nuclear envelope by N-nitrosomethylhydroxymethylamine. Gold B, et al. **IARC Sci Publ** 1984;(57):453-8

Role of the nuclear envelope in synthesis, processing, and transport of membrane glycoproteins. Puddington L, et al. **J Biol Chem** 1985 May 10;260(9):5641-7

Glycogen metabolism and the nuclear envelope-annulate lamella system in the early chick embryo. Eyal-Giladi H, et al. **J Cell Sci** 1985 Feb;73:399-407

Involvement of Golgi apparatus and a restructured nuclear envelope during biogenesis and transport of herpes simplex virus glycoproteins. Poliquin L, et al. **J Histochem Cytochem** 1985 Sep;33(9):875-83

Murine interferon-beta receptor-mediated endocytosis and nuclear membrane binding. Kushnaryov VM, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3281-5

[Formation of superoxide radicals by the nuclear membranes of human brain tumors] Tarakhovskiĭ AM, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):88-90 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

GTP stimulates fusion between homologous and heterologous nuclear membranes. Paiement J. **Biochim Biophys Acta** 1984 Nov 7;777(2):274-82

Nucleo-cytoplasmic flux and intracellular mobility in single hepatocytes measured by fluorescence microphotolysis. Peters R. **EMBO J** 1984 Aug;3(8):1831-6

Induction of nuclear envelope breakdown, chromosome condensation, and spindle formation in cell-free extracts. Lohka MJ, et al. **J Cell Biol** 1985 Aug;101(2):518-23

Lateral diffusion in nuclear membranes. Schindler M, et al. **J Cell Biol** 1985 May;100(5):1408-14

Permeability properties of mammalian cell nuclei in living cells and in vitro. Reynolds CR, et al. **J Cell Sci** 1984 Aug; 70:197-207

Nuclear envelope permeability: a sensitive indicator of pore complex integrity. Lang I, et al. **Prog Clin Biol Res** 1984; 164:377-86

RADIATION EFFECTS

[Study of radiation damage to nuclear membranes by IR spectroscopy and monolayer technics] Moiseeva LN, et al. **Radiobiologiia** 1984 Nov-Dec;24(6):743-7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Intranuclear membranous profiles in germinoma cells--a variant of nuclear pockets and intranuclear annulate lamellae. Koide O, et al. **Acta Pathol Jpn** 1985 May; 35(3):605-19

Anchorage of the nucleolus in the pore complex-lamina by a DNA-bearing structure masked in situ in rat liver nuclei. Hubert J, et al. **Biol Cell** 1984;52(2):91-101

Dilated cisternae of nuclear envelope and rough endoplasmic reticulum in the proventriculus of Drosophila auraria larvae. Dimitriadis VK. **Cell Biol Int Rep** 1985 Aug; 9(8):747-52

Effect of mitochondrial inhibitors on metaphase-telophase progression and nuclear membrane formation in Chinese hamster cells. Chai LS, et al. **Cell Tissue Kinet** 1985 Jan; 18(1):13-25

Membrane-mediated changes in the structure of chromosomes. Belyaev ND, et al. **Chromosoma** 1985; 92(3):193-9

Movement of a karyophilic protein through the nuclear pores of oocytes. Feldherr CM, et al. **J Cell Biol** 1984 Dec; 99(6):2216-22

Nuclear pores and interphase chromatin: high-resolution image analysis and freeze etching. Nicolini C, et al. **J Cell Sci** 1984 Dec;72:75-87

Organization and modulation of nuclear lamina structure. Gerace L, et al. **J Cell Sci [Suppl]** 1984;1:137-60

Association of perichromatin granules with nuclear pores of growing Chinese hamster oocytes. Takeuchi IK, et al. **J Electron Microsc (Tokyo)** 1984;33(4):388-94

Change of karyoskeleton during spermatogenesis of Xenopus: expression of lamin LIV, a nuclear lamina protein specific for the male germ line. Benavente R, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6176-80

Patterns of nuclear lamins in diverse animal and plant cells and in germ cells as revealed by immunofluorescence microscopy with polyclonal and monoclonal antibodies. Högner D, et al. **Tissue Cell** 1984;16(5):693-703

NUCLEAR POLYHEDROSIS VIRUSES see **POLYHEDROSIS VIRUSES**

NUCLEAR PORE see **NUCLEAR MEMBRANE**

NUCLEAR RADIOLOGY see **NUCLEAR MEDICINE**

NUCLEAR REACTORS

Three Mile Island. Psychology and environmental policy at a crossroads. Hartsough DM, et al. **Am Psychol** 1984 Oct; 39(10):1113-22

Cancer mortality in small areas around nuclear facilities in England and Wales. Baron JA. **Br J Cancer** 1984 Dec; 50(6):815-24

Environmental and health effects of the nuclear industry and nuclear weapons: a current evaluation. Johnson CJ. **Ecol Dis** 1982;1(2-3):135-52 (69 ref.)

Health effects of airborne effluents released from the nuclear cycle. De Santis V, et al. **Environ Res** 1985 Aug; 37(2):300-12

Confirm or deny: nuclear submarine workers at Portsmouth Naval Shipyard had excess leukemia [letter] Bross ID. **Health Phys** 1985 Sep;49(3):535-6

The disparity between the amount of emergency preparedness for nuclear vs other rare catastrophic events. Casey WR, et al. **Health Phys** 1984 Oct;47(4):521-3

Health physics aspects of a research reactor fuel shipment. Dodd B. **Health Phys** 1985 Jan;48(1):114-6

Distribution of gamma exposure rates in a reactor effluent stream flood plain system. Gladden JB, et al. **Health Phys** 1985 Jan;48(1):49-59

The French emergency plans in the event of nuclear accidents. Hamard J, et al. **Health Phys** 1984 Nov; 47(5):701-10

Contamination of surface-water bodies after reactor accidents by the erosion of atmospherically deposited radionuclides. Helton JC, et al. **Health Phys** 1985 Jun; 48(6):757-71

Carbon-14 discharge at three light-water reactors. Kunz C. **Health Phys** 1985 Jul;49(1):25-35

Krypton-85 purge at Three Mile Island: a comparison of measured and calculated surface air concentrations. Kunz C, et al. **Health Phys** 1985 Sep;49(3):522-6

Post-accident radiation monitors. Laughlin GJ, et al. **Health Phys** 1985 Jan;48(1):105-9

Potassium iodide: predistribution or not? The real emergency preparedness issue. Martin JA Jr. **Health Phys** 1985 Aug; 49(2):287-9

Inhalation of U aerosols from UO2 fuel element fabrication. Schieferdecker H, et al. **Health Phys** 1985 Jan;48(1):29-48

Excretion of 35S from two contaminated workers. Spate VL, et al. **Health Phys** 1985 Jul;49(1):84-7

Comments on the paper 'Measurement of the effective dose equivalent in a nuclear reactor environment with a personal thermoluminescent dosimeter' [letter] Sutherland JK. **Health Phys** 1985 Aug;49(2):315-7

Health impact of radioactive debris from the satellite Cosmos 954. Tracy BL, et al. **Health Phys** 1984 Aug;47(2):225-33

A feasibility study of the in vivo prompt gamma activation analysis using a mobile nuclear reactor. Chung C, et al. **Int J Appl Radiat Isot** 1985 May;36(5):357-67

An assessment of the radiological impact of the Windscale reactor fire, October 1957. Crick MJ, et al. **Int J Radiat Biol** 1984 Nov;46(5):479-506

Airborne radionuclides onto pine needles collected in the vicinity of the nuclear power plant. Watabe T, et al. **J Radiat Res (Tokyo)** 1984 Jun;25(2):140-9

Three Mile Island--the next time [editorial] Kerr C. **Med J Aust** 1985 Jul 8;143(1):5

Thyroid cancer and TMI. Berkheiser SW. **Pa Med** 1985 May; 88(5):50-1

Sodium in man and the assessment of radiation dose after criticality accidents. Mole RH. **Phys Med Biol** 1984 Nov; 29(11):1307-27

Substoichiometric determination of cobalt in crud. Hoshi M, et al. **Radioisotopes** 1985 Apr;34(4):201-6

[Method of determining actinoids in the sodium heat carrier of fast reactors] Vorob'ev AM, et al. **Gig Sanit** 1984 Sep; (9):59-61 **(Rus)**

STANDARDS

Management of irradiated and contaminated casualty victims. Milroy WC. **Emerg Med Clin North Am** 1984 Aug; 2(3):667-86

[Development of the concept of control levels applicable to radiation control systems] Deviataĭkin EV, et al. **Gig Sanit** 1984 Sep;(9):92-3 **(Rus)**

NUCLEAR WARFARE

see related

RADIOACTIVE FALLOUT

Genetics and atomic bombs in Hiroshima and Nagasaki. Hamilton HB. **Am J Med Genet** 1985 Mar;20(3):541-6

Preparation for nuclear war: the final madness. Rapoport A. **Am J Orthopsychiatry** 1984 Oct;54(4):524-9

Nuclear death: an unprecedented challenge to psychiatry and religion. Frank JD. **Am J Psychiatry** 1984 Nov; 141(11):1343-8

A role for psychiatrists in preventing nuclear war [letter] Ketai R. **Am J Psychiatry** 1984 Dec;141(12):1640-1

Handbook: Radiation safety in shelters [letter] Evdokimoff VN. **Am J Public Health** 1985 Apr;75(4):414

After the missiles. Sociopsychological effects of nuclear war. Allen BP. **Am Psychol** 1985 Aug;40(8):927-37

On nuclear war and emergency health care [letter] Magnotto L, et al. **Ann Emerg Med** 1984 Nov;13(11):1081-2

The feasibility and urgency of monitoring human populations for the genetic effects of radiation: the Hiroshima-Nagasaki experience. Neel JV. **Basic Life Sci** 1985;33:393-413

Cooperation not confrontation: the imperative of a nuclear age. Dyer J. **Br Med J [Clin Res]** 1985 Jul 20; 291(6489):191-3

Anxieties in adolescents about unemployment and war. Gillies P, et al. **Br Med J [Clin Res]** 1985 Aug 10; 291(6492):383-4

The nuclear threat and Canadian children. Sommers FG, et al. **Can J Public Health** 1985 May-Jun;76(3):154-6

Comment on 'Forecasting radiation exposure from fallout' [letter] Evdokimoff VN. **Health Phys** 1985 Apr;48(4):510-3

A 37-year medical follow-up of Manhattan Project Pu workers. Voelz GL, et al. **Health Phys** 1985 Mar; 48(3):249-59

Incidence of gastric cancer in atomic bomb survivors residing in the Hiroshima area. Ito C, et al. **Hiroshima J Med Sci** 1984 Mar;33(1):47-52

Micronuclei and chromosome aberrations found in bone marrow cells and lymphocytes from thorotrast patients and atomic bomb survivors. Tanaka K, et al. **Hiroshima J Med Sci** 1984 Mar;33(1):101-11

Electrophoretic variants of blood proteins in Japanese. IV. Prevalence and enzymologic characteristics of glucose-6-phosphate dehydrogenase variants in Hiroshima and Nagasaki. Kageoka T, et al. **Hum Genet** 1985; 70(2):101-8

Genetics and the atomic bombs [editorial] Wagner BM. **Hum Pathol** 1985 Feb;16(2):101-2

On sudden death. Chamberlain DA, et al. **Int J Cardiol** 1984 Sep;6(3):389-90

Detection of late effects of ionizing radiation: why deaths of A-bomb survivors are so misleading. Stewart A. **Int J Epidemiol** 1985 Mar;14(1):52-6

Medicine and nuclear war: a challenge of unprecedented proportions. Alton DJ. **J Can Assoc Radiol** 1984 Sep; 35(3):236-7

A survey of medical school programs on nuclear war. McCally M, et al. **J Med Educ** 1984 Nov;59(11 Pt 1):900-1

Medical consequences of nuclear weapons today: 'final epidemic'? [news] Ketchum LE. **J Nucl Med** 1985 Aug; 26(8):837-40

Radiation of Hiroshima and Nagasaki builds foundation for risk estimates. Ketchum LE. **J Nucl Med** 1985 Aug; 26(8):833-6

Japanese scientists and A-bomb survivors spend lifetime in radiation studies [news] Mitchell G. **J Nucl Med** 1985 Aug; 26(8):842-4

Physicians confront the apocalypse. The American medical profession and the threat of nuclear war. Boyer P. **JAMA** 1985 Aug 2;254(5):633-43

The nuclear weapons freeze and a cancer metaphor. A physician's view. Bruwer A. **JAMA** 1985 Aug 2; 254(5):657-8

The physician's oath and the prevention of nuclear war. Cassel CK, et al. **JAMA** 1985 Aug 2;254(5):652-4

Patient education re: nuclear war [letter] Cohen DA. **JAMA** 1985 Mar 22-29;253(12):1721

The medical profession and nuclear war. A social history. Day B, et al. **JAMA** 1985 Aug 2;254(5):644-51

The final epidemic: nuclear and population explosions [letter] Ende N. **JAMA** 1985 May 10;253(18):2643

The nuclear arms race and the Third World [letter] Gilks CF, et al. **JAMA** 1985 Aug 2;254(5):608

Hiroshima and ourselves. Lifton RJ. **JAMA** 1985 Aug 2; 254(5):631-2

Physicians' group seeks nuclear arms ban [news] Litwin MS. **JAMA** 1985 Aug 2;254(5):586-7, 591

Cooperation not confrontation: the imperative of a nuclear age. The message from Budapest. Lown B, et al. **JAMA** 1985 Aug 2;254(5):655-7

Prescriptions for peace in a nuclear age [editorial] Lundberg GD. **JAMA** 1985 Aug 2;254(5):660-1

No extra cancer deaths noted from atomic studies [news] Marwick C. **JAMA** 1985 Aug 2;254(5):592, 595

Nursing homes after nuclear war: neglected medical resources [letter] Sherman FT. **JAMA** 1985 Mar 8; 253(10):1390-1

Physicians' antinuclear war group expanding to include child health [news] Ziporyn T, et al. **JAMA** 1985 Aug 2; 254(5):585-7

A parallel analysis of cancer mortality among atomic bomb survivors and patients with ankylosing spondylitis given X-ray therapy. Darby SC, et al. **JNCI** 1985 Jul;75(1):1-21

IPPNW's role [letter] **Lancet** 1985 Jun 8;1(8441):1334

Civil defence: the NHS after a nuclear attack. Deitch R. **Lancet** 1985 Jun 22;1(8443):1460-1

Civil defence, with aspirins [letter] Patterson C. **Lancet** 1985 Jul 27;2(8448):214

Doubts about IPPNW [letter] van der Sluis I, et al. **Lancet** 1985 Mar 30;1(8431):758

Nuclear war and health [letter] **Med J Aust** 1985 Jan 21; 142(2):165-6

USA v. USSR: the kids lose. McDaniel CG. **Med J Aust** 1985 Feb 4;142(3):216-7

Medical consequences of nuclear war. Burducea O, et al. **Morphol Embryol (Bucur)** 1985 Apr-Jun;31(2):151-2

Radiation casualties in a nuclear war. Lindop P, et al. **Nature** 1985 Jan 31-Feb 6;313(6001):345-6

Earth's final hazard. Edwards KS. **Ohio State Med J** 1985 Mar;81(3):184-9

Will there be a tomorrow without the children? Barness LA. **Pediatrics** 1985 Sep;76(3):459-60

An analysis of various aspects of atomic bomb dose estimation at RERF using data on acute radiation symptoms. Gilbert ES, et al. **Radiat Res** 1984 Oct;100(1):124-38

Mortality of registered A-bomb survivors in Nagasaki, Japan, 1970-1984. Okajima S, et al. **Radiat Res** 1985 Sep; 103(3):419-31

Effects of atomic bomb radiation on the differentiation of B lymphocytes and on the function of concanavalin A-induced suppressor T lymphocytes. Yamada Y, et al. **Radiat Res** 1985 Feb;101(2):351-5

Dose response of radiation induced cancer. Kato H. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:169-73

National security and the health of people: human needs and the allocation of scarce resources. Gellhorn A. **Soc Sci Med** 1984;19(4):307-32

Defense against nuclear weapons: a decision analysis. Orient JM. **South Med J** 1985 Feb;78(2):178-88

[Hematologic changes after a nuclear explosion] Dienstbier Z. **Cas Lek Cesk** 1985 Aug 2;124(31):961-4 (Eng. Abstr.) **(Cze)**

[Late results of nuclear and chemical weapons in man] Dienstbier Z. **Cas Lek Cesk** 1984 Dec 14;123(50):1521-3 (Eng. Abstr.) **(Cze)**

[The polemologic congress in Helsinki; nuclear warfare can be prevented] van der Lugt HA, et al. **Ned Tijdschr Geneeskd** 1984 Oct 20;128(42):2003-5 **(Dut)**

[Nuclear victims] Bocquet A, et al. **Chirurgie** 1984; 110(4):328-31 (Eng. Abstr.) **(Fre)**

[The new dose estimates for Hiroshima and Nagasaki and the consequences for those survivors exposed to low doses] Kellerer AM. **Strahlenschutz Forsch Prax** 1985;25:2-22 **(Ger)**

[Consequences for military medicine of new nuclear weapons developments] Vogler H. **Z Gesamte Inn Med** 1985 Jan 15;40(2):33-7 (Eng. Abstr.) **(Ger)**

[Epidemiological studies on gastric cancer in Nagasaki] Iwasaki K, et al. **Gan No Rinsho** 1984 Nov;30(14):1746-54 (Eng. Abstr.) **(Jpn)**

[Epidemiological studies of colon cancer in Nagasaki City with special reference to radiation exposure] Shimokawa I, et al. **Gan No Rinsho** 1984 Aug;30(10):1269-73 (Eng. Abstr.) **(Jpn)**

[Ionizing radiations from nuclear weapons] Lote K. **Tidsskr Nor Laegeforen** 1984 Aug 20;104(23):1554-8 (Eng. Abstr.) **(Nor)**

[Long-term effects of nuclear war] Erlich PR, et al. **Pol Tyg Lek** 1984 Oct 29;39(44):1467-70 **(Pol)**

[Physicians' movement against nuclear war] Savel'eva GM. **Akush Ginekol (Mosk)** 1985 May;(5):3-5 **(Rus)**

[World physicians for prevention of nuclear war] Serov VV. **Klin Med (Mosk)** 1985 Feb;63(2):3-7 **(Rus)**

[The Hippocratic oath and the movement of physicians for peace against nuclear warfare [editorial] Kozlov AM. **Med Radiol (Mosk)** 1985 Jun;30(6):3-6 **(Rus)**

[Various prognoses of possible medical consequences of using nuclear weapons] Il'in LA. **Ter Arkh** 1985;57(5):17-20 **(Rus)**

[World physicians for prevention of nuclear war] Likhachev AG. **Vestn Otorinolaringol** 1985 May-Jun;(3):14-22 **(Rus)**

[Physicians against nuclear war] Zherbin EA. **Vopr Onkol** 1984;30(9):3-6 **(Rus)**

[Use of nuclear radiation in public health institutions of the Ukrainian SSR] Kindzel'skiĭ LP, et al. **Vrach Delo** 1984 Dec;(12):103-6 **(Rus)**

[The physicians' movement to prevent nuclear war and the organization for signatures on the Amsterdam appeal to stop the nuclear arms race] Mariányi J. **Cas Lek Cesk** 1984 Aug 24;123(34):1047-8 **(Slo)**

NUCLEASES, DNA see **DEOXYRIBONUCLEASES**

NUCLEASES, RNA see **RIBONUCLEASES**

NUCLEIC ACID CONFORMATION

DNA methylation and DNA structure. Spadari S, et al. **Adv Exp Med Biol** 1984;179:551-6

Generation of nucleic acid structures and binding of molecules to DNA. Miller KJ, et al. **Ann NY Acad Sci** 1985;439:64-80 (63 ref.)

Theoretical analysis of conformational equilibria in superhelical DNA. Benham CJ. **Annu Rev Biophys Biophys Chem** 1985;14:23-45 (105 ref.)

Molecular assessment of S1 endonuclease-resistant snapback hairpin loops generated by DNA polymerase I during the in-vitro nick translation reaction. Norgard MV. **Appl Biochem Biotechnol** 1985 Feb;11(1):1-15

Measurement of the helix opening rate in Z-DNA by 1H nuclear magnetic resonance relaxation spectroscopy. Bendel P. **Biochem Biophys Res Commun** 1985 Apr 16; 128(1):352-9

Thermal stability of the Z-conformation of the tetranucleoside triphosphate (m5dC-dG)2. Genest D, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):803-11

Translational modulation in vitro of a eukaryotic viral mRNA encoding overlapping genes: ribosome scanning and potential roles of conformational changes in the P/C mRNA of Sendai virus. Gupta KC, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):91-7

U4 small nuclear RNA pseudogenes from rat genome have common truncated 3'-ends. Saba JA, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):828-34

Conformational microheterogeneity in a DNA double helix: structure of restriction endonuclease Bam H1 recognition site. Sarma MH, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):269-76

Photochemical demonstration of stacked C.C+ base pairs in a novel DNA secondary structure. Brown DM, et al. **Biochemistry** 1985 Mar 26;24(7):1676-83

Base protonation facilitates B-Z interconversions of poly(dG-dC) X poly(dG-dC). Chen FM. **Biochemistry** 1984 Dec 4;23(25):6159-65

Alternative conformers of 5S ribosomal RNA and their biological relevance. Christensen A, et al. **Biochemistry** 1985 Apr 23;24(9):2284-91

Phosphorus-31 nuclear magnetic resonance of highly oriented DNA fibers. 2. Molecular motions in hydrated DNA. Fujiwara T, et al. **Biochemistry** 1985 Feb 12; 24(4):896-902

Structural basis for stabilization of Z-DNA by cobalt hexaammine and magnesium cations. Gessner RV, et al. **Biochemistry** 1985 Jan 15;24(2):237-40

Contribution of histones H2A and H2B to the folding of nucleosomal DNA. Jordano J, et al. **Biochemistry** 1984 Sep 11;23(19):4285-9

Rearrangement of nucleosomal components by modification of histone amino groups. Structural role of lysine residues. Jordano J, et al. **Biochemistry** 1984 Sep 11;23(19):4280-4

Electron microscopy of secondary structure in partially denatured Escherichia coli 16S rRNA and 30S subunits. Klein BK, et al. **Biochemistry** 1984 Aug 14;23(17):3927-33

Comparison of the conformation of poly(dI-dC) with poly(dI-dbr5C) and the B and Z forms of poly(dG-dC). One- and two-dimensional NMR studies. Mirau PA, et al. **Biochemistry** 1984 Nov 6;23(23):5439-46

Interactions of H1 and H5 histones with polynucleotides of B- and Z-DNA conformations. Mura CV, et al. **Biochemistry** 1984 Dec 4;23(25):6147-52

23Na NMR relaxation study of the effects of conformation and base composition on the interactions of counterions with double-helical DNA. Nordenskiöld L, et al. **Biochemistry** 1984 Sep 11;23(19):4309-17

Conformation and dynamics of the Pribnow box region of the self-complementary d(C-G-A-T-T-A-T-A-A-T-C-G) duplex in solution. Patel DJ, et al. **Biochemistry** 1985 Feb 12;24(4):936-44

Conformation, dynamics, and structural transitions of the TATA box region of self-complementary d[(C-G)n-T-A-T-A-(C-G)n] duplexes in solution. Patel DJ, et al. **Biochemistry** 1985 Feb 12,24(4):926-35

Phosphorus-31 nuclear magnetic resonance of highly oriented DNA fibers. 1. Static geometry of DNA double helices. Shindo H, et al. **Biochemistry** 1985 Feb 12; 24(4):887-95

Interstrand psoralen cross-links do not introduce appreciable bends in DNA. Sinden RR, et al. **Biochemistry** 1984 Dec 18;23(26):6299-303

Nuclear magnetic resonance signal assignments of purified [13C]methyl-enriched yeast phenylalanine transfer ribonucleic acid. Smith C, et al. **Biochemistry** 1985 Mar 12;24(6):1434-40

Circular dichroism and thermal melting of two small DNA restriction fragments of the same molecular weight. Stellwagen NC. **Biochemistry** 1984 Dec 18;23(26):6311-9

Left-handed helical structure of poly[d(A-C)].poly[d(G-T)] studied by infrared spectroscopy. Taillandier E, et al. **Biochemistry** 1984 Nov 20;23(24):5703-6

Toroidal condensation of Z DNA and identification of an intermediate in the B to Z transition of poly(dG-m5dC) X poly(dG-m5dC). Thomas TJ, et al. **Biochemistry** 1985 Jan 29;24(3):713-9

Terbium(3+) as a probe of nucleic acids structure. Does it alter the DNA conformation in solution? Gersanovski D, et al. **Biochim Biophys Acta** 1985 Apr 19;824(4):313-23

Some properties of the interstrand crosslinks in depurinated DNA. Goffin C, et al. **Biochim Biophys Acta** 1984 Oct 5;783(1):1-5

Left-handed Z-DNA. Leng M. **Biochim Biophys Acta** 1985 Aug 21;825(4):339-44 (70 ref.)

The circular dichroism properties of phi W-14 DNA containing alpha-putrescinylthymine. Spetter S, et al. **Biochim Biophys Acta** 1985 Mar 8;838(3):312-20

Reversible helix/coil transitions of left-handed Z-DNA structures. Comparison of the thermodynamic properties of poly(dG).poly(dC), poly[d(G-C)].poly[d(G-C)], and poly(dG-m5dC).poly(dG-m5dC). Klump HH, et al. **Biol Chem Hoppe Seyler** 1985 Apr;366(4):345-53

X-ray scattering evidence that calf thymus DNA in solution is a double helix and not a warped zipper. Müller JJ, et al. **Biomed Biochim Acta** 1984;43(7):929-36

Interactions of nucleic acid double helices induced by electric field pulses. Porschke D, et al. **Biophys Chem** 1984 Oct; 20(3):225-35

The resolution of nucleic acid-ligand binding sites by CD first-neighbor analysis. Allen FS, et al. **Biopolymers** 1984 Nov;23(11 Pt 2):2661-8

On the first-neighbor analysis of nucleic acid CD spectra: the definitive T matrix and considerations of various methods. Allen FS, et al. **Biopolymers** 1984 Nov;23(11 Pt 2):2639-59

Temperature-dependent conformational transitions in poly(dG-dC) and poly(dG-m5dC). Behe MJ, et al. **Biopolymers** 1985 Feb;24(2):289-300

Dependence of purine 8C-H exchange on nucleic acid conformation and base-pairing geometry: a dynamic probe of DNA and RNA secondary structures. Benevides JM, et al. **Biopolymers** 1985 Apr;24(4):667-82

Conformation of double-stranded polydeoxynucleotides in solution by proton two-dimensional nuclear Overhauser enhancement spectroscopy. Borah B, et al. **Biopolymers** 1985 May;24(5):747-65

Identification of a new electronic transition in the Z form of poly(dG-dC).poly(dG-dC) by infrared absorption and resonance Raman spectroscopy. Chinsky L, et al. **Biopolymers** 1984 Oct;23(10):1931-42

Low-frequency lattice mode predictions in A-DNA compared to experimental observations and significance for A-to-B conformation change. Devi Prasad KV, et al. **Biopolymers** 1984 Sep;23(9):1795-8

Twist and writhing in short circular DNAs according to first-order elasticity. Le Bret M. **Biopolymers** 1984 Oct; 23(10):1835-67

Differential electrostatic stabilization of A-, B-, and Z-forms of DNA. Matthew JB, et al. **Biopolymers** 1984 Dec; 23(12):2743-59

Potential-energy surface for double-helical DNA with Watson-Crick pairs. I. Complete scanning in the space of torsion angles. Neyfack YuA, et al. **Biopolymers** 1984 Nov; 23(11 Pt 2):2419-40

Generalized Poisson-Boltzmann calculation of the distribution of electrolyte ions around the B- and Z-conformers of DNA. Pack GR, et al. **Biopolymers** 1984 Dec;23(12):2801-23

The DNA phosphate orientation. Infrared data and energetically favorable structures. Pohle W, et al. **Biopolymers** 1984 Nov;23(11 Pt 2):2603-22

Interactions of molecules with nucleic acids. XI. Generalization of techniques to generate nucleic acid structures with applications to intercalation sites and kinked structures. Taylor ER, et al. **Biopolymers** 1984 Dec; 23(12):2853-78

Potential-energy surface for double-helical DNA with Watson-Crick base pairs. II. Complete energy minimization study. Tumanyan VG, et al. **Biopolymers** 1984 Nov;23(11 Pt 2):2441-71

Sequence analysis of a PM2-DNA anti-Z-IgG-binding region. Miller FD, et al. **Biosci Rep** 1984 Oct;4(10):885-95

Effect of alkylation with N-methyl-N-nitrosourea and N-ethyl-N-nitrosourea on the secondary structure of DNA. Rizvi RY, et al. **Biosci Rep** 1984 Sep;4(9):729-35

A conformational rationale for the replication of nucleic acids under prebiotic conditions. Balasubramanian R, et al. **Biosystems** 1984;17(2):77-85

Reaction potentials of the constituent bases of DNA and the effects of base stacking. Klopman G, et al. **Cancer Biochem Biophys** 1985 Feb;7(4):275-90

Repair of O6-methylguanine, by mammalian cell extracts, in alkylated DNA and poly(dG-m5dC).(poly dG-m5dC) in B and Z forms. Boiteux S, et al. **Carcinogenesis** 1985 May;6(5):805-7

Base displacement in AAF-modified Z-DNA. Broyde S, et al. **Carcinogenesis** 1985 Jan;6(1):151-4

Interaction of intercalating and non-intercalating agents with DNA: use of hydroxyapatite chromatography and S1 nuclease. Alvi NK, et al. **Chem Biol Interact** 1985 Feb-Apr; 53(1-2):219-31

DNA topoisomerases: enzymes that control DNA conformation. Vosberg HP. **Curr Top Microbiol Immunol** 1985;114:19-102 (514 ref.)

The solution structure of a B-DNA undecamer comprising a portion of the specific target site for the cAMP receptor protein in the gal operon. Refinement on the basis of interproton distance data. Clore GM, et al. **EMBO J** 1985 Mar;4(3):829-35

Electron microscopy of SV40 DNA cross-linked by anti-Z DNA IgG. Hagen FK, et al. **EMBO J** 1985 Mar; 4(3):837-44

A model for intracellular complexation between gene-5 protein and bacteriophage fd DNA. Brayer GD, et al. **Eur J Biochem** 1985 Jul 15;150(2):287-96

Investigation of the solution structure of a DNA octamer [d(GGAATTCC)]2 using two-dimensional nuclear Overhauser enhancement spectroscopy. Broido MS, et al. **Eur J Biochem** 1985 Jul 1;150(1):117-28

Shadowing of elongated helical molecules (myosin, tropomyosin, collagen, and DNA) yields regular molecule-dependent heavy metal grain patterns. Walzthöny D, et al. **Eur J Cell Biol** 1984 Nov;35(2):216-25

Specific formation of electron gain and loss centres in X-irradiated oriented fibres of DNA at low temperatures. Hüttermann J, et al. **Faraday Discuss Chem Soc** 1984; (78):135-49

Footprinting of DNA secondary structure by high-intensity (laser) ultraviolet irradiation. Budowsky EI, et al.

FEBS Lett 1985 Aug 19;188(1):155-8

Folding of single-stranded DNA on the histone octamer. Caffarelli E, et al. **FEBS Lett** 1985 Feb 11;181(1):69-73

Probing the three-dimensional structures of DNA and RNA oligonucleotides in solution by nuclear Overhauser enhancement measurements. Clore GM, et al. **FEBS Lett** 1985 Jan 7;179(2):187-98 (96 ref.)

Fibre diffraction of lithium DNA shows structural variability and deviation from a regular helical structure for the B-form. Dutta S, et al. **FEBS Lett** 1984 Oct 15;176(1):110-4

A----Z transition in the synthetic hexanucleotide (dCdGfl)3. Fazakerley GV, et al. **FEBS Lett** 1985 Mar 25;182(2):365-9

Stable secondary structures at the 3'-end of the genome of yellow fever virus (17 D vaccine strain). Grange T, et al. **FEBS Lett** 1985 Aug 19;188(1):159-63

Identification in several human myeloid leukemias or cell lines of a DNA rearrangement next to the c-mos 3'-end. Revoltella RP, et al. **FEBS Lett** 1985 Sep 9;189(1):97-101

Use of phosphorothioate analogs of poly(dA-dT).poly(dAdT) to study steroidal-diamine induced conformational change in poly(dA-dT).poly(dA-dT). Suggs JW, et al. **FEBS Lett** 1985 Sep 9;189(1):77-80

Torus-shaped particles formed due to intermolecular condensation of circular DNA upon interaction with synthetic tripeptide. Vengerov YY, et al. **FEBS Lett** 1985 Jan 21;180(1):81-4

Salt and base sequence specific changes in the chiroptical properties of DNA. Kypr J, et al. **Gen Physiol Biophys** 1984 Jun;3(3):223-9

Conformations of 3-methylpurine nucleosides: implications on the structure of DNA duplexes. Rao SN, et al. **Indian J Biochem Biophys** 1984 Aug;21(4):222-6

A possible correlation between DNA conformation and the mode of action of restriction enzymes. Nishimura Y, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1807-11

The Escherichia coli O6-methylguanine-DNA methyltransferase does not repair promutagenic O6-methylguanine residues when present in Z-DNA. Boiteux S, et al. **J Biol Chem** 1985 Jul 25;260(15):8711-5

Spacing of the -10 and -35 regions in the tac promoter. Effect on its in vivo activity. Brosius J, et al. **J Biol Chem** 1985 Mar 25;260(6):3539-41

Extent of equilibrium perturbation of the DNA helix upon enzymatic methylation of adenine residues. Cheng SC, et al. **J Biol Chem** 1985 Jan 10;260(1):191-4

Relaxation of supercoiled phosphorothioate DNA by mammalian topoisomerases is inhibited in a base-specific manner. Darby MK, et al. **J Biol Chem** 1985 Apr 10; 260(7):4501-7

Mechanism of strand passage by Escherichia coli topoisomerase I. The role of the required nick in catenation and knotting of duplex DNA. Dean FB, et al. **J Biol Chem** 1985 Apr 25;260(8):4984-94

Duplex DNA knots produced by Escherichia coli topoisomerase I. Structure and requirements for formation. Dean FB, et al. **J Biol Chem** 1985 Apr 25;260(8):4975-83

The DNA restriction endonuclease of Escherichia coli B. II. Further studies of the structure of DNA intermediates and products. Endlich B, et al. **J Biol Chem** 1985 May 10;260(9):5729-38

Influence of template primary and secondary structure on the rate and fidelity of DNA synthesis. Hillebrand GG, et al. **J Biol Chem** 1985 Mar 10;260(5):3116-25

Intermediates in the replication of kinetoplast DNA minicircles. Kitchin PA, et al. **J Biol Chem** 1985 Mar 25; 260(6):3844-51

Electron microscopy of secondary structure in partially denatured precursor and mature Escherichia coli 16 S and 23 S rRNA. Klein BK, et al. **J Biol Chem** 1985 Jul 5; 260(13):8114-20

Structure of the promoter of the rat type II procollagen gene. Kohno K, et al. **J Biol Chem** 1985 Apr 10;260(7):4441-7

Transfer RNA splicing in Saccharomyces cerevisiae. Secondary and tertiary structures of the substrates. Lee MC, et al. **J Biol Chem** 1985 Mar 10;260(5):3108-15

Structure and expression of the alkA gene of Escherichia coli involved in adaptive response to alkylating agents. Nakabeppu Y, et al. **J Biol Chem** 1984 Nov 25; 259(22):13730-6

Primary and secondary structure of 7-3 (K) RNA of Novikoff hepatoma. Reddy R, et al. **J Biol Chem** 1984 Oct 10;259(19):12265-70

Secondary structure analysis of apolipoprotein II mRNA using enzymatic probes and reverse transcriptase. Evaluation of primer extension for high resolution structure mapping of mRNA. Shelness GS, et al. **J Biol Chem** 1985 Jul 15;260(14):8637-46

Structure of the two related elastase genes expressed in the rat pancreas. Swift GH, et al. **J Biol Chem** 1984 Nov 25; 259(22):14271-8

An equilibrium between distorted and undistorted DNA in the adult chicken beta A-globin gene. Wang JN, et al. **J Biol Chem** 1985 Jul 5;260(13):8194-202

Configuration of beta-globin messenger RNA in rabbit reticulocytes. Identification of sites exposed to endogenous and exogenous nucleases. Albrecht G, et al. **J Mol Biol** 1984 Oct 5;178(4):881-96

Three-dimensional arrangement of the Escherichia coli 16 S ribosomal RNA. Expert-Bezançon A, et al. **J Mol Biol** 1985 Jul 5;184(1):53-66

DNAase I hypersensitive sites may be correlated with genomic regions of large structural variation. Nussinov R, et al. **J Mol Biol** 1984 Aug 25;177(4):591-607

Statistical mechanics of DNA topoisomers. The helical worm-like chain. Shimada J, et al. **J Mol Biol** 1985 Jul 20;184(2):319-29

Structure of the Escherichia coli 16 S ribosomal RNA. Psoralen crosslinks and N-acetyl-N'-(p-glyoxylylbenzoyl)cystamine crosslinks detected by electron microscopy. Wollenzien PL, et al. **J Mol Biol** 1985 Jul 5;184(1):67-80

Origins of life: conformational energy calculations on primitive tRNA nestling an amino acid. Balasubramanian R, et al. **J Theor Biol** 1985 Mar 7;113(1):15-28

Apparent stereochemical complementarity of estrogens and helical cavities between DNA base pairs: implications for the mechanism of action of steroids. Bransome ED Jr, et al. **J Theor Biol** 1985 Jan 7;112(1):97-108

A model of bacterial DNA segregation based upon helical geometry. Mendelson NH. **J Theor Biol** 1985 Jan 7; 112(1):25-39

Large helical conformational deviations from ideal B-DNA and prokaryotic regulatory sites. Nussinov R. **J Theor Biol** 1985 Jul 21;115(2):179-89

Computer programme statistically predicting folding structure of nucleic acids of any length: and examples of calculation. Yamamoto K, et al. **Jpn J Exp Med** 1984 Dec; 54(6):241-7

Molecular structure of the human argininosuccinate synthetase gene: occurrence of alternative mRNA splicing. Freytag SO, et al. **Mol Cell Biol** 1984 Oct;4(10):1978-84

Characterization of genomic poly(dT-dG).poly(dC-dA) sequences: structure, organization, and conformation. Hamada H, et al. **Mol Cell Biol** 1984 Dec;4(12):2610-21

Upstream region required for regulated expression of the glucose-repressible SUC2 gene of Saccharomyces cerevisiae. Sarokin L, et al. **Mol Cell Biol** 1984 Dec; 4(12):2750-7

High-resolution structure of a DNA helix containing mismatched base pairs. Brown T, et al. **Nature** 1985 Jun 13-19;315(6020):604-6

DNA bending induced by cruciform formation. Gough GW, et al. **Nature** 1985 Jan 10-18;313(5998):154-6

'Z-RNA'--a left-handed RNA double helix. Hall K, et al. **Nature** 1984 Oct 11-17;311(5986):584-6

Base-base mismatches. Thermodynamics of double helix formation for dCA3XA3G + dCT3YT3G (X, Y = A,C,G,T). Aboul-ela F, et al. **Nucleic Acids Res** 1985 Jul 11;13(13):4811-24

Alteration of the DNA double helix conformation upon incorporation of mispairs as revealed by energy computations and pathways of point mutations. Chuprina VP, et al. **Nucleic Acids Res** 1985 Jan 11;13(1):141-54

Primary sequence and partial secondary structure of the 12S kinetoplast (mitochondrial) ribosomal RNA from Leishmania tarentolae: conservation of peptidyl-transferase structural elements. de la Cruz VF, et al. **Nucleic Acids Res** 1985 Apr 11;13(7):2337-56

Influence of uracil defect on DNA structure: 1H NMR investigation at 500 MHz. Delort AM, et al. **Nucleic Acids Res** 1985 May 10;13(9):3343-55

Helix opening in deoxyribonucleic acid from a proton nuclear magnetic resonance study of imino and amino protons in d(CG)3. Fazakerley GV, et al. **Nucleic Acids Res** 1984 Nov 12;12(21):8269-79

Changes of chromatin conformation around mouse interferon-beta gene associated with induction of interferon synthesis. Higashi Y. **Nucleic Acids Res** 1985 Jul 25; 13(14):5157-72

An investigation by 1H NMR spectroscopy into the factors determining the beta:alpha ratio of the product in 2'-deoxynucleoside synthesis. Hubbard AJ, et al. **Nucleic Acids Res** 1984 Sep 11;12(17):6827-37

Concordance of experimentally mapped or predicted Z-DNA sites with positions of selected alternating purine-pyrimidine tracts. Konopka AK, et al. **Nucleic Acids Res** 1985 Mar 11;13(5):1683-701

Conformational characteristics of the hexanucleoside pentaphosphate AUAUAU: a 2D NMR study at 500 MHz. Lankhorst PP, et al. **Nucleic Acids Res** 1985 May 10; 13(9):3317-33

Carbon-13 NMR in conformational analysis of nucleic acid fragments. 4. The torsion angle distribution about the C3'-O3' bond in DNA constituents. Lankhorst PP, et al. **Nucleic Acids Res** 1985 Feb 11;13(3):927-42

The kinetic properties of cruciform extrusion are determined by DNA base-sequence. Lilley DM. **Nucleic Acids Res** 1985 Mar 11;13(5):1443-65

Effect of B-Z transition and nucleic acid structure on the conformational dynamics of bound ethidium dimer measured by hydrogen deuterium exchange kinetics. Markovits J, et al. **Nucleic Acids Res** 1985 May 24; 13(10):3773-88

The divergent region of the Leishmania tarentolae kinetoplast maxicircle DNA contains a diverse set of repetitive sequences. Muhich ML, et al. **Nucleic Acids Res** 1985 May 10;13(9):3241-60

Nearly all single base substitutions in DNA fragments joined to a GC-clamp can be detected by denaturing gradient gel electrophoresis. Myers RM, et al. **Nucleic Acids Res** 1985 May 10;13(9):3131-45

Modification of the melting properties of duplex DNA by attachment of a GC-rich DNA sequence as determined by denaturing gradient gel electrophoresis. Myers RM, et al. **Nucleic Acids Res** 1985 May 10;13(9):3111-29

Studies on the conformation and dynamics of the C8-substituted guanine adduct of the carcinogen acetylaminofluorene; model for a possible Z-DNA modified structure. Neidle S, et al. **Nucleic Acids Res** 1984 Nov 12;12(21):8219-33

A new principle of RNA folding based on pseudoknotting. Pleij CW, et al. **Nucleic Acids Res** 1985 Mar 11; 13(5):1717-31

Evidence for Z-form RNA by vacuum UV circular dichroism. Riazance JH, et al. **Nucleic Acids Res** 1985 Jul 11;13(13):4983-9

The secondary structure of mRNAs from Escherichia coli: its possible role in increasing the accuracy of translation. Shpaer EG. **Nucleic Acids Res** 1985 Jan 11;13(1):275-88

Evidence for sequence-specific conformational changes in DNA from the melting temperatures of DNA phosphorothioate derivatives. Suggs JW, et al. **Nucleic Acids Res** 1985 Aug 12;13(15):5707-16

S1-sensitive sites in the supercoiled double-stranded form of tomato golden mosaic virus DNA component B: identification of regions of potential alternative secondary structure and regulatory function. Sunter G, et al. **Nucleic Acids Res** 1985 Jul 11;13(13):4645-59

Right-handed and left-handed helices of poly(dA-dC) X (dG-dT). Taboury JA, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4469-83

Duplex-hairpin transitions in DNA: NMR studies on CGCGTATACGCG. Wemmer DE, et al. **Nucleic Acids Res** 1985 May 24;13(10):3755-72

HhaI methylase and restriction endonuclease as probes for B to Z DNA conformational changes in d(GCGC) sequences. Zacharias W, et al. **Nucleic Acids Res** 1984 Oct 25;12(20):7677-92

The relation of three-dimensional DNA structure to DNA repair as studied by nucleoid sedimentation. Mattern MR. **Nucleic Acids Symp Ser** 1984;(13):35-50

Various types of 5s rRNA crystals as studied by X-ray diffraction and electron microscopy. Morikawa K, et al. **Nucleic Acids Symp Ser** 1984;(15):143-6

Sequence-dependant polymorphism of DNA duplex in solutions. Nishimura Y, et al. **Nucleic Acids Symp Ser** 1984; (15):147-50

On the thymine-neighbor base short contacts in A-form of DNA. Takeda Y. **Nucleic Acids Symp Ser** 1984;(15):185-8

Structure and organization of the C4 genes. Carroll MC, et al. **Philos Trans R Soc Lond [Biol]** 1984 Sep 6; 306(1129):379-88

Restriction endonucleases can be used to study B-Z junctions in supercoiled DNA. Azorin F, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5714-8

The structure of Marek disease virus DNA: the presence of unique expansion in nonpathogenic viral DNA. Fukuchi K, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):751-4

Secondary structure of the circular form of the Tetrahymena rRNA intervening sequence: a technique for RNA structure analysis using chemical probes and reverse transcriptase. Inoue T, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):648-52

Alternative conformations in Escherichia coli 16S ribosomal RNA. Klein BK, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(11):3539-42

Molecular dynamics simulations of d(C-G-C-G-A) X d(T-C-G-C-G) with and without 'hydrated' counterions. Singh UC, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):755-9

Covalent enzyme-RNA complex: a tRNA modification that prevents a covalent enzyme interaction also prevents aminoacylation. Starzyk R, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):339-42

RNA structure analysis using methidiumpropyl-EDTA.Fe(II): a base-pair-specific RNA structure probe. Vary CP, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):6978-82

Genetic control of chromosome length in yeast. Walmsley RM, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):506-10

Crystal structure of Z-DNA without an alternating purine-pyrimidine sequence. Wang AH, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3611-5

Determination of the stereostructure of the product of Tn3 resolvase by a general method. Wasserman SA, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1079-83

Salt-induced Z-A-Z transition sequence in the mixed ribo-deoxyribo copolymer poly(rG-dC) X poly(rG-dC). Wu HY, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(23):7284-7

Halogenated nucleic acids: base properties and conformation of fluorinated derivatives. Alderfer JL, et al. **Prog Clin Biol Res** 1985;172A:249-61

Conformations of DNA adducts with polycyclic aromatic carcinogens. Broyde S, et al. **Prog Clin Biol Res** 1985; 172A:153-71

Torsional properties of DNA in chromatin. Cantor CR, et al. **Prog Clin Biol Res** 1985;172A:3-18

Structures of DNA containing psoralen crosslink and thymine dimer. Kim SH, et al. **Prog Clin Biol Res** 1985; 172A:143-52

On the origin of sequence dependent structural changes in DNA. Kothekar V, et al. **Prog Clin Biol Res** 1985; 172B:15-23

Studies of the dependence of the internal energy of DNA on its conformation. Lavery R, et al. **Prog Clin Biol Res** 1985;172B:3-13

DNA tertiary structure of disk-shaped toruses: an in vitro viral DNA model system. Marx KA, et al. **Prog Clin Biol Res** 1985;172A:131-40

Flexibility of nucleic acid bases and its possible relationship with carcinogenesis. Mishra PC. **Prog Clin Biol Res** 1985; 172B:45-52

Theoretical studies of perturbed nucleic acid structures. Olson WK, et al. **Prog Clin Biol Res** 1985;172A:109-21

Steric and electronic factors in the reactivity of yeast tRNAPhe. Pullman A. **Prog Clin Biol Res** 1985;172A:71-86

Physical characterization of a nucleic acid junction. Seeman NC, et al. **Prog Clin Biol Res** 1985;172A:99-108

Biological and chemical properties of left handed Z-DNA. Wells RD. **Prog Clin Biol Res** 1985;172A:47-53

Effect of intercellular contact on DNA conformation, radiation-induced DNA damage, and mutation in Chinese hamster V79 cells. Olive PL, et al. **Radiat Res** 1985 Jan; 101(1):94-101

Recognition of the ribosomal RNA structures by purified nucleolar RNA methyltransferase. Obara M, et al. **Sangyo Ika Daigaku Zasshi** 1983 Sep 1;5(3):337-42

Z-DNA forms without an alternating purine-pyrimidine sequence in solution. Feigon J, et al. **Science** 1985 Oct 4; 230(4721):82-4

Transition from B to Z DNA: contribution of internal fluctuations to the configurational entropy difference. Irikura KK, et al. **Science** 1985 Aug 9;229(4713):571-2

[Prediction of secondary structures of nucleic acids: algorithmic and physical aspects] Gouy M, et al. **Biochimie** 1985 May;67(5):523-31 (Eng. Abstr.) **(Fre)**

[DNA conformation and thermostability of aqueous solutions of beta-alanine and gamma-aminobutyric acid] Aslanian VM, et al. **Biofizika** 1984 Jul-Aug;29(4):564-8 (Eng. Abstr.) **(Rus)**

[Theory of the toroidal compact form of DNA in a polymer solution] Grosberg AIu, et al. **Biofizika** 1985 Mar-Apr; 30(2):233-8 (Eng. Abstr.) **(Rus)**

[Effect of the size of the ligand molecule on the stability of the DNA double helix] Lando DIu, et al. **Biofizika** 1984 Sep-Oct;29(5):757-9 (Eng. Abstr.) **(Rus)**

[Binding of small molecules with nucleic acids having tertiary structure] Nechipurenko IuD. **Biofizika** 1985 Mar-Apr; 30(2):231-2 (Eng. Abstr.) **(Rus)**

[Changes in the circular dichroism spectra and melting parameters of complexes of histones with DNA of different GC-composition] Vardevanian PO, et al. **Biofizika** 1985 Mar-Apr;30(2):347-8 (Eng. Abstr.) **(Rus)**

[Structural characteristics and availability of DNA for solvent molecules in nuclei of Physarum polycephalum] Agranovich IM, et al. **Mol Biol (Mosk)** 1985 May-Jun; 19(3):717-21 (Eng. Abstr.) **(Rus)**

[Study of the structural organization of RNA from phage MS2 using fluorescent dyes] Borisova OF, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1617-24 (Eng. Abstr.) **(Rus)**

[Study of the secondary and tertiary structure of phage MS2 RNA using nucleases and fluorescent dyes specific for secondary structure] Borisova OF, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1625-33 (Eng. Abstr.) **(Rus)**

[Study of cooperative transitions in DNA using phase diagrams] Ivanov VI, et al. **Mol Biol (Mosk)** 1985 Mar-Apr;19(2):390-9 (Eng. Abstr.) **(Rus)**

[The Shine-Dalgarno sequence and the effectiveness of translation initiation] Khudiakov IuE. **Mol Biol (Mosk)** 1985 May-Jun;19(3):702-16 (Eng. Abstr.) **(Rus)**

[Various novel properties of transcriptionally active mini-chromosomes of the SV40 virus] Luchnik AN, et al. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):75-86 (Eng. Abstr.) **(Rus)**

[Prediction of the ensembles of RNA secondary structures. Kinetic analysis of self-organization] Mironov AA, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1686-94 (Eng. Abstr.) **(Rus)**

[Characteristic features of heat inactivation of leucyl-tRNA-synthetase from the rabbit liver in the presence of various tRNA conformers] Negrutskiĭ BS, et al. **Mol Biol (Mosk)** 1984 Sep-Oct;18(5):1297-300 (Eng. Abstr.) **(Rus)**

[Classical and non-classical DNA conformations] Neĭfakh IuA, et al. **Mol Biol (Mosk)** 1985 Mar-Apr;19(2):406-11 (Eng. Abstr.) **(Rus)**

[Conformation of dinucleoside phosphates: the conformation encoding hypothesis] Pokrovskaia MIu, et al. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):98-109 (Eng. Abstr.) **(Rus)**

[The effect of structure and conformation on the relative hydrophobicity of dinucleosidephosphates and their analogs] Shchukina LG, et al. **Mol Biol (Mosk)** 1984 Jul-Aug;18(4):1128-33 (Eng. Abstr.) **(Rus)**

[Primary and spatial structure of tRNA] Tukalo MA. **Mol Biol (Mosk)** 1984 Sep-Oct;18(5):1233-48 (98 ref.) (Eng. Abstr.) **(Rus)**

[Anisotropic flexibility of DNA depends on the base sequence. Conformation calculations of double-stranded tetranucleotides AAAA:TTTT, (AATT)2, (TTAA)2, GGGG:CCCC, (GGCC)2, (CCGG)2] Ul'ianov NB, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1664-85 (Eng. Abstr.) **(Rus)**

[Conformation characteristics of biopolymers] Varshavskiĭ IaM. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):230-47 (79 ref.) (Eng. Abstr.) **(Rus)**

[Formation of noncanonical structures in superhelical DNA. Mutual effects of various transitions] Vologodskiĭ AV. **Mol Biol (Mosk)** 1985 May-Jun;19(3):687-92 (Eng. Abstr.) **(Rus)**

[A method of conformation calculations of large nucleic acid fragments. V. Conformation rearrangements of the modified T psi C-loop of phenylalanyl tRNA] Vorob'ev IuN. **Mol Biol (Mosk)** 1984 Jul-Aug;18(4):933-44 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of Mg2+ on solution conformation of two different transfer ribonucleic acids. Thomas JC, et al. **Biochemistry** 1984 Nov 6;23(23):5414-20

Formation of DNA modifications by chemical carcinogens. Identification, localization and quantification. Kriek E, et al. **Biochim Biophys Acta** 1984;738(4):181-201 (129 ref.)

Conformations of alternating purine-pyrimidine DNAs in high-CsF solutions and their reversal by dipyrandium, ethidium and high temperature. Kypr J, et al. **Biochim Biophys Acta** 1985 Feb 15;838(2):244-51

Specific recognition by the tripeptide lysyl-tryptophyl-alpha-lysine of structural damage induced in DNA by platinum derivatives. Le Doan T, et al. **Biochim Biophys Acta** 1985 Aug 21;825(4):353-9

An electro-optical study of the mechanisms of DNA condensation induced by spermine. Marquet R, et al. **Biochim Biophys Acta** 1985 Aug 21;825(4):365-74

Sequence-dependent changes in the chiroptical properties of DNA upon interaction with dipyrandium. Vorlíčková M, et al. **Biochim Biophys Acta** 1985 Feb 15;838(2):236-43

The effect of mitotic inhibitors on DNA strand size and radiation-associated break repair in Down syndrome fibroblasts. Woods WG, et al. **Biochim Biophys Acta** 1985 Mar 20;824(3):177-84

Differential effects on the B-to-Z transition of poly(dG-me5dC).poly(dG-me5dC) produced by N1- and N8-acetyl spermidine. Thomas TJ, et al. **Biopolymers** 1985 Apr;24(4):725-9

Influence of the carcinogen 4-aminobiphenyl on DNA conformation. Broyde S, et al. **Carcinogenesis** 1985 May; 6(5):719-25

Evidence for similar structural changes on binding of platinum anti-tumor agents to DNA and nucleosomes. Marzilli LG, et al. **FEBS Lett** 1984 Oct 29;176(2):389-92

Osmium-induced alteration in DNA structure. Lukášová E, et al. **Gen Physiol Biophys** 1984 Apr;3(2):175-91

The uvsX protein of bacteriophage T4 arranges single-stranded and double-stranded DNA into similar helical nucleoprotein filaments. Griffith J, et al. **J Biol Chem** 1985 Apr 10;260(7):4484-91

Cleavage of stem-and-loop structure DNA by bleomycin. Reaction on the bacteriophage G4 origin of complementary strand synthesis. Ueda K, et al. **J Biol Chem** 1985 May 10;260(9):5804-7

Effect of spermidine on the conformation of bacteriophage MS2 RNA. Electron microscopy and computer modeling. Jacobson AB, et al. **J Mol Biol** 1985 Feb 20;181(4):517-31

Unwinding of supercoiled DNA by cis- and trans-diamminedichloroplatinum(II): influence of the torsional strain on DNA unwinding. Scovell WM, et al. **Nucleic Acids Res** 1985 Apr 25;13(8):2881-95

[Polymorphism of the left-handed helix (Z form) of poly(dG-dC).poly(dG-dC) induced by MgCl2, studied by infrared spectroscopy] Taboury JA, et al. **Magnesium** 1984; 3(3):152-8 (Eng. Abstr.) **(Fre)**

[Changes in the structure of DNA induced by sarcolysine in vivo and in vitro] Babaian IuC, et al. **Vopr Med Khim** 1984 Sep-Oct;30(5):92-5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

UV irradiation of nucleic acids: formation, purification and solution conformational analysis of the '6-4 lesion' of dTpdT. Rycyna RE, et al. **Nucleic Acids Res** 1985 Aug 26;13(16):5949-63

NUCLEIC ACID DENATURATION

Changes in chromatin structure during rat liver regeneration as demonstrated by thermal melting analyses. Letnansky K, et al. **Biochem Int** 1983 Jun;6(6):783-8

Electron microscopy of secondary structure in partially denatured Escherichia coli 16S rRNA and 30S subunits. Klein BK, et al. **Biochemistry** 1984 Aug 14;23(17):3927-33

Dynamic light-scattering studies on thermal motions of native DNAs in solution. Soda K, et al. **Biophys Chem** 1984 Oct;20(3):185-200

Electron microscopy of the melting of sequenced DNA. Kalambet YuA, et al. **Biopolymers** 1985 Feb;24(2):359-77

Detection of 5-bromodeoxyuridine (BrdUrd) incorporation by monoclonal antibodies: role of the DNA denaturation step. Moran R, et al. **J Histochem Cytochem** 1985 Aug; 33(8):821-7

Melting transition of covalently closed DNA with supercoil-induced cruciforms. Majumdar R, et al. **Nucleic Acids Res** 1985 Aug 26;13(16):5883-93

[Thermal denaturation of DNA in concentrated salt-free solutions: comparison of microcalorimetric and spectrophotometric data] Akhrem AA, et al. **Mol Biol (Mosk)** 1985 May-Jun;19(3):623-8 (Eng. Abstr.) **(Rus)**

[Electron microscope maps of SA7 DNA melting] Borovik AS, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1634-8 (Eng. Abstr.) **(Rus)**

[Study of specific interactions of amino acid esters with the synthetic polynucleotides poly(A) x 2 poly(U), poly(A) x poly(U) and poly(A) by thermal denaturation] Gul'tiaev AP, et al. **Mol Biol (Mosk)** 1985 May-Jun;19(3):784-90 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Denaturation and condensation of DNA in situ induced by acridine orange in relation to chromatin changes during growth and differentiation of Friend erythroleukemia cells. Darzynkiewicz Z, et al. **Cytometry** 1985 May;6(3):195-207

NUCLEIC ACID HETERODUPLEXES

Heteroduplex mapping in the molecular analysis of the human T-cell leukemia (lymphotropic) viruses. Gonda MA, et al. **Cancer Res** 1985 Sep;45(9 Suppl):4553s-4558s

An Escherichia coli cell-free system that catalyzes the repair of symmetrically methylated heteroduplex DNA. Fishel RA, et al. **Cold Spring Harbor Symp Quant Biol** 1984; 49:603-9

Separation of complementary strands of plasmid DNA using the biotin-avidin system and its application to heteroduplex formation and RNA/DNA hybridizations in electron microscopy. Delius H, et al. **Nucleic Acids Res** 1985 Aug 12;13(15):5457-69

Processing of complex heteroduplexes in Escherichia coli and Cos-1 monkey cells. Abastado JP, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5792-6

ANALYSIS

[Modular structure of the genes of phages-transposons of Pseudomonas aeruginosa] Krylov VN, et al. **Genetika** 1985 May;21(5):724-34 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Origins of gene conversion and reciprocal exchange in Ascobolus. Rossignol JL, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:13-21

CHEMICAL SYNTHESIS

[A new type of DNA modification. Specific introduction of 3'-5'-pyrophosphate internucleotide bonds] Purmal' AA, et al. **Bioorg Khim** 1984 Mar;10(3):394-400 (Eng. Abstr.) **(Rus)**

GENETICS

Localized conversion in Streptococcus pneumoniae recombination: heteroduplex preference. Sicard M, et al. **Genetics** 1985 Aug;110(4):557-68

An electron microscopic heteroduplex study of the sequence relations between the bacteriophages LP52 and theta. Storchová H, et al. **MGG** 1985;199(3):476-80

METABOLISM

Networks of DNA and RecA protein are intermediates in homologous pairing. Tsang SS, et al. **Biochemistry** 1985 Jun 18;24(13):3226-32

Formation of covalently closed heteroduplex DNA by the combined action of gyrase and RecA protein. Cassuto E. **EMBO J** 1984 Sep;3(9):2159-64

NUCLEIC ACID HYBRIDIZATION

Fluorescence microscopical hybridocytochemistry. Bauman JG. **Acta Histochem [Suppl] (Jena)** 1985;31:9-18

Chromosomal localization of several families of repetitive sequences by in situ hybridization. Devine EA, et al. **Am J Hum Genet** 1985 Jan;37(1):114-23

Discrimination among the human beta A, beta S, and beta C-globin genes using allele-specific oligonucleotide hybridization probes. Studencki AB, et al. **Am J Hum Genet** 1985 Jan;37(1):42-51

Identification of pathogenic Leishmania promastigotes by DNA: DNA hybridization with kinetoplast DNA cloned into E. coli plasmids. Lawrie JM, et al. **Am J Trop Med Hyg** 1985 Mar;34(2):257-65

Detection of Plasmodium falciparum in blood using DNA hybridization. Pollack Y, et al. **Am J Trop Med Hyg** 1985 Jul;34(4):663-7

DNA hybridization procedure to detect pseudorabies virus DNA in swine tissue. McFarlane RG, et al. **Am J Vet Res** 1985 May;46(5):1133-6

Evaluation of field isolates of pseudorabies (Aujeszky's disease) virus as determined by restriction endonuclease analysis and hybridization. Pirtle EC, et al. **Am J Vet Res** 1984 Oct;45(10):1906-12

A method of isolating nick-translated DNA by subsequent separation on low-melting-temperature agarose. Libby LS, et al. **Anal Biochem** 1985 Apr;146(1):23-7

Detection by hybridization of viral infection of the human central nervous system. Haase AT, et al. **Ann NY Acad Sci** 1984;436:103-8 (19 ref.)

Comparison of three DNA hybridization methods for detection of the aminoglycoside 2'-O-adenylyltransferase gene in clinical bacterial isolates. Gootz TD, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):69-73

Application of DNA-DNA colony hybridization to the detection of catabolic genotypes in environmental samples. Sayler GS, et al. **Appl Environ Microbiol** 1985 May; 49(5):1295-303

Detection of genomic differences between the avian reovirus isolate S1133 and its high-passage derivative P100. Huang DD, et al. **Avian Dis** 1984 Jul-Sep;28(3):799-803

Identification of the G-genome donor to Triticum timopheevii by DNA:DNA hybridizations. Nath J, et al. **Biochem Genet** 1985 Feb;23(1-2):125-37

In situ hybridization: a routine method for parallel localization of DNA sequences and of their transcripts in consecutive paraffin sections with the use of 3H-labelled nick translated cloned DNA probes. Guelin M, et al. **Biol Cell** 1985;53(1):1-12

Site-specific cleavage of tobacco mosaic virus RNA: a study of factors influencing the cleavage. Saleem M, et al. **Can J Biochem Cell Biol** 1985 May;63(5):382-6

Gene mapping by chromosome spot hybridization. Collard JG, et al. **Cytometry** 1985 May;6(3):179-85

Laboratory diagnosis of hepatitis B virus infection by nucleic acid hybridization analyses and immunohistologic detection of gene products. Blum HE, et al. **Dev Biol Stand** 1985; 59:125-39

A computer method for scanning and analysis of dot blots. Williams RL, et al. **DNA** 1985 Jun;4(3):255-62

Support of the single species concept for Streptococcus milleri by DNA hybridization data [letter] Yajko DM, et al. **Eur J Clin Microbiol** 1985 Jun;4(3):355-6

One-step purification of hybrid proteins which have beta-galactosidase activity. Ullmann A. **Gene** 1984 Jul-Aug;29(1-2):27-31

Determination of HBV DNA by a simplified method of spot hybridization. Gmelin K, et al. **Hepatogastroenterology** 1985 Jun;32(3):117-20

Anti-DNA.RNA sera. Specificity tests and application in quantitative in situ hybridization. Raap AK, et al. **Histochemistry** 1984;81(6):517-20

Localization of the thyroglobulin gene by in situ hybridization to human chromosomes. Bergé-Lefranc JL, et al. **Hum Genet** 1985;69(1):28-31

DNA hybridization in diagnostic pathology. Sklar J. **Hum Pathol** 1985 Jul;16(7):654-8

New developments in nucleic acid hybridization. Wolf H, et al. **IARC Sci Publ** 1984;(63):373-91 (42 ref.)

Detection of the thermostable direct hemolysin gene and related DNA sequences in Vibrio parahaemolyticus and other vibrio species by the DNA colony hybridization test. Nishibuchi M, et al. **Infect Immun** 1985 Sep;49(3):481-6

Construction of hybrid genes of 6-aminohexanoic acid-oligomer hydrolase and its analogous enzyme. Estimation of the intramolecular regions important for the enzyme evolution. Negoro S, et al. **J Biol Chem** 1984 Nov 25;259(22):13648-51

An alternative approach to deoxyoligonucleotides as hybridization probes by insertion of deoxyinosine at ambiguous codon positions. Ohtsuka E, et al. **J Biol Chem** 1985 Mar 10;260(5):2605-8

In situ hybridization of putative somatostatin mRNA within hypothalamus of the rat using synthetic oligonucleotide probes. Arentzen R, et al. **J Cell Biochem** 1985;27(4):415-22

Detection of Epstein-Barr virus DNA in mouthwashes by hybridization. Ambinder RF, et al. **J Clin Microbiol** 1985 Mar;21(3):353-6

DNA hybridization technique to detect Shigella species and enteroinvasive escherichia coli. Boileau CR, et al. **J Clin Microbiol** 1984 Nov;20(5):959-61

Bacterial chromosomal restriction endonuclease analysis of the homology of Bacteroides species. Bradbury WC, et al. **J Clin Microbiol** 1985 Jan;21(1):24-8

Use of subgenomic poliovirus DNA hybridization probes to detect the major subgroups of enteroviruses. Rotbart HA, et al. **J Clin Microbiol** 1984 Dec;20(6):1105-8

DNA relatedness and biochemical features of Campylobacter spp. isolated in central and South Australia. Steele TW, et al. **J Clin Microbiol** 1985 Jul;22(1):71-4

Comparison of genomic homologies in the coxsackievirus B group by use of cDNA:RNA dot-blot hybridization. Tracy S. **J Clin Microbiol** 1985 Mar;21(3):371-4

Cytomegalovirus in urine: detection of viral DNA by sandwich hybridization. Virtanen M, et al. **J Clin Microbiol** 1984 Dec;20(6):1083-8

Detection of Chlamydia trachomatis in clinical specimens by nucleic acid spot hybridization. Hyypiä T, et al. **J Gen Microbiol** 1985 Apr;131 (Pt 4):975-8

Nucleic acid studies on halophilic archaebacteria. Ross HN, et al. **J Gen Microbiol** 1985 Jan;131 (Pt 1):165-73

A genetic probe for identifying bluetongue virus infections in vivo and in vitro. Roy P, et al. **J Gen Virol** 1985 Jul; 66 (Pt 7):1613-9

Evaluation of a DNA-hybridization method for detection of African and Asian strains of Neisseria gonorrhoeae in men with urethritis. Perine PL, et al. **J Infect Dis** 1985 Jul;152(1):59-63

Comparison of gram stain, DNA probe, and culture for the identification of species of Mobiluncus in female genital specimens. Roberts MC, et al. **J Infect Dis** 1985 Jul; 152(1):74-7

Development of a DNA probe for the structural gene of the 2'-O-adenyltransferase aminoglycoside-modifying enzyme. Tenover FC, et al. **J Infect Dis** 1984 Nov; 150(5):678-87

Detection of HBV-DNA by in situ hybridization using a biotin-labeled probe. Negro F, et al. **J Med Virol** 1985 Apr;15(4):373-82

Detection of adenoviruses in stool specimens by nucleic acid spot hybridization. Stålhandske P, et al. **J Med Virol** 1985 Jul;16(3):213-8

Detection of enteric adenoviruses by dot-blot hybridization using a molecularly cloned viral DNA probe. Takiff HE, et al. **J Med Virol** 1985 Jun;16(2):107-18

Temporal expression of mouse glial fibrillary acidic protein mRNA studied by a rapid in situ hybridization procedure. Lewis SA, et al. **J Neurochem** 1985 Sep;45(3):913-9

Diagnosis of rotavirus infection with cloned cDNA copies of viral genome segments. Lin M, et al. **J Virol** 1985 Aug; 55(2):509-12

Detection of avocado sunblotch viroid by hybridization with synthetic oligonucleotide probes. Bar-Joseph M, et al. **J Virol Methods** 1985 Jan;10(1):69-73

Assessment of sequence relatedness of double-stranded RNA genes by RNA-RNA blot hybridization. Bodkin DK, et al. **J Virol Methods** 1985 Jan;10(1):45-52

A double labeling technique for performing immunocytochemistry and in situ hybridization in virus infected cell cultures and tissues. Gendelman HE, et al. **J Virol Methods** 1985 Jun;11(2):93-103

Detection of cytomegalovirus by DNA-DNA hybridization employing probes labelled with 32-phosphorus or biotin. McKeating JA, et al. **J Virol Methods** 1985 Jul;11(3):207-16

Efficiency of in situ hybridization as a function of probe size and fixation technique. Moench TR, et al. **J Virol Methods** 1985 Jun;11(2):119-30

Detecting bluetongue virus RNA in cell culture by dot hybridization with a cloned genetic probe. Squire KR, et al. **J Virol Methods** 1985 Jan;10(1):59-68

DNA hybridisation of cervical smears [letter] McCance DJ, et al. **Lancet** 1985 Mar 2;1(8427):514

Screening for wart virus infection in normal and abnormal cervices by DNA hybridisation of cervical scrapes. Wickenden C, et al. **Lancet** 1985 Jan 12;1(8420):65-7

Organization of the ribosomal RNA genes in Schistosoma mansoni. van Keulen H, et al. **Mol Biochem Parasitol** 1985 May;15(2):215-30

Improved timing of hominoid evolution with a DNA clock [news] Andrews P. **Nature** 1985 Apr 11-17;314(6011):498-9

Chromosomal localization of a unique gene by non-autoradiographic in situ hybridization. Landegent JE, et al. **Nature** 1985 Sep 12-18;317(6033):175-7

Analysis of persistent virus infections by in situ hybridization to whole-mouse sections. Southern PJ, et al. **Nature** 1984 Dec 6-12;312(5994):555-8

Detection of the messenger RNAs coding for the opioid peptide precursors in pituitary and adrenal by 'in situ' hybridization: study in several mammal species. Bloch B, et al. **Neurosci Lett** 1985 Jan 21;53(2):141-8

Biotin-labeled synthetic oligodeoxyribonucleotides: chemical synthesis and uses as hybridization probes. Chollet A, et al. **Nucleic Acids Res** 1985 Mar 11;13(5):1529-41

Non-radioactive hybridization probes prepared by the chemical labelling of DNA and RNA with a novel reagent, photobiotin. Forster AC, et al. **Nucleic Acids Res** 1985 Feb 11;13(3):745-61

Quantitative hybridization-arrest of mRNA in Xenopus oocytes using single-stranded complementary DNA or oligonucleotide probes. Kawasaki ES. **Nucleic Acids Res** 1985 Jul 11;13(13):4991-5004

Quantitative analysis of in situ hybridization methods for the detection of actin gene expression. Lawrence JB, et al. **Nucleic Acids Res** 1985 Mar 11;13(5):1777-99

Removal of repeated sequences from hybridisation probes. Sealey PG, et al. **Nucleic Acids Res** 1985 Mar 25; 13(6):1905-22

A complex of single-strand binding protein and M13 DNA as hybridization probe. Syvänen AC, et al. **Nucleic Acids Res** 1985 Apr 25;13(8):2789-802

Identification of human papillomavirus in cervical swabs by deoxyribonucleic acid in situ hybridization. Wagner D, et al. **Obstet Gynecol** 1984 Dec;64(6):767-72

An improvement on labelled messenger RNA preparation for DNA-RNA hybridisation. Shaw PC, et al. **Prep Biochem** 1984 Aug;14(3):197-203

Base composition-independent hybridization in tetramethylammonium chloride: a method for oligonucleotide screening of highly complex gene libraries. Wood WI, et al. **Proc Natl Acad Sci USA** 1985 Mar; 82(6):1585-8

The genomic sequencing technique. Church GM, et al. **Prog Clin Biol Res** 1985;177:17-21

Detection of tumor-inducing plasmid DNA sequence in Agrobacterium tumefaciens by DNA-DNA hybridization. Furukawa K, et al. **Radioisotopes** 1984 Aug;33(8):543-6

Genetic relationships of short and long anaerobic curved rods isolated from the vagina. Christiansen G, et al. **Scand J Urol Nephrol [Suppl]** 1984;86:75-8

Detection of two viral genomes in single cells by double-label hybridization in situ and color microradioautography. Haase AT, et al. **Science** 1985 Jan 11;227(4683):189-92

A new approach to gene mapping by in situ hybridization on isolated chromosomes. Wiener F, et al. **Somatic Cell Mol Genet** 1985 Sep;11(5):493-8

[Application of direct spot hybridization to hepatitis B virus DNA in the serum of patients with liver diseases] Jiang WL. **Chung Hua Nei Ko Tsa Chih** 1984 Apr;23(4):231-2 (Eng. Abstr.) **(Chi)**

[Nucleic acid hybridization—an adjunct to microbiological diagnosis] Ranki M. **Duodecim** 1985;101(13):1260-5 **(Fin)**

[Characterization of enterotoxigenic Escherichia coli of bovine origin by DNA-DNA colony hybridization] Mainil J, et al. **Ann Rech Vet** 1984;15(1):139-44 (Eng. Abstr.) **(Fre)**

[Patient with progressive multifocal leukoencephalopathy by in situ hybridization: comparison of in situ hybridization using isotopic and biotinylated probes] Nakamura S, et al. **No To Shinkei** 1985 Apr;37(4):359-64 (Eng. Abstr.) **(Jpn)**

[HBV-DNA integration: a technic of laboratory diagnosis] Shiraishi H. **Rinsho Byori** 1984 Nov;32(11):1173-6 **(Jpn)**

[Hybridization of low molecular weight nuclear RNA with pre-mRNA from erythroid bone marrow cells and rabbit mRNA] Kavsan VM, et al. **Biokhimiia** 1985 Apr; 50(4):613-9 (Eng. Abstr.) **(Rus)**

[Spectrophotometric method of assessing molecular DNA-DNA hybridization applicable to bacteria of the genus Pseudomonas] Levanova GF, et al. **Biol Nauki** 1984; (8):23-6 (Eng. Abstr.) **(Rus)**

[Mapping of the ceruloplasmin gene on human and laboratory mouse chromosomes by direct in situ hybridization] Baranov VS, et al. **Genetika (Moskva)** 1985 Mar; 21(3):409-19 (Eng. Abstr.) **(Rus)**

[Mapping of the transferrin gene in laboratory rats, mice and man by direct in situ hybridization] Baranov VS, et al. **Genetika (Moskva)** 1984 Oct;20(10):1584-93 (Eng. Abstr.) **(Rus)**

[Use of specific DNA probes for mapping the ceruloplasmin gene on rat chromosomes by direct in situ hybridization] Baranov VS, et al. **Genetika (Moskva)** 1985 Jan;21(1):23-30 (Eng. Abstr.) **(Rus)**

[Hybridization of low molecular weight nuclear RNA with nuclear RNA and DNA restriction fragments] Evtushenko VI, et al. **Mol Biol (Mosk)** 1984 Sep-Oct;18(5):1424-31 (Eng. Abstr.) **(Rus)**

[Introduction of DNA sequences of Rous sarcoma virus into Drosophila and mouse genomes by microinjections into ova] Gazarian KG, et al. **Mol Biol (Mosk)** 1985 May-Jun; 19(3):760-6 (Eng. Abstr.) **(Rus)**

[Detection of intermediates of RNA reverse transcription for mobile dispersed MDG 1 and MDG 3 genes in Drosophila cells] Il'in IuV, et al. **Mol Biol (Mosk)** 1985 Jan-Feb; 19(1):162-72 (Eng. Abstr.) **(Rus)**

[Demonstration of hepatitis B viral DNA in human sera by point hybridization] Granovskiĭ NN, et al. **Vopr Virusol** 1984 Nov-Dec;29(6):751-3 **(Rus)**

NUCLEIC ACID PRECURSORS

Electron microscopy of secondary structure in partially denatured precursor and mature Escherichia coli 16 S and 23 S rRNA. Klein BK, et al. **J Biol Chem** 1985 Jul 5; 260(13):8114-20

Molecular mechanism of catalysis by RNA. Haydock K, et al. **Prog Clin Biol Res** 1985;172A:87-98

ANALYSIS

Detection of beta-globin mRNA precursor in heterogeneous nuclear ribonucleoprotein associated with U1-RNP by using anti-RNP antibody. Wagatsuma M, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1727-35

Purification and characterization of an endonuclease from Xenopus laevis ovaries which accurately processes the 3' terminus of human pre-tRNA-Met(i) (3' pre-tRNase). Castaño JG, et al. **J Biol Chem** 1985 Jul 25;260(15):9002-8

Introns excised from immunoglobulin pre-mRNAs exist as discrete species. Coleclough C, et al. **Mol Cell Biol** 1984 Oct;4(10):2017-22

RNA sequence containing hexanucleotide AAUAAA directs efficient mRNA polyadenylation in vitro. Manley JL, et al. **Mol Cell Biol** 1985 Feb;5(2):373-9

Characterization of the branch site in lariat RNAs produced by splicing of mRNA precursors. Konarska MM, et al. **Nature** 1985 Feb 14-20;313(6003):552-7

Intron splicing: a conserved internal signal in introns of Drosophila pre-mRNAs. Keller EB, et al. **Nucleic Acids Res** 1985 Jul 11;13(13):4971-81

[Hybridization of low molecular weight nuclear RNA with pre-mRNA from erythroid bone marrow cells and rabbit mRNA] Kavsan VM, et al. **Biokhimiia** 1985 Apr; 50(4):613-9 (Eng. Abstr.) **(Rus)**

GENETICS

Lariat structures are in vivo intermediates in yeast pre-mRNA splicing. Domdey H, et al. **Cell** 1984 Dec;39(3 Pt 2):611-21

The RNA lariat: a new ring to the splicing of mRNA precursors. Keller W. **Cell** 1984 Dec;39(3 Pt 2):423-5

Recognition of cap structure in splicing in vitro of mRNA precursors. Konarska MM, et al. **Cell** 1984 Oct;38(3):731-6

Intron sequences involved in lariat formation during pre-mRNA splicing. Reed R, et al. **Cell** 1985 May; 41(1):95-105

Splicing of large ribosomal precursor RNA and processing of intron RNA in yeast mitochondria. Tabak HF, et al.

Cell 1984 Dec;39(3 Pt 2):623-9

Self-splicing of yeast mitochondrial ribosomal and messenger RNA precursors. van der Horst G, et al. **Cell** 1985 Apr; 40(4):759-66

In vivo splicing products of the rabbit beta-globin pre-mRNA. Zeitlin S, et al. **Cell** 1984 Dec;39(3 Pt 2):589-602

The cDNA sequences of the sea urchin U7 small nuclear RNA suggest specific contacts between histone mRNA precursor and U7 RNA during RNA processing. Strub K, et al. **EMBO J** 1984 Dec 1;3(12):2801-7

Splice-site signals of mRNA precursors as revealed by computer search. Site-specific mutagenesis and thalassemia. Iida Y. **J Biochem (Tokyo)** 1985 Apr;97(4):1173-9

Nucleolytic processing of a tRNAArg-tRNAAsp dimeric precursor by a homologous component from Saccharomyces cerevisiae. Engelke DR, et al. **J Biol Chem** 1985 Jan 25;260(2):1271-9

Processing of precursor tRNAs in Drosophila. Processing of the 3' end involves an endonucleolytic cleavage and occurs after 5' end maturation. Frendewey D, et al. **J Biol Chem** 1985 Jan 10;260(1):449-54

Structure of a precursor to the yeast mitochondrial tRNAMetf. Implications for the function of the tRNA synthesis locus. Martin NC, et al. **J Biol Chem** 1985 Feb 10;260(3):1479-83

A site in a tRNA precursor that can be processed by the whole RNase P enzyme but not by the RNA alone. Subbarao MN, et al. **J Biol Chem** 1984 Dec 10; 259(23):14339-42

A model for the excision of introns 1 and 2 from adenoviral major late pre-messenger RNAs. Mariman EC, et al. **J Mol Biol** 1984 Sep 5;178(1):47-62

Processing of the large rRNA precursor: two proposed categories of RNA-RNA interactions in eukaryotes. Tague BW, et al. **J Mol Evol** 1984;20(3-4):362-7

Size and position of intervening sequences are critical for the splicing efficiency of pre-mRNA in the yeast Saccharomyces cerevisiae. Klinz FJ, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):3791-804

Secondary structure of splice sites in adenovirus mRNA precursors. Munroe SH. **Nucleic Acids Res** 1984 Nov 26; 12(22):8437-56

Intron splicing: a conserved internal signal in introns of animal pre-mRNAs. Keller EB, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7417-20

mRNA precursor splicing in vivo: sequence requirements determined by deletion analysis of an intervening sequence. van Santen VL, et al. **Proc Natl Acad Sci USA** 1985 May; 82(9):2885-9

The 'spliceosome': yeast pre-messenger RNA associates with a 40S complex in a splicing-dependent reaction. Brody E, et al. **Science** 1985 May 24;228(4702):963-7

More progress in messenger RNA splicing [news] Lewin R. **Science** 1985 May 24;228(4702):977

ISOLATION & PURIFICATION

The ribonuclease-III-processing site near the 5' end of an RNA precursor of bacteriophage T4 and its effect on termination. Gurevitz M, et al. **Eur J Biochem** 1985 Mar 15;147(3):581-6

Partial purification and properties of a pre-mRNA splicing activity. DiMaria PR, et al. **J Biol Chem** 1985 Jan 25; 260(2):1096-102

METABOLISM

Enzymatic channeling of DNA precursors. Mathews CK. **Basic Life Sci** 1985;31:47-66 (60 ref.)

A possible secondary role for thymine-containing DNA precursors. Melamede RJ, et al. **Basic Life Sci** 1985; 31:67-102

Mutagenesis by incorporation of alkylated nucleotides. Topal MD. **Basic Life Sci** 1985;31:339-51 (27 ref.)

Stepwise assembly of a pre-mRNA splicing complex requires U-snRNPs and specific intron sequences. Frendewey D, et al. **Cell** 1985 Aug;42(1):355-67

A multicomponent complex is involved in the splicing of messenger RNA precursors. Grabowski PJ, et al. **Cell** 1985 Aug;42(1):345-53

Trans splicing of mRNA precursors in vitro. Konarska MM, et al. **Cell** 1985 Aug;42(1):165-71

Accurate cleavage and polyadenylation of exogenous RNA substrate. Moore CL, et al. **Cell** 1985 Jul;41(3):845-55

Molecular consequences of specific intron mutations on yeast mRNA splicing in vivo and in vitro. Newman AJ, et al. **Cell** 1985 Aug;42(1):335-44

mRNA splicing efficiency in yeast and the contribution of nonconserved sequences. Pikielny CW, et al. **Cell** 1985 May;41(1):119-26

Cryptic branch point activation allows accurate in vitro splicing of human beta-globin intron mutants. Ruskin B, et al. **Cell** 1985 Jul;41(3):833-44

Trans splicing of mRNA precursors. Solnick D. **Cell** 1985 Aug;42(1):157-64

Reversibility of cyclization of the Tetrahymena rRNA intervening sequence: implication for the mechanism of splice site choice. Sullivan FX, et al. **Cell** 1985 Sep; 42(2):639-48

Processing of tRNA in prokaryotes and eukaryotes. Deutscher MP. **CRC Crit Rev Biochem** 1984;17(1):45-71 (171 ref.)

Nuclei of adenovirus 2-infected cells contain an RNA species that corresponds to an intron excised intact from mRNA precursors. Rosenthal F., et al. **Mol Cell Biol** 1985 May; 5(5):1084-92

Controlling roles for snurps [news] Turner P. **Nature** 1985 Jul 11-17;316(6024):105-6

Stable tRNA precursors in HeLa cells. Harada F, et al. **Nucleic Acids Res** 1984 Dec 21;12(24):9263-9

Accumulation of 10-kilobase DNA replication intermediates in cells treated with 3-aminobenzamide. Lönn U, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):104-8

Making mRNA from a pair of precursors [news] Lewin R. **Science** 1985 Oct 4;230(4721):55

THERAPEUTIC USE

[Effectiveness of the combined use of antioxidants and nucleic acid precursors in experimental myocardial infarct] Engibarian AA. **Patol Fiziol Eksp Ter** 1985 May-Jun; (3):18-22 (Eng. Abstr.) **(Rus)**

NUCLEIC ACID RENATURATION

Propidium iodide and S1 nuclease: tools for studying DNA reassociation kinetics. Davies W, et al. **Anal Biochem** 1985 May 1;146(2):423-8

Studies on transcription of 3'-extended DNA templates by mammalian RNA polymerase II. Partial purification and characterization of a factor from HeLa cells that facilitates renaturation of the DNA template. Kane CM, et al. **Biochemistry** 1985 Apr 23;24(9):2254-62

On the mechanism of renaturation of complementary DNA strands by the recA protein of Escherichia coli. Bryant FR, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):297-301

NUCLEIC ACIDS

Psoralens as photoactive probes of nucleic acid structure and function: organic chemistry, photochemistry, and biochemistry. Cimino GD, et al. **Annu Rev Biochem** 1985; 54:1151-93 (195 ref.)

Nomenclature Committee of the International Union of Biochemistry (NC-IUB). Nomenclature for incompletely specified bases in nucleic acid sequences. Recommendations 1984. **Biochem J** 1985 Jul 15;229(2):281-6

Base-pairing properties of O-methylated bases of nucleic acids. Energetic and steric considerations. Pohorille A, et al. **Biophys Chem** 1985 Jun;22(1-2):37-51 (63 ref.)

Structural and sequence-dependent aspects of drug intercalation into nucleic acids. Neidle S, et al. **CRC Crit Rev Biochem** 1984;17(1):73-121 (189 ref.)

Nomenclature Committee of the International Union of Biochemistry (NC-IUB). Nomenclature for incompletely specified bases in nucleic acid sequences. Recommendations 1984. **Eur J Biochem** 1985 Jul 1;150(1):1-5

Abstracts of papers presented at the meeting of the group 'Nucleotides and Nucleic Acids' of the Italian Biochemical Society. June 8, 1984. **Ital J Biochem** 1985 Mar-Apr; 34(2):111A-49A

Improving sequence-matching algorithms by working from both ends. Spouge JL. **J Mol Biol** 1985 Jan 5;181(1):137-8

Symposium on the chemistry of heterocyclic compounds (VIIIth) and of nucleic acid components (VIth). Prague, Czechoslovakia, September 2nd-8th, 1984. Abstracts. **Nucleic Acids Symp Ser** 1984;(14):1-331

Twelfth Symposium on Nucleic Acids Chemistry. Kanazawa, Japan, October 30th-November 1st, 1984. **Nucleic Acids Symp Ser** 1984;(15):1-201

A quantum chemical approach to the study of interaction between protein and nucleic acid fragments. Kumar NV, et al. **Prog Clin Biol Res** 1985;172B:91-104

[Simulation of interactions in the co-planar nucleic acid base pairs using atom-atom potential functions] Poltev VI, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1549-61 (Eng. Abstr.) **(Rus)**

ANALYSIS

Electrophoresis of proteins and nucleic acids on acrylamide-agarose gels lacking covalent crosslinking. Horowitz PM, et al. **Anal Biochem** 1984 Dec;143(2):333-40

Characterization of nucleic acids by bichromatic paper disk spectrophotometry. Hörer OL. **Virologie** 1984 Oct-Dec; 35(4):295-305

[Effect of 'si jun zi tang' on nucleic acid contents of the thymus gland and T lymphocytes in the peripheral circulation] Li QL. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Jun;4(6):366-7 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

The influence of 1-(N-L-tryptophan)-1-deoxy-D-fructose [Fru-Trp] and its N-nitrosated analogue [NO-Fru-Trp] on the viability and intracellular synthetic activity (DNA, RNA, and protein synthesis) of HeLa S3-carcinoma cells. Gruenwedel DW, et al. **Adv Exp Med Biol** 1984;177:269-85

Cell proliferation and nucleic acid synthesis in cells treated with rifampin. Adhvaryu SG, et al. **Indian J Exp Biol** 1984 Jul;22(7):350-2

GENETICS

[Hypotheses on the establishment of a genetic code and transfer of information from proteinoids to nucleic acids] Berger G. **C R Acad Sci [III]** 1984;299(9):333-8 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immune response to nucleic acid antigens and native DNA by human peripheral blood lymphocytes in vitro. Bastian D, et al. **J Immunol** 1985 Sep;135(3):1772-7

Detection of nuclear antigens recognized by human autoantibodies. van Venrooij WJ, et al. **Scand J Rheumatol [Suppl]** 1985;56:32-41

METABOLISM

Computer graphics in the study of drug-nucleic acid interactions. Neidle S. **Biochem Soc Trans** 1984 Dec; 12(6):1008-11

The metabolism and cellular interactions of some aliphatic nitrogenous carcinogens. Lijinsky W. **Cancer Lett** 1985 Feb;26(1):33-42

Scanning cytophotometric analysis of myocardial nucleic acid and chromatin changes in soman toxicated rabbits. Martin LJ, et al. **Cell Biochem Funct** 1984 Oct;2(4):237-42

Affinity of protein HU for different nucleic acids. Holck A, et al. **FEBS Lett** 1985 Jun 3;185(1):121-4

Hypothesis. Glucose as a mediator of aging. Cerami A. **J Am Geriatr Soc** 1985 Sep;33(9):626-34 (52 ref.)

Distribution of plasmid-borne resistance to nucleic acid binding compounds in methicillin-resistant Staphylococcus aureus. Townsend DE, et al. **J Antimicrob Chemother** 1985 Apr;15(4):417-34

Effects of chronic exposure to aflatoxin B1 and aflatoxin M1 on the in vivo covalent binding of aflatoxin B1 to hepatic macromolecules. Loury DN, et al. **J Toxicol Environ Health** 1984;13(4-6):575-87

Characterization of nucleic acids in membrane vesicles from scrapie-infected hamster brain. Dees C, et al. **J Virol** 1985 Jul;55(1):126-32

Changes in the nucleic acid and protein content of the Japanese quail during postnatal development. Lamošová D. **Physiol Bohemoslov** 1984;33(5):417-26

[A problem on the uric acid value of rats for clinical evaluation] Emori T, et al. **Jikken Dobutsu** 1984 Jul; 33(3):357-60 (Eng. Abstr.) **(Jpn)**

[Interaction of the pentosephosphate cycle and nucleic acid metabolism during the healing of experimental fractures] Vlasov BIa. **Vopr Med Khim** 1984 Jul-Aug;30(4):46-7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Cross-linking between nucleic acids and proteins: application to DNA polymerase alpha] Masaki S, et al. **Seikagaku** 1985 Jan;57(1):55-7 **(Jpn)**

THERAPEUTIC USE

[Experimental substantiation of immunomodulating therapy with sodium nucleinate in tuberculosis] Cernuşenko EF, et al. **Rev Ig [Pneumoftiziol]** 1984 Apr-Jun;33(2):143-50 (Eng. Abstr.) **(Rum)**

[Use of sodium nucleinate and its combinations with bacterial polysaccharides for preventing the nephrotoxic action of aminoglycoside antibiotics] Salakaia RG, et al. **Antibiotiki** 1984 Jul;29(7):507-9 (Eng. Abstr.) **(Rus)**

[Cardiomyocytes of the left ventricle of the heart in experimental infarct and pharmacostimulation (histochemical study)] Engibarian AA, et al. **Arkh Anat Gistol Embriol** 1985 Jan;88(1):62-4 (Eng. Abstr.) **(Rus)**

[Antitumor activity of Ca-double-stranded RNA from sodium nucleinate] Zakharian RA, et al. **Eksp Onkol** 1985; 7(3):54-6 (Eng. Abstr.) **(Rus)**

[Effectiveness of the combined use of antioxidants and nucleic acid precursors in experimental myocardial infarct] Engibarian AA. **Patol Fiziol Eksp Ter** 1985 May-Jun; (3):18-22 (Eng. Abstr.) **(Rus)**

[Effect of levamisole and sodium nucleinate on immunologic indicators in patients with liver cirrhosis] Lukash NV, et al. **Vrach Delo** 1985 Jan;(1):28-30 **(Rus)**

[Correction of secondary immunologic deficiency by using yeast RNA] Zemskov AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Sep;(9):77-82 (Eng. Abstr.) **(Rus)**

NUCLEIC ACIDS REPETITIVE SEQUENCES see **REPETITIVE SEQUENCES, NUCLEIC ACID**

NUCLEOLAR ORGANIZER see **NUCLEOLUS ORGANIZER REGION**

NUCLEOLUS ORGANIZER REGION

Nucleolus organizing genes on chromosome 21: recombination and nondisjunction. Schmickel RD, et al. **Ann NY Acad Sci** 1985;450:121-31

Equivalence of nucleolar organizer activity among primate species. Quirk S, et al. **Cytogenet Cell Genet** 1985; 39(2):134-5

Polymorphism of Ag-stained nucleolus organizer regions in lymphocytes of patients with ovarian or breast adenocarcinoma. Kivi S, et al. **Hum Genet** 1985;69(4):350-2

Intercellular NOR-Ag-variability in man. II. Search for determining factors, clonal analysis. Sozansky OA, et al. **Hum Genet** 1985;69(2):151-6

The association of the nucleolus and the short arm of acrocentric chromosomes with the XY pair in human spermatocytes: its possible role in facilitating sex-chromosome acrocentric translocations. Stahl A, et al. **Hum Genet** 1984;68(2):173-80

A familial insertion involving an active nucleolar organiser within chromosome 12. Watt JL, et al. **J Med Genet** 1984 Oct;21(5):379-84

Frequency and association of NOR's in a family carrying a pericentric inversion of chromosome 14. Leal-Garza C, et al. **Rev Invest Clin** 1984 Jul-Sep;36(3):283-6

ANALYSIS

Ribosomal gene reiteration in a marsupial species with an X-linked nucleolar organizer. Robins AJ, et al. **Aust J Biol Sci** 1984;37(4):211-5

Simultaneous high resolution localization of Ag-NOR proteins and nucleoproteins in interphasic and mitotic nuclei. Ploton D, et al. **Histochem J** 1984 Aug;16(8):897-906

METABOLISM

[rRNA synthesis im Drosophila melanogaster lines with different nucleolus organizer contents] Kubaneishvili MSh, et al. **Genetika (Moskva)** 1984 Sep;20(9):1444-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The activity of nucleolar organizer regions of human bone marrow cells studied with silver staining. I. Chronic myelocytic leukemia. Mamaev N, et al. **Cancer Genet Cytogenet** 1985 Apr 15;16(4):311-20

Simultaneous ultrastructural localization of Ag-NOR (nucleolar organizer region) proteins and ribonucleoproteins during mitosis, in human breast cancerous tissues. Ploton D, et al. **J Cell Sci** 1985 Mar;74:239-56

ULTRASTRUCTURE

The application of the nucleolar organizer region silver staining (AgNOR) to backscattered electron imaging (BEI). Thiebaut F, et al. **Biol Cell** 1984;52(2):103-8

The relationships between ribosomal genes and fibrillar centers in thyroid cells cultivated in vitro. Vagner-Capodano AM, et al. **Biol Cell** 1984;51(1):11-22

Chromosome banding in salmonid fish: nucleolar organizer regions in Salmo and Salvelinus. Phillips R, et al. **Can J Genet Cytol** 1985 Aug;27(4):433-40

Rearrangement and possible amplification of the ribosomal RNA gene sites in the human chronic myelogenous leukemia cell line K562. Crossen PE, et al. **Cancer Genet Cytogenet** 1985 Sep;18(1):27-30

Correlation of differentiation state and silver staining of nucleolar organizers in the promyelocytic leukemia cell line HL-60. Reeves BR, et al. **Cancer Genet Cytogenet** 1984 Oct;13(2):159-66

Ultrastructural and functional variations in the spermatid nucleolus during spermiogenesis in the mouse. Mirre C, et al. **Cell Differ** 1985 Feb;16(1):51-61

Nucleolar silver-stained granules in maturing erythroid and granulocytic cells. Smetana K, et al. **Cell Tissue Res** 1984;237(2):367-70

Three-dimensional distribution of Ag-NOR proteins in rat superior cervical ganglia nucleoli according to circadian rhythm. Pébusque MJ, et al. **Chromosoma** 1985;91(2):126-30

Stereoscopic back-scattered electron imaging of silver-stained proteins in nucleoli. Thiébaut F, et al. **Chromosoma** 1985;91(5):372-6

Structural organization of an active, chromosomal nucleolar organizer region (NOR) identified by light microscopy, and subsequent TEM and STEM electron microscopy. Tröster H, et al. **Chromosoma** 1985;91(2):151-63

Defective pairing and synaptonemal complex formation in a Sordaria mutant (spo44) with a translocated segment of the nucleolar organizer. Zickler D, et al. **Chromosoma** 1985;92(1):37-47

NOR associations with heterochromatin. Tuck-Muller CM, et al. **Cytogenet Cell Genet** 1984;38(3):165-70

Scanning electron microscopic examination of the secondary constriction of vero cells. Takayama S, et al. **Exp Cell Res** 1985 Apr;157(2):556-60

Cytologic demonstration of differential activity of rRNA gene clusters in different human tissues. de Capoa A, et al. **Hum Genet** 1985;69(3):212-7

Heterochromatin and nucleolus organizer regions in cells of patients with malignant and premalignant lymphatic diseases. Schulze B, et al. **Hum Genet** 1984;67(4):391-5

Intercellular NOR-Ag variability in man. I. Technical improvements and marker acrocentric chromosomes. Sozansky OA, et al. **Hum Genet** 1984;68(4):299-302

Structural and functional aspects of nucleolar organizer regions (NORs) of human chromosomes. Babu KA, et al. **Int Rev Cytol** 1985;94:151-76 (214 ref.)

Ultrastructure and stereological analysis of nucleoli of rat nodose ganglion neuron during a 24-h period: a comparison with sympathetic neurons of rat superior cervical ganglion. Pébusque MJ, et al. **J Auton Nerv Syst** 1985 Jun;13(2):91-8

Circadian rhythm of nucleoli in rat superior cervical ganglion neurons: the two types of fibrillar centres and their quantitative relationship with the nucleolar organizing regions. Pébusque MJ, et al. **J Cell Sci** 1985 Mar;74:65-74

Linkage of the major histocompatibility (B) complex and the nucleolar organizer in the chicken. Assignment to a microchromosome. Bloom SE, et al. **J Hered** 1985 May-Jun;76(3):146-54

Nucleolus organizer regions in the chromosomes of the llama. Mayr B, et al. **J Hered** 1985 May-Jun;76(3):222-3

Silver staining of the nucleolar organizer regions (NORs) on Lowicryl and cryo-ultrathin sections. Moreno FJ, et al. **J Histochem Cytochem** 1985 May;33(5):389-99

Improvement in the specificity of the silver staining technique for AgNOR-associated acidic proteins in paraffin sections. Thiebaut F, et al. **Stain Technol** 1984 May;59(3):181-8

[The association of satellites of human acrocentric chromosomes and Ag staining of nucleolar organizers] Baliček P, et al. **Cas Lek Cesk** 1984 Dec 28;123(52):1599-603 (Eng. Abstr.) **(Cze)**

[Simultaneous immunocytochemical demonstration of the centrosphere and nucleolar organizer in cultured human cells] Maunoury R. **C R Acad Sci [III]** 1985;300(18):679-84 (Eng. Abstr.) **(Fre)**

[Activity of Ag-NORs (nucleolar organizer regions) in lymphocytes and human neoplastic cells] Anglani F, et al. **Pathologica** 1983;75 Suppl:316-9 **(Ita)**

[Evaluation of the nucleolar organizer activity of tumor cells in patients with esophageal and stomach cancers] Mamaev NN, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):477-9 (Eng. Abstr.) **(Rus)**

[Ultrastructure and behavior of the nucleoli and fibrillar centers during cell differentiation of liver erythroblasts of 12-day-old mouse embryos] Chelidze PV, et al. **Tsitologiia** 1984 Aug;26(8):878-85 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the fibrillar center in oocyte nucleoli at the diplonema stage in the golden hamster] Zybina EV, et al. **Tsitologiia** 1984 Nov;26(11):1246-9 (Eng. Abstr.) **(Rus)**

NUCLEOPROTEINS

Theoretical studies on protein-nucleic acid interactions. II. Hydrogen bonding of amino acid side chains with bases and base pairs of nucleic acids. Kumar NV, et al. **Biopolymers** 1984 Oct;23(10):1995-2008

Theoretical studies on protein-nucleic acid interactions. III. Stacking of aromatic amino acids with bases and base pairs of nucleic acids. Kumar NV, et al. **Biopolymers** 1984 Oct;23(10):2009-24

Distribution of protein sulphydryls and disulphides in fixed mammalian chromosomes, and their relationship to banding. Sumner AT. **J Cell Sci** 1984 Aug;70:177-88

Purification and N-terminal amino acid sequence of proliferating cell nuclear antigen (PCNA)/cyclin and development of ELISA for anti-PCNA antibodies. Ogata K, et al. **J Immunol** 1985 Oct;135(4):2623-7

ADMINISTRATION & DOSAGE

RBC-mediated microinjection of chromatin components into cultured mammalian cells. Rechsteiner M, et al. **Bibl Haematol** 1985;(51):142-9

ANALYSIS

Growth-activity related variation of a nuclear antigen in monolayer-culture cells quantitated by immunofluorometry and microspectrophotometry. Fagraeus A, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1985 Jan;93(1):35-40

Characterisation of non-histone nuclear proteins cross reactive with purified rheumatoid factors. Mason JC, et al. **Ann Rheum Dis** 1985 May;44(5):287-93

The association of human c-Ha-ras sequences with chromatin and nuclear proteins. Kasid UN, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):226-32

Purification of an 86-70 kDa nuclear DNA-associated protein complex. Yaneva M, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):22-9

A monoclonal antibody (HNo-g7) with specificity for a human nucleolar protein. Shallal A, et al. **Biosci Rep** 1984 Sep;4(9):789-95

Comparison of nuclear proteins from DMBA-induced mammary tumors and lactating mammary glands by polyacrylamide gel electrophoresis. Dinh BL, et al. **Breast Cancer Res Treat** 1985;5(1):37-46

An analysis of nuclear and chromatin proteins in rat livers exhibiting hyperplastic growth induced by chemical carcinogens. Smith GJ, et al. **Cancer Biochem Biophys** 1985 Feb;7(4):291-9

Expression of maturation-specific nuclear antigens in differentiating human myeloid leukemia cells. Murao S, et al. **Cancer Res** 1985 Feb;45(2):791-5

Ribocharin: a nuclear Mr 40,000 protein specific to precursor particles of the large ribosomal subunit. Hügle B, et al. **Cell** 1985 Jun;41(2):615-27

Changes in the nuclear lamina composition during early development of Xenopus laevis. Stick R, et al. **Cell** 1985 May;41(1):191-200

Protein composition of the chromosomal scaffold and interphase nuclear matrix. Pieck AC, et al. **Chromosoma** 1985;91(2):137-44

Antinuclear antibodies and nuclear antigens in NZB myeloma ascitic fluids. Eisenberg RA, et al. **Clin Immunol Immunopathol** 1985 Jun;35(3):337-45

A method for simultaneous nuclear immunofluorescence and DNA content quantitation using monoclonal antibodies and flow cytometry. Clevenger CV, et al. **Cytometry** 1985 May;6(3):208-14

Quantitation of cell kinetic responses using simultaneous flow cytometric measurements of DNA and nuclear protein. Pollack A, et al. **Cytometry** 1984 Sep;5(5):473-81

Individual nuclei in polykaryons can control cyclin distribution and DNA synthesis. Celis JE, et al. **EMBO J** 1985 May;4(5):1187-92

PSL, an S phase-related p55 nuclear antigen, associates transiently with chromatin. Barque JP, et al. **Exp Cell Res** 1985 Mar;157(1):8-14

Characterization of lamina-bound chromatin in the nuclear shell isolated from HeLa cells. Bouvier D, et al. **Exp Cell Res** 1985 Feb;156(2):500-12

Simultaneous high resolution localization of Ag-NOR proteins and nucleoproteins in interphasic and mitotic nuclei. Ploton D, et al. **Histochem J** 1984 Aug;16(8):897-906

Microfluorometric estimates of proteins associated with murine hepatocyte and thymocyte nuclei, residual structures, and nuclear matrix derivatives. Curtis SK, et al. **Histochemistry** 1985;82(4):331-9

Karyoskeletal proteins and the organization of the amphibian oocyte nucleus. Benavente R, et al. **J Cell Sci [Suppl]** 1984;1:161-86

Analysis of nucleoproteins by direct injection of dissolved nuclei or chromosomes into a high-performance liquid chromatographic system. Jackson PS, et al. **J Chromatogr** 1985 Jun 19;326:199-216

The nucleocapsid of Berne virus. Horzinek MC, et al. **J Gen Virol** 1985 Jun;66 (Pt 6):1287-96

Identification of multiple Epstein-Barr virus-induced nuclear antigens with sera from patients with rheumatoid arthritis. Sculley TB, et al. **J Virol** 1984 Oct;52(1):88-93

Cellular protein and RNA antigens in autoimmune disease. Bernstein RM, et al. **Mol Biol Med** 1984 Apr;2(2):105-20

Nuclear lamins and peripheral nuclear antigens during fertilization and embryogenesis in mice and sea urchins. Schatten G, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4727-31

[Proteins firmly bound to DNA in the E. coli nucleoid] Gaziev AI, et al. **Biokhimiia** 1985 May;50(5):814-9 (Eng. Abstr.) **(Rus)**

[New immunochemical method of localizing proteins on DNA. The primary organization of nucleosomes containing proteins HMG 14 and 17] Shik VV, et al. **Dokl Akad Nauk SSSR** 1984;279(5):1254-6 **(Rus)**

BIOSYNTHESIS

Increased synthesis of acid-soluble nuclear material in spleens of tumor-bearing BALB/c mice. Mashburn LT. **Cancer Res** 1985 May;45(5):2264-9

Induction of a novel nuclear protein (p54) by phorbol esters in mouse erythroleukemia (Friend) cells. Mitsuse S, et al. **Cancer Res** 1985 Aug;45(8):3836-42

Cell type-specific expression of nuclear lamina proteins during development of Xenopus laevis. Benavente R, et al. **Cell** 1985 May;41(1):177-90

Nuclear protein synthesis in a temperature-sensitive Chinese hamster ovary cell line at 40 degrees C. Anderson KM, et al. **Clin Physiol Biochem** 1984;2(6):304-19

The role of specialized nucleoprotein structures in site-specific recombination and initiation of DNA replication. Echols H, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:727-33

Induction of the nuclear protein 'cyclin' in quiescent mouse 3T3 cells stimulated by serum and growth factors. Correlation with DNA synthesis. Bravo R, et al. **EMBO J** 1984 Dec 20;3(13):3177-81

Synthesis of the nuclear protein cyclin does not correlate directly with transformation in quail embryo fibroblasts. Bravo R, et al. **Exp Cell Res** 1985 Feb;156(2):450-4

Induction of the nuclear protein cyclin in serum-stimulated quiescent 3T3 cells is independent of DNA synthesis. Macdonald-Bravo H, et al. **Exp Cell Res** 1985 Feb;156(2):455-61

BLOOD

Transformation and growth related changes in levels of nuclear and cytoplasmic proteins antigenically related to mammalian beta-galactoside-binding lectin. Carding SR, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):680-6

Evidence for extensive intermolecular disulfide bonds of the proteins of non-ionic detergent high-salt-resistant skeletons of normal lymphocytes, and the altered structure in leukemia. Taş S, et al. **Int J Cancer** 1984 Sep 15;34(3):329-33

[Cytochemical study of lymphocyte nucleoproteins in rheumatoid arthritis patients] Tsvetkova T, et al. **Vutr Boles** 1985;24(2):82-8 (Eng. Abstr.) **(Bul)**

GENETICS

Identification of the sequence responsible for the nuclear accumulation of the influenza virus nucleoprotein in Xenopus oocytes. Davey J, et al. **Cell** 1985 Mar;40(3):667-75

Protein products of the bithorax complex in Drosophila. White RA, et al. **Cell** 1984 Nov;39(1):163-71

Unidirectional branch migration promoted by nucleoprotein filaments of RecA protein and DNA. Cox MM, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:525–33

Occurrence of a species-specific nuclear antigen in the germ line of Xenopus and its expression from paternal genes in hybrid frogs. Wedlich D, et al. **Dev Biol** 1985 Mar; 108(1):220–34

The S RNA segment of lymphocytic choriomeningitis virus codes for the nucleoprotein and glycoproteins 1 and 2. Riviere Y, et al. **J Virol** 1985 Mar;53(3):966–8

Nucleoprotein and membrane protein genes are associated with restriction of replication of influenza A/Mallard/NY/78 virus and its reassortants in squirrel monkey respiratory tract. Tian SF, et al. **J Virol** 1985 Mar; 53(3):771–5

Complete nucleotide sequence of the influenza C/California/78 virus nucleoprotein gene. Nakada S, et al. **Virus Res** 1984 Sep;1(6):433–41

Sequence of the nucleoprotein gene of influenza A/parrot/Ulster/73. Steuler H, et al. **Virus Res** 1985 Jul; 3(1):35–40

[Changes in the gene of the cellular T-antigen (p53) in human tumors] Ninkina NN, et al. **Dokl Akad Nauk SSSR** 1985; 281(4):958–60 **(Rus)**

[Extrachromosomal elements of Escherichia coli in the fraction containing nucleoprotein complexes of reverse transcriptase with an endogenous template] Romashchenko AG, et al. **Dokl Akad Nauk SSSR** 1984;277(5):1264–6 **(Rus)**

IMMUNOLOGY

Quality assurance and proficiency testing for autoantibodies to nuclear antigen. Nakamura RM, et al. **Arch Pathol Lab Med** 1985 Feb;109(2):109–14

Cytotoxic T cells recognize fragments of the influenza nucleoprotein. Townsend AR, et al. **Cell** 1985 Sep; 42(2):457–67

Detection of a 140 KDA nucleolar protein with an anti-PCNA autoantibody. Chan PK, et al. **Cell Biol Int Rep** 1985 Jan;9(1):61–8

Immunological relationship between oocyte nuclear proteins of Xenopus laevis and X. borealis. Dreyer C, et al. **Dev Biol** 1985 Mar;108(1):210–9

A rapid screening enzyme linked immunosorbent assay for autoantibodies to extractable nuclear antigens. Warlow R, et al. **Diagn Immunol** 1984;2(3):154–60

Antibodies to nuclear thyroid hormone-binding proteins. Antibody characterization and immunofluorescent localization. Sellitti DF, et al. **Exp Cell Res** 1985 May; 158(1):223–36

The spectrum of complement-fixing antinuclear antibodies in patients with hepatocellular carcinoma. Kiyosawa K, et al. **Hepatology** 1985 Jul–Aug;5(4):548–55

Polyclonal and monoclonal antibodies to the interferon-inducible protein Mx of influenza virus-resistant mice. Staeheli P, et al. **J Biol Chem** 1985 Feb 10; 260(3):1821–5

Ultraviolet light induces binding of antibodies to selected nuclear antigens on cultured human keratinocytes. LeFeber WP, et al. **J Clin Invest** 1984 Oct;74(4):1545–51

Rapid detection of cytomegalovirus in cell culture by indirect immunoperoxidase staining with monoclonal antibody to an early nuclear antigen. Swenson PD, et al. **J Clin Microbiol** 1985 May;21(5):669–73

Induction of influenza A virus cross-reactive cytotoxic T cells by a nucleoprotein/haemagglutinin preparation. Wraith DC, et al. **J Gen Virol** 1985 Jun;66 (Pt 6):1327–31

An enzyme-linked immunosorbent assay for autoantibodies against the nuclear protein Scl-70. Geisler C, et al. **J Immunol Methods** 1985 Jun 25;80(2):211–9

IgG antibodies to SS-B (La), RNP/Sm and DNA are produced by PWM-stimulated normal human lymphocytes in culture. Mumford P, et al. **Rheumatol Int** 1985; 5(3):109–12

Detection of anti-extractable nuclear antigens in connective tissue diseases: comparison between passive hemagglutination, counterimmunoelectrophoresis and double immunodiffusion. Siracusano A, et al. **Ric Clin Lab** 1985 Jan–Mar;15(1):33–8

Quantitation of antibodies to ENA with an ELISA on polystyrene plates precoated with mBSA. Kávai M, et al. **Scand J Rheumatol [Suppl]** 1985;56:72–4

[Histone antibodies: significance in the diagnosis of SLE in comparison to dsDNA antibodies and antibodies to extractable nuclear antigens] Krippner H, et al. **Immun Infekt** 1985 Feb;13(1):29–30 (Eng. Abstr.) **(Ger)**

[Antibodies to rheumatoid arthritis nuclear antigen (RANA) in patients with rheumatoid arthritis] Saito M. **Nippon Naika Gakkai Zasshi** 1984 Jun;73(6):791–800 **(Jpn)**

ISOLATION & PURIFICATION

Characterization of lamin proteins in BHK cells. Dagenais A, et al. **Exp Cell Res** 1984 Dec;155(2):435–47

A chemically cleavable biotinylated nucleotide: usefulness in the recovery of protein-DNA complexes from avidin affinity columns. Shimkus M, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2593–7

[Detection and isolation of glycoproteins and nuclear proteins in the bovine brain] Mekhtiev AA, et al. **Biokhimiia** 1984 Dec;49(12):1959–64 (Eng. Abstr.) **(Rus)**

METABOLISM

cis-Diamminedichloroplatinum-mediated crosslinking of nuclear proteins to DNA is cell cycle specific. Banjar ZM, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):202–7

Variations in ADP-ribosylation of nuclear scaffold proteins during the HeLa cell cycle. Adolph KW, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):840–7

Spermine induced phosphorylation of a 42 kD/pI 5.9 nuclear protein in different human tumor cell lines. Unteregger G. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):700–7

Androgen-dependent peptides of the rat ventral prostate nuclear envelope. Venkatraman JT, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):469–74

Absolute measurement of enhanced fluctuations in assemblies of biomolecules by ultrasonic techniques. Cerf R. **Biophys J** 1985 Jun;47(6):751–6

Methylating agents: their target amino acids in nuclear proteins. Boffa LC, et al. **Carcinogenesis** 1985 Sep; 6(9):1399–401

Poly(adenosine diphosphate-ribosylation) of nuclear matrix proteins in alkylating agent resistant and sensitive cell lines. Moy BC, et al. **Chem Biol Interact** 1985 Jul;54(2):209–22

Changes in the nuclear distribution of cyclin (PCNA) but not its synthesis depend on DNA replication. Bravo R, et al. **EMBO J** 1985 Mar;4(3):655–61

A subset of non-histone nuclear proteins reversibly stabilized by the sulfhydryl cross-linking reagent tetrathionate. Polypeptides of the internal nuclear matrix. Kaufmann SH, et al. **Exp Cell Res** 1984 Dec;155(2):477–95

Immunological identification of the karyophilic, histone-binding proteins N1 and N2 in somatic cells and oocytes of diverse amphibia. Krohne G. **Exp Cell Res** 1985 May;158(1):205–22

Foreign protein can be carried into the nucleus of mammalian cell by conjugation with nucleoplasmin. Sugawa H, et al. **Exp Cell Res** 1985 Aug;159(2):419–29

Changes in the nuclear distribution of cyclin (PCNA) during S-phase are not triggered by post-translational modifications that are expected to moderately affect its charge. Bravo R, et al. **FEBS Lett** 1985 Mar 25; 182(2):435–40

Enzymatic modification of Novikoff hepatoma lamins A and C. Glass WF 2d, et al. **J Biol Chem** 1985 Feb 10; 260(3):1895–900

An interferon-induced mouse protein involved in the mechanism of resistance to influenza viruses. Its purification to homogeneity and characterization by polyclonal antibodies. Horisberger MA, et al. **J Biol Chem** 1985 Feb 10;260(3):1730–3

Sites of phosphorylation on the high molecular weight basic nuclear proteins of the winter flounder. Kennedy BP, et al. **J Biol Chem** 1985 Apr 10;260(7):4338–44

Nerve growth factor-induced increase in the cell-free phosphorylation of a nuclear protein in PC12 cells. Nakanishi N, et al. **J Biol Chem** 1985 Jun 25;260(12):7791–9

Phosphorylation of the nuclear lamins during interphase and mitosis. Ottaviano Y, et al. **J Biol Chem** 1985 Jan 10; 260(1):624–32

Effects of androgen and polyamines on the phosphorylation of nucleolar proteins from rat ventral prostates with particular reference to 110-kDa phosphoprotein. Suzuki N, et al. **J Biol Chem** 1985 Jul 5;260(13):8050–5

Chromium-induced cross-linking of nuclear proteins and DNA. Wedrychowski A, et al. **J Biol Chem** 1985 Jun 10; 260(11):7150–5

Movement of a karyophilic protein through the nuclear pores of oocytes. Feldherr CM, et al. **J Cell Biol** 1984 Dec; 99(6):2216–22

Maturation of human promyelocytic leukemia cells induced by nicotinamide: evidence of a regulatory role for ADP-ribosylation of chromosomal proteins. Lucas DL, et al. **J Cell Physiol** 1984 Nov;121(2):334–40

Organization and modulation of nuclear lamina structure. Gerace L, et al. **J Cell Sci [Suppl]** 1984;1:137–60

Changes in chromatin and the phosphorylation of nuclear proteins during heat shock of Achlya ambisexualis. Pekkala D, et al. **Mol Cell Biol** 1984 Jul;4(7):1198–205

Hormonal control of the phosphorylation of histones, HMG proteins and other nuclear proteins. Cooper E, et al. **Mol Cell Endocrinol** 1985 Jan;39(1):1–20 (207 ref.)

Complexes of viroids with histones and other proteins. Wolff P, et al. **Nucleic Acids Res** 1985 Jan 25;13(2):355–67

A widely distributed nuclear protein immunologically related to the microtubule-associated protein MAP1 is associated with the mitotic spindle. Bonifacino JS, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1146–50

Cell cycle-dependent variations in the distribution of the nuclear protein cyclin proliferating cell nuclear antigen in cultured cells: subdivision of S phase. Celis JE, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3262–6

A method for mapping intranuclear protein-DNA interactions and its application to a nuclease hypersensitive site. Jackson PD, et al. **Proc Natl Acad Sci USA** 1985 Apr; 82(8):2296–300

Patterns of nuclear lamins in diverse animal and plant cells and in germ cells as revealed by immunofluorescence microscopy with polyclonal and monoclonal antibodies. Högner D, et al. **Tissue Cell** 1984;16(5):693–703

Electrophoretic analysis of liver nucleoplasmic proteins from young and adult chickens following intraperitoneal administration of D-galactosamine. Palyga J. **Zentralbl Veterinarmed** [A] 1984 Oct;31(9):671–5

PHYSIOLOGY

Replication and nicking of zygotene DNA sequences. Control by a meiosis-specific protein. Hotta Y, et al. **Chromosoma** 1984;90(4):243–53

Changes in nuclear proteins induced by heat shock in Drosophila culture cells. Rabilloud T, et al. **FEBS Lett** 1985 May 20;184(2):278–84

Simultaneous ultrastructural localization of Ag-NOR (nucleolar organizer region) proteins and ribonucleoproteins during mitosis, in human breast cancerous tissues. Ploton D, et al. **J Cell Sci** 1985 Mar; 74:239–56

Nuclear proteins that become part of the mitotic apparatus: a role in nuclear assembly? Pettijohn DE, et al. **J Cell Sci [Suppl]** 1984;1:187–201

Change of karyoskeleton during spermatogenesis of Xenopus: expression of lamin LIV, a nuclear lamina protein specific for the male germ line. Benavente R, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6176–80

The transformation-related p53 protein: a potential regulator of cell proliferation. Mercer WE, et al. **Prog Clin Biol Res** 1985;177:171–91

RADIATION EFFECTS

[Gamma-irradiation induced weakening of the stability of the DNA bond with nuclear matrix proteins] S'iakste NI, et al. **Med Radiol (Mosk)** 1985 Mar;30(3):74–6 **(Rus)**

NUCLEOSIDASES

ANALYSIS

A comparative study on the NAD glycohydrolase of the maternal and neonatal erythrocytes. Suh BH, et al. **Asia Oceania J Obstet Gynaecol** 1985 Jun;11(2):169–76

Rapid sensitive fluorescence assays for DNA endonucleases and DNA glycosylases. Evans DH, et al. **Can J Biochem Cell Biol** 1984 Dec;62(12):1275–82

ANTAGONISTS & INHIBITORS

Inhibition of enzymic incision of thymine dimers by covalently bound 2-[N-[(deoxyguanosin-8-yl)acetyl]amino]fluorene in deoxyribonucleic acid. Duker NJ, et al. **Biochemistry** 1985 Jan 15;24(2):408–12

BIOSYNTHESIS

Carbon source regulation of nicotinamide adenine dinucleotide (phosphate) glycohydrolase in Neurospora crassa: induction and repression of enzyme synthesis. Jorge JA, et al. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1563–8

Induction of 3-methyladenine DNA glycosylase II is recA+-independent. Evensen G. **Mutat Res** 1985 Sep; 146(2):143–7

BLOOD

Direct observation of the NAD glycohydrolase reaction in human erythrocytes using NMR spectroscopy. Kuchel PW, et al. **Experientia** 1985 Jan 15;41(1):53–5

GENETICS

Genetic mapping of nth, a gene affecting endonuclease III (thymine glycol-DNA glycosylase) in Escherichia coli K-12. Weiss B, et al. **J Bacteriol** 1985 May;162(2):607–10

Cloning and characterization of the alkA gene of Escherichia coli that encodes 3-methyladenine DNA glycosylase II. Nakabeppu Y, et al. **J Biol Chem** 1984 Nov 25; 259(22):13723–9

Cloning of Escherichia coli genes encoding 3-methyladenine DNA glycosylases I and II. Clarke ND, et al. **MGG** 1984; 197(3):368–72

IMMUNOLOGY

[Uracil-DNA glycosidase studied with an immune serum] Aprelikova ON, et al. **Tsitologiia** 1984 Jun;26(6):678–82 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Further purification and characterization of human 3-methyladenine-DNA glycosylase. Evidence for broad specificity. Gallagher PE, et al. **Biochim Biophys Acta** 1984 Sep 10;782(4):394–401

METABOLISM

Properties and applications of immobilized snake venom NAD glycohydrolase. Anderson BM, et al. **Anal Biochem** 1984 Jul;140(1):250–5

Topography, purification and characterization of thyroidal NAD+ glycohydrolase. De Wolf MJ, et al. **Biochem J** 1985 Mar 1;226(2):415–27

Purification and characterization of 3-methyladenine-DNA glycosylase from calf thymus. Male R, et al. **J Biol Chem** 1985 Feb 10;260(3):1623–9

Enzymatic excision of DNA bases damaged by exposure to ionizing radiation or oxidizing agents. Breimer LH, et al. **Mutat Res** 1985 Jun–Jul;150(1–2):85–9

Excision of uracil residues in DNA: mechanism of action of Escherichia coli and Micrococcus luteus uracil-DNA glycosylases. Delort AM, et al. **Nucleic Acids Res** 1985 Jan 25;13(2):319-35

In situ enzymatic reclosure of opened imidazole rings of purines in DNA damaged by gamma-irradiation. Chetsanga CJ, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):633-7

PHYSIOLOGY

Induction of transversion mutations in Escherichia coli by N-methyl-N'-nitro-N-nitrosoguanidine is SOS dependent. Foster PL, et al. **J Bacteriol** 1985 Jul;163(1):213-20

NUCLEOSIDE DEAMINASES

ADMINISTRATION & DOSAGE

Antineoplastic effects in rats of 5-fluorocytosine in combination with cytosine deaminase capsules. Nishiyama T, et al. **Cancer Res** 1985 Apr;45(4):1753-61

ANALYSIS

Protein structural changes accompanying formation of enzymatic transition states: tryptophan environment in ground-state and transition-state analogue complexes of adenosine deaminase. Kurz LC, et al. **Biochemistry** 1985 Mar 12;24(6):1342-6

Monoclonal antibody and enzymatic profiles of human malignant T-lymphoid cells and derived cell lines. Smith SD, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5657-60

Changes in 5'-nucleotidase and adenosine deaminase distribution across the rat left ventricle wall during growth and aging. De Tata V, et al. **Exp Gerontol** 1985;20(1):47-51

The antigen identified by a mouse monoclonal antibody raised against human renal cancer cells is the adenosine deaminase binding protein. Andy RJ, et al. **J Biol Chem** 1984 Oct 25;259(20):12844-9

Human adenosine deaminase. cDNA and complete primary amino acid sequence. Daddona PE, et al. **J Biol Chem** 1984 Oct 10;259(19):12101-6

Adenosine deaminase complexing proteins are localized in exocrine glands of the rabbit. Schrader WP, et al. **J Histochem Cytochem** 1985 Jun;33(6):508-14

A flow cytometric method for the detection of adenosine deaminase in mononuclear cells. SenGupta S, et al. **J Immunol Methods** 1985 Jun 25;80(2):155-62

Studies on terminal deoxynucleotidyl transferase and adenosine deaminase in myasthenic thymus. Vezzoni P, et al. **J Neuroimmunol** 1984 Sep-Oct;6(6):427-33

Enzymes of purine metabolism and membrane phenotype in malignant cells of some leukemia patients. Babušíková O, et al. **Neoplasma** 1984;31(6):661-6

[Continuous measurement of the catalytic activity of adenosine deaminase using the pH stat method] Garth H, et al. **J Clin Chem Clin Biochem** 1984 Nov;22(11):769-72 (Eng. Abstr.) **(Ger)**

[Early diagnosis of pleuroperitoneal tuberculosis by the determination of adenosine deaminase] Martinez-Vázquez JM, et al. **Med Clin (Barc)** 1984 Nov 3;83(14):578-80 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Adenosine deaminase inhibition and myocardial adenosine metabolism during ischemia. Achterberg PW, et al. **Adv Myocardiol** 1985;6:465-72

Transport of deoxycoformycin in human erythrocytes. Measurement by adenosine deaminase titration and radioisotope assays. Chen SF, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):4069-79

Lack of inhibition of purine nucleoside phosphorylase and adenosine deaminase in patients treated with azathioprine. Maddocks JL, et al. **Br J Clin Pharmacol** 1985 Jan; 19(1):108-11

Inhibition of Escherichia coli cytidine deaminase by a phosphapyrimidine nucleoside. Ashley GW, et al. **J Biol Chem** 1984 Nov 10;259(21):13621-7

Low-dose deoxycoformycin in lymphoid malignancy. Grever MR, et al. **J Clin Oncol** 1985 Sep;3(9):1196-201

Metabolic channeling of 5-fluoro-2'-deoxycytidine utilizing inhibitors of its deamination in cell culture. Boothman DA, et al. **Mol Pharmacol** 1985 May;27(5):584-94

Inhibition of adenosine deaminase and purine nucleoside phosphorylase and T-cell function in germfree mice and human peripheral blood. Wiedl SC, et al. **Prog Clin Biol Res** 1985;181:461-6

Effects of adenosine deaminase inhibitor 2'-deoxycoformycin on the repair and expression of potentially lethal damage sensitive to beta-araA. Iliakis G, et al. **Radiat Environ Biophys** 1985;24(2):81-8

Trazodone, a nontricyclic antidepressant, is an inhibitor of adenosine deaminase. Sheid B. **Res Commun Chem Pathol Pharmacol** 1985 Jan; 47(1):149-52

EHNA is a poor inhibitor of deoxyadenosine catabolism in cultured human lymphocytes. Goday A, et al. **Rev Esp Fisiol** 1985 Mar;41(1):49-54

BLOOD

Adenosine deaminase (ADA) in leukemia: clinical value of plasma ADA activity and characterization of leukemic cell ADA. Morisaki T, et al. **Am J Hematol** 1985 May; 19(1):37-45

Cytidine deaminase—a marker for pre-eclampsia? Baines TJ, et al. **Ann Clin Biochem** 1985 Jul;22 (Pt 4):420-2

A biological marker model for predicting disease transitions. Klein JP, et al. **Biometrics** 1984 Dec;40(4):927-36

Activity of serum adenosine deaminase in sarcoidosis [letter] Klockars M, et al. **Clin Chem** 1985 Jan;31(1):155

Adenosine deaminase activity in serum of kidney-transplant recipients during the early postoperative period [letter] Orts J, et al. **Clin Chem** 1985 Aug;31(8):1414-5

Cytidine deaminase activity of human normal and malignant lymphoid cells. Pérignon JL, et al. **Clin Chim Acta** 1985 Apr 15;147(2):67-74

Immunomodulators and enzymes of purine metabolism in human lymphocytes. Ambrogi F, et al. **Int J Tissue React** 1984;6(5):379-84

A colorimetric assay for serial determination of adenosine deaminase activity in small lymphocyte populations. Vielh P, et al. **J Immunol Methods** 1984 Oct 26;73(2):313-20

Host-mediated inhibition of rat bladder cancer growth by cyclophosphamide and purine salvage pathway-related enzyme activity of lymphocytes. Iwaguchi T, et al. **Jpn J Exp Med** 1984 Oct;54(5):201-6

Alteration of adenosine deaminase levels in peripheral blood lymphocytes of patients with gastric cancer. Kojima O, et al. **Jpn J Surg** 1985 Mar;15(2):130-3

Adenosine deaminase activity in Diamond-Blackfan syndrome [letter] Whitehouse DB, et al. **Lancet** 1984 Dec 15;2(8416):1398-9

Studies on the serum adenosine deaminase activity test in patients with hepatitis. Takahashi M, et al. **Nippon Ika Daigaku Zasshi** 1984 Dec;51(6):768-71

Serum adenosine deaminase activity in healthy subjects and lead workers. Horiguchi S, et al. **Osaka City Med J** 1984 Dec;30(2):139-45

Adenosine deaminase in malaria infected erythrocytes: unique parasite enzyme presents a new therapeutic target. Wiesmann WP, et al. **Prog Clin Biol Res** 1984;165:325-42

[Serum adenosine deaminase: activity and multiple molecular forms] Kurata N, et al. **Rinsho Byori** 1984 Aug;32(8):875-80 **(Jpn)**

[Adenosine deaminase and purine nucleoside phosphorylase of thrombocytes in various hematologic diseases] Sokovnina IaM, et al. **Vestn Akad Med Nauk SSSR** 1984; (8):75-80 (Eng. Abstr.) **(Rus)**

[Platelet adenosine desaminase in various hematological diseases] Sokovnina IaM, et al. **Vopr Med Khim** 1985 May-Jun;31(3):26-30 **(Rus)**

DEFICIENCY

Effects of deoxycoformycin in mice. III. A murine model reproducing multi-system pathology of human adenosine deaminase deficiency. Ratech H, et al. **Am J Pathol** 1985 Apr;119(1):65-72

Pathologic findings in adenosine deaminase-deficient severe combined immunodeficiency. I. Kidney, adrenal, and chondro-osseous tissue alterations. Ratech H, et al. **Am J Pathol** 1985 Jul;120(1):157-69

dATP accumulation and ATP depletion in platelets in adenosine deaminase deficiency: significance for the immune response? Simmonds HA, et al. **Biosci Rep** 1984 Oct;4(10):809-18

Liquid-chromatographic measurement of purine nucleotides in blood cells. Boulieu R, et al. **Clin Chem** 1985 May; 31(5):727-31

Deoxycytidine therapy in two patients with adenosine deaminase deficiency and severe immunodeficiency disease. Cowan MJ, et al. **Clin Immunol Immunopathol** 1985 Oct; 37(1):30-6

Genetic expression in partial adenosine deaminase deficiency. mRNA levels and protein turnover for the enzyme variants in human B-lymphoblast cell lines. Daddona PE, et al. **J Biol Chem** 1985 Mar 25;260(6):3875-80

Varicella pneumonia in a bone marrow-transplanted, immune-reconstituted adenosine deaminase-deficient patient with severe combined immunodeficiency disease. Ballow M, et al. **J Clin Immunol** 1985 May;5(3):180-6

Immune deficiency due to adenosine deaminase and purine nucleoside phosphorylase deficiency: a simple diagnostic test. Maddocks JL, et al. **J Clin Pathol** 1984 Nov; 37(11):1305-7

Iron overload as a result of transfusion therapy in a patient with adenosine deaminase deficiency. Hopp RJ, et al. **Nebr Med J** 1985 Mar;70(3):95-7

[A method detecting heterozygotes for adenosine deaminase deficiency with blood samples dried on filter paper] Ito K, et al. **Rinsho Byori** 1984 Jun;32(6):671-4 **(Jpn)**

GENETICS

Adenosine deaminase gene amplification in deoxycoformycin-resistant mammalian cells. Rowland P 3d, et al. **Arch Biochem Biophys** 1985 Jun;239(2):396-403

Adenosine deaminase: characterization and expression of a gene with a remarkable promoter. Valerio D, et al. **EMBO J** 1985 Feb;4(2):437-43

Introduction of sequences encoding functional human adenosine deaminase into mouse cells using a retroviral shuttle system. Valerio D, et al. **Gene** 1985;34(2-3):163-8

Cloning of human adenosine deaminase cDNA and expression in mouse cells. Valerio D, et al. **Gene** 1984 Nov; 31(1-3):147-53

Characterization of normal and mutant adenosine deaminase messenger RNAs by translation and hybridization to a cDNA probe. Adrian GS, et al. **Hum Genet** 1984; 68(2):169-72

Identification of functional murine adenosine deaminase cDNA clones by complementation in Escherichia coli. Yeung CY, et al. **J Biol Chem** 1985 Aug 25; 260(18):10299-307

An approach to a selection system for adenosine-deaminase-positive (ADA+) cells and detection of rat ADA+ 'revertants'. Hirschhorn R, et al. **J Cell Physiol** 1985 May;123(2):277-82

Identification of a point mutation in the adenosine deaminase gene responsible for immunodeficiency. Bonthron DT, et al. **J Clin Invest** 1985 Aug;76(2):894-7

Simultaneous electrophoretic determination of phosphoglucomutase subtypes, adenosine deaminase, erythrocyte acid phosphatase, and adenylate kinase enzyme phenotypes. Wolson TL, et al. **J Forensic Sci** 1985 Jul; 30(3):904-7

Characterization of a mutation conferring radiation sensitivity, ior, located close to the gene coding for deoxycytidine deaminase in Escherichia coli. Estevenon AM, et al. **MGG** 1985;200(1):132-7

Structure of adenosine deaminase mRNAs from normal and adenosine deaminase-deficient human cell lines. Adrian GS, et al. **Mol Cell Biol** 1984 Sep;4(9):1712-7

Transient expression of human adenosine deaminase cDNAs: identification of a nonfunctional clone resulting from a single amino acid substitution. Orkin SH, et al. **Mol Cell Biol** 1985 Apr;5(4):762-7

Prenatal diagnosis of a true mosaic trisomy 20 substantiated by demonstration of a gene dosage effect for adenosine deaminase (ADA). Steinbach P, et al. **Prenat Diagn** 1985 Mar-Apr;5(2):163-6

Expression of human adenosine deaminase using a transmissable murine retrovirus vector system. Friedman RL. **Proc Natl Acad Sci USA** 1985 Feb;82(3):703-7

ISOLATION & PURIFICATION

Bovine skeletal muscle adenosine deaminase. Purification and some properties. Martinez C, et al. **Int J Biochem** 1984; 16(12):1279-82

Purification and properties of cytidine deaminase from escherichia coli. Ashley GW, et al. **J Biol Chem** 1984 Nov 10;259(21):13615-20

METABOLISM

Adenosine deaminase and terminal deoxynucleotidyl transferase in human lymphomas: an aid to the diagnosis and subclassification of lymphoblastic lymphomas. Vezzoni P, et al. **Am J Hematol** 1985 Jul;19(3):219-27

Adenosine aminohydrolase activity in the regenerating rat liver. Sheid B. **Arch Biochem Biophys** 1985 Apr; 238(1):259-62

Spontaneous epimerization of (S)-deoxycoformycin and interaction of (R)-deoxycoformycin, (S)-deoxycoformycin, and 8-ketodeoxycoformycin with adenosine deaminase. Schramm VL, et al. **Biochemistry** 1985 Jan 29;24(3):641-6

Elevated adenosine deaminase and purine nucleoside phosphorylase activity in peripheral blood null lymphocytes from patients with acquired immune deficiency syndrome. Murray JL, et al. **Blood** 1985 Jun; 65(6):1318-24

Cytidine deaminase levels in cultured mammalian cell lines measured by the growth tests and enzyme assays. Ishii K, et al. **Cell Struct Funct** 1984 Jun;9(2):117-23

Regional distribution of adenosine deaminase in the human neuraxis. Norstrand IF, et al. **Enzyme** 1984;32(1):20-5

Immunomorphological localization of adenosine deaminase in rat tissues during ontogeny. Chechik BE, et al. **Histochem J** 1985 Feb;17(2):153-70

Immunohistochemical localization of adenosine deaminase complexing protein in intestinal mucosa and in colorectal adenocarcinoma as a marker for tumour cell heterogeneity. Ten Kate J, et al. **Histochem J** 1985 Jan;17(1):23-31

Adenosine deaminase activity associated with phagocytic vacuoles. Cytochemical demonstration by electron microscopy. Tritsch GL, et al. **Histochemistry** 1985; 82(3):281-5

Adenosine deaminase activity in lymphocyte subpopulations of B-16 melanoma and normal C57BL bearing mice. Shohat B, et al. **Immunol Lett** 1984;8(6):307-10

Characterization of adenosine deaminase from normal human epidermis and squamous cell carcinoma of the skin. Koizumi H, et al. **J Invest Dermatol** 1985 Mar; 84(3):199-202

Lack of desensitization of alpha-2-mediated inhibition of lipolysis in fat cells after acute and chronic treatment with clonidine. Villeneuve A, et al. **J Pharmacol Exp Ther** 1985 May;233(2):433-40

A molecular hypothesis concerning the pathogenesis of myasthenia gravis. Norstrand IF. **Med Hypotheses** 1985 Apr;16(4):365-9

Adenosine uptake sites in rat brain: identification using [3H]nitrobenzylthioinosine and co-localization with adenosine deaminase. Nagy JI, et al. **Neurosci Lett** 1985 Mar 22;55(1):47-53

Immunohistochemical localization of adenosine deaminase in primary afferent neurons of the rat. Nagy JI, et al. **Neurosci Lett** 1984 Jul 27;48(2):133-8

Adenosine deaminase in convulsions along with its regional, cellular and synaptosomal distribution in rat brain. Subrahmanyam K, et al. **Neurosci Lett** 1984 Aug 10; 48(3):327-31

[Age-dependence of adenosine deaminase activity in mouse lymphocytes from the spleen and thymus] Bremer H, et al. **Allerg Immunol (Leipz)** 1984;30(4):207-11 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Reversal of dietary-induced insulin resistance in muscle of the rat by adenosine deaminase and an adenosine-receptor antagonist. Budohoski L, et al. **Biochem J** 1984 Nov 15; 224(1):327-30

The effect of catecholamines and adenosine deaminase on the glucose transport system in rat adipocytes. Gliemann J, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):373-9

Effects of prostaglandin E2, indomethacin and adenosine deaminase on basal and insulin-stimulated glucose metabolism in human adipocytes. Richelsen B, et al. **Biochim Biophys Acta** 1985 Mar 21;844(3):359-66

Adenosine deaminase antagonizes inhibitory responses to adenosine and non-adrenergic, non-cholinergic inhibitory nerve stimulation in isolated preparations of guinea-pig trachea. Satchell DG. **Br J Pharmacol** 1984 Oct;83(2):323-5

Purine receptors in trachea: studies with adenosine deaminase and dipyridamole. Satchell D. **Eur J Pharmacol** 1984 Jul 20;102(3-4):545-8

NUCLEOSIDE DIPHOSPHATE KINASES see under **PHOSPHOTRANSFERASES, ATP**

NUCLEOSIDE DIPHOSPHATE SUGARS

Biophysical properties of cytidine diphosphate diacylglycerol in solution. Yang VC, et al. **Biochim Biophys Acta** 1985 May 17;834(3):364-75

ANALYSIS

Selective isolation of domains of chromatin proximal to both carcinogen-induced DNA damage and poly-adenosine diphosphate-ribosylation. Thraves PJ, et al. **Cancer Res** 1985 Jan;45(1):386-91

Determination of in vivo levels of polymeric and monomeric ADP-ribose by fluorescence methods. Jacobson MK, et al. **Methods Enzymol** 1984;106:483-94

Poly(ADP-ribose) glycohydrolase and phosphodiesterases in the analysis of poly(ADP-ribosyl)ated proteins. Kidwell WR, et al. **Methods Enzymol** 1984;106:505-12

Quantification of in vivo levels of poly(ADP-ribose): tritium labeling method and radioimmunoassay. Miwa M, et al. **Methods Enzymol** 1984;106:495-500

Evidence for poly(ADP-ribosyl) derivatives of carboxylates in histone. Ueda K, et al. **Methods Enzymol** 1984; 106:450-61

Quantification of protein-bound ADP-ribosyl and (ADP-ribosyl)n residues. Wielckens K, et al. **Methods Enzymol** 1984;106:472-82

ANTAGONISTS & INHIBITORS

Metabolic effects of poly (ADP-ribose) inhibitors. Milam KM, et al. **Basic Life Sci** 1985;31:25-31

Inhibitors of cholera toxin-induced adenosine diphosphate ribosylation of membrane-associated proteins block stem cell differentiation. Dexter TM, et al. **Blood** 1985 Jun; 65(6):1544-8

Influence of poly(ADP-ribose) synthesis inhibitors on the repair of sublethal and potentially lethal damage in gamma-irradiated mammalian cells. Huet J, et al. **Int J Radiat Biol** 1985 Jun;47(6):655-62

[The role of ADP-ribosylation processes in the repair of cytogenetic damage in mammalian cells] Aptikaeva GF, et al. **Radiobiologiia** 1985 Mar-Apr;25(2):155-8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The CMP-stimulated production of diacylglycerol and CDPdiacylglycerol in neuronal nuclei labelled with radioactive arachidonate. Baker RR, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):221-30

Increased repair replication in human lymphoid cells by inhibition of polyadenosine diphosphoribose synthesis with no increase in patch sizes. Cleaver JE. **Cancer Res** 1985 Mar;45(3):1163-9

Potentiation of cell killing by inhibitors of poly(adenosine diphosphate-ribose) synthesis in bleomycin-treated Chinese hamster ovary cells. Huet J, et al. **Cancer Res** 1985 Mar;45(3):987-91

Methylating and ethylating carcinogens have different requirements for poly(ADP-ribose) synthesis during malignant transformation. Borek C, et al. **Carcinogenesis** 1984 Dec;5(12):1573-6

Poly (ADP-ribose) metabolism in alkylated mouse L5178Y cells. Boyle JM. **Carcinogenesis** 1985 Jul;6(7):1005-9

Poly ADP-ribosylation and DNA strand breakage in SV40 minichromosomes. Poirier GG, et al. **Carcinogenesis** 1985 Feb;6(2):283-7

NAD and the synthesis of (ADP-ribose)n in a human cell strain (46BR) hypersensitive to the lethal effects of 3-aminobenzamide. Poirier V, et al. **Carcinogenesis** 1985 Jun;6(6):837-41

Tumor promoter phorbol-12-myristate-13-acetate induces poly(ADP)-ribosylation in fibroblasts. Singh N, et al. **EMBO J** 1985 Jun;4(6):1491-4

Study of the conversion of GDP-mannose into GDP-fucose in Nereids: a biochemical marker of oocyte maturation. Bulet P, et al. **Eur J Biochem** 1984 Oct 15;144(2):255-9

Poly ADP-ribosylation—a cellular emergency reaction? Wintersberger U, et al. **FEBS Lett** 1985 Sep 2;188(2):189-91

Increased levels of ADP ribosylation during cytomegalovirus replication in human embryo fibroblasts. Furlini G, et al. **Microbiologica** 1984 Jul;7(3):279-85

Specificity of inhibitors of poly(ADP-ribose) synthesis. Effects on nucleotide metabolism in cultured cells. Hunting DJ, et al. **Mol Pharmacol** 1985 Aug;28(2):200-6

Poly(ADP-ribose) synthesis is involved in the toxic effects of alkylating agents but does not regulate DNA repair. Cleaver JE, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):69-76 (54 ref.)

Poly(ADP-ribose) in the cellular response to DNA damage. Berger NA. **Radiat Res** 1985 Jan;101(1):4-15 (47 ref.)

Do inhibitor studies demonstrate a role for poly(ADP-ribose) in DNA repair? Cleaver JE, et al. **Radiat Res** 1985 Jan; 101(1):16-28

Poly(ADP-ribose) and the response of cells to ionizing radiation. Oleinick NL, et al. **Radiat Res** 1985 Jan; 101(1):29-46 (82 ref.)

BLOOD

Tumor promoter phorbol-12-myristate-13-acetate induces poly ADP-ribosylation in human monocytes. Singh N, et al. **Biochem Biophys Res Commun** 1985 Feb 15; 126(3):1208-14

CHEMICAL SYNTHESIS

ADP-ribosylarginine. Oppenheimer NJ. **Methods Enzymol** 1984;106:399-403

[Specificity of the enzymes of Salmonella O-antigen biosynthesis. 6. Synthesis of sugar nucleotides with glycosyl phosphate activation. Analogs of guanosine diphosphate mannose modified at position 6 ofthe purine ring] Shibaev VN, et al. **Bioorg Khim** 1983 May;9(5):684-7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Monoclonal antibodies to poly(adenosine diphosphate ribose) recognize different structures. Kawamitsu H, et al. **Biochemistry** 1984 Jul 31;23(16):3771-7

MRL/Mp-lpr/lpr mouse derived monoclonal antibodies that recognise determinants shared by poly (ADP-ribose), single stranded DNA and left handed Z-DNA. Kanai Y, et al. **Clin Exp Immunol** 1985 Jan;59(1):139-45

Naturally occurring antibodies to poly(ADP-ribose) in autoimmune MRL/Mp-lpr/lpr mice. Kanai Y, et al. **Clin Exp Immunol** 1985 Jan;59(1):132-8

ISOLATION & PURIFICATION

Isolation of adenosine 5'-diphosphate-L-glycero-D-mannoheptose, the assumed substrate of heptose transferase(s), from Salmonella minnesota R595 and Shigella sonnei Re mutants. Kocsis B, et al. **J Biol Chem** 1984 Oct 10;259(19):11858-60

Separation of poly(ADP-ribose) by high-performance liquid chromatography. Hakam A, et al. **J Chromatogr** 1984 Jul 27;296:369-77

Purification and characterization of (ADP-ribosyl)n proteins. Adamietz P, et al. **Methods Enzymol** 1984;106:461-71

Structure of poly(ADP-ribose). Miwa M, et al. **Methods Enzymol** 1984;106:441-50

METABOLISM

ADP-ribosylation of the inhibitory guanine nucleotide regulatory protein (Ni) as a possible mechanism underlying development of beta-adrenergic responses during primary culture of rat hepatocytes. Ui M, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1985; 19:195-205

A method for determining oligo- and poly(ADP-ribosyl)ated enzymes and proteins in vitro. Tanaka Y, et al. **Anal Biochem** 1985 Feb 15;145(1):137-43

Endogenous ADP ribosylation of high mobility group proteins 1 and 2 and histone H1 following DNA damage in intact cells. Tanuma S, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):38-42

The primary structure of the COOH-terminal half of cholera toxin subunit A1 containing the ADP-ribosylation site. Xia QC, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):363-70

Variations in ADP-ribosylation of nuclear scaffold proteins during the HeLa cell cycle. Adolph KW, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):840-7

Effects of pertussis toxin-catalyzed ADP-ribosylation on interactions of transducin and the inhibitory GTP-binding protein of adenylate cyclase with guanyl nucleotides. Bruni P, et al. **Biochem Biophys Res Commun** 1985 Mar 29; 127(3):999-1006

Nicotinamide and other inhibitors of ADP-ribosylation block deoxyglucose uptake in cultured cells. Grunfeld C, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):785-91

Effect of Bordetella pertussis toxin on ADP-ribosylation of membrane proteins, adenylate cyclase activity and insulin release in rat pancreatic islets. Malaisse WJ, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):190-6

Heart contains two substrates (Mr = 40,000 and 41,000) for pertussis toxin-catalyzed ADP-ribosylation that co-purify with Ns. Malbon CC, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):809-15

Identification of enzymatic activities which process protein bound mono(ADP-ribose). Smith KP, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):136-42

Poly (ADP-ribosyl)ation of RNA polymerase II from wheat germ. Taniguchi T, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):526-32

Comparison of ADP-ribosylation of chromosomal proteins between intact and broken cells. Tanuma S, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):896-902

Inhibition of DNA polymerase alpha, DNA polymerase beta, terminal deoxynucleotidyl transferase, and DNA ligase II by poly(ADP-ribosyl)ation reaction in vitro. Yoshihara K, et al. **Biochem Biophys Res Commun** 1985 Apr 16; 128(1):61-7

Protein ADP-ribosylation in rat liver cytosol. Skala H, et al. **Biochem Int** 1983 Dec;7(6):747-54

Intralumenal pool and transport of CMP-N-acetylneuraminic acid, GDP-fucose and UDP-galactose. Study with plasma-membrane-permeabilized mouse thymocytes. Cacan R, et al. **Biochem J** 1984 Nov 15;224(1):277-84

The relationship between pertussis-toxin-induced ADP-ribosylation of a plasma-membrane protein and reversal of muscarinic inhibition of prolactin secretion in GH3 cells. Wojcikiewicz RJ, et al. **Biochem J** 1984 Nov 15;224(1):339-42

Association of poly(adenosine diphosphate ribosylated) nucleosomes with transcriptionally active and inactive regions of chromatin. Hough CJ, et al. **Biochemistry** 1984 Oct 9;23(21):5016-23

A relationship between nuclear poly(adenosine diphosphate ribosylation) and acetylation posttranslational modifications. 1. Nucleosome studies. Malik N, et al. **Biochemistry** 1984 Jul 31;23(16):3721-5

A relationship between nuclear poly(adenosine diphosphate ribosylation) and acetylation posttranslational modifications. 2. Histone studies. Wong M, et al. **Biochemistry** 1984 Jul 31;23(16):3726-30

Effect of nucleotides on translocation of sugar nucleotides and adenosine 3'-phosphate 5'-phosphosulfate into Golgi apparatus vesicles. Capasso JM, et al. **Biochim Biophys Acta** 1984 Oct 17;777(1):133-9

Partial purification of a water-soluble liver protein that regulates adenylate cyclase activity (basal, hormone- and cholera-toxin-activated) and cholera-toxin-catalyzed ADP-ribosylation of the membrane G protein. Gordon JC, et al. **Biochim Biophys Acta** 1984 Oct 16;801(3):325-33

Reduced ribosomal binding of eukaryotic elongation factor 2 following ADP-ribosylation. Difference in binding selectivity between polyribosomes and reconstituted monoribosomes. Nygård O, et al. **Biochim Biophys Acta** 1985 Feb 20;824(2):152-62

Alkylation-induced mono(ADP-ribosyl)-histones H1 and H2B. Hydroxylamine-resistant linkage in hepatoma cells. Kreimeyer A, et al. **Biol Chem Hoppe Seyler** 1985 Jun; 366(6):537-44

Cholera toxin action on rabbit corpus luteum membranes: effects on adenylyl cyclase activity and adenosine diphospho-ribosylation of the stimulatory guanine nucleotide-binding regulatory component. Abramowitz J, et al. **Biol Reprod** 1985 Mar;32(2):463-74

Poly (ADP-ribose) is not involved in the rejoining of DNA breaks accumulated to high levels in u.v.-irradiated HeLa cells. Collins A. **Carcinogenesis** 1985 Jul;6(7):1033-6

Poly(adenosine diphosphate-ribosylation) of nuclear matrix proteins in alkylating agent resistant and sensitive cell lines. Moy BC, et al. **Chem Biol Interact** 1985 Jul;54(2):209-22

Effect of acclimation temperature on Km values towards GDP-mannose of the microsomal dolichol phosphate mannosyltransferase activity of trout liver (Salmo gairdnerii). Bizri M, et al. **Comp Biochem Physiol [B]** 1985; 80(4):693-6

ADP-ribosylating microbial toxins. Foster JW, et al. **CRC Crit Rev Microbiol** 1985;11(4):273-98 (187 ref.)

Study of the conversion of GDP-mannose into GDP-fucose in Nereids: a biochemical marker of oocyte maturation. Bulet P, et al. **Eur J Biochem** 1984 Oct 15;144(2):255-9

The activation of adenylate cyclase from small intestinal epithelium by cholera toxin. Dominguez P, et al. **Eur J Biochem** 1985 Feb 1;146(3):533-8

Time course of polynucleosome relaxation and ADP-ribosylation. Correlation between relaxation and histone H1 hyper-ADP-ribosylation. Niedergang CP, et al. **Eur J Biochem** 1985 Jan 2;146(1):185-91

Localization of the sites of ADP-ribosylation and GTP binding in the eukaryotic elongation factor EF-2. Nilsson L, et al. **Eur J Biochem** 1985 Apr 15;148(2):299-304

ADP-ribosylation of phosphorylase kinase and block of phosphate incorporation into the enzyme. Tsuchiya M, et al. **Eur J Biochem** 1985 Feb 15;147(1):33-40

Amino acid sequence of histone H1 at the ADP-ribose-accepting site and ADP-ribose X histone-H1 adduct as an inhibitor of cyclic-AMP-dependent phosphorylation. Ushiroyama T, et al. **Eur J Biochem** 1985 Aug 15;151(1):173-7

ADP-ribosylation of metaphase and interphase nonhistones using [3H]adenosine as a radioactive label. Adolph KW, et al. **FEBS Lett** 1985 Mar 11;182(1):158-62

Primary structure of elongation factor 2 around the site of ADP-ribosylation is highly conserved from archaebacteria to eukaryotes. Gehrmann R, et al. **FEBS Lett** 1985 Jun 3;185(1):37-42

Pertussis toxin catalyzes the ADP-ribosylation of two distinct peptides, 40 and 41 kDa, in rat fat cell membranes. Malbon CC, et al. **FEBS Lett** 1984 Oct 29;176(2):301-6

Endogenous ADP-ribosylation of elongation factor 2 in polyribosome fraction of rabbit reticulocytes. Sitikov AS, et al. **FEBS Lett** 1984 Oct 15;176(1):261-3

Eukaryotic elongation factor 2 loses its non-specific affinity for RNA and leaves polyribosomes as a result of ADP-ribosylation. Sitikov AS, et al. **FEBS Lett** 1984 Oct 29;176(2):406-10

Retarded decline in poly-ADPR content and poly-ADPR synthetase activity in chicken dystrophic muscle. Yoshikawa A, et al. **FEBS Lett** 1985 Jan 21;180(1):1-4

Poly(ADP-ribosylation) in Ascaris suum. Walter RD, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jul;365(7):805-8

Involvement of poly (ADP-ribose) in the radiation response of mammalian cells. Ben-Hur E. **Int J Radiat Biol** 1984 Dec;46(6):659-71 (79 ref.)

ADP-ribosylation of the specific membrane protein by islet-activating protein, pertussis toxin, associated with inhibition of a chemotactic peptide-induced arachidonate release in neutrophils. A possible role of the toxin substrate in Ca2+-mobilizing biosignaling. Okajima F, et al. **J Biol Chem** 1984 Nov 25;259(22):13863-71

Effect of anion-specific inhibitors on the utilization of sugar nucleotides for N-linked carbohydrate unit assembly by thyroid endoplasmic reticulum vesicles. Spiro MJ, et al. **J Biol Chem** 1985 May 10;260(9):5808-15

Effects of guanyl nucleotides and rhodopsin on ADP-ribosylation of the inhibitory GTP-binding component of adenylate cyclase by pertussis toxin. Tsai SC, et al. **J Biol Chem** 1984 Dec 25;259(24):15320-3

Maturation of human promyelocytic leukemia cells induced by nicotinamide: evidence of a regulatory role for ADP-ribosylation of chromosomal proteins. Lucas DL, et al. **J Cell Physiol** 1984 Nov;121(2):334-40

Modulation of nicotinamide adenine dinucleotide and poly(adenosine diphosphoribose) metabolism by the synthetic 'C' nucleoside analogs, tiazofurin and selenazofurin. A new strategy for cancer chemotherapy. Berger NA, et al. **J Clin Invest** 1985 Feb;75(2):702-9

Purification of phosphatidylinositol synthetase from rat brain by CDP-diacylglycerol affinity chromatography and properties of the purified enzyme. Ghalayini A, et al. **J Neurochem** 1985 Jan;44(1):175-82

Decrease of clonidine binding affinity to alpha 2-adrenoceptor by ADP-ribosylation of 41,000-dalton proteins in rat cerebral cortical membranes by islet-activating protein. Nomura Y, et al. **J Neurochem** 1985 Feb;44(2):364-9

Diphthamide in elongation factor 2: ADP-ribosylation, purification, and properties. Bodley JW, et al. **Methods Enzymol** 1984;106:378-87

Coliphage-induced ADP-ribosylation of Escherichia coli RNA polymerase. Goff CG. **Methods Enzymol** 1984; 106:418-29

NAD: arginine mono-ADP-ribosyltransferases from animal cells. Moss J, et al. **Methods Enzymol** 1984;106:430-7

ADP-ribosylation of membrane components by pertussis and cholera toxin. Ribeiro-Neto FA, et al. **Methods Enzymol** 1985;109:566-72

Overview of poly(ADP-ribosyl)ation. Smulson ME, et al. **Methods Enzymol** 1984;106:438-40

Poly(ADP-ribosyl)ation of nucleosomal chromatin: electrophoretic and immunofractionation methods. Smulson ME. **Methods Enzymol** 1984;106:512-22

Gamma-radiation induced ADP-ribosyl transferase activity and mammalian longevity. Pero RW, et al. **Mutat Res** 1985 Jan-Feb;142(1-2):69-73

Pertussis toxin inhibition of chemotaxis and the ADP-ribosylation of a membrane protein in a human-mouse hybrid cell line. Backlund PS Jr, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2637-41

Mechanisms of glycosylation and sulfation in the Golgi apparatus: evidence for nucleotide sugar/nucleoside monophosphate and nucleotide sulfate/nucleoside monophosphate antiports in the Golgi apparatus membrane. Capasso JM, et al. **Proc Natl Acad Sci USA** 1984 Nov; 81(22):7051-5

Reversibility of arginine-specific mono(ADP-ribosyl)ation: identification in erythrocytes of an ADP-ribose-L-arginine cleavage enzyme. Moss J, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5603-7

Covalent modification of the iron protein of nitrogenase from Rhodospirillum rubrum by adenosine diphosphoribosylation of a specific arginine residue. Pope MR, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3173-7

[Receptor-adenylate cyclase coupling--receptor-GTP binding protein(N) coupling and ADP-ribosylation of N by bacterial toxins] Katada T, et al. **Tanpakushitsu Kakusan Koso** 1985 Apr;30(4):303-13 (146 ref.) **(Jpn)**

[ADP-ribosylation of histones and NAD-pyrophosphorylase activity of chicken liver nuclei during induction of DNA damage] Khalmuradov AG, et al. **Biokhimiia** 1985 May; 50(5):844-8 (Eng. Abstr.) **(Rus)**

[Dependence of ADP-ribosylation of histones of chicken liver nuclei on the intranuclear content of NAD] Muliavko NA, et al. **Biokhimiia** 1984 Oct;49(10):1623-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition of platelet phosphatidylinositol synthetase by an analog of CDP-diacylglycerol. Vargas LA, et al. **Biochim Biophys Acta** 1984 Nov 14;796(2):123-8

Poly(ADP-ribose) and the recovery from damage in Chinese hamster cells due to 5-bromodeoxyuridine photolysis. Ben-Hur E, et al. **Int J Radiat Biol** 1985 Jul;48(1):33-43

PHYSIOLOGY

ADP-ribosylation. Ueda K, et al. **Annu Rev Biochem** 1985; 54:73-100 (333 ref.)

Decrease in ADP-ribosylation of HeLa non-histone proteins from interphase to metaphase. Adolph KW, et al. **Biochemistry** 1985 Jan 15;24(2):345-52

NUCLEOSIDE MONOPHOSPHATE KINASES see under **PHOSPHOTRANSFERASES, ATP**

NUCLEOSIDE Q see under **GUANOSINE**

NUCLEOSIDES

The interaction of metal ions with nucleic acids. Ternary complexes of copper(II) with peptides and nucleosides. Maskos K. **Acta Biochim Pol** 1985;32(1):13-25

Dehalogenation reactions in fast atom bombardment mass spectrometry. Sethi SK, et al. **Anal Chem** 1984 Sep; 56(11):1975-7

Stereochemical properties of nucleosides alkylated by activated carcinogens. Stezowski JJ, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5555-66

13C- and 31P-NMR studies of the conformation of carcinogen-modified nucleic acid dimers. Box HC, et al. **Chem Biol Interact** 1984 Nov;52(1):93-102

[Simulation of interactions in the co-planar nucleic acid base pairs using atom-atom potential functions] Poltev VI, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1549-61 (Eng. Abstr.) **(Rus)**

ANALYSIS

Nucleoside pools of acyclovir-treated herpes simplex type 1 infected cells. Harmenberg J, et al. **Antiviral Res** 1985 Apr;5(2):75-81

Sites of reaction of glutaraldehyde and acetaldehyde with nucleosides. Hemminki K, et al. **Arch Toxicol** 1984 Sep; 55(3):186-90

Preparative and analytical high-performance liquid chromatographic methods in the synthesis and analysis of decomposition of nitrosourea nucleosides. Brubaker WF Jr, et al. **J Chromatogr** 1985 Apr 10;322(3):455-64

Quantitative reversed-phase high-performance liquid chromatography of major and modified nucleosides in DNA. Gehrke CW, et al. **J Chromatogr** 1984 Sep 28; 301(1):199-219

Quantitative high-performance liquid chromatography of bases and nucleosides in cerebral DNA of rat foetus. Iwasaki S, et al. **J Chromatogr** 1985 May 31;341(1):182-6

Microbore packed-column anion-exchange liquid chromatography of nucleobases, nucleosides and nucleotides. Rokushika S, et al. **J Chromatogr** 1985 Mar 1;320(2):335-42

BLOOD

Uptake of 2-beta-D-ribofuranosylthiazole-4-carboxamide (tiazofurin) and analogues by the facilitated transport mechanism of erythrocytes. Monks A, et al. **Cancer Lett** 1985 Aug;28(1):1-8

[Correlation between intracellular metabolic processes and the functional capacity of lymphocytes] Klinger M. **Acta Haematol Pol** 1984 Jul-Dec;15(3-4):189-93 (26 ref.) **(Pol)**

CHEMICAL SYNTHESIS

Synthesis and antiviral evaluation of nucleosides of 5-methylimidazole-4-carboxamide. Alonso R, et al. **J Med Chem** 1985 Jun;28(6):834-8

DIAGNOSTIC USE

Modified nucleosides and early detection of occupational cancer: a challenge for the future. Fischbein A, et al. **Mt Sinai J Med (NY)** 1985 Jun;52(6):480-3

ISOLATION & PURIFICATION

Separation of nucleosides and nucleotides by reversed-phase high-performance liquid chromatography with volatile buffers allowing sample recovery. Ip CY, et al. **Anal Biochem** 1985 May 15;147(1):180-5

METABOLISM

Evidence that ribavirin is transported in Aedes albopictus cells by the nucleoside transport system. Sherwood A, et al. **Antiviral Res** 1984 Dec;4(6):317-24

Effect of sulfhydryl reagents on nucleoside transport in cultured mammalian cells. Plagemann PG, et al. **Arch Biochem Biophys** 1984 Sep;233(2):489-500

Reactivity of hydroxyl and hydroxyl-like radicals discriminated by release of thiobarbituric acid-reactive material from deoxy sugars, nucleosides and benzoate. Gutteridge JM. **Biochem J** 1984 Dec 15;224(3):761-7

Nitrobenzylthioinosine-sensitive and -resistant nucleoside transport in normal and transformed rat cells. Plagemann PG, et al. **Biochim Biophys Acta** 1985 Jun 27;816(2):387-95

Metabolic phosphorylation and excretion of some nucleoside analogues in insects. Holý A, et al. **Biol Chem Hoppe Seyler** 1985 Apr;366(4):355-9

Heterogeneity of high affinity nitrobenzylthioinosine binding sites in mammalian cortical membranes: multiple forms of central nervous system nucleoside transporters? Hammond JR, et al. **Can J Physiol Pharmacol** 1984 Aug;62(8):961-3

Effect of 2-beta-D-ribofuranosylthiazole-4-carboxamide on uptake of nucleosides by cultured L1210 cells. Karle JM, et al. **Cancer Lett** 1984 Aug;24(1):11-8

Inhibitory effects of dipyridamole on growth, nucleoside incorporation, and platelet-activating capability in the U87MG and SKNMC human tumor cell lines. Bastida E, et al. **Cancer Res** 1985 Sep;45(9):4048-52

Defective facilitated diffusion of nucleosides, a primary mechanism of resistance to 5-fluoro-2'-deoxyuridine in the HCT-8 human carcinoma line. Sobrero AF, et al. **Cancer Res** 1985 Jul;45(7):3155-60

Altered nucleoside transporters in mammalian cells selected for resistance to the physiological effects of inhibitors of nucleoside transport. Aronow B, et al. **J Biol Chem** 1985 May 25;260(10):6226-33

Characterization of mouse lymphoma cells with altered nucleoside transport. Cohen A, et al. **J Cell Physiol** 1985 Jun;123(3):431-4

Species differences in the binding of [3H]nitrobenzylthioinosine to the nucleoside transport system in mammalian central nervous system membranes: evidence for interconvertible conformations of the binding site/transporter complex. Hammond JR, et al. **J Neurochem** 1985 Aug;45(2):527-35

Photoaffinity labelling of benzodiazepine receptors: lack of effect on ligand binding to the nucleoside transport system. Hammond JR. **J Neurochem** 1985 Oct;45(4):1327-30

[3H]nitrobenzylthioinosine binding to the guinea pig CNS nucleoside transport system: a pharmacological characterization. Hammond JR, et al. **J Neurochem** 1984 Dec;43(6):1582-92

Characterization of nitrobenzylthioinosine binding to nucleoside transport sites selective for adenosine in rat brain. Geiger JD, et al. **J Neurosci** 1985 Mar;5(3):735-40

Effect of nucleotide and nucleoside mixture on rats given total parenteral nutrition after 70% hepatectomy. Ogoshi S, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun; 9(3):339-42

Conference on nucleosides and lymphocytes. **Proc Soc Exp Biol Med** 1985 Sep;179(4):413-508

Incorporation of 3H-labeled nucleosides and 3H-labeled deoxynucleosides into detergent soluble DNA. Strauss PR. **Proc Soc Exp Biol Med** 1985 Sep;179(4):487-91

PHARMACODYNAMICS

Effects of nucleosides and nucleotides on tracheal tone. Lundblad KA, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Sep;55(3):260-2

Comparative efficacy and selectivity of some nucleoside analogs against Epstein-Barr virus. Lin JC, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):971-3

Induction of mutation and chromosome damage by excess bases and nucleosides. Anderson D. **Basic Life Sci** 1985; 31:283-95

Inactivation of S-adenosylhomocysteine hydrolase by nucleosides. Kim IY, et al. **Biochim Biophys Acta** 1985 Jun 10;829(2):150-5

Is ribonucleotide reductase in Ehrlich ascites mammary tumour cells the target of a growth inhibitor purified from bovine mammary gland? Langen P, et al. **Biomed Biochim Acta** 1984;43(12):1377-83

Inhibition of sialyltransferases of murine lymphocytes by disaccharide nucleosides. Kijima-Suda I, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):730-9

Mildiomycin: a nucleoside antibiotic that inhibits protein synthesis. Feduchi E, et al. **J Antibiot (Tokyo)** 1985 Mar; 38(3):415-9

Synergism between recombinant human interferon and nucleoside antiviral agents against herpes simplex virus: examination with an automated microtiter plate assay. Moran DM, et al. **J Infect Dis** 1985 Jun;151(6):1116-22

Molecular bases for the action and selectivity of nucleoside antibiotics. Carrasco L, et al. **Med Res Rev** 1984 Oct-Dec; 4(4):471-512 (252 ref.)

[Analogs of natural nucleosides and their 5'-triphosphates carrying the amino group in 3'-position--highly effective inhibitors of replication, repair and transcription] Kraevskii AA, et al. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):173-6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Nucleosides and lymphocytes--an overview. Strauss PR, et al. **Proc Soc Exp Biol Med** 1985 Sep;179(4):413-8

THERAPEUTIC USE

The relative merits and drawbacks of new nucleoside analogues with clinical potential. Oberg B, et al. **J Antimicrob Chemother** 1984 Aug;14 Suppl A:5–26 (49 ref.)

Purine analogs and related nucleosides and nucleotides as antitumor agents. Robins RK, et al. **Med Res Rev** 1985 Jul–Sep;5(3):273–96 (117 ref.)

TOXICITY

Pleiotropic mutants of Chinese hamster cells with altered cytidine 5'-triphosphate synthetase. Chu EH, et al. **Biochem Genet** 1984 Aug;22(7–8):701–15

URINE

Direct liquid introduction LC/MS microbore experiments for the analysis of nucleoside material present in human urine. Esmans EL, et al. **Biomed Mass Spectrom** 1985 May;12(5):241–5

Modified nucleosides in asbestos workers at high risk of malignant disease: results of a preliminary study applying discriminant analysis. Solomon SJ, et al. **Br J Ind Med** 1985 Aug;42(8):560–2

Excretion of modified nucleosides during development of malignant lymphomas in mice after whole body irradiation. Thomale J, et al. **J Cancer Res Clin Oncol** 1984;108(3):302–7

NUCLEOSOMES

Reconstitution of nucleosomes containing dinitrophenylated histones. MacDonald HS, et al. **Biochem J** 1985 Apr 1;227(1):125–8

Nucleosome disruption precedes transcription and is largely limited to the transcribed domain of globin genes in murine erythroleukemia cells. Cohen RB, et al. **J Mol Biol** 1985 Mar 5;182(1):109–29

A model chromatin assembly system. Factors affecting nucleosome spacing. Stein A, et al. **J Mol Biol** 1984 Sep 15;178(2):341–63

Torsional properties of DNA in chromatin. Cantor CR, et al. **Prog Clin Biol Res** 1985;172A:3–18

Crystallographic structure of the octamer histone core of the nucleosome [letter] **Science** 1985 Sep 13;229(4718):1109–13

[The role of H2B histones from the sea urchin sperm in the formation of supranucleosome structures] Zalenskaia IA, et al. **Mol Biol (Mosk)** 1985 May–Jun;19(3):774–83 (Eng. Abstr.) **(Rus)**

ANALYSIS

Contribution of histones H2A and H2B to the folding of nucleosomal DNA. Jordano J, et al. **Biochemistry** 1984 Sep 11;23(19):4285–9

Conformation of the HMG17-nucleosome complex. Zama M, et al. **Biochim Biophys Acta** 1984 Oct 5;783(1):100–4

Lack of nucleosomal structure in a DNase-I-solubilized transcriptionally active chromatin fraction of Physarum polycephalum. Czupryn M, et al. **Eur J Biochem** 1985 Mar 15;147(3):575–80

Neuronal nuclei and glial nuclei from mammalian cerebral cortex. Nucleosome repeat lengths, DNA contents and H1 contents. Pearson EC, et al. **Eur J Biochem** 1984 Oct 15;144(2):353–60

Influence of histone H5 on mononucleosome structure during differentiation in the avian erythroid series. Haye KR, et al. **Exp Cell Res** 1985 Apr;157(2):504–10

The involvement of nucleosomes in Giemsa staining of chromosomes. A new hypothesis on the banding mechanism. van Duijn P, et al. **Histochemistry** 1985;82(4):363–76

Histone complements of human tissues, carcinomas, and carcinoma-derived cell lines. Gabrielli F, et al. **Mol Cell Biochem** 1984 Nov;65(1):57–66

Developmental changes in the synthesis of nonhistone nuclear proteins relative to the appearance of a short nucleosomal DNA repeat length in cerebral hemisphere neurons. Ivanov TR, et al. **Neurochem Res** 1984 Sep;9(9):1323–37

Primary organization of nucleosomal core particles is invariable in repressed and active nuclei from animal, plant and yeast cells. Bavykin SG, et al. **Nucleic Acids Res** 1985 May 24;13(10):3439–59

[New immunochemical method of localizing proteins on DNA. The primary organization of nucleosomes containing proteins HMG 14 and 17] Shik VV, et al. **Dokl Akad Nauk SSSR** 1984;279(5):1254–6 **(Rus)**

[Primary organization of nucleosome core particles in active and repressed nuclei] Bavykin SG, et al. **Mol Biol (Mosk)** 1985 Jan–Feb;19(1):144–61 (Eng. Abstr.) **(Rus)**

[Structural-functional organization of the SV40 virus chromosome. III. Nucleosome organization of free mini-chromosomes] Nedospasov SA, et al. **Mol Biol (Mosk)** 1984 Jul–Aug;18(4):1099–110 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Sequential ADP-ribosylation pattern of nucleosomal histones. ADP-ribosylation of nucleosomal histones. Huletsky A, et al. **Eur J Biochem** 1985 Jan 15;146(2):277–85

IMMUNOLOGY

Kinetochore components recognized by human autoantibodies are present on mononucleosomes. Palmer DK, et al. **Mol Cell Biol** 1985 Jan;5(1):173–86

METABOLISM

The role of HMG1 protein in nucleosome assembly and in chromatin replication. Bonne-Andrea C, et al. **Adv Exp Med Biol** 1984;179:479–88

Undermethylation of DNA in mononucleosomes solubilized by micrococcal nuclease digestion of HeLa cell nuclei. Hatayama T, et al. **Biochem Int** 1984 Aug;9(2):251–8

Regulation of nucleosomal core histone variant levels in differentiating murine erythroleukemia cells. Grove GW, et al. **Biochemistry** 1984 Sep 11;23(19):4436–43

Association of poly(adenosine diphosphate ribosylated) nucleosomes with transcriptionally active and inactive regions of chromatin. Hough CJ, et al. **Biochemistry** 1984 Oct 9;23(21):5016–23

Exchange of histones H1, H2A, and H2B in vivo. Louters L, et al. **Biochemistry** 1985 Jun 18;24(13):3080–5

A relationship between nuclear poly(adenosine diphosphate ribosylation) and acetylation posttranslational modifications. 1. Nucleosome studies. Malik N, et al. **Biochemistry** 1984 Jul 31;23(16):3721–5

The effect of histone H1 on the compaction of oligonucleosomes. A quasielastic light scattering study. Marion C, et al. **Biophys Chem** 1985 Jun;22(1–2):53–64

Reconstitution experiments show that sequence-specific histone-DNA interactions are the basis for nucleosome phasing on mouse satellite DNA. Linxweller W, et al. **Cell** 1985 Aug;42(1):281–90

Assembly of oligonucleosomes into a limit series of multimeric higher-order chromatin structures. Muyldermans S, et al. **Eur J Biochem** 1985 Aug 1;150(3):441–6

Time course of polynucleosome relaxation and ADP-ribosylation. Correlation between relaxation and histone H1 hyper-ADP-ribosylation. Niedergang CP, et al. **Eur J Biochem** 1985 Jan 2;146(1):185–91

Fractionation of newly replicated nucleosomes by density labeling and rate zonal centrifugation for the analysis of the deposition sites of newly synthesized nucleosomal core histones. Senshu T, et al. **Eur J Biochem** 1985 Aug 1;150(3):575–80

Evidence for similar structural changes on binding of platinum anti-tumor agents to DNA and nucleosomes. Marzilli LG, et al. **FEBS Lett** 1984 Oct 29;176(2):389–92

Evidence for the association of core histones with poly(U) to nucleosome-like complexes. Klump HH, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jun;365(6):661–5

Preferential localization of variant nucleosomes near the 5'-end of the mouse dihydrofolate reductase gene. Barsoum J, et al. **J Biol Chem** 1985 Jun 25;260(12):7688–97

Poly(ADP-ribosyl)ation of nucleosomal chromatin: electrophoretic and immunofractionation methods. Smulson ME. **Methods Enzymol** 1984;106:512–22

Nucleosomal organization of a part of chromatin in mollusc sperm nuclei with a mixed basic protein composition. Zalensky AO, et al. **Mol Biol Rep** 1984 Dec;10(2):69–74

Binding of the glucocorticoid receptor complex to the nucleosomal core in the P1798 mouse lymphosarcoma. Ip MM, et al. **Mol Cell Endocrinol** 1985 Jun;41(1):45–59

Eukaryotic ternary transcription complexes: transcription complexes of RNA polymerase II are associated with histone-containing, nucleosome-like particles in vivo. Sargan DR, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):3805–22

Nucleosome core particles suppress the thermal untwisting of core DNA and adjacent linker DNA. Morse RH, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4653–7

[Role of supranucleosomal structures of chromatin in the uneven distribution of DNA-bound 7,12-dimethylbenz(a)anthracene metabolites formed in vivo or in the perfused rat liver] Chekulaev VA, et al. **Biokhimiia** 1984 Sep;49(9):1515–22 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Chromatin dynamics. Fast and slow modes of nucleosome movement revealed through psoralen binding and repair. Cleaver JE. **Biochim Biophys Acta** 1985 Feb 20;824(2):163–73

Dispersive segregation of nucleosomes during replication of simian virus 40 chromosomes. Cusick ME, et al. **J Mol Biol** 1984 Sep 15;178(2):249–71

Simian virus 40 replication pause sites map with the nucleosomes. Trifonov EN, et al. **J Virol** 1984 Dec;52(3):1011–2

Genetic rearrangement of DNA induces knots with a unique topology: implications for the mechanism of synapsis and crossing-over. Griffith JD, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3124–8

RADIATION EFFECTS

[Internucleosomal fragmentation of nuclear DNA in the mucosa of the small intestine and in bone marrow cells of irradiated rats] Korol' BA, et al. **Radiobiologiia** 1984 Sep–Oct;24(5):646–9 (Eng. Abstr.) **(Rus)**

[Postradiation inhibition of poly ADP ribose polymerase is not determined by internucleosomal fragmentation of DNA] Nelipovich PA, et al. **Radiobiologiia** 1985 Jan–Feb;25(1):7–11 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Presence of nucleosomal repeat in the transcribed alpha globin gene of induced murine erythroleukemia cells. Kirov N, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):364–71

Rearrangement of nucleosomal components by modification of histone amino groups. Structural role of lysine residues. Jordano J, et al. **Biochemistry** 1984 Sep 11;23(19):4280–4

Assembly and characterization of nucleosomal cores on B- vs. Z-form DNA. Miller FD, et al. **Biochemistry** 1985 Jan 1;24(1):102–9

Comparison of the active and inactive chromatin structures of genes transcribed by RNA polymerases I and II. Lohr DE. **Cell Biophys** 1984 Jun;6(2):87–102

The layered organization of nucleosomes in 30 nm chromatin fibers. Subirana JA, et al. **Chromosoma** 1985;91(5):377–90

A defined structure of the 30 nm chromatin fibre which accommodates different nucleosomal repeat lengths. Butler PJ. **EMBO J** 1984 Nov;3(11):2599–604

A 145-base pair DNA sequence that positions itself precisely and asymmetrically on the nucleosome core. Ramsay N, et al. **EMBO J** 1984 Nov;3(11):2605–11

H1 histone, polylysine and spermine facilitate nucleosome assembly in vitro. Bogdanova ES. **FEBS Lett** 1984 Oct 1;175(2):321–4

Association-dissociation of histone oligomers. A spin label study. Mañosa J, et al. **Int J Pept Protein Res** 1984 Dec;24(6):533–42

Reconstitution of compact polynucleosomes and comparison of the functions of histones H1 and H5. Takashima K, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1071–8

Dissociation of nucleosomal particles by chemical modification. Equivalence of the two binding sites for H2A.H2B dimers. Jordano J, et al. **J Biol Chem** 1985 Aug 5;260(16):9382–4

Supranucleosomal fiber loops of chicken erythrocyte chromatin. Seki S, et al. **J Electron Microsc (Tokyo)** 1984;33(2):178–81

Structure of the nucleosome core particle at 7 A resolution. Richmond TJ, et al. **Nature** 1984 Oct 11–17;311(5986):532–7

Local protein-DNA interactions may determine nucleosome positions on yeast plasmids. Thoma F, et al. **Nature** 1985 May 16–22;315(6016):250–2

Reconstitution of mononucleosomes: characterization of distinct particles that differ in the position of the histone core. Linxweiler W, et al. **Nucleic Acids Res** 1984 Dec 21;12(24):9395–413

Crystallographic structure of the octameric histone core of the nucleosome at a resolution of 3.3 A. Burlingame RW, et al. **Science** 1985 May 3;228(4699):546–53

Nucleosome reconstruction via phosphorus mapping. Harauz G, et al. **Science** 1984 Nov 23;226(4677):936–40

[Effect of the supranucleosomal chromatin organization on histone-DNA interrelations] Paponov VD, et al. **Biull Eksp Biol Med** 1985 May;99(5):590–2 (Eng. Abstr.) **(Rus)**

NUCLEOTIDASES

ANALYSIS

The distributions of 5'-nucleotidase and adenosine A1 receptors: evidence for diversification and conservation in the hippocampi of several commonly employed experimental animals. Lee KS, et al. **Acta Histochem [Suppl] (Jena)** 1985;31:47–51

Vitamin A, dehydroepiandrosterone (DHEA) and 5' nucleotidase: regulatory factors in tumor growth. Regelson W. **Cancer Invest** 1985;3(4):407–9

Effect of dimethylsulfoxide and butyrate on 5'-nucleotidase of human renal carcinoma cells. Prager MD, et al. **Cancer Lett** 1984 Aug;24(1):81–8

Changes in 5'-nucleotidase and adenosine deaminase distribution across the rat left ventricle wall during growth and aging. De Tata V, et al. **Exp Gerontol** 1985;20(1):47–51

The presence and orientation of ecto-5'-nucleotidase in rat liver lysosomes. Maguire GA, et al. **FEBS Lett** 1985 Jan 21;180(1):122–6

Cationic activators and inhibitors of 5'-nucleotidase in hepatic microsomes. Lin RH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jun;83(6):535–41

[5'-nucleotidase activity in the organs of cattle, sheep and swine] Goranov Kh. **Vet Med Nauki** 1984;21(10):37–41 (Eng. Abstr.) **(Bul)**

ANTAGONISTS & INHIBITORS

Is theophylline-induced seizures in man caused by inhibition of cerebral 5'-nucleotidase activity? Jensen MH, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Oct;55(4):331–4

5'-Nucleotidase from rat heart membranes. Inhibition by adenine nucleotides and related compounds. Naito Y, et al. **Biochem J** 1985 Mar 15;226(3):645–51

Transmembrane modulation of the concanavalin A inhibition of 5'-nucleotidase is not due to a direct association of the enzyme with the cytoskeleton. Craik JD, et al. **Biochim Biophys Acta** 1985 Apr 22;845(1):27–33

A new 5'-nucleotidase inhibitor, nucleoticidin. I. Taxonomy, fermentation, isolation and biological properties. Ogawara H, et al. **J Antibiot (Tokyo)** 1985 Feb;38(2):153-6

New 5'-nucleotidase inhibitors, melanocidin A and melanocidin B. I. Taxonomy, fermentation, isolation and biological properties. Ogawara H, et al. **J Antibiot (Tokyo)** 1985 May;38(5):587-91

A new 5'-nucleotidase inhibitor, nucleoticidin. II. Physico-chemical properties and structure elucidation. Uchino K, et al. **J Antibiot (Tokyo)** 1985 Feb;38(2):157-60

New 5'-nucleotidase inhibitors, melanocidin A and melanocidin B. II. Physico-chemical properties and structure elucidation. Uchino K, et al. **J Antibiot (Tokyo)** 1985 May;38(5):592-8

Parasite-specific inhibition of 5'-nucleotidase from Onchocerca volvulus and Dirofilaria immitis by the amoscanate-derivative CGP 8065. Walter RD, et al. **Mol Biochem Parasitol** 1985 Aug;16(2):109-15

BIOSYNTHESIS

Ecto-5'-nucleotidase. II. Effect of 12-O-tetradecanoylphorbol 13-acetate on the expression of enzyme in normal and neoplastic B-cell lines. Hibi T, et al. **JNCI** 1984 Nov;73(5):1081-5

Ecto-5'-nucleotidase. I. Expression in human normal and neoplastic lymphoid cell lines representing sequential stages of B-cell differentiation. SenGupta S, et al. **JNCI** 1984 Nov;73(5):1075-80

BLOOD

Value of serum-5-nucleotidase, alkaline phosphatase and gamma-glutamyl transferase for prediction of liver metastases preoperatively in colorectal cancer. Jönsson PE, et al. **Acta Chir Scand** 1984;150(5):419-23

Serum 5'-nucleotidase in patients receiving anti-epileptic drugs. Fortman CS, et al. **Am J Clin Pathol** 1985 Aug; 84(2):197-201

Characterization of different molecular forms of 5'-nucleotidase in normal serum and in serum from cholestatic patients and bile-duct-ligated rats. Chuang NN, et al. **Biochem J** 1984 Dec 15;224(3):689-95

Nucleotidase activities of human peripheral lymphocytes. Burgess FW, et al. **Biochem Pharmacol** 1985 Sep 1; 34(17):3061-70

The heterogeneity of 5'-nucleotidase activity in lymphoblasts of acute lymphoblastic leukemia, demonstrated by an improved cytochemical method. Pangalis GA, et al. **Biomed Pharmacother** 1984;38(9-10):444-8

Decreased ecto-5'nucleotidase activity of peripheral blood lymphocytes in human monoclonal gammopathies: correlation with tumor cell kinetics. Massaia M, et al. **Blood** 1985 Mar;65(3):530-4

Decreased 5' nucleotidase activity in lymphocytes from asymptomatic sexually active homosexual men and patients with the acquired immune deficiency syndrome. Murray JL, et al. **Blood** 1984 Nov;64(5):1016-21

Serial serum 5'-nucleotidase and S.G.O.T. levels in acute myocardial infarction. Singh A, et al. **Indian J Med Sci** 1985 Jan;39(1):1-4

Erythrocyte pyrimidine 5'-nucleotidase activity in workers exposed to lead, mercury or cadmium. Mohammed-Brahim B, et al. **Int Arch Occup Environ Health** 1985;55(3):247-52

Assay of human erythrocyte pyrimidine and deoxypyrimidine 5'-nucleotidase by isocratic reversed-phase high-performance liquid chromatography. Cook L, et al. **J Chromatogr** 1985 May 3;339(2):293-301

Redistribution of ecto-5'-nucleotidase during phagocytosis by guinea pig polymorphonuclear leukocytes. Cramer E, et al. **J Leukocyte Biol** 1984 Oct;36(4):463-75

Nucleoside phosphorylase: a zinc metalloenzyme and a marker of zinc deficiency. **Nutr Rev** 1984 Aug;42(8):279-81 (10 ref.)

Erythrocyte pyrimidine-5'-nucleotidase activity as a sensitive indicator of lead exposure. Torrance JD, et al. **S Afr Med J** 1985 May 25;67(21):850-2

[Usefulness of 5'-nucleotidase in the clinical diagnosis of liver diseases] Sawaryn T, et al. **Pol Tyg Lek** 1984 Nov 19; 39(47):1525-9 (Eng. Abstr.) **(Pol)**

[Circulating immune complexes and ribonuclease and 5'-nucleotidase activity in the blood of women with threatened abortion treated with acupuncture-reflexotherapy] Ksendzov LI, et al. **Akush Ginekol (Mosk)** 1984 Dec;(12):36-7 (Eng. Abstr.) **(Rus)**

[Changes in 5-nucleotidase activity in viral hepatitis] Radzevich IM, et al. **Vrach Delo** 1984 Aug;(8):112-4 (Eng. Abstr.) **(Rus)**

DEFICIENCY

ATP, ADP and AMP in plasma from peripheral venous blood. Harkness RA, et al. **Clin Chim Acta** 1984 Nov 15; 143(2):91-8

Hemolytic anemia in hereditary pyrimidine 5'-nucleotidase deficiency. II. Effect of pyrimidine nucleotides and their derivatives on glycolytic and pentose phosphate shunt enzyme activity. Oda E, et al. **Clin Chim Acta** 1984 Aug 31;141(2-3):93-100

Adenosine uptake in pyrimidine 5'-nucleotidase deficient human erythrocytes via a high affinity transport system. Kagimoto T, et al. **Experientia** 1985 Mar 15;41(3):366-8

Haemolytic anaemia due to pyrimidine-5'-nucleotidase deficiency. Dvilansky A, et al. **Int J Tissue React** 1984; 6(4):351-4

Age-related red cell enzymes in children with transient erythroblastopenia of childhood and with hemolytic anemia. Beutler E, et al. **Pediatr Res** 1985 Jan;19(1):44-7

ISOLATION & PURIFICATION

Isolation and kinetic properties of 5'-nucleotidase from guinea-pig skeletal muscle. Camici M, et al. **Biochim Biophys Acta** 1985 May 29;840(1):6-12

Partial purification and some properties of a 5'-nucleotidase from chicken liver with activity toward pyrimidine nucleoside monophosphates. Calvaruso G, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30;61(3):335-41

An improved procedure for purifying 5'-nucleotidase from various sources. Evidence for tissue and species differences in their molecular mass and affinity for F-actin. Dieckhoff J, et al. **Eur J Biochem** 1985 Sep 2;151(2):377-83

Isolation of 5'-nucleotidase from chicken gizzard, its properties, and subcellular localization in chicken tissues using monospecific antibodies. Heidemann M, et al. **Eur J Cell Biol** 1985 May;37:122-9

Isozymes of human erythrocyte pyrimidine 5'-nucleotidase--chromatographic separation and their properties. Hirono A, et al. **Jpn J Exp Med** 1985 Feb; 55(1):37-44

METABOLISM

The membrane-bound alkaline phosphatase and 5'-nucleotidase activities of vegetative cells of Dictyostelium discoideum. Bhanot P, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):497-505

Formation of N tau-ribosylhistidine, a novel histidine derivative found in the urine in histidinemia, from histidine and NAD(P)+ catalyzed by an NAD(P)+ glycohydrolase system. Imamura I, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):501-7

Dephosphorylation of nitrobenzylthioinosine 5'-monophosphate by ecto 5'-nucleotidase of HeLa cells. Ogbunude PO, et al. **Biochem Pharmacol** 1984 Nov 15; 33(22):3561-6

5'-Nucleotidase activity of isolated mature rat cardiac myocytes. Bowditch J, et al. **Biochim Biophys Acta** 1985 Apr 22;845(1):21-6

The interaction of 5'-nucleotidase purified from chicken gizzard and actin, and the reversible loss of the inhibitory capacity of actin on deoxyribonuclease I. Dieckhoff J, et al. **Biochim Biophys Acta** 1985 Jun 10;829(2):209-20

Effects of dithiothreitol, dithioerythritol and chelating agents on 5'-nucleotidase from bull seminal plasma. Fini C, et al. **Biochim Biophys Acta** 1985 Mar 1;827(3):403-9

5'-Nucleotidase activities in human fetus. Amano S, et al. **Biol Neonate** 1985;47(5):253-8

Lack of correlation between two markers of lymphocyte differentiation: 5' nucleotidase activity and T lymphocyte colony formation. Freeman LA, et al. **Blut** 1984 Nov; 49(5):389-93

Immunocytochemical localization of 5'-nucleotidase in oligodendroglia and myelinated fibers in the central nervous system of adult and young rats. Cammer W, et al. **Brain Res** 1985 May;352(1):89-96

Membrane-bound 5'-nucleotidase in marine luminous bacteria: biochemical and immunological properties. Bengis-Garber C. **Can J Microbiol** 1985 Jun;31(6):543-8

Effects of 4-hydroxynonenal on adenylate cyclase and 5'-nucleotidase activities in rat liver plasma membranes. Paradisi L, et al. **Chem Biol Interact** 1985 Feb-Apr; 53(1-2):209-17

Surface markers, 5'-nucleotidase activity, and in vitro functions of lymphocytes from patients with primary humoral immunodeficiency. Morell A, et al. **Clin Immunol Immunopathol** 1985 Apr;35(1):9-21

Evidence for existence of a cytosol 5'-nucleotidase in chicken heart: comparison of some properties of heart and liver enzymes. Itoh R, et al. **Comp Biochem Physiol [B]** 1985; 81(1):159-63

Investigation of the preferred Mg(II)-adenine-nucleotide complex at the active site of ectonucleotidases in intact vascular cells using phosphorothioate analogues of ADP and ATP. Pearson JD, et al. **Eur J Biochem** 1985 Sep 2; 151(2):373-5

Influence of surface-active food additives on the integrity and permeability of rat intestinal mucosa. Tagesson C, et al. **Food Chem Toxicol** 1984 Nov;22(11):861-4

5-Nucleotidase activity in isolated follicular dendritic cells. Heinen E, et al. **Immunol Lett** 1985;9(2-3):75-80

Comparison of 5'-nucleotidase activities of isolated plasma membranes of two ascites cell variants. Haeffner EW, et al. **Int J Biochem** 1984;16(12):1245-50

Kinetics of pulmonary angiotensin-converting enzyme and 5'-nucleotidase in vivo. Catravas JD, et al. **J Appl Physiol** 1984 Oct;57(4):1173-81

Ectoenzyme release from rat liver and kidney by phosphatidylinositol-specific phospholipase C. Taguchi R, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):911-21

Subpopulations of fibroblasts from mouse skeletal muscle defined by clonal variation for 5' nucleotidase expression. Turker MS, et al. **J Cell Physiol** 1985 Feb;122(2):171-7

Histochemical mapping of ATPase and 5'-nucleotidase in the telencephalon and diencephalon of mouse. Tanwar RK, et al. **J Hirnforsch** 1984;25(5):511-26

beta-NADPHase- and TMPase-positive 'snake-like tubules' in the exocrine pancreas: cytochemical and immunocytochemical studies. Beaudoin AR, et al. **J Histochem Cytochem** 1985 Jun;33(6):569-75

Reduced ecto-5'-nucleotidase activity and enhanced OKT10 and HLA-DR expression on CD8 (T suppressor/cytotoxic) lymphocytes in the acquired immune deficiency syndrome: evidence of CD8 cell immaturity. Salazar-Gonzalez JF, et al. **J Immunol** 1985 Sep;135(3):1778-85

Expression of 5'nucleotidase activity and wheat-germ agglutinin binding sites in mononuclear phagocytes from bone marrow cultures. de Water R, et al. **J Leukocyte Biol** 1985 Mar;37(3):263-77

Biochemical studies on 5'-nucleotidase of Schwann cells in degenerated nerve. Ross SM, et al. **J Neurochem** 1985 Jul; 45(1):324-7

Cytochemical localization of 5'-nucleotidase in guinea-pig sympathetic ganglia. Forsman CA, et al. **J Neurocytol** 1984 Jun;13(3):339-49

Thyrotropin increases 5'-nucleotidase activity in primary cultures of porcine thyroid cells. Franc JL, et al. **Mol Cell Endocrinol** 1984 Oct;37(3):257-61

Changes of 5'-nucleotidase activity in cultured glioma cells. Amano S, et al. **Neuropathol Appl Neurobiol** 1985 May-Jun; 11(3):161-70

A specific harmaline-evoked increase in cerebellar 5'-nucleotidase activity. Balaban CD, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):111-6

Influence of cholesterol oxidation derivatives on membrane bound enzymes in cultured aortic smooth muscle cells. Peng SK, et al. **Proc Soc Exp Biol Med** 1985 Oct; 180(1):126-32

Inosine 5'-monophosphate vs inosine and hypoxanthine as substrates for purine salvage in human lymphoid cells. Thompson LF. **Proc Soc Exp Biol Med** 1985 Sep; 179(4):432-6

Distribution of 5'-nucleotidase in the tissues of sheep and the effect of kidney and liver lesions on the activity of the enzyme in plasma and urine. Ford EJ, et al. **Res Vet Sci** 1985 Jul;39(1):103-9

Enzyme regulation in a trypanosomatid: effect of purine starvation on levels of 3'-nucleotidase activity. Gottlieb M. **Science** 1985 Jan 4;227(4682):72-4

[Modification of splenic 5'-nucleotidase activity during proliferative processes in the spleen. Histoenzymatic study in the rat] Chalet M, et al. **Bull Assoc Anat (Nancy)** 1984 Jun;68(201):145-56 (Eng. Abstr.) **(Fre)**

[Localization of nucleoside phosphatases in the antral follicle of the guinea pig ovary] Mardanova GV, et al. **Arkh Anat Gistol Embriol** 1985 Mar;88(3):89-92 (Eng. Abstr.) **(Rus)**

[Role of adenylate kinase, AMP deaminase and 5'-nucleotidase in the metabolism of adenylic nucleotides] Litovchenko IN, et al. **Biokhimiia** 1984 Aug;49(8):1248-52 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cytoplasmic 5'-nucleotidase catalyzes acyclovir phosphorylation. Keller PM, et al. **J Biol Chem** 1985 Jul 25;260(15):8664-7

Ecto-5'-nucleotidase can provide the total purine requirements of mitogen-stimulated human T cells and rapidly dividing human B lymphoblastoid cells. Thompson LF. **J Immunol** 1985 Jun;134(6):3794-7

PHYSIOLOGY

Biochemical modeling of an autonomously oscillatory circadian clock in Euglena. Goto K, et al. **Science** 1985 Jun 14;228(4705):1284-8

[Interrelation of 5'-nucleotidase separated from thymocytes by heating and receptors responsible for interaction with autologous erythrocytes] Bezvershenko IA, et al. **Fiziol Zh** 1985 May-Jun;31(3):282-7 (Eng. Abstr.) **(Rus)**

NUCLEOTIDE DEAMINASES

BLOOD

Deoxycytidylate deaminase in the diagnosis of acute myocardial infarction. Georgiades C, et al. **Acta Cardiol (Brux)** 1985;40(2):247-54

Kinetics of the inhibition by naphtholsulfonate compounds of AMP deaminase from chicken erythrocytes. Yoshino M, et al. **Biochim Biophys Acta** 1984 Dec 21;791(3):364-9

Erythrocyte membrane associated enzymes of hemolytic anemias: ATPases, AMP deaminase and GAPD. Asai T, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Feb;48(1):12-21

DEFICIENCY

Myoadenylate deaminase deficiency: inherited and acquired forms. Fishbein WN. **Biochem Med** 1985 Apr;33(2):158-69

Deoxyribonucleoside triphosphate metabolism and the mammalian cell cycle. Effects of thymidine on wild-type and dCMP deaminase-deficient mouse S49 T-lymphoma cells. Eriksson S, et al. **Exp Cell Res** 1984 Nov; 155(1):129-40

Myalgic encephalomyelitis hypothesis [letter] Staines D. **Med J Aust** 1985 Jul 22;143(2):91

GENETICS

Expression of several amplified genes in an adenylate-deaminase overproducing variant of Chinese hamster fibroblasts. Debatisse M, et al. **EMBO J** 1984 Dec 20;3(13):3123–7

METABOLISM

Influence of acidosis on AMP deaminase activity in contracting fast-twitch muscle. Dudley GA, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C43–50

Role of AMP deaminase reaction in the control of fructose 1,6-bisphosphatase activity in yeast. Yoshino M, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):1020–4

Interaction with troponin T from white skeletal muscle restores in white skeletal muscle AMP deaminase those allosteric properties removed by limited proteolysis. Ranieri-Raggi M, et al. **Biochim Biophys Acta** 1985 Jan 21;827(1):93–100

Regulation of trout gill AMP deaminase by lipid bilayers. Effects of phospholipid composition and temperature. Raffin JP, et al. **Comp Biochem Physiol [B]** 1985; 80(4):685–92

AMP deaminase from the gill of Salmo gairdnerii Richardson: effects of anions, cations and buffers. Raffin JP. **Comp Biochem Physiol [B]** 1984;79(3):499–504

Modification of the catalytic and regulatory properties of beef heart AMP-deaminase by DTNB treatment. Składanowski A, et al. **Int J Biochem** 1985;17(1):139–42

SAMP lyase and AMP deaminase activity in rat parenchymal and kupffer cells in hepatocarcinogenesis. Smith LD, et al. **Int J Biochem** 1984;16(9):985–90

AMP deaminase reaction as a control system of glycolysis in yeast. Role of ammonium ion in the interaction of phosphofructokinase and pyruvate kinase activity with the adenylate energy charge. Yoshino M, et al. **J Biol Chem** 1985 Apr 25;260(8):4729–32

Purine metabolizing enzymes of lymphocyte cell populations: correlation between AMP-deaminase activity and dATP accumulation in murine lymphocytes. Dornand J, et al. **Proc Soc Exp Biol Med** 1985 Sep;179(4):448–55

[Role of adenylate kinase, AMP deaminase and 5'-nucleotidase in the metabolism of adenylic nucleotides] Litovchenko IN, et al. **Biokhimiia** 1984 Aug;49(8):1248–52 (Eng. Abstr.) **(Rus)**

NUCLEOTIDES

Nucleotide aggregation in aqueous solution. A multicomponent self-diffusion study. Rymdén R, et al. **Biophys Chem** 1985 Feb;21(2):145–56

Stereospecificity for nicotinamide nucleotides in enzymatic and chemical hydride transfer reactions. You KS. **CRC Crit Rev Biochem** 1985;17(4):313–451 (291 ref.)

Abstracts of papers presented at the meeting of the group 'Nucleotides and Nucleic Acids' of the Italian Biochemical Society. June 8, 1984. **Ital J Biochem** 1985 Mar–Apr; 34(2):111A–49A

Altering the hydrogen bond equilibrium in nucleotide base pairs. Buchet R, et al. **Prog Clin Biol Res** 1985;172B:25–35

ANALYSIS

Nucleotide sequences of the genes for Escherichia coli heat-stable enterotoxin I of bovine, avian, and porcine origins. Sekizaki T, et al. **Am J Vet Res** 1985 Apr; 46(4):909–12

A spectrophotometric resin competition procedure to determine dissociation constants for metal ion-nucleotide complexes. Jenkins WT. **Anal Biochem** 1985 Mar; 145(2):362–6

Single-run high-performance liquid chromatography of nucleotides, nucleosides, and major purine bases and its application to different tissue extracts. Wynants J, et al. **Anal Biochem** 1985 Jan;144(1):258–66

Mode of action of ribavirin: effect of nucleotide pool alterations on influenza virus ribonucleoprotein synthesis. Wray SK, et al. **Antiviral Res** 1985 Feb;5(1):29–37

Effects of diazinon on nucleotide and amino acid contents of chick embryos. Teratogenic considerations. Kushaba-Rugaaju S, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1937–43

Fast atom bombardment mass spectrometry of metal nucleotide complexes. Brewer G, et al. **Biomed Mass Spectrom** 1984 Aug;11(8):400–2

Gene genealogy and variance of interpopulational nucleotide differences. Takahata N, et al. **Genetics** 1985 Jun; 110(2):325–44

Quantitative high-performance liquid chromatography of bases and nucleosides in cerebral DNA of rat foetus. Iwasaki S, et al. **J Chromatogr** 1985 May 31;341(1):182–6

Microbore packed-column anion-exchange liquid chromatography of nucleobases, nucleosides and nucleotides. Rokushika S, et al. **J Chromatogr** 1985 Mar 1;320(2):335–42

Halogenated nucleic acids: base properties and conformation of fluorinated derivatives. Alderfer JL, et al. **Prog Clin Biol Res** 1985;172A:249–61

Characterization of nucleic acids by bichromatic paper disk spectrophotometry. Hörer OL. **Virologie** 1984 Oct–Dec; 35(4):295–305

The structure of the major immediate early gene of human cytomegalovirus strain AD169. Akrigg A, et al. **Virus Res** 1985 Mar;2(2):107–21

[General method of analyzing the nucleotide sequence in transfer ribonucleic acid] Barciszewska M. **Postepy Biochem** 1984;30(1–2):19–26 **(Pol)**

[High performance liquid chromatography of nucleotides. Major methods and their development] Vul'fson AN, et al. **Bioorg Khim** 1983 Mar;9(3):365–90 (Eng. Abstr.) **(Rus)**

[The type of covalent bond in a natural complex of the bacteriophage phi X 174 protein A* and nucleotides] Zolotukhin AS, et al. **Bioorg Khim** 1984 Aug;10(8):1109–13 (Eng. Abstr.) **(Rus)**

[Study of nucleotide base polyhydrates in a vacuum by low-temperature field mass spectrometry] Verkin BI, et al. **Dokl Akad Nauk SSSR** 1984;277(5):1252–5 **(Rus)**

BIOSYNTHESIS

Protein-diet-induced elevation of 5-phosphoribosyl 1-diphosphate concentrations in mouse liver associated with increased syntheses of various nucleotides and the possible involvement of glucagon. Chikenji T, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):274–81

Similar sensitivity of human lymphoblast cells proficient or deficient in nucleotide biosynthesis to the cytotoxic and cell cycle effects of 3-aminobenzamide. Schwartz JL, et al. **Exp Cell Res** 1985 Mar;157(1):271–5

An experimental evaluation of nucleotide enhancement techniques for kidney transplantation. Garvin PJ, et al. **J Surg Res** 1985 Jan;38(1):29–38

BLOOD

Nucleotide profiles of normal human blood cells determined by high-performance liquid chromatography. de Korte D, et al. **Anal Biochem** 1985 May 15;147(1):197–209

Red cell nucleotide abnormalities. Paglia DE, et al. **Prog Clin Biol Res** 1984;165:213–25

CHEMICAL SYNTHESIS

Affinity labeling of the myosin ATPase with ribose-modified fluorescent nucleotides and vanadate. Hiratsuka T. **J Biochem (Tokyo)** 1984 Jul;96(1):147–54

GENETICS

Evidence for higher rates of nucleotide substitution in rodents than in man. Wu CI, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1741–5

ISOLATION & PURIFICATION

Separation of nucleosides and nucleotides by reversed-phase high-performance liquid chromatography with volatile buffers allowing sample recovery. Ip CY, et al. **Anal Biochem** 1985 May 15;147(1):180–5

Optimal extraction conditions for high-performance liquid chromatographic determination of nucleotides in yeast. Olempska-Beer Z, et al. **Anal Biochem** 1984 Jul; 140(1):236–45

Measurement of tissue purine, pyrimidine, and other nucleotides by radial compression high-performance liquid chromatography. Reiss PD, et al. **Anal Biochem** 1984 Jul; 140(1):162–71

Structural changes in mitochondrial F1-ATPase induced by the removal of loosely bound nucleotides. Teruel JA, et al. **Biochem Int** 1984 Sep;9(3):281–7

Preparative separation of nucleotides by high-performance-ion exchange liquid chromatography using a volatile buffer system. Greenhut J, et al. **J Chromatogr** 1985 Feb 20;319(3):461–6

METABOLISM

A kinetic study of the immediate nucleotide precursor of riboflavin in whole cells of Eremothecium ashbyii at rest. Nakajima K, et al. **Acta Vitaminol Enzymol** 1984; 6(3):189–99

Acidic phospholipids may inhibit rat brain hexokinase by interaction at the nucleotide binding site. Nemat-Gorgani M, et al. **Arch Biochem Biophys** 1985 Jan;236(1):220–7

Evidence for a reactive cysteine at the nucleotide binding site of spinach ribulose-5-phosphate kinase. Omnaas J, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):646–53

Cartilage nucleoside triphosphate pyrophosphohydrolase. II. Role in extracellular pyrophosphate generation and nucleotide metabolism. Ryan LM, et al. **Arthritis Rheum** 1985 Apr;28(4):413–8

Effects of altered nucleotide concentrations on the fidelity of DNA replication. Das SK, et al. **Basic Life Sci** 1985; 31:117–26 (26 ref.)

Maytansine inhibits nucleotide binding at the exchangeable site of tubulin. Huang AB, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1239–46

Loss of protection by nucleotides against proteolysis and thiol modification in the isolated alpha-subunit from F1 ATPase of Escherichia coli mutant uncA401. Stan-Lotter H, et al. **Biochem J** 1984 Nov 15;224(1):145–51

Affinity labeling of the reduced diphosphopyridine nucleotide inhibitory site of glutamate dehydrogenase by 6-[(4-bromo-2,3-dioxobutyl)thio]-6-deaminoadenosine 5'-diphosphate. Batra SP, et al. **Biochemistry** 1984 Oct 9; 23(21):4940–6

Purification and properties of the heat-released nucleotide-modifying group from the inactive iron protein of nitrogenase from Rhodospirillum rubrum. Pope MR, et al. **Biochemistry** 1985 Apr 23;24(9):2374–80

The influence of adenosine triphosphate, adenosine diphosphate and cytochalasin B on nucleotide exchange of F-actin. Evidence that treadmilling is not involved. Dancker P, et al. **Biochim Biophys Acta** 1985 Jan 28; 838(1):6–11

Gossypol modulation of nucleotide metabolizing enzymes in the reproductive tract of male rats. Olgiati KL, et al. **Biol Reprod** 1984 Nov;31(4):759–70

Revision of the nucleotide sequence at the last intron of the mitochondrial apocytochrome b gene in Saccharomyces cerevisiae. Bonjardim CA, et al. **Braz J Med Biol Res** 1984; 17(1):17–20

Mutation at separate gene loci in Salmonella typhimurium TA100 related to DNA nucleotide modification by stereoisomeric benzo(a)pyrene 7,8-diol-9,10-epoxides. Burgess JA, et al. **Cancer Res** 1985 Sep;45(9):4257–62

Analysis of hormone- and polynucleotide/histone-binding sites of the chicken intestinal 1,25-dihydroxyvitamin D3 receptor by means of proteolysis. Mellon WS. **Endocrinology** 1985 Apr;116(4):1408–17

Encephalomyocarditis virus replication complexes preferentially utilizing nucleoside diphosphates as substrates for viral RNA synthesis. Nucleotide kinases specifically associated with the complex channel RNA precursor. Koonin EV, et al. **Eur J Biochem** 1984 Oct 15; 144(2):249–54

Azidonaphthoyl-ADP: a specific photolabel for the high-affinity nucleotide-binding sites of F1-ATPase. Lübben M, et al. **Eur J Biochem** 1984 Sep 17;143(3):483–90

Exploration of nucleotide binding sites in the mitochondrial membrane by 2-azido-[alpha-32P]ADP. Dalbon P, et al. **FEBS Lett** 1985 Jan 28;180(2):212–8

Phosphate-binding sequences in nucleotide-binding proteins. Möller W, et al. **FEBS Lett** 1985 Jul 1;186(1):1–7 (67 ref.)

Effect of serine hydroxamate and methyl alpha-D-glucopyranoside treatment on nucleoside polyphosphate pools, RNA and protein accumulation in Streptomyces hygroscopicus. Riesenberg D, et al. **J Gen Microbiol** 1984 Oct;130 (Pt 10):2549–58

Molecular movements promoted by metal nucleotides in the heavy-chain regions of myosin heads from skeletal muscle. Mornet D, et al. **J Mol Biol** 1985 Jun 5;183(3):479–89

Effect of nucleotide and nucleoside mixture on rats given total parenteral nutrition after 70% hepatectomy. Ogoshi S, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun; 9(3):339–42

Role of substrates and nucleotides in phosphate uptake by rabbit renal cortical cells. Sakhrani LM, et al. **Miner Electrolyte Metab** 1984;10(6):391–7

Theoretical and experimental approach to recognition of amino acid by tRNA and nucleotide II. Shimizu M, et al. **Nucleic Acids Symp Ser** 1984;(15):193–6

Investigation of nucleotide binding sites on chloroplast coupling factor 1 with 3'O-(4-benzoyl)benzoyl adenosine 5'-triphosphate. Kambouris NG, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1950–3

Development of a nucleotide precursor incorporation assay for testing drug sensitivity of human tumors. Sanfilippo O, et al. **Recent Results Cancer Res** 1984;94:127–39

Effects of osmotic dehydration on the nucleotides of isolated chromaffin granules: evaluation by 31p nuclear magnetic resonance. Costa JL, et al. **Res Commun Chem Pathol Pharmacol** 1984 Sep; 45(3):389–98

[The effect of methotrexate on intracellular nucleotide pools] Kawasaki H, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 1):485–92 (Eng. Abstr.) **(Jpn)**

[Effect of adrenaline on nucleotide composition and the degree of DNA methylation in the canine myocardium] Kliasheva RI, et al. **Biol Nauki** 1984;(10):31–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of nucleosides and nucleotides on tracheal tone. Lundblad KA, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Sep;55(3):260–2

Comparison of the effect of nucleotides on phosphate transport in renal brush border membrane vesicles and intact proximal tubules. Fine LG, et al. **Adv Exp Med Biol** 1984;178:69–72

Regulation of rat liver microsomal squalene epoxidase: inactivation of the supernatant protein factor by nucleotides. Senjo M, et al. **Arch Biochem Biophys** 1985 May 1;238(2):584–7

Effect of nucleotides on translocation of sugar nucleotides and adenosine 3'-phosphate 5'-phosphosulfate into Golgi apparatus vesicles. Capasso JM, et al. **Biochim Biophys Acta** 1984 Oct 17;777(1):133–9

Inhibition of erythrocyte plasma membrane NADH dehydrogenase by nucleotides and uncouplers. Howland JL, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):400–4

Effects of nucleoside triphosphates and ferrous ions on bleomycin-induced unscheduled DNA synthesis. Seki S, et al. **Carcinogenesis** 1985 Jun;6(6):853–8

Adenylate cyclase in the corpus luteum of the rhesus monkey. II. Sensitivity to nucleotides, gonadotropins, catecholamines, and nonhormonal activators. Eyster KM, et al. **Endocrinology** 1985 Apr;116(4):1552–8

Properties of receptors for the Ca2+-channel blocker verapamil in transverse-tubule membranes of skeletal muscle. Stereospecificity, effect of Ca2+ and other inorganic cations, evidence for two categories of sites and effect of nucleoside triphosphates. Galizzi JP, et al.

Eur J Biochem 1984 Oct 15;144(2):211-5

Tightly bound nucleotides affect phosphate binding to mitochondrial F1-ATPase. Kozlov IA, et al. **FEBS Lett** 1985 Mar 25;182(2):425-8

Stimulation of beta(1——3)glucan synthetase of various fungi by nucleoside triphosphates: generalized regulatory mechanism for cell wall biosynthesis. Szaniszlo PJ, et al. **J Bacteriol** 1985 Mar;161(3):1188-94

Nucleotide-dependent binding of the gene 4 protein of bacteriophage T7 to single-stranded DNA. Matson SW, et al. **J Biol Chem** 1985 Feb 25;260(4):2281-7

The effect of nucleotides on the rate of spontaneous quantum bumps in Limulus ventral photoreceptors. Stern J, et al. **J Gen Physiol** 1985 Feb;85(2):157-69

[Analogs of natural nucleosides and their 5'-triphosphates carrying the amino group in 3'-position--highly effective inhibitors of replication, repair and transcription] Kraevskiĭ AA, et al. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):173-6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Purine analogs and related nucleosides and nucleotides as antitumor agents. Robins RK, et al. **Med Res Rev** 1985 Jul-Sep;5(3):273-96 (117 ref.)

NUCLEOTIDES, CYCLIC

Solvation effects on the 31P-NMR chemical shifts and infrared spectra of phosphate diesters. Lerner DB, et al. **Biopolymers** 1984 Nov;23(11 Pt 1):2157-72

ANALYSIS

Evidence that Blastocladiella emersonii zoospore maintenance factor is a sulfhydryl group-containing cyclic ribotide. Gottschalk WK, et al. **J Biol Chem** 1985 Jun 10; 260(11):6592-9

[Effect of Viscum coloratum (Kom) Nakai on changes in the cyclic nucleotides in ischemic myocardium] Zhu SH. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Sep;4(9):548-51, 516 (Eng. Abstr.) **(Chi)**

[Prostaglandin and cyclic nucleotide content of the ventricular myocardium in noradrenaline damage to the heart] Serov RA, et al. **Kardiologiia** 1985 Feb;25(2):86-90 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotides in cancer, polyps of the large intestine and nonspecific colitis (a preliminary report)] Blokhina NG, et al. **Vestn Akad Med Nauk SSSR** 1985;(3):74-7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The effect of low-density lipoproteins on the synthesis of cyclic nucleotides induced by prostacyclin in isolated platelets. Bruckdorfer KR, et al. **Biochem J** 1984 Oct 1; 223(1):189-96

Interaction of drugs with the cyclic nucleotide generating enzymes in the central nervous system. Tjörnhammar ML, et al. **Med Res Rev** 1984 Oct-Dec;4(4):513-34 (94 ref.)

BLOOD

Cyclic nucleotide metabolism in the human erythrocyte. DeBari VA, et al. **Clin Physiol Biochem** 1984;2(5):227-38

A genetic analysis of morphine responses in mice. Muraki T, et al. **Neuropeptides** 1984 Dec;5(1-3):69-72

The effects of amrinone on human platelet aggregation: evidence that amrinone does not act through a cyclic nucleotide mechanism in platelet rich plasma. Lippton HL, et al. **Prostaglandins Leukotrienes Med** 1985 May; 18(2):193-204

[Effects of Codonopsis pilosular-Astragalus injection on the cyclic nucleotide levels and phosphodiesterase activity in platelets] Chai ZN. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Aug;4(8):486-7 (Eng. Abstr.) **(Chi)**

[Cyclic nucleotides and cell-mediated immunity in chronic cor pulmonale] Wu J. **Chung Hua Nei Ko Tsa Chih** 1984 May;23(5):264-6 (Eng. Abstr.) **(Chi)**

[Neurohumoral regulation of renin-angiotensin system. II. Effect of electro-stimulation of central gray and intraventricular injection of angiotensin II on the plasma cyclic nucleotide content in cats] Chen MQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Jun; 6(3):202-5 (Eng. Abstr.) **(Chi)**

[Histamine liberation and cyclic nucleotide activation in the lungs in experimental anesthesia and artificial circulation] Gerasimov NM, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct; (5):75-8 (Eng. Abstr.) **(Rus)**

[Role of prostaglandins and cyclic nucleotides in the development of allergic reactions in eczema patients] Kubanova AA. **Vestn Dermatol Venerol** 1985 Apr;(4):13-5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Prostaglandins and cyclic nucleotides as effectors in non-lymphocyte mediated surveillance processes (short review). Mastacchi R, et al. **Anticancer Res** 1985 Mar-Apr; 5(2):167-70

[Immunomodulating action of ceruloplasmin in tumor growth and the participation of cyclic nucleotides] Antonenko SG, et al. **Vopr Onkol** 1985;31(5):48-52 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Purification of a naturally produced, low molecular weight organic factor that reversibly blocks encystment of Blastocladiella emersonii zoospores. Gottschalk WK, et al. **J Biol Chem** 1985 Jun 10;260(11):6588-91

METABOLISM

Hormones, receptors, cyclic nucleotides and calcium. Presentation at the International Congress on Cyclic Nucleotides and Calcium. Copenhagen, April 11-14, 1984. Abstracts. **Acta Pharmacol Toxicol (Copenh)** 1984;55 Suppl 3:1-68

NIH conference. Cyclic nucleotides: mediators of bacterial toxin action in disease. Moss J, et al. **Ann Intern Med** 1984 Nov;101(5):653-66 (123 ref.)

Prostaglandins and cyclic nucleotides. Modulators of arterial cholesterol metabolism. Hajjar DP. **Biochem Pharmacol** 1985 Feb 1;34(3):295-300

Carbachol and dibutyryl cyclic GMP on the vulnerability to ventricular fibrillation in rat isolated hearts. Daugherty A, et al. **Br J Pharmacol** 1985 Jul;85(3):621-7

The enzymatic neuron as a reaction-diffusion network of cyclic nucleotides. Kirby KG, et al. **Bull Math Biol** 1984; 46(5-6):765-83

Plasma and urine cyclic nucleotide levels in patients with neoplastic diseases. Peracchi M, et al. **Cancer** 1984 Dec 15;54(12):3028-34

Villous adenoma depletion syndrome. Evidence for a cyclic nucleotide-mediated diarrhea. Jacob H, et al. **Dig Dis Sci** 1985 Jul;30(7):637-41

Effect of thymulin on intracellular cyclic nucleotides and prostaglandins E2 in peanut agglutinin-fractionated thymocytes. Rinaldi-Garaci C, et al. **Eur J Immunol** 1985 Jun;15(6):548-52

Deranged metabolism of cyclic nucleotides in liver diseases. Matsushima T, et al. **Horm Metab Res** 1985 Jun;17(6):306-7

[Receptors and substance metabolism in the kidney glomerulus] Matsunaga H, et al. **Nippon Rinsho** 1984 Jun; 42(6):1265-72 **(Jpn)**

[Effect of tissue growth factors and various hormones on DNA synthesis and cyclic nucleotide content of splenic lymphoid cells cultivated in vitro] Stepień H. **Endokrynol Pol** 1984;35(6):387-93 (Eng. Abstr.) **(Pol)**

[Effect of dimethoxy dichloro vinyl phosphate and fluorostigmine on the cyclic nucleotide content and dopamine level in the brain nigrostriatal system] Golovko AI, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):46-8 (Eng. Abstr.) **(Rus)**

[Relation of the light sensitivity of the retinal rods to cyclic nucleotide metabolism] Bochkin LM, et al. **Fiziol Cheloveka** 1985 Jan-Feb;11(1):159-61 **(Rus)**

PHARMACODYNAMICS

Central action of cyclic: 3',5'-thymidine, 3',5'-uridine and 3',5'-citidine monophosphates in rat. Brus R, et al. **Acta Med Pol** 1984;25(1-4):1-9

Stimulation of acetylcholine release from guinea-pig ileal synaptosomes by cyclic nucleotides and forskolin. Reese JH, et al. **Biochem Pharmacol** 1984 Oct 1;33(19):3007-11

Influence of cyclic nucleotides on receptor binding, immunological activity, and microheterogeneity of human choriogonadotropin synthesized in placental tissue culture. Hilf G, et al. **Mol Cell Endocrinol** 1985 Feb;39(2):151-9

Cyclic nucleotides and aminophylline produce different effects on nociceptive motor and sensory responses in the rat spinal cord. Jurna I. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):23-30

[Effect of cyclic nucleotides on the mitotic activity of dental anlage and alveolar bone cells in tissue culture] Leĭbur EE, et al. **Biull Eksp Biol Med** 1985 May;99(5):607-8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Regulation of cyclic nucleotides in retinal photoreceptors. An ultracytochemical approach on the role of cyclases. Athanassious R, et al. **Cell Tissue Res** 1984;237(1):95-101

Histone and high mobility group protein phosphorylation in the thyroid: regulation by cyclic nucleotides. Cooper E, et al. **Endocrinology** 1984 Dec;115(6):2324-31

Brain cyclic nucleotides and the development of convulsion, with reference to the anticonvulsant activity of diazepam. Morishita S, et al. **Gen Pharmacol** 1984;15(5):379-83

Developmental physiology of cestodes: cyclic nucleotides and the identity of putative crowding factors in Hymenolepis diminuta. Zavras ET, et al. **J Parasitol** 1985 Feb;71(1):96-105

Cyclic nucleotide-dependent protein phosphorylation in intestinal epithelium. de Jonge HR. **KROC Found Ser** 1984; 17:263-86 (80 ref.)

[The modulatory effect of central cyclic nucleotides on heart rate and blood pressure] Qiu XC. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Sep; 12(3):227-8 **(Chi)**

[Cyclic nucleotides and calcium ions in the activation of B-lymphocyte movement in mice by an anti-immunoglobulin serum] Ado AD, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):692-4 (Eng. Abstr.) **(Rus)**

[Role of the cyclic nucleotide system in immunoregulatory processes and methodological approaches to its study in evaluating human immune status] Biriukov AV, et al. **Lab Delo** 1985;(1):29-35 (70 ref.) **(Rus)**

SECRETION

[Secretion of gastric acid, gastrin and cyclic nucleotides in relation to the action of the vagus nerve] Karydakis P, et al. **J Chir (Paris)** 1985 Jan;122(1):21-5 (Eng. Abstr.) **(Fre)**

NUCLEOTIDYLTRANSFERASES

Mechanism and regulation of Tn10 transposition. Kleckner N, et al. **Cold Spring Harbor Symp Quant Biol** 1984; 49:235-44

Resolvase-mediated recombination intermediates contain a serine residue covalently linked to DNA. Reed RR, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:245-9

Immunochemical characterization of the adenine nucleotide translocator. Organ specificity and conformation specificity. Schultheiss HP, et al. **Eur J Biochem** 1984 Sep 17;143(3):599-605

Formation of an intramolecular disulfide bond in the mitochondrial adenine nucleotide translocase. Torok K, et al. **FEBS Lett** 1985 Mar 25;182(2):340-4

ANALYSIS

Immunoelectrophoretic characterization of the ADP/ATP carrier from heart, kidney, and liver. Schultheiss HP, et al. **Arch Biochem Biophys** 1985 May 15;239(1):273-9

Structural and immunological identity of rat hepatoma and fetal liver nuclear poly(A) polymerase. Stetler DA, et al. **Carcinogenesis** 1985 Feb;6(2):259-62

Double-stranded RNA-dependent protein kinase and 2-5A system are both activated in interferon-treated, encephalomyocarditis virus-infected HeLa cells. Rice AP, et al. **J Virol** 1985 Jun;54(3):894-8

ANTAGONISTS & INHIBITORS

Trifluoperazine and chlorpromazine inhibit phosphatidylcholine biosynthesis and CTP:phosphocholine cytidylyltransferase in HeLa cells. Pelech SL, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):441-6

Inhibition of the adenine nucleotide translocator by organ specific autoantibodies in primary biliary cirrhosis. Schultheiss HP, et al. **Clin Exp Immunol** 1984 Dec; 58(3):596-602

Proliferation, macromolecular synthesis and energy metabolism of in vitro grown Ehrlich ascites tumor cells after inhibition of ATP-ADP translocation by atractyloside. Pick-Kober KH, et al. **Eur J Cell Biol** 1984 Jul;34(2):323-9

Inhibitors of ADP-ribosyl transferase enhance the transformation of NIH3T3 cells following transfection with SV40 DNA. Strain AJ. **Exp Cell Res** 1985 Aug; 159(2):531-5

Administration of adenosine diphosphate-ribosyl transferase antagonist allows in vivo control of anti-dinitrophenyl response. Broomhead C, et al. **Int Arch Allergy Appl Immunol** 1985;77(3):358-63

Monoclonal antibody analysis of diphtheria toxin--II. Inhibition of ADP-ribosyl-transferase activity. Zucker DR, et al. **Mol Immunol** 1984 Sep;21(9):795-800

Inhibition of DNA repair by inhibitors of nuclear ADP-ribosyl transferase. Shall S. **Nucleic Acids Symp Ser** 1984;(13):143-91

BIOSYNTHESIS

Induction of a distinct nuclear poly(A) polymerase and the production of anti-tumor poly(A) polymerase antibodies in hepatocarcinogenesis. Stetler DA, et al. **Carcinogenesis** 1984 Oct;5(10):1363-6

Androgen regulation of poly(A) polymerase in the ventral prostate of rat. Raju VS, et al. **Steroids** 1984 Apr; 43(4):407-14

Enzymatic modification of aminoglycoside antibiotics in gentamicin-resistant gram-negative bacteria. Kettner M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Aug; 257(3):372-82

BLOOD

De novo tandem duplication 9p (p12----p24) with normal GALT activity in red cells. Motegi T, et al. **J Med Genet** 1985 Feb;22(1):64-6

[Determination of reference ranges for the activity of galactose-1-phosphate uridyltransferase (E.C. 2.7.7.12) in the blood using a simple optimized method of determination and comparison with the results of a half-quantitative screening method] Ahlbehrendt I, et al. **Z Med Lab Diagn** 1984;25(5):257-62 (Eng. Abstr.) **(Ger)**

DEFICIENCY

Molecular basis of the 'box effect', A maturase deficiency leading to the absence of splicing of two introns located in two split genes of yeast mitochondrial DNA. Labouesse M, et al. **Eur J Biochem** 1984 Oct 1;144(1):85-93

GENETICS

Gene dosage studies supporting localization of the structural gene for galactose-1-phosphate uridyl transferase (GALT) to band p13 of chromosome 9. Shih LY, et al. **Am J Med Genet** 1984 Nov;19(3):539-43

Polymorphism of galactose-1-phosphate uridyltransferase in the Albanian and Croatian settlements of Molise (Italy). Vaccaro AM, et al. **Anthropol Anz** 1984 Dec;42(4):307-14

Comparison of three DNA hybridization methods for detection of the aminoglycoside 2'-O-adenylyltransferase gene in clinical bacterial isolates. Gootz TD, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):69-73

Molecular cloning of a cDNA complementary to a UDP-glucose pyrophosphorylase mRNA of dictyostelium discoideum. Fishel BR, et al. **Dev Biol** 1985 Aug; 110(2):369-81

Antibodies against synthetic oligopeptides allow identification of the mRNA-maturase encoded by the second intron of the yeast cob-box gene. Guiso N, et al. **EMBO J** 1984 Aug;3(8):1769-72

Transcriptional regulation of the MET3 gene of Saccharomyces cerevisiae. Cherest H, et al. **Gene** 1985; 34(2-3):269-81

Polymorphism of erythrocyte galactose-1-phosphate uridyl-transferase in Italy: segregation analysis in 693 families. Vaccaro AM, et al. **Hum Hered** 1984; 34(4):197-206

The use of bacteria producing the aminoglycoside inactivating enzyme ANT-(2') in an in-vitro model. Wiedemann B, et al. **J Antimicrob Chemother** 1985 Jan;15 Suppl A:251-6

Molecular cloning of the structural gene coding for CTP:CMP-3-deoxy-manno-octulosonate cytidylyltransferase from Escherichia coli K-12. Goldman RC, et al. **J Bacteriol** 1985 Jul;163(1):256-61

Vibrio cholerae enterotoxin genes: nucleotide sequence analysis of DNA encoding ADP-ribosyltransferase. Lockman HA, et al. **J Bacteriol** 1984 Sep;159(3):1086-9

Enzymatic and nucleotide sequence studies of a kanamycin-inactivating enzyme encoded by a plasmid from thermophilic bacilli in comparison with that encoded by plasmid pUB110. Matsumura M, et al. **J Bacteriol** 1984 Oct;160(1):413-20

Cloning of the A gene of bacteriophage Mu and purification of its product, the Mu transposase. Craigie R, et al. **J Biol Chem** 1985 Feb 10;260(3):1832-5

Diphtheria toxin. Effect of substituting aspartic acid for glutamic acid 148 on ADP-ribosyltransferase activity. Tweten RK, et al. **J Biol Chem** 1985 Sep 5;260(19):10392-4

Development of a DNA probe for the structural gene of the 2'-O-adenyltransferase aminoglycoside-modifying enzyme. Tenover FC, et al. **J Infect Dis** 1984 Nov; 150(5):678-87

Analysis of the gamma delta res site. Sites required for site-specific recombination and gene expression. Wells RG, et al. **J Mol Biol** 1984 Nov 15;179(4):667-87

Identification of the DNA sequences encoding the large subunit of the mRNA-capping enzyme of vaccinia virus. Morgan JR, et al. **J Virol** 1984 Oct;52(1):206-14

The resolvase protein from the transposon Tn21. Halford SE, et al. **MGG** 1985;200(1):169-75

Nucleotide sequence of a spectinomycin adenyltransferase AAD(9) determinant from Staphylococcus aureus and its relationship to AAD(3') (9). Murphy E. **MGG** 1985; 200(1):33-9

Regulation of expression of the galactose gene cluster in Saccharomyces cerevisiae. II. The isolation and dosage effect of the regulatory gene GAL80. Nogi Y, et al. **MGG** 1984;195(1-2):29-34

Tn1721-encoded resolvase: structure of the tnpR gene and its in vitro functions. Rogowsky P, et al. **MGG** 1985; 200(1):176-81

Evolutionary relationship between Tn21-like elements and pBP201, a plasmid from Klebsiella pneumoniae mediating resistance to gentamicin and eight other drugs. Schmidt F, et al. **MGG** 1984;197(1):109-19

Isolation and sequence analysis of a cDNA encoding the ATP/ADP translocator of Zea mays L. Baker A, et al. **Nucleic Acids Res** 1985 Aug 26;13(16):5857-67

A mitochondrial reading frame which may code for a maturase-like protein in Saccharomyces cerevisiae. Séraphin B, et al. **Nucleic Acids Res** 1985 Apr 25; 13(8):3005-14

The role of TnA transposase in transposition immunity. Heritage J, et al. **Plasmid** 1984 Nov;12(3):218-21

Nucleotide sequence analysis of a gene encoding a streptomycin/spectinomycin adenylyltransferase. Hollingshead S, et al. **Plasmid** 1985 Jan;13(1):17-30

Cloning and expression of the Rickettsia prowazekii ADP/ATP translocator in Escherichia coli. Krause DC, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):3015-9

IMMUNOLOGY

The antigenic characteristics and the significance of the adenine nucleotide translocator as a major autoantigen to antimitochondrial antibodies in dilated cardiomyopathy. Schultheiss HP, et al. **Adv Myocardiol** 1985;6:311-27

Immunological analysis of auto-antibodies against the adenine nucleotide translocator in dilated cardiomyopathy. Schultheiss HP, et al. **J Mol Cell Cardiol** 1985 Jun; 17(6):603-17

ISOLATION & PURIFICATION

Purification of a UTP:D-glucose-1-phosphate uridylyltransferase from Golgi apparatus of cat liver by affinity chromatography on UTP-agarose. Azzar G, et al. **Anal Biochem** 1984 Nov 1;142(2):518-20

Purification of muscle uridine diphosphoglucose pyrophosphorylase by hydrophobic chromatography. Bergamini C, et al. **Anal Biochem** 1984 Nov 15;143(1):35-8

Isolation and characterization of cytoplasmic poly(A) polymerase from cryptobiotic gastrulae of Artemia salina. Roggen E, et al. **Eur J Biochem** 1985 Mar 1;147(2):225-32

Purification of GTP:alpha-D-mannose-1-phosphate guanyltransferase. Smoot JW, et al. **Eur J Biochem** 1985 Apr 1;148(1):83-7

METABOLISM

Chemical probes of the mitochondrial ATP synthesis and translocation. Vignais PV, et al. **Annu Rev Biochem** 1985; 54:977-1014 (248 ref.)

Bacterial glycogen synthesis and its regulation. Preiss J. **Annu Rev Microbiol** 1984;38:419-58 (179 ref.)

Contribution of exoenzyme S to the virulence of Pseudomonas aeruginosa. Nicas TI, et al. **Antibiot Chemother** 1985;36:40-8

Correlation of aminoglycoside resistance with the KmS and Vmax/Km ratios of enzymatic modification of aminoglycosides by 2"-O-nucleotidyltransferase. DeHertogh DA, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):670-1

Evidence that cyclic AMP stimulates bacterial glycogen synthesis by relieving AMP inhibition of and by increasing the cellular level of ADP-glucose synthetase. Leckie MP, et al. **Arch Biochem Biophys** 1984 Dec;235(2):493-503

Adenosinetriphosphate sulfurylase from Penicillium chrysogenum: steady-state kinetics of the forward and reverse reactions, alternative substrate kinetics, and equilibrium binding studies. Seubert PA, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):509-23

Studies on acylneuraminate cytidylyltransferase from human placenta. Kolisis FN. **Arch Int Physiol Biochim** 1984 Oct; 92(3):179-84

Effect of salts and other agents on foot-and-mouth disease virus poly (U) polymerase activity. Polatnick J. **Arch Virol** 1985;84(3-4):269-75

Nuclear ADP-ribosylation in the chick lens during embryonic development. Counis MF, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):859-66

Characterization of pyrophosphate exchange by the reconstituted adenine nucleotide translocator from mitochondria. Krämer R. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):129-35

Thyroid hormone regulation of poly(adenylate) polymerase activities in neuronal nuclei of developing rat brain cortex. Lindholm DB. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):931-7

ADP-ribosyltransferase in isolated nuclei from sea-urchin embryos. Isoai A, et al. **Biochem J** 1985 Jan 15; 225(2):429-34

Localization of the N-ethylmaleimide reactive cysteine in the beef heart mitochondrial ADP/ATP carrier protein. Boulay F, et al. **Biochemistry** 1984 Sep 25;23(20):4807-12

Substrate-induced modifications of the intrinsic fluorescence of the isolated adenine nucleotide carrier protein: demonstration of distinct conformational states. Brandolin G, et al. **Biochemistry** 1985 Apr 9;24(8):1991-7

Interaction of fluorescent adenine nucleotide derivatives with the ADP/ATP carrier in mitochondria. 2. [5-(Dimethylamino)-1-naphthoyl]adenine nucleotides as probes for the transition between c and m states of the ADP/ATP carrier. Klingenberg M, et al. **Biochemistry** 1984 May 22;23(11):2442-9

Interaction of fluorescent adenine nucleotide derivatives with the ADP/ATP carrier in mitochondria. 1. Comparison of various 3'-O-ester adenine nucleotide derivatives. Mayer I, et al. **Biochemistry** 1984 May 22;23(11):2436-42

Substrate-site interactions in the membrane-bound adenine-nucleotide carrier as disclosed by ADP and ATP analogs. Block MR, et al. **Biochim Biophys Acta** 1984 Nov 26;767(2):369-76

Stimulation of cholinephosphate cytidylyltransferase activity by estrogen in fetal rabbit lung is mediated by phospholipids. Chu AJ, et al. **Biochim Biophys Acta** 1985 May 17;834(3):346-56

Developmental differences in activation of cholinephosphate cytidylyltransferase by lipids in rabbit lung cytosol. Chu AJ, et al. **Biochim Biophys Acta** 1985 Jun 14;835(1):132-40

The stimulation and binding of CTP: phosphorylcholine cytidylyltransferase by phosphatidylcholine-oleic acid vesicles. Feldman DA, et al. **Biochim Biophys Acta** 1985 Mar 6;833(3):429-37

Phosphatidylglycerol stimulates cholinephosphate cytidylyltransferase activity and phosphatidylcholine synthesis in type II pneumocytes. Gilfillan AM, et al. **Biochim Biophys Acta** 1985 Jun 14;835(1):141-6

Membrane-bound CTP:phosphocholine cytidylyltransferase regulates the rate of phosphatidylcholine synthesis in HeLa cells treated with unsaturated fatty acids. Pelech SL, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):433-40

Phorbol esters stimulate phosphatidylcholine biosynthesis by translocation of CTP:phosphocholine cytidylyltransferase from cytosol to microsomes. Pelech SL, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):447-51

Analysis of the effects of fatty acids and related compounds on the synthesis of phosphatidylcholine in lymphocytes. Whitlon DS, et al. **Biochim Biophys Acta** 1985 Jul 9; 835(2):369-77

The contribution of exoproducts to virulence of Pseudomonas aeruginosa. Nicas TI, et al. **Can J Microbiol** 1985 Apr;31(4):387-92

Adenosine diphosphate ribosyl transferase in marrow cells of patients with acute myeloid leukemia is related to differentiation and drug sensitivity. Pero RW, et al. **Carcinogenesis** 1985 Jul;6(7):1055-8

Recombination site selection by Tn3 resolvase: topological tests of a tracking mechanism. Benjamin HW, et al. **Cell** 1985 Jan;40(1):147-58

The yeast nuclear gene NAM2 is essential for mitochondrial DNA integrity and can cure a mitochondrial RNA-maturase deficiency. Labouesse M, et al. **Cell** 1985 May;41(1):133-43

Transposase promotes double strand breaks and single strand joints at Tn10 termini in vivo. Morisato D, et al. **Cell** 1984 Nov;39(1):181-90

Nuclear ADP-ribosyl transferase activity correlates with induction of P-450 monooxygenases by phenobarbital in rat liver microsomes. Lechner MC, et al. **Eur J Biochem** 1985 Sep 16;151(3):621-4

Role of exoenzyme S in chronic Pseudomonas aeruginosa lung infections. Nicas TI, et al. **Eur J Clin Microbiol** 1985 Apr;4(2):175-9

Use of transposon mutants to assess the role of exoenzyme S in chronic pulmonary disease due to Pseudomonas aeruginosa. Woods DE, et al. **Eur J Clin Microbiol** 1985 Apr;4(2):163-9

The influence of thyroid hormone on the degree of control of oxidative phosphorylation exerted by the adenine nucleotide translocator. Holness M, et al. **FEBS Lett** 1984 Nov 19;177(2):231-5

Poly(ADP-ribosylation) in Ascaris suum. Walter RD, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jul;365(7):805-8

Regulation of CDP-diacylglycerol synthase activity in Saccharomyces cerevisiae. Homann MJ, et al. **J Bacteriol** 1985 Sep;163(3):1265-6

Phosphorolytic cleavage of diadenosine 5',5'''-P1,P4-tetraphosphate. Properties of homogeneous diadenosine 5',5'''-P1,P4-tetraphosphate alpha, beta-phosphorylase from Saccharomyces cerevisiae. Guranowski A, et al. **J Biol Chem** 1985 Mar 25; 260(6):3542-7

Adenine nucleotide and phosphate transport systems of mitochondria. Relative location of sulfhydryl groups based on the use of the novel fluorescent probe eosin-5-maleimide. Houštěk J, et al. **J Biol Chem** 1985 May 25;260(10):6288-95

Alteration in the characters of CDP-choline synthetase and phospholipid-choline exchange enzyme upon choline starvation in Chinese hamster ovary cells. Maeda M, et al. **J Biol Chem** 1985 May 25;260(10):5925-30

RNA capping by the vaccinia virus guanylyltransferase. Structure of enzyme-guanylate intermediate. Roth MJ, et al. **J Biol Chem** 1984 Nov 10;259(21):13488-94

Purification and characterization of a nuclear protein kinase from rat liver and a hepatoma that is capable of activating poly(A) polymerase. Stetler DA, et al. **J Biol Chem** 1984 Dec 10;259(23):14481-5

Adenine nucleotide translocase activity and sensitivity to inhibitors in hepatomas. Comparison of the ADP/ATP carrier in mitochondria and in a purified reconstituted liposome system. Woldegiorgis G, et al. **J Biol Chem** 1985 Jun 25;260(12):7585-90

Regulation of phosphatidylcholine biosynthesis in Chinese hamster ovary cells by reversible membrane association of CTP: phosphocholine cytidylyltransferase. Wright PS, et al. **J Biol Chem** 1985 Jul 5;260(13):7919-26

Role of the IS50 R proteins in the promotion and control of Tn5 transposition. Johnson RC, et al. **J Mol Biol** 1984 Aug 25;177(4):645-61

Coliphage-induced ADP-ribosylation of Escherichia coli RNA polymerase. Goff CG. **Methods Enzymol** 1984; 106:418-29

Toxin ADP-ribosyltransferases that act on adenylate cyclase systems. Moss J, et al. **Methods Enzymol** 1984;106:411-8

Overview of poly(ADP-ribosyl)ation. Smulson ME, et al. **Methods Enzymol** 1984;106:438-40

Use of guanylhydrazones as substrates for guanidine-specific mono-ADP-ribosyltransferases. Soman G, et al. **Methods Enzymol** 1984;106:403-10

ADP-ribosyl transferase activity in Trypanosoma brucei. Farzaneh F, et al. **Mol Biochem Parasitol** 1985 Mar; 14(3):251-9

Gamma-radiation induced ADP-ribosyl transferase activity and mammalian longevity. Pero RW, et al. **Mutat Res** 1985 Jan-Feb;142(1-2):69-73

ATP-dependent specific binding of Tn3 transposase to Tn3 inverted repeats. Wishart WL, et al. **Nature** 1985 Apr 11-17;314(6011):556-8

The consensus sequence YGTGTTYY located downstream from the AATAAA signal is required for efficient formation of mRNA 3' termini. McLauchlan J, et al. **Nucleic Acids Res** 1985 Feb 25;13(4):1347-68

Determination of the stereostructure of the product of Tn3 resolvase by a general method. Wasserman SA, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1079-83

Discovery of a predicted DNA knot substantiates a model for site-specific recombination. Wasserman SA, et al. **Science** 1985 Jul 12;229(4709):171-4

[Isolation of coagulase-negative staphylococci producing aminoglycosides 4',4'-adenylyltransferase in Japan] Nonoguchi R. **Kansenshogaku Zasshi** 1984 Jul;58(7):569-82 (Eng. Abstr.) **(Jpn)**

[ADP-ribosylation of histones and NAD-pyrophosphorylase activity of chicken liver nuclei during induction of DNA damage] Khalmuradov AG, et al. **Biokhimiia** 1985 May; 50(5):844-8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Stability of enzymes inactivating aminoglycoside antibiotics] Taisova AS, et al. **Antibiotiki** 1984 Sep;29(9):649-53 (Eng. Abstr.) **(Rus)**

NUCLEUS ACCUMBENS see under **SEPTAL NUCLEI**

NUCLEUS BASALIS, OLIVARY see **OLIVARY NUCLEUS**

NUDE MICE see **MICE, NUDE**

NULL CELLS see **LYMPHOCYTES, NULL**

NUMISMATICS

The medal: William Beaumont. Appel TA. **Fed Proc** 1985 Jan;44(1 Pt 1):1

Medicina in nummis. Friedlander FC. **S Afr Med J** 1985 Feb 16;67(7):263-6

NURSE ADMINISTRATORS see under **ADMINISTRATIVE PERSONNEL**

NURSE ANESTHETISTS

Nitrous oxide exposure during routine anaesthetic work. Measurement of biologic exposure from urine samples and technical exposure by bag sampling. Sonander H, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):203-8

Monitoring of sister chromatid exchanges in lymphocytes of nurse-anesthetists. Husum B, et al. **Anesthesiology** 1985 Apr;62(4):475-9

PSYCHOLOGY

To the ones left behind. Johnston W. **Am J Nurs** 1985 Aug; 85(8):936

NURSE CLINICIANS

Consistency of care in an intensive care nursery staffed by nurse clinicians. Martin RG, et al. **Am J Dis Child** 1985 Feb;139(2):169-72

The clinical nurse specialist. The role in the OR. Schramm C. **AORN J** 1985 Mar;41(3):579, 581-3, 586-7

Screening by nurse clinicians in cancer prevention and detection. White LN, et al. **Curr Probl Cancer** 1985 Apr; 9(4):1-42

Manitoba's rural hospitals curtail nosocomial infections. Phippen DE, et al. **Dimens Health Serv** 1984 Sep;61(9):26

Development of a cardiac transplantation program: role of the clinical nurse specialist. Grady KL. **Heart Lung** 1985 Sep;14(5):490-4

Nurse-psychotherapists: whom do they treat? Pelletier LR. **Hosp Community Psychiatry** 1984 Nov;35(11):1149-50

Focus on rehabilitation in the acute care setting: the role of the neuro clinical nurse specialist. Davis AE. **J Neurosurg Nurs** 1985 Aug;17(4):244-6

A clinical nurse specialist in a line management position. Williams LB, et al. **J Nurs Adm** 1985 Jan;15(1):20-6

Preparing nurse-educators. Who should teach undergraduates? Horowitz JA, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Feb;23(2):36-8

EDUCATION

Accountable to whom? Styles M. **Int Nurs Rev** 1985 May-Jun;32(3):73-5

STANDARDS

Clinical competence of paediatric primary health care nurses in Soweto. Irwig LM, et al. **S Afr Med J** 1985 Jan 19; 67(3):92-5

NURSE MIDWIVES

Champions of choice. Norton SF, et al. **Am J Nurs** 1985 Apr;85(4):380-3

Nurse-midwifery practice in the United States, 1982. Adams CJ. **Am J Public Health** 1984 Nov;74(11):1267-70

Normal maternity care: whose responsibility? [editorial] Robinson S. **Br J Obstet Gynaecol** 1985 Jan;92(1):1-3

Family ties. Stitt PG. **Child Today** 1985 Jan-Feb;14(1):30-3

A place for the nurse-midwife. Hinds C. **Int Nurs Rev** 1985 Mar-Apr;32(2):46-7

Expectation and experience in alternative and conventional birth. Chute GE. **J Obstet Gynecol Neonatal Nurs** 1985 Jan-Feb;14(1):61-7

Can socio-cultural information improve health planning? A case study of Nepal's assistant nurse-midwife. Justice J. **Soc Sci Med** 1984;19(3):193-8

EDUCATION

pH measurement from the fetus during labor—a task for the midwife? Löfgren O. **Acta Obstet Gynecol Scand** 1984; 63(8):703-6

Faculty practice: something for everyone. Nichols C. **Nurs Outlook** 1985 Mar-Apr;33(2):85-90

ORGANIZATION & ADMINISTRATION

[Supervision on midwives in the rural areas] Yang SX, et al. **Chung Hua Hu Li Tsa Chih** 1985 Feb;20(1):1-2 **(Chi)**

NURSE-PATIENT RELATIONS

Not by any other name. Brockopp DY, et al. **Am J Nurs** 1985 Apr;85(4):510

The man who wrote too much. Magnani L. **Am J Nurs** 1985 Aug;85(8):876-7

Soap opera. Catalyst to communication. Platt-Koch LM. **Am J Nurs** 1984 Oct;84(10):1244-6

The neglected crisis. Ryan J. **Am J Nurs** 1984 Oct; 84(10):1257-8

The influence of client-provider relationships on teenage women's subsequent use of contraception. Nathanson CA, et al. **Am J Public Health** 1985 Jan;75(1):33-8

Role of strategic communication in nursing theory and research. Kasch CR, et al. **ANS** 1984 Oct;7(1):56-71

Patient anxiety levels. An ambulatory surgery study. Kempe AR, et al. **AORN J** 1985 Feb;41(2):390-1, 394, 396

A physician's perspective on allaying patients' fears. Petty C. **AORN J** 1985 Mar;41(3):537, 540, 542

A hand and a name. Friedberg A. **Br Med J [Clin Res]** 1984 Dec 22-29;289(6460):1745-6

The nature of interactions between nursing staff and profoundly multiply handicapped children. Beail N. **Child Care Health Dev** 1985 May-Jun;11(3):113-29

Clinicians' knowledge about the families of their patients. Rosenberg EE, et al. **Fam Pract** 1985 Mar;2(1):23-9

Nurse-patient interaction in the intensive care unit. Salyer J, et al. **Heart Lung** 1985 Jan;14(1):20-4

Real nurses may not always fill up the flow sheets. Sanford S. **Heart Lung** 1985 Jan;14(1):21A, 24A-25A

Sexual harassment [letter] Carey S. **Hosp Community Psychiatry** 1984 Sep;35(9):940

Nurse-patient communication skills in Northern Ireland--the educational problems. Eastwood CM. **Int J Nurs Stud** 1985; 22(2):99-104

Self-esteem: a closer look at clinical interventions. Meisenhelder JB. **Int J Nurs Stud** 1985;22(2):127-35

Towards inclusive notions of 'patient' and 'nurse'. Bottorff JL, et al. **J Adv Nurs** 1984 Nov;9(6):549-53

Use of controlling language in the rehabilitation of the elderly. Lanceley A. **J Adv Nurs** 1985 Mar;10(2):125-35

An analysis of the concept of trust. Meize-Grochowski R. **J Adv Nurs** 1984 Nov;9(6):563-72

Nurse/patient dependency--a review of different approaches with particular reference to studies of the dependency of elderly patients. Miller A. **J Adv Nurs** 1984 Sep;9(5):479-86

Individualizing patient care. Strickland B, et al. **J Nurs Educ** 1985 Jun;24(6):252-5

Territorial behavior among the institutionalized. A nursing perspective. Cooper KH. **J Psychosoc Nurs Ment Health Serv** 1984 Dec;22(12):6-11

Levels of contracting. Loomis ME. **J Psychosoc Nurs Ment Health Serv** 1985 Mar;23(3):9-14

Contracting for care. One nursing approach to the hospitalized borderline patient. McEnany GW, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Apr;23(4):11-8

Destroyers. Written treatment contracts can help cure self destructive behaviors of the borderline patient. O'Brien P, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Apr; 23(4):19-23

Spiritual support for the dying. Conrad NL. **Nurs Clin North Am** 1985 Jun;20(2):415-26

Noncompliance: an appropriate nursing diagnosis? Edel MK. **Nurs Outlook** 1985 Jul-Aug;33(4):183-5

Patient compliance and interpersonal style: implications for practice and research. Kasch CR, et al. **Nurse Pract** 1985 Mar;10(3):52-4, 56, 64

Effects of information on patient stereotyping. DeVellis BM, et al. **Res Nurs Health** 1984 Sep;7(3):237-44

[Social law and the physician-nurse-patient relation in health care in East Germany] Heusinger H, et al. **Z Arztl Fortbild (Jena)** 1985;79(12):511-4 **(Ger)**

NURSE PRACTITIONERS

Prescribing practices among nurse practitioners in adult and family health. Batey MV, et al. **Am J Public Health** 1985 Mar;75(3):258-62

Family nurse practitioner. McDowell HM. **Int Nurs Rev** 1984 Nov-Dec;31(6):177-9

Significant attitude changes among residents associated with a pediatric nurse practitioner. Pierce M, et al. **J Med Educ** 1985 Sep;60(9):712-8

Advanced licensure: mistake or necessity? Setting standards for specialty practice. Bittle S, et al. **J Psychosoc Nurs Ment Health Serv** 1984 Oct;22(10):26-8

The resolution of health problems in school children. Oda DS, et al. **J Sch Health** 1985 Mar;55(3):96-8

An analysis of news coverage of maternal-child nurses. Kalisch BJ, et al. **Matern Child Nurs J** 1984 Summer; 13(2):77-90

The trained nurse in general practice. Linn JT, et al. **Med J Aust** 1985 Jan 7;142(1):28-9

Group faculty practice. Nettles-Carlson B, et al. **Nurs Outlook** 1985 Jul-Aug;33(4):170-4

Adherence to health care regimens among elderly women. Chang BL, et al. **Nurs Res** 1985 Jan-Feb;34(1):27-31

A business for profit can help the NP role. Colls JP. **Nurse Pract** 1984 Sep;9(9):58, 60

Guide to private practice office planning. Dalton JB. **Nurse Pract** 1985 May;10(5):43-4, 47, 56

Acceptance of nurse practitioners: patient behavioral indicators. Facione NW, et al. **Nurse Pract** 1985 Jan; 10(1):54, 56-7

The obstetrics scope of practice of master's prepared FNPs. Glascock J, et al. **Nurse Pract** 1984 Dec;9(12):34, 36, 38

Political power for nurse practitioners. Goldwater M. **Nurse Pract** 1984 Nov;9(11):44-5, 49, 52

Dinner with the family as an effective assessment method [letter] Hardesty F. **Nurse Pract** 1984 Sep;9(9):57

New recommendations for high blood pressure control: guidelines for all NPs. Hill MN, et al. **Nurse Pract** 1985 Jul;10(7):35

Working with the chronically ill. Kodadek SM. **Nurse Pract** 1985 Mar;10(3):45-6, 48

Marketing strategies for competitive advantage. Lukacs J. **Nurse Pract** 1984 Sep;9(9):37-8, 40

Use of a physician consultant in a primary care nursing practice. Sadowski KO, et al. **Nurse Pract** 1985 Jun; 10(6):33-4, 36, 38

ECONOMICS

A report on the use of a family nurse practitioner to reduce industrial health care costs. Dellinger CJ, et al. **NC Med J** 1984 Dec;45(12):800-2

Capitalizing on the hidden job market. Ciocci G. **Nurse Pract** 1984 Dec;9(12):31-3

Cost-effectiveness of non-physician health care professionals. Poirier-Elliott E. **Nurse Pract** 1984 Oct;9(10):54-6

Cost-benefit analysis of a controlled trial of nurse therapy for neuroses in primary care. Ginsberg G, et al. **Psychol Med** 1984 Aug;14(3):683-90

EDUCATION

The nurse practitioner-physician team in nursing home practice. Panicucci C, et al. **Gerontol Geriatr Educ** 1984-85 Winter;5(2):55-64

Anatomy and physiology content in a primary care nurse-practitioner program. Fullerton JT, et al. **J Nurs Educ** 1984 Sep;23(7):317-9

Curriculum design for educating nurse practitioners in adolescent health care. Ruszala-Herbst J. **J Nurs Educ** 1985 Jan;24(1):37-9

Infant and preschool well-child care: master's- and nonmaster's-prepared pediatric nurse practitioners. Glascock J, et al. **Nurs Res** 1985 Jan-Feb;34(1):39-43

Assessing curriculum implementation: a process for identifying salient variables. Taunton RL. **Res Nurs Health** 1984 Sep;7(3):217-25

HISTORY

Perspectives 20 years later. From the pioneers of the nurse practitioner movement [interviews] Silver HK, et al. **Nurse Pract** 1985 Jan;10(1):15-8

LEGISLATION & JURISPRUDENCE

Proposed nursing legislation. Johnson J. **Nurse Pract** 1985 Apr;10(4):10, 12

Legal parameters of drug prescriptions by NPs. Kjervik DK. **Nurse Pract** 1985 Jul;10(7):44-5, 48

California Supreme Court defines standard of care for NPS. Moss KF. **Nurse Pract** 1985 May;10(5):39-40, 42

Nebraska NP legislation forgoes 'laundry' lists. Thomas C. **Nurse Pract** 1984 Oct;9(10):15

New York's power and politics [letter] Thomas MJ. **Nurse Pract** 1984 Nov;9(11):61-2

PSYCHOLOGY

Nurse/physician relations: a perspective from medicine. Rosenberg C. **Bull NY Acad Med** 1984 Oct;60(8):807-10

Dogmatism, age and change: a perspective of a nurse practitioner program. Ciurczak FM, et al. **J Nurs Educ** 1984 Nov;23(9):374-9

STANDARDS

In-patient nurse practitioners. Jones LC. **Nurse Pract** 1985 May;10(5):48, 50

UTILIZATION

Nurse practitioners step in to keep pace with growing day surgery. Kirkpatrick S. **AORN J** 1984 Dec;40(6):826-7

Estimates of the potential impact of nurse practitioners on future requirements for physicians in office-based general practice. Lomas J, et al. **Can J Public Health** 1985 Mar-Apr;76(2):119-23

Who should promote health and provide preventive care? A cautionary note [editorial] Southall HA. **Can Med Assoc J** 1985 Jul 15;133(2):97-9

Determining the market for nurse practitioner services: the

New Haven experience. Shamansky SL, et al. **Nurs Res** 1985 Jul-Aug;34(4):242-7

Readership survey results. Rise in patient encounters and prescription writing. **Nurse Pract** 1985 Apr;10(4):31-2

NURSERIES

[The effect of the use of saunas on morbidity due to respiratory diseases in children attending nurseries] Samánková L. **Cesk Pediatr** 1985 Aug;40(8):469-71 (Eng. Abstr.) **(Cze)**

[Analysis of the work of the district pediatrician in nurseries] Strnad S. **Cesk Pediatr** 1985 Apr;40(4):232-3 **(Cze)**

[Intestinal ecosystem of children living in communities] Benoni G, et al. **Clin Ter** 1985 Apr 15;113(1):49-53 (Eng. Abstr.) **(Ita)**

[Occupational cervicobrachial disorder (OCD) of nursery school teachers based on subjective symptoms related to OCD] Kurumatani N, et al. **Sangyo Igaku** 1984 Sep;26(5):389-96 (Eng. Abstr.) **(Jpn)**

ECONOMICS

[The economic efficiency of nurseries] Săulescu V. **Sante Publique (Bucur)** 1984;27(2):115-20 (Eng. Abstr.) **(Fre)**

STANDARDS

[The quality of nutrition of children in nurseries] Szponar L, et al. **Rocz Panstw Zakl Hig** 1985;36(1):42-9 (Eng. Abstr.) **(Pol)**

NURSERIES, HOSPITAL

Salmonella typhimurium epidemic in newborn nursery. Sasidharan CK, et al. **Indian J Pediatr** 1983 Nov-Dec;50(407):599-605

Rotavirus infection in normal nursery: epidemic and surveillance. Srinivasan G, et al. **Infect Control** 1984 Oct;5(10):478-81

Outbreak of Salmonella typhimurium gastroenteritis due to an imported strain resistant to ampicillin, chloramphenicol, and trimethoprim-sulfamethoxazole in a nursery. Lamb VA, et al. **J Clin Microbiol** 1984 Dec;20(6):1076-9

Rotavirus infections in high-risk neonates. Walther FJ, et al. **J Hosp Infect** 1984 Dec;5(4):438-43

Hepatitis A in neonatal care units: not rare enough? [editorial] Grady GF. **JAMA** 1984 Nov 16;252(19):2755

Nosocomial hepatitis A. A multinursery outbreak in Wisconsin. Klein BS, et al. **JAMA** 1984 Nov 16;252(19):2716-21

Effect of bright light in the hospital nursery on the incidence of retinopathy of prematurity. Glass P, et al. **N Engl J Med** 1985 Aug 15;313(7):401-4

Hazards to vision in the nursery [editorial] Sisson TR. **N Engl J Med** 1985 Aug 15;313(7):444-5

Increased risk of illness among nursery staff caring for neonates with necrotizing enterocolitis. Gerber AR, et al. **Pediatr Infect Dis** 1985 May-Jun;4(3):246-9

Controlling infections in the nursery. Siegel J. **Pediatr Infect Dis** 1985 May-Jun;4(3 Suppl):S36-41

Ambient light and phototherapy conditions of eight neonatal care units: a summary report. Landry RJ, et al. **Pediatrics** 1985 Feb;75(2 Pt 2):434-6

Nosocomial rotavirus infections in a South African hospital nursery for white infants. Oelofsen MJ, et al. **S Afr Med J** 1985 Sep 14;68(6):394-6

[Use of the neonatal unit in changing to a rooming-in system] Puchmeltr P, et al. **Cesk Gynekol** 1984 Dec;49(10):728-9 **(Cze)**

ECONOMICS

Impact of breast milk on the cost-effectiveness of the special care unit for the newborn. Daga SR, et al. **J Trop Pediatr** 1985 Apr;31(2):121-3

Neonatal back-transport. Cost-effectiveness. Bose CL, et al. **Med Care** 1985 Jan;23(1):14-9

TRENDS

An intermediate care nursery at Christchurch Women's Hospital: the first year. Darlow B. **NZ Med J** 1984 Nov 28;97(768):818-21

NURSERY SCHOOLS see **SCHOOLS, NURSERY**

NURSES

Computer-generated drug information notices for nurses. Parker WB, et al. **Am J Hosp Pharm** 1985 May;42(5):1113-4

New York City: a nurse metropolis. Ballman CS. **Am J Nurs** 1985 Apr;85(4):434, 437, 440, passim

Who will become the preferred providers? Griffith H. **Am J Nurs** 1985 May;85(5):538-42

Preferring our own providers [editorial] Mallison MB. **Am J Nurs** 1985 Apr;85(4):355

The bilateral job interview. The interviewee prepares. Myli AR, et al. **Am J Nurs** 1984 Oct;84(10):1238-41

Impact of a nurses strike on a medical center emergency department. O'Shaughnessy J. **Ann Emerg Med** 1984 Nov;13(11):1048-51

Nurses and physicians: prospects for collaboration [editorial] Makadon HJ, et al. **Ann Intern Med** 1985 Jul;103(1):134-6

Physician-nurse relationships. Prescott PA, et al. **Ann Intern Med** 1985 Jul;103(1):127-33

Nurses belong at the table of the ethics committee. Rothrock JC. **AORN J** 1985 Mar;41(3):527-8

In the game of politics, do not hesitate to say 'deal me in'. Rouse R. **AORN J** 1984 Oct;40(4):594-5

The circadian rhythms of serum prolactin in nurses working on a night shift. Aulitzky W, et al. **Arch Gynecol** 1984;236(2):73-5

Mutation frequency in nurses and pharmacists working with cytotoxic drugs. Chrysostomou A, et al. **Aust NZ J Med** 1984 Dec;14(6):831-4

Cytomegalovirus: an occupational hazard? Committee on Infectious Diseases and Immunization, Canadian Paediatric Society. **Can Med Assoc J** 1984 Oct 1;131(7):730

Tuberculosis in female nurses in British Columbia: implications for control programs. Burrill D, et al. **Can Med Assoc J** 1985 Jan 15;132(2):137-40

Factors affecting the nurse as a teacher and practicer of breast self-examination. Edgar L, et al. **Int J Nurs Stud** 1984;21(4):255-65

International consultation by United States nurses. Andrews MM. **Int Nurs Rev** 1985 Mar-Apr;32(2):50-4

Nurses and health policy. Holleran C. **Int Nurs Rev** 1985 Mar-Apr;32(2):43-5

Fifteen years of the ICN/3M Fellowship Programme. Marshall-Burnett S. **Int Nurs Rev** 1985 Mar-Apr;32(2):48-9

Spontaneous abortions and malformations in the offspring of nurses exposed to anaesthetic gases, cytostatic drugs, and other potential hazards in hospitals, based on registered information of outcome. Hemminki K, et al. **J Epidemiol Community Health** 1985 Jun;39(2):141-7

The human connection: the role of the nurse in organ donation. Weber P. **J Neurosurg Nurs** 1985 Apr;17(2):119-22

Cultivating minor mentors. Darling LA. **J Nurs Adm** 1985 Sep;15(9):41-2

Mentor types and life cycles. Darling LA. **J Nurs Adm** 1984 Nov;14(11):43-4

The effect of a nurse internship program on novice nurses' self-evaluation of clinical performance. Marchette L, et al. **J Nurs Adm** 1985 May;15(5):6-7

The technical competence of registered nurses in the administration of oral medications. Ignatavicius DD, et al. **J Nurs Educ** 1984 Oct;23(8):332-7

Self-preservation: treatment intervention for nurse impairment. Patrick PK. **J Subst Abuse Treat** 1984;1(3):169-77

Prevalence of cytomegalovirus antibodies in obstetric nurses. A study in a specialist metropolitan teaching hospital. Hatherley LI. **Med J Aust** 1985 Feb 4;142(3):186-9

Excretion of urinary catecholamines and plasma cortisol levels in female nurses on short-rotating shift. Panza G, et al. **Med Lav** 1985 Jan-Feb;76(1):30-4

Sister-chromatid exchanges in lymphocytes and mutagenicity in urine of nurses handling cytostatic drugs. Barale R, et al. **Mutat Res** 1985 Aug-Sep;157(2-3):235-40

Nurse use of general-purpose microcomputer software. Bellinger K, et al. **Nurs Outlook** 1985 Jan-Feb;33(1):22-5

Is there any empathy left for the nurses? Stevens BJ. **Nurs Outlook** 1985 Jan-Feb;33(1):58, 57

The doctor as victim: it can happen to you. Bloch EL, et al. **Ohio State Med J** 1985 Jul;81(7):475-84

The influence of discourse on collaboration among nurses, physicians, and consumers. Weiss SJ. **Res Nurs Health** 1985 Mar;8(1):49-59

[Corneal ulceration in connection with the use of bone cement] Nissen JN, et al. **Ugeskr Laeger** 1984 Dec 17;146(51):4038-9 (Eng. Abstr.) **(Dan)**

[Interdisciplinary strategies in prevention: contribution of nursing practitioners] Poletti RA. **Soz Praventivmed** 1985;30(3):168-9 (Eng. Abstr.) **(Fre)**

[The world of physicians, nurses and patients (letter)] **Orv Hetil** 1985 Jun 23;126(25):1565 **(Hun)**

[Current occupational pathology in medical personnel] Ashbel' SI. **Sov Med** 1984;(7):66-9 **(Rus)**

CLASSIFICATION

At issue: titling and licensure. Hood G. **Am J Nurs** 1985 May;85(5):592, 594

PSYCHOLOGY

Vietnam nurse veterans [letter] Amgott M. **Am J Nurs** 1985 Apr;85(4):368-9

Does your job work for you? Billings CV, et al. **Am J Nurs** 1985 Apr;85(4):407-9

You need someone older and wiser. Davis AJ. **Am J Nurs** 1984 Oct;84(10):1290-1

On the outside, looking in. Green A. **Am J Nurs** 1984 Nov;84(11):1398-9

Nurses speak out on patients and drug regimens. Moree NA. **Am J Nurs** 1985 Jan;85(1):51-4

Teacher, nurse, teacher. Spry C. **Am J Nurs** 1985 Mar;85(3):348

Go for it! Weyant HK. **Am J Nurs** 1985 Jul;85(7):850

Emotional distress in nurses at work. Livingston M, et al. **Br J Med Psychol** 1984 Sep;57 (Pt 3):291-4

Nurse-physician collaboration: a review of some barriers to its fulfillment. Speedling EJ. **Bull NY Acad Med** 1984 Oct;60(8):811-8

Nurse/physician relations: a perspective from nursing. Stevens BJ. **Bull NY Acad Med** 1984 Oct;60(8):799-806

Factors affecting nurses' decisions to medicate pediatric patients after surgery. Burokas L. **Heart Lung** 1985 Jul;14(4):373-9

Sex-role stereotype, self-concept, education and experience: do they influence decision-making? Joseph DH. **Int J Nurs Stud** 1985;22(1):21-32

Collective bargaining and organized nurses: correlation of support and participation. Beletz EE. **Int Nurs Rev** 1985 Jul-Aug;32(4):112-8

Meaning in suffering. Kreidler M. **Int Nurs Rev** 1984 Nov-Dec;31(6):174-6

Important clinical teacher behaviours as perceived by university nursing faculty, students and graduates. Knox JE, et al. **J Adv Nurs** 1985 Jan;10(1):25-30

Role conflicts in nursing and allied health: a comparison of professional and organizational commitment. Kraemer LG, et al. **J Allied Health** 1985 Feb;14(1):53-62

Nurses' perceptions of mental confusion in the elderly: influence of resident and setting characteristics. Morgan DL. **J Health Soc Behav** 1985 Jun;26(2):102-12

Nursing functions and computer support. Dowling AF Jr. **J Med Syst** 1985 Apr;9(1-2):91-6

Self-mentoring strategies. Darling LA. **J Nurs Adm** 1985 Apr;15(4):42-3

What to do about toxic mentors. Darling LA. **J Nurs Adm** 1985 May;15(5):43-4

What do nurses want in a mentor? Darling LA. **J Nurs Adm** 1984 Oct;14(10):42-4

'So you've never had a mentor ... not to worry'. Darling LA. **J Nurs Adm** 1984 Dec;14(12):38-9

Recognizing transference and countertransference. Schroder PJ. **J Psychosoc Nurs Ment Health Serv** 1985 Feb;23(2):21-6

Self-preservation: confronting the issue of nurse impairment. Patrick PK. **J Subst Abuse Treat** 1984;1(2):99-105

High expectations. Nurses who work with children who might die. Coody D. **Nurs Clin North Am** 1985 Mar;20(1):131-42

Factors that encourage nurses to remain in nursing. Ruffing KL, et al. **Nurs Forum** 1984;21(2):78-85

The telephone survey: a procedure for assessing educational needs of nurses. Hash V, et al. **Nurs Res** 1985 Mar-Apr;34(2):126-8

Professional and bureaucratic role conceptions and moral behavior among nurses. Ketefian S. **Nurs Res** 1985 Jul-Aug;34(4):248-53

A reexamination of nursing role conceptions. Kinney CK. **Nurs Res** 1985 May-Jun;34(3):170-6

Job satisfaction among recent graduates of schools of nursing. Munro BH. **Nurs Res** 1983 Nov-Dec;32(6):350-5

Work patterns of midlife female nurses. Nolan JW. **Nurs Res** 1985 May-Jun;34(3):150-4

Smoking behavior of nurses in western New York. Wagner TJ. **Nurs Res** 1985 Jan-Feb;34(1):58-60

The unification model in nursing: a study of receptivity among nurse educators in the United States. Yarcheski A, et al. **Nurs Res** 1985 Mar-Apr;34(2):120-5

SUPPLY & DISTRIBUTION

Manpower planning, fiscal restraint, and the 'demand' for health care personnel. Barer ML, et al. **Inquiry** 1984 Fall;21(3):254-65

The nursing shortage myth: living in the time of parenthesis. Riggs J, et al. **Nurs Forum** 1984;21(2):63-7

A life table analysis of the labor force participation of U.S. nurses, 1949 to 1980. Schoen DC, et al. **Res Nurs Health** 1985 Jun;8(2):105-16

UTILIZATION

Who should promote health and provide preventive care? Wilkins KC, et al. **Can Med Assoc J** 1985 Apr 15;132(8):903-5

NURSES' AIDES

Job turnover and job satisfaction among nursing home aides. Waxman HM, et al. **Gerontologist** 1984 Oct;24(5):503-9

NURSES, HEAD see **NURSING, SUPERVISORY**

NURSES, MALE

PSYCHOLOGY

Attitudes toward nursing as expressed by nursing and non-nursing college males. Johnson M, et al. **J Nurs Educ** 1984 Nov;23(9):387-92

The male nursing student as a token. Snavely BK, et al. **Res Nurs Health** 1984 Dec;7(4):287-94

NURSING

see related
NURSING, PRIVATE DUTY
NURSING, SUPERVISORY

1985 Directory of Nursing Organizations. **Am J Nurs** 1985 Apr;85(4):493-500

Books of the year. **Am J Nurs** 1984 Dec;84(12):1478-87

AJN job focus. The Texas point of view. Ballman CS. **Am J Nurs** 1985 Jun;85(6):701-14

Initialitis. Janowski MJ. **Am J Nurs** 1984 Nov;84(11):1450

Why choose nursing? London F. **Am J Nurs** 1985 Jan; 85(1):114
Use of the life history in pattern identification and health promotion. Bramwell L. **ANS** 1984 Oct;7(1):37-44
Toward greater specificity in defining nursing's metaparadigm. Conway ME. **ANS** 1985 Jul;7(4):73-81
Critique of 'The use of animals in nursing research'. Crowley MA, et al. **ANS** 1985 Jul;7(4):23-31
Hallmarks of success in nursing research. Fawcett J. **ANS** 1984 Oct;7(1):1-11
Role of strategic communication in nursing theory and research. Kasch CR, et al. **ANS** 1984 Oct;7(1):56-71
Critique: external comparison of conceptual nursing models. Nicoll LH, et al. **ANS** 1985 Jul;7(4):1-9
Practical discourse in nursing: going beyond empiricism and historicism. Thompson JL. **ANS** 1985 Jul;7(4):59-71
National quality assurance program--Royal Australian Nursing Federation. Pratt R. **Aust Clin Rev** 1984 Dec;(15):22-5
CINAHL list of subject headings: a nursing thesaurus revised. Fishel CC, et al. **Bull Med Libr Assoc** 1985 Apr;73(2):153-9
Factors influencing comprehension of information for informed consent: ethical implications for nursing research. Silva MC, et al. **Int J Nurs Stud** 1984;21(4):233-40
The Neuman Systems Model in nursing education: course development and implementation. Bourbonnais FF, et al. **J Adv Nurs** 1985 Mar;10(2):117-23
Deans identify factors which inhibit and facilitate nursing research. Copp LA. **J Adv Nurs** 1984 Sep;9(5):513-7
Designing nursing research: the qualitative-quantitative debate. Duffy ME. **J Adv Nurs** 1985 May;10(3):225-32
Has the discipline of nursing developed to the stage where nurses do 'think nursing'? Perry J. **J Adv Nurs** 1985 Jan; 10(1):31-7
Theory of nursing as curriculum content. Roberts KL. **J Adv Nurs** 1985 May;10(3):209-15
The funding market for nursing research. Salter B. **J Adv Nurs** 1985 Mar;10(2):155-63
Field Methods: Research in the natural setting. Wilson HS. **J Nurs Adm** 1985 Apr;15(4):5-7
Qualitative studies: from observations to explanations. Wilson HS. **J Nurs Adm** 1985 May;15(5):8-10
Research in nursing has a history. Wilson HS. **J Nurs Adm** 1984 Dec;14(12):4-5
Study designs: matching form with purpose. Wilson HS. **J Nurs Adm** 1985 Jan;15(1):7-8
Toward more clarity in terminology: frameworks, theories and models. Adam E. **J Nurs Educ** 1985 Apr;24(4):151-5
Attitudes toward nursing as expressed by nursing and non-nursing college males. Johnson M, et al. **J Nurs Educ** 1984 Nov;23(9):387-92
Sheltering abused women: a nursing perspective. Germain CP. **J Psychosoc Nurs Ment Health Serv** 1984 Sep; 22(9):24-31
Secure attachment revisited [letter] Goldberg C. **J Psychosoc Nurs Ment Health Serv** 1984 Jul;22(7):43
Self-help groups. Can they help? Newton G. **J Psychosoc Nurs Ment Health Serv** 1984 Jul;22(7):27-31
Prevention and health: the concern of nursing. Stilwell B. **J R Soc Health** 1985 Feb;105(1):31-4
The role of the nurse in Australia. **Med J Aust** 1985 Jan 7;142(1):58-9
Methods of information in nursing as seen from the U.K. [editorial] Barber B. **Methods Inf Med** 1984 Oct;23(4):173-5
Feminism and nursing. Chinn PL, et al. **Nurs Outlook** 1985 Mar-Apr;33(2):74-7
Ten hints for thesis survival. Johanson LS. **Nurs Outlook** 1985 Jul-Aug;33(4):208, 206
The perils and joys of collaborative research. Lancaster J. **Nurs Outlook** 1985 Sep-Oct;33(5):231-2, 238
Orchestrating a career. McBride AB. **Nurs Outlook** 1985 Sep-Oct;33(5):244-7
Nurses and doctors as healers. Masson V. **Nurs Outlook** 1985 Mar-Apr;33(2):70-3
International nursing: a force for knowledge development. Meleis AI. **Nurs Outlook** 1985 May-Jun;33(3):144-7
Qualitative vs. quantitative research or qualitative and quantitative research? Goodwin LD, et al. **Nurs Res** 1984 Nov-Dec;33(6):378-80
The research tradition of nursing: an emerging issue. Gorenberg B. **Nurs Res** 1983 Nov-Dec;32(6):347-9
Institutional sources of articles published in 13 nursing journals, 1978-1982. Hayter J. **Nurs Res** 1984 Nov-Dec; 33(6):357-62
Health policy and NIH: implications for nursing research. Larson E. **Nurs Res** 1984 Nov-Dec;33(6):352-6
Emerging content in nursing: an analysis of dissertation abstracts and titles: 1976-1982. Loomis ME. **Nurs Res** 1985 Mar-Apr;34(2):113-9
Reliability estimates: use and disuse. Lynn MR. **Nurs Res** 1985 Jul-Aug;34(4):254-6
The review process: navigating the system. Billingsley M, et al. **Nurse Pract** 1985 Apr;10(4):30, 34
Developing an instrument to measure attitudes toward nurses: preliminary psychometric findings. Hojat M, et al. **Psychol Rep** 1985 Apr;56(2):571-9
A reply to Collins and Fielder: the concept of theory. Beckstrand J. **Res Nurs Health** 1984 Sep;7(3):189-96
Post hoc tests following analysis of variance. Holm K, et al. **Res Nurs Health** 1985 Jun;8(2):207-10
Issues of conceptualization and measurement of social support in the construction of nursing theory. Tilden VF. **Res Nurs Health** 1985 Jun;8(2):199-206
Accidental dopamine in the eye. Strauss R. **West J Med** 1985 Mar;142(3):397-8
[Computers in nursing] Gebhardt AN. **Chung Hua Hu Li Tsa Chih** 1984 Aug;19(4):244-5 **(Chi)**
[An introduction to computers] Li T. **Chung Hua Hu Li Tsa Chih** 1984 Aug;19(4):242-3 **(Chi)**
[Devoting my lifetime to nursing work] Zhang BY. **Chung Hua Hu Li Tsa Chih** 1984 Aug;19(4):233-4 **(Chi)**
[Status and role of nursing in the medical care process] Dietze F. **ZFA** 1985 Mar-Apr;40(2):86-91 **(Ger)**

MANPOWER

The effective training of nurses: manpower implications. Reid NG. **Int J Nurs Stud** 1985;22(2):89-98

METHODS

Nursing care of the depressed patient: a cognitive approach. Helm SB. **Perspect Psychiatr Care** 1984 Jul-Sep;22(3):100-7

STANDARDS

Is nursing's self-regulatory power being eroded? Peplau H. **Am J Nurs** 1985 Feb;85(2):140-3
Nursing care: professional progress. Pembrey S. **J Adv Nurs** 1984 Nov;9(6):539-47

TRENDS

Florence Nightingale: yesterday, today, and tomorrow. Dennis KE, et al. **ANS** 1985 Jan;7(2):66-81
Changing to keep nursing from the brink of extinction. McWilliams RM. **AORN J** 1984 Oct;40(4):502-5
The universality of nursing: a comprehensive framework for practice. Chaves DE, et al. **Int Nurs Rev** 1985 Jan-Feb; 32(1):10-3
Nurses as a social force. Holleran C. **Int Nurs Rev** 1985 Jan-Feb;32(1):14-6
Accountable to whom? Styles M. **Int Nurs Rev** 1985 May-Jun;32(3):73-5
Nursing: past trends, future policies. White R. **J Adv Nurs** 1984 Sep;9(5):505-12
Altruism is not enough: barriers in the development of nursing as a profession. White R. **J Adv Nurs** 1984 Nov; 9(6):555-62
Bandwagons, parades, and panaceas. del Bueno DJ. **Nurs Outlook** 1985 May-Jun;33(3):136-8
Science and politics. The background and the issues surrounding the controversial proposal for a National Institute of Nursing. Jacox AK. **Nurs Outlook** 1985 Mar-Apr;33(2):78-84
Forecasting for nursing policy: a news-based image approach. Kalisch BJ, et al. **Nurs Res** 1985 Jan-Feb; 34(1):44-9
[Forms of and developmental trends in nursing] Schulz J. **ZFA** 1985 Mar-Apr;40(2):92-5 **(Ger)**

NURSING ASSESSMENT see under **NURSING PROCESS**

NURSING AUDIT

An introduction to the evaluation of nursing care: a review of the literature. Wright D. **J Adv Nurs** 1984 Sep; 9(5):457-67

METHODS

Process auditing in long term care facilities. Hewitt SM, et al. **QRB** 1985 Jan;11(1):6-15
A method for evaluating nursing practice in a community setting. Schmele JA. **QRB** 1985 Apr;11(4):115-22

STANDARDS

Nursing audits: pragmatic evaluation and assessment. Elbeik MA, et al. **Dimens Health Serv** 1985 Feb;62(2):34-5, 38
[Evaluation of nursing quality] Zhang ZX. **Chung Hua Hu Li Tsa Chih** 1985 Feb;20(1):35-6 **(Chi)**

NURSING CARE

How do I administer medication by NG? Birdsall C, et al. **Am J Nurs** 1984 Oct;84(10):1259-60, 1284
How accurate are your blood pressures? Birdsall C. **Am J Nurs** 1984 Nov;84(11):1414
Inspiring hope. Miller JF. **Am J Nurs** 1985 Jan;85(1):22-5
If your patient has contact lenses. Osguthorpe NC. **Am J Nurs** 1984 Oct;84(10):1255-6
Laminar air flow versus barrier nursing in marrow transplant recipients. Mahmoud HK, et al. **Blut** 1984 Nov; 49(5):375-81
Normal maternity care: whose responsibility? [editorial] Robinson S. **Br J Obstet Gynaecol** 1985 Jan;92(1):1-3
Efficacy of a district nurse programme in the follow-up of hypertensives. Lindholm L. **Fam Pract** 1984 Sep;1(3):173-7
The Donald P. Kent Memorial Lecture. Parent care as a normative family stress. Brody EM. **Gerontologist** 1985 Feb;25(1):19-29 (80 ref.)
Caregiving within kinship systems: is affection really necessary? Jarrett WH. **Gerontologist** 1985 Feb;25(1):5-10 (24 ref.)
A broad overview of developments in nursing education and their implications for the delivery of nursing care. Collins SM. **Int J Nurs Stud** 1984;21(3):201-8
Self-esteem: a closer look at clinical interventions. Meisenhelder JB. **Int J Nurs Stud** 1985;22(2):127-35
Nurse/patient dependency--is it iatrogenic? Miller A. **J Adv Nurs** 1985 Jan;10(1):63-9
The Betty Neuman Systems Model in nursing practice: a case study approach. Ross MM, et al. **J Adv Nurs** 1985 May;10(3):199-207
Creative nursing: processive care and more? Skeet M, et al. **J Adv Nurs** 1985 Jan;10(1):15-24
Infection control in the patient with AIDS. Ungvarski PJ. **J Hosp Infect** 1984 Dec;5 Suppl A:111-3
Challenges facing the distribution of an artificial-intelligence-based system for nursing. Evans S. **J Med Syst** 1985 Apr;9(1-2):79-89
Practice-based data set for a nursing information system. Gordon M. **J Med Syst** 1985 Apr;9(1-2):43-55
A proposed expert system for nursing practice. A springboard to nursing science. Ozbolt JG, et al. **J Med Syst** 1985 Apr; 9(1-2):57-68
An expert system for nursing practice. Clinical decision support. Ryan SA. **J Med Syst** 1985 Apr;9(1-2):29-41
Research in the clinical setting: potential barriers to implementation. Sayner NC. **J Neurosurg Nurs** 1984 Oct; 16(5):279-81
Nursing care analysis: a tool to develop problem solving. Bell SK, et al. **J Nurs Educ** 1985 Mar;24(3):118-21
Faculty practice policy. Bellinger K, et al. **J Nurs Educ** 1985 May;24(5):214-6
Assimilating the learning needs of RN students into the clinical practicum. Ryan MC. **J Nurs Educ** 1985 Mar; 24(3):128-30
Simulation in teaching clinical nursing. Whitis G. **J Nurs Educ** 1985 Apr;24(4):161-3
Intracoronary thrombolysis and percutaneous transluminal coronary angioplasty. Nursing implications. Bouman CC. **Nurs Clin North Am** 1984 Sep;19(3):397-409
The role of the nurse in modification of cardiac risk factors. Briody ME. **Nurs Clin North Am** 1984 Sep;19(3):387-96
Nurse acuity systems: CASH vs. GRASP (a determination of nurse staff requirements). Schroeder RE, et al. **Nurs Forum** 1984;21(2):72-7
The continuing care nurse. Gikow F, et al. **Nurs Outlook** 1985 Jul-Aug;33(4):195-7
A biopsychosocial view of human health. Shaver JF. **Nurs Outlook** 1985 Jul-Aug;33(4):186-91
Effect of an implemented fall prevention program on the frequency of patient falls. Rainville NG. **QRB** 1984 Sep; 10(9):287-91
Women and long term nursing care. Miller DB. **Women Health** 1985 Summer-Fall;10(2-3):29-38
[My experience after being a responsible nurse] Huang Y. **Chung Hua Hu Li Tsa Chih** 1984 Aug;19(4):235-6 **(Chi)**

INSTRUMENTATION

Air bags: an uplifting idea. Drinker PA, et al. **Am J Nurs** 1985 Feb;85(2):150-1

LEGISLATION & JURISPRUDENCE

Key court cases. Where are they now? Cushing M. **Am J Nurs** 1984 Dec;84(12):1469-70

METHODS

A nursing care plan for the handicapped student. Dunn JD. **J Sch Health** 1984 Sep;54(8):302-5

ORGANIZATION & ADMINISTRATION

Computers in nursing care: the state of the art. Andreoli K, et al. **Nurs Outlook** 1985 Jan-Feb;33(1):16-21

STANDARDS

Towards inclusive notions of 'patient' and 'nurse'. Bottorff JL, et al. **J Adv Nurs** 1984 Nov;9(6):549-53
Nursing care: professional progress. Pembrey S. **J Adv Nurs** 1984 Nov;9(6):539-47
An introduction to the evaluation of nursing care: a review of the literature. Wright D. **J Adv Nurs** 1984 Sep; 9(5):457-67
Restraint and seclusion. A standard and standard care plan. Roper JM, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Jun;23(6):18-23
California Supreme Court defines standard of care for NPS. Moss KF. **Nurse Pract** 1985 May;10(5):39-40, 42
Linking standards of care with nursing quality assurance--the SCORE method. Nichols AC, et al. **QRB** 1985 Feb; 11(2):57-63
Nursing intervention scoring system in management of a surgical intensive care unit. Alexander RH, et al. **South Med J** 1984 Oct;77(10):1248-52

TRENDS

Teaching nursing homes: their impact on public policy, patient care, and medical education. Williams C. **J Am Geriatr Soc** 1985 Mar;33(3):189-95
Nursing in China. Lyons MC. **J Neurosurg Nurs** 1985 Feb; 17(1):2-3
[Peculiarities of nursing in traditional Chinese medicine] Liu LZ. **Chung Hua Hu Li Tsa Chih** 1984 Oct;19(5):270-2 **(Chi)**
[Nursing practice in traditional Chinese medicine] Shu YL. **Chung Hua Hu Li Tsa Chih** 1984 Oct;19(5):273-4 **(Chi)**

NURSING ETHICS see ETHICS, NURSING

NURSING, HOME see HOME NURSING

NURSING HOMES

Home and nursing home care of the dependent elderly patient. Ham RJ. **Am Fam Physician** 1985 Jan;31(1):163-9
Pneumonia in the elderly: a nursing home perspective. Roth RM, et al. **Am Fam Physician** 1985 Feb;31(2):131-7 (9 ref.)
Special housing needs of the elderly patient. Shore H, et al. **Am Fam Physician** 1985 Jun;31(6):121-5
Influenza A/Philippines/2/82 outbreak in a nursing home: limitations of influenza vaccination in the aged. Arroyo JC, et al. **Am J Infect Control** 1984 Dec;12(6):329-34
Infections and infection risk in residents of long-term care facilities: a review of the literature, 1970-1984. Jackson MM, et al. **Am J Infect Control** 1985 Apr;13(2):63-77 (61 ref.)
What teaching nursing homes are teaching us. Huey FL. **Am J Nurs** 1985 Jun;85(6):678-83
The social integration of psychiatric patients in nursing homes. Shadish WR Jr, et al. **Am J Psychiatry** 1984 Oct;141(10):1203-7
Yield of routine annual laboratory screening in the institutionalized elderly. Domoto K, et al. **Am J Public Health** 1985 Mar;75(3):243-5
The immediate and subsequent outcomes of nursing home care. Lewis MA, et al. **Am J Public Health** 1985 Jul;75(7):758-62
The nursing home resident with dementia. Clinical care, ethics, and policy implications. Rango N. **Ann Intern Med** 1985 Jun;102(6):835-41
Antibiotic-resistant flora in nursing home patients admitted to the hospital. Gaynes RP, et al. **Arch Intern Med** 1985 Oct;145(10):1804-7
Dental survey of nursing home residents in South Australia. Walker BN. **Aust Dent J** 1984 Oct;29(5):305-7
Dietary intake in a group of institutionalised elderly and the effect of a fibre supplementation programme on nutrient intake and weight gain. Baghurst KI, et al. **Community Health Stud** 1985;9(2):99-108
Factors associated with the elderly falling in intermediate care facilities. Wells BG, et al. **Drug Intell Clin Pharm** 1985 Feb;19(2):142-5
Nursing homes: why primary care MDs should get involved. Weinberg AD, et al. **Geriatrics** 1985 Jan;40(1):21, 24
Participatory health seminars for nursing home residents: a model for multidisciplinary education. Clark PG. **Gerontol Geriatr Educ** 1984 Summer;4(4):75-84
The nurse practitioner-physician team in nursing home practice. Panicucci C, et al. **Gerontol Geriatr Educ** 1984-85 Winter;5(2):55-64
Lifetime risk of nursing home residency [letter] **Gerontologist** 1984 Oct;24(5):558-9
Implementing a teaching nursing home: lessons for research and practice. Aronson MK. **Gerontologist** 1984 Oct;24(5):451-4
The social readjustment value of becoming a nursing home resident. Gordon GK. **Gerontologist** 1985 Aug;25(4):398-402
From hospital to nursing home: the long-term care connection. Kane RL, et al. **Gerontologist** 1984 Dec;24(6):604-9
The natural history of nursing home patients. Lewis MA, et al. **Gerontologist** 1985 Aug;25(4):382-8
Coping with an intra-institutional relocation: changes in resident and staff behavior patterns. Moos RH, et al. **Gerontologist** 1984 Oct;24(5):495-502
The development of an intergenerational service-learning program at a nursing home. Newman S, et al. **Gerontologist** 1985 Apr;25(2):130-3
An application of reminiscence in an activity setting. Perschbacher R. **Gerontologist** 1984 Aug;24(4):343-5
Nursing home friendships. Retsinas J, et al. **Gerontologist** 1985 Aug;25(4):376-81
There was nothing else to do: needs for care before nursing home admission. Smallegan M. **Gerontologist** 1985 Aug;25(4):364-9
Patients' anticipation of stress in nursing home care. Stein S, et al. **Gerontologist** 1985 Feb;25(1):88-94
Job turnover and job satisfaction among nursing home aides. Waxman HM, et al. **Gerontologist** 1984 Oct;24(5):503-9
Health promotion in long-term care: a contradiction in terms? Minkler M. **Health Educ Q** 1984 Spring;11(1):77-89
Mental illness among nursing home patients. Rovner BW, et al. **Hosp Community Psychiatry** 1985 Feb;36(2):119-20, 128
First experiences with ICIDH in Australia's largest nursing home. Last PM. **Int Rehabil Med** 1985;7(2):63-6
An epidemic of scabies with unusual features and treatment resistance in a nursing home. Moberg SA, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 1):242-4
Comparison of hospitalization between nursing home and community residents. Gabow PA, et al. **J Am Geriatr Soc** 1985 Aug;33(8):524-9
Incidence of polypharmacy in a long-term care facility. Kalchthaler T, et al. **J Am Geriatr Soc** 1977 Jul;25(7):308-13
Factors associated with early demise in nursing home residents: a case control study. Lichtenstein MJ, et al. **J Am Geriatr Soc** 1985 May;33(5):315-9
Epidemic tuberculosis in a nursing home: a retrospective cohort study. Narain JP, et al. **J Am Geriatr Soc** 1985 Apr;33(4):258-63
Management of urinary incontinence in Veterans Administration nursing homes. Ouslander JG, et al. **J Am Geriatr Soc** 1985 Jan;33(1):33-40
Use of influenza vaccine in nursing homes. Patriarca PA, et al. **J Am Geriatr Soc** 1985 Jul;33(7):463-6
Evaluation of urinary catheterization and urinary incontinence in a general nursing home population. Ribeiro BJ, et al. **J Am Geriatr Soc** 1985 Jul;33(7):479-82
1984 hospital and nursing home strike [letter] Taubman LB. **J Am Geriatr Soc** 1985 Jul;33(7):510
Teaching nursing homes: their impact on public policy, patient care, and medical education. Williams C. **J Am Geriatr Soc** 1985 Mar;33(3):189-95
The management of dehydration and incontinence in nonambulatory geriatric patients. Spangler PF, et al. **J Appl Behav Anal** 1984 Fall;17(3):397-401
Sexuological problems in nursing-homes: a methodology for investigation. Fonzo D, et al. **J Endocrinol Invest** 1985;8 Suppl 2:131-41
An outbreak of calicivirus associated gastroenteritis in an elderly persons home. A possible zoonosis? Humphrey TJ, et al. **J Hyg (Lond)** 1984 Oct;93(2):293-9
Nursing home glaucoma and visual acuity screening results in Garfield County. Newell SW, et al. **J Okla State Med Assoc** 1985 Jan;78(1):16-8
The role of the teaching nursing home in residency education. Walls LL, et al. **J Okla State Med Assoc** 1985 Mar;78(3):72-7
Dental treatment and demand for services in a Veterans Administration Nursing Home Care Unit. Benson BH, et al. **J Public Health Dent** 1984 Fall;44(4):147-55
Efficacy of influenza vaccine in nursing homes. Reduction in illness and complications during an influenza A (H3N2) epidemic. Patriarca PA, et al. **JAMA** 1985 Feb 22;253(8):1136-9
Nursing home patients admitted to a medical intensive care unit. Goldstein RL, et al. **Med Care** 1984 Sep;22(9):854-62
Determinants of nursing home discharge status. Weissert WC, et al. **Med Care** 1985 Apr;23(4):333-43
Outbreaks of influenza among nursing home residents--Connecticut, United States. **MMWR** 1985 Aug 9;34(31):478-82
Tuberculosis: new views of an old disease [editorial] Davidson PT. **N Engl J Med** 1985 Jun 6;312(23):1514-5
Tuberculosis as an endemic and nosocomial infection among the elderly in nursing homes. Stead WW, et al. **N Engl J Med** 1985 Jun 6;312(23):1483-7
Survey of dental services in nursing homes in western New York State. Saunders RH, et al. **NY State Dent J** 1985 Jan;51(1):33-4, 36-7
Perceived hassles and uplifts among nursing home residents. Miller MJ, et al. **Psychol Rep** 1984 Aug;55(1):277-8
Outcome of admissions of elderly people to hospitals and homes: a survey and follow-up. Donaldson LJ, et al. **Public Health** 1984 Sep;98(5):270-6
Predicting the outcome of hospitalization for elderly persons: home versus nursing home. Wachtel TJ, et al. **South Med J** 1984 Oct;77(10):1283-5, 1290
Predictors of nursing home placement of patients with Alzheimer's disease. Hutton JT, et al. **Tex Med** 1985 Jul;81(7):40-3
Women and long term nursing care. Miller DB. **Women Health** 1985 Summer-Fall;10(2-3):29-38
[Acceptance of deviant behavior in somatic nursing homes in the County of Aarhus] Barner-Rasmussen P. **Ugeskr Laeger** 1985 May 13;147(20):1643-7 (Eng. Abstr.) **(Dan)**
[Admission to nursing homes for limited periods. An alternative to hospital admission] Jensen EG. **Ugeskr Laeger** 1984 Jun 25;146(26):1963-5 (Eng. Abstr.) **(Dan)**
[Patients waiting for nursing home beds in a central hospital] Jensen TT, et al. **Ugeskr Laeger** 1985 Apr 22;147(17):1433-6 (Eng. Abstr.) **(Dan)**
[Vitamin C deficiency in patients in a nursing home] Berkhout AM, et al. **Tijdschr Gerontol Geriatr** 1985 Feb;16(1):3-7 (Eng. Abstr.) **(Dut)**
[Drug utilization in 3 nursing homes for somatic patients] Merkus JW, et al. **Tijdschr Gerontol Geriatr** 1985 Jun;16(3):87-95 (Eng. Abstr.) **(Dut)**
[Care of chronically ill geriatric patients with the cooperation of relatives] Huber F, et al. **Z Gerontol** 1984 Jul-Aug;17(4):205-8 (Eng. Abstr.) **(Ger)**
[Situation of drinking among the aged--from the survey of the toll nursing home] Sugita T, et al. **Arukoru Kenkyuto Yakubutsu Ison** 1984 Mar;19(1):19-31 (Eng. Abstr.) **(Jpn)**
[Senile dementia. An underdiagnosed condition? Consequences influencing the situation in somatic nursing homes] Nygaard HA. **Tidsskr Nor Laegeforen** 1985 Feb 20;105(5):351-2 (Eng. Abstr.) **(Nor)**
[Use of cathartics in small health institutions before and after instruction and written directions] Solheim G, et al. **Tidsskr Nor Laegeforen** 1984 Sep 20;104(26):1847-8 (Eng. Abstr.) **(Nor)**

ECONOMICS

The elderly's private insurance coverage of nursing home care. Cafferata GL. **Am J Public Health** 1985 Jun;75(6):655-6
Estimating patient-level nursing home costs. Schlenker RE, et al. **Health Serv Res** 1985 Apr;20(1):103-28
Estimating 'reasonable cost' of Medicaid patient care using a patient-mix index. Tamura H, et al. **Health Serv Res** 1985 Apr;20(1):27-42
Nursing home case-mix differences between Medicare and non-Medicare and between hospital-based and freestanding patients. Shaughnessy PW, et al. **Inquiry** 1985 Summer;22(2):162-77
Public policy and the nursing home industry. Harrington C. **Int J Health Serv** 1984;14(3):481-90
State rate-setting and its effects on the cost of nursing-home care. Holahan J. **J Health Polit Policy Law** 1985 Winter;9(4):647-67
Home health care vs. nursing home care for the elderly. Powers JS, et al. **J Tenn Med Assoc** 1985 Apr;78(4):227-30
Threat to the development of the teaching nursing home. Libow LS, et al. **JAMA** 1985 Feb 22;253(8):1166

HISTORY

The legalization of mercy killings in medical and nursing institutions in Nazi Germany from 1938 until 1941. A commented documentation. Aly G, et al. **Int J Law Psychiatry** 1984;7(2):145-63

LEGISLATION & JURISPRUDENCE

Infection control: nursing home liability. Hayes JB. **Am J Infect Control** 1984 Dec;12(6):335-8
Wronged rights in nursing homes. Cushing M. **Am J Nurs** 1984 Oct;84(10):1213, 1216, 1218
Nursing home residents' right to refuse treatment. Eichler BL. **J Med Soc NJ** 1985 May;82(5):359-61

MANPOWER

Nursing home patients underserved [letter] Shepard M, et al. **JAMA** 1985 Jan 18;253(3):343

ORGANIZATION & ADMINISTRATION

Identification and ranking of stressors in nursing home administration. Mullen WE. **Gerontologist** 1985 Aug;25(4):370-5
Academic affiliation with a nursing home. Impact on patient outcome. Jahnigen DW, et al. **J Am Geriatr Soc** 1985 Jul;33(7):472-8
Survey of hypnotic drug use in nursing homes. James DS. **J Am Geriatr Soc** 1985 Jun;33(6):436-9
[Democratization policy for nursing homes: the pitfalls of the well-balanced administrative composition] Coolen JA. **Tijdschr Gerontol Geriatr** 1984 Aug;15(4):155-8 **(Dut)**
[Managerial and democratic thinking can go together; the pitfalls of an administrative approach. A comment] Verdult CM. **Tijdschr Gerontol Geriatr** 1984 Aug;15(4):158-60 **(Dut)**

STANDARDS

Good medical care in nursing homes [editorial] Golodetz A. **Am J Public Health** 1985 Mar;75(3):227
Notes for nursing homes. Anderson B. **Aust Clin Rev** 1985 Mar;(16):44-6
Drug misuse in nursing homes: an institutional addiction? Waxman HM, et al. **Hosp Community Psychiatry** 1985 Aug;36(8):886-7
Complaints--fining and citation. **Iowa Med** 1985 Apr;75(4):185-6
Quality of care in Iowa nursing homes. **Iowa Med** 1984 Aug;74(8):353-4

SUPPLY & DISTRIBUTION

Senile dementia: public policy and adequate institutional care. Brody EM, et al. **Am J Public Health** 1984 Dec;74(12):1381-3

TRENDS

Teaching nursing homes: prospects for improving long-term care. Aiken LH, et al. **J Am Geriatr Soc** 1985 Mar;33(3):196-201
[Rehabilitation instead of resignation. Must the nursing home be the end station?] Mäurer HC. **Rehabilitation (Stuttg)** 1985 Feb;24(1):1-5 (Eng. Abstr.) **(Ger)**

UTILIZATION

Nursing home care as an alternative to psychiatric hospitalization. A Veterans Administration Cooperative Study. Linn MW, et al. **Arch Gen Psychiatry** 1985 Jun;42(6):544-51
Nursing home utilization patterns for all Manitoba admissions, 1974-1981. Shapiro E, et al. **Gerontologist** 1984 Dec;24(6):610-5
An analysis of the heterogeneity of U.S. nursing home patients. Manton KG, et al. **J Gerontol** 1985 Jan;40(1):34-46
Nursing homes after nuclear war: neglected medical resources [letter] Sherman FT. **JAMA** 1985 Mar 8;253(10):1390-1
Impact of policy and procedure changes on hospital days among diabetic nursing-home residents--Colorado. **MMWR** 1984 Nov 9;33(44):621-4, 629
Nursing home residency after head injury. Fife D, et al. **Public Health Rep** 1985 May-Jun;100(3):336-40

[Control of allocation through decision making on requests for care. Study of indications for nursing homes] Coolen JA, et al. **Tijdschr Gerontol Geriatr** 1985 Jun;16(3):97-108 (Eng. Abstr.) **(Dut)**

[Evaluation of the level of dependency of persons placed in establishments for chronic patients. Development of a survey instrument and studies of validity, pertinence and performance] Lehmann P, et al. **Soz Praventivmed** 1984; 29(4-5):185-6 (Eng. Abstr.) **(Fre)**

NURSING, MILITARY AND NAVAL see **MILITARY NURSING**

NURSING, ONCOLOGIC see **ONCOLOGIC NURSING**

NURSING, PRACTICAL

Health protection: attitudes and behaviors of LPNs, teachers, and college students. Turk DC, et al. **Health Psychol** 1984; 3(3):189-210

NURSING, PRIVATE DUTY

An independent labor-support nursing service. Peddicord K, et al. **JOGN Nurs** 1984 Sep-Oct;13(5):312-6

NURSING PROCESS

How do you interpret pulses? Birdsall C. **Am J Nurs** 1985 Jul;85(7):785-6

Is the problem a nursing diagnosis? Carpenito LJ. **Am J Nurs** 1984 Nov;84(11):1418-9

Nursing diagnosis. Looking at the whole. Newman MA. **Am J Nurs** 1984 Dec;84(12):1496-9

Assessment-driven patient care records. Nolan-Avila LS, et al. **Am J Nurs** 1985 Jun;85(6):721-2

The thoracic patient. Physical assessment of the chest. Appenheimer L. **AORN J** 1984 Nov;40(5):732-7

Benign prostatic hyperplasia. Knowing pathophysiology aids assessment. Lawler PE. **AORN J** 1984 Nov;40(5):745-50

Peripheral vascular surgery. Postoperative assessment. Pairitz D. **AORN J** 1984 Nov;40(5):712-5

Gastrointestinal assessment. Identifying significant problems. Patras AZ, et al. **AORN J** 1984 Nov;40(5):726-31

The craniotomy patient. Identifying the patient's neurological status. Savoy SM. **AORN J** 1984 Nov;40(5):716-24

The orthopedic patient. Identifying neurovascular injury. Urbanski PA. **AORN J** 1984 Nov;40(5):707-11

The cardiac surgical patient. Guidelines for assessment. Walsh M. **AORN J** 1984 Nov;40(5):739-43

Postanesthesia scoring system. Discharging ambulatory surgery patients. Wetchler BV. **AORN J** 1985 Feb; 41(2):382-4

A daily living functional health status perspective for nursing diagnosis and treatment in critical care nursing. Carnevali DL. **Heart Lung** 1985 Sep;14(5):437-43

Nutritional assessment of the patient undergoing surgery. Keithley JK. **Heart Lung** 1985 Sep;14(5):449-56

Diagnostic reasoning in critical care nursing. Putzier DJ, et al. **Heart Lung** 1985 Sep;14(5):430-7

A proposal for two new nursing diagnoses: potential for organ failure and potential for tissue destruction. Steele D, et al. **Heart Lung** 1985 Sep;14(5):426-30

Nursing diagnosis in critical care: reflections and future directions. Wake MM, et al. **Heart Lung** 1985 Sep; 14(5):444-8

'The more things change the more they stay the same': factors affecting the implementation of the nursing process. Milne D. **J Adv Nurs** 1985 Jan;10(1):39-45

Infection control and the nursing process--making the best use of resources. Ashworth P. **J Hosp Infect** 1984 Dec;5 Suppl A:35-44

A needs assessment of significant others following the patient's spinal cord injury. Stanton GM. **J Neurosurg Nurs** 1984 Oct;16(5):253-6

Perceptual dysfunction: nursing assessment and management. Wyness MA. **J Neurosurg Nurs** 1985 Apr;17(2):105-10

The community assessment assignment: process or product. Baker DJ, et al. **J Nurs Educ** 1985 May;24(5):211-4

Looking at teaching through the nursing process. Frisbie DA. **J Nurs Educ** 1984 Nov;23(9):401-3

Ambulatory pediatric screening: a valuable learning experience for nursing students. Juarez SP. **J Nurs Educ** 1985 Mar;24(3):121-2

Community assessment--a risk factor analysis. McCarthy NC, et al. **J Nurs Educ** 1984 Nov;23(9):398-401

Use of an example flow sheet in teaching the nursing process to beginning baccalaureate students. Taylor JA, et al. **J Nurs Educ** 1985 May;24(5):207-10

The nurses' role and length of stay [letter] Halloran EJ, et al. **Med Care** 1985 Sep;23(9):1122-6

Assessing the educational needs of post-myocardial infarction patients. Moynihan M. **Nurs Clin North Am** 1984 Sep; 19(3):441-7

Professional labeling: the authors respond [letter] Hagey R, et al. **Nurs Outlook** 1985 Mar-Apr;33(2):66-7

Nursing diagnosis at the art museum. Hoshiko BR. **Nurs Outlook** 1985 Jan-Feb;33(1):32-6

On nursing diagnosis [letter] Shymaniv I. **Nurs Outlook** 1985 Jan-Feb;33(1):46-7

The process of theory analysis [letter] **Nurs Res** 1983 Nov-Dec;32(6):381-3

Helping and nursing models. Cronenwett LR. **Nurs Res** 1983 Nov-Dec;32(6):342-6

Nursing students' assessments of behaviorally self-blaming rape victims. Damrosch SP. **Nurs Res** 1985 Jul-Aug; 34(4):221-4

An approach to infertility investigation. Draye MA. **Nurse Pract** 1985 Feb;10(2):13-4, 16, 21-2

Dinner with the family as an effective assessment method [letter] Hardesty F. **Nurse Pract** 1984 Sep;9(9):57

[Primary nursing and the nursing process] Lin JY. **Chung Hua Hu Li Tsa Chih** 1984 Oct;19(5):257-60 **(Chi)**

[How to observe symptoms] Wang QF. **Chung Hua Hu Li Tsa Chih** 1984 Aug;19(4):227-8 **(Chi)**

[A new functional schema. III. Employment] Sørensen KH, et al. **Ugeskr Laeger** 1984 Jun 18;146(25):1884-7 (Eng. Abstr.) **(Dan)**

METHODS

Assessing the elderly. 1. System by system. Burggraf V, et al. **Am J Nurs** 1985 Sep;85(9):974-84

Diagnostics: Actual, potential, or possible? Carpenito LJ. **Am J Nurs** 1985 Apr;85(4):458

The dilemma of physiological problems. Eliminating the double standard. Jacoby MK. **Am J Nurs** 1985 Mar; 85(3):281, 285

The dilemma of physiological problems. Without collaboration, what's left? Kim MJ. **Am J Nurs** 1985 Mar; 85(3):281, 284

Nursing diagnosis in long-term care. Rantz M, et al. **Am J Nurs** 1985 Aug;85(8):916-7, 926

A theoretical approach to nursing assessment. Campbell J, et al. **J Adv Nurs** 1985 Mar;10(2):111-5

Computerization of patient acuity and nursing care planning. New approach to improved patient care and cost-effective staffing. Adams R, et al. **J Nurs Adm** 1985 Apr;15(4):11-7

ORGANIZATION & ADMINISTRATION

[The scientific organization of work and midlevel health workers] Stastná M. **Cesk Zdrav** 1985 Mar;33(3):138-44 (Eng. Abstr.) **(Cze)**

STANDARDS

How reliable is the diagnosis by the ambulance nurse in case of accidental injuries? Visser G, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:93-5

Symposium on nursing diagnosis in critical care. Overview. Tanner CA. **Heart Lung** 1985 Sep;14(5):423-6

Quality assurance. Evaluate thyself. Maciorowski LF, et al. **J Nurs Adm** 1985 Jun;15(6):38-42

Process auditing in long term care facilities. Hewitt SM, et al. **QRB** 1985 Jan;11(1):6-15

NURSING RECORDS

Documenting post-anesthesia recovery. Andrews DR, et al. **Am J Nurs** 1985 Mar;85(3):290-1

Short form for short stay. Bru GA, et al. **Am J Nurs** 1985 Apr;85(4):401-3

Assessment-driven patient care records. Nolan-Avila LS, et al. **Am J Nurs** 1985 Jun;85(6):721-2

Promotion of interdisciplinary practice through an automated information system. Swenson-Feldman E, et al. **ANS** 1985 Jul;7(4):39-47

Documenting nursing during local procedures. Speelman JA. **AORN J** 1985 Mar;41(3):644, 647

[Scientific organization of work in hospital activities] Kamyshanskiĭ OA, et al. **Sov Zdravookhr** 1984;(8):36-9 **(Rus)**

STANDARDS

Charting for dollars. Hoke JL. **Am J Nurs** 1985 Jun; 85(6):658-60

[How to write nursing records] Yin AY. **Chung Hua Hu Li Tsa Chih** 1985 Jun;20(3):142-3 **(Chi)**

NURSING SERVICE, HOSPITAL

Lactation nurse increases duration of breast feeding. Jones DA, et al. **Arch Dis Child** 1985 Aug;60(8):772-4

NISS: prelude to computerized systems. Gammel M, et al. **Dimens Health Serv** 1984 Aug;61(8):18-9

Nursing functions and computer support. Dowling AF Jr. **J Med Syst** 1985 Apr;9(1-2):91-6

The Neuman Systems Model in practice. Planning phase. Capers CF, et al. **J Nurs Adm** 1985 May;15(5):29-38

Using a PERT planning network. To manage a nursing service computer system installation. Fralic MF. **J Nurs Adm** 1984 Dec;14(12):29-31

Developing a department newsletter. Salome PB. **J Nurs Adm** 1985 Mar;15(3):36-41

The nurses' role and length of stay [letter] Halloran EJ, et al. **Med Care** 1985 Sep;23(9):1122-6

Faculty practice that works: two examples. We call it clinical consultancy. Polifroni EC, et al. **Nurs Outlook** 1985 Sep-Oct;33(5):226-8

[Primary nursing in the hospital] Wu XZ. **Chung Hua Hu Li Tsa Chih** 1984 Oct;19(5):265-9 **(Chi)**

ECONOMICS

Union busters. Ballman CS. **Am J Nurs** 1985 Sep;85(9):962-6

At Congress, HCFA Administrator Carolyne Davis told the future of the prospective payment system [interview by Susan S. Klann] Davis C. **AORN J** 1985 May;41(5):930-8

Survey predicts nursing budget cutbacks. **Hospitals** 1985 Aug 16;59(16):116

Patient classification systems and the nursing department. Bermas NF, et al. **Hospitals** 1984 Nov 16;58(22):99-100

Reflections on the cost of hospital nursing: a comparison of factors affecting time distribution in ward, theatre and outpatient departments. Monks J. **J Adv Nurs** 1985 Mar; 10(2):103-10

Do DRG reimbursement rates reflect nursing costs? Mowry MM, et al. **J Nurs Adm** 1985 Jul-Aug;15(7-8):29-35

Accounting for nursing costs by DRG. Reschak GL, et al. **J Nurs Adm** 1985 Sep;15(9):15-20

LEGISLATION & JURISPRUDENCE

First, anticipate the harm. . . Cushing M. **Am J Nurs** 1985 Feb;85(2):137-8

MANPOWER

The relationship between nurse staffing policies and nursing budgets. Hancock WM, et al. **Health Care Manage Rev** 1984 Fall;9(4):21-6

The effective training of nurses: manpower implications. Reid NG. **Int J Nurs Stud** 1985;22(2):89-98

Managing staff cutbacks. Darling LA, et al. **J Nurs Adm** 1985 Jan;15(1):29-34

Use of physician-hired nurses. A survey. Rustia J, et al. **J Nurs Adm** 1985 Sep;15(9):35-40

Nursing algorithms. Thornton LM. **J Nurs Adm** 1985 Jan; 15(1):11-5

Comparing acuity among hospitals. Who has the sickest patients? Vaughan RG, et al. **J Nurs Adm** 1985 May; 15(5):25-8

Formulating a managerial strategy for part-time nurses. Wakefield DS, et al. **J Nurs Adm** 1985 Jan;15(1):35-9

Decision-modeling methods used to design decision support systems for staffing. Nutt PC. **Med Care** 1984 Nov; 22(11):1002-13

ORGANIZATION & ADMINISTRATION

A study of the dependency of elderly patients in wards using different methods of nursing care. Miller A. **Age Ageing** 1985 May;14(3):132-8

Which nursing information system? Steffan S. **Am J Nurs** 1984 Dec;84(12):1527-8

Foothills Hospital expands nurse manager role. Boutillier E, et al. **Dimens Health Serv** 1984 Oct;61(9):34-5, 42

Measuring workload--a nursing WISH. Dunlop N, et al. **Dimens Health Serv** 1983 Oct;60(10):40

Primary nursing or total patient care? Hylands J, et al. **Dimens Health Serv** 1984 Oct;61(9):36

Nursing decentralization: what happens on the unit? Lowe E. **Dimens Health Serv** 1984 Aug;61(8):16-7

Evaluation of a contract model for professional nursing practice. Dear MR, et al. **Health Care Manage Rev** 1985 Spring;10(2):65-77

Computer-based information systems models. Perspectives for nursing. Partin MH, et al. **J Med Syst** 1985 Apr; 9(1-2):5-18

Computerization of patient acuity and nursing care planning. New approach to improved patient care and cost-effective staffing. Adams R, et al. **J Nurs Adm** 1985 Apr;15(4):11-7

Getting on top of organizational change. Part 1. Process and development. Beyers M. **J Nurs Adm** 1984 Oct;14(10):32-9

Gamesmanship: the art of strategizing. Cavanaugh DE. **J Nurs Adm** 1985 Apr;15(4):38-41

Decentralization reduces nursing administration budget. Fanning JA, et al. **J Nurs Adm** 1985 May;15(5):19-24

The grievance-arbitration process. The experience of one nursing administration. Fay MS, et al. **J Nurs Adm** 1985 Jun;15(6):11-6

Retrenchment. How nurse executives cope. Feldman J, et al. **J Nurs Adm** 1985 Jun;15(6):31-7

Microcomputers in nursing administration. A software overview. Finkler SA. **J Nurs Adm** 1985 Apr;15(4):18-23

The tenure of directors of nursing. Freund CM. **J Nurs Adm** 1985 Feb;15(2):11-5

Work sampling. Analyzing nursing staff productivity. Hagerty BK, et al. **J Nurs Adm** 1985 Sep;15(9):9-14

Improving nursing morale in a climate of cost containment. Part 1. Organizational assessment. Haw MA, et al. **J Nurs Adm** 1984 Oct;14(10):8-15

Improving nursing morale in a climate of cost containment. Part 2. Program planning. Haw MA, et al. **J Nurs Adm** 1984 Nov;14(11):10-5

A finger on the pulse of change. Hoffman FM. **J Nurs Adm** 1985 Apr;15(4):24-6

Projecting supply expenses. Hoffman FM. **J Nurs Adm** 1985 Jun;15(6):21-4

Unifying education and service. What's the point?[editorial] Kerfoot KM, et al. **J Nurs Adm** 1984 Nov;14(11):8

Patient abuse should be your concern. LaRocco SA. **J Nurs Adm** 1985 Apr;15(4):27-31

The physician as a nursing service customer. Luciano K, et al. **J Nurs Adm** 1985 Jun;15(6):17-20

Improving the nursing climate for cost containment. Madsen NL, et al. **J Nurs Adm** 1985 Mar;15(3):11-6

Developing a productive nursing research program in a clinical institution. Marchette L. **J Nurs Adm** 1985 Mar;

15(3):25–30

Role clarification. A prerequisite to autonomy. Singleton EK, et al. **J Nurs Adm** 1984 Oct;14(10):17–22

Assessment center technology. Selecting head nurses. Sullivan EJ, et al. **J Nurs Adm** 1985 May;15(5):13–8

Building a classification system that works. Unger J. **J Nurs Adm** 1985 Jul–Aug;15(7–8):18–24

Primary nursing. Teamwork is the answer. Weeks LC, et al. **J Nurs Adm** 1985 Sep;15(9):21–6

A clinical nurse specialist in a line management position. Williams LB, et al. **J Nurs Adm** 1985 Jan;15(1):20–6

Second generation primary nursing. A new agenda. Zander K. **J Nurs Adm** 1985 Mar;15(3):18–24

Cost effectiveness of computerization in nursing practice and administration. Zielstorff RD. **J Nurs Adm** 1985 Feb; 15(2):22–6

Patient classification system: a link between diagnosis-related groupings and acuity factors. Sherrod SM. **Milit Med** 1984 Sep;149(9):506–11

Management by objectives (MBO) (as applied to nursing service). Fain JA, et al. **Nurs Forum** 1984;21(2):68–71

Nurse acuity systems: CASH vs. GRASP (a determination of nurse staff requirements). Schroeder RE, et al. **Nurs Forum** 1984;21(2):72–7

Computers in nursing care: the state of the art. Andreoli K, et al. **Nurs Outlook** 1985 Jan–Feb;33(1):16–21

Sabbaticals: not for teachers only! Curran CR. **Nurs Outlook** 1985 Mar–Apr;33(2):92–4

It often falls short of nirvana, but.... O'Neill E. **Nurs Outlook** 1985 Sep–Oct;33(5):229–30

[Possibilities for improving management are real] Dolenská E, et al. **Cesk Zdrav** 1985 Apr;33(4):185–90 (Eng. Abstr.) **(Cze)**

[Scientific organization of work in hospital activities] Kamyshanskiĭ OA, et al. **Sov Zdravookhr** 1984;(8):36–9 **(Rus)**

[Evaluation of the burden of acute and long-term patient care--primary guidelines in nursing care planning?] Karlson B, et al. **Lakartidningen** 1985 Feb 27;82(9):721–4 **(Swe)**

STANDARDS

Nursing audits: pragmatic evaluation and assessment. Elbeik MA, et al. **Dimens Health Serv** 1985 Feb;62(2):34–5, 38

Quality in nursing: three major components. Webb D. **Dimens Health Serv** 1984 Aug;61(8):14, 19

Quality assurance. Evaluate thyself. Maciorowski LF, et al. **J Nurs Adm** 1985 Jun;15(6):38–42

Linking standards of care with nursing quality assurance--the SCORE method. Nichols AC, et al. **QRB** 1985 Feb; 11(2):57–63

TRENDS

Getting on top of organizational change. Part 2. Trends in nursing service. Beyers M. **J Nurs Adm** 1984 Nov; 14(11):31–7

UTILIZATION

Nurses: an underused resource [letter] Bird H. **Br Med J [Clin Res]** 1985 May 25;290(6481):1589

NURSING SERVICES

Good news and bad news in the marketing age. Klann SS. **AORN J** 1984 Nov;40(5):790–2

Nursing consortium approach to increase research in service settings. Zalar MK, et al. **J Nurs Adm** 1985 Jul–Aug; 15(7–8):36–41

ECONOMICS

Cost containment of reconstituted parenteral antibiotics: personnel and supply costs associated with preparation, dispensing, and administration. Tanner DJ. **Rev Infect Dis** 1984 Nov–Dec;6 Suppl 4:S924–37

HISTORY

An historical look at the development of nursing in the Veterans Administration Nursing Service. Campinha J. **Milit Med** 1985 Jan;150(1):1–5

ORGANIZATION & ADMINISTRATION

Janforum. Health care and nursing in the People's Republic of China. Ying LJ, et al. **J Adv Nurs** 1985 May;10(3):279–84

JONA's semiannual directory of consultants to nursing administration. **J Nurs Adm** 1985 Jul–Aug;15(7–8):44–83

Follow the leader: a learning exercise. Brandt MA, et al. **J Nurs Educ** 1985 Apr;24(4):139–42

SUPPLY & DISTRIBUTION

When nurses ration patient care [editorial] Kelly LS. **Nurs Outlook** 1985 May–Jun;33(3):123

TRENDS

Janforum. Innovation in nursing--the role of higher education in relation to nursing practice. Owen GM. **J Adv Nurs** 1985 Mar;10(2):179–83

UTILIZATION

Analysis of a hospital-based stomatherapy service. Phillips R, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):37–40

Practice nurses: an underused resource [editorial] Hart JT. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1162–3

NURSING STAFF

A nurse-initiated reminder system for the periodic health examination. Implementation and evaluation. Davidson RA, et al. **Arch Intern Med** 1984 Nov;144(11):2167–70

Staff composition, job perceptions, and work retention of nursing personnel in geriatric institutions. Bergman R, et al. **Int J Nurs Stud** 1984;21(4):279–93

Discovering research problems in health care organizations. Wilson HS. **J Nurs Adm** 1984 Oct;14(10):6–7

Collective bargaining in the service setting: a survey of faculty attitudes. Tilbury MS. **J Nurs Educ** 1984 Sep; 23(7):278–83

Artificial ventilation for cardiopulmonary resuscitation. Sainsbury DA, et al. **Med J Aust** 1984 Oct 13;141(8):509–11

EDUCATION

Continuing education for hospice staff. Conedera F, et al. **Nurs Clin North Am** 1985 Jun;20(2):357–63

Education of the public in relation to genetic counseling. Carter CO. **Prog Clin Biol Res** 1985;163C:327–30

ORGANIZATION & ADMINISTRATION

Fire! Jones MK. **Am J Nurs** 1984 Nov;84(11):1368–71

PSYCHOLOGY

Sources of hospice staff stress and how to cope with it. Munley A. **Nurs Clin North Am** 1985 Jun;20(2):343–55

STANDARDS

In-patient nurse practitioners. Jones LC. **Nurse Pract** 1985 May;10(5):48, 50

NURSING STAFF, HOSPITAL

Rotavirus infections among the staff of a general paediatric department. Hjelt K, et al. **Acta Paediatr Scand** 1985 Jul; 74(4):617–8

Good communication solves problems [letter] Yone RF, et al. **Am J Hosp Pharm** 1985 Feb;42(2):280, 282

Profile of infection control practitioners in Canadian hospitals. Losos J, et al. **Am J Infect Control** 1984 Dec; 12(6):325–8

Pain control after surgery: a survey of current practice. Cartwright PD. **Ann R Coll Surg Engl** 1985 Jan;67(1):13–6

Counselling problem drinkers in medical wards: a controlled study. Chick J, et al. **Br Med J [Clin Res]** 1985 Mar 30; 290(6473):965–7

Micro-organisms isolated from skin under wedding rings worn by hospital staff. Hoffman PN, et al. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):206–7

Inhouse staff program relieves 'back' breaking problems. Brado E. **Dimens Health Serv** 1984 Dec;61(12):36

Infection control programs: increased role for nursing staff. Kingdom D. **Dimens Health Serv** 1985 Feb;62(2):17–8

Further study of the smoking habits of hospital nurses. Ferguson P, et al. **Health Bull (Edinb)** 1985 Jan;43(1):13–8

Nursing responsibilities in changing visiting restrictions in the intensive care unit. Heater BS. **Heart Lung** 1985 Mar; 14(2):181–6

Prevalence of cytomegalovirus antibody in nursing personnel. Lipscomb JA, et al. **Infect Control** 1984 Nov; 5(11):513–8

A comparison of nurses' attitudes toward hospitalized adolescents and adults. Beck AL, et al. **J Adolesc Health Care** 1985 May;6(3):211–5

Markers of hepatitis B in nurses and domestic staff in an area of high endemicity. Windsor IM, et al. **J Hosp Infect** 1984 Dec;5 Suppl A:81–8

Hospital information systems. The relationship between nurse involvement in selection and nurse utilization. Bursley HM, et al. **J Med Syst** 1985 Apr;9(1–2):19–27

Grief and perinatal loss. A community hospital approach to support. Carr D, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Mar–Apr;14(2):130–9

Occupational low-back pain in hospital nurses. Harber P, et al. **J Occup Med** 1985 Jul;27(7):518–24

Needlestick transmission of HTLV-III from a patient infected in Africa [editorial] **Lancet** 1984 Dec 15; 2(8416):1376–7

Immunisation of nurses with a live varicella vaccine. Ndumbe PM, et al. **Lancet** 1985 May 18;1(8438):1144–7

Team or primary nursing care? Chavigny K, et al. **Nurs Outlook** 1984 Nov–Dec;32(6):322–7

Patient education in a women's hospital: attitudes of the medical and nursing staffs. Olive DL, et al. **Obstet Gynecol** 1985 May;65(5):686–90

Measuring locus of control in a hospital setting. Tadmor CS, et al. **Psychol Rep** 1985 Apr;56(2):525–6

Personal characteristics and back injury among hospital nursing personnel. Owen BD, et al. **Res Nurs Health** 1984 Dec;7(4):305–13

[History of the Sisters of Charity in the St. Anthony district hospital in Włocławek (1877–1966)] Rejmanowski T. **Arch Hist Med (Warsz)** 1984;47(3):433–8 (Eng. Abstr.) **(Pol)**

[Differences in absenteeism due to illness among women physicians and nurses in outpatient clinics and hospitals] Kabat Z, et al. **Pol Tyg Lek** 1984 Oct 15;39(42):1391–4 (Eng. Abstr.) **(Pol)**

ECONOMICS

Cost per RN hired. Hoffman FM. **J Nurs Adm** 1985 Feb; 15(2):27–9

When nurses ration patient care [editorial] Kelly LS. **Nurs Outlook** 1985 May–Jun;33(3):123

EDUCATION

Behind closed doors. Enhancing the image of perioperative nursing. Dieffenbach M. **AORN J** 1985 May;41(5):915, 918–9

Staff orientation: an important PR tool. Hill PL. **Dimens Health Serv** 1984 Aug;61(8):23

RN orientation: a critical first step. Jones F. **Dimens Health Serv** 1984 Aug;61(8):12–3

The concept and practice of preceptorship in contemporary nursing: a review of pertinent literature. Shamian J, et al. **Int J Nurs Stud** 1985;22(2):79–88

Becoming a mentoring manager. Darling LA. **J Nurs Adm** 1985 Jun;15(6):43–4

LEGISLATION & JURISPRUDENCE

Can the RN first assistant be held liable for patient injury? Murphy EK. **AORN J** 1985 Jun;41(6):1006, 1009, 1011

ORGANIZATION & ADMINISTRATION

Sabbaticals for nurses--more than a break from the routine [editorial] Palmer PN. **AORN J** 1985 Jun;41(6):1000, 1002

DRGs and primary nursing: are they compatible? van Servellen GM, et al. **J Nurs Adm** 1985 Apr;15(4):32–6

Core-12: a controlled study of the impact of 12-hour scheduling. Mills ME, et al. **Nurs Res** 1983 Nov–Dec; 32(6):356–61

PSYCHOLOGY

The burnout test. Dailey AL. **Am J Nurs** 1985 Mar; 85(3):270–2

Letting go. Reiley PJ, et al. **Am J Nurs** 1985 Jul;85(7):776

The challenge for leaders is to help their employees succeed. HART MM. **AORN J** 1985 May;41(5):950–5

Every nurse must be a problem solver. Hixon JK. **AORN J** 1985 Jun;41(6):1096, 1099

Conflicts and collaboration: nurse-physician issues in the hospital. Reichman S. **Bull NY Acad Med** 1984 Oct; 60(8):819–24

Effect of nursing-staff support groups on the quality of newborn intensive care. Tyson J, et al. **Crit Care Med** 1984 Oct;12(10):901–6

Organizational stress in the hospital: development of a model for diagnosis and prediction. Gray-Toft PA, et al. **Health Serv Res** 1985 Feb;19(6 Pt 1):753–74

The stress, social support, and burnout of critical care nurses: the results of research. Cronin-Stubbs D, et al. **Heart Lung** 1985 Jan;14(1):31–9

Informed consent: the opinions of critical care nurses. Whalen ER. **Heart Lung** 1984 Nov;13(6):662–6

Staff reaction to an inpatient homicide. Cournos F. **Hosp Community Psychiatry** 1985 Jun;36(6):664–6

Prosecuting psychiatric patients for assault. Phelan LA, et al. **Hosp Community Psychiatry** 1985 Jun;36(6):581–2

The nurse as a survivor: delayed post-traumatic stress reaction and cumulative trauma in nursing. Davidson P, et al. **Int J Nurs Stud** 1985;22(1):1–13

Nursing knowledge of hepatitis B infection. Ho-Yen DO, et al. **J Adv Nurs** 1985 Mar;10(2):169–72

Gynaecological nursing: a compromising situation. Webb C. **J Adv Nurs** 1985 Jan;10(1):47–54

Sources of stress among nurses: an empirical investigation. Numerof RE, et al. **J Human Stress** 1984 Summer; 10(2):88–100

Emotional depletion in critical care staff. Price DM, et al. **J Neurosurg Nurs** 1985 Apr;17(2):114–8

The case for mentor moderation. Darling LA. **J Nurs Adm** 1985 Jul–Aug;15(7–8):42–3

Improving nursing morale in a climate of cost containment. Part 1. Organizational assessment. Haw MA, et al. **J Nurs Adm** 1984 Oct;14(10):8–15

Chemical dependency. Helping your staff. Kabb GM. **J Nurs Adm** 1984 Nov;14(11):18–23

Role clarification. A prerequisite to autonomy. Singleton EK, et al. **J Nurs Adm** 1984 Oct;14(10):17–22

The patient is splitting. Everyone knows and nothing changes. Gallop R. **J Psychosoc Nurs Ment Health Serv** 1985 Apr;23(4):6–10

How nurses react to patient assault. Lanza ML. **J Psychosoc Nurs Ment Health Serv** 1985 Jun;23(6):6–11

Help for the burned-out nurse? Buechler DK. **Nurs Outlook** 1985 Jul–Aug;33(4):181–2, 185

Physical attractiveness and nurses' perceptions of pediatric patients. Bordieri JE, et al. **Nurs Res** 1985 Jan–Feb; 34(1):24–6

Stress in ICU and non-ICU nurses. Keane A, et al. **Nurs Res** 1985 Jul–Aug;34(4):231–6

Types and sources of social support for managing job stress in critical care nursing. Norbeck JS. **Nurs Res** 1985 Jul-Aug;34(4):225-30

Predicting nurses' turnover and internal transfer behavior. Taylor MS, et al. **Nurs Res** 1985 Jul-Aug;34(4):237-41

Socialization and interpersonal environment in nurses' affective reactions to work. Decker FH. **Soc Sci Med** 1985; 20(5):499-509

[Hygienic aspects of professional activities of personnel of resuscitation and intensive care units] Kaptsov VA, et al. **Gig Sanit** 1984 Dec;(12):21-4 **(Rus)**

STANDARDS

Privileging nurses in a psychiatric hospital. Smith LV, et al. **QRB** 1985 May;11(5):154-9

Nursing intervention scoring system in management of a surgical intensive care unit. Alexander RH, et al. **South Med J** 1984 Oct;77(10):1248-52

SUPPLY & DISTRIBUTION

Building a classification system that works. Unger J. **J Nurs Adm** 1985 Jul-Aug;15(7-8):18-24

On the consequences of overturning turnover: a study of performance and turnover. Lowery BJ, et al. **Nurs Res** 1984 Nov-Dec;33(6):363-7

UTILIZATION

Infection control and the nursing process--making the best use of resources. Ashworth P. **J Hosp Infect** 1984 Dec;5 Suppl A:35-44

NURSING, SUPERVISORY

The bilateral job interview. The interviewer prepares. Manley MJ, et al. **Am J Nurs** 1984 Oct;84(10):1237-41

Preparing the OR budget. The nurse manager's responsibility. Groah LK. **AORN J** 1985 Mar;41(3):547-53

Foothills Hospital expands nurse manager role. Boutillier E, et al. **Dimens Health Serv** 1984 Oct;61(9):34-5, 42

A research-based method of selecting curriculum content. Stephenson PM. **J Adv Nurs** 1985 Jan;10(1):3-13

Becoming a mentoring manager. Darling LA. **J Nurs Adm** 1985 Jun;15(6):43-4

Job satisfaction and interruptions in the planned time of nursing managers. Grantham MA, et al. **J Nurs Adm** 1985 May;15(5):7,10

Identifying the right nurse manager. An objective selection process. Johnson EP, et al. **J Nurs Adm** 1984 Nov; 14(11):24-30

Assessment center technology. Selecting head nurses. Sullivan EJ, et al. **J Nurs Adm** 1985 May;15(5):13-8

ORGANIZATION & ADMINISTRATION

Learning how to manage. A management education series. Binger JL, et al. **AORN J** 1985 Jun;41(6):1060-1, 1064-8

NURSING, TEAM

Team or primary nursing care? Chavigny K, et al. **Nurs Outlook** 1984 Nov-Dec;32(6):322-7

ORGANIZATION & ADMINISTRATION

Primary nursing. Teamwork is the answer. Weeks LC, et al. **J Nurs Adm** 1985 Sep;15(9):21-6

NUTMEG see under **CONDIMENTS**

NUTRITION

see related
DIET
FOOD

Immunity, nutrition and trauma: an overview. Alexander JW. **Acta Chir Scand [Suppl]** 1985;522:141-50

Nutritional assessment and postoperative morbidity. A prospective study in 286 consecutive surgical patients. Brodén G, et al. **Acta Chir Scand [Suppl]** 1984;520:27-32

Nutritional problems in trauma. Lundholm KG. **Acta Chir Scand [Suppl]** 1985;522:183-94 (31 ref.)

The relationship between QTc changes and nutrition during weight loss after gastroplasty. Rasmussen LH, et al. **Acta Med Scand** 1985;217(3):271-5

Yeast as protein source for human nutrition (a review). Rosales FH. **Acta Microbiol Hung** 1984;31(3):159-72 (120 ref.)

Cranial postnatal growth of the rat relative to environmental variance. Nowosielski-Slepowron BJ, et al. **Acta Morphol Neerl Scand** 1984 Oct;22(3):187-216

Breast-milk antimicrobial factors of rural Gambian mothers. I. Influence of stage of lactation and maternal plane of nutrition. Prentice A, et al. **Acta Paediatr Scand** 1984 Nov; 73(6):796-802

Nutritional and toxicological aspects of food safety. **Adv Exp Med Biol** 1984;177:1-584

Protein-alkali reactions: chemistry, toxicology, and nutritional consequences. Friedman M, et al. **Adv Exp Med Biol** 1984;177:367-412 (116 ref.)

Nutritional and metabolic response to plant inhibitors of digestive enzymes. Gallaher D, et al. **Adv Exp Med Biol** 1984;177:299-320 (116 ref.)

Nutritional studies of a carboxypeptidase inhibitor from potato tubers. Pearce G, et al. **Adv Exp Med Biol** 1984; 177:321-32

Nutrition and protein turnover in man. Reeds PJ, et al. **Adv Nutr Res** 1984;6:93-138 (100 ref.)

Differential effect of chronic alcohol intake and poor nutrition on body weight and fat stores. World MJ, et al. **Alcohol Alcohol** 1984;19(4):281-90

Effects of ethanol and maternal nutritional status on fetal development. Weinberg J. **Alcoholism (NY)** 1985 Jan-Feb; 9(1):49-55

Wheat foods: nutritional implications in health and disease. Proceedings of a symposium. Washington, D.C., May 21-22,1984. Sponsored by the Scientific Advisory Committee of the Wheat Industry Council. **Am J Clin Nutr** 1985 May;41(5 Suppl):1069-176

Trans fatty acids in human milk lipids: influence of maternal diet and weight loss. Chappell JE, et al. **Am J Clin Nutr** 1985 Jul;42(1):49-56

Report on Clinical Nutrition Research Units. Combs GF, et al. **Am J Clin Nutr** 1984 Oct;40(4):855-64

New standards of weight and body composition by frame size and height for assessment of nutritional status of adults and the elderly. Frisancho AR. **Am J Clin Nutr** 1984 Oct; 40(4):808-19

Eating in the laboratory: is it representative? Obarzanek E, et al. **Am J Clin Nutr** 1985 Aug;42(2):323-8

Bridges between nutrition, neuroscience, and behavior. Pollitt E, et al. **Am J Clin Nutr** 1985 Aug;42(2):348-51

Immunologic evaluation in the nutritional assessment of children with cancer. Ramirez I, et al. **Am J Clin Nutr** 1985 Jun;41(6):1314-21

Where's the beef? Rosenberg IH. **Am J Clin Nutr** 1985 Sep; 42(3):564-7

Postmenopausal bone density and milk consumption in childhood and adolescence. Sandler RB, et al. **Am J Clin Nutr** 1985 Aug;42(2):270-4

Nutritional assessment by isotope dilution analysis of body composition. Szeluga DJ, et al. **Am J Clin Nutr** 1984 Oct; 40(4):847-54

The role of nutritional factors in the course of experimental renal failure. Laouari D, et al. **Am J Kidney Dis** 1985 Mar; 5(3):147-56 (64 ref.)

A delicate balance. Strategies for feeding ventilated COPD patients. Irwin MM, et al. **Am J Nurs** 1985 Mar; 85(3):274-80

Developmental and nutritional determinants of pregnancy outcome among teenagers. Frisancho AR, et al. **Am J Phys Anthropol** 1985 Mar;66(3):247-61

Perinatal nutritional modification of weanling rat heart contractile protein. Dowell RT, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H967-72

Motor activity in decerebrate rats: spontaneous and nutrient-induced changes. Junquera J, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R945-52

Trophic response of hamster brown adipose tissue: roles of norepinephrine and pineal gland. Triandafillou J, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E793-9

Defective trophic response of brown adipose tissue of myopathic hamsters. Triandafillou J, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E800-7

The effects of chronic hyperinflation, nutritional status, and posture on respiratory muscle strength in CF [letter] Boland MP, et al. **Am Rev Respir Dis** 1984 Nov;130(5):949

Combined oral and home parenteral nutrition for the short bowel syndrome. Nuutinen LS, et al. **Ann Chir Gynaecol** 1985;74(1):32-5

Sodium in nutrition policy. Bruce A. **Ann Clin Res** 1984;16 Suppl 43:174-8

Assessing nutritional status [letter] Friedman PJ. **Ann Intern Med** 1985 Feb;102(2):278

Eurofoods: towards compatibility of nutrient data banks in Europe. **Ann Nutr Metab** 1985;29 Suppl 1:1-72

Nutrition and hypertension. Pacy PJ, et al. **Ann Nutr Metab** 1985;29(3):129-37 (67 ref.)

Biotin in human nutrition. Bonjour JP. **Ann NY Acad Sci** 1985;447:97-104 (40 ref.)

Some personal reflections on a half century of nutrition science: 1930s-1980s. Darby WJ. **Annu Rev Nutr** 1985; 5:1-24

Implementing nutrition programs: lessons from an unheeded literature. Field JO. **Annu Rev Nutr** 1985;5:143-72 (102 ref.)

A status report on diet, nutrition and cancer. Campbell TC. **ASDC J Dent Child** 1985 Jan-Feb;52(1):65-7

Stress and nutrition. Kipp D. **ASDC J Dent Child** 1985 Jan-Feb;52(1):68-71

Food nutrient interactions. Mermelstein NH. **ASDC J Dent Child** 1985 May-Jun;52(3):203-6

Behavior and nutrition: a mini review. Rapoport JL, et al. **ASDC J Dent Child** 1984 Nov-Dec;51(6):451-4

Nutrition for the footballer. Burke LM. **Aust Fam Physician** 1984 Aug;13(8):625-6

Principal aspects of clinical nutrition. 20th symposium of the Group of European Nutritionists. Baden/bei Wien, September 22-24, 1983. **Bibl Nutr Dieta** 1985;(35):1-131

Food nutrient interaction. **Bol Asoc Med PR** 1985 Apr; 77(4):171-3

A status report on diet, nutrition and cancer. Colin Campbell T. **Bol Asoc Med PR** 1985 Mar;77(3):112-4

Behavior and nutrition: a mini review. Rapoport JL, et al. **Bol Asoc Med PR** 1984 Sep;76(9):402-4 (21 ref.)

The background and origins of omega-3 nutrition. Reed SA. **Br J Clin Pract [Symp Suppl]** 1984;31:5-9

On the essentiality of omega-3 polyunsaturated fatty acids. Rivers JP. **Br J Clin Pract [Symp Suppl]** 1984;31:100-10

Dietary polyunsaturated fatty acids and health. Sanders TA. **Br J Clin Pract [Symp Suppl]** 1984;31:24-32

Psychological, nutritional and physical status of olympic road cyclists. Johnson A, et al. **Br J Sports Med** 1985 Mar; 19(1):11-4

ABC of nutrition. Children and adolescents. Truswell AS. **Br Med J [Clin Res]** 1985 Aug 10;291(6492):397-9

ABC of nutrition. Nutrition for pregnancy. Truswell AS. **Br Med J [Clin Res]** 1985 Jul 27;291(6490):263-6

Influence of nutritional status on circulatory ribonuclease C levels in patients with cancer. Chlebowski RT, et al. **Cancer** 1985 Jan 15;55(2):427-31

Current attitudes of oncologists regarding hormonal mineral and nutritional support during cancer chemotherapy. Greenspan EM. **Cancer Invest** 1985;3(1):101-3

Limited impact of total parenteral nutrition on nutritional status during treatment for small cell lung cancer. Evans WK, et al. **Cancer Res** 1985 Jul;45(7):3347-53

Nutritional status of an urban community in Zimbabwe. Mathe S, et al. **Cent Afr J Med** 1985 Mar;31(3):59-62

The prevalence and determinants of nutritional changes in chronic obstructive pulmonary disease. Braun SR, et al. **Chest** 1984 Oct;86(4):558-63

Assessment of the nutritional status of Nigerian rural children and mothers' perceptions of quality of life. Ojofeitimi EO. **Child Care Health Dev** 1984 Nov-Dec;10(6):349-58

The health and needs of children and adolescents in China. Ye GS. **Chin Med J [Engl]** 1985 Feb;98(2):79-82

Comparative study of nursing mothers in Africa (Zaire) and in Europe (Sweden): breastfeeding behaviour, nutritional status, lactational hyperprolactinaemia and status of the menstrual cycle. Hennart P, et al. **Clin Endocrinol (Oxf)** 1985 Feb;22(2):179-87

Body composition and nutritional status in patients on continuous ambulatory peritoneal dialysis (CAPD). Panzetta G, et al. **Clin Nephrol** 1985 Jan;23(1):18-25

Maternal nutrition and duration of gestation: a review. Kristal AR, et al. **Clin Obstet Gynecol** 1984 Sep;27(3):553-61

Nutritional and medical aspects of gymnastics. Calabrese LH. **Clin Sports Med** 1985 Jan;4(1):23-30

Nutrition and aging: an overview. McGandy RB. **Clin Ther** 1984;6(6):728-30

Winged bean in human nutrition. Kadam SS, et al. **CRC Crit Rev Food Sci Nutr** 1984;21(1):1-40 (123 ref.)

Dry beans of Phaseolus. A review. Part 2. Chemical composition: carbohydrates, fiber, minerals, vitamins, and lipids. Sathe SK, et al. **CRC Crit Rev Food Sci Nutr** 1984; 21(1):41-93 (463 ref.)

Nutrition during pregnancy: myths and realities. Rosso P. **Curr Concepts Nutr** 1984;13:47-70 (63 ref.)

Nutrition and aging. Rozovski SJ. **Curr Concepts Nutr** 1984; 13:137-69 (171 ref.)

Trace metals in human nutrition. Sandstead HH. **Curr Concepts Nutr** 1984;13:37-46 (51 ref.)

Effects of foods and nutrients on brain neurotransmitters. Wurtman RJ. **Curr Concepts Nutr** 1984;13:103-12 (33 ref.)

Survey of drug use by the elderly and possible impact of drugs on nutritional status. Chen LH, et al. **Drug Nutr Interact** 1985;3(2):73-86

The bacon Chow study: effects of maternal nutritional supplementation on birth measurements of children, accounting for the size of a previous (unsupplemented) child. Mueller WH, et al. **Early Hum Dev** 1984 Sep; 10(1-2):127-36

Health, nutrition and fertility. A review of correlates in rural development. Uyanga J. **Ecol Dis** 1982;1(1):45-58 (101 ref.)

Further evidence for the dependence of diabetes prevalence on nutrition in perinatal life. Dörner G, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):129-33

Nutritional implications of food aid: an annotated bibliography. Figá-Talamanca I. **FAO Food Nutr Pap** 1985; 33:1-113

Body composition as affected by physical activity and nutrition. Forbes GB. **Fed Proc** 1985 Feb;44(2):343-7

Women, food and nutrition in Africa: Economic change and the outlook for nutrition. **Food Nutr (Roma)** 1984;10(1):71-9

Women, food and nutrition in Africa: perspective from Senegal. Basse MT. **Food Nutr (Roma)** 1984;10(1):65-71

Some personal views on nutrition in rural development. Beghin I. **Food Nutr (Roma)** 1983;9(2):39-44

Nutrition and urbanization. Cépède M. **Food Nutr (Roma)** 1984;10(1):43-51 (9 ref.)

Nutritional improvement and the primary health care delivery system. Jelliffe DB, et al. **Food Nutr (Roma)** 1984; 10(1):53-63

Strategies for the control of malnutrition and the influence of the nutritional sciences. Latham MC. **Food Nutr (Roma)** 1984;10(1):5-31 (67 ref.)

Nutrition and agricultural development: new frontiers. Swaminathan MS. **Food Nutr (Roma)** 1984;10(1):33-41

Osteoporosis: protective measures of nutrition and exercise. Goodman CE. **Geriatrics** 1985 Apr;40(4):59-60, 65-7, 70

Nutritional assessment of the patient undergoing surgery. Keithley JK. **Heart Lung** 1985 Sep;14(5):449-56

Epidemiology for nutritionists: 6. The interpretation of data. Burr ML. **Hum Nutr Appl Nutr** 1984 Oct;38(5):324-30

Food advice goes into reverse: 1983 vs 1936. Personal views with a long look back. Moore T. **Hum Nutr Appl Nutr** 1984 Oct;38(5):337-44

Epidemiology for nutritionists: 5. Some statistical aspects

Sweetnam PM. **Hum Nutr Appl Nutr** 1984 Jun;38(3):215-22

Clinical nutrition: where do we stand? A view from Brazil. Dutra de Oliveira JE, et al. **Hum Nutr Clin Nutr** 1984 Nov; 38(6):409-12

Nutritional status of the social class groups. Fancourt GJ, et al. **Hum Nutr Clin Nutr** 1984 Nov;38(6):453-62

NIH report on research challenges in nutrition and hypertension. Horan MJ, et al. **Hypertension** 1985 Sep-Oct; 7(5):818-23

Nutrition and immunity: the immunoregulatory effect of n-6 essential fatty acids is mediated through prostaglandin E. Mertin J, et al. **Int Arch Allergy Appl Immunol** 1985; 77(4):390-5

Nutrition and melanoma. Wagner RF Jr, et al. **Int J Dermatol** 1984 Sep;23(7):453-7 (44 ref.)

Nutrition symposium 1984. Zurich, March 30, 1984. Abstracts. **Int J Vitam Nutr Res** 1984;54(2-3):275-89

Nutritional status of the elderly. IV. Nutritional knowledge, food preferences and life styles connected with the nutritional process. Alberti Fidanza A. **Int J Vitam Nutr Res** 1984;54(4):361-9

Nutritional status of the elderly. III. Vitamin nutriture of elderly pensioners in Perugia. Fidanza F, et al. **Int J Vitam Nutr Res** 1984;54(4):355-9

Nutritional considerations of osteoporosis. **Iowa Med** 1984 Dec;74(12):541-3 (31 ref.)

A national nutrition policy. Mulcahy R. **Ir Med J** 1984 Dec; 77(12):391

Nutritional status of a population assessed on the basis of a group of blood donors. Havivi E, et al. **Isr J Med Sci** 1985 Jun;21(6):499-503

Nutritional status of the institutionalized elderly. Noskovski H, et al. **Isr J Med Sci** 1985 Mar;21(3):260-3

Nutrition and brain development. Berra B, et al. **Ital J Biochem** 1984 Jul-Aug;33(4):272A-275A

Metabolism and nutrition in surgical sepsis. Castagneto M, et al. **Ital J Surg Sci** 1984;14(3):247-51

Effects of early nutritional support in patients with abdominal trauma. Seri S, et al. **Ital J Surg Sci** 1984;14(3):223-7

Nutrition in cardiovascular disease. **J Am Coll Nutr** 1985; 4(2):139-260

Abstracts presented at the American College of Nutrition 26th annual meeting and the Fourth International Symposium on Magnesium. Blacksburg, Virginia, July 21-28, 1985. **J Am Coll Nutr** 1985;4(3):303-405

American College of Nutrition. 25th annual meeting. Symposium on nutritional management of gastrointestinal and liver diseases and other advances in clinical nutrition. September 20-22, 1984, Boston, Massachusetts. Program and abstracts. **J Am Coll Nutr** 1984;3(3):199-300

Nutrition and the elderly: a general overview. Munro HN. **J Am Coll Nutr** 1984;3(4):341-50

Biochemical, metabolic, and clinical role of copper in human nutrition. Solomons NW. **J Am Coll Nutr** 1985;4(1):83-105 (174 ref.)

Eating for fitness. **J Am Dent Assoc** 1985;Spec No:15-7

Hair analysis [letter] Furman AF. **J Am Dent Assoc** 1984 Oct;109(4):540

National Nutrition Monitoring System: a congressional perspective. Brown GE Jr. **J Am Diet Assoc** 1984 Oct; 84(10):1185-9

National Nutrition Monitoring System. Callaway CW. **J Am Diet Assoc** 1984 Oct;84(10):1179-80

Parenteral nutrition--a new horizon for dietitians. Chernoff R, et al. **J Am Diet Assoc** 1984 Nov;84(11):1309-11

Validity and utility of anthropometric measurements: a survey of cancer outpatients. Dixon JK. **J Am Diet Assoc** 1985 Apr;85(4):439-44

Nutrition evaluation of published weight-reducing diets. Fisher MC, et al. **J Am Diet Assoc** 1985 Apr;85(4):450-4

National Nutrition Monitoring System: implications for public health policy at FDA. Forbes AL, et al. **J Am Diet Assoc** 1984 Oct;84(10):1189-93

A nutrition fair cosponsored by dietitians and legislators. Gilbride JA, et al. **J Am Diet Assoc** 1984 Oct;84(10):1215-7

Consequences of utilizing reduced nutrient data bases for estimating dietary adequacy. Hoover LW, et al. **J Am Diet Assoc** 1985 Mar;85(3):297-304, 307

A simple nutrition screening procedure for hospital patients. Hunt DR, et al. **J Am Diet Assoc** 1985 Mar;85(3):332-5

Process guides for nutrition care in community health. Mullis RM, et al. **J Am Diet Assoc** 1985 Jan;85(1):73-6

National Nutrition Monitoring System: a historical perspective. Ostenso GL. **J Am Diet Assoc** 1984 Oct; 84(10):1181-5

Nutrition services at a university student health center. Parraga IM. **J Am Diet Assoc** 1985 Aug;85(8):970-1

Therapeutic effects of drug-nutrient interactions in the elderly. Roe DA. **J Am Diet Assoc** 1985 Feb;85(2):174-8, 181

Some relations between nutrition and aging. Sandstead HH. **J Am Diet Assoc** 1985 Feb;85(2):171-2

Documentation: the missing link in evaluation. Wills BB. **J Am Diet Assoc** 1985 Feb;85(2):225-7

Improving estimates of food and nutrient intake: applications to individuals and groups. Woteki CE. **J Am Diet Assoc** 1985 Mar;85(3):295-6

Nutrition intervention: panacea or Pandora's box? Wyse BW, et al. **J Am Diet Assoc** 1985 Sep;85(9):1084-90

Selenium, an 'essential poison'. Jukes TH. **J Appl Biochem** 1983 Aug-Oct;5(4-5):233-4

Neurophysiological and nutritional considerations of pain control. Pressman AH, et al. **J Manipulative Physiol Ther** 1984 Dec;7(4):219-29 (110 ref.)

Nutrition for athletes. Mulherin WB. **J Med Assoc Ga** 1985 Feb;74(2):88-90

A nutrition-physical fitness intervention program for low-income black parents. Sullivan J, et al. **J Natl Med Assoc** 1985 Jan;77(1):39-43

Interaction of nutrition and infection: effect of vitamin B12 deficiency on resistance to Trypanosoma lewisi. Thomaskutty KG, et al. **J Natl Med Assoc** 1985 Apr; 77(4):289-99

Albumin metabolism and nutritional status of uremic patients on a long-term very-low-protein diet supplemented with essential amino acids and keto analogues. Mariani G, et al. **J Nucl Med Allied Sci** 1984 Oct-Dec;28(4):237-44

The role of the nutritionist in Third World agricultural policy planning. Dinning JS. **J Nutr** 1984 Oct;114(10):1739-40

Nutrition and aging--a current assessment. Masoro EJ. **J Nutr** 1985 Jul;115(7):842-8

Breast milk lactoferrin levels in relation to maternal nutritional status. Houghton MR, et al. **J Pediatr Gastroenterol Nutr** 1985 Apr;4(2):230-3

The pancreas, nutrition, and cystic fibrosis: how do we ask the right questions? Patrick J. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S163-6

Energy needs and nutritional rehabilitation in undernourished adolescents and young adult patients with cystic fibrosis. Pencharz P, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S147-53

The developing colon and nutrition. Potter GD, et al. **J Pediatr Gastroenterol Nutr** 1984 Sep;3(4):485-7

Importance of nutritional assessment and support in surgical and cancer patients. Orr JW Jr, et al. **J Reprod Med** 1984 Sep;29(9):635-50 (113 ref.)

Nutrition and the pill. Tyrer LB. **J Reprod Med** 1984 Jul; 29(7 Suppl):547-50

Issues in nutrition for the school-age athlete. Cheung S. **J Sch Health** 1985 Jan;55(1):35-7 (15 ref.)

Nutritional factors influencing the results of toxicology experiments in animals. Hayashi Y, et al. **J Toxicol Sci** 1984 Aug;9(3):219-34

The weight-for-height chart: is it accurate enough for field surveys? Binkin NJ, et al. **J Trop Pediatr** 1985 Jun; 31(3):152-7

Infant nutrition and growth in relation to maternal nutrition in rural Kenya. Kusin JA, et al. **J Trop Pediatr** 1985 Feb; 31(1):24-30

Food for thought [editorial] Ellis EO. **JAMA** 1985 Jun 14; 253(22):3299-300

Development of a nutrient data system for international use: INFOODS (International Network of Food Data Systems). Butrum R, et al. **JNCI** 1984 Dec;73(6):1409-13

Compliance and nutritional status during feasibility study for an intervention trial in China. Ershow AG, et al. **JNCI** 1984 Dec;73(6):1477-81

Serum levels of vitamin A and carotenoids as reflectors of nutritional status. Olson JA. **JNCI** 1984 Dec;73(6):1439-44

Use of urea kinetics in the nutritional care of the acutely ill patient. Kosanovich JM, et al. **JPEN** 1985 Mar-Apr; 9(2):165-9

The value of nutritional assessment in the surgical patient. Roy LB, et al. **JPEN** 1985 Mar-Apr;9(2):170-2

Specialized nutrition support: patterns of care. Seltzer MH, et al. **JPEN** 1984 Sep-Oct;8(5):506-10

Successful management of chronic intestinal pseudo-obstruction with home parenteral nutrition. Warner E, et al. **JPEN** 1985 Mar-Apr;9(2):173-8

'Nutritional' markers as prognostic indicators of postoperative sepsis in cancer patients. Bozzetti F, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul-Aug;9(4):464-70

Nutrition support teams--a 1983 survey. McShane CM, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun;9(3):263-8

Assessment of nutritional status of students of Lady Health Visitor class. Khan S. **JPMA** 1984 Sep;34(9):272-5

The Indian Nutrition Foundation [editorial] **Lancet** 1985 Jun 1;1(8440):1254-5

Are they being served? [editorial] **Lancet** 1985 Jun 29; 1(8444):1491

Preclinical left ventricular abnormalities in alcoholics are independent of nutritional status, cirrhosis, and cigarette smoking. Dancy M, et al. **Lancet** 1985 May 18; 1(8438):1122-5

Africa's crisis [letter] Inglis TJ. **Lancet** 1985 Jan 26; 1(8422):225

The relationship between nutrition, infection, and immunity. Corman LC. **Med Clin North Am** 1985 May;69(3):519-31 (72 ref.)

Nutrition and exercise. Elliot DL, et al. **Med Clin North Am** 1985 Jan;69(1):71-82 (95 ref.)

International symposia on nutrition and obesity: the state of the science. **Med J Aust** 1985 Apr 1;142(7 Suppl):S1-32

Nutritional profile of recruits to a fitness programme. Baghurst KI, et al. **Med J Aust** 1985 Sep 2;143(5):188-90

Diet, nutrition and disease. Contemporary Australian epidemiology. McMichael AJ. **Med J Aust** 1985 Jan 21; 142(2):121-4

Paleolithic nutrition [letter] **N Engl J Med** 1985 May 30; 312(22):1458-9

Paleolithic nutrition. A consideration of its nature and current implications. Eaton SB, et al. **N Engl J Med** 1985 Jan 31; 312(5):283-9 (80 ref.)

Nutritional issues in perinatal alcohol exposure. Weinberg J. **Neurobehav Toxicol Teratol** 1984 Jul-Aug;6(4):261-9

Nutritional evaluation of serum lactate dehydrogenase levels in humans. Imaki M, et al. **Nippon Eiseigaku Zasshi** 1984 Jun;39(2):541-5

Effect of nursing interventions on nutritional and performance status in cancer patients. Dixon J. **Nurs Res** 1984 Nov-Dec;33(6):330-5

Nutritional status--a prognostic indicator in head and neck cancer. Brookes GB. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):69-74

Consumption of betel nut and its possible contribution to protein and energy intakes. Weegels P, et al. **Papua New Guinea Med J** 1984 Mar;27(1):37-9

Symposium on nutrition. **Pediatr Clin North Am** 1985 Apr; 32(2):273-537

Role of selected nutrients in synthesis, accumulation, and chemical modification of connective tissue proteins. Tinker D, et al. **Physiol Rev** 1985 Jul;65(3):607-57 (453 ref.)

Nutritional supplementation with megadoses of vitamin B6. Effective therapy, placebo, or potentiator of neuropathy? Podell RN. **Postgrad Med** 1985 Feb 15;77(3):113-6

Diet, nutrition, and cancer. An update on a controversial relationship. Purtilo DT, et al. **Postgrad Med** 1985 Jul; 78(1):193-4, 199-203

Knowledge of and attitudes toward coronary heart disease and nutrition in Oregon families. Pierce DK, et al. **Prev Med** 1984 Jul;13(4):390-5

Nutrition and nitrosamine formation. Challis BC. **Proc Nutr Soc** 1985 Feb;44(1):95-100 (41 ref.)

Nutrition and the elderly: identifying those at risk. Davies L. **Proc Nutr Soc** 1984 Sep;43(3):295-302 (24 ref.)

Nutrition, alcohol and drug abuse. Denney RC, et al. **Proc Nutr Soc** 1984 Sep;43(3):265-70 (18 ref.)

Nutrition at retirement age. Holdsworth MD, et al. **Proc Nutr Soc** 1984 Sep;43(3):303-13 (15 ref.)

Nutrition-related problems of middle age. Munro HN. **Proc Nutr Soc** 1984 Sep;43(3):281-8 (43 ref.)

Nutrition and dental decay. Naylor MN. **Proc Nutr Soc** 1984 Sep;43(3):257-63

Our society in the 1980s. Waterlow JC. **Proc Nutr Soc** 1984 Sep;43(3):315-8

Germfree animal as a tool to study role of gut microflora and nutrition in cancer. Reddy BS, et al. **Prog Clin Biol Res** 1985;181:293-6

Stable isotopes in nutrition and food science. Janghorbani M. **Prog Food Nutr Sci** 1984;8(3-4):303-32 (93 ref.)

Nutrition and prostate cancer: a case-control study. Heshmat MY, et al. **Prostate** 1985;6(1):7-17

Disturbances of norepinephrine metabolism and alpha-2 adrenergic receptor activity in anorexia nervosa: relationship to nutritional state. Kaye WH, et al. **Psychopharmacol Bull** 1985;21(3):419-23

Specialized nutritional support of patients--a hospital's legal duty? Spencer RA, et al. **QRB** 1985 May;11(5):160-4

Nutritional status and blood pressures of adults in northern Gazankulu. Ijsselmuiden CB. **S Afr Med J** 1985 May 11; 67(19):773-5

Evaluating primary health care and nutrition programs in the context of national development. Marchione TJ. **Soc Sci Med** 1984;19(3):225-35

Methods to evaluate nutritional and economic implications of Ascaris infection. Stephenson LS. **Soc Sci Med** 1984; 19(10):1061-5

Nutrition and sports performance. Brotherhood JR. **Sports Med** 1984 Sep-Oct;1(5):350-89 (266 ref.)

The role of nutrition in the pathogenesis of emphysema. Dauber JH, et al. **Surv Synth Pathol Res** 1984;3(1):83-92 (41 ref.)

Nutritional assessment and therapy in advanced urothelial cancer. Flanigan RC, et al. **Urol Clin North Am** 1984 Nov; 11(4):671-9

Eating more and enjoying it less: U.S. prison diets for women. Shaw NS, et al. **Women Health** 1985 Spring;10(1):39-57

Optimum nutrition through better planning of world agriculture. Kummerow FA. **World Rev Nutr Diet** 1985; 45:1-41

[Effect of nutrition on the composition of the breast milk in lactating mothers] Pang WZ. **Chung Hua I Hsueh Tsa Chih** 1984 Oct;64(10):610-4 (Eng. Abstr.) **(Chi)**

[Nutritional status of patients hospitalized for elective surgery in a general surgery department] Myrhøj T, et al. **Ugeskr Laeger** 1985 Jan 14;147(3):171-2 (Eng. Abstr.) **(Dan)**

[Food and nutrition policy in Belgium: specifically, nutrition education and consumption behavior] Verdonk G. **Ned Tijdschr Geneeskd** 1984 Aug 18;128(33):1580-3 **(Dut)**

[Relation between nutrition and the respiratory system. Value in intensive care] Laaban JP. **Ann Fr Anesth Reanim** 1984; 3(5):364-70 (52 ref.) **(Fre)**

[Cerebral fatty acids. Synthesis in situ and food intake] Bourre JM. **Diabete Metab** 1984 Dec;10(5):324-31 (Eng. Abstr.) (Fre)

[Relations between physical exertion and protein-energy metabolism. Application to nutritional support of hospitalized patients] Matuchansky C, et al. **Presse Med** 1985 Jun 1;14(22):1237-40 (35 ref.) (Eng. Abstr.) **(Fre)**

[Radioimmunological determination of plasma VIP and serum gastrin concentrations as affected by nutrition] Bauer FE, et al. **Dtsch Z Verdau Stoffwechselkr** 1984;44(2):55-60 (Eng. Abstr.) (Ger)

[The influence of nutrition of Gram-negative anaerobes in the intestinal tract] Grütte FK, et al. **Nahrung** 1984; 28(6-7):735-9 (Eng. Abstr.) (Ger)

[Bulk in human nutrition--actions and adverse effects] Franz G. **Pharm Unserer Zeit** 1985 Jan;14(1):1-7 (Ger)

[Effect of nutrition on the pathogenesis and metaphylaxis of urinary calculi] Zechner O. **Wien Klin Wochenschr** 1984 Sep 14;96(17):647-51 (Eng. Abstr.) (Ger)

[Dietary fiber in human nutrition] Guggenheim YK. **Harefuah** 1984 Sep;107(5-6):138-42 (Heb)

[Nutritional status--how it is measured] Newman D, et al. **Harefuah** 1984 Jul;107(1-2):30-3 (Heb)

[Measured nutrition in the aged] Tarentini Trojani F. **Clin Ter** 1985 Mar 31;112(6):563-5 (Ita)

[Various norms of eubiotic feeding in healthy elderly persons] Franzini C, et al. **G Clin Med** 1985 Jan-Feb;66(1-2):1-28 (Eng. Abstr.) (Ita)

[Relation between oral conditions and diet in the elderly. A clinical study] Dana F, et al. **Minerva Stomatol** 1985 May-Jun;34(3):481-4 (Eng. Abstr.) (Ita)

[Relationship between serum gamma-GTP and nutrient intakes] Yoshimura T, et al. **Nippon Eiseigaku Zasshi** 1985 Feb;39(6):899-904 (Eng. Abstr.) (Jpn)

[Prognostic nutritional index in gastrointestinal surgery of malnourished cancer patients] Onodera T, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1001-5 (Eng. Abstr.) (Jpn)

[Nutritional and immunological status of patients requiring cardiac surgery] Tabayashi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Jan;33(1):67-71 (Eng. Abstr.) (Jpn)

[Aging and nutrition] Kimura S. **Nippon Ronen Igakkai Zasshi** 1984 Jul;21(4):345-7 (Jpn)

[Nutritional status of workers in selected departments of the Belchatow Industrial Region] Seneczko F, et al. **Med Pr** 1984;35(4):297-304 (Eng. Abstr.) (Pol)

[Nutrition and health of the population] Szostak WB. **Przegl Lek** 1984;41(8):505-11 (Pol)

[Effect of social environment on food habits under conditions of food rationing and new food prices. Studies of Warsaw's adolescents 1982] Narojek L, et al. **Rocz Panstw Zakl Hig** 1984;35(2):97-105 (Eng. Abstr.) (Pol)

[Mineral components of various food products] Rafalski H, et al. **Rocz Panstw Zakl Hig** 1984;35(6):515-23 (Eng. Abstr.) (Pol)

[Nutritional aspects of the surgical cardiac patient] Máttar Filho JA, et al. **Arq Bras Cardiol** 1984 Oct;43(4):275-8 (Por)

[Evaluation of maternal nutritional status and duration of breast feeding] Tudisco ES, et al. **Rev Saude Publica** 1984 Aug;18(4):313-22 (Eng. Abstr.) (Por)

[Nutrition--a factor in preventing arteriosclerosis, coronary disease and blood coagulation disorders. II. The effect of nutritional imbalance on atherogenesis and the blood coagulation system] Bazaz'ian GG. **Biol Nauki** 1984; (10):14-27 (55 ref.) (Eng. Abstr.) (Rus)

[The process of systematically supplying the body with nutrients during the active phase of digestion] Gal'perin IuM. **Fiziol Zh SSSR** 1985 Feb;71(2):182-94 (61 ref.) (Rus)

[Hygienic aspects of nutrition in night shift work] Bereza VIa. **Gig Sanit** 1985 Jun;(6):52-5 (43 ref.) (Rus)

[Social-hygienic aspects of working, living and nutritional conditions of railroad locomotive workers] Demirskaia LN. **Gig Sanit** 1985 Apr;(4):73-4 (Rus)

[Food toxicology as a part of nutrition hygiene and a training course] Gabovich RD, et al. **Gig Sanit** 1985 Jan;(1):42-5 (Rus)

[Main trends in the activities of the Ukrainian sanitary and epidemiological services with regard to public nutrition] Kas'ianenko AM. **Gig Sanit** 1985 Feb;(2):28-31 (Rus)

[Hygienic evaluation of nutrition, metabolism and health status of miners of the Kansk-Achinsk fuel and energy complex] Krasnopevtsev VM, et al. **Gig Sanit** 1984 Dec; (12):62-4 (Rus)

[Sanitary and hygienic control of nutrition in the armies of the Western and 3d Byelorussian fronts during World War II] Vavilin PA. **Gig Sanit** 1985 May;(5):4-6 (Rus)

[Obesity as a current social problem] Beiul EA, et al. **Ter Arkh** 1984;56(11):106-9 (Eng. Abstr.) (Rus)

[Age-related dynamics of the prevalence of ischemic heart disease and arterial hypertension and the mean level of basic risk factors in men 20 to 69 related to the nature of their nutrition] Khaltaev NG, et al. **Ter Arkh** 1985;57(1):17-21 (Eng. Abstr.) (Rus)

[Hypokinesia, nutrition and lipid metabolism. Lipids and lipoproteins in the blood] Sharmanov TSh, et al. **Vopr Med Khim** 1984 Sep-Oct;30(5):114-8 (Eng. Abstr.) (Rus)

[Effect of natural sterols on the body] Garbuzov AG. **Vopr Pitan** 1984 Jul-Aug;(4):7-12 (127 ref.) (Rus)

[Health status indicators in elderly persons receiving various amounts of carbohydrates in their food] Grigorow IuG, et al. **Vopr Pitan** 1985 Mar-Apr;(2):26-30 (Eng. Abstr.) (Rus)

[Nutrition of patients with ischemic heart disease and arterial hypertension in the general population] Khaltaev NG, et al. **Vopr Pitan** 1985 Jan-Feb;(1):18-21 (Eng. Abstr.) (Rus)

[Actual nutrition and various indicators of the nutritional status of workers in the watch-making industry] Khotimchenko SA, et al. **Vopr Pitan** 1984 Jul-Aug;(4):23-5 (Rus)

[The need to elaborate a concept of directed (goal-oriented) human nutrition] Konyshev VA. **Vopr Pitan** 1985 Jan-Feb; (1):65-9 (Rus)

[Effect of the type of nutrition on cyclic nucleotide metabolism in workers in the phosphate industry] Mamyrbaev AA. **Vopr Pitan** 1985 Mar-Apr;(2):32-6 (Rus)

[Energy requirement of miners working in modern, highly mechanized coal mines] Pichkhadze GM, et al. **Vopr Pitan** 1985 Mar-Apr;(2):30-2 (Eng. Abstr.) (Rus)

[D.I. Mendeleev and the problems of food technology (on his 150th birthday)] Shamin AN. **Vopr Pitan** 1984 Nov-Dec;(6):67-70 (Rus)

[Results and prospects of development of scientific research at the Kazakh Division, Institute of Nutrition, U.S.S.R. Academy of Medical Sciences] Sharmanov TSh. **Vopr Pitan** 1984 Nov-Dec;(6):3-7 (Rus)

[State sanitary control of nutrition hygiene during World War II] Shtenberg AI. **Vopr Pitan** 1985 Mar-Apr;(2):11-5 (Rus)

[Nutrition and the formation of the organic matrix in bone tissue] Smoliar VI. **Vopr Pitan** 1984 Jul-Aug;(4):3-7 (44 ref.) (Rus)

[Body function in nutrition with a diet made up of canned products during acclimatization to a hot climate] Tsyganov EP, et al. **Vopr Pitan** 1985 Jan-Feb;(1):27-30 (Eng. Abstr.) (Rus)

[Principles of organizing nutrition for miners in sanatoria and preventoria] Vankhanen VV. **Vopr Pitan** 1985 May-Jun; (3):74-6 (Rus)

[Nutrition of patients from various dispensary groups at industrial plants] Karpenko PA, et al. **Vrach Delo** 1985 May;(5):106-8 (Eng. Abstr.) (Rus)

[Nutritional status of patients before kidney transplantation] Borošová E, et al. **Vnitr Lek** 1984 Oct;30(10):968-73 (Eng. Abstr.) (Slo)

[Genetic improvement of grain legumes of importance to Latin American diet and the soy bean] Lam-Sánchez A. **Arch Latinoam Nutr** 1984 Mar;34(1):11-21 (Eng. Abstr.) (Spa)

[Nutrition in the aged and dental prostheses] Miquel JL, et al. **Bol Of Sanit Panam** 1985 Mar;98(3):228-35 (Eng. Abstr.) (Spa)

[Maternal nutrition and fetal growth] Mora JO. **GEN** 1983 Jan-Jun;37(1-2):1-15 (Spa)

[Biochemical and ultrastructural characteristics of the placenta in relation to human nutrition] Araya J, et al. **Rev Med Chil** 1984 Jul;112(7):649-54 (Eng. Abstr.) (Spa)

[Influence of nutritional status on intravenous pharmacokinetics of haloperidol in psychotic patients] Donoso A, et al. **Rev Med Chil** 1984 Aug;112(8):777-83 (Eng. Abstr.) (Spa)

[Influence of the socioeconomic level on the nutritional status of students graduating from elementary and high schools] Ivanović D, et al. **Rev Med Chil** 1984 Nov;112(11):1165-71 (Eng. Abstr.) (Spa)

[Pre-operative assessment of the nutritional status in a rural hospital] Ortíz A. **Rev Med Chil** 1984 Apr;112(4):401-3 (Spa)

[Evaluation of patients' nutritional status] de Oca J, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):19-24 (Spa)

DRUG EFFECTS

Nutritional consequences of drugs used in pediatrics. Olness KN. **Clin Pediatr (Phila)** 1985 Aug;24(8):417-20

Nutrient regulation of chemical metabolism in humans. Anderson KE, et al. **Fed Proc** 1985 Jan;44(1 Pt 1):130-3 (42 ref.)

Metabolic mechanisms of drug-nutrient interactions. Hathcock JN. **Fed Proc** 1985 Jan;44(1 Pt 1):124-9 (30 ref.)

[Effects of ornithine alpha-ketoglutarate on the nutritional state of intensive-care patients] Demarcq JM, et al. **Cah Anesthesiol** 1984 Mar;32(3):229-32 (Eng. Abstr.) (Fre)

EDUCATION

Biennial survey of physician clinical nutrition training programs. Heymsfield SB, et al. **Am J Clin Nutr** 1985 Jul; 42(1):152-65

Conference on nutrition teaching in medical schools. The New York-New Jersey Regional Center for Clinical Nutrition Education. **Bull NY Acad Med** 1984 Jul-Aug; 60(6):542-686

Bridging the gap: nutrition teaching in introduction to medicine and physical diagnosis courses. Deen D. **Bull NY Acad Med** 1984 Jul-Aug;60(6):649-52

Specific goals for nutrition teaching 'if I had my way'. Feldman EB. **Bull NY Acad Med** 1984 Jul-Aug; 60(6):573-84

The value of nutrition support services as a teaching aid. Howard L. **Bull NY Acad Med** 1984 Jul-Aug;60(6):670-4

Nutrition education for medical students at the University of Maryland. Iber FL. **Bull NY Acad Med** 1984 Jul-Aug; 60(6):627-32

A methodology for nutrition curriculum evaluation. Karp R. **Bull NY Acad Med** 1984 Jul-Aug;60(6):585-90

Nutrition teaching at the basic science level. Kesner L. **Bull NY Acad Med** 1984 Jul-Aug;60(6):642-8

The development of goals and objectives for a nutrition teaching program. Levy M, et al. **Bull NY Acad Med** 1984 Jul-Aug;60(6):564-72

Clinical nutrition courses at Louisiana State University in New Orleans. Lopez A. **Bull NY Acad Med** 1984 Jul-Aug; 60(6):633-9

Data on nutrition courses and electives from the Regional Nutrition Center. Lowell BC. **Bull NY Acad Med** 1984 Jul-Aug;60(6):613-6

Requirements for an effective nutrition teaching program in medical schools: essential personnel and medical center resources. Pi-Sunyer FX, et al. **Bull NY Acad Med** 1984 Jul-Aug;60(6):675-86

Achieving clinical integration. Pi-Sunyer FX, et al. **Bull NY Acad Med** 1984 Jul-Aug;60(6):653-69

An integrated approach for nutrition teaching in the medical curriculum. Rombeau JL. **Bull NY Acad Med** 1984 Jul-Aug;60(6):602-9

Summary of Regional Nutrition Center activities. Shils ME. **Bull NY Acad Med** 1984 Jul-Aug;60(6):558-63

Evaluation of the quality and quantity of nutrition teaching in the curriculum. Shils ME, et al. **Bull NY Acad Med** 1984 Jul-Aug;60(6):591-601

Nutrition teaching in medical schools: the student perspective. Shulman LP. **Bull NY Acad Med** 1984 Jul-Aug;60(6):617-8

Discrete nutrition courses vs. the integrated approach. Winick M. **Bull NY Acad Med** 1984 Jul-Aug;60(6):610-2

The value of discrete nutrition courses. Winick M, et al. **Bull NY Acad Med** 1984 Jul-Aug;60(6):619-26

Experience with intensive nutrition courses. Wylie-Rosett J, et al. **Bull NY Acad Med** 1984 Jul-Aug;60(6):640-1

Trends in clinical nutrition education. Young EA. **Bull NY Acad Med** 1984 Jul-Aug;60(6):542-57

Nutrition teaching in the Canadian dental and medical schools. Ng ML, et al. **Can Dent Assoc J** 1984 Dec; 50(12):895-7

Head start/USDA conduct nutrition education projects. Phillips MG. **Child Today** 1985 Mar-Apr;14(2):15-8

Nutrition for a new nation. The FAO initiative for Namibia. Atkinson K. **Food Nutr (Roma)** 1983;9(2):15-23

Gerontological education and innovations in training nutritionists-dietetic professionals for work with the elderly: a symposium. **Gerontol Geriatr Educ** 1984 Summer; 4(4):1-105

Baccalaureate degree education for nutritionists/dietetic professionals working with the aging. Sims LS, et al. **Gerontol Geriatr Educ** 1984 Summer;4(4):19-22

A critique of recommended subject matter for education of nutritionists-dietitians working with the elderly. Steinbaugh M. **Gerontol Geriatr Educ** 1984 Summer; 4(4):9-13

Implementing the NACNE report [editorial] Clark J, et al. **Hum Nutr Appl Nutr** 1984 Jun;38(3):164

Nutrition education for children aged 7-11 years--a practical approach. Evans V, et al. **Hum Nutr Appl Nutr** 1984 Jun; 38(3):223-4

Implications of nutrition education versus food supplementation in pre-school children. Kumari S, et al. **Indian Pediatr** 1985 Mar;22(3):221-4

University wellness commitment initiates nutrition clinic. Corrozi AM, et al. **J Am Diet Assoc** 1985 Jan;85(1):81-2

Food and nutrition skills of mentally retarded adults: assessment and needs. Green EM, et al. **J Am Diet Assoc** 1985 May;85(5):611-3

Nutrition clinic: an integral component of an undergraduate curriculum. Hammond MI, et al. **J Am Diet Assoc** 1985 May;85(5):594-6

Improving nutrition components in medical and dental school curriculums. Hoting H, et al. **J Am Diet Assoc** 1985 Apr; 85(4):479-80

Medical nutrition education: an assessment of nutrition education in a family practice residency program. Kupper NS, et al. **J Am Diet Assoc** 1985 Aug;85(8):973-4

Nutrient intake of institutionalized developmentally disabled individuals: impact of the nutrition knowledge of paraprofessionals. Litchford MD, et al. **J Am Diet Assoc** 1985 Jun;85(6):690-2

Efficacy of prenatal nutrition counseling: weight gain, infant birth weight, and cost-effectiveness. Orstead C, et al. **J Am Diet Assoc** 1985 Jan;85(1):40-5

A nutrition curriculum for health education: its effect on students' knowledge, attitude, and behavior. Byrd-Bredbenner C, et al. **J Sch Health** 1984 Nov; 54(10):385-8

A nutrition curriculum for families with high blood pressure. Farris RP, et al. **J Sch Health** 1985 Mar;55(3):110-2

Great Sensations: a program to encourage heart healthy snacking by high school students. Simons-Morton BG, et al. **J Sch Health** 1984 Sep;54(8):288-91

Observations on the practice of clinical nutrition in hospitals in China. Heimburger DC. **JPEN** 1984 Nov-Dec; 8(6):628-31

Requirements for specialist training [letter] Waterlow JC. **Lancet** 1985 Mar 9;1(8428):576

Food and nutrition education for children who are mentally retarded. Stapley VJ, et al. **Ment Retard** 1984 Dec; 22(6):289-93

Food groups in cultural perspective. Brieger WR. **Trop Doct** 1985 Jan;15(1):42-3

[Training of community health aides in the subject of nutrition] Fournier G, et al. **Med Trop (Mars)** 1985

Apr-Jun;45(2):185-91 (Eng. Abstr.) **(Fre)**

[Obesity therapy--sensible after care of patients following treatment using a nutrition counseling system] Schröder EM. **Off Gesundheitswes** 1985 Apr;47(4):151-3 **(Ger)**

[Training of specialists from epidemiological health service institutions in the problems of nutritional hygiene as a form of introducing scientific developments] Popik SIa. **Vopr Pitan** 1985 Jan-Feb;(1):75-7 **(Rus)**

[Effect of nutritional education on food consumption in a group of children with insulin-dependent diabetes mellitus] Esquivel-Herrera S, et al. **Bol Med Hosp Infant Mex** 1984 Oct;41(10):525-7 (Eng. Abstr.) **(Spa)**

[Preparation of a food manual for community health workers] Icaza SJ, et al. **Bol Of Sanit Panam** 1985 Mar;98(3):244-50 (Eng. Abstr.) **(Spa)**

[A simple method for reviewing the curriculum of the Nutrition Program of the University of Costa Rica] Rodríguez L, et al. **Educ Med Salud** 1984;18(3):260-73 (Eng. Abstr.) **(Spa)**

HISTORY

The first fifty years. Widdowson EM. **Curr Concepts Nutr** 1984;13:1-20 (108 ref.)

Recollections of a career in nutrition. Sebrell WH. **J Nutr** 1985 Jan;115(1):23-38

NUTRITION DISORDERS

American College of Nutrition. 25th annual meeting. Symposium on nutritional management of gastrointestinal and liver diseases and other advances in clinical nutrition. September 20-22, 1984, Boston, Massachusetts. Program and abstracts. **J Am Coll Nutr** 1984;3(3):199-300

Workshop: Physiological and biochemical characteristics of animal models of nutritional dependent diseases. 30 November-2 December 1983, Bad Saarow, GDR. **Nahrung** 1985;29(6):547-627

Nutritional assessment at village-level. Jelliffe DB. **Public Health Rev** 1984;12(3-4):316-21

Developmental and health histories of severely and moderately malnourished and adequately nourished Indian preschool children. Lazarus T, et al. **S Afr Med J** 1985 Jun 8;67(23):927-8

BLOOD

Use of plasma somatomedin-C/insulin-like growth factor I measurements to monitor the response to nutritional repletion in malnourished patients. Clemmons DR, et al. **Am J Clin Nutr** 1985 Feb;41(2):191-8

Nutrition and somatomedin. XIII. Usefulness of somatomedin-C in nutritional assessment. Unterman TG, et al. **Am J Med** 1985 Feb;78(2):228-34

Fibronectin. A new nutritional parameter. McKone TK, et al. **Am Surg** 1985 Jun;51(6):336-9

Thyroid hormones in conditions of chronic malnutrition. A study with special reference to cancer cachexia. Persson H, et al. **Ann Surg** 1985 Jan;201(1):45-52

Effects of nutritional depletion and repletion on plasma methotrexate pharmacokinetics. Mihranian MH, et al. **Cancer** 1984 Nov 15;54(10):2268-71

Concentrations of transthyretin (prealbumin) and retinol-binding protein in alcoholics during alcohol withdrawal [letter] Staley MJ, et al. **Clin Chem** 1984 Nov;30(11):1887

Nutritional assessment in patients with chronic gastrointestinal symptoms: comparison of functional and organic disorders. Maudgal DP, et al. **Hum Nutr Clin Nutr** 1985 May;39(3):203-12

Photoperiodic time measurement is maintained in undernourished lambs with delayed puberty. Foster DL, et al. **J Reprod Fertil** 1985 Sep;75(1):203-8

Transferrin in maternal and cord blood: the relationship with birthweight. Dissanayake S, et al. **J Trop Med Hyg** 1984 Aug;87(4):167-71

Significance of hypoalbuminemia in pediatric oncology patients--malnutrition or infection? Merritt RJ, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun;9(3):303-6

[Changes in triiodothyronine and its reverse form in elderly patients with or without malnutrition (letter)] Brocker P, et al. **Presse Med** 1985 Jul 6;14(27):1474-5 **(Fre)**

[Plasma concentration of 25-hydroxycholecalciferol in infants] Larracilla-Alegre J, et al. **Bol Med Hosp Infant Mex** 1984 Jul;41(7):374-6 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

[Intestinal complications of chemotherapy in pediatric oncology. Incidence, type, and development] Morali A, et al. **Ann Pediatr (Paris)** 1984 Oct 15;31(9):715-24 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Nutritional assessment and postoperative morbidity. A prospective study in 286 consecutive surgical patients. Brodén G, et al. **Acta Chir Scand [Suppl]** 1984;520:27-32

Cancer and malnutrition--a critical interaction: a review. Balducci L, et al. **Am J Hematol** 1985 Jan;18(1):91-103 (92 ref.)

Correlation of immune and nutritional status with wound complications in patients undergoing abdominal surgery. Shukla VK, et al. **Am Surg** 1985 Aug;51(8):442-5

Malnutrition and the oral health of children in Ogbomosho, Nigeria. Sawyer DR, et al. **ASDC J Dent Child** 1985 Mar-Apr;52(2):141-5

Undernutrition and diabetes [letter] Khardori R. **Diabetes Care** 1985 May-Jun;8(3):302

Nutritional oedema and serum albumin concentration. Laditan AA. **East Afr Med J** 1984 Nov;61(11):812-6

Association of pneumonia with undernutrition and shigellosis. Alam AN, et al. **Indian Pediatr** 1984 Aug;21(8):609-13

Nutritional polyneuropathy and its manifestations in the lower extremity. D'Orazio L, et al. **J Am Podiatr Med Assoc** 1985 Jan;75(1):28-30 (8 ref.)

The effect of malnutrition on caries development and saliva composition in the rat. Johansson I, et al. **J Dent Res** 1985 Jan;64(1):37-43

Enteric disease and malnutrition: a plea for a more comprehensive view of a complex interaction [letter] Gutiérrez C, et al. **J Pediatr Gastroenterol Nutr** 1985 Feb;4(1):155-6

Nutritional nystagmus in infants. Zak TA, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jul-Aug;22(4):140-2

Nutritional status of patients with leg ulcers. Schraibman IG, et al. **J R Soc Med** 1985 Jan;78(1):39-42

Nutritional status of children with pyogenic meningitis. Mulla MI, et al. **J Trop Pediatr** 1984 Dec;30(6):303-6

Alzheimer's disease and malnutrition: a new etiological hypothesis. Abalan F. **Med Hypotheses** 1984 Dec;15(4):385-93 (73 ref.)

Does malnutrition predispose children to diarrhea? **Nutr Rev** 1985 May;43(5):144-5 (15 ref.)

The influence of early malnutrition on subsequent behavioral development. IV. Soft neurologic signs. Galler JR, et al. **Pediatr Res** 1984 Sep;18(9):826-32

Effect of malnutrition on rotavirus infection in suckling mice: kinetics of early infection. Offor E, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):85-90

The role of malnutrition in common forms of physical and mental congenital defects among Nigerian Africans. Adeyokunnu AA. **Prog Clin Biol Res** 1985;163B:409-18

Report of the workshop on nutrition. Hurley LS. **Prog Clin Biol Res** 1985;163B:365-8

Can infant malnutrition cause adult vertebral stenosis? Clark GA, et al. **Spine** 1985 Mar;10(2):165-70

Clinical and subclinical nutritional neurological damage in former war prisoners of the Japanese. Venables GS, et al. **Trans R Soc Trop Med Hyg** 1985;79(3):412-4

[Evaluation of the nutritional status and immunological reactivity in patients with heart diseases] Bačovsky J, et al. **Cas Lek Cesk** 1985 Feb 22;124(8):232-6 (Eng. Abstr.) **(Cze)**

[Nutritional survey in 11 patients with ataxic forms of tropical neuropathies (letter)] Tranchant D, et al. **Presse Med** 1984 Sep 15;13(31):1905 **(Fre)**

[Nutritional osteomalacia. Description of a clinical case] Gherlinzoni F, et al. **Chir Organi Mov** 1982-83;68(4-6):771-5 (Eng. Abstr.) **(Ita)**

[Living and working conditions and the nutrition of workers in the textile industry with pancreatic, biliary tract and intestinal diseases] Bojanowicz K, et al. **Med Pr** 1984;35(4):293-6 (Eng. Abstr.) **(Pol)**

[Nutrition--a factor in preventing arteriosclerosis, coronary disease and blood coagulation disorders. II. The effect of nutritional imbalance on atherogenesis and the blood coagulation system] Bazaz'ian GG. **Biol Nauki** 1984;(10):14-27 (55 ref.) (Eng. Abstr.) **(Rus)**

[Role of nutritional disorders in shaping obstructive syndromes in infants in the 1st year of life suffering from acute respiratory infection] Mel'nik AI, et al. **Vopr Pitan** 1985 Jan-Feb;(1):72-3 **(Rus)**

[Non-alcoholic steatohepatitis associated with malnutrition (letter)] Pérez C, et al. **Med Clin (Barc)** 1984 Jun 30;83(5):223-4 **(Spa)**

[Clinico-pathological features of chronic pancreatitis. I. Etiology] Uscanga L, et al. **Rev Gastroenterol Mex** 1984 Oct-Dec;49(4):221-5 (Eng. Abstr.) **(Spa)**

[Vascular purpura secondary to scurvy in a patient who is not from a deprived socioeconomic level (letter)] Olcoz M, et al. **Sangre (Barc)** 1984;29(5):957-8 **(Spa)**

[Gait disturbances with slow leg tremor in alcoholism and malnutrition] Silfverskiöld B. **Lakartidningen** 1985 Mar 13;82(11):956-7 **(Swe)**

DIAGNOSIS

Prospective trial of a new diagnostic criterion for severe wasting malnutrition in the elderly. Friedman PJ, et al. **Age Ageing** 1985 May;14(3):149-54

Evaluation of nutritional status. Durnin JV, et al. **Bibl Nutr Dieta** 1985;(35):20-30 (27 ref.)

Bridging the gap: nutrition teaching in introduction to medicine and physical diagnosis courses. Deen D. **Bull NY Acad Med** 1984 Jul-Aug;60(6):649-52

Reliability of the total lymphocyte count as a parameter of nutrition. Forse RA, et al. **Can J Surg** 1985 May;28(3):216-9

Clinical and subclinical nutritional deficiencies. Dutra de Oliveira JE, et al. **Int Z Vitam Ernahrungsforsch [Beih]** 1984;26:59-65

Growth as a measure of nutritional status. Sutphen JL. **J Pediatr Gastroenterol Nutr** 1985 Apr;4(2):169-81 (137 ref.)

Family anthropometry: a new strategy for determining community nutrition [letter] Dugdale AE. **Lancet** 1985 Sep 21;2(8456):672-3

Nutritional status and infections in Ethiopian immigrants to Israel [letter] Morduchowicz G, et al. **Lancet** 1985 Mar 23;1(8430):704-5

A nutritional interview for clients with developmental disorders. Kalisz K, et al. **Ment Retard** 1984 Dec;22(6):279-88

Nutritional anthropometry. Wasting assessment by direct reading on a modified weight-for-height scale. Franks SH, et al. **Trans R Soc Trop Med Hyg** 1985;79(2):264-6

[Evaluation of nutritional status using anthropometric and biochemical indicators and tests of cellular immunity. Mutual relations between individual parameters] Kábrt J, et al. **Cas Lek Cesk** 1985 Feb 22;124(8):237-41 (Eng. Abstr.) **(Cze)**

[How to evaluate the nutritional status of a patient?] Bringer J, et al. **Presse Med** 1985 Jan 19;14(2):75-7 **(Fre)**

[Preoperative denutrition: is the assay of fibronectin a good marker in cancer patients? (letter)] Delalande JP, et al. **Presse Med** 1985 Jun 1;14(22):1244 **(Fre)**

[Nutritional status--how it is measured] Newman D, et al. **Harefuah** 1984 Jul;107(1-2):30-3 **(Heb)**

[Anthropometric criteria in the diagnosis of malnutrition in child care programs] Monteiro CA. **Rev Saude Publica** 1984 Jun;18(3):209-17 (Eng. Abstr.) **(Por)**

[Advances in the diagnosis of nutritional status: the importance of hypozincemia] Hierro FR, et al. **An Esp Pediatr** 1984 Oct 15;21(5):473-6 **(Spa)**

[Anthropometry in the evaluation of nutritional status] González-Richmond JA. **Bol Med Hosp Infant Mex** 1985 Mar;42(3):207-12 (Eng. Abstr.) **(Spa)**

[Nutritional evaluation of pediatric patients with solid tumors] Bustos P, et al. **Rev Chil Pediatr** 1984 May-Jun;55(3):164-70 (Eng. Abstr.) **(Spa)**

[Evaluation of patients' nutritional status] de Oca J, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):19-24 **(Spa)**

DIET THERAPY

Nutrition in cystic fibrosis. Farrell PM. **Bol Asoc Med PR** 1984 Aug;76(8):352-4

Nutritional support as an adjunct therapy of advanced cancer patients. Tandon SP, et al. **Indian J Med Res** 1984 Aug;80:180-8

Hospital-wide screening improves basis for nutrition intervention. Christensen KS, et al. **J Am Diet Assoc** 1985 Jun;85(6):704-6

Energy needs and nutritional rehabilitation in undernourished adolescents and young adult patients with cystic fibrosis. Pencharz P, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S147-53

Dietary therapy in nutrition disorders. Crump IM. **Ment Retard** 1984 Dec;22(6):277-8

[Value of nutrition therapy in dermatology] Grosser V, et al. **Dermatol Monatsschr** 1984;170(5):302-10 (Eng. Abstr.) **(Ger)**

[Problems of parenteral nutrition in patients operated on for neoplasms of the colon] Stella S, et al. **Ann Ital Chir** 1984;56(4):395-402 (Eng. Abstr.) **(Ita)**

[Enteral nutritional support in the treatment of the high-risk surgical patient] Ferri O, et al. **Minerva Med** 1984 Sep 15;75(35):1989-92 (Eng. Abstr.) **(Ita)**

[Nutritional support in the critical surgical patient. Current orientation] Lombardi M, et al. **Minerva Med** 1984 Sep 15;75(35):1997-8 **(Ita)**

[Use of parenteral hyperalimentation in the treatment of cancer patients] Placida G, et al. **Minerva Med** 1984 Sep 15;75(35):2011-2 **(Ita)**

[Use of spirulina as an adjuvant nutrient factor in the therapy of the diseases accompanying a nutritional deficiency (preliminary note)] Fica V, et al. **Rev Med Interna [Med Interna]** 1984 May-Jun;36(3):225-32 **(Rum)**

[Effectiveness of using Maliutka and Malysh adapted propionic-acidophilus mixtures in the combined treatment of congenital hypotrophy] Loskutova IE. **Vopr Pitan** 1985 May-Jun;(3):17-20 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Sequential disaccharidase loss in rat intestinal blind loops: impact of malnutrition. Sherman P, et al. **Am J Physiol** 1985 Jun;248(6 Pt 1):G626-32

Changes in erythrocyte transketolase activity and the thiamine pyrophosphate effect during storage of blood. Puxty JA, et al. **Ann Clin Biochem** 1985 Jul;22 (Pt 4):423-7

Elevated serum immunoreactive pancreatic cationic trypsinogen in acute malnutrition: evidence of pancreatic damage. Durie PR, et al. **J Pediatr** 1985 Feb;106(2):233-8

ETIOLOGY

Morbid obesity, gastric plication and a severe neurological deficit. Somer H, et al. **Acta Med Scand** 1985;217(5):575-6

Hospital malnutrition: incidence and prospective evaluation of general medical patients during hospitalization. Agradi E, et al. **Acta Vitaminol Enzymol** 1984;6(4):235-42

Alcohol-nutrition interaction: 1984 update. Lieber CS. **Alcohol** 1984 Mar-Apr;1(2):151-7 (80 ref.)

Atypical presentation of childhood acquired immune deficiency syndrome mimicking Crohn's disease: nutritional considerations and management. Benkov KJ, et al. **Am J Gastroenterol** 1985 Apr;80(4):260-5

Nutritional aspects of inflammatory bowel disease. Rosenberg IH, et al. **Annu Rev Nutr** 1985;5:463-84 (99 ref.)

Nutrition and cancer: physiological interrelationships. van Eys J. **Annu Rev Nutr** 1985;5:435–61 (183 ref.)

Alcohol–nutrition interaction. Lieber CS. **Bol Asoc Med PR** 1984 Oct;76(10):445–7 (28 ref.)

ABC of nutrition. Malnutrition in the Third World--I. Truswell AS. **Br Med J [Clin Res]** 1985 Aug 24; 291(6494):525–8

Metabolic abnormalities in the cancer patient. Heber D, et al. **Cancer** 1985 Jan 1;55(1 Suppl):225–9

The impact of antitumor therapy on nutrition. Kokal WA. **Cancer** 1985 Jan 1;55(1 Suppl):273–8

Aspects of amino acid and protein metabolism in cancer–bearing states. Landel AM, et al. **Cancer** 1985 Jan 1;55(1 Suppl):230–7 (63 ref.)

Preoperative identification of the surgical cancer patient in need of postoperative supportive total parenteral nutrition. Meguid MM, et al. **Cancer** 1985 Jan 1;55(1 Suppl):258–62

Body composition of patients with malnutrition and cancer. Summary of methods of assessment. Shizgal HM. **Cancer** 1985 Jan 1;55(1 Suppl):250–3

A study of nutritional status, parasitic infections and haematology in a farmworker community in Zimbabwe. Chandiwana SK, et al. **Cent Afr J Med** 1984 Sep; 30(9):172–5

Causes of malnutrition in Harare--a hospital case–control study. Waterston T, et al. **Cent Afr J Med** 1984 Jun; 30(6):97–102

Malnutrition after gastric surgery. Association with exaggerated distal intestinal hormone release. Kotler DP, et al. **Dig Dis Sci** 1985 Mar;30(3):193–9

An assessment of nutritional depletion following major colonic surgery. Guess CW, et al. **Dis Colon Rectum** 1984 Oct;27(10):669–71

Vitamins in nutritional and metabolic imbalances. Baker H. **Int Z Vitam Ernahrungsforsch [Beih]** 1984;26:147–55

Importance of nutritional assessment and support in surgical and cancer patients. Orr JW Jr, et al. **J Reprod Med** 1984 Sep;29(9):635–50 (113 ref.)

Nutritional implications of inflammatory bowel disease. Heatley RV. **Scand J Gastroenterol** 1984 Nov;19(8):995–8

The nutritional consequence of gastric and pancreatic surgery. Liaw KY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Nov;83(11):1105–12

[Hepatic insufficiency and nutritional problems after major hepatobiliary surgery] Launois B, et al. **J Chir (Paris)** 1984 Oct;121(10):573–85 (Eng. Abstr.) **(Fre)**

[Nutritional status and quality of life following gastrectomy] Walter F, et al. **Zentralbl Chir** 1984;109(17):1122–9 (Eng. Abstr.) **(Ger)**

[Nutritional status of patients before kidney transplantation] Borošová E, et al. **Vnitr Lek** 1984 Oct;30(10):968–73 (Eng. Abstr.) **(Slo)**

[Anorexia and malnutrition in the hospitalized patient] Martí–Henneberg C, et al. **Med Clin (Barc)** 1985 Jun 15; 85(3):99–101 **(Spa)**

[Nutritional and prognostic factors in cancer patients] Bagattini Mari JC, et al. **Rev Gastroenterol Mex** 1984 Oct–Dec;49(4):227–34 (Eng. Abstr.) **(Spa)**

[Nutritional status of patients undergoing heart valve surgery. Preliminary study] Herreros J, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):45–8 **(Spa)**

[Malnutrition in the hospital: the physician should increase his interest for patients' nutritive condition and food habits] Isaksson B, et al. **Lakartidningen** 1985 Feb 13;82(7):498–501 **(Swe)**

IMMUNOLOGY

Elimination diet therapy in allergic children--a word of caution [letter] Podleski WK. **Am J Dis Child** 1985 Apr; 139(4):330

Modification of humoral and cellular host defense systems by malnutrition in humans. Watson RR. **Ariz Med** 1984 Nov;41(11):734–9 (17 ref.)

Replenishing the starved patient. When do lung immune cells recover? [editorial] Shennib H, et al. **Chest** 1985 Feb; 87(2):138–9

Nutritional assessment indications of postburn complications. Jensen TG, et al. **J Am Diet Assoc** 1985 Jan;85(1):68–72

Immunodepression secondary to malnutrition: assay by lymphocyte subset analysis using monoclonal antibodies and the cell sorter. Ricci JL, et al. **J Pediatr Surg** 1984 Dec;19(6):829–31

Study of some immune responses in postnatally, malnourished rats. Faruque SM, et al. **JPMA** 1984 Sep;34(9):270–1

[The nutritional immunodeficiency syndrome] Cuisinier–Raynal JC, et al. **Med Trop (Mars)** 1985 Apr–Jun; 45(2):135–43 (Eng. Abstr.) **(Fre)**

[Postoperative T cell suppression in relation to preoperative nutritional status in childhood] Erwa W, et al. **Padiatr Padol** 1985;20(2):151–63 (Eng. Abstr.) **(Ger)**

METABOLISM

Resting energy expenditure in malnutrition [letter] Cunningham JJ. **Am J Clin Nutr** 1985 Feb;41(2):371–2

Tolerance to glucose polymers in malnourished infants with diarrhea and disaccharide intolerance. Fagundes–Neto U, et al. **Am J Clin Nutr** 1985 Feb;41(2):228–34

Whole body protein turnover in malnourished cystic fibrosis patients and its relationship to pulmonary disease. Holt TL, et al. **Am J Clin Nutr** 1985 May;41(5):1061–6

Cyclic AMP–mediated jejunal secretion in lactose–fed malnourished rats. Lifshitz F, et al. **Am J Clin Nutr** 1985 Jun;41(6):1265–9

Hepatic antipyrine metabolism in malnourished patients: influence of the type of malnutrition and course after nutritional rehabilitation. Tranvouez JL, et al. **Am J Clin Nutr** 1985 Jun;41(6):1257–64

Fat and energy content of breast milk of malnourished and well nourished women, Brazil 1982. Marin Spring PC, et al. **Ann Trop Paediatr** 1985 Jun;5(2):83–7

Undernutrition in sheep. The effect of supplementation with protein on protein accretion. Fattet I, et al. **Br J Nutr** 1984 Nov;52(3):561–74

Response of male and female rats to undernutrition. 2. Influence of ovariectomy on partition of nutrients by female rats during undernutrition. Harris PM, et al. **Br J Nutr** 1984 Sep;52(2):307–17

Response of male and female rats to undernutrition. 1. Changes in energy utilization, body composition and tissue turnover during undernutrition. Harris PM, et al. **Br J Nutr** 1984 Sep;52(2):289–306

Tetracycline absorption in malnutrition. Raghuram TC, et al. **Drug Nutr Interact** 1981;1(1):23–9

Drug binding in the undernourished: a study of the binding of propranolol to alpha 1–acid glycoprotein. Jagadeesan V, et al. **Eur J Clin Pharmacol** 1985;27(6):657–9

Effect of early maternal deprivation on brain 5–HT & pentobarbitone sleeping time in suckling rats. Chakrabarti A, et al. **Indian J Med Res** 1985 Mar;81:286–92

Glycemia, ketonemia, and brain enzymes of ketone body utilization in suckling and adult rats undernourished from intrauterine life. Escrivá F, et al. **J Neurochem** 1985 May; 44(5):1358–62

Effects of undernutrition and thyroid state on the ontogenetic changes of D1, D2, and D3 brain–specific proteins in rat cerebellum. Patel AJ, et al. **J Neurochem** 1985 May; 44(5):1581–7

Incorporation of [3H]thymidine into DNA and of [35S]sulfate into sulfatides of oligodendroglial cells during development: effect of malnutrition. Larocca JN, et al. **Neurochem Res** 1985 Jan;10(1):89–98

Neonatal malnutrition in the rat affects the delivery of sulfatides from microsomes and their entry into myelin. Sato C, et al. **Neurochem Res** 1985 Feb;10(2):179–89

Lipid peroxidation in developing rat brain during undernutrition. Chakrabarti S, et al. **Neurosci Lett** 1984 Jul 27;48(2):109–13

[Copper metabolism, causes and prevention of its deficiency in the human body] Nasolodin VV. **Vopr Pitan** 1984 Jul–Aug;(4):12–7 (72 ref.) **(Rus)**

MORTALITY

The main causes of death in malnutrition. Kerpel–Fronius E. **Acta Paediatr Hung** 1984;25(1–2):127–30

Land tenure patterns and child health in southern Brazil: the relationship between agricultural production, malnutrition and child mortality. Victora CG, et al. **Int J Health Serv** 1985;15(2):253–74

Why the mortality discriminating power of anthropometric indicators differs among populations [letter] Bairagi R. **J Trop Pediatr** 1985 Feb;31(1):63–4

NURSING

Diagnosing nutrition problems. Carpenito LJ. **Am J Nurs** 1985 May;85(5):584

Food for thought [editorial] Mallison MB. **Am J Nurs** 1985 Mar;85(3):233

Burn care. The nutrition factor. Rosequist CC, et al. **Am J Nurs** 1985 Jan;85(1):45–7

OCCURRENCE

Export crop production and malnutrition. Pinstrup–Anderson P. **Food Nutr (Roma)** 1983;9(2):6–14

Nutritional status of the social class groups. Fancourt GJ, et al. **Hum Nutr Clin Nutr** 1984 Nov;38(6):453–62

Nutritional status of the Colombian population. Results of the 1977–80 National Health Survey. Mora JO. **Int Z Vitam Ernahrungsforsch [Beih]** 1985;27:19–31

Principles and applications of nutrition survey findings. Schaefer AE. **Int Z Vitam Ernahrungsforsch [Beih]** 1985; 27:33–45

Nutrition situation in the Arabian Gulf countries. Musaiger AO. **J R Soc Health** 1985 Jun;105(3):104–6

Morbidity and mortality in the Mozambican famine of 1983: prevalence of malnutrition and causes and rates of death and illness among dislocated persons in Gaza and Inhambane Provinces. Rutherford GW, et al. **J Trop Pediatr** 1985 Jun;31(3):143–9

Nutritional evaluation and supplementation of elderly subjects participating in a 'meals on wheels' program. Lipschitz DA, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun;9(3):343–7

Maternal and childhood nutrition among Aborigines of the Kimberley region. Gracey M, et al. **Med J Aust** 1984 Oct 13;141(8):506–8

Malnutrition in the Outpatient Department of Child Nutrition Dr. Pirngadi Hospital Medan (1976–1979). Nazir N, et al. **Paediatr Indones** 1984 Mar–Apr;24(3–4):49–56

Interactions between disease and malnutrition on the Nembi Plateau, Papua New Guinea. Baines J, et al. **Papua New Guinea Med J** 1984 Sep–Dec;27(3–4):133–44

Poverty, hunger, malnutrition, prematurity, and infant mortality in the United States. Graham GG. **Pediatrics** 1985 Jan;75(1):117–25 (35 ref.)

Hunger debate [letter] Meyers A, et al. **Pediatrics** 1985 Sep; 76(3):471–2

The nutritional status of preschool children in Egypt. Jansen GR. **World Rev Nutr Diet** 1985;45:42–67

[Malnutrition: realities and perspectives] Cuisinier–Raynal JC. **Med Trop (Mars)** 1985 Apr–Jun;45(2):113–5 **(Fre)**

[Survey of nutritional pathology in Mauritania] Ducorps M, et al. **Med Trop (Mars)** 1985 Apr–Jun;45(2):164–9 (Eng. Abstr.) **(Fre)**

[Nutritional problems among adults in the Sahel] Sankalé M, et al. **Med Trop (Mars)** 1984 Apr–Jun;44(2):107–11 (Eng. Abstr.) **(Fre)**

PATHOLOGY

The corpus callosum during postnatal undernourishment and recovery: a morphometric analysis of myelin and axon relationships. Wiggins RC, et al. **Brain Res** 1985 Feb 25; 328(1):51–7

Testicular morphology and cell proliferation kinetics of immature germ cells and Sertoli cells in suckling undernourished rats. Bansal–Rajbanshi M, et al. **Cell Tissue Kinet** 1985 Mar;18(2):183–91

Testicular size: the effects of aging, malnutrition, and illness. Handelsman DJ, et al. **J Androl** 1985 May–Jun;6(3):144–51

Effects of prolonged undernutrition on structure and function of the diaphragm. Kelsen SG, et al. **J Appl Physiol** 1985 Apr;58(4):1354–9

Thymic epithelial cells of severely undernourished mice: accumulation of cholesteryl esters and absence of cytoplasmic vacuoles. Mittal A, et al. **Proc Soc Exp Biol Med** 1985 Mar;178(3):385–91

PHYSIOPATHOLOGY

Infant nutrition and later achievement. Dobbing J. **Am J Clin Nutr** 1985 Feb;41(2 Suppl):477–84 (29 ref.)

Effects of varying degrees of chronic dietary restriction in rat dams on reproductive and lactational performance and body composition in dams and their pups. Young CM, et al. **Am J Clin Nutr** 1985 May;41(5):979–87

Ontogeny of electrical activity of main olfactory bulb in freely–moving normal and malnourished rats. Almli CR, et al. **Brain Res** 1985 Feb;350(1–2):1–11

Differential growth recovery within the brains of postnatally undernourished rats. Fuller GN, et al. **Brain Res** 1984 Aug; 317(2):280–2

Myelination of the rat optic nerve during postnatal undernourishment and recovery: a morphometric analysis. Wiggins RC, et al. **Brain Res** 1984 Aug 13;308(2):263–72

Factors affecting delayed walking skill in malnourished children. Ojofeitimi EO, et al. **Child Abuse Negl** 1984; 8(3):369–72

The assessment of the functional consequences of malnutrition. Russell DM, et al. **Curr Concepts Nutr** 1984; 13:113–35 (81 ref.)

Nutrition and brain development. Winick M. **Curr Concepts Nutr** 1984;13:71–86 (17 ref.)

Ethanol inhibition of pituitary–thyroid axis: an effect secondary to nutritional deficiency. Shank ML, et al. **Endocr Res** 1984;10(2):139–50

Liver regeneration in oral contraceptive treated female rats--effects of moderate malnutrition. Mukundan MA, et al. **Horm Metab Res** 1984 Dec;16(12):641–5

Experimental study on rats to find the usefulness of nutritional supplementation to undernourished offspring of parents undernourished life–long. Rajanna B, et al. **Indian J Physiol Pharmacol** 1984 Apr–Jun;28(2):83–96

Effects of long–term nutritional rehabilitation on body composition and clinical status in malnourished children and adolescents with cystic fibrosis. Levy LD, et al. **J Pediatr** 1985 Aug;107(2):225–30

Postnatal undernutrition: effect of epidermal growth factor on growth and function of the gastrointestinal tract in rats. Majumdar AP. **J Pediatr Gastroenterol Nutr** 1984 Sep; 3(4):618–25

Effects of intrauterine malnutrition on brain free amino acids of young rats, after nutritional recovery during lactation period. Trindade CE, et al. **J Pediatr Gastroenterol Nutr** 1984 Nov;3(5):795–800

Nitrogen versus muscle calcium in the genesis of abnormal muscle function in malnutrition. Russell DM, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):415–21

Undernutrition and the development of brain neurotransmitter systems. Wiggins RC, et al. **Life Sci** 1984 Nov 19;35(21):2085–94 (58 ref.)

Long–term effects of early undernutrition on reactivity of the rat parietal association cortex. Pérez H, et al. **Neurosci Lett** 1984 Jul 27;48(2):103–7

Comparison of methods for obtaining milk samples from well–nourished and malnourished rats. Fellows WD, et al. **Physiol Behav** 1984 Nov;33(5):761–3

[Changes in circulating lymphocyte subsets in alcoholic hepatopathies. Respective role of alcohol, hepatocellular insufficiency and malnutrition] Couzigou P, et al. **Gastroenterol Clin Biol** 1984 Dec;8(12):915–9 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

ABC of nutrition. Adults young and old. Truswell AS. **Br Med J [Clin Res]** 1985 Aug 17;291(6493):466–9

Use of D-xylose to detect ingestion of a powdered milk food supplement by family members other than the children 0-2 years of age for whom it was intended. Ferriani MG, et al. **Bull Pan Am Health Organ** 1985;19(1):69-81

Critical evaluation of the role of nutritional support with chemotherapy. Chlebowski RT. **Cancer** 1985 Jan 1;55(1 Suppl):268-72 (63 ref.)

The deleterious effects of dogs on human health: 3. Miscellaneous problems and a control programme. Baxter DN. **Community Med** 1984 Aug;6(3):198-203

Prevention of blinding malnutrition in India. A shortened version of a paper presented at the conference of the German Committee for the Prevention of Blindness, May 1982. Venkataswamy G. **Doc Ophthalmol** 1984 Jun 15;57(4):353-5

Strategies for the control of malnutrition and the influence of the nutritional sciences. Latham MC. **Food Nutr (Roma)** 1984;10(1):5-31 (67 ref.)

Palm oil: a pilot study of its use in a nutrition intervention programme. Binns CW, et al. **J Trop Pediatr** 1984 Oct;30(5):272-4

Increased production and consumption of cane sugar in the Third World to prevent undernutrition and famine [letter] Alias AG. **N Engl J Med** 1985 Oct 3;313(14):894

Supplemental Food Program: effects on health and pregnancy outcome. Collins TR, et al. **South Med J** 1985 May;78(5):551-5

[Postoperative risk in major digestive surgery. Value of a prognostic nutritional index based upon 114 operations] Pélissier G, et al. **Chirurgie** 1984;110(6-7):615-20 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Effects of nutritional supplementation on children's responses to novel, frustrating, and competitive situations. Barrett DE, et al. **Am J Clin Nutr** 1985 Jul;42(1):102-20

Influence of early malnutrition on subsequent behavioral development. V. Child's behavior at home. Galler JR, et al. **J Am Acad Child Psychiatry** 1985 Jan;24(1):58-64

REHABILITATION

Serum albumin as a predictor of course and outcome on a rehabilitation service. Glenn MB, et al. **Arch Phys Med Rehabil** 1985 May;66(5):294-7

THERAPY

Prolonged enteral nutrition in malnourished patients with nonelemental feeding. Reappraisal of surgical technique, safety, and costs. Hinsdale JG, et al. **Am J Surg** 1985 Mar;149(3):334-8

Principal aspects of clinical nutrition. 20th symposium of the Group of European Nutritionists. Baden/bei Wien, September 22-24, 1983. **Bibl Nutr Dieta** 1985;(35):1-131

Management and organization of modern hospital nutrition care. Isaksson B. **Bibl Nutr Dieta** 1985;(35):95-105

The value of nutrition support services as a teaching aid. Howard L. **Bull NY Acad Med** 1984 Jul-Aug;60(6):670-4

Macronutrient requirements in the malnourished cancer patient. How much of what and why? Dempsey DT, et al. **Cancer** 1985 Jan 1;55(1 Suppl):290-4

The efficacy of total parenteral nutrition in malnourished tumor-bearing rats. Kokal WA, et al. **Cancer** 1985 Mar 15;55(6):1271-5

The delivery of nutritional support. A potpourri of new devices and methods. Meguid MM, et al. **Cancer** 1985 Jan 1;55(1 Suppl):279-89 (64 ref.)

Critical evaluation of the role of nutritional support for radiation therapy patients. Pezner R, et al. **Cancer** 1985 Jan 1;55(1 Suppl):263-7 (46 ref.)

The role of preoperative parenteral nutrition in cancer patients. Silberman H. **Cancer** 1985 Jan 1;55(1 Suppl):254-7

Enteral hyperalimentation in malnourished surgical patients. Shukla HS, et al. **Indian J Med Res** 1984 Sep;80:339-46

Influence of total parenteral nutrition on plasma fibronectin in malnourished subjects with or without inflammatory response. Sandstedt S, et al. **JPEN** 1984 Sep-Oct;8(5):493-6

Response to total parenteral nutrition in the extremely malnourished patient. Starker PM, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun;9(3):300-2

Nutritional considerations in the management of head and neck cancer patients. Baredes S, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):725-33

Nutritional support of the cancer patient. Apelgren KN. **W Va Med J** 1985 Apr;81(4):73-5

[Problems in nutrition and management of cancer patients] Sailer D. **Fortschr Med** 1985 Apr 11;103(14):361-4 (Eng. Abstr.) **(Ger)**

[Dietetics and social help--the need for standardization of evaluation practice] Möller A. **Off Gesundheitswes** 1985 Jan;47(1):15-6 **(Ger)**

[When to use the parenteral approach] De Salvo G. **Minerva Chir** 1985 Apr 15;40(7):391-4 **(Ita)**

[Artificial feeding in surgery. Our experience] Doldi SB, et al. **Minerva Dietol Gastroenterol** 1984 Jul-Sep;30(3):209-20 (Eng. Abstr.) **(Ita)**

[Total parenteral feeding in surgery of the digestive tract] Galeone M, et al. **Minerva Dietol Gastroenterol** 1984 Jul-Sep;30(3):227-32 (Eng. Abstr.) **(Ita)**

[Enteral feeding in cancer of the upper digestive and respiratory tract] Ose T, et al. **Tidsskr Nor Laegeforen** 1984 Oct 30;104(30):2100-3 **(Nor)**

[Nutrition in the surgical patient] de Oca J, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):27-30 **(Spa)**

VETERINARY

Intraruminal selenium pellet for control of nutritional muscular dystrophy in cattle. Hidiroglou M, et al. **J Dairy Sci** 1985 Jan;68(1):57-66

[Intestinal and fecal flora of weaned piglets with nutritive diarrhea caused by forced feed intake] Wittenbrink MM, et al. **DTW** 1984 Nov 22;91(11-12):387-91 (Eng. Abstr.) **(Ger)**

NUTRITION LABELING see **FOOD LABELING**

NUTRITION SURVEYS

Beltsville one-year dietary intake study. Beltsville Human Nutrition Research Center, US Department of Agriculture, Agricultural Research Center, Beltsville, MD. **Am J Clin Nutr** 1984 Dec;40(6 Suppl):1323-403

Diet, nutrition intake, and metabolism in populations at high and low risk for colon cancer. Nutrient intake. Calkins BM, et al. **Am J Clin Nutr** 1984 Oct;40(4 Suppl):896-905

Effect of making duplicate food collections on nutrient intakes calculated from diet records. Kim WW, et al. **Am J Clin Nutr** 1984 Dec;40(6 Suppl):1333-7

Evaluation of long-term dietary intakes of adults consuming self-selected diets. Kim WW, et al. **Am J Clin Nutr** 1984 Dec;40(6 Suppl):1327-32

Comparison of dietary histories and seven-day food records in a nutritional assessment of older adults. Mahalko JR, et al. **Am J Clin Nutr** 1985 Sep;42(3):542-53

Rationale and design of the Beltsville one-year dietary intake study. Mertz W, et al. **Am J Clin Nutr** 1984 Dec;40(6 Suppl):1323-6

Diet, nutrition intake, and metabolism in populations at high and low risk for colon cancer. Concordance of nutrient information obtained by different methods. Rider AA, et al. **Am J Clin Nutr** 1984 Oct;40(4 Suppl):906-13

Validity and reproducibility of a dietary history method estimating the usual food intake during one month. van Staveren WA, et al. **Am J Clin Nutr** 1985 Sep;42(3):554-9

Nutritional status of children in the health district of Cusco, Peru. Wolff MC, et al. **Am J Clin Nutr** 1985 Sep;42(3):531-41

A comparison of three dietary methods for estimating vitamin A intake. Russell-Briefel R, et al. **Am J Epidemiol** 1985 Oct;122(4):628-36

Comparing imperfect measures of exposure. Walker AM, et al. **Am J Epidemiol** 1985 Jun;121(6):783-90

Low iron intakes among young women in Britain. Barber SA, et al. **Br Med J [Clin Res]** 1985 Mar 9;290(6470):743-4

Dietary intake in a group of institutionalised elderly and the effect of a fibre supplementation programme on nutrient intake and weight gain. Baghurst KI, et al. **Community Health Stud** 1985;9(2):99-108

Review of food consumption surveys, 1981. Food and Agriculture Organization of the United Nations. Rome. **FAO Food Nutr Pap** 1983;27:1-270

The value of time-use data in nutrition. Lunven P. **Food Nutr (Roma)** 1983;9(2):33-8

Footnotes to food tables: 1. Differences in nutrient intakes of dietitians as calculated from the DHSS food tables and the fourth edition of McCance and Widdowson's 'The composition of foods'. Black AE, et al. **Hum Nutr Appl Nutr** 1985 Feb;39(1):9-18

The NACNE report: are the dietary goals realistic? Comparisons with the dietary patterns of dietitians. Black AE, et al. **Hum Nutr Appl Nutr** 1984 Jun;38(3):165-79

A weighed dietary survey of men in Caerphilly, South Wales. Fehilly AM, et al. **Hum Nutr Appl Nutr** 1984 Aug;38(4):270-6

Regional differences in dietary habits, coronary risk factors and mortality rates in Belgium. An interuniversity study. **Int J Epidemiol** 1984 Sep;13(3):371-2

A survey of dietary nitrate in well-water users. Chilvers C, et al. **Int J Epidemiol** 1984 Sep;13(3):324-31

Cholesterol intake as measured by unquantified and quantified food frequency interviews: implications for epidemiological research. Lee J, et al. **Int J Epidemiol** 1985 Jun;14(2):249-53

Measuring children's diets: evaluation of dietary assessment techniques in infancy and childhood. Persson LA, et al. **Int J Epidemiol** 1984 Dec;13(4):506-17

Principles and applications of nutrition survey findings. Schaefer AE. **Int Z Vitam Ernahrungsforsch [Beih]** 1985;27:33-45

Consequences of utilizing reduced nutrient data bases for estimating dietary adequacy. Hoover LW, et al. **J Am Diet Assoc** 1985 Mar;85(3):297-304, 307

One-day and 3-day nutrient intakes by individuals--Nationwide Food Consumption Survey findings, Spring 1977. Pao EM, et al. **J Am Diet Assoc** 1985 Mar;85(3):313-24

A comparative study of two nutrient data bases. Shanklin D, et al. **J Am Diet Assoc** 1985 Mar;85(3):308-13

Improving estimates of food and nutrient intake: applications to individuals and groups. Woteki CE. **J Am Diet Assoc** 1985 Mar;85(3):295-6

Medical and nutritional surveys in the Kingdom of Tonga; comparison of physiological and nutritional status of adult Tongans in urbanized (Kolofo-ou) and rural (Uiha) areas. Koike G, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Aug;30(4):341-56

Results of a nutrition information study among family practitioners in Oklahoma County. Tinker RA. **J Okla State Med Assoc** 1985 Feb;78(2):43-5

Nutrition situation in the Arabian Gulf countries. Musaiger AO. **J R Soc Health** 1985 Jun;105(3):104-6

Nutritional assessment at village-level. Jelliffe DB, et al. **J Trop Pediatr** 1984 Dec;30(6):290-2

Health and nutrition of labourers' families in Papua New Guinea. Huntsman AC. **Papua New Guinea Med J** 1984 Jun;27(2):73-81

Cross-sectional and longitudinal studies in the elderly. Exton-Smith AN. **Proc Nutr Soc** 1984 Sep;43(3):289-94 (24 ref.)

Dietary intake data: usefulness and limitations. Roberge AG, et al. **Prog Food Nutr Sci** 1984;8(1-2):27-42 (78 ref.)

Nutrition monitoring and research in the Department of Health and Human Services. Brandt EN Jr, et al. **Public Health Rep** 1984 Nov-Dec;99(6):544-9

Nutrition, lactation and fertility in two Mexican rural communities. Fink AE. **Soc Sci Med** 1985;20(12):1295-305

The portable Nabarro weight-height anthropometric nutrition assessment chart. A field trial in three countries in Africa. Campbell JL, et al. **Trans R Soc Trop Med Hyg** 1985;79(3):409-11

[Vitamin status: study of a group of French adults] Lemoine A, et al. **Bull Acad Natl Med (Paris)** 1984 May-Jun;168(5-6):522-30 (Eng. Abstr.) **(Fre)**

[Epidemiologic research activities on the vitamin status of the French] Raoul Y. **Bull Acad Natl Med (Paris)** 1984 May-Jun;168(5-6):520-1 **(Fre)**

[Nutrition studies in the mid-valley of Senegal. 1. Evolution of food consumption since 1958 and current structure of rations] Benefice E, et al. **Bull Soc Pathol Exot Filiales** 1985;78(1):110-8 (Eng. Abstr.) **(Fre)**

[Nutrition studies in the mid valley of Senegal. 2. Nutritional health of the population and its trends] Benefice E, et al. **Bull Soc Pathol Exot Filiales** 1985;78(2):239-48 (Eng. Abstr.) **(Fre)**

[Results of a dietary survey in the Calvados. Dietary intake, tobacco and alcohol consumption] Péquignot G, et al. **Gastroenterol Clin Biol** 1985 May;9(5):422-33 (Eng. Abstr.) **(Fre)**

[Evaluation and epidemiologic surveillance of nutritional deficiencies. Principles and application to elementary health units] Guelain J, et al. **Med Trop (Mars)** 1985 Apr-Jun;45(2):123-33 (Eng. Abstr.) **(Fre)**

[Evaluation of nutritional intake of proteins, lipids and carbohydrates by the adult population resident in Geneva] Morabia A, et al. **Soz Praventivmed** 1984;29(4-5):215-7 (Eng. Abstr.) **(Fre)**

[Nutrition and evaluation of the nutritional status of migrant harvest workers in the region of Ribeirão Preto, SP (Brazil)] Frederico NT, et al. **Rev Saude Publica** 1984 Oct;18(5):375-81 (Eng. Abstr.) **(Por)**

[Use of computers in studying the actual nutritional and health status of children] Mostovaia LA, et al. **Vopr Pitan** 1985 May-Jun;(3):56-9 (Eng. Abstr.) **(Rus)**

[Consumption, food habits and nutritional status of the population of Reus (II): distribution by age and sex of the consumption of meat, eggs, fish, and vegetables] Salas J, et al. **Med Clin (Barc)** 1985 Mar 23;84(11):423-7 (Eng. Abstr.) **(Spa)**

[Evaluation of hematologic values of a suburban population] Altafulla M, et al. **Rev Med Panama** 1985 Jan;10(1):27-31 (Eng. Abstr.) **(Spa)**

[Survey performed in a rural zone of Spain on food consumption at the family level obtained by the inventory and purchase system] López Nomdedeu C. **Rev Sanid Hig Publica (Madr)** 1984 Jan-Feb;58(1-2):119-46 (Eng. Abstr.) **(Spa)**

METHODS

Effect of interviewer recording practices on nutrient intake--Bogalusa Heart Study. Frank GC, et al. **J Am Diet Assoc** 1984 Dec;84(12):1432-6, 1439

NUTRITIONAL AVAILABILITY see **NUTRITIVE VALUE**

NUTRITIONAL REQUIREMENTS

Nutrition and cancer. Prevention and treatment. Hutchinson M. **Ala J Med Sci** 1984 Oct;21(4):387-9

Nutritional aspects of growing old. Munro HN. **Ala J Med Sci** 1984 Oct;21(4):384-7

Uses and limits of the use of the Recommended Dietary Allowances for evaluating dietary intake data. Beaton GH. **Am J Clin Nutr** 1985 Jan;41(1):155-64

Origin of Recommended Dietary Allowances—an historic overview. Harper AE. **Am J Clin Nutr** 1985 Jan;41(1):140-8

Status of the 10th edition of the Recommended Dietary Allowances--prospects for the future. Kamin H. **Am J Clin Nutr** 1985 Jan;41(1):165-70

Relationship of maternal nutrition to nutrition of the post-three-month-old infant. Margen S. **Am J Clin Nutr** 1985 Feb;41(2 Suppl):464-76

Evolving scientific bases for the Recommended Dietary Allowances--a critical look at methodologies. Munro HN. **Am J Clin Nutr** 1985 Jan;41(1):149-54

Vitamin requirements in different clinical conditions.

Dickerson JW. **Bibl Nutr Dieta** 1985;(35):44–52 (22 ref.)

Nutrient requirements in various clinical conditions. Wretlind A. **Bibl Nutr Dieta** 1985;(35):31–43 (19 ref.)

Pocket computers: a new aid to nutritional support. Colley CM, et al. **Br Med J [Clin Res]** 1985 May 11; 290(6479):1403–6

Macronutrient requirements in the malnourished cancer patient. How much of what and why? Dempsey DT, et al. **Cancer** 1985 Jan 1;55(1 Suppl):290–4

Nutrition in sports medicine. Vitale JJ. **Clin Orthop** 1985 Sep; (198):158–68

Nutritional needs of the elderly: debate and recommendations. Freedman ML, et al. **Geriatrics** 1985 Aug;40(8):45–9, 53–4, 57–9 passim

Feeding and nutrition in modern life. Bender AE. **Int Z Vitam Ernahrungsforsch [Beih]** 1984;26:69–79

Requirement of zinc in human subjects. Sandstead HH. **J Am Coll Nutr** 1985;4(1):73–82 (66 ref.)

Dietary compliance for pediatric burned patients. Bell SJ, et al. **J Am Diet Assoc** 1984 Nov;84(11):1329–33

Diet needs of patients referred to home health. Gaffney JT, et al. **J Am Diet Assoc** 1985 Feb;85(2):198–202

A nutrition assessment tool that includes diagnosis. Hannaman KN, et al. **J Am Diet Assoc** 1985 May; 85(5):607–8

Effective use of total parenteral nutrition in an ileostomy patient. Iles M. **J Am Diet Assoc** 1984 Nov;84(11):1324–8

Determination of nutritional status in critical care. Jensen TG. **J Am Diet Assoc** 1984 Nov;84(11):1345–8

Calculating parenteral feedings: a programmed instruction. Maillet JO. **J Am Diet Assoc** 1984 Nov;84(11):1312–20, 1323

Dietary self-selection patterns of rats with mild diabetes. Tepper BJ, et al. **J Nutr** 1985 Jun;115(6):699–709

A rational approach to meeting macro- and micronutrient needs in cystic fibrosis. Roy CC, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S154–62

Nutritional requirements. Bender AE. **J R Soc Health** 1985 Feb;105(1):1–4

Dietary assessment of pregnant adolescents participating in a supplemental-food program. Endres JM, et al. **J Reprod Med** 1985 Jan;30(1):10–7

How much energy does a pregnant woman need? **Nutr Rev** 1985 Apr;43(4):110–1 (8 ref.)

Human milk feeding. Anderson GH. **Pediatr Clin North Am** 1985 Apr;32(2):335–53 (71 ref.)

Nutritional needs during the first year of life. Some concepts and perspectives. Beaton GH. **Pediatr Clin North Am** 1985 Apr;32(2):275–88 (18 ref.)

Total parenteral nutrition in children. Zlotkin SH, et al. **Pediatr Clin North Am** 1985 Apr;32(2):381–400 (90 ref.)

American Academy of Pediatrics Committee on Nutrition: Nutritional needs of low-birth-weight infants. **Pediatrics** 1985 May;75(5):976–86 (93 ref.)

[The diabetic diet: no different from nutrition for healthy persons] Heine RJ, et al. **Ned Tijdschr Geneeskd** 1984 Aug 11;128(32):1524–8 **(Dut)**

[How much human milk does a premature infant need?] Verheul FE, et al. **Ned Tijdschr Geneeskd** 1984 Nov 10; 128(45):2113–4 **(Dut)**

[Vitamin C deficiency in patients in a nursing home] Berkhout AM, et al. **Tijdschr Gerontol Geriatr** 1985 Feb;16(1):3–7 (Eng. Abstr.) **(Dut)**

[Protein requirements of young infants. The effect of protein content in food on growth, protein intake and protein utilization] Olling CC, et al. **Tijdschr Kindergeneeskd** 1985 Feb;53(1):11–20 (Eng. Abstr.) **(Dut)**

[Nutrition and prostaglandins] Koivistoinen P, et al. **Duodecim** 1984;100(16):987–95 **(Fin)**

[Vitamin status: study of a group of French adults] Lemoine A, et al. **Bull Acad Natl Med (Paris)** 1984 May–Jun; 168(5–6):522–30 (Eng. Abstr.) **(Fre)**

[Epidemiologic research activities on the vitamin status of the French] Raoul Y. **Bull Acad Natl Med (Paris)** 1984 May–Jun;168(5–6):520–1 **(Fre)**

[Postoperative risk in major digestive surgery. Value of a prognostic nutritional index based upon 114 operations] Pelissier G, et al. **Chirurgie** 1984;110(6–7):615–20 (Eng. Abstr.) **(Fre)**

[Pregnancy and nutrition] Schneider H. **Geburtshilfe Frauenheilkd** 1985 Mar;45(3):135–9 (Eng. Abstr.) **(Ger)**

[Criteria for the evaluation of the nutritional status of children] Mata L. **GEN** 1983 Jan–Jun;37(1–2):107–23 **(Spa)**

[Requirements in parenteral nutrition. Design and preparation of the diets] Giraldez J, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):37–43 **(Spa)**

NUTRITIVE VALUE

Effects of information about specific nutrient content on ratings of 'goodness' and 'pleasantness' of common foods. Eiser JR, et al. **Appetite** 1984 Dec;5(4):349–59

Food consumption and quality of diets of Kansas elementary students. Newell GK, et al. **J Am Diet Assoc** 1985 Aug; 85(8):939–45

Food composition tables: recommended method for deriving nutrient values in their preparation. Polacchi W. **J Am Diet Assoc** 1985 Sep;85(9):1134–6

Energy and nutrient values from different computerized data bases. Taylor ML, et al. **J Am Diet Assoc** 1985 Sep; 85(9):1136–8

Nutritive value of some common Egyptian meals. Bassily NS, et al. **Nahrung** 1985;29(1):3–10

Determining snacking patterns and snack nutrient quality. **Nutr Rev** 1984 Aug;42(8):274–6

[Handling of food without change of quality––dream or reality?] **Bibl Nutr Dieta** 1985;(34):1–109 **(Ger)**

[Theoretical evaluation of the nutritive value of daily diets in boarding schools based on the results of laboratory analysis. IV. Group B vitamins] Nadolna I, et al. **Rocz Panstw Zakl Hig** 1984;35(2):107–12 (Eng. Abstr.) **(Pol)**

[Laboratory evaluation of the nutritive value of average daily food rations of selected population groups in Poland. I. Value of energy, proteins and fats] Trzebska-Jeske I, et al. **Rocz Panstw Zakl Hig** 1984;35(6):543–9 (Eng. Abstr.) **(Pol)**

[Nutritional evaluation of flour from shrimp heads. By-product residue] Arosemena G. **Rev Med Panama** 1985 Jan;10(1):48–55 (Eng. Abstr.) **(Spa)**

NUTS

ADVERSE EFFECTS

Dermatitis from cashew nuts [letter] Behl PN. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):117

ANALYSIS

Elemental analysis of hazelnut kernels and shells by spark source mass spectrometry. Ozdemir M. **Z Lebensm Unters Forsch** 1985 Apr;180(4):289–92

[PH3 residues in hazelnuts, soybeans and wheat following phosphine fumigation with non-constant concentrations] Noack S, et al. **Z Lebensm Unters Forsch** 1985 Feb; 180(2):101–8 (Eng. Abstr.) **(Ger)**

TOXICITY

Allergic contact dermatitis to cashew nut. Bedello PG, et al. **Contact Dermatitis** 1985 Apr;12(4):235

NUX VOMICA see **STRYCHNINE**

NYCTALOPIA

DIAGNOSIS

An 11-cent test for low-illumination visual dysfunction (nyctalopia) [letter] Lederman ME. **Am J Ophthalmol** 1985 Jun 15;99(6):733

Objective determination of dark adaptation: accuracy of the evoked potential method. Airas K, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(2):63–5

[Measurements of the visual performance of visitors to the Ideal Home Exhibition using a new prototype] Bousquet A, et al. **Soz Praventivmed** 1984;29(4–5):192–3 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Night blindness after jejunoileal bypass surgery. Parker WT, et al. **Am J Gastroenterol** 1985 Jul;80(7):535–7

Pars planitis and rod-cone dystrophy. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1983;207:85–91

METABOLISM

Visual function and vitamin A/zinc nutriture in patients with complaints of night blindness. Hinck M, et al. **J Am Optom Assoc** 1984 Aug;55(8):567–71

PHYSIOPATHOLOGY

Vestibular and auditory function in Usher's syndrome. Kumar A, et al. **Ann Otol Rhinol Laryngol** 1984 Nov–Dec; 93(6 Pt 1):600–8

Paradoxic pupillary constriction in a patient with congenital stationary night blindness. Myers GA, et al. **Invest Ophthalmol Vis Sci** 1985 May;26(5):736–40

PREVENTION & CONTROL

Nightblindness and vitamin A deficiency in children attending a diarrheal disease hospital in Bangladesh. Stoll BJ, et al. **J Trop Pediatr** 1985 Feb;31(1):36–9

REHABILITATION

Visual acuity with the ITT Night Vision Aid for patients with night blindness. Hoover KL. **Am J Optom Physiol Opt** 1983 Sep;60(9):762–8

NYCTOTHERUS see under **CILIATA**

NYLIDRIN

ADVERSE EFFECTS

Buphenine sensitivity. Alomar A. **Contact Dermatitis** 1984 Nov;11(5):315

THERAPEUTIC USE

[Pulmonary edema under tocolytic therapy] Schreiber E, et al. **Zentralbl Gynakol** 1985;107(11):693–6 (Eng. Abstr.) **(Ger)**

NYLONS

Activated polyamide tubes for radioimmunoassay [letter] Outch K, et al. **Clin Chem** 1984 Nov;30(11):1882

Unusual pigmentation on the skin over trunk bones and extremities. Tanigaki T, et al. **Dermatologica** 1985; 170(5):235–9

Polymer resins with amino acid containing pendants for sorption of bilirubin. I. Comparison of Merrifield and polyamide resins. Henning DS, et al. **Int J Artif Organs** 1984 Jul;7(4):209–14

Relative effectiveness of 'nytal' and cotton as cyclops sieving device in guineaworm affected hamlets in Rajasthan. Kaul SM, et al. **J Commun Dis** 1984 Jun;16(2):154–6

[Use of Bulgarian antibacterial polyamide mesh and antibacterial sutures in our own practice] Arsov T, et al. **Khirurgiia (Sofiia)** 1985;38(2):45–6 **(Bul)**

[Friction melanosis] Hidano A, et al. **Ann Dermatol Venereol** 1984;111(12):1063–71 (Eng. Abstr.) **(Fre)**

[Degradation of a nylon polyamide fabric by Fusarium sp.] Baggi G, et al. **Ann Ist Super Sanita** 1983;19(2–3):413–6 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

[Tissue reaction to nylon monofilament in the microsurgery of the fallopian tubes in the rabbit] Ussia G, et al. **Minerva Ginecol** 1984 Dec;36(12):839–41 (Eng. Abstr.) **(Ita)**

ANALYSIS

Separation and characterization of macrophage precursors and of interleukin 2-responding cells from nylon wool-nonadherent murine spleen cells by using Bauhinia purpurea agglutinin. Yamaguchi N, et al. **Int Arch Allergy Appl Immunol** 1984;75(4):309–16

[Detection of adjuvant substances in polyamides] Sobkowicz K, et al. **Rocz Panstw Zakl Hig** 1984;35(5):447–9 (Eng. Abstr.) **(Pol)**

TOXICITY

[Iron-containing blood proteins in poisoning by polyamide compounds] Zolotov PA, et al. **Vopr Med Khim** 1985 May–Jun;31(3):45–8 (Eng. Abstr.) **(Rus)**

NYMPH see under **INSECTS**

NYSTAGMUS

see related
ELECTRONYSTAGMOGRAPHY

CHEMICALLY INDUCED

Downbeat nystagmus as a side effect of lithium carbonate: case report. Gracia F, et al. **J Clin Psychiatry** 1985 Jul; 46(7):292–3

CLASSIFICATION

[Classification of vestibular nystagmus] Pal'chun VT, et al. **Vestn Otorinolaringol** 1984 Sep–Oct;(5):14–7 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Cortical blindness following ictal nystagmus. Ramani V. **Arch Neurol** 1985 Feb;42(2):191–2

Paroxysmal tinnitus and nystagmus accompanied by facial spasm. Isu T, et al. **Surg Neurol** 1985 Feb;23(2):183–6

[The so-called one-and-a-half syndrome. Significance of horizontal ocular movement disorders in the diagnosis of pontine processes] Révész T, et al. **Orv Hetil** 1985 Aug 25;126(34):2083–4, 2087–90 (Eng. Abstr.) **(Hun)**

[A case of Arnold-Chiari malformation with macrosquare wave jerks] Fukuda Y, et al. **Rinsho Shinkeigaku** 1984 Oct; 24(10):1035–8 (Eng. Abstr.) **(Jpn)**

CONGENITAL

The influence of preexisting oscillations on the binocular optokinetic response. Abadi RV, et al. **Ann Neurol** 1985 Jun;17(6):578–86

Assessment of vestibulo-ocular reflexes in congenital nystagmus. Gresty MA, et al. **Ann Neurol** 1985 Feb; 17(2):129–36

Congenital nystagmus. Kommerell G. **Bull Soc Belge Ophtalmol** 1983;207:5–14

Acoustic brainstem electrical responses in congenital nystagmus. Davis AE, et al. **J Laryngol Otol** 1985 Feb; 99(2):147–50

The differential diagnosis of congenital nystagmus. Gresty M, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep; 47(9):936–42

Congenital seesaw nystagmus. Zelt RP, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jan–Feb;22(1):13–6

Head and eye movements in congenital nystagmus. Furman JM, et al. **Otolaryngol Head Neck Surg** 1984 Dec; 92(6):656–61

[Can anything be done for congenital nystagmus?] Hugonnier S, et al. **Bull Soc Ophtalmol Fr** 1984 Feb;84(2):175–8 **(Fre)**

[Treatment of congenital nystagmus by Cüppers' 4-thread operation] Verin P, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul;84(6-7):833-4, 837 **(Fre)**

[An analysis of congenital nystagmus: velocity characteristics of slow phase component of optokinetic nystagmus (OKN)] Kawai K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jul; 88(7):1054-8 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Monocular nystagmus in infancy and early childhood. Farmer J, et al. **Am J Ophthalmol** 1984 Oct 15;98(4):504-9

Optokinetic nystagmus tape. Johnson L, et al. **Am J Ophthalmol** 1984 Nov;98(5):640

Albinotic characteristics in congenital nystagmus [letter] van Dorp DB. **Am J Ophthalmol** 1984 Nov;98(5):650-1

Vertical ocular dysmetria--vertical rebound nystagmus and optokinetic vertical ocular dysmetria. Ohtsu K. **Auris Nasus Larynx** 1984;11(2):91-100

Spasmus nutans as a presenting sign of diencephalic syndrome [letter] Garty BZ, et al. **J Pediatr** 1985 Sep;107(3):484

[Electronystagmographic diagnosis of fixation nystagmus] Mrázek J, et al. **Cesk Otolaryngol** 1984 Jun;33(3):173-8 (Eng. Abstr.) **(Cze)**

[Effect of staged monocular masking on the intensity of nystagmus in latent nystagmus] Esser J, et al. **Fortschr Ophthalmol** 1985;82(3):303-5 (Eng. Abstr.) **(Ger)**

[Transient, direction changing spontaneous and provocation nystagmus in the course of visceral lupus erythematosus] Minnigerode B, et al. **Klin Wochenschr** 1985 Mar 1; 63(5):230-2 (Eng. Abstr.) **(Ger)**

[Limits and possibilities of electronystagmography] Pfaltz CR. **Laryngol Rhinol Otol (Stuttg)** 1984 Oct;63(10):511-6 (Eng. Abstr.) **(Ger)**

[Right-left differences in nystagmus direction. Observations in congenital and acquired ophthalmoneurologic syndromes] Piper HF. **Ophthalmologica** 1984; 189(4):195-210 (Eng. Abstr.) **(Ger)**

[Multiple sclerosis and electronystagmography] Haas R. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):34-5 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

A case of periodic alternating nystagmus: with a special reference to the efficacy of baclofen treatment. Isago H, et al. **Auris Nasus Larynx** 1985;12(1):15-21

ETIOLOGY

Downbeat nystagmus with alcoholic cerebellar degeneration. Zasorin NL, et al. **Arch Neurol** 1984 Dec;41(12):1301-2

Opsomyoclonus and neuroblastoma. Warrier RP, et al. **Clin Pediatr (Phila)** 1985 Jan;24(1):32-4

Epileptic nystagmus. Beun AM, et al. **Epilepsia** 1984 Oct; 25(5):609-14

Cervical nystagmus due to loss of cerebellar inhibition on the cervico-ocular reflex: a case report. Bronstein AM, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):128-31

Nutritional nystagmus in infants. Zak TA, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jul-Aug;22(4):140-2

Epileptic gaze deviation and nystagmus. Thurston SE, et al. **Neurology** 1985 Oct;35(10):1518-21

Positional nystagmus. Barber HO. **Otolaryngol Head Neck Surg** 1984 Dec;92(6):649-55

[Ocular flutter: really a cerebellar sign?] Larmande P, et al. **Rev Neurol (Paris)** 1984;140(11):647-51 (Eng. Abstr.) **(Fre)**

[Encephalitis with opsoclonia and circumduction nystagmus. Apropos of a case] Poullot B, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):335-46 (Eng. Abstr.) **(Fre)**

[Evidence for the validity of an extended theory of Bárány] Grohmann R. **Laryngol Rhinol Otol (Stuttg)** 1985 Jun; 64(6):304-5 (Eng. Abstr.) **(Ger)**

[Downbeat nystagmus during eye closure] Kitamura K, et al. **No To Shinkei** 1984 Dec;36(12):1223-8 (Eng. Abstr.) **(Jpn)**

[A case of macro square wave jerks due to cerebellar hemorrhage] Neshige R, et al. **Rinsho Shinkeigaku** 1984 Sep;24(9):912-5 (Eng. Abstr.) **(Jpn)**

[Postural nystagmus and other otoneurologic symptoms in temporary cerebrovascular disorders] Tanchev KS. **Vestn Otorinolaringol** 1985 Mar-Apr;(2):25-8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Karsch-Neugebauer syndrome: split foot/split hand and congenital nystagmus. Pilarski RT, et al. **Clin Genet** 1985 Jan;27(1):97-101

PATHOLOGY

[Importance of the general radiograph of the cervical spine in vertigo and pathologic proprioceptive cervical nystagmus] Mayer B, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Jun;64(6):300-3 (Eng. Abstr.) **(Ger)**

[Combined nodular degeneration of the corneas, optic atrophy and horizontal nystagmus with decreased intellect and changes in the bone system] Novitskii IIa. **Oftalmol Zh** 1984;(3):185-6 **(Rus)**

PHYSIOPATHOLOGY

Vertical vestibulo-ocular reflex in patients with benign paroxysmal positional nystagmus. Baloh RW, et al. **Am J Otolaryngol** 1985 Mar-Apr;6(2):75-8

Alexander's law: its behavior and origin in the human vestibulo-ocular reflex. Robinson DA, et al. **Ann Neurol** 1984 Dec;16(6):714-22

Postural disturbance in patients with benign paroxysmal positional nystagmus. Black FO, et al. **Ann Otol Rhinol Laryngol** 1984 Nov-Dec;93(6 Pt 1):595-9

Primary position upbeat nystagmus. Localizing value. Kato I, et al. **Arch Neurol** 1985 Aug;42(8):819-21

Pretectal pseudobobbing. Five patients with 'V'-pattern convergence nystagmus. Keane JR. **Arch Neurol** 1985 Jun; 42(6):592-4

Optokinetic nystagmus and upper extremity dressing independence after stroke. Dudgeon BJ, et al. **Arch Phys Med Rehabil** 1985 Mar;66(3):164-7

Dissociated vertical deviation: evidence of abnormal visual pathway projection. Fitzgerald BA, et al. **Br J Ophthalmol** 1984 Nov;68(11):801-6

The oculomotor behaviour of human albinos. Collewijn H, et al. **Brain** 1985 Mar;108 (Pt 1):1-28

Head shaking and vestibulo-ocular reflex in congenital nystagmus. Carl JR, et al. **Invest Ophthalmol Vis Sci** 1985 Aug;26(8):1043-50

Monocular downbeat nystagmus. Bogousslavsky J, et al. **J Neurol** 1985;232(2):99-101

Habitual head turning in spasmus nutans: an oculographic study. Chrousos GA, et al. **J Pediatr Ophthalmol Strabismus** 1985 May-Jun; 22(3):113-6

[Pathologic nystagmus and related phenomena. A review] Biedert S, et al. **Nervenarzt** 1985 Jun;56(6):281-6 (Eng. Abstr.) **(Ger)**

[A case of primary position upbeat nystagmus] Tomimoto H, et al. **Rinsho Shinkeigaku** 1984 May;24(5):447-52 (Eng. Abstr.) **(Jpn)**

SURGERY

Surgical management for abnormal head position in nystagmus: the augmented modified Kestenbaum procedure. Nelson LB, et al. **Br J Ophthalmol** 1984 Nov; 68(11):796-800

Modification of the Kestenbaum operation for correction of nystagmic torticollis and improvement of visual acuity with the use of convergence. Economopoulos NK, et al. **Ophthalmic Surg** 1985 May;16(5):309-14

[X-ray computed tomographic demonstration of the effects of tendon lengthening by the Focosi method] Boschi MC, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:83-8 **(Fre)**

[Our experience with surgical treatment of idiopathic congenital nystagmus in 130 surgical cases from 1973 to 1983] Magnard P, et al. **Bull Mem Soc Fr Ophtalmol** 1985; 96:367-72 **(Fre)**

[Use of 'Occelon', a new Soviet-made synthetic, soluble suture material in the surgical treatment of strabismus and nystagmus in children] Cherednichenko VM, et al. **Oftalmol Zh** 1985;(2):86-7 (Eng. Abstr.) **(Rus)**

[Surgical treatment of congenital paralytic and pseudoparalytic strabismus and nystagmus in children] Seniakina AS, et al. **Oftalmol Zh** 1985;(2):65-70 (Eng. Abstr.) **(Rus)**

THERAPY

[Our experience with the diagnosis and treatment of nystagmus in children] Pospelov VI, et al. **Oftalmol Zh** 1985;(2):82-6 (Eng. Abstr.) **(Rus)**

NYSTAGMUS, PHYSIOLOGIC

see related
ELECTRONYSTAGMOGRAPHY

Optokinetic horizontal head nystagmus in the frog after regeneration of transected retinal fibres. Lázár G, et al. **Acta Biol Hung** 1983;34(4):371-83

Re-investigation of the role of the accessory optic system and pretectum in the horizontal optokinetic head nystagmus of the frog. Lesion experiments. Lázár G, et al. **Acta Biol Hung** 1983;34(4):385-93

Physiological abnormalities in experimental allergic encephalomyelitis (EAE): II. Correlation between clinical signs and vestibular hyperreactivity and other signs of brain-stem dysfunction in rats with EAE. Brinkman CJ, et al. **Acta Neurol Scand** 1984 Sep;70(3):155-9

Neurological evidence for dissociation of pursuit and optokinetic systems. Barratt H, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):89-97

Development of postrotatory nystagmus time constants. Clark DL, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct; 98(3-4):287-91

Human optokinetic afternystagmus. Effects of repeated stimulation. Jell RM, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):95-101

Human optokinetic afternystagmus. Slow-phase characteristics and analysis of the decay of slow-phase velocity. Jell RM, et al. **Acta Otolaryngol (Stockh)** 1984 Nov-Dec;98(5-6):462-71

An objective testing method to determine driving ability. Moser M. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr; 99(3-4):326-9

Caloric vestibular test in the weightless phase of parabolic flight. Oosterveld WJ, et al. **Acta Otolaryngol (Stockh)** 1985 May-Jun;99(5-6):571-6

Intrabeat relationship of postrotatory nystagmus in patients with neurological disorders. Pyykkö I, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):113-21

Intrabeat relationship of postrotatory nystagmus in normal subjects. Pyykkö I, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):74-82

Clinical evaluation of dysrhythmia of postrotatory nystagmus. Pyykkö I, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):279-86

The effect of lateral head tilt on horizontal postrotatory nystagmus I and II and the Purkinje effect. Schrader V, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug; 100(1-2):98-105

Modulation of the visuo-ocular reflex by the vestibulo-ocular reflex in peripheral vision. Tamada A, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):112-6

Effects of age, sex and stimulus parameters upon vestibulo-ocular responses to sinusoidal rotation. Wall C 3d, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct; 98(3-4):270-8

Role of the central and peripheral retina upon optokinetic nystagmus. Foveal and peripheral nystagmus. Miyoshi T. **Acta Otolaryngol [Suppl] (Stockh)** 1984;419:53-61

Positional and optokinetic nystagmus in healthy old people. Lynch SJ, et al. **Age Ageing** 1985 Mar;14(2):122-4

Computer simulation of fixation suppression of vestibular nystagmus in normal persons. Davidson SA, et al. **Am J Otolaryngol** 1984 Jan-Feb;5(1):27-33

Vestibulo-ocular reflexes in peripheral labyrinthine lesions: II. Caloric testing. Honrubia V, et al. **Am J Otolaryngol** 1984 Mar-Apr;5(2):93-8

COWS caloric test [letter] Webb C. **Ann Emerg Med** 1985 Sep;14(9):938

The influence of preexisting oscillations on the binocular optokinetic response. Abadi RV, et al. **Ann Neurol** 1985 Jun;17(6):578-86

Alexander's law: its behavior and origin in the human vestibulo-ocular reflex. Robinson DA, et al. **Ann Neurol** 1984 Dec;16(6):714-22

A new theory for thermal influences on endolymphatic flow. Harada Y, et al. **Arch Otorhinolaryngol** 1985;242(1):13-7

Effects of asymmetric vertebral blood flow upon the vestibulo-ocular reflex of the rabbit. Yamamoto K, et al. **Arch Otorhinolaryngol** 1985;241(2):195-202

Orientational asymmetries in small-field optokinetic nystagmus in human infants. Hainline L, et al. **Behav Brain Res** 1984 Sep;13(3):217-30

Cortical control of oculomotor functions. I. Optokinetic nystagmus. Ventre J. **Behav Brain Res** 1985 May; 15(3):211-26

New experimental data on cat's optokinetic responses. Is there need to revise previous models of the optokinetic reflex? Buizza A, et al. **Biol Cybern** 1985;51(5):301-4

The oculomotor behaviour of human albinos. Collewijn H, et al. **Brain** 1985 Mar;108 (Pt 1):1-28

Quantitative analysis of salamander horizontal head nystagmus. Kopp J, et al. **Brain Behav Evol** 1984; 25(4):187-96

A 'physiological' model for the salamander horizontal optokinetic reflex. Manteuffel G. **Brain Behav Evol** 1984; 25(4):197-205

Vestibulo-ocular reflexes after selective plugging of the semicircular canals in the monkey--response plane determinations. Böhmer A, et al. **Brain Res** 1985 Feb 11; 326(2):291-8

Computerized study of the velocity of the rapid eye movements. Gavilán C, et al. **Clin Otolaryngol** 1984 Jun; 9(3):191-4

Objective estimation of visual acuity by means of optokinetic nystagmus. Makabe R. **Dev Ophthalmol** 1984;9:130-2

Nystagmus blockage syndrome in the unilaterally blind patient. Reinecke RD. **Doc Ophthalmol** 1984 Aug 15; 58(1):125-30

The influence of age on optokinetic nystagmus. Simons B, et al. **Eur Arch Psychiatry Neurol Sci** 1985;234(6):369-73

The interaction of conflicting retinal motion stimuli in oculomotor control. Barnes GR, et al. **Exp Brain Res** 1985; 59(3):548-58

Human ocular counterroll: assessment of static and dynamic properties from electromagnetic scleral coil recordings. Collewijn H, et al. **Exp Brain Res** 1985;59(1):185-96

Effects of neonatal and late unilateral enucleation on optokinetic responses and optic nerve projections in the rabbit. Collewijn H, et al. **Exp Brain Res** 1984;57(1):138-50

The influence of interstimulus interval on the development of vestibular habituation to repeated velocity steps. Courjon JH, et al. **Exp Brain Res** 1985;59(1):10-5

Single cell activity in area 18 of the cat's visual cortex during optokinetic nystagmus. Hoffmann KP, et al. **Exp Brain Res** 1984;57(1):118-27

Post-suppression vestibulo-ocular reflex in man: visual and non-visual mechanisms. Segal BN. **Exp Brain Res** 1985; 59(3):524-32

Effects of pontine reticular formation lesions on optokinetic head nystagmus in rats. Sirkin DW, et al. **Exp Brain Res** 1985;58(3):503-9

The effect of labyrinthectomy on flash-induced nystagmus (FIN). Verhagen WI, et al. **Int J Neurosci** 1985 Apr; 26(1-2):67-73

Flash induced nystagmus (FIN) in the rabbit: input–output relations. Verhagen WI, et al. **Int J Neurosci** 1984 Oct; 24(2):97–105

Saccades and small–field optokinetic nystagmus in infants. Hainline L, et al. **J Am Optom Assoc** 1985 Aug;56(8):620–6

Effects of unilateral lesions of the flocculus on optokinetic and vestibuloocular reflexes of the rabbit. Barmack NH, et al. **J Neurophysiol** 1985 Feb;53(2):481–96

Directional asymmetries of optokinetic nystagmus: developmental changes and relation to the accessory optic system and to the vestibular system. Wallman J, et al. **J Neurosci** 1985 Feb;5(2):317–29

Differences in direction specificity of receptive fields in upper and lower layers of the cat's prestriate area 18. Bauer R, et al. **Neurosci Lett** 1985 Feb 28;54(1):59–63

Analysis of signal content of Purkinje cell responses to optokinetic stimuli in the rabbit cerebellar flocculus by selective lesions of brainstem pathways. Miyashita Y, et al. **Neurosci Res** 1984 Aug;1(4):223–41

Horizontal optokinetic ocular nystagmus in the pigmented rat. Hess BJ, et al. **Neuroscience** 1985 May;15(1):97–107

Comparison of the adaptation time constants of the vestibulo–ocular reflex and of the sensation of rotation during sinusoidal stimulation. Rodenburg M, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(3):158–66

Dynamic modification of the vestibulo–ocular reflex by the nodulus and uvula. Waespe W, et al. **Science** 1985 Apr 12;228(4696):199–202

The efficiency of the central and peripheral retina in driving human optokinetic nystagmus. Howard IP, et al. **Vision Res** 1984;24(9):969–76

Optokinetic and vection responses to apparent motion in man. Schor CM, et al. **Vision Res** 1984;24(10):1181–7

[Eye movements induced by the parallel–swing method in rabbits] Cox A, et al. **Acta Otorhinolaryngol Belg** 1984; 38(5):513–22 (Eng. Abstr.) **(Dut)**

[Incongruity of evoked nystagmus in electronystagmography] Gabersek V. **Rev Chir [Otorinolaringol]** 1984 Jul–Sep;29(3):173–84 **(Fre)**

[A simple measuring device for nystagmus amplitude. A contribution to rapid, exact and inexpensive evaluation of electronystagmograms] Scherer H, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Oct;63(10):521–3 (Eng. Abstr.) **(Ger)**

[Optokinetic nystagmus (OKN) and optokinetic after nystagmus (OKAN) in man after prolonged optokinetic stimulation. Statistical studies] Taborelli G, et al. **Acta Otorhinolaryngol Ital** 1984 Sep–Oct;4(5):513–25 (Eng. Abstr.) **(Ita)**

[An analysis of congenital nystagmus: velocity characteristics of slow phase component of optokinetic nystagmus (OKN)] Kawai K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jul; 88(7):1054–8 (Eng. Abstr.) **(Jpn)**

[Caloric tests in nystagmus induced in the simple optimal position and reversed optimal position] Lukomski M. **Otolaryngol Pol** 1985;39(2):146–52 (Eng. Abstr.) **(Pol)**

[Human susceptibility to motion sickness in combined vestibular and optokinetic stimulation with a reduced field of vision] Lapaev EV, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jul–Aug;(4):496–500 (Eng. Abstr.) **(Rus)**

[Effect of experimental motion sickness on postrotatory nystagmus and the illusion of counterrotation] Aizikov GS, et al. **Kosm Biol Aviakosm Med** 1985 Mar–Apr;19(2):89–91 **(Rus)**

[Effect of the limbic–reticular complex on various vestibular reactions in rabbits] Koriukin VE, et al. **Kosm Biol Aviakosm Med** 1984 Sep–Oct;18(5):88–90 **(Rus)**

[Automated analysis of vestibular nystagmus] Telezhnikov AV, et al. **Med Tekh** 1984 Nov–Dec;(6):11–4 (Eng. Abstr.) **(Rus)**

[Cervical nystagmus in normal subjects] Almagro JL, et al. **An Otorrinolaringol Ibero Am** 1985;12(2):135–46 (Eng. Abstr.) **(Spa)**

[Vestibular thermal response. Study of the correlations between various nystagmic parameters] Gavilán C, et al. **An Otorrinolaringol Ibero Am** 1985;12(1):19–29 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Transdermally administered scopolamine vs. dimenhydrinate. II. Effect on different types of nystagmus. Pyykkö I, et al. **Acta Otolaryngol (Stockh)** 1985 May–Jun; 99(5–6):597–604

The effects of TTS–scopolamine, dimenhydrinate, lidocaine, and tocainide on motion sickness, vertigo, and nystagmus. Pyykkö I, et al. **Aviat Space Environ Med** 1985 Aug; 56(8):777–82

NYSTATIN

ADVERSE EFFECTS

Combined allergy to tolnaftate and nystatin. Lang E, et al. **Contact Dermatitis** 1985 Mar;12(3):182

ANALYSIS

A new method of estimation of nystatin by ferric chloride–sulfuric acid reagent. Raychowdhury MK, et al. **Indian J Exp Biol** 1984 Aug;22(8):447–8

Raman spectra of nystatin. Influence of impurities. Colline A, et al. **J Antibiot (Tokyo)** 1985 Feb;38(2):181–5

ANTAGONISTS & INHIBITORS

[Characteristics of the range of mutations in nystatin resistance induced in yeasts by 6–N–hydroxylaminopurine] Mikhailova NP, et al. **Genetika (Moskva)** 1984 Dec; 20(12):2075–7 (Eng. Abstr.) **(Rus)**

[Composition of neutral lipids, phospholipids and their fatty acids in mutant Candida tropicalis D–2 resistant to nystatin] Danilenko II. **Izv Akad Nauk SSSR [Biol]** 1984 Jul–Aug; (4):587–93 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Self–induced nystatin resistance in Dictyostelium discoideum. Kasbekar DP, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):974–6

Studies on the action of nystatin on cultured rat myocardial cells and cell membranes, isolated rat hearts, and intact rats. Aszalos A, et al. **Biochem Pharmacol** 1984 Dec 1; 33(23):3779–86

The kinetics of colloid osmotic hemolysis. I. Nystatin–induced lysis. Pooler JP. **Biochim Biophys Acta** 1985 Jan 10;812(1):193–8

Induction of prostanoid synthesis in human platelets by the late complement components C5b–9 and channel forming antibiotic nystatin: inhibition of the reacylation of liberated arachidonic acid. Hänsch GM, et al. **J Immunol** 1985 Aug; 135(2):1320–4

Single–length and double–length channels formed by nystatin in lipid bilayer membranes. Kleinberg ME, et al. **J Membr Biol** 1984;80(3):257–69

Effect of phospholipid enrichment on nystatin action: differences in antibiotic sensitivity between in vivo and in vitro conditions. Rao TV, et al. **Microbios** 1985; 42(169–170):145–53

Prolonged granulocytopenia due to selective antimicrobial modulation of the intestinal flora: bias or biology? Guiot HF, et al. **Prog Clin Biol Res** 1985;181:267–70

[Concentration–contact time relationship in the effect of antimycotic drug combinations (clotrimazole, nystatin, 5–fluorocytosine) and the effect of increasing and decreasing antimycotic drug concentrations on Candida albicans] Rumler W, et al. **Mykosen** 1985 May;28(5):251–7 (Eng. Abstr.) **(Ger)**

[Sensitivity of Candida strains to selected antifungal antibiotics] Jurek M, et al. **Pol Tyg Lek** 1984 Sep 17; 39(38):1269–71 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Oral nystatin [letter] Crook WG. **Ear Nose Throat J** 1985 Mar;64(3):155

Candidal infection of benign gastric ulcer [letter] Neeman A, et al. **Gastroenterology** 1984 Dec;87(6):1406–7

Evaluation of nystatin in prevention and elimination of oropharyngeal Candida in immunosuppressed patients. Barrett AP. **Oral Surg Oral Med Oral Pathol** 1984 Aug; 58(2):148–51

[Effect of antimycotic therapy of denture stomatitis on the bacterial flora of the oral cavity] Spiechowicz E, et al. **Zahn Mund Kieferheilkd** 1984;72(7):668–72 (Eng. Abstr.) **(Ger)**

[Comparative activity of clotrimazole and nifuratel plus nystatin in vaginal infections of various etiologies] Nencioni T, et al. **Minerva Ginecol** 1984 Jul–Aug;36(7–8):465–9 (Eng. Abstr.) **(Ita)**

[Sensitivity of Candida strains to polyenic antibiotics in the treatment of oral candidiasis] Boïko GI, et al. **Antibiotiki** 1984 Nov;29(11):869–72 (Eng. Abstr.) **(Rus)**

OATS see **CEREALS**

OBESE MICE see **MICE, OBESE**

OBESITY

see related

APPETITE DEPRESSANTS
DIET, REDUCING
SKINFOLD THICKNESS

Aminoglycoside dosing in obese puerperal women. Gibbs RS, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):89–90

The accuracy of estimation of the body density in obese men. Watanuki S, et al. **Ann Physiol Anthropol** 1984 Apr; 3(2):139–41

Spurious hypertension and obesity [letter] Moore MJ. **Arch Intern Med** 1985 May;145(5):956

Obesity and heart disease. Arik TH, et al. **Ariz Med** 1985 Jan;42(1):12–3 (4 ref.)

Obesity. **Clin Endocrinol Metab** 1984 Nov;13(3):435–663

Total body water determinations with HTO on obese patients [letter] Eberstadt PL, et al. **Int J Nucl Med Biol** 1984; 11(2):205

Anthropometric methods: new and old, what they tell us. Roche AF. **Int J Obes** 1984;8(5):509–23 (90 ref.)

Health implications of obesity: an NIH Consensus Development Conference. Burton BT, et al. **J Am Diet Assoc** 1985 Sep;85(9):1117–21

Surgery in the obese patient. Review of complications secondary to obesity. Key JC, et al. **J Okla State Med Assoc** 1984 Oct;77(10):345–7

The obese child. Wong HB. **J Singapore Paediatr Soc** 1984; 26(3–4):121–7

Hypnoanesthesia in the morbidly obese. Morris DM, et al. **JAMA** 1985 Jun 14;253(22):3292–4

International symposia on nutrition and obesity: the state of the science. **Med J Aust** 1985 Apr 1;142(7 Suppl):S1–32

Obesity: definition, diagnosis and disadvantages. Bray GA. **Med J Aust** 1985 Apr 1;142(7 Suppl):S2–8 (30 ref.)

Infants of obese mothers are prone to hypoglycemia. **Nutr Rev** 1984 Oct;42(10):345–7

The smoking and dietary behaviour of Lambeth schoolchildren II. The relationship between knowledge, attitudes and behaviour. Morris RW, et al. **Public Health** 1984 Jul;98(4):225–32

Obesity declared a disease [news] Kolata G. **Science** 1985 Mar 1;227(4690):1019–20

[Obesity in childhood] Hövels O, et al. **Acta Paediatr Hung** 1984;25(1–2):81–110 **(Ger)**

[Eating habits and obesity in Israel adolescents] Epstein L, et al. **Harefuah** 1984 Oct;107(7–8):204–6 (Eng. Abstr.) **(Heb)**

[Nosologic situation and therapeutic treatment of morbid obesity] Klinger R. **Minerva Chir** 1984 Oct 15; 39(19):1279–81 **(Ita)**

BLOOD

Neurotensin–like immunoreactivity in plasma after fat intake in normal and obese subjects and after jejunoileal bypass. Wiklund B, et al. **Acta Chir Scand** 1985;151(4):361–5

Nightly amended IRI/BG ratio in fasting test during sleeping periods in subjects with insulinoma and in normal, diabetic and obese subjects. Villaume C, et al. **Acta Diabetol Lat** 1984 Oct–Dec;21(4):325–32

Serum lipids and glucose in obese persons. Ristić V, et al. **Acta Med Iugosl** 1984;38(4):247–53

The effect of acute and chronic exercise on thyroid hormones in obesity. Krotkiewski M, et al. **Acta Med Scand** 1984; 216(3):269–75

The effect of unprocessed wheat bran on blood glucose and plasma immunoreactive insulin levels during oral glucose tolerance test in obese children. Molnár D, et al. **Acta Paediatr Hung** 1985;26(1):75–7

Decreased serum reverse triiodothyronine levels with major weight loss in obese women. Hramiak IM, et al. **Am J Obstet Gynecol** 1985 Jan 15;151(2):264–7

Altered plasma insulin and glucose after obesity–producing bipiperidyl brain lesions. Berthoud HR, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R46–53

Obesity and erythrocyte sedimentation rates [letter] Pasulka PS, et al. **Ann Intern Med** 1985 Aug;103(2):304

Plasma immunoreactive beta–endorphin response to glucose ingestion in human obesity. Getto CJ, et al. **Appetite** 1984 Dec;5(4):329–35

Phenytoin disposition in obesity. Determination of loading dose. Abernethy DR, et al. **Arch Neurol** 1985 May; 42(5):468–71

Erythrocyte ouabain binding and intracellular Na+ in normotensive obese women and obese women receiving medication for hypertension. Webster DP, et al. **Biochem Med** 1984 Oct;32(2):232–41

Serum protein binding and the role of increased alpha 1–acid glycoprotein in moderately obese male subjects. Benedek IH, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):941–6

Absence of response of prolactin to hypoglycaemia induced by insulin in obese children. Oseko F, et al. **Br Med J [Clin Res]** 1985 Feb 23;290(6468):603

Oxyhemoglobin saturation during sleep in subjects with and without the obesity–hypoventilation syndrome. Jones JB, et al. **Chest** 1985 Jul;88(1):9–15

Erythrocyte sodium pump activity in human obesity. Charalambous BM, et al. **Clin Chim Acta** 1984 Aug 31; 141(2–3):179–87

The effect of diet on ouabain binding to erythrocytes from obese subjects. Ash KO, et al. **Clin Physiol Biochem** 1983; 1(6):293–9

Increased sensitivity to somatostatin in obese Zucker rats. Bender H, et al. **Clin Physiol Biochem** 1985;3(1):1–7

Acanthosis nigricans in obese women with hyperandrogenism. Characterization of an insulin–resistant state distinct from the type A and B syndromes. Flier JS, et al. **Diabetes** 1985 Feb;34(2):101–7

Some quantitative changes in iodothyronine distribution and metabolism in mild obesity and aging. Jang M, et al. **Endocrinology** 1985 Jan;116(1):457–68

Specific prolactin release refractoriness to thyroid–stimulating hormone–releasing factor in an obese infertile man. Hasen J, et al. **Fertil Steril** 1985 Jan; 43(1):135–8

Erythrocyte sodium content, sodium transport, ouabain binding capacity and Na+, K+–ATPase activity in lean and obese subjects. Hawkins M, et al. **Horm Metab Res** 1984 Jun;16(6):282–5

Plasma growth hormone response to oral clonidine as compared to insulin hypoglycemia in obese children and adolescents. Topper E, et al. **Horm Metab Res** 1984 Dec; 16 Suppl 1:127–30

Peripheral autoregulation of thyroxine to triiodothyronine conversion in man. Nicoloff JT, et al. **Horm Metab Res [Suppl]** 1984;14:74–9

Fasting and postprandial plasma pancreatic polypeptide (PP) levels in obesity. Jorde R, et al. **Int J Obes** 1984;8(5):393–7

Plasma lipoproteins of monosodium glutamate-induced obese rats. Oida K, et al. **Int J Obes** 1984;8(5):385–91

Lipids and lipoproteins in obese adolescents during a hypocaloric diet [letter] Sterpa A, et al. **Int J Obes** 1984; 8(5):467–8

Beta-lipotropin and cortisol responses to an intravenous infusion dexamethasone suppression test in Cushing's syndrome and obesity. Abou Samra AB, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):116–9

Alteration of erythrocyte membrane lipid fluidity in human obesity. Beguinot F, et al. **J Clin Endocrinol Metab** 1985 Jun;60(6):1226–30

Peripheral hyperinsulinemia of simple obesity: pancreatic hypersecretion or impaired insulin metabolism? Bonora E, et al. **J Clin Endocrinol Metab** 1984 Dec;59(6):1121–7

Disparity of thyrotropin (TSH) and prolactin responses to TSH-releasing hormone in obesity. Donders SH, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):56–9

Influence of obesity on the metabolism of apolipoprotein B in humans. Egusa G, et al. **J Clin Invest** 1985 Aug; 76(2):596–603

Comparisons of metabolism of apolipoprotein B in normal subjects, obese patients, and patients with coronary heart disease. Kesäniemi YA, et al. **J Clin Invest** 1985 Aug; 76(2):586–95

Ketone body kinetics in humans: the effects of insulin-dependent diabetes, obesity, and starvation. Hall SE, et al. **J Lipid Res** 1984 Nov;25(11):1184–94

Low levels of sex hormone--binding globulin in obese children. Dunkel L, et al. **J Pediatr** 1985 Jul;107(1):95–7

Relationship of changes in obesity to serum lipid and lipoprotein changes in childhood and adolescence. Freedman DS, et al. **JAMA** 1985 Jul 26;254(4):515–20

Plasma glucagon suppressibility after oral glucose in obese subjects with normal and impaired glucose tolerance. Borghi VC, et al. **Metabolism** 1984 Dec;33(12):1068–74

Increased erythrocyte sodium efflux during overfeeding without evidence of mediation by circulating catecholamines or thyroid hormone. Fagerberg B, et al. **Metabolism** 1984 Nov;33(11):994–8

Pancreatic polypeptide in Pima Indians: the influence of obesity and diabetes. Gingerich RL, et al. **Metabolism** 1985 Jan;34(1):25–9

Erythrocyte heat production in human obesity: microcalorimetric investigation of sodium-potassium pump and cell metabolism. Monti M, et al. **Metabolism** 1985 Feb; 34(2):183–7

Heterogeneity of the erythrocyte Na-K pump status in human obesity. Pasquali R, et al. **Metabolism** 1985 Sep; 34(9):802–7

Plasma cortisol and beta-endorphin immunoreactivity in human obesity. Cohen MR, et al. **Psychosom Med** 1984 Sep-Oct;46(5):454–62

Effect of intravenously infused porcine GIP on serum insulin in obese and lean subjects studied with the hyperglycemic clamp technique. Amland PF, et al. **Scand J Gastroenterol** 1985 Apr;20(3):309–14

Effects of oral contraceptives and obesity on protein C antigen. Meade TW, et al. **Thromb Haemost** 1985 Apr 22; 53(2):198–9

[The effect of physical activity in obese subjects on the levels of cortisol, glucagon and beta-endorphins in the blood] Sonka J, et al. **Cas Lek Cesk** 1985 Feb 15;124(7):201–4 (Eng. Abstr.) **(Cze)**

[Changes in the metabolism of obese children] Lisá L, et al. **Cesk Pediatr** 1984 Jul;39(7):380–2 (Eng. Abstr.) **(Cze)**

[Specificity and sensitivity of lipoprotein lipids in normal persons and cardiovascular patients] Herrmann W, et al. **Z Gesamte Inn Med** 1985 Mar 15;40(6):180–3 (Eng. Abstr.) **(Ger)**

[Effect of thyroid hormones on noradrenaline-stimulated lipolysis in obesity] Ventz M, et al. **Z Gesamte Inn Med** 1984 Jun 15;39(12):282–4 (Eng. Abstr.) **(Ger)**

[Behavior of several hormonal and nonhormonal parameters in obesity. 3. Lipid pattern and obesity] Paggi A, et al. **Clin Ter** 1985 May 15;113(3):215–20 (Eng. Abstr.) **(Ita)**

[Behavior of several hormonal and nonhormonal parameters in obesity. II. Thyroid hormones (free T3, free T4, rT3)] Paggi A, et al. **Clin Ter** 1985 Apr 30;113(2):95–8 (Eng. Abstr.) **(Ita)**

[Behavior of several hormonal and nonhormonal parameters in obesity. 1. Blood prolactin] Paggi A, et al. **Clin Ter** 1985 Apr 15;113(1):19–27 (Eng. Abstr.) **(Ita)**

[Changes in individual plasma lipoprotein fractions in children with simple obesity] Krawczuk-Rybakowa M, et al. **Kardiol Pol** 1984;27(4):297–305 (Eng. Abstr.) **(Pol)**

[Hyperinsulinism-hypoglycemia in obesity] Dumitrescu C. **Rev Med Interna [Med Interna]** 1984 Nov-Dec; 36(6):505–20 (45 ref.) **(Rum)**

[Various characteristics of lipid metabolism disorders in obesity] Kalmykov ZA. **Klin Med (Mosk)** 1984 Aug; 62(8):107–9 (Eng. Abstr.) **(Rus)**

[Dynamics of lipid metabolism in the combined treatment of alimentary obesity] Shevelev GI, et al. **Ter Arkh** 1984; 56(9):114–6 (Eng. Abstr.) **(Rus)**

[Blood levels of various hormones in patients with ischemic heart disease and obesity] Chichkalo OV, et al. **Vrach Delo** 1985 Jun;(6):15–7 **(Rus)**

CHEMICALLY INDUCED

Characterization of muscles from aspartic acid obese rats. Burbach JA, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):R106–10

[Drugs inducing obesity] Cairella M. **Clin Ter** 1984 Sep 15; 110(5):469–75 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

A morphotypological analysis of an Italian population: association with obesity. Formenti D, et al. **Anthropol Anz** 1985 Mar;43(1):41–50

Obesity: new insight into the anthropometric classification of fat distribution shown by computed tomography. Ashwell M, et al. **Br Med J [Clin Res]** 1985 Jun 8; 290(6483):1692–4

Introduction to the Workshop on Methods for Characterizing Human Obesity. Callaway CW, et al. **Int J Obes** 1984; 8(5):477–80

Hormonal changes: are they useful in the classification of obesities? Hansen BC. **Int J Obes** 1984;8(5):579–90 (53 ref.)

Workshop on methods for characterizing human obesities. Purposes and types of classifications. Harrison GG. **Int J Obes** 1984;8(5):481–90

Animal models of obesity: classification and characterization. Sclafani A. **Int J Obes** 1984;8(5):491–508 (131 ref.)

Energy intake: uses and misuses. Stern JS, et al. **Int J Obes** 1984;8(5):535–41

COMPLICATIONS

Binge eating and dietary restraint in obese patients. Marcus MD, et al. **Addict Behav** 1985;10(2):163–8

The relationship of diabetes with race, sex, and obesity. Bonham GS, et al. **Am J Clin Nutr** 1985 Apr;41(4):776–83

Overweight and changes in weight throughout adult life in breast cancer etiology. A case-control study. Lubin F, et al. **Am J Epidemiol** 1985 Oct;122(4):579–88

Obesity in hypertension: how innocent a bystander? Messerli FH. **Am J Med** 1984 Dec;77(6):1077–82

Assessment of overweight children with trisomy 21. Cronk CE, et al. **Am J Ment Defic** 1985 Jan;89(4):433–6

Glomerular sclerosis in patients with massive obesity. Kasiske BL, et al. **Am J Nephrol** 1985;5(1):45–50

Interval tubal sterilization in obese women--an assessment of risks. Chi IC, et al. **Am J Obstet Gynecol** 1985 Jun 1; 152(3):292–7

Gallbladder disease in the morbidly obese. Amaral JF, et al. **Am J Surg** 1985 Apr;149(4):551–7

Dosage of antituberculous drugs in obese patients. Geiseler PJ, et al. **Am Rev Respir Dis** 1985 Jun;131(6):944–6

Obesity and the risk of cardiovascular disease. Björntorp P. **Ann Clin Res** 1985;17(1):3–9 (30 ref.)

Health implications of obesity. National Institutes of Health Consensus Development Conference Statement. **Ann Intern Med** 1985 Jul;103(1):147–51

Obesity and respiratory symptoms in primary school. Somerville SM, et al. **Arch Dis Child** 1984 Oct;59(10):940–4

Reversal of postoperative anuria by decompressive celiotomy. Smith JH, et al. **Arch Intern Med** 1985 Mar; 145(3):553–4

Palpitations in a patient with morbid obesity. Right atrial thrombus. Vicari RM, et al. **Arch Intern Med** 1985 Mar; 145(3):519–20

Aberrations in lipoprotein lipids in men with coronary artery disease and the influence of obesity, smoking and beta-adrenoceptor blocking drugs. Wallentin L, et al. **Atherosclerosis** 1985 Mar;54(3):241–9

Should obese patients not undergo coronary artery surgery? Koshal A, et al. **Can J Surg** 1985 Jul;28(4):331–4

Is hypertension more benign when associated with obesity? Barrett-Connor E, et al. **Circulation** 1985 Jul;72(1):53–60

Clinical complications of obesity. Kopelman PG. **Clin Endocrinol Metab** 1984 Nov;13(3):613–34 (99 ref.)

A randomized controlled trial of weight reduction and metoprolol in the treatment of hypertension in young overweight patients. MacMahon SW, et al. **Clin Exp Pharmacol Physiol** 1985 May-Jun;12(3):267–71

Studies on diabetes mellitus after ventromedial hypothalamic lesions in adult and aged rats. Lazaris JA, et al. **Endocrinol Exp (Bratisl)** 1985 Jun;19(2):67–76

Hazards in subgroups of human obesity. Björntorp P. **Eur J Clin Invest** 1984 Aug;14(4):239–41

Weight loss is associated with correction of gonadotropin and sex steroid abnormalities in the obese anovulatory female. Harlass FE, et al. **Fertil Steril** 1984 Oct; 42(4):649–52

Altered androstenedione and estrone dynamics associated with abnormal hormonal profiles in amenorrheic subjects with weight loss or obesity. Loughlin T, et al. **Fertil Steril** 1985 May;43(5):720–5

Are all obese patients at risk for cardiovascular disease? Brunzell JD. **Int J Obes** 1984;8(5):571–8 (38 ref.)

Failure of weight reduction to reduce mildly elevated blood pressure: a randomized trial. Haynes RB, et al. **J Hypertens** 1984 Oct;2(5):535–9

The antihypertensive effect of calorie restriction in obese adolescents: dissociation of effects on erythrocyte countertransport and cotransport. Weder AB, et al. **J Hypertens** 1984 Oct;2(5):507–14

The role of vitamin D metabolites in hypercalcemia of Zucker fa/fa rats. Ishida H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Feb;31(1):1–5

Weight reduction in hypertension [letter] Freestone S. **Lancet** 1985 Jul 27;2(8448):208–9

Group comparisons of blood pressure and indices of obesity and salt intake in Pacific populations. Taylor R, et al. **Med J Aust** 1985 Apr 29;142(9):499–501

Health implications of obesity. National Institutes of Health Consensus Development Conference Statement. **Nat Inst Health Consensus Dev Conf Consensus Statement** 1985;5(9):1–7

Massive obesity and nephrotic proteinuria with a normal renal biopsy. Wesson DE, et al. **Nephron** 1985;40(2):235–7

Myocardial infarction in a young obese male. **Nutr Rev** 1985 Feb;43(2):49–51

Male pattern obesity as a risk predictor for coronary heart disease, stroke and death. **Nutr Rev** 1985 Feb;43(2):44–6 (4 ref.)

The health implications of overweight and obesity. Simopoulos AP. **Nutr Rev** 1985 Feb;43(2):33–40 (26 ref.)

Perinatal problems of the obese mother and her infant. Kliegman RM, et al. **Obstet Gynecol** 1985 Sep; 66(3):299–306 (38 ref.)

Obstetric risks in obesity. An analysis of the literature. Ruge S, et al. **Obstet Gynecol Surv** 1985 Feb;40(2):57–60 (33 ref.)

Vectorcardiographic abnormalities in severe obesity. Mottironi P, et al. **Panminerva Med** 1985 Jan-Mar; 27(1):25–8

Aerobic capacity, obesity, and atherosclerotic risk factors in male adolescents. Fripp RR, et al. **Pediatrics** 1985 May; 75(5):813–8

Effect of obesity per se on plasma lipid and aortic responses to diet in swine. Pond WG, et al. **Proc Soc Exp Biol Med** 1985 May;179(1):90–5

The cardiomyopathy of obesity. Alexander JK. **Prog Cardiovasc Dis** 1985 Mar-Apr;27(5):325–34

Overweight and obesity in hypertension. Velasquez MT, et al. **Q J Med** 1985 Mar;54(215):205–12

On the pathogenesis of type II diabetes with special reference to diminished insulin response and obesity: a 5–12 year follow-up study of subjects with borderline glucose tolerance. Kadowaki T, et al. **Tohoku J Exp Med** 1983 Dec;141 Suppl:141–6

Clinical features of diabetogenic and atherogenic obesity. Vague J, et al. **Tohoku J Exp Med** 1983 Dec;141 Suppl:147–59

[The place of obesity among the causes of diabetes mellitus] Vague, et al. **Vutr Boles** 1985;24(2):75–8 **(Bul)**

[Obesity as a risk factor in hypertension] Staifová A. **Cesk Zdrav** 1985 Jul;33(6–7):285–93 (Eng. Abstr.) **(Cze)**

[Hypertension in obesity] Rath R, et al. **Vnitr Lek** 1984 Jul; 30(7):673–80 (Eng. Abstr.) **(Cze)**

[Influence of relative body weight on the prognosis of breast cancer in women] de Waard F, et al. **Ned Tijdschr Geneeskd** 1985 Mar 9;129(10):454–9 (Eng. Abstr.) **(Dut)**

[Obesity and the status of its knowledge] Lamberts H. **Ned Tijdschr Geneeskd** 1985 Feb 9;129(6):243–4 **(Dut)**

[Morbid obesity and anesthesia] Katz Y, et al. **Harefuah** 1985 Mar 1;108(5):254–6 **(Heb)**

[Obesity and hypertension. Prevalence, pathogenesis and clinical significance] Palumbo G, et al. **Recenti Prog Med** 1984 Sep;75(9):844–56 (67 ref.) (Eng. Abstr.) **(Ita)**

[Population attributable risk percent (PAR) of obesity in essential hypertension] Takashima Y. **Nippon Eiseigaku Zasshi** 1985 Feb;39(6):914–23 (Eng. Abstr.) **(Jpn)**

[Serum cholinesterase activity in non-alcoholic fatty liver. Effect of obesity on the activity and role of its measurement in the differential diagnosis in chronic hepatitis] Nomura F, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jul; 81(7):1569–73 (Eng. Abstr.) **(Jpn)**

[Epidemiology of obesity and the problem of overweight as a potential health hazard] Krotkiewski M. **Pol Tyg Lek** 1984 Dec 3;39(49):1589–92 **(Pol)**

[Role of excessive body weight and hormonal changes in the development of the main types of hyperlipoproteinemia] Kolodin VA, et al. **Kardiologiia** 1984 Nov;24(11):32–6 (Eng. Abstr.) **(Rus)**

[Acute cholecystitis in obese patients] Datkhaev IuI, et al. **Klin Khir** 1984 Sep;(9):46–7 (Eng. Abstr.) **(Rus)**

[Obesity and cerebrovascular diseases] Bešlin M. **Med Pregl** 1984;37(5–6):225–8 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Methodological issues related to age of onset of obesity. Wing RR, et al. **Addict Behav** 1985;10(1):69–73

Recent developments in obesity research. Electromagnetic tools for measuring total body fat. Van Itallie TB. **Ala J Med Sci** 1984 Oct;21(4):396–8

Androgyny in fat patterning is associated with obesity in adolescents and young adults. Deutsch MI, et al. **Ann Hum Biol** 1985 May-Jun;12(3):275–86

Bardet-Biedl syndrome. Keith CG. **Aust J Ophthalmol** 1984 May;12(2):143–8

ABC of nutrition. Obesity: diagnosis and risks. Truswell AS. **Br Med J [Clin Res]** 1985 Sep 7;291(6496):655–7

Comparison of different criteria for measurement of obesity in a community. Sood AK, et al. **Indian J Med Res** 1984 Sep;80:365–71

Quetelet's index (W/H2) as a measure of fatness. Garrow JS, et al. **Int J Obes** 1985;9(2):147–53

Validity of triceps skinfold and relative weight as measures of adolescent obesity. Johnston FE. **J Adolesc Health Care** 1985 May;6(3):185-90

Physical activity and adiposity: a longitudinal study from birth to childhood. Berkowitz RI, et al. **J Pediatr** 1985 May;106(5):734-8

Low-dose dexamethasone suppression of urinary free cortisol in the differential diagnosis between Cushing's syndrome and obesity. Kreze A, et al. **Klin Wochenschr** 1985 Feb 15;63(4):188-9

Measurement of overweight. **Stat Bull Metrop Insur Co** 1984 Jan-Mar;65(1):20-3

[Hyperplastic endometrial processes in patients with postpartum obesity and disordered menstrual function] Uliatovskaia LN. **Akush Ginekol (Mosk)** 1985 Mar;(3):46-8 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Effect of a moderately energy- and salt-reduced diet on body compartments and blood pressure control in obese men with mild hypertension. Fagerberg B, et al. **Acta Med Scand** 1984;216(4):353-9

Improved metabolic control after supplemented fasting in overweight type II diabetic patients. Vessby B, et al. **Acta Med Scand** 1984;216(1):67-74

Errors in food recording and calorie estimation: clinical and theoretical implications for obesity. Zegman MA. **Addict Behav** 1984;9(4):347-50

The substitution of sucrose polyester for dietary fat in obese, hypercholesterolemic outpatients. Mellies MJ, et al. **Am J Clin Nutr** 1985 Jan;41(1):1-12

Cardiac dysfunction in obese dieters [letter] Shapiro EA, et al. **Am J Clin Nutr** 1984 Dec;40(6):1304-6

Anthropometric and calorimetric evidence for the protein sparing effects of a new protein supplemented low calorie preparation. Van Gaal LF, et al. **Am J Clin Nutr** 1985 Mar;41(3):540-4

A comparison of two very-low-calorie diets: protein-sparing-modified fast versus protein-formula-liquid diet. Wadden TA, et al. **Am J Clin Nutr** 1985 Mar;41(3):533-9

Changes in height velocity of obese preadolescents during weight reduction. Dietz WH Jr, et al. **Am J Dis Child** 1985 Jul;139(7):705-7

Multidisciplinary treatment of obesity with a protein-sparing modified fast: results in 668 outpatients. Palgi A, et al. **Am J Public Health** 1985 Oct;75(10):1190-4

Very-low-calorie diets and electrocardiographic changes [letter] Narasimhan N, et al. **Ann Intern Med** 1985 May;102(5):716

Effects of severe caloric restriction on the degree of sialylation of apoprotein C-III in obese women. Bosello O, et al. **Ann Nutr Metab** 1985;29(1):33-9

Need for medical supervision with very-low-calorie diets [letter] Locke TJ 3d. **Arch Intern Med** 1984 Dec;144(12):2431-2

Weight-reducing diets. Balabanski L. **Bibl Nutr Dieta** 1985;(35):111-21

Monitoring therapeutic effects of diets. Schlierf G. **Bibl Nutr Dieta** 1985;(35):106-10

Importance of dietary salt in the hemodynamic adjustment to weight reduction in obese hypertensive men. Andersson OK, et al. **Hypertension** 1984 Nov-Dec;6(6 Pt 1):814-9

Effect of glucomannan on obese patients: a clinical study. Walsh DE, et al. **Int J Obes** 1984;8(4):289-93

Protein-sparing diet for severely obese adolescents: design and use of an equivalency system for menu planning. Bell L, et al. **J Am Diet Assoc** 1985 Apr;85(4):459-64

Obesity a family matter: creating new behavior. Frankle RT. **J Am Diet Assoc** 1985 May;85(5):597-602 (63 ref.)

Dietary control of hypertension and obesity and body weight standards. Simopoulos AP. **J Am Diet Assoc** 1985 Apr;85(4):419-22

Fluid retention and weight reduction in perimenopausal women. Spodnik MJ, et al. **J Am Diet Assoc** 1985 Aug;85(8):971-3

Effective dietary intervention in hypertensives: sodium restriction and weight reduction. Wassertheil-Smoller S, et al. **J Am Diet Assoc** 1985 Apr;85(4):423-30

Beneficial effect of moderate weight loss in older patients with non-insulin-dependent diabetes mellitus poorly controlled with insulin. Reaven GM. **J Am Geriatr Soc** 1985 Feb;33(2):93-5

Weight reduction in hypertension [editorial] **Lancet** 1985 Jun 1;1(8440):1251-2

Losing fat [letter] Garrow JS. **Lancet** 1985 Aug 17;2(8451):387

Method for estimating rate of fat loss during treatment of obesity by calorie restriction. Wynn V, et al. **Lancet** 1985 Mar 2;1(8427):482-6

The effectiveness of carefully monitored modified fast as adjuvant therapy for exogenous obesity in active duty personnel. Carlson DE, et al. **Milit Med** 1984 Dec;149(12):669-71

Protein requirements with very low calorie diets. Blackburn GL. **Postgrad Med J** 1984;60 Suppl 3:59-65

Benefits of reducing--revisited. Blackburn GL, et al. **Postgrad Med J** 1984;60 Suppl 3:13-8

A clinical assessment of Modifast in U.K. general practice. Isaacs AJ, et al. **Postgrad Med J** 1984;60 Suppl 3:74-82

Dietary aspects of obesity. James WP. **Postgrad Med J** 1984;60 Suppl 3:50-5

Effects of a raw food diet on hypertension and obesity. Douglass JM, et al. **South Med J** 1985 Jul;78(7):841-4

Effect of long-term fasting of obese patients on pancreatic exocrine function, gastrointestinal hormones and bicarbonate concentration in plasma. Fölsch UR, et al. **Z Gastroenterol** 1984 Jul;22(7):357-64

[Clinical dietition in general practice. The effect of dietary advice to obese patients and diabetics] Kromann H. **Ugeskr Laeger** 1984 Dec 31;147(1):20-3 (Eng. Abstr.) **(Dan)**

[Ambulatory treatment of obesity with only dietary advice] Osler M. **Ugeskr Laeger** 1984 Oct 1;146(40):3015-6 (Eng. Abstr.) **(Dan)**

[Thyroid hormones during a hypocaloric diet in obese patients] Moinade S, et al. **Pathol Biol (Paris)** 1985 Jan;33(1):27-33 (Eng. Abstr.) **(Fre)**

[Hypocaloric and high-protein diet in obese patients: changes in the lean mass] Lamisse F, et al. **Rev Med Interne** 1984 Sep;5(3):191-9 (Eng. Abstr.) **(Fre)**

[Obesity in children: the pitfalls of dieting] Adam A, et al. **Rev Med Liege** 1985 Jan 15;40(2):61-7 **(Fre)**

[Effect of the PSMF diet on plasma lipids and lipoproteins in obese subjects] Petrillo A, et al. **Schweiz Med Wochenschr** 1984 Dec 8;114(49):1837-41 (Eng. Abstr.) **(Fre)**

[Concentrations of bile acids in serum, urine and feces in patients with gastrointestinal diseases. Effect of peptide diet in comparison with a normal diet] Krzyzanowski W, et al. **Fortschr Med** 1984 Dec 13;102(46):1190-2 (Eng. Abstr.) **(Ger)**

[Weight reduction on a commercially available minimal diet. Results of replacing 1 meal per day] Sailer D, et al. **Fortschr Med** 1984 Sep 20;102(35):879-81 (Eng. Abstr.) **(Ger)**

[Intervention indications, goals and evaluation criteria in obesity therapy in early childhood] Hövels O, et al. **Monatsschr Kinderheilkd** 1984 Dec;132(12):920-2 **(Ger)**

[Obesity therapy--sensible after care of patients following treatment using a nutrition counseling system] Schröder EM. **Off Gesundheitswes** 1985 Apr;47(4):151-3 **(Ger)**

[Changes in noninvasive cardiovascular parameters by inpatient weight reduction] Kinner B, et al. **Z Gesamte Inn Med** 1985 Jun 15;40(12):369-72 (Eng. Abstr.) **(Ger)**

[Changes in body composition in obese patients on a low-calorie diet] Capani F, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30;61(3):441-4 (Eng. Abstr.) **(Ita)**

[Ambulatory treatment of obesity with modified fasting (Modifast)] Gatti E, et al. **Minerva Med** 1984 Jul 31;75(30-31):1771-80 (Eng. Abstr.) **(Ita)**

[Dietary treatment of hypertension in obesity--mechanisms underlying blood pressure reduction] Fagerberg B. **Nord Med** 1984;99(12):323-4 (Eng. Abstr.) **(Nor)**

[Evaluation of the effect of extremely low-calorie diets on obese patients] Beiul EA, et al. **Vopr Pitan** 1984 Sep-Oct;(5):15-8 (Eng. Abstr.) **(Rus)**

[Effect of different dietary programs on serum monoamine oxidase activity in patients with obesity] Belinskiĭ VP. **Vopr Pitan** 1984 Nov-Dec;(6):26-8 (Eng. Abstr.) **(Rus)**

[Treatment of patients with chronic obstructive bronchitis and concomitant obesity with a hyposensitizing reducing diet] Butenko GE, et al. **Vopr Pitan** 1985 Jan-Feb;(1):15-8 **(Rus)**

[Effect of diet therapy on indicators of lipid metabolism in obese children] Kniazev IuA, et al. **Vopr Pitan** 1985 Mar-Apr;(2):23-6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Enhanced thermogenic responsiveness during chronic ephedrine treatment in man. Astrup A, et al. **Am J Clin Nutr** 1985 Jul;42(1):83-94

Intramuscular ceruletide does not affect food intake in obese and non-obese human subjects. Akner G, et al. **Appetite** 1985 Mar;6(1):21-4

Serum lipoprotein and lipoprotein lipase in overweight, type II diabetics during and after supplemented fasting. Vessby B, et al. **Arteriosclerosis** 1985 Jan-Feb;5(1):93-100

Thermogenic drugs for the treatment of obesity: sympathetic stimulants in animal models. Dulloo AG, et al. **Br J Nutr** 1984 Sep;52(2):179-96

Dr Gee's cross examination continues. Dyer C. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):228-9

Naltrexone and human eating behavior: a dose-ranging inpatient trial in moderately obese men. Maggio CA, et al. **Brain Res Bull** 1985 Jun;14(6):657-61

Effect of 'physiological' doses of triiodothyronine replacement on the hormonal and metabolic adaptation to short-term semistarvation and to low-calorie diet in obese patients. Pasquali R, et al. **Clin Endocrinol (Oxf)** 1984 Oct;21(4):357-67

Novel approaches and drugs for obesity. Proceedings of a satellite symposium to the Fourth International Congress on Obesity. New York, USA, 3-5 October 1983. **Int J Obes** 1984;8 Suppl 1:1-248

Treatment of obesity with thermogenic beta-adrenoceptor agonists: studies on BRL 26830A in rodents. Arch JR, et al. **Int J Obes** 1984;8 Suppl 1:1-11

Application of agents active at the alpha 2-adrenoceptor of fat cells to the treatment of obesity--a critical appraisal. Curtis-Prior PB, et al. **Int J Obes** 1984;8 Suppl 1:201-13 (46 ref.)

Studies with sucrose polyester. Jandacek RJ. **Int J Obes** 1984;8 Suppl 1:13-21

A controlled trial using ephedrine in the treatment of obesity. Pasquali R, et al. **Int J Obes** 1985;9(2):93-8

The therapeutic potential of cholecystokinin. Smith GP. **Int J Obes** 1984;8 Suppl 1:35-8 (19 ref.)

Pharmacological modulation of lipid metabolism for the treatment of obesity. Sullivan AC, et al. **Int J Obes** 1984;8 Suppl 1:241-8 (47 ref.)

Anti-obesity activity of a novel lipid synthesis inhibitor. Triscari J, et al. **Int J Obes** 1984;8 Suppl 1:227-39

Reduced norepinephrine turnover in brown adipose tissue of pre-obese mice treated with monosodium-L-glutamate. Yoshida T, et al. **Life Sci** 1985 Mar 11;36(10):931-8

Effect of dopamine agonists and fenfluramine on discriminative behavior in obese and lean Zucker rats. Schechter MD, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):7-11

The current status of antiobesity drugs. Galloway SM, et al. **Postgrad Med J** 1984;60 Suppl 3:19-26 (34 ref.)

ENZYMOLOGY

The effect of body weight and the fatty acid-oxidation inhibitor 2-tetradecylglycidic acid on pyruvate dehydrogenase complex activity in mouse heart. Caterson ID, et al. **Biochem J** 1984 Dec 15;224(3):787-91

Hepatic delta 6-desaturase activity in lean and genetically obese ob/ob mice. Hughes S, et al. **Biochem J** 1985 Jan 15;225(2):307-13

Glycerokinase activity in brown and white adipose tissues of cold-adapted obese Zucker rats. Bertin R, et al. **Biochimie** 1984 Jul-Aug;66(7-8):569-72

The interaction of guanine nucleotides with the adenylate cyclase complex in white adipocyte membranes of lean and obese (ob/ob) mice. Bégin-Heick N. **Can J Biochem Cell Biol** 1984 Sep;62(9):819-26

Relationship between arterial oxygen tension and serum aminotransferases in morbidly obese patients with fatty liver [letter] Nanji AA, et al. **Clin Chem** 1985 Sep;31(9):1571-2

Elevated skeletal muscle sodium-potassium-ATPase in human obesity. Charalambous BM, et al. **Clin Chim Acta** 1984 Aug 31;141(2-3):189-95

Effects of cold acclimation on the activity of lipoprotein lipase in adipose tissues of genetically obese Zucker rats. Bertin R, et al. **Comp Biochem Physiol [B]** 1985;81(3):797-801

High sensitivity of carnitine acyltransferase I to malonyl-CoA inhibition in liver of obese Zucker rats. Clouet P, et al. **FEBS Lett** 1985 Mar 25;182(2):331-4

Indirect evidence against a contribution of the guanine nucleotide-binding inhibitory component of adenylate cyclase to impaired lipolysis in the epididymal adipose tissue of congenitally obese (ob/ob) mice. Dehaye JP, et al. **Horm Metab Res** 1985 Jul;17(7):333-6

Enzyme activities of hepatic glucose utilization in the fed and fasting genetically obese mouse at 4-5 months of age. Hron WT, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:32-6

Erythrocyte Na+-ATPase in obese patients. Pasquali R, et al. **Horm Metab Res** 1984 Jun;16(6):279-81

Glycerokinase activity in human adipose tissue as related to obesity. Chakrabarty K, et al. **Int J Obes** 1984;8(6):609-22

Enzymatic alterations in the obese: long or short-term regulatory errors? Greenwood MR. **Int J Obes** 1984;8(5):561-9 (36 ref.)

Effects of aging and obesity on aromatase activity of human adipose cells. Cleland WH, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):174-7

Insulin responsiveness of adipose tissue lipoprotein lipase is delayed but preserved in obesity. Sadur CN, et al. **J Clin Endocrinol Metab** 1984 Dec;59(6):1176-82

Phenobarbital in the genetically obese Zucker rat. II. In vivo and in vitro assessments of microsomal enzyme induction. Brouwer KL, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):654-9

Effects of overweight and habitual drinking on serum transaminase levels. Takashima Y, et al. **Keio J Med** 1984 Apr;33(1):1-16

Serum cholesterol, lecithin-cholesterol acyltransferase, and hepatic hydroxymethylglutaryl coenzyme A reductase activities of lean and obese Zucker rats. Lin RC. **Metabolism** 1985 Jan;34(1):19-24

Lysosomal enzyme activities in pancreatic islets from normal and obese hyperglycemic mice. Lundquist I. **Metabolism** 1985 Jan;34(1):1-9

Characterization of elevated plasma alkaline phosphatase activity in genetically obese mice. Menahan LA, et al. **Metabolism** 1985 Mar;34(3):272-7

Pancreatic and intestinal digestive enzymes in post-weanling rats with hypothalamic obesity. Bernardis LL, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):589-98

[Serum dopamine beta-hydroxylase activity in obesity and during a two-week fasting period] Halmy L, et al. **Orv Hetil** 1985 Mar 17;126(11):627-33 (Eng. Abstr.) **(Hun)**

[Serum monoamine oxidase activity in alimentary obesity] Belinskii VP. **Klin Med (Mosk)** 1984 Aug;62(8):105-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Diet and obesity. Danforth E Jr. **Am J Clin Nutr** 1985 May;

41(5 Suppl):1132–45

Nonirritative lesions of VMH: effects on plasma insulin, obesity, and hyperreactivity. King BM, et al. **Am J Physiol** 1985 Jun;248(6 Pt 1):E669–75

Scapular brown fat removal enhances development of adiposity in cold-exposed obese Zucker rats. Stern JS, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R918–26

Hyperphagia: a necessary precondition to obesity? Slattery JM, et al. **Appetite** 1985 Jun;6(2):133–42

The development of obesity in animals: the role of dietary factors. Rothwell NJ, et al. **Clin Endocrinol Metab** 1984 Nov;13(3):437–49 (62 ref.)

Gestational diabetes mellitus and impaired glucose tolerance during pregnancy. Long-term effects on obesity and glucose tolerance in the offspring. Petitt DJ, et al. **Diabetes** 1985 Jun;34 Suppl 2:119–22

Alcohol and obesity: a new look at high blood pressure and stroke. An epidemiological study in preventive neurology. Kornhuber HH, et al. **Eur Arch Psychiatry Neurol Sci** 1985; 234(6):357–62

Effect of dietary fat on food intake, growth and body composition in rats. Oscai LB, et al. **Growth** 1984 Winter; 48(4):415–24

Aetiological factors of obesity in children. Darwish OA, et al. **Hum Nutr Clin Nutr** 1985 Mar;39(2):131–6

Prenatal monosodium glutamate (MSG) treatment given through the mother's diet causes behavioral deficits in rat offspring. Frieder B, et al. **Int J Neurosci** 1984 Apr; 23(2):117–26

Anti-opiate (naloxone) suppression of Cushingoid degenerative changes in obese/SHR. Wexler BC, et al. **Int J Obes** 1985;9(2):77–91

Obesity and caloric intake: the National Health and Nutrition Examination Survey of 1971–1975 (HANES I). Braitman LE, et al. **J Chronic Dis** 1985;38(9):727–32

Effect of sucrose solution drinking option on the development of obesity in rats. Rattigan S, et al. **J Nutr** 1984 Oct;114(10):1971–7

Infant determinants of childhood weight and adiposity. Kramer MS, et al. **J Pediatr** 1985 Jul;107(1):104–7

Determinants of weight and adiposity in the first year of life. Kramer MS, et al. **J Pediatr** 1985 Jan;106(1):10–4

Diet change and obesity among modernizing Polynesians. **Nutr Rev** 1984 Oct;42(10):347–50

Self-selection and the obese Zucker rat: the effect of dietary fat dilution. Castonguay TW, et al. **Physiol Behav** 1984 Jul;33(1):119–26

Feeding in infancy, adipose tissue cellularity and obesity. Hausberger FX, et al. **Physiol Behav** 1984 Jul;33(1):81–7

Dietary obesity and exercise in young rats. Hill JO, et al. **Physiol Behav** 1984 Aug;33(2):321–8

Obesity in lower and middle socio-economic status mothers and their children. Saltzer EB, et al. **Res Nurs Health** 1985 Jun;8(2):147–53

Why do people get fat? [news] Kolata G. **Science** 1985 Mar 15;227(4692):1327–8

[The composition of skeletal muscle--an important factor in the pathogenesis of obesity in men] Vondra K, et al. **Vnitr Lek** 1985 Aug;31(8):762–8 (Eng. Abstr.) **(Cze)**

[Thermogenesis and obesity. Pathogenetic and therapeutic deliberations] Astrup A, et al. **Ugeskr Laeger** 1984 Oct 1; 146(40):3003–7 (Eng. Abstr.) **(Dan)**

[Diencephalon-dependent disorders of body height during development] Vock K, et al. **Kinderarztl Prax** 1984 Nov; 52(11):505–10 (Eng. Abstr.) **(Ger)**

[The development of obesity in childhood] Zwiauer KF, et al. **Klin Padiatr** 1984 Nov-Dec;196(6):327–35 (76 ref.) (Eng. Abstr.) **(Ger)**

[Prolactin and obesity: aspects of hypothalamic pathology] Nardoni A, et al. **G Clin Med** 1985 Mar-Apr;66(3–4):111–8 (Eng. Abstr.) **(Ita)**

[Endocrine manifestations of hydrocephalus (letter)] Manzini PS, et al. **Rev Paul Med** 1984 Jul-Aug;102(4):184 **(Por)**

[Pathogenesis of obesity in pregnancy] Makarov IA, et al. **Akush Ginekol (Mosk)** 1985 May;(5):65–6 **(Rus)**

[Diabetes mellitus in hypothalamic obesity] Lazaris IaA, et al. **Fiziol Zh** 1985 May-Jun;31(3):326–31 (Eng. Abstr.) **(Rus)**

[Intradermal hormone test in adolescent girls with obesity] Grebova LP. **Pediatriia** 1984 Dec;(12):30–3 **(Rus)**

[Models of feeding in the genesis of obesity in the 1st year of life] Vega-Franco L, et al. **Gac Med Mex** 1984 Nov-Dec;120(11-12):359–69 **(Spa)**

FAMILIAL & GENETIC

Parental obesity combined with hypertension--an indicator of excess risk of hypertension in offspring. A case-control study in a Swedish primary care district. Lindholm L. **Acta Med Scand** 1984;216(3):277–85

The development of obesity in animals: the role of genetic susceptibility. Trayhurn P. **Clin Endocrinol Metab** 1984 Nov;13(3):451–74 (122 ref.)

Involvement of the cholinergic system in insulin and glucagon oversecretion of genetic preobesity. Rohner-Jeanrenaud F, et al. **Endocrinology** 1985 Feb; 116(2):830–4

Commingling in the distributions of fat-related measures in Punjabi families. Sharma K, et al. **Hum Hered** 1984; 34(5):278–84

The role of genetic analyses in characterizing obesity. Williams RR. **Int J Obes** 1984;8(5):551–9

Description of a new model of genetic obesity: the dbPas mouse. Aubert R, et al. **J Nutr** 1985 Mar;115(3):327–33

Genetically obese Zucker rats have abnormally low brain insulin content. Baskin DG, et al. **Life Sci** 1985 Feb 18; 36(7):627–33

Blood parameters and body composition in fetuses from reciprocal crosses of genetically lean and obese swine. Stone RT, et al. **Proc Soc Exp Biol Med** 1985 Oct; 180(1):191–5

[Heredity and obesity] Tsanev A, et al. **Vutr Boles** 1984; 23(4):80–3 **(Bul)**

[Congenital hydrocephalus, oligophrenia, dwarfism, centripetal obesity and hypogonadism; an X-linked recessive hereditary illness?] Sengers RC, et al. **Tijdschr Kindergeneeskd** 1985 Feb;53(1):31–4 (Eng. Abstr.) **(Dut)**

[Role of brown adipose tissue in the development of genetic obesity in the obese Zucker rat (fa/fa)] Bazin R, et al. **Reprod Nutr Dev** 1985;25(1B):183–8 (Eng. Abstr.) **(Fre)**

HISTORY

Nutrition classics. Statistical Bulletin, October 1942: Ideal weights for women. **Nutr Rev** 1985 Feb;43(2):52–4

[Other victims of obesity] von Fiandt C. **Duodecim** 1985; 101(5):528–30 **(Fin)**

IMMUNOLOGY

HLA and obesity. Beck MD, et al. **Biomed Pharmacother** 1984;38(4):209–11

[Clinical evaluation of immunologic reactivity in young children with excessive weight during dispensarization] Kravets EB, et al. **Pediatriia** 1985 Feb;(2):18–20 (Eng. Abstr.) **(Rus)**

METABOLISM

Immunoreactive neurotensin in spontaneous syndromes of obesity and diabetes in mice. Sheppard MC, et al. **Acta Endocrinol (Copenh)** 1985 Apr;108(4):532–6

Effects of exercise on riboflavin requirements: biological validation in weight reducing women. Belko AZ, et al. **Am J Clin Nutr** 1985 Feb;41(2):270–7

Interrelationships of glucose and protein metabolism in obese adolescents during short-term hypocaloric dietary therapy. Dietz WH Jr, et al. **Am J Clin Nutr** 1985 Sep;42(3):380–90

Alterations in adipocyte free fatty acid re-esterification associated with obesity and weight reduction in man. Leibel RL, et al. **Am J Clin Nutr** 1985 Aug;42(2):198–206

Energy expenditure before and during energy restriction in obese patients. Ravussin E, et al. **Am J Clin Nutr** 1985 Apr;41(4):753–9

Dietary measures of physical activity. Sopko G, et al. **Am J Epidemiol** 1984 Dec;120(6):900–11

Aldosterone studies in obese patients with hypertension. Marks P, et al. **Am J Med Sci** 1985 Jun;289(6):224–8

Relationship between degree of obesity and in vivo insulin action in man. Bogardus C, et al. **Am J Physiol** 1985 Mar; 248(3 Pt 1):E286–91

Energy expenditure is reduced in preobese 2-day Zucker fa/fa rats. Moore BJ, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):R262–5

Insulin-resistant Na+ pump activity in adipocytes from obese humans. Mott DM, et al. **Am J Physiol** 1985 Aug; 249(2 Pt 1):E160–4

Secretion and hepatic removal of insulin in female obese subjects with reactive hypoglycemia. Bonora E, et al. **Ann Nutr Metab** 1984;28(5):305–10

Quick response of fat tissue to treatment of thyroid disorders and to dieting in obesity. Nakashima T, et al. **Ann Physiol Anthropol** 1984 Jul;3(3):201–6

Pancreatic islet hormone response to oral glucose in morbidly obese patients. Sirinek KR, et al. **Ann Surg** 1985 Jun; 201(6):690–4

Epidemiological correlates of high density lipoprotein subfractions, apolipoproteins A-I, A-II, and D, and lecithin cholesterol acyltransferase. Effects of smoking, alcohol, and adiposity. Haffner SM, et al. **Arteriosclerosis** 1985 Mar-Apr;5(2):169–77

Effect of a novel thermogenic beta-adrenoceptor agonist (BRL 26830) on insulin resistance in soleus muscle from obese Zucker rats. Challiss RA, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):928–35

Treatment with an ascochlorin derivative, AS-6 increases 45Ca2+ binding on the plasma membrane of adipocytes in db/db mice. Hosokawa T, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):247–53

Effect of corticotropin on brown adipose tissue mitochondrial GDP binding in obese rats. York DA, et al. **Biochem J** 1984 Oct 1;223(1):263–6

High affinity GDP binding sites on brown adipose tissue mitochondria of genetically obese 'fa/fa' rats. French RR, et al. **Biosci Rep** 1985 Feb;5(2):159–66

Caffeine disposition in obesity. Abernethy DR, et al. **Br J Clin Pharmacol** 1985 Jul;20(1):61–6

Effect of opiates on the release of cholecystokinin from in vitro hypothalamus and frontal cortex of Zucker lean (Fa/-) and obese (fa/fa) rats. Micevych PE, et al. **Brain Res** 1985 Jul 1;337(2):382–5

The role of thyroid hormones in the control of energy expenditure. Danforth E Jr, et al. **Clin Endocrinol Metab** 1984 Nov;13(3):581–95 (43 ref.)

Energy expenditure in obesity. Jequier E. **Clin Endocrinol Metab** 1984 Nov;13(3):563–80 (78 ref.)

Evidence for differing dopaminergic activity in childhood- or adult-onset obesity. Catania A, et al. **Clin Endocrinol (Oxf)** 1985 Jan;22(1):75–81

Relationship between the changes in serum thyroid hormone levels and protein status during prolonged protein supplemented caloric deprivation. Kaptein EM, et al. **Clin Endocrinol (Oxf)** 1985 Jan;22(1):1–15

Impaired growth hormone response to growth hormone releasing factor and insulin-hypoglycaemia in obesity. Kopelman PG, et al. **Clin Endocrinol (Oxf)** 1985 Jul; 23(1):87–94

Cimetidine clearance in the obese. Bauer LA, et al. **Clin Pharmacol Ther** 1985 Apr;37(4):425–30

Prednisolone disposition in obese men. Milsap RL, et al. **Clin Pharmacol Ther** 1984 Dec;36(6):824–31

Platelet alpha-2 adrenoceptors and the menstrual cycle. Sundaresan PR, et al. **Clin Pharmacol Ther** 1985 Mar; 37(3):337–42

Effect of work-induced hypertrophy on muscle glucose metabolism in lean and obese mice. Augert G, et al. **Diabetologia** 1985 May;28(5):295–301

Binding and molecular weight properties of the insulin receptor from omental and subcutaneous adipocytes in human obesity. Livingston JN, et al. **Diabetologia** 1984 Oct; 27(4):447–53

Oversecretion of glucagon by pancreases of ventromedial hypothalamic-lesioned rats: a re-evaluation of a controversial topic. Rohner-Jeanrenaud F, et al. **Diabetologia** 1984 Nov;27(5):535–9

Insulin-sensitive phosphodiesterase and insulin receptor binding in fat cells from spontaneously obese rats. Suzuki T, et al. **Diabetologia** 1985 May;28(5):286–90

Adrenergic regulation of lipolysis in abdominal adipocytes of obese subjects during caloric restriction: reversal of catecholamine action caused by relief of endogenous inhibition. Kather H, et al. **Eur J Clin Invest** 1985 Feb; 15(1):30–7

Distribution of 1251-thyroxine in different organs and tissues of dietically obese rats. Hartmann K, et al. **Exp Clin Endocrinol** 1985 Apr;85(2):176–82

Measurement by radioimmunoassay of the mitochondrial uncoupling protein from brown adipose tissue of obese (ob/ob) mice and Zucker (fa/fa) rats at different ages. Ashwell M, et al. **FEBS Lett** 1985 Jan 7;179(2):233–7

Reduced maximum capacity of glycolysis in brown adipose tissue of genetically obese, diabetic (db/db) mice and its restoration following treatment with a thermogenic beta-adrenoceptor agonist. Young P, et al. **FEBS Lett** 1984 Oct 15;176(1):16–20

Metabolic consequences of dehydroepiandrosterone in lean and obese adult Zucker rats. Cleary MP, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:43–6

A metabolic profile of fed and fasting genetically obese mice at 4–5 months of age. Lombardo YB, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:37–42

Adrenal androgens in obese boys before and after weight loss. Pintor C, et al. **Horm Metab Res** 1984 Oct; 16(10):544–8

Effects of naloxone-induced opiate receptors blockade on insulin secretion in obesity. Vettor R, et al. **Horm Metab Res** 1985 Jul;17(7):374–5

Nuclear thyroxine receptors and cellular metabolism of thyroxine in obese subjects before and after fasting. Kvetny J. **Horm Res** 1985;21(1):60–5

Metabolic responses during modified fasting and refeeding. The role of sympathetic nervous system activity and thyroid hormones. Koppeschaar HP, et al. **Hum Nutr Clin Nutr** 1985 Jan;39(1):17–28

Insulin and blood pressure in obesity. Lucas CP, et al. **Hypertension** 1985 Sep-Oct;7(5):702–6

Similar plasma GIP responses in obese and lean subjects after an oral test meal and after intraduodenal stimulation with fat and glucose. Amland PF, et al. **Int J Obes** 1984; 8(6):649–53

Cholesterol metabolism in lean and obese Zucker rats: effects of portacaval anastomosis. Bendjellit S, et al. **Int J Obes** 1985;9(1):1–9

Insulin secretion in human obesity: effects of prolonged fasting and refeeding. Bolinder J, et al. **Int J Obes** 1984; 8(6):623–7

Suppression of norepinephrine-induced thermogenesis in human obesity by diet and weight loss. Finer N, et al. **Int J Obes** 1985;9(2):121–6

Relation of breath methane with obesity and other factors. Haines AP, et al. **Int J Obes** 1984;8(6):675–80

Basal metabolism of obese adolescents: age, gender and body composition effects. Katch V, et al. **Int J Obes** 1985; 9(1):69–76

Phenethanolamine derivatives with calorigenic and antidiabetic qualities. Meier MK, et al. **Int J Obes** 1984; 8 Suppl 1:215–25

The cholesterol saturation of bile and its reduction by chenodeoxycholic acid in massively obese patients. Whiting MJ, et al. **Int J Obes** 1984;8(6):681–8

d-Fenfluramine selectively decreases carbohydrate but not protein intake in obese subjects. Wurtman JJ, et al. **Int J Obes** 1984;8 Suppl 1:79–84

Contributions of fatty acid and sterol synthesis to triglyceride and cholesterol secretion by the perfused rat liver in genetic hyperlipemia and obesity. Azain MJ, et al. **J Biol Chem** 1985 Jan 10;260(1):174–81

Proposed mechanism for increased insulin-mediated glucose transport in adipose cells from young, obese Zucker rats. Large intracellular pool of glucose transporters. Guerre-Millo M, et al. **J Biol Chem** 1985 Feb 25; 260(4):2197-201

Effect of fasting on insulin receptor binding and insulin action in different human subcutaneous fat depots. Engfeldt P, et al. **J Clin Endocrinol Metab** 1985 May;60(5):868-73

Effect of carbohydrate supplementation on reproductive hormones during fasting in men. Kyung NH, et al. **J Clin Endocrinol Metab** 1985 May;60(5):827-35

Elevated production and metabolic clearance rates of androgens in morbidly obese women. Samojlik E, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):949-54

Evidence for alteration of the vitamin D-endocrine system in obese subjects. Bell NH, et al. **J Clin Invest** 1985 Jul; 76(1):370-3

Evidence for reduced thermic effect of insulin and glucose infusions in Pima Indians. Bogardus C, et al. **J Clin Invest** 1985 Apr;75(4):1264-9

Relationship between skeletal muscle insulin resistance, insulin-mediated glucose disposal, and insulin binding. Effects of obesity and body fat topography. Evans DJ, et al. **J Clin Invest** 1984 Oct;74(4):1515-25

Insulin receptors and insulin sensitivity in normo and hyperinsulinemic obese patients. Carducci Artenisio A, et al. **J Endocrinol Invest** 1985 Jun;8(3):233-9

Brain myelin of genetically obese mice. Sena A, et al. **J Neurol Sci** 1985 May;68(2-3):233-43

Protein turnover in insulin-treated, alloxan-diabetic lean and obese Zucker rats. Chan CP, et al. **J Nutr** 1985 Aug; 115(8):959-69

Effects of diet on norepinephrine turnover in obese (ob/ob) mice. Knehans AW, et al. **J Nutr** 1984 Nov;114(11):2080-8

Effect of caloric restriction during pregnancy on maternal and fetal body composition in the obese Sprague-Dawley rat. Reynolds LK, et al. **J Nutr** 1984 Dec;114(12):2247-55

Phenobarbital in the genetically obese Zucker rat. I. Pharmacokinetics after acute and chronic administration. Brouwer KL, et al. **J Pharmacol Exp Ther** 1984 Dec; 231(3):649-53

Glucose handling in morbid obesity and the effects of surgically induced weight loss. Dooner J, et al. **JPEN** 1984 Nov-Dec;8(6):660-4

The sodium pump and energy regulation: some new aspects for essential hypertension, diabetes II and severe overweight. Henningsen NC. **Klin Wochenschr** 1985;63 Suppl 3:4-8 (64 ref.)

Are pre-obese people energy thrifty? Garrow JS, et al. **Lancet** 1985 Mar 23;1(8430):670-1

Metabolic causes of obesity. Garrow JS. **Med J Aust** 1985 Apr 1;142(7 Suppl):S8-11

Metabolic effects of medium- or long-chain triglycerides and high-protein, carbohydrate-free diets in Zucker rats. Bach AC, et al. **Metabolism** 1984 Oct;33(10):951-8

Blunted norepinephrine responsiveness to changing energy states in obese subjects. Bazelmans J, et al. **Metabolism** 1985 Feb;34(2):154-60

Suppression of basal, but not of glucose-stimulated insulin secretion by human insulin in healthy and obese hyperinsulinemic subjects. Bratusch-Marrain PR, et al. **Metabolism** 1985 Feb;34(2):188-93

Alterations in cardiac composition with weight reduction in the obese rat. Crandall DL, et al. **Metabolism** 1985 May; 34(5):405-7

Dynamics of insulin hypersecretion by obese Zucker rats. Curry DL, et al. **Metabolism** 1985 Sep;34(9):791-6

Metabolic and hormonal factors as predictors of nitrogen retention in obese men consuming very low calorie diets. Fisler JS, et al. **Metabolism** 1985 Feb;34(2):101-5

Cholesterol homeostasis in lean and obese male Zucker rats. McNamara DJ. **Metabolism** 1985 Feb;34(2):130-5

Relationship between lipogenesis, ketogenesis, and malonyl-CoA content in isolated hepatocytes from the obese Zucker rat adapted to a high-fat diet. Malewiak MI, et al. **Metabolism** 1985 Jul;34(7):604-11

Glucose metabolism in isolated adipocytes from lean and obese Zucker rats following treatment with dehydroepiandrosterone. Muller S, et al. **Metabolism** 1985 Mar;34(3):278-84

The thermic effect of carbohydrate versus fat feeding in man. Schwartz RS, et al. **Metabolism** 1985 Mar;34(3):285-93

Changes in lipid metabolism in diet-induced obesity. Triscari J, et al. **Metabolism** 1985 Jun;34(6):580-7

Exercise training improves insulin sensitivity in the obese Zucker rat. Walberg JL, et al. **Metabolism** 1984 Dec; 33(12):1075-9

Reduced norepinephrine turnover in mice with monosodium glutamate-induced obesity. Yoshida T, et al. **Metabolism** 1984 Nov;33(11):1060-3

Calcium homeostasis in morbid obesity. Andersen T, et al. **Miner Electrolyte Metab** 1984;10(5):316-8

The experimental obesity by high-fat feeding--a model for evaluation of the biological value of fats. Goranov I, et al. **Nahrung** 1985;29(6):585-96

Some aspects of lipid metabolism in the liver of Wistar rats with fat diet-induced obesity. Haude W, et al. **Nahrung** 1985;29(6):567-76

Fatty acid composition of liver and adipose tissue lipids in Wistar rats with fat diet-induced obesity. Völcker CE, et al. **Nahrung** 1985;29(6):577-83

Defective renal prostaglandin synthesis in hypertensive patients with morbid obesity. Zawada ET Jr, et al. **Nephron** 1985;39(4):361-4

Alterations in metabolic rate after weight loss in obese humans. **Nutr Rev** 1985 Feb;43(2):41-2 (7 ref.)

Adipose tissue mobilization is unaffected by obesifying hypothalamic knife cuts. Jones AP, et al. **Physiol Behav** 1985 Jan;34(1):29-31

Hormonal and lipogenic and gluconeogenic enzymatic responses in LA/N-corpulent rats. Ellwood KC, et al. **Proc Soc Exp Biol Med** 1985 Jun;179(2):163-7

Maximal pancreatic beta-cell stimulation and the counter-regulatory hormonal responses in South African black and white obese subjects. Shires R, et al. **S Afr Med J** 1985 May 25;67(21):845-7

Endogenous histidyl-proline diketopiperazine [cyclo (His-Pro)]: a potential satiety neuropeptide in normal and genetically obese rodents. Wilber JF, et al. **Trans Assoc Am Physicians** 1983;96:131-6

[Structural and metabolic characteristics of brown adipose tissue in rats with congenital obesity] Drahota Z, et al. **Bratisl Lek Listy** 1985 Mar;83(3):209-17 (Eng. Abstr.) **(Cze)**

[Nuclear receptors for triiodothyronine in the leukocytes of patients with obesity and hypothyroidism] Felt V, et al. **Vnitr Lek** 1984 Dec;30(12):1186-90 (Eng. Abstr.) **(Cze)**

[Development of energy expenditure in the Zucker rat during the first week of life] Planche E, et al. **Reprod Nutr Dev** 1985;25(1B):321-7 (Eng. Abstr.) **(Fre)**

[Modifications in the oscillation of substrates in obese subjects subjected to variations in the pattern of meal-timing] Del Ponte A, et al. **Boll Soc Ital Biol Sper** 1984 Nov 30; 60(11):2099-104 (Eng. Abstr.) **(Ita)**

[Effect of metformin on the metabolic action of insulin in human adipose tissue 'in vitro' and 'in vivo'] Cigolini M, et al. **Minerva Endocrinol** 1984 Apr-Jun;9(2):283-6 (Eng. Abstr.) **(Ita)**

[Obesity, hyperlipidemia and cholelithiasis] Dederer IuM, et al. **Klin Med (Mosk)** 1984 Oct;62(10):14-8 (24 ref.) **(Rus)**

[Concentration of incompletely oxidized metabolites in the blood and urine of children with diabetes mellitus and obesity] Iusbova AM. **Pediatriia** 1984 Oct;(10):64-5 **(Rus)**

[Status and prospects for research on the effect of hormonal metabolic disorders on the immune state in obesity in children] Kravets EB. **Pediatriia** 1985 Jan;(1):59-61 (34 ref.) **(Rus)**

[Decrease in the hepatic degradation of insulin in obesity] Cano Rodriguez I, et al. **Rev Clin Esp** 1985 Jun;177(1):11-4 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

[Intestinal flora and jejunoileal bypass] Micheletto G, et al. **Minerva Chir** 1984 Oct 31;39(20):1415-20 **(Ita)**

MORTALITY

The practical effect of obesity on the insured life--relative risks associated with obesity and various disease states--'the imparied life'. Sankey K. **Postgrad Med J** 1984;60 Suppl 3:5-12

[Clinico-epidemiological study on obesity in relation to mortality figures. Twenty years follow-up results in Hisayama study] Shikata T. **Fukuoka Igaku Zasshi** 1984 May;75(5):252-70 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Reply to letter by Bradfield and Staehling. Anthropometric data for Mexican-American children [letter] Dewey KG. **Am J Clin Nutr** 1985 Mar;41(3):663

Two-decade follow-up of fatness in early childhood. Garn SM, et al. **Am J Dis Child** 1985 Feb;139(2):181-5

Modernization, migration and obesity among Samoan adults. Bindon JR, et al. **Ann Hum Biol** 1985 Jan-Feb;12(1):67-76

Obesity in women in an urban Trinidadian community. Prevalence and associated characteristics. Beckles GL, et al. **Int J Obes** 1985;9(2):127-35

Anthropometric measurements for Asian and Caucasian elderly. Netland PA, et al. **J Am Diet Assoc** 1985 Feb; 85(2):221-3

Medical and nutritional surveys in the Kingdom of Tonga: comparison of physiological and nutritional status of adult Tongans in urbanized (Kolofo-ou) and rural (Uiha) areas. Koike G, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Aug; 30(4):341-56

Obesity studies in Australia. De Luise MA. **Med J Aust** 1985 Apr 1;142(7 Suppl):S20-5

Life-style diseases in aborigines [letter] Phillips M, et al. **Med J Aust** 1985 Sep 2;143(5):218

Do we fatten our children at the television set? Obesity and television viewing in children and adolescents. Dietz WH Jr, et al. **Pediatrics** 1985 May;75(5):807-12

[Obesity in schoolchildren and various environmental factors] Wojdon-Machala H. **Rocz Panstw Zakl Hig** 1984; 35(2):145-52 (Eng. Abstr.) **(Pol)**

[Prevalence of obesity and related pathology in an active population] Banciu T, et al. **Rev Med Interna [Med Interna]** 1985 Jan-Feb;37(1):57-60 (Eng. Abstr.) **(Rum)**

[Prevalence of obesity among Novgorod schoolchildren in 1981-1982] Ural'skii VN. **Pediatriia** 1985 Apr;(4):47 **(Rus)**

[Obesity as a risk factor in the Belgrade population and methods of its prevention] Simić BS, et al. **Srp Arh Celok Lek** 1984 Apr;112(4):413-26 (Eng. Abstr.) **(Scr)**

PATHOLOGY

Effect of weight loss on cardiac chamber size, wall thickness and left ventricular function in morbid obesity. Alpert MA, et al. **Am J Cardiol** 1985 Mar 1;55(6):783-6

The heart in massive (more than 300 pounds or 136 kilograms) obesity: analysis of 12 patients studied at necropsy. Warnes CA, et al. **Am J Cardiol** 1984 Nov 1; 54(8):1087-91

Relationship between body weight and total leukocyte count in morbid obesity. Nanji AA, et al. **Am J Clin Pathol** 1985 Sep;84(3):346-7

Diet-dependent hyperplastic growth of adipose tissue in hypothalamic obese rats. Faust IM, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R1038-46

Dietary obesity and neonatal sympathectomy. I. Effects on body composition and brown adipose. Levin BE, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R979-87

Biphasic diameter distribution of adipocytes from lean and obese rats. Rogers KL, et al. **Growth** 1984 Autumn; 48(3):331-8

Liver in obesity. Braillon A, et al. **Gut** 1985 Feb;26(2):133-9

Morphological classifications of obesity: what they tell us, what they don't. Björntorp P. **Int J Obes** 1984;8(5):525-33 (26 ref.)

New techniques: cell culture analysis. Johnson PR, et al. **Int J Obes** 1984;8(5):591-7 (22 ref.)

Considerations on the dynamics of adipose cells in relation to ponderal variations: morphoquantitative aspects. Vizzotto L, et al. **Int J Tissue React** 1984;6(3):243-9

Adipocyte precursor cells in obese and nonobese humans. Pettersson P, et al. **Metabolism** 1985 Sep;34(9):808-12

[Role of adipocyte precursors in the initiation of nutritional obesity before weaning] Dugail I, et al. **Reprod Nutr Dev** 1985;25(1B):189-96 (Eng. Abstr.) **(Fre)**

[Morphologic study by scanning electron microscope of the mucosa of the functioning and excluded intestinal segments after jejunoileal bypass] Doldi SB, et al. **Minerva Chir** 1984 Oct 31;39(20):1399-404 **(Ita)**

[Ultrastructural study of cells of the functioning and excluded intestinal epithelium of morbid obesity patients subjected to a jejunoileal bypass] Doldi SB, et al. **Minerva Chir** 1984 Oct 31;39(20):1391-8 **(Ita)**

[Hepatic histology in morbid obesity patients before and after jejunoileal bypass] Lattuada E, et al. **Minerva Chir** 1984 Oct 31;39(20):1405-8 **(Ita)**

[Hepatic histology of morbid obesity patients after various types of jejunoileal bypass] Lattuada E, et al. **Minerva Chir** 1984 Oct 31;39(20):1409-13 **(Ita)**

[Macroscopic and microscopic evaluation of the adaptation of the functioning intestine and the excluded intestine after jejunoileal bypass] Lattuada E, et al. **Minerva Chir** 1984 Oct 31;39(20):1383-9 **(Ita)**

PHYSIOPATHOLOGY

Stomach distension in extremely obese and in normal subjects. Granström L, et al. **Acta Chir Scand** 1985; 151(4):367-70

Hypothalamic control of lipid metabolism. Schwandt P. **Acta Neurochir (Wien)** 1985;75(1-4):122-4

Thermic effect of food during graded exercise in normal weight and obese men. Segal KR, et al. **Am J Clin Nutr** 1984 Nov;40(5):995-1000

Thermic effect of feeding carbohydrate, fat, protein and mixed meal in lean and obese subjects. Swaminathan R, et al. **Am J Clin Nutr** 1985 Aug;42(2):177-81

Insulin resistance: receptor and post-binding defects in human obesity and non-insulin-dependent diabetes mellitus. Truglia JA, et al. **Am J Med** 1985 Aug 23; 79(2B):13-22 (98 ref.)

Maternal weight and pregnancy complications. Garbaciak JA Jr, et al. **Am J Obstet Gynecol** 1985 May 15; 152(2):238-45

Food restriction increases torpor and improves brown adipose tissue thermogenesis in ob/ob mice. Himms-Hagen J. **Am J Physiol** 1985 May;248(5 Pt 1):E531-9

Abnormal oral glucose tolerance in genetically obese (fa/fa) rats. Ionescu E, et al. **Am J Physiol** 1985 May;248(5 Pt 1):E500-6

Brown adipose and metabolic features of chronic diet-induced obesity. Levin BE, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):R717-23

Dietary obesity and neonatal sympathectomy. II. Thermoregulation and brown adipose metabolism. Levin BE, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R988-94

Left ventricular function of the isolated, genetically obese rat's heart. Paradise NF, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):H438-44

Regulation of sympathetic activity in lean and obese Zucker (fa/fa) rats. York DA, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E299-305

Effect of obesity on esophageal transit. Mercer CD, et al. **Am J Surg** 1985 Jan;149(1):177-81

Ventilatory regulation in eucapnic morbid obesity [letter] Barnett TB, et al. **Am Rev Respir Dis** 1984 Dec;130(6):118

Idiosyncracies of the Hollander test in the obese patient. Printen KJ. **Am Surg** 1985 Jun;51(6):316-7

Android (centralized) obesity and somatotypes in men association with mesomorphy. Mueller WH, et al. **Ann Hum Biol** 1985 Jul-Aug;12(4):377-81

Satiety effects of cholecystokinin and ceruletide in lean and obese man. Stacher G. **Ann NY Acad Sci** 1985;448:431-6

Influence of restricted food intake on brown adipose tissue function in genetically obese mice (genotype, ob/ob). Batt RA, et al. **Biochim Biophys Acta** 1985 Feb 15;838(2):229-35

No inotropic action of enkephalins or enkephalin derivatives on electrically-stimulated atria isolated from lean and obese rats. Saunders WS, et al. **Br J Pharmacol** 1985 Jun;85(2):513-22

Paraventricular nucleus lesions exaggerate dietary obesity but block photoperiod-induced weight gains and suspension of estrous cyclicity in Syrian hamsters. Bartness TJ, et al. **Brain Res Bull** 1985 May;14(5):427-30

Nutritional influences on dietary selection patterns of obese and lean Zucker rats. Castonguay TW, et al. **Brain Res Bull** 1985 Jun;14(6):625-31

Impaired diet-induced thermogenesis in brown adipose tissue from rats made obese with parasagittal hypothalamic knife-cuts. Coscina DV, et al. **Brain Res Bull** 1985 Jun;14(6):585-93

Brown fat thermogenesis and its role in the development of obesity. Moore BJ, et al. **Brain Res Bull** 1985 Jun;14(6):577-83

Patterns of hyperphagia in the Zucker obese rat: a role for fat cell size and number? Vasselli JR. **Brain Res Bull** 1985 Jun;14(6):633-41

Comparison of the metabolic and behavioral disturbances following paraventricular- and ventromedial-hypothalamic lesions. Weingarten HP, et al. **Brain Res Bull** 1985 Jun;14(6):551-9

Brown adipose tissue thermogenesis, energy balance, and obesity. Himms-Hagen J. **Can J Biochem Cell Biol** 1984 Jul;62(7):610-7 (123 ref.)

Pancreatic growth and enzyme profiles in weanling rats with normophagic hypothalamic obesity. Bernardis LL, et al. **Can J Physiol Pharmacol** 1984 Dec;62(12):1533-8

Noninvasive study of left ventricular performance in obese patients: influence of duration of obesity. Nakajima T, et al. **Circulation** 1985 Mar;71(3):481-6

Endocrinological aspects of obesity. Jung R. **Clin Endocrinol Metab** 1984 Nov;13(3):597-612 (64 ref.)

Regulation of food intake in human obesity: studies with caloric dilution and exercise. Porikos KP, et al. **Clin Endocrinol Metab** 1984 Nov;13(3):547-61 (63 ref.)

Maximal work capacity in prepubescent obese and nonobese females. DeMeersman RE, et al. **Clin Pediatr (Phila)** 1985 Apr;24(4):199-200

Thermogenesis in human obesity. Pi-Sunyer FX. **Curr Concepts Nutr** 1984;13:87-102 (88 ref.)

Continuities and changes in fatness from infancy through adulthood. Garn SM. **Curr Probl Pediatr** 1985 Feb;15(2):1-47 (47 ref.)

The enteric enhancement of glucose-stimulated insulin release. The role of GIP in aging, obesity, and non-insulin-dependent diabetes mellitus. Elahi D, et al. **Diabetes** 1984 Oct;33(10):950-7

Effect of low-dose somatostatin infusion on pancreatic and gastric endocrine function in lean and obese nondiabetic human subjects. Schusdziarra V, et al. **Diabetes** 1985 Jun;34(6):595-601

Insulin resistance in the heart: studies on isolated cardiocytes of genetically obese Zucker rats. Eckel J, et al. **Endocrinology** 1985 Apr;116(4):1529-34

Food-induced thermogenesis in obese children. Molnár D, et al. **Eur J Pediatr** 1985 May;144(1):27-31

Effect of adrenalectomy on brown adipose tissue of obese (ob/ob) mice. Holt SJ, et al. **Horm Metab Res** 1984 Jul;16(7):378-9

Novel approaches and drugs for obesity. Proceedings of a satellite symposium to the Fourth International Congress on Obesity. New York, USA, 3-5 October 1983. **Int J Obes** 1984;8 Suppl 1:1-248

Hypothalamic and genetic obesity: an appraisal of the autonomic hypothesis and the endocrine hypothesis. Bray GA. **Int J Obes** 1984;8 Suppl 1:119-37 (192 ref.)

Anorectic potency of inhibiting GABA transaminase in brain: studies of hypothalamic, dietary and genetic obesities. Coscina DV, et al. **Int J Obes** 1984;8 Suppl 1:191-200

Assessment of methods for assigning treadmill exercise workloads for lean and obese women. Farrell PA, et al. **Int J Obes** 1985;9(1):49-58

Regulation of thermogenesis in obesity. Levin BE, et al. **Int J Obes** 1984;8 Suppl 1:159-80 (131 ref.)

Adipose tissue characteristics of ex-obese long-distance runners. Tremblay A, et al. **Int J Obes** 1984;8(6):641-8

Thermogenesis and weight control. Yen TT, et al. **Int J Obes** 1984;8 Suppl 1:65-78

Pharyngeal resistance in normal humans: influence of gender, age, and obesity. White DP, et al. **J Appl Physiol** 1985 Feb;58(2):365-71

Hyperinsulinemia. A link between hypertension obesity and glucose intolerance. Modan M, et al. **J Clin Invest** 1985 Mar;75(3):809-17

Obesity, alcohol consumption and blood pressure in Australian men and women. The National Heart Foundation of Australia Risk Factor Prevalence Study. MacMahon SW, et al. **J Hypertens** 1984 Feb;2(1):85-91

Decreased prolactin secretion in childhood obesity. AvRuskin TW, et al. **J Pediatr** 1985 Mar;106(3):373-8

Effect of diet and controlled exercise on weight loss in obese children. Epstein LH, et al. **J Pediatr** 1985 Sep;107(3):358-61

Maximal oxygen uptake of obese middle-aged women related to body composition and total body potassium. Atomi Y, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):212-8

Comparison of weight reduction with metoprolol in treatment of hypertension in young overweight patients. MacMahon SW, et al. **Lancet** 1985 Jun 1;1(8440):1233-6

Impaired activation of thermogenesis in the corpulent rat. Tulp OL. **Life Sci** 1984 Oct 15;35(16):1699-704

Genetically obese C57BL/6 ob/ob mice respond normally to sympathomimetic compounds. Wilson S, et al. **Life Sci** 1984 Sep 17;35(12):1301-9

Defective thermoregulatory thermogenesis in monosodium glutamate-induced obesity in mice. Moss D, et al. **Metabolism** 1985 Jul;34(7):626-30

Impaired growth hormone responses to growth hormone-releasing factor in obesity [letter] **N Engl J Med** 1985 May 16;312(20):1326-7

Thermogenesis in brown adipose tissue as an energy buffer. Implications for obesity. Himms-Hagen J. **N Engl J Med** 1984 Dec 13;311(24):1549-58 (99 ref.)

Impaired growth hormone responses to growth hormone-releasing factor in obesity. A pituitary defect reversed with weight reduction. Williams T, et al. **N Engl J Med** 1984 Nov 29;311(22):1403-7

Effect of naloxone on food consumption in obesity [letter] Wolkowitz OM, et al. **N Engl J Med** 1985 Aug 1;313(5):327

Insulin receptor tyrosine kinase is defective in skeletal muscle of insulin-resistant obese mice. Le Marchand-Brustel Y, et al. **Nature** 1985 Jun 20-26;315(6021):676-9

Fatness, menarche, and female fertility. Frisch RE. **Perspect Biol Med** 1985 Summer;28(4):611-33

Serotonin-depleting midbrain lesions fail to mitigate hyperphagia and obesity in the Zucker fatty rat. Coscina DV, et al. **Physiol Behav** 1985 Jan;34(1):107-14

Effects of serotonin-depleting midbrain lesions on the defense of hypothalamic obesity. Coscina DV, et al. **Physiol Behav** 1984 Oct;33(4):575-9

Feeding behavior responses of Zucker rats to naloxone. McLaughlin CL, et al. **Physiol Behav** 1984 May;32(5):755-61

Decreased food intakes and body weights in rats immunized against pancreatic glucagon. McLaughlin CL, et al. **Physiol Behav** 1984 Nov;33(5):723-7

Electrolytic current parameters in the dorsolateral tegmental obesity syndrome in rats. Peters RH, et al. **Physiol Behav** 1985 Jan;34(1):57-60

Sensitivity to satiating and taste qualities of glucose in obese Zucker rats. Young JK, et al. **Physiol Behav** 1985 Mar;34(3):415-21

Chronic administration of dehydroepiandrosterone reduces pancreatic beta-cell hyperplasia and hyperinsulinemia in genetically obese Zucker rats. Gansler TS, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):155-62

[The significance of adipose tissue distribution for the relationship between obesity and disease] Deurenberg P, et al. **Ned Tijdschr Geneeskd** 1984 Oct 20;128(42):1995-8 **(Dut)**

[Insulin resistance. Physiopathological and biochemical aspects] Freychet P. **Ann Endocrinol (Paris)** 1984;45(2):107-14 (Eng. Abstr.) **(Fre)**

[Effect of cold adaptation on the feeding behavior of genetically obese Zucker rats] Bertin R, et al. **J Physiol (Paris)** 1984;79(5):361-4 (Eng. Abstr.) **(Fre)**

[Obesity and the adipose tissue] Björntorp P, et al. **Journ Annu Diabetol Hotel Dieu** 1984;45-9 (14 ref.) **(Fre)**

[Dysfunctions of the existing axis between the central nervous system and the endocrine pancreas in experimental and genetic obesity in the rodent] Jeanrenaud B, et al. **Journ Annu Diabetol Hotel Dieu** 1984;39-44 (20 ref.) **(Fre)**

[Obesity as a health risk. New aspects on pathophysiology] Kather H. **Internist (Berlin)** 1985 Jul;26(7):429-35 **(Ger)**

[Lung function disorders in obesity] Wuthe H. **Z Erkr Atmungsorgane** 1984;163(3):217-28 (Eng. Abstr.) **(Ger)**

[Circadian rhythm oscillations in body temperature, serum cortisol, prolactin and TSH in obese patients subjected to a change in meal-timing] Guagnano MT, et al. **Boll Soc Ital Biol Sper** 1984 Sep 30;60(9):1697-702 (Eng. Abstr.) **(Ita)**

[Neuropeptides and body weight: physiopathologic bases and therapeutic prospectives] Jacobelli A, et al. **Clin Ter** 1985 Feb 28;112(4):369-76 (15 ref.) (Eng. Abstr.) **(Ita)**

[Relations between brown fat, thermogenesis and obesity] Chiossi FM, et al. **Minerva Pediatr** 1984 Sep 30;36(18):873-82 (Eng. Abstr.) **(Ita)**

[Hypertension in obesity] Skórka B, et al. **Pol Tyg Lek** 1984 Apr 9;39(15):513-7 (60 ref.) **(Pol)**

[Various hormonal disorders in obesity] Szurkowski M, et al. **Pol Tyg Lek** 1984 Dec 3;39(49):1625-8 (38 ref.) **(Pol)**

[Effect of excess fat in the body on the physical work capacity of students] Iurimiae TA, et al. **Fiziol Cheloveka** 1984 May-Jun;10(3):440-4 **(Rus)**

[Effect of motor activity on the physical work capacity of schoolchildren with excessive body weight] Abrosimova LI, et al. **Gig Sanit** 1984 Aug;(8):29-32 (Eng. Abstr.) **(Rus)**

[Characteristics of the anesthesia and postoperative management of patients with concomitant obesity] Chepkii LP, et al. **Klin Khir** 1984 Dec;(12):10-2 (Eng. Abstr.) **(Rus)**

[Characteristic features of the hormonal status of patients with exogenous constitutional obesity before and after nalorphine administration] Spesivtseva VG, et al. **Med Radiol (Mosk)** 1984 Nov;29(11):40-4 **(Rus)**

[Functional state of the cardiovascular system, the vegetative status and lipoprotein spectrum of blood serum in obese children] Lebed'kova SE, et al. **Pediatriia** 1985 Feb;(2):20-2 (Eng. Abstr.) **(Rus)**

[Blood circulation in children and adolescents with exogenous obesity at rest and during physical exercise] Vul'fson IN, et al. **Pediatriia** 1985 Feb;(2):22-5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Mechanisms of action of mazindol in preventing onset and development of obesity induced by gold thioglucose injection. Kawano-Takahashi Y, et al. **Int J Obes** 1984;8(6):655-64

Obesity in school children: is there a case for screening? Peckham C, et al. **Public Health** 1985 Jan;99(1):3-9

[Obesity in infancy and early childhood] Kunze D. **Off Gesundheitswes** 1984 Sep;46(9):481-2 **(Ger)**

[Obesity as a current social problem] Beiul EA, et al. **Ter Arkh** 1984;56(11):106-9 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Cognitive processing differences between obese and nonobese subjects. Conforto RM, et al. **Addict Behav** 1985;10(1):83-5

Carbohydrate's effect on hunger and obesity: commentary on Geiselman and Novin (1982). Geary N. **Appetite** 1985 Mar;6(1):60-3

Appetite, hunger and obesity as a function of dietary sugar intake: can these effects be mediated by insulin-induced hypoglycemia? A reply to commentaries. Geiselman PJ. **Appetite** 1985 Mar;6(1):64-79

Contributions of obesity, gender, hunger, food preference, and body size to bite size, bite speed, and rate of eating. Hill SW, et al. **Appetite** 1984 Jun;5(2):73-83

Dietary fat intake and taste responses to fat in milk by under-, normal, and overweight women. Pangborn RM, et al. **Appetite** 1985 Mar;6(1):25-40

Carbohydrate ingestion, hypoglycemia, and obesity. Vasselli JR. **Appetite** 1985 Mar;6(1):53-9

Weight change and psychological state in obese women. Weighill VE, et al. **Appetite** 1984 Jun;5(2):95-102

Eating style and food storage habits in the home. Assessment of obese and nonobese families. Terry K, et al. **Behav Modif** 1985 Apr;9(2):242-61

Leftovers, body weight and sex of eater. LeBow MD, et al. **Behav Res Ther** 1985;23(2):217

Restraint, obesity and bulimia. Ruderman AJ. **Behav Res Ther** 1985;23(2):151-6

Eating disorders: too little or too much [editorial] Kaye WH. **Biol Psychiatry** 1985 Mar;20(3):233-4

Weight loss maintenance as an aspect of family emotion and process. Fischmann-Havstad L, et al. **Br J Clin Psychol** 1984 Nov;23 (Pt 4):265-71

Adolescent obesity. Wharton R, et al. **Child Today** 1984 Nov-Dec;13(6):12-5

Behavioral, psychological, and environmental predictors of obesity and success at weight reduction. Brownell KD. **Int J Obes** 1984;8(5):543-50 (35 ref.)

External responsiveness to food and non-food cues among obese and non-obese children. Sobhany MS, et al. **Int J Obes** 1985;9(2):99-106

Australian 10-year-olds' perceptions of food. III. The influence of obesity status. Worsley A, et al. **Int J Obes** 1984;8(4):327-40

Obesity. Orr J. **J Adv Nurs** 1985 Jan;10(1):71-8

Self-concept in obese and normal-weight children. Wadden TA, et al. **J Consult Clin Psychol** 1984 Dec;52(6):1104-5

Psychopathology of eating disorders: a controlled comparison of bulimic, obese, and normal subjects. Williamson DA, et al. **J Consult Clin Psychol** 1985 Apr;53(2):161-6

Social factors associated with adolescent obesity. Baum CG, et al. **J Pediatr Psychol** 1984 Sep;9(3):293-302

The Goldfarb Fear of Fat Scale. Goldfarb LA, et al. **J Pers Assess** 1985 Jun;49(3):329-32

Obesity and post-operative pain. Rand CS, et al. **J Psychosom Res** 1985;29(1):43-8

Emotions and obesity among Mexican-American children. Gunn B. **J Sch Health** 1985 Mar;55(3):113-5

The self-image of overweight adolescent females: a review of the literature. Hoover ML. **Matern Child Nurs J** 1984 Summer;13(2):125-37

Meal patterns and food selection during the development of obesity in rats fed a cafeteria diet. Rogers PJ, et al. **Neurosci Biobehav Rev** 1984 Winter;8(4):441-53

Obesity as a variable affecting performance on the rod and frame test. Thomason JA. **Percept Mot Skills** 1984 Oct;59(2):476-8

Feeding behavior during experimentally induced obesity in monkeys. Jen KL, et al. **Physiol Behav** 1984 Dec;33(6):863-9

Sensory versus dietary factors in cafeteria-induced overweight. Louis-Sylvestre J, et al. **Physiol Behav** 1984

Jun;32(6):901-5

Food intake during tumor growth: anorexia in genetically obese ob/ob mice and hyperphagia in lean mice. Thompson CI, et al. **Physiol Behav** 1984 Jun;32(6):935-9

[Eating behavior and obesity] Cairella M, et al. **Clin Ter** 1984 Dec 15;111(5):457-69 **(Ita)**

RADIOGRAPHY

[False mass of the thoracic wall in obese adolescent girls] Cleveland RH, et al. **J Radiol** 1985 Mar;66(3):215-7 (Eng. Abstr.) **(Fre)**

REHABILITATION

[Psychotherapy in the rehabilitation system for patients with the nutritional-constitutional form of obesity] Kreslavskiĭ ES, et al. **Ter Arkh** 1984;56(10):104-7 **(Rus)**

SURGERY

Surgery for obesity. An overview. Halpern NB. **Ala J Med Sci** 1985 Jan;22(1):53-7 (31 ref.)

Experimental evaluation of gastric banding for treatment of morbid obesity in pigs. Coelho JC, et al. **Am J Surg** 1985 Feb;149(2):228-31

Prospective hematologic evaluation of gastric exclusion surgery for morbid obesity. Amaral JF, et al. **Ann Surg** 1985 Feb;201(2):186-93

The helical opening in suction cannulas for lipolysis [letter] Drever JM. **Plast Reconstr Surg** 1985 Mar;75(3):442-3

Gastric restrictive surgery for obesity: early radiologic evaluation. Smith C, et al. **Radiology** 1984 Nov;153(2):321-7

Plasma levels of neurotensin in gastroplasty for morbid obesity. Miskowiak J, et al. **Regul Pept** 1984 Nov;9(4):263-9

THERAPY

The significance of gastric pouch size and emptying time for results of gastric surgery for massive obesity. Backman L, et al. **Acta Chir Scand** 1984;150(7):549-55

Long-term results of jejunoileostomy for extreme obesity. Góral R, et al. **Acta Chir Scand** 1985;151(2):151-8

A method for measuring the size of the gastric outlet in obesity surgery. Näslund I. **Acta Chir Scand** 1984;150(5):399-404

Reduced intestinal permeability to low-molecular-weight polyethyleneglycols (PEG 400) in patients with jejunoileal bypass. Sundqvist T, et al. **Acta Chir Scand** 1984;150(7):567-71

Experiences with antireflux valves in jejunoileal bypass surgery. Wiklund B, et al. **Acta Chir Scand** 1985;151(2):159-62

Serum lipid changes after gastroplasty for morbid obesity. Ranløv PJ. **Acta Med Scand** 1984;216(5):503-8

The relationship between QTc changes and nutrition during weight loss after gastroplasty. Rasmussen LH, et al. **Acta Med Scand** 1985;217(3):271-5

Morbid obesity, gastric plication and a severe neurological deficit. Somer H, et al. **Acta Med Scand** 1985;217(5):575-6

Minimal interventions for weight control: a cost-effective alternative. Black DR, et al. **Addict Behav** 1984;9(3):279-85

Winners revisited: an 18-month follow-up of our successful weight losers. Colvin RH, et al. **Addict Behav** 1984;9(3):305-6

Behavioral treatment of obesity with monetary contracting: two-year follow-up. Jeffery RW, et al. **Addict Behav** 1984;9(3):311-3

Assessing generalization of treatment effects and self-efficacy in the modification of eating styles in obese children. Overholser J, et al. **Addict Behav** 1985;10(2):145-52

Variables related to continuance in a behavioral weight loss program. Pekarik G, et al. **Addict Behav** 1984;9(4):413-6

A summer day camp approach to adolescent weight loss. Southam MA, et al. **Adolescence** 1984 Winter;19(76):855-68

Complications of gastric partitioning for morbid obesity. Bass J, et al. **Adv Surg** 1984;18:223-55 (95 ref.)

Radiographic evaluation of the Garren gastric bubble. Edell SL, et al. **AJR** 1985 Jul;145(1):49-50

Effects of weight reduction after gastroplasty on glucose and lipid metabolism. Olsson SA, et al. **Am J Clin Nutr** 1984 Dec;40(6):1273-80

What is behavior therapy? A very short description of behavioral weight control. Stunkard AJ, et al. **Am J Clin Nutr** 1985 Apr;41(4):821-3

Recommended therapeutic guidelines for professional weight control programs. Weinsier RL, et al. **Am J Clin Nutr** 1984 Oct;40(4):865-72

Late effects of gastric bypass for obesity. Crowley LV, et al. **Am J Gastroenterol** 1984 Nov;79(11):850-60

Weight reduction at the work site: a promise partially fulfilled. Brownell KD, et al. **Am J Psychiatry** 1985 Jan;142(1):47-52

Bulimia with self-induced vomiting after gastric stapling [letter] Mitchell JE. **Am J Psychiatry** 1985 May;142(5):656

A simple technique of correcting complete gastric obstruction after gastric partitioning. Anthone S, et al. **Am J Surg** 1985 Aug;150(2):277-8

The bypassed stomach. Flickinger EG, et al. **Am J Surg** 1985 Jan;149(1):151-6

Influence of gastric banding on stomach blood supply with or without concurrent splenectomy. Skarstein A, et al. **Am J Surg** 1985 Mar;149(3):351-6

Morbid obesity. Second gastric operations for poor weight loss. Buckwalter JA, et al. **Am Surg** 1985 Apr;51(4):208-11

Greater curvature gastroplasty. Follow-up at 34 months. Martin MB, et al. **Am Surg** 1985 Apr;51(4):197-200

Long-term results of jejunoileal bypass in the young. Organ CH Jr, et al. **Am Surg** 1984 Nov;50(11):589-93

Vertical banded gastroplasty: operation for morbid obesity [letter] Beggs D, et al. **Ann R Coll Surg Engl** 1985 Mar;67(2):134-5

Vertical banded gastroplasty: operation for morbid obesity. Harrison RA, et al. **Ann R Coll Surg Engl** 1984 Sep;66(5):346-7

Circulating immune complexes containing secretory IgA in jejunoileal bypass disease. Clegg DO, et al. **Ann Rheum Dis** 1985 Apr;44(4):239-44

Intraoperative ultrasonography evaluation of the gallbladder in morbidly obese patients. Herbst CA, et al. **Ann Surg** 1984 Dec;200(6):691-2

Endoscopy of the partitioned stomach. Strodel WE, et al. **Ann Surg** 1984 Nov;200(5):582-6

Ethical considerations in gastric surgery for morbid obesity. Marshall RD. **Aust Clin Rev** 1984 Jun;(13):27-9

A pitfall with the EEA stapler in vertical banded gastroplasty. McMullin ND, et al. **Aust NZ J Surg** 1984 Oct;54(5):485-7

Jaw wiring in the treatment of morbid obesity. Ramsey-Stewart G, et al. **Aust NZ J Surg** 1985 Apr;55(2):163-7

Gastroplasty with reinforced greater curve stoma for morbid obesity. Ramsey-Stewart G. **Aust NZ J Surg** 1985 Apr;55(2):169-76

Spouse involvement and a possible long-term follow-up trap in weight loss. Black DR, et al. **Behav Res Ther** 1984;22(5):557-62

Group composition in the treatment of obesity: does increasing group homogeneity improve treatment results? Jeffery RW, et al. **Behav Res Ther** 1985;23(3):371-3

A 13-year review of jejunoileal bypass. McFarland RJ, et al. **Br J Surg** 1985 Feb;72(2):81-7

Long term treatment of severe obesity: four year follow up of results of combined behavioural modification programme. Björvell H, et al. **Br Med J [Clin Res]** 1985 Aug 10;291(6492):379-82

Treatment of obesity: the constraints on success. James WP. **Clin Endocrinol Metab** 1984 Nov;13(3):635-59 (44 ref.)

Amikacin pharmacokinetics in morbidly obese patients undergoing gastric-bypass surgery. Blouin RA, et al. **Clin Pharm** 1985 Jan-Feb;4(1):70-2

The surgical treatment of morbid obesity. Carey LC, et al. **Curr Probl Surg** 1984 Oct;21(10):1-78 (369 ref.)

Effect of chronic exercise on certain aspects of hormonal function in obesity. Komorowski JM, et al. **Endokrynol Pol** 1984;35(3):157-63

Endoscopic diathermy incision in the treatment of stoma obstruction after gastroplasty for obesity. Frøyen J, et al. **Endoscopy** 1985 May;17(3):91-3

Effects of potassium supplementation on insulin binding and insulin action in human obesity: protein-modified fast and refeeding. Norbiato G, et al. **Eur J Clin Invest** 1984 Dec;14(6):414-9

Perspectives on gastrointestinal surgery for treatment of morbid obesity: the lesson learned. Adibi SA, et al. **Gastroenterology** 1984 Dec;87(6):1381-91 (65 ref.)

A pilot study of medication and group therapy for obesity in a group of physicians. Bess BE, et al. **Hillside J Clin Psychiatry** 1984;6(2):171-87

Growth of the foetus and infant following maternal jejuno-ileal bypass for obesity: a case report. Brooke OG, et al. **Hum Nutr Appl Nutr** 1984 Aug;38(4):308-10

Relationship between weight reduction and state of malabsorption after jejunoileal bypass for excessive obesity. Werner I, et al. **Hum Nutr Appl Nutr** 1985 Apr;39(2):95-100

Current status of bariatric surgery. Arata JE, et al. **Indiana Med** 1984 Aug;77(8):600-3

Hypnotizability as a factor in the hypnotic treatment of obesity. Andersen MS. **Int J Clin Exp Hypn** 1985 Apr;33(2):150-9

Estimates of hypnotizability: standard group scale versus subjective impression in clinical populations. Jupp JJ, et al. **Int J Clin Exp Hypn** 1985 Apr;33(2):140-9

Long-term outcome after jejunoileal bypass for morbid obesity. Mustajoki P, et al. **Int J Obes** 1984;8(4):319-25

Oral L-carnitine administration after jejunoileal by-pass surgery. Seccombe D, et al. **Int J Obes** 1984;8(5):427-33

Thrombocytopenia as an epiphenomenon to excessive weight loss after gastric operation (bypass, gastroplasty). Dvilansky A, et al. **Int J Tissue React** 1984;6(5):443-4

Simultaneous replacement of a failed jejunoileal bypass with a gastric bypass. Charuzi I, et al. **Isr J Med Sci** 1984 Dec;20(12):1183-5

Weight reduction methods of college women. Arrington R, et al. **J Am Diet Assoc** 1985 Apr;85(4):483-4

Gastric reduction surgery: a dietitian's experience and perspective. Priddy ML. **J Am Diet Assoc** 1985 Apr;85(4):455-9

Parent involvement in a treatment program for obese retarded adults. Fox RA, et al. **J Behav Ther Exp Psychiatry** 1985 Mar;16(1):45-8

Examination of the excluded distal stomach after gastric bypass for obesity. Rankin RN, et al. **J Can Assoc Radiol** 1985 Jun;36(2):146-7

Influence of bariatric surgery on erythromycin absorption. Prince RA, et al. **J Clin Pharmacol** 1984 Nov-Dec;24(11-12):523-7

Effectiveness of hypnosis as an adjunct to behavioral weight management. Bolocofsky DN, et al. **J Clin Psychol** 1985 Jan;41(1):35-41

Metabolic consequences of dieting and exercise in the treatment of obesity. Donahoe CP Jr, et al. **J Consult Clin Psychol** 1984 Oct;52(5):827-36

Peer-led program for the treatment and prevention of obesity in the schools. Foster GD, et al. **J Consult Clin Psychol** 1985 Aug;53(4):538-40

Effect of self-efficacy on dropout from obesity treatment. Mitchell C, et al. **J Consult Clin Psychol** 1984 Dec;52(6):1100-1

Three-year experience with gastric stapling for morbid obesity. Brolin RE, et al. **J Med Soc NJ** 1985 Feb;82(2):127-33

Treatment of 300 consecutive morbid obesity patients with gastric bypass. Farmer CE, et al. **J Miss State Med Assoc** 1984 Dec;25(12):321-3

A nutrition-physical fitness intervention program for low-income black parents. Sullivan J, et al. **J Natl Med Assoc** 1985 Jan;77(1):39-43

Mood changes associated with behavioral treatment of obesity [letter] Wadden TA. **J Psychosom Res** 1984;28(4):345-6

Surgical treatment of morbid obesity [editorial] Harrison RA, et al. **J R Soc Med** 1984 Sep;77(9):725-7

Weight control in adolescent girls: a comparison of the effectiveness of three approaches to follow-up. DeWolfe JA, et al. **J Sch Health** 1984 Oct;54(9):347-9

A new contraindication for obesity surgery [letter] Pomerantz MA. **JAMA** 1985 Jan 4;253(1):44

Neurologic deficit following gastric partitioning: possible role of thiamine. Villar HV, et al. **JPEN** 1984 Sep-Oct;8(5):575-8

Behavioural management of obesity. Stunkard AJ. **Med J Aust** 1985 Apr 1;142(7 Suppl):S13-20

Gastric operations for obesity. **Med Lett Drugs Ther** 1984 Dec 21;26(677):113-5

Cholesterol precursors and their diurnal rhythm in lipoproteins of patients with jejuno-ileal bypass and ileal dysfunction. Miettinen TA. **Metabolism** 1985 May;34(5):425-30

The assessment of improved physiologic function with a short term exercise program in mildly to moderately obese people. South-Paul JE, et al. **Milit Med** 1985 Mar;150(3):135-7

Megaloblastic anemia with oral lesions: a consequence of gastric bypass surgery. Drummond JF, et al. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):149-53

Childhood obesity. Epstein LH, et al. **Pediatr Clin North Am** 1985 Apr;32(2):363-79 (41 ref.)

Absorption of oral penicillin before and after gastroplasty for morbid obesity. Miskowiak J, et al. **Pharmacology** 1985;31(2):115-20

Variation in postoperative analgesic requirements in the morbidly obese following gastric bypass surgery. Bennett R, et al. **Pharmacotherapy** 1982 Jan-Feb;2(1):50-3

Space-age snake oil. Obesity and consumer fraud. Fitzgerald FT. **Postgrad Med** 1985 Sep 1;78(3):231-3, 236, 240

Behaviour modification and exercise in the treatment of obesity. Blundell JE. **Postgrad Med J** 1984;60 Suppl 3:37-49

The surgical treatment of obesity. Wastell C. **Postgrad Med J** 1984;60 Suppl 3:27-36

Childhood and adolescent obesity: progress in behavioral assessment and treatment. Wells KC, et al. **Prog Behav Modif** 1985;19:145-76

Prediction of successful weight management from personality and demographic data. Bolocofsky DN, et al. **Psychol Rep** 1984 Dec;55(3):795-802

Influence of age and body proportions on weight loss of obese women after treatment. McCabe MP, et al. **Psychol Rep** 1985 Jun;56(3):707-10

Psychotherapy as an adjunct to supervised fasting for obesity. Fawzy FI, et al. **Psychosomatics** 1984 Nov;25(11):821-9

Morbid obesity treated by gastroplasty: radionuclide gastric emptying studies. Arnstein NB, et al. **Radiology** 1985 Aug;156(2):501-4

Effects of a gastric partitioning operation for morbid obesity on the secretion of gastric inhibitory polypeptide and pancreatic polypeptide. Amland PF, et al. **Scand J Gastroenterol** 1984 Sep;19(6):857-61

Treatment with high-dose oral vitamin D2 in patients with jejunoileal bypass for morbid obesity. Effects on calcium and magnesium metabolism, vitamin D metabolites, and faecal lag time. Charles P, et al. **Scand J Gastroenterol** 1984 Nov;19(8):1031-8

The influence of jejunoileal ratio on plasma electrolytes and liver function in intestinal bypass for morbid obesity. A randomized trial. Håkansson T, et al. **Scand J Gastroenterol** 1985 Mar;20(2):179-82

Gastric emptying of liquid before and after gastroplasty for morbid obesity. Miskowiak J, et al. **Scand J Gastroenterol** 1985 Jun;20(5):583-8

Gastroplasty as a treatment for massive obesity. A clinical and biochemical evaluation. Olsson SA, et al. **Scand J Gastroenterol** 1985 Mar;20(2):215-21

Faecal steroids after jejunoileal bypass with 3:1 or 1:3 jejunoileal ratio. Sørensen TI, et al. **Scand J Gastroenterol** 1985 Mar;20(2):205-8

The effect of gastric bypass operation on glucose tolerance in obesity. Schrumpf E, et al.

Scand J Gastroenterol [Suppl] 1985;107:24-31

Complications requiring operative intervention after gastric bariatric surgery. Fakhry SM, et al. **South Med J** 1985 May; 78(5):536-8

Gastroplasty in morbid obesity: observations in 300 patients. Shamblin JR, et al. **South Med J** 1985 Sep;78(9):1036-9, 1056

Hydrostatic balloon dilatation for stomal stenosis after gastric partitioning. Eckhauser FE, et al. **Surg Gastroenterol** 1984; 3(1):43-50

Reversal of jejunoileal bypass. Buckwalter JA, et al. **Surg Gynecol Obstet** 1984 Oct;159(4):348-52

Laboratory evaluation of four techniques of stapled gastroplasty. Brolin RE. **Surgery** 1985 Jan;97(1):66-71

The effect of surgical weight reduction on sleep quality in obesity-related sleep apnea syndrome. Charuzi I, et al. **Surgery** 1985 May;97(5):535-8

Gastritis after gastric bypass surgery. McCarthy HB, et al. **Surgery** 1985 Jul;98(1):68-71

Searching for the best weight reduction operation. Rucker RD Jr, et al. **Surgery** 1984 Oct;96(4):624-31

The effects of reversal of jejunoileal bypass operations on hepatic triglyceride content and hepatic morphology. Styblo T, et al. **Surgery** 1984 Oct;96(4):632-41

Management of obesity. Cooper JN, et al. **Va Med** 1984 Jul; 111(7):384-9

Carcinoma as a possible complication of jejunoileal bypass operation [letter] Voss S, et al. **West J Med** 1984 Nov; 141(5):686-7

[Pathological obesity and the possibilities for its surgical treatment] Todorov T. **Khirurgiia (Sofiia)** 1985;38(1):37-42 (23 ref.) **(Bul)**

[Obesity in the preschool age] Hövels O, et al. **Cesk Pediatr** 1984 Jul;39(7):392-9 (Eng. Abstr.) **(Cze)**

[The liver in untreated and treated obesity] Andersen T, et al. **Ugeskr Laeger** 1984 Oct 1;146(40):3011-4 (Eng. Abstr.) **(Dan)**

[Treatment and prevention of obesity. How should we assign the roles?] Quaade F, et al. **Ugeskr Laeger** 1984 Oct 1; 146(40):3008-11 (Eng. Abstr.) **(Dan)**

[Skin complications of mesotherapy (2 cases)] Guillaume JC, et al. **Ann Dermatol Venereol** 1984;111(8):701-2 **(Fre)**

[Gastric bypass in the treatment of major obesity. 15 cases] Lorcy Y, et al. **Presse Med** 1984 Nov 17;13(41):2489-92 (Eng. Abstr.) **(Fre)**

[Metabolic disorders following stomach bypass operations for extreme obesity. Animal experiment study] Breucha G, et al. **Helv Chir Acta** 1985 Jan;51(6):715-20 (Eng. Abstr.) **(Ger)**

[Long-term effects of attribution therapy of obese patients: effects of attribution training on successful weight reduction and the dropout rate in a 23-week weight reduction program] Haisch J, et al. **Psychother Psychosom Med Psychol** 1985 May;35(5):133-40 (Eng. Abstr.) **(Ger)**

[Osteopenia caused by metabolic changes following jejuno-ileal bypass for obesity] Prikazská M, et al. **Radiol Diagn (Berl)** 1984;25(5):563-8 (Eng. Abstr.) **(Ger)**

[Adaptational changes in the gastrointestinal tract following jejuno-ileal bypass for obesity] Prikazská M, et al. **Radiol Diagn (Berl)** 1984;25(5):555-62 (Eng. Abstr.) **(Ger)**

[Ambulatory weight reduction program and possible effects on lipid and purine metabolism] Hugk D, et al. **Z Gesamte Inn Med** 1985 Feb 15;40(4):126-9 (Eng. Abstr.) **(Ger)**

[Kolle's gastroplasty in the surgical treatment of extreme obesity. Preliminary report] Góral R, et al. **Zentralbl Chir** 1984;109(23):1518-21 **(Ger)**

[Comparison of gastric bypass and gastroplasty for morbid obesity] Barzilai A, et al. **Harefuah** 1985 Feb 1;108(3):113-9 (Eng. Abstr.) **(Heb)**

[Urinary excretion of oxalate after bilio-pancreatic bypass for obesity] Friedman D, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):721-6 (Eng. Abstr.) **(Ita)**

[Autotransfusion in bilio-pancreatic bypass for the functional surgical therapy of obesity. Preliminary report] Friedman D, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):715-20 (Eng. Abstr.) **(Ita)**

[Behavior of various hormone and non-hormone parameters in obese subjects. IV. Obesity therapy] Paggi A, et al. **Clin Ter** 1985 May 31;113(4):289-93 (Eng. Abstr.) **(Ita)**

[Medical treatment of morbid obesity] Cavagnini F. **Minerva Chir** 1984 Oct 15;39(19):1283-6 **(Ita)**

[Proctologic complications in intestinal bypass] Doldi SB, et al. **Minerva Chir** 1984 Oct 31;39(20):1355-9 **(Ita)**

[Surgical therapy of morbid obesity by intestinal by-pass] Doldi SB. **Minerva Chir** 1984 Oct 15;39(19):1287-92 **(Ita)**

[Surgical therapy of severe obesity: results and complications. Our experience with termino-lateral jejuno-ileal bypass (personal method)] Forestieri P, et al. **Minerva Chir** 1984 Oct 15;39(19):1307-14 **(Ita)**

[Artificial feeding in the surgery of morbid obesity] Lattuada E, et al. **Minerva Chir** 1984 Oct 31;39(20):1379-82 **(Ita)**

[Indications and criteria for selection in the surgical treatment of severe obesity] Lattuada E, et al. **Minerva Chir** 1984 Oct 31;39(20):1351-4 **(Ita)**

[Early complications of the laparotomy wound in morbid obesity patients subjected to an intestinal bypass] Micheletto G, et al. **Minerva Chir** 1984 Oct 31; 39(20):1361-5 **(Ita)**

[Gastric bypass in the therapy of obesity. Indications and results] Morino F, et al. **Minerva Chir** 1984 Oct 15; 39(19):1293-7 (Eng. Abstr.) **(Ita)**

[Ten-year experience with the surgery of morbid obesity. Apropos of 120 surgery cases] Santoro E. **Minerva Chir** 1984 Oct 15;39(19):1315-20 **(Ita)**

[Aspects of the ambulatory control of morbid obesity patients subjected to a jejunoileal bypass] Scaravaggi V, et al. **Minerva Chir** 1984 Oct 31;39(20):1373-7 **(Ita)**

[Development of the partial biliopancreatic bypass for obesity] Scopinaro N, et al. **Minerva Chir** 1984 Oct 15; 39(19):1299-305 **(Ita)**

[Incidence, prevention and therapy of electrolyte imbalance in jejunoileal bypass] Vita PM, et al. **Minerva Chir** 1984 Oct 31;39(20):1367-72 **(Ita)**

[Changes in the principal hematochemical parameters of the hepatic function after jejunoileal bypass] Vita PM, et al. **Minerva Chir** 1984 Oct 31;39(20):1421-8 **(Ita)**

[Artificial feeding in surgery. Our experience] Doldi SB, et al. **Minerva Dietol Gastroenterol** 1984 Jul-Sep;30(3):209-20 (Eng. Abstr.) **(Ita)**

[Effect of metformin on glucose tolerance and insulin binding in semistarved obese women] Zancanaro C, et al. **Minerva Endocrinol** 1984 Apr-Jun;9(2):297-301 (Eng. Abstr.) **(Ita)**

[Effect of mazindol on insulin and glucagon secretion in ventromedial hypothalamic obese rats] Usami M, et al. **Nippon Yakurigaku Zasshi** 1985 Apr;85(4):297-303 (Eng. Abstr.) **(Jpn)**

[Effect of jejunoileoshunting on hyperlipoproteinemia in patients with pathologic obesity] Sedletskii IuI. **Klin Khir** 1985 Feb;(2):13-5 (Eng. Abstr.) **(Rus)**

[Effectiveness of treatment of obese children in a pioneer camp of a sanatorium type] Lebed'kova SE, et al. **Pediatriia** 1984 Aug;(8):51 **(Rus)**

[Role of therapeutic physical exercise in the combined treatment of children with obesity] Ulanova LN, et al. **Pediatriia** 1985 Apr;(4):66 **(Rus)**

[Method of surgical treatment of patients with hyperlipoproteinemia] Lebedev LV, et al. **Vestn Khir** 1985 May;134(5):51-5 (Eng. Abstr.) **(Rus)**

[Effectiveness of complex sanatorium-health resort treatment of obesity including reducing diet] Zolotareva-Andreeva NA. **Vopr Pitan** 1985 Mar-Apr;(2):72-3 **(Rus)**

[Current possibilities in the treatment of obesity] Ivković-Lazar T. **Med Pregl** 1984;37(7-8):335-7 (Eng. Abstr.) **(Ser)**

[Complications of surgery for obesity. II. Late complications] Ingelmo Setién A, et al. **Rev Esp Enferm Apar Dig** 1985 Jan;67(1):81-8 (98 ref.) (Eng. Abstr.) **(Spa)**

[Tactical and technical aspects of anti-obesity jejuno-ileal bypass. Follow-up of a patient operated on 51/2 years previously] Martinez Diez M, et al. **Rev Esp Enferm Apar Dig** 1984 Nov;66(5):413-23 (Eng. Abstr.) **(Spa)**

VETERINARY

Obesity in macaques: spontaneous and induced. Kemnitz JW. **Adv Vet Sci Comp Med** 1984;28:81-114 (125 ref.)

Alterations in skeletal muscle proteins in obese and nonobese rats. Lanza-Jacoby S, et al. **Int J Obes** 1984;8(5):451-6

[Glucose tolerance and insulin response in dogs with spontaneous diabetes, obesity and following prolonged fasting] Mattheeuws D, et al. **Verh K Acad Geneeskd Belg** 1984;46(6):441-62 (Eng. Abstr.) **(Dut)**

OBESITY IN DIABETES

Non-ketotic diabetes mellitus in young non-obese Saudi Arabians. Fonseca V, et al. **East Afr Med J** 1985 Jan; 62(1):21-5

BLOOD

C-Peptide responses to glucose load in maturity-onset diabetes of the young (MODY). Mohan V, et al. **Diabetes Care** 1985 Jan-Feb;8(1):69-72

Gastric inhibitory polypeptide responses to nutrients in Caucasians and American Indians with obesity and noninsulin-dependent diabetes mellitus. Mazzaferri EL, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):313-21

Fibrinolysis in diabetes mellitus. Role of overweight and hypertriglyceridemia. Cucuianu M, et al. **Med Interne** 1984 Jul-Sep;22(3):171-7

COMPLICATIONS

[Screening for endometrial carcinoma in a group at risk] Morack G, et al. **Arch Geschwulstforsch** 1984;54(5):415-22 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Mauriac's syndrome revisited. Traisman HS, et al. **Eur J Pediatr** 1984 Sep;142(4):296-7

DIET THERAPY

Experimental approach to diabetic obesity. Friesen J, et al. **J Kans Med Soc** 1984 Sep;85(9):234-5

Effects of normoglycemia after a low carbohydrate diet in NIDDM. Insulin secretion and effectiveness. Viviani GL, et al. **Minerva Endocrinol** 1984 Apr-Jun;9(2):229-32

Moderate caloric restriction in obese women with gestational diabetes. Algert S, et al. **Obstet Gynecol** 1985 Apr; 65(4):487-91

[Diet in diabetes and obesity] Tsanev A. **Vutr Boles** 1984; 23(5):12-7 (12 ref.) (Eng. Abstr.) **(Bul)**

[Effects of rigid dietary restrictions on the control of blood sugar in obese type II diabetic patients] La Nave G, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2267-71 (Eng. Abstr.) **(Ita)**

[Effect of pectins on glucose tolerance and insulinemia (IRI) in patients with diabetes mellitus type 2 associated with obesity] Górnicka M, et al. **Pol Tyg Lek** 1984 Apr 30; 39(18):593-5 **(Pol)**

DRUG THERAPY

Gliclazide therapy is associated with potentiation of postbinding insulin action in obese, non-insulin-dependent diabetic subjects. Ward G, et al. **Diabetes** 1985 Mar; 34(3):241-5

ENZYMOLOGY

Spin state studies on cytochrome P-450 in liver microsomes from obese and diabetic animals. Rouer E, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):615-21

ETIOLOGY

[Diabetes mellitus in hypothalamic obesity] Lazaris IaA, et al. **Fiziol Zh** 1985 May-Jun;31(3):326-31 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Diabetes, parental diabetes, and obesity in Oklahoma Indians. Lee ET, et al. **Diabetes Care** 1985 Mar-Apr;8(2):107-13

METABOLISM

Acetoacetate and 3-hydroxybutyrate kinetics in obese and insulin-dependent diabetic humans. Nosadini R, et al. **Am J Physiol** 1985 May;248(5 Pt 2):R611-20

Effect of oral treatment with a new hypoglycemic agent, AS-6, on the metabolic activities of adipocytes in db/db mice: a comparative study. Hosokawa T, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):471-6

Hepatic extraction of insulin in non-insulin dependent diabetes. Comparative study of obese and non-obese patients. Snehalatha C, et al. **Diabete Metab** 1984 Sep; 10(3):175-80

Muscle protein turnover in the perfused hindquarters of lean and genetically obese-diabetic (db/db) mice. Shargill NS, et al. **Diabetes** 1984 Dec;33(12):1160-4

Significance of spontaneous ketonuria and serum C-peptide levels in obese type II diabetic patients. Osei K, et al. **Diabetes Care** 1984 Sep-Oct;7(5):442-6

Improvement of glucose homeostasis after exercise training in non-insulin-dependent diabetes. Reitman JS, et al. **Diabetes Care** 1984 Sep-Oct;7(5):434-41

Non-response of muscle capillary density and lipoprotein-lipase activity to regular training in diabetic patients. Lithell H, et al. **Diabetes Res** 1985 Jan;2(1):17-21

Multiple disturbances of free fatty acid metabolism in noninsulin-dependent diabetes. Effect of oral hypoglycemic therapy. Taskinen MR, et al. **J Clin Invest** 1985 Aug;76(2):637-44

[Insulin resistance, obesity and diabetes. Mechanism of development and their mutual relations] Klimeš I, et al. **Vnitr Lek** 1984 Dec;30(12):1206-18 (48 ref.) (Eng. Abstr.) **(Slo)**

PATHOLOGY

The Diabetes Alert study: growth, fatness, and fat patterning, adolescence through adulthood in Mexican Americans. Mueller WH, et al. **Am J Phys Anthropol** 1984 Aug; 64(4):389-99

Structural and functional abnormalities in the adipocyte plasma membrane from db/db mouse, and the effect on the abnormalities of oral treatment with AS-6. Hosokawa T, et al. **Biochem Biophys Res Commun** 1984 Nov 30; 125(1):64-9

[Ultrastructure of fat cells of obese patients with diabetes mellitus before and after treatment with a reducing diet] Krustev LP, et al. **Nahrung** 1985;29(5):455-7 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Insulin resistance in diabetes in the obese subject] Denard Y, et al. **Journ Annu Diabetol Hotel Dieu** 1984;:137-49 (36 ref.) **(Fre)**

THERAPY

Observations on the metabolic effects of partial jejunoileal bypass in streptozotocin-treated rats. Morsiani E, et al. **Eur Surg Res** 1985;17(1):25-32

Behavior change, weight loss, and physiological improvements in type II diabetic patients. Wing RR, et al. **J Consult Clin Psychol** 1985 Feb;53(1):111-22

[Results of treatment of patients with diabetes mellitus type 2 associated with obesity and gout] Ponikowska I, et al. **Pol Tyg Lek** 1984 Dec 3;39(49):1593-6 (Eng. Abstr.) **(Pol)**

URINE

[Urinary catecholamines in normal-weight and overweight diabetics] Vakov L. **Vutr Boles** 1985;24(1):108-12 (Eng. Abstr.) **(Bul)**

OBIDOXIME see under **OXIMES**

OBJECT ATTACHMENT

Functional components of reciprocity and their influences on maintaining and sustaining closest friendships. Peretti PO, et al. **Acta Psychiatr Belg** 1984;84:505-10

The borderline adolescent as a transitional object: a common variation. Giovacchini PL. **Adolesc Psychiatry** 1985; 12:233-50

The psychic life of the young infant: review and critique of the psychoanalytic concepts of symbiosis and infantile omnipotence. Horner TM. **Am J Orthopsychiatry** 1985 Jul; 55(3):324-44 (143 ref.)

Deviations on exploration, attachment, and fear of strangers in high-risk and control infants at one year of age. Näslund B, et al. **Am J Orthopsychiatry** 1984 Oct;54(4):569-77

The impact of object relations theory on psychodynamic group therapy. Alonso A, et al. **Am J Psychiatry** 1984 Nov; 141(11):1376-80

Loss as a metaphor for attachment. Vaillant GE. **Am J Psychoanal** 1985 Spring;45(1):59-67

Bonding babies [editorial] Richards MP. **Arch Dis Child** 1985 Apr;60(4):293-4

Social support as a factor in the development of parents' attachment to their unborn. Cranley MS. **Birth Defects** 1984;20(5):99-124

Does kissing aid human bonding by semiochemical addiction? Nicholson B. **Br J Dermatol** 1984 Nov;111(5):623-7

Cognitive theory, object relations and the self. Ryle A. **Br J Med Psychol** 1985 Mar;58 (Pt 1):1-7

Unraveling the symbiotic bond. Psychotherapeutic change in a schizophrenic patient. Cerney MS. **Bull Menninger Clin** 1984 Nov;48(6):479-500

Object-relations theory and psychohistory. Hoffman LE. **Bull Menninger Clin** 1985 Mar;49(2):113-23

Pain and potential space. Toward a clinical theory of meaning. Hubner MK. **Bull Menninger Clin** 1984 Sep; 48(5):443-54

Autistic aloofness reconsidered. Case reports of two children in play therapy. Lowery EF. **Bull Menninger Clin** 1985 Mar;49(2):135-50

Deanimated transitional phenomena in paranoid conditions. The 'influencing machine' revisited. Sugarman A. **Bull Menninger Clin** 1984 Sep;48(5):418-26

Play in the psychotherapy of selfobject relating. Henderson J. **Can J Psychiatry** 1984 Aug;29(5):417-24

The understanding heart: aging parents and their favorite children. Aldous J, et al. **Child Dev** 1985 Apr;56(2):303-16

The relation between maternal employment status and the stability of attachments to mother and to father. Owen MT, et al. **Child Dev** 1984 Oct;55(5):1894-901

Fathers' birth attendance, early contact, and extended contact with their newborns: a critical review. Palkovitz R. **Child Dev** 1985 Apr;56(2):392-406 (48 ref.)

Attachment classification from the perspective of infant-caregiver relationships and infant temperament. Sroufe LA. **Child Dev** 1985 Feb;56(1):1-14

Application of the strange situation attachment paradigm to a neurologically impaired population. Stahlecker JE, et al. **Child Dev** 1985 Apr;56(2):502-7

Use of the strange-situation procedure in the diagnosis of attachment disorder. O'Connor MJ, et al. **Child Psychiatry Hum Dev** 1984 Fall;15(1):64-71

Parent preference in the attachment exploration balance in infancy: an experimental psychoanalytic approach. Shill MA, et al. **Child Psychiatry Hum Dev** 1984 Fall;15(1):34-48

Depression viewed as a state of disturbed psychic contact. Benjaminsen S. **Compr Psychiatry** 1984 Nov-Dec; 25(6):594-605

Veterinary medicine and gerontology: a vital link. Netting FE, et al. **Gerontol Geriatr Educ** 1984 Fall;5(1):53-61

The quality of relationships between elderly parents and their out-of-town children. Moss MS, et al. **Gerontologist** 1985 Apr;25(2):134-40

Psychological effects of cardiotocographic and ultrasonographic examinations in pregnancy and labour on the mother. Part I. The significance of cardiotocographic and ultrasonographic examinations for the development of maternal bonding. Sioda T. **Ginekol Pol** 1984 Sep; 55(9):653-60

Group psychotherapy on a short-term treatment unit: an application of object relations theory. Russakoff LM, et al. **Int J Group Psychother** 1984 Jul;34(3):339-54

Applications of object relations concepts to children's group psychotherapy. Soo ES. **Int J Group Psychother** 1985 Jan; 35(1):37-47

Nosography and theory of the schizophrenias. Freeman T. **Int J Psychoanal** 1985;66 (Pt 2):237-43

Levels of mental representation and communicative modes of the bipersonal field. Brown LJ. **Int J Psychoanal Psychother** 1984-85;10:403-28

The importance of the cognitive, transitional, and communicative approaches in infant development. Grotstein JS. **Int J Psychoanal Psychother** 1984-85; 10:429-35

Effect of subliminal symbiotic activation on hypnotic rapport and susceptibility. Frauman DC, et al. **J Abnorm Psychol** 1984 Nov;93(4):481-3

Parental bonding in bipolar affective disorder. Joyce PR. **J Affective Disord** 1984 Dec;7(3-4):319-24

Physiologic assessment of mother-infant attachment. Donovan WL, et al. **J Am Acad Child Psychiatry** 1985 Jan;24(1):65-70

Children's attachment to soft objects at bedtime, child rearing, and child development. Mahalski PA, et al. **J Am Acad Child Psychiatry** 1985 Jul;24(4):442-6

The role of analytic neutrality in the use of the child analyst as a new object. Chused JF. **J Am Psychoanal Assoc** 1982; 30(1):3-28

The development of the drive object concept in Freud's work: 1905-1915. Compton A. **J Am Psychoanal Assoc** 1985;33(1):93-115

Cognitive aspects of splitting and libidinal object constancy. Melito R. **J Am Psychoanal Assoc** 1983;31(2):515-34

The object in psychoanalytic theory. Rangell L. **J Am Psychoanal Assoc** 1985;33(2):301-34

A developmental line of gender identity, gender role, and choice of love object. Tyson P. **J Am Psychoanal Assoc** 1982;30(1):61-86

Thoughts about early pathology. Weil AP. **J Am Psychoanal Assoc** 1985;33(2):335-52

Attachment behaviors in autistic children. Sigman M, et al. **J Autism Dev Disord** 1984 Sep;14(3):231-44

The Urist Rorschach Mutuality of Autonomy Scale as an indicator of psychopathology. Harder DW, et al. **J Clin Psychol** 1984 Jul;40(4):1078-83

Social bonding and community adjustment of chronically mentally ill adults. Grusky O, et al. **J Health Soc Behav** 1985 Mar;26(1):49-63

The effects of mother-infant bonding. Wallick MM. **J La State Med Soc** 1985 Jan;137(1):40-2, 45-7

Therapeutic use of companion pets for neurologically impaired patients. Wille R. **J Neurosurg Nurs** 1984 Dec; 16(6):323-5

'Can a non-bonder be an effective mentor'? Darling LA. **J Nurs Adm** 1985 Feb;15(2):30-1

Young drug abusers' problems of attachment to the family. Some consequences for treatment. Vaglum P. **J Oslo City Hosp** 1985 Jun;35(6):69-76

The Rorschach H response and object relations. Lerner H, et al. **J Pers Assess** 1984 Aug;48(4):345-50

A Rorschach assessment of children's mutuality of autonomy. Ryan RM, et al. **J Pers Assess** 1985 Feb;49(1):6-12

Secure attachment revisited [letter] Goldberg C. **J Psychosoc Nurs Ment Health Serv** 1984 Jul;22(7):43

Postpartum disorders. Mother-infant bonding on a psychiatric unit. Hurt LD, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Feb;23(2):15-20

Biological correlates of attachment bond disruption in humans and nonhuman primates. Kalin NH, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(3):459-69 (86 ref.)

Pills as transitional objects: a dynamic understanding of the use of medication in psychotherapy. Adelman SA. **Psychiatry** 1985 Aug;48(3):246-53

Early object-relations conflicts in marital interaction. Calogeras RC. **Psychoanal Rev** 1985 Spring;72(1):31-53

Narcissism as a defense against object loss: Stendhal and Proust. Sands S. **Psychoanal Rev** 1985 Spring;72(1):105-27

Language, solace, and transitional relatedness. Horton PC, et al. **Psychoanal Study Child** 1984;39:167-94

Shame. An object-relational formulation. Spero MH. **Psychoanal Study Child** 1984;39:259-82

Growing up with Heidi. White K. **Rehabil Lit** 1985 Mar-Apr; 46(3-4):85, 118

Symposium on the human-companion animal bond. **Vet Clin North Am [Small Anim Pract]** 1985 Mar; 15(2):283-470

The humane society and the human-companion animal bond. Reflections on the broken bond. Arkow P. **Vet Clin North Am [Small Anim Pract]** 1985 Mar; 15(2):455-66

Community people-pet programs that work. Hines LM. **Vet Clin North Am [Small Anim Pract]** 1985 Mar; 15(2):319-32

Physiologic and behavioral responses to companion animals. Katcher AH. **Vet Clin North Am [Small Anim Pract]** 1985 Mar;15(2):403-10

The veterinarian's education about the human-animal bond and animal-facilitated therapy. McCulloch WF. **Vet Clin North Am [Small Anim Pract]** 1985 Mar; 15(2):423-9

The death of a pet. How it can affect owners. Quackenbush J. **Vet Clin North Am [Small Anim Pract]** 1985 Mar; 15(2):395-402

Ethics and human-companion animal interaction. A plea for a veterinary ethics of the human-companion animal bond. Tannenbaum J. **Vet Clin North Am [Small Anim Pract]** 1985 Mar;15(2):431-47

Attachment of people to companion animals. Voith VL. **Vet Clin North Am [Small Anim Pract]** 1985 Mar; 15(2):289-95

Laboratory animal technicians. Their role in stress reduction and human-companion animal bonding. Wolfle T. **Vet Clin North Am [Small Anim Pract]** 1985 Mar; 15(2):449-54

The evolution of domestic pets and companion animals. Young MS. **Vet Clin North Am [Small Anim Pract]** 1985 Mar;15(2):297-309

[Differential approach of self mutilation and self offending behaviors from the point of view of object relation and defense mechanisms] Scharbach H. **Ann Med Psychol (Paris)** 1984 Dec;142(10):1318-31 **(Fre)**

[Object relations of the parents of schizophrenics] Birot E, et al. **Psychiatr Enfant** 1984;27(2):433-521 **(Fre)**

[Comments by the psychoanalyst on the activities of general practitioners] Nicolaïdis N. **Rev Med Suisse Romande** 1984 Dec;104(12):1033-4 **(Fre)**

[Various aspects of man-animal relations in current medical practice] Robert M. **Rev Med Suisse Romande** 1984 Dec; 104(12):1027-31 **(Fre)**

[Significance of bonding and separation in the development of disease] Csef H, et al. **Nervenarzt** 1985 May;56(5):245-51 **(Ger)**

[Adjustment and personal loss. A contribution to the psychopathology of childhood and adolescence] Reinhard HG. **Nervenarzt** 1985 May;56(5):252-8 **(Ger)**

[Integration of self psychology and psychoanalysis on developmental psychologic principles. Demonstrated by the case of Louisa A. by P. Tolpin] Grunert U. **Psyche (Stuttg)** 1985 Aug;39(8):708-37 (Eng. Abstr.) **(Ger)**

[Significance of object loss on the course of psychosomatic diseases] Schaeffer G, et al. **Z Gesamte Inn Med** 1984 Nov 1;39(21):545-8 (Eng. Abstr.) **(Ger)**

[Relational aspects in the care of very low weight newborn infants] Nordio S, et al. **Minerva Pediatr** 1984 Aug 31; 36(15-16):781-6 (Eng. Abstr.) **(Ita)**

[Psychosomatic sterility in women: a contribution to its study] Ingelmo Fernández J, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 May-Jun; 12(3):185-91 (Eng. Abstr.) **(Spa)**

OBJECT RELATIONS see **OBJECT ATTACHMENT**

OBLIGATION, SOCIAL see **SOCIAL RESPONSIBILITY**

OBSESSIVE BEHAVIOR see under **COMPULSIVE BEHAVIOR**

OBSESSIVE-COMPULSIVE DISORDER

see related
COMPULSIVE BEHAVIOR

Psychosomatics of trichotillomania and related states or disorders. Meyer AE, et al. **Psychother Psychosom** 1984; 42(1-4):119-23

COMPLICATIONS

[Comparative study of the clinical dynamics of neuroses with variable expression of the hypochondriacal syndrome] Kalachev BP, et al. **Zh Nevropatol Psikhiatr** 1984; 84(11):1679-83 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Depression is not obsessive-compulsive disorder [letter] Herron BB. **Am J Psychiatry** 1984 Nov;141(11):1496

Dexamethasone suppression tests in patients with obsessive-compulsive disorder. Lieberman JA, et al. **Am J Psychiatry** 1985 Jun;142(6):747-51

Are religious compulsions religious or compulsive: a phenomenological study. Greenberg D. **Am J Psychother** 1984 Oct;38(4):524-32

Is there an obsessive psychosis? Aetiological and prognostic factors of an atypical form of obsessive-compulsive neurosis. Solyom L, et al. **Can J Psychiatry** 1985 Aug; 30(5):372-80

Statistical manoeuvres in the dark. Remarks on 'An operationalized multisymptomatic model of neuroses (OMMON): toward a reintegration of diagnosis and treatment in behaviour therapy' by I. Hand and W. Zaworka. Burisch M, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(2):86-91

Obsessive-compulsive disorder. Insel TR. **Psychiatr Clin North Am** 1985 Mar;8(1):105-17 (85 ref.)

Abnormal dexamethasone suppression test in primary obsessive-compulsive patients: a confirmatory report. Cottraux JA, et al. **Psychiatry Res** 1984 Oct;13(2):157-65

[Prognosis in obsessive-phobic disorders in childhood and adolescence] Oancea C, et al. **Rev Med Interna [Neurol Psihiatr]** 1985 Jan-Mar; 30(1):47-55 **(Rum)**

[Differential diagnostic criteria of childhood diseases accompanied by hyperkinesias] Pushkov VV. **Zh Nevropatol Psikhiatr** 1985;85(3):409-16 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Lithium as an adjunct treatment in obsessive-compulsive disorder [letter] Eisenberg J, et al. **Am J Psychiatry** 1985 May;142(5):663

Antiobsessive effect of fluoxetine [letter] Fontaine R, et al. **Am J Psychiatry** 1985 Aug;142(8):989

Tricyclic antidepressants in obsessive-compulsive disorder: antiobsessional or antidepressant agents? II. Mavissakalian M, et al. **Am J Psychiatry** 1985 May;142(5):572-6

Lithium and tryptophan augmentation in clomipramine-resistant obsessive-compulsive disorder. Rasmussen SA. **Am J Psychiatry** 1984 Oct;141(10):1283-5

Clomipramine treatment of childhood obsessive-compulsive disorder. A double-blind controlled study. Flament MF, et al. **Arch Gen Psychiatry** 1985 Oct;42(10):977-83

Intravenous chlorimipramine in the treatment of obsessional disorder in adolescence: case report. Warneke LB. **J Clin Psychiatry** 1985 Mar;46(3):100-3

Alprazolam in the treatment of obsessive symptoms. Tollefson G. **J Clin Psychopharmacol** 1985 Feb;5(1):39-42

Fluoxetine treatment of obsessive-compulsive disorder. Turner SM, et al. **J Clin Psychopharmacol** 1985 Aug; 5(4):207-12

Two cases of obsessive-compulsive disorder with depression responsive to trazodone. Baxter LR Jr. **J Nerv Ment Dis** 1985 Jul;173(7):432-3

Efficacy of trazodone as an anti obsessional agent. Prasad A. **Pharmacol Biochem Behav** 1985 Feb;22(2):347-8

Tricyclic response in obsessive compulsive disorder. Insel TR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985;9(1):25-31

Clomipramine and imipramine in obsessive-compulsive disorder. Volavka J, et al. **Psychiatry Res** 1985 Jan; 14(1):85-93

A controlled trial of clomipramine in childhood obsessive compulsive disorder. Flament MF, et al. **Psychopharmacol Bull** 1985;21(1):150-2

ETIOLOGY

Can hypoglycaemia cause obsessions and ruminations? Rippere V. **Med Hypotheses** 1984 Sep;15(1):3-13

[A case of trichotillomania in schizophrenia] Giersz T. **Psychiatr Pol** 1984 Mar-Apr;18(2):171-3 **(Pol)**

OCCURRENCE

The epidemiology of obsessive compulsive disorder. Rasmussen SA, et al. **J Clin Psychiatry** 1984 Nov; 45(11):450-7 (50 ref.)

PHYSIOPATHOLOGY

Lactate infusions in obsessive-compulsive disorder. Gorman JM, et al. **Am J Psychiatry** 1985 Jul;142(7):864-6

Distinctive somatosensory evoked potential features in obsessive-compulsive disorder. Shagass C, et al. **Biol Psychiatry** 1984 Nov;19(11):1507-24

Biological markers in obsessive-compulsive and affective disorders. Insel TR, et al. **J Psychiatr Res** 1984;18(4):407-23

Biological factors in obsessive-compulsive disorders. Turner SM, et al. **Psychol Bull** 1985 May;97(3):430-50 (88 ref.)

PSYCHOLOGY

Cognitive dysfunction in compulsive checkers: further explorations. Sher KJ, et al. **Behav Res Ther** 1984; 22(5):493-502

Obsessive-compulsive disorder: differences between washers and checkers. Steketee GS, et al. **Behav Res Ther** 1985; 23(2):197-201

Allocation of attention in obsessional disorder. Gordon PK. **Br J Clin Psychol** 1985 May;24 (Pt 2):101-7

Trichotillomania--a review. Krishnan KR, et al. **Compr Psychiatry** 1985 Mar-Apr;26(2):123-8 (40 ref.)

Obsessive-compulsive adolescents and their parents: a psychometric study. Clark DA, et al. **J Child Psychol Psychiatry** 1985 Mar;26(2):267-76

An investigation of two self-report measures of obsessional phenomena in obsessive-compulsive adolescents: research note. Clark DA, et al. **J Child Psychol Psychiatry** 1985 May;26(3):429-37

['Refuse cluttering syndrome'--a previously unknown disease picture] Dettmering P. **Off Gesundheitswes** 1985 Jan; 47(1):17-9 **(Ger)**

[Compulsion in the service of self-preservation] Quint H. **Psyche (Stuttg)** 1984 Aug;38(8):717-37 (Eng. Abstr.) **(Ger)**

[Compulsion in neurosis, psychosis and psychosomatic disease] Lang H. **Z Klin Psychol Psychopathol Psychother** 1985;33(1):65-76 (Eng. Abstr.) **(Ger)**

THERAPY

A case of obsessional fears treated by brief hypno-imagery intervention. Johnson GM, et al. **Am J Clin Hypn** 1985 Apr;27(4):232-6

Behavioral treatment in two cases of obsessive-compulsive disorder with concomitant bipolar affective disorder. Baer L, et al. **Am J Psychiatry** 1985 Mar;142(3):358-60

Severe obsessive compulsive disorder in adolescence: a report of eight cases. Apter A, et al. **J Adolesc** 1984 Dec; 7(4):349-58

A rapid multi-component treatment for an obsessive-compulsive disorder. Rowan VC, et al. **J Behav Ther Exp Psychiatry** 1984 Dec;15(4):347-52

Behavioral treatment of trichotillomania. Stevens MJ. **Psychol Rep** 1984 Dec;55(3):987-90

[Treatment of obsessive compulsive neurosis] Greenberg D, et al. **Harefuah** 1985 Mar 1;108(5):231-5 (Eng. Abstr.) **(Heb)**

OBSTETRICAL FORCEPS

see related

EXTRACTION, OBSTETRICAL

Boys born by forceps and vacuum extraction examined at 18 years of age. Nilsen ST. **Acta Obstet Gynecol Scand** 1984;63(6):549-54

The midforceps: maternal and neonatal outcomes. Dierker LJ Jr, et al. **Am J Obstet Gynecol** 1985 May 15; 152(2):176-83

In defense of midforceps [letter] Goodlin RC. **Am J Obstet Gynecol** 1985 Jul 1;152(5):605-6

The role of midforceps in current obstetric practice [letter] Pearson JW. **Am J Obstet Gynecol** 1985 Jul 1;152(5):606

Article does not show harm from midforceps [letter] Smith CB. **Am J Obstet Gynecol** 1985 Jul 1;152(5):604-5

Should a paediatrician be present at non-rotational forceps deliveries? Gray LC, et al. **Br J Obstet Gynaecol** 1984 Sep; 91(9):899-900

Obstetric forceps pad designed to reduce infant trauma. Hebertson RM, et al. **Obstet Gynecol** 1985 Feb;65(2):275-8

[Operative obstetrics--section, vacuum, forceps. Clinical results in 3,742 cases 1966 to 1980] Hohlweg-Majert P, et al. **Fortschr Med** 1985 May 2;103(17):450-2 (Eng. Abstr.) **(Ger)**

[Improved Bamberg divergence forceps. Modification for the prevention of soft tissue injuries of the pelvis] Krieglsteiner P, et al. **Geburtshilfe Frauenheilkd** 1984 Dec;44(12):821-3 (Eng. Abstr.) **(Ger)**

[Effects of various anesthesia procedures used in forceps delivery on the cardiopulmonary adaptation of the newborn infant. 2. Modification of pulmonary adaptation] Weisbach W, et al. **Zentralbl Gynakol** 1985;107(9):545-9 (Eng. Abstr.) **(Ger)**

[Effects of various anesthesia procedures used in forceps delivery on the cardiopulmonary adaptation of the newborn infant. 1. Modification of cardiac adaptation] Weisbach W, et al. **Zentralbl Gynakol** 1985;107(9):539-44 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Do midforceps deliveries really impair subsequent intelligence quotient scores? [letter] Kadar N. **Am J Obstet Gynecol** 1985 Sep 15;153(2):233-5

Kielland's forceps delivery [letter] Carr CJ. **Br Med J [Clin Res]** 1984 Oct 13;289(6450):1003

[Extradural hematoma of a newborn infant. Rare complication of forceps delivery (letter)] Gouyon JB, et al. **Arch Fr Pediatr** 1985 Apr;42(4):333 **(Fre)**

[Perinatal impact of the use of forceps in posterior presentations] Magnin P, et al. **Bull Acad Natl Med (Paris)** 1984 Jan-Feb;168(1-2):47-53 (Eng. Abstr.) **(Fre)**

[Is it legitimate today to perform large rotations with forceps?] Magnin P, et al. **Rev Fr Gynecol Obstet** 1984 Apr; 79(4):255-61 (Eng. Abstr.) **(Fre)**

[Development of the use of forceps in the 80's. Clinico-statistical considerations and long-term neuropsychiatric control in children born using this technic] Rizzuto E, et al. **Minerva Ginecol** 1984 Sep; 36(9):477-85 (Eng. Abstr.) **(Ita)**

[Materno-fetal morbidity-mortality with the forceps. Salinas model II] Mendoza Perales JO, et al. **Ginecol Obstet Mex** 1984 Oct;52(330):251-6 (Eng. Abstr.) **(Spa)**

[Immediate materno-fetal morbidity in the use of forceps. Comparative study of divergent and crossed forceps] Walss Rodriguez RJ, et al. **Ginecol Obstet Mex** 1984 May; 52(325):121-5 (Eng. Abstr.) **(Spa)**

HISTORY

Historical note (obstetrical forceps and Dr. Peter Chamberlen) [letter] Matthews RM. **J R Coll Gen Pract** 1985 Jan;35(270):44

[History and sidelights on the forceps] Dumont M. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(7):743-57 (Eng. Abstr.) **(Fre)**

UTILIZATION

Survey of obstetric forceps training in North America in 1981. Healy DL, et al. **Am J Obstet Gynecol** 1985 Jan 1; 151(1):54-8

A continuing use for Kielland's forceps? Traub AI, et al. **Br J Obstet Gynaecol** 1984 Sep;91(9):894-8

OBSTETRICAL NURSING

Puerperal change [letter] **JOGN Nurs** 1984 Nov-Dec; 13(6):410-2

Assisting the unprepared woman during labor. Bloom KC. **JOGN Nurs** 1984 Sep-Oct;13(5):303-6

An independent labor-support nursing service. Peddicord K, et al. **JOGN Nurs** 1984 Sep-Oct;13(5):312-6

The obstetrics scope of practice of master's prepared FNPs. Glascock J, et al. **Nurse Pract** 1984 Dec;9(12):34, 36, 38

EDUCATION

C-sections in the delivery room. Orienting the staff. Brannan P. **AORN J** 1985 Jun;41(6):1051-3

METHODS

Nursing, maternal postures, and fetal position. Andrews CM, et al. **Nurs Res** 1983 Nov-Dec;32(6):336-41

OBSTETRICS

see related

PREGNANCY COMPLICATIONS

A circle and the eight happinesses. Beazley JM. **Am J Obstet Gynecol** 1985 May 15;152(2):163-8

Current controversies in obstetrics: wrongful life and forced fetal surgical procedures. Engelhardt HT Jr. **Am J Obstet Gynecol** 1985 Feb 1;151(3):313-8

The changing scene. Rust JA. **Am J Obstet Gynecol** 1985 Jun 15;152(4):369-73

Ethics in obstetrics and gynecology. Ryan KJ. **Am J Obstet Gynecol** 1985 Apr 1;151(7):840-3

Confidentiality in obstetrics [editorial] Barnes J. **Br J Obstet Gynaecol** 1984 Nov;91(11):1057-8

The 'birth plan' experience. Ekeocha CE, et al. **Br J Obstet Gynaecol** 1985 Jan;92(1):97-101

Litigation in obstetrics and gynaecology [editorial] Symonds EM. **Br J Obstet Gynaecol** 1985 May;92(5):433-4

General practitioner obstetrics in the Northern region in 1983. Marsh GN, et al. **Br Med J [Clin Res]** 1985 Mar 23;290(6472):901-3

Obstetrics services--women's perspectives. Andolšek L. **Int J Gynaecol Obstet** 1984 Dec;22(6):471-4

Organization of obstetric services in USSR. Grischenko VI. **Int J Gynaecol Obstet** 1984 Dec;22(6):479-82

Problems of obstetric care in Nigeria. Ogunbode O. **Int J Gynaecol Obstet** 1984 Dec;22(6):475-7

Obstetric and gynecological care for Third World women. Pinotti JA, et al. **Int J Gynaecol Obstet** 1984 Dec; 22(6):449-55

The social responsibility of the obstetrician. Taylor HC Jr. **Int J Gynaecol Obstet** 1984 Dec;22(6):433-8

Clinical application of a high-risk scoring system on a family practice obstetric service. Nuovo J. **J Fam Pract** 1985 Feb; 20(2):139-44

Obstetrics in family practice: competence, continuity, and caring. Phillips WR, et al. **J Fam Pract** 1985 Jun; 20(6):595-6

Two sets of ten commandments for obstetricians [letter] Odent M. **J Med Ethics** 1985 Mar;11(1):53

Obstetric and gynecologic malpractice. George JE, et al. **J Med Soc NJ** 1984 Aug;81(8):623-7

Expectation and experience in alternative and conventional birth. Chute GE. **J Obstet Gynecol Neonatal Nurs** 1985 Jan-Feb;14(1):61-7

High-risk obstetrics. The three-year experience of four subspecialists. Cohen AW, et al. **J Reprod Med** 1985 Jun; 30(6):472-7

Effects of unanswered questions about modern obstetric practice. Mahan CS. **J Reprod Med** 1985 Apr;30(4):337-9

Renewal and change. The 1983 AAGL presidential address. Siegler A. **J Reprod Med** 1984 Aug;29(8):569-71

Genetic diagnosis in obstetrics/gynaecology. Wong HB. **J Singapore Paediatr Soc** 1984;26(1-2):15-22

Attacking defensive obstetrics. **Lancet** 1984 Oct 13; 2(8407):852

Unorthodox clinical practice: employment, evaluation, and teaching. Issues raised by the suspension of an obstetrician. Draper P. **Lancet** 1985 Sep 28;2(8457):713-4

Patterns of obstetric procedures use in maternity care. Baruffi G, et al. **Obstet Gynecol** 1984 Oct;64(4):493-8

Ultrasound in obstetrics. Pearce JM. **Practitioner** 1985 Aug; 229(1406):703-9

[Clinical thinking in modern obstetrics. I. The gnoseological clinical aspect] Katsulov A. **Akush Ginekol (Sofiia)** 1985; 24(1):1-7 **(Bul)**

[Clinical thinking in modern obstetrics. III. Ultrasound and monitoring aspects] Katsulov A. **Akush Ginekol (Sofiia)** 1985;24(3):6-12 **(Bul)**

[Application of statistics to gynecology and obstetrics. II. Several common statistical methods] Yang Q. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jul;19(3):168-70 **(Chi)**

[Improving health care of women] Břešťák M. **Cesk Gynekol** 1985 Apr;50(3):161-3 **(Cze)**

[Possibilities of cooperation by gynecologists and obstetricians with graduates of the school of public health] Dvořák V. **Cesk Gynekol** 1985 Mar;50(2):81-3 **(Cze)**

[Maternal death of obstetrical origin. Medicolegal aspects] Chevrant-Breton O, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(3):385-93 (Eng. Abstr.) **(Fre)**

[Committee report on the medical licensure system in Japan--1984] **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct;36(10):2047-54 **(Jpn)**

[Malpractice among health service personnel in the fields of obstetrics and gynecology] Heimrath T. **Ginekol Pol** 1984 May;55(5):365-70 (Eng. Abstr.) **(Pol)**

EDUCATION

Survey of obstetric forceps training in North America in 1981. Healy DL, et al. **Am J Obstet Gynecol** 1985 Jan 1; 151(1):54-8

Practice patterns and attitudes toward education among Canadian obstetricians and gynecologists. Mohide PT, et al. **Am J Obstet Gynecol** 1985 Aug 15;152(8):989-94

It's what you learn after you know it all that really counts. Presidential address. Quilligan EJ, et al. **Am J Obstet Gynecol** 1985 Apr 1;151(7):833–9

A collaborative report on training in obstetrics and gynecology for family physicians in Canada. Ad hoc committee of the Association of Professors of Obstetrics and Gynaecology of Canada. **Can Med Assoc J** 1984 Dec 15;131(12):1453–5

Thomas Young, M.D. (1726?–1783) and obstetrical education at Edinburgh. Hoolihan C. **J Hist Med Allied Sci** 1985 Jul;40(3):327–45

A tutor programme in obstetrics and gynaecology. Beckmann CR, et al. **Med Educ** 1984 Nov;18(6):443–5

Obstetrics in the physical therapy curriculum. Hulme JB, et al. **Phys Ther** 1985 Jan;65(1):51–3

[Experiences from American medical education. Is there something to learn?] Stuge OR. **Tidsskr Nor Laegeforen** 1985 Jan 20;105(2):156–9 (Eng. Abstr.) **(Nor)**

[A system of advanced training in obstetrics and gynecology: history of its development, current state and perspectives (on the 100th anniversary of the Leningrad Institute for the Advanced Training of Physicians] Davydov SN. **Akush Ginekol (Mosk)** 1985 May;(5):12–4 **(Rus)**

[Professional guidance in controlled independent work of interns in obstetrics and gynecology] Miroshnichenko VP, et al. **Akush Ginekol (Mosk)** 1985 Jan;(1):77–8 **(Rus)**

[Ways of improving the teaching of obstetrics and gynecology in medical schools] Strizhakov AN, et al. **Akush Ginekol (Mosk)** 1985 Mar;(3):3–5 **(Rus)**

[Development of an integrated curriculum for training students in obstetrics and gynecology] Strizhakov AN, et al. **Sov Med** 1984;(9):60–1 **(Rus)**

HISTORY

The response of the New York Obstetrical Society to the report by the New York Academy of Medicine on maternal mortality, 1933–1934. Porges RF. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):642–9

The sociology of science: women and medicine in nineteenth century Mississippi. Bridgforth LR. **J Miss State Med Assoc** 1985 Jan;26(1):9–13

The pleasant career of a busy ob-gyn. Thierstein ST. **Nebr Med J** 1985 Jun;70(6):208–13

[40 years in the care of women] Kotásek A. **Cesk Gynekol** 1985 Feb;50(1):65–71 **(Cze)**

[A turning point in the history of obstetrics in Hungary (on the 51st anniversary of the death of Vilmos Tauffer and 50th anniversary of the Obstetric Registry)] Zsolnai B. **Orv Hetil** 1985 Aug 11;126(32):1985–8, 1991 **(Hun)**

['Primitiae Physico-medicae' (1750–1753). Obstetrical and gynecological problems] Waszynski E. **Arch Hist Med (Warsz)** 1984;47(3):447–61 (Eng. Abstr.) **(Pol)**

[Polish academic gynecological and obstetrical textbooks. I. Polish gynecological and obstetrical literature in the 15th and 16th centuries] Nabiałczyk M. **Ginekol Pol** 1984 Oct;55(10):783–7 **(Pol)**

[Polish academic gynecological and obstetrical textbooks. II. Polish obstetrical and gynecological literature in the 18th century] Nabiałczyk M. **Ginekol Pol** 1984 Oct;55(10):789–93 **(Pol)**

[Evolution in the choice of body position during labor] Heimrath T. **Wiad Lek** 1984 May 15;37(10):797–9 (Eng. Abstr.) **(Pol)**

[Work of the Leningrad Society of Obstetricians and Gynecologists in World War II, 1941–1945 and during the blockade of Leningrad] Alipov VI. **Akush Ginekol (Mosk)** 1985 Apr;(4):5–7 **(Rus)**

[Colleagues of the Department of Obstetrics and Gynecology of the Minsk Order of the Red Banner Medical Institute--participants in World War II] Gerasimovich GI, et al. **Akush Ginekol (Mosk)** 1985 Apr;(4):7–9 **(Rus)**

[Hero of the Soviet Union prof. P. M. Bufko and the institute named after him] Mikhailenko ET. **Akush Ginekol (Mosk)** 1985 Apr;(4):9–11 **(Rus)**

[On the 40th anniversary of the victory over fascist Germany] Nikonchik OK. **Akush Ginekol (Mosk)** 1985 Apr;(4):3–5 **(Rus)**

[Development of preventive services in Soviet obstetrics] Danilishina EI. **Sov Zdravookhr** 1985;(4):57–9 **(Rus)**

[Scientific contribution of the Maternity Division of the Hospital San Francisco de Borja from 1934 to 1970] Garcia Valenzuela R. **Rev Chil Obstet Ginecol** 1983;48(1):30–9 **(Spa)**

MANPOWER

Problems of health manpower development in obstetrics. Fairweather DV. **Int J Gynaecol Obstet** 1984 Dec;22(6):467–70

[Gynecologists and obstetricians in France. Demographic evolution from 1970 to 1983. Future perspectives] Lerat MF, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(3):333–44 **(Fre)**

METHODS

Factors involved in the interpretation of fetal monitor tracings. Helfand M, et al. **Am J Obstet Gynecol** 1985 Mar 15;151(6):737–44

External cephalic version under tocolysis. Sellappah S, et al. **Br J Clin Pract** 1984 Nov-Dec;38(11-12):392–3

Non-invasive radioisotopic evaluation of placental blood flow. Maini CL, et al. **Gynecol Obstet Invest** 1985;19(4):196–206

Use of ultrasonography vs clinical factors to estimate date of confinement. McConnon TM, et al. **J Fam Pract** 1985 Jul;21(1):45–8

[Feasibility of ultrasonic diagnosis in obstetrics] Baler G. **Akush Ginekol (Mosk)** 1984 Sep;(9):71–2 **(Rus)**

[Psychoprophylactic childbirth versus traditional obstetric care] Guzmán Sánchez A, et al. **Ginecol Obstet Mex** 1983 Aug;51(316):221–4 (Eng. Abstr.) **(Spa)**

STANDARDS

Obstetric consultations during labor and delivery in a university-based family practice. Craig AS, et al. **J Fam Pract** 1985 May;20(5):481–5

[Quality control from the viewpoint of clinical obstetrics] Heinrich J, et al. **Zentralbl Gynakol** 1984;106(17):1215–9 (Eng. Abstr.) **(Ger)**

[Activities of the Problem Committee for Obstetrical and Gynecological Research in the Russian Federation] Kulakov VI, et al. **Akush Ginekol (Mosk)** 1985 Jan;(1):72–5 **(Rus)**

TRENDS

'Is that all there is?' Vander Kolk KJ. **Am J Obstet Gynecol** 1985 May 15;152(2):139–44

Obstetric audit: a 12 years review of obstetric practice in Ramathibodi Hospital 1970–1981. Sirivongs B, et al. **J Med Assoc Thai** 1984 Oct;67 Suppl 2:4–14

Computers in obstetrics. Chard T, et al. **Practitioner** 1985 Aug;229(1406):713–8

[Main trends in the development of obstetrical and gynecological services for the rural female population] Baklaenko NG, et al. **Akush Ginekol (Mosk)** 1984 Aug;(8):3–5 **(Rus)**

[Implementation of scientific research devoted to the prevention and treatment of various maternal and fetal diseases] El'tsov-Strelkov VI, et al. **Akush Ginekol (Mosk)** 1984 Sep;(9):3–6 **(Rus)**

[American specialists in the program of developing maternal and child health care in the United States] Lisitsyn IuP, et al. **Pediatriia** 1984 Aug;(8):65–7 **(Rus)**

[Current status and predictions in gynecology and obstetrics] Gutierrez-Murillo E, et al. **Gac Med Mex** 1985 Jan-Feb;121(1-2):39–59 **(Spa)**

OBSTETRICS AND GYNECOLOGY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

OBTURATOR NERVE

[Obturator neuralgia (Howship-Romberg phenomenon)] Saurenmann P, et al. **Schweiz Med Wochenschr** 1984 Oct 20;114(42):1462–4 (Eng. Abstr.) **(Ger)**

[Bilateral obturator neuralgia secondary to osteitis of the pubis] Leno C, et al. **Arch Neurobiol (Madr)** 1984 Nov-Dec;47(6):347–52 (Eng. Abstr.) **(Spa)**

OBTURATORS, PALATAL see **PALATAL OBTURATORS**

OCCIPITAL BONE

Intracranial osteogenic sarcoma complicating Paget's disease of bone--case report. Shinonaga M, et al. **Neurol Med Chir (Tokyo)** 1985 Jan;25(1):45–9

Benign chondroblastoma of the occipital bone. Ohnishi T, et al. **Surg Neurol** 1985 Jul;24(1):52–6

ABNORMALITIES

Hypoplasia of the basi-occipital bone and persistence of the spheno-occipital synchondrosis in a patient with transitory supplementary fissure of the basi-occipital. Wackenheim A. **Neuroradiology** 1985;27(3):226–31

[Occipitalization of the atlas (Wackenheim III), basilar impression, chiari malformation (I) and paracondyloid process] Tada S. **Rinsho Hoshasen** 1984 Oct;29(10):1139–40 **(Jpn)**

[Occipito-cervical dysplasia] Coria F, et al. **Med Clin (Barc)** 1985 Feb 9;84(5):199–205 (87 ref.) **(Spa)**

ANATOMY & HISTOLOGY

[The jugular foramen, the inferior bulb of the jugular vein and their surgical approach] Brémond G, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):489–97 (Eng. Abstr.) **(Fre)**

[Effect of artificial skull deformation in vitro on sensory performance in the human. Morphologic and tomographic study based on the calvarium E2 of Tell es Sultan/Jericho (7th millenium b.c.)] Röhrer-Ertl O, et al. **Gegenbaurs Morphol Jahrb** 1984;130(5):677–97 (Eng. Abstr.) **(Ger)**

INJURIES

Analysis of the treatment of basilar skull fractures with and without antibiotics. Ignelzi RJ, et al. **J Neurosurg** 1975 Dec;43(6):721–6

Traumatic aneurysm of the posterior inferior cerebellar artery caused by fracture of the clivus. Meguro K, et al. **Neurosurgery** 1985 May;16(5):666–8

[A rare case of fracture of the posterior cranial fossa] Gruszewicz Z, et al. **Otolaryngol Pol** 1984;38(4):343–7 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Cerebrospinal fluid rhinorrhea with bilateral intradiploic epidermoid tumors: a case report. Naheedy MH, et al. **Comput Radiol** 1985 Mar-Apr;9(2):125–8

Tuberous sclerosis with an atypical radiological skull change: case report. Terada T, et al. **Neurosurgery** 1985 Jun;16(6):804–7

[A rarely recognized metastatic localization. Secondary involvement of the occipito-cervical joint] Belloir A, et al. **J Radiol** 1984 Oct;65(10):705–9 (Eng. Abstr.) **(Fre)**

SURGERY

[Various technics of occipito-cervical fusion] Trentz O, et al. **Langenbecks Arch Chir** 1984;364:347–50 (Eng. Abstr.) **(Ger)**

OCCIPITAL LOBE

Relative afferent pupillary defect in congenital occipital hemianopia. Tychsen L, et al. **Am J Ophthalmol** 1985 Aug 15;100(2):345–6

Accelerated regeneration of central catecholamine fibers in cat occipital cortex: effects of substance P. Nakai K, et al. **Brain Res** 1984 Dec 10;323(2):374–9

Primitive neuroectodermal tumor with choroid plexus differentiation. Janzer RC, et al. **Clin Neuropathol** 1985 May-Jun;4(3):93–8

Occipital neuralgia and the C1-2 arthrosis syndrome. Ehni G, et al. **J Neurosurg** 1984 Nov;61(5):961–5

Rapid fading of visual sensations in a subject with a parietal-occipital tumour. Holliday IE, et al. **Ophthalmic Physiol Opt** 1985;5(2):149–56

Astroblastoma of pure type. Yamashita J, et al. **Surg Neurol** 1985 Aug;24(2):218–22

ABNORMALITIES

Occipital lobe dysplasia. Magnetic resonance findings in two cases of isolated congenital hemianopia. Tychsen L, et al. **Arch Ophthalmol** 1985 May;103(5):680–2

ANALYSIS

Effect of reduction of cholinergic input on the concentration of specific proteins in different cortical regions of the rat brain. Heydorn WE, et al. **Brain Res** 1985 Jul 29;339(2):209–18

ANATOMY & HISTOLOGY

Overstimulation, occipital/somesthetic cerebral cortical depth, and cortical asymmetry in mice. Lindroos OF, et al. **Dev Psychobiol** 1984 Sep;17(5):547–54

Grooves on the occipital lobe of Indian brains. Bisaria KK. **J Anat** 1984 Oct;139 (Pt 3):579–82

[Connections between the posterolateral nucleus of the thalamus and the parietal and occipital areas of the cerebral hemispheres in the cat] Zhvaniia MG. **Arkh Anat Gistol Embriol** 1985 Apr;88(4):20–4 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Disturbance of smooth pursuit caused by infarction of occipitoparietal cortex. Leigh RJ, et al. **Ann Neurol** 1985 Feb;17(2):185–7

Importance of evaluating the central visual field in occipital lobe lesions [letter] Wall M. **Arch Neurol** 1985 Apr;42(4):309–10

Occipital infarctions associated with hemiparesis. Johansson T. **Eur Neurol** 1985;24(4):276–80

Palinoptic phenomena as an error mechanism in resolving alexia without agraphia. A case report. Lang C. **Eur Neurol** 1985;24(4):248–53

Occipital cortical infarction complicating respiratory failure. Frangieh GT, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):155–8

[Alexia without agraphia in an ambidexterous patient due to the right occipital lobe lesion] Yamaguchi S, et al. **Rinsho Shinkeigaku** 1984 Jul;24(7):711–5 (Eng. Abstr.) **(Jpn)**

[Giant-cell arteritis arising in the occipital region (letter)] Antón Aranda E, et al. **Rev Clin Esp** 1985 Apr;176(7):371–2 **(Spa)**

CYTOLOGY

On layer III pyramidal cells in the parastriate borderzone of man. Braak E, et al. **J Hirnforsch** 1985;26(2):117–25

GROWTH & DEVELOPMENT

Fetal occipital cortical neurones transplanted to the rostral cortex can extend and maintain a pyramidal tract axon. Stanfield BB, et al. **Nature** 1985 Jan 10-18;313(5998):135–7

INJURIES

Traumatic bilateral homonymous hemianopic scotomas. Halpern JI, et al. **Ann Ophthalmol** 1980 Sep;12(9):1022–6

PHYSIOLOGY

Residual visuomotor behaviour after bilateral removal of the occipital lobe in the rabbit. De Vos-Korthals WH, et al. **Behav Brain Res** 1985 May;15(3):205-9

Occipital distribution of foveal half-field responses. Brecelj J, et al. **Doc Ophthalmol** 1985 Feb;59(2):157-65

Effects of chronic administration of D-amphetamine on PGO wave activity in the cat. Trulson ME, et al. **Neuropharmacology** 1984 Oct;23(10):1151-60

The lateralization of occipital alpha-power under resting conditions in the EEG of healthy volunteers. A state- and a trait-variable. Ulrich G, et al. **Pharmacopsychiatry** 1985 May;18(3):246-51

[Occipital spikes in the blind during sleep] Espinar Sierra J, et al. **Arch Neurobiol (Madr)** 1984 Jul-Aug;47(4):203-12 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The effect of age, sex and interstimulus interval on augmenting and reducing of occipital VEPs. Cohn NB, et al. **Electroencephalogr Clin Neurophysiol** 1985 May;62(3):177-83

Quantitative analysis of occipital EEG in different stages of Alzheimer's disease. Penttilä M, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jan;60(1):1-6

RADIOGRAPHY

Ischemic lesions of the occipital cortex and optic radiations: positron emission tomography. Bosley TM, et al. **Neurology** 1985 Apr;35(4):470-84

Unexplained bilateral occipital calcification and reduced vision. Del Giudice E, et al. **Neuropediatrics** 1984 Oct;15(4):218-9

OCCLUSAL EQUILIBRATION see **DENTAL OCCLUSION, BALANCED**

OCCLUSIVE DRESSINGS

Silastic foam dressing: an appraisal [letter] Regnard C, et al. **Ann R Coll Surg Engl** 1985 Jul;67(4):271

Management of leg ulcers with hydrocolloid occlusive dressing. Friedman SJ, et al. **Arch Dermatol** 1984 Oct;120(10):1329-36

Pressure sore management: efficacy of a moisture reactive occlusive dressing. Yarkony GM, et al. **Arch Phys Med Rehabil** 1984 Oct;65(10):597-600

Inadequacies in a wound infection study [letter] Strickland DM. **Arch Surg** 1984 Nov;119(11):1347-8

Comparison of Biobrane and Scarlet Red dressings for treatment of donor site wounds. Zapata-Sirvent R, et al. **Arch Surg** 1985 Jun;120(6):743-5

Preliminary report on the use of a new hydrocolloid dressing in the treatment of burns. Hermans MH, et al. **Burns Incl Therm Inj** 1984 Dec;11(2):125-9

Clinical evaluation of a new occlusive hydrocolloid dressing. Mulder GD, et al. **Cutis** 1985 Apr;35(4):396-7, 400

Multicenter clinical evaluation of a hydrocolloid dressing for leg ulcers. van Rijswijk L, et al. **Cutis** 1985 Feb;35(2):173-6

Serratia rubidaea isolated from a silastic foam dressing. Parment PA, et al. **Infection** 1984 Jul-Aug;12(4):268-9

Use of the vapor permeable membrane for cutaneous ulcers: details of application and side effects. Alper JC, et al. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 1):858-66

Experiences with biosynthetic dressings. Eaglstein WH. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 2):434-40

Dermal wound repair: role of collagen matrix implants and synthetic polymer dressings. Leipziger LS, et al. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 2):409-19

Occlusive wound dressings to prevent bacterial invasion and wound infection. Mertz PM, et al. **J Am Acad Dermatol** 1985 Apr;12(4):662-8

A comparison of the in-vitro antibacterial and complement activating effect of 'OpSite' and 'Tegaderm' dressings. Holland KT, et al. **J Hosp Infect** 1984 Sep;5(3):323-8

Experimental infection and hydrogel dressings. Leaper DJ, et al. **J Hosp Infect** 1984 Dec;5 Suppl A:69-73

Biobrane--a useful adjunct in the therapy of outpatient burns. Klein RL, et al. **J Pediatr Surg** 1984 Dec;19(6):846-7

Evaluation of surgical tapes for wound closure. Rodeheaver GT, et al. **J Surg Res** 1985 Sep;39(3):251-7

Clearing of psoriatic lesions after the application of tape [letter] Shore RN. **N Engl J Med** 1985 Jan 24;312(4):246

Trial of a new dressing in venous leg ulcers. Cherry GW, et al. **Practitioner** 1984 Dec;228(1398):1175-8

What grows beneath Op-Site surgical wound dressing? [letter] Schein M, et al. **S Afr Med J** 1984 Nov 17;66(20):752-3

Expanded use of suction drains. Johnson FE. **Surg Gynecol Obstet** 1985 May;160(5):469

[Use of Synkryt--prevention of epidermal loss and protection during reepithelialization in partial dermal burns] Drobik E, et al. **Rozhl Chir** 1985 Feb;64(2):152-5 (Eng. Abstr.) **(Cze)**

[A new concept of dressing: silastic foam] Balique JG, et al. **J Chir (Paris)** 1984 Nov;121(11):685-9 (Eng. Abstr.) **(Fre)**

[Leg ulcers: so-called active dressings] Cornu-Thenard A. **Phlebologie** 1984 Jul-Sep;37(3):365-8 (Eng. Abstr.) **(Fre)**

[Primary closure of split thickness skin donor sites using surgical foil] Erbs G. **Handchir Mikrochir Plast Chir** 1985 Mar;17(2):67-8 (Eng. Abstr.) **(Ger)**

[Temporary covering in the surgery of skin tumors] Petres J, et al. **Z Hautkr** 1985 Jan;60(1-2):185-96 (Eng. Abstr.) **(Ger)**

[Evaluation of absorbent dressings as antimicrobial vehicles] Mariani U, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Jul-Aug;39(4):163-7 (Eng. Abstr.) **(Por)**

[Silicone foam dressing in the surgery of hypospadias] Aragona F, et al. **Arch Esp Urol** 1984 Dec;37 Suppl 1:606-8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Delayed wound healing with adhesive wound dressings. Zitelli JA. **J Dermatol Surg Oncol** 1984 Sep;10(9):709-10

A comparison of the morbidity associated with occlusive and non-occlusive dressings applied to peripheral intravenous devices. Kelsey MC, et al. **J Hosp Infect** 1984 Sep;5(3):313-21

OCCULT BLOOD

see related
MELENA

Screening for gastrointestinal bleeding. Bell RL. **Ala Med** 1984 Nov;54(5):9-10, 14

Occult blood testing using tetramethylbenzidine in an extraction procedure for patients on unrestricted diets. Zierdt WS, et al. **Am J Clin Pathol** 1985 Apr;83(4):486-8

Gastrointestinal blood loss in runners [letter] Macrae F, et al. **Ann Intern Med** 1984 Dec;101(6):875

Isidore Snapper (1889-1973) and quantitative assay of fecal hemoglobin [letter] Wilson JH, et al. **Ann Intern Med** 1985 May;102(5):721

Significance of a positive test for occult blood in stools of patients taking anti-inflammatory drugs. Bahrt KM, et al. **Arch Intern Med** 1984 Nov;144(11):2165-6

Stool blood testing for colorectal cancer [letter] Norfleet RG. **Arch Intern Med** 1985 May;145(5):954

False-positive guaiac testing with iodine. Blebea J, et al. **Arch Pathol Lab Med** 1985 May;109(5):437-40

Colorectal cancer screening. Faecal occult blood tests. McDonald C. **Aust Fam Physician** 1985 Apr;14(4):273, 276-7

Immunochemical detection of fecal occult blood [letter] Williams JA, et al. **Aust NZ J Med** 1985 Feb;15(1):81-2

A comparison of an immunological faecal occult blood test Fecatwin sensitive/FECA EIA with Haemoccult in population screening for colorectal cancer. Armitage N, et al. **Br J Cancer** 1985 Jun;51(6):799-804

Stage of colorectal carcinoma and rate of blood loss [letter] Fromer D, et al. **Br J Cancer** 1985 Aug;52(2):285-6

Immunological detection of occult blood in faeces in colorectal cancer [letter] St. John DJ, et al. **Br J Cancer** 1984 Dec;50(6):853-4

Faecal occult blood testing in the detection of colorectal cancer. Elliot MS, et al. **Br J Surg** 1984 Oct;71(10):785-6

Fecal occult blood test [letter] Greegor DH. **CA** 1984 Nov-Dec;34(6):352-3

The diagnostic value of the hemoccult as a screening test in patients taking anticoagulants. Kewenter J, et al. **Cancer** 1984 Dec 15;54(12):3054-8

Screening for occult blood in selected patients. The potential for false-negatives. Morris DM, et al. **Cancer** 1984 Nov 15;54(10):2272

An immunologic test for fecal occult blood by counter immunoelectrophoresis. Higher sensitivity and higher positive reactions in colorectal cancer than single radial immunodiffusion and hemoccult test. Saito H, et al. **Cancer** 1985 Oct 1;56(7):1549-52

Occult blood testing in asymptomatic patients previously resected for colorectal cancer. Aste H, et al. **Cancer Detect Prev** 1984;7(4):237-40

A new sample collecting and testing system for the detection of occult blood in feces. Wardlaw SC, et al. **Conn Med** 1985 Mar;49(3):151-6

A comparison of faecal blood loss caused by tenoxicam and piroxicam in normal healthy male volunteers. Bird HA, et al. **Curr Med Res Opin** 1985;9(8):524-8

Comparison of occult blood loss caused by pirazolac and diclofenac sodium: a double-blind crossover study. Bown RL, et al. **Curr Med Res Opin** 1985;9(8):548-51

Sensitivity of hemoccult testing in patients with colorectal carcinoma. Wexner SD, et al. **Dis Colon Rectum** 1984 Dec;27(12):775-6

Accuracy of occult blood tests over a six-day period [letter] St John DJ, et al. **Eur J Surg Oncol** 1985 Jun;11(2):200-1

Occult blood in colorectal cancer [letter] **Gastroenterology** 1985 Sep;89(3):704-6

Occult blood screening [letter] Armitage NC, et al. **Gastroenterology** 1985 Oct;89(4):927

Occult blood screening for colorectal carcinoma: a critical review. Simon JB. **Gastroenterology** 1985 Mar;88(3):820-37 (154 ref.)

Recruitment of subjects for fecal occult blood screening: a comparison of two methods in Jerusalem. Slater PE, et al. **J Clin Gastroenterol** 1985 Feb;7(1):51-4

The coloscreen self-test for detection of fecal occult blood. Rodney WM, et al. **J Fam Pract** 1985 Sep;21(3):200-4

New screening method for occult gastrointestinal bleeding: immunologic and guaiac slide tests. Stelling HP, et al. **J Fam Pract** 1984 Dec;19(6):757-61

Screening colorectal cancer: fecal occult blood tests. Boone WT. **J Miss State Med Assoc** 1985 Apr;26(4):95-7

HemoQuant test for occult blood: the Sherlock Holmes test? Ahlquist DA, et al. **Mayo Clin Proc** 1984 Nov;59(11):766-8

Immunochemical testing for faecal occult blood in patients with colorectal cancer. McDonald C, et al. **Med J Aust** 1985 Aug 19;143(4):141-3

The clinical value of Haemoccult and Fecatwin in the detection of colorectal neoplasia in hospital and general practice patients. Barrison IG, et al. **Postgrad Med J** 1985 Aug;61(718):701-4

Relative sensitivity of the fecal occult blood test and flexible sigmoidoscopy in detecting polyps. Demers RY, et al. **Prev Med** 1985 Jan;14(1):55-62

Vegetable peroxidase inhibitor--an improvement in the guaiac fecal occult blood test. Fleisher M, et al. **Prog Clin Biol Res** 1985;186:57-63

Screening for colorectal cancer: the rationale and a recent advance in the detection of fecal occult blood. Friend WG. **Prog Clin Biol Res** 1985;186:65-76

Hemoquant--an approach to screening for fecal occult blood. McGill DB, et al. **Prog Clin Biol Res** 1985;186:45-56

Five guaiac-based tests for occult blood in faeces compared in vitro and in vivo. Adlercreutz H, et al. **Scand J Clin Lab Invest** 1984 Oct;44(6):519-28

Intervention in large bowel carcinogenesis--does screening improve prognosis? Farrands PA, et al. **Scand J Gastroenterol [Suppl]** 1984;104:151-9

Serial Hemoccult stool screening for colorectal cancer. Gardner SS, et al. **W Va Med J** 1985 Jan;81(1):5-10

Screening for occult fecal blood: results of an initial voluntary community screening campaign. Jones FE, et al. **Wis Med J** 1984 May;83(5):24-8

[Sensitivity and specificity of the Hemoccult test compared with fibrosigmoidoscopy in the detection of colorectal polyps (letter)] Ndjitoyap C, et al. **Gastroenterol Clin Biol** 1984 Aug-Sep;8(8-9):678-9 **(Fre)**

[Screening for recto-colic neoplasms by the detection of occult blood in the stool: a study in the hospital milieu] Zolenko D, et al. **Rev Med Liege** 1985 Jun 15;40(12):498-505 **(Fre)**

[The status of screening for occult blood in the feces] Herzog P. **Dtsch Med Wochenschr** 1984 Dec 7;109(49):1890-2 **(Ger)**

[Screening for colo-rectal neoplasms by the study of fecal occult blood] Castiglione G, et al. **Quad Sclavo Diagn** 1984 Dec;20(4):440-50 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of immunochemical fecal occult blood test] Kaneko E, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):2930-4 (Eng. Abstr.) **(Jpn)**

[An immunological test for fecal occult blood by counter immunoelectrophoresis: second report. Comparison in sensitivity to detect hemoglobin and positive reactions immunodiffusion and hemoccult test] Saito H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):2935-9 (Eng. Abstr.) **(Jpn)**

[Replacing the carcinogenic agent benzidine with a safe reagent for sanitary control] Iogannsen MG. **Gig Sanit** 1985 May;(5):75-7 **(Rus)**

[Results of Hemoccult screening of 45- to 65-year-old residents of the town of Ada with the goal of early detection of malignant neoplasms of the colon and rectum] Burany B, et al. **Med Pregl** 1985;38(1-2):77-81 (Eng. Abstr.) **(Ser)**

METHODS

Fecal blood levels in health and disease. A study using HemoQuant. Ahlquist DA, et al. **N Engl J Med** 1985 May 30;312(22):1422-8

Quantitating the occult [editorial] Peterson WL, et al. **N Engl J Med** 1985 May 30;312(22):1448-50

OCCULTISM

Dramaturgy of occult practitioners in the treatment of disease and dysfunction entities. Davis PW, et al. **Soc Sci Med** 1984;19(7):691-8

OCCUPATIONAL AIR POLLUTANTS see **AIR POLLUTANTS, OCCUPATIONAL**

OCCUPATIONAL DERMATITIS

[Allergic diseases in the cosmetics industry] Campiglio R, et al. **Med Lav** 1984 Sep-Oct;75(5):407-11 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Complaints relating to the handling of carbonless copy paper in Sweden. Jeansson K, et al. **Am Ind Hyg Assoc J** 1984 Nov;45(11):B24, B26-7

Biochemical study of pentachlorophenol workers. Baxter RA. **Ann Occup Hyg** 1984;28(4):429-38

Contact allergy to aziridine paint hardener. Cofield BG, et al. **Arch Dermatol** 1985 Mar;121(3):373-6

Allergic contact dermatitis to dimer acid product--a flexibilizing epoxy resin hardener. Wall LM. **Australas J Dermatol** 1984 Dec;25(3):125-6

Occupational dermatoses from cutting oils. Alomar A, et al. **Contact Dermatitis** 1985 Mar;12(3):129-38

Biocide patch tests. Andersen KE, et al. **Contact Dermatitis** 1985 Feb;12(2):99-103

Allergic contact dermatitis to Bayo-N-OX-1. Bedello PG, et al. **Contact Dermatitis** 1985 May;12(5):284

Contact allergy to glycidyl trimethyl ammonium chloride. Bergqvist-Karlsson A. **Contact Dermatitis** 1985 Jan; 12(1):61-2

Dermatitis in small-scale metal industries. Coenraads PJ, et al. **Contact Dermatitis** 1985 Mar;12(3):155-60

Pustular reactions to hexafluorosilicate in foam rubber. Dooms-Goossens A, et al. **Contact Dermatitis** 1985 Jan; 12(1):42-7

False-positive, follicular and irritant patch test reactions to metal salts. Fischer T, et al. **Contact Dermatitis** 1985 Feb; 12(2):93-8

Allergic contact dermatitis due to 1,2-benzisothiazolin-3-one in gum arabic. Freeman S. **Contact Dermatitis** 1984 Sep; 11(3):146-9

Occupational pigmented contact dermatitis from azo-dyes. Fujimoto K, et al. **Contact Dermatitis** 1985 Jan;12(1):15-7

Dermatitis from aziridine hardener in printing ink. Garabrant DH. **Contact Dermatitis** 1985 Apr;12(4):209-12

Photoallergic contact dermatitis to carbimazole. Goh CL, et al. **Contact Dermatitis** 1985 Jan;12(1):58-9

Irritant dermatitis from tri-N-butyl tin oxide in paint. Goh CL. **Contact Dermatitis** 1985 Mar;12(3):161-3

Chin rest allergy in a violinist. Hausen BM. **Contact Dermatitis** 1985 Mar;12(3):178-80

Occupational allergic contact dermatitis to povidone-iodine. Lachapelle JM. **Contact Dermatitis** 1984 Sep;11(3):189-90

Anhydrite dermatitis in coal mines. An airborne irritant reaction assessed by laser Doppler flowmetry. Lachapelle JM, et al. **Contact Dermatitis** 1984 Sep;11(3):188-9

Contact dermatitis from the irritancy (immediate and delayed) and allergenicity of hydroxypropyl acrylate. Lovell CR, et al. **Contact Dermatitis** 1985 Feb;12(2):117-8

Isolated Cardura E10 sensitivity in an epoxy resin chemical process. Lovell CR, et al. **Contact Dermatitis** 1984 Sep; 11(3):190-1

Phenolformaldehyde resin in paper. Malten KE, et al. **Contact Dermatitis** 1984 Aug;11(2):127-8

Contact dermatitis in tie and dye industry workers. Mathur NK, et al. **Contact Dermatitis** 1985 Jan;12(1):38-41

Contact dermatitis to CD4. Menezes Brandão F, et al. **Contact Dermatitis** 1985 Jan;12(1):48

Occupational dermatitis from Gordolobo (Mullein). Romaguera C, et al. **Contact Dermatitis** 1985 Mar;12(3):176

Contact dermatitis to Alstroemeria. Santucci B, et al. **Contact Dermatitis** 1985 Apr;12(4):215-9

Contact dermatitis from Euphorbia pulcherrima. Santucci B, et al. **Contact Dermatitis** 1985 May;12(5):285-6

Contact urticaria from paraphenylenediamine. Temesvari E. **Contact Dermatitis** 1984 Aug;11(2):125

Allergy to benzylamine and benzyl-1-amino-3 chloro-2 hydroxypropane. van Ketel WG. **Contact Dermatitis** 1984 Sep;11(3):186

Occupational contrast media dermatitis: meglumine diatrizoate. Verschaeve A, et al. **Contact Dermatitis** 1984 Nov;11(5):318-9

Transferrin C subtypes and occupational photodermatosis of the face. Beckman L, et al. **Hum Hered** 1985;35(2):89-94

Airborne contact urticaria due to sodium benzoate in a pharmaceutical manufacturing plant. Nethercott JR, et al. **J Occup Med** 1984 Oct;26(10):734-6

Permanent-wave contact dermatitis [letter] Burry JN. **Med J Aust** 1985 Jan 7;142(1):78

[Allergic contact eczema caused by isothiazolin-3-one derivatives] Foussereau J, et al. **Derm Beruf Umwelt** 1984; 32(6):208-11 (Eng. Abstr.) **(Ger)**

[Occupational contact dermatitis caused by dichlorvos pesticide] Stoermer D. **Dermatol Monatsschr** 1985; 171(4):245-9 (Eng. Abstr.) **(Ger)**

[Effectiveness of hand-protective salves in urea contamination] Schubert H, et al. **Z Gesamte Hyg** 1984 Sep;30(9):523-5 (Eng. Abstr.) **(Ger)**

[Late manifestations in former mustard gas workers with special reference to cutaneous findings] Klehr NW. **Z Hautkr** 1984 Sep 1;59(17):1161-4, 1167-70 (Eng. Abstr.) **(Ger)**

[Dermatitis caused by glues. Apropos of 2 cases] Francalanci S, et al. **G Ital Dermatol Venereol** 1985 May-Jun; 120(3):203-6 (Eng. Abstr.) **(Ita)**

[Study of a group of subjects occupationally exposed to tartaric acid] Moscato G, et al. **G Ital Med Lav** 1983 Sep; 5(5):193-8 (Eng. Abstr.) **(Ita)**

[Formaldehyde--its use and effect on the human body] Taraszkiewicz F, et al. **Pol Tyg Lek** 1984 Jul 9;39(28):963-4 **(Pol)**

[Hypersensitivity to acrylates] Dynowska D. **Przegl Dermatol** 1984 Mar-Apr;71(2):171-6 (16 ref.) **(Pol)**

[Nickel hypersensitivity] Rudzki E, et al. **Przegl Dermatol** 1984 Sep-Oct;71(5):431-5 (Eng. Abstr.) **(Pol)**

[Sensitivity to carbamate accelerators in rubber processing] Rudzki E, et al. **Przegl Dermatol** 1984 Mar-Apr;71(2):121-5 (Eng. Abstr.) **(Pol)**

[Contact allergy to the rubber cure accelerator, thiohexam] Rudzki E, et al. **Przegl Dermatol** 1984 May-Jun;71(3):221-3 (Eng. Abstr.) **(Pol)**

[Contact dermatitis associated with bronchial hyperreactivity in workers chronically exposed to detergents] Wasik F, et al. **Przegl Dermatol** 1984 Mar-Apr;71(2):127-33 (Eng. Abstr.) **(Pol)**

[Toxicodermia of occupational etiology resulting from contact with rubber cement] Tsyrkunov LP. **Gig Tr Prof Zabol** 1985 Mar;(3):52-3 **(Rus)**

[Occupational dermatitis caused by pyrocatechol] Chistiakov ND, et al. **Vestn Dermatol Venerol** 1985 Feb;(2):59-60 (Eng. Abstr.) **(Rus)**

[Effect of industrial oils of Apsheron on the sebaceous-hair system of the skin in workers] Gusein-Zade KM, et al. **Vestn Dermatol Venerol** 1984 Oct;(10):55-8 (Eng. Abstr.) **(Rus)**

[Occupational toxicoderma caused by naphthalene] Tsyrkunov LP, et al. **Vestn Dermatol Venerol** 1985 May; (5):50-2 (Eng. Abstr.) **(Rus)**

[Contact-sensitivity to p-tert-butylphenol formol (PTBP resin)] Conde-Salazar L, et al. **Med Cutan Ibero Lat Am** 1984;12(6):449-56 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Erythema multiforme associated with contact dermatitis. Friedman SJ, et al. **Contact Dermatitis** 1985 Jan;12(1):21-3

The role of atopy in occupational dermatoses. Shmunes E, et al. **Contact Dermatitis** 1984 Sep;11(3):174-8

[State of the nervous system in subjects with allergic symptoms and in occupational contact with synthetic fibers] Mukhtarova ND. **Gig Tr Prof Zabol** 1985 Jun; (6):23-7 (Eng. Abstr.) **(Rus)**

[State of the nervous system in subjects with allergic manifestations having occupational contact with synthetic fibers] Mukhtarova ND. **Gig Tr Prof Zabol** 1985 Jun; (6):27-8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Primary and secondary sites of occupational contact dermatitis. Meneghini CL, et al. **Derm Beruf Umwelt** 1984; 32(6):205-7

Occupational skin disease. Foulds IS. **Practitioner** 1985 Jun; 229(1404):525-9

[Occupational yeast infection of the skin--an expert opinion] Zschunke E, et al. **Dermatol Monatsschr** 1985;171(6):360-5 (Eng. Abstr.) **(Ger)**

[Legal evaluation of occupation-induced dermatoses] Zschunke E, et al. **Dermatol Monatsschr** 1984;170(10):632-6 (Eng. Abstr.) **(Ger)**

[Case of an occupational disease incorrectly diagnosed] Rudzki E, et al. **Przegl Dermatol** 1984 Jul-Aug; 71(4):339-41 (Eng. Abstr.) **(Pol)**

[Toxico-hygienic evaluation of zinc dialkyldithiophosphates in oil compositions of lubricating-cooling liquids] Porutskii GV, et al. **Gig Tr Prof Zabol** 1984 Aug;(8):54-5 **(Rus)**

[Skin pathology at an automobile plant] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1985 Jan;(1):50-2 (Eng. Abstr.) **(Rus)**

[Method of preparing an allergen from uncured polymers in the allergic diagnosis of occupational dermatoses] Bozhefatov AS, et al. **Vestn Dermatol Venerol** 1985 Jun; (6):15-7 (Eng. Abstr.) **(Rus)**

[Hematological methods of occupational screening and detection of latent sensitization in patients with occupational dermatoses] Flomen ED. **Vestn Dermatol Venerol** 1984 Dec;(12):46-9 (Eng. Abstr.) **(Rus)**

ECONOMICS

The cost of occupational skin disease [editorial] Mathias CG. **Arch Dermatol** 1985 Mar;121(3):332-4

ETIOLOGY

Contact dermatitis caused by cobalt naphthenate. Bedello PG, et al. **Contact Dermatitis** 1984 Oct;11(4):247

Contact dermatitis from the epoxy resins tetraglycidyl-4,4'-methylene dianiline and o-diglycidyl phthalate in composite material. Burrows D, et al. **Contact Dermatitis** 1984 Aug;11(2):80-2

Contact dermatitis to wood wool. Daly BM, et al. **Contact Dermatitis** 1984 Aug;11(2):123

Occupational dermatitis caused by snackbar meat products. de Boer EM, et al. **Contact Dermatitis** 1984 Nov;11(5):322

Protein contact dermatitis with positive RAST caused by bovine blood and amniotic fluid. Degreff H, et al. **Contact Dermatitis** 1984 Aug;11(2):129-30

Occupational dermatitis in a butcher. Fancalanci S, et al. **Contact Dermatitis** 1984 Nov;11(5):320-1

Contact dermatitis due to bisphenol A in semi-synthetic waxes. Freeman K, et al. **Contact Dermatitis** 1984 Oct; 11(4):259-60

Cement dermatitis with isolated cobalt sensitivity. Garcia J, et al. **Contact Dermatitis** 1985 Jan;12(1):52

Allergic contact dermatitis to ranitidine. Goh CL, et al. **Contact Dermatitis** 1984 Oct;11(4):252

Contact dermatitis to lettuce. Helander I. **Contact Dermatitis** 1984 Oct;11(4):249

Allergic contact dermatitis from rubber boots. Ho VC, et al. **Contact Dermatitis** 1985 Feb;12(2):110-1

Contact sensitivity to thiourea in photocopy paper. Kellett JK, et al. **Contact Dermatitis** 1984 Aug;11(2):124

Contact allergy to unsaturated polyester in a boatbuilder. Liden C, et al. **Contact Dermatitis** 1984 Oct;11(4):262-4

Contact allergy to the photographic chemical PBA-1. Liden C. **Contact Dermatitis** 1984 Oct;11(4):256

Allergy to cutting oil. Shrank AB. **Contact Dermatitis** 1985 Apr;12(4):229

Occupational contact with coins in nickel-allergic patients. van Ketel WG. **Contact Dermatitis** 1985 Feb;12(2):108

Contact dermatitis from grape bud. Yamasaki R, et al. **Contact Dermatitis** 1985 Apr;12(4):226-7

Allergic contact dermatitis to ammonium thioglycolate. Yamasaki R, et al. **Contact Dermatitis** 1984 Oct;11(4):255

Platinum allergy. Boggs PB. **Cutis** 1985 Apr;35(4):318-20

The persulfates: a triple threat. Part II: Occupational exposures. Fisher AA. **Cutis** 1985 Jul;36(1):25-7

Contact dermatitis caused by Brucella. Trunnell TN, et al. **Cutis** 1985 Apr;35(4):379-81

Dermatological problems with synthetic resins and plastics in glues. Part II. Malten KE. **Derm Beruf Umwelt** 1984; 32(4):118-25

Contact dermatitis in workers processing polyvinyl chloride plastics. Vidović R, et al. **Derm Beruf Umwelt** 1985; 33(3):104-5

Dermatitis from trimethylolpropane triacrylate. **Food Chem Toxicol** 1985 Jan;23(1):124-6

Terminal illness [letter] Feldman LR, et al. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):366

Sudden onset irritant dermatitis in a car component factory. Zsigmond A. **J Soc Occup Med** 1985 May;35(2):62-4

Toxic effects of marine plywood [letter] Gidseg G. **JAMA** 1985 Feb 15;253(7):980-1

Polypodium fern wreaths (Hagnaya). A new source of occupational mite dermatitis. Shelley WB, et al. **JAMA** 1985 Jun 7;253(21):3137-8

Exposure to hot environments can cause dermatological problems. DiBenedittо JP, et al. **Occup Health Saf** 1985 Jan;54(1):35-8

Food substances may cause skin reactions among handlers. Mathias CG. **Occup Health Saf** 1984 Oct;53(9):53-4, 56

Hypersensitivity among woodworkers in South Africa. Pitt ML, et al. **S Afr Med J** 1985 Jan 12;67(2):62

Chloracne, 'the hallmark of dioxin intoxication'. Suskind RR. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):165-71

[Allergic contact dermatitis due to Asteraceae (Compositae). Cross reaction with Liatris spicata] Goerz G, et al. **Derm Beruf Umwelt** 1985;33(3):95-8 (Eng. Abstr.) **(Ger)**

[Prospective study of the importance of constitutional parameters in the development of eczema in hairdressers and construction workers] Hornstein OP, et al. **Derm Beruf Umwelt** 1985;33(2):43-9 (Eng. Abstr.) **(Ger)**

[Allergic contact eczema caused by alpha-naphthylisothiocyanate in a chemistry laboratory assistant] Heine A, et al. **Dermatol Monatsschr** 1985; 171(3):201-4 (Eng. Abstr.) **(Ger)**

[Dimethoate and dithiocarbamate as occupational contact allergens in a female agrotechnician] Pambor M, et al. **Dermatol Monatsschr** 1985;171(6):401-5 (Eng. Abstr.) **(Ger)**

[Phytophotodermatitis caused by fig tree] Goitre M, et al. **G Ital Dermatol Venereol** 1984 Nov-Dec;119(6):435-6 **(Ita)**

[Oil-induced acne in workers in the automobile industry] Santarius-Kaczur D. **Med Pr** 1984;35(4):309-11 (Eng. Abstr.) **(Pol)**

[Skin changes in persons exposed to asbestos] Kiec-Swierczynska M. **Przegl Dermatol** 1984 Jul-Aug; 71(4):333-7 (Eng. Abstr.) **(Pol)**

[Occupational dermatoses in workers engaged in the manufacture of asbestos cement products] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):33-4 (Eng. Abstr.) **(Rus)**

[Trichophyton gallinae as a causative agent of trichophytosis in birds and humans] Arievich AM, et al. **Vestn Dermatol Venerol** 1984 Oct;(10):23-8 (Eng. Abstr.) **(Rus)**

[Occupational allergic dermatitis in tannery workers] Shadiev KhSh. **Vestn Dermatol Venerol** 1985 Feb;(2):56-9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The problem of the sensitization to dithiocarbamates in thiuram-allergic patients. van Ketel WG, et al. **Dermatologica** 1984;169(2):70-5

OCCURRENCE

Occupational pitted keratolysis. Eun HC, et al. **Contact Dermatitis** 1985 Feb;12(2):122

Skin and respiratory tract symptoms in veterinary surgeons. Falk ES, et al. **Contact Dermatitis** 1985 May;12(5):274-8

Occupational dermatoses in Singapore. Goh CL, et al. **Contact Dermatitis** 1984 Nov;11(5):288-93

Work-related hand eczema in atopics. Rystedt I. **Contact Dermatitis** 1985 Mar;12(3):164-71

Atopic background in patients with occupational hand eczema. Rystedt I. **Contact Dermatitis** 1985 May; 12(5):247-54

Leads from the MMWR. Phytophotodermatitis among grocery workers. **JAMA** 1985 Feb 8;253(6):753

Dermatitis among hospital workers--Oregon. **MMWR** 1984 Dec 7;33(48):681-2

Phytophotodermatitis among grocery workers--Ohio. **MMWR** 1985 Jan 11;34(1):11-3

[Statistical analysis of 1951 cases of occupational dermatosis in Shanghai chemical plants] Zong ZH, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Mar;19(2):90-2

(Eng. Abstr.) **(Chi)**

[Occurrence of infectious occupational dermatoses in East Germany 1970-1982] Frisch A, et al. **Dermatol Monatsschr** 1984;170(8):493-7 (Eng. Abstr.) **(Ger)**

[Development of occupational eczema in agriculture in the district of Magdeburg since 1966. 1] Helmdach F, et al. **Dermatol Monatsschr** 1984;170(10):625-31 (Eng. Abstr.) **(Ger)**

[Epidemiology of occupational dermatoses (IV)] Laubstein H, et al. **Dermatol Monatsschr** 1985;171(1):2-13 (Eng. Abstr.) **(Ger)**

[Dermatologic morbidity and skin function in miners in deep potassium mines] Ashel'rod AA, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):34-8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pulling boat hands: a unique dermatosis from coastal New England. Toback AC, et al. **J Am Acad Dermatol** 1985 Apr;12(4):649-55

[Evaluation of dermatologic impairment in occupational health] Durocher LP, et al. **Can Med Assoc J** 1984 Nov 1;131(9):1047-9 (Eng. Abstr.) **(Fre)**

[Irritant effect of tensides on occupational dermatitis patients in hairdressing and nursing occupations. Comparative studies of healthy persons and neurodermatitis patients] Gloor M, et al. **Derm Beruf Umwelt** 1985;33(3):86-9 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Role of disorders in the barrier-protective function of the skin, protein metabolism and enzyme activity in workers engaged in the manufacture of thermoelements during the development of occupational dermatoses] Kordis BD, et al. **Vestn Dermatol Venerol** 1985 Mar;(3):59-62 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

In vivo and in vitro testing of gloves for protection against UV-curable acrylate resin systems. Rietschel RL, et al. **Contact Dermatitis** 1984 Nov;11(5):279-82

Chemical protective clothing: determining good performance. Coletta GC, et al. **Occup Health Saf** 1985 Apr;54(4):20-1, 23, 72

[Protective skin ointments. Their value in preventing occupational dermatoses] Komp B. **Derm Beruf Umwelt** 1985;33(1):20-6 (Eng. Abstr.) **(Ger)**

[Film-forming solution of polyvinyl alcohol for protection of the skin of workers in the fiber glass industry] Shulakov NA, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):58-9 **(Rus)**

[A system for the prevention and organization of the control of pyoderma, mycoses and occupational dermatoses in miners of the Don basin] Goriainova LK, et al. **Vestn Dermatol Venerol** 1984 Sep;(9):32-6 (Eng. Abstr.) **(Rus)**

[Prevention of dermatitis and eczema in industrial enterprises] Kordis BD, et al. **Vrach Delo** 1984 Oct;(10):100-1 **(Rus)**

REHABILITATION

[Rehabilitation of patients with occupational dermatitis] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):32-5 (Eng. Abstr.) **(Rus)**

THERAPY

Management of dermatitis due to surgical gloves. Fisher AA. **J Dermatol Surg Oncol** 1985 Jun;11(6):628-31

[Emulsion ointment with soybean distillates in the prevention and treatment of premorbid changes in the skin of female workers in a furniture factory] Kozulin EA, et al. **Vestn Dermatol Venerol** 1985 Mar;(3):63-4 (Eng. Abstr.) **(Rus)**

OCCUPATIONAL DISEASES

see related
OCCUPATIONAL MEDICINE

The prevalence of hepatitis B serological markers in emergency physicians. Iserson KV, et al. **Am J Emerg Med** 1984 Sep;2(5):394-8

Methyl bromide optic atrophy. Chavez CT, et al. **Am J Ophthalmol** 1985 Jun 15;99(6):715-9

Two comments on fetal loss and wastewater workers [letter] **Am J Public Health** 1985 Jan;75(1):98-9

Occupational asthma caused by sewer flies. Gold BL, et al. **Am Rev Respir Dis** 1985 Jun;131(6):949-52

Prevalence of occupational asthma in silk filatures. Harindranath N, et al. **Ann Allergy** 1985 Sep;55(3):511-5

Swedish-Yugoslav Days on Occupational Medicine. Novi Sad, 20-21 April 1983. Proceedings. **Arh Hig Rada Toksikol** 1983 Dec;34(4):265-360

Cytomegalovirus: an occupational hazard? Committee on Infectious Diseases and Immunization, Canadian Paediatric Society. **Can Med Assoc J** 1984 Oct 1;131(7):730

Symposium on environmental and occupational health hazards. **Clin Lab Med** 1984 Sep;4(3):449-639

Dance medicine. Kravitz SR. **Clin Podiatry** 1984 Aug;1(2):417-30

Sugarcane farming--is there a link with cancer? Mulvey JJ, et al. **Ecol Dis** 1983;2(4):267-70

Industrial back pain in Europe. **Ergonomics** 1985 Jan;28(1):1-405

Do workers in the manufacturing industry run an increased risk of getting scleroderma? [letter] Sverdrup B. **Int J Dermatol** 1984 Nov;23(9):629

Herpetic whitlow [letter] Byth PL. **Intensive Care Med** 1984;10(6):321-2

Correct posture works wonders [letter] **J Am Dent Assoc** 1985 May;110(5):673-4

Update on hepatitis [letter] **J Am Dent Assoc** 1985 Jul;111(1):12-3

Pain and a radiation accident. Morse RH. **J La State Med Soc** 1984 Sep;136(9):16-8

Limits of accuracy of death certificate identification of occupation [letter] Morton WE. **J Occup Med** 1984 Aug;26(8):553

Leads from the MMWR. Reproduction function observations among oil refinery workers. **JAMA** 1985 Jul 19;254(3):344, 346

Underground mining, smoking, and lung cancer: a case-control study in the iron ore municipalities in northern Sweden. Damber L, et al. **JNCI** 1985 Jun;74(6):1207-13

Bionic ballerinas [editorial] **Lancet** 1985 Aug 31;2(8453):481-2

RSI [letter] **Med J Aust** 1985 Jul 22;143(2):90

Hepatitis in dermatologists [letter] Armati RP, et al. **Med J Aust** 1985 Jan 7;142(1):78

Use of information: environmental standards, assessments of risk, prevention and clinical implications. Becklake MR. **Med J Aust** 1985 Jul 22;143(2):63-4

Occupational asthma. Bryant DH. **Med J Aust** 1985 Jun 24;142(13):678-80

Alleged work-related injuries [letter] Lowy AH. **Med J Aust** 1984 Sep 15;141(6):399-400

Repetitive strain injury. Burry HC, et al. **NZ Med J** 1985 Jul 24;98(783):601-2

Workforce drug abuse takes on new dimension for health profession. Goerth CR. **Occup Health Saf** 1985 Jul;54(7):55

Occupational safety and health in developing countries. Abrams HK. **Papua New Guinea Med J** 1984 Mar;27(1):24-31

Hand and arm injuries following external capsulotomies [letter] Hayes H Jr. **Plast Reconstr Surg** 1985 Mar;75(3):441-2

Occupational asthma. Update on a proliferating problem. Connolly MJ, et al. **Postgrad Med** 1984 Oct;76(5):179-89

The Fourth UOEH International Symposium. Occupational health in aviation and space work. October 21-23, 1984, University of Occupational and Environmental Health, Japan. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:1-260

Proceedings of the International Symposium on Work-Related Diseases. Espoo, Finland, 4-8 June 1984. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):341-519

Cancer risk of arc welders exposed to fumes containing chromium and nickel. Becker N, et al. **Scand J Work Environ Health** 1985 Apr;11(2):75-82

[Problems in occupational medicine in Malta] Kasal J. **Cesk Zdrav** 1985 Feb;33(2):76-82 (Eng. Abstr.) **(Cze)**

[Industrial hygiene: dusts and fibers as hazards in the industrial milieu] **Soz Praventivmed** 1985;30(1):44-53 **(Ger)**

[Proceedings of the 5th National Congress of Industrial Hygiene. Rome, 15-16 December, 1981] **Ann Ist Super Sanita** 1982;18 Suppl:899-1166 (Eng. Abstr.) **(Ita)**

[Pathology in firemen] del Piano M, et al. **G Ital Med Lav** 1983 Sep;5(5):221-5 (Eng. Abstr.) **(Ita)**

[Polyneuropathies in shoe factory workers] Governa M, et al. **Recenti Prog Med** 1984 May;75(5):514-29 (108 ref.) (Eng. Abstr.) **(Ita)**

[Concepts of occupational diseases] **Sangyo Igaku** 1984 Jul;26(4):365-76 **(Jpn)**

[Proceedings of the 57th annual meeting of the Japan Association of Industrial Health. Abstracts] **Sangyo Igaku** 1984 Dec;26(7):574-785 **(Jpn)**

[Physicians' report on occupational diseases] Tjønn HH. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2512-3 **(Nor)**

[Physiologic health regulation of the labor of workers engaged in the maintenance of metallurgical furnaces and assemblies] Karnaukh NG, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):32-5 (Eng. Abstr.) **(Rus)**

[Pulmonary mycoses due to occupational exposure] Music E, et al. **Plucne Bolesti** 1984 Jul-Dec;36(3-4):232-6 (Eng. Abstr.) **(Ser)**

[The significance of sheep in the epidemiology of Q fever in Slovakia] Baloghova D, et al. **Cesk Epidemiol Mikrobiol Imunol** 1985 May;34(3):184-8 (Eng. Abstr.) **(Slo)**

[Extrinsic allergic bronchioloalveolitis in Slovenia] Debeljak A, et al. **Plucne Bolesti** 1984 Jul-Dec;36(3-4):181-6 (Eng. Abstr.) **(Slv)**

BLOOD

Hematological findings among workers exposed to benzene at a coke oven by-product recovery facility. Hancock DG, et al. **Arch Environ Health** 1984 Nov-Dec;39(6):414-8

Statistical correlation between delta-aminolevulinic acid dehydratase activity and blood lead in exposed and non-exposed human populations. A tentative model. Aguilar EM, et al. **Arch Invest Med (Mex)** 1984 Apr-Jun;15(2):93-107 **(Eng, Spa)**

The level of some serum proteins and lymphocyte count in persons exposed to the action of lead during work. Report I. Jaremin B. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):181-8

Blast lymphocyte transformation (LTT), rosette (E-RFC) and leukocyte migration inhibition (MIF) tests in persons exposed to the action of lead during work. Report II. Jaremin B. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):189-97

Behaviour of plasma and urinary aluminium levels in occupationally exposed subjects. Mussi I, et al. **Int Arch Occup Environ Health** 1984;54(2):155-61

Can glycosylated hemoglobin be a job stress parameter? Cesana G, et al. **J Occup Med** 1985 May;27(5):357-60

Biological monitoring in the workplace [letter] Scott AR. **Lancet** 1985 Feb 23;1(8426):459-60

Lead poisoning in a capacitor and resistor plant--Colorado. **MMWR** 1985 Jun 28;34(25):384-5

Industrial lead exposure: a review of blood lead levels in South Island industries, 1974-83. Hinton D, et al. **NZ Med J** 1984 Nov 14;97(767):769-73

Epidemiological aspects of occupational lead poisoning. Landrigan PJ, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:145-55

A preliminary investigation of the lead level in whole blood of normal and occupationally exposed populations in Damascus City. Othman I. **Sci Total Environ** 1985 May;43(1-2):141-8

[Decrease in environmental pollution and changes in biological indicators in occupational exposure to lead] Terzi R, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30;60(6):1211-6 (Eng. Abstr.) **(Ita)**

[A longitudinal study of specific gravities of whole blood in dyestuff plant workers] Yamaguchi N, et al. **Sangyo Igaku** 1984 Sep;26(5):404-13 (Eng. Abstr.) **(Jpn)**

[The kallikrein-kinin system in dust-induced bronchitis] Lapshina IM, et al. **Sov Med** 1984;(11):16-21 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Vasoactive intestinal polypeptide (VIP) in cerebrospinal fluid from men after long-term exposure to organic solvents. Johansson BB, et al. **Acta Neurol Scand** 1984 Oct;70(4):317-8

Cerebrospinal fluid proteins and cells in men subjected to long-term exposure to organic solvents. Wikkelsø C, et al. **Acta Neurol Scand [Suppl]** 1984;100:113-9

Chromium-induced pulmonary cancer. Report of a case and a review of the literature. Kim S, et al. **Acta Pathol Jpn** 1985 May;35(3):643-54

Workplace allergenicity of a psyllium-containing bulk laxative. Gauss WF, et al. **Allergy** 1985 Jan;40(1):73-6

Inhalation exposure to formaldehyde: an overview of its toxicology, epidemiology, monitoring, and control. Bernstein RS, et al. **Am Ind Hyg Assoc J** 1984 Nov;45(11):778-85 (71 ref.)

Exposure to hydrogen sulfide, mercaptans and sulfur dioxide in pulp industry. Kangas J, et al. **Am Ind Hyg Assoc J** 1984 Dec;45(12):787-90

Occupational exposure to cancer chemotherapeutic drugs: a literature review. Vaughn MC, et al. **Am Ind Hyg Assoc J** 1985 Jun;46(6):B8-18

Mortality and cancer morbidity after heavy occupational fluoride exposure. Grandjean P, et al. **Am J Epidemiol** 1985 Jan;121(1):57-64

Pneumatosis cystoides intestinalis and trichloroethylene exposure. Yamaguchi K, et al. **Am J Gastroenterol** 1985 Oct;80(10):753-7

Malignancies due to occupational exposure to benzene. Aksoy M. **Am J Ind Med** 1985;7(5-6):395-402

Exacerbation of coronary artery disease by occupational carbon monoxide exposure: a report to two fatalities and a review of the literature. Atkins EH, et al. **Am J Ind Med** 1985;7(1):73-9 (36 ref.)

Concentration of ethylene oxide in the alveolar air of occupationally exposed workers. Brugnone F, et al. **Am J Ind Med** 1985;8(1):67-72

Piperazine-induced airway symptoms: exposure-response relationships and selection in an occupational setting. Hagmar L, et al. **Am J Ind Med** 1984;6(5):347-57

Projections of leukemia risk associated with occupational exposure to benzene. Infante PF, et al. **Am J Ind Med** 1985;7(5-6):403-13 (31 ref.)

Animal studies and prediction of human tumors can be aided by graphical sorting of animal data: neoplastic risk from B(a)P, benzene, benzidine, and chromium. Jones TD, et al. **Am J Ind Med** 1985;7(3):185-217

Access to data on chemical composition of products used in auto repair and body shops. Karstadt M, et al. **Am J Ind Med** 1984;6(5):359-72

Surveillance of workers exposed to mercury vapour:validation of a previously proposed biological threshold limit value for mercury concentration in urine. Roels H, et al. **Am J Ind Med** 1985;7(1):45-71

Survey of reproductive hazards among oil, chemical, and atomic workers exposed to halogenated hydrocarbons. Savitz DA, et al. **Am J Ind Med** 1984;6(4):253-64

Neurologic dysfunction from exposure to 2-t-butylazo-2-hydroxy-5-methylhexane (BHMH): a new occupational neuropathy. Horan JM, et al. **Am J Public Health** 1985 May;75(5):513-7

A 'gift of God'?: The public health controversy over leaded gasoline during the 1920s. Rosner D, et al. **Am J Public Health** 1985 Apr;75(4):344–52

Pulmonary function and respiratory symptoms in polyvinylchloride fabrication workers. Baser ME, et al. **Am Rev Respir Dis** 1985 Feb;131(2):203–8

Small airways disease and mineral dust exposure. Prevalence, structure, and function. Churg A, et al. **Am Rev Respir Dis** 1985 Jan;131(1):139–43

A prospective study on early neurotoxic effects of lead. Hernberg S, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):378–82

Five cases of arsine poisoning. Phoon WH, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):394–8

Psyllium hypersensitivity, nurses, and geriatric units [letter] Schoenwetter WF, et al. **Ann Intern Med** 1985 Oct; 103(4):642

Occupational cancer: problems in interpreting human evidence. Doll R. **Ann Occup Hyg** 1984;28(3):291–305

Occupational exposures associated with male reproductive dysfunction. Schrag SD, et al. **Annu Rev Pharmacol Toxicol** 1985;25:567–92 (172 ref.)

The 'right to know': toxics information transfer in the workplace. Ashford NA, et al. **Annu Rev Public Health** 1985;6:383–401

Yellow staining caused by 4,4'-methylenedianiline exposure. Occurrence among molded plastics workers. Cohen SR. **Arch Dermatol** 1985 Aug;121(8):1022–7

Prevalence of hypertension among cadmium-exposed workers. Engvall J, et al. **Arch Environ Health** 1985 May-Jun;40(3):185–90

A report of occupational deaths attributed to fluorocarbon-113. May DC, et al. **Arch Environ Health** 1984 Sep–Oct;39(5):352–4

Neurobehavioral changes among shipyard painters exposed to solvents. Valciukas JA, et al. **Arch Environ Health** 1985 Jan-Feb;40(1):47–52

Intoxication following the inhalation of hydrogen fluoride. Braun J, et al. **Arch Toxicol** 1984 Nov;56(1):50–4

Accidental exposure to sarin: vision effects. Rengstorff RH. **Arch Toxicol** 1985 Jan;56(3):201–3

Mutation frequency in nurses and pharmacists working with cytotoxic drugs. Chrysostomou A, et al. **Aust NZ J Med** 1984 Dec;14(6):831–4

Ethylene oxide withdrawal delirium [letter] Endo M, et al. **Biol Psychiatry** 1984 Dec;19(12):1731–4

Prostatic cancer and chronic respiratory and renal disease in British cadmium workers: a case control study. Armstrong BG, et al. **Br J Ind Med** 1985 Aug;42(8):540–5

Gassings due to methylene chloride, xylene, toluene, and styrene reported to Her Majesty's Factory Inspectorate 1961-80. Bakinson MA, et al. **Br J Ind Med** 1985 Mar; 42(3):184–90

Do amines induce occupational asthma in workers manufacturing polyurethane foams? [letter] Brochhagen F. **Br J Ind Med** 1985 Aug;42(8):567

Do amines induce occupational asthma in workers manufacturing polyurethane foams? Candura F, et al. **Br J Ind Med** 1984 Nov;41(4):552–3

Solvent neurotoxicity [editorial] Cavanagh JB. **Br J Ind Med** 1985 Jul;42(7):433–4

A cross sectional study of employees with potential occupational exposure to ethylene oxide. Currier MF, et al. **Br J Ind Med** 1984 Nov;41(4):492–8

Oculodermatological findings in workers with occupational exposure to polychlorinated biphenyls (PCBs). Fischbein A, et al. **Br J Ind Med** 1985 Jun;42(6):426–30

Exposure to glyceryl trinitrate during gun powder production: plasma glyceryl trinitrate concentration, elimination kinetics, and discomfort among production workers. Gjesdal K, et al. **Br J Ind Med** 1985 Jan; 42(1):27–31

Occupational asthma due to an emulsified oil mist. Hendy MS, et al. **Br J Ind Med** 1985 Jan;42(1):51–4

Respiratory abnormalities among workers in an iron and steel foundry. Johnson A, et al. **Br J Ind Med** 1985 Feb; 42(2):94–100

Respiratory disease in foundry workers. Low I, et al. **Br J Ind Med** 1985 Feb;42(2):101–5

Vinyl chloride: the evidence for human carcinogenicity in different target organs [editorial] Salmon AG. **Br J Ind Med** 1985 Feb;42(2):73–4

Reticulocyte haem synthesis in occupational exposure to trinitrotoluene. Savolainen H, et al. **Br J Ind Med** 1985 May;42(5):354–5

Possible cataractogenic effect of radionuclides deposited within the eye from the blood stream. Griffith TP, et al. **Br J Ophthalmol** 1985 Mar;69(3):219–27

Lead hazard in British stained glass workers. Baxter PJ, et al. **Br Med J [Clin Res]** 1985 Aug 10;291(6492):383

Prolonged hypercalcaemia after industrial exposure to vitamin D3. Jibani M, et al. **Br Med J [Clin Res]** 1985 Mar 9;290(6470):748–9

Mutagenic action of styrene and its metabolites. I. Chromosome aberration in persons exposed to the action of styrene. Introductory investigations. Dolmierski R, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):89–93

Acute silver poisoning through inhalation. Forycki Z, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):199–203

Studies on the state of health of the workers employed at the trans-shipment of aluminium oxide in the port of Gdynia. Tomaszewski R, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):54–62

Occupation and lung cancer risk. An analysis by histologic subtypes. Vena JE, et al. **Cancer** 1985 Aug 15;56(4):910–7

Cadmium chemical pneumonitis. Barnhart S, et al. **Chest** 1984 Nov;86(5):789–91

Reactive airways dysfunction syndrome (RADS). Persistent asthma syndrome after high level irritant exposures. Brooks SM, et al. **Chest** 1985 Sep;88(3):376–84

Occupational asthma due to azobisformamide. Malo JL, et al. **Clin Allergy** 1985 May;15(3):261–4

Neutrophil function and infectious disease in workers occupationally exposed to phosphoorganic pesticides: role of mononuclear-derived chemotactic factor for neutrophils. Hermanowicz A, et al. **Clin Immunol Immunopathol** 1984 Oct;33(1):13–22

Occupational disease. Problems of risk assessment. Yodaiken RE. **Clin Lab Med** 1984 Sep;4(3):475–82

Remission of Goodpasture's syndrome after withdrawal of an unusual toxic. Bernis P, et al. **Clin Nephrol** 1985 Jun; 23(6):312–7

Possible mechanisms of hydrocarbon-associated glomerulonephritis. Ravnskov U. **Clin Nephrol** 1985 Jun; 23(6):294–8

Occupational lung disease induced by reactive chemicals. Zeiss CR. **Clin Rev Allergy** 1985 May;3(2):217–26

Occupational cancer and chemical structure: past, present, and future. Haley TJ. **Drug Metab Rev** 1984;15(5-6):919–39 (108 ref.)

Industrial lead poisoning in China over the past 33 years. Wang YL. **Ecotoxicol Environ Safety** 1984 Dec;8(6):526–30 (11 ref.)

Evaluation of EMG examination as an indicator of worker susceptibility to organophosphates exposure. Ring H, et al. **Electromyogr Clin Neurophysiol** 1985 Jan-Feb; 25(1):35–44

Workshop on occupational hazards caused by polychlorinated biphenyls (PCBs) and chlorobenzenes in capacitors and transformers: Finland-U.S. Symposium. September 19/21, 1983, Espoo, Finland. **Environ Health Perspect** 1985 May;60:223–352

Liver function tests in workers with occupational exposure to polychlorinated biphenyls (PCBs): comparison with Yusho and Yu-Cheng. Fischbein A. **Environ Health Perspect** 1985 May;60:145–50

Health status and PCBs in blood of workers exposed to PCBs and of their children. Hara I. **Environ Health Perspect** 1985 Feb;59:85–90

PCBs, PCQs and PCDFs in blood of Yusho and Yu-Cheng patients. Kashimoto T, et al. **Environ Health Perspect** 1985 Feb;59:73–8

Surveys of workers occupationally exposed to PCBs and of Yusho patients. Takamatsu M, et al. **Environ Health Perspect** 1985 Feb;59:91–7

Epidemiological-environmental study of lead acid battery workers. II. Acute effects of sulfuric acid on the respiratory system. Gamble J, et al. **Environ Res** 1984 Oct;35(1):11–29 (54 ref.)

Epidemiological-environmental study of lead acid battery workers. III. Chronic effects of sulfuric acid on the respiratory system and teeth. Gamble J, et al. **Environ Res** 1984 Oct;35(1):30–52 (32 ref.)

Review of the health effects of urea-formaldehyde foam insulation. L'Abbe KA, et al. **Environ Res** 1984 Oct; 35(1):246–63 (82 ref.)

Motor dysfunction following chronic exposure to a fluoroalkane solvent mixture containing nitromethane. Sandyk R, et al. **Eur Neurol** 1984;23(6):479–81

Neurophysiological and psychological disorders and occupational exposure to organic solvents. Grasso P, et al. **Food Chem Toxicol** 1984 Oct;22(10):819–52

Epidemiological study on workers exposed to low dimethylformamide concentrations. Cirla AM, et al. **G Ital Med Lav** 1984 May-Jul;6(3-4):149–56

A neurophysiological study among Chinese CS2-exposed workers. Hirata M, et al. **G Ital Med Lav** 1984 May-Jul; 6(3-4):107–11

Electromyographic investigation in early diagnosis of carbon disulphide neuropathy: a study on 216 workers with different degrees of exposure. Sandrini G, et al. **G Ital Med Lav** 1983 Sep;5(5):199–202

Access to data on toxic chemicals [letter] Woywod P. **Hastings Cent Rep** 1985 Feb;15(1):48

Chronic pancreatitis possibly caused by occupational exposure to organic solvents. Døssing M, et al. **Hum Toxicol** 1985 May;4(3):237–40

Some observations on the macula of pesticide workers. Misra UK, et al. **Hum Toxicol** 1985 Mar;4(2):135–45

Shale-oils. **IARC Monogr Eval Carcinog Risk Chem Hum** 1985 Jan;35:161–217

Appendix: case reports. **IARC Monogr Eval Carcinog Risk Chem Hum** 1985 Jan; 35:243–7

Aluminium production. **IARC Monogr Eval Carcinog Risk Chem Hum** 1984 Jun; 34:37–64

Coal gasification. **IARC Monogr Eval Carcinog Risk Chem Hum** 1984 Jun; 34:65–99

Coke production. **IARC Monogr Eval Carcinog Risk Chem Hum** 1984 Jun; 34:101–31

Nickel exposure: a human health hazard. Doll R. **IARC Sci Publ** 1984;(53):3–21

Nickel and cancer associations from a multicancer occupation exposure case-referent study: preliminary findings. Gerin M, et al. **IARC Sci Publ** 1984;(53):105–15

Nickel in welding fumes––a cancer hazard to welders? A review of epidemiological studies on cancer in welders. Langård S, et al. **IARC Sci Publ** 1984;(53):95–103 (41 ref.)

Clinical effects of nickel. Norseth T. **IARC Sci Publ** 1984; (53):395–401

Medical and toxicological aspects of occupational nickel exposure in the Federal Republic of Germany––clinical results (carcinogenicity, sensitization) and preventive measures (biological monitoring). Raithel HJ, et al. **IARC Sci Publ** 1984;(53):403–15

Occupational exposure to N-nitrosamines. Air measurements and biological monitoring. Spiegelhalder B. **IARC Sci Publ** 1984;(57):937–42

A study of cognitive functions in DDT sprayers. Misra UK, et al. **Ind Health** 1984;22(3):199–206

Occupational exposure to toluene: neurotoxic effects with special emphasis on drinking habits. Antti-Poika M, et al. **Int Arch Occup Environ Health** 1985;56(1):31–40

Risk factors of coronary heart disease among personnel in a bus company. Edling C, et al. **Int Arch Occup Environ Health** 1984;54(2):181–3

Primary liver cancer and exposure to solvents. Hernberg S, et al. **Int Arch Occup Environ Health** 1984;54(2):147–53

Fatal intoxication by 1,2-dichloroethane––a case report. Nouchi T, et al. **Int Arch Occup Environ Health** 1984; 54(2):111–3

Two-year observation of pulmonary function in workers exposed to low concentrations of toluene diisocyanate. Omae K. **Int Arch Occup Environ Health** 1984;55(1):1–12

An epidemiological study on carbon disulfide angiopathy in a Chinese viscose rayon factory. Sugimoto K, et al. **Int Arch Occup Environ Health** 1984;54(2):127–34

Occupational formaldehyde exposure and increased nasal cancer risk in man. Olsen JH, et al. **Int J Cancer** 1984 Nov 15;34(5):639–44

Environmentally induced systemic sclerosis-like disorders. Haustein UF, et al. **Int J Dermatol** 1985 Apr;24(3):147–51 (51 ref.)

Occupational allergy to sunflower pollen. Bousquet J, et al. **J Allergy Clin Immunol** 1985 Jan;75(1 Pt 1):70–4

1,1,1-Trichloroethane cardiac toxicity: report of a case. Wright MF, et al. **J Am Osteopath Assoc** 1984 Nov; 84(3):285–8

Methemoglobinaemia: an unusual presentation. Kokal KC, et al. **J Assoc Physicians India** 1984 Sep;32(9):833–4

Schizophreniform psychosis associated with chronic industrial toluene exposure: case report. Goldbloom D, et al. **J Clin Psychiatry** 1985 Aug;46(8):350–1

On 'Protecting the reproductive health of workers: problems in science and public policy' [letter] Uzych L. **J Health Polit Policy Law** 1984 Summer;9(2):358–9

Cerebral convulsion after enfluran anaesthesia and occupational exposure to tetrahydrofuran [letter] Juntunen J, et al. **J Neurol Neurosurg Psychiatry** 1984 Nov; 47(11):1258

Health implication of occupational exposures to hydrogen sulfide. Arnold IM, et al. **J Occup Med** 1985 May; 27(5):373–6

Reactive airways dysfunction syndrome. Case reports of persistent airways hyperreactivity following high-level irritant exposures. Brooks SM, et al. **J Occup Med** 1985 Jul;27(7):473–6

Identifying unexposed workers from occupational cohorts [letter] Checkoway H. **J Occup Med** 1985 Apr;27(4):240

Psychology in health risk messages for workers. Cohen A, et al. **J Occup Med** 1985 Aug;27(8):543–51

Gasoline exposure, smoking, and kidney cancer [letter] Domiano SF, et al. **J Occup Med** 1985 Jun;27(6):398–9

Respiratory and eye irritation from boron oxide and boric acid dusts. Garabrant DH, et al. **J Occup Med** 1984 Aug; 26(8):584–6

A 10-year follow-up study of a group of workers exposed to isocyanates. Gee JB, et al. **J Occup Med** 1985 Jan; 27(1):15–8

Obtaining occupational exposure histories in epidemiologic case-control studies. Gerin M, et al. **J Occup Med** 1985 Jun;27(6):420–6

Monographs on human exposures to chemicals in the workplace. Hoar SK, et al. **J Occup Med** 1985 Aug; 27(8):585–6

Evaluation of respiratory variables in smelter and control workers before and during a shutdown period. Holness DL, et al. **J Occup Med** 1985 May;27(5):341–6

Long-term health effects following isocyanate exposure [letter] Kelly RM, et al. **J Occup Med** 1985 Jul;27(7):469–70

Reproductive outcomes in women exposed to solvents in 36 reinforced plastics companies. I. Menstrual dysfunction. Lemasters GK, et al. **J Occup Med** 1985 Jul;27(7):490–4

Boilermakers' bronchitis. Respiratory tract irritation associated with vanadium pentoxide exposure during oil-to-coal conversion of a power plant. Levy BS, et al. **J Occup Med** 1984 Aug;26(8):567–70

Occupational asthma caused by styrene [letter] Moscato G, et al. **J Occup Med** 1984 Aug;26(8):552

TDI-induced oculorhinitis and bronchial asthma. Paggiaro PL, et al. **J Occup Med** 1985 Jan;27(1):51–2

Risk of encephalopathia among retired solvent-exposed workers. A case-control study among males applying for nursing home accommodation or other types of social support facilities. Rasmussen H, et al. **J Occup Med** 1985 Aug;27(8):561-6

Cancer risk among oil refinery workers. A review of epidemiologic studies. Savitz DA, et al. **J Occup Med** 1984 Sep;26(9):662-70 (37 ref.)

Notification of a cohort of workers at risk of bladder cancer. Schulte PA, et al. **J Occup Med** 1985 Jan;27(1):19-28

A cohort study of employees of a manufacturing plant using trichlorethylene. Shindell S, et al. **J Occup Med** 1985 Aug;27(8):577-9

Bladder cancer risk among laundry workers, dry cleaners, and others in chemically-related occupations. Smith EM, et al. **J Occup Med** 1985 Apr;27(4):295-7

Notification and risk assessment for bladder cancer of a cohort exposed to aromatic amines. III. Mortality among workers exposed to aromatic amines in the last beta-naphthylamine manufacturing facility in the United States. Stern FB, et al. **J Occup Med** 1985 Jul;27(7):495-500

Vinyl chloride, setting a workplace standard: an historical perspective on assessing risk. Corn JK. **J Public Health Policy** 1984 Dec;5(4):497-512

Investigation of a working population exposed to thallium. Marcus RL. **J Soc Occup Med** 1985 Feb;35(1):4-9

Occupational exposure to chlorophenates: toxicology and respiratory effects. Embree V, et al. **J Toxicol Clin Toxicol** 1984;22(4):317-29

The application of epidemiology to the prevention of occupational cancer. Landrigan PJ, et al. **J Toxicol Clin Toxicol** 1984;22(3):209-38 (35 ref.)

Cyanide intoxication among silver-reclaiming workers. Blanc P, et al. **JAMA** 1985 Jan 18;253(3):367-71

Two fatalities after acute occupational exposure to ethylene dibromide. Letz GA, et al. **JAMA** 1984 Nov 2;252(17):2428-31

Exposure of oil refinery workers to the lubricating-dewaxing process [letter] Mantel N. **JNCI** 1985 Jul;75(1):180-1

Soft tissue sarcoma and exposure to phenoxyherbicides and chlorophenols in New Zealand. Smith AH, et al. **JNCI** 1984 Nov;73(5):1111-7

Anemic changes in lead-exposed workers after onset of exposure. Yoshida K, et al. **Keio J Med** 1984 Apr;33(1):29-38

Metals and the lung [editorial] **Lancet** 1984 Oct 20;2(8408):903-4

Neurological consequence of industrial exposure to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine [letter] Barbeau A, et al. **Lancet** 1985 Mar 30;1(8431):747

Toxic oil syndrome and vinyl chloride disease [letter] Hernandez Bronchud M. **Lancet** 1984 Oct 20;2(8408):931

Chloromethylation: three lung cancer deaths in young men [letter] Roe FJ. **Lancet** 1985 Aug 3;2(8449):268

Coarse fishing and risk of urothelial cancer. Sole G, et al. **Lancet** 1985 Jun 29;1(8444):1477-9

Occupational hepatitis caused by methylenedianiline. Bastian PG. **Med J Aust** 1984 Oct 13;141(8):533-5

Investigation on the chronic effects of dipterex in occupational exposure. Lu YP, et al. **Med Lav** 1984 Sep-Oct;75(5):376-84

Neurologic findings among workers exposed to fenthion in a veterinary hospital--Georgia. **MMWR** 1985 Jul 5;34(26):402-3

Biological monitoring of workers in the rubber industry. II. UV-induced unscheduled DNA synthesis in the lymphocytes of vulcanizers. Benigni R, et al. **Mutat Res** 1984 Oct;138(1):105-11

Chromosome analysis of lymphocytes from workers at an ethylene oxide plant. Clare MG, et al. **Mutat Res** 1985 Apr-May;156(1-2):109-16

Biological monitoring of workers in the rubber industry. I. Chromosomal aberrations and sister-chromatid exchanges in lymphocytes of vulcanizers. Degrassi F, et al. **Mutat Res** 1984 Oct;138(1):99-103

Chromosome changes with time in lymphocytes after occupational exposure to toluene. Schmid E, et al. **Mutat Res** 1985 Jan-Feb;142(1-2):37-9

Occupational exposure to anticancer drug--potential and real hazards. Sorsa M, et al. **Mutat Res** 1985 Sep;154(2):135-49 (81 ref.)

Sister-chromatid exchanges in association with occupational exposure to ethylene oxide. Stolley PD, et al. **Mutat Res** 1984 Oct;129(1):89-102

Chromosome aberrations and sister-chromatid exchange frequencies in pathology staff occupationally exposed to formaldehyde. Thomson EJ, et al. **Mutat Res** 1984 Oct;141(2):89-93

Sperm count, morphology and fluorescent body frequency in autopsy service workers exposed to formaldehyde. Ward JB Jr, et al. **Mutat Res** 1984 Dec;130(6):417-24

Toxic hazards in Britain [news] Chown M. **Nature** 1984 Sep 27-Oct 3;311(5984):290

The need for chemical disclosure legislation. Uzych L. **Nebr Med J** 1985 Jun;70(6):193-4

Proliferative glomerulonephritis and exposure to organic solvents. Bell GM, et al. **Nephron** 1985;40(2):161-5

Health hazards of welding fumes [letter] Chew CK. **NZ Med J** 1984 Nov 14;97(767):786

Successful engineering control of hazardous exposures a team effort. Burton DJ. **Occup Health Saf** 1985 May;54(5):22

Even 'healthy' environments can harbor many hidden hazards. Christenson WN, et al. **Occup Health Saf** 1985 Mar;54(3):40-2, 46

Chemical protective clothing: testing strategy and test methods. Coletta GC. **Occup Health Saf** 1985 May;54(5):49-52

Chemical protective clothing: laboratory vs. field performance. Coletta GC. **Occup Health Saf** 1985 Jun;54(6):85-7, 90

Chemical protective clothing: certification of performance. Coletta GC, et al. **Occup Health Saf** 1985 Aug;54(8):18, 20, 22

Monitoring employee exposures limits liability, morale problems. Mosser JL. **Occup Health Saf** 1985 May;54(5):30-1, 34, 36-7

Illness in office attributed to xylene [letter] Nersesian W, et al. **Occup Health Saf** 1985 Apr;54(4):88

Firefighters face unknowns in right-to-know protection. Stroud R. **Occup Health Saf** 1985 Jun;54(6):18-22

Hazardous site water restrictions pose problem for exposed workers. Weaver LA. **Occup Health Saf** 1985 May;54(5):54, 56-8

Dioxin: a medical perspective. Lumb G. **Pa Med** 1985 Apr;88(4):54-7

Occupational photosensitivity to dinitrotoluene. Emtestam L, et al. **Photodermatol** 1985 Apr;2(2):120-1

A methodology for studying the effect of industrial exposure on adverse pregnancy outcome. Cuckle H. **Prog Clin Biol Res** 1985;163B:269-72

Introductory remarks: workshop on occupational hazards. Klingberg MA. **Prog Clin Biol Res** 1985;163B:257-9

Toxicologic studies associated with the agricultural use of municipal sewage sludge and health effects among sewage treatment plant workers. Babish JG, et al. **Regul Toxicol Pharmacol** 1984 Sep;4(3):305-21

Occupational health experience with organic additives. Thiess AM, et al. **Regul Toxicol Pharmacol** 1984 Dec;4(4):340-9

Adverse health effects and exposure to polychlorinated biphenyls. Wilkins JR 3d, et al. **Rev Environ Health** 1984;4(3):269-86

Industrial nasal problems. Kup W. **Rhinology** 1985 Jun;23(2):99-100

Occupational nasal cancer caused by nickel and nickel compounds. Torjussen W. **Rhinology** 1985 Jun;23(2):101-5

Isocyanates and health--a review. Zwi AB. **S Afr Med J** 1985 Feb 9;67(6):209-11 (25 ref.)

Epidemiological approach to nickel carcinogenicity--uses and limitation. Norseth T. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:67-74 (27 ref.)

The identification of hepatic injury and hepatic angiosarcoma among vinyl chloride workers--the epidemiological approach. Tamburro CH, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:37-48

Glyceryltrinitrate as a problem in industry. Sivertsen E. **Scand J Clin Lab Invest [Suppl]** 1984;173:81-4

Cancer risk of arc welders exposed to fumes containing chromium and nickel. Becker N, et al. **Scand J Work Environ Health** 1985 Apr;11(2):75-82

Toluene coma and liver function [letter] Brugnone F, et al. **Scand J Work Environ Health** 1985 Feb;11(1):55

Description of the tests in the London School of Hygiene test battery. Cherry N, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:18-9

British studies on the neuropsychological effects of solvent exposure. Cherry N, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:10-2

Test battery for investigating functional disorders--the TUFF battery. Ekberg K, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:14-7

An evaluation of reports of dioxin exposure and soft tissue sarcoma pathology among chemical workers in the United States. Fingerhut MA, et al. **Scand J Work Environ Health** 1984 Oct;10(5):299-303

Current research in behavioral toxicology in Scandinavia. Hane M, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:8-9

Blood pressure and other cardiovascular risk factors of long-term exposure to lead. Kirkby H, et al. **Scand J Work Environ Health** 1985 Feb;11(1):15-9

Chemical exposures at work and cardiovascular morbidity. Atherosclerosis, ischemic heart disease, hypertension, cardiomyopathy and arrhythmias. Kurppa K, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):381-8 (98 ref.)

Urolithiasis in railroad shopmen in relation to oxalic acid exposure at work. Laerum E, et al. **Scand J Work Environ Health** 1985 Apr;11(2):97-100

Neuropsychological assessment in behavioral toxicology--developing techniques and interpretative issues. Lezak MD. **Scand J Work Environ Health** 1984;10 Suppl 1:25-9

The Rorschach test in behavioral toxicology. Lindström K. **Scand J Work Environ Health** 1984;10 Suppl 1:20-3

Occupational solvent exposure and neuropsychiatric disorders. Lindström K, et al. **Scand J Work Environ Health** 1984 Oct;10(5):321-3

Systemic reactions associated with polyisocyanate exposure. Nielsen J, et al. **Scand J Work Environ Health** 1985 Feb;11(1):51-4

Pesticides. Rosival L. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):189-97

Reversible nerve lesions after accidental polychlorinated biphenyl exposure. Seppäläinen AM, et al. **Scand J Work Environ Health** 1985 Apr;11(2):91-5

Cancer incidence among workers exposed to radon and thoron daughters at a niobium mine. Solli HM, et al. **Scand J Work Environ Health** 1985 Feb;11(1):7-13

Occupational asthma due to formaldehyde. Burge PS, et al. **Thorax** 1985 Apr;40(4):255-60

Occupational asthma due to heated freon [letter] Field GB. **Thorax** 1985 Apr;40(4):320

Lead exposure and changes in the renin-angiotensin-aldosterone system in man. Campbell BC, et al. **Toxicol Lett** 1985 Apr;25(1):25-32

Clinical and biochemical changes in chronically exposed organophosphate workers. Misra UK, et al. **Toxicol Lett** 1985 Feb-Mar;24(2-3):187-93

[Results of a longitudinal study of coronary diseases in occupational exposure to carbon disulfide] Dimitrova M, et al. **Probl Khig** 1984;9:107-11 (Eng. Abstr.) **(Bul)**

[Neurologic findings in long-term exposure to toluene] Kovařík J, et al. **Cesk Neurol Neurochir** 1985 Mar;48(2):73-7 (Eng. Abstr.) **(Cze)**

[Examination of patients working at risk of perchloroethylene] Borovská D, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1983;26(3):279-85 (Eng. Abstr.) **(Cze)**

[Phenoxyacetates and sarcoma in the Danish chemical and agricultural industry (letter)] Clemmesen J. **Ugeskr Laeger** 1985 Jan 14;147(3):204-6 **(Dan)**

[Blowpipe cutting and dementia] Hansen NS. **Ugeskr Laeger** 1984 Sep 19;146(38):2906-7 (Eng. Abstr.) **(Dan)**

[Poisoning by organic solvents in a group of serigraphic workers in the plastic industry] Jørgensen NK, et al. **Ugeskr Laeger** 1984 Apr 30;146(18):1391-3 (Eng. Abstr.) **(Dan)**

[Asphalt exposure as the cause of skin cancer] Jørgensen NK. **Ugeskr Laeger** 1984 Sep 10;146(37):2832-3 (Eng. Abstr.) **(Dan)**

[Encephalopathy in printers in the flexoprinting industry] Mikkelsen S, et al. **Ugeskr Laeger** 1984 Apr 30;146(18):1381-6 (Eng. Abstr.) **(Dan)**

[Health complaints caused by working with chlorinated solvents in the electronic industry] Rasmussen K, et al. **Ugeskr Laeger** 1985 Mar 18;147(12):1053-7 (Eng. Abstr.) **(Dan)**

[Burns caused by hydrofluoric acid] Rinsema W, et al. **Ned Tijdschr Geneeskd** 1984 Nov 10;128(45):2134-6 (Eng. Abstr.) **(Dut)**

[Photoallergy to quinine] Jeanmougin M, et al. **Ann Dermatol Venereol** 1984;111(6-7):565-7 (Eng. Abstr.) **(Fre)**

[Elective occurrence of glioblastoma during research laboratory handling of nitrosoguanidine derivatives (letter)] Pleven C. **Presse Med** 1984 Oct 20;13(37):2268 **(Fre)**

[Responsibility of N-methyl-N'-nitro-N-nitrosoguanidine in the occurrence of glioblastoma (letter)] Salmon RJ. **Presse Med** 1985 Feb 9;14(5):288 **(Fre)**

[Pneumopathy caused by hypersensitivity to isocyanates. Value and dangers of a realistic provocation test] Vergnon JM, et al. **Rev Mal Respir** 1985;2(2):83-90 (Eng. Abstr.) **(Fre)**

[Biological monitoring of exposure to industrial toxic substances. Present-day situation and prospects for development] Lauwerys R, et al. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):155-64 (Eng. Abstr.) **(Fre)**

[Chronic exposure to solvents and liver enzymes. An occupational medicine field study] Triebig G, et al. **Fortschr Med** 1985 Mar 14;103(10):271-4 (Eng. Abstr.) **(Ger)**

[Neurotoxicity of chemical substances in the workplace. VI. Longitudinal study of persons occupationally exposed to mercury] Triebig G, et al. **Int Arch Occup Environ Health** 1984;55(1):19-31 (Eng. Abstr.) **(Ger)**

[Vinyl chloride induced hepatocellular carcinoma] Dietz A, et al. **Klin Wochenschr** 1985 Apr 1;63(7):325-31 (Eng. Abstr.) **(Ger)**

[Risk of cancer caused by formaldehyde. Viewpoint of the German Society for Pathology and the German Pathologists Association] Bassler R, et al. **Pathologe** 1985 Jan;6(1):1-2 **(Ger)**

[Health risks of formaldehyde. An occupational medicine assessment] Triebig G, et al. **Pathologe** 1985 Mar;6(2):64-70 **(Ger)**

[Hemangiosarcoma of the liver in workers of the PVC industry and other VC-induced diseases with angiologic-dermatologic, hepatologic, radiologic and neurologic symptoms] Halama J, et al. **Radiologe** 1985 Jan;25(1):22-9 (Eng. Abstr.) **(Ger)**

[A case from practice (35). Isocyanate-induced asthma. Patient F.R., born 7-21-1960] Kiss D. **Schweiz Rundsch Med Prax** 1985 Apr 9;74(15):388-9 **(Ger)**

[Work capacity in exposure to chemical industrial substances] Bittersohl G. **Z Arztl Fortbild (Jena)** 1984;78(16):685-7 **(Ger)**

[Evaluation of the biologic exposure test] Bittersohl G. **Z Arztl Fortbild (Jena)** 1984;78(17):729-31 **(Ger)**

[Periodontologic study of lead exposed and non-exposed workers] Schneider HG, et al. **Z Arztl Fortbild (Jena)** 1984;78(20):861-4 **(Ger)**

[Epidemiologic studies of the exposure to dimethylformamide] Berger H, et al. **Z Gesamte Hyg** 1985

Jun;31(6):366-8 (Eng. Abstr.) **(Ger)**

[Epidemiological studies of hematotoxic and hepatotoxic effects of benzene and benzene-containing solvent mixtures] Bittersohl KU, et al. **Z Gesamte Hyg** 1985 Mar; 31(3):168-70 (Eng. Abstr.) **(Ger)**

[Pilot study on the health status of tanners doing chromium-tanned leather polishing] Bulikowski W, et al. **Z Gesamte Hyg** 1985 Feb;31(2):114-5 (Eng. Abstr.) **(Ger)**

[Body burden of service personnel in ethylene oxide sterilization] Herzog V, et al. **Z Gesamte Hyg** 1984 Sep; 30(9):510-3 (Eng. Abstr.) **(Ger)**

[Continuous permeative benzene dosing of variable concentrations in the ppm range] Rödicker H, et al. **Z Gesamte Hyg** 1984 Jul;30(7):412-5 (Eng. Abstr.) **(Ger)**

[Psychodiagnosis in lead, mercury and manganese exposure—a report of experiences] Seeber A, et al. **Z Gesamte Hyg** 1984 Dec;30(12):702-6 (Eng. Abstr.) **(Ger)**

[Late manifestations in former mustard gas workers with special reference to cutaneous findings] Klehr NW. **Z Hautkr** 1984 Sep 1;59(17):1161-4, 1167-70 (Eng. Abstr.) **(Ger)**

[Risks in the preparation and administration of antineoplastic agents] Coppi G. **Boll Chim Farm** 1984 Aug;123(8):381-9 **(Ita)**

[Pathological manifestations in workers engaged in the production or administration of cytostatic drugs] Nava C, et al. **Boll Chim Farm** 1984 Dec;123(12):547-51 (8 ref.) (Eng. Abstr.) **(Ita)**

[Prospects for environment intervention following biological monitoring of exposure to chromium] Terzi R, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2333-7 (Eng. Abstr.) **(Ita)**

[Risks and toxicity of mercury pollution] Melino C. **Clin Ter** 1984 Sep 15;110(5):487-93 **(Ita)**

[Hepatic lesions caused by industrial chemical substances. New perspectives on research] Loi AM, et al. **G Ital Med Lav** 1983 Sep;5(5):227-32 (Eng. Abstr.) **(Ita)**

[Study of a group of subjects occupationally exposed to tartaric acid] Moscato G, et al. **G Ital Med Lav** 1983 Sep; 5(5):193-8 (Eng. Abstr.) **(Ita)**

[Monitoring of laborers previously exposed to aromatic amines, in accordance with Circulars No. 46 of 12/6/1979 and No. 61 of 4/6/1981 of the Ministry of Labor] Seghizzi P, et al. **G Ital Med Lav** 1983 Sep;5(5):207-13 (Eng. Abstr.) **(Ita)**

[Occupational exposure to styrenes in furniture industry] Bartolucci GB, et al. **Med Lav** 1985 Mar-Apr;76(2):157-68 (Eng. Abstr.) **(Ita)**

[Occupational asthma caused by toluene diisocyanate in workers who touch-up the frames used in textile printing] Baruffini A, et al. **Med Lav** 1984 Sep-Oct;75(5):393-8 (Eng. Abstr.) **(Ita)**

[Allergic diseases in the cosmetics industry] Campiglio R, et al. **Med Lav** 1984 Sep-Oct;75(5):407-11 (Eng. Abstr.) **(Ita)**

[Exposure to mold lubricants] Menichini E. **Med Lav** 1985 Mar-Apr;76(2):149-56 (Eng. Abstr.) **(Ita)**

[A case of nephropathy clearly due to cadmium] Trevisan A, et al. **Med Lav** 1984 Jul-Aug;75(4):322-7 (Eng. Abstr.) **(Ita)**

[Possible risk of liver diseases from exposure to bitumen] Boari C, et al. **Minerva Med** 1985 May 31; 76(22-23):1059-61 (Eng. Abstr.) **(Ita)**

[Behavior of blood gamma glutamyltransferase in workers exposed to hepatotoxic agents] Boari C, et al. **Minerva Med** 1985 May 31;76(22-23):1055-8 (Eng. Abstr.) **(Ita)**

[Early cancer and related changes in the bronchial epithelium of former mustard gas workers] Tokuoka S. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):708-13 (Eng. Abstr.) **(Jpn)**

[A case of pneumonitis possibly due to isocyanate in an automobile painter] Dosaka H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Nov; 22(11):1040-5 (Eng. Abstr.) **(Jpn)**

[Hypersensitivity pneumonitis in a polyurethane paint sprayer] Fujimura N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jun; 22(6):506-13 (Eng. Abstr.) **(Jpn)**

[A case of trichloroethylene polyneuropathy] Nakajima T, et al. **Sangyo Igaku** 1984 Mar;26(2):182-3 **(Jpn)**

[Bronchial asthma due to inhaled chloroplatinate] Shima S, et al. **Sangyo Igaku** 1984 Nov;26(6):500-9 (Eng. Abstr.) **(Jpn)**

[Chronic renal dysfunction in workers exposed to cadmium oxide fume. Medical examinations of welders using cadmium containing silver solder] Toda K, et al. **Sangyo Igaku** 1984 May;26(3):212-23 (Eng. Abstr.) **(Jpn)**

[Trend of occupational medicine. Prospective studies of occupational diseases caused by harmful chemicals] Sakabe H. **Sangyo Ika Daigaku Zasshi** 1983 Dec 1;5(4):525-30 **(Jpn)**

[Organic solvents. Damage to the peripheral nervous system] Aarli JA, et al. **Tidsskr Nor Laegeforen** 1985 Feb 28; 105(6):417-20 (Eng. Abstr.) **(Nor)**

[Lead. An old toxic agent in modern occupational medicine] Alexander J, et al. **Tidsskr Nor Laegeforen** 1984 Nov 20; 104(32):2239-43 (Eng. Abstr.) **(Nor)**

[Diagnosis of injuries caused by solvents at an occupational health unit] Bakke JV, et al. **Tidsskr Nor Laegeforen** 1985 Mar 30;105(9-10):680-2 (Eng. Abstr.) **(Nor)**

[Polymer-fume fever. Current diagnosis in general practice] Hagestad K. **Tidsskr Nor Laegeforen** 1984 Aug 20; 104(23):1546-7 (Eng. Abstr.) **(Nor)**

[Cancer among nurses. With special reference to exposure to anesthetic gases] Lund E. **Tidsskr Nor Laegeforen** 1985 Mar 20;105(8):572-5 (Eng. Abstr.) **(Nor)**

[Cytotoxic drug regimen at Tynset hospital. Experiences after a change of routines at a local hospital] Toftegaard LH, et al. **Tidsskr Nor Laegeforen** 1985 Jan 10;105(1):39-40 (Eng. Abstr.) **(Nor)**

[Occupational hazards of chemical carcinogens] Indulski J, et al. **Med Pr** 1984;35(6):443-8 (Eng. Abstr.) **(Pol)**

[Evaluation of the organ of sight in workers at the Masovian Refinery-Petrochemistry Plant. II. Correlation of the results of ophthalmological tests with the results of specialized and laboratory tests] Krawczykowa Z, et al. **Med Pr** 1984;35(3):227-30 (Eng. Abstr.) **(Pol)**

[State of the nervous system of workers engaged in painting with bituminous lacquers] Majdecki T, et al. **Med Pr** 1985; 36(1):43-9 (Eng. Abstr.) **(Pol)**

[Tetraethyl lead metabolism and the possibility of evaluation of occupational risk] Turlakiewicz Z, et al. **Med Pr** 1984; 35(4):279-87 **(Pol)**

[Chronic nonspecific respiratory tract diseases in workers in automobile tire plants] Kossmann S, et al. **Pneumonol Pol** 1984 Nov-Dec;52(11-12):573-9 (Eng. Abstr.) **(Pol)**

[Nervous system disorders in workers constantly exposed to manganese] Maslanka S. **Pol Tyg Lek** 1984 Sep 24; 39(39):1293-5 (Eng. Abstr.) **(Pol)**

[Health status of workers chronically exposed to lead] Sroczynski J, et al. **Pol Tyg Lek** 1985 Feb 25;40(8):221-3 (Eng. Abstr.) **(Pol)**

[The most common diseases caused by the adverse effect of phenols and chlorophenols] Taraszkiewicz F, et al. **Pol Tyg Lek** 1984 Jul 30;39(31):1053-6 (26 ref.) **(Pol)**

[Case of lipid pneumonia] Bednarski Z. **Wiad Lek** 1984 Sep 15;37(18):1433-5 (Eng. Abstr.) **(Pol)**

[Carcinogenic effect of chemical substances on humans] Kimina SN, et al. **Gig Sanit** 1985 Feb;(2):57-60 (70 ref.) **(Rus)**

[Hygienic evaluation of working conditions in zinc hydrometallurgy] Nishchii RA. **Gig Sanit** 1985 Jan;(1):93-5 **(Rus)**

[Methods of studying the cardiovascular system during exposure to harmful chemicals] Tychinin VA, et al. **Gig Sanit** 1984 Sep;(9):68-71 **(Rus)**

[Dynamics of the liver enzyme profile of workers in the phosphorus industry and of patients with chronic phosphorus poisoning following the use of hyperbaric oxygenation] Beloskurskaia GI, et al. **Gig Tr Prof Zabol** 1984 Jul;(7):11-5 (Eng. Abstr.) **(Rus)**

[Hygienic significance of dimethylformamide penetration through the skin] Bortsevich SV. **Gig Tr Prof Zabol** 1984 Nov;(11):55-7 **(Rus)**

[Analysis of chlorobenzene in skin washings] Burina AI, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):53-5 **(Rus)**

[Need for further improvement in the prevention of occupational mercurialism in modern instrument manufacturing plants] Eremin AL, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):58-9 **(Rus)**

[Morbidity with temporary disability in the production of bulk yarns of polyacrylonitrile fiber] Gratsianskaia LV. **Gig Tr Prof Zabol** 1985 Feb;(2):52-4 **(Rus)**

[Clinical use of cuprenil in chronic chromium poisoning] Iakovlev NA. **Gig Tr Prof Zabol** 1984 Oct;(10):28-31 (Eng. Abstr.) **(Rus)**

[Cholinergic activity of the blood among healthy workers in the chromium industry and workers with chromium pathology] Iakovlev NA, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):43-6 (Eng. Abstr.) **(Rus)**

[Features of hygienic control of contact contamination of the skin with industrial poisons] Krapotkina MA, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):30-4 (Eng. Abstr.) **(Rus)**

[Early diagnosis of chronic vinyl chloride poisoning] Langauer-Lewowicka H, et al. **Gig Tr Prof Zabol** 1985 Jan;(1):53-4 **(Rus)**

[Characteristics of the course of chronic hepatitis in workers coming in contact with florine compounds] Medvedeva VN. **Gig Tr Prof Zabol** 1985 Jan;(1):24-6 (Eng. Abstr.) **(Rus)**

[Allergic retinovasculitis in patients with occupational pathology caused by antibiotics (penicillin and streptomycin)] Karacharova SV. **Oftalmol Zh** 1985; (2):100-1 (Eng. Abstr.) **(Rus)**

[Early signs of disorders of metabolism of aqueous humor in workers exposed to allyl chloride and its derivatives] Kasimova MD, et al. **Oftalmol Zh** 1985;(1):46-8 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the intensity of leukocyte migration and the degree of epithelial cell desquamation of the nasal mucosa in petroleum and petrochemical industry workers] Dzhafarov ZR. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):28-30 (Eng. Abstr.) **(Rus)**

[Various indicators of the pathology of the internal organs and the nervous system in workers exposed to pesticides in hothouses] Bezuglyi VP, et al. **Vrach Delo** 1985 Feb; (2):105-8 (Eng. Abstr.) **(Rus)**

[Various characteristics of chronic tetraethyl lead poisoning] Gavrilenko AG, et al. **Vrach Delo** 1985 Apr;(4):100-2 (34 ref.) (Eng. Abstr.) **(Rus)**

[Blood serotonin levels and urinary excretion of tryptamine in toxic hepatitis caused by fluoride compounds] Medvedeva VN. **Vrach Delo** 1985 Jun;(6):92-5 (Eng. Abstr.) **(Rus)**

[Study of pulmonary ventilation function in workers exposed to carbon monoxide in the Svetozarevo cable factory] Trajković M. **Srp Arh Celok Lek** 1984 Sep;112(9):909-17 (Eng. Abstr.) **(Scr)**

[Polyneuropathy caused by ethylene dioxide] Kovač S, et al. **Arh Hig Rada Toksikol** 1984 Mar;35(1):3-10 (Eng. Abstr.) **(Scr)**

[Nasal pathology in a bichromate industry] Villalbi JR, et al. **An Otorrinolaringol Ibero Am** 1984;11(4):291-7 (Eng. Abstr.) **(Spa)**

[The lung and industry (editorial)] León I. **Bol Asoc Med PR** 1984 Sep;76(9):381-2 **(Spa)**

[Neuropathy caused by n-hexane (letter)] Monferrer Guardiola R, et al. **Med Clin (Barc)** 1984 Nov 10;83(15):651 **(Spa)**

[Toxic lichenoid melanodermatitis] Escudero Ordóñez J, et al. **Med Cutan Iber Lat Am** 1984;12(3):199-202 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Classification of occupational bronchial asthma of chemical etiology] Ozhiganova VN. **Gig Tr Prof Zabol** 1984 Nov; (11):39-43 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Organic affective illness associated with lead intoxication. Schottenfeld RS, et al. **Am J Psychiatry** 1984 Nov; 141(11):1423-6

Substance abuse and teacher stress. Fimian MJ, et al. **J Drug Educ** 1985;15(2):139-55

Occupational stress, health-related behavior, and blood pressure: a 5-year follow-up. Aro S. **Prev Med** 1984 Jul; 13(4):333-48

Long-term observation of poison gas workers with special reference to respiratory cancers. Nishimoto Y, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:89-94

[Pregnancy in a worker exposed to lead] Valentino M, et al. **Med Lav** 1984 Jul-Aug;75(4):296-9 (Eng. Abstr.) **(Ita)**

[Hearing function and equilibrium in patients with chronic brucellosis and metabrucellosis] Zelachowska M, et al. **Pol Tyg Lek** 1984 Nov 5;39(45):1469-72 (Eng. Abstr.) **(Pol)**

[Prevention of cardiohemodynamic disorders at the preclinical stage of chronic fluorine poisoning] Dudchenko MA, et al. **Ter Arkh** 1985;57(1):107-9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Human platelet 5-hydroxytryptamine concentration as a tool in prediction of solvent induced neurotoxic effects. Lam HR, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Mar; 56(3):233-8

Diagnostic tests in allergy to green coffee. Osterman K, et al. **Allergy** 1985 Jul;40(5):336-43

Health examination and air monitoring evaluation for workers exposed to 2-nitropropane. Crawford GN, et al. **Am Ind Hyg Assoc J** 1985 Jan;46(1):45-7

Biochemical and electrophysiological study of subjects with a history of past lead exposure. Corsi G, et al. **Am J Ind Med** 1984;6(4):281-90

A Bayesian approach for predicting judged hearing disability. Phaneuf R, et al. **Am J Ind Med** 1985;7(4):343-52

Use of serum bile acids in the identification of vinyl chloride hepatotoxicity. Liss GM, et al. **Am J Med** 1985 Jan; 78(1):68-76

'Atypical posttraumatic stress disorder' is misleading [letter] Feder R. **Am J Psychiatry** 1985 Sep;142(9):1125-6

Occupation-induced posttraumatic stress disorders. Schottenfeld RS, et al. **Am J Psychiatry** 1985 Feb; 142(2):198-202

Prognosis of mercury poisoning in mercury refinery workers. He FS, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):389-93

Neurophysiological studies on workers exposed to lead. Jeyaratnam J, et al. **Br J Ind Med** 1985 Mar;42(3):173-7

Modified nucleosides in asbestos workers at high risk of malignant disease: results of a preliminary study applying discriminant analysis. Solomon SJ, et al. **Br J Ind Med** 1985 Aug;42(8):560-2

Tuberculosis in health service staff [letter] **Br Med J [Clin Res]** 1985 Feb 9;290(6466):468-9

What do you work with? [editorial] Lee WR. **Br Med J [Clin Res]** 1985 Jun 22;290(6485):1846-7

What do you work with? [letter] Philipp R, et al. **Br Med J [Clin Res]** 1985 Aug 10;291(6492):412

Chasing the lead [editorial] Waldron HA. **Br Med J [Clin Res]** 1985 Aug 10;291(6492):366-7

Characteristics of coalminers who have suffered excessive loss of lung function over 10 years. Pern PO, et al. **Bull Eur Physiopathol Respir** 1984 Nov-Dec;20(6):487-93

Thrombosis of the ulnar artery [letter] Richards RR. **Can J Surg** 1985 Mar;28(2):109

Does a family history of allergy predict immediate skin test reactivity? Vedal S, et al. **Can Med Assoc J** 1985 Jan 1;

132(1):34-7

Pulmonary function measurement in the industrial setting. Chan-Yeung M, et al. **Chest** 1985 Aug;88(2):270-5 (58 ref.)

Predictors of bronchial hyperexcitability in grainhandlers. Enarson DA, et al. **Chest** 1985 Apr;87(4):452-5

Occupational asthma. Jones RN. **Clin Chest Med** 1984 Dec; 5(4):619-22

Resources available for patient evaluation. Blanke RV. **Clin Lab Med** 1984 Sep;4(3):499-506

Setting occupational health standards in Australia: the case of screen-based equipment operators' eyesight tests. Hocking B. **Community Health Stud** 1985;9(2):139-44

6000 Hz as an early indicator of noise-induced hearing loss. Dempsey JJ. **Ear Hear** 1985 May-Jun;6(3):159-60

Subclinical effects of exposure to inorganic mercury revealed by somatosensory-evoked potentials. Lamm O, et al. **Eur Neurol** 1985;24(4):237-43

Validity of various function tests performed in Japan as a screening test for vibration syndrome. Harada N, et al. **Int Arch Occup Environ Health** 1984;54(4):283-93

An unrecognised zoonosis?: Leptospirosis hardjo in man in the Republic of Ireland. Colgan M, et al. **Ir Med J** 1984 Aug;77(8):238-40

Comparison of occupational hearing losses among military engineers and their civilian counterparts. Fletcher JL, et al. **J Aud Res** 1983 Oct;23(4):241-50

Problem-solving techniques in occupational medicine. Shusterman D. **J Fam Pract** 1985 Sep;21(3):195-9

Static ergonomic strength testing in evaluating occupational back pain. Harber P, et al. **J Occup Med** 1984 Dec; 26(12):877-84

Psittacosis. A diagnostic challenge. Kuritsky JN, et al. **J Occup Med** 1984 Oct;26(10):731-3

Standard threshold shift criteria. An investigation of the most reliable indicator of noise-induced hearing loss. Lane CL, et al. **J Occup Med** 1985 Jan;27(1):34-42

The development of a cervical spine algorithm and its prospective application to industrial patients. Wiesel SW, et al. **J Occup Med** 1985 Apr;27(4):272-6

Application of a job-exposure matrix to a case-control study of lung cancer. Hinds MW, et al. **JNCI** 1985 Aug; 75(2):193-7

Biological monitoring of cadmium workers [letter] Hughes EG. **Lancet** 1984 Dec 22;2(8417-18):1467-8

RSI, or 'kangaroo paw' [letter] **Med J Aust** 1985 Apr 1; 142(7):423-4

RSI [letter] **Med J Aust** 1985 Sep 16;143(6):266

Occupational asthma. Field GB. **Med J Aust** 1984 Sep 1;141(5 Suppl):S42-4

Modified nucleosides and early detection of occupational cancer: a challenge for the future. Fischbein A, et al. **Mt Sinai J Med (NY)** 1985 Jun;52(6):480-3

Testing for mutagens in an aluminium plant. The results of Salmonella typhimurium tests on expectorates from exposed workers. Krøkje A, et al. **Mutat Res** 1985 Jun; 156(3):147-52

Allen's test: a tool for diagnosing ulnar artery trauma. Thompson CE, et al. **Nurse Pract** 1984 Dec;9(12):13, 16-7

Some personal health problems can be mistaken for job-related. Kurt TL. **Occup Health Saf** 1985 Jan;54(1):44

Instructions and techniques for reliable audiometric tests. Morrill JC. **Occup Health Saf** 1984 Sep;53(8):64-8

Medical lab services can help find employee chemical exposure. Palmer WG. **Occup Health Saf** 1985 Jul; 54(7):46-8

Thermographic changes in healthy persons produced by a simulator of vibrating tools. Chudáček Z, et al. **Radiol Diagn (Berl)** 1985;26(2):259-64

Effects of consecutive night-shift work on health conditions among car-cleaners of super-express trains. Ueno M, et al. **Sangyo Igaku** 1984 Nov;26(6):483-91

After the dust has settled--proposition for health care on the part of airlines. Funatsu Y. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:24-31

Alcohol, work and the nervous system. Juntunen J. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):461-5 (46 ref.)

Bronchitis in relation to work. Seaton A. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):471-2

Preclinical toxic effects of manganese in workers from a Mn salts and oxides producing plant. Roels H, et al. **Sci Total Environ** 1985 Mar 15;42(1-2):201-6

Risk of tuberculous infection among house staff in an urban teaching hospital. Chan JC, et al. **South Med J** 1985 Sep; 78(9):1061-4

A clinical evaluation of the diagnostic usefulness of an early dermal reaction to tuberculin: a failure to distinguish between tuberculosis and other respiratory disease. Kardjito T, et al. **Tubercle** 1985 Jun;66(2):129-32

Malignant mesothelioma. De Kraay WH. **Wis Med J** 1985 Feb;84(2):32-4

[The significance of stimulatory parameters of motor nerve fibers and the effect of cooling in diagnosing fine sensory lesions in peripheral nerves] Kyral V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1982;25(5):451-9 (Eng. Abstr.) **(Cze)**

[Audio-vestibular examination of persons with chronic toxic encephalopathy] Jensen JH, et al. **Ugeskr Laeger** 1984 Oct 29;146(44):3368-71 (Eng. Abstr.) **(Dan)**

[Occupational ethmoido-nasal cancer in woodworkers] Gaillard J. **J Fr Otorhinolaryngol** 1984 Dec;33(10):491-3 **(Fre)**

[Naso-sinus involvement of occupational origin] Rebattu JP, et al. **J Fr Otorhinolaryngol** 1984 Sep;33(7):357-62 **(Fre)**

[Lead poisoning. Apropos of cases observed in the village of Oued El Heimer and its surrounding area (Province of Oujda)] Benmansour N, et al. **Maroc Med** 1984 Dec; 6(4):315-27 (Eng. Abstr.) **(Fre)**

[Value of realistic exposure tests in the diagnosis of occupational asthma due to exotic woods] Colas M, et al. **Rev Pneumol Clin** 1985;41(1):39-46 (Eng. Abstr.) **(Fre)**

[Extrinsic allergic alveolitis, apropos of 3 cases] Ben Hassine K. **Tunis Med** 1983 May-Jun;61(3):219-21 (Eng. Abstr.) **(Fre)**

[Atopy screening: prick multitest, total IgE or RAST? On the value of allergologic testing of the staff of an industrial bakery] Hartmann AL, et al. **Schweiz Med Wochenschr** 1985 Apr 6;115(14):466-75 (Eng. Abstr.) **(Ger)**

[Is scleroderma without silicosis also an occupational disease?] Mehlhorn J. **Z Erkr Atmungsorgane** 1984; 163(1):65-9 (Eng. Abstr.) **(Ger)**

[EMG method in assessing diaphragmatic paralysis in a miner as an occupational disease] Oral I, et al. **Z Erkr Atmungsorgane** 1984;162(3):244-8 (Eng. Abstr.) **(Ger)**

[Incorporation of psychophysiologic pallesthesiometry into the diagnostic method inventory of industrial medical care of vibration-exposed workers] Oeser R, et al. **Z Gesamte Hyg** 1984 Jul;30(7):389-92 (Eng. Abstr.) **(Ger)**

[Detection of health complaints from the occupational psychologic viewpoint--experiences with the use of the Complaint Questionnaire in female workers] Schnabel G, et al. **Z Gesamte Hyg** 1985 Apr;31(4):209-11 (Eng. Abstr.) **(Ger)**

[Accuracy of the determination of az and aw in the speech audiogram according to the Trautmann and Oeken graphic evaluation method] Thamm R, et al. **Z Gesamte Hyg** 1985 Apr;31(4):212-4 (Eng. Abstr.) **(Ger)**

[Experiences in quantitative electrocardiographic evaluation of cardiovascular risk patients using new ischemia criteria in occupational medicine] Hölscher U, et al. **Z Gesamte Inn Med** 1985 Feb 1;40(3):69-72 (Eng. Abstr.) **(Ger)**

[Toxic methemoglobinemia--due to acute aniline-bromide poisoning] Ben-Chetrit E, et al. **Harefuah** 1983 Oct 16; 105(8):219-21 (Eng. Abstr.) **(Heb)**

[Can tinnitus in noise-induced hearing loss be objectively evaluated?] Caprioli R, et al. **Med Lav** 1984 Nov-Dec; 75(6):443-9 (Eng. Abstr.) **(Ita)**

[New diagnostic methods in occupational lung diseases: bronchoalveolar lavage. Experience at the Institute of Occupational Medicine, University of Milan] Forni A, et al. **Med Lav** 1985 Jan-Feb;76(1):11-6 (Eng. Abstr.) **(Ita)**

[Computerized thermometry and skin esthesiometry of the hands in the diagnosis of peripheral vascular disease due to vibrating tools] Perbellini L, et al. **Med Lav** 1984 Jul-Aug;75(4):282-95 (Eng. Abstr.) **(Ita)**

[New diagnostic methods in occupational lung diseases] Rubino GF. **Med Lav** 1985 Jan-Feb;76(1):3-4 (Eng. Abstr.) **(Ita)**

[Provocation test by occupational challenge for hypersensitivity pneumonitis (farmer's lung)] Fujikane T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jul; 22(7):577-83 (Eng. Abstr.) **(Jpn)**

[Diagnosis of peripheral neuropathy in lead workers] Araki S, et al. **Sangyo Igaku** 1984 Jan;26(1):3-8 (54 ref.) (Eng. Abstr.) **(Jpn)**

[A study on the thermographic diagnosis of vibration disease of tie-tamper operators in the Japanese National Railways] Hirahata H. **Sangyo Igaku** 1984 Jan;26(1):22-31 (Eng. Abstr.) **(Jpn)**

[Evaluation of six screening tests for vibration syndrome] Iwasaki S, et al. **Sangyo Igaku** 1984 Nov;26(6):477-82 (Eng. Abstr.) **(Jpn)**

[Permanent shift of auditory thresholds caused by continuous and impulse noise: comparative studies] Sułkowski W. **Med Pr** 1984;35(5):365-71 (Eng. Abstr.) **(Pol)**

[Immunological studies in persons occupationally exposed to brucellosis] Stojek NM. **Wiad Lek** 1985 Apr 15; 38(8):572-8 (Eng. Abstr.) **(Pol)**

['Otic sonotrepidosis' and the bone changes in pneumatic hammer operators] Ghibuş I, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep;29(3):191-8 (Eng. Abstr.) **(Rum)**

[Deafness and the radiologic aspect of the mastoid in chippers using pneumatic hammers on steel and iron castings] Ghibuş I, et al. **Rev Chir [Otorinolaringol]** 1984 Oct-Dec; 29(4):285-91 (Eng. Abstr.) **(Rum)**

[Assessment of peripheral thermoregulation in vibration disease patients by dynamic heat calorimetry] Deinega VG, et al. **Gig Tr Prof Zabol** 1985 Mar;(3):29-31 (Eng. Abstr.) **(Rus)**

[Importance of the method of stimulation electromyography for the early diagnosis of peripheral neuropathy from lead exposure] Petina LV, et al. **Gig Tr Prof Zabol** 1985 Apr; (4):26-30 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical picture and course of neurotic disorders in people engaged in diamond cutting] Ryzhkova MN, et al. **Gig Tr Prof Zabol** 1985 Jan;(1):7-11 (Eng. Abstr.) **(Rus)**

[Diagnosis of ischemic heart disease in an organized population] Bluzhas IN, et al. **Kardiologiia** 1984 Nov; 24(11):61-3 (Eng. Abstr.) **(Rus)**

[Detection of patients with chronic nonspecific respiratory tract diseases and tuberculosis among workers of a large industrial plant by using primary automated screening] Kibrik BS, et al. **Probl Tuberk** 1984 Jul;(7):6-9 (Eng. Abstr.) **(Rus)**

[Principles of cytogenetic examination for detecting occupational hazards] Bochkov NP, et al. **Tsitol Genet** 1984 Nov-Dec;18(6):422-8 (Eng. Abstr.) **(Rus)**

[Possibility of using data on the manganese content of the hair of welders as an exposure test] Gorban' LN, et al. **Vrach Delo** 1985 Jun;(6):87-9 (Eng. Abstr.) **(Rus)**

[Early diagnosis of cardiac disorders in coal miners] Ignatova OA, et al. **Vrach Delo** 1984 Aug;(8):105-7 (Eng. Abstr.) **(Rus)**

[Cardiovascular diseases in workers in the mining industry] Koval'chuk AA, et al. **Vrach Delo** 1984 Aug;(8):107-9 (Eng. Abstr.) **(Rus)**

[Active oculography as a method of diagnosing the psychophysiologic condition of a man] Volkov VG, et al. **Zh Vyssh Nerv Deiat** 1984 Nov-Dec;34(6):1022-30 (Eng. Abstr.) **(Rus)**

[Occupational asthma--the problem of verification] Stangl B. **Plucne Bolesti** 1984 Jul-Dec;36(3-4):241-7 (Eng. Abstr.) **(Scr)**

[Tussiphonogram of workers exposed to toluene] Korpáš J, et al. **Bratisl Lek Listy** 1985 Apr;83(4):450-6 (Eng. Abstr.) **(Slo)**

[Inflammatory cervical tumor: carbuncle] Garcia García B, et al. **An Otorrinolaringol Ibero Am** 1984;11(5-6):397-404 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Behavior of lead and zinc in plasma, erythrocytes, and urine and ALAD in erythrocytes following intravenous infusion of CaEDTA in lead workers. Araki S, et al. **Arch Environ Health** 1984 Sep-Oct;39(5):363-7

2,3-Dimercaptosuccinic acid as an antidote for lead intoxication. Graziano JH, et al. **Clin Pharmacol Ther** 1985 Apr;37(4):431-8

Ketoconazole-treated sporotrichosis in a veterinarian. Samorodin CS, et al. **Cutis** 1984 May;33(5):487-8

Acute administration of triazolam for the daytime sleep of rotating shift workers. Walsh JK, et al. **Sleep** 1984; 7(3):223-9

[Acute phosgene poisoning: therapeutic effect of 156 cases] Zhu J. **Chung Hua Nei Ko Tsa Chih** 1985 Apr;24(4):224-6, 255 (Eng. Abstr.) **(Chi)**

[Endonasal electrophoresis of unithiol in the treatment of patients with early symptoms of chromium poisoning] Iakovlev NA, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):13-6 (Eng. Abstr.) **(Rus)**

[Effectiveness of using levamisole in workers sensitized to hexavalent chromium] Budanova LF, et al. **Vrach Delo** 1984 Oct;(10):104-8 (Eng. Abstr.) **(Rus)**

[Therapeutic effectiveness of ultrasound and the phonophoresis of an analgesic mixture in vibration disease] Kupriianova TS, et al. **Vrach Delo** 1984 Nov;(11):118-9 **(Rus)**

ECONOMICS

The 'new economics' and industrial health: an explanation. Chelius JR. **Int J Health Serv** 1985;15(1):135-44

Racial inequality and occupational health in the United States: the effect on white workers. Robinson JC. **Int J Health Serv** 1985;15(1):23-34

Health management consultants use diverse programs in achieving goals. Chenoweth D. **Occup Health Saf** 1985 Feb;54(2):53-6

Economic appraisal in occupational health and safety regulation. A study of some standard methods. Lindeneg K. **Scand J Soc Med** 1985;13(3):127-32

[Economic loss from morbidity with temporary loss of work capacity and the economic effect of its decrease] Dogle NV, et al. **Gig Tr Prof Zabol** 1984 Jul;(7):1-6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Occupational exposure to benzene, toluene and xylene and the lymphocyte lysosomal N-acetyl-beta-D-glucosaminidase. Moszczyński P, et al. **Ind Health** 1985;23(1):47-51

[Research on the activation of delta-aminolevulinic acid dehydrase in lead exposure monitoring] Lu XZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Mar;19(2):93-6 (Eng. Abstr.) **(Chi)**

ETIOLOGY

Contact urticaria in laboratory technicians working with animals. Agrup G, et al. **Acta Derm Venereol (Stockh)** 1985; 65(2):111-5

The influence of mental stress at work on the development of psychosomatic disease. Markotic-Bogavčic G, et al. **Acta Med Iugosl** 1985;39(1):3-12

Vibration-induced neuropathy among forestry workers. Färkkilä M, et al. **Acta Neurol Scand** 1985 Mar;71(3):221-5

Infrared radiation and cataract. III. Differences between the two eyes of glass workers. Lydahl E, et al. **Acta Ophthalmol (Copenh)** 1985 Feb;63(1):39-44

Infrared radiation and cataract. I. Epidemiologic investigation of iron- and steel-workers. Lydahl E, et al. **Acta Ophthalmol (Copenh)** 1984 Dec;62(6):961-75

Infrared radiation and cataract II. Epidemiologic investigation of glass workers. Lydahl E, et al. **Acta Ophthalmol (Copenh)** 1984 Dec;62(6):976-92

Infrared radiation and cataract. Lydahl E. **Acta Ophthalmol [Suppl] (Copenh)** 1984;166:1-63

Sinonasal cancer and exposure to softwood. Voss R, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):172-8

Nasal problems in wood furniture workers. A study of symptoms and physiological variables. Wilhelmsson B, et al. **Acta Otolaryngol (Stockh)** 1984 Nov-Dec; 98(5-6):548-55

A study of serum antibody activity in workers with occupational exposure to diphenylmethane diisocyanate. Tse KS, et al. **Allergy** 1985 Jul;40(5):314-20

Nasal hypersensitivity in wood furniture workers. An allergological and immunological investigation with special reference to mould and wood. Wilhelmsson B, et al. **Allergy** 1984 Nov;39(8):586-95

Achieved status as a risk factor in epidemiology. Graham S, et al. **Am J Epidemiol** 1985 Oct;122(4):553-8 (19 ref.)

Malignant lymphoma and multiple myeloma linked with agricultural occupations in a New Zealand Cancer Registry-based study. Pearce NE, et al. **Am J Epidemiol** 1985 Feb;121(2):225-37

Childhood leukemia and parental occupation. A register-based case-control study. van Steensel-Moll HA, et al. **Am J Epidemiol** 1985 Feb;121(2):216-24

Silica, pneumoconiosis, and carcinoma of the lung. Heppleston AG. **Am J Ind Med** 1985;7(4):285-94 (72 ref.)

Bladder cancer risk among auto and truck mechanics and chemically related occupations. Smith EM, et al. **Am J Public Health** 1985 Aug;75(8):881-3

Asbestos-related disease in railroad workers. A cross-sectional study. Oliver LC, et al. **Am Rev Respir Dis** 1985 Apr;131(4):499-504

Defining an adverse respiratory health effect. Samet JM. **Am Rev Respir Dis** 1985 Apr;131(4):487

A respiratory epidemiologic survey of grain mill workers in Cape Town, South Africa. Yach D, et al. **Am Rev Respir Dis** 1985 Apr;131(4):505-10

Hypersensitivity pneumonitis in grain farmers due to sensitization to Erwinia herbicola. Dutkiewicz J, et al. **Ann Allergy** 1985 Jan;54(1):65-8

Severe acute 'occupational asthma' caused by accidental allergen exposure in an allergen challenge laboratory. Hoeppner VH, et al. **Ann Allergy** 1985 Jul;55(1):36-7

Accelerated hearing loss in urban emergency medical services firefighters. Pepe PE, et al. **Ann Emerg Med** 1985 May;14(5):438-42

Hand exposure to microwaves [letter] Stein JM. **Ann Emerg Med** 1985 Mar;14(3):278-9

Occupational hazards to hospital personnel. Patterson WB, et al. **Ann Intern Med** 1985 May;102(5):658-80 (370 ref.)

Isolation and characterization of a new Cytophaga species implicated in a work-related lung disease. Liebert CA, et al. **Appl Environ Microbiol** 1984 Nov;48(5):936-43

Mule spinner's disease. Castiglione FM Jr, et al. **Arch Dermatol** 1985 Mar;121(3):370-2

Chronic respiratory effects of exposure to diesel emissions in coal mines. Ames RG, et al. **Arch Environ Health** 1984 Nov-Dec;39(6):389-94

Temporal patterns of exposure and nonmalignant pulmonary abnormality in Quebec chrysotile workers. Copes R, et al. **Arch Environ Health** 1985 Mar-Apr;40(2):80-7

Death certificate case-control study of cancers of the prostate and colon and employment in the textile industry. Hoar SK, et al. **Arch Environ Health** 1984 Jul-Aug;39(4):280-3

Biological effects of microwave radiation. Dordevic Z, et al. **Arh Hig Rada Toksikol** 1983 Dec;34(4):295-9

Radon daughter exposure in mines, smoking and lung cancer. Edling C. **Arh Hig Rada Toksikol** 1983 Dec;34(4):265-73

The effects of ultraviolet radiation on occupationally exposed workers. Skreb Y, et al. **Arh Hig Rada Toksikol** 1983 Dec; 34(4):275-86 (29 ref.)

Corynebacterium pseudotuberculosis abscesses in a young butcher [letter] Richards M, et al. **Aust NZ J Med** 1985 Feb;15(1):85-6

The stress of work: an overview. Cooper CL. **Aviat Space Environ Med** 1985 Jul;56(7):627-32

Occupational stress and the professional pilot: the role of the Pilot Advisory Group (PAG). Johnston N. **Aviat Space Environ Med** 1985 Jul;56(7):633-7

The association of age, flying time, and aircraft type with hearing loss of aircrew in the Israeli Air Force. Ribak J, et al. **Aviat Space Environ Med** 1985 Apr;56(4):322-7

Foot infection in coal miners: a reassessment. Hope YM, et al. **Br J Dermatol** 1985 Apr;112(4):405-13

AIDS, infectivity, and health care workers. Kernoff PB. **Br J Haematol** 1985 Jun;60(2):207-11

Relation of haemostatic function, neurovascular impairment, and vibration exposure in workers with different stages of vibration induced white finger. Bovenzi M, et al. **Br J Ind Med** 1985 Apr;42(4):253-9

Health of workers exposed to electric fields. Broadbent DE, et al. **Br J Ind Med** 1985 Feb;42(2):75-84

Professional driving, smoking, and lung cancer: a case referent study. Damber L, et al. **Br J Ind Med** 1985 Apr; 42(4):246-52

Female reproductive health in two lamp factories: effects of exposure to inorganic mercury vapour and stress factors. De Rosis F, et al. **Br J Ind Med** 1985 Jul;42(7):488-94

On the relative toxicity of asbestos fibres [letter] Finkelstein M. **Br J Ind Med** 1985 Jan;42(1):69-70

A study of dose-response relationships for asbestos associated disease. Finkelstein MM. **Br J Ind Med** 1985 May; 42(5):319-25

Follow up study of vibration induced white finger in chain saw operators. Futatsuka M, et al. **Br J Ind Med** 1985 Apr; 42(4):267-71

Comparative study of vibration disease among operators of vibrating tools by factor analysis. Futatsuka M, et al. **Br J Ind Med** 1985 Apr;42(4):260-6

Respiratory morbidity in wollastonite workers. Hanke W, et al. **Br J Ind Med** 1984 Nov;41(4):474-9

Dysbaric hazard of a new fishing method in Hong Kong: case report. Lam TH, et al. **Br J Ind Med** 1985 Mar; 42(3):209-10

Rice millers' syndrome: a preliminary report. Lim HH, et al. **Br J Ind Med** 1984 Nov;41(4):445-9

Mesothelioma and asbestos fibre type [letter] McDonald AD, et al. **Br J Ind Med** 1985 Aug;42(8):567-8

Lung cancer among asbestos cement workers. A Swedish cohort study and a review. Ohlson CG, et al. **Br J Ind Med** 1985 Jun;42(6):397-402

Sympathetic and local vasoconstrictor response to cold in vibration induced white finger. Olsen N, et al. **Br J Ind Med** 1985 Apr;42(4):272-5

Rates of sickness absenteeism among employees of a modern hospital: the role of demographic and occupational factors. Pines A, et al. **Br J Ind Med** 1985 May;42(5):326-35

Wheat flour sensitisation and airways disease in urban bakers. Prichard MG, et al. **Br J Ind Med** 1984 Nov;41(4):450-4

Back pain and heavy physical work: a comparative study of concrete reinforcement workers and maintenance house painters. Riihimäki H. **Br J Ind Med** 1985 Apr;42(4):226-32

Allergy to laboratory animals [letter] Slovak AJ, et al. **Br J Ind Med** 1985 Mar;42(3):213-4

Respiratory impairment in coffee factory workers in the Asaro Valley of Papua New Guinea. Smith D, et al. **Br J Ind Med** 1985 Jul;42(7):495-8

Effects of radiant heat in fire fighting instructors. Stevenson CJ. **Br J Ind Med** 1985 Jan;42(1):67-8

Is low intensity vibration harmful to the digits? Vestbo J, et al. **Br J Ind Med** 1985 Aug;42(8):565-6

Strain on the back in concrete reinforcement work. Wickström G, et al. **Br J Ind Med** 1985 Apr;42(4):233-9

Severe diffuse small airways abnormalities in long term chrysotile asbestos miners. Wright JL, et al. **Br J Ind Med** 1985 Aug;42(8):556-9

Histological types of malignant mesothelioma and asbestos exposure. Wright WE, et al. **Br J Ind Med** 1984 Nov; 41(4):514-7

Bronchial reactivity in green coffee exposure. Zuškin E, et al. **Br J Ind Med** 1985 Jun;42(6):415-20

Leatherwork: a possible hazard to reproduction. Clarke M, et al. **Br Med J [Clin Res]** 1985 Apr 27;290(6477):1235-7

Leatherwork: a possible hazard to reproduction [letter] Golding J, et al. **Br Med J [Clin Res]** 1985 Jun 29; 290(6486):1986

Comparison of health problems related to work and environmental measurements in two office buildings with different ventilation systems. Robertson AS, et al. **Br Med J [Clin Res]** 1985 Aug 10;291(6492):373-6

AIDS and the anaesthetist. Cordero AS, et al. **Can Anaesth Soc J** 1985 Jan;32(1):45-8 (15 ref.)

Occupational Hazards of anaesthesia. A panel discussion. Pope WD, et al. **Can Anaesth Soc J** 1985 Mar;32(2):142-8

Vibration-induced white finger disease: a case report. Lee EH, et al. **Can J Surg** 1984 Sep;27(5):513-4

Fiber concentration in lung tissue of patients with malignant mesothelioma. A case-control study. Mowé G, et al. **Cancer** 1985 Sep 1;56(5):1089-93

A case-control study of stomach cancer in a coal mining region of Pennsylvania. Weinberg GB, et al. **Cancer** 1985 Aug 1;56(3):703-13

Transfer RNA breakdown products in the urine of asbestos workers. Fischbein A, et al. **Cancer Detect Prev** 1984; 7(4):247-52

Enhancement of lung cancer by cigarette smoking in uranium and other miners. Archer VE. **Carcinog Compr Surv** 1985; 8:23-37

Chronic lung disease in cotton textile workers [letter] **Chest** 1985 Mar;87(3):406-8

Factors affecting the development of precipitating antibodies in workers exposed to contaminated humidifiers. Finnegan MJ, et al. **Clin Allergy** 1985 May;15(3):281-92

Isolated late asthmatic reaction due to nickel sulphate without antibodies to nickel. Malo JL, et al. **Clin Allergy** 1985 Mar; 15(2):95-9

Follow-up study of patients with respiratory disease due to toluene diisocyanate (TDI). Paggiaro PL, et al. **Clin Allergy** 1984 Sep;14(5):463-9

A longitudinal study of possible allergy to enzyme detergents. Pepys J, et al. **Clin Allergy** 1985 Mar;15(2):101-15

Skin test and RAST responses to wheat and common allergens and respiratory disease in bakers. Prichard MG, et al. **Clin Allergy** 1985 Mar;15(2):203-10

Shoulder pain and heavy manual labor. Herberts P, et al. **Clin Orthop** 1984 Dec;(191):166-78

Nasal mucociliary clearance in hairdressers: correlation to exposure to hair spray. Borum P, et al. **Clin Otolaryngol** 1984 Dec;9(6):329-34

Respiratory responses to inhaled small organic molecules and related agents encountered in the workplace. Butcher BT, et al. **Clin Rev Allergy** 1985 Jul;3(3):351-61 (34 ref.)

Laboratory animal allergy. de Groot AC, et al. **Contact Dermatitis** 1984 Aug;11(2):121-2

A case-control study of diesel exhaust exposure and bladder cancer. Wynder EL, et al. **Environ Res** 1985 Aug; 37(2):475-89

Hazard analysis in chemical complexes in Japan—especially those caused by human errors. Hayashi Y. **Ergonomics** 1985 Jun;28(6):835-41

Occupational hazards associated with diseases of the skeletal system. Hettinger T. **Ergonomics** 1985 Jan;28(1):69-75

Immunological aspects of humidifier fever. Forsgren A, et al. **Eur J Clin Microbiol** 1984 Oct;3(5):411-8

Acute and long-term airway hyperreactivity in aluminium-salt exposed workers with nocturnal asthma. Simonsson BG, et al. **Eur J Respir Dis** 1985 Feb; 66(2):105-18

Proceedings of the VI International Symposium on Occupational Health in the Production of Artificial Organic Fibres. Mannheim (Federal Republic of Germany), September 12-15, 1983. **G Ital Med Lav** 1984 May-Jul; 6(3-4):75-166

Confirm or deny: nuclear submarine workers at Portsmouth Naval Shipyard had excess leukemia [letter] Bross ID. **Health Phys** 1985 Sep;49(3):535-6

Occupational stress, social support, and depression. Revicki DA, et al. **Health Psychol** 1985;4(1):61-77

A preliminary aero-biological survey in a virgin tobacco farm during harvesting. Ghosh SK, et al. **Indian J Med Res** 1984 Apr;79:566-70

Risk of hepatitis B acquisition among hospital staff [letter] Birnbaum D. **Infect Control** 1985 Jul;6(7):260

Occupational liver injury. Present state of knowledge and future perspective. Døssing M, et al. **Int Arch Occup Environ Health** 1985;56(1):1-21 (232 ref.)

Preliminary evaluation of dose-effect relationships for vibration induced white finger in Japan. Futatsuka M, et al. **Int Arch Occup Environ Health** 1984;54(3):201-21

Alcohol, smoking, social and occupational factors in the aetiology of cancer of the oral cavity, pharynx and larynx. Elwood JM, et al. **Int J Cancer** 1984 Nov 15;34(5):603-12

Occupational cancer: a hazard for epidemiologists. Doll R. **Int J Epidemiol** 1985 Mar;14(1):22-31

Stress at work: a review of Australian research. Spillane R. **Int J Health Serv** 1984;14(4):589-604 (49 ref.)

The politics of stress: the case of air traffic control. Tesh S. **Int J Health Serv** 1984;14(4):569-87

Noise levels and hearing thresholds in the drop forging industry. Taylor W, et al. **J Acoust Soc Am** 1984 Sep; 76(3):807-19

Asthma caused by African maple (Triplochiton scleroxylon) wood dust. Hinojosa M, et al. **J Allergy Clin Immunol** 1984 Dec;74(6):782-6

Calcinosis cutis resulting from percutaneous penetration and deposition of calcium. Wheeland RG, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 2):172-5

Stress in dentistry: where's the evidence? Ayers WA, et al. **J Am Dent Assoc** 1985 Jan;110(1):22

Hepatitis B virus infection in the dental profession. Cottone JA. **J Am Dent Assoc** 1985 Apr;110(4):617-21

Evaluation of the National Symposium Workshop on hepatitis B and the dental profession. Littlefield JH, et al. **J Am Dent Assoc** 1985 Apr;110(4):650

Safeguarding the physical well-being of dentists. Wagner M. **J Am Dent Assoc** 1985 Jan;110(1):16-24

Biomechanical study of bunion deformity and stress produced in classical ballet. Kravitz SR, et al. **J Am Podiatr Med Assoc** 1985 Jul;75(7):338-45

Dance floors. A causative factor in dance injuries. Werter R. **J Am Podiatr Med Assoc** 1985 Jul;75(7):355-8

Illness in the workplace: the challenge of musculoskeletal symptoms. Hadler NM. **J Hand Surg [Am]** 1985 Jul; 10(4):451-6

Change of resource-technology relations in abalone diving-fishing on Ojika Islands: its implication to labor and health of divers. Moji K, et al. **J Hum Ergol (Tokyo)** 1983 Dec;12(2):105-20

Work styles of Okinawan diving-fishers in relation to decompression sickness and physical complaints. Sasaki A, et al. **J Hum Ergol (Tokyo)** 1983 Dec;12(2):219-22

Exposure to fingers while handling a solvent extraction-type technetium-99m generator. Kini KS, et al. **J Nucl Med** 1985 Jun;26(6):650-4

Vibration syndrome in chipping and grinding workers. **J Occup Med** 1984 Oct;26(10):765-88 (66 ref.)

Respiratory illness in the construction trades. I. The significance of asbestos-associated pleural disease among sheet metal workers. Baker EL, et al. **J Occup Med** 1985 Jul;27(7):483-9

Evaluation for compensation of asbestos-exposed individuals. II. Apportionment of risk for lung cancer and mesothelioma. Chase GR, et al. **J Occup Med** 1985 Mar; 27(3):189-98

Hepatitis B virus and hepatoma [letter] Churchill FE Jr. **J Occup Med** 1984 Oct;26(10):709

Stress factors in the development of coronary artery disease. Dorian B, et al. **J Occup Med** 1984 Oct;26(10):747-56 (117 ref.)

Occupational illness. The issue of causality. Hadler NM. **J Occup Med** 1984 Aug;26(8):587-93

Occupational noise exposure and hearing loss characteristics of a blue-collar population. Helmkamp JC, et al. **J Occup Med** 1984 Dec;26(12):885-91

Excess leukemia in a refinery population. McCraw DS, et al. **J Occup Med** 1985 Mar;27(3):220-2

Testicular cancer risk in agricultural occupations [letter] Mills PK, et al. **J Occup Med** 1984 Nov;26(11):798-9

Symptoms consistent with carpal tunnel syndrome among hotel and restaurant workers [letter] Paulozzi L, et al. **J Occup Med** 1984 Sep;26(9):634

Hearing loss and intermittent noise exposure. Sataloff J, et al. **J Occup Med** 1984 Sep;26(9):649-56

Distal ulnar neuropathy in meat packers. An occupational disease? Streib EW, et al. **J Occup Med** 1984 Nov;26(11):842-3

Submarine painting: a cross-sectional epidemiological investigation into work-related symptoms and lung function. Woodroof GM. **J R Nav Med Serv** 1985 Summer;71(2):98-100

Cardiovascular risk factors in American and Japanese executives. Telecom Health Research Group. Comstock GW, et al. **J R Soc Med** 1985 Jul;78(7):536-45

Dysmenorrhea and cold exposure. Mergler D, et al. **J Reprod Med** 1985 Feb;30(2):106-11

A health survey of car painters of different ethnic origin and the importance of racial factors. Chatterjee DS. **J Soc Occup Med** 1984 Aug;34(3):86-9

Asbestos in hospitals [letter] Snashall dc, et al. **J Soc Occup Med** 1984 Aug;34(3):99

Cross-sectional study of respiratory effects of arc welding. Zober A, et al. **J Soc Occup Med** 1985 Autumn;35(3):79-84

Recent advances in occupational cancer. Becker CE, et al. **J Toxicol Clin Toxicol** 1984;22(3):195-208

Occupational cancer: clinical interpretation and application of scientific evidence. Rosenstock L. **J Toxicol Clin Toxicol** 1984;22(3):261-82

Approaches to surveillance of occupational cancer. Wegman DH. **J Toxicol Clin Toxicol** 1984;22(3):239-59

Mutagenicity of tobacco snuff: possible health implications for coal miners. Whong WZ, et al. **J Toxicol Environ Health** 1984;14(4):491-6

Lung cancer cell type and asbestos exposure. Churg A. **JAMA** 1985 May 24-31;253(20):2984-5

Tobacco smoking, coffee drinking, and occupation as risk factors for bladder cancer in Greece. Rebelakos A, et al. **JNCI** 1985 Sep;75(3):455-61

Smoking, occupation, and allergic lung disease [editorial] **Lancet** 1985 Apr 27;1(8435):965

The music clinic [editorial] **Lancet** 1985 Jun 8;1(8441):1309-10

'Silent keys': leukaemia deaths [letter] **Lancet** 1985 May 11;1(8437):1095-6

Microwave cataract in radio-linemen [letter] **Lancet** 1984 Sep 29;2(8405):760

Needlestick transmission of HTLV-III from a patient infected in Africa [editorial] **Lancet** 1984 Dec 15;2(8416):1376-7

Sore eyes due to accidental exposure to ultraviolet B [letter] Davies JE. **Lancet** 1984 Oct 27;2(8409):983

Stress and the musician [letter] Pullen I. **Lancet** 1985 Jul 6;2(8445):53

Engraving and risk of legionellosis [letter] Schofield GM, et al. **Lancet** 1985 May 11;1(8437):1101

Cancer of prostate among nickel-cadmium battery workers [letter] Soraham T, et al. **Lancet** 1985 Feb 23;1(8426):459

Sister chromatid exchanges in fishermen exposed to leaking mustard gas shells [letter] Wulf HC, et al. **Lancet** 1985 Mar 23;1(8430):690-1

RSI revisited [letter] **Med J Aust** 1985 Apr 29;142(9):529-30

RSI, 'kangaroo paw', or what? [letter] **Med J Aust** 1985 Mar 18;142(6):376-7

Occupation and lung cancer. Armstrong BK. **Med J Aust** 1985 Jun 24;142(13):680-1

AIDS and the reluctant surgeon. Dudley HA. **Med J Aust** 1985 Jun 10;142(12):651-2

Iron ore mining: assessing the environment. Major G. **Med J Aust** 1985 Jul 22;143(2):66-8

Occupational lung disease in Australia. Evolution of chronic airflow obstruction [editorial] Musk AW, et al. **Med J Aust** 1985 May 27;142(11):583-4

Iron ore mining. Description of the industry and potential risks to health. Musk AW. **Med J Aust** 1985 Jul 22;143(2):64-6

A subject for inquest--two cases of woodworkers' adenocarcinoma. Sarvesvaran R, et al. **Med Sci Law** 1985 Jan;25(1):63-6

Update: evaluation of human T-lymphotropic virus type III/lymphadenopathy-associated virus infection in health-care personnel--United States. **MMWR** 1985 Sep 27;34(38):575-8

Pricer palsy [letter] Wertsch JJ. **N Engl J Med** 1985 Jun 20;312(25):1645

Occupational health hazard for sports administrators [letter] Greig MH. **NZ Med J** 1985 May 22;98(779):400

Health risks of smoking increased by exposure to workplace chemicals. Blackwood MJ. **Occup Health Saf** 1985 Feb;54(2):23-7, 81 (15 ref.)

Coated and uncoated lung mineral fibres in subjects with and without pleural plaques at autopsy. Andrion A, et al. **Pathol Res Pract** 1984 Jul;178(6):611-6

Deposition of bauxite dust and pulmonary fibrosis. Bellot SM, et al. **Pathol Res Pract** 1984 Nov;179(2):225-9

Visual display units and health. Aldridge JF. **Practitioner** 1985 Jun;229(1404):539-45

Stress at work. Fingret A. **Practitioner** 1985 Jun;229(1404):547-55

Building sickness. Robertson AS, et al. **Practitioner** 1985 Jun;229(1404):531-4

Asbestos-exposed populations: prevention, care, and compensation. Richter ED, et al. **Prev Med** 1984 May;13(3):286-98

Occupational hazards workshop: summary and recommendations. Klingberg MA. **Prog Clin Biol Res** 1985;163B:307-10

Personal characteristics and back injury among hospital nursing personnel. Owen BD, et al. **Res Nurs Health** 1984 Dec;7(4):305-13

The effects of grain dust on health. Manfreda J, et al. **Rev Environ Health** 1984;4(3):239-67

Hypothenar Hammer syndrome. Arany L, et al. **ROFO** 1984 Dec;141(6):702-5

Hazards to the health of commercial aircrew. Bennett G. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:45-52

Aviation safety--physical and mental incapacitation. Bennett G. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:76-84

Circadian rhythmicity and fatigue in flight operations. Graeber RC, et al. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:122-30

Mental aberration in flight. Nagano H. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:59-65

Hyperbaric diuresis and nocturia--a review. Shiraki K, et al. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7(1):61-72 (15 ref.)

Otitic barotrauma and methods of prevention. Watanabe I, et al. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:177-84

Shift work and cardiovascular disease. Akerstedt T, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):409-14

Shoulder pain and tension neck and their relation to work. Anderson JA. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):435-42

Video display terminals and health. A technical and medical appraisal of the state of the art. Bergqvist UO. **Scand J Work Environ Health** 1984;10 Suppl 2:1-87

Current problems of nonionizing radiation. Izmerov NF. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):223-7

Occupational asbestos exposure, lung-fiber concentration and latency time in malignant mesothelioma. Mowé G, et al. **Scand J Work Environ Health** 1984 Oct;10(5):293-8

Occupational cancer. Where now and where next? Roe FJ. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):181-7

Organic dusts and lung reactions--exposure characteristics and mechanisms for disease. Rylander R. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):199-206

Man-made mineral fibers and health. Answered and unanswered questions. Saracci R. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):215-22

Respiratory symptoms and pulmonary function among welders working with aluminum, stainless steel and railroad tracks. Sjögren B, et al. **Scand J Work Environ Health** 1985 Feb;11(1):27-32

Mica pneumoconiosis--a literature review. Skulberg KR, et al. **Scand J Work Environ Health** 1985 Apr;11(2):65-74 (61 ref.)

On the interplay between socioeconomic factors, personality and work environment in the pathogenesis of cardiovascular disease. Theorell T, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):373-80

Causes, prediction and prevention of back pain at work. Troup JD. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):419-28 (104 ref.)

Tenosynovitis, peritendinitis and the tennis elbow syndrome. Viikari-Juntura E. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):443-9 (35 ref.)

Driller wrist (vibratory arthropathy). Rifkin MD, et al. **Skeletal Radiol** 1985;13(1):59-61

Working conditions and health: social epidemiology, patterns of stress and change. Karmaus W. **Soc Sci Med** 1984;19(4):359-72

Visual difficulties from video display terminals. Haik KG. **South Med J** 1985 Jul;78(7):887-8

Occupational asthma in a factory with a contaminated humidifier. Burge PS, et al. **Thorax** 1985 Apr;40(4):248-54

Pulmonary function in aluminium smelters. Field GB. **Thorax** 1984 Oct;39(10):743-51

Contaminated humidifiers and the lung [editorial] Hendrick DJ. **Thorax** 1985 Apr;40(4):244-7

Asthma due to contaminated humidifiers [letter] van Assendelft AH. **Thorax** 1985 Jul;40(7):560

Prognosis in occupational asthma [editorial] Yeung M, et al. **Thorax** 1985 Apr;40(4):241-3

Health risk factors for the development of decompression sickness among U.S. Navy divers. Dembert ML, et al. **Undersea Biomed Res** 1984 Dec;11(4):395-406

Asbestos and gastrointestinal cancer. A review of the literature. Morgan RW, et al. **West J Med** 1985 Jul;143(1):60-5

Identification and control of work-released diseases. Report of a WHO Expert Committee. **WHO Tech Rep Ser** 1985;714:1-71

[Raynaud's phenomenon among vibrating tool operators in Sichuan Province] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Mar;18(2):95-7 (Eng. Abstr.) **(Chi)**

[Slaughterhouse injuries. A retrospective study of 109 slaughterhouse injuries treated at casualty departments, with special emphasis on the type of injury and occurrence of infections] Andersen-Ranberg F, et al. **Ugeskr Laeger** 1985 Jan 28;147(5):401-2 (Eng. Abstr.) **(Dan)**

[Occupational bladder cancer] Hansen KS, et al. **Ugeskr Laeger** 1984 Oct 29;146(44):3393-8 (Eng. Abstr.) **(Dan)**

[Storage mites as a cause of housing or occupational allergy] Korsgaard J, et al. **Ugeskr Laeger** 1984 Jul 9;146(28):2114-7 (Eng. Abstr.) **(Dan)**

[Impact noise and discant hearing loss. A retrospective study] May O, et al. **Ugeskr Laeger** 1984 Jun 11;146(24):1813-8 (Eng. Abstr.) **(Dan)**

[Allergy to laboratory rats] Møller NE, et al. **Ugeskr Laeger** 1984 Dec 3;146(49):3869-72 (Eng. Abstr.) **(Dan)**

[Corneal ulceration in connection with the use of bone cement] Nissen JN, et al. **Ugeskr Laeger** 1984 Dec 17;146(51):4038-9 (Eng. Abstr.) **(Dan)**

[Disease caused by an airconditioner in a printing office] Pedersen OF, et al. **Ugeskr Laeger** 1984 Jul 2;146(27):2037-9 (Eng. Abstr.) **(Dan)**

[The indoor climate in schools. Otolaryngologic study of teachers from an older school without and a modern school with indoor climate] Sederberg-Olsen J, et al. **Ugeskr Laeger** 1984 May 7;146(19):1453-5 (Eng. Abstr.) **(Dan)**

[Effects of the use of nuclear medicine on the irradiation of the population and occupationally exposed persons] Mănescu S, et al. **Physiologie** 1985 Jan-Mar;22(1):55-61 **(Fre)**

[The problem of occupational cancer in cancer of the nose and the nasal sinuses in patients exposed to sawdust] Gibel W, et al. **Arch Geschwulstforsch** 1985;55(4):279-84 (Eng. Abstr.) **(Ger)**

[Criteria and indications for the recognition of malignant tumors as occupational diseases] Konetzke GW. **Arch Geschwulstforsch** 1985;55(2):147-9 **(Ger)**

[Incidence of backache in bus drivers] Folkerts W. **Beitr Orthop Traumatol** 1984 Aug;31(8):390-5 (Eng. Abstr.) **(Ger)**

[New aspects of the vibration disease. Results of a study in a large factory] Grzegorczyk L. **Derm Beruf Umwelt** 1985;33(2):55-8 (Eng. Abstr.) **(Ger)**

[Vascular diseases and occupation. Incidence and significance of circulatory diseases in occupational medicine] Marshall M. **Fortschr Med** 1984 Aug 16;102(29-30):746-51 (Eng. Abstr.) **(Ger)**

[Limits between normal and pathologic auditory fatigue following acoustic stress with high peak pressures in its significance for acoustically-induced hearing loss] Pfander F. **Laryngol Rhinol Otol (Stuttg)** 1984 Sep;63(9):435-8 (Eng. Abstr.) **(Ger)**

[A new questionnaire for the detection of causes of lung and respiratory tract diseases] Kronenberger H, et al. **Prax Klin Pneumol** 1985 Jul;39(7):233-51 (Eng. Abstr.) **(Ger)**

[Tropical fitness of vacation tourists and workers] Diesfeld HJ. **Ther Umsch** 1985 Jan;42(1):17-22 (Eng. Abstr.) **(Ger)**

[Criteria and references for the recognition of malignant tumors as occupational disease] Konetzke GW. **Z Arztl Fortbild (Jena)** 1985;79(2):89-90 **(Ger)**

[Occupational health status, development of occupational diseases and qualifications of occupational medical care in health and social services] Krüger W, et al. **Z Arztl Fortbild (Jena)** 1985;79(5):183-7 **(Ger)**

[Requests for change in professional direction--selected results with special reference to occupational medicine aspects] Krüger W, et al. **Z Gesamte Hyg** 1984 Dec;30(12):744-5 (Eng. Abstr.) **(Ger)**

[Healthy life style, health status and disease status in young workers] Schirmer K, et al. **Z Gesamte Hyg** 1984 Oct;30(10):534-7 (Eng. Abstr.) **(Ger)**

[Effect of social factors and life style on work disability of young workers] Schirmer K, et al. **Z Gesamte Hyg** 1984 Oct;30(10):537-41 (Eng. Abstr.) **(Ger)**

[Peritoneal mesotheliomas and exposure to asbestics] Ben-Dror G, et al. **Harefuah** 1985 May 1;108(9):435-7 (Eng. Abstr.) **(Heb)**

[Ocular damage in the laser industry] Marmur U, et al. **Harefuah** 1985 Apr 1;108(7):357-8 (Eng. Abstr.) **(Heb)**

[Is work-related exposure to vibration advisable in a patient wearing a silicone prosthesis?] Kákosy T, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984;27(3):209-11 (Eng. Abstr.) **(Hun)**

[Occupational and environmental pathology of the oral cavity] Malfatti ER. **G Clin Med** 1984 Sep-Oct;65(9-10):395-408 (Eng. Abstr.) **(Ita)**

[Propolis: incidence of hypersensitization in an at risk population] Tosti A, et al. **G Ital Dermatol Venereol** 1984 Sep-Oct;119(5):353-6 (Eng. Abstr.) **(Ita)**

[Proposal for evaluating the psychological effects of exposure to non-ionizing radiation in the work environment] Antoniazzi D, et al. **G Ital Med Lav** 1983 Jul;5(4):181-6

(Eng. Abstr.) (Ita)

[Endoscopy findings in gastroduodenal pathology in a group of welders] Gennari P, et al. **G Ital Med Lav** 1983 Sep; 5(5):203–6 (Eng. Abstr.) (Ita)

[Contribution of occupational health to the definition of risk due to exposure to hand-arm vibrations] Bovenzi M. **Med Lav** 1984 Jul-Aug;75(4):313–21 (Eng. Abstr.) (Ita)

[Considerations in a case of occupational bronchial asthma caused by rye flour] Bratico-Vangosa G, et al. **Med Lav** 1984 May-Jun;75(3):236–40 (Eng. Abstr.) (Ita)

[Air conditioning of workplaces and pathology of the upper airway] Caprioli R, et al. **Med Lav** 1984 Sep-Oct; 75(5):385–92 (Eng. Abstr.) (Ita)

[Chronic tracheobronchitis caused by exposure to alabaster and polyester resin dust: 2 case reports] Talini D, et al. **Med Lav** 1985 Mar-Apr;76(2):166–9 (Eng. Abstr.) (Ita)

[The elbow exposed to vibrating instruments and idiopathic diffuse skeletal hyperostosis: association or pure coincidence?] Trotta F, et al. **Minerva Med** 1984 Dec 15; 75(47–48):2821–7 (Eng. Abstr.) (Ita)

[The heterozygote beta-thalassemic patient with regard to radiological hazards] Toti A, et al. **Radiol Med (Torino)** 1984 Jul-Aug;70(7–8):516–9 (Eng. Abstr.) (Ita)

[Studies on health hazards among cooks providing school lunch service. Report 2. An analysis of factors associated with the development of health hazards] Oze Y. **Sangyo Igaku** 1984 Sep;26(5):425–37 (Eng. Abstr.) (Jpn)

[Vibration hazards in quarry workers] Sakakibara H, et al. **Sangyo Igaku** 1984 Mar;26(2):170–6 (Eng. Abstr.) (Jpn)

[Coronary heart disease among fishermen in the Gamvik district] Brunvand L. **Tidsskr Nor Laegeforen** 1985 Mar 30;105(9–10):663–4 (Eng. Abstr.) (Nor)

[Asbestos exposure and asbestos-related lung findings. A cross-sectional study in Telemark] Hilt B, et al. **Tidsskr Nor Laegeforen** 1985 Jun 30;105(19–21):1318–21 (Eng. Abstr.) (Nor)

[Effect of working for many years in a standing position on the incidence of flatfoot] Politowski M, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(5):449–54 (Eng. Abstr.) (Pol)

[Incidence of varicose changes in the lower limbs in relation to the type and duration of work] Politowski M, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(6):563–6 (Eng. Abstr.) (Pol)

[Living and working conditions and the nutrition of workers in the textile industry with pancreatic, biliary tract and intestinal diseases] Bojanowicz K, et al. **Med Pr** 1984; 35(4):293–6 (Eng. Abstr.) (Pol)

[Main coronary disease risk factors in metallurgy workers] Dosiak J, et al. **Med Pr** 1984;35(3):231–6 (Eng. Abstr.) (Pol)

[Stress-induced changes in the knee joint in men working in a kneeling position] Popko J, et al. **Med Pr** 1984; 35(4):305–8 (Eng. Abstr.) (Pol)

[Our experiences with the evaluation of occupational diseases of the organ of voice] Sulkowski W, et al. **Otolaryngol Pol** 1985;39(2):153–9 (Eng. Abstr.) (Pol)

[Chronic respiratory tract diseases in workers in the wood-processing industry] Lukjan Z, et al. **Pneumonol Pol** 1984 Nov-Dec;52(11–12):569–72 (Eng. Abstr.) (Pol)

[A case of atypical vibration syndrome] Knapikowa D, et al. **Pol Tyg Lek** 1984 Sep 24;39(39):1301–3 (Eng. Abstr.) (Pol)

[Viscosity and osmotic pressure of whole blood in workers exposed to occupational hazards (mainly mechanical vibration and noise)] Turczyński B, et al. **Pol Tyg Lek** 1984 Apr 9;39(15):497–500 (Eng. Abstr.) (Pol)

[Allergy to decorative plants] Rudzki E, et al. **Przegl Dermatol** 1984 Nov-Dec;71(6):509–13 (Eng. Abstr.) (Pol)

[Effect of microwave radiation on the hematopoietic and immunologic systems. I. Microwave generators, occupational exposure and the mechanism of biological action] Lisiewicz J, et al. **Przegl Lek** 1984;41(12):717–21 (18 ref.) (Pol)

[Preliminary results of studies on affective disorders among administrative personnel of a large industrial plant] Chłopicki K, et al. **Psychiatr Pol** 1984 Mar-Apr; 18(2):147–51 (Eng. Abstr.) (Pol)

[3 cases of lung neoplasms associated with occupations] Bednarski Z. **Wiad Lek** 1984 Jul 1;37(13):1017–20 (Eng. Abstr.) (Pol)

[Hygienic aspects of professional activities of personnel of resuscitation and intensive care units] Kaptsov VA, et al. **Gig Sanit** 1984 Dec;(12):21–4 (Rus)

[Dose-bioeffect relationship in long-term exposure to occupational noise] Mukhin VV, et al. **Gig Sanit** 1984 Aug; (8):18–21 (Eng. Abstr.) (Rus)

[Effect of noise on floating drilling rigs on the hearing of personnel] Varenikov II, et al. **Gig Sanit** 1985 Apr;(4):33–5 (Eng. Abstr.) (Rus)

[Evaluation of total vibration load and various medico-biological factors for predicting the time of onset of vibration disease in miners] Balan GM, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):13–6 (Eng. Abstr.) (Rus)

[Working conditions and the state of health of miners in coal pits at the Kansk-Achinsk fuel-energy complex] Borisenkova RV, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):1–5 (Eng. Abstr.) (Rus)

[Respiratory function in workers engaged in the manufacture of graphite articles] Gladkova EV, et al. **Gig Tr Prof Zabol** 1984 Aug;(8):31–4 (Eng. Abstr.) (Rus)

[Quantitative assessment of the severity of damage caused by local vibration] Griffin MJ. **Gig Tr Prof Zabol** 1985 Jun;(6):9–12 (Eng. Abstr.) (Rus)

[Occupational stress in operators of energy-generating units in present-day thermal power plants] Navakatikian AO, et al. **Gig Tr Prof Zabol** 1984 Aug;(8):42–6 (Eng. Abstr.) (Rus)

[Effect of heat stress on the work capacity of operators] Romanov VV. **Gig Tr Prof Zabol** 1984 Nov;(11):16–9 (Eng. Abstr.) (Rus)

[Objective evaluation of neurocirculatory asthenia and psychoemotional disorders in patients with vibration disease] Vasil'eva TF. **Gig Tr Prof Zabol** 1984 Oct;(10):42–3 (Rus)

[Unsettled questions in understanding causality in occupational pathology] Vermel' AE. **Gig Tr Prof Zabol** 1985 Mar;(3):35–8 (Eng. Abstr.) (Rus)

[Etiology of allergic urticaria] Sidorenko EN, et al. **Klin Med (Mosk)** 1984 Dec;62(12):54–8 (Eng. Abstr.) (Rus)

[Osteoarthrosis deformans caused by fluorides and muscular overstrain in industrial workers] Zislin DM, et al. **Revmatologiia (Moskva)** 1984 Jul-Sep;(3):32–5 (Eng. Abstr.) (Rus)

[Current occupational pathology in medical personnel] Ashbel' SI. **Sov Med** 1984;(7):66–9 (Rus)

[Effect of industrial noise on the prevalence of arterial hypertension] Kochanova EM, et al. **Ter Arkh** 1985; 57(4):125–8 (Eng. Abstr.) (Rus)

[Lens disorders in workers in electrolytic shops] Dobromyslov AN, et al. **Vestn Oftalmol** 1985 May-Jun; 101(3):58–9 (Eng. Abstr.) (Rus)

[Injuries due to laser rays in workers in the graphics industry] Kocijančič M. **Arh Hig Rada Toksikol** 1984 Jun;35(2):181–5 (Eng. Abstr.) (Scr)

[Generalized form of acquired toxoplasmosis] Knežević K, et al. **Med Pregl** 1984;37(7–8):317–8 (Eng. Abstr.) (Scr)

[Back pain in air force pilots] Branković M, et al. **Vojnosanit Pregl** 1984 Jul-Aug;41(4):240–3 (Scr)

[Ultraviolet rays and occupational exposure] Hrnjak M. **Vojnosanit Pregl** 1985 May-Jun;42(3):217–22 (Scr)

[Occupational diseases of the lung] Ramírez Rivera J. **Bol Asoc Med PR** 1984 Sep;76(9):388–93 (Eng. Abstr.) (Spa)

[Socioeconomic repercussions of ocular injuries due to foreign bodies] Fernández Aguilar JC. **Salud Publica Mex** 1985 Jan-Feb;27(1):66–70 (Eng. Abstr.) (Spa)

[A case of Streptococcus suis meningitis--a new occupational disease in Sweden?] Christensen P, et al. **Lakartidningen** 1985 Jan 16;82(3):119 (Swe)

[Case control study in northern Sweden. High risk of lung cancer among older smoking professional drivers] Damber L, et al. **Lakartidningen** 1984 Dec 5;81(49):4629–31 (Eng. Abstr.) (Swe)

[Occupational vibration injuries--a survey and management] Ekenvall L, et al. **Lakartidningen** 1984 Sep 12;81(37):3224–7 (Swe)

[Are infrared rays a cause of white fingers?] Eklund LT. **Lakartidningen** 1984 Sep 12;81(37):3229 (Swe)

[The health insurance study: No increased risk for fetal abnormalities in women working with video display terminals] Ericson A, et al. **Lakartidningen** 1985 Jun 5; 82(23):2180–4 (Swe)

[Health risks of exposure to fungal infections in construction workers] Holmberg K. **Lakartidningen** 1984 Sep 19; 81(38):3327–33 (Swe)

FAMILIAL & GENETIC

Ethylene oxide and some factors affecting the mutagen sensitivity of sister chromatid exchange in humans. Garry VF, et al. **Basic Life Sci** 1984;29 Pt B:975–85

Occupational lead exposure: studies in two brothers showing differential susceptibility to lead. Haust HL, et al. **Clin Biochem** 1985 Apr;18(2):102–8

A decade of genetic struggle. Mazzocchi T. **Int J Health Serv** 1984;14(3):447–51

Tabulation and assessment of 113 human surveillance cytogenetic studies conducted between 1965 and 1984. Ashby J, et al. **Mutat Res** 1985 Sep;154(2):111–33

HISTORY

1984 Yant Memorial Lecture. A history of industrial hygiene. Luxon SG **Am Ind Hyg Assoc J** 1984 Nov;45(11):731–9

C.S. Campbell: Gamekeeper's thumb. Sternbach G. **J Emerg Med** 1984;1(4):345–7

Lead poisoning [letter] Prychodko AW. **South Med J** 1985 Sep;78(9):1143

[Our surgical heritage: the tragic destiny of surgeons. A professional tragedy 1914: Emil Dagobert Schumacher] Schober KL. **Zentralbl Chir** 1984;109(23):1522–32 (Eng. Abstr.) (Ger)

[Contribution of Prof. Leon Cholewa to epidemiological research in Cracow] Jedrychowski W. **Przegl Lek** 1984; 41(7):475–6 (Pol)

[Control of occupational poisonings and diseases in the USSR during World War II] Arkhipov AS. **Gig Tr Prof Zabol** 1985 Apr;(4):1–4 (Rus)

[Research institutes in industrial hygiene and occupational diseases in the USSR in the 20's and 30's (on the 60th anniversary of the organization of the first institute)] Idel'chik KhI. **Gig Tr Prof Zabol** 1984 Sep;(9):30–2 (Rus)

IMMUNOLOGY

Allergy to storage mites or cow dander as a cause of rhinitis among Finnish dairy farmers. Terho EO, et al. **Allergy** 1985 Jan;40(1):23–6

A multivariate analysis of risk factors for hepatitis B virus infection among hospital employees screened for vaccination. Snydman DR, et al. **Am J Epidemiol** 1984 Nov; 120(5):684–93

Epidemiologic and immunologic studies in processors of the king crab. Orford RR, et al. **Am J Ind Med** 1985;7(2):155–69

Leptospiral exposure in Detroit rodent control workers. Demers RY, et al. **Am J Public Health** 1985 Sep; 75(9):1090–1

Inhalant allergy to wild animals (deer and elk). Gillespie DN, et al. **Ann Allergy** 1985 Aug;55(2):122–5

Antibodies to hepatitis B surface antigen as the sole hepatitis B marker in hospital personnel. Kessler HA, et al. **Ann Intern Med** 1985 Jul;103(1):21–6

Immediate skin reactivity and its relationship to age, sex, smoking, and occupational exposure. Chan-Yeung M, et al. **Arch Environ Health** 1985 Jan-Feb;40(1):53–7

Clinical and immunological reactions to Aspergillus niger among workers at a biotechnology plant. Topping MD, et al. **Br J Ind Med** 1985 May;42(5):312–8

Serological investigations on tularemia in the Koszalin province in 1979–1981. Dąbrowski J, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(1–2):95–100

Extrinsic allergic alveolitis due to rat serum proteins. Carroll KB, et al. **Clin Allergy** 1975 Dec;5(4):443–56

Clinical and immunological studies of beekeepers. Light WC, et al. **Clin Allergy** 1975 Dec;5(4):389–95

Specific IgE antibodies in twenty-eight workers with diisocyanate-induced bronchial asthma. Pezzini A, et al. **Clin Allergy** 1984 Sep;14(5):453–61

Immunological abnormalities in shrinking pleuritis with atelectasis. Dernevik L, et al. **Eur J Respir Dis** 1985 Feb; 66(2):128–34

Heterogeneity of specific-IgE responses in workers sensitized to acid anhydride compounds. Bernstein DI, et al. **J Allergy Clin Immunol** 1984 Dec;74(6):794–801

Detection of IgE-mediated respiratory sensitization in workers exposed to hexahydrophthalic anhydride. Moller DR, et al. **J Allergy Clin Immunol** 1985 Jun;75(6):663–72

Immunoglobulin E antibodies against coriander and other spices. van Toorenenbergen AW, et al. **J Allergy Clin Immunol** 1985 Sep;76(3):477–81

A comparison of the binding of IgE in the sera of patients with bakers' asthma to soluble and insoluble wheat-grain proteins. Walsh BJ, et al. **J Allergy Clin Immunol** 1985 Jul;76(1):23–8

Hepatitis B surface antigen (HbsAg): (a survey of hospital staff in Zambia). Bhagwat GP, et al. **Med J Zambia** 1983 Oct;17(4):106–8

[Occupational apple and pear pollinosis among apple- and pear-growing farmers and cross-allergenicity between Japanese apple pollen and Japanese pear pollen] Hori T, et al. **Arerugi** 1985 Jun;34(6):351–8 (Eng. Abstr.) (Jpn)

[Humoral immunity in hepatitis A and B among workers in an infectious disease hospital] Juszczyk J, et al. **Pol Tyg Lek** 1985 Jan 21;40(3):61–4 (Eng. Abstr.) (Pol)

[The triple rosette formation reaction--a new method for assessing the mechanisms of cellular immunity during exposure to factors in the industrial environment] Khil'ko TF. **Gig Tr Prof Zabol** 1984 Sep;(9):20–3 (Eng. Abstr.) (Rus)

[Immunologic characteristics of cataracts in persons having occupational contacts with sources of ionizing radiation] Shubik VM, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):48–50 (Rus)

[Relation of occupational diseases of the upper respiratory tract to changes in local immunity indices] Pankova VB, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):67–70 (Eng. Abstr.) (Rus)

METABOLISM

Elimination kinetics of blood lead in workers with chronic lead intoxication. Hryhorczuk DO, et al. **Am J Ind Med** 1985;8(1):33–42

Lung asbestos content in chrysotile workers with mesothelioma. Churg A, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1042–5

Quantitative x ray microanalysis of pulmonary mineral particles in a patient with pneumoconiosis and two primary lung tumours. Anttila S, et al. **Br J Ind Med** 1984 Nov; 41(4):468–73

A long-term survey of environmental, blood and urine mercury levels and clinical findings in workers manufacturing mercury relays. Gonzalez-Fernandez E, et al. **Ind Health** 1984;22(2):97–106

Cadmium inhalation exposure estimates: their significance with respect to kidney and liver cadmium burden. Ellis KJ, et al. **J Toxicol Environ Health** 1985;15(1):173–87

MICROBIOLOGY

Serologic survey of rotavirus, Norwalk agent and Prototheca wickerhamii in wastewater workers. Clark CS, et al. **Am J Public Health** 1985 Jan;75(1):83-5

MORTALITY

Cancer mortality and solvent exposures in the rubber industry. Wilcosky TC, et al. **Am Ind Hyg Assoc J** 1984 Dec;45(12):809-11

Mortality among white and nonwhite farmers in North Carolina, 1976-1978. Delzell E, et al. **Am J Epidemiol** 1985 Mar;121(3):391-402

An investigation of bias in a study of nuclear shipyard workers. Greenberg ER, et al. **Am J Epidemiol** 1985 Feb;121(2):301-8

Improving occupational standardized proportionate mortality ratio analysis by social class stratification. Milham S Jr. **Am J Epidemiol** 1985 Mar;121(3):472-5

Mortality among employees engaged in chemical manufacturing and related activities. Ott MG, et al. **Am J Epidemiol** 1985 Aug;122(2):311-22

Mortality of lead smelter workers. Selevan SG, et al. **Am J Epidemiol** 1985 Oct;122(4):673-83

Mortality studies of dockyard workers (longshoremen) in Italy. Bonassi S, et al. **Am J Ind Med** 1985;7(3):219-27

Mortality among a sample of chemical company employees. Bond GG, et al. **Am J Ind Med** 1985;7(2):109-21

A case-control study of renal cancer mortality at a Texas chemical plant. Bond GG, et al. **Am J Ind Med** 1985;7(2):123-39

Mortality among rubber workers: X. Reclaim workers. Delzell E, et al. **Am J Ind Med** 1985;7(4):307-13

Mortality among rubber workers: VII. Aerospace workers. Delzell E, et al. **Am J Ind Med** 1984;6(4):265-71

Mortality among rubber workers: VIII. Industrial products workers. Delzell E, et al. **Am J Ind Med** 1984;6(4):273-9

A proportional mortality study of the acting profession. Depue RH, et al. **Am J Ind Med** 1985;8(1):57-66

Proportionate mortality study of workers in the garment industry exposed to formaldehyde. Stayner L, et al. **Am J Ind Med** 1985;7(3):229-40

Proportionate mortality study of workers in the garment industry exposed to formaldehyde [letter] Stayner L, et al. **Am J Ind Med** 1985;8(1):75-6

Asbestos disease in sheet metal workers: the results of a proportional mortality analysis. Zoloth S, et al. **Am J Ind Med** 1985;7(4):315-21

Strategies for pooling data in occupational epidemiological studies. Goldsmith JR, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):297-307

Congenital malformations, mortality and styrene exposure. Härkönen H, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):404-7

Mortality from cardio-cerebrovascular diseases among dynamite workers--an extended case-referent study. Hogstedt C, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):399-403

Lung cancer among underground workers in the iron ore mine of Kiruna based on thirty years of observation. Jorgensen HS. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):371-7

Fibre exposure and mortality from pneumoconiosis, respiratory and abdominal malignancies in chrysotile production in Quebec, 1926-75. Liddell FD, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):340-4

A quantitative evaluation of competing risks in occupational studies. Tsai SP, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):321-6

The mortality odds ratio (MOR) in occupational mortality studies--selection of reference occupation(s) and reference cause(s) of death. Wang JD, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):312-6

A retrospective cohort mortality study of a phosphate fertilizer production facility. Stayner LT, et al. **Arch Environ Health** 1985 May-Jun;40(3):133-8

Bladder cancer mortality of workers exposed to aromatic amines: analysis of models of carcinogenesis. Decarli A, et al. **Br J Cancer** 1985 May;51(5):707-12

Mortality of workers in a French asbestos cement factory 1940-82. Alies-Patin AM, et al. **Br J Ind Med** 1985 Apr;42(4):219-25

Combined effect of asbestos and smoking on mortality from lung cancer and mesothelioma in factory workers. Berry G, et al. **Br J Ind Med** 1985 Jan;42(1):12-8

Radiation, work experience, and cause specific mortality among workers at an energy research laboratory. Checkoway H, et al. **Br J Ind Med** 1985 Aug;42(8):525-33

A note on 'Job related mortality risks of Hanford workers and their relation to cancer effects of measured doses of external radiation'. Gilbert ES, et al. **Br J Ind Med** 1985 Feb;42(2):137-9

Mortality and cancer incidence in the perfumery and flavour industry of Geneva. Guberan E, et al. **Br J Ind Med** 1985 Apr;42(4):240-5

Relations between asbestos exposure and lung cancer SMRs in occupational cohort studies. Liddell FD, et al. **Br J Ind Med** 1985 Jun;42(6):389-96

Mortality of welders and other craftsmen at a shipyard in NE England. Newhouse ML, et al. **Br J Ind Med** 1985 Jun;42(6):406-10

Mortality of factory workers in east London 1933-80. Newhouse ML, et al. **Br J Ind Med** 1985 Jan;42(1):4-11

Effects of intervention on the cardiovascular mortality of workers exposed to carbon disulphide: a 15 year follow up. Nurminen M, et al. **Br J Ind Med** 1985 Jan;42(1):32-5

Mortality experience of electrical engineers. Olin R, et al. **Br J Ind Med** 1985 Mar;42(3):211-2

Mortality of tanners. Pippard EC, et al. **Br J Ind Med** 1985 Apr;42(4):285-7

Mortality and incidence of cancer of workers in the man made vitreous fibres producing industry: an international investigation at 13 European plants. Saracci R, et al. **Br J Ind Med** 1984 Nov;41(4):425-36

Job related mortality risks of Hanford workers and their relation to cancer effects of measured doses of external radiation [letter] Stewart AM, et al. **Br J Ind Med** 1985 Aug;42(8):568-9

Mortality of workers in an automobile engine and parts manufacturing complex. Vena JE, et al. **Br J Ind Med** 1985 Feb;42(2):85-93

Mortality pattern in a glass producing area in SE Sweden. Wingren G, et al. **Br J Ind Med** 1985 Jun;42(6):411-4

Comparison of SMR, PMR, and PCMR in a cohort of union members potentially exposed to diesel exhaust emissions. Wong O, et al. **Br J Ind Med** 1985 Jul;42(7):449-60

Mortality among members of a heavy construction equipment operators union with potential exposure to diesel exhaust emissions. Wong O, et al. **Br J Ind Med** 1985 Jul;42(7):435-48

Mortality of employees of the United Kingdom Atomic Energy Authority, 1946-1979. Beral V, et al. **Br Med J [Clin Res]** 1985 Aug 17;291(6493):440-7

Mortality of employees of the United Kingdom Atomic Energy Authority, 1946-79 [letter] Darby SC, et al. **Br Med J [Clin Res]** 1985 Sep 7;291(6496):672

Collection and validation of data in the United Kingdom Atomic Energy Authority mortality study. Fraser P, et al. **Br Med J [Clin Res]** 1985 Aug 17;291(6493):435-9

Occupational mortality among women in England and Wales. Roman E, et al. **Br Med J [Clin Res]** 1985 Jul 20;291(6489):194-6

Mortality patterns among nickel/chromium alloy foundry workers. Cornell RG, et al. **IARC Sci Publ** 1984;(53):87-93

Mortality patterns among stainless-steel workers. Cornell RG. **IARC Sci Publ** 1984;(53):65-71

A retrospective cohort mortality study among workers occupationally exposed to metallic nickel powder at the Oak Ridge Gaseous Diffusion Plant. Cragle DL, et al. **IARC Sci Publ** 1984;(53):57-63

Respiratory cancer mortality of Welsh nickel refinery workers. Peto J, et al. **IARC Sci Publ** 1984;(53):37-46

Site-specific cancer mortality among workers involved in the production of high nickel alloys. Redmond CK. **IARC Sci Publ** 1984;(53):73-86

Cancer mortality associated with the high-temperature oxidation of nickel subsulfide. Roberts RS, et al. **IARC Sci Publ** 1984;(53):23-35

A mortality study of Falconbridge workers. Shannon HS, et al. **IARC Sci Publ** 1984;(53):117-24

Mortality in lung and gastrointestinal cancer among shipyard workers. Sandén A, et al. **Int Arch Occup Environ Health** 1985;55(4):277-83

The impact of competing risks on relative risks in occupational cohort studies. Tsai SP, et al. **Int J Epidemiol** 1984 Dec;13(4):518-25

Texaco mortality study. I. Mortality among refinery, petrochemical, and research workers. Divine BJ, et al. **J Occup Med** 1985 Jun;27(6):445-7

An alternative approach to analyzing occupational mortality data. Gilbert ES, et al. **J Occup Med** 1984 Nov;26(11):822-8

Misconception concerning the ubiquitous p value [letter] Gordon I. **J Occup Med** 1985 Jun;27(6):403

A retrospective mortality study of workers in three major U.S. refineries and chemical plants. Part 1: Comparisons with U.S. population. Hanis NM, et al. **J Occup Med** 1985 Apr;27(4):283-92

Fitting relationships between exposure and standardized mortality ratios. Hanley J, et al. **J Occup Med** 1985 Aug;27(8):555-60

A retrospective cohort mortality study of iron ore (hematite) miners in Minnesota. Lawler AB, et al. **J Occup Med** 1985 Jul;27(7):507-17

The mortality of Ontario undertakers and a review of formaldehyde-related mortality studies. Levine RJ, et al. **J Occup Med** 1984 Oct;26(10):740-6

Mortality among pulp and paper workers. Milham S Jr, et al. **J Occup Med** 1984 Nov;26(11):844-6

Erroneous comparisons in oil refinery workers' mortality studies? [letter] Moure-Eraso R, et al. **J Occup Med** 1985 Jul;27(7):464-5, 468

Use of company stock ownership records to locate subjects lost to follow-up. Nelson NA. **J Occup Med** 1984 Oct;26(10):737-9

Brain tumors at a nuclear facility. Reyes M, et al. **J Occup Med** 1984 Oct;26(10):721-4

Radium luminizers--selection effects [letter] Sorahan T. **J Occup Med** 1985 Jan;27(1):7

Brain tumors at a nuclear facility [letter] Stewart A. **J Occup Med** 1985 Jun;27(6):399, 403

Reproductive variables as possible confounders in occupational studies of breast and ovarian cancer in females. Threlfall WJ, et al. **J Occup Med** 1985 Jun;27(6):448-50

Mortality data of ambulancemen. Grainger CR. **J R Soc Health** 1985 Feb;105(1):28-30

Truck driving and bladder cancer mortality in rural New England. Hoar SK, et al. **JNCI** 1985 Apr;74(4):771-4

Mortality among a cohort of U.S. cadmium production workers--an update. Thun MJ, et al. **JNCI** 1985 Feb;74(2):325-33

Mortality from multiple myeloma among North Carolina furniture workers. Tollerud DJ, et al. **JNCI** 1985 Apr;74(4):799-801

Long-term mortality study of oil refinery workers. IV. Exposure to the lubricating-dewaxing process. Wen CP, et al. **JNCI** 1985 Jan;74(1):11-8

Effect of a second factor on a linear dose-response relationship. Gardner MJ. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:183-8

Epidemiology of asbestos-related lung cancer in Japan. Hosoda Y, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:83-7

Epidemiological studies of health effects in commercial pilots and flight attendants: a review. Kraus JF. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:32-44

A mortality study of vinyl chloride workers in Japan. Nakamura K. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:49-57

Mortality from cancer and other causes among workers at a metal refinery. Tokudome S, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:101-8

Nasal cancer mortality in areas with a high proportion of wood and furniture workers in Japan. Yoshimura T, et al. **Sangyo Ika Daigaku Zasshi** 1983 Dec 1;5(4):433-9

Mortality of English furniture makers. Acheson ED, et al. **Scand J Work Environ Health** 1984 Aug;10(4):211-7

Cancer mortality among workers in a thermoelectric power plant. Cammarano G, et al. **Scand J Work Environ Health** 1984 Aug;10(4):259-61

Occupational mortality. Harrington JM. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):347-52

Effect of cohort definition and follow-up length on occupational mortality rates. Koskela RS, et al. **Scand J Work Environ Health** 1984 Oct;10(5):311-6

Mortality among asbestos-exposed workers in a railroad workshop. Ohlson CG, et al. **Scand J Work Environ Health** 1984 Oct;10(5):283-91

Socioeconomic and occupational mortality differentials in Europe. Lynge E. **Soz Praventivmed** 1984;29(6):265-7

A comparison of two methods for calculating expected mortality [letter] **Stat Med** 1985 Jan-Mar;4(1):105-9

[Practice of reporting of occupational diseases and accidents in issuing death certificates. Results of a questionnaire study] Mosbech H. **Ugeskr Laeger** 1985 Mar 4;147(10):901-3 (Eng. Abstr.) **(Dan)**

[Mortality from tumors in a factory producing glass fibers] Bertazzi PA, et al. **Med Lav** 1984 Sep-Oct;75(5):339-58 (Eng. Abstr.) **(Ita)**

[Analysis of mortality patterns in an area supplying tunnel workers away from home. Part 2. Mortality patterns among tunnel workers] Hisashige A, et al. **Sangyo Igaku** 1984 Jan;26(1):45-52 (Eng. Abstr.) **(Jpn)**

[High mortality caused by urothelial cancer and occupational exposure. A study of proportional mortality] Villalbi JR, et al. **Actas Urol Esp** 1984 Jul-Aug;8(4):297-300 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Prevalence of viral hepatitis in the staff in Norwegian anaesthesiology units. Siebke JC, et al. **Acta Anaesthesiol Scand** 1984 Oct;28(5):549-53

Evaluating cancer clusters. Enterline PE. **Am Ind Hyg Assoc J** 1985 Mar;46(3):B10-3

Acute infections with hepatitis B virus in medical personnel during a 15-year follow-up. Christenson B. **Am J Epidemiol** 1985 Sep;122(3):411-7

Antibody to hepatitis B surface antigen among employees in the National Hospital, Oslo, Norway: a prevalence study. Hovig B, et al. **Am J Epidemiol** 1985 Jul;122(1):127-34

Occupational noise exposure, noise-induced hearing loss, and the epidemiology of high blood pressure. Talbott E, et al. **Am J Epidemiol** 1985 Apr;121(4):501-14

Colorectal polyps in pattern makers [letter] Demers RY, et al. **Am J Gastroenterol** 1984 Oct;79(10):805

Pancreas cancer is unrelated to the workplace in Los Angeles. Mack TM, et al. **Am J Ind Med** 1985;7(3):253-66

Prevalence survey for hepatitis B in high-risk university hospital employees. Hicks CG, et al. **Am J Infect Control** 1985 Feb;13(1):1-6

Economic development and occupational health in Latin America: new directions for public health in less developed countries. Michaels D, et al. **Am J Public Health** 1985 May;75(5):536-42

Job stress in pharmacy practice: implications for managers. Wolfgang AP, et al. **Am Pharm** 1985 Jul;NS25(7):46-9

Symptoms, pulmonary function, and bronchial hyperreactivity in western red cedar workers compared with those in office workers. Chan-Yeung M, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1038-41

A multicenter study of the epidemiology of hepatitis B in anesthesia residents. Berry AJ, et al. **Anesth Analg** 1985 Jul;64(7):672-6

Health experiences of operating room personnel. Buring JE, et al. **Anesthesiology** 1985 Mar;62(3):325-30

The health of operating room personnel. Mazze RI, et al. **Anesthesiology** 1985 Mar;62(3):226-8

Use of questionnaires in occupational studies of pregnancy outcome. Axelsson G, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):327-30

Epidemiological discovery of occupational cancers. Doll R. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):331-9

Statistical problems associated with cohort studies of workers in an industry. Nair RC. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):317-20

Reproduction and exposure to lead. Sarić M. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):383-8

Contributions and limitations of epidemiological knowledge in occupational health. Tsuchiya K. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):285-96

Occupational respiratory disease in veterinarians. Lutsky I, et al. **Ann Allergy** 1985 Aug;55(2):153-6

Hepatitis B prevalence in emergency physicians. Iserson KV, et al. **Ann Emerg Med** 1985 Feb;14(2):119-22

Health aspects of biotechnology. Duffus JH, et al. **Ann Occup Hyg** 1985;29(1):1-12 (56 ref.)

The role of anthropometric measures on the musculoskeletal system of workers performing heavy physical work. Undeutsch K. **Ann Physiol Anthropol** 1984 Jul;3(3):211-6

Microbial incidence in upper respiratory tracts of workers in the paper industry. Niemelä SI, et al. **Appl Environ Microbiol** 1985 Jul;50(1):163-8

Warts among meat handlers. Finkel ML, et al. **Arch Dermatol** 1984 Oct;120(10):1314-7

A 1949 outbreak of Pontiac fever-like illness in steam condenser cleaners. Armstrong CW, et al. **Arch Environ Health** 1985 Jan-Feb;40(1):26-9

Respiratory health at a pulpmill in British Columbia. Enarson DA, et al. **Arch Environ Health** 1984 Sep-Oct;39(5):325-30

Effects of low-level lead and arsenic exposure on copper smelter workers. Lilis R, et al. **Arch Environ Health** 1985 Jan-Feb;40(1):38-47

Effects of smoking on pulmonary function and symptomatology in occupationally exposed groups. McClimans CD, et al. **Arch Environ Health** 1984 Sep-Oct; 39(5):331-8

Morbidity survey of U.S. oil shale workers employed during 1948-1969. Rom WN, et al. **Arch Environ Health** 1985 Jan-Feb;40(1):58-62

Workplace injury experience of female coal miners in the United States. Watson AP, et al. **Arch Environ Health** 1984 Jul-Aug;39(4):284-93

Occupational repetitive strain injuries. Stone WE. **Aust Fam Physician** 1984 Sep;13(9):681-4

Sick leave certification in general practice. Weingarten MA, et al. **Aust Fam Physician** 1984 Sep;13(9):702-3, 710-11

A follow-up study of cancer incidence among workers in manufacture of phenoxy herbicides in Denmark. Lynge E. **Br J Cancer** 1985 Aug;52(2):259-70

Nasal cancer in the textile and clothing industries. Brinton LA, et al. **Br J Ind Med** 1985 Jul;42(7):469-74

Respiratory cancers in furniture workers. Gerhardsson MR, et al. **Br J Ind Med** 1985 Jun;42(6):403-5

Minor psychiatric morbidity in employed young men and women and its contribution to sickness absence. Jenkins R. **Br J Ind Med** 1985 Mar;42(3):147-54

Cancer incidence and cancer mortality in a cohort of semiconductor workers. Sorahan T, et al. **Br J Ind Med** 1985 Aug;42(8):546-50

Cancer morbidity among workers in the telecommunications industry. Vågerö D, et al. **Br J Ind Med** 1985 Mar; 42(3):191-5

Occupational asthma in a steel coating plant. Venables KM, et al. **Br J Ind Med** 1985 Aug;42(8):517-24

Scrotal cancer in the West Midlands 1936-76. Waldron HA, et al. **Br J Ind Med** 1984 Nov;41(4):437-44

The sick building syndrome: prevalence studies. Finnegan MJ, et al. **Br Med J [Clin Res]** 1984 Dec 8;289(6458):1573-5

Further update on leptospirosis: continuing risk in fish farmers [letter] Gill N, et al. **Br Med J [Clin Res]** 1985 Jun 29;290(6486):1988

Tuberculosis in female nurses in British Columbia: implications for control programs. Burrill D, et al. **Can Med Assoc J** 1985 Jan 15;132(2):137-40

Risk of large-bowel cancer in synthetic fiber manufacture. Vobecky J, et al. **Cancer** 1984 Dec 1;54(11):2537-42

Cancer occurrence in shipyard workers exposed to asbestos in Hawaii. Kolonel LN, et al. **Cancer Res** 1985 Aug; 45(8):3924-8

Assessment of airway excitability in epidemiologic surveys [editorial] Malo JL. **Chest** 1985 Apr;87(4):413-4

Skeletal changes in dentists and farmers in Finland. Katevuo K, et al. **Community Dent Oral Epidemiol** 1985 Feb; 13(1):23-5

Skin and respiratory tract symptoms in veterinary surgeons. Falk ES, et al. **Contact Dermatitis** 1985 May;12(5):274-8

Statistics on diseases in the Federal Republic of Germany with particular reference to diseases of the skeletal system. Hettinger T. **Ergonomics** 1985 Jan;28(1):17-20

Risks of individual occupations in the Netherlands. Zuidema H. **Ergonomics** 1985 Jan;28(1):43-9

Cancer incidence at a hydrometallurgical nickel refinery. Egedahl R, et al. **IARC Sci Publ** 1984;(53):47-55

Health hazards in pesticide formulators exposed to a combination of pesticides. Gupta SK, et al. **Indian J Med Res** 1984 May;79:666-72

Occupational risk of hepatitis B infection in hospital workers. Hadler SC, et al. **Infect Control** 1985 Jan;6(1):24-31

Spontaneous abortions among female industrial workers. Figá-Talamanca I. **Int Arch Occup Environ Health** 1984; 54(2):163-71

Epidemiological studies of vibration disease due to brush saw operation. Futatsuka M. **Int Arch Occup Environ Health** 1984;54(3):251-60

Occupation and bladder cancer in males: a case-control study. Vineis P, et al. **Int J Cancer** 1985 May 15; 35(5):599-606

Biases in research on reproduction and women's work. Joffe M. **Int J Epidemiol** 1985 Mar;14(1):118-23

The epidemiology of varicella in staff and students of a hospital in the tropics. Venkitaraman AR, et al. **Int J Epidemiol** 1984 Dec;13(4):502-5

Urinary mercury levels in US dentists, 1975-1983: review of Health Assessment Program. Naleway C, et al. **J Am Dent Assoc** 1985 Jul;111(1):37-42

The contribution of epidemiology to the study of occupational cancer. Jensen OM, et al. **J Cancer Res Clin Oncol** 1984;108(3):257-63

Infections in British clinical laboratories, 1982-3. Grist NR, et al. **J Clin Pathol** 1985 Jul;38(7):721-5

Peptic ulcer in male factory workers: a survey of prevalence, incidence, and aetiological factors. Araki S, et al. **J Epidemiol Community Health** 1985 Mar;39(1):82-5

Professional stress among family physicians. May HJ, et al. **J Fam Pract** 1985 Feb;20(2):165-71

Markers of hepatitis B in nurses and domestic staff in an area of high endemicity. Windsor IM, et al. **J Hosp Infect** 1984 Dec;5 Suppl A:81-8

The risk of leptospirosis in United Kingdom fish farm workers. Results from a 1981 serological survey. Gill ON, et al. **J Hyg (Lond)** 1985 Feb;94(1):81-6

A profile of skin sepsis in meat handlers. Barnham M, et al. **J Infect** 1984 Jul;9(1):43-50

Major causes of sickness absence in a steel industry in Nigeria [letter] Asogwa SE. **J Occup Med** 1985 Mar;27(3):176-7

Essential aspects of a medical screening program [letter] Demers RY, et al. **J Occup Med** 1985 Jan;27(1):6-7

Vibration exposure and vibration-induced white finger due to chain saw operation. Futatsuka M, et al. **J Occup Med** 1985 Apr;27(4):257-64

Occupational low-back pain in hospital nurses. Harber P, et al. **J Occup Med** 1985 Jul;27(7):518-24

Occupational exposure to electromagnetic fields and the occurrence of brain tumors. An analysis of possible associations. Lin RS, et al. **J Occup Med** 1985 Jun; 27(6):413-9

Risk assessment of a cohort exposed to aromatic amines. Initial results. Schulte PA, et al. **J Occup Med** 1985 Feb; 27(2):115-21 (19 ref.)

A case-control study of lung cancer in painters. Stockwell HG, et al. **J Occup Med** 1985 Feb;27(2):125-6

Population-based occupational cancer incidence surveillance. Utilization of the telephone interview. Swanson GM, et al. **J Occup Med** 1985 Jun;27(6):439-44

Colon cancer incidence among modelmakers and patternmakers in the automobile manufacturing industry. A continuing dilemma. Swanson GM, et al. **J Occup Med** 1985 Aug;27(8):567-9

Cardiovascular risk factors in employees of a petrochemical company. Van Peenen PF, et al. **J Occup Med** 1985 Mar; 27(3):217-9

An epidemiologic study of lifting and twisting on the job and risk for acute prolapsed lumbar intervertebral disc. Kelsey JL, et al. **J Orthop Res** 1984;2(1):61-6

The health of British trawlermen on the Arctic fishing grounds. Cross T. **J Soc Occup Med** 1985 May;35(2):55-61

Hepatitis B infection in other hospital personnel [letter] Alexander WJ, et al. **JAMA** 1984 Nov 2;252(17):2391-2

The low risk of hepatitis B in rural hospitals. Results of a seroepidemiologic survey. Harris JR, et al. **JAMA** 1984 Dec 21;252(23):3270-2

The low risk of hepatitis B in rural hospitals [letter] Lange WR, et al. **JAMA** 1985 Aug 9;254(6):752-3

Multiple primary cancers, with special reference to occupational exposure. Okubo T, et al. **Jpn J Clin Oncol** 1985 Apr;15 Suppl 1:243-53

Leukaemia in electrical workers in New Zealand [letter] Pearce NE, et al. **Lancet** 1985 Apr 6;1(8432):811-2

Clostridium perfringens food poisoning on North Sea oil installations [letter] Reid TM, et al. **Lancet** 1985 Feb 2; 1(8423):272

'Health Watch': the Australian petroleum industry health study surveillance programme. Christie D, et al. **Med J Aust** 1984 Sep 15;141(6):331-4

Epidemiology in occupational health. Christie D, et al. **Med J Aust** 1985 Jan 21;142(2):135-7

Iron ore mining: assessing morbidity. Field GB. **Med J Aust** 1985 Jul 22;143(2):68-9

Envenomation by the inland taipan, Oxyuranus microlepidotus. Mirtschin PJ, et al. **Med J Aust** 1984 Dec 8-22;141(12-13):850-1

Adverse environmental factors, peptic ulcer and chronic gastritis in a metalworking industry. Magni G, et al. **Med Lav** 1984 May-Jun;75(3):215-20

Racial inequality and the probability of occupation-related injury or illness. Robinson JC. **Milbank Mem Fund Q** 1984 Fall;62(4):567-90

Leading work-related diseases and injuries--United States. **MMWR** 1985 Apr 26;34(16):219-22, 227

Crimean-Congo hemorrhagic fever--Republic of South Africa. **MMWR** 1985 Feb 22;34(7):94, 99-101

Update: prospective evaluation of health-care workers exposed via the parenteral or mucous-membrane route to blood or body fluids from patients with acquired immunodeficiency syndrome--United States. **MMWR** 1985 Feb 22;34(7):101-3

Uses of computer-generated maps in occupational hazard and mortality surveillance. Frazier TM, et al. **MMWR CDC Surveill Summ** 1984;33(2):27SS-32SS

Noise induced hearing loss [letter] Chew CK. **NZ Med J** 1984 Dec 26;97(770):904

Accident/illness statistics are not effective if they are confusing. Freeman SH. **Occup Health Saf** 1985 Aug; 54(8):51-3

Incidence of work-related low back pain in physical therapists. Molumphy M, et al. **Phys Ther** 1985 Apr; 65(4):482-6

Epidemiology of occupational nasal cancer and other occupational nasal problems caused by wood dust. Wilhelmsson B. **Rhinology** 1985 Jun;23(2):106-8

Lead toxicity in South Africa [editorial] Davies JC. **S Afr Med J** 1985 May 25;67(21):833-4

Malignant mesothelioma--clinical and epidemiological features. A report of 80 cases. Solomons K. **S Afr Med J** 1984 Sep 15;66(11):407-12

Organization of the Second UOEH International Symposium on Epidemiology in Occupational Medicine. October 24-25,1982, the University of Occupational and Environmental Health, Japan. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:1-265

Indications of an increase of occupational pleural mesothelioma in Japan. Baba K. **Sangyo Ika Daigaku Zasshi** 1983 Mar 1;5(1):3-15

Cancer registration and occupational epidemiology. Hernberg S, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:247-53

Problems in the epidemiological approach to occupational cancer. Lloyd JW. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:235-46 (14 ref.)

Occupational health in Japan--the future role of UOEH. McDonald JC. **Sangyo Ika Daigaku Zasshi** 1984 Jun 1; 6(2):209-19

Uses of population-based cancer registration in occupational epidemiology: experience in Osaka. Morinaga K, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:215-23

Problems in dose response interpretation in occupational epidemiology. Smith AH. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:189-95

The clinician and epidemiology for cancer research. Yoshida O. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:203-6

Usage of dispersion analysis in studying risk factors of morbidity for metallurgy industry workers, by cardiovascular system diseases. Pushin SG, et al. **Sante Publique (Bucur)** 1984;27(1):65-72

The incidence of peptic ulcer disease related to occupation in the northern part of Norway. A prospective epidemiological and radiological study. Ostensen H, et al. **Scand J Gastroenterol** 1985 Jan;20(1):79-82

Aggravation of lung disease. Abrams HK. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):487-93 (59 ref.)

Arthrosis and its relation to work. Anderson JA. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):429-33

The case-referent study--some comments on its structure, merits and limitations. Axelson O. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):207-13

Epidemiologic study of work-related diseases. Methodological problems of register-based studies. Harrington JM. **Scand J Work Environ Health** 1984 Dec; 10(6 Spec No):353-9

Work-related diseases--some problems in study design. Hernberg S. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):367-72

Physical activity and cardiovascular morbidity. Karvonen MJ. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):389-95 (43 ref.)

Different stages of disease, changes in heaviness of work and life cycle. Koskela RS, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):451-4

Completeness of occupational history and occurrences of work-related diseases. Koskela RS, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):455-9

Alcoholism and occupation. Olkinuora M. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):511-5

Complaints of insomnia in different occupations. Partinen M, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):467-9

Cancer incidence by living area, social class and occupation. Teppo L. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):361-6

Urinary cytology in workmen engaged in the petrochemical industry with reference to non-industrial risk factors. Adolphs HD, et al. **Urol Res** 1985;13(2):61-5

Occupation and urinary tract stone disease. Ferrie BG, et al. **Urology** 1984 Nov;24(5):443-5

Cancer incidence among employees of the Lawrence

Livermore National Laboratory, 1969-1980. Reynolds P, et al. **West J Med** 1985 Feb;142(2):214-8

[Occupational impact of type B viral hepatitis] Liu PL. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Oct; 5(5):305-8 (Eng. Abstr.) **(Chi)**

[Epidemiological survey of viral hepatitis among a hospital staff] Ma J. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Dec; 5(6):321-4 (Eng. Abstr.) **(Chi)**

[Mercury poisoning and the occupational health of mercury miners] Wu DL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jul;18(4):207-9 (Eng. Abstr.) **(Chi)**

[Incidence of meniscal lesions in persons working underground in comparison with the rest of the population] Mikeš K. **Acta Chir Orthop Traumatol Cech** 1985 Apr; 52(2):138-41 (Eng. Abstr.) **(Cze)**

[Epidemiology of arteriopathies of the upper extremities in a rural and industrial population of males in northern Bohemia] Bazika V, et al. **Cas Lek Cesk** 1985 Mar 8; 124(10):303-7 (Eng. Abstr.) **(Cze)**

[Risk of viral hepatitis infection in pediatric service employees] Farník J, et al. **Cesk Pediatr** 1984 Feb; 39(2):99-100 (Eng. Abstr.) **(Cze)**

[Low backache in fork-lift drivers] Brendstup T, et al. **Ugeskr Laeger** 1985 Apr 29;147(18):1501-6 (Eng. Abstr.) **(Dan)**

[The occupational environment and the health of slaughterhouse workers. III. Possibilities for preventing occupational injuries] Kristensen TS. **Ugeskr Laeger** 1985 Apr 29;147(18):1507-12 (Eng. Abstr.) **(Dan)**

[The occupational environment and health of slaughterhouse workers. IV. Stress, fatigue and psychosomatic symptoms] Kristensen TS. **Ugeskr Laeger** 1985 May 20; 147(21):1713-20 (Eng. Abstr.) **(Dan)**

[The health and occupational environment of slaughterhouse workers. I. Description of background, methods and population] Kristensen TS. **Ugeskr Laeger** 1984 Dec 10; 146(50):3947-51 (Eng. Abstr.) **(Dan)**

[The health and occupational environment of slaughterhouse workers. II. Occupational accidents] Kristensen TS. **Ugeskr Laeger** 1984 Dec 10;146(50):3952-7 (Eng. Abstr.) **(Dan)**

[Mass psychogenic illness at work places] Lings S. **Ugeskr Laeger** 1984 Dec 3;146(49):3865-9 (Eng. Abstr.) **(Dan)**

[Vibration-induced white fingers in the automobile industry. A questionnaire study] Vestbo J, et al. **Ugeskr Laeger** 1985 Apr 29;147(18):1513-5 (Eng. Abstr.) **(Dan)**

[Headache and mucosal discomfort in Denmark. Occurrence in relation to housing and occupational conditions] Wulf HC, et al. **Ugeskr Laeger** 1984 Oct 15;146(42):3223-7 (Eng. Abstr.) **(Dan)**

[Viral hepatitis B in health personnel] Saraux JL, et al. **Presse Med** 1985 Apr 27;14(17):971-5 (Eng. Abstr.) **(Fre)**

[Seroepidemiology of hepatitis B markers in dentists in Ille-et-Vilaine] Zourbas J, et al. **Presse Med** 1985 Apr 27; 14(17):959-62 (Eng. Abstr.) **(Fre)**

[The pathology of asbestos in Belgium] Vande Weyer R, et al. **Rev Med Brux** 1985 Apr;6(4):295-7 (Eng. Abstr.) **(Fre)**

[Risk of infection for the personnel of slaughterhouses and and meat-processing plants] Nicolet J. **Schweiz Arch Tierheilkd** 1985 Feb;127(2):141-53 **(Ger)**

[Statistics of obligatory accident insurance—a contribution to health statistics in Switzerland] Wüthrich P. **Soz Praventivmed** 1984;29(6):273-5 (Eng. Abstr.) **(Ger)**

[Epidemiology of chronic bronchitis from the viewpoint of occupational medicine] Selig R, et al. **Z Erkr Atmungsorgane** 1985;164(3):273-6 (Eng. Abstr.) **(Ger)**

[The risk of cadmium poisoning in brazing operations] Chiesura P, et al. **Med Lav** 1984 Jul-Aug;75(4):300-5 (Eng. Abstr.) **(Ita)**

[Epidemiologic evidence and possibility of prevention for various forms of occupational pathology in dentistry and emerging medico-legal aspects. II. Pathology of non-infectious origin] Melino C, et al. **Nuovi Ann Ig Microbiol** 1983 Jan-Feb;34(1):17-42 (103 ref.) (Eng. Abstr.) **(Ita)**

[High incidence of pterygium in welders] Karai I, et al. **Nippon Ganka Gakkai Zasshi** 1984 May;88(5):815-8 (Eng. Abstr.) **(Jpn)**

[Double cancer observed in occupational and environmental bladder cancer] Matsushima M, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Aug;75(8):1306-18 (Eng. Abstr.) **(Jpn)**

[An occupational health survey on beauticians in Japan (II)] Kumaki T, et al. **Nippon Ika Daigaku Zasshi** 1985 Jun; 52(3):352-6 **(Jpn)**

[Occupational cervicobrachial disorder (OCD) of nursery school teachers based on subjective symptoms related to OCD] Kurumatani N, et al. **Sangyo Igaku** 1984 Sep; 26(5):389-96 (Eng. Abstr.) **(Jpn)**

[Studies on health hazards among cooks providing school lunch service. Report 1. The influence of working conditions in central and school kitchens prevalence of health hazards] Oze Y. **Sangyo Igaku** 1984 Sep;26(5):414-24 (Eng. Abstr.) **(Jpn)**

[Health check by CMI (Cornell Medical Index) on radiation workers in a nuclear energy plant] Tsuchiya T, et al. **Sangyo Ika Daigaku Zasshi** 1985 Jun 1;7(2):213-20 (Eng. Abstr.) **(Jpn)**

[Occupational medicine problems in hospitals] Aarli JA. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2516-7 **(Nor)**

[Occupation and cancer epidemiology in Norway 1973-1983] Langård S. **Tidsskr Nor Laegeforen** 1985 Jun 30; 105(19-21):1287-91 (Eng. Abstr.) **(Nor)**

[Results of examination of the reproductive organs of female workers in the textile industry] Furmanek A. **Med Pr** 1984; 35(6):453-6 (Eng. Abstr.) **(Pol)**

[Prospective evaluation of occupational risk] Jankowski J. **Med Pr** 1984;35(6):435-42 (Eng. Abstr.) **(Pol)**

[Incidence of urinary tract diseases among workers in the Masovian Refining and Petrochemical Plants in Płock 1978-1981] Miekoś E, et al. **Med Pr** 1984;35(6):449-52 (Eng. Abstr.) **(Pol)**

[Chronic bronchitis in textile industry workers in Lódz] Starzyński Z, et al. **Med Pr** 1984;35(6):409-15 (Eng. Abstr.) **(Pol)**

[Ecology of fungi in the work area and the incidence of mycoses in Polish railroad workers] Banaszkiewicz H, et al. **Przegl Dermatol** 1984 Mar-Apr;71(2):135-40 (Eng. Abstr.) **(Pol)**

[Analysis of cases of dermatomycoses with reference to zoonotic mycoses in railway workers treated at the Research Center of the Railway Health Service 1978-1982] Banaszkiewicz H. **Przegl Dermatol** 1984 May-Jun; 71(3):259-63 (Eng. Abstr.) **(Pol)**

[Evaluation of the risk factors for arterial hypertension in the epidemiological and clinical surveillance of the work area. III. Prospective data on the prevalence of hypertension limits and hypertension disease] Ivan A, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Oct-Dec; 88(4):653-7 (Eng. Abstr.) **(Rum)**

[Health status of students at mining technology schools] Kharkovenko NM, et al. **Gig Sanit** 1984 Jul;(7):80-1 **(Rus)**

[Effect of a complex of industrial factors of low intensity and monotony on the bodies of students at a technical school] Kruglova II. **Gig Sanit** 1984 Jul;(7):25-8 (Eng. Abstr.) **(Rus)**

[Hygienic aspects of the growth of industrial complexes in the Kansk-Achinsk fuel and energy complex] Shitskova AP, et al. **Gig Sanit** 1984 Jul;(7):7-9 (Eng. Abstr.) **(Rus)**

[Retrospective oncological epidemiological research (the example of the wood-working industry)] Avdeeva IA, et al. **Gig Tr Prof Zabol** 1985 Apr;(4):33-6 **(Rus)**

[Bronchospastic syndrome in acute pneumonia among workers in a chromium plant] Baidillaeva SA, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):37-9 (Eng. Abstr.) **(Rus)**

[Determination of the effect of working conditions and the nature of the job on morbidity with temporary unfitness for work] Dogle NV, et al. **Gig Tr Prof Zabol** 1985 May; (5):19-23 (Eng. Abstr.) **(Rus)**

[Case of occupational paralysis of the facial muscles in a trumpet player] Gratsinskaia LN, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):57-8 **(Rus)**

[Occupational health and disease among the staff of resuscitation and intensive care units] Kaptsov VA, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):19-22 (Eng. Abstr.) **(Rus)**

[Relations between changes in lipid metabolism and the degree of exposure to neuro-emotional factors] Melkumian AN, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):23-6 (Eng. Abstr.) **(Rus)**

[Incidence of arterial hypertension in Donetsk coal miners] Savenkova NG, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):32-6 (Eng. Abstr.) **(Rus)**

[Principal occupational health problems in synthetic dye and aniline dye intermediate-product plants] Timchenko AN, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):34-6 (Eng. Abstr.) **(Rus)**

[Toxoplasmosis, an important zoonosis] Chatar G, et al. **Med Parazitol (Mosk)** 1985 Mar-Apr;(2):51-5 (Eng. Abstr.) **(Rus)**

[Interrelations between human and bovine tuberculosis] Kuzina LN, et al. **Probl Tuberk** 1984 Dec;(12):13-5 (Eng. Abstr.) **(Rus)**

[Morbidity rate among representatives of different professional groups in the postal service] Kuchma VR, et al. **Sov Zdravookhr** 1985;(4):39-41 **(Rus)**

[Detection of arterial hypertension in female workers employed in the ship repair industry] Libenzon RT, et al. **Sov Zdravookhr** 1985;(1):33-5 **(Rus)**

[Morbidity with temporary loss of work in the workers and employees of light industry enterprises] Tishchuk EA. **Sov Zdravookhr** 1985;(1):35-8 **(Rus)**

[Vitamin supply of miners employed in modern highly-mechanized coal mines] Pichkhadze GM. **Vopr Pitan** 1984 Sep-Oct;(5):33-6 (Eng. Abstr.) **(Rus)**

[Status of the nervous system in chronic bronchitis] Anatovskaia VS. **Vrach Delo** 1984 Dec;(12):88-91 (Eng. Abstr.) **(Rus)**

[Morbidity with temporary loss of work capacity in petroleum refining industry workers in the western provinces of the Ukrainian SSR] Loginov AI. **Vrach Delo** 1984 Aug;(8):118-9 **(Rus)**

[Absenteeism due to backache in a shipyard] Grgurev S, et al. **Reumatizam** 1984;31(5-6):114-6 (Eng. Abstr.) **(Scr)**

[Viral hepatitis in health care personnel in Slovakia] Palanová A, et al. **Cesk Epidemiol Mikrobiol Imunol** 1985 Mar; 34(2):76-84 (Eng. Abstr.) **(Slo)**

[Prevalence of toxoplasmic infection in employees of a slaughterhouse in the city of Santiago, Chile] Schenone H, et al. **Bol Chil Parasitol** 1984 Jan-Jun;39(1-2):33-4 (Eng. Abstr.) **(Spa)**

[Analysis of the frequency of hepatitis B in different hospital zones. Bases for prevention] Juanes Pardo JR, et al. **Rev Clin Esp** 1985 Mar;176(4):182-6 (Eng. Abstr.) **(Spa)**

[Development of the incidence of chronic occupational acoustic trauma as a factor of work disability (a metropolitan area in Chile, 1971-1982)] Prenafeta J, et al. **Rev Med Chil** 1984 Jun;112(6):604-8 (Eng. Abstr.) **(Spa)**

[Retrospective cohort study shows: total low mortality among stevedores but an increasingly high risk for cancer morbidity] Gustafsson L, et al. **Lakartidningen** 1985 Jul 24; 82(30-31):2604-6 **(Swe)**

[Aboard ship--an occupation and a life style in transition] Brochmann JH, et al. **Nord Med** 1985;100(2):54-9 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Nasal epithelium in woodworkers in the furniture industry. A histological and cytological study. Wilhelmsson B, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):321-34

Orf. A case report with histologic, electron microscopic, and immunoperoxidase studies. Sanchez RL, et al. **Arch Pathol Lab Med** 1985 Feb;109(2):166-70

Lung carcinoma by histologic type in coal miners. Vallyathan V, et al. **Arch Pathol Lab Med** 1985 May;109(5):419-23

Acute mercury poisoning with severe chronic pulmonary manifestations. Lilis R, et al. **Chest** 1985 Aug;88(2):306-9

Cutaneous histologic findings in chemical workers with and without chloracne with past exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin. Moses M, et al. **J Am Acad Dermatol** 1985 Mar;12(3):497-506

Osseous changes in the second ray of classical ballet dancers. Kravitz SR, et al. **J Am Podiatr Med Assoc** 1985 Jul; 75(7):346-8

Morphology and pathogenesis of pneumoconiosis in dental technicians. Morgenroth K, et al. **Pathol Res Pract** 1985 Mar;179(4-5):528-36

[Adenocarcinoma of the nose following occupational exposure to sawdust] Hartung M. **Pathologe** 1985 Jan; 6(1):13-5 **(Ger)**

[A rare case of hygroma of the back] Romanini L, et al. **Chir Organi Mov** 1982-83;68(4-6):791-5 (Eng. Abstr.) **(Ita)**

[Chronobiologic resolution of disabling pathologies in shift workers] Marconi G, et al. **Minerva Med** 1985 May 12; 76(19-20):937-40 (Eng. Abstr.) **(Ita)**

[Condition of the nasal and pharyngeal mucosa in workers exposed to titanium dioxide dust] Mickiewicz L, et al. **Med Pr** 1984;35(3):209-15 (Eng. Abstr.) **(Pol)**

[The nasal mucosa and nasal septum in fluorosis] Miszke A, et al. **Otolaryngol Pol** 1984;38(5):421-9 (Eng. Abstr.) **(Pol)**

[Occupational argyria. Study with scanning electron microscopy and energy dispersing X-ray fluorescence] López Vivancos J, et al. **Med Clin (Barc)** 1984 Dec 15; 83(20):856-8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Physiological stresses in warehouse operations with special reference to lifting technique and gender: a case study. Garg A, et al. **Am Ind Hyg Assoc J** 1985 Feb;46(2):53-9

Prolonged complementary chromatopsia in users of video display terminals [letter] Walraven J. **Am J Ophthalmol** 1985 Aug 15;100(2):350-2

Endocrine and reproductive dysfunction in men associated with occupational inorganic lead intoxication. Cullen MR, et al. **Arch Environ Health** 1984 Nov-Dec;39(6):431-40

Pentachlorophenol intoxication: report of a fatal case, with comments on the clinical course and pathologic anatomy. Gray RE, et al. **Arch Environ Health** 1985 May-Jun; 40(3):161-4

The measurement of risk indicators for coronary heart disease in air traffic control officers: a screening study in a healthy population. Maxwell VB, et al. **Aviat Space Environ Med** 1983 Mar;54(3):246-9

Lung function after exposure to barley dust. McCarthy PE, et al. **Br J Ind Med** 1985 Feb;42(2):106-10

Acute exposure of symptomatic steelworkers to sulphur dioxide and carbon dust: effects on mucociliary transport, pulmonary function, and bronchial reactivity. Wolff RK, et al. **Br J Ind Med** 1984 Nov;41(4):499-505

Immunological and respiratory changes in tea workers. Zuškin E, et al. **Int Arch Occup Environ Health** 1985; 56(1):57-65

Multiple indicators of stress in an 'active' job—cardiothoracic surgery. Payne RL, et al. **J Occup Med** 1984 Nov; 26(11):805-8

Thyroid function and lead: no clear relationship. Refowitz RM. **J Occup Med** 1984 Aug;26(8):579-83

Knowledge of causes, controls aids prevention of heat stress. Spain WH, et al. **Occup Health Saf** 1985 Apr;54(4):27-33

Occupational allergic rhinitis. Gervais P, et al. **Rhinology** 1985 Jun;23(2):92-8

Space motion sickness and space vestibulology. Igarashi M, et al. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:228-36

Physiological performance and work capacity of tin mine labourers infested with schistosomiasis in Zaire. van Ee JH, et al. **Trop Geogr Med** 1984 Sep;36(3):259-66

[Functional changes in the visual analyzer of female personnel in quality control of ampules] Koicheva V, et al. **Probl Khig** 1984;9:9-16 (Eng. Abstr.) **(Bul)**

[Vestibular and neurologic findings induced by long-term exposure to noise and vibration] Krejčová H, et al. **Cesk Neurol Neurochir** 1984 Aug;47(4):233-9 **(Cze)**

[The effect of the age of miners on the development of occupational hearing loss] Janisch R. **Cesk Otolaryngol** 1985 Jun;34(3):163-8 (Eng. Abstr.) **(Cze)**

[Rhythm of lung function during the period of a week, with and without exposure to respiratory tract irritants] Maintz G, et al. **Z Erkr Atmungsorgane** 1985;164(2):173-7 (Eng. Abstr.) **(Ger)**

[Ventilatory function in a group of workers in a thermoelectric power plant involved in handling coal] Paggiaro PL, et al. **Med Lav** 1984 Sep-Oct;75(5):399-403 (Eng. Abstr.) **(Ita)**

[Applicability of the nonspecific bronchial provocation test in epidemiology] Polato R, et al. **Med Lav** 1984 May-Jun; 75(3):180-7 (Eng. Abstr.) **(Ita)**

[Effects of visual and mental strain on VDT (visual display terminal) performance] Kumashiro M, et al. **Sangyo Igaku** 1984 Mar;26(2):105-11 (Eng. Abstr.) **(Jpn)**

[An experimental study on the duration of a single spell of work on VDT (visual display terminal) performance] Misawa T, et al. **Sangyo Igaku** 1984 Jul;26(4):296-302 (Eng. Abstr.) **(Jpn)**

[Acoustic reflex in workers using hand-held vibration tools. Combined effects of noise and local vibration] Miyakita T, et al. **Sangyo Igaku** 1984 Mar;26(2):116-24 (Eng. Abstr.) **(Jpn)**

[Changes in the body function of secondary school teachers over the course of the academic year] Navakatikian AO, et al. **Fiziol Zh** 1985 Jan-Feb;31(1):63-70 (Eng. Abstr.) **(Rus)**

[Color sensitivity threshold of the visual analyzer as an indicator of the effectiveness of measures for raising the resistance of the body to UV radiation and vitamin C deficiencies] Iatsyna OV, et al. **Gig Sanit** 1984 Nov;(11):84-5 **(Rus)**

[Neurohormonal regulation in patients with vibration disease caused by local vibrations] Suvorov IM, et al. **Gig Sanit** 1985 Feb;(2):75 **(Rus)**

[Functional state of the pancreas in workers exposed to the long-term action of lead] Timoshina IV, et al. **Ter Arkh** 1985;57(2):91-5 (Eng. Abstr.) **(Rus)**

[Various features of changes in human work capacity during extreme conditions] Kudrin ID, et al. **Voen Med Zh** 1984 Nov;(11):38-40 **(Rus)**

[Effect of an alimentary factor on the activity of the sympathetic-adrenal system in workers performing stressful work] Khotimchenko SA, et al. **Vopr Pitan** 1985 Mar-Apr;(2):36-9 **(Rus)**

[Intestinal function in pipe rolling workers suffering from the lumbosacral pain syndrome] Mirtovskaia VN, et al. **Vrach Delo** 1984 Nov;(11):113-5 (Eng. Abstr.) **(Rus)**

[Relation between finger pallor, the cold test and digital plethysmography in woodcutters who work with various types of power saws] Rački Z. **Arh Hig Rada Toksikol** 1984 Dec;35(4):343-53 (Eng. Abstr.) **(Scr)**

[Obstruction of the respiratory tract in occupational lung diseases] Remškar Z, et al. **Plucne Bolesti** 1984 Jul-Dec; 36(3-4):226-31 (Eng. Abstr.) **(Scr)**

PREVENTION & CONTROL

An overview of occupational safety and health guidelines for Superfund sites. Ferguson JS, et al. **Am Ind Hyg Assoc J** 1985 Apr;46(4):175-80

Nonionizing radiation aspects of optical fiber manufacturing. Huggins RG, et al. **Am Ind Hyg Assoc J** 1984 Dec; 45(12):796-801

Radiological health implications of lead-210 and polonium-210 accumulations in LPG refineries. Summerlin J Jr, et al. **Am Ind Hyg Assoc J** 1985 Apr;46(4):202-5

Control of styrene vapor in a large fiberglass boat manufacturing operation. Todd WF, et al. **Am Ind Hyg Assoc J** 1984 Dec;45(12):817-25

Workers' rights in occupational health [letter] Uzych L. **Am Ind Hyg Assoc J** 1985 Jun;46(6):B24

Managing employee apprehension toward handling cytotoxic drugs. Moore TD, et al. **Am J Hosp Pharm** 1985 Apr; 42(4):826-31

The rules of the game: an analysis of OSHA's enforcement strategy. Rappaport SM. **Am J Ind Med** 1984;6(4):291-303

A survey of hepatitis B vaccination programs for hospital employees. James SM, et al. **Am J Infect Control** 1985 Feb; 13(1):32-4

Employment discrimination implications of genetic screening in the workplace under Title VII and the Rehabilitation Act. Canter EF. **Am J Law Med** 1984 Fall;10(3):323-47

Biological monitoring: the employer's dilemma. Miller FH. **Am J Law Med** 1984 Winter;9(4):387-426

Occupational health hazards in the orthodontic office [editorial] Singer J. **Am J Orthod** 1984 Dec;86(6):518-9

Health promotion in the workplace. A prescription for good health. Cohen WS. **Am Psychol** 1985 Feb;40(2):213-6

Variability in the intradermal and in vitro lymphocyte responses to PPD in patients receiving isoniazid chemoprophylaxis. Tager IB, et al. **Am Rev Respir Dis** 1985 Feb;131(2):214-20

On preventing transmission of viral infections [letter] Barnette RE, et al. **Anesthesiology** 1985 Jun;62(6):845

Surveillance for the effects of workplace exposure. Halperin WE, et al. **Annu Rev Public Health** 1985;6:419-32

The audiologist's role in occupational hearing conservation. **ASHA** 1985 Apr;27(4):41-5

National Health and Medical Research Council 98th session Canberra, 25-26 October 1984. Hepatitis B. **Aust Dent J** 1985 Feb;30(1):49-54

AIDS: safeguards, not panic [editorial] **Br Dent J** 1985 Mar 23;158(6):195

The efficacy of face masks [letter] Caplin RL. **Br Dent J** 1985 Apr 6;158(7):242

AIDS and the health professions [editorial] **Br Med J [Clin Res]** 1985 Feb 23;290(6468):583-4

Hygienic aspects for preventing diseases of seamen in modern vessels. Voitenko AM. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):67-71

Hepatitis-B vaccine for anaesthesia personnel [editorial] Hammond GW, et al. **Can Anaesth Soc J** 1985 May;32(3 Pt 1):210-5 **(Eng, Fre)**

Public policies for healthy work-places. Emery F. **Can J Public Health** 1985 May-Jun;76 Suppl 1:46-50

Work and health: the changing context and changing roles. Griew S. **Can J Public Health** 1985 May-Jun;76 Suppl 1:51-2

Health promoting work. Weinstein MS. **Can J Public Health** 1985 May-Jun;76 Suppl 1:52-5

Employment history valued but not recorded by MDs [letter] Alleyne BC, et al. **Can Med Assoc J** 1984 Nov 1;131(9):1014

The health care of working children. Shah PM. **Child Abuse Negl** 1984;8(4):541-4

O.R. anesthetic gases: solutions to control waste. Sloan IA. **Dimens Health Serv** 1985 Feb;62(2):21

The new OSHA rules and the worker's right to know. McGarity TO. **Hastings Cent Rep** 1984 Aug;14(4):38-45

Assessing the effects of health promotion in worksites: a review of the stress program evaluations. McLeroy KR, et al. **Health Educ Q** 1984 Winter;11(4):379-401

Radiation protection in a luminous dial factory using 147Pm as a joint effort between industry and an academic institution. Weng PS, et al. **Health Phys** 1984 Dec; 47(6):879-86

Reduction of grinder vibration by balancing. Miwa T, et al. **Ind Health** 1984;22(2):59-74

Acceptance of hepatitis B vaccine by hospital personnel. Crossley KB, et al. **Infect Control** 1985 Apr;6(4):147-9

Caring for the infectious patient: risk factors during pregnancy. Gurevich I, et al. **Infect Control** 1984 Oct; 5(10):482-8

Cost of hepatitis B prevention in hospital employees: post-exposure prophylaxis. Kirkman-Liff B, et al. **Infect Control** 1984 Aug;5(8):385-9

A multi-hospital hepatitis B vaccine program: prevalence of antibody and acceptance of vaccination among high-risk hospital employees. Klimek JJ, et al. **Infect Control** 1985 Jan;6(1):32-4

A cost-effective employee health program. Valenti WM. **Infect Control** 1984 Aug;5(8):405-6

A suggestion on how to use measurements of cadmium in blood as a cumulative dose estimate. Rogenfelt A, et al. **Int Arch Occup Environ Health** 1984;55(1):43-8

Workers' health on the new 'long march': occupational health in the People's Republic of China. Christiani DC. **Int J Health Serv** 1984;14(4):605-18 (34 ref.)

An evaluation of the effectiveness of three hearing protection devices at an industrial facility with a TWA of 107 dB. Royster LH, et al. **J Acoust Soc Am** 1984 Aug;76(2):485-97

Guidelines for infection control in the dental office and the commercial dental laboratory. Council on Dental Therapeutics. Council on Prosthetic Services and Dental Laboratory Relations. **J Am Dent Assoc** 1985 Jun; 110(6):969-72

Recommendations in dental mercury hygiene, 1984. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1984 Oct;109(4):617-9

State-of-the-art: practical infection control in dentistry. Crawford JJ. **J Am Dent Assoc** 1985 Apr;110(4):629-33

Vaccination of a county dental society against hepatitis B. Molthen RA, et al. **J Am Dent Assoc** 1985 Jan;110(1):62-4

Hepatitis vaccine [letter] Saxonhouse WJ. **J Am Dent Assoc** 1985 May;110(5):670

Acceptance of hepatitis B vaccine by Rhode Island dental practitioners. Yacovone JA, et al. **J Am Dent Assoc** 1985 Jul;111(1):65-7

Meeting the eye care needs of video display terminal operators. Miller SC. **J Am Optom Assoc** 1984 Aug; 55(8):611-8

The impaired physician. Drogin M. **J Arkansas Med Soc** 1985 Jun;82(1):79-84

Rational management of patients with 'exotic' infectious diseases. Dannis DC. **J Hosp Infect** 1984 Dec;5 Suppl A:107-9

Cost-effectiveness of work-site blood pressure control programs. Erfurt JC, et al. **J Occup Med** 1984 Dec; 26(12):892-900

Occupational health and safety. The Swedish model. Kleinman GD. **J Occup Med** 1984 Dec;26(12):901-5

Hydrogen sulfide and the probabilities of 'inhalation' through a tympanic membrane defect. Ronk R, et al. **J Occup Med** 1985 May;27(5):337-40

Workplace health education. Principles in practice. Vojtecky MA. **J Occup Med** 1985 Jan;27(1):29-33

Occupational exposure and cigarette smoking: respiratory health protection in the workplace. Dosman JA. **J Public Health Policy** 1985 Jun;6(2):185-96

Right-to-know: implications of New Jersey's law. Koplin AN. **J Public Health Policy** 1984 Dec;5(4):538-49

Health promotion in the workplace. Levenstein C, et al. **J Public Health Policy** 1985 Jun;6(2):149-51

Current concepts in occupational and non-occupational noise-induced hearing loss. Watson TA, et al. **J SC Med Assoc** 1984 Aug;80(8):401-3

Medical surveillance of compressed air work support service personnel. O'Kelly FJ, et al. **J Soc Occup Med** 1984 Nov; 34(4):124-6

More effective prevention in occupational health practice? Schilling RS. **J Soc Occup Med** 1984 Aug;34(3):71-9

Protection of Sudanese irrigation workers from schistosome infections by a shift to earlier working hours. Tameim O, et al. **J Trop Med Hyg** 1985 Apr;88(2):125-30

Radiation exposure to patient and urologist during percutaneous nephrostolithotomy. Bush WH, et al. **J Urol** 1984 Dec;132(6):1148-52

Radiation exposure during fluoroscopically controlled percutaneous lithotripsy. Kelsey CA, et al. **J Urol** 1984 Dec;132(6):1254-5

Mummified, frozen smallpox: is it a threat? [letter] Lewin PK. **JAMA** 1985 Jun 7;253(21):3095

A recommended approach to the evaluation of human rabies exposure in an acute-care hospital. Remington PL, et al. **JAMA** 1985 Jul 5;254(1):67-9

Smallpox entombed [letter] Hopkins DR. **Lancet** 1985 Jan 19;1(8421):175

Vaccine prophylaxis of abattoir-associated Q fever. Marmion BP, et al. **Lancet** 1984 Dec 22;2(8417-18):1411-4

Immunisation of nurses with a live varicella vaccine. Ndumbe PM, et al. **Lancet** 1985 May 18;1(8438):1144-7

Spending on radiation protection [letter] Russell JG, et al. **Lancet** 1985 Feb 16;1(8425):391

Industrial audiometry and the otologist. Dobie RA. **Laryngoscope** 1985 Apr;95(4):382-5

Epidemiological surveillance of occupational health in Australia [editorial] Roder DM. **Med J Aust** 1984 Sep 15; 141(6):328-30

Chronic hazards and acute enforcement: dilemma for occupational health enforcement policy. Weeks JL, et al. **Milbank Mem Fund Q** 1985 Winter;63(1):127-40

NIOSH recommendations for occupational safety and health standards. **MMWR** 1985 Jul 19;34 Suppl 1:1S-31S

Toxic hazards in Britain [news] Chown M. **Nature** 1984 Sep 27-Oct 3;311(5984):290

British nuclear workforce assessed for risks [news] Clarke M. **Nature** 1985 Aug 22-28;316(6030):666

Dose rates from patients having nuclear medicine investigations. Harding LK, et al. **Nucl Med Commun** 1985 Apr;6(4):191-4

AIDS: information for dentists. New York State Department of Health. **NY J Dent** 1984 Sep-Oct;54(6):256

Should you take the Heptavax-B (hepatitis-B) vaccine? Kulik LT. **NY J Dent** 1985 Apr-May;55(4):133-4

Lead exposure among iron workers in New York City. A continuing occupational hazard in the 1980s. Fischbein A, et al. **NY State J Med** 1984 Sep;84(9):445-8

Teamwork can improve the health of lead process workers. Hinton D, et al. **NZ Med J** 1985 May 8;98(778):336-9

Experience with full-dose hepatitis B vaccine in Wellington Hospital staff. Humble MW, et al. **NZ Med J** 1985 Jun 26;98(781):479-81

Going the extra 'foot' for workers involves more than measuring stick. Aydelotte C. **Occup Health Saf** 1985 Jun; 54(6):88

Eye safety and health programs can improve productivity and profits. David N, et al. **Occup Health Saf** 1985 Aug; 54(8):37-40

Regional poison centers: helpful resources for businesses. Kurt TL. **Occup Health Saf** 1985 Feb;54(2):38

Pre-placement health screening needs problem-oriented approach. Kurt TL. **Occup Health Saf** 1985 May;54(5):23

Smoking: legalized addiction unacceptable to health economics. Kurt TL. **Occup Health Saf** 1984 Sep; 53(8):79-80

Hazards of confined spaces require clearly defined policies. Loud JJ. **Occup Health Saf** 1985 Apr;54(4):34, 36, 38-9

Worksite economical setting for preventive health care programs. Polakoff PL. **Occup Health Saf** 1985 Jun; 54(6):75-6

Automation and integration of health information systems. Rappaport W. **Occup Health Saf** 1985 May;54(5):26-7, 29

Vision losses prevented by using protective eyewear. Rosenwasser TL, et al. **Occup Health Saf** 1985 Apr; 54(4):63-6

The otolaryngologist and hearing protectors. Alberti PW, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):633-40

The United States-Mexico border: health problems and opportunities. Scutchfield FD. **Pharos** 1985 Spring; 48(2):9-11

Aeromedical standards, aircrew health care and aerospace medicine education. Mohler SR. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:53-6

Controlling the risk in pilot incapacitation. Orlady HW. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:66-75

Epidemiology in occupational medicine. Stallones RA.

Sangyo Ika Daigaku Zasshi 1983 Mar 20;5 Suppl:7–14

Work-related diseases. A new program of the World Health Organization. el Batawi MA.
Scand J Work Environ Health 1984 Dec;10(6 Spec No):341–6

Strategies of air sampling. Corn M.
Scand J Work Environ Health 1985 Jun;11(3 Spec No):173–80

Atopy and work. Nordman H.
Scand J Work Environ Health 1984 Dec;10(6 Spec No):481–5 (38 ref.)

Assessing recent developments and opportunities in the promotion of health in the American workplace. Castillo-Salgado C. **Soc Sci Med** 1984;19(4):349–58

Hepatitis B prevention in small rural hospitals. Dandoy S, et al. **West J Med** 1984 Nov;141(5):627–30

Recommended health-based occupational exposure limits for respiratory irritants. Report of a WHO Study Group.
WHO Tech Rep Ser 1984;707:1–154 (468 ref.)

[Hepatitis B immunization in Dutch hospitals] Heijtink RA, et al. **Ned Tijdschr Geneeskd** 1985 Feb 16;129(7):291–4 **(Dut)**

[Occupational medicine problems in females in social medicine evaluations--I] Vetter L. **Off Gesundheitswes** 1985 May;47(5):227–31 **(Ger)**

[Tasks in the control of occupationally-induced diseases in the chemical industry] Bittersohl G. **Z Gesamte Hyg** 1985 Feb;31(2):112–3 (Eng. Abstr.) **(Ger)**

[Possibilities and results of industrial psychologic cooperation in the industrial health advisory process--a report of experiences] Findeisen c, et al. **Z Gesamte Hyg** 1984 Jul;30(7):393–5 (Eng. Abstr.) **(Ger)**

[New limits of noise emission at the work stations of workers] Müller W, et al. **Z Gesamte Hyg** 1984 Oct;30(10):561–5 (Eng. Abstr.) **(Ger)**

[Objectives and methodologies of ICRP Publication 26 for the protection of the health of workers and the population. Problems with specifications] Frullani S.
Ann Ist Super Sanita 1983;19(2–3):391–5 (Eng. Abstr.) **(Ita)**

[Criteria for environmental hygiene protection in the industrial production of antitumor agents] Sordelli D.
Boll Chim Farm 1985 Jan;124(1):1–6 **(Ita)**

[Validity of a biophysical model for predicting heart rate values during activities operating under a risk of thermal stress] Terzi R, et al. **Boll Soc Ital Biol Sper** 1984 Nov 30;60(11):2083–9 (Eng. Abstr.) **(Ita)**

[New trends in occupational medicine in relation to chronic degenerative diseases] Grieco A, et al. **Med Lav** 1985 Mar–Apr;76(2):94–102 (Eng. Abstr.) **(Ita)**

[Protection of workers against non-ionizing electromagnetic radiation: examples of improvements in radiofrequency equipment in the plastic, wood and metallurgy industries] Orsini S, et al. **Med Lav** 1984 Nov–Dec;75(6):463–70 (Eng. Abstr.) **(Ita)**

[Biological monitoring of workers engaged in the production of welding fluxes with ambient exposure to fluorine lower than the threshold limit value] Pattarin R, et al.
Med Lav 1984 Sep–Oct;75(5):368–75 (Eng. Abstr.) **(Ita)**

[General and immunologic prevention of hepatitis B with special reference to the problem of dentists] Moiraghi Ruggenini A, et al. **Minerva Stomatol** 1984 Nov–Dec;33(6):899–908 **(Ita)**

[Epidemiologic study of professional dentists with special reference to the use of preventive measures] Zotti C, et al. **Minerva Stomatol** 1984 Nov–Dec;33(6):909–14 **(Ita)**

[Attenuation efficiency of hearing protectors for workers exposed to noise] Murakami M, et al. **Sangyo Igaku** 1984 Mar;26(2):178–9 **(Jpn)**

[Reduction of health risk factors in workers exposed to carbon disulfide] Głuszcz M, et al. **Med Pr** 1984;35(3):217–21 (Eng. Abstr.) **(Pol)**

[Role of exercise therapy in the prevention of lumbosacral backache in textile industry workers] Split W, et al.
Med Pr 1984;35(6):465–9 (Eng. Abstr.) **(Pol)**

[Value of a rational work schedule for female industrial workers in the prevention of pregnancy complications] Miterev AG. **Akush Ginekol (Mosk)** 1984 Dec;(12):52–3 **(Rus)**

[Individual doses of radiation of personnel at a radioactive waste disposal center] Erkin VG, et al. **Gig Sanit** 1984 Jul;(7):86–7 **(Rus)**

[Effectiveness of a balanced diet in a dispensary for coal miners] Krasnonevtsev VM, et al. **Gig Sanit** 1984 Nov;(11):14–6 (Eng. Abstr.) **(Rus)**

[Early diagnosis and prophylaxis of vibration disease in construction workers] Kuimova TL, et al. **Gig Sanit** 1984 Oct;(10):74–5 **(Rus)**

[Hygienic evaluation of working conditions of radioactive logging] Sokolina LL, et al. **Gig Sanit** 1984 Jul;(7):87–8 **(Rus)**

[Stimulating effects of eleuterococcus and Chinese schizandra used for prevention of visual fatigue during work connected with color discrimination] Sosnova TL, et al. **Gig Sanit** 1984 Dec;(12):7–9 (Eng. Abstr.) **(Rus)**

[Demercurization as a preventive measure in mercury hazard] Trakhtenberg IM, et al. **Gig Sanit** 1985 Feb;(2):60–3 **(Rus)**

[Experience in using low doses of ascorbic acid for reducing the morbidity of engine teams of the Moscow subway] Dubrovskaia TA, et al. **Gig Tr Prof Zabol** 1985 May;(5):46–8 **(Rus)**

[Work experience of the industrial hygienists of epidemiological health stations in preventive health inspections in Gorlovka] Gripas' IN, et al.
Gig Tr Prof Zabol 1985 Apr;(4):36–8 (Eng. Abstr.) **(Rus)**

[Current achievements and problems of occupational hygiene and occupational pathology] Izmerov NF.
Gig Tr Prof Zabol 1984 Aug;(8):1–5 **(Rus)**

[Tasks of occupational physiology in light of contemporary problems in the prevention of workers' diseases] Izmerov NF, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):1–4 (Eng. Abstr.) **(Rus)**

[Physiologic health regulation of the labor of workers engaged in the maintenance of metallurgical furnaces and assemblies] Karnaukh NG, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):32–5 (Eng. Abstr.) **(Rus)**

[Improving working conditions of women engaged in hosiery production] Kolos LV. **Gig Tr Prof Zabol** 1984 Oct;(10):53–4 **(Rus)**

[Problem of dispensarization in occupational pathology] Popova TB, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):5–9 (Eng. Abstr.) **(Rus)**

[Achievements and perspectives of occupational hygiene in the railroad transport industry] Prokhorov AA.
Gig Tr Prof Zabol 1984 Aug;(8):5–9 **(Rus)**

[Organizational and practical questions concerning the work of engineer-physician teams] Retnev VM, et al.
Gig Tr Prof Zabol 1984 Nov;(11):26–30 (Eng. Abstr.) **(Rus)**

[Prevention of the cumulative manifestations of fatigue in sailors during prolonged cruises by means of electrosleep] Sten'ko IuM, et al. **Gig Tr Prof Zabol** 1985 May;(5):42–4 **(Rus)**

[Hygienic significance of force loads and recommendations for optimizing them in the design of manually-operated machines] Suvorov GA, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):4–7 (Eng. Abstr.) **(Rus)**

[Prevention of vibration disease in the mining industry] Vyshchipan VF, et al. **Gig Tr Prof Zabol** 1985 Apr;(4):4–7 (Eng. Abstr.) **(Rus)**

[Methods of reducing the level of parasitic oscillations in the construction elements of ultrasonic therapy applicators] Abgarian VV, et al. **Med Tekh** 1984 Sep–Oct;(5):21–7 (Eng. Abstr.) **(Rus)**

[Selection of workers at a factory sanatorium] Alekperov II, et al. **Sov Zdravookhr** 1984;(11):20–2 (Eng. Abstr.) **(Rus)**

[Quanta of goal-oriented worker activity in the process of manufacturing electron-optical systems] Mamedov AM, et al. **Vestn Akad Med Nauk SSSR** 1985;(2):60–3 (Eng. Abstr.) **(Rus)**

[Principles of the organization and conduction of mass screening of workers in 'dusty' professions] Ostapkovich EV. **Vestn Otorinolaringol** 1985 Jan–Feb;(1):61–5 (Eng. Abstr.) **(Rus)**

[Present state and improvement of the methods of preventing ORL diseases in industrial workers] Ostapkovich VE.
Vestn Otorinolaringol 1985 Mar–Apr;(2):3–8 (Eng. Abstr.) **(Rus)**

[Work safety in roentgenodiagnostic departments] Chikirdin EG, et al. **Vestn Rentgenol Radiol** 1984 Sep–Oct;(5):89–90 **(Rus)**

[Prevention of the adverse effects of vibration] Ivanov VV, et al. **Voen Med Zh** 1984 Dec;(12):47–8 **(Rus)**

[Experience with the complex operation of public health and social service organs and institutions in preventing and reducing disability] Posnyĭ VF. **Vrach Delo** 1984 Dec;(12):101–2 **(Rus)**

[The why and wherefore of biologic monitoring] Telišman S. **Arh Hig Rada Toksikol** 1984 Sep;35(3):285–9 **(Scr)**

[Study of the reactivity and immunogenicity of FSME-IMMUN vaccine against tick-borne meningoencephalitis] Borčić B, et al. **Lijec Vjesn** 1984 Oct;106(10):425–8 (Eng. Abstr.) **(Scr)**

PSYCHOLOGY

Comparative study of the work load between one-man buses and two-man buses. Ueno M, et al.
Acta Med Okayama 1985 Jun;39(3):207–15

Psychological stress--the unrecognized health hazard [editorial] Piechota CL. **Am Ind Hyg Assoc J** 1984 Sep;45(9):A4

The study of stress at work. Baker DB.
Annu Rev Public Health 1985;6:367–81

Stress on stress. Samson E. **Br Dent J** 1984 Aug 11;157(3):108

The clinical impact of job design. Broadbent DE.
Br J Clin Psychol 1985 Feb;24 (Pt 1):33–44

Teacher stress and psychoneurotic symptoms. Kyriacou C, et al. **Br J Educ Psychol** 1985 Feb;55 (Pt 1):61–4

Occupational lead neurotoxicity: improvement in behavioural effects after reduction of exposure. Baker EL, et al.
Br J Ind Med 1985 Aug;42(8):507–16

Workers' compensation. A psychiatric follow-up study. Sprehe DJ. **Int J Law Psychiatry** 1984;7(2):165–78

Stress and female physician administrators. Bowman MA.
J Am Med Wom Assoc 1985 Jan–Feb;40(1):15–9

Stress at work and psychosomatic complaints: a causal interpretation. Frese M. **J Appl Psychol** 1985 May;70(2):314–28

Reasons to leave shiftwork and psychological and psychosomatic complaints of former shiftworkers. Frese M, et al. **J Appl Psychol** 1984 Aug;69(3):509–14

Labelling in hypertension: a review of the behavioural and psychological consequences. Macdonald LA, et al.
J Chronic Dis 1984;37(12):933–42 (34 ref.)

Patient and physician perspectives of work-related illness in family practice. Stein EC, et al. **J Fam Pract** 1985 Jun;20(6):561–5

Type A in relation to job-stress, social and bioclinical variables: the Belgian Physical Fitness Study. Kittel F, et al. **J Human Stress** 1983 Dec;9(4):37–45

Occupational and psychosocial stress among commercial aviation pilots. Cooper CL, et al. **J Occup Med** 1985 Aug;27(8):570–6

Stress among crane operators. Cooper CL, et al.
J Occup Med 1984 Aug;26(8):575–8

Mental health and work stress in office workers in Hong Kong. Lam TH, et al. **J Occup Med** 1985 Mar;27(3):199–205

The manager, stress and psychosomatic disease. Davison CK.
J R Soc Health 1985 Apr;105(2):47–8

Risk for bladder cancer. Psychological impact of notification. Hornsby JL, et al. **JAMA** 1985 Apr 5;253(13):1899–902

Technostress. Another Japanese discovery [news] Anderson A. **Nature** 1985 Sep 5–11;317(6032):6

Types and sources of social support for managing job stress in critical care nursing. Norbeck JS. **Nurs Res** 1985 Jul–Aug;34(4):225–30

Stress release: emerging tool in total stress management program. Lippin RA. **Occup Health Saf** 1985 Jun;54(6):80–2

Meditation practice as related to occupational stress, health and productivity. Delmonte MM. **Percept Mot Skills** 1984 Oct;59(2):581–2

Locus of control and perceived stress among student-teachers. Sadowski CJ, et al. **Psychol Rep** 1985 Jun;56(3):723–6

Cognitive problems in aviation psychological studies. Sugiyama S. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:97–102

Work, stress and health. Levi L.
Scand J Work Environ Health 1984 Dec;10(6 Spec No):495–500

Psychogenic epidemics and work. Olkinuora M.
Scand J Work Environ Health 1984 Dec;10(6 Spec No):501–4

[Dynamic clinico-psychological study of a factory worker group with an increased risk of developing neuroses] Popescu A, et al. **Rev Med Interna [Neurol Psihiatr]** 1984 Oct–Dec;29(4):295–306 **(Rum)**

RADIOGRAPHY

Hand osteoarthropathy in pianists. Bard CC, et al.
J Can Assoc Radiol 1984 Jun;35(2):154–8

[Asbestosis in glass blowers] Ahlendorf W.
Z Gesamte Hyg 1985 Mar;31(3):166–7 (Eng. Abstr.) **(Ger)**

[Pathological functional changes in the upper ribs] Andreeva VF, et al. **Vestn Rentgenol Radiol** 1984 Nov–Dec;(6):23–7 (Eng. Abstr.) **(Rus)**

REHABILITATION

Rehabilitating injured backs involves intervention, monitoring. Marks LN, et al. **Occup Health Saf** 1985 Aug;54(8):24–9, 58

[Occupational allergies to flour. Measures for occupational rehabilitation of the Disability Insurance from 1978 to 1982 and the new status under the 1984 Insurance Law] Fankhauser J, et al. **Schweiz Rundsch Med Prax** 1984 Sep 11;73(37):1103–7 (Eng. Abstr.) **(Ger)**

[Nonexerting work in selected operations of the VE construction industry of East Germany] Kummer R, et al.
Z Gesamte Hyg 1984 Sep;30(9):526–8 (Eng. Abstr.) **(Ger)**

[Medico-legal diagnosis of occupational diseases: effects on rehabilitation] Mazzella di Bosco M. **G Ital Med Lav** 1984 Jan–Mar;6(1–2):33–40 (Eng. Abstr.) **(Ita)**

[Health status and problems of rehabilitation treatment of miners in the Baikal-Amur Railway region] German GN.
Gig Tr Prof Zabol 1985 Jun;(6):20–3 **(Rus)**

SURGERY

A prospective investigation into the orthopaedic and psychologic predictors of outcome of first lumbar surgery following industrial injury. Dzioba RB, et al. **Spine** 1984 Sep;9(6):614–23

THERAPY

Woodcarving for dentists. Creative stressbreaking. O'Brien DJ. **Can Dent Assoc J** 1985 Jun;51(6):424–5

Music clinics [letter] Fischer-Williams M. **Lancet** 1985 Jul 20;2(8447):147–8

The overuse of tenosynovitis [letter] **Med J Aust** 1984 Oct 27;141(9):614–6

[A study on in vitro histamine release in patients with sea-squirt asthma in relationship to specific hyposensitization therapy] Tanifuji K. **Arerugi** 1984 Jun;33(6):357–63 (Eng. Abstr.) **(Jpn)**

[Health resort treatment of peripheral blood flow disorders in the hands caused by local vibration] Bielski J, et al.
Pol Tyg Lek 1984 Sep 24;39(39):1289–91 (Eng. Abstr.) **(Pol)**

[Effectiveness of the treatment of patients with vibration disease by sinusoidal modulated currents] Gerasimova MM, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):39–41 **(Rus)**

[Correction of microcirculatory disorders in vibration disease] Loseva MI, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):19–22 (Eng. Abstr.) **(Rus)**

[Advanced training of factory physicians in the organization and application of therapeutico-preventive measures in occupational hygiene] Retnev VM, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):46–7 **(Rus)**

[Treatment of vibration disease in coal miners by hyperbaric oxygenation] Soboleva NP. **Gig Tr Prof Zabol** 1984 Oct;(10):41–2 **(Rus)**

[Comparative evaluation of various methods of treating miners with vibration- and noise-induced diseases] Vel'skaia ML, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):16–9 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Cryptosporidiosis in hospital personnel. Evidence for person-to-person transmission. Koch KL, et al. **Ann Intern Med** 1985 May;102(5):593–6

Hepatitis B—a personal view. Booth DR. **Aust Dent J** 1985 Feb;30(1):47–8

Multiple deaths due to hepatitis B related to dental treatment [letter] Samaranayake LP. **Br Dent J** 1985 May 11;158(9):318

AIDS and dentists in Australia [news] Wall CH. **Br Dent J** 1985 May 25;158(10):380

Precautions against transmittable disease. Kawala KS. **IMJ** 1984 Dec;166(6):387

Update on AIDS. Valenti WM. **Infect Control** 1985 Feb;6(2):85–6

Transmission of HBV from dental personnel to patients. Kane MA, et al. **J Am Dent Assoc** 1985 Apr;110(4):634–6

The significance of AIDS to dentists and dental practice. Davis DR, et al. **J Prosthet Dent** 1984 Nov;52(5):736–8

An outbreak of herpes simplex virus type I gingivostomatitis in a dental hygiene practice. Manzella JP, et al. **JAMA** 1984 Oct 19;252(15):2019–22

[2 cases of probable interhuman transmission of Mycobacterium bovis] Kubin M, et al. **Z Erkr Atmungsorgane** 1984;163(3):285–91 (Eng. Abstr.) **(Ger)**

[Epidemiologic study of the medical staff of a dental clinic and the students in a doctoral course in dentistry and dental prosthesis] Corrao G, et al. **Minerva Stomatol** 1984 Nov-Dec;33(6):891–8 **(Ita)**

[Tuberculosis as an occupational disease among health care personnel] Löfdahl CG, et al. **Lakartidningen** 1984 Dec 5;81(49):4659–62 (Eng. Abstr.) **(Swe)**

URINE

Urinary excretion of cresol as an indicator for occupational toluene exposure. Kono K, et al. **Ind Health** 1985;23(1):37–45

Urinary dimethylbenzoic acid excretion as an indicator of occupational exposure to white spirit. Pfäffli P, et al. **J Chromatogr** 1985 Jan 11;337(1):146–50

[Determination of styrene metabolites in biologic material—methods and initial results] Avilova GG, et al. **Z Gesamte Hyg** 1984 Oct;30(10):559–61 (Eng. Abstr.) **(Ger)**

[Relationship between stressful work, personality and catecholamine excretion] Vivoli G, et al. **Nuovi Ann Ig Microbiol** 1983 Mar-Apr;34(2):97–108 (Eng. Abstr.) **(Ita)**

[Necessity for total trichloride compound measurement in screening tests for workers exposed to trichloroethylene or 1,1,1,-trichloroethane] Abe T, et al. **Sangyo Igaku** 1984 Nov;26(6):492–9 (Eng. Abstr.) **(Jpn)**

OCCUPATIONAL HEALTH SERVICES

Occupational health monitoring and surveillance. Guidotti TL. **Am Fam Physician** 1985 Feb;31(2):161–9 (8 ref.)

Occupational health services in 1984: a prospective model [editorial] Parmeggiani L. **Am J Ind Med** 1985;7(2):91–2

Workplace health education: who should educate? Vojtecky MA. **Am J Ind Med** 1985;7(1):81–5

Rubella screening and vaccination follow-up by a hospital employee health office. Kohl HW 3d. **Am J Infect Control** 1985 Jun;13(3):124–7

Weight loss competitions at the work site: impact on weight, morale and cost-effectiveness. Brownell KD, et al. **Am J Public Health** 1984 Nov;74(11):1283–5

Ophthalmology in service to the public [editorial] Weinstein GW. **Arch Ophthalmol** 1985 Mar;103(3):345–6

An industrial alcohol policy: the characteristics of worker success. Beaumont PB, et al. **Br J Addict** 1984 Sep;79(3):315–8

Role of the occupational health service in increasing the uptake of rubella immunisation [letter] **Br Med J [Clin Res]** 1985 Feb 16;290(6467):560–1

Role of the occupational health service in screening and increasing the uptake of rubella immunisation. Jachuck SJ, et al. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):119–20

Dentistry and the workplace. Proceedings of a conference, July 29, 1983, Melbourne, Australia. **Community Health Stud** 1985;9(1 Suppl):1s–38s

Unions, employers and health services. Hicks N. **Community Health Stud** 1985;9(1 Suppl):5S–10S

Misericordia's wellness program improves employees' lifestyles. Fillingham E. **Dimens Health Serv** 1984 Dec;61(12):34–5

Employee self-help smoking cessation programs: a review of the literature. Windsor RA, et al. **Health Educ Q** 1984 Winter;11(4):349–59 (81 ref.)

Routine physical examinations for new employees? [letter] Craig CP. **Infect Control** 1984 Oct;5(10):465–6

Advanced occupational health information systems. Carel RS, et al. **J Med Syst** 1984 Dec;8(6):563–70

Program for increasing health and physical fitness of fire fighters. Cady LD Jr, et al. **J Occup Med** 1985 Feb;27(2):110–4

Off the reserves' bench. Rossiter CE. **J Soc Occup Med** 1985 May;35(2):39–43

A survey of health promotion programs of Tennessee employers. Dorman SM. **J Tenn Med Assoc** 1985 Jan;78(1):27–8

'Heart at Work' campaign encourages healthier living [news] Goldsmith MF. **JAMA** 1985 Sep 20;254(11):1422–3

A workplace health education program that reduces outpatient visits. Lorig K, et al. **Med Care** 1985 Sep;23(9):1044–54

Health and fitness boom moves into corporate America. Brennan AJ. **Occup Health Saf** 1985 Jul;54(7):38–40, 42–5

Instructions and techniques for reliable audiometric tests. Morrill JC. **Occup Health Saf** 1984 Sep;53(8):64–8

Breast-feeding by employed mothers: a reasonable accommodation in the work place. Katcher AL, et al. **Pediatrics** 1985 Apr;75(4):644–7

A simple procedure for evaluating exercise-based health promotion programs in a worksite. Gray SW. **Percept Mot Skills** 1984 Aug;59(1):143–6

A hypertension treatment program at the workplace to complement community care. Sexton M, et al. **Prev Med** 1985 Jan;14(1):15–23

Screening for hypertension in a working population. Carel RS, et al. **Public Health** 1984 Nov;98(6):327–32

Evaluation of lifestyle risk assessment and health education program. Korolewski LS. **Public Health** 1984 Nov;98(6):372–6

Worksite health promotion in Colorado. Davis MF, et al. **Public Health Rep** 1984 Nov-Dec;99(6):538–43

The promotion of physical activity in the United States population: the status of programs in medical, worksite, community, and school settings. Iverson DC, et al. **Public Health Rep** 1985 Mar-Apr;100(2):212–24

Health promotion activities at the worksite: a Rhode Island business perspective. Kelley BC, et al. **RI Med J** 1984 Sep;67(9):395–8

After the dust has settled—proposition for health care on the part of airlines. Funatsu Y. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:24–31

[What is a good occupational health service?] **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35–36):2525–9 **(Nor)**

[Health services in offshore petroleum industries. Problems and challenges] Hanoa R. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35–36):2461–4 **(Nor)**

[Integration of occupational health into the primary health system] Nogueira DP. **Rev Saude Publica** 1984 Dec;18(6):495–509 (Eng. Abstr.) **(Por)**

[Experience in using physicochemical research methods in practical health inspections] Zenina GA. **Gig Sanit** 1985 Jun;(6):67–8 **(Rus)**

[Dispensary care for female workers in a rural locality] Malysheva ZV, et al. **Gig Tr Prof Zabol** 1984 Sep;(9):39–40 **(Rus)**

[Results of 2-year nondrug treatment of patients with a mild form of arterial hypertension at the health centers of an industrial enterprise] Britov AN, et al. **Ter Arkh** 1985;57(1):62–4 (Eng. Abstr.) **(Rus)**

[Method of therapeutic physical exercises in industry for patients suffering from hypertension] Bogomolov AN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jul-Aug;(4):25–8 (Eng. Abstr.) **(Rus)**

[Increased efficiency of the prophylactic examinations of workers and employees in industrial enterprises] Kalishchuk AO, et al. **Vrach Delo** 1984 Sep;(9):110–1 (Eng. Abstr.) **(Rus)**

[Preventive care in general practice and its documentation] Klimo F, et al. **Cesk Zdrav** 1984 Sep;32(8–9):338–48 (Eng. Abstr.) **(Slo)**

[Control of arterial hypertension: benefits of a program of intervention] Ruiz de la Fuente Tirado S, et al. **Rev Esp Cardiol** 1984 Sep–Oct;37(5):307–11 (Eng. Abstr.) **(Spa)**

ECONOMICS

Cost of hepatitis B prevention in hospital employees: post-exposure prophylaxis. Kirkman-Liff B, et al. **Infect Control** 1984 Aug;5(8):385–9

Reduced disability and health care costs in an industrial fitness program. Bowne DW, et al. **J Occup Med** 1984 Nov;26(11):807–16

Cost-effectiveness of work-site blood pressure control programs. Erfurt JC, et al. **J Occup Med** 1984 Dec;26(12):892–900

A cost-effective weight loss program at the worksite. Seidman LS, et al. **J Occup Med** 1984 Oct;26(10):725–30

Economic evaluation of occupation-based programs: conflicting criteria and the case for government subsidy. Swint JM, et al. **J Stud Alcohol** 1985 Mar;46(2):157-60

The new 'regulators' of health care. Prior JT. **NY State J Med** 1985 Jan;85(1):6

Smoking: legalized addiction unacceptable to health economics. Kurt TL. **Occup Health Saf** 1984 Sep;53(8):79–80

Worksite economical setting for preventive health care programs. Polakoff PL. **Occup Health Saf** 1985 Jun;54(6):75–6

[Determination of the economic effectiveness of hygienic measures to enhance the occupational stability of the graduates of vocational and technical schools] Gapon VA, et al. **Gig Sanit** 1985 Jun;(6):65–6 **(Rus)**

[Role of the 'health shop' in further reducing sick leave and increasing productivity] Braga GF, et al. **Sov Zdravookhr** 1984;(10):22–5 (Eng. Abstr.) **(Rus)**

[Economic efficiency of treating arterial hypertension patients] Tulepbaev MZh, et al. **Sov Zdravookhr** 1985;(2):24–7 **(Rus)**

HISTORY

[Results of the activities of the Republic Center for Occupational Diseases of the Latvian SSR (on the 20th anniversary of the founding of the occupational pathology service in the Republic)] Eglite ME, et al. **Gig Tr Prof Zabol** 1985 Mar;(3):9–12 **(Rus)**

LEGISLATION & JURISPRUDENCE

Biological monitoring: the employer's dilemma. Miller FH. **Am J Law Med** 1984 Winter;9(4):387–426

Worker control over occupational health services: the development of legal rights in the EEC. Gevers JK. **Int J Health Serv** 1985;15(2):217–29

State and local health departments. Forgotten resources in occupational safety and health. Key MM. **J Occup Med** 1985 May;27(5):379–85

Occupational health and safety. The Swedish model. Kleinman GD. **J Occup Med** 1984 Dec;26(12):901–5

MANPOWER

The use of lay readers of chest roentgenograms in industrial screening programs. Hessel PA, et al. **J Occup Med** 1985 Jan;27(1):43–50

Review of District Occupational Health Departments for National Health Service staff in the North Western Region of England. Gatley MS. **J Soc Occup Med** 1985 Autumn;35(3):85–90

ORGANIZATION & ADMINISTRATION

Weight reduction at the work site: a promise partially fulfilled. Brownell KD, et al. **Am J Psychiatry** 1985 Jan;142(1):47–52

The scope of occupational health in developing countries [editorial] Mendes R. **Am J Public Health** 1985 May;75(5):467–8

A proposal for an Australian dental occupational health system. Crowe BL. **Community Health Stud** 1985;9(1 Suppl):25S–31S

Inhouse staff program relieves 'back' breaking problems. Brado E. **Dimens Health Serv** 1984 Dec;61(12):36

Employee assistance programs: an overview and suggested roles for psychiatrists. Brill P, et al. **Hosp Community Psychiatry** 1985 Jul;36(7):727–32

Bank offers onsite preadmission testing. Powills S. **Hospitals** 1985 Aug 16;59(16):150–1

A combined program in operation. Beideman ME, et al. **Infect Control** 1984 Oct;5(10):498–9

A multi-hospital hepatitis B vaccine program: prevalence of antibody and acceptance of vaccination among high-risk hospital employees. Klimek JJ, et al. **Infect Control** 1985 Jan;6(1):32–4

A cost-effective employee health program. Valenti WM. **Infect Control** 1984 Aug;5(8):405–6

Workers' health on the new 'long march': occupational health in the People's Republic of China. Christiani DC. **Int J Health Serv** 1984;14(4):605–18 (34 ref.)

Dietetics at work in the workplace: academia and industry cooperate in a blood pressure program. Wagstaff MA, et al. **J Am Diet Assoc** 1985 Apr;85(4):465–70

The introduction of the computer to an occupational health department in the chemical industry. O'Sullivan JJ. **J Soc Occup Med** 1985 May;35(2):65–7

Using COSTAR in occupational health. Wild AE, et al. **J Soc Occup Med** 1984 Nov;34(4):109–23

'Health Watch': the Australian petroleum industry health study surveillance programme. Christie D, et al. **Med J Aust** 1984 Sep 15;141(6):331–4

Health promotion programs: limited funds no stumbling block. Hargadine HK. **Occup Health Saf** 1985 Mar;54(3):69–74

Health promotion at the worksite. I. A process for establishing programs. Felix MR, et al. **Prev Med** 1985 Jan;14(1):99–108

[A medico-environmental system of health surveillance of workers] Vezina M, et al. **Arch Belg** 1984;42(1–2):130-7 **(Fre)**

[Organization of occupational health services. Experiences from a cooperative program] Holmen J. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35–36):2521-2 **(Nor)**

[How should occupational health services be organized?] Langård S. **Tidsskr Nor Laegeforen** 1984 Dec 20; 104(35-36):2518-20 (Nor)

[Models and health objectives of the occupational health service in Poland--theory and practice] Indulski J. **Med Pr** 1985;36(1):9-20 (Pol)

[Analysis of dental health services at selected large industrial plants] Jańczuk Z, et al. **Med Pr** 1984;35(6):457-63 (Eng. Abstr.) (Pol)

[Current state and perspectives of development of health resort services for gynecological patients in trade union sanatoria] Storozhenko NA. **Akush Ginekol (Mosk)** 1984 Aug;(8):13-5 (Rus)

[Activities of a coniotuberculosis center] Gol'del'man AG, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):44-5 (Eng. Abstr.) (Rus)

[Problem of dispensarization in occupational pathology] Popova TB, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):5-9 (Eng. Abstr.) (Rus)

[Advanced training of factory physicians in the organization and application of therapeutico-preventive measures in occupational hygiene] Retnev VM, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):46-7 (Rus)

[Organizational and practical questions concerning the work of engineer-physician teams] Retnev VM, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):26-30 (Eng. Abstr.) (Rus)

[Prevention of occupational trauma and organization of traumatological services in the carpet industry] Muradov AM, et al. **Ortop Travmatol Protez** 1985 Jun;(6):51-3 (Rus)

[Automated system of processing fluorographic data] Aksel'rod GB, et al. **Sov Med** 1984;(9):69-72 (Rus)

[Selection of workers at a factory sanatorium] Alekperov II, et al. **Sov Zdravookhr** 1984;(11):20-2 (Eng. Abstr.) (Rus)

[Regional industrial gynecological unit for the detection of oncological diseases] Bakaushina II, et al. **Sov Zdravookhr** 1985;(4):42-3 (Rus)

[Organization and efficacy of the team method of preventive ultraviolet irradiation of coal miners] Svetlichnyĭ VA, et al. **Sov Zdravookhr** 1984;(10):40-2 (Eng. Abstr.) (Rus)

[Methods of mass screening of an organized population] Udod VM, et al. **Sov Zdravookhr** 1985;(3):23-6 (Eng. Abstr.) (Rus)

[Quality of dispensarization of patients with dermatoses in relation to the forms of medical services] Berenbein BA, et al. **Vestn Dermatol Venerol** 1985 May;(5):21-4 (Eng. Abstr.) (Rus)

[A system for the prevention and organization of the control of pyoderma, mycoses and occupational dermatoses in miners of the Don basin] Goriaĭnova LK, et al. **Vestn Dermatol Venerol** 1984 Sep;(9):32-6 (Eng. Abstr.) (Rus)

[Rehabilitation of patients with occupational dermatitis] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):32-5 (Eng. Abstr.) (Rus)

[Nutrition of patients from various dispensary groups at industrial plants] Karpenko PA, et al. **Vrach Delo** 1985 May;(5):106-8 (Eng. Abstr.) (Rus)

[Various approaches to the problem of mass screening in psychiatry] Potapov AI, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1416-7 (Rus)

STANDARDS

The social context of workplace screening. Murray TH. **Hastings Cent Rep** 1984 Oct;14(5):21-3

Aeromedical standards, aircrew health care and aerospace medicine education. Mohler SR. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:53-6

Bioethics and health care in industrial society. Tsuchiya K. **Sangyo Ika Daigaku Zasshi** 1984 Jun 1;6(2):177-91

Identification and control of work-released diseases. Report of a WHO Expert Committee. **WHO Tech Rep Ser** 1985; 714:1-71

[Necessity for roentgen diagnosis in occupational fitness and monitoring studies in the construction industry] Stehle P. **Radiol Diagn (Berl)** 1984;25(4):447-50 (Eng. Abstr.) (Ger)

SUPPLY & DISTRIBUTION

[Current state and means of improving the recreation of non-organized vacationers at Black Sea health resorts of the Caucasus (social and medical aspects)] Romanov NE, et al. **Sov Med** 1984;(9):62-5 (Rus)

TRENDS

Health promotion in the workplace. A prescription for good health. Cohen WS. **Am Psychol** 1985 Feb;40(2):213-6

Three companies encouraged by results of health promotion. Duff JF. **Occup Health Saf** 1984 Sep;53(8):82, 85-6

Occupational health in Japan--the future role of UOEH. McDonald JC. **Sangyo Ika Daigaku Zasshi** 1984 Jun 1; 6(2):209-19

Health care of JASDF pilots. Yagura S. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:15-23

[Occupational medicine for small business. Realizations and perspectives] Pardon N. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):235-40 (Eng. Abstr.) (Fre)

UTILIZATION

An analysis of sickness absence and clinic visits among employees of a company in Kuwait. Sadarangani C. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):423-8

Use of health services by merchant seamen. Kelman HR, et al. **NY State J Med** 1985 Jan;85(1):14-7

[Various problems in the utilization of resources of occupational health services] Włodarczyk C. **Med Pr** 1985; 36(1):63-9 (Eng. Abstr.) (Pol)

OCCUPATIONAL MEDICINE

see related

OCCUPATIONAL DISEASES
OCCUPATIONAL HEALTH SERVICES
PROTECTIVE DEVICES

The use of GC/MS analysis and fungal culturing in a pulp mill industrial hygiene program. Cohn KK, et al. **Am Ind Hyg Assoc J** 1984 Sep;45(9):594-7

1984 Cummings memorial lecture. Recognition, evaluation and control: the acceleration of the process. Fraser DA. **Am Ind Hyg Assoc J** 1984 Sep;45(9):573-6

The measurement of whole body vibration in the workplace. Helmkamp JC, et al. **Am Ind Hyg Assoc J** 1985 Jan; 46(1):15-9

Occupational health in Chinese metallurgical industries: report based on a visit. Goldsmith JR. **Am J Ind Med** 1985; 7(4):353-7

Percutaneous penetration of benzene in hairless mice: an estimate of dermal absorption during tire-building operations. Susten AS, et al. **Am J Ind Med** 1985; 7(4):323-35

An epidemiologic surveillance program for evaluating occupational reproductive hazards. Wong O, et al. **Am J Ind Med** 1985;7(4):295-306

Abnormal bronchoalveolar lavage in asymptomatic dairy farmers. Study of lymphocytes. Cormier Y, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1046-9

Industrial hygiene. Melcher RG, et al. **Anal Chem** 1985 Apr; 57(5):238R-254R (438 ref.)

Epidemiology in occupational health [editorial] Phoon WH. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):283-4

Personal samplers and operators' co-operation: the reality. Williams DJ. **Ann Occup Hyg** 1984;28(4):439-43

Relationship of blood pressure to multiple personal characteristics of workers in a factory. Ohnaka T, et al. **Ann Physiol Anthropol** 1984 Oct;3(4):297-302

The Medical Fee Schedule. Stevenson JL. **Ariz Med** 1984 Nov;41(11):728-9

Alpha 1 antitrypsin and lung function in British coalminers. Boyd JE, et al. **Br J Ind Med** 1984 Nov;41(4):455-8

Accuracy of occupational histories obtained from wives. Coggon D, et al. **Br J Ind Med** 1985 Aug;42(8):563-4

Pulmonary function of London firemen. Douglas DB, et al. **Br J Ind Med** 1985 Jan;42(1):55-8

Lung function, atopy, specific hypersensitivity, and smoking of workers in the enzyme detergent industry over 11 years. Flood DF, et al. **Br J Ind Med** 1985 Jan;42(1):43-50

n-Hexane metabolism in occupationally exposed workers. Mutti A, et al. **Br J Ind Med** 1984 Nov;41(4):533-8

Partition coefficients of some industrial aliphatic hydrocarbons (C5-C7) in blood and human tissues. Perbellini L, et al. **Br J Ind Med** 1985 Mar;42(3):162-7

Cytogenetic, immunological, and haematological effects in workers in an ethylene oxide manufacturing plant. Van Sittert NJ, et al. **Br J Ind Med** 1985 Jan;42(1):19-26

Effect of commercial diving on ventilatory function. Watt SJ. **Br J Ind Med** 1985 Jan;42(1):59-62

AIDS and the health professions [letter] **Br Med J [Clin Res]** 1985 Mar 16;290(6471):852-4

Chronobiology and shift work: current issues and trends. Folkard S, et al. **Chronobiologia** 1985 Jan-Mar;12(1):31-54 (94 ref.)

Recommendations for the safe use of NMR equipment. Bernhardt JH, et al. **Clin Phys Physiol Meas** 1985 Feb; 6(1):65-74

A National Institute of Occupational Health and Safety. Ferguson D. **Community Health Stud** 1984;8(3 Suppl):15-21

Review of the use of routine statistical sources for the detection of occupational health surveillance with particular reference to the UK and Scandinavia. Fox AJ, et al. **Community Health Stud** 1984;8(3 Suppl):28-37

A National Institute of Occupational Health and Safety. Gun R. **Community Health Stud** 1984;8(3 Suppl):3-7

A National Institute of Occupational Health and Safety: some comments. Mathews J. **Community Health Stud** 1984;8(3 Suppl):8-11

A National Institute of Occupational Health and Safety. Menz J. **Community Health Stud** 1984;8(3 Suppl):12-4

Regulatory practices for health and safety at work. Refshauge C. **Community Health Stud** 1984;8(3 Suppl):22-7

Proposals for epidemiological surveillance of occupational health in Australia. Roder D. **Community Health Stud** 1984; 8(3 Suppl):38-44

Medical surveillance of exposed persons after exposure to PCBs, chlorinated dibenzodioxins and dibenzofurans after PCB transformer or capacitor incidents. Schecter A. **Environ Health Perspect** 1985 May;60:333-8

Increased hair cadmium in newborns of women occupationally exposed to heavy metals. Huel G, et al. **Environ Res** 1984 Oct;35(1):115-21

Epidemiological-environmental study of lead acid battery workers. I. Environmental study of five lead acid battery plants. Jones W, et al. **Environ Res** 1984 Oct;35(1):1-10

Software ergonomics: effects of computer application design parameters on operator task performance and health. Turner JA, et al. **Ergonomics** 1984 Jun;27(6):663-90 (81 ref.)

Reduction of isometric muscle endurance after wearing impermeable gas protective clothing. Smolander J, et al. **Eur J Applied Physiol** 1984;53(1):76-80

A cotton dust study unmasked. Levine C. **Hastings Cent Rep** 1984 Aug;14(4):17

The new OSHA rules and the worker's right to know. McGarity TO. **Hastings Cent Rep** 1984 Aug;14(4):38-45

Mortality among workers at the Pantex weapons facility. Acquavella JF, et al. **Health Phys** 1985 Jun;48(6):735-46

The metabolism of 3H compounds and limits for intakes by workers. Balonov MI, et al. **Health Phys** 1984 Nov; 47(5):761-73

Utility of excretion data for estimation of 147Pm body burdens of dial painters [letter] Dunlap JH. **Health Phys** 1984 Aug;47(2):324-8

Radiation exposure risks to nuclear well loggers. Fujimoto K, et al. **Health Phys** 1985 Apr;48(4):437-45

The distribution of a pulsed very low frequency electric field around video display terminals. Marha K, et al. **Health Phys** 1985 Sep;49(3):517-21

Digital monitoring system for a radioisotope laboratory using a personal computer. Nishizawa K, et al. **Health Phys** 1985 Jul;49(1):88-91

Pattern of scattered exposure from portable radiographs. North D. **Health Phys** 1985 Jul;49(1):92-3

Inhalation of U aerosols from UO2 fuel element fabrication. Schieferdecker H, et al. **Health Phys** 1985 Jan;48(1):29-48

The effects of sera from Ra dial painters on the mitogenic responses of normal human lymphocytes. Serio CS, et al. **Health Phys** 1984 Aug;47(2):309-13

Contamination from therapeutic 131I capsules. Shearer DR, et al. **Health Phys** 1985 Jul;49(1):81-3

Thyroid burdens of 125I in laboratory workers [letter] Smith T, et al. **Health Phys** 1985 Jun;48(6):813-4

Projected whole-body career doses for radiation workers in Canada. Sont WN, et al. **Health Phys** 1984 Nov; 47(5):693-700

Excretion of 35S from two contaminated workers. Spate VL, et al. **Health Phys** 1985 Jul;49(1):84-7

Occupational radiation exposures in Taiwan, 1962-1983. Weng PS, et al. **Health Phys** 1985 Sep;49(3):411-8

Chromosome studies in plutonium workers. Tawn EJ, et al. **Int J Radiat Biol** 1985 May;47(5):599-610

Drugs in the workplace. Cohen S. **J Clin Psychiatry** 1984 Dec;45(12 Pt 2):4-8

Occupational medicine: a challenge to comprehensive medical care [editorial] DeLain E. **J Natl Med Assoc** 1984 Nov;76(11):1061-2

Nuclear medicine procedures in nuclear power plant employees [letter] Brill DR, et al. **J Nucl Med** 1985 Jul; 26(7):817-8

Cross-sectional vs longitudinal studies in reproductive hazard investigations [letter] Austin SG. **J Occup Med** 1985 Apr; 27(4):237-40

Evaluation of hazards from mixtures of chemicals in the occupational environment. Ballantyne B. **J Occup Med** 1985 Feb;27(2):85-94 (61 ref.)

The legal liability of the occupational health professional. Billauer BP. **J Occup Med** 1985 Mar;27(3):185-8

A subject index for occupational medical literature. Brown WD. **J Occup Med** 1984 Sep;26(9):683-4

Occupational medicine residency program at NIOSH [letter] Lichty PD, et al. **J Occup Med** 1984 Oct;26(10):702, 709

Occupational medicine in Germany. Engel H. **J Soc Occup Med** 1985 Feb;35(1):14-6

Microcomputers in occupational medicine: are they of any value? Grogan JB. **J Soc Occup Med** 1985 May;35(2):68-70

Records and the occupational physician. Munn A. **J Soc Occup Med** 1984 Nov;34(4):105-7

Genetic toxicology testing of 41 industrial chemicals. Dean BJ, et al. **Mutat Res** 1985 Jan-Mar;153(1-2):57-77

Dangers for pregnant women in the work place. Curran WJ. **N Engl J Med** 1985 Jan 17;312(3):164-5

The right to know about toxic exposures. Implications for physicians. Himmelstein JS, et al. **N Engl J Med** 1985 Mar 14;312(11):687-90

Chemical handling training aided by MSDS information chart. Carriere R. **Occup Health Saf** 1985 Mar;54(3):36-9

New role for physicians evolves from health team concept. Felton JS. **Occup Health Saf** 1985 Mar;54(3):52-4, 58-9

Health team has special challenge when employees face death or illness. Kurt TL. **Occup Health Saf** 1985 Apr;54(4):76

Audiometric testing: review of audiograms and worker referral. Morrill JC. **Occup Health Saf** 1984 Oct;53(9):64-7

Industrial medical experience in the Kiunga Medical Base. Paika R. **Papua New Guinea Med J** 1984 Mar;27(1):40-1

Occupational health and the general practitioner. Dickinson KG. **Practitioner** 1985 Jun;229(1404):519-23

The offshore worker. Elliott DH. **Practitioner** 1985 Jun; 229(1404):565-71

Organization of the Second UOEH International Symposium on Epidemiology in Occupational Medicine. October 24-25,1982, the University of Occupational and Environmental Health, Japan. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:1-265

The utility and application of epidemiology for occupational physicians. Kraus J, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:227-33 (10 ref.)

Overview and perspective of occupational health from the international viewpoint. Murray R. **Sangyo Ika Daigaku Zasshi** 1983 Dec 1;5(4):509-18

Overview of occupational epidemiology: issues/dilemmas. Newill VA. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:15-28

Studies in occupational epidemiology: the case for international collaboration. Saracci R. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:207-14

Epidemiology in occupational medicine. Stallones RA. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:7-14

Epidemiology and occupational health information system. Tabershaw IR. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20; 5 Suppl:29-34

The identification of hepatic injury and hepatic angiosarcoma among vinyl chloride workers--the epidemiological approach. Tamburro CH, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 20;5 Suppl:37-48

Confounding by variable smoking habits in different occupational groups. Asp S. **Scand J Work Environ Health** 1984 Oct;10(5):325-6

Assessing the possible extent of confounding in occupational case-referent studies. Checkoway H, et al. **Scand J Work Environ Health** 1985 Apr;11(2):131-3

Analysis of asbestos fibers and asbestos bodies in tissue samples from human lung. An international interlaboratory trial. Gylseth B, et al. **Scand J Work Environ Health** 1985 Apr;11(2):107-10

1984 and occupational health in developing countries. Jeyaratnam J. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):229-34

Man-made mineral fiber size fractions and their interrelation. Schneider T, et al. **Scand J Work Environ Health** 1985 Apr;11(2):117-22

Circadian rhythms in peak expiratory flow rate in workers exposed to cotton dust. Cinkotai FF, et al. **Thorax** 1984 Oct;39(10):759-65

Study of lung function data by principal components analysis. Cowie H, et al. **Thorax** 1985 Jun;40(6):438-43

[Sir Richard Doll (interviewed by O. K. Harlem). Doll R. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2429-32

Outline of medical standards for divers. Hickey DD. **Undersea Biomed Res** 1984 Dec;11(4):407-32

[Problems in occupational medicine in Malta] Kasal J. **Cesk Zdrav** 1985 Feb;33(2):76-82 (Eng. Abstr.) **(Cze)**

[The possible mutagenic effect of cytostatics on nurses at an oncologic department (letter)] Larsen H, et al. **Ugeskr Laeger** 1984 Oct 8;146(41):3135-7 **(Dan)**

[Analysis of complicated indoor environmental climates. Illustrated by a concrete case under the Danish Labor Inspection Service] Laursen P, et al. **Ugeskr Laeger** 1985 Mar 4;147(10):897-901 (Eng. Abstr.) **(Dan)**

[Physician's notification of occupational injuries. II. Notification system] Olesen EP. **Ugeskr Laeger** 1984 Jun 4;146(23):1745-9 (Eng. Abstr.) **(Dan)**

[The physician's notification of occupational injuries. I. Legislation] Olesen EP. **Ugeskr Laeger** 1984 May 28; 146(22):1653-6 (Eng. Abstr.) **(Dan)**

[Aeronautical industrial medicine and visual acuity in low luminosity] Peyresbianques J, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul;84(6-7):839-40 **(Fre)**

[What should be done in the presence of isolated microscopic hematuria in man in the work environment?] Vallancien G, et al. **Presse Med** 1985 Jun 8;14(23):1279-81 (Eng. Abstr.) **(Fre)**

[Occupational medical problems of women in a social medical assessment--II] Vetter L. **Off Gesundheitswes** 1985 Jun; 47(6):258-60 **(Ger)**

[Radiation dosage to personnel occupationally exposed to radiation during roentgen diagnosis] Rothe W. **Radiol Diagn** (Berl) 1984;25(4):487-91 (Eng. Abstr.) **(Ger)**

[Roentgen studies in occupational fitness and monitoring examinations and in other preventive examinations] Schmidt G. **Radiol Diagn** (Berl) 1984;25(4):441-6 (Eng. Abstr.) **(Ger)**

[Physiological effects of needle guns on the hand-arm system] Baumgartner S, et al. **Soz Praventivmed** 1984;29(4-5):194-5 (Eng. Abstr.) **(Ger)**

[Consequences of presbyopia for the dynamics of sight and work at a terminal] Krueger H. **Soz Praventivmed** 1984; 29(4-5):190-1 (Eng. Abstr.) **(Ger)**

[Mortality among workers in a tannery] Puntoni R, et al. **Med Lav** 1984 Nov-Dec;75(6):471-7 (Eng. Abstr.) **(Ita)**

[Total fitness for the workers in highly industrialized countries from the standpoint of occupational medicine] Aoyama H. **Ann Physiol Anthropol** 1984 Oct;3(4):337-9 **(Jpn)**

[Mental work load on VDT operation under a self-paced working condition--a case of programmers using VDT] Hasegawa T, et al. **Ann Physiol Anthropol** 1984 Oct; 3(4):311-7 (Eng. Abstr.) **(Jpn)**

[Office automation work and health care] Hashida M. **Ann Physiol Anthropol** 1984 Oct;3(4):357-9 **(Jpn)**

[Health fitness program at Osaka Gas] Okada K. **Ann Physiol Anthropol** 1984 Oct;3(4):340-2 **(Jpn)**

[Some problems of health and work load with office mechanization] Onishi N. **Ann Physiol Anthropol** 1984 Oct; 3(4):354-6 **(Jpn)**

[Research on the physical fitness, a viewpoint of minor enterprises] Ueya E. **Ann Physiol Anthropol** 1984 Oct; 3(4):343-5 **(Jpn)**

[An evaluation of the relationship between fatigue and intake of alcohols on the adult workers (I)--Analysis by inquiries and examinations] Akamatsu T, et al. **Arukoru Kenkyuto Yakubutsu Izon** 1984 Jun;19(2):107-17 (Eng. Abstr.) **(Jpn)**

[Alcohol drinking patterns among members of the self-defence fire brigade in Yokohama City] Mori T, et al. **Arukoru Kenkyuto Yakubutsu Izon** 1984 Jun; 19(2):118-23 (Eng. Abstr.) **(Jpn)**

[An analysis of medical certificate data regarding absenteeism due to injuries and sickness] Matsui K. **Nippon Eiseigaku Zasshi** 1984 Aug;39(3):621-32 (Eng. Abstr.) **(Jpn)**

[Recommendations of maximum permissible exposure level (1984), made by Japanese Society of Industrial Health] **Sangyo Igaku** 1984 Jul;26(4):339-64 **(Jpn)**

[Proceedings of the 57th annual meeting of the Japan Association of Industrial Health. Abstracts] **Sangyo Igaku** 1984 Dec;26(7):574-785 **(Jpn)**

[Assessment of high-temperature working conditions] Kondo M, et al. **Sangyo Igaku** 1984 Mar;26(2):180-1 **(Jpn)**

[Observations on mortality in selected working populations] Nakamura K, et al. **Sangyo Igaku** 1984 Jul;26(4):303-14 (Eng. Abstr.) **(Jpn)**

[2d symposium of the University of Occupational and Environmental Health. 20 October 1984, Kitakyushu, Japan. Abstracts] **Sangyo Ika Daigaku Zasshi** 1985 Mar 1; 7(1):113-37 **(Jpn)**

[Health problems in agriculture] Almås R, et al. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2469-72 **(Nor)**

[Unemployment and health] Bakken O. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2440-2 **(Nor)**

[The transportation industry] Borge A, et al. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2477-82 **(Nor)**

[To be a sailor--an occupation and a life style in change] Brochmann JH, et al. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2443-8 **(Nor)**

[The role of primary health care] Bruusgaard D. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2514-5 **(Nor)**

[Do fishermen often suffer from illness? Health problems in fishermen] Fugelli P, et al. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2465-8 **(Nor)**

[The occupational environment in the metallurgic and mechanical industries] Gylseth b, et al. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2488-90, 2476 **(Nor)**

[Health conditions in the mining industry] Hanoa R. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2492-6 **(Nor)**

[Health services in offshore petroleum industries. Problems and challenges] Hanoa R. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2461-4 **(Nor)**

[Health and occupational environment in connection with petroleum activities at sea] Hellesøy OH. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2450-60 **(Nor)**

[Work as a health factor] Larsen O. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2433-9 **(Nor)**

[Plastics and painting] Norseth T. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2491-2 **(Nor)**

[Health problems in industry] Norseth T, et al. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2483-5 **(Nor)**

[Technological development and health problems in offices and commercial business] Sjølyst RA. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2497-9 **(Nor)**

[Visual display terminals and health] Tjønn HH. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2499-501 **(Nor)**

[Health education. Work, health, security, comfort and quality of life] Vellar OD, et al. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2507-9, 2529 **(Nor)**

[Occupational environment and health status of lumberjacks] Vik T, et al. **Tidsskr Nor Laegeforen** 1984 Dec 20; 104(35-36):2473-6 **(Nor)**

[Changes in coronary disease risk factors in men employed in the quicklime-processing industry after 5 years' implementation of the coronary disease prevention program] Jasiński K, et al. **Kardiol Pol** 1984;27(6):467-73 (Eng. Abstr.) **(Pol)**

[Activity of various urinary enzymes in workers engaged in the production of polychlorinated pesticides] Kossmann S, et al. **Med Pr** 1984;35(6):403-7 (Eng. Abstr.) **(Pol)**

[Nutritional status of workers in selected departments of the Bełchatow Industrial Region] Seneczko F, et al. **Med Pr** 1984;35(4):297-304 (Eng. Abstr.) **(Pol)**

[Changes in the incidence and structure of absenteeism due to illness in Poland 1970-1982] Szubert Z, et al. **Med Pr** 1984;35(3):237-43 (Eng. Abstr.) **(Pol)**

[Evaluation of the effect of occupational physical activity on selected coronary disease risk factors using multivariate analysis of variance] Kupść W, et al. **Przegl Epidemiol** 1984; 38(4):389-97 (Eng. Abstr.) **(Pol)**

[Evaluation of 100 radiographs in a medical department of a plant in Greater São Paulo] Teixeira WR, et al. **Rev Paul Med** 1985 Jan-Feb;103(1):41-3 (Eng. Abstr.) **(Por)**

[Age-related characteristics of cardiac rhythm in persons with different degrees of adaptation to the environment] Baevskiĭ RM, et al. **Fiziol Cheloveka** 1985 Mar-Apr; 11(2):208-12 **(Rus)**

[Analysis of additional informative signs in the peripheral pulse for the evaluation of the functional state of human operators] Desova AA, et al. **Fiziol Cheloveka** 1985 Mar-Apr;11(2):192-200 **(Rus)**

[Effect of monotonous muscular activity on body function] Tkhorevskiĭ VI, et al. **Fiziol Cheloveka** 1985 Mar-Apr; 11(2):280-5 **(Rus)**

[Physiological and hygienic evaluation of the training system for adolescents in an educational and industrial combine] Aksianova EA. **Gig Sanit** 1985 Mar;(3):32-4 (Eng. Abstr.) **(Rus)**

[Experimental study of the toxicity of nitric oxide] Borisova LB, et al. **Gig Sanit** 1985 Apr;(4):89-90 **(Rus)**

[Working conditions and age-related changes in work capacity] Buzunov VA. **Gig Sanit** 1985 Apr;(4):38-41 (Eng. Abstr.) **(Rus)**

[Social-hygienic aspects of working, living and nutritional conditions of railroad locomotive workers] Demirskaia LN. **Gig Sanit** 1985 Apr;(4):73-4 **(Rus)**

[Hygienic evaluation of air deozonization] Dmitriev MT, et al. **Gig Sanit** 1985 Feb;(2):12-4 (Eng. Abstr.) **(Rus)**

[Occupational health in the principal chemico-pharmaceutical enterprises] Dzhezhev A, et al. **Gig Sanit** 1984 Sep;(9):71-4 **(Rus)**

[Hygienic classification of industrial sources of optic radiation] Gvozdenko LA. **Gig Sanit** 1984 Jul;(7):9-12 (Eng. Abstr.) **(Rus)**

[Replacing the carcinogenic agent benzidine with a safe reagent for sanitary control] Iogannsen MG. **Gig Sanit** 1985 May;(5):75-7 **(Rus)**

[Analysis of para-tert-butylphenol, phenol and diphenylpropane] Khusnutdinova RG, et al. **Gig Sanit** 1985 Jan;(1):64-5 **(Rus)**

[Mathematico-statistical method of evaluating the effect of individual factors on the morbidity rate] Khvastunov RM. **Gig Sanit** 1984 Sep;(9):77-80 **(Rus)**

[Psychophysiological criteria of the occupational suitability of adolescents for gas-arc welding] Kispaev TA. **Gig Sanit** 1985 May;(5):27-30 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of nutrition, metabolism and health status of miners of the Kansk-Achinsk fuel and energy complex] Krasnopevtsev VM, et al. **Gig Sanit** 1984 Dec; (12):62-4 **(Rus)**

[Toxicological characteristics of acetylanisole] Makaruk MI, et al. **Gig Sanit** 1985 Apr;(4):86-7 **(Rus)**

[Working conditions and physiological reactions of adolescent machine operators during primary cotton cultivation] Mamedov KM, et al. **Gig Sanit** 1984 Dec; (12):65-7 **(Rus)**

[Working conditions and physical work capacity of adolescent machine operators during the corn harvest in hot climate] Mamedov KM, et al. **Gig Sanit** 1985 Feb; (2):90-2 **(Rus)**

[Comparative hygienic evaluation of working conditions of dairy workers at animal husbandry farms with different levels of mechanization of major technological processes] Nikolov SKh, et al. **Gig Sanit** 1984 Aug;(8):22-4 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the responses of the bodies of young men and women to exposure to occupational factors in textile plants] Rodionova TA. **Gig Sanit** 1984 Jul;(7):22-5 (Eng. Abstr.) **(Rus)**

[Energy metabolism and actual diet of female textile workers] Rodnikov AV, et al. **Gig Sanit** 1985 Feb;(2):80-2 **(Rus)**

[Working conditions and workers' health in using pesticides in sheltered soil] Zolotnikova GP, et al. **Gig Sanit** 1985 Feb;(2):17-20 (Eng. Abstr.) **(Rus)**

[Prospects for the sanitary improvement of the working conditions for wheel excavator operators at the Kansk-Achinsk Fuel and Power Complex] Abramov VL, et al. **Gig Tr Prof Zabol** 1985 May;(5):50 **(Rus)**

[Hygienic evaluation of working conditions and indices of the physiological functions of the body in vegetable growers] Akhmedov SG. **Gig Tr Prof Zabol** 1984 Sep; (9):7-11 (Eng. Abstr.) **(Rus)**

[Prevention of noise in the lumber industry] Andosov IuM, et al. **Gig Tr Prof Zabol** 1984 Oct;(10):45-6 **(Rus)**

[Physiological hygienic evaluation of the working conditions of workers repairing the gas scrubbers in an aluminum plant] Babaev AB, et al. **Gig Tr Prof Zabol** 1984 Jul; (7):37-40 **(Rus)**

[Method of quantitative analysis of pesticide mixtures of various chemical natures in the urine] Belashova IG, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):56-8 **(Rus)**

[Effect of personality traits of workers on the degree of their adaptation to a work situation involving conveyer production] Beliaev VN. **Gig Tr Prof Zabol** 1985 Jun; (6):48-50 **(Rus)**

[Evaluation of the health status of various professional groups based on the activity of the regulatory systems] Brodiagin NA, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):33-7 (Eng. Abstr.) **(Rus)**

[Complex measures for improving working conditions in the foundry of the Moscow 'Vodopribor' plant] Bulanova NK, et al. **Gig Tr Prof Zabol** 1984 Aug;(8):46 **(Rus)**

[Vocational rehabilitation as a problem in industrial physiology and hygiene] Donskaia LV, et al. **Gig Tr Prof Zabol** 1985 Mar;(3):15-9 (Eng. Abstr.) **(Rus)**

[Functional state of man during monotonous activity with varying physical loads] Gambashidze GM, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):5-9 (Eng. Abstr.) **(Rus)**

[Method of operative control of the work capacity of man] Gosudarev NA, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):22-5 **(Rus)**

[Characteristics of the working conditions and of the body function of rice growers in mechanized rice harvesting] Izmailova GD, et al. **Gig Tr Prof Zabol** 1984 Sep;(9):4-7 (Eng. Abstr.) **(Rus)**

[Effectiveness of sanitary improvement measures introduced in the sheet-rolling shop of the Karaganda Metallurgical Plant] Kabaev ShK, et al. **Gig Tr Prof Zabol** 1985 Jan;(1):48-50 **(Rus)**

[Effect of vibration and noise on the functional state of an operator] Kamenskiĭ IuN. **Gig Tr Prof Zabol** 1984 Oct;(10):38-9 **(Rus)**

[Industrial hygiene in the production shops of today's coke chemical industry] Kapitul'skiĭ VB. **Gig Tr Prof Zabol** 1984 Jul;(7):6-11 (Eng. Abstr.) **(Rus)**

[Physiological basis for the standard number of workers servicing metallurgy equipment] Lebed' AP, et al. **Gig Tr Prof Zabol** 1985 Jan;(1):43-5 **(Rus)**

[Basis for the sanitary standard for ricid-II in the air of the working place] Manenko AK, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):52-3 **(Rus)**

[Chromatographic method of determining the content of liquid gas constituents in the air of industrial establishments] Maslovska Ia, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):17-20 **(Rus)**

[Prospects for the hygienic improvement of tractors and self-propelled agricultural machinery] Men'shov AA, et al. **Gig Tr Prof Zabol** 1984 Sep;(9):17-20 (Eng. Abstr.) **(Rus)**

[Physiologo-hygienic characteristics of arc-welders in modern pipe arc-welding plants] Morgacheva VN, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):8-11 (Eng. Abstr.) **(Rus)**

[Industrial hygiene problems in the manufacture of coating sheets from the wastes of picture tube production] Nikolashin VI, et al. **Gig Tr Prof Zabol** 1984 Sep;(9):49-50 **(Rus)**

[Body function and the work quality of operators of power-generating units during work of varying intensity] Pal'tsev IuP, et al. **Gig Tr Prof Zabol** 1984 Aug;(8):37-42 (Eng. Abstr.) **(Rus)**

[Methods of quantitative assessment of the entry of toxic substances into the body of workers by inhalation (using lead compounds as an example)] Pavlovskaia NA, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):29-32 (Eng. Abstr.) **(Rus)**

[Achievements and perspectives of occupational hygiene in the railroad transport industry] Prokhorov AA. **Gig Tr Prof Zabol** 1984 Aug;(8):5-9 **(Rus)**

[Efficacy of using Kimbarovskiĭ's urine color sedimentation reaction in industrial hygiene research] Reznik VL, et al. **Gig Tr Prof Zabol** 1984 Jul;(7):44-5 **(Rus)**

[Health and hygiene assessment of the process for manufacturing cast forms from organic liquid self-hardening mixtures] Rogatnev PI, et al. **Gig Tr Prof Zabol** 1985 Jan;(1):50-1 **(Rus)**

[Optimization of working conditions in viticulture grafting workshops] Rud' GG, et al. **Gig Tr Prof Zabol** 1984 Sep;(9):11-4 (Eng. Abstr.) **(Rus)**

[Comparative physiological and hygienic evaluation of working conditions for workers engaged in manual and mechanical weaving] Slavinskaia NV, et al. **Gig Tr Prof Zabol** 1985 Jan;(1):45-7 **(Rus)**

[Clinico-hygienic basis for improving the working and living conditions of geologists-geophysicists] Sokolina LL, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):35-9 (Eng. Abstr.) **(Rus)**

[Role of the industrial hygiene physician in the activities of a medical engineering team] Trubitsyn AP, et al. **Gig Tr Prof Zabol** 1985 May;(5):41-2 **(Rus)**

[Role of mental work in man's tolerance to whole-body vibration] Kamenskiĭ IuN. **Kosm Biol Aviakosm Med** 1984 Nov-Dec;18(6):37-40 (Eng. Abstr.) **(Rus)**

[Radiation safety during work on the ANET-V therapeutic apparatus with 252Cf sources] Chekhonadskiĭ VN, et al. **Med Radiol (Mosk)** 1985 Mar;30(3):48-52 (Eng. Abstr.) **(Rus)**

[Social hygienic aspects of industrial production in relation to the scientific-technological revolution] Beliaeva GG. **Sov Zdravookhr** 1984;(12):14-8 **(Rus)**

[Role of the 'health shop' in further reducing sick leave and increasing productivity] Braga GF, et al. **Sov Zdravookhr** 1984;(10):22-5 (Eng. Abstr.) **(Rus)**

[Temporary disability in hypertension among rolling mill workers in a metallurgical plant] Skoromets NM, et al. **Sov Zdravookhr** 1984;(11):16-20 **(Rus)**

[Actual nutrition and various indicators of the nutritional status of workers in the watch-making industry] Khotimchenko SA, et al. **Vopr Pitan** 1984 Jul-Aug;(4):23-5 **(Rus)**

[Effect of the type of nutrition on cyclic nucleotide metabolism in workers in the phosphate industry] Mamyrbaev AA. **Vopr Pitan** 1985 Mar-Apr;(2):32-6 **(Rus)**

[Energy requirement of miners working in modern, highly mechanized coal mines] Pichkhadze GM, et al. **Vopr Pitan** 1985 Mar-Apr;(2):30-2 (Eng. Abstr.) **(Rus)**

[Hygienic features of the work of electronics industry workers and ways of improving them] Datsenko II, et al. **Vrach Delo** 1984 Dec;(12):91-4 (Eng. Abstr.) **(Rus)**

[Cytological characteristics of surgical wound healing in miners] Kovalenko IV, et al. **Vrach Delo** 1985 May;(5):103-6 (Eng. Abstr.) **(Rus)**

[Why biological 'monitoring'?] Beritić T. **Arh Hig Rada Toksikol** 1984 Mar;35(1):51-5 **(Ser)**

[Occupational health and job-related risks] Badia Montalvo R. **Bol Of Sanit Panam** 1985 Jan;98(1):20-33 (Eng. Abstr.) **(Spa)**

EDUCATION

The accreditation of academic programs in industrial hygiene. Cudworth AL, et al. **Am Ind Hyg Assoc J** 1984 Oct;45(10):A6-8

The teaching of occupational health in United States medical schools: five-year follow-up of an initial survey. Levy BS. **Am J Public Health** 1985 Jan;75(1):79-80

Training in occupational medicine in the Royal Navy--a personal view. Wright DS. **J R Nav Med Serv** 1985 Spring;71(1):9-14

Universities can interest students in benefits of occupational medicine [editorial] Strasser AL. **Occup Health Saf** 1985 Aug;54(8):30

[Postgraduate education of occupational health in U.K. and U.S.A.] Kodama Y, et al. **Sangyo Ika Daigaku Zasshi** 1983 Dec 1;5(4):469-80 (Eng. Abstr.) **(Jpn)**

[Education in occupational medicine] Norseth T. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2510-1 **(Nor)**

[Becoming an industrial hygiene physician] Retnev VM. **Gig Tr Prof Zabol** 1984 Jul;(7):51-2 **(Rus)**

[Advanced training of factory physicians in the organization and application of therapeutico-preventive measures in occupational hygiene] Retnev VM, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):46-7 **(Rus)**

[Forms and methods of increasing physicians' qualifications in disability evaluation] Korchagina VG, et al. **Sov Zdravookhr** 1984;(9):40-2 **(Rus)**

HISTORY

1984 Yant Memorial Lecture. A history of industrial hygiene. Luxon SG. **Am Ind Hyg Assoc J** 1984 Nov;45(11):731-9

Landmark article in occupational medicine. Forty years in the poisonous trades. American Industrial Hygiene Association Quarterly, April 1948. By Alice Hamilton. **Am J Ind Med** 1985;7(1):3-18

Twenty-five years of behavioral toxicology within occupational medicine: a personal account. Hänninen H. **Am J Ind Med** 1985;7(1):19-30

A short historical note on the Conjoint DIH. Archibald RM. **J Soc Occup Med** 1984 Aug;34(3):80

[Activities of the Department of Occupational Medicine of the Lublin Branch of the Warsaw Society of Hygiene 1903-1905] Kowieski L. **Arch Hist Med (Warsz)** 1984;47(3):429-31 (Eng. Abstr.) **(Pol)**

[Activities of work inspectors with regard to industrial safety and hygiene in Łódź in the IId Republic] Sadowska J. **Arch Hist Med (Warsz)** 1984;47(3):439-42 (Eng. Abstr.) **(Pol)**

[Contribution of Prof. Leon Cholewa to epidemiological research in Cracow] Jedrychowski W. **Przegl Lek** 1984;41(7):475-6 **(Pol)**

[Prof. Leon Cholewa and occupational medicine] Kieć E. **Przegl Lek** 1984;41(7):465-6 **(Pol)**

[Current problems of occupational pathology during World War II] Ashbel' SI. **Gig Tr Prof Zabol** 1985 May;(5):11-6 **(Rus)**

[Research institutes in industrial hygiene and occupational diseases in the USSR in the 20's and 30's (on the 60th anniversary of the organization of the first institute)] Idel'chik KhI. **Gig Tr Prof Zabol** 1984 Sep;(9):30-2 **(Rus)**

[Industrial hygienists at the fronts in World War II] Kagan MI, et al. **Gig Tr Prof Zabol** 1985 May;(5):3-6 **(Rus)**

[Industrial health inspection in Moscow during World War II] Tsessarskiĭ AV. **Gig Tr Prof Zabol** 1985 May;(5):10-1 **(Rus)**

[Occupational medicine during World War II] Vorontsova EI. **Gig Tr Prof Zabol** 1985 Feb;(2):1-7 **(Rus)**

[Medical workers' trade union in occupational health care in the Bashkir ASSR in the 1930s and 1950s] Ibragimov NG. **Sov Zdravookhr** 1985;(4):60-2 **(Rus)**

[Contribution of I.V. Beliaev to the organization of sanitary engineering in the Don Basin] Sivolob NI. **Sov Zdravookhr** 1984;(5):65-7 **(Rus)**

[Samara Bolsheviks' struggle for workers' health protection 1921-1922] Stegunin SI, et al. **Sov Zdravookhr** 1984;(5):61-4 **(Rus)**

INSTRUMENTATION

Field comparison between two nitrous oxide (N2O) passive monitors and conventional sampling methods. Bishop EC, et al. **Am Ind Hyg Assoc J** 1984 Dec;45(12):812-6

Three-dimensional dynamic strength measuring device: a prototype. Mital A, et al. **Am Ind Hyg Assoc J** 1984 Dec;45(12):B9-10, B12

[Proposal for a new method of thermal desorption of solvents from passive personal samplers] Perbellini L. **G Ital Med Lav** 1983 Jul;5(4):159-64 (Eng. Abstr.) **(Ita)**

[Use of passive personal samplers in industrial hygiene] Pozzoli L, et al. **G Ital Med Lav** 1983 Jul;5(4):145-51 (Eng. Abstr.) **(Ita)**

[Device for determining the spatial coordination of arm movements] Kutsenko GI, et al. **Gig Sanit** 1984 Sep;(9):49-51 **(Rus)**

[An electroconductometric gas analyzer] Gushin VI. **Gig Tr Prof Zabol** 1984 Oct;(10):57-9 **(Rus)**

METHODS

Innovative modifications to the Delves cup blood-lead analysis procedure. Taylor YP. **Am Ind Hyg Assoc J** 1984 Dec;45(12):B12, B14, B16

Biological monitoring: the employer's dilemma. Miller FH. **Am J Law Med** 1984 Winter;9(4):387-426

Biological monitoring of workers exposed to 4,4'-methylenebis (2-chloroaniline) (MBOCA). Thomas JD, et al. **Br J Ind Med** 1984 Nov;41(4):547-51

[Validity of biological tests for the surveillance of exposed workers] Bertazzi PA. **Med Lav** 1984 Jul-Aug;75(4):264-74 (Eng. Abstr.) **(Ita)**

STANDARDS

One simple set of regulations [editorial] Lee WR. **Br J Ind Med** 1985 May;42(5):289-90

Development of a standardized pulmonary function evaluation program in industry. Townsend MC, et al. **J Occup Med** 1984 Sep;26(9):657-61

Company doctors: standards of care and legitimacy: a case study from Canada. Walters V. **Soc Sci Med** 1984;19(8):811-21

[A personal sampling and an area sampling--exposure concentration and environmental concentration] Tanaka I, et al. **Sangyo Ika Daigaku Zasshi** 1985 Jun 1;7(2):207-11 (Eng. Abstr.) **(Jpn)**

[Evaluation of maximum permissible intensity of electromagnetic fields] Mikolajczyk H. **Med Pr** 1984;35(6):427-34 (14 ref.) (Eng. Abstr.) **(Pol)**

[Method of hygienic evaluation of the microclimate in motor vehicles] Deviatka DG, et al. **Gig Sanit** 1985 Jan;(1):60-2 **(Rus)**

[Elaboration of a model of maximum permissible levels of emissions for chemical industrial plants] Ivanov II, et al. **Gig Sanit** 1985 Feb;(2):63-5 **(Rus)**

[Substantiation of measures for improving working conditions of postal workers] Kuchma VR. **Gig Sanit** 1984 Dec;(12):57-9 **(Rus)**

[Problems of hygienic standardization of maximum permissible levels of skin contamination with chemical substances] Kundiev IuI, et al. **Gig Sanit** 1985 Feb;(2):6-9 (Eng. Abstr.) **(Rus)**

[Evaluation of the degree of pollution in work areas by measuring the amounts of harmful substances] Pankov AK, et al. **Gig Sanit** 1985 Feb;(2):44-6 **(Rus)**

[Hygienic characteristics of lighting in compartments without windows] Sosnova TL, et al. **Gig Sanit** 1985 Jan;(1):28-30 (Eng. Abstr.) **(Rus)**

[Toxicity of zinc sulfide and selenate and working conditions in their processing] Spiridonova VS, et al. **Gig Sanit** 1985 Feb;(2):74 **(Rus)**

[Basic hygienic requirements for using purified sewage water in the cooling systems of industrial plants] Tsyganovskaia LKh, et al. **Gig Sanit** 1985 Feb;(2):14-7 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of dust factors during the handling of raw materials in the copper-processing industry] Borisov AA. **Gig Tr Prof Zabol** 1985 Feb;(2):42-6 (Eng. Abstr.) **(Rus)**

[Dose of vibration and methods for its determination] Denisov EI. **Gig Tr Prof Zabol** 1985 Feb;(2):19-22 (Eng. Abstr.) **(Rus)**

[Determination of maximum permissible exposure levels for polyvinyl chloride combustion products] Eltingon AI, et al. **Gig Tr Prof Zabol** 1984 Aug;(8):52-4 **(Rus)**

[Organization of preventive sanitary control and elaboration of technical standards for the documentation of new technological processes, equipment, instruments, chemicals and products and their introduction to the national economy] Iarkovoĭ EA, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):7-11 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation and improving working conditions at a ampicillin trihydrate plant] Karpenko LZ. **Gig Tr Prof Zabol** 1984 Oct;(10):34-6 **(Rus)**

[Criteria of calculation methods for the determination of safety levels of harmful substances] Koviazin VG. **Gig Tr Prof Zabol** 1985 Feb;(2):60-1 **(Rus)**

[Hygienic characteristics of working conditions employing present-day technology for sinking shafts in coal mines] Meniaĭlo NI, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):29-32 (Eng. Abstr.) **(Rus)**

[Hygienic standardization of vibration] Suvorov GA. **Gig Tr Prof Zabol** 1984 Oct;(10):9-13 (Eng. Abstr.) **(Rus)**

TRENDS

'Megatrends' and the occupational safety & health professional. Lichtenstein ME. **Am Ind Hyg Assoc J** 1984 Nov;45(11):A17-8

Occupational medicine. A new focus for general internal medicine. Cullen MR. **Arch Intern Med** 1985 Mar; 145(3):511-5 (33 ref.)

Development of occupational and environmental medicine in Sweden. Rinder L. **Arh Hig Rada Toksikol** 1983 Dec; 34(4):357-60

Doing the world's unhealthy work: the fiction of free choice. Graebner W. **Hastings Cent Rep** 1984 Aug;14(4):28-37

1984 and beyond. The C.O. Sappington memorial lecture. Wright CC. **J Occup Med** 1984 Dec;26(12):869-76

Occupational health and young adults in the 1980s. Kearns JL. **J Soc Occup Med** 1984 Aug;34(3):81-5

Revival of house calls essential to improving health care practices. Strasser AL. **Occup Health Saf** 1985 Feb;54(2):34

The closing gap between occupational medicine and flight medicine in the space station era. Buchanan P. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1;7 Suppl:237-44

Occupational health in advanced countries in the next century. Murray R. **Sangyo Ika Daigaku Zasshi** 1984 Dec 1;6(4):345-54

Occupational health in the United States. Suskind RR. **Sangyo Ika Daigaku Zasshi** 1983 Dec 1;5(4):519-24

[Results and perspectives in research cooperation in occupational medicine between the USSR and East Germany] Izmerov NF, et al. **Z Gesamte Hyg** 1984 Oct; 30(10):553-5 (Eng. Abstr.) **(Ger)**

[Trend of occupational medicine. Prospective studies of occupational diseases caused by harmful chemicals] Sakabe H. **Sangyo Ika Daigaku Zasshi** 1983 Dec 1;5(4):525-30 **(Jpn)**

[Combined exposure to vibration and the noise of agricultural tractors and self-propelled machinery and the tasks of hygienic regulation (a review of the literature)] Cherniuk VI. **Gig Tr Prof Zabol** 1984 Sep;(9):35-7 (7 ref.) **(Rus)**

[Current achievements and problems of occupational hygiene and occupational pathology] Izmerov NF. **Gig Tr Prof Zabol** 1984 Aug;(8):1-5 **(Rus)**

[Tasks of occupational physiology in light of contemporary problems in the prevention of workers' diseases] Izmerov NF, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):1-4 (Eng. Abstr.) **(Rus)**

[Current problems in the industrial hygiene of women in modern animal husbandry] Nikolov SKh, et al. **Gig Tr Prof Zabol** 1984 Sep;(9):14-7 (Eng. Abstr.) **(Rus)**

[Industrial hygiene problems in the mechanization of manufacturing] Retnev VM. **Gig Tr Prof Zabol** 1985 May; (5):16-9 (Eng. Abstr.) **(Rus)**

[Current problems in the industrial hygiene of women in light of the realization of the Food Program of the USSR] Volkova ZA, et al. **Gig Tr Prof Zabol** 1984 Sep;(9):1-4 **(Rus)**

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (U.S.) see **UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION**

OCCUPATIONAL THERAPY

Principles of occupational therapy ethics. **Am J Occup Ther** 1984 Dec;38(12):799-802

Gerontic occupational therapy--psychological and social predictors of participation and therapeutic benefits. Arnetz BB. **Am J Occup Ther** 1985 Jul;39(7):460-5

Three frames of reference in work-related occupational therapy programs. Creighton C. **Am J Occup Ther** 1985 May;39(5):331-4

Time allocation patterns of occupational therapists in Israel: implications for job satisfaction. Florian V, et al. **Am J Occup Ther** 1985 Jun;39(6):392-6

Anorexia nervosa and bulimia: an activity-oriented approach. Giles GM. **Am J Occup Ther** 1985 Aug;39(8):510-7

The role of the occupational therapist-work evaluator. Holmes D. **Am J Occup Ther** 1985 May;39(5):308-13

Occupational therapy's domain of concern: reconsidered. Katz N. **Am J Occup Ther** 1985 Aug;39(8):518-24

Vocational rehabilitation of the older worker. Kemp B, et al. **Am J Occup Ther** 1985 May;39(5):322-6

Adult norms for the Box and Block Test of manual dexterity. Mathiowetz V, et al. **Am J Occup Ther** 1985 Jun; 39(6):386-91

The use of community networks for chronic psychiatric patients. Mauras-Corsino E, et al. **Am J Occup Ther** 1985 Jun;39(6):374-8

Hierarchy of competencies relating to the use of standardized instruments and evaluation techniques by occupational therapists. Maurer P, et al. **Am J Occup Ther** 1984 Dec; 38(12):803-4

The Foundation. Collaborative research. Mayberry W, et al. **Am J Occup Ther** 1985 Jan;39(1):52-3

The institutionalization of occupational therapy research. Moersch MS. **Am J Occup Ther** 1984 Dec;38(12):820-5

Eleanor Clarke Slagle lecture, 1985: a monistic or a pluralistic approach to professional identity? Mosey AC. **Am J Occup Ther** 1985 Aug;39(8):504-9

An occupational therapy approach to assessing psychiatric patients' adaptive functioning. Oakley F, et al. **Am J Occup Ther** 1985 Mar;39(3):147-54

Quantitative trends in occupational therapy research: implications for practice and education. Ottenbacher K, et al. **Am J Occup Ther** 1985 Apr;39(4):240-6

Occupational therapy intervention for cancer patients with metastatic disease. Romsaas EP, et al. **Am J Occup Ther** 1985 Feb;39(2):79-83

Variables that contribute to leadership among female occupational therapists. Scott WE. **Am J Occup Ther** 1985 Jun;39(6):379-85

Promises to keep: implications of the referent 'patient' versus 'client' for those served by occupational therapy. Sharrott GW, et al. **Am J Occup Ther** 1985 Jun;39(6):401-5

Ethics of clinical research. Sharrott GW. **Am J Occup Ther** 1985 Jun;39(6):407-8

Pinch and grasp strength: standardization of terminology and protocol. Smith RO, et al. **Am J Occup Ther** 1985 Aug; 39(8):531-5

Use of simulated work testing in cardiac rehabilitation: a case report. Wilke NA, et al. **Am J Occup Ther** 1985 May; 39(5):327-30

Occupational rehabilitation and return to work: 2--Psychiatric disability. Gloag D. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1201-3

Therapy after stroke: amounts, determinants and effects. Wade DT, et al. **Int Rehabil Med** 1984;6(3):105-10

Physical and occupational therapy for arthritis. Simpson CF. **West J Med** 1985 Apr;142(4):562-4

[Occupational therapy in the therapeutic community of a psychiatric department] Domachowski W, et al. **Psychiatr Pol** 1984 May-Jun;18(3):257-62 **(Pol)**

ECONOMICS

Medicare reimbursement in home care. DePaoli TA, et al. **Am J Occup Ther** 1984 Nov;38(11):739-42

Work assessment in the current economic climate. Monteath HG. **Int J Soc Psychiatry** 1985 Spring;31(1):54-8

EDUCATION

A time study of staff and student activities in a level II fieldwork program. Burkhardt BF. **Am J Occup Ther** 1985 Jan;39(1):35-40

The influence of curriculum format on learning preference and learning style. Cahill R, et al. **Am J Occup Ther** 1984 Oct;38(10):683-6

Specialized accreditation: endangered species in an era of change. Christiansen CH. **Am J Occup Ther** 1985 Jun; 39(6):363-6

A comparison of impact of undergraduate and graduate occupational therapy education on professional productivity. Clark F, et al. **Am J Occup Ther** 1985 Mar; 39(3):155-62

A perspective on occupational therapy education. Grant HK. **Am J Occup Ther** 1984 Oct;38(10):643-5

Implications for occupational therapy of a competency-based orientation. Hinojosa J. **Am J Occup Ther** 1985 Aug; 39(8):539-41

Characteristics of students in occupational therapy educational programs. Madigan MJ. **Am J Occup Ther** 1985 Jan;39(1):41-8

Curriculum revision: a case study of the process and product. Madigan MJ, et al. **Am J Occup Ther** 1985 Jul;39(7):446-52

Fieldwork performance and academic grades. Mann WC, et al. **Am J Occup Ther** 1985 Feb;39(2):92-5

Professional development: clinician to academician. Mitchell MM. **Am J Occup Ther** 1985 Jun;39(6):368-73

Examination of selection criteria for a program in occupational therapy. Posthuma BW, et al. **Am J Occup Ther** 1985 Jul;39(7):441-5

Understanding theory: the first step in learning about research. Reed KL. **Am J Occup Ther** 1984 Oct; 38(10):677-82

Professional socialization: implications for occupational therapy education. Sabari JS. **Am J Occup Ther** 1985 Feb; 39(2):96-102

Does occupational therapy belong in the university? Tanguay PE. **Am J Occup Ther** 1985 Jul;39(7):466-8

Continuing education--meeting therapists' needs. Kelley WJ. **Dimens Health Serv** 1983 Oct;60(10):37-8

Environment, ideology, and role performance: a contextual needs assessment for an allied health profession. Barris R. **J Allied Health** 1985 Feb;14(1):71-8

Learning preferences, values, and student satisfaction. Barris R, et al. **J Allied Health** 1985 Feb;14(1):13-23

HISTORY

The concept of work in occupational therapy: a historical review. Harvey-Krefting L. **Am J Occup Ther** 1985 May; 39(5):301-7

Looking back. Marshall EM. **Am J Occup Ther** 1985 May; 39(5):297-300

[Involvement of the occupational therapist in the interdisciplinary team in the field of mental health] Colón Roure C, et al. **Bol Asoc Med PR** 1984 Jul;76(7):319-22 **(Spa)**

INSTRUMENTATION

Brief or new: adapted cone-handled sander. Gans SO, et al. **Am J Occup Ther** 1985 Jan;39(1):49-51

Technology and occupational therapy in the rehabilitation of the bedridden quadriplegic. Seplowitz C. **Am J Occup Ther** 1984 Nov;38(11):743-7

MANPOWER

Provision of remedial therapists in geriatric medicine. Andrews K, et al. **Br Med J [Clin Res]** 1984 Sep 15; 289(6446):661

METHODS

Therapeutic programming for students with severe handicaps. Campbell PH, et al. **Am J Occup Ther** 1984 Sep;38(9):594-602

Group work in occupational therapy: a survey of practice. Duncombe LW, et al. **Am J Occup Ther** 1985 Mar; 39(3):163-70

Allied health team management of rheumatoid arthritis patients. Feinberg JR, et al. **Am J Occup Ther** 1984 Sep; 38(9):613-20

Work hardening: occupational therapy in industrial rehabilitation. Matheson LN, et al. **Am J Occup Ther** 1985 May;39(5):314-21

An independent living skills training program. Neistadt ME, et al. **Am J Occup Ther** 1984 Oct;38(10):671-6

Strategies for evaluating clinical change: implications for practice and research. Ottenbacher K, et al. **Am J Occup Ther** 1984 Oct;38(10):647-59

The foundation. Ritual, rigor, and relevance: the design of clinical research. Ottenbacher KJ. **Am J Occup Ther** 1985 Mar;39(3):202-3

Play techniques with neurologically impaired preschoolers. Sparling JW, et al. **Am J Occup Ther** 1984 Sep;38(9):603-12

Administrative and professional issues for the occupational therapist in home health care. Trossman PB. **Am J Occup Ther** 1984 Nov;38(11):726-33

Application of an ATNR rating scale to normal preschool children. Zemke R. **Am J Occup Ther** 1985 Mar; 39(3):178-80

The multidisciplinary treatment plan: a format for enhancing activity therapy department involvement. Lang E, et al. **Hosp Community Psychiatry** 1985 Jan;36(1):62-8

[Effect of postponement of work therapy on rehabilitation--demonstrated by results in arm fractures] Wolf M, et al. **Z Gesamte Hyg** 1984 Nov;30(11):644-5 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Occupational therapy's challenge: the caring relationship. Devereaux EB. **Am J Occup Ther** 1984 Dec;38(12):791-8

STANDARDS

Standardized assessments: ethical principles for use. Bonder B. **Am J Occup Ther** 1985 Jul;39(7):473-4

The revised Fieldwork Performance Report: implementation and implications. Cooper RG. **Am J Occup Ther** 1985 Feb; 39(2):77-8

TRENDS

To survive, to become: our way of life (Presidential address). Bing RK. **Am J Occup Ther** 1984 Dec;38(12):785-90

Eliminating barriers to the disabled. Colvin ME, et al. **Am J Occup Ther** 1984 Nov;38(11):748-53

Occupational therapy's challenge: caregiving and research. Dunn W. **Am J Occup Ther** 1985 Apr;39(4):259-64

Eleanor Clarke Slagle Lectureship, 1984: transformation of a profession. Gilfoyle EM. **Am J Occup Ther** 1984 Sep; 38(9):575-84

Transition in health care--critical planning for the 1990s: Part One. Jaffe E. **Am J Occup Ther** 1985 Jul;39(7):431-5

Transition in health care: critical planning for the 1990s, Part Two. Jaffe E. **Am J Occup Ther** 1985 Aug;39(8):499-503

The cultural aspects of home care delivery. Levine RE. **Am J Occup Ther** 1984 Nov;38(11):734-8

Nationally speaking. The challenge for research in a practice profession. Llorens LA, et al. **Am J Occup Ther** 1985 Mar; 39(3):143-5

Occupational therapy in a Medicare-approved home health agency. MacRae A. **Am J Occup Ther** 1984 Nov; 38(11):721-5

Occupational therapy and home health care. Steinhauer MJ. **Am J Occup Ther** 1984 Nov;38(11):715-6

[Current situation of psychiatric occupational therapy in Japan] Ueno T. **Seishin Shinkeigaku Zasshi** 1984; 86(9):768-77 **(Jpn)**

OCCUPATIONAL THERAPY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

OCCUPATIONS

see related

HEALTH OCCUPATIONS

Fear for health or life and neuroticism in persons of different professions. Kukleta M, et al. **Act Nerv Super (Praha)** 1985 Mar;27(1):20-1

Occupational differences in ischemic heart disease mortality and risk factors in Australia. Dobson AJ, et al. **Am J Epidemiol** 1985 Aug;122(2):283-90

Neuroblastoma and paternal occupation. A case-control analysis. Spitz MR, et al. **Am J Epidemiol** 1985 Jun; 121(6):924-9

Lifetime occupational exercise and colon cancer. Vena JE, et al. **Am J Epidemiol** 1985 Sep;122(3):357-65

Mortality among laundry and dry cleaning workers in Oklahoma. Duh RW, et al. **Am J Public Health** 1984 Nov; 74(11):1278-80

Causes of death among female chemists. Walrath J, et al. **Am J Public Health** 1985 Aug;75(8):883-5

Mortality from nasopharyngeal carcinoma and occupation in men in Hong Kong from 1976-81. Lam YM, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):361-5

Cancer incidence in Singapore by occupational groups. Lee HP. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):366-70

An epidemiological study of lung functions and hearing acuity in Singapore firemen. Phoon WO, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):408-16

Occupation, tobacco use, coffee, and bladder cancer in the county of Mataro (Spain). González CA, et al. **Cancer** 1985 May 1;55(9):2031-4

Antibodies to hen and duck antigens in poultry workers. Andersen P, et al. **Clin Allergy** 1984 Sep;14(5):421-8

The relation between labor and coxarthrosis. Lindberg H, et al. **Clin Orthop** 1984 Dec;(191):159-61

City differences in racial occupational differentiation: a note on the use of odds ratios. Fossett MA. **Demography** 1984 Nov;21(4):655-66

Job characteristics of spouses and their work shifts. Presser HB. **Demography** 1984 Nov;21(4):575-89

The place of odds ratios in the study of place, race and differential occupational opportunities. Semyonov M, et al. **Demography** 1984 Nov;21(4):667-71

Risk of back trouble in individual occupations in Denmark. Biering-Sørensen F. **Ergonomics** 1985 Jan;28(1):51-60

Alternatives to age for assessing occupational performance capacity. Avolio BJ, et al. **Exp Aging Res** 1984 Summer; 10(2):101-5

The validity of type A behavior scales for employed women. Meininger JC. **J Chronic Dis** 1985;38(5):375-83

Predicting the retirement intentions and attitudes of professional workers. Kilty KM, et al. **J Gerontol** 1985 Mar; 40(2):219-27

Alcohol consumption rates among managers and professionals. Shore ER. **J Stud Alcohol** 1985 Mar; 46(2):153-6

Occupational cancer: clinical interpretation and application of scientific evidence. Rosenstock L. **J Toxicol Clin Toxicol** 1984;22(3):261-82

Occupational risks for pleural mesothelioma in Sweden, 1961-79. Malker HS, et al. **JNCI** 1985 Jan;74(1):61-6

Fitness of North Sea divers [letter] Thompson J, et al. **Lancet** 1984 Oct 6;2(8406):806

Asbestos-related lung disease. Marglin SI. **Nurse Pract** 1985 Feb;10(2):44, 48-50

Occupation and outcome of pregnancy: a population-based study in Norway. Bjerkedal T. **Prog Clin Biol Res** 1985; 163B:265-8

Parental occupation and congenital malformations in a series of 35,000 births in Israel. Papier CM. **Prog Clin Biol Res** 1985;163B:291-4

Comparison of occupations recorded at cancer registration and death. Balarajan R. **Public Health** 1985 May; 99(3):169-73

Agreement of occupation and industry data on Rhode Island death certificates with two alternative sources of information. Gute DM, et al. **Public Health Rep** 1985 Jan-Feb;100(1):65-72

Hemoglobin values in adult women of various occupational groups in the community. Futatsuka M, et al. **Sangyo Igaku** 1984 Mar;26(2):155-64

Physical load on the cardiovascular system in different work tasks. Ilmarinen J. **Scand J Work Environ Health** 1984 Dec; 10(6 Spec No):403-8

Completeness of occupational history and occurrences of work-related diseases. Koskela RS, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):455-9

Alcoholism and occupation. Olkinuora M. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):511-5

Cancer incidence by living area, social class and occupation. Teppo L. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):361-6

On the interplay between socioeconomic factors, personality and work environment in the pathogenesis of cardiovascular disease. Theorell T, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):373-80

Occupational status and suicide. Lampert DI, et al. **Suicide Life Threat Behav** 1984 Winter;14(4):254-69

[Monitoring antibody activity in personnel in infectious disease departments in the North Bohemian Region using the ENC-HEM SEVAC kit] Jílek D, et al. **Cas Lek Cesk** 1984 Sep 28;123(38-39):1195-7 (Eng. Abstr.) **(Cze)**

[Comparison of the physical fitness of forestry workers who work with portable power saws and heavy machinery] Novák J, et al. **Cas Lek Cesk** 1985 Jun 21;124(25):787-90 (Eng. Abstr.) **(Cze)**

[Occupational genetic risk in oncologic radiotherapy nurses] Srb V, et al. **Cas Lek Cesk** 1985 May 31;124(22):690-3 (Eng. Abstr.) **(Cze)**

[Genetic risk in microbiological laboratory work] Srb V, et al. **Cas Lek Cesk** 1985 May 31;124(22):686-9 (Eng. Abstr.) **(Cze)**

[Possible role of environmental factors in the development of congenital chromosomal aberrations] Kučerová M, et al. **Cesk Gynekol** 1985 Apr;50(3):183-7 (Eng. Abstr.) **(Cze)**

[Index of atherogenicity in forestry workers. Comparison of samples of the Czech and Vietnam populations] Brücknerová O, et al. **Vnitr Lek** 1984 Sep;30(9):862-70 (Eng. Abstr.) **(Cze)**

[Infant mortality in relation to the mother's health status and occupation of the father, classified for the country and the 3 districts. Introductory studies; findings in the year 1981] Honggokoesoemo S. **Arch Belg** 1984;42(3-4):199-230 (Eng. Abstr.) **(Dut)**

[Setting up practice in another country. Mutual recognition of diplomas and professional qualifications] **Tijdschr Diergeneeskd** 1984 Nov 15;109(22):942-6 **(Dut)**

[The phenomenon of culture: its significance, its development, its goal, its relationship to professional activities] Held AJ. **Schweiz Monatsschr Zahnmed** 1985 Feb;95(2):99-111 (Eng. Abstr.) **(Fre)**

[Prospective study of the importance of constitutional parameters in the development of eczema in hairdressers and construction workers] Hornstein OP, et al. **Derm Beruf Umwelt** 1985;33(2):43-9 (Eng. Abstr.) **(Ger)**

[How do various occupational groups perceive epileptics?] Hebenstreit GF. **Schweiz Rundsch Med Prax** 1985 Jul 16; 74(29):784-7 (Eng. Abstr.) **(Ger)**

[Applied physiology: the work of driving an industrial heavy-duty truck on the highway] Wyss V, et al. **G Ital Med Lav** 1983 Jul;5(4):165-80 (Eng. Abstr.) **(Ita)**

[Evaluation of the effect of occupational physical activity on selected coronary disease risk factors using multivariate analysis of variance] Kupść W, et al. **Przegl Epidemiol** 1984; 38(4):389-97 (Eng. Abstr.) **(Pol)**

[Hygienic aspects in shaping the choice of job by school pupils] Sergeta VN, et al. **Gig Sanit** 1985 Jun;(6):81-2 **(Rus)**

[Relation between carbohydrate metabolism, acid-base equilibrium and nutrition in persons performing physical and mental work in the Estonian SSR] Pauts VM. **Vopr Pitan** 1984 Sep-Oct;(5):19-21 (Eng. Abstr.) **(Rus)**

HISTORY

Careers and creativity in nineteenth-century physiology: Zloczower redux. Turner S, et al. **Isis** 1984 Sep; 75(278):523-9

STANDARDS

The controller, aviation medicine and air safety. Watkin BL. **Aviat Space Environ Med** 1983 Mar;54(3):263-5

[Evaluation of the professional qualities of operators working with computer displays] Martynikhin AV, et al. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr;35(2):232-7 (Eng. Abstr.) **(Rus)**

OCEANOGRAPHY

see related
MARINE BIOLOGY
SUBMARINE MEDICINE

OCHRATOXINS

ANALYSIS

Chemical confirmatory tests for ochratoxin A, citrinin, penicillic acid, sterigmatocystin, and zearalenone performed directly on thin layer chromatographic plates. Goliński P, et al. **J Assoc Off Anal Chem** 1984 Nov-Dec; 67(6):1108-10

The mycotoxicological chain and contamination of food by ochratoxin A in the nephropathic and non-nephropathic areas in Yugoslavia. Pepeljnjak S, et al. **Mycopathologia** 1985 Jun;90(3):147-53

[Determination and occurrence of ochratoxin A in slaughtered swine] Bauer J, et al. **Berl Munch Tierarztl Wochenschr** 1984 Aug 1;97(8):279-83 (Eng. Abstr.) **(Ger)**

[Ochratoxin A in pork kidneys--description of a method] Wilken C, et al. **Z Lebensm Unters Forsch** 1985 Jun; 180(6):496-7 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Reduction of ochratoxin A toxicity in mice treated with phenylalanine and phenobarbital. Moroi K, et al. **Toxicol Lett** 1985 Apr;25(1):1-5

BIOSYNTHESIS

Postharvest production of ochratoxin A by Aspergillus ochraceus and Penicillium viridicatum in barley with different protein levels. Häggblom PE, et al. **Appl Environ Microbiol** 1985 Apr;49(4):787-90

Inhibition by antimicrobial food additives of ochratoxin A production by Aspergillus sulphureus and Penicillium viridicatum. Tong CH, et al. **Appl Environ Microbiol** 1985 Jun;49(6):1407-11

Caffeine degradation and increased ochratoxin A production by toxigenic strains of Aspergillus ochraceus isolated from green coffee beans. Tsubouchi H, et al. **Mycopathologia** 1985 Jun;90(3):181-6

BLOOD

Screening for ochratoxin A in blood by flow injection analysis. Hult K, et al. **J Appl Toxicol** 1984 Dec;4(6):326-9

Ochratoxin A in blood of slaughter pigs. Hult K, et al. **Nord Vet Med** 1984 Sep-Oct;36(9-10):314-6

ISOLATION & PURIFICATION

Spontaneous occurrence of ochratoxin A residues in porcine kidney and serum samples in Poland. Golinski P, et al. **Appl Environ Microbiol** 1985 Apr;49(4):1014-5

METABOLISM

Metabolism of ochratoxin B and its possible effects upon the metabolism and toxicity of ochratoxin A in rats. Størmer FC, et al. **Appl Environ Microbiol** 1985 May;49(5):1108-12

PHARMACODYNAMICS

Inhibition of protein synthesis in mice by ochratoxin A and its prevention by phenylalanine. Creppy EE, et al. **Food Chem Toxicol** 1984 Nov;22(11):883-6

The individual and combined effects of aflatoxin and ochratoxin A on various processing parameters of broiler chickens. Huff WE, et al. **Poult Sci** 1984 Nov; 63(11):2153-61

[Effect of ochratoxin A and other intracellular metabolites on the phosphogluconate metabolic pathway in Aspergillus ochraceus] Angelov T, et al. **Acta Microbiol Bulg** 1985; 16:78-85 (Eng. Abstr.) **(Bul)**

POISONING

Experimental combined aflatoxin B1 and ochratoxin A intoxication in pigs. Tapia MO, et al. **Aust Vet J** 1985 Feb; 62(2):33-7

Feed refusal during ochratoxicosis in turkeys. Burditt SJ, et al. **Poult Sci** 1984 Nov;63(11):2172-4

Comparative incidence of oral ochratoxicosis and aflatoxicosis on the activity of drug-metabolizing enzymes in rat liver. Galtier P, et al. **Toxicol Lett** 1984 Dec; 23(3):341-7

TOXICITY

Ochratoxin A-induced teratogenesis in rats: partial protection by phenylalanine. Mayura K, et al. **Appl Environ Microbiol** 1984 Dec;48(6):1186-8

Experimental ochratoxicosis A in pigs. Tapia MO, et al. **Aust Vet J** 1984 Jul;61(7):219-22

Biochemical changes in the rat during experimentally induced acute ochratoxicosis. Ngaha EO. **Enzyme** 1985;33(1):1-8

Effect of simultaneous prenatal exposure to ochratoxin A and citrinin in the rat. Mayura K, et al. **J Toxicol Environ Health** 1984;13(4-6):553-61

Effects of ochratoxin A in the partially nephrectomized rat. Stein AF, et al. **J Toxicol Environ Health** 1984;14(4):535-50

Toxicity of ochratoxin A and vanadium to growing chicks. Kubena LF, et al. **Poult Sci** 1985 Apr;64(4):620-8

Teratogenic effects of Ochratoxin A in rats with impaired renal function. Mayura K, et al. **Toxicology** 1984 Sep 28; 32(4):277-85

Ochratoxin A-induced porcine nephropathy: enzyme and ultrastructure changes after short-term exposure. Elling F, et al. **Toxicon** 1985;23(2):247-54

OCHROMONAS see under **MASTIGOPHORA**

OCHRONOSIS

CHEMICALLY INDUCED

Ochronosislike pigmentation from hydroquinone bleaching creams in American blacks. Hoshaw RA, et al. **Arch Dermatol** 1985 Jan;121(1):105-8

Ochronosislike pigmentation from hydroquinone bleaching creams [letter] Penneys NS. **Arch Dermatol** 1985 Oct; 121(10):1239-40

COMPLICATIONS

[Alkaptonuria and ochronosis: presentation of a clinical case] Del Sasso L, et al. **Chir Ital** 1984 Jun;36(3):422-30 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Ochronotic cardiovascular disease. Ptacin M, et al. **Clin Cardiol** 1985 Aug;8(8):441-5

[Involvement of the tympanic membrane and ear ossicle system in ochronotic alkaptonuria] Pau HW. **Laryngol Rhinol Otol (Stuttg)** 1984 Oct;63(10):541-4 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Biomechanical studies on the pathogenesis of ochronotic arthropathy] Eberle P, et al. **Z Rheumatol** 1984 Sep-Oct; 43(5):249-52 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[A case of alkaptonuric ochronosis] Shmakov AG. **Vestn Rentgenol Radiol** 1984 Nov-Dec;(6):75-7 **(Rus)**

OCTADECANOIC ACIDS see **STEARIC ACIDS**

READEX FICHE

OCTADECENOIC ACIDS see **OLEIC ACIDS**

OCTANES

Contact angle at solid-water octane interface. Nair AK, et al. **Biomater Med Devices Artif Organs** 1984-85; 12(3-4):127-32

[Fluorescence of hemoproteins in reversed micelles of surfactants in octanes] Eremin AN, et al. **Biokhimiia** 1984 Dec;49(12):1947-54 (Eng. Abstr.) **(Rus)**

METABOLISM

Identification of urinary metabolites of the nephrotoxic hydrocarbon 2,2,4-trimethylpentane in male rats. Olson CT, et al. **Biochem Biophys Res Commun** 1985 Jul 16; 130(1):313-6

TOXICITY

Hepatotoxicity in albino rats exposed to n-octane and n-nonane. Khan S, et al. **J Appl Toxicol** 1985 Apr;5(2):64-8

OCTANOATES see **CAPRYLATES**

OCTANOIC ACIDS see under **CAPRYLATES**

OCTANOLS see **ALCOHOLS, OCTYL**

OCTOCLOTHEPINE see under **DIBENZOTHIEPINS**

OCTODON see **RODENTIA**

P-OCTOPAMINE see **NORSYNEPHRINE**

OCTOPUS

GROWTH & DEVELOPMENT

Advances in the laboratory culture of octopuses for biomedical research. Hanlon RT, et al. **Lab Anim Sci** 1985 Feb;35(1):33-40

METABOLISM

The role of copper and quaternary structure on the conformational properties of Octopus vulgaris hemocyanin. Ricchelli F, et al. **Arch Biochem Biophys** 1984 Dec; 235(2):461-9

A photoproduct with 13-cis retinal generated by irradiation with violet light in the octopus retina. Ohtsu K, et al. **Vision Res** 1985;25(6):775-9

ULTRASTRUCTURE

Electron-microscopic observations of the gravity receptor epithelia of normal and spinner juvenile Octopus maya. Fermin CD, et al. **Cell Tissue Res** 1985;240(3):701-4

OCTOPUS VENOMS see **MOLLUSK VENOMS**

OCULAR FIXATION see **FIXATION, OCULAR**

OCULAR HERPES ZOSTER VIRUS see **VARICELLA-ZOSTER VIRUS**

OCULAR HYPERTENSION

CHEMICALLY INDUCED

The effect of diazepam pretreatment on the succinylcholine-induced rise in intraocular pressure. Fjeldborg P, et al. **Acta Anaesthesiol Scand** 1985 May; 29(4):415-7

[Early signs of disorders of metabolism of aqueous humor in workers exposed to allyl chloride and its derivatives] Kasimova MD, et al. **Oftalmol Zh** 1985;(1):46-8 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Correlation of color vision deficits and observable changes in the optic disc in a population of ocular hypertensives. Hamill TR, et al. **Arch Ophthalmol** 1984 Nov; 102(11):1637-9

DIAGNOSIS

A revisit: ocular hypertension, glaucoma suspect, preglaucoma, or glaucoma? Johnson TD, et al. **Ann Ophthalmol** 1985 Jul;17(7):390-1

Low-contrast letter charts in early diabetic retinopathy, ocular hypertension, glaucoma, and Parkinson's disease. Regan D, et al. **Br J Ophthalmol** 1984 Dec;68(12):885-9

[Essential ocular hypertension and the initial onset of open-angle glaucoma] Jeroševskij TI, et al. **Cesk Oftalmol** 1984 Sep;40(5):253-5 (Eng. Abstr.) **(Cze)**

[Significance of intolerance indicators in glaucoma] Vodovozov AM, et al. **Oftalmol Zh** 1985;(1):36-8 (Eng. Abstr.) **(Rus)**

[Experience in improving the effectiveness of the dispensarization of patients with primary glaucoma] Titenko KS, et al. **Vrach Delo** 1985 Jun;(6):114-6 **(Rus)**

DRUG THERAPY

Levobunolol vs timolol for open-angle glaucoma and ocular hypertension. Cinotti A, et al. **Am J Ophthalmol** 1985 Jan 15;99(1):11-7

Minimum concentration of levobunolol required to control intraocular pressure in patients with primary open-angle glaucoma or ocular hypertension. Long D, et al. **Am J Ophthalmol** 1985 Jan 15;99(1):18-22

Levobunolol. A three-month efficacy study in the treatment of glaucoma and ocular hypertension. Bensinger RE, et al. **Arch Ophthalmol** 1985 Mar;103(3):375-8

Levobunolol compared with timolol for the long-term control of elevated intraocular pressure. Berson FG, et al. **Arch Ophthalmol** 1985 Mar;103(3):379-82

Betaxolol and acetazolamide. Combined ocular hypotensive effect. Smith JP, et al. **Arch Ophthalmol** 1984 Dec; 102(12):1794-5

Long-term ocular hypotensive effect of levobunolol: results of a one-year study. Ober M, et al. **Br J Ophthalmol** 1985 Aug;69(8):593-9

The effect of corynanthine on intraocular pressure in clinical trials. Serle JB, et al. **Ophthalmology** 1985 Jul;92(7):977-80

ETIOLOGY

Intraocular hypertension resulting from pupillary block by silicone oil. Ando F. **Am J Ophthalmol** 1985 Jan 15; 99(1):87-8

Acute intraocular pressure elevation produced by argon laser trabeculoplasty in the cynomolgus monkey. Koss MC, et al. **Arch Ophthalmol** 1984 Nov;102(11):1699-703

Intraocular pressure elevation following Nd:YAG laser posterior capsulotomy. Richter CU, et al. **Ophthalmology** 1985 May;92(5):636-40

Acute elevations of intraocular pressure following Nd:YAG laser posterior capsulotomy. Slomovic AR, et al. **Ophthalmology** 1985 Jul;92(7):973-6

[Ocular hypertension and endothelio-iridic dystrophic syndromes. Nosologic discussion] Bronner A, et al. **Bull Soc Ophtalmol Fr** 1983 Dec;83(12):1387-93 (Eng. Abstr.) **(Fre)**

[Intraocular hypertension as an intraoperative complication in retinal detachment] Bartkowska-Orlowska M. **Klin Oczna** 1985 Feb;87(2):61-2 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Solitary silent venous papillary loops and ocular hypertension. West RH, et al. **Aust J Ophthalmol** 1984 Nov; 12(4):351-7

Reproducibility of photogrammetric optic disc cup measurements. Takamoto T, et al. **Invest Ophthalmol Vis Sci** 1985 Jun;26(6):814-7

Detection of increased pallor over time. Computerized image analysis in untreated ocular hypertension. Nagin P, et al. **Ophthalmology** 1985 Feb;92(2):252-61

PHYSIOPATHOLOGY

Comparison of the optic nerve head in high- and low-tension glaucoma. Caprioli J, et al. **Arch Ophthalmol** 1985 Aug; 103(8):1145-9

Topical ocular hypotensive activity and ocular penetration of dichlorphenamide sodium in rabbits. Lotti VJ, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;222(1):13-9

The pattern evoked electroretinogram associated with elevated intraocular pressure. Papst N, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;222(1):34-7

Autonomic neuropathy in ocular hypertension. Clark CV, et al. **Lancet** 1985 Jul 27;2(8448):185-7

Retinal autoregulation in open-angle glaucoma. Grunwald JE, et al. **Ophthalmology** 1984 Dec;91(12):1690-4

[State of the optic disk and visual field boundaries examined daily by perimetry in patients in the early stages of glaucoma] Titenko KS. **Oftalmol Zh** 1985;(2):92-4 (Eng. Abstr.) **(Rus)**

[Relation of the size of the optic disk excavation to the hemodynamic level of the eye in persons with elevated ocular tension] Basinskiĭ SN, et al. **Vestn Oftalmol** 1985 Jan-Feb;101(1):3-5 (Eng. Abstr.) **(Rus)**

[Episcleral venous pressure in primary glaucoma, ocular hypertension and in patients with hypertension] Viazigina LV, et al. **Vestn Oftalmol** 1985 May-Jun;101(3):12-4 (Eng. Abstr.) **(Rus)**

THERAPY

[Hypertensive uveitis. IV. Treatment] Vasinca M, et al. **Rev Chir [Oftalmol]** 1984 Jul-Sep;28(3):215-7 (Eng. Abstr.) **(Rum)**

OCULAR PROSTHESIS see **EYE, ARTIFICIAL**

OCULAR TENSION see **INTRAOCULAR PRESSURE**

OCULOCEREBRORENAL SYNDROME see under **RENAL TUBULAR TRANSPORT, INBORN ERRORS**

OCULOMOTOR MUSCLES

Treatment of ocular myoclonus with valproic acid. Lefkowitz D, et al. **Ann Neurol** 1985 Jan;17(1):103-4

Transient Brown's syndrome in juvenile chronic arthritis. Kemp AS, et al. **Ann Rheum Dis** 1984 Oct;43(5):764-5

Ocular motor apraxia and neurofibromatosis [letter] Glover AT, et al. **Arch Ophthalmol** 1985 Jun;103(6):763

Oculopharyngeal dystrophy: clinicopathological study of an Australian family. Blumbergs PC, et al. **Clin Exp Neurol** 1983;19:102-9

Injection treatment of endocrine orbital myopathy. Scott AB. **Doc Ophthalmol** 1984 Aug 15;58(1):141-5

Tenosynovitis of the superior oblique muscle (Brown syndrome) associated with juvenile rheumatoid arthritis. Roifman CM, et al. **J Pediatr** 1985 Apr;106(4):617-9

Infantile myasthenia. Chan-Lui WY, et al. **Neuropediatrics** 1985 Feb;16(1):24-8

The slipped rectus muscle. Hiller TL, et al. **Ophthalmic Surg** 1985 May;16(5):315-20

Trochleitis with superior oblique myositis. Tychsen L, et al. **Ophthalmology** 1984 Sep;91(9):1075-9

Ocular myopathies. Tomé FM, et al. **Pathol Res Pract** 1985 Jul;180(1):19-27

[Large dose of prednisone in the treatment of the oculomuscular type of myasthenia gravis] Wang DC. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):245-7 **(Chi)**

[Superior oblique myokymia] Schlein N, et al. **Harefuah** 1984 Sep;107(5-6):127-8 (Eng. Abstr.) **(Heb)**

[Surgical correction of diplopia in patients with endocrine myopathy] Brovkina AF, et al. **Vestn Oftalmol** 1985 Mar-Apr;101(2):45-8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Congenital fibrosis of superior rectus and superior oblique: a case report. Prakash P, et al. **Br J Ophthalmol** 1985 Jan; 69(1):57-9

[Computerized tomography diagnosis of malinsertion of the extrinsic eye muscle] Vosfeldt RI, et al. **Fortschr Ophthalmol** 1985;82(2):205-6 (Eng. Abstr.) **(Ger)**

[Asymmetry of eyeball insertion of the median and lateral rectus muscles and its significance for the function of these muscles in strabismus] Fabiszewska-Górna D. **Klin Oczna** 1984 Sep;86(9):395-7 (Eng. Abstr.) **(Pol)**

[Malocclusion in children with strabismus and selected congenital syndromes] Jakubiak T, et al. **Klin Oczna** 1984 Sep;86(9):391-3 (Eng. Abstr.) **(Pol)**

[Congenital disorders of the oculomotor system among our cases. Brown's syndrome and Marcus-Gunn synkinesis] Krzystkowa KM, et al. **Klin Oczna** 1984 Sep;86(9):383-5 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

Connections and oculomotor projections of the superior vestibular nucleus and cell group 'y'. Carpenter MB, et al. **Brain Res** 1985 Jun 17;336(2):265-87

Adjustable sutures: experimental assessment of final muscle position. Climenhaga HW, et al. **Can J Ophthalmol** 1984 Aug;19(5):234-6

[Relation of the orbital connective tissue system to the extraocular muscles as exemplified by the musculus rectus medialis] Härting F. **Fortschr Ophthalmol** 1985;82(1):98-101 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Morphology and permeability properties of blood capillaries in extraocular muscles of macaque monkeys. Mwasi LM, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(1):9-15

Capillaries of human overacting extraocular muscles. Ludatscher RM, et al. **Invest Ophthalmol Vis Sci** 1984 Dec; 25(12):1441-7

[Arterial pedicles of the oculomotor muscles. Anatomic study of 70 orbits] Ducasse A, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:441-50 **(Fre)**

DRUG EFFECTS

Postoperative diplopia and ptosis. A clinical hypothesis based on the myotoxicity of local anesthetics. Rainin EA, et al. **Arch Ophthalmol** 1985 Sep;103(9):1337-9

Lidocaine-pancuronium bromide retrobulbar injection: experimental studies of simultaneous neural and myoneural blockage for profound akinesia. Singh R, et al. **Ophthalmic Surg** 1984 Dec;15(12):996-9

EMBRYOLOGY

Ontogeny of avian extrinsic ocular muscles. I. A light- and electron-microscopic study. Jacob M, et al. **Cell Tissue Res** 1984;237(3):549-57

The extrinsic ocular muscles in birds are derived from the prechordal plate. Wachtler F, et al. **Naturwissenschaften** 1984 Jul;71(7):379-80

Ptosis and underaction of the superior rectus muscle. Sevel D. **Ophthalmology** 1984 Sep;91(9):1080-5

IMMUNOLOGY

Measurement of autoantibodies against human eye muscle plasma membranes in Graves' ophthalmopathy. Faryna M, et al. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):191-2

INJURIES

[Post-traumatic iatrogenic eyeball rotation. Development and reposition] Eskici A. **Fortschr Kiefer Gesichtschir** 1985; 30:133-5 **(Ger)**

[Reconstructive surgery of the extraocular muscles] Kaufmann H. **Fortschr Ophthalmol** 1984;81(5):401-4 (Eng. Abstr.) **(Ger)**

INNERVATION

Distribution of parasympathetic motoneurones in the oculomotor complex innervating the ciliary ganglion in the marmoset (Callithrix jacchus). Clarke RJ, et al. **Acta Anat (Basel)** 1985;121(1):53–8

Observations on the innervation of human extraocular muscles. Sadeh M, et al. **J Neurol Sci** 1984 Nov–Dec; 66(2–3):295–305

Reactions of the geniculate cells to extraocular proprioceptive activation in rabbits. Molotchnikoff S, et al. **J Neurosci Res** 1985;14(1):105–15

Afferent innervation of extraocular muscles in the rat studied by retrograde and anterograde horseradish peroxidase transport. Daunicht WJ, et al. **Neurosci Lett** 1985 May 14; 56(2):143–8

Directional selectivity in the responses of units in cat primary visual cortex to passive eye movement. Ashton JA, et al. **Neuroscience** 1984 Nov;13(3):653–62

Confirmatory evidence for a direct parasympathetic pathway to internal eye structures. Parelman JJ, et al. **Trans Am Ophthalmol Soc** 1984;82:371–80

[Innervation of the medial rectus muscle. Microscopic study of the points of penetration and intramuscular pathways] Raspiller A, et al. **Bull Soc Ophtalmol Fr** 1983 Dec; 83(12):1379–81 (Eng. Abstr.) (Fre)

[Study of pathways and function of the proprioceptive system in the extrinsic muscles of the eye] Batini C. **Rev Otoneuroophtalmol** 1984 May–Jun;56(3):221–6 (Fre)

[Histology and physiology of the proprioceptive receptors in the extrinsic muscles of the eye] Lasserre MH. **Rev Otoneuroophtalmol** 1984 May–Jun;56(3):217–20 (Fre)

[Course of the abducens nerve before the exit zone from the central nervous system to the lateral rectus muscle] Lang J, et al. **Neurochirurgia (Stuttg)** 1985 Jan;28(1):1–5 (Eng. Abstr.) (Ger)

[Oculo-auricular phenomenon and its value in neurologic diagnosis] Wagner A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Sep; 36(9):527–32 (Eng. Abstr.) (Ger)

[Experimental study of the identification of extraocular muscle motoneurons by retrograde transport of HRP (horseradish peroxidase)] Matsumoto H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Nov;88(11):1369–75 (Eng. Abstr.) (Jpn)

[Effects of axotomy on the activity of the motor neurons of the external ocular motor nucleus during saccadic movements] Torres B, et al. **Rev Esp Fisiol** 1985 Mar; 41(1):73–81 (Eng. Abstr.) (Spa)

PATHOLOGY

Metastasis of solid tumors in extraocular muscles. Weiss R, et al. **Acta Neuropathol (Berl)** 1984;65(2):168–71

Quantitative computed tomography of Graves' ophthalmopathy. Extraocular muscle and orbital fat in development of optic neuropathy. Feldon SE, et al. **Arch Ophthalmol** 1985 Feb;103(2):213–5

Sarcoidosis with infiltration of the external ocular muscles. Stannard K, et al. **Br J Ophthalmol** 1985 Aug;69(8):562–6

Ultrasonic B-scan measurement of the extra-ocular muscles in Graves' orbitopathy. Willinsky RA, et al. **J Can Assoc Radiol** 1984 Jun;35(2):171–3

PHYSIOLOGY

Rat extraocular muscle regeneration. Repair of local anesthetic-induced damage. Carlson BM, et al. **Arch Ophthalmol** 1985 Sep;103(9):1373–7

Sideways displacement and curved path of recti eye muscles. Simonsz HJ, et al. **Arch Ophthalmol** 1985 Jan;103(1):124–8

The role of the extraocular muscles in the rabbit nictitating membrane response: a re-examination. Berthier NE. **Behav Brain Res** 1984 Oct;14(1):81–4

Electrophysiological and behavioural evidence for the role of oculomotor proprioception on visual functions of the cat. Maffei L, et al. **Doc Ophthalmol** 1984 Aug 15; 58(1):97–100

Adaptation of saccadic and vestibulo-ocular systems after extraocular muscle tenectomy. Snow R, et al. **Invest Ophthalmol Vis Sci** 1985 Jul;26(7):924–31

Co-expression of multiple myosin heavy chain genes, in addition to a tissue-specific one, in extraocular musculature. Wieczorek DF, et al. **J Cell Biol** 1985 Aug; 101(2):618–29

Low temperature increases gain in the fish oculomotor system. Montgomery JC. **J Neurobiol** 1984 Jul;15(4):295–8

Accessory abducens nucleus and conditioned eye retraction/nictitating membrane extension in rabbit. Disterhoft JF, et al. **J Neurosci** 1985 Apr;5(4):941–50

Measurement of the mechanical stiffness in cyclotorsion of the human eye. Simonsz HJ, et al. **Vision Res** 1984; 24(9):961–7

[Does proprioception of the extrinsic eye muscles participate in equilibrium, vision and oculomotor action?] Batini C, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(1):7–18 (Eng. Abstr.) (Fre)

[Role of afferent signals from the extrinsic muscles of the eye during visual development] Buisseret P. **Rev Otoneuroophtalmol** 1984 May–Jun;56(3):227–30 (Fre)

[Role of oculomotility in the maintenance of equilibrium] Gagey PM. **Rev Otoneuroophtalmol** 1984 May–Jun; 56(3):253–9, 261 (Eng. Abstr.) (Fre)

[Oculocephalic coupling] Vidal PP, et al. **Rev Otoneuroophtalmol** 1984 May–Jun;56(3):243–51 (Fre)

[Electromyographical study on human eye movements. Report 1: Simultaneous EMG recordings from 4 recti muscles in normal and peripheral oculomotor disturbances] Aoki S. **Nippon Ganka Gakkai Zasshi** 1984 Aug; 88(8):1107–17 (Eng. Abstr.) (Jpn)

[Basic studies on the photically evoked lid potential changes in rabbit, with special reference to orbicularis oculi reflex] Hoshina Y. **No To Shinkei** 1984 Dec;36(12):1181–8 (Eng. Abstr.) (Jpn)

[Muscle as a system with parametric excitation] Lässig P, et al. **Biofizika** 1984 Sep–Oct;29(5):891–4 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

A new X-linked syndrome with muscle atrophy, congenital contractures, and oculomotor apraxia. Wieacker P, et al. **Am J Med Genet** 1985 Apr;20(4):597–606

Ocular deviation after retinal detachment surgery. Mets MB, et al. **Am J Ophthalmol** 1985 Jun 15;99(6):667–72

Bilateral oculomotor abnormalities in strabismic amblyopes: evidence for a common central mechanism. Bedell HE, et al. **Doc Ophthalmol** 1985 Jun 30;59(4):309–21

Disturbances of ocular motility after retinal detachment surgery. Peduzzi M, et al. **Doc Ophthalmol** 1984 Aug 15; 58(1):115–8

A comparison of different models of extraocular muscle cooperation. Clement RA. **Ophthalmic Physiol Opt** 1985; 5(2):165–70

Graves' eye disease: orbital compliance and other physical measurements. Frueh BR. **Trans Am Ophthalmol Soc** 1984; 82:492–598 (77 ref.)

[Attempted correlation between the optomotor reflex under general anesthesia and elongation test in 100 cases of concomitant convergent strabismus] Berard PV, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):589–93 (Eng. Abstr.) (Fre)

[Treatment of spasms of convergence with liquid crystal glasses] Carre H, et al. **Bull Soc Ophtalmol Fr** 1983 Oct; 83(10):1195–8 (Eng. Abstr.) (Fre)

[Electromyography study on human eye movements. Report 2: Simultaneous EMG recordings from 4 recti muscles in an acquired supranuclear oculomotor disturbances] Aoki S. **Nippon Ganka Gakkai Zasshi** 1984 Sep;88(9):1200–10 (Eng. Abstr.) (Jpn)

[Electromyographic study of the optomotor effect in exotropia under general anesthesia] Tamura O, et al. **Nippon Ganka Gakkai Zasshi** 1984 Nov;88(11):1376–82 (Eng. Abstr.) (Jpn)

[Effect of muscular disorders on ocular hydrodynamics in Graves-Basedow disease] Czarnomska Z, et al. **Klin Oczna** 1984 Oct;86(10):429–31 (Eng. Abstr.) (Pol)

[Evaluation of the condition of the oculomotor apparatus in endocrine ophthalmopathies] Tiutiunikova AM. **Oftalmol Zh** 1984;(6):342–4 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Computed tomography in the evaluation of Brown syndrome of the superior oblique tendon sheath. Mafee MF, et al. **Radiology** 1985 Mar;154(3):691–5

[Computerized tomography in endocrine ophthalmopathy with malignant exophthalmos] Uhlenbrock D, et al. **Dtsch Med Wochenschr** 1985 Mar 29;110(13):495–9 (Eng. Abstr.) (Ger)

[Acute orbital myositis—a case of inflammatory orbital pseudotumor characterized by enlargement of localized extraocular muscles] Honda H, et al. **Rinsho Shinkeigaku** 1985 May;25(5):597–600 (Eng. Abstr.) (Jpn)

[Computerized tomography in patients with Graves-Basedow disease treated with radioactive iodine (I-131)] Sowiński J, et al. **Endokrynol Pol** 1984;35(3):165–72 (Pol)

[Comparison of the range of eye movements with the orbital image in computerized tomograms in Graves-Basedow disease] Krzystolikowa Z, et al. **Klin Oczna** 1984 Oct; 86(10):433–5 (Eng. Abstr.) (Pol)

SURGERY

Eyelid suspension with a transposed levator palpebrae superioris muscle. Neuhaus RW. **Am J Ophthalmol** 1985 Aug 15;100(2):308–11

Pseudo-internuclear ophthalmoplegia after surgical paresis of the medial rectus muscle [letter] Wilson WB. **Am J Ophthalmol** 1985 Jun 15;99(6):737–8

Surgical treatment of the upshoot and downshoot in Duanes retraction syndrome. Rogers GL, et al. **Ann Ophthalmol** 1984 Sep;16(9):841–4

Frontalis suspension for blepharoptosis using palmaris longus tendon. Kurihara K, et al. **Ann Plast Surg** 1984 Oct; 13(4):274–8

Intraoperative adjustment of eye muscle surgery. Correction based on eye position during general anesthesia. Romano P, et al. **Arch Ophthalmol** 1985 Mar;103(3):351–3

Superior oblique muscle surgery. Harcourt B. **Aust J Ophthalmol** 1984 May;12(2):167–9

Diagnosis and management of lost muscle following strabismus surgery. Billson F, et al. **Aust N Z J Ophthalmol** 1985 Feb;13(1):66–9

Large bimedial rectus recessions in congenital esotropia. Szmyd SM, et al. **Br J Ophthalmol** 1985 Apr;69(4):271–4

Managing strabismus in endocrine eye disease. Skov CM, et al. **Can J Ophthalmol** 1984 Oct;19(6):269–74

Internal ophthalmoplegia caused by inferior oblique muscle myectomy. Damanakis AG, et al. **J Pediatr Ophthalmol Strabismus** 1985 May–Jun; 22(3):117–9

Super-maximum levator resection for severe unilateral congenital blepharoptosis. Epstein GA, et al. **Ophthalmic Surg** 1984 Dec;15(12):971–9

The advantages of controlled recession over free weakening procedures on oblique muscles [letter] Romano P. **Ophthalmic Surg** 1984 Aug;15(8):703

Muscle lengthening in refractory squint. Nolan J. **Trans Ophthalmol Soc UK** 1983;103 (Pt 6):593–6

Management of congenital esotropia with large bimedial rectus recessions. Szmyd SM, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter; 37(2):132–5

[Two methods of mitigating the oculo-cardiac reflex during ocular muscle surgery under general anesthesia] Ge XY. **Chung Hua Yen Ko Tsa Chih** 1984 May;20(3):148–9 (Chi)

[Adjustable sutures for muscle recession] Guo JQ. **Chung Hua Yen Ko Tsa Chih** 1984 Nov;20(6):334–8 (Chi)

[Large recession of the external rectus for large-angle exotropia] Yang SM. **Chung Hua Yen Ko Tsa Chih** 1984 Nov;20(6):339–41 (Chi)

[Personal experience with Hummelsheim's operation] Blažek K, et al. **Cesk Oftalmol** 1984 Nov;40(6):361–4 (Eng. Abstr.) (Cze)

[Surgery of the oblique muscles] Divišová G, et al. **Cesk Oftalmol** 1984 Nov;40(6):345–7 (Eng. Abstr.) (Cze)

[Surgery of the upper oblique muscle] Vaničková M, et al. **Cesk Oftalmol** 1984 Nov;40(6):355–60 (Eng. Abstr.) (Cze)

[Anteroposition or disinsertion of the inferior oblique. Which to choose?] Apers R, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:57–61 (Fre)

[28 years of recession of the inferior oblique] Bonnet JL. **Bull Mem Soc Fr Ophtalmol** 1985;96:55–6 (Fre)

[Treatment of pseudoparalysis of the inferior oblique] D'Esposito M. **Bull Mem Soc Fr Ophtalmol** 1985;96:485–92 (Fre)

[Bridging the internal rectus muscle in surgery for strabismus in the child] Flament J, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:508–13 (Fre)

[The operation of myectomy of the inferior oblique] Kastrantas A, et al. **Bull Mem Soc Fr Ophtalmol** 1985; 96:482–4 (Fre)

[Results of strabismus surgery using Gobin's technic] Langlois J, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:67–70 (Fre)

[Results of plication of the superior oblique] Luca F, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:62–6 (Fre)

[Surgery on the oculomotor muscles and binocular motor function] Pigassou-Albouy P. **Bull Mem Soc Fr Ophtalmol** 1985;96:49–52 (Fre)

[Cüppers fadenoperation on the superior rectus. Apropos of 80 cases] Raspiller A, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:471–3 (Fre)

[Results of surgical treatment of strabismus using the technic of desagittalization of the obliques] Tassinari G, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:53–4 (Fre)

[Overaction of the controlateral inferior oblique muscle following unilateral surgical weakening of the inferior oblique muscle] Boureau M, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):541–3 (Eng. Abstr.) (Fre)

[Surgical treatment of hyperaction of the inferior oblique muscle using the anteroposition-recession technic] Hullo A, et al. **Bull Soc Ophtalmol Fr** 1984 Jun–Jul;84(6–7):885–8 (Fre)

[Faden-operation in organic visual deficient children] Pigassou Albouy R, et al. **Bull Soc Ophtalmol Fr** 1984 May; 84(5):687–93 (Fre)

[Treatment of congenital nystagmus by Cüppers' 4-thread operation] Verin P, et al. **Bull Soc Ophtalmol Fr** 1984 Jun–Jul;84(6–7):833–4, 837 (Fre)

[Simultaneous horizontal and vertical surgery in esotropia] Berard PV, et al. **J Fr Ophtalmol** 1985;8(2):125–32 (Eng. Abstr.) (Fre)

[History of strabismus surgery] Remy C, et al. **J Fr Ophtalmol** 1984;7(6–7):493–8 (Eng. Abstr.) (Fre)

[Technic and results of inferior oblique advancement in incomitant strabismus (the A phenomenon)] Schulz E, et al. **Fortschr Ophthalmol** 1984;81(5):490–3 (Eng. Abstr.) (Ger)

[Pre- and postoperative accommodative convergence/accommodation (AC/A) ratio: preliminary study of computer-assisted analyses] Tagliabo' R, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2359–64 (Eng. Abstr.) (Ita)

[Measurement of cyclodeviation with fundus haploscope. Part 6. The effect of strabismus surgery on cyclodeviation] Takahashi F. **Nippon Ganka Gakkai Zasshi** 1985 Mar; 89(3):476–81 (Eng. Abstr.) (Jpn)

[Modification of the operation on the horizontal rectus muscles depending on the differences between the angles of strabismus and distant and near vision] Baranowska-George T, et al. **Klin Oczna** 1984 Sep; 86(9):409–11 (Eng. Abstr.) (Pol)

[Treatment of strabismus in adults and adolescents] Baranowska-George T. **Klin Oczna** 1984 Sep;86(9):417-9 (Eng. Abstr.) **(Pol)**

[Congenital ophthalmoplegia. Methods and results of surgical treatment] Duszyk D, et al. **Klin Oczna** 1984 Sep;86(9):387-9 (Eng. Abstr.) **(Pol)**

[Suggested surgical procedure in a case of asymmetry of eyeball insertion of the median and lateral rectus muscles in strabismus] Fabiszewska-Górna D. **Klin Oczna** 1984 Sep;86(9):399-401 (Eng. Abstr.) **(Pol)**

[Use of Jampolsky's adjustable sutures in the treatment of eye movement disorders] Krzystkowa K, et al. **Klin Oczna** 1984 Sep;86(9):403-6 (Eng. Abstr.) **(Pol)**

[A case of post-traumatic paralytic convergent strabismus treated surgically with subsequent return of binocular vision] Pojda SM. **Klin Oczna** 1984 Oct;86(10):445-6 (Eng. Abstr.) **(Pol)**

[Use of Cüppers' sutures in the treatment of alternating-angle strabismus] Stefaniakowa E. **Klin Oczna** 1984 Sep;86(9):407-8 (Eng. Abstr.) **(Pol)**

[Evaluation of the conjunctival incision by the Fells method in the surgical treatment of horizontal strabismus] Wybudowska A. **Klin Oczna** 1984 Sep;86(9):415-6 (Eng. Abstr.) **(Pol)**

[Surgical treatment of paralytic strabismus using dura mater transplants] Chekhova SP. **Oftalmol Zh** 1985;(2):80-2 (Eng. Abstr.) **(Rus)**

[Remote results of the surgical treatment of paralytic strabismus in children] Kovalevskii EI, et al. **Oftalmol Zh** 1985;(2):70-2 (Eng. Abstr.) **(Rus)**

[Selection of the method and the results of surgical treatment of concomitant strabismus in children] Aubakirova AZh. **Vestn Oftalmol** 1984 Nov-Dec;(6):38-41 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

[Use of the Avetisov operation in paralysis of the external rectus muscle] Rozenblium IuZ. **Oftalmol Zh** 1985;(2):77-80 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Intermitochondrial junctions in the extraocular muscle of the rat. Davidowitz J, et al. **Cell Tissue Res** 1984;238(2):417-9

Ultrastructure of the levator muscle of the eyelid in ptosis due to third nerve palsy. Bonavolontà O, et al. **Doc Ophthalmol** 1984 Nov 15;58(3):233-40

[Oculomotor paralysis with cyclic spasms; electromyographic and electron microscopic indications of chronic peripheral nerve irritation] Kommerell G, et al. **Fortschr Ophthalmol** 1985;82(2):203-4 (Eng. Abstr.) **(Ger)**

OCULOMOTOR NERVE

Primary aberrant regeneration of the oculomotor nerve. Occurrence in a patient with abetalipoproteinemia. Cohen DA, et al. **Arch Neurol** 1985 Aug;42(8):821-3

Neurinoma of the oculomotor nerve. Okamoto S, et al. **Surg Neurol** 1985 Sep;24(3):275-8

ABNORMALITIES

Agenesis of the oculomotor and trochlear nerves in a hydrocephalic foal. Muttini A. **Zentralbl Veterinarmed** [A] 1984 Oct;31(9):719-24

ANATOMY & HISTOLOGY

The oculomotor nucleus, not the abducent, innervates the muscles which advance the nictitating membrane in birds. Bravo H, et al. **Acta Anat (Basel)** 1985;122(2):99-104

Quantitative and morphological studies on the plasticity of mixed synapses as exemplified by clear, spherical vesicles. Saballus R, et al. **J Hirnforsch** 1984;25(6):593-601

A direct projection from the nucleus oculomotorius to the retina in rats. Hoogland PV, et al. **Neurosci Lett** 1985 May 23;56(3):323-8

BLOOD SUPPLY

Ischaemic oculomotor nerve palsy. Clinical features and vascular risk factors in 23 patients. Teuscher AU, et al. **J Neurol** 1985;232(3):144-9

CYTOLOGY

[Experimental study of the identification of extraocular muscle motoneurons by retrograde transport of HRP (horseradish peroxidase)] Matsumoto H, et al. **Nippon Ganka Gakkai Zasshi** 1984 Nov;88(11):1369-75 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

The relationship between tonic vergence and oculomotor stress induced by ethanol. Hogan RE, et al. **Ophthalmic Physiol Opt** 1985;5(1):43-51

METABOLISM

[Binding sites for 5-hydroxytryptophan in the oculomotor nucleus and red nucleus of rat brain] Touret M, et al. **C R Acad Sci [III]** 1984;299(10):427-30 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Superior division paresis of the oculomotor nerve. Guy J, et al. **Ophthalmology** 1985 Jun;92(6):777-84

PHYSIOLOGY

Modulation of vestibulo-ocular reflex (VOR) by active stabilization of head to trunk. Leopold HC, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):102-6

Afferent trigeminal fibres in the oculomotor nerve and their physiological role. Manni E, et al. **Doc Ophthalmol** 1984 Aug 15;58(1):101-7

Linear integration of convergent visual inputs in an oculomotor reflex pathway. Glantz RM, et al. **J Neurophysiol** 1984 Dec;52(6):1213-25

Neural control of vergence eye movements: activity of abducens and oculomotor neurons. Mays LE, et al. **J Neurophysiol** 1984 Oct;52(4):743-61

Superior vestibular nucleus neurones related to the excitatory vestibulo-ocular reflex of anterior canal origin and their ascending course in the cat. Hirai N, et al. **Neurosci Res** 1984 Feb;1(1):73-9

[The interstitial nucleus of Cajal: its connections and functional considerations] Fukushima K, et al. **Nippon Seirigaku Zasshi** 1985;47(3):115-29 (145 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Vestibular compensation after acoustic neuroma surgery. Pfaltz CR, et al. **Adv Otorhinolaryngol** 1984;34:164-75

[Case of cerebral aneurysm producing the aberrant regeneration of the oculomotor nerve] Watanabe A, et al. **No To Shinkei** 1984 Aug;36(8):743-7 (Eng. Abstr.) **(Jpn)**

[A case of primary aberrant oculomotor regeneration due to intracavernous aneurysm] Mori M, et al. **Rinsho Shinkeigaku** 1984 Aug;24(8):765-8 (Eng. Abstr.) **(Jpn)**

SURGERY

Suprasellar recurrence of third nerve neurinoma [letter] Vaquero J, et al. **J Neurosurg** 1985 Feb;62(2):317

[Experimental microsurgical exposure of cranial nerves III, IV and VI in the cat] Sandvoss G, et al. **Neurochirurgia (Stuttg)** 1984 Sep;27(5):129-32 (Eng. Abstr.) **(Ger)**

[Oculomotor nerve anastomosis: an experimental study in the dog] Saitoh K. **No Shinkei Geka** 1984 Nov;12(12):1359-66 (Eng. Abstr.) **(Jpn)**

OCULOMOTOR PARALYSIS see **OPHTHALMOPLEGIA**

OCYTOCIN see **OXYTOCIN**

ODDI'S SPHINCTER see under **VATER'S AMPULLA**

ODONTOBLASTS

ANALYSIS

Ruthenium hexammine trichloride-positive materials in developing mouse molar predentine and intercellular spaces between preodontoblasts. Furuhashi K, et al. **J Electron Microsc (Tokyo)** 1984;33(4):384-7

Localization of calcium in differentiating odontoblasts and ameloblasts before and during early dentinogenesis and amelogenesis in hamster tooth germs. Lyaruu DM, et al. **J Histochem Cytochem** 1985 Jun;33(6):595-603

CYTOLOGY

Cell sizes and apposition of dental hard tissues in rats. Lange A, et al. **Acta Odontol Scand** 1984 Aug;42(4):215-23

Effects of pulp removal and organ culture on adult rat incisor odontoblasts. Ameloot PC, et al. **J Biol Buccale** 1985 Mar;13(1):11-8

DRUG EFFECTS

Effects of methylmercury chloride on rat incisor odontoblasts and dentinogenesis. Dahl JE. **Acta Odontol Scand** 1984 Aug;42(4):251-5

Comparative radioautographic study of the effects of L-azetidine-2-carboxylic acid on matrix secretion and Golgi of the mouse incisor. Cho MI, et al. **Calcif Tissue Int** 1984 Jul;36(4):409-20

The effects of colchicine on the ultrastructure of the dental epithelium and odontoblasts of teleost tooth buds. Prostak K, et al. **J Craniofac Genet Dev Biol** 1985;5(1):75-88

METABOLISM

Odontoblast turnover in the impeded and unimpeded rat incisor derived from computerized histomorphometry. Weinreb M Jr, et al. **Anat Rec** 1985 Feb;211(2):218-25

Radioautographic analysis of [3H]-fucose utilization by mouse odontoblasts with emphasis on intracytoplasmic and plasma membrane glycoproteins. Cho MI, et al. **Arch Oral Biol** 1985;30(2):111-20

The biosynthesis of dentin phosphophoryns by rat incisor odontoblasts in organ culture. DiMuzio MT, et al. **Calcif Tissue Int** 1985 May;37(3):242-9

[Demonstration of lipids by imidazole-buffered osmium tetroxide in the odontoblasts and cells of the enamel organ in the rat incisor] Goldberg M, et al. **J Biol Buccale** 1984 Dec;12(4):317-30 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Odontoblast differentiation and the formation of the odontoblast layer. Ruch JV. **J Dent Res** 1985 Apr;64 Spec No:489-98

Reaction paper: odontoblasts. Ten Cate AR. **J Dent Res** 1985 Apr;64 Spec No:549-51

ULTRASTRUCTURE

Intercellular junctions between human odontoblasts. A freeze-fracture study after demineralization. Callé A. **Acta Anat (Basel)** 1985;122(3):138-44

A combined scanning electron microscopy and immunofluorescence study demonstrating that the odontoblast process extends to the dentinoenamel junction in human teeth. Sigal MJ, et al. **Anat Rec** 1984 Nov;210(3):453-62

Inter-odontoblastic fibres in human dentine observed by scanning electron microscopy. Szabó J, et al. **Arch Oral Biol** 1985;30(2):161-5

Evidence for tight junctions between odontoblasts in the rat incisor. Bishop MA. **Cell Tissue Res** 1985;239(1):137-40

Scanning electron microscopic studies of the human odontoblasts. Alwas-Danowska HM. **Folia Morphol** 1984;43(3):185-90

New immunological approaches to studying the odontoblast. Aubin JE. **J Dent Res** 1985 Apr;64 Spec No:515-22

The odontoblast process: form and function. Holland GR. **J Dent Res** 1985 Apr;64 Spec No:499-514

Ultrastructural relationships between the sensory nerve terminals and the odontoblast process in the human dental pulp. Shiromoto M. **Kurume Med J** 1984;31(3):185-95

[Scanning electron microscopy of the extension of odontoblastic prolongations in dentin canaliculi] Piacentini C, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jul;27(3):219-31 (Eng. Abstr.) **(Fre)**

ODONTOCLASTS see **OSTEOCLASTS**

ODONTOGENESIS

Organ culture study of effect of vitamin-A-deficiency on rat third molar development. Navia JM, et al. **Arch Oral Biol** 1984;29(11):911-20

The biosynthesis of dentin phosphophoryns by rat incisor odontoblasts in organ culture. DiMuzio MT, et al. **Calcif Tissue Int** 1985 May;37(3):242-9

Dental maturity as an indicator of chronological age: the accuracy and precision of three methods. Hägg U, et al. **Eur J Orthod** 1985 Feb;7(1):25-34

Dental development in precocious puberty. Roberts MW, et al. **J Dent Res** 1985 Aug;64(8):1084-6

Uptake of cadmium in developing rat teeth in organ culture. Rahkamo A, et al. **Scand J Dent Res** 1985 Jun;93(3):198-203

Associations of some variables to tooth formation in children with isolated cleft palate. Ranta R. **Scand J Dent Res** 1984 Dec;92(6):496-502

[Role of the genes in odontogenesis] Farge P, et al. **Rev Stomatol Chir Maxillofac** 1984;85(5):435-7 (Eng. Abstr.) **(Fre)**

[Effect of embryonic magnesium deficiency on odontogenesis in Wistar rats] Hummel H, et al. **Zahn Mund Kieferheilkd** 1985;73(1):18-24 (Eng. Abstr.) **(Ger)**

[Histogenetic studies on the teeth of the marble gourami. (Trichogaster trichopterus)] Togo Y. **Kokubyo Gakkai Zasshi** 1984 Sep;51(3):493-535 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Short-term effects of fluoride on biosynthesis of enamel-matrix proteins and dentine collagens and on mineralization during hamster tooth-germ development in organ culture. Bronckers AL, et al. **Arch Oral Biol** 1985;30(2):181-91

The effects of colchicine on the ultrastructure of the dental epithelium and odontoblasts of teleost tooth buds. Prostak K, et al. **J Craniofac Genet Dev Biol** 1985;5(1):75-88

RADIATION EFFECTS

The effects of X-ray irradiation of the head region of eight-day-old rats on the development of molar and incisor teeth. Karadžov OM, et al. **Strahlentherapie** 1985 Jul;161(7):448-52

ODONTOGENESIS IMPERFECTA

FAMILIAL & GENETIC

Odontoonychodysplasia with alopecia: a new pure ectodermal dysplasia with probable autosomal recessive inheritance. Pinheiro M, et al. **Am J Med Genet** 1985 Jan;20(1):197-202

PATHOLOGY

Abnormal odontogenesis: report of case. Hainline-Raez AG, et al. **ASDC J Dent Child** 1985 Mar-Apr;52(2):130-3

Pericoronal features of regional odontodysplasia. Gould AR.

et al. **J Oral Med** 1984 Oct-Dec;39(4):236-42

ODONTOGENIC CYSTS

ANALYSIS

Glycosaminoglycans in fluid aspirates from odontogenic cysts. Smith G, et al. **J Oral Pathol** 1984 Dec;13(6):614-21

BLOOD

Relation of blood group carbohydrates to differentiation patterns of normal and pathological odontogenic epithelium. Vedtofte P, et al.
Acta Pathol Microbiol Immunol Scand [A] 1985 Jan; 93(1):25-34

CLASSIFICATION

[Clinical review of the jaw cysts--special reference to the primordial cyst] Enomoto S. **Kokubyo Gakkai Zasshi** 1984 Dec;51(4):619-26 **(Jpn)**

COMPLICATIONS

Pan-mandibular keratocyst with eosinophilia. Gupta DS, et al. **Int J Oral Surg** 1985 Jun;14(3):311-3

DIAGNOSIS

[Keratinized odontogenic cysts. Comments on 4 cases] Lavorgna G, et al. **Minerva Stomatol** 1984 Sep-Oct; 33(5):755-63 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Histoenzymological features of epithelial cells in lesions of oral mucosa in cysts and ameloblastomas of jaws. Chomette G, et al. **Int J Oral Surg** 1985 Feb;14(1):61-72

FAMILIAL & GENETIC

Familial odontogenic keratocysts. Report of 3 cases and review of Japanese dental literature. Kamiya Y, et al.
Int J Oral Surg 1985 Feb;14(1):73-80

METABOLISM

Intra-epithelial hyaline bodies in odontogenic cysts: an immunoperoxidase study. Browne RM, et al.
J Oral Pathol 1985 May;14(5):422-8

OCCURRENCE

Odontogenic keratocysts: review of the literature and report of sixteen cases. Zachariades N, et al.
J Oral Maxillofac Surg 1985 Mar;43(3):177-82

PATHOLOGY

Pathologic quiz case 1. Odontogenic keratocyst (OKC). Dierks EJ, et al. **Arch Otolaryngol** 1985 May;111(5):346, 347, 348

Autofluorescent granular cells in odontogenic cysts. Browne RM, et al. **Histopathology** 1984 Nov;8(6):937-45

Squamous cell carcinoma arising in the lining of odontogenic cysts. Report of 5 cases. Van der Waal I, et al.
Int J Oral Surg 1985 Apr;14(2):146-52

Development of a keratocyst in the facial soft tissues. van der Wal KG. **J Oral Maxillofac Surg** 1985 Aug;43(8):614-6

The botryoid odontogenic cyst. Report of a case and review of the literature. Lynch DP, et al. **J Periodontol** 1985 Mar; 56(3):163-7

[Primary multilocular mandibular cyst and its malignant degeneration] Urmösi J, et al. **Fogorv Sz** 1984 Aug; 77(8):247-53 (Eng. Abstr.) **(Hun)**

RADIOGRAPHY

Computed tomography in the diagnosis of an odontogenic keratocyst. MacKenzie GD, et al.
Oral Surg Oral Med Oral Pathol 1985 Mar;59(3):302-5

[CAT in the diagnosis and localization of large odontogenic maxillary or mandibular cysts] Peres F, et al.
Rev Port Estomatol Cir Maxilofac 1984 Jul-Sep; 25(3):865-86 (Eng. Abstr.) **(Por)**

SURGERY

The conservative management of large odontogenic keratocysts. Eyre J, et al. **Br J Oral Maxillofac Surg** 1985 Jun;23(3):195-203

Mandibular keratocysts: surgical management. Irvine GH, et al. **Br J Oral Maxillofac Surg** 1985 Jun;23(3):204-9

Odontogenic keratocyst of the maxilla: a case report. Lund VJ. **Br J Oral Maxillofac Surg** 1985 Jun;23(3):210-5

Odontogenic keratocyst [letter] Shah A, et al.
Ear Nose Throat J 1984 Nov;63(11):569-71

Treatment of the odontogenic keratocyst by combined enucleation and cryosurgery. Webb DJ, et al.
Int J Oral Surg 1984 Dec;13(6):506-10

[Method for surgically treating mandibular odontogenic cysts in children] Turkevich GB. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):66-7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

A pigmented odontogenic keratocyst. Macleod RI, et al.
Br J Oral Maxillofac Surg 1985 Jun;23(3):216-9

Scanning electron microscopic study of odontogenic keratocysts. Hwang BT, et al.
Oral Surg Oral Med Oral Pathol 1984 Nov;58(5):568-74

Ultrastructure of odontogenic jaw cysts. Meurman JH, et al. **Scand J Dent Res** 1984 Dec;92(6):577-86

ODONTOGENIC TUMORS

Adenomatoid odontogenic tumour of the jaws. Parkash H, et al. **J Dent** 1984 Dec;12(4):297-301

Unusual Gorlin cyst with traumatic neuroma. Zachariades N. **J Oral Med** 1985 Apr-Jun;40(2):87-90, 97

ANALYSIS

Identification of basement membrane components and intermediate filaments in calcifying epithelial odontogenic tumors. Sauk JJ, et al. **J Oral Pathol** 1985 Feb;14(2):133-40

BLOOD

Relation of blood group carbohydrates to differentiation patterns of normal and pathological odontogenic epithelium. Vedtofte P, et al.
Acta Pathol Microbiol Immunol Scand [A] 1985 Jan; 93(1):25-34

CHEMICALLY INDUCED

Chemically induced rat odontomas: morphogenetic considerations. Rivenson A, et al. **Cancer Detect Prev** 1984; 7(4):293-8

DIAGNOSIS

Odontogenic myxoma. Webb DJ, et al. **Int J Oral Surg** 1984 Oct;13(5):448-51

[An unusual adenomatoid odontogenic tumor in the mandible resembling a cyst--a case report] Kuo YS, et al.
Taiwan I Hsueh Hui Tsa Chih 1985 Mar;84(3):429-34 (Eng. Abstr.) **(Chi)**

ETIOLOGY

[Development of tooth germ culture and in vitro-in vivo tumorigenesis studies] Ogawa I, et al.
Kokubyo Gakkai Zasshi 1985 Mar;52(1):166 **(Jpn)**

FAMILIAL & GENETIC

Familial hyperparathyroidism associated with cementifying fibromas of the jaws in two siblings. Warnakulasuriya S, et al. **Oral Surg Oral Med Oral Pathol** 1985 Mar; 59(3):269-74

OCCURRENCE

A survey of tumours of the jawbones in Hong Kong Chinese: 1963-1982. Wu PC, et al. **Br J Oral Maxillofac Surg** 1985 Apr;23(2):92-102

Adenomatoid odontogenic tumor in a black African population: report of thirteen cases. Ajagbe HA, et al.
J Oral Maxillofac Surg 1985 Sep;43(9):683-7

PATHOLOGY

Abnormal odontogenesis: report of case. Hainline-Raez AG, et al. **ASDC J Dent Child** 1985 Mar-Apr;52(2):130-3

Benign fibro-osseous jaw lesions of periodontal membrane origin. An analysis of 249 cases. Hamner JE 3d, et al.
Cancer 1968 Oct;22(4):861-78

The duality of the cell population in a calcifying epithelial odontogenic tumour (CEOT). El-Labban NG, et al.
Histopathology 1984 Jul;8(4):679-91

Unusual myxomatous odontogenic tumour with calcification. Rennie JS, et al. **Int J Oral Surg** 1985 Jun;14(3):307-10

Odontogenic fibroma of the complex (WHO) type: report of six cases. Doyle JL, et al. **J Oral Maxillofac Surg** 1985 Sep;43(9):666-74

Squamous odontogenic fibroma. Erseven G, et al.
J Oral Maxillofac Surg 1985 Feb;43(2):136-8

Bilateral maxillary squamous odontogenic tumors and the malignant transformation of a mandibular radiolucent lesion. Norris LH, et al. **J Oral Maxillofac Surg** 1984 Dec; 42(12):827-34

Encephalocraniocutaneous lipomatosis and mixed odontogenic tumors. Savage MG, et al.
J Oral Maxillofac Surg 1985 Aug;43(8):617-20

Ameloblastic fibroma in an infant. Young AH.
J Oral Maxillofac Surg 1985 Apr;43(4):289-92

The peripheral odontogenic fibroma: a retrospective study. Mulcahy JV, et al. **J Oral Med** 1985 Jan-Mar;40(1):46-8

Peripheral calcifying odontogenic cyst (Gorlin cyst). Swan RH, et al. **J Periodontol** 1985 Jun;56(6):340-3

Calcifying odontogenic cysts (keratoameloblatomas). Jung I, et al. **Morphol Embryol (Bucur)** 1984 Jul-Sep;30(3):201-4

The mixed odontogenic tumors. Gardner DG.
Oral Surg Oral Med Oral Pathol 1984 Aug;58(2):166-8

Ghost cells in complex odontoma: a light microscopic and SEM study. Kerebel B, et al.
Oral Surg Oral Med Oral Pathol 1985 Apr;59(4):371-8

Recurrent calcifying odontogenic cyst. Wright BA, et al.
Oral Surg Oral Med Oral Pathol 1984 Nov;58(5):579-83

Multiple odontomas. Review of the literature and report of a new case. Lamberg MA, et al. **Proc Finn Dent Soc** 1984; 80(4):169-74

Ameloblastic fibrosarcoma in the maxilla, malignant transformation of ameloblastic fibroma. Takeda Y, et al.
Virchows Arch [A] 1984;404(3):253-63

[The keratinizing and calcifying odontogenic cyst. A case report] Kuo YS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Nov;83(11):1172-7 (Eng. Abstr.) **(Chi)**

[Bifocal odontogenic calcified epithelial tumor (Pindborg's tumor). A morphologic and ultrastructural study] Chomette G, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(4):329-36 (Eng. Abstr.) **(Fre)**

[Mandibular aneurysmal cyst associated with cementifying fibroma. A case report] De Roquancourt A, et al.
Rev Stomatol Chir Maxillofac 1984;85(4):325-8 (Eng. Abstr.) **(Fre)**

[Case of a rare maxillary tumor: osteocementofibroma] Mugnier A, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(5):399-402 (Eng. Abstr.) **(Fre)**

[Primary multilocular mandibular cyst and its malignant degeneration] Urmösi J, et al. **Fogorv Sz** 1984 Aug; 77(8):247-53 (Eng. Abstr.) **(Hun)**

[Cementoma of the frontal sinus] Rylkin AI, et al.
Vestn Otorinolaringol 1984 Sep-Oct;(5):67 **(Rus)**

RADIOGRAPHY

Triangular-shaped radiolucent area between roots of the mandibular right canine and first premolar. Warnock GR, et al. **J Am Dent Assoc** 1985 Jun;110(6):945-6

Erupted odontoma. Al-Sahhar WF, et al.
Oral Surg Oral Med Oral Pathol 1985 Feb;59(2):225-6

Tumour-like lesions in the femur with cementum-like material. Does a 'cementoma' of long bone exist? Adler CP. **Skeletal Radiol** 1985;14(1):26-37

[Adenomatoid odontogenic tumor] Precious DS, et al.
Rev Stomatol Chir Maxillofac 1984;85(6):472-6 (Eng. Abstr.) **(Fre)**

[Composite odontoma and complex odontoma. Radiologic considerations] Fucci G, et al. **Minerva Stomatol** 1984 Nov-Dec;33(6):957-60 (Eng. Abstr.) **(Ita)**

SURGERY

Endodontic treatment of a cementoblastoma. Goerig AC, et al. **Oral Surg Oral Med Oral Pathol** 1984 Aug; 58(2):133-6

ULTRASTRUCTURE

Ameloblastic fibro-odontome. Report of a case, with ultrastructural study. Reich RH, et al.
J Maxillofac Surg 1984 Oct;12(5):230-4

VETERINARY

Ameloblastic odontoma in a dog. Nold JB, et al.
J Am Vet Med Assoc 1984 Nov 1;185(9):996-8

Compound odontoma in a dog. Valentine BA, et al.
J Am Vet Med Assoc 1985 Jan 15;186(2):177-9

Amyloidosis associated with a calcifying ameloblastoma (calcifying epithelial odontoma) in a cat. Langham RF, et al. **Vet Pathol** 1984 Sep;21(5):549-50

[Ameloblastic odontoma in a cow] Loupal G, et al.
Tierarztl Prax 1984;12(1):13-8 **(Ger)**

ODONTOID PROCESS see under **AXIS**

ODONTOMA see under **ODONTOGENIC TUMORS**

ODONTOMETRY

A metric analysis of occlusal morphology between three population samples. Lavelle CL.
Bull Group Int Rech Sci Stomatol Odontol 1984 Jul; 27(3):181-98

[Difference between the sexes reflected in the crown size of permanent teeth] Götz G, et al. **Fogorv Sz** 1984 Oct; 77(10):306-9 **(Hun)**

ODORS

see related
SMELL

Ammonia-like taint and creatine, creatinine and dimethylamine contents in reindeer meat. Rogstadkjaernet M, et al. **Acta Vet Scand** 1985;26(1):143-4

Smell of danger: an analysis of LP-gas odorization. Cain WS, et al. **Am Ind Hyg Assoc J** 1985 Mar;46(3):115-26 (51 ref.)

Responses of male mice to odors of females: effects of T- and H-2-locus genotype. Egid K, et al. **Behav Genet** 1985 May;15(3):287-95

Female discrimination of male odors correlated with male genotype at the T locus: a response to T-locus or H-2-locus variability? Lenington S, et al. **Behav Genet** 1985 Jan;15(1):53-67

Taste potentiation of poisoned odor by temporal contiguity. Coburn KL, et al. **Behav Neurosci** 1984 Oct;98(5):813-9

Intracellular potentials of salamander mitral/tufted neurons in response to odor stimulation. Hamilton KA, et al.
Brain Res 1985 Jul 8;338(1):181-5

Olfactory discrimination of structurally related molecules: receptor cell responses to camphoraceous odorants. Sicard G. **Brain Res** 1985 Feb 11;326(2):203-12

Responsiveness of the olfactory receptor cells in dog to some odors. Tonosaki K, et al. **Comp Biochem Physiol** [A] 1985; 81(1):7-13

Home odor preferences in young hares (Lepus capensis

syriacus): effects of age and role of maternal presence. Stavy M, et al. **Dev Psychobiol** 1985 Mar;18(2):125-39
Purification and characterisation of an odorant-binding protein from cow nasal tissue. Bignetti E, et al. **Eur J Biochem** 1985 Jun 3;149(2):227-31
The delayed stress syndrome. Monaghan FJ. **Int J Psychosom** 1985;32(2):20-3
Fostering lambs by odor transfer: the substitution experiment. Price EO, et al. **J Anim Sci** 1984 Aug;59(2):301-7
Unusual body odour due to a nasal foreign body in a child. Eun HC, et al. **J Dermatol (Tokyo)** 1984 Oct;11(5):501-3
Behavioural responses of Rhipicephalus sanguineus, R. turanicus and R. guilhoni ticks to relative humidity, light and host odour. Hafez M, et al. **J Egypt Soc Parasitol** 1984 Dec;14(2):623-35
Odour recognition by male hamsters: discrimination of the hormonal state of females by odour from vaginal secretions. Steel E. **J Endocrinol** 1985 May;105(2):255-62
You're in for a treat: asparagus. Sugarman J, et al. **NC Med J** 1985 Jun;46(6):332-4
Changes in alcohol intake resulting from prior experiences with alcohol odor in young rats. Molina JC, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):387-91
Quality and intensity of binary odor mixtures. Laing DG, et al. **Physiol Behav** 1984 Aug;33(2):309-19
Odor signatures and kin recognition. Porter RH, et al. **Physiol Behav** 1985 Mar;34(3):445-8
Isolation and characterization of an olfactory receptor protein for odorant pyrazines. Pevsner J, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):3050-4
Urinary odours as a source of indirect drug effects on the behaviour of male mice. Dixon AK, et al. **Prog Clin Biol Res** 1984;167:81-91
[Aroma therapy] Buchbauer G, et al. **Pharm Unserer Zeit** 1985 Jan;14(1):8-18 **(Ger)**
[Current concepts of the principles of odor discrimination in the olfactory organ of vertebrates] Gladysheva OS, et al. **Usp Fiziol Nauk** 1985 Apr-Jun;16(2):98-111 (98 ref.) **(Rus)**

ANALYSIS

Olfactory, gas chromatographic and mass-spectral analyses of fecal volatiles traced to ingested licorice and apple. Moore JG, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):339-46
Fecal odorgrams. A method for partial reconstruction of ancient and modern diets. Moore JG, et al. **Dig Dis Sci** 1984 Oct;29(10):907-11
The urine smell around patients with urinary incontinence. The production of ammonia in ordinary diapers and in diapers impregnated with copper acetate. Norberg A, et al. **Gerontology** 1984;30(4):261-6
[Studies on the aromatic constituents of crude drugs. I. On the aromatic constituents of ginseng radix] Iwabuchi H, et al. **Yakugaku Zasshi** 1984 Sep;104(9):951-8 (Eng. Abstr.) **(Jpn)**

OEDIPUS COMPLEX see under **PSYCHOANALYTIC THEORY**

OESOPHAGOSTOMIASIS

VETERINARY

Neutrophilic nodules in the intestinal walls of Japanese monkeys associated with the neutrophil chemotactic activity of larval extracts and secretions of Oesophagostomum aculeatum. Horii Y, et al. **Res Vet Sci** 1985 Jan;38(1):115-9
[Pathogenic role of O. venulosum in lambs] Badrie F, et al. **Vet Med Nauki** 1985;22(6):34-40 (Eng. Abstr.) **(Bul)**

OESOPHAGOSTOMUM

DRUG EFFECTS

The effect of continuous in-feed medication with thiophanate on Ascaris suum and Oesophagostomum spp. egg output in young pigs. Martinsson K, et al. **Nord Vet Med** 1985 Mar-Apr;37(2):80-9

IMMUNOLOGY

Suppression of antigen- and mitogen-induced proliferation of bovine lymphocytes by excretory-secretory products of Oesophagostomum radiatum. Gasbarre LC, et al. **Infect Immun** 1985 May;48(2):540-5

PATHOGENICITY

[Pathogenic role of O. venulosum in lambs] Badrie F, et al. **Vet Med Nauki** 1985;22(6):34-40 (Eng. Abstr.) **(Bul)**

OFFICE MANAGEMENT

Computer simulation of an optometric practice. Nussenblatt H. **Am J Optom Physiol Opt** 1983 Sep;60(9):754-8
Do you need a computer in your office? Abbey DC, et al. **Iowa Med** 1985 Jan;75(1):9-12
Mirror, mirror on the wall ... reflections of yourself and your practice. Baldwin B, et al. **J Am Optom Assoc** 1984 Dec;55(12):918-21
Is your office computerized? Bartlett JD. **J Am Optom Assoc** 1985 Jul;56(7):530-1
Computerizing management in an optometric practice. Freeman DN. **J Am Optom Assoc** 1985 Jan;56(1):29-33
Upsets in your appointment schedule shouldn't upset patients. Weisenstein B. **J Am Optom Assoc** 1985 Jan;56(1):54-6
Using consultants shows you the forest. Weisenstein BJ. **J Am Optom Assoc** 1985 Jun;56(6):501-2
Computer systems should do more than blink at you. Weisenstein BJ. **J Am Optom Assoc** 1985 Jul;56(7):570-3
Unpaid accounts and how to cope with them. Abrahamson IA Jr. **Ohio State Med J** 1984 Dec;80(12):839-41
Is your office ready for a computer? Porter S. **Ohio State Med J** 1984 Dec;80(12):843-6
Getting your office staff in shape. Porter S. **Ohio State Med J** 1984 Dec;80(12):847-51
[Access to medical records in general practice] Mabeck CE. **Ugeskr Laeger** 1985 Apr 1;147(14):1221-3 (Eng. Abstr.) **(Dan)**
[Office automation work and health care] Hashida M. **Ann Physiol Anthropol** 1984 Oct;3(4):357-9 **(Jpn)**
[Some problems of health and work load with office mechanization] Onishi N. **Ann Physiol Anthropol** 1984 Oct;3(4):354-6 **(Jpn)**
[Human-OA interaction] Watanabe Y. **Ann Physiol Anthropol** 1984 Oct;3(4):352-3 **(Jpn)**
[Technological development and health problems in offices and commercial business] Sjølyst RA. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2497-9 **(Nor)**

ECONOMICS

A combination for success: the optometric partnership. Rheam DA, et al. **J Am Optom Assoc** 1984 Sep;55(9):685-9

METHODS

The design and use of a simple database for head and neck cancer. Huygen PL, et al. **Clin Otolaryngol** 1985 Jun;10(3):157-62

OFFICE SURGERY see **AMBULATORY SURGERY**

OFFICE VISITS

Social policy implications of physician shortage areas in Missouri. Hicks LL. **Am J Public Health** 1984 Dec;74(12):1316-21
Impact of patient care appraisal on physician behaviour in the office setting. Putnam RW, et al. **Can Med Assoc J** 1985 May 1;132(9):1025-9
Cross validation of model predicting (ir)regularity of dental attendance. Duivenvoorden HJ, et al. **Community Dent Oral Epidemiol** 1984 Oct;12(5):349-50
One-visit endodontics. Ashkenaz PJ. **Dent Clin North Am** 1984 Oct;28(4):853-63
Office treatment of traumatic perforations of the eardrum. Oppenheimer RP. **GP** 1968 Jan;37(1):95-7
Ambulatory visit groups: a framework for measuring productivity in ambulatory care. Fetter RB, et al. **Health Serv Res** 1984 Oct;19(4):415-37
Epidemic keratoconjunctivitis: report of an outbreak in an ophthalmology practice and recommendations for prevention. Buehler JW, et al. **Infect Control** 1984 Aug;5(8):390-4
Pulmonary function testing: use of the peak expiratory flow rate in an out-patient or office setting. Daman HR. **J Asthma** 1984;21(5):331-7
[Summary of consultations in a medical practice. Methods, results and problems in the interpretation of a survey carried out in Switzerland] Paccaud F, et al. **Arch Belg** 1984;42(1-2):10-25 **(Fre)**

UTILIZATION

Frequency of attendance in the General Dental Service in Scotland. A comparison with claimed attendance. Eddie S. **Br Dent J** 1984 Oct 20;157(8):267-70
Walk in surgery for children. Syed IA, et al. **Br Med J [Clin Res]** 1985 Aug 3;291(6491):318
Physicians' involvement with Medicare. AMA Center for Health Policy Research. **Conn Med** 1984 Aug;48(8):540-2
Frequent attenders in general practice: medical, psychological and social characteristics. Westhead JN. **J R Coll Gen Pract** 1985 Jul;35(276):337-40
Interaction effects in a multivariate model of physician visits by older people. Arling G. **Med Care** 1985 Apr;23(4):361-71
Family structure and children's use of ambulatory physician services. Cafferata GL, et al. **Med Care** 1985 Apr;23(4):350-60
The validity of self-reported physician utilization measures. Cleary PD, et al. **Med Care** 1984 Sep;22(9):796-803
Child consultation rates in service families. A comparison with civilians. Sidebotham CF. **Practitioner** 1985 Jul;229(1405):625, 627
[Assessment of the incidence of psoriasis based on data from office visits and medical examinations] Osmanova FM. **Vestn Dermatol Venerol** 1985 Jan;(1):46-8 (Eng. Abstr.) **(Rus)**
[Structure of the consultations for pediatric and adult illnesses in the offices of the Northwestern Metropolitan health Service (1980-1981)] López I, et al. **Rev Med Chil** 1983 Jul;111(7):727-37 (Eng. Abstr.) **(Spa)**

OIL OF CLOVES see **EUGENOL**

OILS

Effectiveness and reliability of medium term treatment with a diet rich in olive oil of patients with vascular diseases. Zoppi S, et al. **Acta Vitaminol Enzymol** 1985;7(1-2):3-8
Applicability of Henry's law to hydrogen, helium, and nitrogen solubilities in water and olive oil at 37 degrees C and pressures up to 300 atmospheres. Gerth WA. **Arch Biochem Biophys** 1985 Aug 15;241(1):187-99
Dietary modification of fatty acid and prostaglandin synthesis in the rat. Effect of variations in the level of dietary fat. Croft KD, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):196-207
Food intake of the laying hen following crop loads of maize oil and other nutrients. Sykes AH, et al. **Br Poult Sci** 1985 Apr;26(2):207-16
Effect of mustard & peanut oil on regression of experimentally induced aortic & coronary atherosclerosis of monkeys. Kukreja RS, et al. **Indian J Med Res** 1984 Aug;80:212-7
Development of haloperidol in oil injection formulations. Radd BL, et al. **J Parenter Sci Technol** 1985 Jan-Feb;39(1):48-51
[Growth and sporulation of dermatophytes in an unusual environment] Hiemer F, et al. **Cesk Epidemiol Mikrobiol Imunol** 1985 May;34(3):191-2 **(Cze)**

ADMINISTRATION & DOSAGE

Intraluminally injected oil induces changes in vascular permeability in the 'sensitized' and 'non-sensitized' uterus of the mouse. Milligan SR, et al. **J Reprod Fertil** 1985 May;74(1):95-104
Palm oil: a pilot study of its use in a nutrition intervention programme. Binns CW, et al. **J Trop Pediatr** 1984 Oct;30(5):272-4
The relation of growth performance to dietary oil source in African giant rat (Cricetomys gambianus Waterhouse). Amubode FO. **Lab Anim** 1985 Apr;19(2):134-7
Brominated fatty acid distribution in tissues and fluids of rats fed brominated vegetable oils. Lawrence JF, et al. **Lipids** 1984 Sep;19(9):704-7
Regulation of prostanoid production by dietary fatty acids. Hornstra G. **Med Biol** 1984;62(5):261-2
Importance of the ileum in neurotensin released by fat. Walker JP, et al. **Surgery** 1985 Aug;98(2):224-9
Palm oil and pyrantel as child nutrition mass interventions in Papua New Guinea. Pust RE, et al. **Trop Geogr Med** 1985 Mar;37(1):1-10
[Results of linseed oil and olive oil therapy in hyperlipoproteinemia patients] Fischer S, et al. **Dtsch Z Verdau Stoffwechselkr** 1984;44(5):245-51 (Eng. Abstr.) **(Ger)**
[Long-term oil therapy in elderly patients with peripheral arterial occlusive disease] Reuter W, et al. **ZFA** 1985 May-Jun;40(3):171-5 (Eng. Abstr.) **(Ger)**
[Perspectives in the use of products of processing ether oil-yielding plants for the treatment of chronic dermatoses] Rodin IuA, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):42-4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Food contamination [letter] Kawane H. **Arch Intern Med** 1984 Oct;144(10):2100
Toxic-oil syndrome. Gallium-67 scanning and bronchoalveolar lavage studies in patients with abnormal lung function. De la Cruz JL, et al. **Chest** 1985 Sep;88(3):398-402
Toxic-oil syndrome. Epidemic with an elusive etiology [editorial] Kilbourne EM. **Chest** 1985 Sep;88(3):324-5
Glycosidase activities in sera from convalescent patients who ingested a toxic oil. Cabezas-Delamare MJ, et al. **Clin Chim Acta** 1985 Mar 15;146(2-3):129-34
Occupational dermatoses from cutting oils. Alomar A, et al. **Contact Dermatitis** 1985 Mar;12(3):129-38
Contact allergy to an olive oil containing ointment. de Boer EM, et al. **Contact Dermatitis** 1984 Aug;11(2):128-9
Hepatic injury in the toxic oil syndrome [letter] Diaz de Rojas F, et al. **Hepatology** 1985 Jan-Feb;5(1):166-7
Toxic oil syndrome and vinyl chloride disease [letter] Hernandez Bronchud M. **Lancet** 1984 Oct 20;2(8408):931
Collagen antibodies in toxic oil disease [letter] Pereira RS, et al. **Lancet** 1985 Feb 2;1(8423):273
Toxic oil. A salutary tale from modern history. Leavesley J. **Med J Aust** 1984 Aug 18;141(4):239-41
Cinnamon oil burn [letter] Sparks T. **West J Med** 1985 Jun;142(6):835
[Experimental diet and nutritional balance. Exemplified by colza oil] Ferrando R, et al. **Bull Acad Natl Med (Paris)** 1984 May-Jun;168(5-6):654-9 (Eng. Abstr.) **(Fre)**
[Detection of allergy to ethereal oils using balsams of a basic test set] Rudzki E, et al. **Przegl Dermatol** 1984 May-Jun;71(3):215-20 (Eng. Abstr.) **(Pol)**
[Immunologic considerations of toxic oil syndrome (letter)] Abaitua Borda I, et al. **Med Clin (Barc)** 1985 Jun 1;85(1):37-8 **(Spa)**
[Toxic oil syndrome and autoimmunity (letter)] San Segundo Barroso D, et al. **Med Clin (Barc)** 1985 Jun 1;85(1):37 **(Spa)**

ANALYSIS

Analysis of triglycerides in oils and fats by liquid chromatography with the laser light scattering detector. Stolyhwo A, et al. **Anal Chem** 1985 Jun;57(7):1342–54

Bioassay screening for toxicants in oil samples from the toxic-oil syndrome outbreak in Spain. Turner WE, et al. **Arch Environ Contam Toxicol** 1985 May;14(3):261–71

Chemical & nutritional studies on Acacia auriculaeformis seed oil. Mandal B, et al. **Indian J Med Res** 1984 Nov; 80:607–10

Detection of soy protein in soy lecithin, margarine and, occasionally, soy oil. Porras O, et al. **Int Arch Allergy Appl Immunol** 1985;78(1):30–2

Mass spectrometry and identification of sterols in vegetable oils as butyryl esters and relative quantitation by gas chromatography with flame ionization detection. Brumley WC, et al. **J Assoc Off Anal Chem** 1985 Jul–Aug; 68(4):701–9

Determination of aflatoxins in vegetable oils. Miller N, et al. **J Assoc Off Anal Chem** 1985 Jan–Feb;68(1):136–7

On-line gas chromatographic evaluation of iodine values in edible fats and oils. Kolarovic L, et al. **J Chromatogr** 1984 Nov 30;314:233–41

Quantitative analysis of phylloquinone (vitamin K1) in soy bean oils by high-performance liquid chromatography. Zonta F, et al. **J Chromatogr** 1985 Jul 19;329(2):257–63

Simple, rapid method for comparing the self-emulsifiability of hydrocarbon oils. Iranloye TA, et al. **J Pharm Sci** 1984 Sep;73(9):1267–70

Quantitative analysis of triglyceride species of vegetable oils by high performance liquid chromatography via a flame ionization detector. Phillips FC, et al. **Lipids** 1984 Nov; 19(11):880–7

Modified determination of 2-thiobarbituric acid value in fats and oils. Pokorný J, et al. **Nahrung** 1985;29(1):31–8

Effect of the nature of the oil and electrolyte concentration on the type and stability of emulsions. Uzuner YY, et al. **Pharm Acta Helv** 1985;60(7):199–202

The cone oil droplets of avian retinas. Goldsmith TH, et al. **Vision Res** 1984;24(11):1661–71

[Application of statistical methods in qualitative and quantitative analyses of orange-peel oil] Xiao CH. **Chung Yao Tung Pao** 1985 Feb;10(2):80–4 **(Chi)**

DIAGNOSTIC USE

The bile ducts after a fatty meal: further sonographic observations. Simeone JF, et al. **Radiology** 1985 Mar; 154(3):763–8

IMMUNOLOGY

Soybean oil is not allergenic to soybean-sensitive individuals. Bush RK, et al. **J Allergy Clin Immunol** 1985 Aug;76(2 Pt 1):242–5

METABOLISM

Oral stimulation alters digestion of intragastric oil meals in rats. Ramirez I. **Am J Physiol** 1985 Apr;248(4 Pt 2):R459–63

Effect of truncal vagotomy on GIP release induced by intraduodenal glucose or fat in dogs. Yoshiya K, et al. **Digestion** 1985;31(1):41–6

Endocrine adaptations of periparturient swine to alteration of dietary energy source. Steele NC, et al. **J Anim Sci** 1985 May;60(5):1260–71

Reduction in plasma cholesterol and increase in biliary cholesterol by a diet rich in n-3 fatty acids in the rat. Balasubramaniam S, et al. **J Lipid Res** 1985 Jun;26(6):684–9

Dietary effects of menhaden oil on the growth and membrane lipid composition of rat mammary tumors. Jurkowski JJ, et al. **JNCI** 1985 May;74(5):1145–50

Elimination of lipofundin S during the intravenous fat tolerance test in patients with low, medium, and high fasting triglyceride concentrations. Leonhardt W, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):461–3

Mammary transfer and metabolism in the rat of halogenated fatty acids of halogenated olive oil. Conacher HB, et al. **Lipids** 1984 Sep;19(9):637–42

Regional specialization of the quail retina: ganglion cell density and oil droplet distribution. Budnik V, et al. **Neurosci Lett** 1984 Sep 28;51(1):145–50

Effects of various oils and of starvation on the lipid metabolism in brain. Singh S, et al. **Z Ernahrungswiss** 1984 Dec;23(4):276–82

PHARMACODYNAMICS

Changes in the cholesterol level, cholesterol-to-phospholipid mole ratio, and membrane lipid microviscosity in rat brain induced by age and a plant oil mixture. Kessler AR, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1120–1

Fatty acid composition and action of serum lipoproteins on the PGI2-formation after various oil diets in hyperlipoproteinemia. Honigmann G, et al. **Biomed Biochim Acta** 1984;43(8–9):S443–6

Attenuation of high blood pressure by primrose oil, linseed oil and sunflowerseed oil in spontaneously hypertensive rats. Singer P, et al. **Biomed Biochim Acta** 1984; 43(8–9):S243–6

The effects of hydrogenated coconut oil, safflower oil, and evening primrose oil on development of hypertension and sodium handling in spontaneously hypertensive rats. Soma M, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):325–30

Hypolipidemic effects of onion oil and garlic oil in ethanol-fed rats. Bobboi A, et al. **Indian J Biochem Biophys** 1984 Jun;21(3):211–3

Dietary menhaden oil lowers plasma prostaglandins and calcium in mice bearing the prostaglandin-producing HSDM1 fibrosarcoma. Tashjian AH Jr, et al. **J Clin Invest** 1984 Dec;74(6):2042–8

Catabolism of newly formed triglyceride-rich lipoproteins and serum high density lipoproteins in rats fed soybean phospholipid and soybean oil. Murata M, et al. **J Nutr** 1985 Aug;115(8):994–1004

The effect of different oils on the absorption of probucol in the rat. Palin KJ, et al. **J Pharm Pharmacol** 1984 Sep; 36(9):641–3

Immune function during intravenous administration of a soybean oil emulsion. Ota DM, et al. **JPEN** 1985 Jan–Feb; 9(1):23–7

Effect of brominated vegetable oils on heart lipid metabolism Lombardo YB, et al. **Lipids** 1985 Jul;20(7):425–32

Pseudo dominant-lethal response in female mice treated with plant oils. Generoso WM, et al. **Mutat Res** 1984 Nov; 129(2):235–41

Reduction in thromboxane formation by n-3 fatty acids enriched lung microsomes from rat and guinea pig following the ingestion of dietary menhaden oil. Lokesh BR, et al. **Prostaglandins Leukotrienes Med** 1984 Sep; 15(3):337–48

Effect of medium-chain triglycerides and long-chain triglycerides on plasma pancreatic polypeptide secretion in man. de Jong AJ, et al. **Regul Pept** 1985 May;11(1):77–81

POISONING

Toxic oil syndrome, Spain: effect of oleoylanilide on the release of polysaturated fatty acids and lipid peroxidation in rats. Suarez A, et al. **Arch Environ Contam Toxicol** 1985 Mar;14(2):131–6

Toxic oil syndrome [letter] Díaz de Rojas F, et al. **Arch Intern Med** 1985 Mar;145(3):578

Toxic oil syndrome, scleroderma, and eosinophilic fasciitis [letter] Posada de la Paz M, et al. **Arthritis Rheum** 1984 Oct;27(10):1200

Polychlorinated biphenyls, dibenzofurans and quaterphenyls in toxic rice-bran oil and in the blood and tissues of patients with PCB poisoning (Yu-Cheng) in Taiwan. Chen PH, et al. **Environ Health Perspect** 1985 Feb;59:59–65

Discovery and epidemiology of PCB poisoning in Taiwan: a four-year followup. Hsu ST, et al. **Environ Health Perspect** 1985 Feb;59:5–10

PCBs, PCQs and PCDFs in blood of Yusho and Yu-Cheng patients. Kashimoto T, et al. **Environ Health Perspect** 1985 Feb;59:73–8

Clinical findings and immunological abnormalities in Yu-Cheng patients. Lü YC, et al. **Environ Health Perspect** 1985 Feb;59:17–29

PCB and PCDF congeners in the blood and tissues of Yusho and Yu-Cheng patients. Masuda Y, et al. **Environ Health Perspect** 1985 Feb;59:53–8

PCBs, PCQs and PCDFs in tissues of Yusho and Yu-Cheng patients. Miyata H, et al. **Environ Health Perspect** 1985 Feb;59:67–72

Respiratory involvement and immune status in Yusho patients. Nakanishi Y, et al. **Environ Health Perspect** 1985 Feb;59:31–6

Surveys of workers occupationally exposed to PCBs and of Yusho patients. Takamatsu M, et al. **Environ Health Perspect** 1985 Feb;59:91–7

Past and current dermatological status of Yusho patients. Urabe H, et al. **Environ Health Perspect** 1985 Feb;59:11–5

Relationship between the amount of rice oil ingested by patients with Yusho and their subjective symptoms. Yoshimura T, et al. **Environ Health Perspect** 1985 Feb; 59:47–51

Mitral valve prolapse secondary to right ventricular enlargement in patients with pulmonary hypertension after toxic rapeseed oil ingestion. García-Dorado D, et al. **Eur Heart J** 1985 Jan;6(1):85–90

Toxic oil syndrome. Aldridge WN. **Hum Toxicol** 1985 May; 4(3):231–5

Epidemic dropsy in Delhi. Mohan M, et al. **Indian Pediatr** 1984 Mar;21(3):241–7

Clinico-pathological and experimental study of epidemic dropsy. Misra NP, et al. **J Assoc Physicians India** 1984 Nov;32(11):943–7

Spanish toxic oil syndrome and chemically induced graft-versus-host-like reactions [letter] Kammüller ME, et al. **Lancet** 1984 Oct 6;2(8406):805–6

[Pulmonary function tests at different stages of toxic oil syndrome] Martin Escribano P, et al. **Bull Eur Physiopathol Respir** 1984 Jul–Aug;20(4):307–12 (Eng. Abstr.) **(Fre)**

[The vestibular system in patients with the so-called toxic syndrome] Gavilán C, et al. **An Otorrinolaringol Ibero Am** 1985;12(4):341–51 (Eng. Abstr.) **(Spa)**

[Toxic oil syndrome and autoimmunity? (letter)] Campos Ferrer A, et al. **Med Clin (Barc)** 1985 May 4;84(17):717 **(Spa)**

[Toxic oil syndrome and autoimmunity (letter)] Rodríguez de la Serna A. **Med Clin (Barc)** 1985 Jan 12;84(1):40 **(Spa)**

[Anesthetic implications of the Spanish toxic oil syndrome] Otero Huerta C, et al. **Rev Esp Anestesiol Reanim** 1985 May–Jun;32(3):101–6 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Comparison of the clinical and biochemical effect of increased alpha-linolenic acid in a safflower oil intravenous fat emulsion. McClead RE Jr, et al. **J Pediatr Gastroenterol Nutr** 1985 Apr;4(2):234–9

Administration of fat emulsions with nutritional mixtures from the 3-liter delivery system in total parenteral nutrition. Grimble GK, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):456–60

[Trial of onager oil in the treatment of schizophrenia in connection with the prostaglandin deficiency hypothesis] Bourguignon A, et al. **Encephale** 1984;10(5):241–4 (Eng. Abstr.) **(Fre)**

[Therapeutic effect of vegetable oils and ubiquinone-9 on radiation injuries] Kolomiltseva IK, et al. **Radiobiologiia** 1985 Jan–Feb;25(1):53–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Succinate dehydrogenase activity in relation with cardiac morphology in rats fed low erucic acid rapeseed oil. Grynberg A, et al. **Arch Anat Microsc Morphol Exp** 1984; 73(4):231–8

Toxicity of orally administered fat to the colonic epithelium of mice. Bird RP, et al. **Carcinogenesis** 1985 Jul;6(7):1063–6

Allergy to cutting oil. Shrank AB. **Contact Dermatitis** 1985 Apr;12(4):229

The effect of percutaneously applied corn oil on the humoral immune response of the suckling mouse. Barnett JB, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4–5):353–6

Initiation of a transplantable fibrosarcoma by the synergism of two non-initiators, alpha-tocopherol and soya oil. Constantinides P, et al. **Virchows Arch [A]** 1985; 405(3):285–97

OILS, ESSENTIAL see **OILS, VOLATILE**

OILS, IODIZED see **IODIZED OILS**

OILS, VOLATILE

ANALYSIS

The volatile constituents of the roots of Selinum tenuifolium. Dev V, et al. **J Nat Prod** 1984 Sep–Oct;47(5):904–5

Constituents of the essential oil of Blepharocalyx tweediei. Talenti EC, et al. **J Nat Prod** 1984 Sep–Oct;47(5):905–6

Composition of essential oil of Ocimum kilimandscharicum grown in Rwanda. Ntezurubanza L, et al. **Planta Med** 1984 Oct;50(5):385–8

[GC/MS analysis of volatile oils from Chinese Asarum species. II. Asarum sieboldii form. seoulense, A. forbesii, A. inflatum, A. magnificum var. dinghugense and A. caudigerum var. cardiophyllum] Pan JG. **Chung Yao Tung Pao** 1984 Jul;9(4):175–7 **(Chi)**

[The medicinal portion of leaves of the purple perilla available on the market and the quantitative determination of its volatile oil content] Wang HY. **Chung Yao Tung Pao** 1984 Jul;9(4):157–8 **(Chi)**

[Preparation of santalol by centrifugal-thin layer chromatographic method] Yu B. **Chung Yao Tung Pao** 1984 May;9(3):128–30 **(Chi)**

[Furocoumarins in essential oils. Identification and determination of 5-methoxypsoralen in sun products] Herpol-Borremans M, et al. **J Pharm Belg** 1985 May–Jun; 40(3):147–58 (Eng. Abstr.) **(Fre)**

[Plastic packs for drug preparations containing volatile oils. 88. Problems in filling plastic containers with liquid drug preparations] Döge EM, et al. **Pharmazie** 1984 Jun; 39(6):423–4 **(Ger)**

[Gas chromatographic retention behavior of substances of plant origin. I. Retention indices of the main components of lavender and lavender oils] Nyiredy S, et al. **Acta Pharm Hung** 1985 Mar;55(2):49–58 (Eng. Abstr.) **(Hun)**

DIAGNOSTIC USE

The value of a mixture of cassia and citronella oils for detection of hypersensitivity of essential oils. Rudzki E, et al. **Derm Beruf Umwelt** 1985;33(2):59–62

ISOLATION & PURIFICATION

Essential oils of some Amazonian zingiberaceae, 3. Genera Alpinia and Rengalmia. Luz AI, et al. **J Nat Prod** 1984 Sep–Oct;47(5):907–8

Essential oil of Psiadia arabica Jaub. et Spach. Mekkawi AG, et al. **Pharmazie** 1984 Jun;39(6):419–20

METABOLISM

Delayed release peppermint oil capsules (Colpermin) for the spastic colon syndrome: a pharmacokinetic study. Somerville KW, et al. **Br J Clin Pharmacol** 1984 Oct; 18(4):638–40

PHARMACODYNAMICS

Relaxant effects on tracheal and ileal smooth muscles of the guinea pig. Reiter M, et al **Arzneimittelforsch** 1985; 35(1A):408–14

Effect of Rowachol on biliary lipid secretion and serum lipids in normal volunteers. Leiss O, et al. **Gut** 1985 Jan;26(1):32–7

Effects of allylpropyl disulphide isolated from Allium cepa Linn on high-fat fed rats. Wilcox BF, et al. **Indian J Biochem Biophys** 1984 Jun;21(3):214–6

Antibacterial constituents in the essential oil of Cymbopogon citratus (DC.) Stapf. Onawunmi GO, et al. **J Ethnopharmacol** 1984 Dec;12(3):279–86

The essential oil of Ducrosia anethifolia (DC.) Boiss. Chemical composition and antimicrobial activity. Janssen AM, et al. **Pharm Weekbl** [Sci] 1984 Aug 24;6(4):157–60

Evaluation of antiinflammatory activity of a chamomile extract topical application. Tubaro A, et al. **Planta Med** 1984 Aug;50(4):359

[Antifungal activity of volatile oils in Litsea cubeba and its main constituent citral] Zhou Y. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Sep;4(9):558–9 **(Chi)**

THERAPEUTIC USE

Peppermint oil for the irritable bowel syndrome: a multicentre trial. Dew MJ, et al. **Br J Clin Pract** 1984 Nov–Dec;38(11–12):394, 398

Stones in the common bile duct: experience with medical dissolution therapy. Somerville KW, et al. **Postgrad Med J** 1985 Apr;61(714):313–6

[Comparative testing of Kamillosan cream and steroidal (0.25% hydrocortisone, 0.75% fluocortin butyl ester) and non-steroidal (5% bufexamac) dermatologic agents in maintenance therapy of eczematous diseases] Aertgeerts P, et al. **Z Hautkr** 1985 Feb 1;60(3):270–7 (Eng. Abstr.) **(Ger)**

TOXICITY

The nephrotoxicity for mice of deisopropylngaione, a minor furanoid component of toxic myoporaceous essential oils. Lee JS, et al. **J Appl Toxicol** 1985 Feb;5(1):14–22

OINTMENT BASES see under **PHARMACEUTIC AIDS**

OINTMENTS

Instilling ocular ointments without blurred vision [letter] Putterman AM. **Arch Ophthalmol** 1985 Sep;103(9):1276

Defibrillator electrode–chest wall coupling agents: influence on transthoracic impedance and shock success. Aylward PE, et al. **J Am Coll Cardiol** 1985 Sep;6(3):682–6

Convenient use of pressure indicating paste. Kirk GA. **J Prosthet Dent** 1985 Feb;53(2):288

Colloidal structures of O/W creams. Junginger HE. **Pharm Weekbl** [Sci] 1984 Aug 24;6(4):141–9

Studies on the release of drugs from O/W-emulsion ointments using the mathematical interpretations. Part 1: Influence of the thickness of the ointment layer. Bialik W. **Pharmazie** 1985 Mar;40(3):186–7

[Between ointments and creams] Dessing RP, et al. **Ned Tijdschr Geneeskd** 1984 Sep 22;128(38):1817–9 (Eng. Abstr.) **(Dut)**

[Transport mechanism and influencing factors on the ointment-skin and drug-ointment systems] Horsch W. **Pharmazie** 1984 Sep;39(9):598–605 **(Ger)**

[Factors influencing the therapeutic effect of ointment gels] Kedvessy G. **Pharmazie** 1984 Sep;39(9):632–4 (Eng. Abstr.) **(Ger)**

[The influence on some physicochemical parameters on drug release from PMMA salt hydrogels] Smid-Korbar J, et al. **Pharmazie** 1984 Sep;39(9):606–8 (Eng. Abstr.) **(Ger)**

[Effectiveness of hand-protective salves in urea contamination] Schubert H, et al. **Z Gesamte Hyg** 1984 Sep;30(9):523–5 (Eng. Abstr.) **(Ger)**

[Ointments prepared in pharmacies for the treatment of crural ulcer] Jakabné Bori G. **Acta Pharm Hung** 1984 Sep;54(5):216–23 (Eng. Abstr.) **(Hun)**

[Planning and research on the composition of ointment bases usable in tropical climate. II. Stability of consistency] Ugriné Hunyadvári E, et al. **Acta Pharm Hung** 1985 Mar;55(2):76–84 (Eng. Abstr.) **(Hun)**

[A new mathematical model for the in vitro release of drugs from o/w emulsion ointments. II. Experimental part] Bialik W. **Acta Pol Pharm** 1985;42(1):74–8 (Eng. Abstr.) **(Pol)**

[Emulsion ointment with soybean distillates in the prevention and treatment of premorbid changes in the skin of female workers in a furniture factory] Kozulin EA, et al. **Vestn Dermatol Venerol** 1985 Mar;(3):63–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Fire risks with ophthalmic ointments. Carpel EF, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):477–8

Precocious puberty due to a diaper ointment. Healy CE. **Indiana Med** 1984 Aug;77(8):610

ANALYSIS

Vibrational test for evaluation of creams. I. The effect of vertical vibration imposed on O/W creams. Kuroda M. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2773–80

[Stability of an ointment subjected to beta rays for its microbiological decontamination] Djoko E, et al. **Ann Pharm Fr** 1984;42(6):529–35 (Eng. Abstr.) **(Fre)**

[Determination of ethylmorphine chloride, pilocarpine chloride and tetracaine chloride in drops and ointments for the eye] Banović V, et al. **Vojnosanit Pregl** 1985 May–Jun;42(3):202–5 (Eng. Abstr.) **(Scr)**

OLD AGE ASSISTANCE see under **PUBLIC ASSISTANCE**

OLD AGE HOMES see **HOMES FOR THE AGED**

OLEANDER see under **PLANTS, MEDICINAL**

OLEANDOCETIN see **TRIACETYLOLEANDOMYCIN**

OLEANDOMYCIN

METABOLISM

[Macrolide antibiotics: characteristics of their interaction with organoids, intracellular distribution and the effect of sulfalene] Guliaev AE, et al. **Antibiot Med Biotekhnol** 1985 Feb;30(2):103–6 (Eng. Abstr.) **(Rus)**

[Oleandomycin content of mycelium and fermentation solution during cultivation of Streptomyces antibioticus] Shukoliukov SA, et al. **Antibiotiki** 1984 Dec;29(12):892–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effects of triacetyloleandomycin and oleandomycin phosphate on the glucocorticoid receptor in cultured skin fibroblasts. Engler RJ, et al. **J Allergy Clin Immunol** 1985 Mar;75(3):395–400

OLEANOLIC ACID see under **SAPOGENINS**

OLEFINS see **ALKENES**

OLEIC ACIDS

Proton-induced fusion of oleic acid-phosphatidylethanolamine liposomes. Düzgüneş N, et al. **Biochemistry** 1985 Jun 18;24(13):3091–8

19F nuclear magnetic resonance studies of lipid fatty acyl chain order and dynamics in Acholeplasma laidlawii B membranes. Orientational order in the presence of a series of positional isomers of cis-octadecenoic acid. Macdonald PM, et al. **Biochemistry** 1985 Jan 1;24(1):177–84

Cardiopulmonary effects of hypertonic saline in canine oleic acid-induced pulmonary edema. Johnston WE, et al. **Crit Care Med** 1985 Oct;13(10):814–7

Correlation of changes in oxygenation, lung water and hemodynamics after oleic acid-induced acute lung injury in dogs. Schuster DP, et al. **Crit Care Med** 1984 Dec;12(12):1044–8

Morphology of oleic acid-induced lung injury. Observations from computed tomography, specimen radiography, and histology. Hedlund LW, et al. **Invest Radiol** 1985 Jan–Feb;20(1):2–8

The influence of solvent on nonaqueous lyotropic liquid crystalline phase formed by triethanolammonium oleate. Friberg SE, et al. **J Pharm Sci** 1985 Jul;74(7):771–3

[An electron microscopic study of oleic acid-induced comedones] Maeda T, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jun;94(7):805–14 **(Jpn)**

ADMINISTRATION & DOSAGE

[Comprehensive experimental observations on the dog after injection of oleic acid] Gu GX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1985 Feb;8(1):1–6, 60 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Cerumenex allergy. Pevny I. **Contact Dermatitis** 1985 Jan;12(1):51–2

Spinal cord paralysis following sclerotherapy for esophageal varices. Seidman E, et al. **Hepatology** 1984 Sep–Oct;4(5):950–4

[Effects on the heart and lung after endoscopic injection sclerotherapy for esophageal varices] Kumazawa K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Mar;82(3):391–7 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Isolation and identification of two isomeric trihydroxy octadecenoic acids with prostaglandin E-like activity from onion bulbs (Allium cepa). Ustunes L, et al. **Prostaglandins** 1985 May;29(5):847–65

BIOSYNTHESIS

Thermodynamic bases for fatty acid ethyl ester synthase catalyzed esterification of free fatty acid with ethanol and accumulation of fatty acid ethyl esters. Mogelson S, et al. **Biochemistry** 1984 Aug 28;23(18):4082–7

BLOOD

Preparation of inside-out vesicles from erythrocyte membranes inactivates the pathway for oleic acid incorporation into phospholipid. Dugan JM, et al. **Biochim Biophys Acta** 1985 Jun 11;816(1):93–101

In vivo distribution and turnover of trans- and cis-10-octadecenoic acid isomers in human plasma lipids. Emken EA, et al. **Biochim Biophys Acta** 1985 Sep 11;836(2):233–45

Reduction in the stearic to oleic acid ratio in leukaemic cells—a possible chemical marker of malignancy. Apostolov K, et al. **Blut** 1985 Jun;50(6):349–54

Increase of oleic acid in erythrocytes associated with malignancies. Wood CB, et al. **Br Med J [Clin Res]** 1985 Jul 20;291(6489):163–5

Reduction in the stearic to oleic acid ratio in the circulating red blood cells: a possible tumour marker in solid human neoplasms. Wood CB, et al. **Eur J Surg Oncol** 1985 Jun;11(2):167–9

Identification of linoleic and oleic acids as endogenous Na+,K+-ATPase inhibitors from acute volume-expanded hog plasma. Tamura M, et al. **J Biol Chem** 1985 Aug 15;260(17):9672–7

The serum 14C-triolein/3H-oleic acid assimilation test for differential diagnosis of maldigestion and malabsorption. Thorsgaard Pedersen N. **Scand J Gastroenterol** 1985 Aug;20(6):684–90

CHEMICAL SYNTHESIS

Myocardial imaging agents: synthesis, characterization, and evaluation of (Z)- and (Z,E)-18-[82Br]bromo-5-tellura-17-octadecenoic acids. Srivastava PC, et al. **J Med Chem** 1985 Apr;28(4):408–13

Synthesis of octadecynoic acids and [1-14C] labeled isomers of octadecenoic acids. Valicenti AJ, et al. **Lipids** 1985 Apr;20(4):234–42

METABOLISM

Effect of soy protein and casein intake on intestinal absorption and lymphatic transport of cholesterol and oleic acid. Vahouny GV, et al. **Am J Clin Nutr** 1984 Dec;40(6):1156–64

The interaction of albumin and fatty-acid-binding protein with membranes: oleic acid dissociation. Catalá A. **Arch Int Physiol Biochim** 1984 Oct;92(3):255–61

Systemic dissemination of ethanolamine oleate after injection sclerotherapy for esophageal varices. Sukigara M, et al. **Arch Surg** 1985 Jul;120(7):833–6

Anoxia influences the lateral diffusion of a lipid probe in the plasma membrane of isolated cardiac myocytes. Finch SA, et al. **Basic Res Cardiol** 1985;80 Suppl 1:149–52

Can isolated spans of the tricarboxylic acid cycle operate independently? L-proline, oleate and butyrate metabolism in rat hepatocytes. Palmer TN, et al. **Biochem Int** 1983 Apr;6(4):433–41

Hormonal regulation of fat esterification & oxidation in hepatocytes from fed rats: modulation by 3-mercaptopicolinate. Schofield PS, et al. **Biochem Int** 1985 Apr;10(4):695–704

The stimulation and binding of CTP: phosphorylcholine cytidylyltransferase by phosphatidylcholine-oleic acid vesicles. Feldman DA, et al. **Biochim Biophys Acta** 1985 Mar 6;833(3):429–37

The importance of the stearoyl-CoA desaturase system in octadecenoate metabolism in the Morris hepatoma 7288C. Zoeller RA, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):380–8

Intestinal absorption of free oleic acid in the unanesthetized rat: evidence for a saturable component? Hollander D, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1136–40

Stimulation by epinephrine of the membrane transport of long chain fatty acid in the adipocyte. Abumrad NA, et al. **J Biol Chem** 1985 Aug 25;260(18):9969–71

Effects of various antihypertensive agents on lipid metabolism: alterations in the pattern of lipids synthesized from [14C]oleate in rat liver in vitro. Bell FP. **J Cardiovasc Pharmacol** 1985 May–Jun;7(3):443–8

Absorption of 13C-labeled stearic, oleic, and linoleic acids in humans: application to breath tests. Jones PJ, et al. **J Lab Clin Med** 1985 Jun;105(6):647–52

Incorporation and distribution of 3H oleic acid in the isolated, perfused guinea-pig heart made hypoxic. Ward B, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):765–70

A comparison of the short-term incorporation of erucic acid and oleic acid in the perfused guinea-pig heart. Ward B, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):897–903

Uptake of arachidonic acid, arachidic acid, oleic acid and their incorporation into phospholipids and triacylglycerols of isolated murine hepatocytes. Effect of thrombin-antithrombin III complex. Mandl J, et al. **Thromb Res** 1984 Aug 15;35(4):407–14

[Intraenterocytic metabolism and blood uptake of caproic and oleic acids in control and actidione-cycloheximide-treated rats] Bernard A, et al. **Reprod Nutr Dev** 1984;24(5A):543–56 (Eng. Abstr.) **(Fre)**

[Distribution of ethanolamine oleate after injection in esophageal varices] Sukigara M, et al. **Nippon Geka Gakkai Zasshi** 1984 Dec;85(12):1523–7 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Nervous control of the release of neurotensin-like immunoreactivity from the small intestine of the rat. Al-Saffar A, et al. **Acta Physiol Scand** 1984 Sep;122(1):1–6

Inhibition of p-nitroanisole O-demethylation in perfused rat liver by oleate. Danis M, et al. **Biochem Pharmacol** 1985 Mar 1;34(5):609–16

Evidence for the fatty acid-induced heterogeneity of the N and B conformations of human serum albumin. Dröge JH, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3299–304

Fatty acid peptide derivatives as model compounds to protect elastin against degradation by elastases. Hornebeck W, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3315–21

Spermine promotes the translocation of phosphatidate phosphohydrolase from the cytosol to the microsomal fraction of rat liver and it enhances the effects of oleate in this respect. Martin-Sanz P, et al. **FEBS Lett** 1985 Jan 7;179(2):262–6

Effect of exogenous glucagon and free fatty acids on gluconeogenesis in fasting neonatal pigs. Boyd RD, et al. **J Anim Sci** 1985 Mar;60(3):659–65

Promethazine or DPPD pretreatment attenuates oleic acid-induced injury in isolated canine lungs. Townsley MI, et al. **J Appl Physiol** 1985 Jul;59(1):39–46

Modification of alkenyl chain profile in plasmalogens of rat heart mitochondria by dietary trielaidin. Wolff RL, et al. **Lipids** 1985 Jun;20(6):367–72

Role of anions in the lymphocytolytic action of corticosteroids and fatty acids. Burton AF, et al. **Mol Cell Biochem** 1984 Sep;63(2):125–9

Effects of dietary saturated or unsaturated fatty acids and calcium levels on performance and mineral metabolism of broiler chicks. Atteh JO, et al. **Poult Sci** 1984 Nov;63(11):2252–60

Modulation of lysyl oxidase substrate specificity by the oleate anion. Losty TA, et al. **Proc Soc Exp Biol Med** 1985 Jun;179(2):155–8

Transformations of exogenous arachidonic acid in human platelets in the presence of oleic- and eicosapentaenoic acids. Srivastava KC. **Prostaglandins Leukotrienes Med** 1985 Apr;18(1):31–7

TOXICITY

Toxic oil syndrome, Spain: effect of oleoylanilide on the release of polysaturated fatty acids and lipid peroxidation in rats. Suarez A, et al. **Arch Environ Contam Toxicol** 1985 Mar;14(2):131–6

Sequential cardiopulmonary changes after oleic-acid injury in dogs. Hofman WF, et al. **Crit Care Med** 1985 Jan;13(1):22–7

Carcinogenicity study of a commercial sodium oleate in Fischer rats. Hiasa Y, et al. **Food Chem Toxicol** 1985 Jun;23(6):619–23

Albumin attenuation of oleic acid edema in dog lung depleted of blood components. Hofman WF, et al. **J Appl Physiol** 1985 Jun;58(6):1949–55

The acute effects of intralipid on lung function. Ali J, et al. **J Surg Res** 1985 Jun;38(6):599–605

[Oleic acid-induced interstitial lung edema in the dog: comparison of PEEP with high-frequency jet superimposed ZEEP ventilation] Schlag G, et al. **Anaesthesist** 1985 Feb;34(2):65–71 (Eng. Abstr.) **(Ger)**

OLFACTORY BULB

[Case of olfactory groove meningioma with 6-year psychiatric anamnesis] Rutkowska A, et al. **Pol Tyg Lek** 1985 Feb 11;40(6):167–9 (Eng. Abstr.) **(Pol)**

[Transient global amnesia associated with a meningioma of the frontal lobe (letter)] Riva C, et al. **Med Clin (Barc)** 1985 Jan 19;84(2):81 **(Spa)**

ANATOMY & HISTOLOGY

The main and the accessory olfactory bulb in the hedgehog (a light microscopic study). Pospíšilová E, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;108:93–107

Tangential organization of olfactory, association, and commissural projections to olfactory cortex in a species of reptile (Trionyx spiniferus), bird (Aix sponsa), and mammal (Tupaia glis). Skeen LC, et al. **Brain Behav Evol** 1984;25(4):206–16

Immunochemical identification of subgroups of vomeronasal nerve fibers and their segregated terminations in the accessory olfactory bulb. Imamura K, et al. **Brain Res** 1985 Mar 4;328(2):362–6

Surprisingly rich projection from locus coeruleus to the olfactory bulb in the rat. Shipley MT, et al. **Brain Res** 1985 Mar 11;329(1–2):294–9

Quantitative localization of neurons projecting to the mouse main olfactory bulb. Carson KA. **Brain Res Bull** 1984 Jun;12(6):629–34

The connections of the mouse olfactory bulb: a study using orthograde and retrograde transport of wheat germ agglutinin conjugated to horseradish peroxidase. Shipley MT, et al. **Brain Res Bull** 1984 Jun;12(6):669–88

Central connections of the olfactory bulb in the goldfish, Carassius auratus. von Bartheld CS, et al. **Cell Tissue Res** 1984;238(3):475–87

Inputs from the olfactory bulb and olfactory cortex to the entorhinal cortex in the cat. I. Anatomical observations. Room P, et al. **Exp Brain Res** 1984;56(3):488–96

The accessory olfactory bulb of the hedgehog. Pospíšilová E, et al. **Folia Morphol (Praha)** 1985;33(1):34–7

Aging in the rat olfactory system: relative stability of piriform cortex contrasts with changes in olfactory bulb and olfactory epithelium. Curcio CA, et al. **J Comp Neurol** 1985 May 22;235(4):519–28

Topographic organization of tufted cell axonal projections in the hamster main olfactory bulb: an intrabulbar associational system. Schoenfeld TA, et al. **J Comp Neurol** 1985 May 22;235(4):503–18

Aging-related morphological changes in the main olfactory bulb of the Fischer 344 rat. Forbes WB. **Neurobiol Aging** 1984 Summer;5(2):93–9

The zona incerta: another source of centrifugal fibers to the main olfactory bulb. Uemura-Sumi M, et al. **Neurosci Lett** 1985 Feb 4;53(3):241–5

CYTOLOGY

The glial cells in the nerve fiber layer of the rat olfactory bulb. Doucette JR. **Anat Rec** 1984 Oct;210(2):385–91

Ganglion cells of the terminal nerve: morphology and electrophysiology. Fujita I, et al. **Brain Res** 1985 May 27;335(1):148–52

Subclasses of olfactory receptor cells and their segregated central projections demonstrated by a monoclonal antibody. Fujita SC, et al. **Brain Res** 1985 Feb 4;326(1):192–6

Prolonged exposure to an odor or deodorized air alters the size of mitral cells in the olfactory bulb. Laing DG, et al. **Brain Res** 1985 Jun 10;336(1):81–7

Cell configurations in the olfactory tubercle of the rat. Millhouse OE, et al. **J Comp Neurol** 1984 Oct 1;228(4):571–97

Immunohistopathology of human olfactory epithelium, nerve and bulb. Nakashima T, et al. **Laryngoscope** 1985 Apr;95(4):391–6

Effects of early anosmia on two classes of granule cells in developing mouse olfactory bulbs. Skeen LC, et al. **Neurosci Lett** 1985 Mar 15;54(2–3):301–6

Specialized neuroglial arrangement may explain the capacity of vomeronasal axons to reinnervate central neurons. Raisman G. **Neuroscience** 1985 Jan;14(1):237–54

[Telencephalic sources of the afferents of the main olfactory bulb in the frog Rana temporaria] Ragimova NG, et al. **Zh Evol Biokhim Fiziol** 1984 Jul–Aug;20(4):380–5 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Influence of olfactory bulb on dendritic knob density of rat olfactory receptor neurons in vitro. Chuah MI, et al. **Brain Res** 1985 Jul 15;338(2):259–66

The effects of protein deprivation on neuronal migration in rats. Debassio WA, et al. **Brain Res** 1985 Jun;352(2):191–6

ENZYMOLOGY

Acetylcholinesterase activity in the developing olfactory bulb: a biochemical study on normal maturation and the influence of peripheral and central connections. Meisami E, et al. **Brain Res** 1985 Jul;353(1):115–24

Localization of acetylcholinesterase-positive neurons projecting to the mouse main olfactory bulb. Carson KA. **Brain Res Bull** 1984 Jun;12(6):635–9

Olfactory tubercle choline acetyltransferase activity in Alzheimer-type dementia, Down's syndrome and Huntington's chorea [letter] Simpson J, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1138–9

GROWTH & DEVELOPMENT

The influence of permanent odor stimuli on the postnatal development of neural activity in the olfactory bulbs of laboratory mice. Eckert M, et al. **Brain Res** 1985 Jun;352(2):185–90

Effects of sex steroids on the development of the accessory olfactory bulb in the rat: a volumetric study. Segovia S, et al. **Brain Res** 1984 Nov;318(2):312–4

Unilateral odor deprivation: time course of changes in laminar volume. Brunjes PC. **Brain Res Bull** 1985 Mar;14(3):233–7

Effects of external chemical environment on the developing olfactory bulbs of the mouse (Mus musculus). Harvey FE, et al. **Brain Res Bull** 1984 Oct;13(4):541–7

IMMUNOLOGY

Appearance of H and B antigens in primary sensory cells of the rat olfactory apparatus and inner ear. Mollicone R, et al. **Brain Res** 1985 Jan;349(1–2):275–9

INJURIES

Age-related fine structural changes in axons and synapses during deafferentation of the rat pyriform cortex: a possible basis for plasticity. Bakay RA, et al. **J Neurocytol** 1984 Oct;13(5):743–65

METABOLISM

Photoaffinity labeling of D-2 dopamine binding subunits from rat striatum, anterior pituitary and olfactory bulb with a new probe, [3H]azidosulpride. Redouane K, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1086–92

High-resolution 2-deoxyglucose autoradiography in quick-frozen slabs of neonatal rat olfactory bulb. Benson TE, et al. **Brain Res** 1985 Jul 22;339(1):67–78

Differential regulation of 'central' and 'peripheral' benzodiazepine binding sites in the rat olfactory bulb. Bolger GT, et al. **Eur J Pharmacol** 1984 Oct 1;105(1–2):143–8

Aspects of vitamin A metabolism in sensory epithelia (inner ear, olfactory bulbus, pineal gland). Biesalski HK. **Int Z Vitam Ernahrungsforsch [Beih]** 1985;27:225–45

Carnosine synthesis in olfactory tissue during ontogeny: effect of exogenous beta-alanine. Margolis FL, et al. **J Neurochem** 1985 May;44(5):1459–64

A method for stimulation of cyclic AMP levels in vivo by intracerebral injection in the rat olfactory tubercle. Shickley TJ, et al. **Life Sci** 1984 Dec 10;35(24):2421–6

Effects of discriminant and non-discriminant dopamine antagonists on in vivo accumulation of 3H-N-propyl-norapomorphine in mouse striatum and tuberculum olfactorium. Gulat-Marnay C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Apr;329(2):117–22

Alterations in dopamine metabolism after chronic administration of haloperidol. Possible role of increased autoreceptor sensitivity. Saller CF, et al. **Neuropharmacology** 1985 Feb;24(2):123–9

Effect of haloperidol and sulpiride on dopamine metabolism in nucleus accumbens and olfactory tubercle: a study by in vivo voltammetry. Louilot A, et al. **Neuroscience** 1985 Mar;14(3):775–82

[ATP in the frog olfactory organ] Gladysheva OS, et al. **Tsitologiia** 1984 Jul;26(7):788–93 (Eng. Abstr.) **(Rus)**

[Possible apical respiration in the olfactory epithelium of the frog Rana temporaria] Gladysheva OS, et al. **Zh Evol Biokhim Fiziol** 1985 Mar–Apr;21(2):201–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Temporal changes in mitral cell response patterns during repeated odor exposure. Schild D. **Arch Ital Biol** 1985 Feb;123(1):27–42

Effects of olfactory bulb ablation on cardiac and ventilatory arousal responses and their habituation in the goldfish Carassius auratus. Rooney DJ, et al. **Behav Neural Biol** 1984 Nov;42(2):120–6

A field-potential study of centripetal and centrifugal connections of the olfactory bulb in the carp, Cyprinus carpio (L). Fujita I, et al. **Brain Res** 1984 Oct 29;321(1):33–44

Increased estrogen receptor binding in amygdala correlates with facilitation of feminine sexual behavior induced by olfactory bulbectomy. McGinnis MY, et al. **Brain Res** 1985 May 13;334(1):19–25

Periglomerular cell action on mitral cells in olfactory bulb shown by current source density analysis. Martinez DP, et al. **Brain Res** 1984 Aug 13;308(2):223–33

Olfactory bulbectomy prevents the gonadal regression associated with short photoperiod in male golden hamsters. Pieper DR, et al. **Brain Res** 1984 Oct 29;321(1):183–6

Rhythmic discharge of mitral cells in the carp olfactory bulb. Yamaguchi K, et al. **Brain Res** 1984 Nov 26;322(2):378–81

Firing properties of cat basal forebrain neurones during sleep-wakefulness cycle. Détári L, et al. **Electroencephalogr Clin Neurophysiol** 1984 Oct;58(4):362–8

Inputs from the olfactory bulb and olfactory cortex to the entorhinal cortex in the cat. II. Physiological studies. Boeijinga PH, et al. **Exp Brain Res** 1984;57(1):40–8

The trajectory of mitral cell axons in the rabbit olfactory cortex revealed by intracellular HRP injection. Ojima H, et al. **J Comp Neurol** 1984 Nov 20;230(1):77–87

Injured neurons in the olfactory bulb of the adult rat grow axons along grafts of peripheral nerve. Friedman B, et al. **J Neurosci** 1985 Jun;5(6):1616–25

Monoclonal antibodies reveal novel aspects of the biochemistry and organization of olfactory neurons following unilateral olfactory bulbectomy. Hempstead JL, et al. **J Neurosci** 1985 Sep;5(9):2382–7

Synaptic excitatory and inhibitory interactions at distal dendritic sites on mitral cells in the isolated turtle olfactory bulb. Mori K, et al. **J Neurosci** 1984 Sep;4(9):2291–6

Changes in cytochrome oxidase activity of the rabbit olfactory cortex following unilateral olfactory bulbectomy. Onoda N, et al. **Jpn J Physiol** 1984;34(5):933–7

Chemosensory and neural influences on photoperiodic responsiveness of laboratory rats. Nelson RJ, et al. **Neuroendocrinology** 1985 Apr;40(4):285–90

The effect of (+/-)mianserin and its enantiomers on the behavioural hyperactivity of the olfactory-bulbectomized rat. Jancsár SM, et al. **Neuropharmacology** 1984 Sep;23(9):1065–70

Neonatally bulbectomized rats with new olfactory-neocortical connections are anosmic. Butler AB, et al. **Neurosci Lett** 1984 Aug 10;48(3):247–54

Variations in axonal conduction velocity in olfactory peduncle neurons of the armadillo. Moyano HF, et al. **Neurosci Lett** 1985 Apr 9;55(2):131–6

Effects of psychotropic drugs on discrimination conditioning in olfactory bulbectomized rats. Gomita Y, et al. **Pharmacol Biochem Behav** 1985 May;22(5):717–22

The role of central noradrenergic neurons in electroconvulsive shock-induced muricide inhibition in olfactory bulbectomized rats. Liou SY, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):65–70

Effects of chronic administration of antidepressants on mouse-killing behavior (muricide) in olfactory bulbectomized rats. Shibata S, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):225–30

Responses of olfactory bulb neurons to repeated odor stimulations in awake freely-breathing rabbits. Chaput MA, et al. **Physiol Behav** 1985 Feb;34(2):249–58

Effect of bilateral olfactory bulbectomy on discrimination avoidance conditioning in rats. Gomita Y, et al. **Physiol Behav** 1984 Jun;32(6):1011-6

Individual recognition of female hamsters by males: role of chemical cues and of the olfactory and vomeronasal systems. Johnston RE, et al. **Physiol Behav** 1984 Jul; 33(1):95-104

Olfactory cues and accessory olfactory bulb lesion: effects on sexual behavior in the cyclic female rat. Kelche C, et al. **Physiol Behav** 1984 Jul;33(1):45-8

The effect of olfactory bulb lesions on agonistic, locomotory and social behavior in mice housed in aggregate. Means LW, et al. **Physiol Behav** 1984 Apr;32(4):657-61

The olfactory bulbectomized rat as a model of depression. Leonard BE. **Pol J Pharmacol Pharm** 1984 Sep-Oct; 36(5):561-9 (30 ref.)

[Molecular mechanism of chemoreception] Kurihara K. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1175-87 (63 ref.) **(Jpn)**

[Origins of the centrifugal innervation of the main olfactory bulb in the frog Rana temporaria: combined histochemical research] Kratskin IL, et al. **Dokl Akad Nauk SSSR** 1985; 282(3):747-9 **(Rus)**

[Synaptic mechanisms of the responses of olfactory bulb neurons of the carp to odorants] Potapov AA. **Neirofiziologiia** 1985;17(1):112-5 (Eng. Abstr.) **(Rus)**

[Current concepts of the principles of odor discrimination in the olfactory organ of vertebrates] Gladysheva OS, et al. **Usp Fiziol Nauk** 1985 Apr-Jun;16(2):98-111 (98 ref.) **(Rus)**

[Effect of rhythmic and tonic stimulation on the neuronal activity of the olfactory bulb in the newt Triturus cristatus] Margolis SE. **Zh Evol Biokhim Fiziol** 1984 Nov-Dec; 20(6):604-10 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Experimental studies on different thresholds for epileptiform activity. Yamauchi T, et al. **Arch Ital Biol** 1984 Dec; 122(4):281-300

Antidepressant properties of the triazolobenzodiazepines alprazolam and adinazolam: studies on the olfactory bulbectomized rat model of depression. O'Connor WT, et al. **Br J Clin Pharmacol** 1985;19 Suppl 1:49S-56S

Ontogeny of electrical activity of main olfactory bulb in freely-moving normal and malnourished rats. Almli CR, et al. **Brain Res** 1985 Feb;350(1-2):1-11

SURGERY

Effect of bilateral olfactory bulbectomy in the rat, alone or in combination with antidepressants, on the learned immobility model of depression. Górka Z, et al. **Neuropsychobiology** 1985;13(1-2):26-30

TRANSPLANTATION

Transplantation of CNS fragments into the brain of shiverer mutant mice: extensive myelination by implanted oligodendrocytes. I. Immunohistochemical studies. Lachapelle F, et al. **Dev Neurosci** 1983-84;6(6):325-34

ULTRASTRUCTURE

Myelinated non-axonal neuronal elements in the feline olfactory bulb lack sites with a nodal structural differentiation. Remahl S, et al. **Brain Res** 1985 Jan 28; 325(1-2):1-11

OLFACTORY MUCOSA

ANALYSIS

Multiple receptor types for amino acids in the carp olfactory cells revealed by quantitative cross-adaptation method. Ohno T, et al. **Brain Res** 1984 Sep 17;310(1):13-21

ANATOMY & HISTOLOGY

Structure of the olfactory epithelium of the Indian freshwater catfish Clarias batrachus (Linn.). Goel HR. **Folia Morphol (Praha)** 1984;32(4):379-83

Aging in the rat olfactory system: relative stability of piriform cortex contrasts with changes in olfactory bulb and olfactory epithelium. Curcio CA, et al. **J Comp Neurol** 1985 May 22;235(4):519-28

[Comparative anatomical studies of the vomeronasal complex and the rostral palate of various mammals. I] Wöhrmann-Repenning A. **Gegenbaurs Morphol Jahrb** 1984;130(4):501-30 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Regional differences in cell density and cell genesis in the olfactory epithelium of the salamander, Ambystoma tigrinum. Mackay-Sim A, et al. **Exp Brain Res** 1984; 57(1):99-106

Immunohistopathology of human olfactory epithelium, nerve and bulb. Nakashima T, et al. **Laryngoscope** 1985 Apr; 95(4):391-6

DRUG EFFECTS

Ultrastructural and electrophysiological changes in the olfactory epithelium following exposure to organic solvents. Ekblom A, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):351-61

EMBRYOLOGY

Early development of olfactory receptor cell axons. Farbman AI, et al. **Brain Res** 1985 Apr;351(2):205-13

Neuron-specific enolase, neurofilament protein and S-100 protein in the olfactory mucosa of human fetuses. An immunohistochemical study. Takahashi S, et al. **Cell Tissue Res** 1984;238(2):231-4

IMMUNOLOGY

Appearance of H and B antigens in primary sensory cells of the rat olfactory apparatus and inner ear. Mollicone R, et al. **Brain Res** 1985 Jan;349(1-2):275-9

INNERVATION

Influence of olfactory bulb on dendritic knob density of rat olfactory receptor neurons in vitro. Chuah MI, et al. **Brain Res** 1985 Jul 15;338(2):259-66

Subclasses of olfactory receptor cells and their segregated central projections demonstrated by a monoclonal antibody. Fujita SC, et al. **Brain Res** 1985 Feb 4; 326(1):192-6

Identification of an olfactory receptor neuron subclass: cellular and molecular analysis during development. Allen WK, et al. **Dev Biol** 1985 Jun;109(2):393-401

Monoclonal antibodies reveal novel aspects of the biochemistry and organization of olfactory neurons following unilateral olfactory bulbectomy. Hempstead JL, et al. **J Neurosci** 1985 Sep;5(9):2382-7

Electrophysiological properties of identified cells in the in vitro olfactory epithelium of the tiger salamander. Masukawa LM, et al. **J Neurosci** 1985 Jan;5(1):128-35

Changes in the electrical properties of olfactory epithelial cells in the tiger salamander after olfactory nerve transection. Masukawa LM, et al. **J Neurosci** 1985 Jan; 5(1):136-41

Cell and explant culture of olfactory chemoreceptor cells. Gonzales F, et al. **J Neurosci Methods** 1985 Jul;14(2):77-90

Individual recognition of female hamsters by males: role of chemical cues and of the olfactory and vomeronasal systems. Johnston RE, et al. **Physiol Behav** 1984 Jul; 33(1):95-104

METABOLISM

Molecular mechanisms of olfactory reception. VI. Kinetic characteristics of camphor interaction with binding sites of rat olfactory epithelium. Fesenko EE, et al. **Biochim Biophys Acta** 1985 May 8;839(3):268-75

Carnosine synthesis in olfactory tissue during ontogeny: effect of exogenous beta-alanine. Margolis FL, et al. **J Neurochem** 1985 May;44(5):1459-64

Olfactory neuron-specific protein is translated from a large poly(A)+ mRNA. Rogers KE, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5218-22

[Morphohistochemical analysis of secretory elements of the olfactory epithelium of marine fish] Doroshenko MA, et al. **Arkh Anat Gistol Embriol** 1984 Jul;87(7):71-8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Olfactometry in Japan (II). Roentgenologic and endoscopic observations of the olfactory cleft. Zusho H. **Rhinology** 1984 Sep;22(3):211-5

PHYSIOLOGY

Transduction physiology of olfactory receptor cilia. Adamek GD, et al. **Brain Res** 1984 Sep 17;310(1):87-97

The characteristics of the electro-olfactogram (EOG): its loss and recovery following olfactory nerve section in rainbow trout (Salmo gairdneri). Evans RE, et al. **Brain Res** 1985 Mar 18;330(1):65-75

Intracellular potentials of salamander mitral/tufted neurons in response to odor stimulation. Hamilton KA, et al. **Brain Res** 1985 Jul 8;338(1):181-5

Odorant-sensitive adenylate cyclase may mediate olfactory reception. Pace U, et al. **Nature** 1985 Jul 18-24; 316(6025):255-8

Male hamster copulatory responses to a high molecular weight fraction of vaginal discharge: effects of vomeronasal organ removal. Clancy AN, et al. **Physiol Behav** 1984 Oct; 33(4):653-60

TRANSPLANTATION

Transplants of olfactory mucosa in the anterior chamber of the eye: morphology, electrophysiology and biochemistry. Novoselov VI, et al. **Dev Neurosci** 1983-84;6(6):317-24

ULTRASTRUCTURE

Electron microscopy of olfactory epithelia in two patients with anosmia. Moran DT, et al. **Arch Otolaryngol** 1985 Feb;111(2):122-6

OLFACTORY NERVE

Electro-olfactography: a technique with potential for diagnosis of anosmia in the dog. Myers LJ, et al. **Am J Vet Res** 1984 Nov;45(11):2296-8

ANATOMY & HISTOLOGY

[Morphological studies on the distribution of the olfactory nerves in Japanese adults and fetuses] Ueno N. **Nippon Ika Daigaku Zasshi** 1985 Apr;52(2):186-203 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Subclasses of olfactory receptor cells and their segregated central projections demonstrated by a monoclonal antibody. Fujita SC, et al. **Brain Res** 1985 Feb 4; 326(1):192-6

Immunochemical identification of subgroups of vomeronasal nerve fibers and their segregated terminations in the accessory olfactory bulb. Imamura K, et al. **Brain Res** 1985 Mar 4;328(2):362-6

Immunohistopathology of human olfactory epithelium, nerve and bulb. Nakashima T, et al. **Laryngoscope** 1985 Apr; 95(4):391-6

DRUG EFFECTS

Ultrastructural and electrophysiological changes in the olfactory epithelium following exposure to organic solvents. Ekblom A, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):351-61

EMBRYOLOGY

Early development of olfactory receptor cell axons. Farbman AI, et al. **Brain Res** 1985 Apr;351(2):205-13

PHYSIOLOGY

Thymidine incorporation in the olfactory epithelium of mice: early exponential response induced by olfactory neurectomy. Càmara CG, et al. **Brain Res** 1984 Aug 6; 308(1):63-8

The characteristics of the electro-olfactogram (EOG): its loss and recovery following olfactory nerve section in rainbow trout (Salmo gairdneri). Evans RE, et al. **Brain Res** 1985 Mar 18;330(1):65-75

Olfactory discrimination of structurally related molecules: receptor cell responses to camphoraceous odorants. Sicard G. **Brain Res** 1985 Feb 11;326(2):203-12

Changes in the electrical properties of olfactory epithelial cells in the tiger salamander after olfactory nerve transection. Masukawa LM, et al. **J Neurosci** 1985 Jan; 5(1):136-41

Perireceptor and receptor events in vertebrate olfaction. Getchell TV, et al. **Prog Neurobiol** 1984;23(4):317-45 (185 ref.)

PHYSIOPATHOLOGY

[Electric stimulation of the human olfactory nerve--an approach to short-term memory?] Gorkisch K, et al. **HNO** 1985 Jul;33(7):325-7 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[A case of basal encephalomeningocele (a transethmoidal type) containing the olfactory nerve] Amagasa M, et al. **No Shinkei Geka** 1985 Mar;13(3):313-9 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Experimental in vivo imaging of the cranial perineural lymphatic pathway. Pile-Spellman JM, et al. **AJNR** 1984 Sep-Oct;5(5):539-45

OLFACTORY PATHWAYS see under **CENTRAL NERVOUS SYSTEM**

2',5'-OLIGOADENYLATE POLYMERASE see **2',5'-OLIGOADENYLATE SYNTHETASE**

2',5'-OLIGOADENYLATE SYNTHETASE

ANALYSIS

Establishment of the antiviral state in alpha, beta-interferon-resistant Friend cells treated with gamma-interferon. Induction of 67-kilodalton protein kinase activity in absence of detectable 2-5A synthetase. Romeo G, et al. **J Biol Chem** 1985 Mar 25;260(6):3833-8

Continuous production of interferon in normal mice: effect of anti-interferon globulin, sex, age, strain and environment on the levels of 2-5A synthetase and p67K kinase. Galabru J, et al. **J Gen Virol** 1985 Apr;66 (Pt 4):711-8

Immunoregulation during acute infection with Epstein-Barr virus: dynamics of interferon and 2',5'-oligoadenylate synthetase activity. Brewster FE, et al. **J Infect Dis** 1985 Jun;151(6):1109-15

ANTAGONISTS & INHIBITORS

Inhibitor of 2',5'-oligoadenylate synthetase induced in human T lymphoblastoid cell line treated with deoxyadenosine, deoxycoformycin and interferon. Heike T, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):1019-25

BIOSYNTHESIS

Induction of 2',5'-oligoadenylate synthetase by retinoic acid in two transformed human cell lines. Bourgeade MF, et al. **Cancer Res** 1984 Nov;44(11):5355-60

Characteristics of the induction of two double-stranded RNA-dependent enzymes by interferon in parental and variant L cells. Veomett GE, et al. **J Interferon Res** 1985 Spring;5(2):327-37

BLOOD

2',5'-Oligoadenylate and 2',5'-oligoadenylate phosphodiesterase in human plasma. Sawai H, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1061-6

Enhancement of natural killer cell activity and 2-5A synthetase in operable breast cancer patients treated with polyadenylic; polyuridylic acid. Hovanessian AG, et al. **Cancer** 1985 Jan 15;55(2):357-62

(2'-5') oligo adenylate synthetase activity in leucocytes of patients with inflammatory bowel disease. Stalnikowicz R, et al. **Gut** 1985 Jun;26(6):556-61

Presence of (2'-5')oligoadenylate synthetase in avian erythrocytes. Sokawa J, et al. **J Biochem (Tokyo)** 1984 Jul; 96(1):215-22

Oligo-2',5'-adenylate synthetase activity in peripheral blood mononuclear leukocytes in various diseases. Fujii N, et al. **J Clin Microbiol** 1984 Dec;20(6):1216-8

Interferon-induced 2'-5' oligoadenylate synthetase during interferon-alpha therapy in homosexual men with Kaposi's sarcoma: marked deficiency in biochemical response to interferon in patients with acquired immunodeficiency syndrome. Preble OT, et al. **J Infect Dis** 1985 Sep; 152(3):457-65

Elevated levels of interferon-induced 2'-5' oligoadenylate synthetase in generalized persistent lymphadenopathy and the acquired immunodeficiency syndrome. Read SE, et al. **J Infect Dis** 1985 Sep;152(3):466-72

Measurement of 2',5'-oligoadenylate synthetase in patients receiving interferon-alpha. Merritt JA, et al. **J Interferon Res** 1985 Winter;5(1):191-8

GENETICS

Human 2-5A synthetase: characterization of a novel cDNA and corresponding gene structure. Saunders ME, et al. **EMBO J** 1985 Jul;4(7):1761-8

3' end structure of the human (2'-5') oligo A synthetase gene: prediction of two distinct proteins with cell type-specific expression. Benech P, et al. **Nucleic Acids Res** 1985 Feb 25;13(4):1267-81

METABOLISM

Activities of cAMP-dependent protein kinase and enzymes of 2',5'-oligoadenylate metabolism in NIH 3T3 cells deepening into the resting state. Itkes AV, et al. **Exp Cell Res** 1985 Apr;157(2):335-42

Expression of the 2-5A system during the cell cycle. Wells V, et al. **Exp Cell Res** 1985 Jul;159(1):27-36

Chloroquine impairs the interferon-induced antiviral state without affecting the 2',5'-oligoadenylate synthetase. Chelbi-Alix MK, et al. **J Biol Chem** 1985 Jul 5; 260(13):7960-4

Cleavage of nascent reovirus mRNA by localized activation of the 2'-5'-oligoadenylate-dependent endoribonuclease. Baglioni C, et al. **J Virol** 1984 Dec;52(3):865-71

Injection of mice with antibody to mouse interferon alpha/beta decreases the level of 2'-5' oligoadenylate synthetase in peritoneal macrophages. Gresser I, et al. **J Virol** 1985 Jan;53(1):221-7

OLIGOCHAETA

Intestinal infection by terrestrial Isopoda (Oniscus spp.) and Oligochaeta (Lumbricus spp.) [letter] Dar FK, et al. **Trans R Soc Trop Med Hyg** 1984;78(5):703-4

[The molecular architecture and the oxygenation function of the giant hemoglobin of earthworm] Ochiai T. **Seikagaku** 1985 Apr;57(4):313-20 (47 ref.) **(Jpn)**

ANALYSIS

The dissociation of the extracellular hemoglobin of Tubifex tubifex at extremes of pH and its reassociation upon return to neutrality. Polidori G, et al. **Arch Biochem Biophys** 1984 Sep;233(2):800-14

Protein analysis of earthworm coelomic fluid. III. Isolation and characterization of several bacteriostatic molecules from Eisenia fetida andrei. Vaillier J, et al. **Dev Comp Immunol** 1985 Winter;9(1):11-20

Oxygen binding to Octolasium complanatum erythrocruorin. Modulation of homo- and heterotropic interactions by cations. Santucci R, et al. **J Mol Biol** 1984 Nov 15; 179(4):713-27

ANATOMY & HISTOLOGY

Fine structure of epidermal mucous cells of some Brazilian earthworms (Oligochaeta:Annelida). Alves CE, et al. **Anat Anz** 1985;158(3):263-71

CLASSIFICATION

Esterases of earthworms--III. Electrophoresis reveals that Eisenia fetida (Savigny) is two species. Oien N, et al. **Comp Biochem Physiol [C]** 1984;78(2):277-82

DRUG EFFECTS

Accumulation of methylmercury in the earthworm, Eisenia foetida, and its effect on regeneration. Beyer WN, et al. **Bull Environ Contam Toxicol** 1985 Aug;35(2):157-62

IMMUNOLOGY

Earthworm leukocyte interactions during early stages of graft rejection. Cooper EL, et al. **J Exp Zool** 1984 Oct; 232(1):67-72

METABOLISM

Calcium-dependent allosteric modulation of the giant hemoglobin from the terrestrial oligochaete, Eisenia foetida. Igarashi Y, et al. **Biochem Int** 1985 Apr;10(4):611-8

Effects of anesthesia on the electrolyte concentrations in blood and coelomic fluid of the earthworm, Pheretima communissima. Oguro C, et al. **Comp Biochem Physiol [C]** 1984;79(2):277-9

Detoxication of xenobiotics by earthworms. Stenersen J. **Comp Biochem Physiol [C]** 1984;78(2):249-52 (23 ref.)

Characterization of vomeronasally-mediated response-eliciting components of earthworm wash-II. Halpern M, et al. **Pharmacol Biochem Behav** 1984 Oct; 21(4):655-62

PHYSIOLOGY

Toxicity of the pyrethroid insecticides cypermethrin and WL85871 to the earthworm, Eisenia foetida savigny. Inglesfield C. **Bull Environ Contam Toxicol** 1984 Nov; 33(5):568-70

Dynamics of the actin microfilament system in the Tubifex egg during ooplasmic segregation. Shimizu T. **Dev Biol** 1984 Dec;106(2):414-26

A comparison of standardized methods for measuring the biological activity of pesticides to the earthworm, Lumbricus terrestris. Fisher SW. **Ecotoxicol Environ Safety** 1984 Dec;8(6):564-71

The tail flattening reflex in Lumbricus: reconstitution after tail amputation and modifications in segmental nerve roots. Gras H. **J Neurobiol** 1984 Jul;15(4):249-61

Restoration of sensory and motor function in earthworm escape reflex pathways following ventral nerve cord transplantation. Vining EP, et al. **J Neurobiol** 1985 Jul; 16(4):301-15

Donor-recipient interconnections between giant nerve fibers in transplanted ventral nerve cords of earthworms. Vining EP, et al. **J Neurobiol** 1985 Jul;16(4):283-99

OLIGODENDROGLIA see under **NEUROGLIA**

OLIGODENDROGLIOMA

Cystic oligodendroglioma. Inbasekaran V, et al. **Indian Pediatr** 1984 Dec;21(12):984-6

ANALYSIS

[Relation between the protein composition of glial tumors and various clinico-morphologic indices] Anton RG, et al. **Zh Vopr Neirokhir** 1984 Jul-Aug;(4):39-43 (Eng. Abstr.) **(Rus)**

BLOOD

Quantitative analysis of lymphocyte populations and T cell subsets in patients with intracranial glioma. Lin SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Feb;84(2):173-80

COMPLICATIONS

Oligodendroglioma and cerebral cavernous angioma. Case report. Chee CP, et al. **J Neurosurg** 1985 Jan;62(1):145-7

DIAGNOSIS

[Oligodendrogliomas--report of four rare cases] Kikuchi K, et al. **Rinsho Hoshasen** 1985 Mar;30(3):403-6 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

An immunochemical investigation of 2':3'-cyclic nucleotide 3'-phosphodiesterase (CNP) in bovine cerebrum and human oligodendroglioma. Sheedlo HJ, et al. **J Neurosci Res** 1985;13(3):431-41

METABOLISM

Glial fibrillary acidic protein (GFAP) in oligodendroglial tumors: gliofibrillary oligodendroglioma and transitional oligoastrocytoma as subtypes of oligodendroglioma. Herpers MJ, et al. **Acta Neuropathol (Berl)** 1984; 64(4):265-72

Regulation of cerebroside and sulfatide metabolism in glia cells. Jungalwala FB, et al. **J Neurochem** 1985 Jul; 45(1):191-8

PATHOLOGY

The meaning of the concept of the 'transitional' group of oligodendrogliomas (a pathological and histochemical study). Hlavka V, et al. **Acta Med Iugosl** 1985;39(2):87-95

Immunohistochemical studies on cellular character of microtumors induced by ethylnitrosourea in the rat brain utilizing anti-Leu 7 and anti-glial fibrillary acidic protein antibodies. Yoshino T, et al. **Acta Neuropathol (Berl)** 1985; 66(2):167-9

Oligodendroglioma of the posterior fossa in childhood. Packer RJ, et al. **Cancer** 1985 Jul 1;56(1):195-9

Oligodendroglial tumors in childhood. Favier J, et al. **Childs Nerv Syst** 1985;1(1):33-8

Metastatic oligodendroglioma presenting as a leukoerythroblastic anaemia. Newman HF, et al. **Eur J Surg Oncol** 1985 Sep;11(3):287-8

RADIOGRAPHY

Primary oligodendroglioma of the lateral ventricle with computed tomographic and positron emission tomographic evaluations. Kikuchi K, et al. **Surg Neurol** 1985 May; 23(5):483-8

SURGERY

Cerebral glioblastomas can be cured! Bucy PC, et al. **Neurosurgery** 1985 May;16(5):714-7

[Infratentorial oligodendroglioma: report of a case] Kitoh A, et al. **No Shinkei Geka** 1984 Dec;12(13):1523-7 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

[Prognostic significance of perivascular round cell infiltrations in oligodendroglioma] Neumann J. **Neurochirurgia (Stuttg)** 1985 Jan;28(1):17-9 (Eng. Abstr.) **(Ger)**

VETERINARY

Oligodendroglioma in an aged rat. Aiuchi M, et al. **Nippon Juigaku Zasshi** 1985 Jun;47(3):453-7

OLIGODENDROMA see **OLIGODENDROGLIOMA**

OLIGODEOXYRIBONUCLEOTIDES see under **OLIGONUCLEOTIDES**

OLIGO-1,6-GLUCOSIDASE see under **GLYCOSIDE HYDROLASES**

OLIGOMENORRHEA see under **MENSTRUATION DISORDERS**

OLIGOMYCINS

METABOLISM

Interactions between the oligomycin sensitivity conferring protein (OSCP) and beef heart mitochondrial F1-ATPase. 1. Study of the binding parameters with a chemically radiolabeled OSCP. Dupuis A, et al. **Biochemistry** 1985 Jan 29;24(3):728-33

Interactions between the oligomycin sensitivity conferring protein (OSCP) and beef heart mitochondrial F1-ATPase. 2. Identification of the interacting F1 subunits by cross-linking. Dupuis A, et al. **Biochemistry** 1985 Jan 29; 24(3):734-9

PHARMACODYNAMICS

Cation-dependent reassembly of F0F1-ATPase in submitochondrial particles: evidence for a binding site for F1 on F0 in the absence of F6 and oligomycin sensitivity-conferring protein. Sandri G, et al. **Arch Biochem Biophys** 1985 Jun;239(2):595-602

Occlusion of Na+ by the Na,K-ATPase in the presence of oligomycin. Esmann M, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):857-63

An investigation on the effect of oligomycin on state-4 respiration in isolated rat-liver mitochondria. Masini A, et al. **Biochim Biophys Acta** 1984 Oct 26;767(1):130-7

Inhibition of Escherichia coli H+-ATPase by venturicidin, oligomycin and ossamycin. Perlin DS, et al. **Biochim Biophys Acta** 1985 May 31;807(3):238-44

Detection of primary antimitochondrial activity of drugs in cultured mammalian cells utilizing glutamine as the carbon source. Patel R, et al. **Exp Cell Biol** 1984;52(3):176-82

Cloning of mitochondrially determined oligomycin resistance, oli-1 in yeast. Mabuchi T, et al. **J Antibiot (Tokyo)** 1985 Apr;38(4):505-12

The oligomycin sensitivity conferring protein (OSCP) of beef heart mitochondria: studies of its binding to F1 and its function. Hundal T, et al. **J Bioenerg Biomembr** 1984 Dec; 16(5-6):535-50

Mechanism of inhibition of mitochondrial adenosine triphosphatase by dicyclohexylcarbodiimide and oligomycin: relationship to ATP synthesis. Penefsky HS. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1589-93

Two cytoplasmically inherited oligomycin-resistant Chinese hamster cell lines exhibit an altered mitochondrial translation product. Shew JY, et al. **Somatic Cell Mol Genet** 1985 Jan;11(1):103-8

Sensitivity of oligomycin-inhibited respiration of isolated rat liver mitochondria to perfluidone, a fluorinated arylalkylsulfonamide. Olorunsogo OO, et al. **Toxicology** 1985 Jun 14;35(3):231-40

[Primary structure of the OSCP protein that confers sensitivity to oligomycin on the mitochondrial H+-ATPase complex. I. Tryptic and cyanogen bromide peptides] Grinkevich VA, et al. **Bioorg Khim** 1985 Mar;

11(3):321-33 (Eng. Abstr.) **(Rus)**

TOXICITY

Oligomycin toxicity in intact rats. Kramar R, et al. **Agents Actions** 1984 Dec;15(5-6):660-3

OLIGONUCLEOTIDES

Primer-directed mutagenesis of linearized plasmids. Hollenberg SM, et al. **Anal Biochem** 1984 Dec;143(2):341-9

Dideoxy DNA sequencing with end-labeled oligonucleotide primers. McGraw RA 3d. **Anal Biochem** 1984 Dec; 143(2):298-303

Thermal stability of the Z-conformation of the tetranucleoside triphosphate (m5dC-dG)2. Genest D, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):803-11

Sequential assignment of the 1H and 31P resonances of the double stranded deoxynucleotide d (ATGCAT)2 by 2D-NMR correlation spectroscopy. Marion D, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):774-83

Assignment of resonances in the 31P NMR spectrum of d(GGAATTCC) by regiospecific labeling with oxygen-17. Connolly BA, et al. **Biochemistry** 1984 Nov 6;23(23):5523-7

31P and two-dimensional 31P/1H correlated NMR spectra of Duplex d(Ap[17O]Gp[18O]Cp[16O]T) and assignment of 31P signals in d(ApGpCpT)2-actinomycin D complex. Gorenstein DG, et al. **Biochemistry** 1984 Dec 18; 23(26):6717-23

Solvent effects on the stability of A7U7p. Hickey DR, et al. **Biochemistry** 1985 Apr 9;24(8):2086-94

Proton and phosphorus nuclear magnetic resonance studies of an oligothymidylate covalently linked to an acridine derivative and of its binding to complementary sequences. Lancelot G, et al. **Biochemistry** 1985 May 7;24(10):2521-9

Conformation and dynamics of the Pribnow box region of the self-complementary d(C-G-A-T-T-A-T-A-A-T-C-G) duplex in solution. Patel DJ, et al. **Biochemistry** 1985 Feb 12;24(4):936-44

The octamers d(CGCGCGCG) and d(CGCATGCG) both crystallize as Z-DNA in the same hexagonal lattice. Fujii S, et al. **Biopolymers** 1985 Jan;24(1):243-50

Molecular mechanical studies of base-pair opening in d(CGCGC):d(GCGCG), dG5 . dC5, d(TATAT):d(ATATA), and dA5 . dT5 in the B and Z forms of DNA. Keepers J, et al. **Biopolymers** 1984 Nov; 23(11 Pt 2):2499-511

Molecular-mechanical studies of the mismatched base analogs of d(CGCGAATTCGCG)2:d(CGTGAATTCGCG)2, d(CGAGAATTCGCG)2, d(CGCGAATTCACG)2, d(CGCGAATTCTCG)2, and d(CGCAGAATTCGCG).d(CGCGAATTCGCG). Keepers JW, et al. **Biopolymers** 1984 Dec;23(12):2901-29

Use of unpurified synthetic deoxynucleotide primers for rapid dideoxynucleotide chain termination sequencing. Sanchez-Pescador R, et al. **DNA** 1984 Aug;3(4):339-43

Oligonucleotide-directed mutagenesis using plasmid DNA templates and two primers. Schold M, et al. **DNA** 1984 Dec;3(6):469-77

Oligonucleotide-directed mutagenesis: a simple method using two oligonucleotide primers and a single-stranded DNA template. Zoller MJ, et al. **DNA** 1984 Dec;3(6):479-88

The solution structure of a B-DNA undecamer comprising a portion of the specific target site for the cAMP receptor protein in the gal operon. Refinement on the basis of interproton distance data. Clore GM, et al. **EMBO J** 1985 Mar;4(3):829-35

Investigation of the solution structure of a DNA octamer [d(GGAATTCC)]2 using two-dimensional nuclear Overhauser enhancement spectroscopy. Broido MS, et al. **Eur J Biochem** 1985 Jul 1;150(1):117-28

Influence of dA X dT and d(2aminoA) X dT base pairs on the B in equilibrium Z transition of DNA fragments. 1H-NMR study of d(C-G-C-A-m5C-G-T-G-m5C-G), d(m5C-G-C-A-m5C-G-T-G-C-G) and d(C-2aminoA-C-G-T-G). Cavaillès JA, et al. **Eur J Biochem** 1985 Feb 15;147(1):183-90

The structure of the double-stranded RNA pentamer 5'(CACAG) . 5'(CUGUG) determined by nuclear Overhauser enhancement measurements: interproton distance determination and structure refinement on the basis of X-ray coordinates. Clore GM, et al. **Eur J Biochem** 1985 Aug 15;151(1):153-65

Interproton distance measurements in solution for a double-stranded DNA undecamer comprising a portion of the specific target site for the cycliC AMP receptor protein in the gal operon. A nuclear Overhauser enhancement study. Clore GM, et al. **FEBS Lett** 1984 Sep 17; 175(1):117-23

Probing the three-dimensional structures of DNA and RNA oligonucleotides in solution by nuclear Overhauser enhancement measurements. Clore GM, et al. **FEBS Lett** 1985 Jan 7;179(2):187-98 (96 ref.)

A——Z transition in the synthetic hexanucleotide (dCdGfl)3. Fazakerley GV, et al. **FEBS Lett** 1985 Mar 25;182(2):365-9

Direct cross-linking of heptauridilate to E. coli ribosomes by water-soluble carbodiimide in the complex stabilized by codon-anticodon interaction at both A- and P-sites. Gimautdinova OI, et al. **FEBS Lett** 1985 Jun 17; 185(2):221-5

Sequence-specific chemical modification of a 365-nucleotide-long DNA fragment with an alkylating oligonucleotide derivative. Vlassov VV, et al. **FEBS Lett** 1985 Mar 25;182(2):415-8

Oligonucleotides covalently linked to intercalating agents. Influence of positively charged substituents on binding to complementary sequences. Asseline U, et al. **J Biol Chem** 1985 Jul 25;260(15):8936-41

Interaction of diphtheria toxin with adenylyl-(3',5')-uridine 3'-monophosphate. I. Equilibrium and kinetic measurements. Collins CM, et al. **J Biol Chem** 1984 Dec 25;259(24):15154-8

Interaction of diphtheria toxin with adenylyl-(3',5')-uridine 3'-monophosphate. II. The NAD-binding site and determinants of dinucleotide affinity. Collins CM, et al. **J Biol Chem** 1984 Dec 25;259(24):15159-62

In situ hybridization of putative somatostatin mRNA within hypothalamus of the rat using synthetic oligonucleotide probes. Arentzen R, et al. **J Cell Biochem** 1985;27(4):415-22

Crystallization and preliminary crystallographic studies of the decadeoxyoligonucleotide d(CpGpTpApCpGpTpApCpG). Brennan RG, et al. **J Mol Biol** 1985 Feb 20;181(4):561-3

Template-directed synthesis on oligodeoxycytidylate and polydeoxycytidylate templates. Chen CB, et al. **J Mol Biol** 1985 Jan 20;181(2):271-9

The crystal structure of d(G-G-G-G-C-C-C-C). A model for poly(dG).poly(dC). McCall M, et al. **J Mol Biol** 1985 Jun 5;183(3):385-96

Sequences on the 3' side of hexanucleotide AAUAAA affect efficiency of cleavage at the polyadenylation site. Sadofsky M, et al. **Mol Cell Biol** 1984 Aug;4(8):1460-8

High-resolution structure of a DNA helix containing mismatched base pairs. Brown T, et al. **Nature** 1985 Jun 13-19;315(6020):604-6

Biotin-labeled synthetic oligodeoxyribonucleotides: chemical synthesis and uses as hybridization probes. Chollet A, et al. **Nucleic Acids Res** 1985 Mar 11;13(5):1529-41

Circular dichroism measurements show that C.C+ base pairs can coexist with A.T base pairs between antiparallel strands of an oligodeoxynucleotide double-helix. Gray DM, et al. **Nucleic Acids Res** 1984 Oct 11;12(19):7565-80

Polymer-stimulated ligation: enhanced ligation of oligo- and polynucleotides by T4 RNA ligase in polymer solutions. Harrison B, et al. **Nucleic Acids Res** 1984 Nov 12; 12(21):8235-51

Quantitative hybridization-arrest of mRNA in Xenopus oocytes using single-stranded complementary DNA or oligonucleotide probes. Kawasaki ES. **Nucleic Acids Res** 1985 Jul 11;13(13):4991-5004

Chemical and enzymatic biotin-labeling of oligodeoxyribonucleotides. Kempe T, et al. **Nucleic Acids Res** 1985 Jan 11;13(1):45-57

Mechanism of codon recognition by transfer RNA studied with oligonucleotides larger than triplets. Labuda D, et al. **Nucleic Acids Res** 1985 May 24;13(10):3667-83

Conformational characteristics of the hexanucleoside pentaphosphate AUAUAU: a 2D NMR study at 500 MHz. Lankhorst PP, et al. **Nucleic Acids Res** 1985 May 10; 13(9):3317-33

RsrII--a novel restriction endonuclease with a heptanucleotide recognition site. O'Connor CD, et al. **Nucleic Acids Res** 1984 Sep 11;12(17):6701-8

N-acetoxy-2-acetylaminofluorene modification of a deoxyoligonucleotide duplex. Sanford DG, et al. **Nucleic Acids Res** 1985 Aug 26;13(16):5907-18

Use of short DNA oligonucleotides for determination of DNA sequence modifications induced by benzo[a]pyrene diol epoxide. Wei SJ, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):5936-40

Base composition-independent hybridization in tetramethylammonium chloride: a method for oligonucleotide screening of highly complex gene libraries. Wood WI, et al. **Proc Natl Acad Sci USA** 1985 Mar; 82(6):1585-8

NMR analysis of an oligodeoxyribonucleotide-drug adduct: anthramycin-d(ATGCAT). Graves DE, et al. **Prog Clin Biol Res** 1985;172B:193-205

[The effect of structure and conformation on the relative hydrophobicity of dinucleosidephosphates and their analogs] Shchukina LG, et al. **Mol Biol (Mosk)** 1984 Jul-Aug;18(4):1128-33 (Eng. Abstr.) **(Rus)**

[Anisotropic flexibility of DNA depends on the base sequence. Conformation calculations of double-stranded tetranucleotides AAAA:TTTT, (AATT)2, (TTAA)2, GGGG:CCCC, (GGCC)2, (CCGG)2] Ul'ianov NB, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1664-85 (Eng. Abstr.) **(Rus)**

ANALYSIS

M13 clones carrying point mutations: identification by solution hybridization. Hobden AN, et al. **Anal Biochem** 1985 Jan;144(1):75-8

Functional analysis of 2-5A-dependent RNase and 2-5a using 2',5'-oligoadenylate-cellulose. Silverman RH. **Anal Biochem** 1985 Feb 1;144(2):450-60

Optimization of polyacrylamide gel electrophoresis conditions used for sequencing mixed oligodeoxyribonucleotides. Landick R, et al. **DNA** 1984 Oct;3(5):413-9

Mechanisms of interferon action: reflections on the 2-5A system. Silverman RH. **Interferon** 1984;3:177-88 (47 ref.)

Purification of synthetic oligodeoxyribonucleotides by ion-exchange high-performance liquid chromatography. Scanlon D, et al. **J Chromatogr** 1984 Dec 7;336(1):189-98

A new method for sequence analysis of oligodeoxyribonucleotides. Black DM, et al. **Nucleic Acids Res** 1985 Apr 11;13(7):2433-42

Solid-phase methods for sequencing of nucleic acids I. Simultaneous sequencing of different oligodeoxyribonucleotides using a new, mechanically stable anion-exchange paper. Rosenthal A, et al. **Nucleic Acids Res** 1985 Feb 25;13(4):1173-84

Molecular dynamics simulations of d(C-G-C-G-A) X d(T-C-G-C-G) with and without 'hydrated' counterions. Singh UC, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):755-9

Isolation and biochemical characterization of intertypic recombinants of foot-and-mouth disease virus. McCahon D, et al. **Virus Res** 1985 Jul;3(1):87-100

Biochemical and serological studies of influenza B viruses: comparisons of historical and recent isolates. Oxford JS, et al. **Virus Res** 1984;1(3):241-58

[Primary structure of tRNA2Leu from the bovine udder. Determination of the oligonucleotide structure of the pyrimidyl-RNAse hydrolysate of tRNA2Leu by microspectrophotometric methods] Tukalo MA, et al. **Bioorg Khim** 1984 Jan;10(1):50-7 (Eng. Abstr.) **(Rus)**

[Primary structure of tRNA2Leu of bovine mammary gland. Oligonucleotides of T1-RNAse hydrolysate. Reconstruction of a total nucleotide sequence] Tukalo MA, et al. **Bioorg Khim** 1984 Jan;10(1):58-67 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Analogue inhibitor of 2-5A action: effect on the interferon-mediated inhibition of encephalomyocarditis virus replication. Watling D, et al. **EMBO J** 1985 Feb; 4(2):431-6

BIOSYNTHESIS

Synthesis and purification of oligoribonucleotides using T4 RNA ligase and reverse-phase chromatography. Middleton T, et al. **Anal Biochem** 1985 Jan;144(1):110-7

Phosphorylation of 2-5A core 5'-diphosphate to 2-5A in mouse L cell extracts. Lesiak K, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):917-21

Plant oligoadenylates: enzymatic synthesis, isolation, and biological activities. Devash Y, et al. **Biochemistry** 1985 Jan 29;24(3):593-9

2',5'-Oligoadenylates chiral at phosphorus: enzymatic synthesis, properties, and biological activities of 2',5'-phosphorothioate trimer and tetramer analogues synthesized from (SP)-ATP alpha S. Lee C, et al. **Biochemistry** 1985 Jan 29;24(3):551-5

Oligonucleotide synthesis by Escherichia coli dnaG primase in conjunction with phage P22 gene 12 protein. Wickner S. **J Biol Chem** 1984 Nov 25;259(22):14044-7

Template-directed synthesis on the pentanucleotide CpCpGpCpC. Inoue T, et al. **J Mol Biol** 1984 Sep 25; 178(3):669-76

[Enzymatic synthesis of oligonucleotides corresponding to the 3'-terminus of influenza virus RNA] Zhenodarova SM, et al. **Bioorg Khim** 1983 Oct;9(10):1382-7 (Eng. Abstr.) **(Rus)**

BLOOD

2',5'-Oligoadenylate and 2',5'-oligoadenylate phosphodiesterase in human plasma. Sawai H, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1061-6

CHEMICAL SYNTHESIS

Automatic synthesis of oligodeoxynucleotides and mixed oligodeoxynucleotides using the phosphoamidite method. Josephson S, et al. **Acta Chem Scand [B]** 1984;38(7):539-45

Chemical synthesis of a pentaribonucleoside tetraphosphate constituting the 3'-acceptor stem sequence of E. coli tRNAIle using 2'-O-(3-methoxy-1,5-dicarbomethoxypentan-3-yl)-ribon building blocks. Application of a new achiral and acid-labile 2'-hydroxyl protecting group in tRNA synthesis. Sandström A, et al. **Acta Chem Scand [B]** 1985; 39(4):273-90

Comparison of controlled pore glass and Kieselguhr-polydimethylacrylamide composite as supports for solid-phase synthesis of 23-residue oligodeoxyribonucleotides in milligram amounts. Minganti C, et al. **Anal Biochem** 1985 May 15;147(1):63-74

Synthesis and characterization of a set of four dodecadeoxyribonucleoside undecaphosphates containing O6-methylguanine opposite adenine, cytosine, guanine, and thymine. Gaffney BL, et al. **Biochemistry** 1984 Nov 20; 23(24):5686-91

Use of ribonucleosides as protecting groups in synthesis of polynucleotides with phosphorylated terminals. Nadeau JG, et al. **Biochemistry** 1984 Dec 4;23(25):6153-9

Construction and evaluation of an instrument for the automated synthesis of oligodeoxyribonucleotides. Warner BD, et al. **DNA** 1984 Oct;3(5):401-11

Synthetic donor and acceptor splice sites function in an RNA polymerase B (II) transcription unit. Rautmann G, et al. **EMBO J** 1984 Sep;3(9):2021-8

Synthetic oligonucleotide probes deduced from amino acid sequence data. Theoretical and practical considerations.

Lathe R. **J Mol Biol** 1985 May 5;183(1):1-12

Template-directed synthesis with 2-aminoadenosine. Grzeskowiak K, et al. **J Mol Evol** 1984;21(1):81-3

New, ionic side-products in oligonucleotide synthesis: formation and reactivity of fluorescent N-/purin-6-yl/pyridinium salts. Adamiak RW, et al. **Nucleic Acids Res** 1985 Apr 25;13(8):2989-3003

Chemical synthesis of oligonucleotides containing a free sulphydryl group and subsequent attachment of thiol specific probes. Connolly BA, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4485-502

Synthesis and reactions of a nucleoside derivative of phosphoric sulfonic anhydride. Studies related to the mechanisms of coupling reactions in the chemical synthesis of oligodeoxyribonucleotides by phosphotriester procedures. Dabkowski W, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):9123-35

Improved rapid phosphotriester synthesis of oligodeoxyribonucleotides using oxygen-nucleophilic catalysts. Efimov VA, et al. **Nucleic Acids Res** 1985 May 24;13(10):3651-66

Methylation of thymine residues during oligonucleotide synthesis. Gao X, et al. **Nucleic Acids Res** 1985 Jan 25;13(2):573-84

Oligonucleotides complementary to a promoter over the region -8...+2 as transcription primers for E. coli RNA polymerase. Grachev MA, et al. **Nucleic Acids Res** 1984 Nov 26;12(22):8509-24

Cyclic diacyl groups for protection of the N6-amino group of deoxyadenosine in oligodeoxynucleotide synthesis. Kume A, et al. **Nucleic Acids Res** 1984 Nov 26;12(22):8525-38

Synthesis of phosphorothioate-containing DNA fragments by a modified hydroxybenzotriazole phosphotriester approach. Marugg JE, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):9095-110

Synthesis and biophysical studies of short oligodeoxynucleotides with novel modifications: a possible approach to the problem of mixed base oligodeoxynucleotide synthesis. Millican TA, et al. **Nucleic Acids Res** 1984 Oct 11;12(19):7435-53

Synthesis of deoxyoligonucleotides containing 7-deazaadenine: recognition and cleavage by restriction endonuclease Bgl II and Sau 3AI (nucleosides and nucleotides Part 55). Ono A, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8939-49

Filter disc supported oligonucleotide synthesis by the phosphite method. Ott J, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):9137-42

A rapid deprotection procedure for phosphotriester DNA synthesis. Patel TP, et al. **Nucleic Acids Res** 1984 Sep 11;12(17):6853-9

Action of acid on oligoribonucleotide phosphotriester intermediates. Effect of released vicinal hydroxy functions. Reese CB, et al. **Nucleic Acids Res** 1985 Jul 25;13(14):5215-31

Solid-phase synthesis of the self-complementary hexamer d(c7GpCpc7GpCpc7GpC) via the O-3'-phosphoramidite of 7-deaza-2'-deoxyguanosine. Seela F, et al. **Nucleic Acids Res** 1985 Feb 11;13(3):911-26

The synthesis of oligonucleotides containing an aliphatic amino group at the 5' terminus: synthesis of fluorescent DNA primers for use in DNA sequence analysis. Smith LM, et al. **Nucleic Acids Res** 1985 Apr 11;13(7):2399-412

A new linkage for solid phase synthesis of oligodeoxyribonucleotides. Sproat BS, et al. **Nucleic Acids Res** 1985 Apr 25;13(8):2979-87

Synthesis and conformational studies of ribooligonucleotides which contain an alternating C-G sequence and show unusual circular dichroism spectra. Uesugi S, et al. **Nucleic Acids Res** 1984 Oct 25;12(20):7793-810

Preparation of oligonucleotides corresponding to the acceptor stem of yeast tRNAPhe and their interaction with yeast ATP(CTP):tRNA nucleotidyltransferase. Wang GH, et al. **Nucleic Acids Res** 1984 Sep 11;12(17):6909-22

Chemical synthesis and biological activities of partially inosine-substituted 2',5'-oligoadenylates: functional discrimination of three adenine amino groups on 2-5A for the binding to and activation of 2-5A-dependent endonuclease. Imai J, et al. **Nucleic Acids Symp Ser** 1984;(15):81-4

Synthesis of oligoribonucleotides using the methoxyethoxymethyl group as the protecting groups of the base residues and the hydroxyl functions. Ito T, et al. **Nucleic Acids Symp Ser** 1984;(15):89-92

A rapid internucleotide bond formation for the phosphotriester approach by use of new condensing reagents. Matsuzaki J, et al. **Nucleic Acids Symp Ser** 1984;(15):93-6

Synthesis of nucleotide oligomer having amino group in the side chain of internucleotidic bond. Shimidzu T, et al. **Nucleic Acids Symp Ser** 1984;(15):97-100

Synthesis of oligonucleotides containing the hypermodified base, alpha-putrescinylthymine. Takeda T, et al. **Nucleic Acids Symp Ser** 1984;(15):101-4

Synthesis of a gene for human growth hormone and its expression in Escherichia coli. Ikehara M, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):5956-60

[Chemico-enzymatic synthesis of the structural gene of yeast valine tRNA] Berlin IuA, et al. **Bioorg Khim** 1983 Jan;9(1):43-51 (Eng. Abstr.) **(Rus)**

[Chemico-enzymatic synthesis of an oligonucleotide template for an analog of ACTH (4-10) fragment] Ratmanova KI, et al. **Bioorg Khim** 1984 Apr;10(4):564-6 (Eng. Abstr.) **(Rus)**

[Rapid method of DNA assembly from synthetic oligodeoxynucleotides] Korobko VG, et al. **Dokl Akad Nauk SSSR** 1984;278(5):1250-3 **(Rus)**

DIAGNOSTIC USE

Use of synthetic oligonucleotide and recombinant DNA probes to study renin gene expression. Darby IA, et al. **Clin Exp Pharmacol Physiol** 1985 May-Jun;12(3):199-203

Localization of arginine vasopressin-neurophysin II messenger ribonucleic acid in the hypothalamus of control and Brattleboro rats by hybridization histochemistry with a synthetic pentadecamer oligonucleotide probe. Fuller PJ, et al. **Endocrinology** 1985 Jun;116(6):2366-8

GENETICS

Discrimination among the human beta A, beta S, and beta C-globin genes using allele-specific oligonucleotide hybridization probes. Studencki AB, et al. **Am J Hum Genet** 1985 Jan;37(1):42-51

A point mutation in the conserved hexanucleotide at a yeast 5' splice junction uncouples recognition, cleavage, and ligation. Parker R, et al. **Cell** 1985 May;41(1):107-18

The use of synthetic oligonucleotides with universal templates for rapid DNA sequencing: results with staphylococcal replicon pC221. Brenner DG, et al. **EMBO J** 1985 Feb;4(2):561-8

Convenient modification of the method for oligonucleotide-directed in vitro mutagenesis of cloned DNA. Efimov VA, et al. **FEBS Lett** 1985 Feb 25;181(2):407-11

Prenatal diagnosis of beta-thalassaemia with the synthetic-oligomer technique. Rosatelli C, et al. **Lancet** 1985 Feb 2;1(8423):241-3

Feasibility of prenatal diagnosis of beta-thalassaemia with synthetic DNA probes in two Mediterranean populations. Thein SL, et al. **Lancet** 1985 Aug 17;2(8451):345-7

Improved oligonucleotide site-directed mutagenesis using M13 vectors. Carter P, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4431-43

The gapped duplex DNA approach to oligonucleotide-directed mutation construction. Kramer W, et al. **Nucleic Acids Res** 1984 Dec 21;12(24):9441-56

Two-codon insertion mutagenesis of plasmid genes by using single-stranded hexameric oligonucleotides. Barany F. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4202-6

[Effective method of oligonucleotide-controlled mutagenesis of DNA fragments] Efimov VA, et al. **Bioorg Khim** 1985 May;11(5):621-7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Use of reverse phase ion pair chromatography to fractionate and purify DNA fragments and monomeric components of RNA. Kwiatkowski M, et al. **Acta Chem Scand [B]** 1984;38(9):721-33

High-performance anion-exchange chromatography of oligonucleotides. Drager RR, et al. **Anal Biochem** 1985 Feb 15;145(1):47-56

Reverse-phase polystyrene column for purification and analysis of DNA oligomers. Ikuta S, et al. **Anal Chem** 1984 Oct;56(12):2253-6

Reversed-phase high-performance liquid chromatographic separation of diastereomeric phosphorothioate analogues of oligodeoxyribonucleotides and other backbone-modified congeners of DNA. Stec WJ, et al. **J Chromatogr** 1985 Jun 19;326:263-80

Preparation of RPC-5 like resin for HPLC (Neosorb LC) and its use for the separation of oligonucleotides and mononucleotides. Sawai H. **Nucleic Acids Symp Ser** 1984;(15):105-8

METABOLISM

Phosphorylation of 2-5A core 5'-diphosphate to 2-5A in mouse L cell extracts. Lesiak K, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):917-21

Selective binding of elliptinium acetate onto the 3'-terminal ribose of diribonucleosides monophosphates. Pratviel G, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1173-9

Conformational microheterogeneity in a DNA double helix: structure of restriction endonuclease Bam H1 recognition site. Sarma MH, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):269-76

Cooperative interactions in the system ribosomes-ribosomal protein S1-polynucleotide triplets. Goss DJ, et al. **Biochemistry** 1984 Dec 18;23(26):6522-9

Identification of oligothymidylates as new simple substrates for Escherichia coli DNA photolyase and their use in a rapid spectrophotometric enzyme assay. Jorns MS, et al. **Biochemistry** 1985 Apr 9;24(8):1856-61

Catabolism of bis(5'-nucleosidyl) oligophosphates in Escherichia coli: metal requirements and substrate specificity of homogeneous diadenosine-5',5'''-P1,P4-tetraphosphate pyrophosphohydrolase. Plateau P, et al. **Biochemistry** 1985 Feb 12;24(4):914-22

Escherichia coli single-stranded DNA binding protein is mobile on DNA: 1H NMR study of its interaction with oligo- and polynucleotides. Römer R, et al. **Biochemistry** 1984 Dec 4;23(25):6132-7

Activation of oestrogen receptor complexes: evidence for the distinct regulation of ligand and oligonucleotide binding sites. Myatt L, et al. **Biochim Biophys Acta** 1985 May 30;845(2):304-10

Time-resolved fluorescence of bacteriophage Pf1 DNA-binding protein. Determination of oligonucleotide and polynucleotide binding parameters. Kneale GG, et al. **Eur J Biochem** 1985 May 15;149(1):85-93

Single-step elongation of oligodeoxynucleotides using terminal deoxynucleotidyl transferase. Schott H, et al. **Eur J Biochem** 1984 Sep 17;143(3):613-20

Activities of cAMP-dependent protein kinase and enzymes of 2',5'-oligoadenylate metabolism in NIH 3T3 cells deepening into the resting state. Itkes AV, et al. **Exp Cell Res** 1985 Apr;157(2):335-42

A phosphorus NMR study of the reaction products of cis-diamminedichloroplatinum (II) with a double-helical oligonucleotide and with DNA. den Hartog JH, et al. **FEBS Lett** 1984 Oct 29;176(2):393-7

Interactions between cro repressor and the model specific binding site. Kirpichnikov MP, et al. **FEBS Lett** 1984 Oct 1;175(2):317-20

500 MHz 1H-NMR study of the interaction of daunomycin with B and Z helices of d(CGm5CGCG). Neumann JM, et al. **FEBS Lett** 1985 Mar 25;182(2):360-4

Stereoelectronic effects in RNase-catalysed reactions of dinucleoside phosphate cleavage. Yakovlev GI, et al. **FEBS Lett** 1985 Jan 7;179(2):217-20

Kinetic studies on the cleavage of oligouridylic acids and poly U by bovine pancreatic ribonuclease A. Irie M, et al. **J Biochem (Tokyo)** 1984 Jul;96(1):89-96

Respective role of each of the purine N-6 amino groups of 5'-O-triphosphoryladenylyl(2'----5')adenylyl(2----5')ade in binding to and activation of RNase L. Imai J, et al. **J Biol Chem** 1985 Feb 10;260(3):1390-3

Binding of an antitumor drug to DNA, Netropsin and C-G-C-G-A-A-T-T-BrC-G-C-G. Kopka ML, et al. **J Mol Biol** 1985 Jun 25;183(4):553-63

Discontinuous DNA replication of Drosophila melanogaster is primed by octaribonucleotide primer. Kitani T, et al. **Mol Cell Biol** 1984 Aug;4(8):1591-6

Replacement and insertion of nucleotides at the anticodon loop of E. coli tRNAMetf by ligation of chemically synthesized ribooligonucleotides. Doi T, et al. **Nucleic Acids Res** 1985 May 24;13(10):3685-97

Oligonucleotide-directed mutagenesis by microscale 'shot-gun' gene synthesis. Grundström T, et al. **Nucleic Acids Res** 1985 May 10;13(9):3305-16

[Study of the ribosome mRNA-binding region during different stages of translation. I. Functional activity of mRNA analogs, AUGU6 and its benzylidene derivatives, in ribosome-dependent protein synthesis] Babkina GT, et al. **Bioorg Khim** 1983 Nov;9(11):1535-43 (Eng. Abstr.) **(Rus)**

[E. coli DNA polymerase. A study of the mechanism of primer binding using oligothymidylate analogs with ethylated internucleotide phosphate groups] Levina AS, et al. **Bioorg Khim** 1985 Mar;11(3):358-69 (Eng. Abstr.) **(Rus)**

[The in vivo formation of covalent compounds of bacteriophage phi X 174 protein A with nucleotides depends on phage DNA replication] Zolotukhin AS, et al. **Dokl Akad Nauk SSSR** 1985 Jul-Aug;283(1):213-5 **(Rus)**

[Regulation of the 2',5'-oligoadenylate level in mouse L cells] Zhelkovskiĭ AM, et al. **Mol Biol (Mosk)** 1985 Mar-Apr;19(2):489-95 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

n-Decyl-NHpppA2'p5'A2'p5'A A phosphatase-resistant, active pppA2'p5'A2'p5'A analog. Karikó K, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):695-8

Effects of K+ concentration on inhibition of protein synthesis by trimer and tetramer triphosphates of 2',5'-oligoadenylates in rabbit reticulocyte lysates. Wu JM, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):821-7

Regulation of poly(ADP-ribose) transferase activity by 2',5'-oligoadenylates. Pivazian AD, et al. **Biochem Int** 1984 Aug;9(2):143-52

Analogue inhibitor of 2-5A action: effect on the interferon-mediated inhibition of encephalomyocarditis virus replication. Watling D, et al. **EMBO J** 1985 Feb;4(2):431-6

Antiviral activity in L1210 cells of liposome-encapsulated (2'-5')oligo(adenylate) analogues. Bayard B, et al. **Eur J Biochem** 1985 Sep 2;151(2):319-25

Effect of dinucleotides on wheat germ translation system. Chroboczek J, et al **FEBS Lett** 1985 May 6;184(1):155-9

2-5A-dependent endoribonuclease activity and effects of A2'p5'A2'p5'A (2-5A core) in mouse pancreatic islets. Rhodes CJ, et al. **FEBS Lett** 1985 Jan 21;180(1):69-73

Differential antiproliferative actions of 2',5' oligo A trimer core and its cordycepin analogue on human tumor cells. Hubbell HR, et al. **Int J Cancer** 1985 Sep 15;36(3):389-94

Cordycepin analogs of ppp5'A2'p5'A2'p5'A (2-5A) inhibit protein synthesis through activation of the 2-5A-dependent endonuclease. Eppstein DA, et al. **J Biol Chem** 1985 Mar 25;260(6):3666-71

2',5'-Oligoadenylate trimer core and the cordycepin analog augment the tumoricidal activity of human natural killer cells. Black PL, et al. **J Immunol** 1984 Nov;133(5):2773–7

Oligonucleotide directed mutagenesis: selection of mutants by hemimethylation of GATC-sequences. Marmenout A, et al. **MGG** 1984;195(1–2):126–33

Influence of the xyloadenosine analogue of 2',5'-oligoriboadenylate on poly(A)-specific, 2',5'-oligoriboadenylate degrading 2',3'-exoribonuclease and further enzymes involved in poly(A)(+)mRNA metabolism. Schröder HC, et al. **Mol Biol Rep** 1984 Dec; 10(2):83–9

Oligonucleotide directed mutagenesis of Escherichia coli 5S ribosomal RNA: construction of mutant and structural analysis. Göringer HU, et al. **Nucleic Acids Res** 1984 Sep 25;12(18):6935–50

Methylation of either cytosine in the recognition sequence CGCG inhibits ThaI cleavage of DNA. Strobl JS, et al. **Nucleic Acids Res** 1984 Nov 12;12(21):8073–83

[Oligonucleotide-directed mutagenesis. The introduction of point mutations (transitions, deletions, insertions) in the beta-galactosidase gene] Petrenko VA, et al. **Dokl Akad Nauk SSSR** 1985;281(2):476–81 **(Rus)**

[Suppression of immunoglobulin synthesis in myeloma MORS 21 cells by an alkylating oligonucleotide derivative complementary to the mRNA coding for light-chain immunoglobulin] Vlasov VV, et al. **Dokl Akad Nauk SSSR** 1984;276(5):1263–5 **(Rus)**

PHYSIOLOGY

On the fidelity of DNA replication: use of synthetic oligonucleotide-initiated reactions. Abbotts J, et al. **Biochim Biophys Acta** 1985 Jan 29;824(1):58–65

The role of interferon-induced proteins, double-stranded RNA and 2', 5'-oligoadenylate in the interferon-mediated inhibition of viral translation. Johnston MI, et al. **Interferon** 1984;3:189–298 (32 ref.)

[Mechanisms of the regulation of the biological activity of the cell by 2',5-oligoadenylate] Itkes AV, et al. **Biokhimiia** 1985 Apr;50(4):531–42 (71 ref.) (Eng. Abstr.) **(Rus)**

[Participation of human thrombocyte oligonucleotides in blood coagulation] Egorova VA, et al. **Gematol Transfuziol** 1984 Aug;29(8):28–30 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

HPLC-n.m.r. studies of radiation damage to d(TpA). Belfi CA, et al. **Int J Radiat Biol** 1985 Apr;47(4):393–6

The photoreactivity of T-A sequences in oligodeoxyribonucleotides and DNA. Bose SN, et al. **Nucleic Acids Res** 1984 Oct 25;12(20):7903–14

The photochemistry of d(T-A) in aqueous solution and in ice. Bose SN, et al. **Nucleic Acids Res** 1984 Oct 25; 12(20):7929–47

TOXICITY

pppA2'p5A' blocks vesicular stomatitis virus replication in intact cells. Alarcon B, et al. **J Virol** 1984 Oct;52(1):183–7

OLIGOPEPTIDES

Determination of molecular weights by differential cryoscopy on small volumes of dilute solutions of oligopeptides. Davenport VG, et al. **Anal Biochem** 1984 Nov 1;142(2):400–5

L-Pyroglutamyl-L-phenylalanyl-L-leucine-p-nitroanilid chromogenic substrate for thiol proteinase assay. Filippova IYu, et al. **Anal Biochem** 1984 Dec;143(2):293–7

A screened electrostatic potential model of hydration for conformational analysis of biomolecules. Olatunji OL, et al. **Biochem Biophys Res Commun** 1985 Jan 16; 126(1):247–53

Use of perdeuterated peptides in NMR studies of neurophysin-hormone interaction: demonstration of peptide-specific changes in neurophysin resonances. Peyton D, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1211–8

Identification of oxygen nucleophiles in tetrahedral intermediates: 2H and 18O induced isotope shifts in 13C NMR spectra of pepsin-bound peptide ketone pseudosubstrates. Schmidt PG, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):597–602

The effect of synthetic analogues of chymostatin upon protein degradation in isolated skeletal muscle. Mulligan MT, et al. **Biochem J** 1985 Jul 15;229(2):491–7

Stability in rat plasma and serum of lysosomally degradable oligopeptide sequences in N-(2-hydroxypropyl) methacrylamide copolymers. Rejmanová P, et al. **Biomaterials** 1985 Jan;6(1):45–8

Solution-phase Raman-spectroscopic studies on synthetic collagen analogs: prolyl-prolyl-glycine and (prolyl-prolyl-glycine). Diem M, et al. **Biopolymers** 1984 Dec;23(12):2955–61

Conformation-function relationships in hydrophobic peptides: interior turns and signal sequences. Gierasch LM, et al. **Biopolymers** 1985 Jan;24(1):117–35

Studies on proline-containing tetrapeptide models of beta-turns. Hollosi M, et al. **Biopolymers** 1985 Jan; 24(1):211–42 (48 ref.)

Head-to-head dimerization of parallel beta helices in a synthetic model of the linear gramicidins. Lorenzi GP, et al. **Biopolymers** 1984 Oct;23(10):1905–16

Vibrational circular dichroism of polypeptides. IV. Film studies of L-alanine homo-oligopeptides. Narayanan U, et al. **Biopolymers** 1985 Jul;24(7):1257–63

Role of proline ... proline interactions in the packing of collagenlike poly(tripeptide) triple helices. Némethy G, et al. **Biopolymers** 1984 Dec;23(12):2781–99

Proton magnetic resonance studies on dermorphin and its peptide fragments. Pastore A, et al. **Biopolymers** 1984 Nov; 23(11 Pt 1):2349–60

A colorimetric assay for plasma antithrombin III using a new synthetic peptide substrate (PS-915). Asai K, et al. **Clin Chim Acta** 1984 Dec 29;144(2–3):163–71

Identification of glycine spin systems in 1H NMR spectra of proteins using multiple quantum coherences. Boyd J, et al. **FEBS Lett** 1985 Jul 1;186(1):35–40

Type II' beta-bend conformation of tert.-butyloxycarbonyl-L-amino-succinyl-L-alanyl-glyci methyl ester in the solid state. Capasso S, et al. **Int J Pept Protein Res** 1984 Dec;24(6):588–96

Studies on beta-turn of peptides. X. Effect of the chirality of 1st and 4th amino acids of tetrapeptide sequences on their beta-turn preferences studied by conformational energy calculation. Kawai M, et al. **Int J Pept Protein Res** 1984 Dec;24(6):607–12

Structure and conformation of linear peptides. III. Structure of glycyl-glycyl-L-valine. Lalitha V, et al. **Int J Pept Protein Res** 1984 Nov;24(5):437–41

Studies on beta-turn of peptides. IX. Effect of 1st and 14th amino acids of tetrapeptide sequences on their beta-turn preferences studied by CD spectra of their chromophoric derivatives. Sato K, et al. **Int J Pept Protein Res** 1984 Dec; 24(6):600–6

Oxygen-17 n.m.r. of peptides. Valentine B, et al. **Int J Pept Protein Res** 1985 Jan;25(1):56–68

The stereochemistry of hydrogen abstraction in vitamin K-dependent carboxylation. Decottignies-Le Maréchal P, et al. **J Biol Chem** 1984 Dec 25;259(24):15010–2

Guidelines for the production of polypeptide specific antisera using small synthetic oligopeptides as immunogens. Palfreyman JW, et al. **J Immunol Methods** 1984 Dec 31; 75(2):383–93

The absolute configuration on the chiral nitrogen atom of proline residue in the metal complexes of oligopeptides. Siemion IZ, et al. **J Inorg Biochem** 1984 Oct;22(2):137–41

The 1.8 A structure of the complex between chymostatin and Streptomyces griseus protease A. A model for serine protease catalytic tetrahedral intermediates. Delbaere LT, et al. **J Mol Biol** 1985 May 5;183(1):89–103

Triple rings: a new type of compact structure of circular DNA. Vengerov YY, et al. **J Mol Biol** 1985 Jul 20; 184(2):251–5

Peptide inhibitors of renin. Leckie BJ, et al. **Scott Med J** 1984 Apr;29(2):125–6

[Spatial structure of a vasoactive peptide--a fibrin fragment] Nikolaichik VV, et al. **Bioorg Khim** 1983 Jan;9(1):33–5 (Eng. Abstr.) **(Rus)**

[Conformation characteristics of gamma-glutamyl-containing peptides] Sandalova TP, et al. **Bioorg Khim** 1983 Aug;9(8):1013–20 (Eng. Abstr.) **(Rus)**

[Structural and functional organization of ACTH: synthesis and properties of analogs of ACTH-(11-24)-tetradeca- and ACTH-(1-24)-tetracosapeptides containing hexa-amino acids instead of a natural sequence of ACTH 19-24 amino acids] Syskov IV, et al. **Bioorg Khim** 1984 May;10(5):618–25 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[The effect of new oligopeptide elastase inhibitors in acute experimental pancreatitis in the rat] Frič P, et al. **Cas Lek Cesk** 1985 Jan 11;124(2):41–5 (Eng. Abstr.) **(Cze)**

ANALYSIS

Neuromedin B-32 and B-30: two 'big' neuromedin B identified in porcine brain and spinal cord. Minamino N, et al. **Biochem Biophys Res Commun** 1985 Jul 31; 130(2):685–91

Regional distribution of neuromedin K and neuromedin L in rat brain and spinal cord. Minamino N, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):731–8

Neuromedin B is a major bombesin-like peptide in rat brain: regional distribution of neuromedin B and neuromedin C in rat brain, pituitary and spinal cord. Minamino N, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):925–32

Biochemical and histochemical characterization of ranatensin immunoreactive peptides in rat brain: lack of coexistence with bombesin/GRP. Chronwall BM, et al. **Brain Res** 1985 Jul 8;338(1):97–113

The comparative distribution of xenopsin- and neurotensin-like immunoreactivity in Xenopus laevis and rat tissues. Goedert M, et al. **Brain Res** 1984 Aug 13; 308(2):273–80

Localization of substance P-like, leucine-enkephalin-like, methionine-enkephalin-like, and FMRFamide-like immunoreactivity in the eyestalk of the fiddler crab, Uca pugilator. Fingerman M, et al. **Cell Tissue Res** 1985; 241(3):473–7

Immunocytochemical demonstration of peptidergic neurons in the central and peripheral nervous systems of the flatworm Microstomum lineare with antiserum to FMRF-amide. Reuter M, et al. **Cell Tissue Res** 1984; 238(3):431–6

Mapping of neurons in the central nervous system of the guinea pig by use of antisera specific to the molluscan neuropeptide FMRFamide. Triepel J, et al. **Cell Tissue Res** 1984;237(3):575–86

The autoradiographic distribution of kassinin and substance K binding sites is different from the distribution of substance P binding sites in rat brain. Mantyh PW, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):361–4

Rohdei-litorin: a new peptide from the skin of Phyllomedusa rohdei. Barra D, et al. **FEBS Lett** 1985 Mar 11;182(1):53–6

Conformation of the eosinophil chemotactic tetrapeptides and analogues in dimethyl sulfoxide. 1H n.m.r. studies. Beilharz GR, et al. **Int J Pept Protein Res** 1985 Apr;25(4):337–46

Empedopeptin (BMY-28117), a new depsipeptide antibiotic. II. Structure determination. Sugawara K, et al. **J Antibiot (Tokyo)** 1984 Sep;37(9):958–64

Characterization of FMRF amide-like immunoreactivity in rat spinal cord by region-specific antibodies in radioimmunoassay and HPLC. Dockray GJ. **J Neurochem** 1985 Jul;45(1):152–8

Biochemical and immunocytological localization of molluscan small cardioactive peptides in the nervous system of Aplysia californica. Lloyd PE, et al. **J Neurosci** 1985 Jul;5(7):1851–61

Distribution of neuropeptide Y-like immunoreactivity and its relationship to FMRF-amide-like immunoreactivity in the sixth lumbar and first sacral spinal cord segments of the rat. Sasek CA, et al. **J Neurosci** 1985 Jul;5(7):1729–39

Dermorphin-like immunoreactivity in guinea pig and rat stomach. Tsou K, et al. **Neuropeptides** 1985 Feb; 5(4–6):449–52

Delta sleep-inducing peptide-like material in rat brain as determined by enzyme immunoassay: effect of sleep deprivation. Nagaki S, et al. **Neurosci Lett** 1984 Oct 12; 51(2):253–7

Uridine as an active component of sleep-promoting substance: its effects on nocturnal sleep in rats. Honda K, et al. **Neurosci Res** 1984 Aug;1(4):243–52

Regional distribution of substance P, neurokinin alpha and neurokinin beta in rat central nervous system. Kanazawa I, et al. **Neurosci Res** 1984 Dec;2(1–2):111–20

HPLC shadowing: artifacts in peptide characterization monitored by RIA. Fischman AJ, et al. **Peptides (Fayetteville)** 1984 Sep–Oct;5(5):1007–10

DSIP occurs in free form in mammalian plasma, human CSF and urine. Graf MV, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):761–6

DSIP-like material in brain parts of rats running a complex maze. Kastin AJ, et al. **Physiol Behav** 1984 Sep;33(3):427–32

The small cardioactive peptides A and B of Aplysia are derived from a common precursor molecule. Mahon AC, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3925–9

An improved procedure for the histochemical demonstration of cathepsin D by the mercury-labeled pepstatin method. Yamato S, et al. **Stain Technol** 1984 Mar;59(2):113–20

[Studies of sleep inducing substance] Uchizono K. **Nippon Rinsho** 1984 Apr;42(4):989–1006 (72 ref.) **(Jpn)**

[Effect of indomethacin on collagenolytic enzyme activities in rabbit ovary] Kawamura N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Nov; 36(11):2099–105 (Eng. Abstr.) **(Jpn)**

[Comparative study of the oligopeptide maps of virus-specific proteins of the viruses of the tick-borne encephalitis complex] Zhankov AI, et al. **Vopr Virusol** 1985 Jan–Feb;30(1):86–9 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Is tyramine a specific inhibitor of proctolin? Dunbar SJ, et al. **Comp Biochem Physiol [C]** 1984;79(2):413–6

Antihepatoxic constituents of Garcinia kola seeds. Iwu MM. **Experientia** 1985 May 15;41(5):699–700

Antagonism of the effect of delta sleep-inducing peptide by naloxone in the rat. Young AM, et al. **Neuropharmacology** 1984 Nov;23(11):1347–50

BIOSYNTHESIS

Isolation, amino acid sequence, synthesis, and biological activity of some oligopeptides from porcine spinal cord. Hsi KL, et al. **Arch Biochem Biophys** 1985 Jul;240(1):178–83

BLOOD

Measurement of blood coagulation Factor XIIIa formation in plasma containing glycyl-L-prolyl-L-arginyl-L-proline. Miraglia CC, et al. **Anal Biochem** 1985 Jan;144(1):165–71

The assimilation of tri- and tetrapeptides by human erythrocytes. Vandenberg JI, et al. **Biochim Biophys Acta** 1985 Jul 30;846(1):127–34

Circadian variation of DSIP-like material in rat plasma. Fischman AJ, et al. **Life Sci** 1984 Nov 12;35(20):2079–84

Evidence for peptide aggregation. Kastin AJ, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):969–73

CEREBROSPINAL FLUID

Delta-sleep inducing peptide in cerebrospinal fluid from schizophrenics, depressives and healthy volunteers. Lindström LH, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985;

9(1):83–90

CHEMICAL SYNTHESIS

Synthetic study on the structure–activity relationship of sperm activating peptides from the jelly coat of sea urchin eggs. Nomura K, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):974–82

Design of a new DNA–polyintercalating drug, a bisacridinyl peptidic analogue of Triostin A. Helbecque N, et al. **Biochem J** 1985 Feb 1;225(3):829–32

Synthesis and adjuvant activity of FK–156 analogues: acyl derivatives of N–[N2–(L–alanyl–gamma–D–glutamyl)–2(L),2'(D)–diamin]glycine. Okada S, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):889–92

Dehydrooligopeptides. V. Synthesis of N–carboxy alpha–dehydroamino acid anhydrides and their transformation to alpha–dehydroamino acid and dehydrooligopeptide derivatives. Shin C, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):3934–44

Opioid peptides. VIII. Synthesis and preliminary biological activity of [D–Phe3]– or [alpha,beta–dehydro–Phe3]dermorphin tetrapeptides. Salvadori S, et al. **Farmaco [Sci]** 1985 Jun;40(6):454–8

Synthesis and opioid activity of [Sar4]dermorphin–tetrapeptide analogues. Salvadori S, et al. **Hoppe Seylers Z Physiol Chem** 1984 Oct; 365(10):1199–206

Synthesis of tritiated tuftsin and macrophage inhibitory tripeptide via acetylenic intermediates. Auger G, et al. **Int J Pept Protein Res** 1984 Jul;24(1):60–5

Solid phase synthesis of retro–inverso peptide analogues. Synthesis and biological activity of the partially modified retro–inverso analogue of the bradykinin potentiating peptide BPP9a [gLys6, (RS)–mPhe7, Ala8] BPP9a. Bonelli F, et al. **Int J Pep: Protein Res** 1984 Dec;24(6):553–6

Synthesis of the Mg antigenic determinant and peptide analogs related to human glycophorin A. Ferrari B, et al. **Int J Pept Protein Res** 1984 Nov;24(5):488–97

Synthesis of protected peptides with the sequence 8–13–1–3 and 4–13–1–3 of mycobacillin and their analogs. Mladenova–Orlinova LV, et al. **Int J Pept Protein Res** 1985 Jun;25(6):580–4

Tertiary peptide bond containing–oligo(Leu)s. Conformational studies in solution of oligo (L–leucine)s with L–proline residue and glycyl–N–(2, 4–dimethoxybenzyl)–L–leucine sequence. Narita M, et al. **Int J Pept Protein Res** 1984 Jul;24(1):14–24

Syntheses of tetra– and pentapeptides from skin extracts of Phyllomedusa rhodei (tryptophyllins). Perseo G, et al. **Int J Pept Protein Res** 1984 Aug;24(2):155–60

Synthesis and opioid activity of partial retro–inverso analogs of dermorphin. Salvadori S, et al. **Int J Pept Protein Res** 1985 May;25(5):526–33

Inhibition of the serine proteases leukocyte elastase, pancreatic elastase, cathepsin G, and chymotrypsin by peptide boronic acids. Kettner CA, et al. **J Biol Chem** 1984 Dec 25;259(24):15106–14

Synthesis and pharmacological activity of partially modified retro–inverso dermorphin tetrapeptides. Salvadori S, et al. **J Med Chem** 1985 Jun;28(6):769–74

[Synthesis and effect of affinity–labeled analogs and partial sequences of the bradykinin potentiating nonapeptide BPP9 alpha (teprotide)] Reissmann S, et al. **Pharmazie** 1985 May; 40(5):314–7 (Eng. Abstr.) **(Ger)**

[Synthesis and biological activity of analogs of a nonapeptide inhibitor of peptidyldipeptidase] Filatova MP, et al. **Bioorg Khim** 1985 Jan;11(1):21–30 (Eng. Abstr.) **(Rus)**

[Synthesis of octapeptides containing fragments of lac–repressor primary structure] Shibnev VA, et al. **Bioorg Khim** 1983 Nov;9(11):1497–504 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Neuromedin K, a tool to further distinguish two central tachykinin binding sites. Torrens Y, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):381–2

A coupled amidolytic assay for thromboplastin (tissue factor) using a fluogenic substrate: its application to monkey leukocyte tissue factor. Nakamura S. **J Biochem (Tokyo)** 1985 Feb;97(2):705–7

Anioniz[illegible]d cationized hemeundecapeptides as probes for cell [illegible]e charge and permeability studies: differentiated label[illegible] of endothelial plasmalemmal vesicles. Ghinea N, et al. **J Cell Biol** 1985 Feb;100(2):606–12

Prolactin and growth hormone responses to dermorphin in patients with prolactin–secreting pituitary adenoma. degli Uberti EC, et al. **Metabolism** 1985 Sep;34(9):874–9

[Evaluation of a new chromogenic method for measuring prothrombin time in the control of oral anticoagulant therapy] Colla G, et al. **Boll Soc Ital Biol Sper** 1984 Nov 30;60(11):2025–31 (Eng. Abstr.) **(Ita)**

GENETICS

Aplysia neurons express a gene encoding multiple FMRFamide neuropeptides. Schaefer M, et al. **Cell** 1985 Jun;41(2):457–67

The acquisition and expression of a peptidergic phenotype in the grasshopper embryo. Keshishian H, et al. **J Neurosci** 1985 Apr;5(4):1005–15

Human placental syncytiotrophoblastic Mr 75,000 polypeptide defined by antibodies to a synthetic peptide based on a cloned human endogenous retroviral DNA sequence. Suni J, et al. **Proc Natl Acad Sci USA** 1984 Oct; 81(19):6197–201

IMMUNOLOGY

Activation of human basophils by bacterial products. Marone G, et al. **Int Arch Allergy Appl Immunol** 1985;77(1–2):213–5

Synthetic peptides as antigens: pitfalls of conjugation methods. Briand JP, et al. **J Immunol Methods** 1985 Apr 8;78(1):59–69

General method for the rapid solid–phase synthesis of large numbers of peptides: specificity of antigen–antibody interaction at the level of individual amino acids. Houghten RA. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5131–5

Induction of experimental allergic encephalomyelitis in Lewis rats with purified synthetic peptides: delineation of antigenic determinants for encephalitogenicity, in vitro activation of cellular transfer, and proliferation of lymphocytes. Mannie MD, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5515–9

[Modulation of the proliferative response of lymphocytes with a new enkephalin analog––dalargin] Vinogradov VA, et al. **Ter Arkh** 1984;56(11):114–6 **(Rus)**

ISOLATION & PURIFICATION

The head activator: discovery, characterisation, immunoassays and biological properties in mammals. Bodenmüller H, et al. **Biochim Biophys Acta** 1985 Jul 24; 825(3):261–7 (19 ref.)

Isolation of crustacean erythrophore concentrating hormone from nerve tissue of Homarus americanus. Jaffe H, et al. **Comp Biochem Physiol [C]** 1984;78(2):397–401

Immunostimulating hexapeptide from human casein: amino acid sequence, synthesis and biological properties. Parker F, et al. **Eur J Biochem** 1984 Dec 17;145(3):677–82

Novel opioid peptides derived from mitochondrial cytochrome b: cytochrophins. Brantl V, et al. **Eur J Pharmacol** 1985 May 8;111(2):293–4

Isolation and structure of the bacterial sex pheromone, cAD1, that induces plasmid transfer in Streptococcus faecalis. Mori M, et al. **FEBS Lett** 1984 Dec 3;178(1):97–100

Rapid purification of radioiodinated peptides with Sep–Pak reversed phase cartridges and HPLC. Miller JJ, et al. **Int J Pept Protein Res** 1984 Aug;24(2):112–22

Empedopeptin (BMY–28117), a new depsipeptide antibiotic. I. Production, isolation and properties. Konishi M, et al. **J Antibiot (Tokyo)** 1984 Sep;37(9):949–57

Generation of xenopsin–related peptides during acid extraction of gastric tissues. Carraway RE, et al. **J Biol Chem** 1985 Sep 15;260(20):10921–5

Isolation and structure of bacterial sex pheromone, cPD1. Suzuki A, et al. **Science** 1984 Nov 16;226(4676):849–50

METABOLISM

Isopenicillin N synthetase of Penicillium chrysogenum, an enzyme that converts delta–(L–alpha–aminoadipyl)–L–cysteinyl–D–valine to isopenicillin N. Ramos FR, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):380–7

Metabolism of [3H]leupeptin by rat liver. Dennis PA, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):768–76

Partial purification and characterization of an ovarian tripeptidyl peptidase: a lysosomal exopeptidase that sequentially releases collagen–related (Gly–Pro–X) triplets. McDonald JK, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):63–71

Protein kinase C phosphorylates the synthetic peptide Arg–Arg–Lys–Ala–Ser–Gly–Pro–Pro–Val in the presence of phospholipid plus either Ca2+ or a phorbol ester tumor promoter. O'Brian CA, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):296–302

Synthetic analogs of the active site of cytochrome P–450cam characterization of thiolpeptide fragment–hemin complexes by optical and ESR spectrometries. Sakurai H, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1254–60

On the degradation of dermorphin and D–Arg2–dermorphin analogs by a soluble rat brain extract. Sasaki Y, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):964–70

Hydrolysis of opioid hexapeptides by carboxypeptidase N. Presence of carboxypeptidase in cell membranes. Skidgel RA, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3471–8

An interactive computer graphics study of thermolysin–catalyzed peptide cleavage and inhibition by N–carboxymethyl dipeptides. Hangauer DG, et al. **Biochemistry** 1984 Nov 20;23(24):5730–41

Role of peptide structure in lipid–peptide interactions: a fluorescence study of the binding of pentagastrin–related pentapeptides to phospholipid vesicles. Surewicz WK, et al. **Biochemistry** 1984 Dec 4;23(25):6072–7

Enthalpies of ligand binding to bovine neurophysins. Whittaker BA, et al. **Biochemistry** 1985 May 21; 24(11):2782–90

Specific recognition by the tripeptide lysyl–tryptophyl–alpha–lysine of structural damage induced in DNA by platinum derivatives. Le Doan T, et al. **Biochim Biophys Acta** 1985 Aug 21;825(4):353–9

Hydrolysis of the synthetic chromophoric hexapeptide Leu–Ser–Phe(NO2)–Nle–Ala–Leu–OMe catalyzed by bovine pepsin A. Dependence on pH and effect of enzyme phosphorylation level. Martin P. **Biochim Biophys Acta** 1984 Nov 23;791(1):28–36

Driving forces in hepatocellular uptake of phalloidin and cholate. Petzinger E, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):539–48

Glycylglycyl–L–cysteine as a substrate for renal sulfhydryl oxidase (glutathione oxidase). Schmelzer CH, et al. **Biochim Biophys Acta** 1985 Feb 4;827(2):140–3

The distribution of neurons containing delta sleep–inducing peptide in the hippocampal formation. Feldman SC, et al. **Brain Res Bull** 1984 Dec;13(6):833–7

Distribution of FMRF–NH2–like immunoreactivity in rat and cat area postrema. Newton BW, et al. **Brain Res Bull** 1984 Sep;13(3):391–9

FMRF–amide–like immunoreactivity in brain and pituitary of the hagfish Eptatretus burgeri (Cyclostomata). Jirikowski G, et al. **Cell Tissue Res** 1984;237(2):363–6

Labelling of penicillin–binding proteins with a photoreactive peptidoglycan–peptide analogue. Arán V, et al. **Eur J Biochem** 1984 Nov 2;144(3):613–6

Oligo(methionyl) proteins. Enzymatic hydrolysis of the model isopeptides N epsilon–oligo(L–methionyl)–L–lysine. Gaertner H, et al. **Eur J Biochem** 1984 Dec 3;145(2):257–63

Autoradiographic distribution of substance K binding sites in rat gastrointestinal tract: a comparison with substance P. Burcher E, et al. **Eur J Pharmacol** 1984 Jul 20; 102(3–4):561–2

Increased affinity and selectivity of enkephalin tripeptide (Tyr–D–Ala–Gly) dimers. Lutz RA, et al. **Eur J Pharmacol** 1985 May 8;111(2):257–61

The autoradiographic distribution of kassinin and substance K binding sites is different from the distribution of substance P binding sites in rat brain. Mantyh PW, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):361–4

Cellular localization of binding sites for 3H–DSIP on neurones of cultured rat brain stem. Hösli E, et al. **Eur Neurol** 1984;23(5):317–20

Lens neutral proteinase preparations hydrolyze glutamoyl bonds [letter] Wagner BJ, et al. **Exp Eye Res** 1985 Jun; 40(6):879–82

Comparative binding properties of linear and cyclic delta–selective enkephalin analogues: [3H]–[D–Thr2, Leu5] enkephalyl–Thr6 and [3H]–[D–Pen2, D–Pen5] enkephalin. Delay–Goyet P, et al. **FEBS Lett** 1985 Apr 22; 183(2):439–43

Phosphorylation of ribosomal protein S6 and a peptide analogue of S6 by a protease–activated kinase isolated from rat liver. Gabrielli B, et al. **FEBS Lett** 1984 Oct 1; 175(2):219–26

Torus–shaped particles formed due to intermolecular condensation of circular DNA upon interaction with synthetic tripeptide. Vengerov YY, et al. **FEBS Lett** 1985 Jan 21;180(1):81–4

Cytochemistry of bacterial proteases using 4–methoxy–2–naphthylamide peptides. Gossrau R, et al. **Histochem J** 1985 May;17(5):532–4

Sarcomere structures in the rabbit psoas muscle as revealed by fluorescent analogs of phalloidin. Bukatina AE, et al. **Histochemistry** 1984;81(3):301–4

Preferential binding to delta–receptors of the enkephalin–like tetrapeptide Tyr–Ile–Phe–Val. Electrophysiological and conformation studies. Carette B, et al. **Hoppe Seylers Z Physiol Chem** 1984 Oct;365(10):1227–34

Vitamin–K–dependent carboxylation. Synthesis and biological properties of diastereoisomeric gamma–substituted glutamic acid containing peptidic substrates. Bory S, et al. **Int J Pept Protein Res** 1984 Nov; 24(5):505–15

Enzymatic conversion of the unnatural tripeptide delta–(D–alpha–aminoadipyl)–L–cysteinyl–D–valine to beta–lactam antibiotics. Shen YQ, et al. **J Antibiot (Tokyo)** 1984 Sep;37(9):1044–8

Genetic analysis of Escherichia coli oligopeptide transport mutants. Andrews JC, et al. **J Bacteriol** 1985 Feb; 161(2):484–92

Release of cell wall peptides into culture medium by exponentially growing Escherichia coli. Goodell EW, et al. **J Bacteriol** 1985 Apr;162(1):391–7

Recycling of murein by Escherichia coli. Goodell EW. **J Bacteriol** 1985 Jul;163(1):305–10

Spectrophotometric determination of affinities of peptides for their transport systems in Escherichia coli. Perry D, et al. **J Bacteriol** 1984 Dec;160(3):943–8

Processing of the formyl peptide receptor by HL–60 cells. Anderson R, et al. **J Biol Chem** 1984 Nov 10; 259(21):13309–15

Nonenzymatic peptide alpha–amidation. Implications for a novel enzyme mechanism. Bateman RC Jr, et al. **J Biol Chem** 1985 Aug 5;260(16):9088–91

Identification and partial characterization of the receptor for speract. Dangott LJ, et al. **J Biol Chem** 1984 Nov 25; 259(22):13712–6

The stereochemistry of hydrogen abstraction in vitamin K–dependent carboxylation. Decottignies–Le Maréchal P, et al. **J Biol Chem** 1984 Dec 25;259(24):15010–2

Purification and characterization of a periplasmic oligopeptide binding protein from Escherichia coli. Guyer CA, et al. **J Biol Chem** 1985 Sep 5;260(19):10812–8

Preliminary X–ray crystallographic data on mouse submaxillary gland renin and renin–inhibitor complexes. Navia MA, et al. **J Biol Chem** 1984 Oct 25;259(20):12714–7

Chemotactic factor binding by metastatic tumour cells: evidence for a formyl–peptide receptor on a non-myelogenous cell. Marasco WA, et al. **J Cell Sci** 1985 Feb;73:121-34

Evidence for the presence of xenopsin-related peptide(s) in the gastric mucosa of mammals. Feurle GE, et al. **J Clin Invest** 1985 Jul;76(1):156-62

FMRFamide immunoreactivity in the nervous system of the medusa Polyorchis penicillatus. Grimmelikhuijzen CJ, et al. **J Comp Neurol** 1984 Dec 10;230(3):361-71

Evidence for proctolin-like substances in the central nervous system of the leech Hirudo medicinalis. Li C, et al. **J Comp Neurol** 1985 Feb 15;232(3):414-24

The distribution of bovine pancreatic polypeptide/FMRFamide-like immunoreactivity in the ventral nervous system of the locust. Myers CM, et al. **J Comp Neurol** 1985 Apr 1;234(1):1-16

Fibronectin receptor of human macrophages recognizes the sequence Arg-Gly-Asp-Ser. Wright SD, et al. **J Exp Med** 1985 Aug 1;162(2):762-7

Differential binding of chemoattractant peptide to subpopulations of human neutrophils. Seligmann B, et al. **J Immunol** 1984 Nov;133(5):2641-6

Effects of sodium on chemotactic peptide binding to polymorphonuclear leukocytes. Zigmond SH, et al. **J Immunol** 1985 Jul;135(1):531-6

Morphology of two pairs of identified peptidergic neurons in the buccal ganglia of the mollusc Tritonia diomedea. Masinovsky B, et al. **J Neurobiol** 1985 Jan;16(1):27-39

The distribution of a peptide neurotransmitter in the postembryonic grasshopper central nervous system. Keshishian H, et al. **J Neurosci** 1985 Apr;5(4):992-1004

FMRF-amide-like substances in the leech. II. Bioactivity on the heartbeat system. Kuhlman JR, et al. **J Neurosci** 1985 Sep;5(9):2310-7

FMRF-amide-like substances in the leech. I. Immunocytochemical localization. Kuhlman JR, et al. **J Neurosci** 1985 Sep;5(9):2301-9

Apparent kinetics of angiotensin converting enzyme: hydrolysis of [3H]benzoyl-phenylalanyl-alanyl-proline in the isolated perfused lung. Ashton JH, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):602-7

Demonstration of a pontine-hippocampal projection containing a ranatensin-like peptide. Chronwall BM, et al. **Neurosci Lett** 1985 Jan 7;53(1):109-14

Binding characteristics of dermorphin, and [dermorphin1-7]-beta c-endorphin in rat brain membranes. Westphal M, et al. **Peptides (Fayetteville)** 1985 Jan-Feb; 6(1):149-52

Distribution and metabolism of dermorphin in rats. Negri L, et al. **Pharmacol Res Commun** 1984 Dec;16(12):1183-91

Effects of fibrinogen-binding tetrapeptides on mechanical properties of fine fibrin clots. Bale MD, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1410-3

Highly selective photoaffinity labeling of mu and delta opioid receptors. Garbay-Jaureguiberry C, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7718-22

A synthetic peptide substrate specific for casein kinase II. Kuenzel EA, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):737-41

The aluminum-induced increase in blood-brain barrier permeability to delta-sleep-inducing peptide occurs throughout the brain and is independent of phosphorus and acetylcholinesterase levels. Banks WA, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):84-9

Antisera raised against eledoisin and kassinin detect elevated levels of immunoreactive material in plasma and tumor tissues from patients with carcinoid tumors. Norheim I, et al. **Regul Pept** 1984 Nov;9(4):245-57

Antisera raised against eledoisin and kassinin detect immunoreactive material in rat tissue extracts: tissue distribution and chromatographic characterization. Theodorsson-Norheim E, et al. **Regul Pept** 1984 Nov; 9(4):229-44

[Comparison of enteral resorption rates of free amino acids and oligopeptides] Steinhardt HJ. **Leber Magen Darm** 1984 Mar;14(2):51-6 (Eng. Abstr.) **(Ger)**

[Human erythrocyte prolyl endopeptidase II hydrolysing teprotid, an inhibitor of peptidyl peptidase from snake venom] Alekseenko LP, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):308-11 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of proteinase inhibitors on rabbit uterine ultrastructure. Lescoat D. **Acta Anat (Basel)** 1985;121(1):17-20

Effect of somatostatin on growth hormone and prolactin response to dermorphin in man. degli Uberti EC, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):20-5

Clinical pharmacology and therapeutic applications of the new oral converting enzyme inhibitor, enalapril. Riley LJ Jr, et al. **Am Heart J** 1985 May;109(5 Pt 1):1085-9 (48 ref.)

Effects of the protease inhibitor leupeptin on proteolytic activities and regeneration of mouse skeletal muscles after exercise injuries. Salminen A. **Am J Pathol** 1984 Oct; 117(1):64-70

Thermal responses to central angiotensin II, SQ 20881, and dopamine infusions in sheep. Huang BS, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):R371-7

Beneficial effect on intestinal anastomoses of S-2441, a synthetic kallikrein-kinin antagonist. Experimental studies in the rat. Högström H, et al. **Am J Surg** 1985 Sep; 150(3):312-4

The proteinase inhibitors leupeptin, pepstatin A, and TLCK cause reduced collagen production in freshly isolated embryonic chick fibroblasts in suspension culture. Neblock DS, et al. **Arch Biochem Biophys** 1984 Sep;233(2):338-44

Inhibition of phospholipases by Met-Leu-Phe-Ile-Leu-Ile-Lys-Arg-Ser-Arg-His-Phe, C terminus of middle-sized tumor antigen. Notsu Y, et al. **Arch Biochem Biophys** 1985 Jan;236(1):195-204

Synthesis and characterization of the oxygen and desthio analogues of glutathione as dead-end inhibitors of glutathione S-transferase. Chen WJ, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):233-40

Design of peptide derived amino alcohols as transition-state analog inhibitors of angiotensin converting enzyme. Gordon EM, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):419-26

Mammalian tachykinin-induced hydrolysis of inositol phospholipids in rat brain slices. Hunter JC, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):616-22

Identification of oxygen nucleophiles in tetrahedral intermediates: 2H and 18O induced isotope shifts in 13C NMR spectra of pepsin-bound peptide ketone pseudosubstrates. Schmidt PG, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):597-602

Phalloidin and tropomyosin do not prevent actin filament shortening by the 90 kD protein-actin complex from brain. Verkhovsky AB, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):596-603

Antibody and inhibitor of chymase inhibit histamine release in immunoglobulin E-activated mast cells. Kido H, et al. **Biochem Int** 1985 Jun;10(6):863-71

Inhibition of aspartic proteases by pepstatin and 3-methylstatine derivatives of pepstatin. Evidence for collected-substrate enzyme inhibition. Rich DH, et al. **Biochemistry** 1985 Jun 18;24(13):3165-73

Leupeptin as a tool for the detection of the sites of catabolism of rat high-density lipoprotein apolipoproteins A-I and E. van 't Hooft FM, et al. **Biochim Biophys Acta** 1985 Mar 27;834(1):75-84

Cyclosporin A protects liver cells against phalloidin. Potent inhibition of the inward transport of cholate and phallotoxins. Ziegler K, et al. **Biochim Biophys Acta** 1984 Oct 12;805(2):174-80

Anionic inhibitors of pancreatic and leukocyte elastase. Alkylamides of 3-carboxypropionyl- and 4-carboxybutyrylalanine peptides. Kasafirek E, et al. **Biol Chem Hoppe Seyler** 1985 Apr;366(4):333-43

Olfactory discrimination learning is blocked by leupeptin, a thiol protease inhibitor. Stäubli U, et al. **Brain Res** 1985 Jul 1;337(2):333-6

Renal responses to atrial natriuretic factor during converting enzyme inhibition. Wang SL, et al. **Can J Physiol Pharmacol** 1985 Mar;63(3):220-3

Effects of agents known to antagonize the enhancement of in vitro transformation by 12-tetradecanoyl-phorbol-13-acetate (TPA) on the TPA suppression of metabolic cooperation. Radner BS, et al. **Cancer Lett** 1984 Dec;25(2):139-44

Protease inhibitor antipain reduces nuclear binding of estrogen-receptor complex in MCF-7 breast tumor cells. Umans RS, et al. **Carcinogenesis** 1984 Oct;5(10):1355-7

Intramucosal activation of pepsinogens in the pathogenesis of acute gastric erosions and their prevention by the potent semisynthetic amphipathic inhibitor pepstatinyl-glycyl-lysyl-lysine. Ford TF, et al. **Clin Chim Acta** 1985 Jan 15;145(1):37-47

Cardiovascular effects of a renin inhibitor in relation to posture in nonhuman primates. Pals DT, et al. **Clin Exp Hypertens [A]** 1985;7(1):105-21

Depressor activity of intracerebroventricularly administered pepstatin in young spontaneously hypertensive rats. Tonnaer JA, et al. **Clin Exp Hypertens [A]** 1984; 6(8):1529-42

Influence of blood gases, Ca2+-entry blockade and angiotensin converting enzyme inhibition on pressor responses to alpha-adrenoceptor agonists: evidence in vivo for subtypes of response independent of receptor subtype? O'Brien JW, et al. **Clin Sci** 1985;68 Suppl 10:99s-104s

Actions of the molluscan neuropeptide FMRF-amide on neurones in the suboesophageal ganglia of the snail Helix aspersa. Boyd PJ, et al. **Comp Biochem Physiol [C]** 1985; 81(2):379-86

Responses of mouse spinal neurones in culture to locally applied Phe-Met-Arg-Phe-NH2. McCarthy PW, et al. **Comp Biochem Physiol [C]** 1984;79(2):383-7

Stimulation by proctolin of the ouabain-insensitive sodium efflux in single barnacle muscle fibers. Nwoga J, et al. **Comp Biochem Physiol [C]** 1985;81(2):345-50

Acid proteolytic activities in mouse liver and muscle tissues after treatment with protease inhibitor leupeptin. Salminen A, et al. **Comp Biochem Physiol [C]** 1984;79(1):93-5

Cardiovascular effects of intraventricular injection of FMRFamide, Met-enkephalin and their common analogues in the rat. Wong TM, et al. **Comp Biochem Physiol [C]** 1985;81(1):175-9

Light-scattering changes during chemotactic stimulation of human neutrophils: kinetics followed by flow cytometry. McNeil PL, et al. **Cytometry** 1985 Jan;6(1):7-12

Modulation of murine hemopoiesis in vivo by a synthetic hemoregulatory pentapeptide (HP 5b). Laerum OD, et al. **Differentiation** 1984;27(2):106-12

Dermorphin inhibits basal and cold induced thyrotropin secretion in rats. Mitsuma T, et al. **Endocrinol Exp (Bratisl)** 1985 Jun;19(2):83-90

The effects of growth hormone (GH)-releasing peptides on GH secretion in perifused pituitary cells of adult male rats. Badger TM, et al. **Endocrinology** 1984 Oct;115(4):1432-8

Dose-response characteristics of various peptides with growth hormone-releasing activity in the unanesthetized male rat. McCormick GF, et al. **Endocrinology** 1985 Jul; 117(1):97-105

Tripeptide aldehyde protease inhibitors may depress in vitro prolactin and growth hormone release. Nagy I, et al. **Endocrinology** 1985 Apr;116(4):1426-32

Variables determining the growth hormone response of His-D-Trp-Ala-Trp-D-Phe-Lys-NH2 in the rat. Sartor O, et al. **Endocrinology** 1985 Oct;117(4):1441-7

Parallel studies of His-DTrp-Ala-Trp-DPhe-Lys-NH2 and human pancreatic growth hormone-releasing factor-44-NH2 in rat primary pituitary cell monolayer culture. Sartor O, et al. **Endocrinology** 1985 Mar; 116(3):952-7

Tolerance and physical dependence induced by dermorphin in rats. Broccardo M, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):55-61

Effects of phalloidin on electrical and mechanical activity of frog muscle fibres. Cognard C, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):89-94

A pharmacological study with substance K: evidence for multiple types of tachykinin receptors. Hunter JC, et al. **Eur J Pharmacol** 1984 Oct 1;105(1-2):149-53

Tachykinin-like central activity of neuromedin K in mice. Vaught JL, et al. **Eur J Pharmacol** 1984 Aug 17; 103(3-4):355-7

Some pharmacological effects of delta-sleep-inducing peptide (DSIP). Scherschlicht R, et al. **Eur Neurol** 1984; 23(5):346-52

Characterization, properties and multivariate functions of delta-sleep-inducing peptide (DSIP). Schoenenberger GA. **Eur Neurol** 1984;23(5):321-45

Effects of H-Phe-Ile-Tyr-His-Ser-Tyr-Lys-OH on different behavioral tests of rats. Vécsei L, et al. **Exp Brain Res** 1985;57(3):625-7

Participation of lysosomes in basal proteolysis in perfused rat liver. Discrepancy between leupeptin-induced lysosomal enlargement and inhibition of proteolysis. Henell F, et al. **Exp Cell Res** 1985 May;158(1):257-62

Vitamin K-dependent carboxylation: inhibition by a peptide containing 4-methylene glutamic acid. Guibé E, et al. **FEBS Lett** 1984 Nov 19;177(2):265-8

Oxyntomodulin (glucagon-37) and its C-terminal octapeptide inhibit gastric acid secretion. Jarrousse C, et al. **FEBS Lett** 1985 Aug 19;188(1):81-4

Insulin processing and action in adipocytes: evidence for generation of insulin-containing vesicles by leupeptin and monensin. Jeffrey IW, et al. **FEBS Lett** 1985 Mar 25; 182(2):451-4

The effect of phalloidin on insulin secretion from islets of Langerhans isolated from rat pancreas. Stutchfield J, et al. **FEBS Lett** 1984 Oct 1;175(2):393-6

Central control of intestinal motility by prostaglandins: a mediator of the actions of several peptides in rats and dogs. Bueno L, et al. **Gastroenterology** 1985 Jun;88(6):1888-94

Stimulation of crop sac and pituitary lactotrophs after intraventricular administration of dermorphin in pigeons. Rotiroti D, et al. **Gen Comp Endocrinol** 1984 Oct; 56(1):24-31

The effect of glutaraldehyde and phalloidin on the conformation of F-actin. Borovikov YuS. **Gen Physiol Biophys** 1984 Dec;3(6):513-6

The detection of denervation-induced structural changes in actin by phalloidin. Borovikov YuS, et al. **Gen Physiol Biophys** 1984 Jun;3(3):277-80

Contraction of guinea pig lung by synthetic oligopeptides related to human C3a. Huey R, et al. **Immunopharmacology** 1984 Aug;8(1):37-45

Regulatory role of a tripeptide (TKP) from the second constant domain of immunoglobulin g--I. Inhibition of rat and human macrophage activities. Auriault C, et al. **Int J Immunopharmacol** 1985;7(1):73-9

Regulatory role of a peptide from the second constant domain of immunoglobulin G--II. In vitro effect on granuloma formation around S. mansoni eggs. Himmi EH, et al. **Int J Immunopharmacol** 1985;7(2):231-7

Inhibition of fibrinogen receptor expression and serotonin release by leupeptin and antipain. Baldassare JJ, et al. **J Biol Chem** 1985 Sep 5;260(19):10531-5

Inhibition of human renin by synthetic peptides derived from its prosegment. Cumin F, et al. **J Biol Chem** 1985 Aug 5;260(16):9154-7

Morphological transformation of Chinese hamster cells by acylpeptides, inhibitors of cAMP phosphodiesterase, produced by Bacillus subtilis. Hosono K, et al. **J Biol Chem** 1985 Sep 15;260(20):11252-5

Synthetic peptides including acidic clusters as substrates and inhibitors of rat liver casein kinase TS (type-2). Meggio F, et al. **J Biol Chem** 1984 Dec 10;259(23):14576-9

Receptor-mediated regulation of guanylate cyclase activity in spermatozoa. Ramarao CS, et al. **J Biol Chem** 1985 Jul 15;260(14):8390-6

Inhibition of intracellular degradation of proteoglycans by leupeptin in rat ovarian granulosa cells. Yanagishita M. **J Biol Chem** 1985 Sep 15;260(20):11075-82

In vitro and in vivo inhibition of human and primate renin by a new potent renin inhibitor: SR 42128. De Claviere

M, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 4:S58–61

Comparative hemodynamic effects of MK–422, a converting enzyme inhibitor, and a renin inhibitor in dogs with acute left ventricular failure. Sweet CS, et al. **J Cardiovasc Pharmacol** 1984 Nov–Dec;6(6):1067–75

Biologically active synthetic peptides as probes of embryonic development: a competitive peptide inhibitor of fibronectin function inhibits gastrulation in amphibian embryos and neural crest cell migration in avian embryos. Boucaut JC, et al. **J Cell Biol** 1984 Nov;99(5):1822–30

Calcium regulation of phosphatidyl inositol turnover in macrophage activation by formyl peptides. Holian A, et al. **J Cell Physiol** 1985 Apr;123(1):39–45

Effects of inhibitors of protein degradation on the rate of protein synthesis in Chinese hamster ovary cells. Scornik OA. **J Cell Physiol** 1984 Oct;121(1):257–62

Effect of intravenous administration of growth hormone–releasing factor (hpGRF–44) and Tyr–D–Trp–Ala–Trp–D–Phe–NH2 on plasma hormones and metabolites in goats. Hart IC, et al. **J Endocrinol** 1984 Nov;103(2):173–8

Cross–phyletic bioactivity of arthropod neurohormones and molluscan ganglion extracts: evidence of an extended peptide family. Greenberg MJ, et al. **J Exp Zool** 1985 Mar;233(3):337–46

Inhibition of the growth of human coronavirus 229E by leupeptin. Appleyard G, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):363–6

Effect of SQ20881 and captopril on pulmonary angiotensin II formation and blood pressure. Houck PC, et al. **J Hypertens** 1983 Jun;1(1):73–6

Effects of the renin inhibitor H77 on the pressor responses to injected pig, rat and dog renins in vivo. Oldham AA, et al. **J Hypertens** 1983 Aug;1(2):191–5

Non–specific inhibition of pressor agents in vivo by the renin inhibitor pepstatin A. Oldham AA, et al. **J Hypertens** 1984 Apr;2(2):157–61

The effect of TP–5 and its analogs on skin grafts in mice. Szende B, et al. **J Immunopharmacol** 1985;7(1):67–78

Structure–activity relationships of C–terminal tri– and tetrapeptide fragments that inhibit gastrin activity. Martinez J, et al. **J Med Chem** 1985 Mar;28(3):273–8

Pepstatin–derived inhibitors of aspartic proteinases. A close look at an apparent transition–state analogue inhibitor. Rich DH. **J Med Chem** 1985 Mar;28(3):263–73

Delta–sleep–inducing peptide and two of its analogs reduce nocturnal increase of N–acetyltransferase activity in rat pineal gland. Graf MV, et al. **J Neurochem** 1985 Feb;44(2):629–32

The neuropeptide FMRF–amide decreases both the Ca2+ conductance and a cyclic 3',5'–adenosine monophosphate–dependent K+ conductance in identified molluscan neurons. Colombaioni L, et al. **J Neurosci** 1985 Sep;5(9):2533–8

Similar effects of various low–molecular–weight enzyme inhibitors on enzyme networks in dystrophic mice. Aoyagi T, et al. **J Pharmacobiodyn** 1984 Sep;7(9):681–7

Multiple actions of a molluscan cardioexcitatory neuropeptide and related peptides on identified Helix neurones. Cottrell GA, et al. **J Physiol (Lond)** 1984 Nov;356:315–33

Electro–acupuncture analgesia and analgesic action of Naga. Pan XP, et al. **J Tradit Chin Med** 1984 Dec;4(4):273–8

Prolactin releasing and luteinizing hormone inhibiting activity of dermorphin shorter homologues in the rat. Cocchi D, et al. **Life Sci** 1985 May 6;36(18):1707–13

Effect of synthetic neuromedin C, a decapeptide of gastrin–releasing peptide (GRP [18–27]), on blood flow and exocrine secretion of the pancreas in dogs. Hosotani R, et al. **Life Sci** 1985 Jun 24;36(25):2429–34

Proctolin: a potent inhibitor of aminoenkephalinase. Hui KS, et al. **Life Sci** 1985 Jun 17;36(24):2309–15

Dermorphin stimulates prolactin secretion in the rat. Giudici D, et al. **Neuroendocrinology** 1984 Sep;39(3):236–44

Inhibitory influences of FMRFamide on morphine– and deprivation–induced feeding. Kavaliers M, et al. **Neuroendocrinology** 1985 Jun;40(6):533–5

Dermorphin interaction with peripheral opioid receptors. Giagnoni G, et al. **Neuropeptides** 1984 Dec;5(1–3):157–60

The analgesic activity of D–Arg2–dermorphin and its N–terminal tetrapeptide analogs after subcutaneous administration in mice. Sasaki Y, et al. **Neuropeptides** 1985 Feb;5(4–6):391–4

The role of central dopaminergic systems in the behavioral effects of H–Phe–Ile–Tyr–His–Ser–Tyr–Lys–OH. Vécsei L, et al. **Neuropeptides** 1985 Jun;6(3):183–90

Dermorphin, a new peptide from amphibian skin, inhibits the nociceptive thalamic neurons firing rate evoked by noxious stimuli. Braga PC, et al. **Neurosci Lett** 1984 Nov 23;52(1–2):165–9

Membrane responses and changes in cAMP levels in Aplysia sensory neurons produced by serotonin, tryptamine, FMRFamide and small cardioactive peptideB (SCPB). Ocorr KA, et al. **Neurosci Lett** 1985 Apr 9;55(2):113–8

Pharmacological characterization of novel mammalian tachykinins, neurokinin alpha and neurokinin beta. Kimura S, et al. **Neurosci Res** 1984 Dec;2(1–2):97–104

The excitatory action of the newly–discovered mammalian tachykinins, neurokinin alpha and neurokinin beta, on neurons of the isolated spinal cord of the newborn rat. Matsuto T, et al. **Neurosci Res** 1984 Dec;2(1–2):105–10

Structure–activity studies of dermorphin. The role of side chains of amino acid residues on the biological activity of dermorphin. Darlak K, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):687–9

Parallel bioassay of litorin and phyllolitorins on smooth muscle preparations. Falconieri Erspamer G, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):765–8

A comparison of the antinociceptive and behavioral effects of D–Arg substituted dipeptides and tetrapeptides in mice. Sato T, et al. **Peptides (Fayetteville)** 1985 Jan–Feb;6(1):35–40

Phe–met–arg–phe–amide (FMRF–NH2) inhibits insulin and somatostatin secretion and anti–FMRF–NH2 sera detects pancreatic polypeptide cells in the rat islet. Sorenson RL, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):777–82

Development of tolerance to the effect of dermorphin on gastric emptying in the rat. Broccardo M. **Pharmacol Res Commun** 1985 Apr;17(4):345–50

DSIP reduces amphetamine–induced hyperthermia in mice. Graf MV, et al. **Physiol Behav** 1984 Aug;33(2):291–5

Differential sleep–promoting effects of five sleep substances nocturnally infused in unrestrained rats. Inoué S, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6240–4

Prostaglandin–generating factor of anaphylaxis induces mucous glycoprotein release and the formation of lipoxygenase products of arachidonate from human airways. Marom Z, et al. **Prostaglandins** 1984 Jul;28(1):79–91

A new class of potent gastrin antagonists. Martinez J, et al. **Regul Pept** 1984 Nov;9(4):259–62

Inhibitors of lysosomal enzymes: accumulation of lipofuscin–like dense bodies in the brain. Ivy GO, et al. **Science** 1984 Nov 23;226(4677):985–7

Collagen derived octapeptide inhibits platelet procoagulant activity induced by the combined action of collagen and thrombin. Bevers EM, et al. **Thromb Res** 1985 Feb 1;37(3):365–70

An improved microtiter plate method to measure the potency of plasminogen activators. Chan WP, et al. **Thromb Res** 1984 Dec 1;36(5):467–74

Leupeptin, a protease inhibitor, blocks insemination–induced flight muscle histolysis in the fire ant Solenopsis. Jones RG, et al. **Tissue Cell** 1985;17(1):111–6

Hemodynamic effects of a competitive renin inhibitory peptide in humans: evidence for multiple mechanisms of action. Zusman RM, et al. **Trans Assoc Am Physicians** 1983;96:365–74

Modification of mouse hemopoietic cell proliferation in vivo by a hemoregulatory pentapeptide (HP 5b). Relation to circadian rhythms. Laerum OD, et al. **Virchows Arch [Cell Pathol]** 1984;46(4):333–48

[Inhibition of extracellular yeast proteinases by pepstatin A and leupeptin in the plate test] Schönborn C, et al. **Mykosen** 1985 Mar;28(3):117–8, 123–6 (Eng. Abstr.) **(Ger)**

[Effect of leu–enkephalin and the delta–sleep–inducing peptide, M (DSIP), on endogenous noradrenaline release by brain synaptosomes in the rat] Rozhanets VV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):199–201 (Eng. Abstr.) **(Rus)**

[Effect of the delta–sleep peptide on erythrocyte membrane function during low–temperature exposure] Bondarenko TI, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):279–82 (Eng. Abstr.) **(Rus)**

[Structural changes in muscle fiber contractile proteins studied by polarization ultraviolet fluorescence microscopy. VIII. The effect of glutaraldehyde and phalloidine on F–actin conformation] Borovikov IuS. **Tsitologiia** 1984 Nov;26(11):1262–6 (Eng. Abstr.) **(Rus)**

[Bioelectric activity and metabolism of individual brain structures at different times after administration of synthetic tetrapeptidamide] Popova NS, et al. **Zh Vyssh Nerv Deiat** 1984 Sep–Oct;34(5):926–31 (Eng. Abstr.) **(Rus)**

[Effects of pepstatin A on neutrophils; cross–deactivation with FMLP] Muniain MA, et al. **Rev Esp Fisiol** 1985 Mar;41(1):125–31 (Eng. Abstr.) **(Spn)**

PHYSIOLOGY

The role of proctolin and glutamate in the excitation–contraction coupling of insect visceral muscle. Cook BJ, et al. **Comp Biochem Physiol** [C] 1985;80(1):65–73

Proctolin, its presence in and action on the oviduct of an insect. Holman GM, et al. **Comp Biochem Physiol** [C] 1985;80(1):61–4

Involvement of protein sulfhydryls in the trigger reaction of rhodotorucine A, a farnesyl peptide mating pheromone of Rhodosporidium toruloides. Miyakawa T, et al. **J Bacteriol** 1985 Apr;162(1):294–9

[Recent advances in research on substance P and related neuropeptides] Kanazawa I. **No To Hattatsu** 1985 Mar;17(2):94–102 (17 ref.) **(Jpn)**

SECRETION

Ionic dependence of secretory and electrical activity evoked by elevated K+ in a peptidergic neurosecretory system. Cooke IM, et al. **J Exp Biol** 1984 Nov;113:289–321

THERAPEUTIC USE

Efficacy of S–2441, a synthetic oligopeptide, in a rat model for gram–negative bacteremia. Balis JU, et al. **Circ Shock** 1985;15(1):5–14

DSIP in the treatment of withdrawal syndromes from alcohol and opiates. Dick P, et al. **Eur Neurol** 1984;23(5):364–71

A clinical trial with DSIP. Kaeser HE. **Eur Neurol** 1984;23(5):386–8

Therapeutic effects of delta–sleep–inducing peptide (DSIP) in patients with chronic, pronounced pain episodes. A clinical pilot study. Larbig W, et al. **Eur Neurol** 1984;23(5):372–85

DSIP in insomnia. Schneider–Helmert D. **Eur Neurol** 1984;23(5):358–63

Effects of DSIP on narcolepsy. Schneider–Helmert D. **Eur Neurol** 1984;23(5):353–7

Effects of enalapril, a new angiotensin–converting enzyme inhibitor, in a controlled trial in heart failure. Franciosa JA, et al. **J Am Coll Cardiol** 1985 Jan;5(1):101–7

Suppression of experimental allergic encephalomyelitis (EAE) with liposome–encapsulated protease inhibitor: therapy through the blood–brain barrier. Osanai T, et al. **Neurochem Res** 1984 Oct;9(10):1407–16

Effects of angiotensin converting enzyme inhibitor and angiotensin II analogue on hypertension. Study of hypertension with two different blockers of the renin–angiotensin–aldosterone system. Kodama K, et al. **Nippon Jinzo Gakkai Shi** 1985 Mar;27(3):353–61

Comparison of the acute effects of three structurally different converting enzyme inhibitors (captopril, SA–446 and MK–421) on blood pressure, the renin–angiotensin system and the kallikrein–kinin system. Kondo K, et al. **Nippon Jinzo Gakkai Shi** 1985 Mar;27(3):337–42

Reduction in hypertension–induced protein synthesis in the rat pulmonary trunk after treatment with teprotide (SQ 20881). McKenzie JC, et al. **Proc Soc Exp Biol Med** 1984 Nov;177(2):377–82

[Inhibitors of angiotensin–converting enzyme in the treatment of arterial hypertension] Salvetti A, et al. **Boll Soc Ital Cardiol** 1984 Jan–Feb;29(1–2):103–20 (62 ref.) (Eng. Abstr.) **(Ita)**

[Experimental and clinical evaluation of small peptides as a nitrogen source in enteral nutrition (II). Clinical application of T–330 and a comparative study with Elental] Kobayashi N, et al. **Nippon Geka Hokan** 1984 Jan 1;53(1):133–44 (Eng. Abstr.) **(Jpn)**

[Studies on anti–ulcerogenic protein in inflamed rabbit skin tissues. III. Anti–ulcerogenic peptide (Gly–Ser–His–Lys) obtained from tissues infected with vaccinia virus] Aonuma S, et al. **Yakugaku Zasshi** 1984 Apr;104(4):362–73 (Eng. Abstr.) **(Jpn)**

[Stress–induced decrease in body resistance to tumor growth and the prevention of this phenomenon by central inhibitory metabolites] Sukhikh GT, et al. **Dokl Akad Nauk SSSR** 1984 Sep–Oct;278(1):253–6 **(Rus)**

[Limitation of disorders of the contractile function of the nonischemic areas of the myocardium during infarct by using the delta–sleep peptide and its cyclic derivative] Meerson FZ, et al. **Kardiologiia** 1985 May;25(5):84–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Similarity of chloropeptide to phalloidin in toxicity to isolated hepatocytes. Ueno Y, et al. **J Toxicol Sci** 1984 May;9(2):117–30

OLIGORIBONUCLEOTIDES see under **OLIGONUCLEOTIDES**

OLIGOSACCHARIDES

Application of microcomputers to the interpretation of high–resolution nuclear magnetic resonance spectra of asparagine–linked oligosaccharides: evaluation of high–mannose structures. Anderson DR, et al. **Anal Biochem** 1985 Apr;146(1):13–22

Optimizing hydrolysis of N–linked high–mannose oligosaccharides by endo–beta–N–acetylglucosaminidase H. Trimble RB, et al. **Anal Biochem** 1984 Sep;141(2):515–22

Structural characterization of oligosaccharides by high–performance liquid chromatography, fast–atom bombardment–mass spectrometry, and exoglycosidase digestion. Wang WT, et al. **Anal Biochem** 1984 Sep;141(2):366–81

A computerized approach to the analysis of oligosaccharide structure by high–resolution proton n.m.r. Hounsell EF, et al. **Biochem J** 1984 Oct 1;223(1):129–43

The effect of mild alkali and alkaline borohydride on the carbohydrate and peptide moieties of fetuin. Hounsell EF, et al. **Biochem Soc Trans** 1984 Aug;12(4):607–10

Carbohydrate chains from human bronchial mucus glycoproteins: a wide spectrum of oligosaccharide structures. Lamblin G, et al. **Biochem Soc Trans** 1984 Aug;12(4):599–600

Structural analysis of the carbohydrate chains of mucin–type glycoproteins by high–resolution 1H–n.m.r. spectroscopy. Van Halbeek H. **Biochem Soc Trans** 1984 Aug;12(4):601–5

Structural and conformational analysis of sialyloligosaccharides using carbon–13 nuclear magnetic resonance spectroscopy. Berman E. **Biochemistry** 1984 Jul 31;23(16):3754–9

Wheat germ agglutinin dimers bind sialyloligosaccharides at four sites in solution: proton nuclear magnetic resonance temperature studies at 360 MHz. Kronis KA, et al. **Biochemistry** 1985 Feb 12;24(4):826–33

Thermodynamics of wheat germ

agglutinin-sialyloligosaccharide interactions by proton nuclear magnetic resonance. Kronis KA, et al. **Biochemistry** 1985 Feb 12;24(4):834-40

Enhancement of structural information in FAB ionized carbohydrate samples by neutral gas collision. Carr SA, et al. **Biomed Mass Spectrom** 1985 Jun;12(6):288-95

1H- and 13C-n.m.r. assignments and conformational analysis of some monosaccharide and oligosaccharide substrate-analogues of lysozyme. Boyd J, et al. **Carbohydr Res** 1985 Jun 15;139:35-46

Identification of the tetrasaccharide repeating-unit of the Streptococcus pneumoniae type 23 polysaccharide by high-field proton n.m.r. spectroscopy. Jones C. **Carbohydr Res** 1985 Jun 15;139:75-83

Empirical 13C-n.m.r.-correlations between the Escherichia coli K 13 and LP 1092 capsular polysaccharides and model oligosaccharides containing D-ribose and 3-deoxy-D-manno-2-octulosonic acid. Neszmélyi A, et al. **Carbohydr Res** 1985 Jun 15;139:13-22

Kinetics of hydrolysis of 4-methylumbelliferyl tetra-N-acetyl-beta-chitotetraoside by hen egg white lysozyme and pH dependence of its kinetic parameters. Tanimoto T. **Eisei Shikenjo Hokoku** 1984;(102):25-8

Stimulation of clover root hair infection by lectin-binding oligosaccharides from the capsular and extracellular polysaccharides of Rhizobium trifolii. Abe M, et al. **J Bacteriol** 1984 Nov;160(2):517-20

Lymphocyte function-associated antigen 1 (LFA-1) contains sulfated N-linked oligosaccharides. Dahms NM, et al. **J Immunol** 1985 Jun;134(6):3978-86

Oligosaccharide-dependent and independent Qa-1 determinants. Jenkins RN, et al. **J Immunol** 1985 May; 134(5):3218-25

Influence of asparagine-linked oligosaccharides on tumor cell recognition in the mixed lymphocyte reaction. Powell LD, et al. **J Immunol** 1985 Jul;135(1):714-24

Multiple-step relayed correlation spectroscopy: sequential resonance assignments in oligosaccharides. Homans SW, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6286-9

Heparin and its derivatives. Part two: Applied aspects and future considerations. **Semin Thromb Hemost** 1985 Apr; 11(2):81-247

Oligosaccharides formed by treatment of heparin with nitrous acid. Bienkowski MJ, et al. **Semin Thromb Hemost** 1985 Apr;11(2):86-8

[Conformation analysis of carbohydrate chains of group-specific substances] Verovskiĭ VE, et al. **Bioorg Khim** 1983 Feb;9(2):254-65 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Optimum effectiveness of intestinal alpha-glucosidase inhibitors: importance of uniform distribution through a meal. O'Dea K, et al. **Am J Clin Nutr** 1985 Mar;41(3):511-6

ANALYSIS

N-acetylneuraminic acid concentrations in human milk oligosaccharides and glycoproteins during lactation. Carlson SE. **Am J Clin Nutr** 1985 Apr;41(4):720-6

High-performance liquid chromatography of mono- and oligosaccharides. Honda S. **Anal Biochem** 1984 Jul; 140(1):1-47 (266 ref.)

Separation of dansyl hydrazine-derivatized oligosaccharides by liquid chromatography. Hull SR, et al. **Anal Biochem** 1985 Apr;146(1):143-9

Analysis of N-linked oligosaccharide chains of glycoproteins on nitrocellulose sheets using lectin-peroxidase reagents. Kijimoto-Ochiai S, et al. **Anal Biochem** 1985 May 15; 147(1):222-9

Separation of metabolically radiolabeled O-methylmannitols and O-methylfucitol by reverse-phase high-performance liquid chromatography: applications to animal cell oligosaccharide structural analysis. Szilagyi PJ, et al. **Anal Biochem** 1985 Jul;148(1):260-7

Galactose-rich glycoproteins are on the cell surface of herpes virus-infected cells. 1. Surface labeling and serial lectin binding studies of Asn-linked oligosaccharides of glycoprotein gC. Kumarasamy R, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):593-602

Purification of hamster melanoma tyrosinases and structural studies of their asparagine-linked sugar chains. Ohkura T, et al. **Arch Biochem Biophys** 1984 Nov 15;235(1):63-77

Oligosaccharide chains of herpes simplex virus type 2 glycoprotein gG.2. Serafini-Cessi F, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):866-76

The structures of the serine-linked sugar chains on human chorionic gonadotropin. Cole LA, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):333-9

Two forms of acid alpha-D-mannosidase in monkey brain: evidence for the co-existence of high mannose and complex oligosaccharides in one form. Mathur R, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):1185-93

Occurrence of the Y determinant on the N-glycosidic carbohydrate units of human gamma-seminoprotein. van Halbeek H, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):507-14

Both acidic-type and neutral-type asparaginyl-oligosaccharides of host-cell glycoproteins are altered in Rous-sarcoma-virus-transformed chick-embryo fibroblasts. Hunt LA, et al. **Biochem J** 1985 Jul 15; 229(2):441-51

Alterations in fucosyl oligosaccharides of glycoproteins during rat liver regeneration. Kato S, et al. **Biochem J** 1985 Jul 15;229(2):521-8

Structure of heparin-derived tetrasaccharides. Merchant ZM, et al. **Biochem J** 1985 Jul 15;229(2):369-77

Very-high-field n.m.r. studies of bovine lung heparan sulphate tetrasaccharides produced by nitrous acid deaminative cleavage. Determination of saccharide sequence, uronate composition and degrees of sulphation. Sanderson PN, et al. **Biochem J** 1984 Oct 15;223(2):495-505

A carbohydrate differentiation antigen of granulocytes, brain and many tumours. Kerr MA, et al. **Biochem Soc Trans** 1985 Apr;13(2):424-6

Structural basis of the heterogeneity of asparagine-linked oligosaccharides of a Waldenstrom's macroglobulinemia immunoglobulin M. Cahour A, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):188-96

The combination of normal-phase and reverse-phase high-pressure liquid chromatography with NMR for the isolation and characterization of oligosaccharide alditols from ovarian cyst mucins. Dua VK, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):29-40

Structural studies on the core oligosaccharide of Phenylobacterium immobile strain K2 lipopolysaccharide. Chemical synthesis of 3-hydroxy-5c-dodecenoic acid. Bellmann W, et al. **Biol Chem Hoppe Seyler** 1985 Jun; 366(6):567-75

Expression of SSEA-I antigen (3-fucosyl-N-acetyl-lactosamine) on normal and leukaemic human haemopoietic cells: modulation by neuraminidase treatment. Tabilio A, et al. **Br J Haematol** 1984 Dec;58(4):697-710

Preliminary investigation of the structure of the carbohydrate component of Vicia graminea lectin, a plant glycoprotein. Prigent MJ, et al. **Carbohydr Res** 1984 Aug 1;131(1):83-92

Structure of two new oligosaccharides isolated from human milk: sialylated lacto-N-fucopentaoses I and II. Wieruszeski JM, et al. **Carbohydr Res** 1985 Mar 29; 137:127-38

A comparative study of the size-heterogeneous high mannose oligosaccharides of some insect vitellins. Nordin JH, et al. **Comp Biochem Physiol [B]** 1984;79(3):379-90

The major oligosaccharides in the large subunit of the hemagglutinin from fowl plague virus, strain Dutch. Structure elucidation by one-dimensional and two-dimensional 1H nuclear magnetic resonance and by methylation analysis. Niemann H, et al. **Eur J Biochem** 1985 Feb 1;146(3):523-32

Brugia malayi: stage-specific expression of carbohydrates containing N-acetyl-D-glucosamine on the sheathed surfaces of microfilariae. Kaushal NA, et al. **Exp Parasitol** 1984 Oct;58(2):182-7

Comparison between the bacterial and oligosaccharide content of ileostomy effluent in subjects taking diets rich in refined or unrefined carbohydrate. Berghouse L, et al. **Gut** 1984 Oct;25(10):1071-7

The histochemistry of asparagine-linked oligosaccharides of glycoproteins in mammalian and avian tissues as studied by digestion with almond glycopeptidase. Murata H, et al. **Histochem J** 1985 Feb;17(2):121-30

Bacteriophage-induced acidic heteropolysaccharide lyases that convert the acidic heteropolysaccharides of Rhizobium trifolii into oligosaccharide units. Hollingsworth RI, et al. **J Bacteriol** 1984 Nov;160(2):510-6

Identification of methylphosphomannosyl residues as components of the high mannose oligosaccharides of Dictyostelium discoideum glycoproteins. Gabel CA, et al. **J Biol Chem** 1984 Nov 25;259(22):13762-9

Oligosaccharide structures of human colonic mucin. Podolsky DK. **J Biol Chem** 1985 Jul 15;260(14):8262-71

Oligosaccharide microheterogeneity of the murine major histocompatibility antigens. Reproducible site-specific patterns of sialylation and branching in asparagine-linked oligosaccharides. Swiedler SJ, et al. **J Biol Chem** 1985 Apr 10;260(7):4046-54

Characterization and analysis of branched-chain N-acetylglucosaminyl oligosaccharides accumulating in Sandhoff disease tissue. Evidence that biantennary bisected oligosaccharide side chains of glycoproteins are abundant substrates for lysosomes. Warner TG, et al. **J Biol Chem** 1985 May 25;260(10):6194-9

Fractionation of L-fucose-containing oligosaccharides on immobilized Aleuria aurantia lectin. Yamashita K, et al. **J Biol Chem** 1985 Apr 25;260(8):4688-93

Identification of asparagine-linked oligosaccharides involved in tumor cell adhesion to laminin and type IV collagen. Dennis JW, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1416-23

Characterization of lacto-N-hexaose and two fucosylated derivatives from human milk by high-performance liquid chromatography and proton NMR spectroscopy. Dua VK, et al. **J Chromatogr** 1985 Jun 28;328:259-69

Ion-exchange chromatography of fluorogenic derivatives of maltooligosaccharides for preparation of alpha-amylase substrates. Omichi K, et al. **J Chromatogr** 1984 Dec 12; 336(2):368-73

High performance liquid chromatographic assay of disaccharides and oligosaccharides produced by the digestion of glycosaminoglycans with chondroitin sulphate lyases. Gurr E, et al. **J Clin Chem Clin Biochem** 1985 Feb; 23(2):77-87

D-galactosamine-induced liver injury: a rat model to study the heterogeneity of the oligosaccharide chains of alpha 1-acid glycoprotein. Monnet D, et al. **J Clin Chem Clin Biochem** 1985 Apr;23(4):249-53

Oligosaccharide structures of the low-molecular-weight salivary mucin from a normal individual and one with cystic fibrosis. Reddy MS, et al. **J Dent Res** 1985 Jan; 64(1):33-6

Isolation of an antigenic oligosaccharide fraction from Leptospira interrogans serovar canicola with a monoclonal antibody. Ono E, et al. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1429-35

Oligosaccharide structure of human C4. Chan AC, et al. **J Immunol** 1985 Mar;134(3):1790-8

Structural analysis of the varicella-zoster virus gp98-gp62 complex: posttranslational addition of N-linked and O-linked oligosaccharide moieties. Montalvo EA, et al. **J Virol** 1985 Mar;53(3):761-70

Structural characterization of murine Ia antigen N-linked oligosaccharides and localization of specific structures to two unique alpha-chain glycosylation sites. Cowan EP, et al. **Mol Immunol** 1985 Feb;22(2):135-43

Blood group specific oligosaccharides from faeces of a blood group A breast-fed infant. Sabharwal H, et al. **Mol Immunol** 1984 Nov;21(11):1105-12

[Analysis of cell membrane surface oligosaccharide chains with lectins] Matsumoto I. **Nippon Rinsho** 1985 Apr; 43(4):785-9 **(Jpn)**

[Recent aspects of the chemistry of lactose and approaches to the synthesis of oligosaccharides and their analogs in human milk] Tejima S, et al. **Seikagaku** 1984 Jul; 56(7):467-78 (82 ref.) **(Jpn)**

[The role of carbohydrate groups in IgM. VIII. The effect of treatment of IgM with acids on the subsequent action of glycosidases and endogenous proteinases] Chukhrova AI, et al. **Bioorg Khim** 1984 Mar;10(3):378-82 (Eng. Abstr.) **(Rus)**

[Immunochemical analysis of oligosaccharide fragments of O-specific Shigella flexneri polysaccharides] Iankina NF, et al. **Bioorg Khim** 1984 Oct;10(10):1421-2 (Eng. Abstr.) **(Rus)**

[Theoretical conformation analysis of tetrasaccharide-repeated links of the Shigella flexneri O-antigenic polysaccharide] Lipkind GM, et al. **Bioorg Khim** 1985 Apr;11(4):539-49 (Eng. Abstr.) **(Rus)**

[Conformation analysis of oligosaccharide determinants of group substances with Le specificity] Verovskiĭ VE, et al. **Bioorg Khim** 1984 Dec;10(12):1680-7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Comparison between 1-deoxynojirimycin and N-methyl-1-deoxynojirimycin as inhibitors of oligosaccharide processing in intestinal epithelial cells. Romero PA, et al. **Biochem J** 1985 Mar 15;226(3):733-40

BIOSYNTHESIS

Postnatal changes in biosynthesis of microvillus membrane glycans of rat small intestine: I. Evidence of a developmental shift from terminal sialylation to fucosylation. Torres-Pinedo R, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):546-53

Glycosylation and processing of high-mannose oligosaccharides of thyroid-stimulating hormone subunits: comparison to nonsecretory cell glycoproteins. Ronin C, et al. **Biochemistry** 1984 Sep 25;23(20):4503-10

Synthesis of the major oligosaccharide components of murine haemangioendothelioma cells. Heifetz A, et al. **Biochim Biophys Acta** 1985 Jun 18;840(2):153-62

Coordination between enzyme specificity and intracellular compartmentation in the control of protein-bound oligosaccharide biosynthesis. Schachter H. **Biol Cell** 1984; 51(2):133-45

Galactosyl transferases of baby hamster kidney (BHK) cells. Characterization of two oligosaccharide products synthesised using bovine asialo submaxillary-gland mucin as acceptor. Gleeson PA, et al. **Eur J Biochem** 1984 Oct 1;144(1):143-50

Effects of manno-1-deoxynojirimycin and 2,5-dihydroxymethyl-3,4-dihydroxypyrrolidine on N-linked oligosaccharide processing in intestinal epithelial cells. Romero PA, et al. **FEBS Lett** 1985 May 20; 184(2):197-201

Biosynthesis of membrane-derived oligosaccharides: characterization of mdoB mutants defective in phosphoglycerol transferase I activity. Jackson BJ, et al. **J Bacteriol** 1984 Dec;160(3):976-81

Biosynthesis of membrane-derived oligosaccharides. Novel glucosyltransferase system from Escherichia coli for the elongation of beta 1——2-linked polyglucose chains. Weissborn AC, et al. **J Biol Chem** 1984 Oct 25; 259(20):12644-51

An oligosaccharide biosynthetic defect in concanavalin A-resistant Chinese hamster ovary (CHO) cells that enhances NK reactivity in vitro and in vivo. Pohajdak B, et al. **J Immunol** 1984 Nov;133(5):2423-9

CHEMICAL SYNTHESIS

New synthetic cluster ligands for galactose/N-acetylgalactosamine-specific lectin of mammalian liver. Lee RT, et al. **Biochemistry** 1984 Aug 28;23(18):4255-61

Synthetic mucin fragments: benzyl 2-acetamido-3-O-[3-O-(2-acetamido-2-deoxy-beta-D-gl

-beta-D-galactopyranosyl]-2-deoxy-alpha-D-galactopyr
Abbas SA, et al. **Carbohydr Res** 1984 Sep 1;132(1):137-41

Methyl
4-O-(4-alpha-D-glucopyranosyloxy-4-methoxybutyl)-al
++glucopyranosi de, a modified oligosaccharide for studying interactions of carbohydrates with multisite proteins. Jegge S, et al. **Carbohydr Res** 1984 Oct 15; 133(2):247-54

Synthetic mucin fragments:
3-O-[2-acetamido-4,6-di-O-acetyl-2-deoxy-3-O
-(2,3,4,6-tetra-O-acetyl-b-D-galactopyranosyl)-b-D-glu
-2,4,6-tri-O-acetyl-a-D-galactopyranosyl bromide and p-nitrophenyl
3-O-(2-acetamido-2-deoxy-3-O-b-D-galactopyranosyl-glucopyranosyl)-b-D-galactopyranoside. Kohata K, et al. **Carbohydr Res** 1984 Sep 15;132(2):345-50

Synthetic mucin fragments: methyl
3-O-(2-acetamido-2-deoxy-beta-D-galactopyranosyl-bet
3-O-(2-acetamido-2-deoxy-3-O-beta-D-galactopyranos
beta-D-glucopyranosyl)-beta-D-galactoyranoside.
pyranosyl)-beta-D-galactopyranoside. Kohata K, et al. **Carbohydr Res** 1984 Sep 1;132(1):127-35

Preparation of a glycosyl donor suitable for synthesis of glycoprotein 'core' oligosaccharides. Liu CM, et al. **Carbohydr Res** 1985 Feb 28;136:273-84

Synthesis of a tetra- and a nona-saccharide which contain alpha-L-fucopyranosyl groups and are part of the complex type of carbohydrate moiety of glycoproteins. Lönn H. **Carbohydr Res** 1985 Jun 15;139:115-21

Synthesis of a tri- and a hepta-saccharide which contain alpha-L-fucopyranosyl groups and are part of the complex type of carbohydrate moiety of glycoproteins. Lönn H. **Carbohydr Res** 1985 Jun 15;139:105-13

Synthesis of some oligosaccharides containing the O-alpha-L-fucopyranosyl-(1----2)-D-galactopyranosyl unit. Matta KL, et al. **Carbohydr Res** 1984 Aug 15; 131(2):247-55

A new approach to the synthesis of beta-glycosidically linked oligosaccharides containing
2-acetamido-2-deoxy-D-mannose residues. Micheli E, et al. **Carbohydr Res** 1985 Jun 15;139:C1-3

Synthesis of benzyl
2-acetamido-2-deoxy-3-O-beta-D-fucopyranosyl-alpha- and benzyl
2-acetamido-6-O-(2-acetamido-2-deoxy-beta-D-glucopyranosyl)-2-deoxy-3-O-beta-D-fucopyranosyl-galactopyranoside. Piskorz CF, et al. **Carbohydr Res** 1984 Aug 15;131(2):257-63

Synthesis and characterization of propyl
O-beta-D-galactopyranosyl-(1----4)-O-beta-D-galactop
alpha-D-galactopyranoside. El-Shenawy HA, et al. **Carbohydr Res** 1984 Aug 15;131(2):239-46

Synthesis of the trisaccharide moiety of gangliotriosylceramide (asialo GM2). Wessel HP, et al. **Carbohydr Res** 1984 Jul 15;130:5-21

Preparation of non-reducing-end substituted p-nitrophenyl alpha-maltopentaoside (FG5P) as a substrate for a coupled enzymatic assay for alpha-amylases. Omichi K, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):977-82

Neosugar--a fructooligosaccharide nonnutritive sweetener. **Nutr Rev** 1985 May;43(5):155-6

[Synthesis of oligosaccharide fragments of O-specific Shigella flexneri polysaccharides. II. Synthesis of trisaccharide Glc alpha1----3RHa alpha1----2Rha alpha1----OMe and tetrasaccharide GlcNAc beta1----2(Llc alpha1----3)Rha alpha!----2Rh alpha1----OMe] Bakinovskiĭ LV, et al. **Bioorg Khim** 1985 Feb;11(2):254-63 (Eng. Abstr.) **(Rus)**

[Synthesis of oligosaccharide fragments of O-specific polysaccharides of Shigella flexneri. III. Synthesis of the tetrasaccharide Glc alpha 1-3Rha alpha 1-2(Glc alpha 1-3)Rha alpha 1-OMe and the pentasaccharide GlcNAc beta 1-2(Glc alpha 1-3)Rha alpha 1-2(Glc alpha 1-3)Rha alpha 1-OMe] Bakinovskiĭ LV, et al. **Bioorg Khim** 1985 May;11(5):655-61 (Eng. Abstr.) **(Rus)**

[A convenient synthon for the synthesis of the determinant oligosaccharides Le and ABH (type 1)] Bovin NV, et al. **Bioorg Khim** 1985 Jun;11(6):826-9 (Eng. Abstr.) **(Rus)**

[Synthesis of determinant oligosaccharides of the ABH (type 1) blood group antigen and Leb tetrasaccharide from a common precursor] Bovin NV, et al. **Bioorg Khim** 1984 Jun;10(6):853-60 (Eng. Abstr.) **(Rus)**

GENETICS

Possible role for peptide-oligosaccharide interactions in differential oligosaccharide processing at asparagine-107 of the light chain and asparagine-297 of the heavy chain in a monoclonal IgG1 kappa. Savvidou G, et al. **Biochemistry** 1984 Jul 31;23(16):3736-40

A novel type of Chinese hamster ovary cell mutant defective in oligosaccharide-lipid synthesis. Nakano A, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):507-10

Characterisation of a blood-group A-active tetrasaccharide synthesised by a blood-group B gene-specified glycosyltransferase. Yates AD, et al. **Carbohydr Res** 1984 Jul 15;130:251-60

Host-mediated selection of influenza virus receptor variants. Sialic acid-alpha 2,6Gal-specific clones of A/duck/Ukraine/1/63 revert to sialic acid-alpha 2,3Gal-specific wild type in ovo. Rogers GN, et al. **J Biol Chem** 1985 Jun 25;260(12):7362-7

IMMUNOLOGY

Monoclonal antibodies PMN 6, PMN 29, and PM-81 bind differently to glycolipids containing a sugar sequence occurring in lacto-N-fucopentaose III. Magnani JL, et al. **Arch Biochem Biophys** 1984 Sep;233(2):501-6

A new ganglioside in human meconium detected by antiserum against the human milk sialyloligosaccharide, LS-tetrasaccharide b. Prieto PA, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):281-9

Rabbit antibodies against the human milk sialyloligosaccharide alditol of LS-tetrasaccharide a (NeuAc alpha 2-3Gal beta 1-3GlcNAc beta 1-3Gal beta 1-4GlcOH). Smith DF, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):298-303

Anti-My-28, an antigranulocyte mouse monoclonal antibody, binds to a sugar sequence in lacto-N-neotetraose. Spitalnik SL, et al. **Blood** 1985 Aug;66(2):319-26

Adhesion mutants of Dictyostelium discoideum lacking the saccharide determinant recognized by two adhesion-blocking monoclonal antibodies. Loomis WF, et al. **Dev Biol** 1985 May;109(1):111-7

Blood group-active carbohydrate chains on the receptor for epidermal growth factor of A431 cells. Childs RA, et al. **EMBO J** 1984 Oct;3(10):2227-33

Myeloid-associated antigen 3-alpha-fucosyl-N-acetyllactosamine (FAL): location on various granulocyte membrane glycoproteins and masking upon monocytic differentiation. Tetteroo PA, et al. **Eur J Immunol** 1984 Dec;14(12):1089-95

A novel procedure for labeling immunoglobulins by conjugation to oligosaccharide moieties. O'Shannessy DJ, et al. **Immunol Lett** 1984;8(5):273-7

Composition and antigenic activity of the oligosaccharide moiety of Haemophilus influenzae type b lipooligosaccharide. Inzana TJ, et al. **Infect Immun** 1985 May;48(2):324-30

Immunogenic properties of octasaccharide-protein conjugates derived from Klebsiella serotype 11 capsular polysaccharide. Zigterman JW, et al. **Infect Immun** 1985 Feb;47(2):421-8

Effect of neuraminidase on the expression of the 3-fucosyl-N-acetyllactosamine antigen in human tissues. Howie AJ, et al. **J Clin Pathol** 1985 Apr;38(4):409-16

Expression in normal adult, fetal, and neoplastic tissues of a carbohydrate differentiation antigen recognised by antigranulocyte mouse monoclonal antibodies. McCarthy NC, et al. **J Clin Pathol** 1985 May;38(5):521-9

ISOLATION & PURIFICATION

High-pressure liquid chromatography of neutral oligosaccharides: effects of structural parameters. Blanken WM, et al. **Anal Biochem** 1985 Mar;145(2):322-30

Carbon nuclear magnetic resonance spectra of oligosaccharides isolated from human milk and ovarian cyst mucin. Bush CA, et al. **Anal Biochem** 1985 Feb 15; 145(1):124-36

Major oligosaccharides in the glycoprotein of Friend murine leukemia virus: structure elucidation by one- and two-dimensional proton nuclear magnetic resonance and methylation analysis. Geyer R, et al. **Biochemistry** 1984 Nov 6;23(23):5628-37

Fluorescent labeling of carbohydrates and analysis by liquid chromatography. Comparison of derivatives using mannosidosis oligosaccharides. Coles E, et al. **Carbohydr Res** 1985 Jun 15;139:1-11

Degradation of chondroitin 4-sulphate by tri-fluoroacetolysis: isolation of oligosaccharides from the carbohydrate-protein linkage region. Gunnarsson A, et al. **Carbohydr Res** 1984 Oct 1;133(1):75-82

Sialic acid-containing sugar chains of hen ovalbumin and ovomucoid. Yamashita K, et al. **Carbohydr Res** 1984 Jul 15;130:271-88

Structure determination of oligosaccharides isolated from Cad erythrocyte membranes by permethylation analysis and 500-MHz 1H-NMR spectroscopy. Herkt F, et al. **Eur J Biochem** 1985 Jan 2;146(1):125-9

Structural analysis of the O-glycosidically linked core-region oligosaccharides of human meconium glycoproteins which express oncofoetal antigens. Hounsell EF, et al. **Eur J Biochem** 1985 Apr 15;148(2):367-77

Isolation and structural characterization of the smaller-size oligosaccharides from desialylated human kappa-casein. Establishment of a novel type of core for a mucin-type carbohydrate chain. van Halbeek H, et al. **FEBS Lett** 1985 Jul 22;187(1):81-8

Thin-layer chromatography of hyaluronate oligosaccharides. Shimada E, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):721-5

Structural characterization of the oligosaccharides formed by depolymerization of heparin with nitrous acid. Bienkowski MJ, et al. **J Biol Chem** 1985 Jan 10; 260(1):356-65

Structures of the oligosaccharide chains in swine trachea mucin glycoproteins. Chandrasekaran EV, et al. **J Biol Chem** 1984 Oct 25;259(20):12908-14

Beta-linked N-acetylgalactosamine residues present at the nonreducing termini of O-linked oligosaccharides of a cloned murine cytotoxic T lymphocyte line are absent in a Vicia villosa lectin-resistant mutant cell line. Conzelmann A, et al. **J Biol Chem** 1984 Oct 25;259(20):12528-35

Occurrence of N-acetylglucosamine 6-phosphate in complex carbohydrates. Characterization of a phosphorylated sialyl oligosaccharide from bovine colostrum. Parkkinen J, et al. **J Biol Chem** 1985 Sep 15;260(20):10971-5

Purification and structures of oligosaccharide chains in swine trachea and Cowper's gland mucin glycoproteins. Rana SS, et al. **J Biol Chem** 1984 Oct 25;259(20):12899-907

Structures of the neutral oligosaccharides isolated from A-active human gastric mucin. Slomiany A, et al. **J Biol Chem** 1984 Dec 10;259(23):14743-9

Isolation of glucose-containing high-mannose glycoprotein core oligosaccharides. Tsai PK, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6340-3

Cell membrane complex carbohydrates in leukemia: glycoproteins in hairy cell and other leukemias. Klock JC, et al. **Semin Oncol** 1984 Dec;11(4):422-6

METABOLISM

The carbohydrate on human chorionic gonadotropin produced by cancer cells. Cole LA, et al. **Adv Exp Med Biol** 1984;176:245-70

Variations of lactose and oligosaccharides in milk from women of blood types secretor A or H, secretor Lewis, and secretor H/nonsecretor Lewis during the course of lactation. Viverge D, et al. **Ann Nutr Metab** 1985;29(1):1-11

Assembly of asparagine-linked oligosaccharides. Kornfeld R, et al. **Annu Rev Biochem** 1985;54:631-64 (283 ref.)

Comparison of the spectroscopic and saccharide binding properties of lentil and pea isolectins. Bhattacharyya L, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):820-6

Binding of simple carbohydrates and some N-acetyllactosamine-containing oligosaccharides to Erythrina cristagalli agglutinin as followed with a fluorescent indicator ligand. De Boeck H, et al. **Arch Biochem Biophys** 1984 Oct;234(1):297-304

Enzymatic sulfation of N-glycosidically linked oligosaccharides by endothelial cell membranes. Merkle RK, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):460-7

Characterization of MOPC 315 IgA oligosaccharide processing intermediates. Hickman S, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):586-93

Mono- and bidimensional 500 MHz 1H-NMR spectra of a synthetic pentasaccharide corresponding to the binding sequence of heparin to antithrombin-III: evidence for conformational peculiarity of the sulfated iduronate residue. Torri G, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):134-40

Targeting of asialofetuin sugar chain-bearing liposomes to liver lysosomes. Banno Y, et al. **Biochem Int** 1983 Oct; 7(4):455-61

Carbohydrate-structure-dependent recognition of desialylated serum glycoproteins in the liver and leucocytes. Two complementary systems. Bezouška K, et al. **Biochem J** 1985 Apr 15;227(2):345-54

Hazelhurst-vesicular-stomatitis-virus G and Sindbis-virus E1 glycoproteins undergo similar host-cell-dependent variation in oligosaccharide processing. Davidson SK, et al. **Biochem J** 1985 Jul 1;229(1):47-55

Hybrid sialylated N-glycans are minor constituents of normal BHK-cell glycoproteins and a prominent feature in glycoproteins of some ricin-resistant cell lines. Hughes RC, et al. **Biochem J** 1985 Mar 1;226(2):487-98

Sequence variation in heparin octasaccharides with high affinity for antithrombin III. Atha DH, et al. **Biochemistry** 1984 Nov 20;23(24):5801-12

Inhibitors of oligosaccharide processing. Fuhrmann U, et al. **Biochim Biophys Acta** 1985 Jun 24;825(2):95-110 (106 ref.)

Phosphorylated high mannose-type and hybrid-type oligosaccharide chains of human thyroglobulin isolated from malignant thyroid tissue. Yamamoto K, et al. **Biochim Biophys Acta** 1985 Jan 28;838(1):84-91

Attachment of terminal N-acetylglucosamine to asparagine-linked oligosaccharides occurs in central cisternae of the Golgi stack. Dunphy WG, et al. **Cell** 1985 Feb;40(2):463-72

O-linked oligosaccharides of mouse egg ZP3 account for its sperm receptor activity. Florman HM, et al. **Cell** 1985 May;41(1):313-24

Glycosylation allows cell-surface transport of an anchored secretory protein. Guan JL, et al. **Cell** 1985 Sep; 42(2):489-96

Hydrolysis of 4-methylumbelliferyl tetra-N-acetyl-beta-chitotetraoside by lysozyme and its inhibition by N,N',N''-triacetylchitotriose. Tanimoto T, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3607-14

Diagnosis of Pompe's disease using pyridylamino-maltooligosaccharides as substrates of alpha-1,4-glucosidase. Midorikawa M, et al. **Clin Chim Acta** 1985 Apr 15;147(2):97-102

Inhibition of N-glycosylation induces tyrosine sulphation of hybridoma immunoglobulin G. Baeuerle PA, et al. **EMBO J** 1984 Oct;3(10):2209-15

Modification of the N-linked oligosaccharides in cell surface glycoproteins during chick embryo development. A using lectin affinity and a high resolution chromatography study. Codogno P, et al. **Eur J Biochem** 1985 Jun 3;149(2):453-60

Structure of the oligosaccharides sensitive to endo-beta-n-acetylglucosaminidase H in the glycoprotein of Friend murine leukemia virus. Geyer R, et al. **Eur J Biochem** 1984 Sep 17;143(3):531-9

Flavobacterium heparinum 2-O-sulphatase for 2-O-sulphato-delta 4,5-glycuronate-terminated oligosaccharides from heparin. McLean MW, et al. **Eur J Biochem** 1984 Dec 17;145(3):607-15

Sensitivity to alpha/beta-interferon is independent of N-linked complex-type oligosaccharides on cell-surface-membrane glycoproteins. Parker J, et al. **Eur J Biochem** 1985 Sep 16;151(3):651-5

On porcine pancreatic alpha-amylase action: kinetic evidence for the binding of two maltooligosaccharide molecules (maltose, maltotriose and o-nitrophenylmaltoside) by inhibition studies. Correlation with the five-subsite energy profile. Seigner C, et al. **Eur J Biochem** 1985 Apr 1; 148(1):161-8

Effect of monensin on the metabolism, localization, and biosynthesis of N- and O-linked oligosaccharides of galactosyltransferase. Strous GJ, et al. **Eur J Cell Biol** 1985 Mar;36(2):256-62

Reversibility of monensin inhibition of oligosaccharide processing of human fibronectin. Sai S, et al. **Exp Cell Res** 1984 Oct;154(2):402-11

Transfer of oligosaccharide from oligosaccharide pyrophosphoryl dolichol to endogenous acceptor proteins in human breast malignant and normal tissues. Santa Cruz AR, et al. **Experientia** 1985 Jul 15;41(7):928-9

Cytochemical analysis of oligosaccharide processing in frog photoreceptors. Wood JG, et al. **Histochem J** 1985 May; 17(5):585-94

Effects of digestion with N-oligosaccharide glycopeptidase upon certain lectin-peroxidase-diaminobenzidine reactions of glycoproteins in mammalian and avian tissues. Murata H, et al. **Histochemistry** 1984;81(4):401-7

A novel enzyme producing isoprimeverose from oligoxyloglucans of Aspergillus oryzae. Kato Y, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):801-10

Post-translational incorporation of [35S]sulfate into oligosaccharide side chains of pro-opiomelanocortin in rat intermediate lobe cells. Bourbonnais Y, et al. **J Biol Chem** 1985 May 10;260(9):5832-7

Characterization of an Escherichia coli mdoB mutant strain unable to transfer sn-1-phosphoglycerol to membrane-derived oligosaccharides. Fiedler W, et al. **J Biol Chem** 1985 Apr 25;260(8):4799-806

Interaction of Dictyostelium discoideum lysosomal enzymes with the mammalian phosphomannosyl receptor. The importance of oligosaccharides which contain phosphodiesters. Freeze HH. **J Biol Chem** 1985 Jul 25; 260(15):8857-64

Sialylation of glycoprotein oligosaccharides with N-acetyl-, N-glycolyl-, and N-O-diacetylneuraminic acids. Higa HH, et al. **J Biol Chem** 1985 Jul 25;260(15):8838-49

Characterization of a specific alpha-mannosidase involved in oligosaccharide processing in Saccharomyces cerevisiae. Jelinek-Kelly S, et al. **J Biol Chem** 1985 Feb 25; 260(4):2253-7

Branch specificity of bovine colostrum CMP-sialic acid: N-acetyllactosaminide alpha 2-----6-sialyltransferase. Interaction with biantennary oligosaccharides and glycopeptides of N-glycosylproteins. Joziasse DH, et al. **J Biol Chem** 1985 Jan 25;260(2):714-9

Oligosaccharides generated by an endoglucuronidase are intermediates in the intracellular degradation of heparan sulfate proteoglycans. Kjellén L, et al. **J Biol Chem** 1985 Jul 15;260(14):8416-22

3-O-methylation of mannose residues. A novel reaction in the processing of N-linked oligosaccharides occurring in Mucor rouxii. Lederkremer GZ, et al. **J Biol Chem** 1984 Oct 25;259(20):12514-8

Asparagine-linked oligosaccharides on formyl peptide chemotactic receptors of human phagocytic cells. Malech HL, et al. **J Biol Chem** 1985 Feb 25;260(4):2509-14

The effect of swainsonine and castanospermine on the sulfation of the oligosaccharide chains of N-linked glycoproteins. Merkle RK, et al. **J Biol Chem** 1985 Jan 25;260(2):1083-9

Changes in asparagine-linked sugar chains of human promyelocytic leukemic cells (HL-60) during monocytoid differentiation and myeloid differentiation. Appearance of high mannose-type oligosaccharides in neutral fraction. Mizoguchi A, et al. **J Biol Chem** 1984 Oct 10; 259(19):11943-8

Changes in asparagine-linked sugar chains of human promyelocytic leukemic cells (HL-60) during monocytoid differentiation and myeloid differentiation. Decrease of high-molecular-weight oligosaccharides in acidic fraction. Mizoguchi A, et al. **J Biol Chem** 1984 Oct 10; 259(19):11949-57

Decreased transfer of oligosaccharide from oligosaccharide-lipid to protein acceptors in regenerating rat liver. Oda-Tamai S, et al. **J Biol Chem** 1985 Jan 10; 260(1):57-63

Processing of the asparagine-linked oligosaccharides of secreted and intracellular forms of the vesicular stomatitis virus G protein: in vivo evidence of Golgi apparatus compartmentalization. Gabel CA, et al. **J Cell Biol** 1985 Aug;101(2):460-9

Mucin degradation in human colon ecosystems. Isolation and properties of fecal strains that degrade ABH blood group antigens and oligosaccharides from mucin glycoproteins. Hoskins LC, et al. **J Clin Invest** 1985 Mar;75(3):944-53

Target cell surface glycoconjugates and neural induction in an amphibian. Gualandris L, et al. **J Embryol Exp Morphol** 1985 Apr;86:39-51

Murine Ia-associated invariant chain's processing to complex oligosaccharide forms and its dissociation from the I-Ak complex. Holt GD, et al. **J Immunol** 1985 Jul; 135(1):399-407

Interaction of hyaluronectin with hyaluronic acid oligosaccharides. Bertrand P, et al. **J Neurochem** 1985 Aug; 45(2):434-9

Lectin probes of glycoconjugates in human salivary gland neoplasms: 2. Daley TD, et al. **J Oral Pathol** 1985 Aug; 14(7):531-8

Disposition and anticoagulant activity of biologically active heparin fragments in the rat. Larsen AK, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):373-8

Control of carbohydrate processing: the lec1A CHO mutation results in partial loss of N-acetylglucosaminyltransferase I activity. Stanley P, et al. **Mol Cell Biol** 1985 Jun;5(6):1204-11

Effector functions of a monoclonal aglycosylated mouse IgG2a: binding and activation of complement component C1 and interaction with human monocyte Fc receptor. Leatherbarrow RJ, et al. **Mol Immunol** 1985 Apr; 22(4):407-15

Spin labelling of sialic acid and galactose residues on lymphocyte plasma membrane: effects of lectins on oligosaccharide dynamics. Sharom FJ, et al. **Mol Immunol** 1985 May;22(5):521-30

Biologic studies on chemically synthesized pentasaccharide and tetrasaccharide fragments. Choay J. **Semin Thromb Hemost** 1985 Apr;11(2):81-5

PHARMACODYNAMICS

Lysosomal glycogen storage induced by Acarbose, a 1,4-alpha-glucosidase inhibitor. Geddes R, et al. **Biochem J** 1985 Jun 1;228(2):319-24

Characterization of the transition state of lysozyme unfolding. II. Effects of the intrachain crosslinking and the inhibitor binding on the transition state. Segawa S, et al. **Biopolymers** 1984 Nov;23(11 Pt 2):2489-98

Studies of the inhibition by malto-oligosaccharides of the cyclisation reaction catalysed by the cyclodextrin glycosyltransferase from Klebsiella pneumoniae M 5 al with glycogen. Bender H. **Carbohydr Res** 1985 Jan 15; 135(2):291-302

Enhancing effects of N-acetyl-chito-oligosaccharides on the active oxygen-generating and microbicidal activities of peritoneal exudate cells in mice. Suzuki K, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):886-8

Hydrolysis of 4-methylumbelliferyl tetra-N-acetyl-beta-chitotetraoside by lysozyme and its inhibition by N,N',N''-triacetylchitotriose. Tanimoto T, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3607-14

Effect of acarbose on biochemical responses and clinical symptoms in dumping syndrome. Lyons TJ, et al. **Digestion** 1985;31(2-3):89-96

Bactericidal activity of human lysozyme, muramidase-inactive lysozyme, and cationic polypeptides against Streptococcus sanguis and Streptococcus faecalis: inhibition by chitin oligosaccharides. Laible NJ, et al. **Infect Immun** 1985 Jun;48(3):720-8

Thrombin-inhibitory activity of whale heparin oligosaccharides. Ototani N, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1695-703

Screening of sugars inhibitory against sucrose-dependent synthesis and adherence of insoluble glucan and acid production by Streptococcus mutans. Imai S, et al. **J Dent Res** 1984 Nov;63(11):1293-7

Adaptation of the small intestine to induced maldigestion in rats. Experimental pancreatic atrophy and acarbose feeding. Creutzfeldt W, et al. **Scand J Gastroenterol [Suppl]** 1985;112:45-53

Haemagglutination by vaginal anaerobic curved rods and its inhibition by oligosaccharides. Mårdh PA, et al. **Scand J Urol Nephrol [Suppl]** 1984;86:179-84

Preliminary biochemical and pharmacologic studies on a chemically synthesized pentasaccharide. Walenga JM, et al. **Semin Thromb Hemost** 1985 Apr;11(2):89-99

Effect of Acarbose on the production of hydrogen and methane and on hormonal parameters in young adults under standardized low-fibre mixed diets. Fritz M, et al. **Z Ernahrungswiss** 1985 Mar;24(1):1-18

PHYSIOLOGY

Protein-linked oligosaccharide implicated in cell-cell adhesion in two Dictyostelium species. Springer WR, et al. **Dev Biol** 1985 May;109(1):102-10

A multivalent lacto-N-fucopentaose III-lysyllysine conjugate decompacts preimplantation mouse embryos, while the free oligosaccharide is ineffective. Fenderson BA, et al. **J Exp Med** 1984 Nov 1;160(5):1591-6

THERAPEUTIC USE

Treatment of poorly controlled non-insulin-dependent diabetic patients with Acarbose. Scott RS, et al. **Aust NZ J Med** 1984 Oct;14(5):649-54

Acarbose treatment of sulfonylurea-treated non-insulin dependent diabetics. A double-blind cross-over comparison of an alpha-glucosidase inhibitor with metformin. Johansen K. **Diabete Metab** 1984 Oct; 10(4):219-23

Glibenclamide pharmacokinetics in acarbose-treated type 2 diabetics. Gerard J, et al. **Eur J Clin Pharmacol** 1984; 27(2):233-6

alpha-Glucosidase inhibition improves postprandial hyperglycemia and decreases insulin requirements in insulin-dependent diabetes mellitus. Dimitriadis GD, et al. **Metabolism** 1985 Mar;34(3):261-5

Effects of acarbose, an alpha-glucosidase inhibitor (Bay G 5421), on orally loaded glucose, maltose and sucrose and on blood glucose control in non-insulin-dependent diabetics. Hayakawa T, et al. **Nagoya J Med Sci** 1985 Jan; 47(1-2):35-41

Studies on the antithrombotic effects and pharmacokinetics of heparin fractions and fragments. Fareed J, et al. **Semin Thromb Hemost** 1985 Jan;11(1):56-74 (72 ref.)

Heparin fractions and derivatives. Wehrmacher WH. **Semin Thromb Hemost** 1985 Apr;11(2):218-21 (13 ref.)

Long-term treatment in diabetics with acarbose, a glucosidase inhibitor: efficacy, tolerability and effect on GI hormones. Hillebrand I, et al. **Tohoku J Exp Med** 1983 Dec;141 Suppl:683-6

Improved control in self-blood glucose monitoring insulin dependent diabetics treated with acarbose. Zimmet P, et al. **Tohoku J Exp Med** 1983 Dec;141 Suppl:687-92

[Effect of acarbose on carbohydrate and lipid metabolism in type II diabetes with secondary failure] Heuer LJ, et al. **Dtsch Z Verdau Stoffwechselkr** 1985;45(2):52-8 (Eng. Abstr.) **(Ger)**

URINE

Electron ionization mass spectra of reduced and permethylated urinary oligosaccharides from patients with mannosidosis. Jardine I, et al. **Biomed Mass Spectrom** 1984 Nov;11(11):562-8

OLIGOSPERMIA

In-vitro fertilisation for men with obstructive azoospermia [letter] Pryor J, et al. **Lancet** 1984 Sep 29;2(8405):762

Onset of azoospermia after vasectomy. Sivanesaratnam V. **NZ Med J** 1985 May 8;98(778):331-3

BLOOD

Plasma concentrations of FSH and testosterone in male infertile patients. Noci I, et al. **Acta Eur Fertil** 1985 May-Jun;16(3):175-8

Testosterone, FSH and LH in human spermatic and cubital venous plasma in post-inflammatory azoospermia. Bablok L, et al. **Andrologia** 1984 Nov-Dec;16(6):525-7

Abnormal pattern of LH-release in patients with germinal epithelium damage. Vierhapper H, et al. **Horm Metab Res** 1985 Jan;17(1):44-5

[Relations between spermatozoa density of germ cells of the testis and hormone analyses (especially FSH) in patients with oligozoospermia)] Schütte B. **Urologe [Ausg A]** 1984 Nov;23(6):334-7 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Chromosomal analysis and health status of children conceived to men during or following dibromochloropropane-induced spermatogenic suppression. Potashnik G, et al. **Andrologia** 1985 May-Jun; 17(3):291-6

Gonadal toxicity after combination chemotherapy for Hodgkin's disease. Comparative results of MOPP vs ABVD. Viviani S, et al. **Eur J Cancer Clin Oncol** 1985 May;21(5):601-5

[Experimental studies on the embryotoxic, gonadotoxic and mutagenic effects of hexachlorophene] Dymin VV, et al. **Gig Sanit** 1984 Aug;(8):25-6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Statistical evaluation of andrologic-urologic consultation] Hofmann R, et al. **Helv Chir Acta** 1984 Oct;51(3-4):383-7 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of men with oligoasthenozoospermia and asthenozoospermia with kallikrein. Mićić S, et al. **Acta Eur Fertil** 1985 Jan-Feb;16(1):51-4

A new gonadotropin treatment for idiopathic moderate oligoasthenospermia. Pescosolido D, et al. **Acta Eur Fertil** 1985 Mar-Apr;16(2):129-32

Long-term, pulsatile, low dose, subcutaneous luteinizing hormone-releasing hormone administration in men with idiopathic oligozoospermia. Failure of therapeutic and hormonal response. Fauser BC, et al. **Andrologia** 1985 Mar-Apr;17(2):143-9

Treatment of oligozoospermia by tamoxifen: no evidence for direct testicular action. Krause W, et al. **Andrologia** 1985 May-Jun;17(3):285-90

Clomiphene citrate does not improve spermatozoal fertilizing capacity in idiopathic oligospermia. Wang C, et al. **Fertil Steril** 1985 Jul;44(1):102-5

Gonadotrophin treatment of pathospermic patients. Szöllösi J, et al. **Int Urol Nephrol** 1984;16(3):259-63

Bioassay of LH as a prognostic index for gonadotropin therapy in oligozoospermia. Paolucci D, et al. **J Endocrinol Invest** 1984;7 Suppl 3:53-8

Evaluation of sperm parameters in clinical trial with clomiphene citrate of oligospermic men. Mićić S, et al. **J Urol** 1985 Feb;133(2):221-2

Testicular germ cell tumors after clomiphene therapy for subfertility. Nilsson A, et al. **J Urol** 1985 Sep;134(3):560-2

[Hydroprot treatment of oligozoospermia in men] Tsvetkov

Ts. **Akush Ginekol (Sofiia)** 1984;23(5):449-51 (Eng. Abstr.) **(Bul)**

[Kallikrein therapy in asthenozoospermia] Neumann J, et al. **Dermatol Monatsschr** 1985;171(2):102-5 (Eng. Abstr.) **(Ger)**

[Pentoxifylline—an andrologic drug?] Schramm P, et al. **Z Hautkr** 1984 Oct 15;59(20):1379-82 (Eng. Abstr.) **(Ger)**

[Current trends in the clinical use of non-steroidal antiestrogens] Gus AI. **Akush Ginekol (Mosk)** 1984 Aug;(8):9-13 (55 ref.) **(Rus)**

ENZYMOLOGY

Enzymic activities in the seminal plasma of normospermic, oligospermic and infertile azoospermic men. Nag Das SK, et al. **Enzyme** 1984;32(3):157-61

Reduced activities of triple adenosine triphosphatase in seminal plasma and spermatozoa of patients with oligoasthenospermia. Karacagil M, et al. **Eur Urol** 1984;10(6):405-7

ETIOLOGY

Reversal of azoospermia in an insulin dependent diabetic. Tay HH, et al. **Ann Acad Med Singapore** 1985 Apr;14(2):310-1

Aetiological factors in the production of obstructive azoospermia. Jequier AM, et al. **Br J Urol** 1984 Oct;56(5):540-3

Germinal aplasia: how it may mimic obstructive azoospermia. Jequier AM, et al. **Br J Urol** 1984 Oct;56(5):537-9

Obstructive azoospermia: a study of 102 patients. Jequier AM. **Clin Reprod Fertil** 1985 Mar;3(1):21-36

[Diagnosis of a toxic liver lesion based on spermiographic changes] Pusch HH. **Wien Klin Wochenschr** 1984 Dec 7;96(23):857-9 (Eng. Abstr.) **(Ger)**

[Varicocele: cause of sub-fertility (therapeutic considerations)] Maniscalco L, et al. **Chir Ital** 1983 Aug;35(4):540-4 (Eng. Abstr.) **(Ita)**

[Congenital aplasia of the vas deferens] Musierowicz A, et al. **Wiad Lek** 1984 Sep 15;37(16):1306-8 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Azoospermia and duplication 3qter as distinct consequences of a familial t(X;3) (q26;q13.2). Cantú JM, et al. **Am J Med Genet** 1985 Apr;20(4):677-84

Familial occurrence of azoospermia and extreme oligozoospermia. Budde WJ, et al. **Clin Genet** 1984 Dec;26(6):555-62

A translocation 46,XY,t(1;2)(q32;q21) in a male with reproductive failure [letter] Kaur S. **Hum Genet** 1985;70(1):93

A complex balanced rearrangement involving four chromosomes in an azoospermic man. Rodriguez MT, et al. **J Med Genet** 1985 Feb;22(1):66-7

Bronchiectasis and oligospermia: two families. Davis PB, et al. **Thorax** 1985 May;40(5):376-9

[DNA flow cytometric evaluation of spermatogenesis. Part 2: Studies on male infertility] Kawai S. **Hinyokika Kiyo** 1985 Jan;31(1):87-95 (Eng. Abstr.) **(Jpn)**

METABOLISM

Androgen receptor abnormalities in identical twins with oligospermia. Clinical and biochemical studies. Smallridge RC, et al. **Am J Med** 1984 Dec;77(6):1049-54

Beta-endorphin in normozoospermic and pathologic human semen. Singer R, et al. **Experientia** 1985 Jan 15;41(1):64-5

[Azoospermia, asthenozoospermia and seminal biochemistry] Soufir JC. **Ann Biol Clin (Paris)** 1985;43(1):67-70 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Morphometric and histologic studies of testicular biopsies in obstructive azoospermia] Sigg C, et al. **Schweiz Med Wochenschr** 1984 Dec 29;114(52):1942-50 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Successful use of in vitro fertilization for patients with persisting low-quality semen. Mahadevan MM, et al. **Ann NY Acad Sci** 1985;442:293-300

The management of oligospermic infertility by in vitro fertilization. Yovich JL, et al. **Ann NY Acad Sci** 1985;442:276-86

Characterization of hyperactivated motility by human spermatozoa during capacitation: comparison of fertile and oligozoospermic sperm populations. Burkman LJ. **Arch Androl** 1984;13(2-3):153-65

Evaluation of epididymal function through specific protein on spermatozoa. Del Río AG, et al. **Arch Androl** 1984;12(2-3):195-6

Quantitative evaluation of the human spermatozoal motility and acrosome reaction in infertile oligozoospermic and fertile euspermic men. Reyes A, et al. **Arch Androl** 1984;12(2-3):187-94

Effect of aromatase inhibition by delta 1-testolactone on basal and luteinizing hormone-releasing hormone-stimulated pituitary and gonadal hormonal function in oligospermic men. Dony JM, et al. **Fertil Steril** 1985 May;43(5):787-92

Analysis of human sperm function following exposure to the ionophore A23187. Comparison of normospermic and oligozoospermic men. Aitken RJ, et al. **J Androl** 1984 Sep-Oct;5(5):321-9

The limitations of in vitro fertilization from males with severe oligospermia and abnormal sperm morphology. Yovich JL, et al. **J In Vitro Fert Embryo Transfer** 1984 Sep;1(3):172-9

[Leydig cell function in idiopathic oligozoospermia] Lunglmayr G, et al. **Wien Klin Wochenschr** 1984 Sep 14;96(17):651-4 (Eng. Abstr.) **(Ger)**

[Quantitative study of motility and acrosomal reaction in spermatozoa from euspermic and infertile oligospermic individuals] Reyes Fuentes A, et al. **Ginecol Obstet Mex** 1983 Feb;51(310):33-8 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Relationships among pleasure, anxiety and physiological response patterns during the sexual sequence in normal and dispermic subjects. Ruggieri V, et al. **Percept Mot Skills** 1985 Apr;60(2):603-10

RADIOGRAPHY

[Vas deferens-obstructive azoospermia following inguinal herniotomy] Matz M, et al. **Z Urol Nephrol** 1984 Sep;77(9):543-7 (Eng. Abstr.) **(Ger)**

SURGERY

[Operative therapy of infertility in the male] Klosterhalfen H. **Helv Chir Acta** 1984 Oct;51(3-4):339-44 **(Ger)**

THERAPY

Non-therapy related pregnancies in the consorts of a group of men with obstructive azoospermia. Jequier AM. **Andrologia** 1985 Jan-Feb;17(1):6-8

A technique for enrichment of motile spermatozoa from oligozoospermic and asthenozoospermic patients. Leung PC, et al. **Aust NZ J Obstet Gynaecol** 1984 Aug;24(3):210-2

[Modification of semen quality by acupuncture in subfertile males] Fischl F, et al. **Geburtshilfe Frauenheilkd** 1984 Aug;44(8):510-2 (Eng. Abstr.) **(Ger)**

OLIGURIA see under **ANURIA**

OLIVARY NUCLEUS

The olivopontocerebellar atrophies. **Adv Neurol** 1984;41:1-286

Clinical features of sporadic (Dejerine-Thomas) olivopontocerebellar atrophy. Caplan LR. **Adv Neurol** 1984;41:217-24

Autonomic dysfunction in olivopontocerebellar atrophy. Chokroverty S. **Adv Neurol** 1984;41:105-41 (214 ref.)

An apology and an introduction to the olivopontocerebellar atrophies. Duvoisin RC. **Adv Neurol** 1984;41:5-12

The pharmacology of olivopontocerebellar atrophy. Goetz CG, et al. **Adv Neurol** 1984;41:143-8

Morphological changes of olivopontocerebellar atrophy in computed tomography and comments on its pathogenesis. Huang YP, et al. **Adv Neurol** 1984;41:39-85

The neuropathology of olivopontocerebellar atrophy. Koeppen AH, et al. **Adv Neurol** 1984;41:13-38 (57 ref.)

Disorders of ocular motility in the olivopontocerebellar atrophies. Lepore FE. **Adv Neurol** 1984;41:97-103 (43 ref.)

Cerebellodiencephalic interactions in olivopontocerebellar atrophy. Narabayashi H. **Adv Neurol** 1984;41:87-95

Four biochemically different types of dominantly inherited olivopontocerebellar atrophy. Perry TL. **Adv Neurol** 1984;41:205-16

Abnormal metabolism of neuroexcitatory amino acids in olivopontocerebellar atrophy. Plaitakis A. **Adv Neurol** 1984;41:225-43 (52 ref.)

A variety of olivopontocerebellar atrophy distinguished by slow eye movements and peripheral neuropathy. Wadia NH. **Adv Neurol** 1984;41:149-77

Olivopontocerebellar atrophy with dementia, blindness, and chorea. Response to baclofen. Trauner DA. **Arch Neurol** 1985 Aug;42(8):757-8

Pathology of olivopontocerebellar atrophy with glutamate dehydrogenase deficiency. Chokroverty S, et al. **Neurology** 1984 Nov;34(11):1451-5

ANATOMY & HISTOLOGY

Neurons in the ventral tegmentum have separate populations projecting to telencephalon and inferior olive, are histochemically different, and may receive direct visual input. Fallon JH, et al. **Brain Res** 1984 Nov 12;321(2):332-6

Vestibular afferents of the inferior olive and the vestibulo-olivo-cerebellar climbing fiber pathway to the flocculus in the cat. Gerrits NM, et al. **Brain Res** 1985 Apr 22;332(2):325-36

The pretectal olivary nucleus of the cat: evidence for a two-tailed structure. Hutchins B, et al. **Brain Res** 1985 Apr 1;331(1):150-4

Origin in the medial accessory olive of climbing fibres to the x and lateral c1 zones of the cat cerebellum: a combined electrophysiological/WGA-HRP investigation. Campbell NC, et al. **Exp Brain Res** 1985;58(3):520-31

Cerebellar and olivary projections of the external and rostral internal cuneate nuclei in the cat. Gerrits NM, et al. **Exp Brain Res** 1985;57(2):239-55

Axonal branching in parasagittal zones of the rat olivocerebellar projection: a retrograde fluorescent double-labelling study. Wharton SM, et al. **Exp Brain Res** 1985;58(1):183-9

A qualitative and quantitative light microscopic study of the inferior olivary complex of normal, reeler, and weaver mutant mice. Blatt GJ, et al. **J Comp Neurol** 1985 Feb 1;232(1):117-28

Acoustic chiasm II: Anatomical basis of binaurality in lateral superior olive of cat. Glendenning KK, et al. **J Comp Neurol** 1985 Feb 8;232(2):261-85

Ascending somatosensory projections to the medial accessory portion of the inferior olive: a retrograde study in cats. Molinari HH. **J Comp Neurol** 1985 Feb 22;232(4):523-33

A reevaluation of midbrain and diencephalic projections to the inferior olive in rat with particular reference to the rubro-olivary pathway. Rutherford JG, et al. **J Comp Neurol** 1984 Oct 20;229(2):285-300

A qualitative and quantitative light microscopic study of the inferior olivary complex in the adult staggerer mutant mouse. Blatt GJ, et al. **J Neurogenet** 1985 Feb;2(1):51-66

Axon terminals of the projection from the superior colliculus to the olivary pretectal nucleus in the rat. Lieberman AR, et al. **Neurosci Lett** 1985 May 14;56(2):235-9

Quantitative analysis of the topographical organization of olivocerebellar projections in the rat. Payne JN, et al. **Neuroscience** 1985 Jun;15(2):403-15

[The dento-olivary pathway: demonstration, course and significance] Lapresle J. **Bull Acad Natl Med (Paris)** 1984 Mar-Apr;168(3-4):336-41 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Infarction of the olivary area of the medulla oblongata] de Smet Y, et al. **Rev Neurol (Paris)** 1984;140(10):559-66 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Decreased number of cells in the inferior olivary nucleus of the developing staggerer mouse. Shojaeian H, et al. **Brain Res** 1985 Jul;353(1):141-6

DRUG EFFECTS

Inferior olivary neurons: 3-acetylpyridine effects on glucose consumption, axonal transport, electrical activity and harmaline-induced tremor. Bernard JF, et al. **Brain Res** 1984 Nov 26;322(2):382-7

Harmaline induced tremor. III. A combined simple units, horseradish peroxidase, and 2-deoxyglucose study of the olivocerebellar system in the rat. Bernard JF, et al. **Exp Brain Res** 1984;57(1):128-37

Drug-induced activation of the inferior olivary nucleus in young rabbits. Differential effects of harmaline and quipazine. Barragan LA, et al. **Neuropharmacology** 1985 Jul;24(7):645-54

Inferior olivary lesions after local injections of 3-acetylpyridine in rabbits. Balaban CD. **Neurosci Res** 1984 Jun;1(3):199-205

EMBRYOLOGY

[Morphologic characteristics of the olivary complex during its ontogenesis in man] Gudović R, et al. **Med Pregl** 1984;37(3-4):127-30 (Eng. Abstr.) **(Ser)**

ENZYMOLOGY

Histochemical localization of acetylcholinesterase in the cochlear and superior olivary nuclei. A reappraisal with emphasis on the cochlear granule cell system. Osen KK, et al. **Arch Ital Biol** 1984 Sep;122(3):169-212

GROWTH & DEVELOPMENT

Allometric characteristics of the developing inferior olivary nucleus of the kitten. Polistina DC, et al. **Brain Behav Evol** 1984;25(4):225-32

Postnatal development of the inferior olivary complex in the rat. III. A morphometric analysis of volumetric growth and neuronal cell number. Bourrat F, et al. **Brain Res** 1984 Nov;318(2):241-51

Neuronal death and synapse elimination in the olivocerebellar system. I. Cell counts in the inferior olive of developing rats. Delhaye-Bouchaud N, et al. **J Comp Neurol** 1985 Feb 15;232(3):299-308

Neuronal death and synapse elimination in the olivocerebellar system. II. Cell counts in the inferior olive of adult x-irradiated rats and weaver and reeler mutant mice. Shojaeian H, et al. **J Comp Neurol** 1985 Feb 15;232(3):309-18

METABOLISM

Several distinct receptor binding enkephalins in olivocochlear fibers and terminals in the organ of Corti. Hoffman DW, et al. **Brain Res** 1984 Nov 19;322(1):59-65

Reduced density of sodium-dependent [3H]hemicholinium-3 binding sites in the anterior cerebral cortex of rats following chemical destruction of the nucleus basalis magnocellularis. Vickroy TW, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):369-70

The distribution and synaptic organization of serotoninergic elements in the inferior olivary complex of the opossum. King JS, et al. **J Comp Neurol** 1984 Aug 10;227(3):357-68

Selective retrograde labelling of the rat olivocerebellar climbing fiber system with D-[3H]aspartate. Wiklund L, et al. **Neuroscience** 1984 Oct;13(2):441-68

PATHOLOGY

Neuronal loss in the basal nucleus of Meynert in a patient with olivopontocerebellar atrophy. Tagliavini F, et al. **Acta Neuropathol (Berl)** 1985;66(2):127-33

Adrenoleukodystrophy: a clinical variant presenting as olivopontocerebellar atrophy. Ohno T, et al. **J Neurol** 1984; 231(4):167-9

[Progressive degenerative myoclonic epilepsy. Systematized olivo-cerebellar lesions] Habib M, et al. **Rev Neurol (Paris)** 1985;141(4):274-88 (Eng. Abstr.) **(Fre)**

[Clinical application of thyrotropin-releasing hormone to neurogenic bladder caused by olivo-ponto-cerebellar atrophy] Murayama K, et al. **Hinyokika Kiyo** 1985 Mar; 31(3):495-8 (Eng. Abstr.) **(Jpn)**

[Early and fundamental pathological changes of the human olivary hypertrophy] Okamoto K, et al. **Rinsho Shinkeigaku** 1984 Nov;24(11):1173-80 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Electrophysiological and HRP studies on feedback loop between inferior olivary nucleus and lateral vestibular nucleus in the cat. Ito J, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;419:106-14

Effects of unilateral lesion of the inferior olive on L-[3H] aspartate receptors binding in synaptic membranes of cat cerebellar cortex. D'Ascanio P, et al. **Arch Ital Biol** 1985 Feb;123(1):13-26

Electrophysiological analysis of the tecto-olivocerebellar (lobule VII) projection in the rat. Akaike T. **Brain Res** 1985 Aug 12;340(2):369-72

Intra- and extracranially recorded auditory evoked potentials in the cat. I. Source location and binaural interaction. Caird D, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul; 61(1):50-60

Luminance and darkness detectors in the olivary and posterior pretectal nuclei and their relationship to the pupillary light reflex in the rat. I. Studies with steady luminance levels. Clarke RJ, et al. **Exp Brain Res** 1985; 57(2):224-32

On the Purkinje cell activity increase induced by suppression of inferior olive activity. Savio T, et al. **Exp Brain Res** 1985;57(3):456-63

Low frequency neurons in the lateral central nucleus of the cat inferior colliculus receive their input predominantly from the medial superior olive. Aitkin L, et al. **Hear Res** 1985 Jan;17(1):87-93

Responses elicited from medial superior olivary neurons by stimuli associated with binaural masking and unmasking. Langford TL. **Hear Res** 1984 Jul;15(1):39-50

The effects of ipsilateral tone burst stimulus level on the discharge patterns of cat lateral superior olivary units. Tsuchitani C, et al. **J Acoust Soc Am** 1985 Apr; 77(4):1484-96

Inferior olivary neurons in the awake cat: detection of contact and passive body displacement. Gellman R, et al. **J Neurophysiol** 1985 Jul;54(1):40-60

Interaural time and intensity coding in superior olivary complex and inferior colliculus of the echolocating bat Molossus ater. Harnischfeger G, et al. **J Neurophysiol** 1985 Jan;53(1):89-109

Efferent control of cochlear inner hair cell responses in the guinea-pig. Brown MC, et al. **J Physiol (Lond)** 1984 Sep; 354:625-46

A specific harmaline-evoked increase in cerebellar 5'-nucleotidase activity. Balaban CD, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):111-6

Collateralized projection of visual climbing fibers to the flocculus and nodulus of the rabbit. Takeda T, et al. **Neurosci Res** 1984 Dec;2(1-2):125-32

Influence of TR2515, a serotonin antagonist, on the electrical and behavioral effects induced by stimulation of the olivo-cerebellar system. Barragan LA, et al. **Proc West Pharmacol Soc** 1984;27:329-32

[Long-term changes in the activity of Purkinje cells and efferent cerebellar neurons following bilateral destruction of the inferior olive] Batini C, et al. **C R Acad Sci** [III] 1984;299(12):521-4 (Eng. Abstr.) **(Fre)**

[Antidromal activation and synaptic processes of Deiters nucleus induced by stimulation of the inferior olive and reticular nucleus of the pontine tegmentum] Fanardzhian VV, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1116-24 (Eng. Abstr.) **(Rus)**

[Characteristics of the connections of superior olivary and inferior collicular neurons reacting to the presentation of amplitude-modulated stimuli with synchronized discharges in the bat] Andreeva NG, et al. **Neirofiziologiia** 1984; 16(6):800-7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Inferior olive destruction induces dysfacilitation of the red nucleus activity. Billard JM, et al. **Brain Res** 1985 Jun 17; 336(2):372-5

Neurophysiologic study of olivopontocerebellar atrophy with or without glutamate dehydrogenase deficiency. Chokroverty S, et al. **Neurology** 1985 May;35(5):652-9

ULTRASTRUCTURE

Aging in the rat medial nucleus of the trapezoid body. II. Electron microscopy. Casey MA, et al. **J Comp Neurol** 1985 Feb 15;232(3):401-13

OLIVOMYCINS

IMMUNOLOGY

[Immunosuppressive properties of olivomycin] Vatin OE. **Antibiot Med Biotekhnol** 1985 Feb;30(2):119-22 (Eng. Abstr.) **(Rus)**

METABOLISM

[Stereochemistry and kinetics of interaction with DNA of the antineoplastic antibiotic olivomycin] Brikenshtein VKh, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1606-16 (Eng. Abstr.) **(Rus)**

TOXICITY

Species-specific differences in the toxicity and mutagenicity of the anticancer drugs mithramycin, chromomycin A3, and olivomycin. Singh B, et al. **Cancer Res** 1985 Jun; 45(6):2813-20

OMEGA PROTEINS see **DNA UNTWISTING PROTEINS**

OMENTUM

Epiploic disorders. Conditions of the epiploic appendages. Carmichael DH, et al. **Arch Surg** 1985 Oct;120(10):1167-72

Strangulated omental hernia of the falciform ligament. Crawford R, et al. **Br J Surg** 1985 Jun;72(6):444

Abnormal location of a missing copper 7 intrauterine contraceptive device. Okunna EN, et al. **East Afr Med J** 1984 Aug;61(8):645-7

Secondary involvement of the transverse colon by tumors of the pelvis: spread of malignancies along the greater omentum. Krestin GP, et al. **Gastrointest Radiol** 1985; 10(3):283-8

Primary omental torsion presenting as acute peritonitis [letter] Chaudhary A, et al. **Indian J Gastroenterol** 1985 Jan;4(1):53

A misplaced intrauterine device: a case report. Nguma M, et al. **Int J Gynaecol Obstet** 1984 Oct;22(5):421-4

Coexistent benign teratomas of the omentum and ovary. A case report. Compton AA, et al. **J Reprod Med** 1985 Mar; 30(3):209-10

Omental oxyuriasis: case report. Reyes CV, et al. **Milit Med** 1984 Dec;149(12):682-3

Early application of pedicled omentum to the acutely traumatised spinal cord. Goldsmith HS, et al. **Paraplegia** 1985 Apr;23(2):100-12

Massive ascites due to omental endometriosis. Naraynsingh V, et al. **Postgrad Med J** 1985 Jun;61(716):539-40

[Echographic and angiographic aspect of an unusual abdominal tumor. Neurinoma of the lesser omentum] Sellami M, et al. **Ann Radiol (Paris)** 1984 Nov;27(7):614-6 (Eng. Abstr.) **(Fre)**

[Ileus in cystic lymphangioma of the omentum] Schneider B, et al. **Chirurg** 1985 May;56(5):347-9 **(Ger)**

[Torsion of the greater omentum. Presentation of 2 cases] Mongiardini P, et al. **Minerva Chir** 1984 Jul 15-31; 39(13-14):1057-8 (Eng. Abstr.) **(Ita)**

[Rare case of double cyst of the omentum] Danti DA, et al. **Pediatr Med Chir** 1984 Jan-Feb;6(1):155-6 (Eng. Abstr.) **(Ita)**

[A case of omental malignant schwannoma presenting as a huge abdominal tumor] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Sep;81(9):2053-6 **(Jpn)**

[Torsion of the greater omentum] Dabrowski A, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:289-91 (Eng. Abstr.) **(Pol)**

[Pheochromocytoma with extra-adrenal localization associated with neurofibromatosis] Mizan K, et al. **Pol Tyg Lek** 1984 Jun 11;39(24):833-5 (Eng. Abstr.) **(Pol)**

[Primary hydatid cyst of the great epiploon with spontaneous rupture. Hydatid peritonitis] Ionescu A, et al. **Rev Chir [Chir]** 1985 Jan-Feb;34(1):53-6 (Eng. Abstr.) **(Rum)**

[Torsion of the greater omentum in a child] Batrov GG, et al. **Khirurgiia (Mosk)** 1984 Dec;(12):123 **(Rus)**

[Diseases of the epiploic appendages] Korite VP. **Khirurgiia (Mosk)** 1984 Dec;(12):26-8 (Eng. Abstr.) **(Rus)**

[Torsion of the greater omentum] Koval'chuk ID, et al. **Klin Khir** 1985 May;(5):63-4 **(Rus)**

[Acute omentitis in a child] Kukharenko SD, et al. **Vestn Khir** 1984 Dec;133(12):71 **(Rus)**

[Lymphangiomas of the omentum in children] Kushch NL, et al. **Vestn Khir** 1985 May;134(5):101-5 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Anatomy and imaging of the lesser peritoneal sac. Dodds WJ, et al. **AJR** 1985 Mar;144(3):567-75

Lesser omental thickness in normal children: baseline for detection of portal hypertension. Patriquin H, et al. **AJR** 1985 Oct;145(4):693-6

BLOOD SUPPLY

Angiography of omental mesothelioma. Marini K, et al. **AJR** 1984 Nov;143(5):1075-7

Microcirculatory disorders in congenital heart diseases with insufficient or relatively excess blood supply to the greater circulation. Nikolaeva TN. **Cor Vasa** 1985;27(1):68-77

Arterioportal fistula as cause of hypertension. Pang D. **Mt Sinai J Med (NY)** 1984 Sep;51(5):644-6

Segmental infarction of the omentum: diagnosis by ultrasound. Naraynsingh V, et al. **Postgrad Med J** 1985 Jul;61(717):651-2

Morphology and angiotensin II responsiveness of isolated resistance vessels from patients with pre-eclampsia. Aalkjaer C, et al. **Scand J Clin Lab Invest [Suppl]** 1984; 169:57-60

[Acute omental infection] Willis E. **Ugeskr Laeger** 1984 Apr 30;146(18):1365-6 (Eng. Abstr.) **(Dan)**

[Idiopathic segmental infarction of the greater omentum] Rosén L. **Tidsskr Nor Laegeforen** 1985 Feb 20;105(5):361 (Eng. Abstr.) **(Nor)**

CYTOLOGY

Cigarette smoke-induced injury of peritoneal mesothelial cells. Pittilo RM, et al. **Br J Exp Pathol** 1985 Jun; 66(3):365-70

The involvement of omentum and its milky spots in the dynamics of peritoneal macrophages. Mandache E, et al. **Morphol Embryol (Bucur)** 1985 Apr-Jun;31(2):137-42

EMBRYOLOGY

[Spatial organization of the lesser peritoneal sac during the early stages of human ontogeny] Krutsiak VN, et al. **Arkh Anat Gistol Embriol** 1984 Dec;87(12):46-54 (Eng. Abstr.) **(Rus)**

INJURIES

Omental injury in a hernial sac. Sharma AK, et al. **Injury** 1985 Jul;16(7):493

METABOLISM

Lipid angiogenic factor from omentum. Goldsmith HS, et al. **JAMA** 1984 Oct 19;252(15):2034-6

PATHOLOGY

Elastofibroma of the greater omentum. Tsutsumi A, et al. **Acta Pathol Jpn** 1985 Jan;35(1):233-41

RADIOGRAPHY

Omental cakes: colonic involvement by omental metastases. Rubesin SE, et al. **Radiology** 1985 Mar;154(3):593-6

SURGERY

Obliteration of the pelvic space with pedicled omentum after excision of the rectum for cancer. Moreaux J, et al. **Am J Surg** 1984 Nov;148(5):640-4

Operative treatment for radiation-induced and metastatic brachial plexopathy in 45 cases, 15 having an omentoplasty. Narakas AO. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall; 44(2):354-75

Construction of an omental envelope as a method of excluding the small intestine from the field of postoperative irradiation to the pelvis. DeLuca FR, et al. **Surg Gynecol Obstet** 1985 Apr;160(4):365-6

['Dish-opening' of the omental pouch in the treatment of hemorrhagic necrotizing pancreatitis] Wu D, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jan;23(1):19-21, 62 (Eng. Abstr.) **(Chi)**

[Use of the great epiploon in the treatment of complex vesico- and urethro-vaginal fistulae] Janez J. **Ann Urol (Paris)** 1985;19(4):267-8 (Eng. Abstr.) **(Fre)**

[Autotransplantation of splenic parenchyma] Badowski A, et al. **Wiad Lek** 1984 Jun 15;37(12):948-54 (Eng. Abstr.) **(Pol)**

[Surgical treatment of tuberculosis of the lymph nodes located in the posterior wall of the omental bursa] Nigai GA, et al. **Probl Tuberk** 1984 Jul;(7):30-2 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Experimental study on preserved rabbit omentum allografts with skin autograft for repair of certain ischemic wound surfaces. Hu CG, et al. **Acta Acad Med Wuhan** 1985; 5(1):44-7

Vascularization of brain and spinal cord by intact omentum. Goldsmith HS, et al. **Appl Neurophysiol** 1984;47(1-2):57-61

A modified halo frame to assist omentum transfer to the scalp. Sandow MJ, et al. **Br J Plast Surg** 1985 Apr;38(2):288-91

Replacement of ureteric segments by intubated neo-ureterotomies (modified Davis technique) using autologous bladder and omentum in dogs. Gardiner RA, et al. **Br J Urol** 1984 Aug;56(4):354-8

Use of autogenous omentum for grafting electrical injury affecting the scalp and skull. Sun YH, et al. **Burns Incl Therm Inj** 1985 Apr;11(4):289-92

Omental protection of autogenous arterial reconstruction following femoral prosthetic graft infection. Mendes D, et al. **J Vasc Surg** 1985 Jul;2(4):603–6

Abdominal omentum transfer and the nervous system [letter] Goldsmith HS. **Lancet** 1985 Jun 29;1(8444):1514

Greater omentum for vascular supply to free flaps [letter] van Twisk R. **Plast Reconstr Surg** 1985 Apr;75(4):606–7

CT appearance of omental packs. Sefczek RJ, et al. **Radiology** 1985 Aug;156(2):472

The repair of vesicovaginal fistulas with omentum. A review of 59 cases. Orford HJ, et al. **S Afr Med J** 1985 Jan 26; 67(4):143–4

The omentum in malignant diseases. Abbott WC, et al. **Semin Surg Oncol** 1985;1(2):57–73

[Nursing of patients undergoing transplantation of the pedicled greater omentum to the brain] Liu LZ. **Chung Hua Hu Li Tsa Chih** 1985 Feb;20(1):27–8 **(Chi)**

[Nursing in the surgery of omental transplants to the brain] Yang JW. **Chung Hua Hu Li Tsa Chih** 1985 Jun;20(3):144–5 **(Chi)**

[Omentoplasty of residual cavities of the liver] Askerkhanov RP. **Khirurgiia (Mosk)** 1984 Jul;(7):67–71 (Eng. Abstr.) **(Rus)**

OMP PROTEINS see **BACTERIAL OUTER MEMBRANE PROTEINS**

OMPHALOCELE see **HERNIA, UMBILICAL**

OMPHALOMESENTERIC DUCT see **VITELLINE DUCT**

ON-LINE SYSTEMS see **ONLINE SYSTEMS**

ONCHOCERCA

Onchocerciasis in Venezuela: prevalence of microfilaraemia in Amerindians and morphological characteristics of the microfilariae from the Upper Orinoco Focus. Botto C, et al. **Tropenmed Parasitol** 1984 Sep;35(3):167–73

ANATOMY & HISTOLOGY

The significance of morphological studies on macrofilariae from onchocerciasis patients for the evaluation of control measures. Büttner DW. **Trop Med Parasitol** 1985;36 Suppl 1:2–4

DRUG EFFECTS

Study on the activity of antiparasitic agents against Onchocerca lienalis third stage larvae in vitro. Court JP, et al. **Trop Med Parasitol** 1985 Jun;36(2):117–9

ENZYMOLOGY

Differentiation of Onchocerca gutturosa and O. lienalis microfilariae by analysis of their GPI isoenzymes. Flockhart HA, et al. **J Helminthol** 1985 Jun;59(2):187–9

Isozyme study of Onchocerca volvulus and Onchocerca gutturosa in Guatemala. Agatsuma T, et al. **J Parasitol** 1985 Jun;71(3):370–3

Dolichol kinase in Ascaris suum and Onchocerca volvulus. Walter RD, et al. **Mol Biochem Parasitol** 1985 Feb; 14(2):211–7

Parasite-specific inhibition of 5'-nucleotidase from Onchocerca volvulus and Dirofilaria immitis by the amoscanate-derivative CGP 8065. Walter RD, et al. **Mol Biochem Parasitol** 1985 Aug;16(2):109–15

GENETICS

Chromosomes of Onchocerca volvulus and O. gutturosa. Hirai H, et al. **Z Parasitenkd** 1985;71(1):135–9

GROWTH & DEVELOPMENT

The gonotrophic cycle of wild Simulium ochraceum and the associated development of Onchocerca volvulus. Porter CH, et al. **Am J Trop Med Hyg** 1985 Mar;34(2):302–9

Development of infective larvae of Onchocerca volvulus in diffusion chambers implanted into Mastomys natalensis. Strote G. **Trop Med Parasitol** 1985 Jun;36(2):120–2

Blood meal enhanced onchocerca development and its correlation with fecundity in laboratory reared blackflies (Diptera, Simuliidae). Ham PJ, et al. **Tropenmed Parasitol** 1984 Dec;35(4):212–6

Development of onchocerca lienalis and O. volvulus from the third to fourth larval stage in vitro. Lok JB, et al. **Tropenmed Parasitol** 1984 Dec;35(4):209–11

IMMUNOLOGY

Comparison of heterologous adult Brugia malayi and homologous Onchocerca volvulus antigen in the enzyme-linked immunosorbent assay (ELISA) for Guatemalan onchocerciasis. Lujan R, et al. **J Parasitol** 1984 Jun;70(3):385–90

Immunochemical comparison between worm extracts of Onchocerca volvulus from savanna and rain forest. Lobos E, et al. **Parasite Immunol** 1985 May;7(3):333–47

Identification of an antigen of Onchocerca volvulus of possible diagnostic use. Philipp M, et al. **Parasitology** 1984 Oct;89 (Pt 2):295–309

Onchocerca volvulus: transplantation of adult worms into chimpanzees. Prince AM, et al. **Trop Med Parasitol** 1985 Jun;36(2):105–8

Immunity to onchocerca lienalis microfilariae in mice. I. Resistance induced by the homologous parasite. Townson S, et al. **Tropenmed Parasitol** 1984 Dec;35(4):202–8

ISOLATION & PURIFICATION

A field method for the procurement of infective larvae of Onchocerca volvulus. Barbiero VK, et al. **Am J Trop Med Hyg** 1985 Jul;34(4):731–4

Isolation and purification of microfilariae from nodules of Onchocerca volvulus [letter] Taylor DW, et al. **Trans R Soc Trop Med Hyg** 1984;78(5):707–8

Effects of a single complete nodulectomy on nodule burden and microfilarial density two years later. Albiez EJ. **Trop Med Parasitol** 1985 Mar;36(1):17–20

PHYSIOLOGY

Peritrophic membrane formation in three temperate simuliids, Simulium ornatum, S. equinum and S. lineatum, with respect to the migration of onchocercal microfilariae. Reid GD, et al. **Ann Trop Med Parasitol** 1984 Oct;78(5):527–39

Modelling the migration of Onchocerca volvulus in simuliids, using a simple compartmental process. Jerwood D, et al. **Biometrics** 1984 Jun;40(2):313–22

Studies on nodules and adult Onchocerca volvulus during a nodulectomy trial in hyperendemic villages in Liberia and Upper Volta. II. Comparison of the macrofilaria population in adult nodule carriers. Albiez EJ, et al. **Tropenmed Parasitol** 1984 Sep;35(3):163–6

ONCHOCERCIASIS

[Robles' disease (onchocerciasis). Presentation of the first confirmed case in Ecuador] Carvajal Huerta L, et al. **Med Cutan Ibero Lat Am** 1984;12(4):301–10 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Conjunctival nodules associated with onchocerciasis. Semba RD, et al. **Arch Ophthalmol** 1985 Jun;103(6):823–4

Blackfly bites, onchocerciasis and leopard skin. Connor DH, et al. **Trans R Soc Trop Med Hyg** 1985;79(3):415–7

DIAGNOSIS

Fluctuation of ELISA and skin biopsy results in individual inhabitants re-examined after several months in the endemic area of Guatemalan onchocerciasis. Ito M, et al. **Ann Trop Med Parasitol** 1984 Oct;78(5):553–5

Comparison of heterologous adult Brugia malayi and homologous Onchocerca volvulus antigen in the enzyme-linked immunosorbent assay (ELISA) for Guatemalan onchocerciasis. Lujan R, et al. **J Parasitol** 1984 Jun;70(3):385–90

Identification of an antigen of Onchocerca volvulus of possible diagnostic use. Philipp M, et al. **Parasitology** 1984 Oct;89 (Pt 2):295–309

Ocular onchocerciasis. Diagnosis and current clinical approaches. O'Day J, et al. **Trop Doct** 1985 Apr;15(2):87–94 (25 ref.)

Are we missing cases of onchocerciasis? Pearson CA. **Trop Doct** 1985 Jul;15(3):140–1

The statistical analysis of microfilarial skin snip counts: stabilization of the variance of microfilarial counts. Auer CL, et al. **Tropenmed Parasitol** 1984 Dec;35(4):199–201

[A clinical case of ocular onchocerciasis: clinical, angiofluorographic and developmental aspects] Giovannini A, et al. **J Fr Ophtalmol** 1984;7(4):285–90 (Eng. Abstr.) **(Fre)**

[Severe eye lesions in a hyperendemic onchocerciasis area of the Savanna (Upper Volta)] Grüntzig J, et al. **Fortschr Ophthalmol** 1984;81(4):391–4 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

The Mazzotti reaction following treatment of onchocerciasis with diethylcarbamazine: clinical severity as a function of infection intensity. Francis H, et al. **Am J Trop Med Hyg** 1985 May;34(3):529–36

The chemotherapy of onchocerciasis X. An assessment of four single dose treatment regimes of MK-933 (ivermectin) in human onchocerciasis. Awadzi K, et al. **Ann Trop Med Parasitol** 1985 Feb;79(1):63–78

Recent developments in the treatment of onchocerciasis. Taylor HR. **Bull WHO** 1984;62(4):509–15

Ivermectin in onchocerciasis [editorial] **Lancet** 1984 Nov 3; 2(8410):1021

Ivermectin in onchocerciasis [letter] Awadzi K, et al. **Lancet** 1984 Oct 20;2(8408):921

Double-blind study of ivermectin and diethylcarbamazine in African onchocerciasis patients with ocular involvement. Lariviere M, et al. **Lancet** 1985 Jul 27;2(8448):174–7

Comparison of ivermectin and diethylcarbamazine in the treatment of onchocerciasis. Greene BM, et al. **N Engl J Med** 1985 Jul 18;313(3):133–8

Fluorescein angiographic studies of mebendazole treatment for onchocerciasis. Taylor HR, et al. **Trop Med Parasitol** 1985 Mar;36(1):7–11

[Pharmacokinetics of anti-onchocerciasis preparations. 1. Suramin in standard and decreased doses] Ovusu A, et al. **Med Parazitol (Mosk)** 1984 Sep–Oct;(5):40–4 (Eng. Abstr.) **(Rus)**

[Recent investigations in the chemotherapy of onchocerciasis] Domínguez Vázquez A, et al. **Salud Publica Mex** 1985 Jan–Feb;27(1):21–30 (Eng. Abstr.) **(Spa)**

HISTORY

Onchocerciasis in Mexico and Guatemala. Torroella JJ. **Trop Doct** 1985 Apr;15(2):83–7

IMMUNOLOGY

Immunochemical comparison between worm extracts of Onchocerca volvulus from savanna and rain forest. Lobos E, et al. **Parasite Immunol** 1985 May;7(3):333–47

Successful application of the diffusion-in-gel-enzyme-linked immunosorbent assay (DIG-ELISA) in onchocerciasis. Gómez-Priego A, et al. **Trans R Soc Trop Med Hyg** 1985; 79(2):159–61

Serum immunoglobulin E levels in onchocerciasis: the development of a radioallergosorbent test for Onchocerca volvulus infection. Titanji VP, et al. **Trop Med Parasitol** 1985 Mar;36(1):12–6

Immunity to onchocerca lienalis microfilariae in mice. I. Resistance induced by the homologous parasite. Townson S, et al. **Tropenmed Parasitol** 1984 Dec;35(4):202–8

METABOLISM

Dermal deposition of eosinophil-granule major basic protein in atopic dermatitis. Comparison with onchocerciasis. Leiferman KM, et al. **N Engl J Med** 1985 Aug 1; 313(5):282–5

OCCURRENCE

Parasitologic survey of onchocerciasis (river blindness) in Babana District, Kwara State, Nigeria. Edungbola LD, et al. **Am J Trop Med Hyg** 1984 Nov;33(6):1147–54

Seroepidemiological investigations of onchocerciasis in a hyperendemic area of West Africa. Karam M, et al. **Am J Trop Med Hyg** 1985 Sep;34(5):907–17

A method for estimating incidence rates of onchocerciasis from skin-snip biopsies with consideration of false negatives. Yanagawa T, et al. **Biometrics** 1984 Jun; 40(2):301–11

Onchocerciasis in Venezuela: prevalence of microfilaraemia in Amerindians and morphological characteristics of the microfilariae from the Upper Orinoco Focus. Botto C, et al. **Tropenmed Parasitol** 1984 Sep;35(3):167–73

PARASITOLOGY

The significance of morphological studies on macrofilariae from onchocerciasis patients for the evaluation of control measures. Büttner DW. **Trop Med Parasitol** 1985;36 Suppl 1:2–4

Studies on nodules and adult Onchocerca volvulus during a nodulectomy trial in hyperendemic villages in Liberia and Upper Volta. II. Comparison of the macrofilaria population in adult nodule carriers. Albiez EJ, et al. **Tropenmed Parasitol** 1984 Sep;35(3):163–6

PATHOLOGY

Chorioretinal damage in onchocerciasis [letter] Murphy RP, et al. **Am J Ophthalmol** 1984 Oct 15;98(4):519–21

Pigmented basal cell epithelioma arising in the scar of an onchocerciasis nodule. Aram H, et al. **Int J Dermatol** 1984 Dec;23(10):658–60

[Granulomatous and eosinophilic myositis due to Onchocerca volvulus] Neumann H, et al. **Pathologe** 1985 Mar;6(2):101–7 **(Ger)**

[Case of onchocerciasis in surgical practice] Mikhailova VA, et al. **Med Parazitol (Mosk)** 1984 Jul–Aug;(4):79–82 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Onchocerciasis now [editorial] Bell D. **Br Med J [Clin Res]** 1985 May 18;290(6480):1450–1

Cost-effectiveness of blindness prevention by the Onchocerciasis Control Programme in Upper Volta. Prost A, et al. **Bull WHO** 1984;62(5):795–802

A review of temephos with particular reference to the West African Onchocerciasis Control Program. Opong-Mensah K. **Residue Rev** 1984;91:48–69 (124 ref.)

The economics of blindness prevention in Upper Volta under the Onchocerciasis Control Program. Prescott N, et al. **Soc Sci Med** 1984;19(10):1051–5

TRANSMISSION

Studies on the biology of Simuliidae (Diptera) at the Santiago onchocerciasis focus in Ecuador, with special reference to the vectors and disease transmission. Shelley AJ, et al. **Trans R Soc Trop Med Hyg** 1985;79(3):328–38

[Recent findings on the transmission of onchocerciasis in Kinsuka, Kinshasa, Zaire] Henry MC, et al. **Ann Soc Belg Med Trop** 1984 Sep;64(3):267–81 (Eng. Abstr.) **(Fre)**

[Vectors of human onchocerciasis in the neotropical region] Ramírez Pérez J. **Bol Of Sanit Panam** 1985 Feb; 98(2):117–35 (Eng. Abstr.) **(Spa)**

VETERINARY

Onchocerca cervicalis in horses: dermal histopathology.

Schmidt GM, et al. **Acta Trop (Basel)** 1985 Mar;42(1):55–61

Onchocerca armillata: prevalence and pathology in Sudanese cattle. Atta el Mannan AM, et al. **Ann Trop Med Parasitol** 1984 Dec;78(6):619–25

Onchocerca gibsoni in the brisket of cattle. Holdsworth PA, et al. **Aust Vet J** 1985 Jan;62(1):26–7

Prevalence of equine onchocerciasis in southeastern and midwestern United States. Cummings E, et al. **J Am Vet Med Assoc** 1985 Jun 1;186(11):1202–3

Onchocerca raillieti: prevalence and pathology in Sudanese donkeys. Hussein HS, et al. **J Comp Pathol** 1985 Jul;95(3):345–51

Onchocerciasis in camels (Camelus dromedarius) in Saudi Arabia. Cheema AH, et al. **J Helminthol** 1984 Dec;58(4):279–85

Onchocerca lesions in moose (Alces alces L.). Ronéus O, et al. **Nord Vet Med** 1984 Nov–Dec;36(11):367–70

ONCOGENES

Proto–onc gene products as differentiation antigens (a review). Földes I, et al. **Acta Microbiol Hung** 1984;31(4):325–34 (128 ref.)

Xiphophorus as an in vivo model for studies on normal and defective control of oncogenes. Anders F, et al. **Adv Cancer Res** 1984;42:191–275 (264 ref.)

Retroviruses as chromosomal genes in the mouse. Kozak CA. **Adv Cancer Res** 1985;44:295–336 (237 ref.)

The complexity of virus—cell interactions in Abelson virus infection of lymphoid and other hematopoietic cells. Whitlock CA, et al. **Adv Immunol** 1985;37:73–98 (127 ref.)

Oncogenes, ions, and phospholipids. Macara IG. **Am J Physiol** 1985 Jan;248(1 Pt 1):C3–11 (93 ref.)

Growth factors, oncogenes, and lung cancer. Miller YE. **Am Rev Respir Dis** 1985 Jul;132(1):178–9

NIH conference. Molecular genetic analysis of human lymphoid neoplasms. Immunoglobulin genes and the c–myc oncogene. Waldmann TA, et al. **Ann Intern Med** 1985 Apr;102(4):497–510 (108 ref.)

The molecular genetics of cellular oncogenes. Varmus HE. **Annu Rev Genet** 1984;18:553–612 (261 ref.)

The relation of oncogenesis and cytogenetics in leukemia and lymphoma. Pearson M, et al. **Annu Rev Med** 1985;36:471–83 (42 ref.)

Two oncogenes in avian carcinoma virus MH2: myc and mht. Papas TS, et al. **Anticancer Res** 1985 Jan–Feb;5(1):73–9

Multiple transcriptional activation of cellular oncogenes in human head and neck solid tumours. Spandidos DA, et al. **Anticancer Res** 1985 Mar–Apr;5(2):221–4

Heterogeneity of cell lines derived after transformation of early passage rodent cells by the Ha–ras1 human oncogene. Spandidos DA, et al. **Anticancer Res** 1985 Jul–Aug;5(4):387–91

Human malignant tumours of the breast, as compared to their respective normal tissue, have elevated expression of the Harvey ras oncogene. Spandidos DA, et al. **Anticancer Res** 1984 Jul–Oct;4(4–5):269–72

Growth factors, oncogenes and transformation. Part I: Growth factors and cell cycle control. Paul D. **Arzneimittelforschung** 1985;35(4):772–9 (189 ref.)

Oncogenes. Adams JM. **Aust J Biol Sci** 1984;37(5–6):303–5 (10 ref.)

The isolation and characterization of the Blym–1 transforming gene. Diamond A, et al. **Basic Life Sci** 1985;33:141–52

Retroviral oncogenes and human neoplasia. Reddy EP. **Basic Life Sci** 1985;33:153–68

Site–specific antibodies to the erbB oncogene product immunoprecipitate epidermal growth factor receptor. Akiyama T, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):797–802

Involvement of protease in L–glutamine control of nucleic acid and polyphosphate metabolism in cells transformed by 9,10–dimethyl–1,2–benzanthracene, SV40 and H–ras oncogene. Deffie AM, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):6–13

Human leukemia K562 cells: relationship between hemin–mediated erythroid induction, cell proliferation and expression of c–abl and c–myc oncogenes. Gambari R, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):90–6

Activation of the c–K–ras oncogene in a human pancreas carcinoma. Hirai H, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):168–74

The association of human c–Ha–ras sequences with chromatin and nuclear proteins. Kasid UN, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):226–32

Effect of divalent metal ions and glycerol on the GTPase activity of H–ras proteins. Manne V, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1440–6

Amplified DNA sequences in cancers. Nakatani H, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):508–14

Development of transformed phenotype induced by a human ras oncogene is inhibited by interferon. Samid D, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):509–16

Molecular cloning and characterization of a cDNA clone for a protein specifically expressed in embryo as well as in a chemically induced pancreatic B cell tumor of rat. Soma G, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):164–71

Studies on four cellular proto–oncogenes and their expression in PCC4 embryonal carcinoma cells: amplification of c–Ki–ras oncogene. Vilette D, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):513–9

Methylation of the serum albumin gene as compared to the Kirsten–ras oncogene in hepatocytes and non–parenchymal cells of rat liver. Vorce RL, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):879–83

Human c–myc and N–ras expression during induction of HL–60 cellular differentiation. Watanabe T, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):999–1005

Adenovirus: transformation and oncogenicity. Bernards R, et al. **Biochim Biophys Acta** 1984 Dec 14;783(3):187–204 (155 ref.)

Characterization of the feline c–abl proto–oncogene. Schalken JA, et al. **Biochim Biophys Acta** 1985 Feb 20;824(2):104–12

Comparative analysis of the human and feline c–sis proto–oncogenes. Identification of 5' human c–sis coding sequences that are not homologous to the transforming gene of simian sarcoma virus. van den Ouweland AM, et al. **Biochim Biophys Acta** 1985 Jun 24;825(2):140–7

Partial sequence homologies between cytoskeletal proteins, c–myc, Rous sarcoma virus and adenovirus proteins, transducin, and beta– and gamma–crystallins. Crabbe MJ. **Biosci Rep** 1985 Feb;5(2):167–74

Differential expression of the cellular oncogenes c–src and c–yes in embryonal and adult chicken tissues. Gessler M, et al. **Biosci Rep** 1984 Sep;4(9):757–70

Roles of growth factor activities in oncogenesis. Deuel TF, et al. **Blood** 1984 Nov;64(5):951–8

ras Oncogenes and the molecular mechanisms of carcinogenesis. Weinberg RA. **Blood** 1984 Dec;64(6):1143–5

Activation of proto–oncogenes in human leukemias. Bartram CR. **Blut** 1985 Aug;51(2):63–71 (40 ref.)

Transforming ras oncogenes and multistage carcinogenesis. Balmain A. **Br J Cancer** 1985 Jan;51(1):1–7 (44 ref.)

Detection of the c–myc oncogene product in testicular cancer. Sikora K, et al. **Br J Cancer** 1985 Aug;52(2):171–6

Expression of human c–fes onc–gene occurs at detectable levels in myeloid but not in lymphoid cell populations. Ferrari S, et al. **Br J Haematol** 1985 Jan;59(1):21–5

Oncogenes and human cancer. Horwich A. **Br J Hosp Med** 1984 Nov;32(5):262–6

Immunohistochemical detection of the gene product of Rous sarcoma virus in human brain tumors. Takenaka N, et al. **Brain Res** 1985 Jul 1;337(2):201–7

Cytogenetic and molecular biologic alterations in human breast cancer: a review. Trent JM. **Breast Cancer Res Treat** 1985;5(3):221–9 (37 ref.)

Viruses, genes, and cancer. II. Retroviruses and cancer genes. Bishop JM. **Cancer** 1985 May 15;55(10):2329–33

Viruses, genes, and cancer. I. The discovery of cellular oncogenes and their role in neoplasia. Varmus HE. **Cancer** 1985 May 15;55(10):2324–8 (50 ref.)

Del(3)(p13) in B–prolymphocytic leukemia—a new nonrandom chromosomal aberration possibly related to the c–ras oncogene. Juliusson G, et al. **Cancer Genet Cytogenet** 1985 Jan 15;14(3–4):191–5

Cancer genes, multiple primary cancer, and von Hippel–Lindau disease. Lynch HT, et al. **Cancer Genet Cytogenet** 1985 Mar 1;16(1):13–9

Identical chromosome translocations involving the region of the c–myb oncogene in four metastases of a mediastinal teratocarcinoma. Oosterhuis JW, et al. **Cancer Genet Cytogenet** 1985 Feb 1;15(1–2):99–107

Oncogenes and human cancer. Pimentel E. **Cancer Genet Cytogenet** 1985 Jan 15;14(3–4):347–68 (177 ref.)

Mutagenic effects of DNA–containing oncogenic viruses and malignant transformation of mammalian cells. Shapiro NI, et al. **Cancer Genet Cytogenet** 1984 Oct;13(2):167–79

Localization of the oncogene c–Ha–ras1 outside the aniridia–Wilms' tumor–associated deletion of chromosome 11(del 11p13) using somatic cell hybrids. van Kessel AG, et al. **Cancer Genet Cytogenet** 1985 Feb 1;15(1–2):79–84

Oncogene mobility in a human leukemia line HL–60. Wolman SR, et al. **Cancer Genet Cytogenet** 1985 Jun;17(2):133–41

Oncogene expression in rat hepatomas and during hepatocarcinogenesis. Cote GJ, et al. **Cancer Lett** 1985 Mar;26(2):121–7

Sequence homologies in the control regions of c–myc, c–fos, HTLV and the interleukin–2 receptor. Renan MJ. **Cancer Lett** 1985 Aug;28(1):69–76

Somatic cell fusion as a source of genetic rearrangement leading to metastatic variants. Larizza L, et al. **Cancer Metastasis Rev** 1984;3(3):193–222 (202 ref.)

Chemical carcinogenesis and the oncogenes—a Chemical Pathology Study Section Workshop. Bowden GT. **Cancer Res** 1985 Feb;45(2):914–8

Perspectives on clonogenic tumor cells, stem cells, and oncogenes. Buick RN, et al. **Cancer Res** 1984 Nov;44(11):4909–18 (117 ref.)

Stability of c–K–ras amplification during progression in a patient with adenocarcinoma of the ovary. Filmus JE, et al. **Cancer Res** 1985 Sep;45(9):4468–72

Varying degrees of amplification of the N–ras oncogene in the human breast cancer cell line MCF–7. Graham KA, et al. **Cancer Res** 1985 May;45(5):2201–5

Expression of the c–myb oncogene in human small cell lung carcinoma. Griffin CA, et al. **Cancer Res** 1985 Jan;45(1):272–5

Chromatin structure of the c–myc gene in HL–60 cells during alterations of transcriptional activity. Grosso LE, et al. **Cancer Res** 1985 Oct;45(10):5035–41

Transcriptional regulation of c–myc during chemically induced differentiation of HL–60 cultures. Grosso LE, et al. **Cancer Res** 1985 Feb;45(2):847–50

Tumorigenicity and transcriptional modulation of c–myc and N–ras oncogenes in a human hepatoma cell line. Huber BE, et al. **Cancer Res** 1985 Sep;45(9):4322–9

Oncogene activation in human myeloid leukemia. Janssen JW, et al. **Cancer Res** 1985 Jul;45(7):3262–7

Hereditary cancer, oncogenes, and antioncogenes. Knudson AG Jr. **Cancer Res** 1985 Apr;45(4):1437–43

Expression of oncogenes in human leukemias. McClain KL. **Cancer Res** 1984 Nov;44(11):5382–9

Cooperative regulation of c–myc expression in differentiation of human promyelocytic leukemia induced by recombinant gamma–interferon and 1,25–dihydroxyvitamin D3. Matsui T, et al. **Cancer Res** 1985 Sep;45(9):4366–71

Increased level of amplification of the c–myc oncogene in tumors induced in nude mice by a human breast carcinoma cell line. Modjtahedi N, et al. **Cancer Res** 1985 Sep;45(9):4372–9

Production of oncogene–specific proteins and human T–cell leukemia (lymphotropic) retrovirus (HTLV–I) envelope protein in bacteria and its potential for use in human cancers and seroepidemiological surveys. Papas TS, et al. **Cancer Res** 1985 Sep;45(9 Suppl):4568s–4573s

Amplification of the c–myc oncogene in a subpopulation of human small cell lung cancer. Saksela K, et al. **Cancer Res** 1985 Apr;45(4):1823–7

Evidence for multiple steps in neoplastic transformation of normal and preneoplastic Syrian hamster embryo cells following transfection with Harvey murine sarcoma virus oncogene (v–Ha–ras). Thomassen DG, et al. **Cancer Res** 1985 Feb;45(2):726–32

Amplification and elevated expression of c–myc in a chemically induced mouse colon tumor. Yander G, et al. **Cancer Res** 1985 Sep;45(9):4433–8

Genes and signal transduction in tumor promotion: conclusions from studies with promoter resistant variants of JB–6 mouse epidermal cells. Gindhart TD, et al. **Carcinog Compr Surv** 1985;8:341–67

An alternative assay system for the detection of transforming genes. Brown R, et al. **Carcinogenesis** 1984 Oct;5(10):1323–8

Integration of a mutant c–Ha–ras oncogene into C3H/10T1/2 cells and its relationship to tumorigenic transformation. Manoharan TH, et al. **Carcinogenesis** 1985 Sep;6(9):1295–301

Proto–oncogene expression during two–stage carcinogenesis in mouse skin. Toftgard R, et al. **Carcinogenesis** 1985 Apr;6(4):655–7

Autocrine growth induced by src–related oncogenes in transformed chicken myeloid cells. Adkins B, et al. **Cell** 1984 Dec;39(3 Pt 2):439–45

Viral oncogenes. Bishop JM. **Cell** 1985 Aug;42(1):23–38 (221 ref.)

Differential activation of yeast adenylate cyclase by wild–type and mutant RAS proteins. Broek D, et al. **Cell** 1985 Jul;41(3):763–9

Transposition of the immunoglobulin heavy chain enhancer to the myc oncogene in a murine plasmacytoma. Corcoran LM, et al. **Cell** 1985 Jan;40(1):71–9

Down–modulation of an oncogene protein product and reversion of the transformed phenotype by monoclonal antibodies. Drebin JA, et al. **Cell** 1985 Jul;41(3):697–706

Activation of the transformation potential of the cellular fps gene. Foster DA, et al. **Cell** 1985 Aug;42(1):105–15

Expression of the normal human sis/PDGF–2 coding sequence induces cellular transformation. Gazit A, et al. **Cell** 1984 Nov;39(1):89–97

Rearrangements of viral and cellular DNA are often associated with expression of Rous sarcoma virus in rat cells. Gillespie DA, et al. **Cell** 1985 May;41(1):279–87

Coexpression of the sis and myc proto–oncogenes in developing human placenta suggests autocrine control of trophoblast growth. Goustin AS, et al. **Cell** 1985 May;41(1):301–12

Extended life span and tumorigenicity of nonestablished mouse connective tissue cells transformed by the fos oncogene of FBR–MuSV. Jenuwein T, et al. **Cell** 1985 Jun;41(2):629–37

Functional homology of mammalian and yeast RAS genes. Kataoka T, et al. **Cell** 1985 Jan;40(1):19–26

Isolation of the proto–oncogene c–myb from D. melanogaster. Katzen AL, et al. **Cell** 1985 Jun;41(2):449–56

Fibroblast lines expressing activated c–myc oncogenes are tumorigenic in nude mice and syngeneic animals. Keath EJ, et al. **Cell** 1984 Dec;39(2 Pt 1):339–48

Transcription control by oncogenes. Kingston RE, et al. **Cell** 1985 May;41(1):3–5 (36 ref.)

A novel ras–related gene family. Madaule P, et al. **Cell** 1985 May;41(1):31–40

Rapid induction of the expression of proto–oncogene fos during human monocytic differentiation. Mitchell RL, et al. **Cell** 1985 Jan;40(1):209–17

DNA–binding activity is associated with purified myb proteins from AMV and E26 viruses and is temperature–sensitive for E26 ts mutants. Moelling K, et al. **Cell** 1985 Apr;40(4):983–90

Expression of the human c–fms proto–oncogene in hematopoietic cells and its deletion in the 5q- syndrome. Nienhuis AW, et al. **Cell** 1985 Sep;42(2):421-8

c-erbB activation in ALV-induced erythroblastosis: novel RNA processing and promoter insertion result in expression of an amino-truncated EGF receptor. Nilsen TW, et al. **Cell** 1985 Jul;41(3):719-26

Posttranscriptional mechanisms are responsible for accumulation of truncated c-myc RNAs in murine plasma cell tumors. Piechaczyk M, et al. **Cell** 1985 Sep; 42(2):589-97

Transmembrane orientation of glycoproteins encoded by the v-fms oncogene. Rettenmier CW, et al. **Cell** 1985 Apr; 40(4):971-81

Developmental regulation of a Dictyostelium gene encoding a protein homologous to mammalian ras protein. Reymond CD, et al. **Cell** 1984 Nov;39(1):141-8

The c-fms proto-oncogene product is related to the receptor for the mononuclear phagocyte growth factor, CSF-1. Sherr CJ, et al. **Cell** 1985 Jul;41(3):665-76

Spontaneous mammary adenocarcinomas in transgenic mice that carry and express MTV/myc fusion genes. Stewart TA, et al. **Cell** 1984 Oct;38(3):627-37

Activation of a novel human transforming gene, ret, by DNA rearrangement. Takahashi M, et al. **Cell** 1985 Sep; 42(2):581-8

Structure and nucleotide sequence of the putative mammary oncogene int-1; proviral insertions leave the protein-encoding domain intact. van Ooyen A, et al. **Cell** 1984 Nov;39(1):233-40

Evolution of karyotypic abnormalities and C-MYC oncogene amplification in human colonic carcinoma cell lines. Lin CC, et al. **Chromosoma** 1985;92(1):11-5

Oncogenes and linkage groups: conservation during mammalian chromosome evolution. Stallings RL, et al. **Chromosoma** 1985;92(2):156-63

Oncogenes in B-cell neoplasia. Workshop at the National Cancer Institute, National Institutes of Health, Bethesda, MD, USA, March 5-7,1984. **Curr Top Microbiol Immunol** 1984;113:1-268

Structural and functional analysis of ras and Blym oncogenes. Cooper GM. **Curr Top Microbiol Immunol** 1984;113:34-6

Activation of the c-myc oncogene in B and T lymphoid tumors. Cory S, et al. **Curr Top Microbiol Immunol** 1984; 113:161-5

The translocated c-myc oncogene of Burkitt lymphoma is differentially regulated in lymphoblastoid vs plasma cells. Croce CM, et al. **Curr Top Microbiol Immunol** 1984; 113:133-45

DNA sequences involved in the rearrangement and expression of the murine c-myc gene. Dunnick W, et al. **Curr Top Microbiol Immunol** 1984;113:154-60

myc-Encoded proteins of chickens and men. Eisenman RN, et al. **Curr Top Microbiol Immunol** 1984;113:192-7

Does the large T protein of polyoma virus regulate the expression of the cellular myc gene? Glaichenhaus N, et al. **Curr Top Microbiol Immunol** 1984;113:20-5

Cooperation of oncogenes in B-cell neoplasia. Introductory remarks. Klein G. **Curr Top Microbiol Immunol** 1984; 113:1-5

Tlym-I, a stage specific transforming gene shares homology with MHC I region genes. Lane MA, et al. **Curr Top Microbiol Immunol** 1984;113:31-3

Structural organization of mouse c-myb locus and the mechanism of its rearrangement in ABPL-2 tumor line induced by pristane and Abelson murine leukemia virus. Lavu S, et al. **Curr Top Microbiol Immunol** 1984;113:37-40

Activated oncogenes in Burkitt's lymphoma. Lenoir GM, et al. **Curr Top Microbiol Immunol** 1984;113:6-14

Immune regulation of the c-myc oncogene in a murine B lymphoma. McCormack JE, et al. **Curr Top Microbiol Immunol** 1984;113:127-32

Properties of the myc-gene product: nuclear association, inhibition of transcription and activation in stimulated lymphocytes. Moelling K, et al. **Curr Top Microbiol Immunol** 1984;113:198-207

Expression of cellular oncogenes. Müller R, et al. **Curr Top Microbiol Immunol** 1984;112:73-115 (250 ref.)

Amplification, expression and rearrangement of c-myc and N-myc oncogenes in human lung cancer. Nau MM, et al. **Curr Top Microbiol Immunol** 1984;113:172-7

Detection of an adenovirus E1A-like activity in mammalian cells. Nevins JR, et al. **Curr Top Microbiol Immunol** 1984; 113:15-9

Interaction of acute transforming retroviruses with murine hematopoietic cells. Pierce JH, et al. **Curr Top Microbiol Immunol** 1984;113:258-64

The c-myc gene paradox in Burkitt's lymphoma chromosomal translocation. Rabbitts TH, et al. **Curr Top Microbiol Immunol** 1984;113:166-71

Disruption and activation of the c-myb locus by M-MULV insertion in plasmacytoid lymphosarcomas induced by pristane and Abelson viruses. Shen-Ong GL, et al. **Curr Top Microbiol Immunol** 1984;113:41-6

Chromatin structural changes in the putative regulatory region of c-myc accompany the translocation in a Burkitt lymphoma. Siebenlist U, et al. **Curr Top Microbiol Immunol** 1984;113:183-9

Modes of c-myc oncogene activation in murine plasmacytomas. Yang JQ, et al. **Curr Top Microbiol Immunol** 1984;113:146-53

Regional mapping of cKi-ras proto-oncogene on mouse chromosome 6 by in situ hybridization. Cahilly LA, et al. **Cytogenet Cell Genet** 1985;39(2):140-4

Differential expression of the cellular src gene during vertebrate development. Scharti M, et al. **Dev Biol** 1984 Oct;105(2):415-22

Nucleic acid sequence database VI: Retroviral oncogenes and cellular proto-oncogenes. Chen HR, et al. **DNA** 1985 Apr;4(2):171-82 (120 ref.)

Product of the cellular oncogene, c-fos, observed in mouse and human tissues using an antibody to a synthetic peptide. Adamson ED, et al. **EMBO J** 1985 Apr;4(4):941-7

C-abl and bcr are rearranged in a Ph1-negative CML patient. Bartram CR, et al. **EMBO J** 1985 Mar;4(3):683-6

Stimulation and inhibition of growth by EGF in different A431 cell clones is accompanied by the rapid induction of c-fos and c-myc proto-oncogenes. Bravo R, et al. **EMBO J** 1985 May;4(5):1193-7

Chromosome translocation activates heterogeneously initiated, bipolar transcription of a mouse c-myc gene. Calabi F, et al. **EMBO J** 1985 Mar;4(3):667-74

Variant (6;15) translocations in murine plasmacytomas involve a chromosome 15 locus at least 72 kb from the c-myc oncogene. Cory S, et al. **EMBO J** 1985 Mar; 4(3):675-81

Molecular cloning and sequence analysis of a ras gene from Schizosaccharomyces pombe. Fukui Y, et al. **EMBO J** 1985 Mar;4(3):687-91

Structure and expression of amplified cKi-ras gene sequences in Y1 mouse adrenal tumor cells. George DL, et al. **EMBO J** 1985 May;4(5):1199-203

Mechanism of activation of the mouse c-mos oncogene by the LTR of an intracisternal A-particle gene. Horowitz M, et al. **EMBO J** 1984 Dec 1;3(12):2937-41

Amplification and rearrangement in hepatoma cell DNA associated with integrated hepatitis B virus DNA. Koch S, et al. **EMBO J** 1984 Sep;3(9):2185-9

Specific transforming potential of oncogenes encoding protein-tyrosine kinases. Mathey-Prevot B, et al. **EMBO J** 1985 Jul;4(7):1769-74

Epidermal growth factor and oncogenes induce transcription of the same cellular mRNA in rat fibroblasts. Matrisian LM, et al. **EMBO J** 1985 Jun;4(6):1435-40

Molecular cloning of lethal(2)giant larvae, a recessive oncogene of Drosophila melanogaster. Mechler BM, et al. **EMBO J** 1985 Jun;4(6):1551-7

Integration of transfected LTR sequences into the c-raf proto-oncogene: activation by promoter insertion. Mölders H, et al. **EMBO J** 1985 Mar;4(3):693-8

Differential expression of c-fos in hematopoietic cells: correlation with differentiation of monomyelocytic cells in vitro. Müller R, et al. **EMBO J** 1984 Aug;3(8):1887-90

Differential methylation of the c-H-ras gene in normal mouse cells and during skin tumour progression. Ramsden M, et al. **EMBO J** 1985 Jun;4(6):1449-54

c-myc and immunoglobulin kappa light chain constant genes are on the 8q+ chromosome of three Burkitt lymphoma lines with t(2;8) translocations. Rappold GA, et al. **EMBO J** 1984 Dec 1;3(12):2951-5

The v-sis/PDGF-2 transforming gene product localizes to cell membranes but is not a secretory protein. Robbins KC, et al. **EMBO J** 1985 Jul;4(7):1783-92

Analysis of the differentiation-promoting potential of inducible c-fos genes introduced into embryonal carcinoma cells. Rüther U, et al. **EMBO J** 1985 Jul;4(7):1775-81

Characterization of functional domains of p21 ras by use of chimeric genes. Schejter ED, et al. **EMBO J** 1985 Feb; 4(2):407-12

Effects of inhibitors of glycoprotein processing on the synthesis and biological activity of the erb B oncogene. Schmidt JA, et al. **EMBO J** 1985 Jan;4(1):105-12

Proviral activation of the putative oncogene Pim-1 in MuLV induced T-cell lymphomas. Selten G, et al. **EMBO J** 1985 Jul;4(7):1793-8

Involvement of c-myc in MuLV-induced T cell lymphomas in mice: frequency and mechanisms of activation. Selten G, et al. **EMBO J** 1984 Dec 20;3(13):3215-22

A novel combination of K-ras and myc amplification accompanied by point mutational activation of K-ras in a human lung cancer. Taya Y, et al. **EMBO J** 1984 Dec 1;3(12):2943-6

Transformation of mammalian fibroblasts and macrophages in vitro by a murine retrovirus encoding an avian v-myc oncogene. Vennström B, et al. **EMBO J** 1984 Dec 20; 3(13):3223-9

Enhancer activity correlates with the oncogenic potential of avian retroviruses. Weber F, et al. **EMBO J** 1985 Apr; 4(4):949-56

The myc proteins are not associated with chromatin in mitotic cells. Winqvist R, et al. **EMBO J** 1984 Dec 1; 3(12):2947-50

Chromosome translocations clustered 5' of the murine c-myc gene qualitatively affect promoter usage: implications for the site of normal c-myc regulation. Yang JQ, et al. **EMBO J** 1985 Jun;4(6):1441-7

Increased transcription of the c-myc oncogene in two methylcholanthrene-induced quail fibroblastic cell lines. Saule S, et al. **Exp Cell Res** 1984 Dec;155(2):496-506

Chromosomal assignment of two murine genes controlling susceptibility to spleen focus formation by Rauscher leukemia virus. Heller E, et al. **Exp Hematol** 1984 Sep; 12(8):645-9

Partial sequence homology of human myc oncogene protein to beta and gamma crystallins. Crabbe MJ. **FEBS Lett** 1985 Feb 11;181(1):157-9

Cyclic AMP and c-myc gene expression in PY815 mouse mastocytoma cells. Le Gros J, et al. **FEBS Lett** 1985 Jul 1;186(1):13-6

Modelling the ATP-binding site of oncogene products, the epidermal growth factor receptor and related proteins. Sternberg MJ, et al. **FEBS Lett** 1984 Oct 1;175(2):387-92

Involvement of Ca2+ in platelet-derived growth factor-induced expression of c-myc oncogene in Swiss 3T3 fibroblasts. Tsuda T, et al. **FEBS Lett** 1985 Jul 22; 187(1):43-6

Human genome: proto-oncogenes and proretroviruses. Kisselev LL, et al. **Folia Biol (Praha)** 1985;31(2):121-34

Amino acid sequence homology between protein products of oncogenes and hormones (v-myc--gastrin and oxytocin; v-sis--secretin). Korec E, et al. **Folia Biol (Praha)** 1985; 31(2):161-6

Activated oncogenes in a rat hepatocellular carcinoma induced by 2-amino-3-methylimidazo[4,5-f]quinoline. Ishikawa F, et al. **Gann** 1985 Jun;76(6):425-8

Identification of a protein (p40x) encoded by a unique sequence pX of human T-cell leukemia virus type I. Kiyokawa T, et al. **Gann** 1984 Sep;75(9):747-51

Amplification and enhanced expression of cellular oncogene c-Ki-ras-2 in a human epidermoid carcinoma of the lung. Miyaki M, et al. **Gann** 1985 Apr;76(4):260-5

Amplification of the c-myc oncogene in human stomach cancers. Nakasato F, et al. **Gann** 1984 Sep;75(9):737-42

Integration of v-rasH does not necessarily transform an immortalized murine cell line. Tsunokawa Y, et al. **Gann** 1984 Sep;75(9):732-6

Structure of the polymorphic feline c-myc oncogene locus. Soe LH, et al. **Gene** 1984 Nov;31(1-3):123-8

Molecular cloning of the feline c-fes proto-oncogene and construction of a chimeric transforming gene. Verbeek JS, et al. **Gene** 1985;35(1-2):33-43

The coding region of the human c-mos pseudogene contains Alu repeat insertions. Zabarovsky ER, et al. **Gene** 1984 Oct;30(1-3):107-11

Oncogenetic aspects of chronic myelocytic leukemia. Bartram CR, et al. **Hamatol Bluttransfus** 1985;29:150-3

Identification of the human cellular myc gene product by antibody against the bacterially expressed protein. Benter T, et al. **Hamatol Bluttransfus** 1985;29:266-8

Association between the Philadelphia chromosome and a unique abl transcript. Canaani E, et al. **Hamatol Bluttransfus** 1985;29:154-8

Structure and function of ras and Blym oncogenes. Cooper GM. **Hamatol Bluttransfus** 1985;29:273-6

Self-renewal of haemopoietic stem cells: the roles of the environment, of growth factors and of the src oncogene. Dexter TM, et al. **Hamatol Bluttransfus** 1985;29:363-71

Are activated proto-onc genes cancer genes? Duesberg PH, et al. **Hamatol Bluttransfus** 1985;29:9-27 (139 ref.)

Coordinated expression of c-myc gene and a multigenic set may modulate the malignant phenotype in human haemopoietic cell lines. Harel J, et al. **Hamatol Bluttransfus** 1985;29:372-5

The mil/raf and myc oncogenes: molecular cloning and in vitro mutagenesis. Jansen HW, et al. **Hamatol Bluttransfus** 1985;29:280-3

Proliferation in vivo and in vitro of haemopoietic progenitor cells induced by AF-1, a new ras-containing retrovirus. Johnson GR, et al. **Hamatol Bluttransfus** 1985;29:376-9

TLym 1, a stage-specific transforming gene which shares homology to MHCI genes and encodes a secreted protein. Lane MA, et al. **Hamatol Bluttransfus** 1985;29:277-9

Somatic N-ras oncogene activation in a patient with acute myeloblastic leukemia. Moroni C, et al. **Hamatol Bluttransfus** 1985;29:159-62

Chromosome alterations in oncogenesis. Nowell PC, et al. **Hamatol Bluttransfus** 1985;29:253-60

Cellular oncogenes as the ancestors of endocrine and paracrine growth factors and their evolutionary relic status in vertebrates. Ohno S. **Hamatol Bluttransfus** 1985;29:224-7

Oncogenes of avian acute leukemia viruses are subsets of normal cellular genes. Papas TS, et al. **Hamatol Bluttransfus** 1985;29:269-72

Chromatin structure of the human c-myc oncogene: definition of regulatory regions and changes in Burkitt's lymphomas. Siebenlist U, et al. **Hamatol Bluttransfus** 1985; 29:261-5

Viruses, genes, and cancer. Bishop JM. **Harvey Lect** 1982-83; 78:137-72

Chromosomal translocations, oncogenes, and B-cell tumors. Croce CM. **Hosp Pract [Off]** 1985 Jan 15;20(1):41-8

The human thyroglobulin gene: a polymorphic marker localized distal to C-MYC on chromosome 8 band q24. Baas F, et al. **Hum Genet** 1985;69(2):138-43

Mitotic chiasmata, gene density, and oncogenes. Kuhn EM, et al. **Hum Genet** 1985;70(1):1-5

An EcoRI restriction fragment length polymorphism (RFLP) in the human c-erb A locus. Mathieu-Mahul D, et al. **Hum Genet** 1985;71(1):41-4

Initial cellular targets and eventual genomic changes in multistage carcinogenesis. Weinstein IB, et al. **IARC Sci Publ** 1984;(56):277-97

N-ras gene activation in the RD human rhabdomyosarcoma cell line. Chardin P, et al. **Int J Cancer** 1985 May 15; 35(5):647-52

Transfection by human oncogenes: concomitant induction of tumorigenicity and tumor-associated membrane alterations. Collard JG, et al. **Int J Cancer** 1985 Feb 15; 35(2):207–13

Isolation and characterization of an activated C-H-ras-1 gene from a squamous-cell lung carcinoma cell line. Kagimoto M, et al. **Int J Cancer** 1985 Jun 15;35(6):808–12

Expression of ki-ras oncogene in tumor cell variants exhibiting different metastatic capabilities. Kris RM, et al. **Int J Cancer** 1985 Feb 15;35(2):227–30

Elevated expression of the cellular src gene in tumors of differing etiologies in Xiphophorus. Schartl M, et al. **Int J Cancer** 1985 Aug 15;36(2):199–207

Amplification of the c-myc oncogene in human plasma-cell leukemia. Sümegi J, et al. **Int J Cancer** 1985 Sep 15; 36(3):367–71

Oncogene expression in human tumors. Tatosyan AG, et al. **Int J Cancer** 1985 Jun 15;35(6):731–6

Prediction of the conformation and antigenic determinants of the V-sis viral oncogene product homologous with human platelet-derived growth factor. Robson B, et al. **Int J Pept Protein Res** 1985 Jan;25(1):1–8

Rous sarcoma virus SRC gene expression on the growth of quail embryo skin fibroblasts and the establishment of permanent cell lines. Montarras D, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):235–9

Isolation of activated ras transforming genes from two patients with Hodgkin's disease. Sklar MD, et al. **Int J Radiat Oncol Biol Phys** 1985 Jan;11(1):49–55

Oncogenes, inhibited intercellular communication and tumor promotion. Trosko JE, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:101–13 (78 ref.)

Oncogene expression in isogenic, EBV-positive and -negative Burkitt lymphoma cell lines. Glazer PM, et al. **Intervirology** 1985;23(2):82–9

Comparison of T-DNA oncogene complements of Agrobacterium tumefaciens tumor-inducing plasmids with limited and wide host ranges. Buchholz WG, et al. **J Bacteriol** 1984 Oct;160(1):319–26

Host range encoded by the Agrobacterium tumefaciens tumor-inducing plasmid pTiAg63 can be expanded by modification of its T-DNA oncogene complement. Buchholz WG, et al. **J Bacteriol** 1984 Oct;160(1):327–32

Viral Harvey ras p21 expressed in Escherichia coli purifies as a binary one-to-one complex with GDP. Poe M, et al. **J Biol Chem** 1985 Apr 10;260(7):3906–9

c-Ha-ras-1 proto-oncogene amplification and overexpression during the limited replicative life span of normal human fibroblasts. Srivastava A, et al. **J Biol Chem** 1985 May 25;260(10):6404–9

Localization of tyrosine kinase-coding region in v-abl oncogene by the expression of v-abl-encoded proteins in bacteria. Wang JY, et al. **J Biol Chem** 1985 Jan 10; 260(1):64–71

Oncogenes: growth regulation and the papovaviruses polyoma and SV40. Smith AE. **J Cell Biochem** 1984; 26(2):89–93 (52 ref.)

c-myc Gene activation and chromosomal translocation. Rabbitts TH, et al. **J Cell Sci [Suppl]** 1984;1:95–101

The role of c-myc in the proliferation of normal and neoplastic cells. Kelly K, et al. **J Clin Immunol** 1985 Mar; 5(2):65–77 (50 ref.)

In vivo differentiation of blast-phase chronic granulocytic leukemia. Expression of c-myc and c-abl protooncogenes. Koller CA, et al. **J Clin Invest** 1985 Jul;76(1):365–9

Regional homology in GTP-binding proto-oncogene products and elongation factors. Halliday KR. **J Cyclic Nucleotide Protein Phosphor Res** 1983–84; 9(6):435–48 (43 ref.)

Expression of the onc gene of the Kirsten murine sarcoma virus in differentiated rat thyroid epithelial cell lines. Ferrentino M, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):1955–61

Modulation of c-myb transcription in autoimmune disease by cyclophosphamide. Mountz JD, et al. **J Immunol** 1985 Oct;135(4):2417–22

Unusual expression of IL 2 receptors and both the c-myb and c-raf oncogenes in T cell lines and clones derived from autoimmune MRL-lpr/lpr mice. Rosenberg YJ, et al. **J Immunol** 1985 May;134(5):3120–3

A simple and rapid solid phase enzyme-linked immunoadsorbence assay for screening monoclonal antibodies to poorly soluble proteins. Evan GI. **J Immunol Methods** 1984 Oct 26;73(2):427–35

Cofactors in disease: Epstein-Barr virus, oncogenes, and Burkitt's lymphoma. Spriggs DR. **J Infect Dis** 1985 May; 151(5):977–8

Intercellular communication and the control of growth: X. Alteration of junctional permeability by the src gene. A study with temperature-sensitive mutant Rous sarcoma virus. Azarnia R, et al. **J Membr Biol** 1984;82(3):191–205

Intercellular communication and the control of growth: XI. Alteration of junctional permeability by the src gene in a revertant cell with normal cytoskeleton. Azarnia R, et al. **J Membr Biol** 1984;82(3):207–12

Nucleotide sequence and topography of chicken c-fps. Genesis of a retroviral oncogene encoding a tyrosine-specific protein kinase. Huang CC, et al. **J Mol Biol** 1985 Jan 20;181(2):175–86

Oncogenes in scrapie and Creutzfeldt-Jacob disease [letter] Oppenheimer SJ. **J R Soc Med** 1985 Apr;78(4):347

Oncogenes—implications for human cancer [letter] Pattison IH. **J R Soc Med** 1984 Sep;77(9):805

Mutations affecting the 12th and 61st amino acids of p21 protein result in decreased probability of beta-turn occurrence around the mutation positions: a prediction. Murakami M. **J Theor Biol** 1985 May 21;114(2):193–8

Developmental and molecular aspects of nephroblastomas induced by avian myeloblastosis-associated virus 2-O. Böni-Schnetzler M, et al. **J Virol** 1985 Jul;55(1):213–22

Nucleotide sequence of a transduced myc gene from a defective feline leukemia provirus. Braun MJ, et al. **J Virol** 1985 Jul;55(1):177–83

Generation of a recombinant Moloney murine leukemia virus carrying the v-src gene of avian sarcoma virus: transformation in vitro and pathogenesis in vivo. Feuerman MH, et al. **J Virol** 1985 Jun;54(3):804–16

Map location of homologous regions between Marek's disease virus and herpesvirus of turkey and the absence of detectable homology in the putative tumor-inducing gene. Fukuchi K, et al. **J Virol** 1985 Mar;53(3):994–7

A mos oncogene-containing retrovirus, myeloproliferative sarcoma virus, transforms rat thyroid epithelial cells and irreversibly blocks their differentiation pattern. Fusco A, et al. **J Virol** 1985 Oct;56(1):284–92

Isolation and structural mapping of a human c-src gene homologous to the transforming gene (v-src) of Rous sarcoma virus. Gibbs CP, et al. **J Virol** 1985 Jan;53(1):19–24

Temperature-sensitive viral RNA expression in Moloney murine sarcoma virus ts110-infected cells. Hamelin R, et al. **J Virol** 1985 Feb;53(2):616–23

Mapping of RNA transcribed from a region of the Herpesvirus saimiri genome required for oncogenicity. Kamine J, et al. **J Virol** 1984 Nov;52(2):532–40

Mutational mechanisms by which an inactive replication origin of bacteriophage M13 is turned on are similar to mechanisms of activation of ras proto-oncogenes. Kim MH, et al. **J Virol** 1985 Mar;53(3):871–8

Use of site-specific antipeptide antibodies to perturb the serine kinase catalytic activity of p37mos. Maxwell SA, et al. **J Virol** 1985 Sep;55(3):874–6

Deletion of the gag region from FBR murine osteosarcoma virus does not affect its enhanced transforming activity. Miller AD, et al. **J Virol** 1985 Sep;55(3):521–6

Cellular localization of the transforming protein of wild-type and temperature-sensitive Fujinami sarcoma virus. Moss P, et al. **J Virol** 1984 Nov;52(2):557–65

Nucleotide sequence of avian sarcoma virus UR2 and comparison of its transforming gene with other members of the tyrosine protein kinase oncogene family. Neckameyer WS, et al. **J Virol** 1985 Mar;53(3):879–84

Early clonality and high-frequency proviral integration into the c-myc locus in AKR leukemias. O'Donnell PV, et al. **J Virol** 1985 Aug;55(2):500–3

Inhibitory effect of interferon on the genetic and oncogenic transformation by viral and cellular genes. Perucho M, et al. **J Virol** 1985 Apr;53(4):229–32

The minimum transforming region of v-abl is the segment encoding protein-tyrosine kinase. Prywes R, et al. **J Virol** 1985 Apr;53(4):114–22

The immediate-early enhancer element of herpes simplex virus type 1 can replace a regulatory region of the c-Ha-ras1 oncogene required for transformation. Puga A, et al. **J Virol** 1985 Jun;54(3):879–81

Rapid induction of hemopoietic neoplasms in newborn mice by a raf(mil)/myc recombinant murine retrovirus. Rapp UR, et al. **J Virol** 1985 Jul;55(1):23–33

Nucleotide sequence analysis of the BALB/c murine sarcoma virus transforming gene. Reddy EP, et al. **J Virol** 1985 Mar;53(3):984–7

In vitro transcription analysis of the viral promoter involved in c-myc activation in chicken B lymphomas: detection and mapping of two RNA initiation sites within the reticuloendotheliosis virus long terminal repeat. Ridgway AA, et al. **J Virol** 1985 Apr;53(4):161–70

Tissue-specific expression of the newly acquired ecotropic Emv-18 provirus in Fv-2 congenic mice. Robson IB, et al. **J Virol** 1985 Jul;55(1):54–9

Nucleotide sequence and biochemical activities of the Moloney murine sarcoma virus strain HT-1 mos gene. Seth A, et al. **J Virol** 1985 Oct;56(1):144–52

Mechanisms of oncogenesis by subgroup F avian leukosis viruses. Simon MC, et al. **J Virol** 1984 Oct;52(1):1–8

Insertional activation of c-myc by reticuloendotheliosis virus in chicken B lymphoma: nonrandom distribution and orientation of the proviruses. Swift RA, et al. **J Virol** 1985 Jun;54(3):869–72

Analysis of viral and somatic activations of the cHa-ras gene. Tabin CJ, et al. **J Virol** 1985 Jan;53(1):260–5

cyt gene of adenoviruses 2 and 5 is an oncogene for transforming function in early region E1B and encodes the E1B 19,000-molecular-weight polypeptide. Takemori N, et al. **J Virol** 1984 Dec;52(3):793–805

Molecular cloning of proviral DNA and structural analysis of the transduced myc oncogene of avian oncovirus CMII. Walther N, et al. **J Virol** 1985 May;54(2):576–85

Development and analysis of a transformation-defective mutant of Harvey murine sarcoma tk virus and its gene product. Weeks MO, et al. **J Virol** 1985 May;54(2):586–97

Nucleic acid sequences of the oncogene v-rel in reticuloendotheliosis virus strain T and its cellular homolog, the proto-oncogene c-rel. Wilhelmsen KC, et al. **J Virol** 1984 Oct;52(1):172–82

Rous sarcoma virus variants that encode src proteins with an altered carboxy terminus are defective for cellular transformation. Wilkerson VW, et al. **J Virol** 1985 Aug; 55(2):314–21

Cellular localization of c-fps gene product NCP98. Young JC, et al. **J Virol** 1984 Dec;52(3):913–8

Hypomethylation of DNA in human cancer cells: a site-specific change in the c-myc oncogene. Cheah MS, et al. **JNCI** 1984 Nov;73(5):1057–65

Oncogenes and proto-oncogenes: how do they differ? Hunter T. **JNCI** 1984 Oct;73(4):773–86 (160 ref.)

No expression of a Rous sarcoma virus-induced tumor antigen in mammalian cells infected with retroviruses transducing other oncogenes of the src gene family. Kuzumaki N, et al. **JNCI** 1985 Apr;74(4):889–92

c-myc Gene amplification in primary stomach cancer. Koda T, et al. **Jpn J Cancer Res** 1985 Jul;76(7):551–4

Amplification of activated c-Ha-ras-1 in human melanoma. Sekiya T, et al. **Jpn J Cancer Res** 1985 Jul;76(7):555–8

Regional mapping of the human proto-oncogene c-yes-1 to chromosome 18 at band q21.3. Yoshida MC, et al. **Jpn J Cancer Res** 1985 Jul;76(7):559–62

N-myc amplification in malignant astrocytoma [letter] Garson JA, et al. **Lancet** 1985 Sep 28;2(8457):718–9

Anti-oncogenes. A subset of regulatory genes involved in carcinogenesis? Green AR, et al. **Lancet** 1985 Aug 31; 2(8453):475–7

Genomic alterations involving the c-myc proto-oncogene locus during the evolution of a case of chronic granulocytic leukaemia. McCarthy DM, et al. **Lancet** 1984 Dec 15; 2(8416):1362–5

DNA in medicine. Oncogenes. Weiss RA, et al. **Lancet** 1984 Nov 17;2(8412):1138–42

Oncogenes: their presence and significance in squamous cell cancer of the head and neck. Friedman WH, et al. **Laryngoscope** 1985 Mar;95(3):313–6

Study of the levels of expression of two oncogenes, c-myc and c-myb, in acute and chronic leukemias of both lymphoid and myeloid lineage. Ferrari S, et al. **Leuk Res** 1985;9(7):833–42

Variation in myc gene amplification and expression in sublines of HL60 cells. Graham SV, et al. **Leuk Res** 1985; 9(2):239–47

Expression of c-ras and c-myc oncogenes in murine erythroleukemias induced by Friend viruses. Robert-Lezenes J, et al. **Leuk Res** 1984;8(6):975–84

Oncogenes. Gordon H. **Mayo Clin Proc** 1985 Oct; 60(10):697–713 (39 ref.)

Amplification of cellular oncogenes in cancer cells. Alitalo K. **Med Biol** 1984;62(6):304–17 (91 ref.)

Analysis of the oncogene hypothesis. Caesar G. **Med Hypotheses** 1984 Aug;14(4):379–85

A proposed mechanism for cooperativity among oncogene products in cancer cells. Shier WT. **Med Hypotheses** 1984 Aug;14(4):373–7

Oncogenes. A possible role for cancer genes in human malignant disease. Haber M, et al. **Med J Aust** 1985 Apr 1;142(7):402–6 (75 ref.)

Fruit flies, yeasts, and onc genes: developmental biology and cancer research come together. Levine AS. **Med Pediatr Oncol** 1984;12(5):357–74 (91 ref.)

A test of the role of two oncogenes in inherited predisposition to colon cancer. Barker D, et al. **Mol Biol Med** 1983 Sep; 1(2):199–206

myc and src oncogenes have complementary effects on cell proliferation and expression of specific extracellular matrix components in definitive chondroblasts. Alema S, et al. **Mol Cell Biol** 1985 Mar;5(3):538–44

Human cellular src gene: nucleotide sequence and derived amino acid sequence of the region coding for the carboxy-terminal two-thirds of pp60c-src. Anderson SK, et al. **Mol Cell Biol** 1985 May;5(5):1122–9

Structure and biological activity of human homologs of the raf/mil oncogene. Bonner TI, et al. **Mol Cell Biol** 1985 Jun;5(6):1400–7

Cells transformed with a ts viral src mutant are temperature sensitive for in vivo growth. Chambers AF, et al. **Mol Cell Biol** 1985 Apr;5(4):728–33

Suppression of tropomyosin synthesis, a common biochemical feature of oncogenesis by structurally diverse retroviral oncogenes. Cooper HL, et al. **Mol Cell Biol** 1985 May; 5(5):972–83

Viral and cellular fos proteins are complexed with a 39,000-dalton cellular protein. Curran T, et al. **Mol Cell Biol** 1985 Jan;5(1):167–72

Activation of the c-abl oncogene by viral transduction or chromosomal translocation generates altered c-abl proteins with similar in vitro kinase properties. Davis RL, et al. **Mol Cell Biol** 1985 Jan;5(1):204–13

V-myc- and c-myc-encoded proteins are associated with the nuclear matrix. Eisenman RN, et al. **Mol Cell Biol** 1985 Jan;5(1):114–26

Isolation of monoclonal antibodies specific for products of avian oncogene myb. Evan GI, et al. **Mol Cell Biol** 1984 Dec;4(12):2843–50

New human transforming genes detected by a tumorigenicity assay. Fasano O, et al. **Mol Cell Biol** 1984 Sep;4(9):1695–705

pp60c-src in the developing cerebellum. Fults DW, et al. **Mol Cell Biol** 1985 Jan;5(1):27–32

Neoplastic transformation of normal and carcinogen-induced preneoplastic Syrian hamster embryo cells by the v-src oncogene. Gilmer TM, et al. **Mol Cell Biol** 1985 Jul; 5(7):1707–13

Unstable expression and amplification of a transfected oncogene in confluent and subconfluent cells. Glanville N. **Mol Cell Biol** 1985 Jun;5(6):1456-64

Regulated transcription of c-Ki-ras and c-myc during compensatory growth of rat liver. Goyette M, et al. **Mol Cell Biol** 1984 Aug;4(8):1493-8

Purification and characterization of human H-ras proteins expressed in Escherichia coli. Gross M, et al. **Mol Cell Biol** 1985 May;5(5):1015-24

Proteins encoded by the human c-myc oncogene: differential expression in neoplastic cells. Hann SR, et al. **Mol Cell Biol** 1984 Nov;4(11):2486-97

Transposition of two different intracisternal A particle elements into an immunoglobulin kappa-chain gene. Hawley RG, et al. **Mol Cell Biol** 1984 Dec;4(12):2565-72

New acceptor cell for transfected genomic DNA: oncogene transfer into a mouse mammary epithelial cell line. Hynes NE, et al. **Mol Cell Biol** 1985 Jan;5(1):268-72

Genetic mapping of a cellular DNA region involved in induction of thymic lymphomas (Mlvi-1) to mouse chromosome 15. Kozak CA, et al. **Mol Cell Biol** 1985 Apr;5(4):894-7

Expression of ras cellular oncogenes during development of Drosophila melanogaster. Lev Z, et al. **Mol Cell Biol** 1985 Jun;5(6):1540-2

New rat cell line that is highly susceptible to transformation by several oncogenes. Liboi E, et al. **Mol Cell Biol** 1984 Dec;4(12):2925-8

Human colon carcinoma Ki-ras2 oncogene and its corresponding proto-oncogene. McCoy MS, et al. **Mol Cell Biol** 1984 Aug;4(8):1577-82

Family of developmentally regulated, maternally expressed Drosophila RNA species detected by a v-myc probe. Madhavan K, et al. **Mol Cell Biol** 1985 Jan;5(1):7-16

Expression of the amplified domain in human neuroblastoma cells. Michitsch RW, et al. **Mol Cell Biol** 1984 Nov;4(11):2370-80

Characterization and developmental expression of a Drosophila ras oncogene. Mozer B, et al. **Mol Cell Biol** 1985 Apr;5(4):885-9

Accurate and efficient transcription of human c-myc genes injected into Xenopus laevis oocytes. Nishikura K, et al. **Mol Cell Biol** 1985 Jun;5(6):1434-41

Activation of N-ras in a human melanoma cell line. Padua RA, et al. **Mol Cell Biol** 1985 Mar;5(3):582-5

Isolation of duplicated human c-src genes located on chromosomes 1 and 20. Parker RC, et al. **Mol Cell Biol** 1985 Apr;5(4):831-8

Regulation of a ras-related protein during development of Dictyostelium discoideum. Pawson T, et al. **Mol Cell Biol** 1985 Jan;5(1):33-9

Myeloid cell transformation by ras-containing murine sarcoma viruses. Pierce JH, et al. **Mol Cell Biol** 1985 Apr;5(4):667-74

Haploid expression of a unique c-abl transcript in the mouse male germ line. Ponzetto C, et al. **Mol Cell Biol** 1985 Jul;5(7):1791-4

Sequences in human cytomegalovirus which hybridize with the avian retrovirus oncogene v-myc are G + C rich and do not hybridize with the human c-myc gene. Rasmussen RD, et al. **Mol Cell Biol** 1985 Jun;5(6):1525-30

Preferential expression of the c-fps protein in chicken macrophages and granulocytic cells. Samarut J, et al. **Mol Cell Biol** 1985 May;5(5):1067-72

Expression of a proto-oncogene (proto-myb) in hemopoietic tissues of mice. Sheiness D, et al. **Mol Cell Biol** 1984 Jul;4(7):1206-12

Amplification and expression of a cellular oncogene (c-myc) in human gastric adenocarcinoma cells. Shibuya M, et al. **Mol Cell Biol** 1985 Feb;5(2):414-8

Cloning and sequencing of a c-myc oncogene in a Burkitt's lymphoma cell line that is translocated to a germ line alpha switch region. Showe LC, et al. **Mol Cell Biol** 1985 Mar;5(3):501-9

Erbb is linked to the alpha-globin locus on mouse chromosome 11. Silver J, et al. **Mol Cell Biol** 1985 Jul;5(7):1784-6

Analysis of a transgenic mouse containing simian virus 40 and v-myc sequences. Small JA, et al. **Mol Cell Biol** 1985 Apr;5(4):642-8

A mutation at the ATP-binding site of pp60v-src abolishes kinase activity, transformation, and tumorigenicity. Snyder MA, et al. **Mol Cell Biol** 1985 Jul;5(7):1772-9

Cellular oncogenes (c-erb-A and c-erb-B) located on different chicken chromosomes can be transduced into the same retroviral genome. Symonds G, et al. **Mol Cell Biol** 1984 Aug;4(8):1627-30

Induced differentiation of avian myeloblastosis virus-transformed myeloblasts: phenotypic alteration without altered expression of the viral oncogene. Symonds G, et al. **Mol Cell Biol** 1984 Dec;4(12):2587-93

The location of v-src in a retrovirus vector determines whether the virus is toxic or transforming. Tarpley WG, et al. **Mol Cell Biol** 1984 Dec;4(12):2653-60

Expression and characterization of ras mRNAs from Saccharomyces cerevisiae. Temeles GL, et al. **Mol Cell Biol** 1984 Nov;4(11):2298-305

NIH/3T3 cells transfected with human tumor DNA containing activated ras oncogenes express the metastatic phenotype in nude mice. Thorgeirsson UP, et al. **Mol Cell Biol** 1985 Jan;5(1):259-62

Metabolic turnover of human c-rasH p21 protein of EJ bladder carcinoma and its normal cellular and viral homologs. Ulsh LS, et al. **Mol Cell Biol** 1984 Aug;4(8):1647-52

Sequences upstream of c-mos(rat) that block RNA accumulation in mouse cells do not inhibit in vitro transcription. van der Hoorn FA, et al. **Mol Cell Biol** 1985 Feb;5(2):406-9

Translocation of oncogene c-sis from chromosome 22 to chromosome 11 in a Ewing sarcoma-derived cell line. van Kessel AG, et al. **Mol Cell Biol** 1985 Feb;5(2):427-9

Molecular cloning and chromosomal assignment of the human homolog of int-1, a mouse gene implicated in mammary tumorigenesis. van't Veer LJ, et al. **Mol Cell Biol** 1984 Nov;4(11):2532-4

Human c-fms proto-oncogene: comparative analysis with an abnormal allele. Verbeek JS, et al. **Mol Cell Biol** 1985 Feb;5(2):422-6

Expression and characterization of the human c-myc DNA-binding protein. Watt RA, et al. **Mol Cell Biol** 1985 Mar;5(3):448-56

Expression of c-Ki-ras, c-Ha-ras, and c-myc in specific cell types during hepatocarcinogenesis. Yaswen P, et al. **Mol Cell Biol** 1985 Apr;5(4):780-6

Effect of neplanocin A on differentiation, nucleic acid methylation, and c-myc mRNA expression in human promyelocytic leukemia cells. Linevsky J, et al. **Mol Pharmacol** 1985 Jul;28(1):45-50

Chromosome translocation t(14;22) and oncogene (c-sis) variant in a pedigree with familial meningioma. Bolger GB, et al. **N Engl J Med** 1985 Feb 28;312(9):564-7

c-abl Oncogene and chromosome 22 'bcr' juxtaposition in chronic myelogenous leukemia [letter] Teyssier JR, et al. **N Engl J Med** 1985 May 23;312(21):1393-4

Transgenic mice inherit cancer [news] **Nature** 1984 Sep 20-26;311(5983):205-6

No genuflection [news] **Nature** 1984 Sep 20-26;311(5983):207

Ambivalence in plenty [news] **Nature** 1984 Sep 20-26;311(5983):207

Oncogene activation by fusion of chromosomes in leukaemia [news] Adams JM. **Nature** 1985 Jun 13-19;315(6020):541-2

Differentiation of PC12 phaeochromocytoma cells induced by v-src oncogene. Alemà S, et al. **Nature** 1985 Aug 8-14;316(6028):557-9

Induction of proliferation or transformation of neuroretina cells by the mil and myc viral oncogenes. Bechade C, et al. **Nature** 1985 Aug 8-14;316(6028):559-62

The ras oncogene product p21 is not a regulatory component of adenylate cyclase. Beckner SK, et al. **Nature** 1985 Sep 5-11;317(6032):71-2

Clues to the puzzle of purpose [news] Bishop JM. **Nature** 1985 Aug 8-14;316(6028):483-4

Amino-acid substitutions at codon 13 of the N-ras oncogene in human acute myeloid leukaemia. Bos JL, et al. **Nature** 1985 Jun 27-Jul 3;315(6022):726-30

Transducing proteins. Yeast RAS and Tweedledee's logic [news] Bourne HR. **Nature** 1985 Sep 5-11;317(6032):16-7

Type culture a source of gain [news] Budiansky S. **Nature** 1985 May 23-29;315(6017):268

Similarity of vaccinia 28K, v-erb-B and EGF receptors [letter] Chen HR, et al. **Nature** 1985 Jul 18-24;316(6025):219-20

Interferons and oncogenes. Clemens M. **Nature** 1985 Feb 14-20;313(6003):531-2

Focus formation in rat fibroblasts exposed to a tumour promoter after transfer of polyoma plt and myc oncogenes. Connan G, et al. **Nature** 1985 Mar 21-27;314(6008):277-9

Monoclonal antibodies identify a cell-surface antigen associated with an activated cellular oncogene. Drebin JA, et al. **Nature** 1984 Dec 6-12;312(5994):545-8

Close link between reduction of c-myc expression by interferon and, G0/G1 arrest. Einat M, et al. **Nature** 1985 Feb 14-20;313(6003):597-600

Participation of p53 cellular tumour antigen in transformation of normal embryonic cells. Eliyahu D, et al. **Nature** 1984 Dec 13-19;312(5995):646-9

Isolation of a new human oncogene from a diffuse B-cell lymphoma. Eva A, et al. **Nature** 1985 Jul 18-24;316(6025):273-5

Suppression of the normal mouse c-myc oncogene in human lymphoma cells. Feo S, et al. **Nature** 1985 Feb 7-13;313(6002):493-5

Transient reversion of ras oncogene-induced cell transformation by antibodies specific for amino acid 12 of ras protein. Feramisco JR, et al. **Nature** 1985 Apr 18-24;314(6012):639-42

Transformation of mononuclear phagocytes in vivo and malignant histiocytosis caused by a novel murine spleen focus-forming virus. Franz T, et al. **Nature** 1985 May 9-15;315(6015):149-51

Murine T lymphomas with retroviral inserts in the chromosomal 15 locus for plasmacytoma variant translocations. Graham M, et al. **Nature** 1985 Apr 25-May 1;314(6013):740-3

Stimulation of 3T3 cells induces transcription of the c-fos proto-oncogene. Greenberg ME, et al. **Nature** 1984 Oct 4-10;311(5985):433-8

Heritable formation of pancreatic beta-cell tumours in transgenic mice expressing recombinant insulin/simian virus 40 oncogenes. Hanahan D. **Nature** 1985 May 9-15;315(6015):115-22

Oncogenes in transgenic mice [news] Hanahan D. **Nature** 1984 Dec 6-12;312(5994):503-4

c-myc oncogene protein synthesis is independent of the cell cycle in human and avian cells. Hann SR, et al. **Nature** 1985 Mar 28-Apr 3;314(6009):366-9

An artefact explains the apparent association of the transferrin receptor with a ras gene product. Harford J. **Nature** 1984 Oct 18-24;311(5987):673-5

Structural organization of the bcr gene and its role in the Ph' translocation. Heisterkamp N, et al. **Nature** 1985 Jun 27-Jul 3;315(6022):758-61

Cellular immortalization by a cDNA clone encoding the transformation-associated phosphoprotein p53. Jenkins JR, et al. **Nature** 1984 Dec 13-19;312(5995):651-4

Regulation of heat shock protein 70 gene expression by c-myc. Kingston RE, et al. **Nature** 1984 Nov 15-21;312(5991):280-2

Evolution of tumours and the impact of molecular oncology. Klein G, et al. **Nature** 1985 May 16-22;315(6016):190-5 (146 ref.)

Platelet-derived growth factor induces rapid but transient expression of the c-fos gene and protein. Kruijer W, et al. **Nature** 1984 Dec 20-1985 Jan 2;312(5996):711-6

Cell immortalization and transformation by the p53 gene [news] Lane DP. **Nature** 1984 Dec 13-19;312(5995):596-7

Evidence for two distinct c-src loci on human chromosomes 1 and 20. Le Beau MM, et al. **Nature** 1984 Nov 1-7;312(5989):70-1

Serine- and threonine-specific protein kinase activities of purified gag-mil and gag-raf proteins. Moelling K, et al. **Nature** 1984 Dec 6-12;312(5994):558-61

Requirement for ras proto-oncogene function during serum-stimulated growth of NIH 3T3 cells. Mulcahy LS, et al. **Nature** 1985 Jan 17-23;313(5999):241-3

Induction of c-fos during myelomonocytic differentiation and macrophage proliferation. Müller R, et al. **Nature** 1985 Apr 11-17;314(6011):546-8

Differentiation of F9 teratocarcinoma stem cells after transfer of c-fos proto-oncogenes. Müller R, et al. **Nature** 1984 Oct 4-10;311(5985):438-42

Induction of c-fos gene and protein by growth factors precedes activation of c-myc. Müller R, et al. **Nature** 1984 Dec 20-1985 Jan 2;312(5996):716-20

Transformation by the p21ras protein [letter] Newbold RF. **Nature** 1984 Nov 22-28;312(5992):314

Oncogenic intelligence. Another link in the chain [news] Newmark P. **Nature** 1985 Aug 22-28;316(6030):681

Yeast aids cancer research [news] Nurse P. **Nature** 1985 Feb 21-27;313(6004):631-2

Nonrandom loss of chromosome 15 in Syrian hamster tumours induced by v-Ha-ras plus v-myc oncogenes. Oshimura M, et al. **Nature** 1985 Aug 15-21;316(6029):636-9

A novel transforming gene in a human malignant melanoma cell line. Padua RA, et al. **Nature** 1984 Oct 18-24;311(5987):671-3

Cooperation between gene encoding p53 tumour antigen and ras in cellular transformation. Parada LF, et al. **Nature** 1984 Dec 13-19;312(5995):649-51

Expression of c-mos proto-oncogene transcripts in mouse tissues. Propst F, et al. **Nature** 1985 Jun 6-12;315(6019):516-8

Islet activating protein analogous to p21 ras? [letter] Ralph RK. **Nature** 1984 Oct 11-17;311(5986):515

Hybrid oncogenes. A multi-purpose tool for studying multi-step processes [news] Rigby PW. **Nature** 1985 May 9-15;315(6015):96-7

Selective inhibition of the anchorage-independent growth of myc-transfected fibroblasts by retinoic acid. Roberts AB, et al. **Nature** 1985 May 16-22;315(6016):237-9

Expression of the c-fms proto-oncogene during human monocytic differentiation. Sariban E, et al. **Nature** 1985 Jul 4-10;316(6023):64-6

The neu oncogene: an erb-B-related gene encoding a 185,000-Mr tumour antigen. Schechter AL, et al. **Nature** 1984 Dec 6-12;312(5994):513-6

Regulation of a collagen gene promoter by the product of viral mos oncogene. Schmidt A, et al. **Nature** 1985 Mar 21-27;314(6008):286-9

Amplification and enhanced expression of the c-myc oncogene in mouse SEWA tumour cells. Schwab M, et al. **Nature** 1985 May 23-29;315(6017):345-7

Human N-myc gene contributes to neoplastic transformation of mammalian cells in culture. Schwab M, et al. **Nature** 1985 Jul 11-17;316(6024):160-2

Biological properties of human c-Ha-ras1 genes mutated at codon 12. Seeburg PH, et al. **Nature** 1984 Nov 1-7;312(5989):71-5

Fused transcript of abl and bcr genes in chronic myelogenous leukaemia. Shtivelman E, et al. **Nature** 1985 Jun 13-19;315(6020):550-4

Oncogenes homologous to steroid receptors? [letter] Sluyser M, et al. **Nature** 1985 Jun 13-19;315(6020):546

Autocrine growth factors and cancer. Sporn MB, et al. **Nature** 1985 Feb 28-Mar 6;313(6005):745-7 (79 ref.)

The product of ras is a GTPase and the T24 oncogenic mutant is deficient in this activity. Sweet RW, et al. **Nature** 1984 Sep 20-26;311(5983):273-5

Primary structure of the alpha-subunit of transducin and its relationship to ras proteins. Tanabe T, et al. **Nature** 1985 May 16-22;315(6016):242-5

Yeast and mammalian ras proteins have conserved biochemical properties. Temeles GL, et al. **Nature** 1985 Feb 21-27;313(6004):700-3

Decreased expression of N-myc precedes retinoic acid-induced morphological differentiation of human neuroblastoma. Thiele CJ, et al. **Nature** 1985 Jan 31–Feb 6;313(6001):404–6

Levels of c–myc oncogene mRNA are invariant throughout the cell cycle. Thompson CB, et al. **Nature** 1985 Mar 28–Apr 3;314(6009):363–6

Monoclonal antibodies define differential ras gene expression in malignant and benign colonic diseases. Thor A, et al. **Nature** 1984 Oct 11–17;311(5986):562–5

Human insulin receptor and its relationship to the tyrosine kinase family of oncogenes. Ullrich A, et al. **Nature** 1985 Feb 28–Mar 6;313(6005):756–61

Variant (6 ; 15) translocation in a murine plasmacytoma occurs near an immunoglobulin kappa gene but far from the myc oncogene. Webb E, et al. **Nature** 1984 Dec 20–1985 Jan 2;312(5996):777–9

Keratinocytes blocked in phorbol ester–responsive early stage of terminal differentiation by sarcoma viruses. Yuspa SH, et al. **Nature** 1985 Apr 4–10;314(6010):459–62

Direct mutagenesis of Ha–ras–1 oncogenes by N–nitroso–N–methylurea during initiation of mammary carcinogenesis in rats. Zarbl H, et al. **Nature** 1985 May 30–Jun 5;315(6018):382–5

Three different mutations in codon 61 of the human N–ras gene detected by synthetic oligonucleotide hybridization. Bos JL, et al. **Nucleic Acids Res** 1984 Dec 11; 12(23):9155–63

A retroviral provirus closely associated with the Ren–2 gene of DBA/2 mice. Burt DW, et al. **Nucleic Acids Res** 1984 Nov 26;12(22):8579–93

Human N–ras: cDNA cloning and gene structure. Hall A, et al. **Nucleic Acids Res** 1985 Jul 25;13(14):5255–68

Nucleotide sequence of the 3' exon of the human N–myc gene. Michitsch RW, et al. **Nucleic Acids Res** 1985 Apr 11;13(7):2545–58

Structural analysis of both products of a reciprocal translocation between c–myc and immunoglobulin loci in Burkitt lymphoma. Moulding C, et al. **Nucleic Acids Res** 1985 Mar 25;13(6):2141–52

Translocation affects normal c–myc promoter usage and activates fifteen cryptic c–myc transcription starts in plasmacytoma M603. Prehn J, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8987–9007

A novel transposon–like repeat interrupted by an LTR element occurs in a cluster of B1 repeats in the mouse c–mos locus. Propst F, et al. **Nucleic Acids Res** 1984 Nov 26;12(22):8381–92

Maternal inheritance of transcripts from three Drosophila src–related genes. Wadsworth SC, et al. **Nucleic Acids Res** 1985 Mar 25;13(6):2153–70

Activation of a human c–K–ras oncogene. Yamamoto F, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8873–85

Oncogenes in laryngeal cancer: serial passage of transformed cellular DNA. Friedman WH, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):346–50

Cancer genes. Sikora K. **Practitioner** 1984 Oct; 228(1396):925–7

Epidermal growth factor precursor is related to the translation product of the Moloney sarcoma virus oncogene mos. Baldwin GS. **Proc Natl Acad Sci USA** 1985 Apr; 82(7):1921–5

Heparin–treated, v–myc–transformed chicken heart mesenchymal cells assume a normal morphology but are hypersensitive to epidermal growth factor (EGF) and brain fibroblast growth factor (bFGF); cells transformed by the v–Ha–ras oncogene are refractory to EGF and bFGF but are hypersensitive to insulin–like growth factors. Balk SD, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5781–5

Human c–fos oncogene mapped within chromosomal region 14q21––––q31. Barker PE, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5826–30

Expression of the metastatic phenotype in cells transfected with human metastatic tumor DNA. Bernstein SC, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1726–30

Cell–cycle–specific genes differentially expressed in human leukemias. Calabretta B, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4463–7

Potential role of the src gene product in inhibition of gap–junctional communication in NIH/3T3 cells. Chang CC, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5360–4

Comparison of chemically induced and spontaneous murine thymic lymphomas in RF and AKR mice: differential expression of c–myc and c–myb. Chinsky J, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):565–9

Antibodies specific for amino acid 12 of the ras oncogene product inhibit GTP binding. Clark R, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5280–4

Suppression of tumorigenicity in hybrids of normal and oncogene–transformed CHEF cells. Craig RW, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2062–6

Increased rate of degradation of c–myc mRNA in interferon–treated Daudi cells. Dani C, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):4896–9

Extreme instability of myc mRNA in normal and transformed human cells. Dani C, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7046–50

Differential efficiencies of in vitro translation of mouse c–myc transcripts differing in the 5' untranslated region. Darveau A, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2315–9

Chromatin structure around the c–myc gene in Burkitt lymphomas with upstream and downstream translocation points. Dyson PJ, et al. **Proc Natl Acad Sci USA** 1985 Apr; 82(7):1984–8

N–myc amplification in multiple homogeneously staining regions in two human neuroblastomas. Emanuel BS, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3736–40

The c–myc oncogene is translocated to the involved chromosome 12 in mouse plasmacytoma. Erikson J, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4212–6

Activation of the c–myc oncogene by the immunoglobulin heavy–chain gene enhancer after multiple switch region–mediated chromosome rearrangements in a murine plasmacytoma. Fahrlander PD, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3746–50

Distinctive effects of the viral oncogenes myc, erb, fps, and src on the differentiation program of quail myogenic cells. Falcone G, et al. **Proc Natl Acad Sci USA** 1985 Jan; 82(2):426–30

On ras gene function in yeast. Fraenkel DG. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4740–4

Frequency of molecular alterations affecting ras protooncogenes in human urinary tract tumors. Fujita J, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3849–53

Detection of a raf–related and two other transforming DNA sequences in human tumors maintained in nude mice. Fukui M, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5954–8

An 8–kilobase abl RNA transcript in chronic myelogenous leukemia. Gale RP, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5648–52

Expression of p21ras in fresh primary and metastatic human colorectal tumors. Gallick GE, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1795–9

Activation of an N–ras gene in acute myeloblastic leukemia through somatic mutation in the first exon. Gambke C, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):879–82

Blockade of autocrine stimulation in simian sarcoma virus–transformed cells reverses down–regulation of platelet–derived growth factor receptors. Garrett JS, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7466–70

Intrinsic GTPase activity distinguishes normal and oncogenic ras p21 molecules. Gibbs JB, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5704–8

Rates of evolution of the retroviral oncogene of Moloney murine sarcoma virus and of its cellular homologues. Gojobori T, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):4198–201

Tumorigenic and metastatic properties of 'normal' and ras–transfected NIH/3T3 cells. Greig RG, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3698–701

Nucleotide sequence of two overlapping myc–related genes in avian carcinoma virus OK10 and their relation to the myc genes of other viruses and the cell. Hayflick J, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2718–22

src– and fps–containing avian sarcoma viruses transform chicken erythroid cells. Kahn P, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7122–6

'Retroposon' insertion into the cellular oncogene c–myc in canine transmissible venereal tumor. Katzir N, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1054–8

c–myc mRNA levels in the cell cycle change in mouse erythroleukemia cells following inducer treatment. Lachman HM, et al. **Proc Natl Acad Sci USA** 1985 Aug; 82(16):5323–7

Viral integration near c–myc in 10–20% of mcf 247–induced AKR lymphomas. Li Y, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6808–11

Transcription of three c–myc exons is enhanced in chicken bursal lymphoma cell lines. Linial M, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):53–7

Guanosine nucleotide binding by highly purified Ha–ras–encoded p21 protein produced in Escherichia coli. Manne V, et al. **Proc Natl Acad Sci USA** 1984 Nov; 81(22):6953–7

Removal of a 67–base–pair sequence in the noncoding region of protooncogene fos converts it to a transforming gene. Meijlink F, et al. **Proc Natl Acad Sci USA** 1985 Aug; 82(15):4987–91

Biological activities of v–myc and rearranged c–myc oncogenes in rat fibroblast cells in culture. Mougneau E, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5758–62

A retroviral myc gene induces preneoplastic transformation of lymphocytes in a bursal transplantation assay. Neiman P, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):222–6

The translocated c–myc oncogene of Raji Burkitt lymphoma cells is not expressed in human lymphoblastoid cells. Nishikura K, et al. **Proc Natl Acad Sci USA** 1985 May; 82(9):2900–4

Friend murine leukemia virus–immortalized myeloid cells are converted into tumorigenic cell lines by Abelson leukemia virus. Oliff A, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3306–10

Cell–type–specific pattern of myc protooncogene expression in developing human embryos. Pfeifer–Ohlsson S, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5050–4

Glycolysis and methylaminoisobutyrate uptake in rat–1 cells transfected with ras or myc oncogenes. Racker E, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3535–8

c–erbB activation in avian leukosis virus–induced erythroblastosis: clustered integration sites and the arrangement of provirus in the c–erbB alleles. Raines MA, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2287–91

The protein encoded by the human proto–oncogene c–myc. Ramsay G, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(24):7742–6

Regulation of c–myc mRNA levels in normal human lymphocytes by modulators of cell proliferation. Reed JC, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4221–4

Overexpression of the c–src protein does not induce transformation of NIH 3T3 cells. Shalloway D, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7071–5

Molecular cloning of an activated human oncogene, homologous to v–raf, from primary stomach cancer. Shimizu K, et al. **Proc Natl Acad Sci USA** 1985 Sep; 82(17):5641–5

Expression of cellular oncogenes during embryonic and fetal development of the mouse. Slamon DJ, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7141–5

The specific induction of myc protooncogene expression in normal human B cells is not a sufficient event for acquisition of competence to proliferate. Smeland E, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6255–9

Effects of two major activating lesions on the structure and conformation of human ras oncogene products. Srivastava SK, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):38–42

Long terminal repeat sequences impart hematopoietic transformation properties to the myeloproliferative sarcoma virus. Stocking C, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5746–50

Transformation of human cells by DNAs ineffective in transformation of NIH 3T3 cells. Sutherland BM, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2399–403

A product of yeast RAS2 gene is a guanine nucleotide binding protein. Tamanoi F, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):6924–8

Efficient generation of antibodies to oncoproteins by using synthetic peptide antigens. Tanaka T, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3400–4

Activation of a translocated c–myc gene: role of structural alterations in the upstream region. Wiman KG, et al. **Proc Natl Acad Sci USA** 1984 Nov:81(21):6798–802

Mouse c–mos oncogene activation is prevented by upstream sequences. Wood TG, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7817–21

Restriction fragment length polymorphism of the human c–fms gene. Xu DQ, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2862–5

N–myc can cooperate with ras to transform normal cells in culture. Yancopoulos GD, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5455–9

The Abelson murine leukemia virus oncogene. Goff SP. **Proc Soc Exp Biol Med** 1985 Sep;179(4):403–12 (66 ref.)

Molecular basis of cancer. Part A: macromolecular structure, carcinogens, and oncogenes. Proceedings of the conference, Buffalo, New York, May 30–June 2, 1984. **Prog Clin Biol Res** 1985;172A:1–576

Amplification of N–myc sequences in primary human neuroblastomas: correlation with advanced disease stage. Brodeur GM, et al. **Prog Clin Biol Res** 1985;175:105–13

Glycosylation changes in membrane glycoproteins after transfection of NIH 3T3 with human tumor DNA. Glick MC, et al. **Prog Clin Biol Res** 1985;175:229–37

A molecular model relating to carcinogenesis. Hopkins RC. **Prog Clin Biol Res** 1985;172A:299–308

Sequence homologies of oncogene proteins: a critical review. Kanehisa M, et al. **Prog Clin Biol Res** 1985;172A:443–52

Conformational properties of oncogene products. Kieber–Emmons T, et al. **Prog Clin Biol Res** 1985; 172A:453–64

Comparison studies of oncogenes in retinoblastoma and neuroblastoma. Lee WH, et al. **Prog Clin Biol Res** 1985; 175:131–9

Oncogenes: targets for immunodiagnosis and chemotherapy? O'Connor TE. **Prog Clin Biol Res** 1985;172A:467–87

Protein structure and oncogenesis. Pincus MR. **Prog Clin Biol Res** 1985;172A:419–30

Mutational activation of proto–oncogenes. Rein R, et al. **Prog Clin Biol Res** 1985;172A:357–68

Expression of the N–ras oncogene in tumorigenic and non–tumorigenic HT 1080 fibrosarcoma X normal human fibroblast hybrid cells. Weissman BE, et al. **Prog Clin Biol Res** 1985;175:141–9 (23 ref.)

Third International Duran–Reynals Symposium: Viruses, Oncogenes, and Cancer. Barcelona, Spain, May 14–17, 1984. **Prog Med Virol** 1985;32:1–215

Oncogenes in human cancers and in chemically induced animal tumors. Barbacid M. **Prog Med Virol** 1985;32:86–100 (51 ref.)

Exploring carcinogenesis with retroviral and cellular oncogenes. Bishop JM. **Prog Med Virol** 1985;32:5–14

Insertion of genes into retrovirus genomes and of retrovirus DNA into cell genomes. Emerman M, et al. **Prog Med Virol** 1985;32:174–88 (30 ref.)

Activation of c–ras oncogenes is associated with tumor induction in experimental animals. Guerrero I, et al. **Prog Med Virol** 1985;32:72–85

Cooperation between cellular oncogenes in the transformation of primary rat embryo fibroblasts. Parada LF, et al. **Prog Med Virol** 1985;32:115–28

Two distinct mechanisms involving growth factors employed in subversion of growth regulation by oncogenes. Waterfield MD. **Prog Med Virol** 1985;32:129–41

Structure and mechanisms of activation of c–K–ras oncogenes in human lung cancer. Yamamoto F, et al. **Prog Med Virol** 1985;32:101–14 (27 ref.)

Cancer, oncogenes and oncofetal antigens. Adinolfi M, et al. **Q J Med** 1985 Mar;54(215):193–204 (61 ref.)

Coexpression of translocated and normal c–myc oncogenes in hybrids between Daudi and lymphoblastoid cells. Croce CM, et al. **Science** 1985 Mar 8;227(4691):1235-8

Superinduction of c-fos by nerve growth factor in the presence of peripherally active benzodiazepines. Curran T, et al. **Science** 1985 Sep 20;229(4719):1265-8

Mammalian and yeast ras gene products: biological function in their heterologous systems. DeFeo-Jones D, et al. **Science** 1985 Apr 12;228(4696):179-84

A region of the Herpesvirus saimiri genome required for oncogenicity. Desrosiers RC, et al. **Science** 1985 Apr 12; 228(4696):184-7

The role of the c-mos gene in the 8;21 translocation in human acute myeloblastic leukemia. Diaz MO, et al. **Science** 1985 Aug 23;229(4715):767-9

Activated proto-onc genes: sufficient or necessary for cancer? Duesberg PH. **Science** 1985 May 10; 228(4700):669-77

Detection of a cellular oncogene in spontaneous liver tumors of B6C3F1 mice. Fox TR, et al. **Science** 1985 May 3; 228(4699):596-7

Detection of c-sis transcripts and synthesis of PDGF-like proteins by human osteosarcoma cells. Graves DT, et al. **Science** 1984 Nov 23;226(4677):972-4

Requirement for a signal sequence in biological expression of the v-sis oncogene. Hannink M, et al. **Science** 1984 Dec 7;226(4679):1197-9

Structure of the GDP domain of EF-Tu and location of the amino acids homologous to ras oncogene proteins. Jurnak F. **Science** 1985 Oct 4;230(4721):32-6

Microinjected c-myc as a competence factor. Kaczmarek L, et al. **Science** 1985 Jun 14;228(4705):1313-5

Transfection of v-rasH DNA into MCF-7 human breast cancer cells bypasses dependence on estrogen for tumorigenicity. Kasid A, et al. **Science** 1985 May 10; 228(4700):725-8

Amplification of a novel v-erbB-related gene in a human mammary carcinoma. King CR, et al. **Science** 1985 Sep 6;229(4717):974-6

Activated expression of the N-myc gene in human neuroblastomas and related tumors. Kohl NE, et al. **Science** 1984 Dec 14;226(4680):1335-7

Sequence of the alpha subunit of photoreceptor G protein: homologies between transducin, ras, and elongation factors. Lochrie MA, et al. **Science** 1985 Apr 5;228(4695):96-9

A model for the tertiary structure of p21, the product of the ras oncogene. McCormick F, et al. **Science** 1985 Oct 4;230(4721):78-82

Oncogene linked to cell regulatory system [news] Marx JL. **Science** 1984 Nov 2;226(4674):527-8

Tumor-prone mice--and myc [news] Marx JL. **Science** 1984 Nov 16;226(4676):823

Autoimmunity and increased c-myb transcription. Mountz JD, et al. **Science** 1984 Nov 30;226(4678):1087-9

Immunoprecipitation of insulin receptors from cultured human lymphocytes (IM-9 cells) by antibodies to pp60src. Perrotti N, et al. **Science** 1985 Feb 15;227(4688):761-3

The product of the c-fms proto-oncogene: a glycoprotein with associated tyrosine kinase activity. Rettenmier CW, et al. **Science** 1985 Apr 19;228(4697):320-2

The neu gene: an erbB-homologous gene distinct from and unlinked to the gene encoding the EGF receptor. Schechter AL, et al. **Science** 1985 Sep 6;229(4717):976-8

Location of the c-yes gene on the human chromosome and its expression in various tissues. Semba K, et al. **Science** 1985 Mar 1;227(4690):1038-40

Activation of the c-myb locus by viral insertional mutagenesis in plasmacytoid lymphosarcomas. Shen-Ong GL, et al. **Science** 1984 Nov 30;226(4678):1077-80

Transcription and promoter usage of the myc gene in normal somatic and spermatogenic cells. Stewart TA, et al. **Science** 1984 Nov 9;226(4675):707-10

Involvement of the bcl-2 gene in human follicular lymphoma. Tsujimoto Y, et al. **Science** 1985 Jun 21;228(4706):1440-3

Transformation of human bronchial epithelial cells transfected by Harvey ras oncogene. Yoakum GH, et al. **Science** 1985 Mar 8;227(4691):1174-9

Germ-line chromosomal localization of genes in chromosome 11p linkage: parathyroid hormone, beta-globin, c-Ha-ras-1, and insulin. Chaganti RS, et al. **Somatic Cell Mol Genet** 1985 Mar;11(2):197-202

Germ-line chromosomal localization of human C-Erb-A oncogene. Jhanwar SC, et al. **Somatic Cell Mol Genet** 1985 Jan;11(1):99-102

Comparative analysis of mouse-human hybrids with rearranged chromosomes 1 by in situ hybridization and Southern blotting: high-resolution mapping of NRAS, NGFB, and AMY on human chromosome 1. Münke M, et al. **Somatic Cell Mol Genet** 1984 Nov;10(6):589-99

Chromosomal localization of three human ras genes by in situ molecular hybridization. Popescu NC, et al. **Somatic Cell Mol Genet** 1985 Mar;11(2):149-55

Proximity of thyroglobulin and c-myc genes on human chromosome 8. Rabin M, et al. **Somatic Cell Mol Genet** 1985 Jul;11(4):397-402

Genetic analysis of tumorigenesis: XXI. Suppressor genes in CHEF cells. Smith BL, et al. **Somatic Cell Mol Genet** 1985 Jan;11(1):25-34

Assignment of three rat cellular RAS oncogenes to chromosomes 1, 4, and X. Szpirer J, et al. **Somatic Cell Mol Genet** 1985 Jan;11(1):93-7

Differential gene expression in autoimmune mice. Mountz JD, et al. **Surv Immunol Res** 1985;4(1):48-64 (67 ref.)

The role of promoter insertion in the induction of neoplasia. Makowski DR, et al. **Surv Synth Pathol Res** 1984;3(4):342-9 (41 ref.)

Oncogene expression in Burkitt's lymphoma. Nowell PC, et al. **Surv Synth Pathol Res** 1984;3(4):350-7 (34 ref.)

The myc oncogene in mouse plasmacytomagenesis. Potter M. **Surv Synth Pathol Res** 1984;3(6):499-509

Human proto-oncogenes, growth factors, and cancer. Aaronson SA, et al. **Symp Fundam Cancer Res** 1984; 37:241-55 (74 ref.)

Cellular oncogenes, growth factors, and cellular growth control. Pardee AB, et al. **Symp Fundam Cancer Res** 1984; 37:21-9

Relationships between chromosomal patterns and protooncogenes in human benign salivary gland tumors. Stenman G, et al. **Tumour Biol** 1984;5(2):103-17

Cellular and molecular changes in 3T3 cells transformed spontaneously or by DNA transfection. Wahrman MZ, et al. **Tumour Biol** 1985;6(1):41-56

Rearrangement and activation of the c-myc gene in avian and human B-cell lymphomas. Wiman KG, et al. **Tumour Biol** 1984;5(5):211-9 (38 ref.)

Avian retrovirus S13: properties of the genome and of the transformation-specific protein. Benedict SH, et al. **Virology** 1985 Aug;145(1):154-64

The four C-terminal amino acids of the v-erbA polypeptide are encoded by an intronic sequence of the v-erbB oncogene. Henry C, et al. **Virology** 1985 Jan 15; 140(1):179-82

The human cellular abl gene product in the chronic myelogenous leukemia cell line K562 has an associated tyrosine protein kinase activity. Kloetzer W, et al. **Virology** 1985 Jan 30;140(2):230-8

Avian erythroblastosis virus E26: nucleotide sequence of the tripartite onc gene and of the LTR, and analysis of the cellular prototype of the viral ets sequence. Nunn M, et al. **Virology** 1984 Dec;139(2):330-9

Mammary tumorigenesis in C3Hf/Ki mice: examination of germinal mouse mammary tumor viruses and the int-1 and int-2 putative proto-oncogenes. Popko BJ, et al. **Virus Res** 1985 Apr;2(3):231-43

[Transforming activity of DNA from primary hepatocellular carcinoma and the 7402 cell line on NIH/3T3 cells] Guo C. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):3-5 (Eng. Abstr.) **(Chi)**

[Rearrangement of the c-myc proto-oncogene locus in a cell line of T-lymphoblastic origin] Caubet JF, et al. **C R Acad Sci [III]** 1985;300(5):171-6 (Eng. Abstr.) **(Fre)**

[Existence of sequences homologous to the V-MYB oncogene in the genome of archaebacteria] Perbal B, et al. **C R Acad Sci [III]** 1985;300(5):177-80 (Eng. Abstr.) **(Fre)**

[Presence of papillomavirus genomes and amplification of the c-myc and C-Ha-ras oncogenes in invasive cancers of the uterine cervix] Riou G, et al. **C R Acad Sci [III]** 1984;299(14):575-80 (Eng. Abstr.) **(Fre)**

[Rearrangement of the proto-oncogene c-myc in fresh cells from Burkitt's leukemia (L3)] Mathieu-Mahul D, et al. **Nouv Rev Fr Hematol** 1985;27(3):157-61 (Eng. Abstr.) **(Fre)**

[Oncogenes and the treatment of cancer] Burny A, et al. **Rev Med Brux** 1985 Apr;6(4):261-4 (Eng. Abstr.) **(Fre)**

[Viruses and cancer] Motte S. **Rev Med Brux** 1984 Dec; 5(10):651-9 (Eng. Abstr.) **(Fre)**

[Mechanisms of activation and function of oncogenes] Diggelmann H. **Schweiz Med Wochenschr** 1984 Oct 6; 114(40):1364-9 (Eng. Abstr.) **(Fre)**

[The red thread: oncogenes and their convergence in cancer research] Vogt PK. **Arzneimittelforsch** 1985;35(2):557-61 **(Ger)**

[Philadelphia translocation and the human c-abl oncogene--relations in the light of molecular genetics] Bartram CR, et al. **Klin Padiatr** 1985 May-Jun; 197(3):196-202 (Eng. Abstr.) **(Ger)**

[Oncogene activation in the leukemias] Moroni C. **Schweiz Med Wochenschr** 1984 Oct 6;114(40):1369-73 (Eng. Abstr.) **(Ger)**

[New knowledge on the molecular mechanism of activation of oncogenes and effect of oncogene DNA on protein synthesis] Kolb E. **Z Gesamte Inn Med** 1984 Dec 15; 39(24):605-11 (Eng. Abstr.) **(Ger)**

[Retrovirus, oncogenes and transformation] Varnier OE, et al. **Quad Sclavo Diagn** 1984 Dec;20(4):418-34 (Eng. Abstr.) **(Ita)**

[Novel transforming genes detected in human stomach cancer cells] Simizu K. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):641-5 (Eng. Abstr.) **(Jpn)**

[A member of the SRC gene family, the c-erbB-1 gene, is closely related to the EGF receptor gene] Yamamoto T, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):632-40 (Eng. Abstr.) **(Jpn)**

[Oncogenes of yeasts] Tsuchida N. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):167 **(Jpn)**

[Leukemogenic genes derived from retrovirus env genes] Amanuma H. **Nippon Rinsho** 1984 Sep;42(9):2145-52 (25 ref.) **(Jpn)**

[Leukemogenic mechanism of chronic myelogenous leukemia] Kawakami T. **Seikagaku** 1984 Oct;56(10):1272-80 (55 ref.) **(Jpn)**

[Role of cellular oncogenes in the development of neoplasms] Choraży M. **Nowotwory** 1985 Jan-Mar;35(1):1-15 (Eng. Abstr.) **(Pol)**

[Significance of activation of oncogenes in neoplastic transformation] Rakowicz-Szulczyńska EM. **Pol Arch Med Wewn** 1985 Feb;73(2):65-73 **(Pol)**

[Role of the oncogene in the mutagenic activity of bovine adenovirus type 3] Lukash LL, et al. **Biol Nauki** 1985; (5):80-4 (Eng. Abstr.) **(Rus)**

[Regions of the human genome containing homologs of the oncogenes and retrovirus genes. 3. The primary structure of the mos-related region CL-1 from the ORAgp5 locus] Zabarovskiĭ ER, et al. **Bioorg Khim** 1985 Mar;11(3):380-90 (Eng. Abstr.) **(Rus)**

[Absence of point mutation in the 12th codon of the c-Ha-rasl transforming genes of human breast and stomach cancer, melanoma and neuroblastoma] Kniazev PG, et al. **Dokl Akad Nauk SSSR** 1985;282(6):1487-9 **(Rus)**

[Comparative analysis of oncogene expression in normal and tumorous human tissues] Nelkov AM. **Dokl Akad Nauk SSSR** 1984;276(5):1257-9 **(Rus)**

[Coding portion of the human gene related to oncogene c-mos is interrupted by Alu repeats] Zabarovskii ER, et al. **Dokl Akad Nauk SSSR** 1984;277(2):504-8 **(Rus)**

[Role of oncogenes in the genesis of hemoblastoses] Iavorkovskiĭ LI. **Eksp Onkol** 1985;7(3):12-20 (37 ref.) (Eng. Abstr.) **(Rus)**

[Malignant cell transformation and oncogenes] Kiselev FL. **Genetika** 1985 Jun;21(6):885-95 (46 ref.) (Eng. Abstr.) **(Rus)**

[Regions of human genome-containing analogs of oncogenes and retroviral genes. II. A new class of retrovirus-like elements] Chumakov IM, et al. **Mol Biol (Mosk)** 1985 Mar-Apr;19(2):425-32 (Eng. Abstr.) **(Rus)**

[Possible mechanisms of the transforming and tumorigenic effects of DNA-containing animal viruses] Gartel' AL, et al. **Mol Biol (Mosk)** 1985 May-Jun;19(3):581-96 (132 ref.) (Eng. Abstr.) **(Rus)**

[Oncoproteins--the products of oncogenes. Tyrosine protein kinases] Kiselev LL. **Mol Biol (Mosk)** 1985 Mar-Apr; 19(2):309-32 (195 ref.) (Eng. Abstr.) **(Rus)**

[Retroviral oncogenes and their cellular proto-oncogenes] Zabarovskiĭ ER. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):9-35 (139 ref.) (Eng. Abstr.) **(Rus)**

[Identification of the transforming Ha-ras gene in human melanoma, neuroblastoma and breast cancer cells] Kniazev PG, et al. **Vopr Onkol** 1985;31(6):77-85 (Eng. Abstr.) **(Rus)**

[Amplification of nucleotide sequences homologous to the viral myc oncogene in DNA of colonic mucosa in a patient with cancer of the same location] Selts IF, et al. **Vopr Onkol** 1985;31(8):52-6 (Eng. Abstr.) **(Rus)**

[Characteristics of the src transforming gene of viral and cell origin] Blahová S, et al. **Bratisl Lek Listy** 1985 Aug; 84(2):225-31 **(Slo)**

[Oncogenes, intracellular time-bombs] Dabancens A. **Rev Chil Obstet Ginecol** 1984;49(4):280-3 **(Spa)**

DRUG EFFECTS

Retinoic acid treatment of human neuroblastoma cells is associated with decreased N-myc expression. Amatruda TT 3d, et al. **Biochem Biophys Res Commun** 1985 Feb 15; 126(3):1189-95

Two classes of cAMP analogs synergistically inhibit p21 ras protein synthesis and phenotypic transformation of NIH/3T3 cells transfected with Ha-MuSV DNA. Tagliaferri P, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1193-200

The regulation of c-myc by growth signals. Kelly K, et al. **Curr Top Microbiol Immunol** 1984;113:117-26

The genes that carcinogens act upon. Anders F, et al. **Hamatol Bluttransfus** 1985;29:228-52

Increase in frequency of appearance of cadmium-resistant cells induced by various tumor promoters: evidence for the induction of gene amplification. Hayashi K, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:255-9

Phorbol esters increase calcitonin gene transcription and decrease c-myc mRNA levels in cultured human medullary thyroid carcinoma. de Bustros A, et al. **J Biol Chem** 1985 Jan 10;260(1):98-104

Use of the mouse mammary tumor virus long terminal repeat to promote steroid-inducible expression of v-mos. Papkoff J, et al. **J Virol** 1984 Nov;52(2):420-30

Interferon regulates c-myc gene expression in Daudi cells at the post-transcriptional level. Knight E Jr, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1151-4

Physical mechanisms of the activation of oncogenes through carcinogens. Ladik JJ. **Prog Clin Biol Res** 1985; 172A:343-56

Expression of the c-fos gene and of an fos-related gene is stimulated by platelet-derived growth factor. Cochran BH, et al. **Science** 1984 Nov 30;226(4678):1080-2

Oncogene-induced transformation of C3H 10T1/2 cells is enhanced by tumor promoters. Hsiao WL, et al. **Science** 1984 Nov 2;226(4674):552-5

[Oncogenes and cancer chemotherapy with interferons] **Dtsch Med Wochenschr** 1985 Apr 12;110(15):610-1 **(Ger)**

ONCOGENIC VIRUSES

see related

TUMOR VIRUS INFECTIONS

Molecular biology of wound tumor virus. Nuss DL. **Adv Virus Res** 1984;29:57–93 (138 ref.)

Virus-associated cancers in Africa. **IARC Sci Publ** 1984;(63):1–774

Fruit flies, yeasts, and onc genes: developmental biology and cancer research come together. Levine AS. **Med Pediatr Oncol** 1984;12(5):357–74 (91 ref.)

The development of joint scientific cooperation within the framework of CMEA on the problem of 'viral carcinogenesis'. Nadirova GS, et al. **Neoplasma** 1984;31(6):745–9

Third International Duran-Reynals Symposium: Viruses, Oncogenes, and Cancer. Barcelona, Spain, May 14–17, 1984. **Prog Med Virol** 1985;32:1–215

GENETICS

Viruses, genes, and cancer. I. The discovery of cellular oncogenes and their role in neoplasia. Varmus HE. **Cancer** 1985 May 15;55(10):2324–8 (50 ref.)

Expression of cellular oncogenes. Müller R, et al. **Curr Top Microbiol Immunol** 1984;112:73–115 (250 ref.)

Genetic relatedness between intracisternal A particles and other major oncovirus genera. Chiu IM, et al. **Virus Res** 1985 Jul;3(1):1–11

[Viruses and cancer] Motte S. **Rev Med Brux** 1984 Dec;5(10):651–9 (Eng. Abstr.) **(Fre)**

[Oncogens and cancer. Review and a new method for measuring the gene expression in relation to the cell cycle] Andreeff M, et al. **Dtsch Med Wochenschr** 1985 Jan 4;110(1):30–5 **(Ger)**

[Oncogenes--controlling factors of growth and differentiation] Harbers E. **Dtsch Med Wochenschr** 1985 Mar 15;110(11):427–32 **(Ger)**

[Induction of unstable mutations in Drosophila melanogaster by the microinjection of oncogenic viruses and their DNA into early embryos] Gazarian KG, et al. **Genetika (Moskva)** 1984 Aug;20(8):1237–43 (Eng. Abstr.) **(Rus)**

[Possible mechanisms of the transforming and tumorigenic effects of DNA-containing animal viruses] Gartel' AL, et al. **Mol Biol (Mosk)** 1985 May–Jun;19(3):581–96 (132 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Defective immune surveillance in viral carcinogenesis. Purtilo DT. **Lab Invest** 1984 Oct;51(4):373–85 (123 ref.)

[AIDS and the current significance of serological studies for the presence of antibodies against LAV/HTLV III] van Gestel WJ. **Ned Tijdschr Geneeskd** 1985 Feb 2;129(5):233–4 **(Dut)**

PHYSIOLOGY

Oral carcinoma: evidence for viral oncogenesis. Scully C, et al. **Br J Oral Maxillofac Surg** 1984 Oct;22(5):367–71

Nonmelanoma skin cancer, melanomas, warts, and viral oncogenesis. Epstein WL, et al. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 2):960–70 (30 ref.)

ONCOGENS see **CARCINOGENS**

ONCOLOGIC NURSING

Administering cancer treatment: the role of the oncology nurse. Hubbard SM, et al. **Hosp Pract [Off]** 1985 Jul 15;20(7):167–74

[Occupational genetic risk in oncologic radiotherapy nurses] Srb V, et al. **Cas Lek Cesk** 1985 May 31;124(22):690–3 (Eng. Abstr.) **(Cze)**

[The development of oncologic nursing in West Germany] Kleeberg UR. **Onkologie** 1984 Dec;7(6):326–7 **(Ger)**

EDUCATION

18th annual meeting: American Association for Cancer Education. October 30–31, November 1–2, 1984, Valhalla, New York. Abstracts. **Med Pediatr Oncol** 1984;12(6):1A–42A

[Oncologic training of nurses--objectives and program] Pawlicki M. **Nowotwory** 1984 Jul–Sep;34(3):291–3 (Eng. Abstr.) **(Pol)**

ONCOLOGY, MEDICAL see **MEDICAL ONCOLOGY**

ONCOLYTIC VIRUSES

Serologic response to human melanoma lines from patients with melanoma undergoing treatment with vaccinia melanoma oncolysates. Wallack MK, et al. **Surgery** 1984 Oct;96(4):791–800

ONCORNAVIRUSES see **RETROVIRIDAE**

ONCOVIRUSES see **RETROVIRIDAE**

ONDATRA see **CRICETIDAE**

ONDINE'S CURSE see **SLEEP APNEA SYNDROMES**

ONIUM COMPOUNDS

Tetraphenylphosphonium ion is a true indicator of negative plasma-membrane potential in the yeast Rhodotorula glutinis. Experiments under osmotic stress and at low external pH values. Höfer M, et al. **Biochem J** 1985 Feb 1;225(3):815–9

Use of [3H]triphenylmethylphosphonium cation for estimating membrane potential in neuroblastoma cells. Milligan G, et al. **J Neurochem** 1984 Dec;43(6):1515–21

Structure–nephrotoxicity relationships of S-(2-chloroethyl)-DL-cysteine and analogs: role for an episulfonium ion. Elfarra AA, et al. **J Pharmacol Exp Ther** 1985 May;233(2):512–6

ANALYSIS

Voltammetric evaluation of the effective acidities (pKa') for Brønsted acids in aprotic solvents. Barrette WC Jr, et al. **Anal Chem** 1984 Sep;56(11):1890–8

DIAGNOSTIC USE

Membrane potential and catecholamine secretion by bovine adrenal chromaffin cells: use of tetraphenylphosphonium distribution and carbocyanine dye fluorescence. Friedman JE, et al. **J Neurochem** 1985 May;44(5):1391–402

METABOLISM

Increased accumulation of a lipophilic cation (tetraphenylphosphonium) in human embryo fibroblasts after infection with cytomegalovirus. Landini MP, et al. **J Gen Virol** 1984 Dec;65 (Pt 12):2269–72

Effects of alkyl and aryl substitution on the myocardial specificity of radioiodinated phosphonium, arsonium, and ammonium cations. Srivastava PC, et al. **J Med Chem** 1985 Jul;28(7):901–4

Membrane potential and surface potential in mitochondria: uptake and binding of lipophilic cations. Rottenberg H. **J Membr Biol** 1984;81(2):127–38

Use of [3H]triphenylmethylphosphonium cation for estimating membrane potential in neuroblastoma cells. Milligan G, et al. **J Neurochem** 1984 Dec;43(6):1515–21

PHARMACODYNAMICS

Experimentally induced defects of mitochondrial metabolism in rat skeletal muscle. Biological effects of the NADH: coenzyme Q reductase inhibitor diphenyleneiodonium. Hayes DJ, et al. **Biochem J** 1985 Jul 1;229(1):109–17

Triphenylmethylphosphonium blocks the nicotinic acetylcholine receptor noncompetitively. Spivak CE, et al. **Mol Pharmacol** 1985 Feb;27(2):246–55

Three functions of sodium channels in the toad node of Ranvier are altered by trimethyloxonium ions. Gülden KM, et al. **Pflugers Arch** 1985 Jan;403(1):13–20

ONLAYS see **INLAYS**

ONLINE SYSTEMS

On-line documentation of measles–mumps–rubella vaccine inoculation [letter] Wilkins J. **Am J Dis Child** 1985 Oct;139(10):961

Which nursing information system? Steffan S. **Am J Nurs** 1984 Dec;84(12):1527–8

The Birth Defects Information System (BDIS): online information and diagnostic assist. Buyse ML. **Birth Defects** 1984;20(6):85–90

A comprehensive interactive on-line computer system for research and clinical practice in orthodontics. Bhatia SN. **Br J Orthod** 1985 Jan;12(1):15–26

Two cheers for the computer? [editorial] Lock S. **Br Med J [Clin Res]** 1985 Jun 1;290(6482):1609–10

Use of a viewdata system to collect data from a multicentre clinical trial in anaesthesia. Waldron HA, et al. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1059–61

Online searching by microcomputer. Ketchell DS. **Bull Med Libr Assoc** 1984 Oct;72(4):370–2

Getting started with electronic mail. Van Vuren DD, et al. **Bull Med Libr Assoc** 1985 Jul;73(3):267–70

The dentist on line. Henderson BJ. **Can Dent Assoc J** 1984 Dec;50(12):890–2

A computerized database-management system for curriculum analysis. Gotlib D, et al. **Can Med Assoc J** 1984 Oct 15;131(8):861–3

NCI offering computer database on cancer research. Korcok M. **Can Med Assoc J** 1985 Aug 1;133(3):225–7

The physician online [letter] Maes WR. **Can Med Assoc J** 1985 Mar 1;132(5):512

OMA's computerized billing system benefitting physicians. Stoddart E. **Can Med Assoc J** 1985 Aug 1;133(3):228–30

The thermodilution technique in on-line computation of the left ventricular volumes on anaesthetized dogs. Kettunen R. **Cathet Cardiovasc Diagn** 1985;11(1):25–40

On-line epicardial mapping of intraoperative ventricular arrhythmias: initial clinical experience. Downar E, et al. **J Am Coll Cardiol** 1984 Oct;4(4):703–14

Chemical toxicology searching: a comparative study of online data-bases. Bawden D, et al. **J Chem Inf Comput Sci** 1985 Feb;25(1):31–5

Rapid subgraph search using parallelism. Wipke WT, et al. **J Chem Inf Comput Sci** 1984 Nov;24(4):255–62

Medical computing: the remote database. Streiffer RH. **J Miss State Med Assoc** 1985 Jun;26(6):171–3

Quantitation of plasma catecholamines by on-line trace enrichment high performance liquid chromatography with electrochemical detection. Kilts CD, et al. **J Neurosci Methods** 1984 Sep;11(4):257–73

Using a PERT planning network. To manage a nursing service computer system installation. Fralic MF. **J Nurs Adm** 1984 Dec;14(12):29–31

Accessing remote data bases using microcomputers. Saul PD. **J R Coll Gen Pract** 1985 Aug;35(277):384–6

Videotex in medicine: discussion paper. Strickland-Hodge B. **J R Soc Med** 1985 Apr;78(4):315–8

EMG system for online gait analysis. Cozean C, et al. **Med Biol Eng Comput** 1984 Nov;22(6):592–6

Chemical biosensors and on-line patient monitoring. Sibbald A. **Med Instrum** 1985 Jul–Aug;19(4):164–7

Electronic databases. Williams ME. **Science** 1985 Apr 26;228(4698):445–50, 455–6

On-line metabolic monitoring of the heart during cardiac surgery. Khuri SF, et al. **Surg Clin North Am** 1985 Jun;65(3):439–53 (30 ref.)

[Microcomputers in medicine] Schmidt A. **Nord Med** 1985;100(5):160–1 **(Dan)**

[Computer science and bibliography] Binaghi M, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;Spec No:137–66 **(Fre)**

[Computer-assisted genetic files and diagnosis] Schorderet D. **Schweiz Rundsch Med Prax** 1985 Apr 2;74(14):347–50 (Eng. Abstr.) **(Fre)**

[Online input and sensors in patient monitoring] Kubota H. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):523–8 (6 ref.) **(Jpn)**

[An on-line computer system for analyzing cardiotocograms] Moczko J, et al. **Ginekol Pol** 1984 Aug;55(8):611–5 (Eng. Abstr.) **(Pol)**

[Development of an interactive data processing system for human engineering studies] Nidekker IG, et al. **Kosm Biol Aviakosm Med** 1985 May–Jun;19(3):78–81 **(Rus)**

INSTRUMENTATION

The Standard Immunisation Recall System: should it be adopted now or in the future? Petrie W, et al. **Health Bull (Edinb)** 1985 Jul;43(4):167–71

Real-time waveform analysis of multichannel nerve impulses with a multimicroprocessor system. Ikeda M, et al. **Med Biol Eng Comput** 1985 Jan;23(1):23–7

ORGANIZATION & ADMINISTRATION

HIPPOCRATES: an on-line interactive health data retrieval and processing system. Makris P. **Med Inf (Lond)** 1984 Apr–Jun;9(2):79–91

UTILIZATION

Acceptance of viewdata for poisons information. Proudfoot AT, et al. **Br Med J [Clin Res]** 1984 Nov 24;289(6456):1420–1

ONLY CHILD

PSYCHOLOGY

Quality of life, intellectual development and behavioural characteristics of single children in China: evidence from a 1980 survey in Changsha, Hunan Province. Poston DL, et al. **J Biosoc Sci** 1985 Apr;17(2):127–36

ONYCHOMYCOSIS see **TINEA UNGUIUM**

ONYCHOPHAGIA see **NAIL BITING**

OOCYTES

A new set of instruments for sonographically controlled follicular puncture. Trotnow S, et al. **Arch Gynecol** 1985;236(4):211–7

A simplified approach to oocyte recovery for in-vitro fertilization. Little DJ, et al. **Br J Obstet Gynaecol** 1985 Feb;92(2):180–1

A modified technique for aspiration of oocytes from human ovarian follicles [letter] Galen DI, et al. **Fertil Steril** 1985 Sep;44(3):429

Various techniques for oocyte recovery in an in vitro fertilization and embryo transfer program. Belaisch-Allart JC, et al. **J In Vitro Fert Embryo Transfer** 1985 Jun;2(2):99–104

Effects of cryoprotectants on human oocyte [letter] Bernard A, et al. **Lancet** 1985 Mar 16;1(8429):632–3

Pregnancy after perurethral transvesical oocyte recovery and in-vitro fertilisation [letter] Pring D, et al. **Lancet** 1985 Jun 15;1(8442):1395–6

Outpatient in vitro fertilization using transvaginal oocyte retrieval and local anesthesia [letter] Schulman JD, et al. **N Engl J Med** 1985 Jun 20;312(25):1639

Ultrasonically guided aspiration of human oocytes. Lenz S. **Ultrasound Med Biol** 1984 Sep–Oct;10(5):625–8

[Transabdominal aspiration of follicles using ultrasonically controlled puncture--a new method of obtaining human oocytes] Presl J. **Cesk Gynekol** 1984 Sep;49(8):601–2 **(Cze)**

[Collection of human oocytes by percutaneous aspiration using ultrasound] Honda I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):1007–14 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Characterization of the 42-S nucleoprotein particles of Cyprinus carpio oocytes. Villanueva J, et al. **Biochem Int** 1983 Oct;7(4):405-13

5S RNA structure and interaction with transcription factor A. 2. Ribonuclease probe of the 7S particle from Xenopus laevis immature oocytes and RNA exchange properties of the 7S particle. Andersen J, et al. **Biochemistry** 1984 Nov 20;23(24):5759-66

5S RNA structure and interaction with transcription factor A. 1. Ribonuclease probe of the structure of 5S RNA from Xenopus laevis oocytes. Andersen J, et al. **Biochemistry** 1984 Nov 20;23(24):5752-9

Blood group B-specific lectin of Plecoglossus altivelis (Ayu fish) eggs. Sakakibara F, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):103-11

Monoclonal antibodies to lampbrush chromosome antigens of Pleurodeles waltlii. Lacroix JC, et al. **Chromosoma** 1985; 92(1):69-80

Immunological relationship between oocyte nuclear proteins of Xenopus laevis and X. borealis. Dreyer C, et al. **Dev Biol** 1985 Mar;108(1):210-9

The spatial distribution of maternal mRNA is determined by a cortical cytoskeletal domain in Chaetopterus eggs. Jeffery WR. **Dev Biol** 1985 Jul;110(1):217-29

Characterization of DNA-protein complexes from the mitochondria of Xenopus laevis oocytes. Barat M, et al. **Exp Cell Res** 1985 Mar;157(1):207-17

Ion compartmentalization in frog oocytes as demonstrated by X-ray microanalysis. Burovina IV, et al. **Gen Physiol Biophys** 1985 Jun;4(3):309-19

NMR studies of intracellular sodium ions in amphibian oocytes, ovulated eggs, and early embryos. Gupta RK, et al. **J Biol Chem** 1985 Aug 5;260(16):9203-8

Co-existence of two different types of soluble histone complexes in nuclei of Xenopus laevis oocytes. Kleinschmidt JA, et al. **J Biol Chem** 1985 Jan 25; 260(2):1166-76

Phosvitins in Fundulus oocytes and eggs. Preliminary chromatographic and electrophoretic analyses together with biological considerations. Wallace RA, et al. **J Biol Chem** 1985 Sep 15;260(20):11268-74

Karyoskeletal proteins and the organization of the amphibian oocyte nucleus. Benavente R, et al. **J Cell Sci [Suppl]** 1984; 1:161-86

Intermediate filaments in the Xenopus oocyte: the appearance and distribution of cytokeratin-containing filaments. Godsave SF, et al. **J Embryol Exp Morphol** 1984 Oct; 83:157-67

Oocytes and early embryos of Xenopus laevis contain intermediate filaments which react with anti-mammalian vimentin antibodies. Godsave SF, et al. **J Embryol Exp Morphol** 1984 Oct;83:169-87

Lattice parameters as revealed by electron microscopy and a comparison between lipoprotein crystals from cyclostome eggs formed in vivo and in vitro. Lange RH. **J Mol Biol** 1984 Nov 15;179(4):765-8

[Histochemical demonstration of proteins, lipids and polysaccharides in Japanese monkey oocytes] Niimura S, et al. **Jikken Dobutsu** 1985 Jan;34(1):73-6 (Eng. Abstr.) **(Jpn)**

[Granulosa-cell growth factor in oocyte and its transport systems] Takaoka H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jan;37(1):92-8 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Oocyte maturation and fertilization in vitro. Fishel SB. **Acta Eur Fertil** 1985 Jan-Feb;16(1):13-9

Cytological and histochemical observations on the cortical zone of oocytes of a teleost fish, Nandus nandus (Ham). Saxena RC, et al. **Acta Morphol Neerl Scand** 1984 Oct; 22(3):217-31

Mitochondrial reorganization during resumption of arrested meiosis in the mouse oocyte. Van Blerkom J, et al. **Am J Anat** 1984 Nov;171(3):335-55

Comparison between the meiotic activities in the male with hypogonadotropic hypogonadism and in the human fetal ovocytes. de Torres ML, et al. **Ann Genet (Paris)** 1985; 28(2):107-10

Use of various ovarian stimulation methods to improve oocyte and embryo production for human in vitro fertilization. Marrs RP, et al. **Ann NY Acad Sci** 1985; 442:112-8

Modification of the nucleolar structure of the rat oocyte observed just before maturation. Merveille C, et al. **Ann NY Acad Sci** 1985;442:80-7

Chromosome studies of early human embryos: proof of fertilization in uncleaved human oocytes. Mettler L, et al. **Ann NY Acad Sci** 1985;442:458-65

Sperm phagocytosis by corona cells in a human in vitro fertilization system. Pijnenborg R, et al. **Ann NY Acad Sci** 1985;442:310-7

Impairment of human embryo development after abnormal in vitro fertilization. Plachot M, et al. **Ann NY Acad Sci** 1985;442:336-41

Chromosome analysis of human oocytes and embryos fertilized in vitro. Rudak E, et al. **Ann NY Acad Sci** 1985; 442:476-86

Laparoscopy for oocyte recovery. Steptoe P, et al. **Ann NY Acad Sci** 1985;442:178-81

Extracorporeal maturation: Norfolk, 1984. Veeck LL. **Ann NY Acad Sci** 1985;442:357-67

Hormonal correlates with polyspermy. Webster BW, et al. **Ann NY Acad Sci** 1985;442:332-5

Chromosomal preparations from human oocytes. Wramsby H, et al. **Ann NY Acad Sci** 1985;442:455-7

Relationship between human oocyte maturation and different follicular sizes. Tsuji K, et al. **Biol Reprod** 1985 Mar; 32(2):413-7

Heat-shock response in Xenopus oocytes during meiotic maturation and activation. Baltus E, et al. **Cell Differ** 1985 May;16(3):161-8

The number of mitochondria in Xenopus laevis ovulated oocytes. Marinos E. **Cell Differ** 1985 Apr;16(2):139-43

Induced fusion of female gametes and embryonic cells. Vassetzky SG, et al. **Cell Differ** 1985 Apr;16(2):77-82 (52 ref.)

Inhibition by dibutyryl cyclic AMP of the transition to metaphase of mouse oocyte nuclei and its reversal by cell fusion to metaphase oocytes. Clarke HJ, et al. **Dev Biol** 1985 Mar;108(1):32-7

A three-step scheme for gray crescent formation in the rotated axolotl oocyte. Gautier J, et al. **Dev Biol** 1985 Jul; 110(1):192-9

Metabolic, fluorescent dye and electrical coupling between hamster oocytes and cumulus cells during meiotic maturation in vivo and in vitro. Racowsky C, et al. **Dev Biol** 1985 Mar;108(1):191-202

Histone RNA in amphibian oocytes visualized by in situ hybridization to methacrylate-embedded tissue sections. Jamrich M, et al. **EMBO J** 1984 Sep;3(9):1939-43

Dual effect of procaine in sea urchin eggs. Inducer and inhibitor of microtubule assembly. Coffe G, et al. **Exp Cell Res** 1985 Jan;156(1):175-81

Inhibition of denuded mouse oocyte meiotic maturation by tumor-promoting phorbol esters and its reversal by retinoids. Urner F, et al. **Exp Cell Res** 1984 Oct; 154(2):600-5

Correlation of follicular fluid volume with oocyte morphology from follicles stimulated by human menopausal gonadotropin. Simonetti S, et al. **Fertil Steril** 1985 Aug;44(2):177-80

Cytologic investigation of human in vitro fertilization failures. Zenzes MT, et al. **Fertil Steril** 1985 Jun; 43(6):883-91

Hormone-mediated formation of the endocytic complex in mosquito oocytes. Raikhel AS, et al. **Gen Comp Endocrinol** 1985 Mar;57(3):422-33

Cytophotometric evidence for the transformation of oocytes into nurse cells in Drosophila melanogaster. King RC, et al. **Histochemistry** 1985;82(2):131-4

The prophase stages in human foetal oocytes studied by light and electron microscopy. Speed RM. **Hum Genet** 1985; 69(1):69-75

Ultrasonic-guided follicle puncture under local anesthesia. Lenz S. **J In Vitro Fert Embryo Transfer** 1984 Dec; 1(4):239-43

Meiotic competence in vitro of pig oocytes isolated from early antral follicles. Motlik J, et al. **J Reprod Fertil** 1984 Nov;72(2):323-8

Rate and course of atresia during follicular development in the adult cyclic rat. Osman P. **J Reprod Fertil** 1985 Jan; 73(1):261-70

Follicular atresia in relation to oocyte morphology in non-pregnant and pregnant women. Westergaard L. **J Reprod Fertil** 1985 May;74(1):113-8

Localization and induction in early development of Xenopus. Gerhart JC, et al. **Philos Trans R Soc Lond [Biol]** 1984 Dec 4;307(1132):319-30

Nuclear lamins and peripheral nuclear antigens during fertilization and embryogenesis in mice and sea urchins. Schatten G, et al. **Proc Natl Acad Sci USA** 1985 Jul; 82(14):4727-31

Unique effects of spindle inhibitors on mammalian oocyte meiosis. Jagiello G, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):196-202

[Criteria for evaluating the quality of ovocytes and their aptitude for IVF] Testart J. **Ann Biol Clin (Paris)** 1985; 43(1):17-21 (Eng. Abstr.) **(Fre)**

[In vitro parthenogenesis in the human species] Plachot M, et al. **Ann Genet (Paris)** 1984;27(3):158-61 (Eng. Abstr.) **(Fre)**

[Potentiation of the effect of steroid hormones (progesterone and testosterone) inducing the reinitiation of meiosis in Xenopus oocytes in vitro, by inhibitors of phosphatase activity] Le Goascogne C, et al. **C R Acad Sci [III]** 1984; 299(4):89-93 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Steroid secretion by cumulus cells isolated from human preovulatory follicles. Hillensjö T, et al. **Acta Endocrinol (Copenh)** 1985 Mar;108(3):407-13

Different effects of cyclic nucleotide derivatives upon the rat oocyte-cumulus complex in vitro. Törnell J, et al. **Acta Physiol Scand** 1984 Dec;122(4):507-13

Spontaneous maturation in vitro of cumulus-enclosed rat oocytes is inhibited by forskolin. Dekel N, et al. **Biol Reprod** 1984 Sep;31(2):244-50

Induction of muscarinic cholinergic responsiveness in Xenopus oocytes by mRNA isolated from rat brain. Sugiyama H, et al. **Brain Res** 1985 Jul 15;338(2):346-50

gamma-Amino butyric-N-acid sensitivity of mouse and human oocytes. Dolci S, et al. **Dev Biol** 1985 May; 109(1):242-6

Gonadotropins and the timing of progesterone-induced meiotic maturation of Xenopus laevis oocytes. LaMarca MJ, et al. **Dev Biol** 1985 May;109(1):32-40

Testosterone-induced meiotic maturation of Xenopus laevis oocytes: evidence for an early effect in the synergistic action of insulin. Le Goascogne C, et al. **Dev Biol** 1985 May;109(1):9-14

Effect of insulin on meiosis reinitiation induced in vitro by three progestogens in oocytes of the goldfish (Carassius auratus). Lessman CA. **Dev Biol** 1985 Jan;107(1):259-63

Mutagen sensitivity of Drosophila melanogaster: VII. Alkylation mutagenesis of mature and immature oocytes of the excision-deficient mus (2) 201D1 mutant. Badaruddin AS, et al. **Environ Mutagen** 1984;6(5):753-5

Comparative effects of homoplastic pituitary pars distalis homogenate (PDH), pregnant mare serum gonadotrophin (PMSG), human chorionic gonadotrophin (HCG), growth hormone (GH), PMSG + GH, and HCG + GH on oocyte recruitment and development in the long-term hypophysectomized frog, Rana cyanophlyctis (Schn). Pancharatna M, et al. **Gen Comp Endocrinol** 1985 Feb; 57(2):161-71

Cortical reaction and zona hardening in mouse oocytes following exposure to ethanol. Gulyas BJ, et al. **J Exp Zool** 1985 Feb;233(2):269-76

Antagonistic actions of estradiol and tamoxifen upon forskolin-dependent meiotic arrest, intercellular coupling, and the cyclic AMP content of hamster oocyte-cumulus complexes. Racowsky C. **J Exp Zool** 1985 May; 234(2):251-60

Chloride current induced by injection of calcium into Xenopus oocytes. Miledi R, et al. **J Physiol (Lond)** 1984 Dec;357:173-83

Gonadotrophin-induced abnormalities in sheep oocytes after superovulation. Moor RM, et al. **J Reprod Fertil** 1985 May; 74(1):167-72

Effect of forskolin on maintenance of meiotic arrest and stimulation of cumulus expansion, progesterone and cyclic AMP production by pig oocyte-cumulus complexes. Racowsky C. **J Reprod Fertil** 1985 May;74(1):9-21

Testing of 3 chemical compounds for aneuploidy induction in the female mouse. Brook JD, et al. **Mutat Res** 1985 Aug-Sep;157(2-3):215-20

Acetylcholine-induced currents at plasma membrane of the frog oocyte. Toselli M, et al. **Neurosci Lett** 1985 Mar 15; 54(2-3):179-84

Effect of cyclophosphamide on oocyte and follicle number in Sprague-Dawley rats, C57BL/6N and DBA/2N mice. Shiromizu K, et al. **Pediatr Pharmacol (New York)** 1984; 4(4):213-21

beta-Adrenergic induced K+ current in Xenopus oocytes: role of cAMP, inhibition by muscarinic agents. Van Renterghem C, et al. **Proc R Soc Lond [Biol]** 1985 Jan 22;223(1232):389-402

The effect of intraovarian injection of benzo(a)pyrene on primordial oocyte number and ovarian aryl hydrocarbon [benzo(a)pyrene] hydroxylase activity. Shiromizu K, et al. **Toxicol Appl Pharmacol** 1984 Oct;76(1):18-25

Ovarian toxicity of cigarette smoke exposure during pregnancy in mice. Vähäkangas K, et al. **Toxicol Lett** 1985 Apr;25(1):75-80

[Differential cell mutability during oogenesis and exposure to ethyleneimine and ethylmethane sulfonate in different Drosophila melanogaster lines] Shvartsman PIa, et al. **Genetika** 1985 Jun;21(6):958-63 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Inhibition of Xenopus oocyte adenylate cyclase by progesterone: a novel mechanism of action. Sadler SE, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1985; 19:179-94

Effect of spermine on interaction of DNA polymerase alpha from the loach (Misgurnus fossilis) eggs with DNA. Mikhailov VS, et al. **Biochim Biophys Acta** 1984 Oct 5; 783(1):6-14

A fine analysis of glucose-phosphate-isomerase patterns in single preimplantation mouse embryos. Duboule D, et al. **Differentiation** 1985;29(1):25-8

Does the guanine nucleotide regulatory protein Ni mediate progesterone inhibition of Xenopus oocyte adenylate cyclase? Goodhardt M, et al. **EMBO J** 1984 Nov; 3(11):2653-7

Adenylate cyclase activity in zona-free mouse oocytes. Bornslaeger EA, et al. **Exp Cell Res** 1985 Jan;156(1):277-81

Treatment of oocyte membranes with the 2',3'-dialdehyde of guanosine triphosphate reduces progesterone inhibition of adenylyl cyclase. Olate J, et al. **FEBS Lett** 1985 Jun 3;185(1):170-6

Oocyte adenylyl cyclase contains Ni, yet the guanine nucleotide-dependent inhibition by progesterone is not sensitive to pertussis toxin. Olate J, et al. **FEBS Lett** 1984 Sep 17;175(1):25-30

A new allele of the Gpi-1t temporal gene that regulates the expression of glucose phosphate isomerase in mouse oocytes. West JD, et al. **Genet Res** 1984 Oct;44(2):169-81

Progesterone inhibition of Xenopus oocyte adenylate cyclase is not mediated via the Bordetella pertussis toxin substrate. Sadler SE, et al. **Mol Pharmacol** 1984 Nov;26(3):526-31

A protein kinase from Xenopus eggs specific for ribosomal protein S6. Erikson E, et al. **Proc Natl Acad Sci USA** 1985

Feb;82(3):742–6

GROWTH & DEVELOPMENT

Human chorionic gonadotropin and steroid concentrations in human follicular fluid in relation to follicle size and oocyte maturity in stimulated ovarian cycles. Ellsworth LR, et al. **Acta Eur Fertil** 1984 Sep–Oct;15(5):343–6

Alterations within oocytes which predicate abnormal preimplantation development. Peluso JJ. **Acta Eur Fertil** 1984 Sep–Oct;15(5):387–91

Effects of granulosa cells and gonadotrophins on maturation of rabbit oocytes in vitro. Schulz BO, et al. **Arch Gynecol** 1985;236(3):135–43

Roles of cell–to–cell communication in development. Schultz RM. **Biol Reprod** 1985 Feb;32(1):27–42

Cyclic AMP levels during the maturation of Xenopus oocytes. Cicirelli MF, et al. **Dev Biol** 1985 Mar;108(1):254–8

Major protein changes during vitellogenesis and maturation of Fundulus oocytes. Wallace RA, et al. **Dev Biol** 1985 Aug;110(2):492–8

Action potentials dependent on monovalent cations in developing mouse embryos. Yoshida S. **Dev Biol** 1985 Jul;110(1):200–6

Epidermal growth factor induces maturation of rat follicle–enclosed oocytes. Dekel N, et al. **Endocrinology** 1985 Jan;116(1):406–9

Distribution and utilization of 5 S–RNA–binding proteins during the development of Xenopus oocytes. Johnson RM, et al. **Eur J Biochem** 1984 Nov 2;144(3):503–8

Biological effects of trilostane in vitro on oocyte maturation and fertilization in the hamster. Suzuki S, et al. **Experientia** 1984 Nov 15;40(11):1214–7

Pertussis toxin facilitates the progesterone–induced maturation of Xenopus oocyte. Possible role of protein phosphorylation. Mulner O, et al. **FEBS Lett** 1985 Feb 25;181(2):397–402

Effect of serum source on human fertilization and embryonic growth parameters in vitro. Ball GD, et al. **Fertil Steril** 1985 Jul;44(1):75–9

Xenogenous and in vitro fertilization of frozen/thawed primate oocytes and blastomere separation of embryos. DeMayo FJ, et al. **Fertil Steril** 1985 Feb;43(2):295–300

The effect of follicle–stimulating hormone without additional luteinizing hormone on follicular stimulation and oocyte development in normal ovulatory women. Jones GS, et al. **Fertil Steril** 1985 May;43(5):696–702

Removal of the cumulus oophorus from the human oocyte for in vitro fertilization. Mahadevan MM, et al. **Fertil Steril** 1985 Feb;43(2):263–7

Sequential use of clomiphene citrate, human menopausal gonadotropin, and human chorionic gonadotropin in human in vitro fertilization. I. Follicular growth and oocyte suitability. Plachot M, et al. **Fertil Steril** 1985 Feb;43(2):255–62

In vitro induction of Xenopus oocyte maturation by 4–pregnene–17 alpha, 20 beta–diol–3–one. Deshpande AK, et al. **Gen Comp Endocrinol** 1985 Jan;57(1):130–4

Effect of temperature, 17 alpha–hydroxy–20 beta–dihydroprogesterone and prostaglandin F2 alpha on carp oocyte maturation and ovulation in vitro. Epler P, et al. **Gen Comp Endocrinol** 1985 May;58(2):192–201

Gonadotrophin–induced oocyte maturation in the catfish, Heteropneustes fossilis (Bloch), requires steroidogenesis in both interrenal and ovary. Goswami SV, et al. **Gen Comp Endocrinol** 1985 Jan;57(1):53–63

Intrafollicular action of estrogen in regulating pituitary–induced ovarian progesterone synthesis and oocyte maturation in Rana pipiens: temporal relationship and locus of action. Lin YW, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):421–35

Adenosine 3',5'–monophosphate levels in human follicular fluid: relationship to oocyte maturation and achievement of pregnancy after in vitro fertilization. Tarlatzis BC, et al. **J Clin Endocrinol Metab** 1985 Jun;60(6):1111–5

Maturation and fertilization of bovine oocytes in vitro. Ball GD, et al. **J Dairy Sci** 1984 Nov;67(11):2775–85 (58 ref.)

In vitro maturation of bovine cumulus enclosed primary oocytes and their subsequent in vitro fertilization and cleavage. Hensleigh HC, et al. **J Dairy Sci** 1985 Jun;68(6):1456–62

Hypoxanthine is the principal inhibitor of murine oocyte maturation in a low molecular weight fraction of porcine follicular fluid. Downs SM, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):454–8

[Studies on oocyte maturation and mammals and human fertilization] Suzuki S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Sep;36(9):1367–76 **(Jpn)**

[Participation of microfilaments in oocyte maturation in the clawed toad] Riabova LV, et al. **Dokl Akad Nauk SSSR** 1984;277(3):704–6 **(Rus)**

[Effect of certain factors on sheep oocyte maturation when cultured within intact follicles] Murzamadiev AM, et al. **Ontogenez** 1985 Mar–Apr;16(2):190–3 (Eng. Abstr.) **(Rus)**

[Role of follicular cells in the inertia period of oocyte maturation in the common frog] Skoblina MN, et al. **Ontogenez** 1985 Jan–Feb;16(1):44–8 (Eng. Abstr.) **(Rus)**

[Mouse oocyte maturation in vitro at a low concentration of pyruvate in the culture medium] Velikov VIu. **Ontogenez** 1985 Jan–Feb;16(1):76–8 (Eng. Abstr.) **(Rus)**

[Effect of the daily concentration of estradiol on the morphological characteristics of the cumulus–corona–oocyte complex obtained in in vitro fertilization programs] Zegers F, et al. **Rev Chil Obstet Ginecol** 1984;49(5):330–6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Application of monoclonal antibodies for antigen mapping of male and female generative tissue. Mettler L. **Acta Eur Fertil** 1985 Jan–Feb;16(1):35–9

Reactivity of five N–acetylgalactosamine–recognizing lectins with preimplantation embryos, early postimplantation embryos, and teratocarcinoma cells of the mouse. Sato M, et al. **Differentiation** 1985;29(1):29–38

Generation of mouse oocyte monoclonal isoantibodies: their effects and those of antisperm monoclonal antibodies on in vitro fertilization. Lee CY, et al. **J Reprod Immunol** 1985 Jan;7(1):3–13

Translation of Schistosoma mansoni antigens in Xenopus oocytes microinjected with mRNA from adult worms. Pierce RJ, et al. **Mol Biochem Parasitol** 1985 May;15(2):171–88

METABOLISM

Biotin–binding proteins and biotin transport to oocytes. White HB 3d. **Ann NY Acad Sci** 1985;447:202–11

Amphibian oocytes respond to heat shock after the induction of meiotic maturation by hormones. Rojas C, et al. **Biochem Int** 1983 Apr;6(4):517–25

Post–translational modification of exogenous proteins in Xenopus laevis oocytes. Colman A, et al. **Biochem Soc Trans** 1984 Dec;12(6):932–7 (59 ref.)

A specific subunit of vitellogenin that mediates receptor binding. Woods JW, et al. **Biochemistry** 1984 Nov 20;23(24):5774–80

Endosomes transfer yolk proteins to lysosomes in the vitellogenic oocyte of the trout. Busson–Mabillot S. **Biol Cell** 1984;51(1):53–66

Dynamics of zona pellucida formation by the mouse oocyte. An autoradiographic study. Fléchon JE, et al. **Biol Cell** 1984;51(3):403–6

Follicle cell tubular system in the prawn Macrobrachium rosenbergii: a route for exchanges between haemolymph and vitellogenic oocytes? Jugan P, et al. **Biol Cell** 1984;51(3):395–8

Cell type–specific expression of nuclear lamina proteins during development of Xenopus laevis. Benavente R, et al. **Cell** 1985 May;41(1):177–90

Identification of the sequence responsible for the nuclear accumulation of the influenza virus nucleoprotein in Xenopus oocytes. Davey J, et al. **Cell** 1985 Mar;40(3):667–75

Differential expression of multiple U1 small nuclear RNAs in oocytes and embryos of Xenopus laevis. Forbes DJ, et al. **Cell** 1984 Oct;38(3):681–9

Xenopus 5S gene transcription factor, TFIIIA: characterization of a cDNA clone and measurement of RNA levels throughout development. Ginsberg AM, et al. **Cell** 1984 Dec;39(3 Pt 2):479–89

The positive transcription factor of the 5S RNA gene induces a 5S DNA–specific gyration in Xenopus oocyte extracts. Kmiec EB, et al. **Cell** 1985 Jul;41(3):945–53

Early stimulation of phospholipid methylation in Xenopus oocytes by progesterone. Godeau F, et al. **Cell Differ** 1985 Feb;16(1):35–41

Subcellular distribution of ribosomal proteins S6 and eL12. Analysis by autoradiography and immunofluorescence of sections from oocytes of Xenopus laevis. Darmer D, et al. **Cell Tissue Res** 1984;237(2):353–6

Lipid biosynthesis in amphibian oocyte and embryonic cell–free preparations. Alonso TS, et al. **Comp Biochem Physiol [B]** 1984;79(3):395–400

Two–dimensional polyacrylamide gel analysis of changes in protein phosphorylation during maturation of Xenopus oocytes. Maller JL, et al. **Dev Biol** 1985 May;109(1):150–6

Identification of maturation–inducing steroid in a teleost, the amago salmon (Oncorhynchus rhodurus). Nagahama Y, et al. **Dev Biol** 1985 Jun;109(2):428–35

Role of protein synthesis and proteases in production and inactivation of maturation–promoting activity during meiotic maturation of starfish oocytes. Picard A, et al. **Dev Biol** 1985 Jun;109(2):311–20

Maturation of Xenopus oocytes is not accompanied by electrode–detectable calcium changes. Robinson KR. **Dev Biol** 1985 Jun;109(2):504–8

Xenopus hsp 70 genes are constitutively expressed in injected oocytes. Bienz M. **EMBO J** 1984 Nov;3(11):2477–83

Accumulation of the isolated carboxy–terminal domain of histone H1 in the Xenopus oocyte nucleus. Dingwall C, et al. **EMBO J** 1984 Sep;3(9):1933–7

Human globin gene transcription in injected Xenopus oocytes: enhancement by sodium butyrate. Partington GA, et al. **EMBO J** 1984 Dec 1;3(12):2787–92

Separate fractions of mRNA from Torpedo electric organ induce chloride channels and acetylcholine receptors in Xenopus oocytes. Sumikawa K, et al. **EMBO J** 1984 Oct;3(10):2291–4

Identification of a 60–kDa phosphoprotein that binds stored messenger RNA of Xenopus oocytes. Dearsly AL, et al. **Eur J Biochem** 1985 Jul 1;150(1):95–103

Biochemical research on oogenesis. Aminoacyl tRNA turns over in the 42–S particles of Xenopus laevis oocytes, but its ester bond is protected against hydrolysis. Denis H, et al. **Eur J Biochem** 1985 Jun 18;149(3):549–56

Immunological identification of the karyophilic, histone–binding proteins N1 and N2 in somatic cells and oocytes of diverse amphibia. Krohne G. **Exp Cell Res** 1985 May;158(1):205–22

Polyadenylation of histone mRNA in Xenopus oocytes and embryos. Ballantine JE, et al. **FEBS Lett** 1985 Jan 28;180(2):224–8

Human Z alpha 1–antitrypsin accumulates intracellularly and stimulates lysosomal activity when synthesised in the Xenopus oocyte. Bathurst IC, et al. **FEBS Lett** 1985 Apr 22;183(2):304–8

Parthenogenetic activation decreases the polyphosphoinositide content of frog eggs. Le Peuch Cj, et al. **FEBS Lett** 1985 Jul 22;187(1):61–4

Translation of mRNA for human lymphotoxin in microinjected Xenopus oocytes. Wallach D, et al. **FEBS Lett** 1984 Dec 10;178(2):257–63

Metabolism of ecdysteroids during the vitellogenesis of the tick Ornithodoros moubata (Ixodoidea, Argasidae): accumulation of apolar metabolites in the eggs. Connat JL, et al. **Gen Comp Endocrinol** 1984 Oct;56(1):100–10

Progesterone–inhibited phosphorylation of an unique Mr 48,000 protein in the plasma membrane of Xenopus laevis oocytes. Blondeau JP, et al. **J Biol Chem** 1985 Mar 25;260(6):3617–25

Membrane–bound mRNAs are recruited from preinitiated ribonucleoprotein particles in injected Xenopus oocytes. Richter JD, et al. **J Biol Chem** 1985 Apr 10;260(7):4448–54

Galactoside–binding serum lectin of Xenopus laevis. Estrogen–dependent hepatocyte synthesis and relationship to oocyte lectin. Roberson MM, et al. **J Biol Chem** 1985 Sep 15;260(20):11027–32

Stability and movement of mRNAs and their encoded proteins in Xenopus oocytes. Drummond DR, et al. **J Cell Biol** 1985 Apr;100(4):1148–56

Abrogation of cell surface expression of human class I transplantation antigens by an adenovirus protein in Xenopus laevis oocytes. Severinsson L, et al. **J Cell Biol** 1985 Aug;101(2):540–7

Translation and stability of ovalbumin messenger RNA injected into growing oocytes and fertilized ova of mice. Ebert KM, et al. **J Embryol Exp Morphol** 1984 Dec;84:91–103

Production of pyruvate by isolated mouse cumulus cells. Leese HJ, et al. **J Exp Zool** 1985 May;234(2):231–6

Arsenazo III used as a calcium ion indicator in mouse oocytes. Hunter MJ. **J Physiol (Lond)** 1984 Dec;357:387–99

A system for the translation of receptor messenger–RNA and the study of the assembly of functional receptors. Barnard EA, et al. **J Recept Res** 1984;4(1–6):681–704

Glycine transport in mouse eggs and preimplantation embryos. Hobbs JG, et al. **J Reprod Fertil** 1985 May;74(1):77–86

Studies of a plasma membrane steroid receptor in Xenopus oocytes using the synthetic progestin RU 486. Sadler SE, et al. **J Steroid Biochem** 1985 Mar;22(3):419–26

Fidelity of transcription of Xenopus laevis globin genes injected into Xenopus laevis oocytes and unfertilized eggs. Bendig MM, et al. **Mol Cell Biol** 1984 Oct;4(10):2109–19

Microinjection of pp60v–src into Xenopus oocytes increases phosphorylation of ribosomal protein S6 and accelerates the rate of progesterone–induced meiotic maturation. Spivack JG, et al. **Mol Cell Biol** 1984 Aug;4(8):1631–4

A transfer RNAArg gene of Pelargonium chloroplasts, but not a 5S RNA gene, is efficiently transcribed after injection into Xenopus oocyte nuclei. Hellmund D, et al. **Nucleic Acids Res** 1984 Nov 12;12(21):8253–68

Characterization of the RNA binding properties of transcription factor IIIA of Xenopus laevis oocytes. Romaniuk PJ. **Nucleic Acids Res** 1985 Jul 25;13(14):5369–87

Inhibition of Na–alanine cotransport in oocytes of Xenopus laevis during meiotic maturation is voltage–regulated. Jung D, et al. **Pflugers Arch** 1984 Sep;402(1):39–41

Potassium efflux from frog oocytes: effects of temperature, preincubation and injection of a gelatin bead. Edelmann L, et al. **Physiol Chem Phys Med NMR** 1984;16(3):197–207

Choline acetyltransferase and acetylcholine in Xenopus oocytes injected with mRNA from the electric lobe of Torpedo. Gundersen CB, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):608–11

Phosphorylation of ribosomal protein S6 on serine after microinjection of the Abelson murine leukemia virus tyrosine–specific protein kinase into Xenopus oocytes. Maller JL, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):272–6

Messenger RNA from bovine retina induces kainate and glycine receptors in Xenopus oocytes. Parker I, et al. **Proc R Soc Lond [Biol]** 1985 Jul 22;225(1238):99–106

[Biochemical analysis of metabolic processes of the oocyte and preimplantation embryos during fertilization and implantation] Tsutsumi O, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Sep;36(9):1377–86 **(Jpn)**

[Phospholipids and cholesterol in oocytes and embryos of the loach (Misgurnus fossilis)] Goĭda EA, et al. **Ukr Biokhim Zh** 1984 Nov–Dec;56(6):668–71 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

[Cytological paradoxes in the developmental cycle of the coelenterate Polypodium hydriforme--an intracellular parasite from the oocytes of acipenserid fishes] Ralkova EV. **Tsitologiia** 1985 Apr;27(4):391-401 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Method of obtaining human oocytes] Iseev AKh, et al. **Akush Ginekol (Mosk)** 1984 Oct;(10):18-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Gamete quality in human in vitro fertilization. Plachot M, et al. **Acta Eur Fertil** 1984 Nov-Dec;15(6):431-5

Oocyte maturation as regulated by follicular factors. Hillensjö T, et al. **Ann NY Acad Sci** 1985;442:73-9

Specific effects of FSH and LH on follicular development and oocyte retrieval as determined by a program for in vitro fertilization. Seegar Jones GE, et al. **Ann NY Acad Sci** 1985;442:119-22

Comparative effect of clomiphene and clomiphene/hMG on the preovulatory follicles and fertilizability of the oocyte. Testart J, et al. **Ann NY Acad Sci** 1985;442:128-39

Polyspermy in in vitro fertilization of human oocytes: frequency and possible causes. van der Ven HH, et al. **Ann NY Acad Sci** 1985;442:88-95

Studies of insulin action on the amphibian oocyte plasma membrane using NMR, electrophysiological and ion flux techniques. Morrill GA, et al. **Biochim Biophys Acta** 1985 Mar 21;844(3):377-92

Control of meiosis by somatic cells in mice: inheritance of the meiosis I error 'diploidy' and nonexpression in sensitive NMRI/Han oocytes ovulated from chimeras. Bartels I, et al. **Cell Differ** 1984 Dec;15(2-4):189-94

Maturation-inhibiting activity in growing mouse oocytes. Fulka J Jr. **Cell Differ** 1985 Jul;17(1):45-8

In vitro inhibition of tubulin assembly by a ribonucleoprotein complex associated with the free ribosome fraction isolated from Xenopus laevis oocytes: effect at the level of microtubule-associated proteins. Jessus C, et al. **Cell Differ** 1984 Aug;14(3):179-87

Regulation of amphibian oocyte maturation. Maller JL. **Cell Differ** 1985 Jun;16(4):211-21 (91 ref.)

Exocytosis of cortical granules from activated oocytes of the toad, Bufo arenarum. Gómez MI, et al. **Cell Tissue Res** 1984;237(1):191-4

Changes in membrane hydrogen and sodium conductances during progesterone-induced maturation of Ambystoma oocytes. Baud C, et al. **Dev Biol** 1984 Oct;105(2):423-34

Regulation of mouse oocyte maturation: involvement of cyclic AMP phosphodiesterase and calmodulin. Bornslaeger EA, et al. **Dev Biol** 1984 Oct;105(2):488-99

The mitochondrial cloud of Xenopus oocytes: the source of germinal granule material. Heasman J, et al. **Dev Biol** 1984 Oct;105(2):458-69

Repetitive sequence transcripts and U1 RNA in mouse oocytes and eggs. Kaplan G, et al. **Dev Biol** 1985 May;109(1):15-24

Arachidonic acid, 12- and 15-hydroxyeicosatetraenoic acids, eicosapentaenoic acid, and phospholipase A2 induce starfish oocyte maturation. Meijer L, et al. **Dev Biol** 1984 Dec;106(2):368-78

Patterns of ionic current through Drosophila follicles and eggs. Overall R, et al. **Dev Biol** 1985 Mar;108(1):102-19

Rise and fall of protein phosphorylation during meiotic maturation in oocytes of Sabellaria alveolata (polychaete annelid). Peaucellier G, et al. **Dev Biol** 1984 Dec;106(2):267-74

Dynamics of the actin microfilament system in the Tubifex egg during ooplasmic segregation. Shimizu T. **Dev Biol** 1984 Dec;106(2):414-26

Increased intracellular pH is not necessary for ribosomal protein s6 phosphorylation, increased protein synthesis, or germinal vesicle breakdown in Xenopus oocytes. Stith BJ, et al. **Dev Biol** 1985 Feb;107(2):460-9

The maturation response of stage IV, V, and VI Xenopus oocytes to progesterone stimulation in vitro. Wasserman WJ, et al. **Dev Biol** 1984 Oct;105(2):315-24

Germinal vesicle contents are required for the cytoplasmic cycle during meiotic division of starfish oocytes. Yamamoto K. **Dev Biol** 1985 Jan;107(1):213-9

RNAs containing B2 repeated sequences are transcribed in the early stages of mouse embryogenesis. Vasseur M, et al. **EMBO J** 1985 Jul;4(7):1749-53

Microtubule distribution and reorganization in the first cell cycle of fertilized eggs of Lytechinus pictus. Hollenbeck PJ, et al. **Eur J Cell Biol** 1985 May;37:140-8

In vitro fertilization and embryo transfer of rabbit oocytes collected at different times after P-LH injection. Al-Hasani S, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Aug;17(6):417-23

Changes in calmodulin level after fertilization and during first cleavage in the egg of the urodelan amphibian Pleurodeles waltlii. Gallien CL, et al. **Exp Cell Res** 1984 Dec;155(2):397-405

Inositol 1,4,5-triphosphate microinjection triggers activation, but not meiotic maturation in amphibian and starfish oocytes. Picard A, et al. **FEBS Lett** 1985 Mar 25;182(2):446-50

Inhibition of human sperm penetration into zona-free hamster oocytes by proteinase inhibitors. Van der Ven HH, et al. **Fertil Steril** 1985 Apr;43(4):609-16

Plasma cortisol levels of female rainbow trout (Salmo gairdneri) at the end of the reproductive cycle: relationship with oocyte stages. Bry C. **Gen Comp Endocrinol** 1985 Jan;57(1):47-52

Diagnostic value of the hamster oocyte penetration assay [editorial] Aitken RJ. **Int J Androl** 1984 Aug;7(4):273-5

Calcium transients during early development in single starfish (Asterias forbesi) oocytes. Eisen A, et al. **J Cell Biol** 1984 Nov;99(5):1878-82

Active maturation-promoting factor is present in mature mouse oocytes. Sorensen RA, et al. **J Cell Biol** 1985 May;100(5):1637-40

Acetylcholine receptors in monkey and rabbit oocytes. Caratsch C, et al. **J Cell Physiol** 1984 Nov;121(2):415-8

Maturation involves suppression of voltage-gated currents in the frog oocyte. Taglietti V, et al. **J Cell Physiol** 1984 Dec;121(3):576-88

Behaviour of thymocyte nuclei in non-activated and activated mouse oocytes. Czołowska R, et al. **J Cell Sci** 1984 Jul;69:19-34

cAMP in ovine oocytes: localization of synthesis and its action on protein synthesis, phosphorylation, and meiosis. Crosby IM, et al. **J Exp Zool** 1985 May;234(2):307-18

Electrophysiology of in vitro insulin- and progesterone-induced reinitiation of oocyte meiosis in Rana pipiens. Lessman CA, et al. **J Exp Zool** 1984 Aug;231(2):257-66

Amino acids can induce nondisjunction during maturation of mammalian oocytes in vitro. McGaughey RW. **J Exp Zool** 1985 Apr;234(1):161-5

Effect of forskolin on the spontaneous maturation and cyclic AMP content of hamster oocyte-cumulus complexes. Racowsky C. **J Exp Zool** 1985 Apr;234(1):87-96

Induction and disappearance of excitability in the oocyte of Xenopus laevis: a voltage-clamp study. Baud C, et al. **J Physiol (Lond)** 1984 Nov;356:275-89

Slowly inactivating potassium channels induced in Xenopus oocytes by messenger ribonucleic acid from Torpedo brain. Gundersen CB, et al. **J Physiol (Lond)** 1984 Aug;353:231-48

Adenosine-induced K+ current in Xenopus oocyte and the role of adenosine 3',5'-monophosphate. Lotan I, et al. **Mol Pharmacol** 1985 Aug;28(2):170-7

Phorbol ester and sperm activate mouse oocytes by inducing sustained oscillations in cell Ca2+. Cuthbertson KS, et al. **Nature** 1985 Aug 8-14;316(6028):541-2

Inositol 1,4,5-trisphosphate mimics muscarinic response in Xenopus oocytes. Oron Y, et al. **Nature** 1985 Jan 10-18;313(5998):141-3

A voltage-dependent K+ channel controlling the membrane potential in frog oocytes. Peres A, et al. **Pflugers Arch** 1985 Jan;403(1):41-6

Acetylcholine and phorbol esters inhibit potassium currents evoked by adenosine and cAMP in Xenopus oocytes. Dascal N, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):6001-5

Injection of partially purified estrogen receptor protein from Xenopus liver nuclei into oocytes activates the silent vitellogenin locus. Knowland J, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5777-81

Current status of human conception in vitro. Edwards RG. **Proc R Soc Lond [Biol]** 1985 Feb 22;223(1233):417-48 (102 ref.)

A transient inward current elicited by hyperpolarization during serotonin activation in Xenopus oocytes. Parker I, et al. **Proc R Soc Lond [Biol]** 1985 Jan 22;223(1232):279-92

Microtubules during germinal vesicle breakdown (GVBD) of Xenopus oocytes: effect of Ca2+ ionophore A-23187 and taxol. Huchon D, et al. **Reprod Nutr Dev** 1985;25(2):465-79

Fluorescein-diacetate, a fluorescent dye compound stain for rapid evaluation of the viability of mammalian oocytes prior to in vitro studies. Boender J. **Vet Q** 1984 Sep;6(4):236-40

[In vitro fertilization and further development of deep-frozen/thawed mouse oocytes] Michaelis U, et al. **DTW** 1985 Jan 6;92(1):16-8 (Eng. Abstr.) **(Ger)**

[On the effect of an oocyte factor on the formation of cumulus oophorus in human antral follicles] Satoh H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jul;37(7):1185-90 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Studies on chromosome aberrations in the eggs of mice fertilized in vitro after irradiation. II. Chromosome aberrations induced in mature oocytes and fertilized eggs at the pronuclear stage following X-irradiation. Matsuda Y, et al. **Mutat Res** 1985 Sep;151(2):275-80

Dose-related chromosome non-disjunction in female mice after X-irradiation of dictyate oocytes. Tease C. **Mutat Res** 1985 Aug;151(1):109-19

Discrimination between the effects of X-ray irradiation of the mouse oocyte and uterus on the induction of dominant lethals and congenital anomalies. West JD, et al. **Mutat Res** 1985 Apr;149(2):221-30

Discrimination between the effects of X-ray irradiation of the mouse oocyte and uterus on the induction of dominant lethals and congenital anomalies. II. Localised irradiation experiments. West JD, et al. **Mutat Res** 1985 Apr;149(2):231-8

Reproductive and genetic effects of continuous prenatal irradiation in the pig. Erickson BH, et al. **Teratology** 1984 Aug;30(1):99-106

[Effect of irradiating immature oocytes of mice of different ages with low doses of x-ray] Gajewski AK, et al. **Med Dosw Mikrobiol** 1984;36(3):189-94 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Pregnancy after translaparoscopic gamete intrafallopian transfer [letter] Asch RH, et al. **Lancet** 1984 Nov 3;2(8410):1034-5

ULTRASTRUCTURE

Modification of the technique of chromosome studies in mammalian oocytes. Bogajewska G, et al. **Acta Anthropogenet** 1983;7(4):319-29

The origin and distribution of cortical granules in human oocytes with reference to Golgi, nucleolar, and microfilament activity. Sathananthan AH, et al. **Ann NY Acad Sci** 1985;442:251-64

Ultrastructure of maturing human oocytes. Sundström P, et al. **Ann NY Acad Sci** 1985;442:324-31

Interaction between human gametes in vitro: a scanning electron microscopic study. Sundström P. **Arch Androl** 1984;13(1):77-85

Structure of the two distinct types of minichromosomes that are assembled on DNA injected in Xenopus oocytes. Ryoji M, et al. **Cell** 1985 Apr;40(4):923-32

Interaction between rat brain microtubule associated proteins (MAPs) and free ribosomes from Xenopus oocyte: a possible mechanism for the in ovo distribution of MAPs. Jessus C, et al. **Cell Differ** 1984 Oct;14(4):295-301

An ultrastructural study of relationships between the ovarian haemal system, follicle cells, and primary oocytes in the sea star, Asterias rubens. Implications for oocyte nutrition. Beijnink FB, et al. **Cell Tissue Res** 1984;238(2):339-47

Accumulations of membrane-free clathrin-like lattices in the mosquito oocyte. Raikhel AS. **Eur J Cell Biol** 1984 Nov;35(2):279-83

Gap junctions and rhombic particle arrays in the freeze-fractured mouse oocyte-follicle cell complex. van den Hoef MH, et al. **Eur J Cell Biol** 1984 Nov;35(2):312-6

Calcium sequestering activities of reticulum vesicles from Xenopus laevis oocytes. Cartaud A, et al. **Exp Cell Res** 1984 Dec;155(2):565-74

Morphological differentiation of the growing oocyte of Ctenomys torquatus (Rodentia, Octodontidae). Brauer MM. **Experientia** 1985 May 15;41(5):685-7

Cytogenetic investigations on human oocytes and early human embryonic stages. Michelmann HW, et al. **Fertil Steril** 1985 Feb;43(2):320-2

Premelanosomes in the oocytes of Triturus cristatus. Moos J, et al. **Folia Morphol (Praha)** 1985;33(1):99-102

Meiotic maturation in Xenopus oocytes: a link between the cessation of protein secretion and the polarized disappearance of Golgi apparati. Colman A, et al. **J Cell Biol** 1985 Jul;101(1):313-8

Movement of a karyophilic protein through the nuclear pores of oocytes. Feldherr CM, et al. **J Cell Biol** 1984 Dec;99(6):2216-22

Association of perichromatin granules with nuclear pores of growing Chinese hamster oocytes. Takeuchi IK, et al. **J Electron Microsc (Tokyo)** 1984;33(4):388-94

A quantitative study of freeze-fractured biological membranes using an image analyzer. Usui N, et al. **J Electron Microsc (Tokyo)** 1984;33(4):363-70

Differentiation and distribution of annulate lamellae in growing oocytes in the newt, Cynops pyrrhogaster. Imoh H, et al. **J Exp Zool** 1985 May;234(2):261-71

Qualitative and quantitative structural changes during pig oocyte maturation. Cran DG. **J Reprod Fertil** 1985 May;74(1):237-45

Cortical and zona reactions of heat-activated mouse eggs. Komar A, et al. **J Reprod Fertil** 1985 Mar;73(2):479-82

The presence and distribution of gap junctions in the oocyte-follicle cell complex of the zebrafish, Brachydanio rerio. Kessel RG, et al. **J Submicrosc Cytol** 1985 Apr;17(2):239-53

[Ultrastructural changes in female germ cells during the meiotic prophase in the rat: a special study of membranes after cryofracture] Bézard J, et al. **Reprod Nutr Dev** 1984;24(6):865-86 (Eng. Abstr.) **(Fre)**

[In-vitro-fertilization: chromosome analysis of unfertilized human oocytes] Vogel R, et al. **Geburtshilfe Frauenheilkd** 1985 Jun;45(6):382-5 (Eng. Abstr.) **(Ger)**

[Comparative light- and electron microscopy findings in oocytes obtained by laparoscopy during the cycle period close to ovulation] Fliess FR, et al. **Zentralbl Gynakol** 1984;106(13):916-27 (Eng. Abstr.) **(Ger)**

[Nuclear behavior of embryonic cells and growing oocytes from the clawed toad in the cytoplasm of maturing axolotl oocytes] Nikitina LA. **Ontogenez** 1984 Sep-Oct;15(5):535-8 (Eng. Abstr.) **(Rus)**

[Nuclear ultrastructure of the oocytes from human antral follicles. Formation of the karyosphere] Parfenov VN, et al. **Tsitologiia** 1984 Dec;26(12):1343-50 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the fibrillar center in oocyte nucleoli at the diplonema stage in the golden hamster] Zybina EV, et al. **Tsitologiia** 1984 Nov;26(11):1246-9 (Eng. Abstr.) **(Rus)**

OOGENESIS

Dynamics of zona pellucida formation by the mouse oocyte. An autoradiographic study. Fléchon JE, et al. **Biol Cell** 1984;51(3):403-6

A homeo-box-containing gene expressed during oogenesis in Xenopus. Müller MM, et al. **Cell** 1984 Nov;39(1):157-62

Fibronectin synthesis during oogenesis and early development of the amphibian Pleurodeles waltlii. Darribère T, et al. **Cell Differ** 1984 Aug;14(3):171-7

An ultrastructural study of relationships between the ovarian haemal system, follicle cells, and primary oocytes in the sea star, Asterias rubens. Implications for oocyte nutrition. Beijnink FB, et al. **Cell Tissue Res** 1984;238(2):339-47

Chromosome structure and DNA replication in nurse and follicle cells of Drosophila melanogaster. Hammond MP, et al. **Chromosoma** 1985;91(3-4):267-78

The effects of zygotic lethal mutations on female germ-line functions in Drosophila. Perrimon N, et al. **Dev Biol** 1984 Oct;105(2):404-14

Quantitative changes in protein synthesis during oogenesis in Xenopus laevis. Taylor MA, et al. **Dev Biol** 1985 Jul;110(1):230-7

Morphological differentiation of the growing oocyte of Ctenomys torquatus (Rodentia, Octodontidae). Brauer MM. **Experientia** 1985 May 15;41(5):685-7

Is low temperature of the follicular fluid prior to ovulation necessary for normal oocyte development? Grinsted J, et al. **Fertil Steril** 1985 Jan;43(1):34-9

Stockpiling of DNA polymerases during oogenesis and embryogenesis in the frog, Xenopus laevis. Zierler MK, et al. **J Biol Chem** 1985 Jan 25;260(2):974-81

Dynamics of tubulin structures in Xenopus laevis oogenesis. Paleček J, et al. **J Embryol Exp Morphol** 1985 Jun;87:75-86

Differentiation and distribution of annulate lamellae in growing oocytes in the newt, Cynops pyrrhogaster. Imoh H, et al. **J Exp Zool** 1985 May;234(2):261-71

Biphasic pattern of histone gene expression during Drosophila oogenesis. Ruddell A, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3316-9

[Mechanisms regulating ovulation rate and oocyte maturation. Maturation induction and superovulation] Thibault C. **Ann Biol Clin (Paris)** 1985;43(1):7-16 (Eng. Abstr.) **(Fre)**

[Female germ cell development during the meiotic prophase in the rat: criteria for cytoplasmic and nuclear identification of the different stages on thin histological slides] Bézard J, et al. **Reprod Nutr Dev** 1984;24(5A):633-54 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Spontaneous maturation in vitro of cumulus-enclosed rat oocytes is inhibited by forskolin. Dekel N, et al. **Biol Reprod** 1984 Sep;31(2):244-50

Influence of calcium and magnesium deprivation on ovulation and ovum maturation in the perfused rabbit ovary. Kobayashi Y, et al. **Biol Reprod** 1984 Sep;31(2):287-95

[Gametotoxic action of oxytetracycline on the early antenatal oogenesis of mice in in vivo and in vitro experiments] Ignat'eva EL, et al. **Farmakol Toksikol** 1984 Sep-Oct;47(5):75-7 (Eng. Abstr.) **(Rus)**

[Differential cell mutability during oogenesis and exposure to ethyleneimine and ethylmethane sulfonate in different Drosophila melanogaster lines] Shvartsman PIa, et al. **Genetika** 1985 Jun;21(6):958-63 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[DNA repair in Drosophila oogenesis] Tikhomirova MM, et al. **Genetika (Moskva)** 1984 Nov;20(11):1824-9 (Eng. Abstr.) **(Rus)**

OOGONIA see under **OVUM**

OOMYCETES see under **PHYCOMYCETES**

OOPHORITIS

COMPLICATIONS

[Pathogenesis of pain in chronic salpingo-oophoritis] Podzolkova NM, et al. **Akush Ginekol (Mosk)** 1984 Aug;(8):5-9 (52 ref.) **(Rus)**

DIAGNOSIS

[Use of immunologic tuberculin provocation tests in the diagnosis of tuberculosis of the female internal genital organs] Gogebashvili NV, et al. **Probl Tuberk** 1984 Sep;(9):49-51 (Eng. Abstr.) **(Rus)**

METABOLISM

[Histoenzymological and hormonal parallels in the study of the ovaries and uterus in experimental salpingo-oophoritis] Kitaev EM, et al. **Akush Ginekol (Mosk)** 1985 Feb;(2):52-4 **(Rus)**

PATHOLOGY

Experimental immune oophoritis as a model for studying the thymus-ovary interaction: 1. Morphological studies. Ivanova M, et al. **Am J Reprod Immunol** 1984 Oct-Nov;6(3):99-106

Xanthogranulomatous oophoritis: an inflammatory pseudotumor of the ovary. Pace EH, et al. **Int J Gynecol Pathol** 1984;3(4):398-402

THERAPY

[Tolerance of moderate normobaric hypoxia by patients with chronic salpingo-oophoritis] Chizhov AIa, et al. **Akush Ginekol (Mosk)** 1984 Nov;(11):59-62 (Eng. Abstr.) **(Rus)**

[Use of acupuncture in chronic non-specific recurrent salphingo- oophritis] Zharkin NA. **Akush Ginekol (Mosk)** 1984 Aug;(8):48-50 **(Rus)**

[Treatment of chronic salpingo-oophoritis with fluxiorization and low-frequency short-impulse currents] Strugatskii VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):26-30 (Eng. Abstr.) **(Rus)**

OPERATING ROOM NURSING

Hospitalization for miscarriage and delivery outcome among Swedish nurses working in operating rooms 1973-1978. Ericson HA, et al. **Anesth Analg** 1985 Oct;64(10):981-8

Alcohol abuse. One nurse's personal battle. **AORN J** 1985 Apr;41(4):731-4

AORN: Association of Operating Room Nurses: 32d annual congress, Dallas. **AORN J** 1985 Jan;41(1):1-314

Research projects. Obtaining AORN endorsement and funding. Baker JD. **AORN J** 1985 May;41(5):876, 878-9

Pioneer heart surgeon strong advocate for nursing [interview by Rebecca H Adams] DeVries W. **AORN J** 1985 Aug;42(2):181-3

Behind closed doors. Enhancing the image of perioperative nursing. Dieffenbach M. **AORN J** 1985 May;41(5):915, 918-9

Give publishing a try. Step-by-step guidelines for would-be writers. Duffy KL, et al. **AORN J** 1985 Aug;42(2):230-4

Australian nursing. A US nurse visits a Queensland hospital. Gore E. **AORN J** 1985 Aug;42(2):226-8

Newspapers and nursing. The print media image of perioperative nurses. Kalisch PA, et al. **AORN J** 1985 Jul;42(1):30-6, 38-41

Communicating in the OR. Part III: Confrontation. Koerner M, et al. **AORN J** 1985 Aug;42(2):244-7, 250-5, 258-9

Perioperative nursing research. Collaboration between clinical nurse and researcher. Larson E, et al. **AORN J** 1985 May;41(5):868, 870, 872-3

Managing stress in the OR. A collaborative approach. Marcus AL, et al. **AORN J** 1985 Apr;41(4):723-9

Beating the stress connection. Self-hypnosis. Moss V. **AORN J** 1985 Apr;41(4):720-2

Nursing in Norway. Experiences of an OR nurse. Oberg RA. **AORN J** 1984 Oct;40(4):600-3

Malignant hyperthermia. A peroperative emergency. Rogers AL, et al. **AORN J** 1985 Feb;41(2):369-74

The clinical nurse specialist. The role in the OR. Schramm C. **AORN J** 1985 Mar;41(3):579, 581-3, 586-7

Documenting nursing during local procedures. Speelman JA. **AORN J** 1985 Mar;41(3):644, 647

Stereotactic surgery: often an alternative to craniotomy. Temple AP. **AORN J** 1984 Oct;40(4):543-50

[Antitumor technics in the Oncology Department] Sun DR. **Chung Hua Hu Li Tsa Chih** 1985 Apr;20(2):85-6 **(Chi)**

CLASSIFICATION

Perioperative functions. Classification of knowledge and required skills. Nelson AH, et al. **AORN J** 1985 Jun;41(6):1078, 1080, 1082-3 Passim

EDUCATION

Artificial heart implantation. Nursing protocol, preparation, participation. Elzy PS, et al. **AORN J** 1985 Aug;42(2):171-8

The OR educator's role. Strategies for success. Heyman S. **AORN J** 1985 Jul;42(1):77, 80-2

First assisting for RNs. Planning and implementing a course. Leske JS, et al. **AORN J** 1985 Aug;42(2):185-92

Intraoperative nursing: developing an elective. Nelson JC. **AORN J** 1984 Oct;40(4):564-5

Perioperative nursing goes to college. Rothrock JC. **AORN J** 1984 Dec;40(6):873-7

METHODS

[Nursing in the surgery of omental transplants to the brain] Yang JW. **Chung Hua Hu Li Tsa Chih** 1985 Jun;20(3):144-5 **(Chi)**

STANDARDS

Patient outcome standards for perioperative nursing. **AORN J** 1984 Oct;40(4):578-80

Implementing outcome standards. A planning strategy. Botsford J. **AORN J** 1984 Oct;40(4):572-5

Assessing and improving productivity in the operating room. Davis DL. **AORN J** 1984 Oct;40(4):630-4

Outcome standards at work. A neurosurgical case study. England EF. **AORN J** 1984 Oct;40(4):582-3, 586-7, 591

Infractions in aseptic technique. A research study. Kasal SE. **AORN J** 1985 Mar;41(3):611-3, 616-7, 620

Quality assurance. A design for perioperative nurses. Mackie RJ, et al. **AORN J** 1985 Jul;42(1):58-61, 64-9, 72-6

AORN credentialing vs NCB certification: who to call for what. Stiles P. **AORN J** 1985 Mar;41(3):530-2

[Scrub nurse's experience in the Neurosurgical Department] Wang MR. **Chung Hua Hu Li Tsa Chih** 1985 Apr;20(2):82-4 **(Chi)**

OPERATING ROOMS

Transmission of neonatal listeriosis in a delivery room. Nelson KE, et al. **Am J Dis Child** 1985 Sep;139(9):903-5

The evacuated canister method of personal sampling. An assessment of its suitability for routine monitoring of operating theatre pollution. Gray WM, et al. **Anaesthesia** 1985 Mar;40(3):288-94

Capnographs: a new operating room pollution hazard? [letter] Lawson D, et al. **Anesth Analg** 1985 Mar;64(3):378

Obstetric side brace for the delivery room table [letter] Palmer S, et al. **Anesth Analg** 1984 Nov;63(11):1046-7

Health experiences of operating room personnel. Buring JE, et al. **Anesthesiology** 1985 Mar;62(3):325-30

The health of operating room personnel. Mazze RI, et al. **Anesthesiology** 1985 Mar;62(3):226-8

A neglected source of nitrous oxide in operating room air [letter] Yamashita M, et al. **Anesthesiology** 1985 Feb;62(2):206-7

Trial of the use of masks in the gynaecological operating theatre. Chamberlain GV, et al. **Ann R Coll Surg Engl** 1984 Nov;66(6):432-3

Proposed recommended practices. Radiation safety in the operating room (including lasers). **AORN J** 1984 Dec;40(6):881-6

Monitoring waste nitrous oxide. One medical center's experience. Ackerman J. **AORN J** 1985 May;41(5):895, 897, 898

C-sections in the delivery room. Orienting the staff. Brannan P. **AORN J** 1985 Jun;41(6):1051-3

Anesthetic gas exposure. Protecting the OR environment. Brown DG, et al. **AORN J** 1985 Mar;41(3):590-1, 594, 596 passim

Aseptic rituals unmasked [editorial] Selwyn S. **Br Med J [Clin Res]** 1984 Dec 15;289(6459):1642-3

Mass spectrometry in the operating room [letter] Weiler R, et al. **Can Anaesth Soc J** 1985 Jan;32(1):98

Care in a birth room versus a conventional setting: a controlled trial. Klein M, et al. **Can Med Assoc J** 1984 Dec 15;131(12):1461-6

Day-to-day variations in operating theatre pollution: implications for a routine monitoring strategy. Gray WM, et al. **Health Bull (Edinb)** 1984 Nov;42(6):321-7

Hospital offers high-risk mothers option for birthing room delivery. **Hospitals** 1985 Jan 1;59(1):55

Noise levels in a hospital. Bovenzi M, et al. **Ind Health** 1984;22(2):75-82

A bacteriological study of improvised theatre and personnel in rural blind relief eye camps. Rao PN, et al. **Indian J Pathol Microbiol** 1984 Oct;27(4):317-24

Postoperative wound infections following cardiac surgery: significance of contaminated cases performed in the preceding 48 hours. deSilva MI, et al. **Infect Control** 1984 Aug;5(8):371-7

Prevention of airborne infection during surgery. Howorth FH. **Lancet** 1985 Feb 16;1(8425):386-8

Operating room pollution. Eisenkraft JB. **Mt Sinai J Med (NY)** 1984 Sep;51(5):564-8

[Evaluation of the atmosphere in clean areas in health facilities] Zárská Z, et al. **Cesk Epidemiol Mikrobiol Imunol** 1985 May;34(3):163-9 (Eng. Abstr.) **(Cze)**

[Removal of nitrous oxide from delivery rooms] Obel D, et al. **Ugeskr Laeger** 1984 Dec 10;146(50):3907-10 (Eng. Abstr.) **(Dan)**

[Sterile water in the operating room] Petithory JC, et al. **Bull Acad Natl Med (Paris)** 1984 Jan-Feb;168(1-2):255-61 (Eng. Abstr.) **(Fre)**

[Pollution of surgical suites by anesthetic gases. Anti-pollution devices] Mulot A, et al. **Cah Anesthesiol** 1985 Mar;33(2):153-8 (117 ref.) **(Fre)**

[Nonwoven textiles in the operating room] Champault G, et al. **J Chir (Paris)** 1985 Jan;122(1):53-8 (Eng. Abstr.) **(Fre)**

[Prevention and control of B-streptococcal infections in the delivery room and neonatal station] Kohlhoff R, et al. **Z Gesamte Hyg** 1985 Jan;31(1):37-40 (Eng. Abstr.) **(Ger)**

[Contamination by anesthetic gas in operating rooms: measurement of personal exposure and environmental monitoring] Bertoni G, et al. **Ann Ist Super Sanita** 1983;19(2-3):361-7 (Eng. Abstr.) **(Ita)**

[Patient monitoring system in the operating room] Kugimiya T, et al. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):504-9 **(Jpn)**

[Patient monitoring in the obstetrical and neonatal intensive care units] Maeda K. **Iyodenshi To Seitai Kogaku** 1984 Dec;22(7):497-503 **(Jpn)**

[A table for the x-ray localization of eye foreign bodies in the operating room] Posazhennikov AP, et al. **Oftalmol Zh** 1984;(4):248-9 **(Rus)**

[A new automatic system for the elimination of anesthetic gases and vapors] Alepuz Ferrer R, et al. **Rev Esp Anestesiol Reanim** 1985 Jan-Feb;32(1):17-20 (Eng. Abstr.) **(Spa)**

[Protection against pollution caused by anesthetic residues in operating rooms] Palanca Sanfrancisco J, et al. **Rev Esp Anestesiol Reanim** 1985 Mar-Apr;32(2):66-9 (Eng

Abstr.) **(Spa)**

ECONOMICS

Preparing the OR budget. The nurse manager's responsibility. Groah LK. **AORN J** 1985 Mar;41(3):547-53

An OR patient acuity system. Variable billing for surgical services. Hart MM. **AORN J** 1985 Mar;41(3):555-63

OR cost survey. Results of a nationwide study. Nelson AH, et al. **AORN J** 1985 Mar;41(3):569-77

A comparative analysis of newborn outcome in a hospital-based birthing center. Waskerwitz S, et al. **Clin Pediatr (Phila)** 1985 May;24(5):273-7

Under PPS, stringent controls needed in operating room. Fahey B, et al. **Hospitals** 1985 Jun 1;59(11):47-8

HISTORY

The operating room: an historical perspective. Stromberg BV. **J SC Med Assoc** 1985 Jan;81(1):31-3

MANPOWER

Communicating in the OR. Part II: Listening. Koerner M, et al. **AORN J** 1984 Dec;40(6):858-66

Managing stress in the OR. A collaborative approach. Marcus AL, et al. **AORN J** 1985 Apr;41(4):723-9

ORGANIZATION & ADMINISTRATION

Control and accountability of controlled substance administration in the operating room. Moleski RJ, et al. **Anesth Analg** 1985 Oct;64(10):989-95

Scheduling in the operating theatre. Rose MB, et al. **Ann R Coll Surg Engl** 1984 Sep;66(5):372-4

Learning how to manage. A management education series. Binger JL, et al. **AORN J** 1985 Jun;41(6):1060-1, 1064-8

Personnel productivity and cost effectiveness. A model for evaluation in the OR. Hanson RL, et al. **AORN J** 1985 Jun;41(6):1070-1, 1073-4, 1076

Efficient OR scheduling. A study to decrease cancellations. Kelley MG, et al. **AORN J** 1985 Mar;41(3):565-7

Operating room managers play an important role in purchase decisions. Koch N. **AORN J** 1985 Jul;42(1):18-21, 24

Single table OR instrument setup. Streamlining setups and costs. Lunday KK. **AORN J** 1985 Jun;41(6):1055, 1057-8

Computerized OR inventory. Tracking supplies cost-effectively. Weber JM, et al. **AORN J** 1984 Dec;40(6):867-71

Surgically-related applications of computerized operating room data. Martin JB, et al. **Surg Gynecol Obstet** 1985 Jan;160(1):17-9

STANDARDS

Ophthalmology operating room standards and infection control concerns. Saravolatz LD, et al. **Am J Infect Control** 1984 Oct;12(5):271-5

Infractions in aseptic technique. A research study. Kasal SE. **AORN J** 1985 Mar;41(3):611-3, 616-7, 620

Bacterial contamination of floors and other surfaces in operating rooms: a five-year survey. Suzuki A, et al. **J Hyg (Lond)** 1984 Dec;93(3):559-66

Airborne contamination in an operating suite: report of a five-year survey. Suzuki A, et al. **J Hyg (Lond)** 1984 Dec;93(3):567-73

[Bacterial contamination of the air in different operating rooms] Audurier A, et al. **Rev Epidemiol Sante Publique** 1985;33(2):134-41 (Eng. Abstr.) **(Fre)**

TRENDS

Maternity services shift in response to consumer demand. **Hospitals** 1985 Apr 16;59(8):82-4, 88

OPERATIONS RESEARCH

see related

DECISION THEORY
GAME THEORY
INFORMATION THEORY

The power of a procedure for detecting mixture distributions in laterality data. McManus IC. **Cortex** 1984 Sep;20(3):421-6

A Monte Carlo primer for health physicists. Turner JE, et al. **Health Phys** 1985 Jun;48(6):717-33

Alpha level distortions with repeated testing of follow-up dental data. Cohen ME. **J Dent Res** 1984 Oct;63(10):1214-6

Physical characteristics of scattered radiation in diagnostic radiology: Monte Carlo simulation studies. Chan HP, et al. **Med Phys** 1985 Mar-Apr;12(2):152-65

The PRICOR Project: applications of operations research in PHC planning in developing countries. Blumenfeld SN. **Public Health Rev** 1984;12(3-4):279-86

Guidelines for overcoming design problems in family planning operations research. Fisher AA, et al. **Stud Fam Plann** 1985 Mar-Apr;16(2):100-5

[Elaboration, by linear programming, of new products from cereals and legumes] Ballesteros MN. et al. **Arch Latinoam Nutr** 1984 Mar;34(1):130-45 (Eng. Abstr.) **(Spa)**

OPERATOR (GENETICS) see **OPERON**

OPERIDINE see **MEPERIDINE**

OPERON

Regulation of the biotin operon in E. coli. Eisenberg MA. **Ann NY Acad Sci** 1985;447:335-49

The structure of the mer operon. Barrineau P, et al. **Basic Life Sci** 1985;30:707-18

Promoters in the transfer region of plasmid F. Mullineaux P, et al. **Basic Life Sci** 1985;30:605-14

Positive regulation and transcription initiation of xyl operons on TOL plasmid. Nakazawa T, et al. **Basic Life Sci** 1985;30:415-29

Nucleotide sequence of the Rhodospirillum rubrum atp operon. Falk G, et al. **Biochem J** 1985 Jun 1;228(2):391-407

DNA sequence around the Escherichia coli unc operon. Completion of the sequence of a 17 kilobase segment containing asnA, oriC, unc, glmS and phoS. Walker JE, et al. **Biochem J** 1984 Dec 15;224(3):799-815

Bacteriophage T7 E promoter: identification and measurement of kinetics of association with Escherichia coli RNA polymerase. Prosen DE, et al. **Biochemistry** 1985 Apr 23;24(9):2219-27

In vitro characterization of hybrid promoters and altered tryptophan operon promoters. Russell DR, et al. **Biochemistry** 1985 Mar 12;24(6):1410-7

The unc operon. Nucleotide sequence, regulation and structure of ATP-synthase. Walker JE, et al. **Biochim Biophys Acta** 1984 Sep 6;768(2):164-200 (130 ref.)

Indirect effects of the 3'-5' cyclic adenosine monophosphate binding protein (CAP) on the transcription of the malPQ operon in Escherichia coli. Gutierrez C, et al. **Biochimie** 1985 Jan;67(1):145-8

Search for promoter sites of prokaryotic DNA using learning techniques. Sallantin J, et al. **Biochimie** 1985 May;67(5):549-53

Cloning and expression in Escherichia coli of the TL-DNA gene 4 of Agrobacterium tumefaciens under the control of the PR promoter of bacteriophage lambda. Sibold L, et al. **Biochimie** 1984 Jul-Aug;66(7-8):547-56

E. coli ribosomal protein operons: the case of the misplaced genes. Björk GR. **Cell** 1985 Aug;42(1):7-8 (9 ref.)

Conformational change in the DNA associated with an unusual promoter mutation in a tRNA operon of Salmonella. Bossi L, et al. **Cell** 1984 Dec;39(3 Pt 2):643-52

A repressor (MAT alpha 2 Product) and its operator control expression of a set of cell type specific genes in yeast. Johnson AD, et al. **Cell** 1985 Aug;42(1):237-47

The rpsU-dnaG-rpoD macromolecular synthesis operon of E. coli. Lupski JR, et al. **Cell** 1984 Dec;39(2 Pt 1):251-2

Lambda repressor mutations that increase the affinity and specificity of operator binding. Nelson HC, et al. **Cell** 1985 Sep;42(2):549-58

The two promoters of the mouse alpha-amylase gene Amy-1a are differentially activated during parotid gland differentiation. Shaw P, et al. **Cell** 1985 Apr;40(4):907-12

Adenovirus E1a proteins repress transcription from the SV40 early promoter. Velcich A, et al. **Cell** 1985 Mar;40(3):705-16

Primary structure of the himA gene of Escherichia coli: homology with DNA-binding protein HU and association with the phenylalanyl-tRNA synthetase operon. Miller HI. **Cold Spring Harbor Symp Quant Biol** 1984;49:691-8

Mechanism of UTP-modulated attenuation at the pyrE gene of Escherichia coli: an example of operon polarity control through the coupling of translation to transcription. Bonekamp F, et al. **EMBO J** 1984 Dec 1;3(12):2857-61

Negative supercoiling induces spontaneous unwinding of a bacterial promoter. Drew HR, et al. **EMBO J** 1985 Apr;4(4):1025-32

Cloning and expression of the fbc operon encoding the FeS protein, cytochrome b and cytochrome c1 from the Rhodopseudomonas sphaeroides b/c1 complex. Gabellini N, et al. **EMBO J** 1985 Feb;4(2):549-53

Sequence-specific trans-activation of the adenovirus EIIa early promoter by the viral EIV transcription unit. Goding C, et al. **EMBO J** 1985 Jun;4(6):1523-8

Environmental temperature regulates transcription of a virulence pili operon in E. coli. Göransson M, et al. **EMBO J** 1984 Dec 1;3(12):2885-8

Identification and mutational analysis of the promoter for a spinach chloroplast transfer RNA gene. Gruissem W, et al. **EMBO J** 1985 Jul;4(7):1637-44

The promoter of the late p10 gene in the insect nuclear polyhedrosis virus Autographa californica: activation by viral gene products and sensitivity to DNA methylation. Knebel D, et al. **EMBO J** 1985 May;4(5):1301-6

Transcription of the TOL plasmid toluate catabolic pathway operon of Pseudomonas putida is determined by a pair of co-ordinately and positively regulated overlapping promoters. Mermod N, et al. **EMBO J** 1984 Nov;3(11):2461-6

Regulation of the expression of the tufB operon: DNA sequences directly involved in the stringent control. Mizushima-Sugano J, et al. **EMBO J** 1985 Apr;4(4):1053-8

Maturation of Escherichia coli tryptophan operon mRNA: evidence for 3' exonucleolytic processing after rho-dependent termination. Mott JE, et al. **EMBO J** 1985 Jul;4(7):1887-91

In vivo evidence that the nusA and infB genes of E. coli are part of the same multi-gene operon which encodes at least four proteins. Nakamura Y, et al. **EMBO J** 1985 Feb;4(2):527-32

Point mutational analysis of the Xenopus laevis 5S gene promoter. Pieler T, et al. **EMBO J** 1985 Jul;4(7):1847-53

Structure of the Escherichia coli pyrE operon and control of pyrE expression by a UTP modulated intercistronic attentuation. Poulsen P, et al. **EMBO J** 1984 Aug;3(8):1783-90

Stimulation of in vitro transcription from the SV40 early promoter by the enhancer involves a specific trans-acting factor. Wildeman AG, et al. **EMBO J** 1984 Dec 20;3(13):3129-33

Structure of wild-type and mutant repressors and of the control region of the rbt operon of Klebsiella aerogenes. Wu J, et al. **EMBO J** 1985 May;4(5):1339-44

Chromosome translocations clustered 5' of the murine c-myc gene qualitatively affect promoter usage: implications for the site of normal c-myc regulation. Yang JQ, et al. **EMBO J** 1985 Jun;4(6):1441-7

1H NMR study of the interaction of bacteriophage lambda Cro protein with the OR3 operator. II. Assignment of the non-exchangeable proton resonances of the OR3 operator. Hahn KD, et al. **Eur Biophys J** 1985;12(2):87-95

SV40-alpha-globulin hybrid minichromosomes. Differences in DNase I hypersensitivity of promoter and enhancer sequences. Cereghini S, et al. **Eur J Biochem** 1984 Nov 2;144(3):545-53

In vitro transcription initiation from three different Escherichia coli promoters. Effect of supercoiling. Ehrlich R, et al. **Eur J Biochem** 1985 Apr 15;148(2):293-8

Interproton distance measurements in solution for a double-stranded DNA undecamer comprising a portion of the specific target site for the cycliC AMP receptor protein in the gal operon. A nuclear Overhauser enhancement study. Clore GM, et al. **FEBS Lett** 1984 Sep 17;175(1):117-23

Photo CIDNP study on the complex formation of lambda cro protein with OR3. Shirakawa M, et al. **FEBS Lett** 1985 Feb 25;181(2):286-90

Convergent transcription of the Escherichia coli hisG gene cloned in Bacillus subtilis stops in the vicinity of the attenuator. Ferretti L, et al. **Gene** 1984 Jul-Aug;29(1-2):11-9

Alterations in the number of rRNA operons within the Bacillus subtilis genome. Gottlieb P, et al. **Gene** 1985;33(3):259-68

S1 nuclease mapping of the phage Mu mom gene promoter: a model for the regulation of mom expression. Hattman S, et al. **Gene** 1984 Jul-Aug;29(1-2):185-98

Role of DNA regions flanking the tryptophan promoter of Escherichia coli. II. Insertion of lac operator fragments. Herrin GL Jr, et al. **Gene** 1984 Dec;32(3):349-56

IS4 transposition in the attenuator region of the Escherichia coli pheS,T operon. Mayaux JF, et al. **Gene** 1984 Oct;30(1-3):137-46

Expression of cloned calf prochymosin cDNA under control of the tryptophan promoter. Nishimori K, et al. **Gene** 1984 Jul-Aug;29(1-2):41-9

Studies on deo operon regulation in Escherichia coli: cloning and expression of the deoR structural gene. Short SA, et al. **Gene** 1984 Nov;31(1-3):205-11

Functional identification of the fatty acid reductase components encoded in the luminescence operon of Vibrio fischeri. Boylan M, et al. **J Bacteriol** 1985 Sep;163(3):1186-90

Internal promoter in the ilvGEDA transcription unit of Escherichia coli K-12. Calhoun DH, et al. **J Bacteriol** 1985 Jan;161(1):128-32

Separate resistances to arsenate and arsenite (antimonate) encoded by the arsenical resistance operon of R factor R773. Chen CM, et al. **J Bacteriol** 1985 Feb;161(2):758-63

Overproduction of tryptophanyl-tRNA synthetase relieves transcription termination at the Escherichia coli tryptophan operon attenuator. Das A, et al. **J Bacteriol** 1984 Nov;160(2):805-7

Restriction endonuclease analysis of the ilvGEDA operon of members of the family Enterobacteriaceae. Driver RP, et al. **J Bacteriol** 1985 Jun;162(3):1317-9

Identification of the merR gene of R100 by using mer-lac gene and operon fusions. Foster TJ, et al. **J Bacteriol** 1985 Sep;163(3):1153-7

Multiple controls exerted on in vivo expression of the pepN gene in Escherichia coli: studies with pepN-lacZ operon and protein fusion strains. Gharbi S, et al. **J Bacteriol** 1985 Sep;163(3):1191-5

Regulation of transcription of the Escherichia coli phosphoenolpyruvate carboxykinase locus: studies with pck-lacZ operon fusions. Goldie H. **J Bacteriol** 1984 Sep;159(3):832-6

Level of rRNA, not tRNA, synthesis controls transcription of rRNA and tRNA operons in Escherichia coli. Gourse RL, et al. **J Bacteriol** 1984 Dec;160(3):1022-6

Genetic characterization and partial sequence determination of a Treponema pallidum operon expressing two immunogenic membrane proteins in Escherichia coli. Hansen EB, et al. **J Bacteriol** 1985 Jun;162(3):1227-37

Transposon mutagenesis analysis of meta-cleavage pathway operon genes of the TOL plasmid of Pseudomonas putida mt-2. Harayama S, et al. **J Bacteriol** 1984 Oct;160(1):251-5

Construction and application of a promoter-probe plasmid that allows chromogenic identification in Streptomyces lividans. Horinouchi S, et al. **J Bacteriol** 1985 Apr;162(1):406-12

Determination of the transcription initiation site and identification of the protein product of the regulatory gene xylR for xyl operons on the TOL plasmid. Inouye S, et al. **J Bacteriol** 1985 Sep;163(3):863-9

Construction of a tyrP-lac operon fusion strain and its use in the isolation and analysis of mutants derepressed for tyrP expression. Kasian PA, et al. **J Bacteriol** 1984 Oct;160(1):175-83

Correction of the nucleotide sequence of the Citrobacter freundii tryptophan operon regulatory region. Kuroda MI, et al. **J Bacteriol** 1984 Sep;159(3):1063-4

Genetic organization of the afimbrial adhesin operon and nucleotide sequence from a uropathogenic Escherichia coli gene encoding an afimbrial adhesin. Labigne-Roussel A, et al. **J Bacteriol** 1985 Jun;162(3):1285-92

Use of transcriptional repressors to stabilize plasmid copy number of transcriptional fusion vectors. Lambert PF, et al. **J Bacteriol** 1985 Apr;162(1):441-4

Analysis of promoter mutations in the histidine transport operon of Salmonella typhimurium: use of hybrid M13 bacteriophages for cloning, transformation, and sequencing. Lee GS, et al. **J Bacteriol** 1984 Sep;159(3):1000-5

Mapping and spacer identification of rRNA operons of Salmonella typhimurium. Lehner AF, et al. **J Bacteriol** 1984 Nov;160(2):682-6

hisT is part of a multigene operon in Escherichia coli K-12. Marvel CC, et al. **J Bacteriol** 1985 Jan;161(1):60-71

Sequence of the Escherichia coli pheST operon and identification of the himA gene. Mechulam Y, et al. **J Bacteriol** 1985 Aug;163(2):787-91

F factor inhibition of conjugal transfer of broad-host-range plasmid RP4: requirement for the protein product of pif operon regulatory gene pifC. Miller JF, et al. **J Bacteriol** 1985 Sep;163(3):1067-73

Regulation of the F-factor pif operon: pifO, a site required in cis for autoregulation, titrates the pifC product in trans. Miller JF, et al. **J Bacteriol** 1984 Oct;160(1):192-8

Chloramphenicol-inducible gene expression in Bacillus subtilis is independent of the chloramphenicol acetyltransferase structural gene and its promoter. Mongkolsuk S, et al. **J Bacteriol** 1984 Oct;160(1):1-8

Characterization of the Salmonella typhimurium mgl operon and its gene products. Müller N, et al. **J Bacteriol** 1985 Jul;163(1):37-45

Regulation of hutUH operon expression by the catabolite gene activator protein-cyclic AMP complex in Klebsiella aerogenes. Nieuwkoop AJ, et al. **J Bacteriol** 1984 Sep;159(3):934-9

Regulation of single and multicopy his operons in Escherichia coli. Riccio A, et al. **J Bacteriol** 1985 Sep;163(3):1172-9

Role of translation and attenuation in the control of pyrBI operon expression in Escherichia coli K-12. Roland KL, et al. **J Bacteriol** 1985 Sep;163(3):991-9

Mutations in the spoT gene of Salmonella typhimurium: effects on his operon expression. Rudd KE, et al. **J Bacteriol** 1985 Aug;163(2):534-42

Evidence for an internal promoter in the Escherichia coli threonine operon. Saint Girons I, et al. **J Bacteriol** 1985 Jan;161(1):461-2

Cloning of hydrogenase genes and fine structure analysis of an operon essential for H2 metabolism in Escherichia coli. Sankar P, et al. **J Bacteriol** 1985 Apr;162(1):353-60

Mutations that define the promoter of ompF, a gene specifying a major outer membrane porin protein. Taylor RK, et al. **J Bacteriol** 1985 Jun;162(3):1054-60

lon transcriptional regulation of genes necessary for capsular polysaccharide synthesis in Escherichia coli K-12. Trisler P, et al. **J Bacteriol** 1984 Oct;160(1):184-91

Starvation for ilvB operon leader amino acids other than leucine or valine does not increase acetohydroxy acid synthase activity in Escherichia coli. Tsui P, et al. **J Bacteriol** 1985 Jun;162(3):1314-6

Identification and regulation of the glnL operator-promoter of the complex glnALG operon of Escherichia coli. Ueno-Nishio S, et al. **J Bacteriol** 1984 Oct;160(1):379-84

Regulation of expression of the ilvB operon in Salmonella typhimurium. Weinberg RA, et al. **J Bacteriol** 1984 Dec;160(3):833-41

Nucleotide sequence binding specificity of the LexA repressor of Escherichia coli K-12. Wertman KF, et al. **J Bacteriol** 1985 Jul;163(1):376-84

Construction of a promoter-probe vector for a Bacillus subtilis host by using the trpD+ gene of Bacillus amyloliquefaciens. Yoshimura K, et al. **J Bacteriol** 1984 Sep;159(3):905-12

Effect of the replacement of pRoR promoter of lambda dv plasmid by lac promoter on the synthesis of DNA. Hase T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1205-15

Spacing of the -10 and -35 regions in the tac promoter. Effect on its in vivo activity. Brosius J, et al. **J Biol Chem** 1985 Mar 25;260(6):3539-41

Functional analysis of fractionated Drosophila Kc cell tRNA gene transcription components. Burke DJ, et al. **J Biol Chem** 1985 Jan 25;260(2):816-23

A gene encoding rat cholecystokinin. Isolation, nucleotide sequence, and promoter activity. Deschenes RJ, et al. **J Biol Chem** 1985 Jan 25;260(2):1280-6

Nucleotide sequence and transcription of a bacteriophage 29 early promoter. Dobinson KF, et al. **J Biol Chem** 1985 May 25;260(10):5950-5

Pausing of RNA polymerase during in vitro transcription through the ilvB and ilvGEDA attenuator regions of Escherichia coli K12. Hauser CA, et al. **J Biol Chem** 1985 Feb 10;260(3):1765-70

UV cross-linking of the Bacillus subtilis RNA polymerase to DNA in promoter and non-promoter complexes. Hilton MD, et al. **J Biol Chem** 1985 Jul 5;260(13):8121-7

Characterization of the ileS-lsp operon in Escherichia coli. Identification of an open reading frame upstream of the ileS gene and potential promoter(s) for the ileS-lsp operon. Kamio Y, et al. **J Biol Chem** 1985 May 10;260(9):5616-20

Structure of the promoter of the rat type II procollagen gene. Kohno K, et al. **J Biol Chem** 1985 Apr 10;260(7):4441-7

Evidence for the transcript secondary structures predicted to regulate transcription attenuation in the trp operon. Kuroda MI, et al. **J Biol Chem** 1984 Oct 25;259(20):12838-43

Identification of the promoter and first exon of the mouse alpha 1 (III) collagen gene. Liau G, et al. **J Biol Chem** 1985 Mar 25;260(6):3773-7

The effect of a bacteriophage T4-induced polypeptide on host RNA polymerase interaction with promoters. Malik S, et al. **J Biol Chem** 1984 Nov 10;259(21):13292-7

Characterization of the lep operon of Escherichia coli. Identification of the promoter and the gene upstream of the signal peptidase I gene. March PE, et al. **J Biol Chem** 1985 Jun 25;260(12):7206-13

Characterization in vitro of the effect of spacer length on the activity of Escherichia coli RNA polymerase at the TAC promoter. Mulligan ME, et al. **J Biol Chem** 1985 Mar 25;260(6):3529-38

Response of recA-dependent operons to different DNA damage signals. Smith CL. **J Biol Chem** 1985 Aug 25;260(18):10069-74

Characterization of an RNA polymerase I-dependent promoter within the spacer region of yeast ribosomal cistrons. Swanson ME, et al. **J Biol Chem** 1985 Aug 15;260(17):9905-15

Nucleotide sequence and complementation analysis of a polycistronic sporulation operon, spoVA, in Bacillus subtilis. Fort P, et al. **J Gen Microbiol** 1985 May;131 (Pt 5):1091-105

The genome of Bacillus subtilis phage SPP1: structure of an early promoter. Tailor R, et al. **J Gen Microbiol** 1985 May;131 (Pt 5):1259-62

Bacteriophage P2 late promoters. II. Comparison of the four late promoter sequences. Christie GE, et al. **J Mol Biol** 1985 Feb 5;181(3):373-82

Positive control of transcription initiation in Escherichia coli. A base substitution at the Pribnow box renders ompF expression independent of a positive regulator. Dairi T, et al. **J Mol Biol** 1985 Jul 5;184(1):1-6

Simian virus 40 early promoter mutations that affect promoter function and autoregulation by large T antigen. Das GC, et al. **J Mol Biol** 1985 Mar 20;182(2):229-39

Deletion analysis of the Escherichia coli ara PC and PBAD promoters. Dunn TM, et al. **J Mol Biol** 1984 Nov 25;180(1):201-4

Analysis of the requirements for transcription pausing in the tryptophan operon. Fisher RF, et al. **J Mol Biol** 1985 Apr 5;182(3):397-409

Upstream repression and CRP stimulation of the Escherichia coli L-arabinose operon. Hahn S, et al. **J Mol Biol** 1984 Nov 25;180(1):61-72

Regulation of the Escherichia coli L-arabinose operon studied by gel electrophoresis DNA binding assay. Hendrickson W, et al. **J Mol Biol** 1984 Sep 25;178(3):611-28

Nucleotide sequence and transcription of the phenylalanine and tyrosine operons of Escherichia coli K12. Hudson GS, et al. **J Mol Biol** 1984 Dec 25;180(4):1023-51

Characterization by deletion mutagenesis in vitro of the promoter region of ompF, a positively regulated gene of Escherichia coli. Inokuchi K, et al. **J Mol Biol** 1984 Sep 25;178(3):653-68

Identification and characterization of mutants affecting transcription termination at the threonine operon attenuator. Lynn SP, et al. **J Mol Biol** 1985 Jun 25;183(4):529-41

Control of phenylalanyl-tRNA synthetase genetic expression. Site-directed mutagenesis of the pheS, T operon regulatory region in vitro. Mayaux JF, et al. **J Mol Biol** 1985 Jul 5;184(1):31-44

The OR control system of bacteriophage lambda. A physical-chemical model for gene regulation. Shea MA, et al. **J Mol Biol** 1985 Jan 20;181(2):211-30

Attenuation control of the Escherichia coli phenylalanyl-tRNA synthetase operon. Springer M, et al. **J Mol Biol** 1985 Feb 20;181(4):467-78

A mutation in an Escherichia coli ribosomal RNA operon that blocks the production of precursor 23 S ribosomal RNA by RNase III in vivo and in vitro. Stark MJ, et al. **J Mol Biol** 1985 Mar 20;182(2):205-16

Rhodopseudomonas blastica atp operon. Nucleotide sequence and transcription. Tybulewicz VL, et al. **J Mol Biol** 1984 Oct 25;179(2):185-214

Sequence-specific recognition of DNA. Nuclear magnetic resonance assignments and structural comparison of wild-type and mutant lambda OR3 operator DNA. Wemmer DE, et al. **J Mol Biol** 1984 Nov 25;180(1):41-60

Expression of Rhizobium japonicum nifH and nifDK operons can be activated by the Klebsiella pneumonia nifA protein but not by the product of ntrC. Alvarez-Morales A, et al. **MGG** 1985;199(2):306-14

Characterization of the 3' end of the leucine operon of Salmonella typhimurium. Friedberg D, et al. **MGG** 1985;199(3):486-94

Mutations not altering the symmetrical sequences in the trp operator yield a constitutive phenotype. Grosfeld H, et al. **MGG** 1984;195(1-2):358-60

The resolvase protein from the transposon Tn21. Halford SE, et al. **MGG** 1985;200(1):169-75

New regulatory genes involved in the control of transcription initiation at the thr and ilv promoters of Escherichia coli K-12. Johnson DI, et al. **MGG** 1984;195(1-2):70-6

DNA methylation influences trpR promoter activity in Escherichia coli K-12. Marinus MG. **MGG** 1985;200(1):185-6

Physical structure, genetic content and expression of the alkBAC operon. Owen DJ, et al. **MGG** 1984;197(3):373-83

Regulation of the trimethylamine N-oxide (TMAO) reductase in Escherichia coli: analysis of tor::Mud1 operon fusion. Pascal MC, et al. **MGG** 1984;195(1-2):351-5

The hisD-hisC gene border of the Salmonella typhimurium histidine operon. Riggs D, et al. **MGG** 1984;196(3):526-9

Isolation and characterization of lac fusions to two nitrogen-regulated promoters. Stern MJ, et al. **MGG** 1984;195(1-2):219-27

Molecular cloning and characterisation of the gua regulatory region of Escherichia coli K12. Thomas MS, et al. **MGG** 1984;195(1-2):238-45

Isolation and characterization of regulatory mutations affecting the expression of the guaBA operon of Escherichia coli K-12. Tiedeman AA, et al. **MGG** 1984;195(1-2):77-82

Promoter dependence of enhancer activity. Berg PE, et al. **Mol Cell Biol** 1984 Aug;4(8):1664-8

DNase I footprinting shows three protected regions in the promoter of the rRNA genes of Xenopus laevis. Dunaway M, et al. **Mol Cell Biol** 1985 Feb;5(2):313-9

Sequences that regulate the divergent GAL1-GAL10 promoter in Saccharomyces cerevisiae. Johnston M, et al. **Mol Cell Biol** 1984 Aug;4(8):1440-8

Regulation of transcription of the adenovirus EII promoter by EIa gene products: absence of sequence specificity. Kingston RE, et al. **Mol Cell Biol** 1984 Oct;4(10):1970-7

The long terminal repeat of an endogenous intracisternal A-particle gene functions as a promoter when introduced into eucaryotic cells by transfection. Lueders KK, et al. **Mol Cell Biol** 1984 Oct;4(10):2128-35

Effect of intercalating agents on RNA polymerase I promoter selection in Xenopus laevis. Pruitt SC, et al. **Mol Cell Biol** 1984 Dec;4(12):2851-7

Transcription of herpes simplex virus tk sequences under the control of wild-type and mutant human RNA polymerase I promoters. Smale ST, et al. **Mol Cell Biol** 1985 Feb;5(2):352-62

Saccharomyces cerevisiae GAL1-GAL10 divergent promoter region: location and function of the upstream activating sequence UASG. West RW Jr, et al. **Mol Cell Biol** 1984 Nov;4(11):2467-78

Use of lacZ fusions to delimit regulatory elements of the inducible divergent GAL1-GAL10 promoter in Saccharomyces cerevisiae. Yocum RR, et al. **Mol Cell Biol** 1984 Oct;4(10):1985-98

A phage repressor-operator complex at 7 A resolution. Anderson JE, et al. **Nature** 1985 Aug 15-21;316(6029):596-601

Ethylation interference and X-ray crystallography identify similar interactions between 434 repressor and operator. Bushman FD, et al. **Nature** 1985 Aug 15-21;316(6029):651-3

Regulation of a collagen gene promoter by the product of viral mos oncogene. Schmidt A, et al. **Nature** 1985 Mar 21-27;314(6008):286-9

Essential structure of E. coli promoter II. Effect of the sequences around the RNA start point on promoter function. Aoyama T, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):4085-96

Structural features of the hisT operon of Escherichia coli K-12. Arps PJ, et al. **Nucleic Acids Res** 1985 Jul 25;13(14):5297-315

Nucleotide sequence of the alpha ribosomal protein operon of Escherichia coli. Bedwell D, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):3891-903

Effect of superhelicity on the transcription from the tet promoter of pBR322. Abortive initiation and unwinding experiments. Bertrand-Burggraf E, et al. **Nucleic Acids Res** 1984 Oct 25;12(20):7741-52

Evidence that pheV, a gene for tRNAPhe of E. coli is transcribed from tandem promoters. Caillet J, et al. **Nucleic Acids Res** 1985 May 24;13(10):3699-710

Analysis of the promoters for the two immunity genes present in the ColE3-CA38 plasmid using two new promoter probe vectors. Chak KF, et al. **Nucleic Acids Res** 1985 Apr 11;13(7):2519-31

Structure of the galactokinase gene of Escherichia coli, the last (?) gene of the gal operon. Debouck C, et al. **Nucleic Acids Res** 1985 Mar 25;13(6):1841-53

A plasmid vehicle suitable for the molecular cloning and characterization of mammalian promoters. Featherstone MS, et al. **Nucleic Acids Res** 1984 Sep 25;12(18):7235-49

The ilvB locus of Escherichia coli K-12 is an operon encoding both subunits of acetohydroxyacid synthase I. Friden P, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):3979-93

Interaction of cyclic AMP receptor protein with the ilvB biosynthetic operon in E. coli. Friden P, et al.

Nucleic Acids Res 1984 Nov 12;12(21):8145-60

The pathway of E. coli RNA polymerase-promoter complex formation as visualized by footprinting. Hofer B, et al. **Nucleic Acids Res** 1985 Aug 26;13(16):5995-6013

Up-promoter mutations in the lpp gene of Escherichia coli. Inouye S, et al. **Nucleic Acids Res** 1985 May 10; 13(9):3101-10

Diphtheria toxin promoter function in Corynebacterium diphtheriae and Escherichia coli. Kaczorek M, et al. **Nucleic Acids Res** 1985 May 10;13(9):3147-59

Functional RNA polymerase II promoters in solitary retroviral long terminal repeats (LTR-IS elements). Köhrer K, et al. **Nucleic Acids Res** 1985 Apr 11;13(7):2631-45

The sequence of the distal end of the E. coli ribosomal RNA rrnE operon indicates conserved features are shared by rrn operons. Liebke H, et al. **Nucleic Acids Res** 1985 Aug 12;13(15):5515-25

Efficient in vitro synthesis of biologically active RNA and RNA hybridization probes from plasmids containing a bacteriophage SP6 promoter. Melton DA, et al. **Nucleic Acids Res** 1984 Sep 25;12(18):7035-56

Modification of the melting properties of duplex DNA by attachment of a GC-rich DNA sequence as determined by denaturing gradient gel electrophoresis. Myers RM, et al. **Nucleic Acids Res** 1985 May 10;13(9):3111-29

Cis and trans activation of adenovirus IVa2 gene transcription. Natarajan V, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):4067-83

A human IFN-beta 1 gene deleted of promoter sequences upstream from the TATA box is controlled post-transcriptionally by dsRNA. Nir U, et al. **Nucleic Acids Res** 1984 Sep 25;12(18):6979-93

The human urokinase-plasminogen activator gene and its promoter. Riccio A, et al. **Nucleic Acids Res** 1985 Apr 25;13(8):2759-71

A functional map of the nopaline synthase promoter. Shaw CH, et al. **Nucleic Acids Res** 1984 Oct 25;12(20):7831-46

The C. elegans vitellogenin genes: short sequence repeats in the promoter regions and homology to the vertebrate genes. Spieth J, et al. **Nucleic Acids Res** 1985 Jul 25; 13(14):5283-95

The mac promoters: functional hybrid promoters activated by the malT product and repressed by the lacI product. Vidal-Ingigliardi D, et al. **Nucleic Acids Res** 1985 Feb 25; 13(4):1163-72

A convenient technique to compare the efficiency of promoters in Escherichia coli. Vidal-Ingigliardi D, et al. **Nucleic Acids Res** 1985 Aug 26;13(16):5919-26

The nucleotide sequence of the ilvBN operon of Escherichia coli: sequence homologies of the acetohydroxy acid synthase isozymes. Wek RC, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):3995-4010

Structure of the Escherichia coli S10 ribosomal protein operon. Zurawski G, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4521-6

A specialized host-vector system for the in vivo cloning of the trp operon of wild-type and mutant strains of Salmonella typhimurium by generalized transduction. Patterson T, et al. **Plasmid** 1984 Nov;12(3):149-60

Priming of human mitochondrial DNA replication occurs at the light-strand promoter. Chang DD, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):351-5

Consensus sequence for Escherichia coli heat shock gene promoters. Cowing DW, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2679-83

NH2-terminal arm of phage lambda repressor contributes energy and specificity to repressor binding and determines the effects of operator mutations. Eliason JL, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2339-43

'Transactivation' control signals in the promoter of the herpesvirus thymidine kinase gene. ElKareh A, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1002-6

Electron microscopic visualization of trp operon expression in Salmonella typhimurium. French S, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4638-42

Efficient transcription of a protein-coding gene from the RNA polymerase I promoter in transfected cells. Grummt I, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):722-6

A dimer of AraC protein contacts three adjacent major groove regions of the araI DNA site. Hendrickson W, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3129-33

Initiation of transcription from each of the two human mitochondrial promoters requires unique nucleotides at the transcriptional start sites. Hixson JE, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2660-4

Antitermination by both the promoter and the leader regions of an Escherichia coli ribosomal RNA operon. Holben WE, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5073-7

Antitermination of transcription from an Escherichia coli ribosomal RNA promoter. Holben WE, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6789-93

An enhancer-like element in the adenovirus E2 promoter contains sequences essential for uninduced and E1A-induced transcription. Imperiale MJ, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):381-5

Mutational studies with the trp repressor of Escherichia coli support the helix-turn-helix model of repressor recognition of operator DNA. Kelley RL, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):483-7

Structural analysis of the umu operon required for inducible mutagenesis in Escherichia coli. Kitagawa Y, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4336-40

Regulation of aspartate transcarbamoylase synthesis in Escherichia coli: analysis of deletion mutations in the promoter region of the pyrBI operon. Levin HL, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4643-7

Demonstration of two operator elements in gal: in vitro repressor binding studies. Majumdar A, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6100-4

Adenovirus EIIA early promoter: transcriptional control elements and induction by the viral pre-early EIA gene, which appears to be sequence independent. Murthy SC, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2230-4

umuDC and mucAB operons whose products are required for UV light- and chemical-induced mutagenesis: UmuD, MucA, and LexA proteins share homology. Perry KL, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4331-5

Expression of glnA in Escherichia coli is regulated at tandem promoters. Reitzer LJ, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1979-83

A bacteriophage T7 RNA polymerase/promoter system for controlled exclusive expression of specific genes. Tabor S, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1074-8

Characterization of rate-controlling steps in vivo by use of an adjustable expression vector. Walsh K, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3577-81

Promoter elements of genes coding for proteins and modulation of transcription by estrogens and progesterone. Chambon P, et al. **Recent Prog Horm Res** 1984;40:1-42 (139 ref.)

Contribution of promoter to tissue-specific expression of the mouse immunoglobulin kappa gene. Gopal TV, et al. **Science** 1985 Sep 13;229(4718):1102-4

JC virus enhancer-promoter active in human brain cells. Kenney S, et al. **Science** 1984 Dec 14;226(4680):1337-9

Transcription and promoter usage of the myc gene in normal somatic and spermatogenic cells. Stewart TA, et al. **Science** 1984 Nov 9;226(4675):707-10

[Primary structure of the E. coli DNA region preceding the tryptophan operon genes] Gubanov VV, et al. **Bioorg Khim** 1984 Mar;10(3):415-7 (Eng. Abstr.) **(Rus)**

[Achievement of highly efficient expression of cloned genes by constructing hybrid operons] Mashko SV, et al. **Dokl Akad Nauk SSSR** 1984;278(6):1491-6 **(Rus)**

[Transcription of the riboflavin operon in Bacillus subtilis] Osina NK, et al. **Dokl Akad Nauk SSSR** 1985;282(3):737-40 **(Rus)**

[The Shine-Dalgarno sequence and the effectiveness of translation initiation] Khudiakov IuE. **Mol Biol (Mosk)** 1985 May-Jun;19(3):702-16 (Eng. Abstr.) **(Rus)**

[Study of a cloned ribosomal operon region coding for 5.8S rRNA in the loach Misgurnus fossilis L.] Kupriianova NS, et al. **Mol Biol (Mosk)** 1984 Sep-Oct;18(5):1385-95 (Eng. Abstr.) **(Rus)**

[The tRNA genes of pro- and eukaryotes. Organization, structure, transcription] Venkstern TV. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):36-54 (109 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Mercuric ion-resistance operons of plasmid R100 and transposon Tn501: the beginning of the operon including the regulatory region and the first two structural genes. Misra TK, et al. **Proc Natl Acad Sci USA** 1984 Oct; 81(19):5975-9

OPHTHALMIA

CHEMICALLY INDUCED

Measuring drug-induced eye irritation: a simple new clinical assay. Scoville B, et al. **J Clin Pharmacol** 1985 Apr; 25(3):210-8

Respiratory and eye irritation from boron oxide and boric acid dusts. Garabrant DH, et al. **J Occup Med** 1984 Aug; 26(8):584-6

TDI-induced oculorhinitis and bronchial asthma. Paggiaro PL, et al. **J Occup Med** 1985 Jan;27(1):51-2

Use of Halon 1301 in a hospital [letter] Tobacman JK, et al. **J Occup Med** 1984 Sep;26(9):632, 634

Biological activities of partially purified elastase produced by Flavobacterium meningosepticum. Miyazaki S. **Microbiol Immunol** 1984;28(10):1083-92

[Spitting cobra ophthalmia (Naja nigricollis)] Grüntzig J. **Klin Monatsbl Augenheilkd** 1984 Dec;185(6):527-30 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Ultrasonographic findings in endophthalmitis. Chan IM, et al. **Ann Ophthalmol** 1984 Aug;16(8):778-84

Prevalence of mycotic infections of external eye. Mohanty PK, et al. **Indian J Ophthalmol** 1984 May-Jun;32(3):153-5

[Pseudotumors of the orbit (data of the Kazakh Scientific Research Institute of Ophthalmology)] Galimova RZ, et al. **Oftalmol Zh** 1985;(2):102-4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Steroidal and nonsteroidal anti-inflammatory agents. Effect on postsurgical inflammation and blood-aqueous humor barrier breakdown. Sanders DR, et al. **Arch Ophthalmol** 1984 Oct;102(10):1453-6

Initial therapy of enterococcal endophthalmitis and bacterial eye infections: case report. McClain JB, et al. **Milit Med** 1985 Jan;150(1):40-2

[Successful treatment of exogenous fungal endophthalmitis with amphotericin B] Chen J. **Chung Hua Yen Ko Tsa Chih** 1985 Jan;21(1):59-60 **(Chi)**

[Intravitreous administration of antibiotics in the treatment of traumatic endophthalmitis] Nurmamedov NN, et al. **Vestn Oftalmol** 1984 Nov-Dec;(6):18-20 (Eng. Abstr.) **(Rus)**

[Intra-arterial antibiotic administration in treating post-traumatic suppurative endophthalmitis] Val'kova IV, et al. **Vestn Oftalmol** 1985 Jan-Feb;101(1):30-1 (Eng. Abstr.) **(Rus)**

[Treatment Candida albicans endophthalmitis with ketoconazole (letter)] **Med Clin (Barc)** 1985 May 25; 84(20):841 **(Spa)**

ENZYMOLOGY

Changes in lysosomal enzyme activities of eye tissues in endotoxin-induced inflammation. Tsung PK, et al. **Inflammation** 1983 Sep;7(3):257-67

ETIOLOGY

Bacterial endophthalmitis associated with exposed monofilament sutures following corneal transplantation. Confino J, et al. **Am J Ophthalmol** 1985 Feb 15;99(2):111-3

Methicillin- and gentamicin-resistant Staphylococcus epidermidis endophthalmitis after intraocular surgery [letter] Lambert SR, et al. **Am J Ophthalmol** 1985 Jun 15; 99(6):725-6

Endogenous Actinobacillus actinomycetemcomitans endophthalmitis. Donzis PB, et al. **Ann Ophthalmol** 1984 Sep;16(9):858-60

Bilateral endogenous Escherichia coli endophthalmitis. Zakka K, et al. **Ann Ophthalmol** 1985 Mar;17(3):212-3, 215

Gentamicin-resistant Pseudomonas endophthalmitis after penetrating keratoplasty. Insler MS, et al. **Br J Ophthalmol** 1985 Mar;69(3):189-91

Treatment of snake venom ophthalmia. Lath NK, et al. **Cent Afr J Med** 1984 Sep;30(9):175-6

Ocular infections after keratoplasty [editorial] Polack FM. **Cornea** 1984;3(1):3-4

Studies of ocular murine cytomegalovirus infection. Hayashi K, et al. **Invest Ophthalmol Vis Sci** 1985 Apr;26(4):486-93

Phacoanaphylactic endophthalmitis following ECCE and IOL implantation. Apple DJ, et al. **J Am Intraocul Implant Soc** 1984 Fall;10(4):423-4

Ultrastructural changes of polypropylene loops in a chronically inflamed eye. Cameron JD, et al. **J Am Intraocul Implant Soc** 1985 May;11(3):283-6

Acute endogenous endophthalmitis after splenectomy. Gregg CR, et al. **J Tenn Med Assoc** 1985 Jan;78(1):25-6

Proven painless endophthalmitis [letter] Casebeer JC. **Ophthalmic Surg** 1985 Mar;16(3):206

Complications of surgery in glaucoma. Early and late bacterial endophthalmitis following glaucoma filtering surgery. Katz LJ, et al. **Ophthalmology** 1985 Jul; 92(7):959-63

Ocular involvement in patients with fungal infections. McDonnell PJ, et al. **Ophthalmology** 1985 May;92(5):706-9

Late onset endophthalmitis associated with filtering blebs. Mandelbaum S, et al. **Ophthalmology** 1985 Jul;92(7):964-72

Candidal endophthalmitis in Glaswegian heroin addicts: report of an epidemic. Servant JB, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 3):297-308

[Endophthalmitis—a complication following the scleral buckling operation] Wang JZ. **Chung Hua Yen Ko Tsa Chih** 1984 Nov;20(6):347-8 **(Chi)**

[Inflammatory symptomatology in the clinical picture of retinoblastoma] Rehuřek J. **Cesk Oftalmol** 1985 Jul; 41(4):240-3 (Eng. Abstr.) **(Cze)**

[3 pediatric cases of subacute unilateral endophthalmitis] Lacaule F, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul; 84(6-7):813-6 **(Fre)**

[Candida albicans endophthalmitis in drug addicts: apropos of 2 cases] Ravault MP, et al. **Bull Soc Ophtalmol Fr** 1983 Nov;83(11):1307-8 **(Fre)**

[Exophiala jeanselmei (Phialophora jeanselmei)—demonstration in the vitreous body of the eye] Potel J, et al. **Mykosen** 1984 Aug;27(8):380-4 (Eng. Abstr.) **(Ger)**

[Snow ophthalmia among the population of Chukotka] Lantukh VV. **Vestn Oftalmol** 1984 Nov-Dec;(6):65-7 (Eng. Abstr.) **(Rus)**

[Candida endophthalmitis, marker of systemic candidiasis (letter)] Cortés Monedero JL, et al. **Med Clin (Barc)** 1984 Dec 8;83(19):825 **(Spa)**

IMMUNOLOGY

Antigen-antibody reactions in the eye involving complement binding IgG antibodies and their non-complement binding F(ab')2 fragments. Aron S, et al. **Immunol Commun** 1984; 13(4):325-35

METABOLISM

Fibronectin in tears following surgical trauma to the eye. Jensen OL, et al. **Acta Ophthalmol (Copenh)** 1985 Jun; 63(3):346-50

The concentration of lactoferrin in tears during post-operative ocular inflammation. Jensen OL, et al.

Acta Ophthalmol (Copenh) 1985 Jun;63(3):341-5

A rapid HPLC technique for determining levels of histamine in tears from normal and inflamed human eyes. Bettero A, et al. **Food Chem Toxicol** 1985 Feb;23(2):303-4

MICROBIOLOGY

Effect of inoculum size on the induction of endophthalmitis in aphakic rabbit eyes. Shockley RK, et al. **Acta Ophthalmol (Copenh)** 1985 Feb;63(1):35-8

[Pseudomonas aeruginosa corneal ulcer and endophthalmitis. Apropos of 7 cases] Bec P, et al. **Bull Soc Ophtalmol Fr** 1984 Aug-Sep;84(8-9):967-9 **(Fre)**

[Blindness-inducing infections in drug addicts] Radnót M. **Morphol Igazsagugyi Orv Sz** 1984 Jul;24(3):218-9 **(Hun)**

[Changes in the antibiotic sensitivity of pathogenic Staphylococcus in inflammatory eye diseases] Maichuk IuF, et al. **Oftalmol Zh** 1984;(4):220-1 (Eng. Abstr.) **(Rus)**

[Cutaneous pustulosis caused by Candida albicans and endophthalmitis in a patient addicted to heroin (letter)] Pinilla Moraza J, et al. **Med Clin (Barc)** 1984 Oct 27; 83(13):557 **(Spa)**

OCCURRENCE

Epidemic gonococcal ophthalmia in adults in Tanzania. Sangawe JL, et al. **Indian J Ophthalmol** 1984 Jan-Feb; 32(1):17-20

Value of a centralized surveillance system during a national epidemic of endophthalmitis. O'Day DM. **Ophthalmology** 1985 Mar;92(3):309-15

PATHOLOGY

Phacoanaphylactic endophthalmitis associated with extracapsular cataract extraction and posterior chamber intraocular lens. Apple DJ, et al. **Arch Ophthalmol** 1984 Oct;102(10):1528-32

Ability of in vitro (corneal injury--eye organ--and chorioallantoic membrane) tests to represent histopathological features of acute eye inflammation. Parish WE. **Food Chem Toxicol** 1985 Feb;23(2):215-27

PHYSIOPATHOLOGY

Painless endophthalmitis after cataract surgery. Deutsch TA, et al. **Ophthalmic Surg** 1984 Oct;15(10):837-40

PREVENTION & CONTROL

Prevention of endophthalmitis by intraocular solution filtration and antibiotics. Gills JP. **J Am Intraocul Implant Soc** 1985 Mar;11(2):185-6

Pharmacological prevention of ocular inflammation induced by lens proteins. Miyano K, et al. **Ophthalmic Res** 1984; 16(5):256-63

Post-operative bacterial endophthalmitis. Davidson SI. **Trans Ophthalmol Soc UK** 1985;104 (Pt 3):278-84

[Prevention of endophthalmitis in intraocular surgery. Experimental study] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1984 Aug-Sep;84(8-9):1033-6 **(Fre)**

SURGERY

[Favorable development of bilateral Candida albicans endophthalmitis. Value of early vitrectomy] Furia M, et al. **J Fr Ophtalmol** 1984;7(11):689-95 (Eng. Abstr.) **(Fre)**

[Closed vitrectomy in treating posttraumatic endophthalmitis] Gundorova RA, et al. **Oftalmol Zh** 1984; (5):267-9 (Eng. Abstr.) **(Rus)**

THERAPY

Fungal endophthalmitis in narcotic abusers. Medical and surgical therapy in 10 patients. Gallo J, et al. **Med J Aust** 1985 Apr 1;142(7):386-8

Treatment of endophthalmitis with and without pars plana vitrectomy. Verbraeken H, et al. **Ophthalmologica** 1985; 191(1):1-3

[Effectiveness of the conservative treatment in posttraumatic endophthalmitis] Belianin AF. **Oftalmol Zh** 1984;(5):274-6 (Eng. Abstr.) **(Rus)**

[Treatment of postoperative endophthalmitis in artiphakia by vitrectomy and the intravitreal administration of gentamycin] Fedorov SN, et al. **Oftalmol Zh** 1984;(5):264-7 (Eng. Abstr.) **(Rus)**

[Our experience in the intensive care of traumatic endophthalmitis] Gytsu FI, et al. **Oftalmol Zh** 1984; (5):269-70 (Eng. Abstr.) **(Rus)**

[Prolonged perfusion of the vitreous body in suppurative eye inflammations] Kornilova AF, et al. **Oftalmol Zh** 1984; (5):270-2 (Eng. Abstr.) **(Rus)**

[Current aspects of the treatment of traumatic endophthalmitis] Logai IM, et al. **Oftalmol Zh** 1984; (5):257-62 (60 ref.) (Eng. Abstr.) **(Rus)**

TRANSMISSION

Donor-to-host transmission of streptococcal infection by corneas stored in McCarey-Kaufman medium. Matoba A, et al. **Cornea** 1984;3(2):105-8

OPHTHALMIA NEONATORUM

Ophthalmia neonatorum today [editorial] **Lancet** 1984 Dec 15;2(8416):1375-6

DIAGNOSIS

Chlamydial ophthalmia neonatorum. The dilemma of diagnosis and treatment [editorial] Harrison HR. **Am J Dis Child** 1985 Jun;139(6):550-1

DRUG THERAPY

Single-dose kanamycin therapy of gonococcal ophthalmia neonatorum. Fransen L, et al. **Lancet** 1984 Dec 1; 2(8414):1234-7

ETIOLOGY

Pseudomonas aeruginosa ophthalmia neonatorum [letter] Traboulsi EI, et al. **Am J Ophthalmol** 1984 Dec 15; 98(6):801-2

Aetiology of neonatal conjunctivitis in Harare. Nathoo KJ, et al. **Cent Afr J Med** 1984 Jul;30(7):123-6

Ophthalmia neonatorum today [letter] Mallinson H, et al. **Lancet** 1985 Feb 9;1(8424):350-1

Parents of infants with ophthalmia neonatorum: a high-risk group for sexually transmitted diseases. Fransen L, et al. **Sex Transm Dis** 1985 Jul-Sep;12(3):150-4

PREVENTION & CONTROL

Evaluation of drugs used in the prophylaxis of neonatal conjunctivitis. Zola EM. **Drug Intell Clin Pharm** 1984 Sep; 18(9):692-6 (45 ref.)

Ophthalmia neonatorum: relative efficacy of current prophylactic practices and treatment. Oriel JD. **J Antimicrob Chemother** 1984 Sep;14(3):209-19 (56 ref.)

Treatment of gonococcal ophthalmia [letter] Leung AK. **Med J Aust** 1985 Apr 15;142(8):453

OPHTHALMIA, SYMPATHETIC

DRUG THERAPY

A case of sympathetic uveitis. Kayazawa F. **Ann Ophthalmol** 1980 Sep;12(9):1106-8

[Effect of corticosteroid on sympathetic ophthalmia in perforating eye injuries] Hu CZ. **Chung Hua Yen Ko Tsa Chih** 1985 Mar;21(2):82-4 **(Chi)**

[Immunodepressants and the sympathetic reaction] Cherikchi LE. **Oftalmol Zh** 1984;(8):472-4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Histologic and immunopathologic findings in sympathetic ophthalmia [letter] BenEzra D. **Arch Ophthalmol** 1985 May; 103(5):625, 627

Morphological variation of Dalén-Fuchs nodules in sympathetic ophthalmia. Reynard M, et al. **Br J Ophthalmol** 1985 Mar;69(3):197-201

Immunohistochemistry and electron microscopy of choroidal infiltrates and Dalen-Fuchs nodules in sympathetic ophthalmia. Chan CC, et al. **Ophthalmology** 1985 Apr; 92(4):580-90

OPHTHALMIC ARTERY

Combined oculopneumoplethysmography and duplex scan. Use in the noninvasive cerebrovascular laboratory examination. Belkin M, et al. **Arch Surg** 1985 Jul; 120(7):809-11

Optic neuritis or ophthalmic artery aneurysm? Case presentation with histopathologic documentation utilizing a new staining method. Sadun AA, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):265-73

A combined epi- and subdural direct approach to carotid-ophthalmic artery aneurysms. Dolenc VV. **J Neurosurg** 1985 May;62(5):667-72

[A survey of blood pressure and sclerosis of the ophthalmofundal artery among 461 officials] **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Dec; 5(6):361-3 (Eng. Abstr.) **(Chi)**

[Oculo-oscillodynamography, a new procedure for the determination of ophthalmic artery blood pressure and ocular pulse curve analysis] Ulrich WD, et al. **Klin Monatsbl Augenheilkd** 1985 May;186(5):385-8 (Eng. Abstr.) **(Ger)**

[Pituitary apoplexy with an unruptured carotid-ophthalmic aneurysm] Nakagawara J, et al. **No Shinkei Geka** 1985 Mar; 13(3):307-11 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

[The ophthalmic artery and its main branches] Cui M. **Chung Hua Yen Ko Tsa Chih** 1984 Jan;20(1):30-3 **(Chi)**

[Persistence of the perioptic ring of the ophthalmic artery. Anatomical and embryological observations] Roland J, et al. **Bull Assoc Anat (Nancy)** 1984 Mar;68(200):65-70 (Eng. Abstr.) **(Fre)**

[Arterial pedicles of the oculomotor muscles. Anatomic study of 70 orbits] Ducasse A, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:441-50 **(Fre)**

[Individual differences in the ophthalmic artery and its branches in man] Smirnov VG. **Arkh Anat Gistol Embriol** 1985 Mar;88(3):61-8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Telethermographic investigations in migraine patients before and after flunarizine treatment. Giacovazzo M, et al. **Cephalalgia** 1985 May;5 Suppl 2:169-71

PHYSIOLOGY

[2 trials of measuring the flow of the intraorbital ophthalmic artery using pulsed Doppler] Rein A, et al. **J Fr Ophtalmol** 1985;8(4):341-3 (Eng. Abstr.) **(Fre)**

[Value of oculopneumoplethysmography in the diagnosis of carotid lesions] Sáez Martín L, et al. **Angiologia** 1985 Jul-Aug;37(4):149-54 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Post occlusion ischemia in the territory of the internal carotid artery: role of the ophtalmic collateral circulation in relation to the status of the bifurcation. Inzitari D, et al. **Riv Patol Nerv Ment** 1983 May-Jun;104(3):129-41

SURGERY

Microsurgical anatomy around the origin of the ophthalmic artery with reference to contralateral pterional surgical approach to the carotid-ophthalmic aneurysm. Nishio S, et al. **Acta Neurochir (Wien)** 1985;76(3-4):82-9

OPHTHALMIC ASSISTANTS see under **PHYSICIANS' ASSISTANTS**

OPHTHALMIC NERVE

METABOLISM

Distribution and origin of calcitonin gene-related peptide (CGRP) immunoreactivity in the sensory innervation of the mammalian eye. Terenghi G, et al. **J Comp Neurol** 1985 Mar 22;233(4):506-16

OPHTHALMIC SOLUTIONS

Bacterial contamination of eyedrop dispensers. Coad CT, et al. **Am J Ophthalmol** 1984 Nov;98(5):548-51

Ophthalmic medications that contain sulfites [letter] Onorato DJ. **Arch Ophthalmol** 1985 Sep;103(9):1274, 1276

The concurrent application of ophthalmic drops. Geyer O, et al. **Aust N Z J Ophthalmol** 1985 Feb;13(1):63-6

Interaction between ophthalmic drugs and intraocular lenses. Green K, et al. **J Am Intraocul Implant Soc** 1985 Jan; 11(1):28-30

Tolerance and absence of rebound vasodilation following topical ocular decongestant usage. Abelson MB, et al. **Ophthalmology** 1984 Nov;91(11):1364-7

ADMINISTRATION & DOSAGE

Creating smaller eyedrops by reducing eyedropper tip dimensions. Brown RH, et al. **Am J Ophthalmol** 1985 Apr 15;99(4):460-4

A miniature compliance monitor for eyedrop medication. Kass MA, et al. **Arch Ophthalmol** 1984 Oct;102(10):1550-4

The efficacy of cellulosic ophthalmic inserts for treatment of dry eye. LaMotte J, et al. **J Am Optom Assoc** 1985 Apr; 56(4):298-302

Ophthalmic drug delivery systems. Shell JW. **Surv Ophthalmol** 1984 Sep-Oct;29(2):117-28

[Simple possibilities for prolonging the local action of eyedrops] Ziuzin NT. **Oftalmol Zh** 1984;(4):249-50 **(Rus)**

ADVERSE EFFECTS

Ocular toxicology update. Fraunfelder FT, et al. **Aust J Ophthalmol** 1984 Nov;12(4):391-4 (38 ref.)

Systemic adverse effects of topical ophthalmological drugs: a clinical pharmacologist's view. Eckert GM. **Aust N Z J Ophthalmol** 1985 Feb;13(1):81-4

Systemic side effects associated with the ophthalmic administration of timolol. Munroe WP, et al. **Drug Intell Clin Pharm** 1985 Feb;19(2):85-9 (52 ref.)

Measuring drug-induced eye irritation: a simple new clinical assay. Scoville B, et al. **J Clin Pharmacol** 1985 Apr; 25(3):210-8

Adverse systemic reactions of ocular drops. Orlando RG. **Ohio State Med J** 1984 Oct;80(10):747-9

Postoperative retinal breaks occurring after intravitreal silicone oil injection. Glaser BM, et al. **Retina** 1984 Fall-Winter;4(4):246-8

[Pharmaco-toxicological aspects of ophthalmological medication] Cristea E. **Rev Chir [Oftalmol]** 1985 Apr-Jun; 29(2):135-40 **(Rum)**

ANALYSIS

A note on the contamination of eye-drops following use by hospital out-patients. Ford JL, et al. **J Clin Hosp Pharm** 1985 Jun;10(2):203-9

[The stability of pilocarpine hydrochloride in eyedrops] Porst H, et al. **Pharmazie** 1985 Jan;40(1):23-9 (Eng. Abstr.) **(Ger)**

[Determination of ethylmorphine chloride, pilocarpine chloride and tetracaine chloride in drops and ointments for the eye] Banović V, et al. **Vojnosanit Pregl** 1985

May-Jun;42(3):202-5 (Eng. Abstr.) (Ser)

METABOLISM

Relationship of chemical structure to corneal penetration and influence of low-viscosity solution on ocular bioavailability. Grass GM, et al. **J Pharm Sci** 1984 Aug;73(8):1021-7

THERAPEUTIC USE

Biochemical studies on the use of sodium hyaluronate in the anterior eye segment. IV. The protective efficacy of the corneal endothelium. Miyauchi S, et al. **Curr Eye Res** 1984 Aug;3(8):1063-7

Gel tears. A new medication for the treatment of dry eyes. Leibowitz HM, et al. **Ophthalmology** 1984 Oct;91(10):1199-204

Effect of topical trifluridine on Thygeson's superficial punctate keratitis. Nesburn AB, et al. **Ophthalmology** 1984 Oct;91(10):1188-92

Ocular drug bioavailability from topically applied liposomes. Lee VH, et al. **Surv Ophthalmol** 1985 Mar-Apr;29(5):335-48

[Severe syndromes of ocular dryness: their treatment by inserts] Arrata M. **Bull Mem Soc Fr Ophtalmol** 1985;96:400-2 (Fre)

TOXICITY

The penetration of detergents into adult and infant eyes: possible hazards of additives to ophthalmic preparations. Clayton RM, et al. **Food Chem Toxicol** 1985 Feb;23(2):239-46

Toxicity of antineoplastic drug combinations in vitrectomy infusion fluid. Peyman GA, et al. **Ophthalmic Surg** 1984 Oct;15(10):844-6

OPHTHALMOLOGY

see related
EYE DISEASES
ORTHOPTICS
VISION

Evolution of laser technology in ophthalmology [editorial] Aaberg TM. **Am J Ophthalmol** 1985 Apr 15;99(4):480-1

A simple database computer program for ophthalmic use. Lugo M, et al. **Am J Ophthalmol** 1985 Apr 15;99(4):411-4

A simple database computer program for ophthalmic use [letter] Montague PR. **Am J Ophthalmol** 1985 Aug 15;100(2):349-50

Functional visual loss. Thompson HS. **Am J Ophthalmol** 1985 Jul 15;100(1):209-13

Ophthalmic services in New Zealand. Garner LF, et al. **Am J Optom Physiol Opt** 1984 Aug;61(8):543-7

Hypertension screening in the eye clinic. Baker RS, et al. **Ann Ophthalmol** 1984 Oct;16(10):971-4

Rehabilitation personnel in ophthalmology [letter] Hunt S. **Arch Ophthalmol** 1985 Apr;103(4):480-1

Ophthalmology in Japan. Mizuno K. **Arch Ophthalmol** 1985 Apr;103(4):597-600

Ophthalmology in Canada. Morin JD. **Arch Ophthalmol** 1985 Jan;103(1):134-7

American Board of Ophthalmology requirements. One new word is added [editorial] Rubin ML. **Arch Ophthalmol** 1985 May;103(5):645-6

Ophthalmology in service to the public [editorial] Weinstein GW. **Arch Ophthalmol** 1985 Mar;103(3):345-6

Presidential address: Royal Australian College of Ophthalmologists 16th annual congress, 1984. Holmes R. **Aust N Z J Ophthalmol** 1985 Feb;13(1):9-12

Should visual field examination be a routine part of ophthalmic practice? Gutteridge IF. **Doc Ophthalmol** 1985 Jun 30;59(4):323-39

Review of ophthalmology in Kenya. Klauss V. **Doc Ophthalmol** 1984 Jun 15;57(4):335-43

A simple eye clinic in South Asia. A paper presented at the conference of the German Committee for Prevention of Blindness, October 1980. Michael PG. **Doc Ophthalmol** 1984 Jun 15;57(4):373-7

Epidemic keratoconjunctivitis: report of an outbreak in an ophthalmology practice and recommendations for prevention. Buehler JW, et al. **Infect Control** 1984 Aug;5(8):390-4

List of addresses of the Jules Gonin Club's members. **Int Ophthalmol** 1985 Jul;8(2):68-78

Monoclonal antibodies: current status in eye research. Char DH. **Int Ophthalmol Clin** 1985 Summer;25(2):43-54 (27 ref.)

Comments on the receipt of the Proctor Medal. Cohen AI. **Invest Ophthalmol Vis Sci** 1984 Dec;25(12):1350-3

On presentation of the Friedenwald Award of the Association for Research in Vision and Ophthalmology to Anders Bill. Kaufman PL. **Invest Ophthalmol Vis Sci** 1985 Apr;26(4):403-9

On presentation of the Proctor Medal of the Association of Research in Vision and Ophthalmology to Dr. Adolph I. Cohen. Ripps H. **Invest Ophthalmol Vis Sci** 1984 Dec;25(12):1348-9

Ophthalmic clinical abbreviations. Berman M, et al. **J Am Optom Assoc** 1984 Aug;55(8):601-4

Neuro-ophthalmology in the recent European literature. Part III. Heredodegenerations, stroke, pain, and diagnostic techniques. Safran AB. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):275-84 (68 ref.)

Symposium on neuro-ophthalmology. **Neurol Clin** 1983 Nov;1(4):787-995

Color prints from color slides. Netherton J, et al. **Ophthalmic Surg** 1984 Aug;15(8):677

Mobile eye-care teams and rural ophthalmology in southern Africa. Hill JC. **S Afr Med J** 1984 Oct 6;66(14):531-5

Problems of conscience and fact: consulting on medicolegal claims. Bettman JW. **Surv Ophthalmol** 1984 Sep-Oct;29(2):137-8

Members of the American Ophthalmological Society. **Trans Am Ophthalmol Soc** 1984;82:xv-xxix

Use of computers in ophthalmology. Leicester Computer Ophthalmology Index. Chiapella AP, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 1):106

[Ergonomics and ocular surgery] Peyresblanques J. **Annee Ther Clin Ophtalmol** 1983;34:269-96 (Fre)

[List of members of the French Ophthalmology Society] **Bull Mem Soc Fr Ophtalmol** 1985;96:XIII-CLXXX (Fre)

[Microcomputers and ophthalmology] **Bull Soc Ophtalmol Fr** 1984 Nov;Spec No:1-204 (Fre)

[Computer science and bibliography] Binaghi M, et al. **Bull Soc Ophtalmol Fr** 1984 Nov;Spec No:137-66 (Fre)

[Computer science and visual electrophysiology] Grall Y. **Bull Soc Ophtalmol Fr** 1984 Nov;Spec No:83-90 (Fre)

[Medical expert appraisal in ophthalmology for Social Security and occupational accidents. Appraisal according to the decree of 7 January 1959. From 1963 expert appraisals in ophthalmology, of which 124 cases were appraised 5 years or more after the establishment of the initial medical certificate] Surugue P, et al. **Bull Soc Ophtalmol Fr** 1983 Nov;83(11):1255-8 (Fre)

[Mobile itinerant ophthalmology in tropical Africa] Toufic N. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1983;:43-58 (Eng. Abstr.) (Fre)

[Clinical jargon--memorabilia] Hallermann W. **Klin Monatsbl Augenheilkd** 1985 Feb;186(2):139-40 (Eng. Abstr.) (Ger)

[Vision test program for ophthalmologists on Apple II, IIe and IIc computers] Huber C. **Klin Monatsbl Augenheilkd** 1985 Mar;186(3):227-30 (Eng. Abstr.) (Ger)

[Intraocular foreign bodies. The experience of the Baia Mare Ophthalmology Section in treating nonmagnetic intraocular foreign bodies] Băgăluţ E, et al. **Rev Chir [Oftalmol]** 1984 Jul-Sep;28(3):219-24 (Eng. Abstr.) (Rum)

[Early results following trabeculectomy at the Cluj-Napoca Ophthalmological Clinic] Oancea I, et al. **Rev Chir [Oftalmol]** 1984 Oct-Dec;28(4):277-90 (Eng. Abstr.) (Rum)

[Policy of the Clinica de Oftalmologie in Cluj-Napoca on the surgical indications in concomitant strabismus] Sandovici EM, et al. **Rev Chir [Oftalmol]** 1985 Apr-Jun;29(2):119-22 (Eng. Abstr.) (Rum)

[Role of the provincial office of ophthalmic endocrinology and ocular vascular pathology in treating patients with retinal venous occlusions] Tonkonog TM, et al. **Oftalmol Zh** 1984;(7):403-6 (Eng. Abstr.) (Rus)

[Intensification of therapeutic and diagnostic activities in a hospital ophthalmological department] Indeĭkin EN, et al. **Voen Med Zh** 1984 Dec;(12):50-1 (Rus)

[Possible uses of computer technology in the inpatient ophthalmology department] Rampášek L, et al. **Cesk Oftalmol** 1984 Jun;40(2-3):96-101 (Eng. Abstr.) (Slo)

ECONOMICS

Déjà vu [editorial] Tanenbaum HL. **Arch Ophthalmol** 1985 Apr;103(4):501-3

EDUCATION

Presidential address: Royal Australian College of Ophthalmologists 16th annual congress,1984. Hornbrook JW. **Aust N Z J Ophthalmol** 1985 Feb;13(1):5-7

A method of continuing education [letter] Osher RH. **J Am Intraocul Implant Soc** 1984 Summer;10(3):358

Projection-simulated ametropia. A model for teaching subjective refraction. Henningsen MA, et al. **Ophthalmology** 1985 Jun;92(6):831-3

The undergraduate student and the study of ophthalmology. van Selm J. **S Afr Med J** 1985 Aug 17;68(4):206-8

The seed-corn. Archer DB. **Trans Ophthalmol Soc UK** 1985;104 (Pt 2):211-7

[Experience in training future physicians for performing health education work among the population to prevent eye diseases and injuries] Krasnikov PG, et al. **Oftalmol Zh** 1984;(4):243-4 (Rus)

[Experience in profiling the teaching of ophthalmology in a dental department] Krasnikov PG, et al. **Vestn Oftalmol** 1985 Jan-Feb;101(1):51-4 (Eng. Abstr.) (Rus)

[Effect of methodological aids for self instruction on the initial level of knowledge of students] Popov PN, et al. **Vestn Oftalmol** 1985 May-Jun;101(3):56-8 (Eng. Abstr.) (Rus)

[Education and training of ophthalmologists] Shul'pina NB, et al. **Vestn Oftalmol** 1984 Sep-Oct;(5):3-7 (Rus)

HISTORY

Cocaine: the first local anesthetic and the 'third scourge of humanity'. A centennial melodrama. Goldberg MF. **Arch Ophthalmol** 1984 Oct;102(10):1443-7

Willem A. Manschot and his impact on ophthalmic pathology. de Wolff-Rouendaal D. **Int Ophthalmol** 1985 Mar;7(3-4):131-41

Jerusalem the Golden. Gurd DP. **J R Nav Med Serv** 1985 Spring;71(1):45-50

Social responsibilities in ophthalmology. Jones BR. **J R Soc Med** 1985 May;78(5):358-66

Neuro-ophthalmology according to Gordon Holmes. Lepore FE. **Neurol Clin** 1983 Nov;1(4):789-805

Cocaine's use in ophthalmology: our 100-year heritage. Altman AJ, et al. **Surv Ophthalmol** 1985 Jan-Feb;29(4):300-6

George James Guthrie 1785-1856 and his Infirmary for Diseases of the Eye. Trevor-Roper P. **Trans Ophthalmol Soc UK** 1985;104 (Pt 2):111-3

[Medical histories written by students, practical education and therapeutic approaches at the J.N. Fischer Eye Clinic in Prague] Kadlecová V, et al. **Cesk Oftalmol** 1985 Mar;41(2):114-28 (Eng. Abstr.) (Cze)

[The relation of Johann Wolfgang Goethe to medicine, particularly with respect to ophthalmology] Sajner J. **Cesk Oftalmol** 1984 Nov;40(6):386-90 (Eng. Abstr.) (Cze)

[The discovery of local anesthesia] Honegger H. **Fortschr Ophthalmol** 1985;82(1):15-9 (Eng. Abstr.) (Ger)

[History of the University and of the University Eye Clinic at Frankfurt am Main] Preiser G. **Fortschr Ophthalmol** 1985;82(1):9-12 (Eng. Abstr.) (Ger)

[Topical anesthesia] Slezak H. **Fortschr Ophthalmol** 1985;82(1):13-4 (Eng. Abstr.) (Ger)

[Introduction to the 13th Retinological Symposium] Orłowski WJ. **Klin Oczna** 1984 Dec;86(12):519-28 (Eng. Abstr.) (Pol)

[From the bibliographer's files (XXI). 75 years ago] Orłowski WJ. **Klin Oczna** 1984 May;86(5):233-4 (Pol)

[From the bibliographer's file (XXII). 50 years ago] Orłowski WJ. **Klin Oczna** 1984 Jun;86(6):281-3 (Pol)

[Contact with South American ophthalmology] Stankiewicz A. **Klin Oczna** 1984 Jul;86(7):323-4 (Pol)

[Unfading light of a great victory] **Oftalmol Zh** 1985;(3):129-32 (Rus)

[Vestnik Oftal'mologii 75 years ago] Filimonov AR. **Vestn Oftalmol** 1984 Sep-Oct;(5):7-8 (Rus)

[The 'Vestnik oftal'mologii' 50 years ago] Filimonov AR. **Vestn Oftalmol** 1984 Nov-Dec;(6):6-8 (Rus)

[An outstanding invention of a Russian ophthalmologist (the centenary of the invention of the applanation tonometer by Prof. A.N. Maklakov)] Krasnikov PG. **Vestn Oftalmol** 1984 Nov-Dec;(6):70-2 (Rus)

[Reminiscences of the past: Adrian Aleksandrovich Kriukov, editor of 'Vestnik oftal'mologii' and founder of the Moscow Ophthalmological Society (on the 75th anniversary of the journal)] Krasnov MM. **Vestn Oftalmol** 1984 Nov-Dec;(6):4-6 (Rus)

[Soviet ophthalmologists in World War II and in the fight for peace (on the 40th anniversary of victory)] Volkov VV, et al. **Vestn Oftalmol** 1985 Mar-Apr;101(2):3-9 (Rus)

[Prof. A.V. Khodin- - the founder and the first editor of 'Vestnik oftal'mologii' (on the centenary of the journal)] Volkov VV, et al. **Vestn Oftalmol** 1984 Nov-Dec;(6):3-4 (Rus)

[The history of ophthalmology in Bratislava. Professor Kadlický and the beginnings of the Ophthalmology Clinic at Comenius University Medical School in Bratislava] Tichý M, et al. **Cesk Oftalmol** 1985 May;41(3):204-7 (Eng. Abstr.) (Slo)

[30 years of the Slovak Ophthalmologic Society] Veselý L. **Cesk Oftalmol** 1984 Nov;40(6):388-90 (Slo)

INSTRUMENTATION

Retinal tacks. de Juan E Jr, et al. **Am J Ophthalmol** 1985 Mar 15;99(3):272-4

A new silicone oil pump [letter] Gonvers M. **Am J Ophthalmol** 1985 Feb 15;99(2):210

Rearranged automated keratometer for newborn infants and patients in the supine position. Inagaki Y, et al. **Am J Ophthalmol** 1985 Jun 15;99(6):664-6

Comparison of standard and computerized tonography instruments on human eyes. Teitelbaum CS, et al. **Am J Ophthalmol** 1985 Apr 15;99(4):403-10

A new corneal protector for oculoplastic surgery. Tse DT, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):484-5

Effect of ophthalmic filter thickness on predicted monocular dichromatic luminance and chromaticity discrimination. Richer SP, et al. **Am J Optom Physiol Opt** 1984 Nov;61(11):666-73

The Honan intraocular pressure reducer. An experimental study. McDonnell PJ, et al. **Arch Ophthalmol** 1985 Mar;103(3):422-5

Lincoff balloon catheter in the repair of posterior retinal tears [letter] Schoeffler LE. **Arch Ophthalmol** 1985 Jan;103(1):15-6

A non-invasive instrument for clinical assessment of the pre-corneal tear film stability. Mengher LS, et al. **Curr Eye Res** 1985 Jan;4(1):1-7

The spectrophtal: an instrument for ocular spectrophotometry and fluorophotometry. Alvarez Martin P, et al. **Graefes Arch Clin Exp Ophthalmol** 1985; 222(4–5):206–8

Design considerations for a fluorophotometer for ocular research. Munnerlyn CR, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;222(4–5):209–11

A two-dimensional scanning ocular fluorophotometer. McLaren JW, et al. **Invest Ophthalmol Vis Sci** 1985 Feb; 26(2):144–52

A menu-driven Lotus 1-2-3 template for intraocular lens calculation and automatic generation of an SRK constant. McDonald JE 2d. **J Am Intraocul Implant Soc** 1985 Jan; 11(1):75–7

Clinical evaluation of the Nidek AR auto refractor. Helveston EM, et al. **J Pediatr Ophthalmol Strabismus** 1984 Nov–Dec;21(6):227–30

Aspirating speculum. McBratney RT. **Ophthalmic Surg** 1985 Apr;16(4):258

A new infusion/aspiration coaxial cannulated handpiece. Rappazzo JA. **Ophthalmic Surg** 1984 Dec;15(12):991–2

A guide to pachymeters. Thornton SP. **Ophthalmic Surg** 1984 Dec;15(12):993–5

Lasers in ophthalmology. Ffytche TJ. **Trans Med Soc Lond** 1982–84;99–100:103–7

[Pachometry—measurement of corneal thickness] Háčiková S. **Cesk Oftalmol** 1984 Jun;40(2–3):142–8 (Eng. Abstr.) **(Cze)**

[Simplified wide-field endothelioscopy] Eisner G. **Bull Mem Soc Fr Ophtalmol** 1985;96:129–34 **(Fre)**

[Use of the Yag pico- and nanosecond laser in ophthalmology] Marre JM, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:504–5 **(Fre)**

[Application of the torticollimeter to strabology] Sradj N. **Bull Mem Soc Fr Ophtalmol** 1985;96:419–23 **(Fre)**

[Comparative study between subjective and objective refraction using the Autorefractor 6600 on 200 eyes in children] Menerath JM, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1189–93 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of the Dioptron II Ultima B] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1179–84 (Eng. Abstr.) **(Fre)**

[A new ophthalmologic refractometer assisted by a microprocessor] Corno F, et al. **J Fr Ophtalmol** 1984; 7(6–7):485–92 (Eng. Abstr.) **(Fre)**

[Effect of various stimulation filters on tear film breakup time] Christ T, et al. **Klin Monatsbl Augenheilkd** 1984 Sep; 185(3):185–8 (Eng. Abstr.) **(Ger)**

[A variable cross cylinder with extended scale] Reiner J. **Klin Monatsbl Augenheilkd** 1984 Jun;184(6):572–3 (Eng. Abstr.) **(Ger)**

[A new apparatus for automatic counting of aqueous floaters] Komuro Y, et al. **Nippon Ganka Gakkai Zasshi** 1985 Apr; 89(4):556–61 (Eng. Abstr.) **(Jpn)**

[The TO-01 ophthalmological thermometer for controlling the temperature of the sclera during diathermocoagulation] Mondelski S, et al. **Klin Oczna** 1985 Feb;87(2):83–4 (Eng. Abstr.) **(Pol)**

MANPOWER

Survey results. Manpower in eyecare. Eger MJ. **J Am Optom Assoc** 1985 May;56(5):360–2

American Academy of Ophthalmology manpower studies. Part V. Ruiz RS. **Ophthalmology** 1984 Oct;91(10):47A–57A

METHODS

The correlation between optic disk topography measured by the video-ophthalmograph (Rodenstock analyzer) and clinical measurement. Mikelberg FS, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):417–9

Monoclonal antibodies in ophthalmology [editorial] Rodrigues MM. **Am J Ophthalmol** 1985 Jun 15;99(6):720–2

Piggy-back fitting of contact lenses. Baldone JA. **CLAO J** 1985 Apr–Jun;11(2):130–4

Artificial anterior chamber made of rigid PMMA contact lenses. Wolter JR, et al. **CLAO J** 1985 Apr–Jun; 11(2):107–12

A model of corneal re-endotheliazation after surgical trauma. Landshman N, et al. **Curr Eye Res** 1985 May;4(5):555–61

Statistical analysis for experimental models of ocular disease: continuous response measures. Ray WA, et al. **Curr Eye Res** 1985 May;4(5):585–97

Computer-generated admitting orders [letter] Darsey JE. **J Am Intraocul Implant Soc** 1984 Summer;10(3):357–8

A microcomputer system for measuring and analyzing corneal endothelium. Kurrle RW, et al. **J Am Intraocul Implant Soc** 1984 Summer;10(3):369–71

Neuroimaging in neuro-ophthalmology. Grossman RI, et al. **Neurol Clin** 1983 Nov;1(4):831–57 (52 ref.)

CO2 laser. Beckman H. **Trans New Orleans Acad Ophthalmol** 1985;:226–30

Current applications of the dye laser. L'Esperance FA Jr. **Trans New Orleans Acad Ophthalmol** 1985;:55–80

Current status of ophthalmic photovaporization therapy. L'Esperance FA Jr. **Trans New Orleans Acad Ophthalmol** 1985;:231–55

Ophthalmic laser surgery: principles, technology, and technique. Mainster MA. **Trans New Orleans Acad Ophthalmol** 1985;:81–101

[Technics for identifying morphologic features observed during specular microscopy of the cornea] Hartmann C, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:135–40 **(Fre)**

[Continuous internal packing with air in the treatment of certain retinal detachments] Lecoq PJ, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:161–3 **(Fre)**

[Acupuncture in ophthalmology] Poletti J, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:398–9 **(Fre)**

[Computer assistance in diagnosis and therapeutic decision-making] Hache JC. **Bull Soc Ophtalmol Fr** 1984 Nov;Spec No:179–82 **(Fre)**

STANDARDS

Towards an Australian ophthalmology. The Royal Australian College of Ophthalmologists 16th annual congress, 1984. Hollows F. **Aust N Z J Ophthalmol** 1985 Feb;13(1):13–7

Echo reference standards in ophthalmic ultrasonography. Haigis W, et al. **Ultrasound Med Biol** 1985 Jan–Feb; 11(1):149–55

[Means for further improvement in military ophthalmology] Volkov VV. **Voen Med Zh** 1984 Oct;(10):13–7 **(Rus)**

TRENDS

Alaska medicine essay. Medicine—in trouble. Fritz MH. **Alaska Med** 1985 Jan–Mar;27(1):10–1

New Zealand. Ophthalmology, medical education, and national background. Keeney AH, et al. **Arch Ophthalmol** 1985 Jul;103(7):973–6

Progress toward the establishment of nuclear magnetic resonance measurements as an index of in vivo lens functional integrity. Farnsworth PN, et al. **Curr Eye Res** 1985 Mar;4(3):291–7

Directions in ophthalmic laser development. Steinert RF, et al. **J Am Intraocul Implant Soc** 1984 Fall;10(4):488–90

Advisory opinions on the Code of Ethics of the American Academy of Ophthalmology. **Ophthalmology** 1984 Oct; 91(10):1285–96

Do eye hospitals have a role in our future? Friedman E, et al. **Ophthalmology** 1985 Jul;92(7):981–3

Order out of chaos. Can ophthalmology influence its future? Spivey BE, et al. **Ophthalmology** 1985 Apr;92(4):49A–51A

The use of computers in ophthalmology: an exercise in futurology. Arden GB. **Trans Ophthalmol Soc UK** 1985;104 (Pt 1):88–99

[Ophthalmology: new therapeutic methods] Heinzl S. **Med Monatsschr Pharm** 1985 Feb;8(2):52–5 **(Ger)**

OPHTHALMOPLEGIA

Tolosa-Hunt syndrome [letter] Roy T, et al. **J Assoc Physicians India** 1984 Nov;32(11):1011

[Recurrent painful ophthalmoplegia (Tolosa-Hunt syndrome)] Birndtová E, et al. **Cesk Oftalmol** 1985 Jul; 41(4):263–7 (Eng. Abstr.) **(Cze)**

CEREBROSPINAL FLUID

[Kearns-Sayre syndrome with reduced cerebrospinal fluid folic acid] Okamato T, et al. **Rinsho Shinkeigaku** 1985 Apr; 25(4):412–9 (Eng. Abstr.) **(Jpn)**

[A case of Kearns-Sayre syndrome with elevated lactate and pyruvate levels in the cerebrospinal fluid] Suehara M, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):147–52 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Miller-Fisher syndrome (Guillain-Barré syndrome with ophthalmoplegia) during treatment with gold salts in a patient with rheumatoid arthritis [letter] Roquer J, et al. **Arthritis Rheum** 1985 Jul;28(7):838–9

Myasthenic pseudo-internuclear ophthalmoplegia due to penicillamine [letter] George J, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1044

[External ophthalmoplegia in barbiturate poisoning (letter)] Amarenco P, et al. **Presse Med** 1984 Nov 10;13(40):2453 **(Fre)**

[Total ophthalmoplegia and brainstem auditory evoked response abnormalities in a patient with acute phenytoin intoxication] Oda R, et al. **Rinsho Shinkeigaku** 1984 Jun; 24(6):586–92 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Gaze palsy associated with viral syndrome. Slavin ML. **Am J Ophthalmol** 1985 Sep 15;100(3):468–73

Thiopentone and ophthalmoplegia plus [letter] James RH. **Anaesthesia** 1985 Jan;40(1):88

Duane's syndrome associated with crocodile tear and ear malformation. A case of stapes anomaly and its reconstruction. Tachibana M, et al. **Arch Otolaryngol** 1984 Nov;110(11):761–2

The Miller-Fisher syndrome—a case report. Neill P, et al. **Cent Afr J Med** 1984 Nov;30(11):214–5

Ultrastructure of the levator muscle of the eyelid in ptosis due to third nerve palsy. Bonavolontà O, et al. **Doc Ophthalmol** 1984 Nov 15;58(3):233–40

Ophthalmoplegic migraine. Bailey TD, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):225–8

Ophthalmoplegic migraine with proximal posterior cerebral artery vascular anomaly. Imes RK, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):221–3

An unusual association of dentato-rubral degeneration with spinal ataxia, ophthalmoplegia and multiple cranial nerve palsies. Janzer RC, et al. **J Neurol** 1985;231(6):319–23

Are anisometropia and amblyopia common in Duane's syndrome? Tredici TD, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jan–Feb;22(1):23–5

Hypersomnia, bithalamic lesions, and altered sleep architecture in Kearns-Sayre syndrome. Kotagal S, et al. **Neurology** 1985 Apr;35(4):574–7

Dominant optic atrophy, deafness, ptosis, ophthalmoplegia, dystaxia, and myopathy. A new syndrome. Treft RL, et al. **Ophthalmology** 1984 Aug;91(8):908–15

Segmental dilatation of the colon and the Stilling-Turk-Duane retraction syndrome. Venugopal S, et al. **West Indian Med J** 1985 Jun;34(2):139–42

[The Stilling-Duane-plus syndrome] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1199–200 **(Fre)**

[The so-called one-and-a-half syndrome. Significance of horizontal ocular movement disorders in the diagnosis of pontine processes] Révész T, et al. **Orv Hetil** 1985 Aug 25;126(34):2083–4, 2087–90 (Eng. Abstr.) **(Hun)**

[Kearns-Shy syndrome associated with choreic movement, primary hypogonadism, and brain CT abnormalities] Kitamura E, et al. **Nippon Naika Gakkai Zasshi** 1985 May; 74(5):582–9 **(Jpn)**

[Malocclusion in children with strabismus and selected congenital syndromes] Jakubiak T, et al. **Klin Oczna** 1984 Sep;86(9):391–3 (Eng. Abstr.) **(Pol)**

CONGENITAL

Congenital superior oblique palsy in infants. Reynolds JD, et al. **Arch Ophthalmol** 1984 Oct;102(10):1503–5

Congenital tight superior rectus muscle. Weiss A, et al. **J Pediatr Ophthalmol Strabismus** 1985 Mar–Apr;22(2):51–3

Poland-Möbius syndrome: evaluation by computerized tomography. Hopper KD, et al. **South Med J** 1985 May; 78(5):523–7

[Diagnostic pitfalls of congenital paralysis of the 3d cranial nerve] Blanck MF, et al. **Bull Mem Soc Fr Ophtalmol** 1985; 96:33–5 **(Fre)**

[Association of Stilling-Duane syndrome and Brown's syndrome with crocodile tear syndrome and other congenital anomalies] Karsenti G, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):661–2 **(Fre)**

[Association of congenital paralysis of the horizontal gaze with auricular dysplasia] Safran AB, et al. **Bull Soc Ophtalmol Fr** 1983 Nov;83(11):1309–10 **(Fre)**

[Congenital ophthalmoplegia. Methods and results of surgical treatment] Duszyk D, et al. **Klin Oczna** 1984 Sep; 86(9):387–9 (Eng. Abstr.) **(Pol)**

[Congenital disorders of the oculomotor system among our cases. I. Stilling-Türk-Duane syndrome and Möbius' syndrome] Krzystkowa KM, et al. **Klin Oczna** 1984 Sep; 86(9):379–81 (Eng. Abstr.) **(Pol)**

[Congenital disorders of the oculomotor system among our cases. Brown's syndrome and Marcus-Gunn synkinesis] Krzystkowa KM, et al. **Klin Oczna** 1984 Sep;86(9):383–5 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Ophthalmoplegia plus with late onset. Histochemical, ultrastructural, metabolic and electrophysiopathological study of a case. Marolda M, et al. **Acta Neurol (Napoli)** 1984 Aug;6(4):264–73

Progressive supranuclear palsy—20 years later. Kristensen MO. **Acta Neurol Scand** 1985 Mar;71(3):177–89

The indirect ophthalmoscope lens and eye movement disorders. Rosenberg ML. **Am J Ophthalmol** 1985 Apr 15; 99(4):491–2

Steroid-responsive ophthalmoplegia in a child. Diagnostic considerations. Kandt RS, et al. **Arch Neurol** 1985 Jun; 42(6):589–91

The clinical spectrum of internuclear ophthalmoplegia in multiple sclerosis. Müri RM, et al. **Arch Neurol** 1985 Sep; 42(9):851–5

A mechanical three-step test. Perlman EM. **Arch Ophthalmol** 1984 Nov;102(11):1712

Bilateral superior oblique palsies. Lee J, et al. **Br J Ophthalmol** 1985 Jul;69(7):508–13

Neurologic deterioration with progressive CT changes in a child with Kearns-Shy syndrome. Yoda S, et al. **Brain Dev** 1984;6(3):323–7

Pain characteristics of painful ophthalmoplegia (the Tolosa-Hunt syndrome). Hannerz J. **Cephalalgia** 1985 Jun; 5(2):103–6

Asymmetric septal hypertrophy in Kearns-Sayre syndrome. Kupari M. **Clin Cardiol** 1984 Nov;7(11):603–5

A new approach in the study of saccadic eye velocity (the role of S. quotient). Prakash P, et al. **Indian J Ophthalmol** 1984 May–Jun;32(3):127–31

One-and-a-half syndrome in ischaemic locked-in state: a clinico-pathological study. Bogousslavsky J, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):927–35

Neurological findings in Miller-Fisher syndrome [letter] Al-Din AN. **J Neurol Neurosurg Psychiatry** 1985 Jan; 48(1):93

Transorbital intracavernous needle biopsy in painful ophthalmoplegia. Case report. Rowed DW, et al. **J Neurosurg** 1985 May;62(5):776–80

Clinical and pathologic dilemmas in Tolosa-Hunt syndrome: a case report. Gallati MT. **Mt Sinai J Med (NY)** 1984 Dec; 51(6):724–7

Progressive supranuclear palsy. Clinical and pharmacologic update. Jankovic J. **Neurol Clin** 1984 Aug;2(3):473–86 (53 ref.)

[Recurrent painful ophthalmoplegia (Tolosa-Hunt syndrome)] Birndtová E, et al. **Cesk Oftalmol** 1985 Jul; 41(4):263-7 (Eng. Abstr.) **(Cze)**

[The Miller Fisher syndrome: ophthalmoplegia, ataxia and areflexia] Wulff CH, et al. **Ugeskr Laeger** 1985 Feb 4; 147(6):515-7 (Eng. Abstr.) **(Dan)**

[Ophthalmoplegia plus] Delcour C, et al. **Rev Med Liege** 1984 Nov 1;39(21):761-9 **(Fre)**

[Progressive supranuclear ophthalmoplegia--a clinical entity?] Heckl RW. **Fortschr Neurol Psychiatr** 1985 Feb; 53(2):33-41 (Eng. Abstr.) **(Ger)**

[Long-term nystagmographic study following craniocerebral trauma] Piper HF. **Fortschr Ophthalmol** 1984;81(5):421-5 (Eng. Abstr.) **(Ger)**

[ERG and VECP in chronic progressive external ophthalmoplegia] Berdjis H, et al. **Klin Monatsbl Augenheilkd** 1984 Aug;185(2):113-8 (Eng. Abstr.) **(Ger)**

[Clinical evaluation system (score) of ocular symptoms in myasthenia gravis] Schumm F, et al. **Nervenarzt** 1985 Apr; 56(4):186-7 (Eng. Abstr.) **(Ger)**

[Electrophysiologic findings in patients with Kearns-Sayre syndrome—report on 2 cases] Gonska BD, et al. **Z Kardiol** 1985 May;74(5):281-6 (Eng. Abstr.) **(Ger)**

[Tolosa-Hunt syndrome. Observations in 11 cases] Faverio A, et al. **Riv Neurol** 1985 May-Jun;55(3):161-8 (Eng. Abstr.) **(Ita)**

[A case with benign external ophthalmoplegia] Kinoshita M, et al. **Rinsho Shinkeigaku** 1984 Oct;24(10):984-7 (Eng. Abstr.) **(Jpn)**

[Paralysis of the left abducens nerve in a 9-year-old girl (Tolosa-Hunt syndrome--ophthalmoplegia dolorosa)] Tokarz Z, et al. **Wiad Lek** 1984 Oct 15;37(20):1640-2 (Eng. Abstr.) **(Pol)**

[Progressive supranuclear ophthalmoplegia (Steele-Richardson-Olszewski)] Akimov GA, et al. **Zh Nevropatol Psikhiatr** 1984;84(12):1784-9 (Eng. Abstr.) **(Rus)**

[Clinico-pathogenetic polymorphism of the Tolosa-Hunt syndrome] Neimark EZ, et al. **Zh Nevropatol Psikhiatr** 1985;85(3):337-40 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Improvement of abnormal pyruvate metabolism and cardiac conduction defect with coenzyme Q10 in Kearns-Sayre syndrome. Ogasahara S, et al. **Neurology** 1985 Mar; 35(3):372-7

Botulinum toxin injection in the management of lateral rectus paresis. Scott AB, et al. **Ophthalmology** 1985 May; 92(5):676-83

[Ocular myasthenia] Huber A. **Klin Monatsbl Augenheilkd** 1985 Mar;186(3):158-60 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Cryptogenic oculomotor nerve palsies in children. Mizen TR, et al. **Am J Ophthalmol** 1985 Jul 15;100(1):65-7

Pseudo-internuclear ophthalmoplegia after surgical paresis of the medial rectus muscle. von Noorden GK, et al. **Am J Ophthalmol** 1984 Nov;98(5):602-8

Pseudo-internuclear ophthalmoplegia after surgical paresis of the medial rectus muscle [letter] Wilson WB. **Am J Ophthalmol** 1985 Jun 15;99(6):737-8

Ocular palsy preceding chronic relapsing polyneuropathy by several weeks. Donaghy M, et al. **Ann Neurol** 1985 Jan; 17(1):49-50

Descending paralysis resulting from occult wound botulism. Rapoport S, et al. **Ann Neurol** 1984 Sep;16(3):359-61

Acute phthisis bulbi and external ophthalmoplegia in herpes zoster ophthalmicus. Amanat LA, et al. **Ann Ophthalmol** 1985 Jan;17(1):46-51

Ocular signs in thiamine-deficient monkeys and in Wernicke's disease in humans. Cogan DG, et al. **Arch Ophthalmol** 1985 Aug;103(8):1212-20

Total ophthalmoplegia after internal maxillary artery ligation. Beall J, et al. **Arch Otolaryngol** 1985 Oct;111(10):696-8

Neuro-ophthalmology of sphenoid sinus carcinoma. Harbison JW, et al. **Brain** 1984 Sep;107 (Pt 3):855-70

Posttraumatic paresis of the superior oblique muscle. D'Haenens J, et al. **Bull Soc Belge Ophtalmol** 1983; 207:117-20

Extraocular muscle palsies in diabetes mellitus. Rush JA. **Int Ophthalmol Clin** 1984 Winter;24(4):155-9

Acute idiopathic ophthalmoplegias (a prospective study of eighty cases). Bhaskaran R, et al. **J Assoc Physicians India** 1984 May;32(5):426-8

Anterior internuclear ophthalmoplegia. Dhanaraj M, et al. **J Assoc Physicians India** 1984 Dec;32(12):1070-2

Intracranial bullet with secondary ophthalmoplegia. A case report. Lesoin F, et al. **J Belge Radiol** 1984;67(4):241-2

Vertical ocular motility disturbance in pseudotumor cerebri. Baker RS, et al. **J Clin Neuro Ophthalmol** 1985 Mar; 5(1):41-4

Tuberculosis granuloma in the midbrain causing wall-eyed bilateral internuclear ophthalmoplegia (Webino). Inocencio FP, et al. **J Clin Neuro Ophthalmol** 1985 Mar;5(1):31-5

Cryptic disseminated tuberculosis presenting as gaze palsy. Monteiro ML, et al. **J Clin Neuro Ophthalmol** 1985 Mar; 5(1):27-9

Bilateral trochlear nerve palsies. A clinicoanatomic correlate. Murray RS, et al. **J Clin Neuro Ophthalmol** 1985 Mar; 5(1):57-8

The superior orbital fissure syndrome. Zachariades N, et al. **J Maxillofac Surg** 1985 Jun;13(3):125-8

Ischaemic oculomotor nerve palsy. Clinical features and vascular risk factors in 23 patients. Teuscher AU, et al. **J Neurol** 1985;232(3):144-9

Diplopia. A review of 48 cases of isolated ocular cranial neuropathy. Wortham E, et al. **J Okla State Med Assoc** 1985 Apr;78(4):99-103

Tenosynovitis of the superior oblique muscle (Brown syndrome) associated with juvenile rheumatoid arthritis. Roifman CM, et al. **J Pediatr** 1985 Apr;106(4):617-9

Internal ophthalmoplegia caused by inferior oblique muscle myectomy. Damanakis AG, et al. **J Pediatr Ophthalmol Strabismus** 1985 May-Jun; 22(3):117-9

Acquired retraction syndrome associated with orbital metastasis. Kivlin JD, et al. **J Pediatr Ophthalmol Strabismus** 1985 May-Jun; 22(3):109-12

Bilateral acquired inflammatory Brown's syndrome. Moore AT, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jan-Feb; 22(1):26-30

Traumatic inferior oblique muscle paresis. Muchnick RS, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jul-Aug; 22(4):143-6

Sino-orbital aspergillosis associated with total ophthalmoplegia. Yumoto E, et al. **Laryngoscope** 1985 Feb; 95(2):190-2

Bilateral traumatic abducens nerve palsy without skull fracture and with cervical spine fracture: case report and review of the literature. Arias MJ. **Neurosurgery** 1985 Feb; 16(2):232-4

Isolated pupil-sparing third nerve palsy. Trobe JD. **Ophthalmology** 1985 Jan;92(1):58-61

Prognosis of oculomotor palsy following subarachnoid hemorrhage due to aneurysms of the posterior communicating artery. Perneczky A, et al. **Zentralbl Neurochir** 1984;45(3):189-95

[Endocrine orbital diseases in hypothyroidism] Brožková V, et al. **Cas Lek Cesk** 1984 Dec 14;123(50):1541-4 (Eng. Abstr.) **(Cze)**

[Oculomotor paralysis in ophthalmic herpes zoster] Johnsen T, et al. **Ugeskr Laeger** 1984 Apr 30;146(18):1345-7 (Eng. Abstr.) **(Dan)**

[Glaucoma and endocrine myopathy] Saraux H, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:373-7 **(Fre)**

[Myasthenia with oculomotor manifestations. Diagnostic and therapeutic possibilities. Apropos of a case] Laroche L, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1109-13 **(Fre)**

[Fluctuating amaurotic ophthalmoplegia associated with aspergillosis of the sphenoid sinus] Lemoine JJ, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul;84(6-7):787-90 **(Fre)**

[Bilateral meningiomas of the optic nerves associated with partial unilateral Duane's syndrome] Rohr J, et al. **Rev Neurol (Paris)** 1984;140(11):637-41 (Eng. Abstr.) **(Fre)**

[Dissociated supranuclear paralysis of the upward gaze. Manifestation of frontocallosal tumor invading the internal capsule on both sides] Blondel M, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):401-8 (Eng. Abstr.) **(Fre)**

[Sphenoidal mucocele. A diagnosis of painful ophthalmoplegia which must not be omitted] Bricout JH, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):357-64 (Eng. Abstr.) **(Fre)**

[Lateral gaze paralysis with automatico-voluntary dissociation. A case] Forgeau Y, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):365-9 (Eng. Abstr.) **(Fre)**

[Electrooculographic study of ocular motility changes in ophthalmic zona] Gorgone G, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):487-90 (Eng. Abstr.) **(Fre)**

[Regressive oculomotor disorders in meningioma of the cavernous sinus] Pasquier F, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):435-40 (Eng. Abstr.) **(Fre)**

[Transient unilateral oculomotor paralysis] Kattner E, et al. **Monatsschr Kinderheilkd** 1985 Mar;133(3):175-7 (Eng. Abstr.) **(Ger)**

[Motor function loss in zoster neuritis versus encephalitis—clinical case and review of literature] Kempkes K, et al. **Z Hautkr** 1984 Oct 1;59(19):1303-8, 1311 (Eng. Abstr.) **(Ger)**

[Association of ocular myasthenia and Hashimoto's thyroiditis] Bohaty I, et al. **Orv Hetil** 1984 Aug 19; 125(34):2077-80 (Eng. Abstr.) **(Hun)**

[Trigeminal neurinoma presenting abducens nerve palsy as initial symptom: a report of two cases] Katoh M, et al. **No Shinkei Geka** 1985 May;13(5):555-60 (Eng. Abstr.) **(Jpn)**

[Oculomotor abnormalities in amyotrophic lateral sclerosis] Yoshii F. **Rinsho Shinkeigaku** 1984 Dec;24(12):1246-8 (Eng. Abstr.) **(Jpn)**

[Transitory incomplete bilateral ophthalmoplegia of vascular origin] Pavićević R, et al. **Srp Arh Celok Lek** 1984 Mar; 112(3):347-53 (Eng. Abstr.) **(Scc)**

[Posttraumatic oculomotor paralysis. Clinical and electromyographic study] González E, et al. **Arch Neurobiol (Madr)** 1984 Jul-Aug;47(4):213-8 (Eng. Abstr.) **(Spa)**

[Dorsal mesencephalic syndrome of non-tumorous etiology. Clinical study and evolution of 18 cases] Roig-Arnall C, et al. **Arch Neurobiol (Madr)** 1984 Nov-Dec;47(6):318-24 (Eng. Abstr.) **(Spa)**

[Oculomotor paralysis in bacterial meningitis. Incidence and prognostic value] Alvarez Sabín J, et al. **Rev Clin Esp** 1984 May 31;173(4):227-30 (Eng. Abstr.) **(Spa)**

['One-and-a-half' syndrome as a manifestation of a spontaneous hematoma of the brainstem] Gobernado JM, et al. **Rev Clin Esp** 1984 May 31;173(4):243-4 **(Spa)**

FAMILIAL & GENETIC

Familial progressive external ophthalmoplegia with multisystem abnormalities: 'new' features raising nosological problems. Cantello R, et al. **J Neurol** 1985; 232(2):102-8

Ophthalmoplegic neurolipidosis—storage cells in heterocygotes. Frank U, et al. **Neuropediatrics** 1985 Feb; 16(1):3-6

[Range of variation of clinical forms of congenital familial motility disorders] Roggenkämper P, et al. **Fortschr Ophthalmol** 1984;81(4):385-7 (Eng. Abstr.) **(Ger)**

[Congenital familial external ophthalmoplegia] Koraszewska-Matuszewska B, et al. **Klin Oczna** 1984 Oct; 86(10):427-8 (Eng. Abstr.) **(Pol)**

METABOLISM

Mitochondrial myopathy with partial cytochrome oxidase deficiency and impaired oxidation of NADH-linked substrates. Sherratt HS, et al. **J Inherited Metab Dis** 1984; 7 Suppl 2:107-8

PATHOLOGY

Monozygotic twins concordant for bilateral Duane's retraction syndrome. Hofmann RJ. **Am J Ophthalmol** 1985 May 15;99(5):563-6

Retinal pathology in the Kearns-Sayre syndrome. McKechnie NM, et al. **Br J Ophthalmol** 1985 Jan; 69(1):63-75

Ophthalmic pathobiology. Neetens A. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):19-34

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 3-1985. A 33-year-old man with progressive right facial paresis and ophthalmoplegia without ptosis. **N Engl J Med** 1985 Jan 17;312(3):171-7

Superior division paresis of the oculomotor nerve. Guy J, et al. **Ophthalmology** 1985 Jun;92(6):777-84

[Clinicopathological study on eye movement of progressive supranuclear palsy] Mizutani T, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):355-63 (Eng. Abstr.) **(Jpn)**

[Tolosa-Hunt syndrome] Leibovici M, et al. **Rev Chir [Oftalmol]** 1984 Oct-Dec;28(4):307-10 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Midbrain paresis of horizontal gaze. Zackon DH, et al. **Ann Neurol** 1984 Oct;16(4):495-504

Saccadic velocity studies in paralytic strabismus: fixation with the paretic vs the nonparetic eye. Metz HS. **Ann Ophthalmol** 1985 Jan;17(1):37-8

Eye-movement abnormalities in ophthalmoplegia, ataxia, and areflexia (Fisher's syndrome). Zasorin NL, et al. **Arch Ophthalmol** 1985 Jan;103(1):55-8

The development of cell size in the dorsal lateral geniculate nucleus of monocularly paralyzed cats. Garraghty PE, et al. **Brain Res** 1985 Jul;353(1):99-106

Paresis of lateral gaze alternating with so-called posterior internuclear ophthalmoplegia. A partial paramedian pontine reticular formation-abducens nucleus syndrome. Bogousslavsky J, et al. **J Neurol** 1985;232(1):38-42

Adaptive response to ocular muscle weakness in human pursuit and saccadic eye movements. Optican LM, et al. **J Neurophysiol** 1985 Jul;54(1):110-22

Ocular torsional movements in humans with normal and abnormal ocular motility—Part I: Objective measurements. Kushner BJ, et al. **J Pediatr Ophthalmol Strabismus** 1984 Sep-Oct;21(5):172-7

Deterioration of severe Graves' ophthalmopathy during cyclosporin treatment [letter] Howlett TA, et al. **Lancet** 1984 Nov 10;2(8411):1101

A comparison of different models of extraocular muscle cooperation. Clement RA. **Ophthalmic Physiol Opt** 1985; 5(2):165-70

[Fisher's syndrome—report of 7 cases] Yin PA. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Feb; 18(1):27-9 (Eng. Abstr.) **(Chi)**

[Binocular gazing visual field in oculomotor paralysis] Trheil-Maussan M, et al. **Bull Soc Ophtalmol Fr** 1983 Oct; 83(10):1201-4 (Eng. Abstr.) **(Fre)**

[Oculomotor paralysis with cyclic spasms; electromyographic and electron microscopic indications of chronic peripheral nerve irritation] Kommerell G, et al. **Fortschr Ophthalmol** 1985;82(2):203-4 (Eng. Abstr.) **(Ger)**

[Vertical gaze paralysis and thalamic dementia. Syndrome of the posterior thalamo-subthalamic paramedian artery]

Kömpf D, et al. **Nervenarzt** 1984 Dec;55(12):625–36 **(Ger)**

[Oculo-auricular phenomenon and its value in neurologic diagnosis] Wagner A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Sep; 36(9):527–32 (Eng. Abstr.) **(Ger)**

[Electrophysiologic findings in a case of Fisher syndrome] D'Ecclesia G, et al. **Riv Neurol** 1984 Jul–Aug;54(4):265–73 (Eng. Abstr.) **(Ita)**

[Electromyography study on human eye movements. Report 2: Simultaneous EMG recordings from 4 recti muscles in an acquired supranuclear oculomotor disturbances] Aoki S. **Nippon Ganka Gakkai Zasshi** 1984 Sep;88(9):1200–10 (Eng. Abstr.) **(Jpn)**

[Measurement of cyclodeviation with fundus haploscope. Part V. Subjective cyclodeviation under uniocular conditions] Takahashi F. **Nippon Ganka Gakkai Zasshi** 1984 Dec;88(12):1443–9 (Eng. Abstr.) **(Jpn)**

[Case of cerebral aneurysm producing the aberrant regeneration of the oculomotor nerve] Watanabe A, et al. **No To Shinkei** 1984 Aug;36(8):743–7 (Eng. Abstr.) **(Jpn)**

[Recurrent internal ophthalmoplegia representing 'unilateral springing pupil'] Takeshima M, et al. **Rinsho Shinkeigaku** 1984 Oct;24(10):1023–7 (Eng. Abstr.) **(Jpn)**

[Effect of muscular disorders on ocular hydrodynamics in Graves–Basedow disease] Czarnomska Z, et al. **Klin Oczna** 1984 Oct;86(10):429–31 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Orbital phlebography in patients with Tolosa–Hunt's syndrome in comparison with normal subjects. Hannerz J, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(6):457–63

CT manifestation of ocular muscular dystrophy. Wosick WF, et al. **Comput Radiol** 1984 Nov–Dec;8(6):391–3

Wildervanck syndrome--the external appearance and radiologic findings. Schild JA, et al. **Int J Pediatr Otorhinolaryngol** 1984 Jul;7(3):305–10

[Computerized tomography diagnosis of malinsertion of the extrinsic eye muscle] Vosfeldt RI, et al. **Fortschr Ophthalmol** 1985;82(2):205–6 (Eng. Abstr.) **(Ger)**

[Comparison of the range of eye movements with the orbital image in computerized tomograms in Graves–Basedow disease] Krzystolikowa Z, et al. **Klin Oczna** 1984 Oct; 86(10):433–5 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Computed tomography in a case of ophthalmoplegia syndrome. Ketonen L, et al. **Ann Clin Res** 1985;17(1):37–42

SURGERY

Surgical treatment of the upshoot and downshoot in Duanes retraction syndrome. Rogers GL, et al. **Ann Ophthalmol** 1984 Sep;16(9):841–4

Treatment of the lateral rectus palsy. Ciancia AO, et al. **Doc Ophthalmol** 1984 Aug 15;58(1):57–64

Thymectomy in myasthenia with pure ocular symptoms. Schumm F, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr; 48(4):332–7

Surgical treatment of the upshoot and downshoot in Duanes' retraction syndrome. Rogers GL, et al. **Ophthalmology** 1984 Nov;91(11):1380–3

[Surgical treatment of superior oblique muscle paralysis] Guo PH. **Chung Hua Yen Ko Tsa Chih** 1984 May;20(3):146–7 **(Chi)**

[Personal experience with Hummelsheim's operation] Blažek K, et al. **Cesk Oftalmol** 1984 Nov;40(6):361–4 (Eng. Abstr.) **(Cze)**

[Results of plication of the superior oblique] Luca F, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:62–6 **(Fre)**

[Reconstructive surgery of the extraocular muscles] Kaufmann H. **Fortschr Ophthalmol** 1984;81(5):401–4 (Eng. Abstr.) **(Ger)**

[Use of Jampolsky's adjustable sutures in the treatment of eye movement disorders] Krzystkowa K, et al. **Klin Oczna** 1984 Sep;86(9):403–6 (Eng. Abstr.) **(Pol)**

[A case of post-traumatic paralytic convergent strabismus treated surgically with subsequent return of binocular vision] Pojda SM. **Klin Oczna** 1984 Oct;86(10):445–6 (Eng. Abstr.) **(Pol)**

[Surgical treatment of paralytic strabismus using dura mater transplants] Chekhova SP. **Oftalmol Zh** 1985;(2):80–2 (Eng. Abstr.) **(Rus)**

[Remote results of the surgical treatment of paralytic strabismus in children] Kovalevskiĭ EI, et al. **Oftalmol Zh** 1985;(2):70–2 (Eng. Abstr.) **(Rus)**

[Use of the Avetisov operation in paralysis of the external rectus muscle] Rozenblium IuZ. **Oftalmol Zh** 1985; (2):77–80 (Eng. Abstr.) **(Rus)**

[Surgical treatment of congenital paralytic and pseudoparalytic strabismus and nystagmus in children] Seniakina AS, et al. **Oftalmol Zh** 1985;(2):65–70 (Eng. Abstr.) **(Rus)**

THERAPY

Paralytic squint treated with acupuncture. Zheng JZ, et al. **J Tradit Chin Med** 1984 Sep;4(3):177–80

OPHTHALMOSCOPY

see related
FUNDUS OCULI
PAPILLEDEMA

The oculocardiac reflex during ophthalmoscopy in premature infants. Clarke WN, et al. **Am J Ophthalmol** 1985 Jun 15; 99(6):649–51

Component evaluation of cup/disk ratio estimation. Good GW, et al. **J Am Optom Assoc** 1984 Dec;55(12):889–93

Colloidal carbon as a combined ophthalmoscopic and microscopic probe of retinal and choroidal vascular integrity. del Cerro M, et al. **Ophthalmic Res** 1985; 17(1):34–41

Diabetic retinopathy as detected using ophthalmoscopy, a nonmydriatic camera and a standard fundus camera. Klein R, et al. **Ophthalmology** 1985 Apr;92(4):485–91

Choroidal melanoma: comparison of CT, fundoscopy, and US. Peyster RG, et al. **Radiology** 1985 Sep;156(3):675–80

INSTRUMENTATION

The indirect ophthalmoscope lens and eye movement disorders. Rosenberg ML. **Am J Ophthalmol** 1985 Apr 15; 99(4):491–2

Funduscopic systems: magnification in ametropia and aphakia. Raasch T. **Am J Optom Physiol Opt** 1985 Jan; 62(1):19–24

Clinical specular microscopy: the Australian experience. Medownick M, et al. **Aust J Ophthalmol** 1984 Nov; 12(4):325–9

An inexpensive ophthalmoscope. Maertens K, et al. **Trop Doct** 1985 Jul;15(3):141–2

[Fundus examination without radiation burden following implantation of intraocular lenses] Schwind HB. **Klin Monatsbl Augenheilkd** 1985 Apr;186(4):315 (Eng. Abstr.) **(Ger)**

[Influence of alignment of absolute stereo–fundus camera in progressive change on ocular fundus] Iwata K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Dec;88(12):1464–70 (Eng. Abstr.) **(Jpn)**

[Stereo–ophthalmoscope model 110 of VEB Carl Zeiss Jena adapted for stereophotography] Marcinkiewicz W. **Klin Oczna** 1984 Nov;86(11):500–3 (Eng. Abstr.) **(Pol)**

[Adaptation of the Retinophot camera for taking photographs of the fundus oculi at patient's bedside] Wrocławski J, et al. **Klin Oczna** 1984 Jun;86(6):279–80 (Eng. Abstr.) **(Pol)**

[A diagram–cliché for the evaluation of optic disk excavation in glaucoma] Pen'kov MA, et al. **Oftalmol Zh** 1985;(1):57–8 **(Rus)**

[Results of using a laser retinometer attachment for the slit lamp] Saprykin PI, et al. **Oftalmol Zh** 1984;(5):281–3 (Eng. Abstr.) **(Rus)**

[New–model device for reflection densitometry of the fundus oculi based on the Retinophot apparatus] Kipriianova TI, et al. **Vestn Oftalmol** 1985 Jan–Feb;101(1):44–6 **(Rus)**

METHODS

Graphics composition of fundus data. Pruett RC. **Am J Ophthalmol** 1984 Dec 15;98(6):728–31

Minimizing risk of adverse reactions to mydriatic agents in binocular indirect ophthalmoscopy. Levine L. **J Am Optom Assoc** 1985 Jul;56(7):542–8

The clinical significance of the vortex veins. Potter JW, et al. **J Am Optom Assoc** 1984 Nov;55(11):822–4

Comparison between ophthalmoscopy and fundus photography in determining severity of diabetic retinopathy. Moss SE, et al. **Ophthalmology** 1985 Jan; 92(1):62–7

VETERINARY

The use of ophthalmoscopes in veterinary practice. Lawson D. **In Pract** 1985 Mar;:40–2, 44

OPIATE DEPENDENCE see **NARCOTIC DEPENDENCE**

OPIATES see **NARCOTICS**

OPIATES, ENDOGENOUS see **ENDORPHINS**

OPIOID PEPTIDES see **ENDORPHINS**

OPISTHORCHIASIS

COMPLICATIONS

Opisthorchis viverrini infection and cholangiocarcinoma. A prospective, case–controlled study. Kurathong S, et al. **Gastroenterology** 1985 Jul;89(1):151–6

Hemobilia and liver flukes in a patient from Thailand. Wong RK, et al. **Gastroenterology** 1985 Jun;88(6):1958–63

Opisthorchiasis and its associated diseases. Juttijudata P, et al. **J Med Assoc Thai** 1985 Apr;68(4):222–7 (62 ref.)

[Enlargement of the gallbladder in opistorchosis] Al'perovich BI, et al. **Klin Med (Mosk)** 1985 Mar;63(3):48–52 (Eng. Abstr.) **(Rus)**

[Biliary hypertension in opisthorchiasis patients] Zigan'shin RV, et al. **Vestn Khir** 1984 Dec;133(12):29–33 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Laboratory diagnosis of opisthorchiasis] Gorbunova LA. **Lab Delo** 1985;(1):6–7 (Eng. Abstr.) **(Rus)**

[Effect of an Opisthorchis infestation on the course of infectious viral hepatitis] Borzunov VM, et al. **Med Parazitol (Mosk)** 1984 Sep–Oct;(5):35–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Clonorchiasis and praziquantel [editorial] Hsu CC, et al. **Arch Intern Med** 1985 Jun;145(6):1002–3

Therapeutic results in opisthorchiasis with praziquantel in a reinfection–free environment in France. Ambroise–Thomas P, et al. **Arzneimittelforsch** 1984; 34(9B):1177–9

Opisthorchis viverrini: clinical experience with praziquantel in Hospital for Tropical Diseases. Bunnag D, et al. **Arzneimittelforsch** 1984;34(9B):1173–4

Praziquantel for the treatment of Clonorchis/Opisthorchis infections: report of a double–blind, placebo–controlled trial. Jong EC, et al. **J Infect Dis** 1985 Sep;152(3):637–40

Treatment of Opisthorchiasis viverrini in hamsters with albendazole. Bhaibulaya M, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):389–93

[Praziquantel and other current preparations and chemotherapy methods in human trematodiases of the liver (opisthorchiasis and clonorchiasis) (a review of the literature)] Bronshtein AM. **Med Parazitol (Mosk)** 1984 Nov–Dec;(6):51–6 (82 ref.) **(Rus)**

[Effectiveness of mebendazole and bithionol in opisthorchiasis] Bronshtein AM, et al. **Med Parazitol (Mosk)** 1985 Mar–Apr;(2):86–8 (Eng. Abstr.) **(Rus)**

[Mebendazole in the treatment of opisthorchiasis] Karnaukhov VK. **Med Parazitol (Mosk)** 1985 Jan–Feb; (1):80–3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Serum glutamyl transferase and other liver function tests in Opisthorchis viverrini infection. Pongpaew P, et al. **Trop Med Parasitol** 1985 Mar;36(1):32–4

ETIOLOGY

[Morpho- and pathogenesis of parasite cholangitis] Glumov VIa, et al. **Med Parazitol (Mosk)** 1984 Sep–Oct;(5):9–13 (Eng. Abstr.) **(Rus)**

[Epidemiological aspects of opisthorchiasis in the Dzhezkazgan district of the Kazakh S.S.R.] Gorbunova LA, et al. **Med Parazitol (Mosk)** 1985 Mar–Apr;(2):10–2 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Some immunological aspects of opisthorchiasis. Sirisinha S. **Arzneimittelforsch** 1984;34(9B):1170–2

Change in immune response in children suffering from opisthorchosis and attempt at its correction using Levamisol. Kashuba EA, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(3):345–52

[Immune system in children with opisthorchiasis before and after treatment] Kashuba EA, et al. **Med Parazitol (Mosk)** 1985 Mar–Apr;(2):12–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Opisthorchiatic solitary intrahepatic cyst. Juttijudata P, et al. **Surg Gynecol Obstet** 1985 Jul;161(1):49–51

OCCURRENCE

Incidence of endemic Opisthorchis viverrini infection in a village in northeast Thailand. Upatham ES, et al. **Am J Trop Med Hyg** 1985 Sep;34(5):903–6

Infection and re–infection rates of opisthorchiasis in the water resource development area of Nam Pong project, Khon Kaen Province, northeast Thailand. Sornmani S, et al. **Ann Trop Med Parasitol** 1984 Dec;78(6):649–56

Public health aspects of opisthorchiasis in Thailand. Preuksaraj S. **Arzneimittelforsch** 1984;34(9B):1119–20

[Epizootologic and epidemiological characteristics of opisthorchiasis in the Aktiubinsk district] Smagulov KZ, et al. **Med Parazitol (Mosk)** 1985 Mar–Apr;(2):7–10 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Opisthorchis viverrini: life cycle, intermediate hosts, transmission to man and geographical distribution in Thailand. Harinasuta C, et al. **Arzneimittelforsch** 1984; 34(9B):1164–7

PATHOLOGY

Opisthorchis viverrini infection: pathogenesis and clinical features. Harinasuta T, et al. **Arzneimittelforsch** 1984; 34(9B):1167–9

[Effect of an Opisthorchis infestation on implantation growth of the liver epithelium] Ginovker AG, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):99–102 (Eng. Abstr.) **(Rus)**

[Phospholipase activity, lipid peroxides and antioxidants of the bile in parasitic liver diseases] Orlov MD, et al. **Lab Delo** 1985;(1):18–20 (Eng. Abstr.) **(Rus)**

[Clinico-morphological structure of superinvasive opisthochiasis] Bychkov VG, et al. **Med Parazitol (Mosk)** 1984 Sep-Oct;(5):13-6 (Eng. Abstr.) **(Rus)**

[Biorhythm structure of epithelial cellular renewal in the digestive organs in the chronic phase of opisthorchiasis and after worming] Ginovker AG. **Med Parazitol (Mosk)** 1984 Sep-Oct;(5):44-9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Water-salt metabolism and kidney function in chronic opisthorchiasis patients] Gapon LI. **Med Parazitol (Mosk)** 1984 Nov-Dec;(6):74-6 (Eng. Abstr.) **(Rus)**

[Intrahepatic circulatory function in chronic opisthorchiasis of children and changes in intrahepatic blood flow during chloxyl treatment] Kashuba EA, et al. **Med Parazitol (Mosk)** 1984 Sep-Oct;(5):16-20 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

A pilot project for controlling O. viverrini infection in Nong Wai, Northeast Thailand, by applying praziquantel and other measures. Sornmani S, et al. **Arzneimittelforsch** 1984; 34(9B):1231-4

[Experimental research on the chemoprophylaxis of opisthorchiasis using praziquantel] Lysenko AIa. **Med Parazitol (Mosk)** 1984 Sep-Oct;(5):38-40 (Eng. Abstr.) **(Rus)**

[The opisthorchiasis situation and its control in the Sumy district of the Ukraine] Shul'man ES, et al. **Med Parazitol (Mosk)** 1985 Mar-Apr;(2):84-6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Roentgenographically controlled healing of gallbladder lesions in opisthorchiasis after praziquantel treatment. Dhiensiri T, et al. **Arzneimittelforsch** 1984;34(9B):1175-7

Computed tomography in opisthorchiasis. Damrongsak D, et al. **Comput Radiol** 1984 Nov-Dec;8(6):379-85

TRANSMISSION

[Distribution of Bithynia inflata molluscs and their infestation with larval trematode forms in opisthorchiasis foci on the left-bank tributaries of the Dnieper] Beér SA, et al. **Med Parazitol (Mosk)** 1984 Nov-Dec;(6):18-22 (Eng. Abstr.) **(Rus)**

OPISTHORCHIDAE

GROWTH & DEVELOPMENT

[Studies on the life histories of three species of heterophyid trematodes and metorchis orientalis Tanabe, 1921] Zhang YJ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(1):12-6 (Eng. Abstr.) **(Chi)**

OPISTHORCHIS

[Distribution of Bithynia inflata molluscs and their infestation with larval trematode forms in opisthorchiasis foci on the left-bank tributaries of the Dnieper] Beér SA, et al. **Med Parazitol (Mosk)** 1984 Nov-Dec;(6):18-22 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Opisthorchis viverrini: life cycle, intermediate hosts, transmission to man and geographical distribution in Thailand. Harinasuta C, et al. **Arzneimittelforsch** 1984; 34(9B):1164-7

OPISTHORCHIS FELINEUS see **OPISTHORCHIS**

OPISTHORCHIS SINENSIS see **CLONORCHIS SINENSIS**

OPISTHORCHIS VIVERRINI see **OPISTHORCHIS**

OPIUM

Intramuscular midazolam. A comparison of midazolam with papaveretum and hyoscine for intramuscular premedication. McAteer EJ, et al. **Anaesthesia** 1984 Dec; 39(12):1177-82

Role of opium in esophageal cancer: a hypothesis [letter] Dowlatshahi K, et al. **Cancer Res** 1985 Apr;45(4):1906-7

Oesophageal cancer studies in the Caspian littoral of Iran: some residual results, including opium use as a risk factor. Ghadirian P, et al. **Int J Cancer** 1985 May 15;35(5):593-7

Drug dependence in Mekran-Panjgur revisited. Ahmad SH, et al. **JPMA** 1985 Jan;35(1):10-3

Opium, the religion of the people. Marks J. **Lancet** 1985 Jun 22;1(8443):1439-40

The medicated woman: 1880. McClary A. **Pharos** 1984 Summer;47(3):8-10

[The use of narcotics in old Vietnam. Current forms of its control] Pisztora F. **Orv Hetil** 1984 Oct 14;125(42):2569-72, 2575 **(Hun)**

ADMINISTRATION & DOSAGE

The pattern of postoperative analgesic administration in non-English speaking Asian women following caesarean section. Carnie JC, et al. **Ann R Coll Surg Engl** 1984 Sep; 66(5):365-6

When do patients given intrathecal morphine need postoperative systemic opiates? Downing R, et al. **Ann R Coll Surg Engl** 1985 Jul;67(4):251-3

Dosage errors involving opium [letter] Souney PF, et al. **JAMA** 1984 Dec 21;252(23):3251-2

ADVERSE EFFECTS

Characterization and identification of 6 mutagens in opium pyrolysates implicated in oesophageal cancer in Iran. Friesen M, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):177-91

ANALYSIS

Analysis of opium and crude morphine samples by capillary gas chromatography. Comparison of impurity profiles. Neumann H. **J Chromatogr** 1984 Dec 19;315:404-11

HISTORY

Thomas Dover--physician, pirate and powder, as seen through the looking glass of 20th-century physicians. Duke M. **Conn Med** 1985 Mar;49(3):179-82

Milk of paradise/milk of hell--the history of ideas about opium. Levinthal CF. **Perspect Biol Med** 1985 Summer; 28(4):561-77

Suicides by opium and its derivatives, in England and Wales, 1850-1950. Clarke MJ. **Psychol Med** 1985 May; 15(2):237-42

[Hufeland's opium therapy in comparison with contemporary thought] von Rechenberg L, et al. **Gesnerus** 1985; 42(1-2):97-119 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The need for analgesic cover after ENT surgery--comparison of nefopam and papaveretum. Hannington-Kiff JG. **Anaesthesia** 1985 Jan;40(1):76-8

OPOSSUMS

Hepatoma in two pygmy possums (cercartetus concinnus). Hopkins D, et al. **Aust Vet J** 1984 Aug;61(8):265

The gray opossum (Monodelphis domestica): a marsupial model for xenogeneic neoplasms. Fadem BH, et al. **Cancer Lett** 1985 Jun;27(2):233-8

ANATOMY & HISTOLOGY

Cortical projections to superficial laminae of the dorsal horn and to the ventral horn of the spinal cord in the North American opossum. Studies using the orthograde transport of WGA-HRP. Martin GF, et al. **Brain Res** 1985 Jun 24; 337(1):188-92

beta-like ganglion cells in the retina of the North American opossum. Wilson PD, et al. **Brain Res** 1985 Apr 1; 331(1):155-9

Cerebellar cortical efferent fibers in the North American opossum, Didelphis virginiana. II. The posterior vermis. Klinkhachorn PS, et al. **J Comp Neurol** 1984 Aug 10; 227(3):439-51

Cerebellar cortical efferent fibers in the North American opossum, Didelphis virginiana. I. The anterior lobe. Klinkhachorn PS, et al. **J Comp Neurol** 1984 Aug 10; 227(3):424-38

The morphology of relay neurons in the dorsal lateral geniculate nucleus of the marsupial brush-tailed possum (Trichosurus vulpecula). Robinson SR, et al. **J Comp Neurol** 1985 May 8;235(2):196-206

Motor units of the primary ankle extensor muscles of the opossum (Didelphis virginiana): functional properties and fiber types. Peters SE, et al. **J Morphol** 1984 Sep; 181(3):305-17

[Phylogenetic aspects of the Jacobson's organ and nasopalatine duct topography in insectivores, primates, Tupaia and Didelphis] Wöhrmann-Repenning A. **Anat Anz** 1984;157(2):137-49 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Scanning electron microscopic observations on the 9-day opossum (Didelphis virginiana) embryo. Krause WJ, et al. **Acta Anat (Basel)** 1984;120(3):93-7

Histological and ultrastructural observations of the attachment between the oral cavity of the fetus and the nipple of the mother in opossum (Didelphis azarae). Garcia PJ, et al. **Anat Anz** 1984;157(2):151-7

Morphological observations on the mesodermal cells in the 8 day opossum embryo. Krause WJ, et al. **Anat Anz** 1985; 158(3):273-8

The allantois of the North American opossum (Didelphis virginiana) with preliminary observations on the yolk sac endoderm and trophectoderm. Krause WJ, et al. **Anat Rec** 1985 Feb;211(2):166-73

GENETICS

Metaphase synchronization and chromosome preparation from the OK opossum cell line having a potentially isolatable X chromosome. Keith DH, et al. **In Vitro** 1984 Nov;20(11):833-6

GROWTH & DEVELOPMENT

An immunohistochemical study of serotonin development in the opossum cerebellum. Bishop GA, et al. **Anat Embryol (Berl)** 1985;171(3):325-38

The development of commissural connections of somatic motor-sensory areas of neocortex in the North American opossum. Cabana T, et al. **Anat Embryol (Berl)** 1985; 171(1):121-8

Developmental sequence in the origin of descending spinal pathways. Studies using retrograde transport techniques in the North American opossum (Didelphis virginiana). Cabana T, et al. **Brain Res** 1984 Aug;317(2):247-63

Developmental morphometry of the vagus nerve in the opossum. Krous HF, et al. **Brain Res** 1985 May; 352(1):155-9

Growth and restriction of the ipsilateral retinocollicular projection in the opossum. Méndez-Otero R, et al. **Brain Res** 1985 Feb;350(1-2):19[illegible]-210

Gonadotrophin induced development of the 'special zone' in the adrenal cortex of immature female possums (Trichosurus vulpecula) with concomitant activation of steroid reductases. Weiss M. **Comp Biochem Physiol [B]** 1984;79(2):173-9

METABOLISM

Demonstration of insulin in the pancreas of the Didelphis albiventris (opossum) by immunocytochemical techniques. Coutinho HB, et al. **Anat Anz** 1984;157(2):167-75

The synthesis and metabolism of gonadal steroids in pouch young of the opossum, Didelphis virginiana. George FW, et al. **Endocrinology** 1985 Mar;116(3):1145-50

Differences in cytochrome c oxidase capacity in smooth muscle of opossum esophagus and lower esophageal sphincter. Robison BA, et al. **Gastroenterology** 1984 Nov; 87(5):1009-13

Neurohypophyseal hormones as evolutionary tracers: identification of oxytocin, lysine vasopressin, and arginine vasopressin in two South American opossums (Didelphis marsupialis and Philander opossum). Chauvet J, et al. **Gen Comp Endocrinol** 1985 Feb;57(2):320-8

Localization of serotonin immunoreactivity in the opossum cerebellum. Bishop GA, et al. **J Comp Neurol** 1985 May 15;235(3):301-21

The distribution and synaptic organization of serotoninergic elements in the inferior olivary complex of the opossum. King JS, et al. **J Comp Neurol** 1984 Aug 10;227(3):357-68

The distribution of glutamic acid decarboxylase immunoreactivity in the diencephalon of the opossum and rabbit. Penny GR, et al. **J Comp Neurol** 1984 Sep 1; 228(1):38-56

Differences in steroidogenesis by the subcellular fractions of adrenocortical special zone and cortex proper of the female possum (Trichosurus vulpecula). Weiss M, et al. **J Steroid Biochem** 1984 Dec;21(6):701-7

Photoreactivation of UV-induced pyrimidine dimers and erythema in the marsupial Monodelphis domestica. Ley RD. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2409-11

MICROBIOLOGY

Experimental La Crosse virus infection of red fox (Vulpes fulva), raccoon (Procyon lotor), opossum (Didelphis virginiana), and woodchuck (Marmota monax). Amundson TE, et al. **Am J Trop Med Hyg** 1985 May;34(3):586-95

Isolation of Mycobacterium avium complex from an opossum Didelphis marsupialis in Brazil [letter] Mok WY. **Trans R Soc Trop Med Hyg** 1984;78(4):563-4

PARASITOLOGY

Chagas' disease in the Amazon basin IV. Host records of Trypanosoma cruzi zymodemes in the states of Amazonas and Rondonia, Brazil. Póvoa MM, et al. **Ann Trop Med Parasitol** 1984 Oct;78(5):479-87

Distribution, prevalence and intensity of Trichinella spiralis infection in furbearing mammals of Pennsylvania. Schad GA, et al. **J Parasitol** 1984 Jun;70(3):372-7

Description of Sarcocystis falcatula stiles, 1893, a parasite of birds and opossums. Box ED, et al. **J Protozool** 1984 Nov;31(4):521-4

Besnoitia darlingi (Apicomplexa, Sarcocystidae, Toxoplasmatinae): transmission between opossums and cats. Smith DD, et al. **J Protozool** 1984 Nov;31(4):584-7

Trypanosoma cruzi: vertebrate and invertebrate cycles in the same mammal host, the opossum Didelphis marsupialis. Deane MP, et al. **Mem Inst Oswaldo Cruz** 1984 Oct-Dec; 79(4):513-5

Natural infection of the opossum Didelphis albiventris (Marsupialia, Didelphidae) with Leishmania donovani, in Brazil. Sherlock IA, et al. **Mem Inst Oswaldo Cruz** 1984 Oct-Dec;79(4):511

Natural hosts of Leishmania mexicana amazonensis Lainson and Shaw, 1972 (Kinetoplastida: Trypanosomatidae) in French Guiana. Dedet JP, et al. **Trans R Soc Trop Med Hyg** 1985;79(3):302-5

[Comparative study of the efficiency of hemocultures and serial xenodiagnosis performed in opossums of the genus Didelphis, naturally infected by Trypanosoma cruzi] Ribeiro RD, et al. **Rev Bras Biol** 1984 Nov;44(4):389-94 (Eng. Abstr.) **(Por)**

[Didelphis marsupialis: principal reservoir of Leishmania spp. in the city of Trujillo, Venezuela] Scorza JV, et al.

Rev Cubana Med Trop 1984 May-Aug;36(2):194-200 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Physiological responses associated with feigned death in the American opossum. Gabrielsen GW, et al. **Acta Physiol Scand** 1985 Apr;123(4):393-8

Variability of lower esophageal sphincter pressure in the fasted unanesthetized opossum. Holloway RH, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):G398-406

Electrical properties of smooth muscle cell membrane of opossum esophagus. Kannan MS, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):G342-6

Capsaicin effects on muscularis mucosa of opossum esophagus: substance P release from afferent nerves? Robotham H, et al. **Am J Physiol** 1985 Jun;248(6 Pt 1):G655-62

Primary visual cortex in the brushtailed possum: receptive field properties and corticocortical connections. Crewther DP, et al. **Brain Behav Evol** 1984;24(4):184-97

Hibernation in pygmy possums (Marsupialia: Burramyidae). Geiser F. **Comp Biochem Physiol [A]** 1985;81(3):459-63

Motilin: a mechanism incorporating the opossum lower esophageal sphincter into the migrating motor complex. Holloway RH, et al. **Gastroenterology** 1985 Sep; 89(3):507-15

Influence of transsphincteric fluid flow on spike burst rate of the opossum sphincter of Oddi. Takahashi I, et al. **Gastroenterology** 1984 Dec;87(6):1292-8

Hormonal influence on the response of the uterus of the Brazilian marsupial Didelphis albiventris to adrenergic drugs. Rocha LR, et al. **Gen Comp Endocrinol** 1985 May; 58(2):179-85

Motor responses to positive-pressure breathing in the developing opossum. Farber JP. **J Appl Physiol** 1985 May; 58(5):1489-95

Characteristics of the oestrous cycle and influence of social factors in grey short-tailed opossums (Monodelphis domestica). Fadem BH, et al. **J Reprod Fertil** 1985 Mar; 73(2):337-42

Gastrointestinal myoelectric activity following abdominal operations in the opossum. Coelho JC, et al. **World J Surg** 1985 Aug;9(4):612-8

OPPENHEIM-ZIEHEN DISEASE see **DYSTONIA MUSCULORUM DEFORMANS**

OPSONINS

see related
PHAGOCYTOSIS

Opsonic properties of C-reactive protein. Stimulation by phorbol myristate acetate enables human neutrophils to phagocytize C-reactive protein-coated cells. Kilpatrick JM, et al. **J Immunol** 1985 May;134(5):3364-70

Complement receptor type three-dependent degradation of opsonized erythrocytes by mouse macrophages. Rothlein R, et al. **J Immunol** 1985 Oct;135(4):2668-72

The biochemistry of opsonization: central role of the reactive thiolester of the third component of complement. Hostetter MK, et al. **J Infect Dis** 1984 Nov;150(5):653-61

Opsonin-independent phagocytosis of surface-adherent bacteria by human alveolar macrophages. Lee DA, et al. **J Leukocyte Biol** 1984 Dec;36(6):689-701

Serum factors for opsonisation of non-typable Haemophilus influenzae. Lever AM, et al. **J Med Microbiol** 1985 Aug; 20(1):33-8

ANALYSIS

Opsonization of group B Streptococcus type III: studies using clinical strains and maternal sera. Hastings MJ, et al. **Br J Exp Pathol** 1985 Jun;66(3):317-23

Serum opsonic activity after immunization of adults with Haemophilus influenzae type b-diphtheria toxoid conjugate vaccine. Cates KL, et al. **Infect Immun** 1985 Apr; 48(1):183-9

Trypanolytic activity, agglutinins, and opsonins in sera from animals refractory to Trypanosoma lewisi. Ferrante A. **Infect Immun** 1985 Aug;49(2):378-82

Opsonic activity of immunoglobulin prepared for intravenous use. Hetherington SV, et al. **J Lab Clin Med** 1984 Dec; 104(6):977-86

Impairment of opsonic function in children with hematologic malignancy during remission induction therapy. Ueno N, et al. **Tohoku J Exp Med** 1985 Feb;145(2):115-23

A new assay for fibronectin opsonic activity and its application to plasma and plasma fractions. Chang MD, et al. **Vox Sang** 1985;48(4):217-28

BIOSYNTHESIS

Intravenous immune globulin for hypogammaglobulinemia: a comparison of opsonizing capacity in recipient sera. Steele RW, et al. **Clin Immunol Immunopathol** 1985 Mar; 34(3):275-83

Responses of opsonic substances to major trauma and sepsis. Stahl W, et al. **Crit Care Med** 1985 Oct;13(10):779-82

Variant specific opsonization of Trypanosoma evansi measured by luminol-dependent chemiluminescence. Diesing L, et al. **Immunobiology** 1985 Mar;169(2):139-46

BLOOD

Opsonic fibronectin after operation or trauma: effect of hemodilution and duration of operation. Richards WO, et al. **South Med J** 1984 Oct;77(10):1243-7

IMMUNOLOGY

Opsonins in normal mouse serum for the phagocytic killing of Proteus mirabilis by murine neutrophils. Finlay-Jones JJ, et al. **Br J Exp Pathol** 1984 Dec;65(6):711-8

The opsonic activity of whey and sera from heifers experimentally infected with Streptococcus agalactiae. Mackie DP, et al. **Br Vet J** 1985 Jul-Aug;141(4):349-54

Opsonic activity of human ascitic fluid: a potentially important protective mechanism against spontaneous bacterial peritonitis. Runyon BA, et al. **Hepatology** 1985 Jul-Aug;5(4):634-7

Opsonophagocytic killing activity of rabbit antibody to Pseudomonas aeruginosa mucoid exopolysaccharide. Ames P, et al. **Infect Immun** 1985 Aug;49(2):281-5

Human opsonins to meningococci after vaccination. Halstensen A, et al. **Infect Immun** 1984 Dec;46(3):673-6

Opsonic activity of the alternative complement pathway in infected human intra-abdominal fluid. Lam C, et al. **Infection** 1985 Jan-Feb;13(1):8-11

Resistance to phagocytosis by group A streptococci: failure of deposited complement opsonins to interact with cellular receptors. Weis JJ, et al. **J Immunol** 1985 Jan;134(1):500-5

A quantitative method for assessing the third complement factor (C3) attached to the surface of opsonized Pseudomonas aeruginosa: interrelationship between C3 fixation, phagocytosis and complement consumption. Engels W, et al. **J Immunol Methods** 1985 Jul 16; 81(1):43-53

Resistance of Vibrio vulnificus to serum bactericidal and opsonizing factors: relation to virulence in suckling mice and humans. Johnson DE, et al. **J Infect Dis** 1984 Sep; 150(3):413-8

The relation of the Ibc protein antigen to the opsonization differences between strains of type II group B streptococci. Payne NR, et al. **J Infect Dis** 1985 Apr;151(4):672-81

A study of antibodies and opsonic activity in human crevicular fluid in relation to periodontal disease. Challacombe SJ, et al. **J Periodont Res** 1984 Nov; 19(6):604-8

Estimation of the degree of opsonization of homologous erythrocytes by IgG for intravenous and intramuscular use. Jungi TW, et al. **Vox Sang** 1985;49(1):9-19

[Biological and immunological properties of native streptococcal M protein isolated by use of endo-N-acetylmuramidase, especially the production of opsonic antibody] Usami H. **Nippon Saikingaku Zasshi** 1985 Mar;40(2):477-99 (Eng. Abstr.) **(Jpn)**

[Opsonin deficiency as the cause of disorders of phagocytic reactions of neutrophils in staphyloderma patients] Lesnitskii AI. **Vestn Dermatol Venerol** 1984 Aug;(8):10-3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A lectinlike receptor on murine macrophage cell line cells, Mm1: involvement of sialic acid-binding sites in opsonin-independent phagocytosis for xenogeneic red cells. Kyoizumi S, et al. **J Leukocyte Biol** 1985 Mar;37(3):289-304

PHYSIOLOGY

Opsonic activity of MCP-1 and MCP-2, cationic peptides from rabbit alveolar macrophages. Fleischmann J, et al. **Diagn Microbiol Infect Dis** 1985 May;3(3):233-42

Influence of subinhibitory concentrations of antibiotics on opsonization and phagocytosis of Pseudomonas aeruginosa by human polymorphonuclear leukocytes. Milatovic D. **Eur J Clin Microbiol** 1984 Aug;3(4):288-93

Vibrio vulnificus resists phagocytosis in the absence of serum opsonins. Tamplin ML, et al. **Infect Immun** 1985 Sep; 49(3):715-8

Characterization of the opsonic and monocyte adherence functions of the specific fibronectin fragment that enhances phagocytosis of particulate activators. Czop JK, et al. **J Immunol** 1985 Mar;134(3):1844-50

Characterization of the interaction of human eosinophils and neutrophils with opsonized particles. Yazdanbakhsh M, et al. **J Immunol** 1985 Aug;135(2):1378-84

Opsonic activity of cord blood sera against various species of microorganism. Márodi L, et al. **Pediatr Res** 1985 May; 19(5):433-6

OPTIC ATROPHY

Optic atrophy following jejunoileal bypass. Haag JR, et al. **J Clin Neuro Ophthalmol** 1985 Mar;5(1):9-15

BLOOD

Red cell glutathione in Leber's optic atrophy. Cotticelli L, et al. **Metab Ophthalmol** 1984-85;8(1):31-4

CHEMICALLY INDUCED

A neurological evaluation of purported cases of SMON in Sweden. Gilland O. **Acta Neurol Scand [Suppl]** 1984; 100:165-9

Some thoughts on 'SMON'. Pallis C. **Acta Neurol Scand [Suppl]** 1984;100:147-53

Neurotoxicity of halogenated hydroxyquinolines: non-Japanese cases. Thomas PK. **Acta Neurol Scand [Suppl]** 1984;100:155-8

SMON as seen from Bombay. Wadia NH. **Acta Neurol Scand [Suppl]** 1984;100:159-64

Methyl bromide optic atrophy. Chavez CT, et al. **Am J Ophthalmol** 1985 Jun 15;99(6):715-9

COMPLICATIONS

Dominant optic atrophy, deafness, ptosis, ophthalmoplegia, dystaxia, and myopathy. A new syndrome. Treft RL, et al. **Ophthalmology** 1984 Aug;91(8):908-15

[Neuro-ophthalmology of the chiasmal syndrome] Huber A. **Schweiz Rundsch Med Prax** 1984 Aug 7;73(32):987-94 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Visual prognosis in pituitary tumors. Jain IS, et al. **Ann Ophthalmol** 1985 Jul;17(7):392-6

Leber's optic atrophy with myopia masquerading as glaucoma: case report. Lauer SA, et al. **Ann Ophthalmol** 1985 Feb;17(2):146-8

A mimic of the 'exact diagnostic sign' of Foster Kennedy. Lepore FE, et al. **Ann Ophthalmol** 1985 Jul;17(7):411-2

[Reliability of objective determination of VEP vision in diseases of the anterior eye segment, retina and optic nerve] Petersen J, et al. **Fortschr Ophthalmol** 1984;81(5):476-9 (Eng. Abstr.) **(Ger)**

[Acute ischemic optic neuropathy. II. Clinical aspects] Czajkowski J, et al. **Klin Oczna** 1984 Nov;86(11):477-9 (Eng. Abstr.) **(Pol)**

[Diagnosis of optic nerve atrophy] Sergienko NM. **Oftalmol Zh** 1984;(6):339-41 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Effectiveness of the local use of komplamin and ATP in treating patients with primary and secondary optic atrophy] Shpak NI, et al. **Oftalmol Zh** 1985;(3):159-62 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Decreased thiosulfate sulfur transferase (rhodanese) in Leber's hereditary optic atrophy. Cagianut B, et al. **Klin Wochenschr** 1984 Sep 17;62(18):850-4

ETIOLOGY

Quantitative computed tomography of Graves' ophthalmopathy. Extraocular muscle and orbital fat in development of optic neuropathy. Feldon SE, et al. **Arch Ophthalmol** 1985 Feb;103(2):213-5

Optic atrophy in metabolic diseases. Libert J. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):87-92

Experimental bilateral carotid artery occlusion: a study of the optic nerve in the rat. Takamatsu J, et al. **Neuropathol Appl Neurobiol** 1984 Nov-Dec;10(6):423-8

[A rare cause of Foster Kennedy syndrome: cerebral hydatidosis] Le Hoang P, et al. **Bull Soc Ophtalmol Fr** 1984 Apr;84(4):385-6, 388 (Eng. Abstr.) **(Fre)**

[Acute ischemic optic neuropathy. I. Etiopathogenesis] Czajkowski J, et al. **Klin Oczna** 1984 Nov;86(11):475-6 (Eng. Abstr.) **(Pol)**

[Actinomycosis of the maxillary sinus with optic nerve atrophy] Kurnatowski P, et al. **Otolaryngol Pol** 1985; 39(1):57-60 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

The inheritance of Leber's disease. A genealogical follow-up study. Seedorff T. **Acta Ophthalmol (Copenh)** 1985 Apr; 63(2):135-45

Linkage between the genes for Wolfram syndrome and brachydactyly E [letter] Bale AE, et al. **Am J Med Genet** 1985 Apr;20(4):733-4

GAPO syndrome: report of three affected brothers. Gagliardi AR, et al. **Am J Med Genet** 1984 Oct;19(2):217-23

Growth retardation, alopecia, pseudo-anodontia, and optic atrophy--the GAPO syndrome: report of a patient and review of the literature. Tipton RE, et al. **Am J Med Genet** 1984 Oct;19(2):209-16

Decreased thiosulfate sulfur transferase (rhodanese) in Leber's hereditary optic atrophy. Cagianut B, et al. **Klin Wochenschr** 1984 Sep 17;62(18):850-4

New aspects of the genetic, etiologic, and clinical puzzle of Leber's disease. Nikoskelainen E. **Neurology** 1984 Nov; 34(11):1482-4

[Analysis of Leber's disease in 58 families] Tong Y. **Chung Hua Yen Ko Tsa Chih** 1985 May;21(3):163-5 **(Chi)**

[Pattern ERG and pattern visually evoked cortical potentials in autosomal dominant infantile optic atrophy] Papst N, et al. **Fortschr Ophthalmol** 1985;82(3):300-1 (Eng. Abstr.) **(Ger)**

[Independence of retinopathy and optic atrophy in the DIDMOAD syndrome] Hennekes R, et al. **Klin Monatsbl Augenheilkd** 1984 Aug;185(2):100-4 (Eng. Abstr.) **(Ger)**

[Neurogenic diabetes insipidus and DIDMOAD (letter)] Garcia-Luna PP, et al. **Med Clin (Barc)** 1985 Jun 29; 85(5):208 **(Spa)**

IMMUNOLOGY

HLA antigens in Wolfram's syndrome. Blasi C, et al. **Horm Metab Res** 1984 Sep;16(9):498

PATHOLOGY

Infantile neuroaxonal dystrophy in an albino girl. A cliniconeuropathologic study. Wisniewski KE, et al. **Acta Neuropathol (Berl)** 1985;66(1):68-71

Narrowing of the retinal arterioles in descending optic atrophy. A quantitative clinical study. Frisén L, et al. **Ophthalmology** 1984 Nov;91(11):1342-6

[Combined nodular degeneration of the corneas, optic atrophy and horizontal nystagmus with decreased intellect and changes in the bone system] Novitskiĭ IIa. **Oftalmol Zh** 1984;(3):185-6 **(Rus)**

PHYSIOPATHOLOGY

Macular reflexes in optic atrophy. Safran AB, et al. **Am J Ophthalmol** 1984 Oct 15;98(4):494-8

Visual acuity in optic atrophy: a quantitative clinicopathological analysis. Frisén L, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;222(2):71-4

Oscillatory potentials of the electroretinogram in patients with unilateral optic atrophy. Wachtmeister L, et al. **Ophthalmologica** 1985;191(1):39-50

[Evoked potential dynamics of patients during therapeutic electrostimulation of damaged optic nerves] Lyskov EB. **Fiziol Cheloveka** 1984 Sep-Oct;10(5):747-52 **(Rus)**

THERAPY

[Comparative effectiveness of the local use of sodium nitrite, platyphylline and complamine in treating optic atrophy] Shpak NI, et al. **Oftalmol Zh** 1984;(5):294-7 (Eng. Abstr.) **(Rus)**

OPTIC CHIASM

Intradural tuberculoma of the spine and opto-chiasmatic arachnoiditis as complication of tuberculous meningitis. A case report. Giamundo A, et al. **Acta Neurol (Napoli)** 1985 Feb;7(1):38-42

Comparison of manual Goldmann and automated static visual fields using the Dicon 2000 perimeter in the detection of chiasmal tumors. Wirtschafter JD, et al. **Ann Ophthalmol** 1984 Aug;16(8):733-41

Optic gliomas: radiation therapy and prognosis. Horwich A, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1067-79

Cavitron ultrasonic surgical aspirator and visual evoked potential monitoring for chiasmal gliomas in children. Report of two cases. Albright AL, et al. **J Neurosurg** 1985 Jul;63(1):138-40

Spasmus nutans associated with optic gliomas in infants. Albright AL, et al. **J Pediatr** 1984 Nov;105(5):778-80

Perichiasmal tumors: diagnostic and prognostic features. Trobe JD, et al. **Neurosurgery** 1984 Sep;15(3):391-9

Transpetrosal-transtentorial approach and its application in the therapy of retrochiasmatic craniopharyngiomas. Hakuba A, et al. **Surg Neurol** 1985 Oct;24(4):405-15

[Neuro-ophthalmology of the chiasmal syndrome] Huber A. **Schweiz Rundsch Med Prax** 1984 Aug 7;73(32):987-94 (Eng. Abstr.) **(Ger)**

[Use of visual evoked potentials in neurology--a review. II] Cammann R. **Zentralbl Neurochir** 1985;46(1):57-61 (Eng. Abstr.) **(Ger)**

[Diagnostic value of fluorophotocalibrometry of retinal vessels in patients with tumors of chiasmal-sellar localization] Kolotova AI. **Oftalmol Zh** 1985;(1):30-3 (Eng. Abstr.) **(Rus)**

[Significance of fundus oculi changes in the diagnosis of optochiasmic leptomeningitis] Shershevskaia SF, et al. **Oftalmol Zh** 1985;(2):97-9 (Eng. Abstr.) **(Rus)**

[Visual evoked potentials in optochiasmal arachnoiditis] Parfenova ND, et al. **Zh Vopr Neirokhir** 1984 Sep-Oct;(5):45-50 (Eng. Abstr.) **(Rus)**

[The status of visual acuity and visual fields before and after decompression of the chiasma] Stevanović M, et al. **Med Pregl** 1984;37(5-6):241-5 (Eng. Abstr.) **(Ser)**

CYTOLOGY

Cells of origin of fibres to the retrochiasmatic area: a horseradish peroxidase study. Záborszky L, et al. **Acta Morphol Hung** 1984;32(3-4):251-78

INJURIES

Receptive field sizes and responsiveness to light in area 18 of the adult cat after chiasmotomy. Postoperative evolution; role of visual experience. Milleret C, et al. **Exp Brain Res** 1984;57(1):73-81

METABOLISM

Neuropeptides in the hypothalamo-hypophyseal system: lateral retrochiasmatic area as a common gate for neuronal fibers towards the median eminence. Palkovits M. **Peptides (Fayetteville)** 1984;5 Suppl 1:35-9 (47 ref.)

PATHOLOGY

Junction scotoma and involvement of the optochiasmal junction. Saito T, et al. **Jpn J Ophthalmol** 1985;29(1):71-8

[Hypothalamic sarcoidosis with chiasmatic involvement] Godlewski J, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec; 56(4-5):347-55 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Oculomotor corollary discharge in the cat pretectum. Bon L, et al. **Arch Int Physiol Biochim** 1984 Oct;92(3):153-7

Perfect interocular transfer of visual pattern discriminations in split-chiasm cats trained with fading. Mascetti GG, et al. **Behav Brain Res** 1984 Dec;14(3):255-61

On the formation of eye dominance stripes and patches in the doubly-innervated optic tectum of the chick. Fawcett JW, et al. **Brain Res** 1985 Jan;349(1-2):147-63

Electrophysiological evidence for central nervous connections of the pigeon's pineal gland. Demaine C, et al. **Brain Res Bull** 1984 Nov;13(5):629-34

[Electrophysiological maturation of neurons of the lateral geniculate nucleus after lesion of ponto-geniculo-occipital pathways in kittens] Davenne D, et al. **C R Acad Sci [III]** 1985;300(2):59-64 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Optic chiasm split and binocularity diminution in cortical cells of acute and of chronic operated adult cats. Yinon U, et al. **Exp Brain Res** 1985;58(3):552-8

RADIATION EFFECTS

Occlusion of the internal carotid artery after radiation therapy for the chiasmal lesion. Hirata Y, et al. **Acta Neurochir (Wien)** 1985;74(3-4):141-7

[Chiasmatic radionecrosis after multifractionated radiotherapy of a temporal glioma] Fauchon F, et al. **Rev Neurol (Paris)** 1985;141(4):315-7 (Eng. Abstr.) **(Fre)**

[Delayed radiation necrosis in the optochiasmatic region--report of two cases and review of the literature] Andoh T, et al. **No To Shinkei** 1984 Dec;36(12):1207-14 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Large hypothalamic and optic chiasm gliomas in infants: difficulties in distinction. Davis PC, et al. **AJNR** 1984 Sep-Oct;5(5):579-85

[Opto-chiasmatic glioma: radiological signs] De Chazelles MJ, et al. **Bull Soc Ophtalmol Fr** 1984 Apr;84(4):365-8, 371-5 **(Fre)**

SURGERY

Postoperative regression of opticochiasmatic astrocytoma: a case for expectant therapy. Venes JL, et al. **Neurosurgery** 1984 Sep;15(3):421-3

OPTIC DISK

Cavernous hemangioma of the optic disc. Drummond JW, et al. **Ann Ophthalmol** 1980 Sep;12(9):1017-8

Optic nerve head drusen [letter] Beck RW. **Arch Ophthalmol** 1984 Oct;102(10):1424

Principles of photometry of the papilla. Hendrickson P, et al. **Arch Ophthalmol** 1984 Nov;102(11):1704-7

Computed tomographic diagnosis of buried drusen of the optic nerve head. Mullie MA, et al. **Can J Ophthalmol** 1985 Apr;20(3):114-7

Optic disc drusen and central vein occlusion. ten Doesschate MJ, et al. **Doc Ophthalmol** 1985 Jan 31;59(1):27-31

Quantitative studies in stereochronoscopy (Sc): application to the disc in glaucoma. I. Phenomenology. Goldmann H, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;222(1):38-42

Component evaluation of cup/disk ratio estimation. Good GW, et al. **J Am Optom Assoc** 1984 Dec;55(12):889-93

Capillary hemangioma of the optic disc. Takahashi T, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):159-62

Optic disk abnormalities. Savino PJ. **Neurol Clin** 1983 Nov; 1(4):883-95 (18 ref.)

Retinitis pigmentosa associated with astrocytic hamartomas of the optic disc. Bec P, et al. **Ophthalmologica** 1984; 189(3):135-8

Drusen of the optic nerve head. An important model. Savage GL, et al. **Ophthalmology** 1985 Jun;92(6):793-9

[A diagram-cliché for the evaluation of optic disk excavation in glaucoma] Pen'kov MA, et al. **Oftalmol Zh** 1985;(1):57-8 **(Rus)**

[Luminescent and dark disk symptom in central serous chorioretinopathy] Todor GA. **Oftalmol Zh** 1984;(4):222-3 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Coloboma of the optic nerve head in Bengal tiger kittens (Panthera tigris tigris). Dietz HH, et al. **Acta Vet Scand** 1985;26(1):136-9

Echographic features of tilted optic disk. Singh J. **Ann Ophthalmol** 1985 Jun;17(6):382-4

Acquired and progressive myelinated nerve fibers. Aaby AA, et al. **Arch Ophthalmol** 1985 Apr;103(4):542-4

An unusual case of congenital unilateral Coats's disease associated with morning glory optic disc anomaly. Kremer I, et al. **Br J Ophthalmol** 1985 Jan;69(1):32-7

Optic nerve head congenital pits. Report of a case. Tong Y, et al. **Chin Med J [Engl]** 1985 Feb;98(2):127-8

Developmental anomalies of the optic disc and carotid circulation. A new association. Hanson MR, et al. **J Clin Neuro Ophthalmol** 1985 Mar;5(1):3-8

Septooptic dysplasia (de Morsier syndrome). Williams JL, et al. **J Ultrasound Med** 1985 May;4(5):265-6

Retinal detachment in Morning Glory syndrome. Akiyama K, et al. **Ophthalmic Surg** 1984 Oct;15(10):841-3

The disc that really isn't (hypoplastic disc syndrome) [clinical conference] Keltner JL, et al. **Surv Ophthalmol** 1985 Mar-Apr;29(5):349-54

[Morning-glory papilla and detachment of the macular neuroepithelium] Adenis JP. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1163-4 (Eng. Abstr.) **(Fre)**

[A case of bilateral morning-glory syndrome] Le Rebeller MJ, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul; 84(6-7):799-802 **(Fre)**

[Papillary pits and maculopathies] Romanet JP, et al. **Bull Soc Ophtalmol Fr** 1983 Nov;83(11):1311-4, 1317 **(Fre)**

[Familial binasal visual field contraction] Gruber H, et al. **Klin Monatsbl Augenheilkd** 1984 Sep;185(3):198-9 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Characteristics of the optic disc cup. Kragha IK. **Am J Optom Physiol Opt** 1985 Mar;62(3):195-202

Clinical investigation of the cup/disc ratios [letter] Findley HM. **J Am Optom Assoc** 1984 Sep;55(9):645

The reproducibility of computerized boundary analysis for measuring optic disc pallor in the normal optic disc. Nagin P, et al. **Ophthalmology** 1985 Feb;92(2):243-51

[Topographical studies on the normal optic disk] Hu C. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):218-21 **(Chi)**

[Topographic studies of the optic disc in 200 newborn infants] Li JZ. **Chung Hua Yen Ko Tsa Chih** 1985 May;21(3):142-5 **(Chi)**

BLOOD SUPPLY

Neovascularization of the optic disk associated with atypical retinitis pigmentosa. Bressler NM, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):431-3

Optic disk neovascularization in leukemia [letter] Delaney WV Jr, et al. **Am J Ophthalmol** 1985 Feb 15;99(2):212-3

Evolution of optociliary veins in optic nerve sheath meningioma. Evolution. Imes RK, et al. **Arch Ophthalmol** 1985 Jan;103(1):59-60

Vitreous hemorrhage following paracentesis in a diabetic with epipapillary neovascularization [letter] Jost BF, et al. **Arch Ophthalmol** 1985 Jul;103(7):891, 894

Neovascular glaucoma associated with ocular hypoperfusion secondary to carotid artery disease. Higgins RA. **Aust J Ophthalmol** 1984 May;12(2):155-62

Solitary silent venous papillary loops and ocular hypertension. West RH, et al. **Aust J Ophthalmol** 1984 Nov; 12(4):351-7

Inter-individual variation in blood supply of the optic nerve head. Its importance in various ischemic disorders of the optic nerve head, and glaucoma, low-tension glaucoma and allied disorders. Hayreh SS. **Doc Ophthalmol** 1985 Apr 30; 59(3):217-46

[Doppler recording in acute ischemia of the head of the optic nerve] Rossazza C, et al. **Bull Mem Soc Fr Ophtalmol** 1985; 96:437-40 **(Fre)**

[Low-noise bilateralization of anterior ischemia of the optic nerve in 2 patients with emboligenic cardiopathy] Thienpont P, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul; 84(6-7):819-21 **(Fre)**

[Idiopathic macular retinoschisis in the young subject associated with preretinal and prepapillary neovessels] Brancato R, et al. **J Fr Ophtalmol** 1984;7(11):685-8 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Optic disk findings in hypervitaminosis A. Marcus DF, et al. **Ann Ophthalmol** 1985 Jul;17(7):397-402

Discolouration of the optic disc in baboons during treatment with prizidilol (SK&F 92657), a novel antihypertensive agent. Barnett KC, et al. **Hum Toxicol** 1985 Jul;4(4):417-24

INJURIES

Partial avulsion of the optic nerve head secondary to local trauma: case report. Zinn KM, et al. **Mt Sinai J Med (NY)** 1984 Sep;51(5):629-32

PATHOLOGY

Early diagnosis of glaucoma. The value of successive stereophotography of the optic disc. Odberg T, et al. **Acta Ophthalmol (Copenh)** 1985 Jun;63(3):257-63

Neuroretinal rim areas and visual field indices in glaucoma. Airaksinen PJ, et al. **Am J Ophthalmol** 1985 Feb 15; 99(2):107-10

The correlation between optic disk topography measured by the video-ophthalmograph (Rodenstock analyzer) and clinical measurement. Mikelberg FS, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):417-9

Scleral canal size and optic nerve head drusen. Mullie MA, et al. **Am J Ophthalmol** 1985 Mar 15;99(3):356-9

Cupping of the optic disc with compressive lesions of the anterior visual pathway. Kupersmith MJ, et al. **Ann Ophthalmol** 1984 Oct;16(10):948-53

Drusen [letter] Gartner S. **Arch Ophthalmol** 1985 Sep;

103(9):1283

Correlation of color vision deficits and observable changes in the optic disc in a population of ocular hypertensives. Hamill TR, et al. **Arch Ophthalmol** 1984 Nov;102(11):1637-9

Laser-induced primate glaucoma. I. Progression of cupping. Pederson JE, et al. **Arch Ophthalmol** 1984 Nov;102(11):1689-92

Intrapapillary refractile bodies in optic nerve sheath meningioma. Sibony PA, et al. **Arch Ophthalmol** 1985 Mar;103(3):383-5

Neuroretinal rim area [letter] Sommer A. **Arch Ophthalmol** 1984 Nov;102(11):1583-4

Reproducibility of photogrammetric optic disc cup measurements. Takamoto T, et al. **Invest Ophthalmol Vis Sci** 1985 Jun;26(6):814-7

Is there a racial difference in physiologic cup size? Beck RW, et al. **Ophthalmology** 1985 Jul;92(7):873-6

Optic disc structure in anterior ischemic optic neuropathy. Beck RW, et al. **Ophthalmology** 1984 Nov;91(11):1334-7

Change in appearance of the optic disc associated with lowering of intraocular pressure. Greenidge KC, et al. **Ophthalmology** 1985 Jul;92(7):897-903

Detection of increased pallor over time. Computerized image analysis in untreated ocular hypertension. Nagin P, et al. **Ophthalmology** 1985 Feb;92(2):252-61

White spots on the optic disc. Sanders MD. **Trans Ophthalmol Soc UK** 1985;104 (Pt 1):70-1

[Changes in the position of the fovea with reference to the disc as a guide in the diagnosis of cyclotropia] Kong LY. **Chung Hua Yen Ko Tsa Chih** 1984 May;20(3):142-5 **(Chi)**

[Papillary recurrence of glioma of the optic nerve] Malan P, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):671-4 (Eng. Abstr.) **(Fre)**

[Abnormal findings in the ocular fundi of colony-born cynomolgus monkeys] Suzuki MT, et al. **Jikken Dobutsu** 1985 Apr;34(2):131-40 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Fluctuations of light absorption of healthy papillae repeatedly photographed over a long period of time. Robert Y, et al. **Ophthalmic Res** 1985;17(3):154-61

[Status of functional scotomas in corneal forms of ophthalmic herpes] Vin'kova GA, et al. **Oftalmol Zh** 1985;(3):184-5 **(Rus)**

PHYSIOPATHOLOGY

Decreased visual acuity from optic disc drusen. Beck RW, et al. **Arch Ophthalmol** 1985 Aug;103(8):1155-9

Comparison of the optic nerve head in high- and low-tension glaucoma. Caprioli J, et al. **Arch Ophthalmol** 1985 Aug;103(8):1145-9

Cup-disc ratio and ischemic optic neuropathy. Doro S, et al. **Arch Ophthalmol** 1985 Aug;103(8):1143-4

Color appearance of the papilla in normal and glaucomatous eyes. A photopapillometric study. Robert Y, et al. **Arch Ophthalmol** 1984 Dec;102(12):1772-5

[Blind spot syndrome in convergent strabismus of the horror-fusionis type] Harrer S. **Klin Monatsbl Augenheilkd** 1984 Aug;185(2):126-7 (Eng. Abstr.) **(Ger)**

[State of the optic disk and visual field boundaries examined daily by perimetry in patients in the early stages of glaucoma] Titenko KS. **Oftalmol Zh** 1985;(2):92-4 (Eng. Abstr.) **(Rus)**

[Postoperative changes in glaucomatous excavation of the optic disk in young people] Alekseev BN, et al. **Vestn Oftalmol** 1984 Sep-Oct;(5):16-8 (Eng. Abstr.) **(Rus)**

[Relation of the size of the optic disk excavation to the hemodynamic level of the eye in persons with elevated ocular tension] Basinskii SN, et al. **Vestn Oftalmol** 1985 Jan-Feb;101(1):3-5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Measurement of fluorescein angiograms of the optic disc and retina using computerized image analysis. Nagin P, et al. **Ophthalmology** 1985 Apr;92(4):547-52

[Value of x-ray computed tomography in papilledema caused by drusen of the optic papilla] Rollin JP, et al. **Bull Soc Ophtalmol Fr** 1983 Dec;83(12):1409-10 (Eng. Abstr.) **(Fre)**

[Calcification of optic disk drusen on CT] Zanella FE, et al. **ROFO** 1984 Dec;141(6):647-8 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Fundus lesions in malignant hypertension. II. A pathologic study of experimental hypertensive optic neuropathy. Kishi S, et al. **Arch Ophthalmol** 1985 Aug;103(8):1198-206

[Electron microscopic study of human optic disc edema and retinal edema] Kimura T, et al. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):335-48 (Eng. Abstr.) **(Jpn)**

OPTIC LOBE

DRUG EFFECTS

Differential effects of antifolate on the development of brain parts in chick embryos. Zamenhof S. **Growth** 1985 Spring;49(1):28-33

GROWTH & DEVELOPMENT

Specificity of gene action during central nervous system development in Drosophila melanogaster: analysis of the lethal (1) optic ganglion reduced locus. Lipshitz HD, et al. **Dev Biol** 1985 Mar;108(1):56-77

PHYSIOLOGY

Electrophysiological studies on the nucleus isthmi of the lizards Gekko gekko and Shinisaurus crocodilurus. Wang SR, et al. **Sci Sin [B]** 1985 Jan;28(1):36-41

OPTIC NERVE

Compressive optic neuropathy induced by intranasal balloon catheter. Sadowsky AE, et al. **Am J Ophthalmol** 1985 Apr 15;99(4):487-9

Bilateral amaurosis following unilateral retrobulbar block [letter] Follette JW, et al. **Anesthesiology** 1985 Aug;63(2):237-8

Occlusion therapy for optic nerve glioma [letter] Ehrlich WW, et al. **Arch Ophthalmol** 1985 Apr;103(4):475-6

Chronic optic nerve compression. An experimental study. Clifford-Jones RE, et al. **Brain** 1985 Mar;108 (Pt 1):241-62

Malignant transformation of an optic nerve melanocytoma. Apple DJ, et al. **Can J Ophthalmol** 1984 Dec;19(7):320-5

Ophthalmic manifestations of pituitary apoplexy. Fong LP, et al. **Med J Aust** 1985 Jan 21;142(2):142-3

[Current concept of optochiasmatic arachnoiditis] Verin P, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul;84(6-7):809-11 **(Fre)**

ABNORMALITIES

Hormonal, metabolic, and neuroradiologic abnormalities associated with septo-optic dysplasia. Arslanian SA, et al. **Acta Endocrinol (Copenh)** 1984 Oct;107(2):282-8

Coloboma of the optic nerve head in Bengal tiger kittens (Panthera tigris tigris). Dietz HH, et al. **Acta Vet Scand** 1985;26(1):136-9

Hypothalamic-pituitary function in children with optic nerve hypoplasia. Costin G, et al. **Am J Dis Child** 1985 Mar;139(3):249-54

Congenital optic nerve hypoplasia with hypothalamic-pituitary dysplasia. A review of 16 cases. Margalith D, et al. **Am J Dis Child** 1985 Apr;139(4):361-6

Hypopituitarism and septooptic 'dysplasia' in first cousins. Blethen SL, et al. **Am J Med Genet** 1985 May;21(1):123-9

Bilateral optic nerve aplasia associated with hydranencephaly. Storm RL, et al. **Ann Ophthalmol** 1984 Oct;16(10):988-92

Vitrectomy and photocoagulation in the management of serous detachment associated with optic nerve pits. Alexander TA, et al. **Aust J Ophthalmol** 1984 May;12(2):139-42

The endocrine spectrum of septo-optic dysplasia. Izenberg N, et al. **Clin Pediatr (Phila)** 1984 Nov;23(11):632-6

Aplasia of the optic nerves. Barry DR. **Int Ophthalmol** 1985 Mar;7(3-4):235-42

Septo-optic dysplasia with digital anomalies. Pagon RA, et al. **J Pediatr** 1984 Dec;105(6):966-8

Retinal detachment in the morning glory anomaly. Haik BG, et al. **Ophthalmology** 1984 Dec;91(12):1638-47

Aicardi syndrome in one dizygotic twin. Constad WH, et al. **Pediatrics** 1985 Sep;76(3):450-3

Treatment of combined traction-rhegmatogenous retinal detachment in the morning glory syndrome. Harris MJ, et al. **Retina** 1984 Fall-Winter;4(4):249-52

The disc that really isn't (hypoplastic disc syndrome) [clinical conference] Keltner JL, et al. **Surv Ophthalmol** 1985 Mar-Apr;29(5):349-54

[Cystic optic nerve abnormalities] Schulz E, et al. **Fortschr Ophthalmol** 1984;81(4):380-2 (Eng. Abstr.) **(Ger)**

[Computed tomographic diagnosis of a congenital optic nerve coloboma] Irnberger T. **ROFO** 1985 Jul;143(1):112-3 **(Ger)**

[Congenital coloboma of the optic nerve inlet as a variant of defective development] Zakharchenko VM. **Oftalmol Zh** 1985;(1):60-1 **(Rus)**

ANALYSIS

Survey of intermediate filament proteins in optic nerve and spinal cord: evidence for differential expression. Quitschke W, et al. **J Neurochem** 1985 May;44(5):1465-76

ANATOMY & HISTOLOGY

Comparison of brain structure volumes in insectivora and primates. IV. Non-cortical visual structures. Stephan H, et al. **J Hirnforsch** 1984;25(4):385-403

Activity and the formation of ocular dominance patches in dually innervated tectum of goldfish. Boss VC, et al. **J Neurosci** 1984 Dec;4(12):2891-905

[The structure of the intracanal portion of the optic nerve--its morphology and function] Matsuzaki H, et al. **Nippon Ganka Gakkai Zasshi** 1985 Jan;89(1):132-61 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Bilateral sequential migrainous ischemic optic neuropathy. Katz B. **Am J Ophthalmol** 1985 Apr 15;99(4):489

Anterior ischemic optic neuropathy. Manor RS, et al. **Am J Ophthalmol** 1985 May 15;99(5):608-9

Ischemic optic neuropathy associated with retinal embolism. Tomsak RL. **Am J Ophthalmol** 1985 May 15;99(5):590-2

A mimic of the 'exact diagnostic sign' of Foster Kennedy. Lepore FE, et al. **Ann Ophthalmol** 1985 Jul;17(7):411-2

Optic nerve head blood flow in chronic experimental glaucoma. Quigley HA, et al. **Arch Ophthalmol** 1985 Jul;103(7):956-62

The effect of retrobulbar epinephrine injection on ocular and optic nerve blood flow. Jay WM, et al. **Curr Eye Res** 1985 Jan;4(1):55-8

Alterations in ocular and optic nerve blood flow during intraocular surgery in aspirin pretreated rabbits. Jay WM, et al. **Curr Eye Res** 1985 May;4(5):563-8

Effect of topical epinephrine and timolol on ocular and optic nerve blood flow in phakic and aphakic rabbit eyes. Jay WM, et al. **Curr Eye Res** 1984 Oct;3(10):1199-202

Nontoxic nerve guide tubes support neovascular growth in transected rat optic nerve. Madison R, et al. **Exp Neurol** 1984 Dec;86(3):448-61

Scanning electron microscopy of vascular casts of the human scleral lamina cribrosa. Fryczkowski AW, et al. **Int Ophthalmol** 1984 Jun;7(2):95-100

Ischemic optic neuropathy following secondary intraocular lens implantation. Spedick MJ, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):255-7

Idiopathic ischemic syndromes of the retina and optic nerve and their carotid origin. Berguer R. **J Vasc Surg** 1985 Sep;2(5):649-53

Acute ischemic optic neuropathy [editorial] Goodwin JA. **JAMA** 1985 Aug 16;254(7):951-2

Angioarchitecture of intraorbital part of human optic nerve. Awai T. **Jpn J Ophthalmol** 1985;29(1):79-98

Migrainous ischemic optic neuropathy. Katz B, et al. **Neurology** 1985 Jan;35(1):112-4

Local fibrinolytic activity of human optic nerve vessels. Yoshitomi F, et al. **Ophthalmic Res** 1984;16(5):239-45

Ischaemic optic neuropathy and retinopathy associated with acute pancreatitis. Smith WG, et al. **Scott Med J** 1985 Jan;30(1):46-7

[Bilateral acute ischemic neuropathy in periarteritis nodosa] Denis G, et al. **Bull Soc Ophtalmol Fr** 1984 Aug-Sep;84(8-9):909-11 (Eng. Abstr.) **(Fre)**

[Simultaneous bilateral acute ischemic optic neuropathy] Krakovski D, et al. **Harefuah** 1984 Dec 2;107(11):328-30 (Eng. Abstr.) **(Heb)**

[Acute ischemic optic neuropathy. I. Etiopathogenesis] Czajkowski J, et al. **Klin Oczna** 1984 Nov;86(11):475-6 (Eng. Abstr.) **(Pol)**

[Acute ischemic optic neuropathy. II. Clinical aspects] Czajkowski J, et al. **Klin Oczna** 1984 Nov;86(11):477-9 (Eng. Abstr.) **(Pol)**

[Combined therapy of acute obstruction of the vessels of the retina and optic nerves] Eremenko AI, et al. **Oftalmol Zh** 1984;(7):392-5 (Eng. Abstr.) **(Rus)**

[Circulatory disorders of the venous system of the retina and optic nerve] Miroshnikova LM, et al. **Oftalmol Zh** 1984;(7):389-92 (Eng. Abstr.) **(Rus)**

[Means of rendering timely emergency medical aid in acute vascular diseases of the retina and optic nerve] Oil'ganchuk VV. **Oftalmol Zh** 1984;(7):436-9 **(Rus)**

CYTOLOGY

Opsin-immunoreactive outer segments of photoreceptors in the eye and in the lumen of the optic nerve of the hagfish, Myxine glutinosa. Vigh-Teichmann I, et al. **Cell Tissue Res** 1984;238(3):515-22

Two glial cell lineages diverge prenatally in rat optic nerve. Raff MC, et al. **Dev Biol** 1984 Nov;106(1):53-60

The in vitro differentiation of a bipotential glial progenitor cell. Raff MC, et al. **EMBO J** 1984 Aug;3(8):1857-64

Neuronal death during development in the isthmo-optic nucleus of the chick: sustaining role of afferents from the tectum. Clarke PG. **J Comp Neurol** 1985 Apr 15;234(3):365-79

Retinal ganglion cells in two teleost species, Sebastiscus marmoratus and Navodon modestus. Ito H, et al. **J Comp Neurol** 1984 Oct 10;229(1):80-96

Selective block of Y optic nerve fibres in the cat and the occurrence of inhibition in the lateral geniculate nucleus. Burke W, et al. **J Physiol (Lond)** 1985 Jul;364:81-92

The presence or absence of melanocytes in the human optic nerve and its meningeal sheaths. Kojima K, et al. **Kurume Med J** 1984;31(2):167-70

Coupling and uncoupling of amphibian neuroglia. Tang CM, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):237-42

Giant axonal neuropathy: acceleration of neurofilament transport in optic axons. Monaco S, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):920-4

DRUG EFFECTS

Comparative neurotoxicity of tubulin-binding drugs: inhibition of goldfish optic nerve regeneration. Davis RE, et al. **Toxicol Appl Pharmacol** 1985 Sep 15;80(2):308-15

[Comparison of the effect of timolol and metipranolol on axoplasmic transport in the optic nerve] Brožek B, et al. **Cesk Oftalmol** 1984 Sep;40(5):276-81 (Eng. Abstr.) **(Cze)**

[Impairment of retinal protein synthesis and axonal transport along the optic pathway of albino rabbits by intraocular administration of methylmercury] Chihara E, et al. **Nippon Ganka Gakkai Zasshi** 1984 Sep;88(9):1224–8 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Guidance of optic axons in vivo by a preformed adhesive pathway on neuroepithelial endfeet. Silver J, et al. **Dev Biol** 1984 Dec;106(2):485–99

Binocular interaction in the fetal cat regulates the size of the ganglion cell population. Chalupa LM, et al. **Neuroscience** 1984 Aug;12(4):1039–46

Dispersion of growing axons within the optic nerve of the embryonic monkey. Williams RW, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3906–10

[Cell recognition in development of neuron circuit] Fujisawa H. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1871–9 **(Jpn)**

ENZYMOLOGY

Enzyme histochemical changes in retinal ganglion cells and the optic nerve after goldfish optic nerve lesion. A regenerative and hypertrophic phenomena study. Marani E, et al. **Acta Morphol Neerl Scand** 1984 Jul;22(2):97–114

Histochemical localization of gamma glutamyl transpeptidase in the paranodal region of peripheral nerve. Mrsulja BJ, et al. **J Histochem Cytochem** 1984 Dec;32(12):1303–8

GROWTH & DEVELOPMENT

Changes in the numbers of optic nerve fibers during late prenatal and postnatal development in the albino rat. Crespo D, et al. **Brain Res** 1985 Mar;351(1):129–34

Evidence for self-absorption of terminals by developing axons of retinal ganglion cells in the chick. Ehrlich D, et al. **Brain Res** 1985 Jan;349(1–2):285–9

Early adrenalectomy increases myelin content of the rat brain. Meyer JS, et al. **Brain Res** 1985 Jan;349(1–2):1–9

Myelination of the rat optic nerve during postnatal undernourishment and recovery: a morphometric analysis. Wiggins RC, et al. **Brain Res** 1984 Aug 13;308(2):263–72

A quantitative immunohistochemical study of macroglial cell development in the rat optic nerve: in vivo evidence for two distinct astrocyte lineages. Miller RH, et al. **Dev Biol** 1985 Sep;111(1):35–41

Effects of neonatal and late unilateral enucleation on optokinetic responses and optic nerve projections in the rabbit. Collewijn H, et al. **Exp Brain Res** 1984;57(1):138–50

Quantitative and morphological studies on developing optic axons in normal and enucleated albino rats. Sefton AJ, et al. **Exp Brain Res** 1984;57(1):107–17

The distribution of fibres in the optic tract after contralateral translocation of an eye in Xenopus. Taylor JS, et al. **J Embryol Exp Morphol** 1985 Feb;85:225–38

Development of the ipsilateral retinothalamic projection in the frog Xenopus laevis. II. Ingrowth of optic nerve fibers and production of ipsilaterally projecting retinal ganglion cells. Hoskins SG, et al. **J Neurosci** 1985 Apr;5(4):920–9

Substances originating from the optic nerve of neonatal rabbit induce regeneration-associated response in the injured optic nerve of adult rabbit. Hadani M, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7965–9

IMMUNOLOGY

Selectivity of antibody-mediated destruction of axons in the cat's optic nerve. Williams RW, et al. **Brain Res** 1985 Jun 10;336(1):57–66

Is Thy-1 expressed only by ganglion cells and their axons in the retina and optic nerve? Perry VH, et al. **J Neurocytol** 1984 Oct;13(5):809–24

INJURIES

CT demonstration of optic canal fractures. Guyon JJ, et al. **AJR** 1984 Nov;143(5):1031–4

Computed tomographic evaluation of the optic canal in sudden traumatic blindness. Seiff SR, et al. **Am J Ophthalmol** 1984 Dec 15;98(6):751–5

A qualitative comparison of the reactions of retinal ganglion cell axons to optic nerve crush in neonatal and adult mice. Allcutt D, et al. **Brain Res** 1984 Nov;318(2):231–40

A quantitative comparison of the reactions of retinal ganglion cells to optic nerve crush in neonatal and adult mice. Allcutt D, et al. **Brain Res** 1984 Nov;318(2):219–30

Effect of cytosine arabinofuranoside (AraC) on reactive gliosis in vivo. An immunohistochemical and morphometric study. Politis MJ, et al. **Brain Res** 1985 Mar 4;328(2):291–300

Nucleolar changes in goldfish retinal ganglion cells in response to an optic nerve lesion are not perturbed by a second lesion. McGuinness CM, et al. **Exp Neurol** 1985 Aug;89(2):461–4

Peripheral nerve grafts to the frog optic tectum: a morphological study of foreign axon regeneration in the central nervous system. Kaplan EI, et al. **J Comp Neurol** 1985 May 15;235(3):395–415

Optic axons ignore foreign denervated sites in goldfish tectum even after removal of some of their normal termination sites. Marotte LR. **J Comp Neurol** 1984 Dec 10;230(3):426–36

The morphology of growth cones of regenerating optic nerve axons. Scalia F, et al. **J Comp Neurol** 1985 Jan 15;231(3):323–38

Effects of neonatal transection on glial cell development in the rat optic nerve: evidence that the oligodendrocyte-type 2 astrocyte cell lineage depends on axons for its survival. David S, et al. **J Neurocytol** 1984 Dec;13(6):961–74

[Trans-ethmoidal-sphenoidal decompression and optic nerve injury] Laroche L, et al. **Bull Soc Ophtalmol Fr** 1984 Apr;84(4):431–2, 435–7 (Eng. Abstr.) **(Fre)**

[Decompression of the optic nerve] Siegl H. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):118–20 (Eng. Abstr.) **(Ger)**

METABOLISM

Fatty acid composition of single brain structures following different alpha linolenate dietary supplementations. Tarozzi G, et al. **Acta Vitaminol Enzymol** 1984;6(3):157–63

Myelin basic protein in the optic nerve of the developing albino rat: an immunoperoxidase study of paraffin embedded tissue. Dixon RG, et al. **Neurochem Res** 1984 Oct;9(10):1387–97

Mesencephalic pathway to the retina exhibits enkephalin-like immunoreactivity. Weiler R. **Neurosci Lett** 1985 Mar 22;55(1):11–6

Sodium channels in the axolemma of normal and degenerating rabbit optic nerve. Pellegrino RG, et al. **Proc R Soc Lond [Biol]** 1984 Aug 22;222(1227):155–60

MICROBIOLOGY

Recovery of viral agents from the central nervous system of cats. Wilcox GE, et al. **Vet Microbiol** 1984 Aug;9(4):355–66

PATHOLOGY

Neuroretinal rim area in early glaucoma. Airaksinen PJ, et al. **Am J Ophthalmol** 1985 Jan 15;99(1):1–4

Cupping of the optic disc with compressive lesions of the anterior visual pathway. Kupersmith MJ, et al. **Ann Ophthalmol** 1984 Oct;16(10):948–53

Neuroretinal rim area and retinal nerve fiber layer in glaucoma. Airaksinen PJ, et al. **Arch Ophthalmol** 1985 Feb;103(2):203–4

Drusen [letter] Gartner S. **Arch Ophthalmol** 1985 Sep;103(9):1283

Drusen of the optic nerve associated with retinitis pigmentosa. Puck A, et al. **Arch Ophthalmol** 1985 Feb;103(2):231–4

Laser-induced primate glaucoma. II. Histopathology. Radius RL, et al. **Arch Ophthalmol** 1984 Nov;102(11):1693–8

Optic nerve involvement in the acute retinal necrosis syndrome. Sergott RC, et al. **Arch Ophthalmol** 1985 Aug;103(8):1160–2

Galactocerebroside antiserum causes demyelination of cat optic nerve. Carroll WM, et al. **Brain Res** 1985 Mar 25;330(2):378–81

Ophthalmic pathobiology. Neetens A. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):19–34

Experimental demyelinating optic neuropathy: a model for combined morphological and electrophysiological studies. Carroll WM, et al. **Clin Exp Neurol** 1983;19:17–28

Experimental demyelinating optic neuropathy induced by intra-neural injection of galactocerebroside antiserum. Carroll WM, et al. **J Neurol Sci** 1984 Aug;65(2):125–35

Junction scotoma and involvement of the optochiasmal junction. Saito T, et al. **Jpn J Ophthalmol** 1985;29(1):71–8

Optic nerve demyelination induced by human serum: patients with multiple sclerosis or optic neuritis and normal subjects. Sergott RC, et al. **Neurology** 1985 Oct;35(10):1438–42

Experimental bilateral carotid artery occlusion: a study of the optic nerve in the rat. Takamatsu J, et al. **Neuropathol Appl Neurobiol** 1984 Nov–Dec;10(6):423–8

The early structural and functional disturbances of chronic open-angle glaucoma. Robert N. Shaffer lecture. Drance SM. **Ophthalmology** 1985 Jul;92(7):853–7

Nerve fiber loss and disparity of disc and field changes in glaucoma. Shaffer RN. **Trans New Orleans Acad Ophthalmol** 1985;:129–33

PHYSIOLOGY

Re-investigation of the role of the accessory optic system and pretectum in the horizontal optokinetic head nystagmus of the frog. Lesion experiments. Lázár G, et al. **Acta Biol Hung** 1983;34(4):385–93

Improved optic nerve conduction with ingestion of ice water [letter] Scherokman BJ, et al. **Ann Neurol** 1985 Apr;17(4):418–9

The effect of optic nerve transection upon the hypotensive action of ascorbate and mannitol. Lam KW, et al. **Ann Ophthalmol** 1980 Sep;12(9):1102–4

Postsynaptic potentials in neurons of the pigeon's optic tectum in response to afferent stimulation from the retina and other visual structures: an intracellular study. Hardy O, et al. **Brain Res** 1984 Oct 8;311(1):65–74

Stages of axonal regeneration following optic nerve crush in goldfish: contrasting effects of conditioning nerve lesions and intraocular acetoxycycloheximide injections. McQuarrie IG. **Brain Res** 1985 May 6;333(2):247–53

Target dependent and independent stages in regeneration. Mizrachi Y, et al. **Brain Res** 1984 Nov 19;322(1):115–8

Tropic factors in reactive mammalian central nervous system tissue. Politis MJ. **Brain Res** 1985 Mar 4;328(2):277–81

The postnatal development of the rat primary visual cortex during optic nerve impulse blockade by intraocular tetrodotoxin: a quantitative electron microscopic analysis. Riccio RV, et al. **Brain Res** 1985 May;352(1):55–68

Retinal input to the nucleus of the optic tract of the cat assessed by antidromic activation of ganglion cells. Hoffmann KP, et al. **Exp Brain Res** 1985;59(2):395–403

Pattern ERG in the monkey after section of the optic nerve. Maffei L, et al. **Exp Brain Res** 1985;59(2):423–5

A conditioning lesion does not induce axonal regeneration in the optic nerve of the rat. Kiernan JA. **Exp Neurol** 1985 Jan;87(1):181–4

Morphology and laminar distribution of electrophysiologically identified cells in the pigeon's optic tectum: an intracellular study. Hardy O, et al. **J Comp Neurol** 1985 Mar 15;233(3):390–404

Astroglial-axonal interrelationship during regeneration of the optic nerve in goldfish. A freeze-fracture study. Wolburg H, et al. **J Hirnforsch** 1984;25(5):493–504

Changes in protein content of goldfish optic nerve during degeneration and regeneration following nerve crush. Perry GW, et al. **J Neurochem** 1985 Apr;44(4):1142–51

Viability of retinal ganglion cells after optic nerve crush in adult rats. Misantone LJ, et al. **J Neurocytol** 1984 Jun;13(3):449–65

Spatial filter characteristics of optic nerve fibers in California ground squirrel (Spermophilus beecheyi). McCourt ME, et al. **J Neurophysiol** 1984 Dec;52(6):1181–99

Directional filter characteristics of optic nerve fibers in California ground squirrel (Spermophilus beecheyi). McCourt ME, et al. **J Neurophysiol** 1984 Dec;52(6):1200–12

Activity-dependent shrinkage of extracellular space in rat optic nerve: a developmental study. Ransom BR, et al. **J Neurosci** 1985 Feb;5(2):532–5

Dissociated neurons regenerate into sciatic but not optic nerve explants in culture irrespective of neurotrophic factors. Schwab ME, et al. **J Neurosci** 1985 Sep;5(9):2415–23

Specific changes in axonally transported proteins during regeneration of the frog (Xenopus laevis) optic nerve. Szaro BG, et al. **J Neurosci** 1985 Jan;5(1):192–208

Ganglioside changes in the regenerating goldfish optic system: comparison with glycoproteins and phospholipids. Sbaschnig-Agler M, et al. **J Neurosci Res** 1984;12(2–3):221–32

Antibodies to gangliosides inhibit goldfish optic nerve regeneration in vivo. Sparrow JR, et al. **J Neurosci Res** 1984;12(2–3):233–43

Chloride conductance and extracellular potassium concentration interact to modify the excitability of rat optic nerve fibres. Connors BW, et al. **J Physiol (Lond)** 1984 Oct;355:619–33

The phagocytic activity of the pigment epithelium in development and after optic nerve sectioning in the rat. Yew DT, et al. **Neurosci Lett** 1985 Mar 15;54(2–3):257–61

Stroboscopic illumination and dark rearing block the sharpening of the regenerated retinotectal map in goldfish. Schmidt JT, et al. **Neuroscience** 1985 Feb;14(2):535–46

Regenerating fish optic nerves and a regeneration-like response in injured optic nerves of adult rabbits. Schwartz M, et al. **Science** 1985 May 3;228(4699):600–3

[Animal models in neuro-ophthalmology] Vital-Durand F. **Bull Mem Soc Fr Ophtalmol** 1985;96:109–13 **(Fre)**

[Basic research for light sensitive prosthesis. Electrically evoked potential in optic nerve of the albino rat] Hatayama R, et al. **Nippon Ganka Gakkai Zasshi** 1984 Oct;88(10):1273–7 (Eng. Abstr.) **(Jpn)**

[Compensation of anisocoria in cats following transection of the optic tract: the role of subcortical commissures] Fedan VA, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):269–71 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Rat optic nerve: disruption of gliogenesis with 5-azacytidine during early postnatal development. Ransom BR, et al. **Brain Res** 1985 Jun 24;337(1):41–9

Acute responses of rat retina after optic nerve ligation: a biochemical and histochemical study. Tsang D, et al. **Brain Res** 1985 Jun 17;336(2):289–95

Long term survival of cat retinal ganglion cells after intracranial optic nerve transection. Holländer H, et al. **Exp Brain Res** 1985;59(3):633–5

Monitoring demyelination in multiple sclerosis with multi-flash campimetry. Mustillo P, et al. **Int Ophthalmol** 1984 Jun;7(2):75–86

Retinal and optic nerve findings in Goldenhar-Gorlin syndrome. Margolis S, et al. **Ophthalmology** 1984 Nov;91(11):1327–33

[Axonal electrovisiogram in optic nerve pathology] Sole P, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1169–78 **(Fre)**

[Evoked potential dynamics of patients during therapeutic electrostimulation of damaged optic nerves] Lyskov EB. **Fiziol Cheloveka** 1984 Sep–Oct;10(5):747–52 **(Rus)**

[Clinico-physiological bases of a new method of restoring vision by direct electrostimulation of damaged human optic nerves] Shandurina AN, et al. **Fiziol Cheloveka** 1984 Sep–Oct;10(5):719–46 **(Rus)**

[Function of the carotid siphon and of the vessels of the anterior and posterior eye segments in arteriosclerosis and open-angle glaucoma patients] Krivitskii AK, et al.

Oftalmol Zh 1984;(8):477–80 (Eng. Abstr.) (Rus)

SURGERY

Decompression of the perioptic meninges for relief of papilloedema in benign intracranial hypertension. Subburam P, et al. **Indian J Ophthalmol** 1984 Jan–Feb; 32(1):9–12

Transethmoid decompression of the optic nerve. Osguthorpe JD. **Otolaryngol Clin North Am** 1985 Feb;18(1):125–37 (24 ref.)

TRANSPLANTATION

A new transorbital surgical approach to the rabbit's optic nerve. Solomon A, et al. **J Neurosci Methods** 1985 Jan; 12(3):259–62

ULTRASTRUCTURE

Scanning electron microscopic study of pial septa of the optic nerve in humans. Kurosawa H, et al. **Am J Ophthalmol** 1985 Apr 15;99(4):490

Ultrastructure of the radial components of the mouse optic nerve and its changes during Wallerian degeneration. Honjin R, et al. **Arch Histol Jpn** 1985 Feb;48(1):45–52

Extranodal particle accumulations in the axolemma of myelinated frog optic axons. Tao–Cheng JH, et al. **Brain Res** 1984 Aug 13;308(2):289–300

Freeze–fracture ultrastructure of the perinodal astrocyte and associated glial junctions. Waxman SG, et al. **Brain Res** 1984 Aug 6;308(1):77–87

An analysis of the distribution of the myelinated nerve fibers in the optic fascicle of a beagle dog. Krinke A, et al. **Experientia** 1985 Apr 15;41(4):464–5

New X–ray spacings from central myelinated tissue. Inouye H, et al. **J Neurocytol** 1984 Dec;13(6):883–94

Specialization of astrocytic membrane at glia limitans in rat optic nerve: freeze–fracture observations. Black JA, et al. **Neurosci Lett** 1985 Apr 19;55(3):371–8

The effects of binocular and monocular occlusion on the number of optic nerve axons containing degenerative organelles. Ehrlich D, et al. **Neurosci Lett** 1985 Mar 15; 54(2–3):351–6

[Morphological study of orthograde axonal transport using HRP in experimental optic nerve injury] Wakakura M, et al. **Nippon Ganka Gakkai Zasshi** 1985 May;89(5):660–9 (Eng. Abstr.) (Jpn)

OPTIC NERVE DISEASES

Galactocerebroside antiserum causes demyelination of cat optic nerve. Carroll WM, et al. **Brain Res** 1985 Mar 25; 330(2):378–81

Experimental demyelinating optic neuropathy induced by intra–neural injection of galactocerebroside antiserum. Carroll WM, et al. **J Neurol Sci** 1984 Aug;65(2):125–35

CHEMICALLY INDUCED

Transient optic neuropathy secondary to MOPP chemotherapy in Hodgkin's disease: report of a case. Vecchi V, et al. **Tumori** 1984 Dec 31;70(6):571–3

[A case of non–Hodgkin's lymphoma presenting optic neuropathy induced by vincristine] Hashimoto K, et al. **Nippon Naika Gakkai Zasshi** 1984 Aug;73(8):1217–21 (Jpn)

[Drug–induced lesions of the optic nerve] Mozherenkov VP. **Oftalmol Zh** 1985;(2):118–21 (37 ref.) (Rus)

COMPLICATIONS

The risk of cerebrovascular and cardiovascular disease in patients with anterior ischemic optic neuropathy. Guyer DR, et al. **Arch Ophthalmol** 1985 Aug;103(8):1136–42

Optic disc drusen and central vein occlusion. ten Doesschate MJ, et al. **Doc Ophthalmol** 1985 Jan 31;59(1):27–31

Pre–excitation syndrome and Leber's hereditary optic neuroretinopathy [letter] Nikoskelainen E, et al. **Lancet** 1985 Mar 23;1(8430):696

[The optico–ciliary vein] Song GX. **Chung Hua Yen Ko Tsa Chih** 1985 May;21(3):129–32 (Chi)

[Unilateral visual field defect due to optic nerve compression by non–sclerotic internal carotid and ophthalmic arteries. A case report] Yamatani K, et al. **No Shinkei Geka** 1984 Jul;12(8):961–6 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Flash evoked cortical and subcortical potentials in neuro–ophthalmology. Harding GF. **Acta Neurol Belg** 1985 May–Jul;85(3):150–65

Idiopathic inflammatory perioptic neuritis simulating optic nerve sheath meningioma. Dutton JJ, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):424–30

Visual field defects. Kinshuck D, et al. **Br J Hosp Med** 1985 Jul;34(1):21–4

Psychophysical tests in demyelinating disease. Regan D. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):41–51

Pattern ERGs and visual evoked potentials in maculopathies and optic nerve diseases. Celesia GG, et al. **Invest Ophthalmol Vis Sci** 1985 May;26(5):726–35

Optic disk abnormalities. Savino PJ. **Neurol Clin** 1983 Nov; 1(4):883–95 (18 ref.)

A clinical comparison of visual field testing with a new automated perimeter, the Humphrey Field Analyzer, and the Goldmann perimeter. Beck RW, et al. **Ophthalmology** 1985 Jan;92(1):77–82

Von Recklinghausen neurofibromatosis. Incidence of optic gliomas [letter] Slamovits TL. **Ophthalmology** 1985 Jul; 92(7):984

Computer–assisted perimetry in visual pathway disease: neuro–ophthalmic applications. Younge BR. **Trans Am Ophthalmol Soc** 1984;82:899–942

[Diabetic optic neuropathy in pregnancy] Malbrel C. **Bull Soc Ophtalmol Fr** 1984 Apr;84(4):463–4 (Eng. Abstr.) (Fre)

[Cavernous hemangioma of the intracanalar optic nerve] Mouillon M, et al. **Bull Soc Ophtalmol Fr** 1984 Jun–Jul; 84(6–7):875–9 (Fre)

[Bilateral meningiomas of the optic nerves associated with partial unilateral Duane's syndrome] Rohr J, et al. **Rev Neurol (Paris)** 1984;140(11):637–41 (Eng. Abstr.) (Fre)

[Ophthalmologic and computer tomographic findings in Recklinghausen disease] Hammerstein W, et al. **Fortschr Ophthalmol** 1984;81(4):356–9 (Eng. Abstr.) (Ger)

[Acquired disorders of contrast sensitivity and color vision in mild optic neuropathies] Wildberger H. **Klin Monatsbl Augenheilkd** 1985 Mar;186(3):194–9 (Eng. Abstr.) (Ger)

[Use of visual evoked potentials in neurology—a review. I] Cammann R. **Zentralbl Neurochir** 1985;46(1):52–6 (Eng. Abstr.) (Ger)

[Use of visual evoked potentials in neurology—a review. II] Cammann R. **Zentralbl Neurochir** 1985;46(1):57–61 (Eng. Abstr.) (Ger)

[Simultaneous bilateral acute ischemic optic neuropathy] Krakovski D, et al. **Harefuah** 1984 Dec 2;107(11):328–30 (Eng. Abstr.) (Heb)

[Circulatory disorders of the venous system of the retina and optic nerve] Miroshnikova LM, et al. **Oftalmol Zh** 1984; (7):389–92 (Eng. Abstr.) (Rus)

DRUG THERAPY

Ischemic optic neuropathy. Still the ophthalmologist's dilemma. Shults WT. **Ophthalmology** 1984 Nov; 91(11):1338–41

[Zinc and optic neuropathies: new prospects] Bechetoille A, et al. **Bull Soc Ophtalmol Fr** 1984 Jan;84(1):99–102 (Eng. Abstr.) (Fre)

ENZYMOLOGY

2',3'–Cyclic nucleotide 3'–phosphohydrolase in acrylamide–induced optic neuropathy in rabbit. Ohki K, et al. **Jpn J Ophthalmol** 1985;29(1):110–4

ETIOLOGY

Bilateral sequential migrainous ischemic optic neuropathy. Katz B. **Am J Ophthalmol** 1985 Apr 15;99(4):489

Ischemic optic neuropathy associated with retinal embolism. Tomsak RL. **Am J Ophthalmol** 1985 May 15;99(5):590–2

Clinical classification of Graves' ophthalmopathy. Identification of risk factors for optic neuropathy. Feldon SE, et al. **Arch Ophthalmol** 1984 Oct;102(10):1469–72

Optic nerve involvement in Graves' ophthalmopathy: a case report and review. Dunne JW, et al. **Aust NZ J Med** 1985 Apr;15(2):258–61

Neuro–ophthalmology of sphenoid sinus carcinoma. Harbison JW, et al. **Brain** 1984 Sep;107 (Pt 3):855–70

Reversible optic neuropathy due to carotid–cavernous fistula. Hedges TR 3d, et al. **J Clin Neuro Ophthalmol** 1985 Mar; 5(1):37–40

Optic neuropathy from the use of intracranial muslin. Repka MX, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):147–50

Visual recovery following prolonged amaurosis due to compressive optic neuropathy. Striph GG, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):189–95

Muslin optic neuropathy [letter] Tomsak RL. **J Clin Neuro Ophthalmol** 1985 Mar;5(1):71

Post–decompression optic neuropathy. Beck RW, et al. **J Neurosurg** 1985 Aug;63(2):196–9

von Recklinghausen neurofibromatosis. II. Incidence of optic gliomata. Lewis RA, et al. **Ophthalmology** 1984 Aug; 91(8):929–35

Ischemic optic neuropathy. Still the ophthalmologist's dilemma. Shults WT. **Ophthalmology** 1984 Nov; 91(11):1338–41

Optic disc swelling and Mycoplasma pneumoniae [letter] Novelli VM, et al. **Pediatr Infect Dis** 1984 Nov–Dec; 3(6):597

Lid retraction or no lid retraction in optic neuropathy with proptosis [clinical conference] Miller NR, et al. **Surv Ophthalmol** 1985 May–Jun;29(6):443–9

The pathogenesis of optic nerve damage in glaucoma. Quigley HA. **Trans New Orleans Acad Ophthalmol** 1985; :111–28

[Bilateral acute ischemic neuropathy in periarteritis nodosa] Denis G, et al. **Bull Soc Ophtalmol Fr** 1984 Aug–Sep; 84(8–9):909–11 (Eng. Abstr.) (Fre)

[Rhinogenic neuropathia of the optic nerve due to muco- and pyoceles of the sphenoid sinus and posterior ethmoid cells] Fujitani T, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Jul;63(7):361–3 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Leber's hereditary optic neuroretinopathy, a mitochondrial disease? [letter] Nikoskelainen E, et al. **Lancet** 1984 Dec 22;2(8417–18):1474

[Familial binasal visual field contraction] Gruber H, et al. **Klin Monatsbl Augenheilkd** 1984 Sep;185(3):198–9 (Eng. Abstr.) (Ger)

PATHOLOGY

Structural factors in the pathogenesis of ischemic optic neuropathy [letter] Beck RW, et al. **Am J Ophthalmol** 1984 Nov;98(5):649–50

Intraocular extension of optic nerve meningioma in a case of neurofibromatosis. Cibis GW, et al. **Arch Ophthalmol** 1985 Mar;103(3):404–6

Evolution of optociliary veins in optic nerve sheath meningioma. Evolution. Imes RK, et al. **Arch Ophthalmol** 1985 Jan;103(1):59–60

Fundus lesions in malignant hypertension. II. A pathologic study of experimental hypertensive optic neuropathy. Kishi S, et al. **Arch Ophthalmol** 1985 Aug;103(8):1198–206

Intrapapillary refractile bodies in optic nerve sheath meningioma. Sibony PA, et al. **Arch Ophthalmol** 1985 Mar; 103(3):383–5

Pattern and extent of demyelination in the optic nerves of mice infected with Semliki Forest virus and the possibility of axonal sprouting. Tansey EM, et al. **Brain** 1985 Mar;108 (Pt 1):29–41

Funduscopic and functional correlates of demyelinating optic neuropathy. Frisén L. **Bull Soc Belge Ophtalmol** 1983; 208(Pt 2):55–40

Optic pathway tumors. A review with proposals for clinical staging. McCullough DC, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1789–91

Optic nerve head congenital pits. Report of a case. Tong Y, et al. **Chin Med J [Engl]** 1985 Feb;98(2):127–8

Experimental demyelinating optic neuropathy: a model for combined morphological and electrophysiological studies. Carroll WM, et al. **Clin Exp Neurol** 1983;19:17–28

Primary meningioma of the optic nerve sheaths: case report. Probst C, et al. **Ophthalmologica** 1985;190(2):83–90

Optic disc structure in anterior ischemic optic neuropathy. Beck RW, et al. **Ophthalmology** 1984 Nov;91(11):1334–7

Tumors of the optic nerve head. Brown GC, et al. **Surv Ophthalmol** 1985 Jan–Feb;29(4):239–64 (155 ref.)

[Papillary recurrence of glioma of the optic nerve] Malan P, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):671–4 (Eng. Abstr.) (Fre)

[Morphological study of orthograde axonal transport using HRP in experimental optic nerve injury] Wakakura M, et al. **Nippon Ganka Gakkai Zasshi** 1985 May;89(5):660–9 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

Decreased visual acuity from optic disc drusen. Beck RW, et al. **Arch Ophthalmol** 1985 Aug;103(8):1155–9

Cup–disc ratio and ischemic optic neuropathy. Doro S, et al. **Arch Ophthalmol** 1985 Aug;103(8):1143–4

Stereoacuity in patients with optic nerve disease. Friedman JR, et al. **Arch Ophthalmol** 1985 Jan;103(1):37–8

Brightness–sense and optic nerve disease. Sadun AA, et al. **Arch Ophthalmol** 1985 Jan;103(1):39–43

Inter–individual variation in blood supply of the optic nerve head. Its importance in various ischemic disorders of the optic nerve head, and glaucoma, low–tension glaucoma and allied disorders. Hayreh SS. **Doc Ophthalmol** 1985 Apr 30; 59(3):217–46

Neuropathies of the optic nerve and visual evoked potentials with special reference to color vision and differential light threshold measured with the computer perimeter OCTOPUS. Wildberger H. **Doc Ophthalmol** 1984 Oct 31; 58(2):147–227

Simultaneous recording of pattern electroretinogram and visual evoked responses in neuro–ophthalmologic disorders. Kaufman D, et al. **Neurology** 1985 May; 35(5):644–51

Color contrast perimetry. The spatial distribution of color defects in optic nerve and retinal diseases. Hart WM Jr, et al. **Ophthalmology** 1985 Jun;92(6):768–76

Drusen of the optic nerve head. An important model. Savage GL, et al. **Ophthalmology** 1985 Jun;92(6):793–9

Optic nerve sheath meningiomas. Clinical manifestations. Sibony PA, et al. **Ophthalmology** 1984 Nov;91(11):1313–26

[Axonal electrovisiogram in optic nerve pathology] Sole P, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1169–78 (Fre)

RADIOGRAPHY

CT evaluation of perineural orbital lesions: evaluation of the 'tram–track' sign. Johns TT, et al. **AJNR** 1984 Sep–Oct; 5(5):587–90

Optic nerve head drusen [letter] Beck RW. **Arch Ophthalmol** 1984 Oct;102(10):1424

Lymphomatous optic neuropathy. Kline LB, et al. **Arch Ophthalmol** 1984 Nov;102(11):1655–7

Computed tomographic diagnosis of buried drusen of the optic nerve head. Mullie MA, et al. **Can J Ophthalmol** 1985 Apr;20(3):114–7

Optic nerve meningioma with enophthalmos. Imes RK, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):213–5

Von Recklinghausen neurofibromatosis: II. Incidence of optic gliomata [letter] Slamovits TL. **Ophthalmology** 1985 May; 92(5):714-5

[High-resolution computed tomography in primary and secondary lesions of the optic nerve sheath complex] Irnberger T. **ROFO** 1985 Aug;143(2):151-7 (Eng. Abstr.) **(Ger)**

[Calcification of optic disk drusen on CT] Zanella FE, et al. **ROFO** 1984 Dec;141(6):647-8 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Occlusion of the internal carotid artery after radiation therapy for the chiasmal lesion. Hirata Y, et al. **Acta Neurochir (Wien)** 1985;74(3-4):141-7

Optic gliomas: radiation therapy and prognosis. Horwich A, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1067-79

SURGERY

Extradural and intradural microsurgical approaches to lesions of the optic canal and the superior orbital fissure. Hassler W, et al. **Acta Neurochir (Wien)** 1985;74(3-4):87-93

Papilloedema caused by spinal tumour in a case of optic nerve glioma—a clinical report. Rath S, et al. **Indian J Ophthalmol** 1984 May-Jun;32(3):175-6

Visual function following optic canal decompression via craniotomy. Guyer DR, et al. **J Neurosurg** 1985 May; 62(5):631-8

Malignant teratoma of the optic nerve: case report. Samii M, et al. **Neurosurgery** 1985 May;16(5):696-700

Current trends in orbital decompression. McCord CD Jr. **Ophthalmology** 1985 Jan;92(1):21-33

[Decompression of the optic nerve] Siegl H. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):118-20 (Eng. Abstr.) **(Ger)**

THERAPY

Clinical and physiological basis for a new method underlying rehabilitation of the damaged visual nerve function by direct electric stimulation. Bechtereva NP, et al. **Int J Psychophysiol** 1985 Apr;2(4):257-72

[Combined therapy of acute obstruction of the vessels of the retina and optic nerves] Eremenko AI, et al. **Oftalmol Zh** 1984;(7):392-5 (Eng. Abstr.) **(Rus)**

[Means of rendering timely emergency medical aid in acute vascular diseases of the retina and optic nerve] Oil'ganchuk VV. **Oftalmol Zh** 1984;(7):436-9 **(Rus)**

OPTIC NEURITIS

CHEMICALLY INDUCED

Effects of metal-containing drugs taken simultaneously with clioquinol upon clinical features of SMON. Okada H, et al. **J Toxicol Sci** 1984 Nov;9(4):327-41

The aetiology of SMON may involve an interaction between clioquinol and environmental metals. Tjälve H. **Med Hypotheses** 1984 Nov;15(3):293-9

Optic neuritis in a patient on ethambutol and isoniazid evaluated by visual evoked potentials: case report. Garrett CR. **Milit Med** 1985 Jan;150(1):43-6

[SMON syndrome. First case after abuse of a methylated hydroxyquinoline derivative] Saragoussi JJ, et al. **Bull Soc Ophtalmol Fr** 1984 Jan;84(1):25-8 (Eng. Abstr.) **(Fre)**

[Optic neuritis from lithium?] Gousset DM, et al. **Rev Otoneuroophtalmol** 1984 May-Jun;56(3):273-6 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Optic neuritis and multiple sclerosis. Ebers GC. **Arch Neurol** 1985 Jul;42(7):702-4

Optic neuritis and multiple sclerosis. Hachinski V. **Arch Neurol** 1985 Jul;42(7):710

Polyarteritis nodosa presenting as posterior ischaemic optic neuropathy. Hutchinson CH. **J R Soc Med** 1984 Dec; 77(12):1043-6

Optic neuritis in systemic lupus erythematosus [letter] Smith CA, et al. **J Rheumatol** 1985 Feb;12(1):190

DIAGNOSIS

The blink reflex and somatosensory evoked potential in optic neuritis in south India. Chand RP, et al. **Acta Neurol Scand** 1985 Feb;71(2):150-5

Idiopathic inflammatory perioptic neuritis simulating optic nerve sheath meningioma. Dutton JJ, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):424-30

Optic neuritis [clinical conference] Javerbaum J, et al. **Ann Emerg Med** 1984 Nov;13(11):1061-4

A mimic of the 'exact diagnostic sign' of Foster Kennedy. Lepore FE, et al. **Ann Ophthalmol** 1985 Jul;17(7):411-2

Differentiation between recently resolved optic neuritis and central serous retinopathy. Use of tests of visual function. Han DP, et al. **Arch Ophthalmol** 1985 Mar;103(3):394-6

Macular electroretinograms: their accuracy, specificity and implementation for clinical use. Vaegan, et al. **Aust J Ophthalmol** 1984 Nov;12(4):359-72

Bilateral optic neuritis. A long-term follow-up. Parkin PJ, et al. **Brain** 1984 Sep;107 (Pt 3):951-64

Uhthoff's phenomenon in the low-frequency flash-evoked cortical potential. Berdjis H, et al. **Dev Ophthalmol** 1984; 9:188-94

Detection of Uhthoff's symptom in disseminated sclerosis by the Farnsworth-Munsell 100-hue test and the octopus perimetry. Zrenner E. **Dev Ophthalmol** 1984;9:182-7

Two cases of the diagnosis of optic neuritis leading to the diagnosis of multiple sclerosis. DeRosa L. **J Am Optom Assoc** 1985 Feb;56(2):120-2

Rhabdomyosarcoma causing rapid bilateral visual loss in children. Breen LA, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):185-8

Optic neuritis or ophthalmic artery aneurysm? Case presentation with histopathologic documentation utilizing a new staining method. Sadun AA, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):265-73

Acute acquired toxoplasmosis causing neuroptico-meningoencephalitis in an immunocompetent boy [letter] Confavreux C, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):715-6

Multiple sclerosis presenting with progressive visual failure. Ormerod IE, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):943-6

[Contribution of visual evoked potentials (VEP) to neurology] Courjon J. **Rev Electroencephalogr Neurophysiol Clin** 1984 Nov; 14(2):103-8 (Eng. Abstr.) **(Fre)**

[Diagnosis and therapy of optic neuritis] Harrer S, et al. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):25-30 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of optic neuritis. Schmidt D. **Bull Soc Belge Ophtalmol** 1983;208(Pt 2):93-6

ETIOLOGY

Electrophysiological confirmation of orientation-specific contrast losses in multiple sclerosis. Kupersmith MJ, et al. **Ann NY Acad Sci** 1984;436:487-91

Optic neuritis secondary to sinus disease. Sanborn GE, et al. **Arch Otolaryngol** 1984 Dec;110(12):816-9

Q fever as a possible cause of bilateral optic neuritis. Schuil J, et al. **Br J Ophthalmol** 1985 Aug;69(8):580-3

Relationship of optic neuritis to disease of the paranasal sinuses. Rothstein J, et al. **Laryngoscope** 1984 Nov;94(11 Pt 1):1501-8

[Retrobulbar neuritis in multiple sclerosis (report of 4 cases)] Luo CG. **Chung Hua Yen Ko Tsa Chih** 1985 May; 21(3):146-9 **(Chi)**

[Subclinical alcoholic optic neuritis without vitamin deficiency] Dally S, et al. **J Fr Ophtalmol** 1985;8(4):345-8 (Eng. Abstr.) **(Fre)**

[Fibrous dysplasia of the osseous orbita with 'neuritis retrobulbaris'] Gornig H, et al. **Ophthalmologica** 1985; 190(2):91-7 **(Ger)**

[Retrobulbar optic neuritis as an initial symptom of multiple sclerosis. Results of a prospective study] Mapelli G, et al. **Riv Neurol** 1985 Jan-Feb;55(1):53-77 (Eng. Abstr.) **(Ita)**

[Optic neuritis as the first sign of multiple myeloma] Jedrzejewski D, et al. **Klin Oczna** 1984 Jul;86(7):297-9 (Eng. Abstr.) **(Pol)**

[Significance of optic neuritis at the onset of multiple sclerosis] Pavlović D, et al. **Srp Arh Celok Lek** 1984 Jul-Aug;112(7-8):821-4 (Eng. Abstr.) **(Scc)**

HISTORY

[The history of quinolines] Wolffers I. **Ned Tijdschr Geneeskd** 1985 Jun 29;129(26):1246-9 **(Dut)**

IMMUNOLOGY

Anti-myelin basic protein antibody in experimental allergic optic neuritis and encephalomyelitis. Robin JB, et al. **Ophthalmic Res** 1985;17(3):174-80

OCCURRENCE

Optic neuritis or multiple sclerosis. Kurtzke JF. **Arch Neurol** 1985 Jul;42(7):704-10

PATHOLOGY

Optic nerve demyelination induced by human serum: patients with multiple sclerosis or optic neuritis and normal subjects. Sergott RC, et al. **Neurology** 1985 Oct;35(10):1438-42

PHYSIOPATHOLOGY

Cup-disc ratio and ischemic optic neuropathy. Doro S, et al. **Arch Ophthalmol** 1985 Aug;103(8):1143-4

Contrast sensitivity measurements in acute and resolved optic neuritis. Beck RW, et al. **Br J Ophthalmol** 1984 Oct; 68(10):756-9

Optic neuritis during lactation. Erkkilä H, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;222(3):134-8

Arousal response induced by postural changes in patients with subacute myelo-optico-neuropathy, 'SMON'. Nakamura R, et al. **Tohoku J Exp Med** 1984 Nov; 144(3):219-25

[The temporal transfer properties of the visual system in patients with optic neuritis] Lachenmayr B, et al. **Fortschr Ophthalmol** 1985;82(2):189-93 (Eng. Abstr.) **(Ger)**

[Pattern ERG and VECP following optic neuritis in childhood] Berdjis H, et al. **Klin Monatsbl Augenheilkd** 1984 Jun;184(6):533-5 (Eng. Abstr.) **(Ger)**

OPTIC PAPILLA see **OPTIC DISK**

OPTIC TECTUM see **SUPERIOR COLLICULUS**

OPTICAL ILLUSIONS see under **ILLUSIONS**

OPTICAL ROTATORY DISPERSION

Contribution of differential scattering of circularly polarized light to the optical rotatory dispersion of a sample. Bustamante C. **J Opt Soc Am** [A] 1984 Nov;1(11):1114-9

OPTICS

see related
LENSES
VISION

A general relation between changing surface radii of flexing soft contact lenses. Weissman BA. **Am J Optom Physiol Opt** 1984 Oct;61(10):651-3

Thermal lens measurements in the cornea. Venkatesh S, et al. **Br J Ophthalmol** 1985 Feb;69(2):92-5

Optical measurement of the change in trunk volume with breathing. Peacock A, et al. **Bull Eur Physiopathol Respir** 1985 Mar-Apr;21(2):125-9

Multicentre comparative clinical evaluation of daily care solutions for rigid gas-permeable contact lenses [letter] Alexander RL. **Can J Ophthalmol** 1984 Dec;19(7):329-31

A comparison of different focus functions for use in autofocus algorithms. Groen FC, et al. **Cytometry** 1985 Mar; 6(2):81-91

Microscope objectives and cytopathology screening--another viewpoint [letter] Gill GW, et al. **Hum Pathol** 1984 Nov;15(11):1100-1

'Contact glass for use with high power lasers—geometrical and optical aspects', by P. Roussel and F. Fankhauser (1). Lotmar W. **Int Ophthalmol** 1984 Jun;7(2):101-7

Structural periodicities observed in mammalian rod outer segments with Nomarski optics. Andrews LD. **Invest Ophthalmol Vis Sci** 1985 May;26(5):778-82

Choyce's postulate. Broggi RJ. **J Am Intraocul Implant Soc** 1985 May;11(3):272-8

Degenerate four-wave mixing in the presence of nonuniform pump wave fronts. Crosignani B, et al. **J Opt Soc Am** [A] 1984 Oct;1(10):1034-9

Analysis of the bidirectional optical three-stage prism grating system for red blood cell velocity measurements in microvessels. Jeurens TJ, et al. **Med Biol Eng Comput** 1984 Nov;22(6):521-8

A prismatic scanning method for treating low vision patients with macular disorders [letter] Long WF, et al. **Ophthalmology** 1984 Nov;91(11):45A

Ophthalmic prisms. Deviant behavior at near. Thompson JT, et al. **Ophthalmology** 1985 May;92(5):684-90

Transfer function analysis of a quasioptical ultrasonic imaging system. Oppelt R, et al. **Ultrasonic Imaging** 1984 Jul; 6(3):324-41

[Power in the periphery of several aspheric eyeglasses for aphakic patients] Simonet P. **J Fr Ophtalmol** 1984; 7(12):789-800 (Eng. Abstr.) **(Fre)**

[Quanta of goal-oriented worker activity in the process of manufacturing electron-optical systems] Mamedov AM, et al. **Vestn Akad Med Nauk SSSR** 1985;(2):60-3 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Solid-state optical scanning system for remote measurements in biomechanical systems. Meiss RA. **Am J Physiol** 1984 Nov;247(5 Pt 1):C488-94

Optical techniques for monitoring cutaneous microcirculation. Recent applications. Guy RH, et al. **Int J Dermatol** 1985 Mar;24(2):88-94 (40 ref.)

Microdensitometry using a slide projector. Maleki N, et al. **Med Phys** 1985 Jul-Aug;12(4):480-1

OPTOMETRY

The care and feeding of legislators or how about a prescription for some sleeping pills, doc? Fritz M. **Alaska Med** 1984 Jul-Sep;26(3):79-81

Cumulative index 1968-1983. American Journal of Optometry and Archives of the American Academy of Optometry (1968-1973) and American Journal of Optometry and Physiological Optics (1974-1983). **Am J Optom Physiol Opt** 1985 Jun;62(6 Suppl):1-99

Signs and symptoms of stroke and impending stroke in a series of optometric patients. Cockburn DM. **Am J Optom Physiol Opt** 1983 Sep;60(9):749-53

Ophthalmic services in New Zealand. Garner LF, et al. **Am J Optom Physiol Opt** 1984 Aug;61(8):543-7

The role of regional meetings. Kirschen M. **Am J Optom Physiol Opt** 1984 Sep;61(9):564-5

Optometry and optometric practices in Nigeria. Kragha IK. **Am J Optom Physiol Opt** 1985 Jul;62(7):487-91

Computer simulation of an optometric practice. Nussenblatt H. **Am J Optom Physiol Opt** 1983 Sep;60(9):754-8

Office design--professional office of Michel D. Listenberger, O.D. **J Am Optom Assoc** 1984 Aug;55(8):605-7

Mirror, mirror on the wall ... reflections of yourself and your practice. Baldwin B, et al. **J Am Optom Assoc** 1984 Dec;

55(12):918–21

Is your office computerized? Bartlett JD. **J Am Optom Assoc** 1985 Jul;56(7):530–1

Ophthalmic clinical abbreviations. Berman M, et al. **J Am Optom Assoc** 1984 Aug;55(8):601–4

Survey results: optometric terminology. Eger MJ. **J Am Optom Assoc** 1985 Feb;56(2):94–6

Multifocal lens decentration and size as a function of reading distance. Gerstman DR. **J Am Optom Assoc** 1984 Aug;55(8):575–9

Pharmacology in optometry [letter] Gordon A, et al. **J Am Optom Assoc** 1985 Aug;56(8):600

The office with the open concept. Hammond M, et al. **J Am Optom Assoc** 1984 Oct;55(10):779–81

International eye/vision care: the United States responsibility. Kime TQ, et al. **J Am Optom Assoc** 1984 Sep;55(9):647–51

Eye care in China [letter] Kumar N. **J Am Optom Assoc** 1984 Sep;55(9):645–6

The interface of education, psychological and visual services in pediatric optometry. Laudon RC, et al. **J Am Optom Assoc** 1984 Aug;55(8):591–4

Office design uses Arizona sun. McMullen WV. **J Am Optom Assoc** 1985 Jul;56(7):568–9

Optometric prescription writing. Potter JW, et al. **J Am Optom Assoc** 1985 May;56(5):383–5

A combination for success: the optometric partnership. Rheam DA, et al. **J Am Optom Assoc** 1984 Sep;55(9):685–9

VOSH revisited. Rose SB. **J Am Optom Assoc** 1984 Sep;55(9):671–5

Pharmacology in optometry. Santry JG. **J Am Optom Assoc** 1985 Feb;56(2):126–8

Hiring staff can be as serious as getting married. Weisenstein B. **J Am Optom Assoc** 1985 Aug;56(8):651–3

Using consultants shows you the forest. Weisenstein BJ. **J Am Optom Assoc** 1985 Jun;56(6):501–2

Computer systems should do more than blink at you. Weisenstein BJ. **J Am Optom Assoc** 1985 Jul;56(7):570–3

Abstracts of papers presented at the meeting of the Society for Experimental Optometry. Aston, England, 23–24 July 1984. **Ophthalmic Physiol Opt** 1985;5(2):233–6

[Recommendation of the Public Health Council concerning contact lens specialists and the law on occupations within the personal health care field] Oosterhuis JA. **Ned Tijdschr Geneeskd** 1985 Jun 22;129(25):1172–3 (Eng. Abstr.) **(Dut)**

EDUCATION

Attendance requirement for continuing fellowship in the Academy. Exford JM. **Am J Optom Physiol Opt** 1984 Sep;61(9):558–60

Continuing education requirements. Kastner N. **Am J Optom Physiol Opt** 1984 Sep;61(9):556–7

Myopia among optometry students. Septon RD. **Am J Optom Physiol Opt** 1984 Dec;61(12):745–51

The establishment of a school of optometry in Puerto Rico. Afanador AJ. **J Am Optom Assoc** 1984 Sep;55(9):681–3

Optometry worldwide: an educator's perspective. Baldwin WR. **J Am Optom Assoc** 1984 Sep;55(9):677–80

Computers in optometric education. Nussenblatt H. **J Am Optom Assoc** 1985 Jan;56(1):41–4

A current analysis of optometric residency programs. Poorman DH. **J Am Optom Assoc** 1985 Jun;56(6):494–7

5-year followup of the effect on optometrists of continuing education about hypertension. Kleinstein RN, et al. **Public Health Rep** 1985 Jul–Aug;100(4):364–8

INSTRUMENTATION

Optokinetic nystagmus tape. Johnson L, et al. **Am J Ophthalmol** 1984 Nov;98(5):640

Three-way comparison of retinoscopy, subjective, and Dioptron Nova refractive findings. Grosvenor T, et al. **Am J Optom Physiol Opt** 1985 Jan;62(1):63–5

Differentiation of asymptomatic patients from symptomatic patients by the slope of the forced vergence fixation disparity curve. Teitelbaum BA, et al. **Am J Optom Physiol Opt** 1985 Apr;62(4):282–6

Computerization: unlimited horizons. Baldwin B, et al. **J Am Optom Assoc** 1985 Jan;56(1):24–8

Introduction to computer communications. Davidson DW. **J Am Optom Assoc** 1985 Jan;56(1):35–40

Anatomy of a microcomputer. Dilatush T. **J Am Optom Assoc** 1985 Jan;56(1):19–23

Computerizing management in an optometric practice. Freeman DN. **J Am Optom Assoc** 1985 Jan;56(1):29–33

Use of an automatic refraction device in a Third World country. Garner LF, et al. **J Am Optom Assoc** 1985 Jul;56(7):538–41

Microcomputer mediated visual developmental and perceptual therapy. Maino DM. **J Am Optom Assoc** 1985 Jan;56(1):45–8

Computer low vision aids. Maino JH. **J Am Optom Assoc** 1985 Jan;56(1):49–53

The IVEX refraction system: a clinical comparison. Roggenkamp JR, et al. **J Am Optom Assoc** 1985 Jul;56(7):532–6

The Arden gratings in optometric practice. Yap M, et al. **Ophthalmic Physiol Opt** 1985;5(2):179–83

A Maxwellian-view optometer suitable for electrophysiological and psychophysical research. Fitzke FW, et al. **Vision Res** 1985;25(6):871–4

[Clinical application of the 6600 autorefractor] Lu DP. **Chung Hua Yen Ko Tsa Chih** 1985 Mar;21(2):122–4 **(Chi)**

[Comparative study between subjective and objective refraction using the Autorefractor 6600 on 200 eyes in children] Menerath JM, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1189–93 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of the Dioptron II Ultima B] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1179–84 (Eng. Abstr.) **(Fre)**

MANPOWER

Survey results. Manpower in eyecare. Eger MJ. **J Am Optom Assoc** 1985 May;56(5):360–2

Demographic and professional characteristics of Texas optometrists. Hopping RL. **J Am Optom Assoc** 1984 Sep;55(9):691–7

The challenges of international optometry. Pickwell D. **J Am Optom Assoc** 1984 Sep;55(9):659–64

METHODS

Effect of stimulus parameters on fusional and stereoscopic performance. Boman DK, et al. **Am J Optom Physiol Opt** 1985 Mar;62(3):222–7

Comparison of refraction obtained by 'near retinoscopy' and retinoscopy under cycloplegia. Borghi RA, et al. **Am J Optom Physiol Opt** 1985 Mar;62(3):169–72

Simulating refractive errors: source and observer methods. Chan C, et al. **Am J Optom Physiol Opt** 1985 Mar;62(3):207–16

Single-subject research designs for optometry. Collins FL Jr, et al. **Am J Optom Physiol Opt** 1985 Aug;62(8):516–22

Upsets in your appointment schedule shouldn't upset patients. Weisenstein B. **J Am Optom Assoc** 1985 Jan;56(1):54–6

The choice of laser speckle exposure duration in the measurement of tonic accommodation. Hogan RE, et al. **Ophthalmic Physiol Opt** 1984;4(4):365–8

The impossibility of squaring the sphero-cylinder [letter] Saunders H. **Ophthalmic Physiol Opt** 1985;5(1):95

[A new system of selecting and fabricating correcting contact lenses and its effectiveness] Kivaev AA, et al. **Oftalmol Zh** 1984;(8):484–6 (Eng. Abstr.) **(Rus)**

STANDARDS

Competency requirements and a two-tiered membership. Wild BW. **Am J Optom Physiol Opt** 1984 Sep;61(9):561–3

Optometric quality assurance. Kirkpatrick DL, et al. **J Am Optom Assoc** 1985 May;56(5):390–4

Optometrists' registration in India. Kumar N. **J Am Optom Assoc** 1984 Sep;55(9):676

Assuring the continued competence of licensed optometrists: a modest proposal. Shimberg B. **J Am Optom Assoc** 1984 Oct;55(10):786–8

The legal diversification of optometry. Yarmovsky R. **J Am Optom Assoc** 1984 Sep;55(9):665–9

TRENDS

Alaska medicine essay. Medicine—in trouble. Fritz MH. **Alaska Med** 1985 Jan–Mar;27(1):10–1

Overcoming professional isolationism [editorial] Grala PE, et al. **J Am Optom Assoc** 1985 Feb;56(2):87–8

Optometry in Britain. Nelson PS. **J Am Optom Assoc** 1985 May;56(5):406–7

Special report: the American Medical Association/Health Policy Agenda for the American people. Peters HB. **J Am Optom Assoc** 1985 May;56(5):364–8

ORAL CHARACTER see under **PSYCHOANALYTIC THEORY**

ORAL HEALTH

see related
DENTAL CLINICS
DENTAL HEALTH SURVEYS
DIAGNOSIS, ORAL
MOUTH DISEASES
MOUTH REHABILITATION

Dental health, dental care, and dietary habits in children in different parts of Sweden. Stecksén-Blicks C, et al. **Acta Odontol Scand** 1985 Mar;43(1):59–67

The oral health of older Americans [editorial] Burt BA. **Am J Public Health** 1985 Oct;75(10):1133–4

Dental health of a sample of Glasgow adolescents. Blinkhorn AS, et al. **Br Dent J** 1985 Jun 22;158(12):436–9

Dental caries and periodontal health following a professionally administered plaque control programme in adolescents. King JM, et al. **Br Dent J** 1985 Jan 19;158(2):52–4

Oral health status and needs of the elderly in Quebec. Simard PL, et al. **Can Dent Assoc J** 1985 Jan;51(1):43–6

Cystic fibrosis and oral health. Tynan JJ, et al. **Can Dent Assoc J** 1984 Nov;50(11):833–5 (29 ref.)

Dental health status and attitudes to dental care in families participating in a Danish fluoride tablet program. Friis-Hasché E, et al. **Community Dent Oral Epidemiol** 1984 Oct;12(5):303–7

Effects of dental health education for mothers with young children in London. Holt RD, et al. **Community Dent Oral Epidemiol** 1985 Jun;13(3):148–51

Oral health status of the Lengua Indians of Paraguay. Kieser JA, et al. **Community Dent Oral Epidemiol** 1984 Dec;12(6):406–7

Dental status and dental needs of an elderly population in Israel. Mann J, et al. **Community Dent Oral Epidemiol** 1985 Jun;13(3):156–8

Differentiating dental satisfaction in Finns by means of discriminant analyses. Murtomaa H, et al. **Community Dent Oral Epidemiol** 1985 Feb;13(1):7–10

Multivariate, non linear analysis of the preference for preservation of the teeth. Schuurs AH, et al. **Community Dent Oral Epidemiol** 1984 Dec;12(6):371–5

Comparison of oral health status of young persons from Dunedin, New Zealand, and Heidelberg, Australia. Wright FA. **Community Dent Oral Epidemiol** 1984 Oct;12(5):292–6

The implications of changing patterns in oral health for dental education. Allen DL. **Int Dent J** 1985 Mar;35(1):83–7

The fading links between tradition and oral health in Singapore. Cheong YH. **Int Dent J** 1984 Dec;34(4):253–6

Oral health status and traditions in the Philippines. Gamboa VT. **Int Dent J** 1984 Dec;34(4):257–60

The implications of changing patterns in oral health for the general practice of dentistry. Ibikunle SA. **Int Dent J** 1985 Mar;35(1):73–7

Effects of comprehensive preventive programmes on oral health in children and juveniles in congested industrial areas. Künzel W. **Int Dent J** 1984 Sep;34(3):161–5

Dental health in Malaysia. Majid ZA. **Int Dent J** 1984 Dec;34(4):261–5

Oral health status and tradition in New Zealand. Ross CB. **Int Dent J** 1984 Dec;34(4):266–70

Oral health status and tradition in Australia. Wall CH. **Int Dent J** 1984 Dec;34(4):271–7

Epidemiological study of oral health among the elderly of Baka, a Jerusalem neighborhood. Fleishman R, et al. **Isr J Med Sci** 1985 Mar;21(3):270–5

Radiographic examinations: a window on your health. **J Am Dent Assoc** 1985;Spec No:47–8

Eating for fitness. **J Am Dent Assoc** 1985;Spec No:15–7

Does more generous dental insurance coverage improve oral health? Bailit H, et al. **J Am Dent Assoc** 1985 May;110(5):701–7

A children's oral health status index based on dentists' judgment. Koch AL, et al. **J Am Dent Assoc** 1985 Jan;110(1):36–42

Correlation between some salivary tests, oral hygiene and caries in children. Wöltgens JH, et al. **J Biol Buccale** 1984 Sep;12(3):247–52

Effects of the degree of overbite and overjet on dental health. Silness J, et al. **J Clin Periodontol** 1985 May;12(5):389–98

Symposium on oral health status in the United States. Las Vegas, Nevada, March 16, 1985. **J Dent Educ** 1985 Jun;49(6):339–444

Oral health status in the United States: will improved health lead to decreased demand for dental services? Davies AR, et al. **J Dent Educ** 1985 Jun;49(6):427–33

Oral health status in the United States: implications for dental education. Morris AL, et al. **J Dent Educ** 1985 Jun;49(6):434–44

Relationship of the human salivary peroxidase system to oral health. Tenovuo J, et al. **J Oral Pathol** 1984 Dec;13(6):573–84

How to promote and maintain good oral health in spite of wearing dentures. Wendt DC. **J Prosthet Dent** 1985 Jun;53(6):805–7

The elderly are not now and will never be a homogeneous group. Waldman HB. **NY J Dent** 1985 Feb;55(2):69–74

Enhancing oral health status. Tedesco LA. **NY State Dent J** 1984 Nov;50(9):568, 571

Children's recall of television advertisements related to oral health. Julian FJ. **NZ Dent J** 1984 Jul;80(361):84–6

Dental health practices among Finnish university students. Murtomaa H, et al. **Proc Finn Dent Soc** 1984;80(4):155–61

Oral health in Finland and the Soviet Union. A joint study. Nyyssönen V, et al. **Scand J Soc Med** 1984;12(4):195–9

Dental health and dental care in severely mentally retarded children. Forsberg H, et al. **Swed Dent J** 1985;9(1):15–28

Evaluation of oral problems in divers performing electrical welding and cutting under water. Ortendahl TW, et al. **Undersea Biomed Res** 1985 Mar;12(1):69–76

Prevention methods and programmes for oral diseases. Report of a WHO Expert Committee. **WHO Tech Rep Ser** 1984;713:1–46

[The oral status of 509 aged people in Zhangjiakou] Zhang BX. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jan;20(1):57–9 **(Chi)**

[Sociostructural influences on the dental health of 13- to 14-year-old schoolchildren] Hüge I, et al. **Dtsch Zahnarztl Z** 1984 Jun;39(6):456–60 **(Ger)**

[Incidence of yeasts in the oral cavity in reference to signs of inflammation, the wearing of a removable denture and oral hygiene] St. Bosse H, et al. **Zahn Mund Kieferheilkd** 1984;72(7):663–7 (Eng. Abstr.) **(Ger)**

[Relation between oral conditions and diet in the elderly. A clinical study] Dana F, et al. **Minerva Stomatol** 1985 May–Jun;34(3):481–4 (Eng. Abstr.) **(Ita)**

[Odonto-stomatological health in patients with heart valve diseases. A concern also for the cardiologist] Mansur AJ, et al. **Arq Bras Cardiol** 1984 Jul;43(1):47–9 (Eng. Abstr.) **(Por)**

[Oral health and prevention] Furtado I. **Rev Port Estomatol Cir Maxilofac** 1984 Apr–Jun;

25(2):785–814 (Eng. Abstr.) **(Por)**

[The state of the oral cavity and the need for treatment of the inhabitants of Khabarovsk Territory] Evstigneeva IL. **Stomatologiia (Mosk)** 1985 Mar–Apr;64(2):70–1 **(Rus)**

ORAL HYGIENE

see related

DENTAL DEVICES, HOME CARE

The effect of verbal information and demonstration on denture hygiene in elderly people. Ambjørnsen E, et al. **Acta Odontol Scand** 1985 Mar;43(1):19–24

Prevalence of dentistry phobia and its relation to missing teeth, alveolar bone loss and dental care habits in an urban community sample. Hällström T, et al. **Acta Psychiatr Scand** 1984 Nov;70(5):438–46

The cost and effectiveness of school-based preventive dental care. Klein SP, et al. **Am J Public Health** 1985 Apr;75(4):382–91

School-based preventive dental care: a different view. Rebich T Jr. **Am J Public Health** 1985 Apr;75(4):392–4

Effect of motivation on the oral health of French schoolchildren. Kerebel LM, et al. **ASDC J Dent Child** 1985 Jul–Aug;52(4):287–92

Dark-field microscopy and patient education. Cole AM, et al. **Aust Dent J** 1984 Dec;29(6):394–7

A longitudinal radiographic study of caries progression in dental students. Cook SR. **Aust Dent J** 1984 Oct;29(5):315–20

The use of behaviour modification techniques as an aid to improving adolescents' oral hygiene. Downer AC, et al. **Br Dent J** 1985 Jun 22;158(12):455–6

Dental caries, sucrose intake and oral hygiene in 5-year-old South African Indian children. Cleaton-Jones P, et al. **Caries Res** 1984;18(5):472–7

Periodontal disease, tooth loss, and oral hygiene among older Americans. Burt BA, et al. **Community Dent Oral Epidemiol** 1985 Apr;13(2):93–6

Oral hygiene, dental visits and age of denture for prevalence of denture stomatitis. Mikkonen M, et al. **Community Dent Oral Epidemiol** 1984 Dec;12(6):402–5

Periodontal conditions in mentally retarded children. Vigild M. **Community Dent Oral Epidemiol** 1985 Jun;13(3):180–2

Effects of school-based dental health education on knowledge, attitudes and behavior of adolescents in San Francisco. Walsh MM. **Community Dent Oral Epidemiol** 1985 Jun;13(3):143–7

Use of gingival bleeding for reinforcement of oral home care behavior. Walsh MM, et al. **Community Dent Oral Epidemiol** 1985 Jun;13(3):133–5

Self-reported health behavior and dental knowledge of a migrant worker population. Woolfolk MP, et al. **Community Dent Oral Epidemiol** 1985 Jun;13(3):140–2

Parents questions & answers. **J Am Dent Assoc** 1985;Spec No:22–34

Take charge of your dental health. **J Am Dent Assoc** 1985;Spec No:6–9, 11–3

The influence of motivation on a plaque control program for handicapped children. Udin RD, et al. **J Am Dent Assoc** 1984 Oct;109(4):591–3

Periodontal conditions in adolescents with cleft lip, alveolus and palate following treatment in a co-ordinated team approach. Brägger U, et al. **J Clin Periodontol** 1985 Jul;12(6):494–502

Oral hygiene instruction in general dental practice by means of self-teaching manuals. Glavind L, et al. **J Clin Periodontol** 1985 Jan;12(1):27–34

Antimicrobial irrigation of deep pockets to supplement oral hygiene instruction and root debridement. I. Bi-weekly irrigation. MacAlpine R, et al. **J Clin Periodontol** 1985 Aug;12(7):568–77

Periodontal conditions, remaining teeth and oral hygiene habits in a group of Vietnamese refugees in Norway. Selikowitz HS, et al. **J Clin Periodontol** 1985 Jan;12(1):42–50

Relationship between alignment conditions of teeth in anterior segments and dental health. Silness J, et al. **J Clin Periodontol** 1985 Apr;12(4):312–20

Gingival and bacterial plaque response to instrumentation, oral hygiene instruction and nutritional therapy. Jones BW Jr, et al. **J Periodontol** 1985 Sep;56(9):558–61

Dental health education—a question of values. Søgaard AJ, et al. **J Public Health Dent** 1984 Fall;44(4):169–71

Dental health practices among Finnish university students. Murtomaa H, et al. **Proc Finn Dent Soc** 1984;80(4):155–61

The relationship between American women's preventive dental behavior and dental health beliefs. Chen MS, et al. **Soc Sci Med** 1984;19(9):971–8

Dietary pattern and dental caries in 19-year-old adolescents subjected to preventive measures focused on oral hygiene and/or fluorides. Bergendal B, et al. **Swed Dent J** 1985;9(1):1–7

Effects of rehabilitation with conventional removable partial dentures on oral health—a cross-sectional study. Germundsson B, et al. **Swed Dent J** 1984;8(4):171–82

Dietary habits and dental health in 6-year-old Finnish immigrant children in Sweden. Widström E, et al. **Swed Dent J** 1985;9(3):135–9

[Oral hygiene and prosthetics in wearers of removable dentures] Grimonster J, et al. **Rev Belge Med Dent** 1984 Oct-Nov;39(5):165–74 (Eng. Abstr.) **(Fre)**

[Dental hygiene and motivation of 250 subjects in a prenatal clinic] Kohl J. **Rev Belge Med Dent** 1985 Jan–Feb;40(1):22 (Eng. Abstr.) **(Fre)**

[Relations between plaque formation, tooth surface roughness and self-cleaning] Mierau HD. **Dtsch Zahnarztl Z** 1984 Sep;39(9):691–8 (Eng. Abstr.) **(Ger)**

[Effects of 2 prophylaxis programs on the knowledge and behavior of 13- to 15-year-old schoolchildren] Magri F, et al. **Schweiz Monatsschr Zahnmed** 1984 Aug;94(8):695–706 (Eng. Abstr.) **(Ger)**

[Prophylaxis of dental caries using sugar substitutes] Eberle G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Dec;179(6):477–95 (Eng. Abstr.) **(Ger)**

[Oral hygiene of denture wearers] Keszthelyi g, et al. **Fogorv Sz** 1984 Aug;77(8):229–33 (Eng. Abstr.) **(Hun)**

[Oral hygiene in children wearing orthodontic devices] Lindner Z, et al. **Fogorv Sz** 1984 Sep;77(9):283–6 (Eng. Abstr.) **(Hun)**

INSTRUMENTATION

[Plaque reduction with a water jet containing an abrasive agent] Wiedemann W, et al. **Dtsch Zahnarztl Z** 1984 Sep;39(9):687–90 (Eng. Abstr.) **(Ger)**

[Elimination of food residues by chewing on a plastic device] Marthaler TM, et al. **Schweiz Monatsschr Zahnmed** 1984 Dec;94(12):1207–14 (Eng. Abstr.) **(Ger)**

METHODS

Rewards and adolescent health behavior. Lund AK, et al. **Health Psychol** 1984;3(4):351–83

The effect of Keyes' method of oral hygiene on the subgingival microflora compared to the effect of scaling and/or surgery. Greenwell H, et al. **J Clin Periodontol** 1985 Apr;12(4):327–41

Slow release metronidazole and a simplified mechanical oral hygiene regimen in the control of chronic periodontitis. Newman HN, et al. **J Clin Periodontol** 1984 Oct;11(9):576–82

Adolescents' health beliefs and acceptance of a novel preventive dental activity: a further note. Kegeles SS, et al. **Soc Sci Med** 1984;19(9):979–82

[Dental flossing as a plaque-sampling technic in the rat] Stösser L, et al. **Zahn Mund Kieferheilkd** 1985;73(1):10–7 (Eng. Abstr.) **(Ger)**

TRENDS

Trends in the oral hygiene habits of Finnish teenagers. Honkala E. **Proc Finn Dent Soc** 1985;81(1):47–50

ORAL HYGIENE INDEX see under **DENTAL HEALTH SURVEYS**

ORAL MEDICINE see **DENTISTRY**

ORAL STAGE see under **PSYCHOSEXUAL DEVELOPMENT**

ORAL SUBMUCOUS FIBROSIS see under **MOUTH DISEASES**

ORBICULARIS OCULI REFLEX see **BLINKING**

ORBIT

Baseball orbital implants: a review of 39 patients. Tyers AG, et al. **Br J Ophthalmol** 1985 Jun;69(6):438–42

[Long-term presence of a wooden foreign body in the orbital cavity] Ershova TA. **Oftalmol Zh** 1984;(3):187–8 **(Rus)**

ABNORMALITIES

Premature closure of the frontozygomatic suture: unusual frontoorbital dysplasia mimicking unilateral coronal synostosis. Currarino G. **AJNR** 1985 Jul–Aug;6(4):643–6

ANALYSIS

Effects of VIIth (facial) nerve degeneration on vasoactive intestinal polypeptide and substance P levels in ocular and orbital tissues of the rabbit. Butler JM, et al. **Exp Eye Res** 1984 Oct;39(4):523–32

ANATOMY & HISTOLOGY

Improved MR imaging of the orbit at 1.5 T with surface coils. Schenck JF, et al. **AJR** 1985 May;144(5):1033–6

Orbital magnetic resonance imaging. Zimmerman RA, et al. **Am J Ophthalmol** 1985 Aug 15;100(2):312–7

Anatomical basis of the surgical approach to the medial wall of the orbit. Ducasse A, et al. **Anat Clin** 1985;7(1):15–21

The levator-trochlear muscle. A supernumerary orbital structure. Sacks JG. **Arch Ophthalmol** 1985 Apr;103(4):540–1

Orbital volume measurements in enophthalmos using three-dimensional CT imaging. Bite U, et al. **Plast Reconstr Surg** 1985 Apr;75(4):502–8

[Prominence of eyeball and orbital distance in the Li and Miao nationalities on Hainan Island] Chen QL. **Chung Hua Yen Ko Tsa Chih** 1985 May;21(3):172–4 **(Chi)**

[Measurement and observation of the orbit in the Chinese. IV.] Cui M. **Chung Hua Yen Ko Tsa Chih** 1984 Sep;20(5):304–6 **(Chi)**

[Atlas of head anatomy in the neuro-ocular plane] Tamraz J, et al. **J Fr Ophtalmol** 1984;7(5):371–9 (Eng. Abstr.) **(Fre)**

[Relation of the orbital connective tissue system to the extraocular muscles as exemplified by the musculus rectus medialis] Härting F. **Fortschr Ophthalmol** 1985;82(1):98–101 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Orbital phlebography in patients with Tolosa-Hunt's syndrome in comparison with normal subjects. Hannerz J, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(6):457–63

Variability in relationships of arteries and nerves in the human orbit. deSantis M, et al. **Anat Anz** 1984;157(3):227–31

Sickle cell eye disease [letter] Fletcher ME. **Arch Ophthalmol** 1985 Feb;103(2):175

Frontal and orbital bone infarctions causing periorbital swelling in patients with sickle cell anemia. Garty I, et al. **Arch Ophthalmol** 1984 Oct;102(10):1486–8

CT with pressure exerted on neck veins in the diagnosis of primary orbital varices. Wu EH, et al. **Chin Med J [Engl]** 1985 Apr;98(4):287–8

Duplex scanning and periorbital pulsed Doppler in the diagnosis of external carotid artery disease: analysis of causes of error. Zbornikova V, et al. **Clin Physiol** 1985 Jun;5(3):271–9

Extra orbital venous varicosity: case report. Baskara Rajan G, et al. **Indian J Ophthalmol** 1984 May–Jun;32(3):177–8

Orbital varix with unusually large phlebolith. Beltramello A, et al. **J Belge Radiol** 1984;67(5):321–3

[Participation of the external carotid artery in orbital vascularization] Ducasse A, et al. **J Fr Ophtalmol** 1985;8(4):333–9 (Eng. Abstr.) **(Fre)**

[2 trials of measuring the flow of the intraorbital ophthalmic artery using pulsed Doppler] Rein A, et al. **J Fr Ophtalmol** 1985;8(4):341–3 (Eng. Abstr.) **(Fre)**

[Varicosis of the angular vein—a rare differential diagnosis] Rochels R. **Klin Monatsbl Augenheilkd** 1984 Jun;184(6):558–9 (Eng. Abstr.) **(Ger)**

[A clinical picture of the superior ophthalmic vein thrombosis—based upon our 4 cases and review of the literature] Takahashi Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Jul,88(7):1075–83 (Eng. Abstr.) **(Jpn)**

[Congestive papilledema caused by marked narrowing of the superior ophthalmic vein] Ogielska E, et al. **Neurol Neurochir Pol** 1984 Mar–Apr;18(2):175–7 (Eng. Abstr.) **(Pol)**

[Status of the circulatory bed of the vascular membrane of the eyeball and retrobulbar structures during experimental venous stasis] Chemezov SV. **Arkh Anat Gistol Embriol** 1984 Oct;87(10):47–54 (Eng. Abstr.) **(Rus)**

INJURIES

Penetrating orbital trauma. Hoffman JR, et al. **Am J Emerg Med** 1983 Jul;1(1):22–7

Computed tomographic evaluation of the optic canal in sudden traumatic blindness. Seiff SR, et al. **Am J Ophthalmol** 1984 Dec 15;98(6):751–5

The superior orbital fissure syndrome. Zachariades N, et al. **J Maxillofac Surg** 1985 Jun;13(3):125–8

Congenital unilateral orbital fibrosis with suspected prenatal orbital penetration. Effron L, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jul–Aug;22(4):133–6

Traumatic inferior oblique muscle paresis. Muchnick RS, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jul–Aug;22(4):143–6

[An unrecognized intraorbital foreign body] Hullo A, et al. **Bull Soc Ophtalmol Fr** 1983 Nov;83(11):1333–4 **(Fre)**

[An uncommon orbital injury] Segal A, et al. **Bull Soc Ophtalmol Fr** 1983 Dec;83(12):1373–6 (Eng. Abstr.) **(Fre)**

[Reconstructive surgery of the extraocular muscles] Kaufmann H. **Fortschr Ophthalmol** 1984;81(5):401–4 (Eng. Abstr.) **(Ger)**

[Computed tomography of the orbit. I. Trauma-induced changes] Zanella FE, et al. **ROFO** 1985 Jun;142(6):670–4 (Eng. Abstr.) **(Ger)**

INNERVATION

Variability in relationships of arteries and nerves in the human orbit. deSantis M, et al. **Anat Anz** 1984;157(3):227–31

METABOLISM

Intraorbital cerebrospinal fluid outflow and the posterior uveal compartment of the hamster eye. Shen JY, et al. **Cell Tissue Res** 1985;240(1):77–87

PATHOLOGY

0.6 T magnetic resonance imaging of the orbit. Edwards JH, et al. **AJR** 1985 May;144(5):1015–20

Orbital extension of choroidal melanoma within a short posterior ciliary nerve [letter] Ferry AP. **Am J Ophthalmol** 1984 Oct 15;98(4):517–8

Wegener's granulomatosis with destructive ocular manifestations. Koyama T, et al. **Am J Ophthalmol** 1984 Dec 15;98(6):736–40

Quantitative computed tomography of Graves' ophthalmopathy. Extraocular muscle and orbital fat in development of optic neuropathy. Feldon SE, et al. **Arch Ophthalmol** 1985 Feb;103(2):213–5

Rhino–orbital zygomycosis. Ellis CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):455–8

Immunohistochemical and ultrastructural studies on the exenterated orbital tissues of a patient with Graves' disease. Hufnagel TJ, et al. **Ophthalmology** 1984 Nov;91(11):1411–9

RADIOGRAPHY

Orbital implants and prostheses: postoperative computed tomographic appearance. Gale ME, et al. **AJNR** 1985 May–Jun;6(3):403–7

Volume measurements of normal orbital structures by computed tomographic analysis. Forbes G, et al. **AJR** 1985 Jul;145(1):149–54

[CT anatomy of the orbit] Kvičala V, et al. **Cesk Oftalmol** 1984 Jun;40(2–3):115–9 (Eng. Abstr.) **(Cze)**

[Radiation exposure of the lens during CT of the orbital area] Rosenkranz G, et al. **Digitale Bilddiagn** 1985 Jun;5(2):66–9 (Eng. Abstr.) **(Ger)**

[Computerized tomography in endocrine ophthalmopathy with malignant exophthalmos] Uhlenbrock D, et al. **Dtsch Med Wochenschr** 1985 Mar 29;110(13):495–9 (Eng. Abstr.) **(Ger)**

[Computer tomographic diagnosis of endocrine orbitopathy] Voigt B, et al. **Radiologe** 1984 Oct;24(10):468–71 (Eng. Abstr.) **(Ger)**

[Computed tomography of the orbit. II. Iatrogenic changes] Mödder U, et al. **ROFO** 1985 Jun;142(6):675–8 (Eng. Abstr.) **(Ger)**

[Computerized tomography of the orbit in Graves–Basedow disease] Krzystolikowa Z, et al. **Klin Oczna** 1984 Nov;86(11):481–3 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Uncommon orbital bone infarctions in a sickle cell anemia patient. Koren A, et al. **Clin Nucl Med** 1984 Dec;9(12):721–2

SURGERY

Orbital decompression in endocrine exophthalmos of Graves' disease. Lamberg BA, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):335–40

Use of autogenous split–thickness dermal graft for reconstruction of the lining of the exenterated orbit. Maurиello JA Jr, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):465–7

The late treatment of vertical orbital dystopia resulting from an orbital roof fracture. Horowitz JH, et al. **Ann Plast Surg** 1984 Dec;13(6):519–24

Periorbital soft tissue retractor. Carter JL. **Br J Oral Maxillofac Surg** 1985 Apr;23(2):146–8

Temporal approach to the TMJ, the orbit, and the retromaxillary–infracranial region. Obwegeser HL. **Head Neck Surg** 1985 Jan–Feb;7(3):185–99

A new transorbital surgical approach to the rabbit's optic nerve. Solomon A, et al. **J Neurosci Methods** 1985 Jan;12(3):259–62

Bifrontal osteoplastic craniotomy utilizing the anterior wall of the frontal sinus: technical note. Colohan AR, et al. **Neurosurgery** 1985 Jun;16(6):822–4

Temporalis muscle transfer: a vascular bed for autogenous dermis–fat orbital implantation. Bosniak S, et al. **Ophthalmology** 1985 Feb;92(2):292–6

The role of orbital exenteration in choroidal melanoma with extrascleral extension. Kersten RC, et al. **Ophthalmology** 1985 Mar;92(3):436–43

Current trends in orbital decompression. McCord CD Jr. **Ophthalmology** 1985 Jan;92(1):21–33

Glued fixation of split–skin graft to the bony orbit following exenteration. Härting F, et al. **Plast Reconstr Surg** 1985 Oct;76(4):633–5

The extended trapezius musculocutaneous flap for cranio–orbital facial reconstruction. Rosen HM. **Plast Reconstr Surg** 1985 Mar;75(3):318–27

Superolateral orbital exposure and reconstruction. Al–Mefty O, et al. **Surg Neurol** 1985 Jun;23(6):609–13

[Orbitopalpebral neurofibromatosis: orbital enlargement by an intracranial approach and palpebral correction] Marchac D, et al. **J Fr Ophtalmol** 1984;7(6–7):469–78 (Eng. Abstr.) **(Fre)**

[Unusual foreign bodies of the orbits] Sommer G. **Aktuel Traumatol** 1985 Apr;15(2):71–2 (Eng. Abstr.) **(Ger)**

[Ethmoidectomy and orbital decompression in endocrine ophthalmopathy] Richter WC, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Jul;63(7):356–60 (Eng. Abstr.) **(Ger)**

[Computed tomography following orbital surgery] Vogel H. **Radiol Diagn (Berl)** 1985;26(3):359–65 (Eng. Abstr.) **(Ger)**

[Repair of the orbital floor with a parietal bone graft] Melega JM, et al. **Rev Paul Med** 1984 Sep–Oct;102(5):223–5 (Eng. Abstr.) **(Por)**

[Plastic operations on the orbit in posttraumatic enophthalmos with dislocation of the eyeball] Volkov VV, et al. **Oftalmol Zh** 1984;(3):154–7 (Eng. Abstr.) **(Rus)**

ORBITAL DISEASES

Orbital cellulitis. A presentation of two cases with unusual features. Simon MW, et al. **Clin Pediatr (Phila)** 1985 Apr;24(4):226–8

[Mycoses of the orbit and the eye] Renovanz HD. **Wien Med Wochenschr** 1985 Feb 28;135(4):81–4 **(Ger)**

CHEMICALLY INDUCED

Nifedipine–induced periorbital edema. Tordjman K, et al. **Am J Cardiol** 1985 May 1;55(11):1445

[Granulation tumor of the orbit following ointment treatment of the maxillary sinus] Brusis T. **HNO** 1984 Dec;32(12):511–4 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

An evaluation of 820 orbital cases. Kennedy RE. **Trans Am Ophthalmol Soc** 1984;82:134–57

COMPLICATIONS

Histiocytosis X: an ophthalmological review. Moore AT, et al. **Br J Ophthalmol** 1985 Jan;69(1):7–14

Sino–orbital aspergillosis associated with total ophthalmoplegia. Yumoto E, et al. **Laryngoscope** 1985 Feb;95(2):190–2

Giant cell granuloma of the orbit with intracranial extension. Sebag J, et al. **Neurosurgery** 1985 Jan;16(1):75–8

Orbital causes of red eye. Differential diagnosis in essential to initiate appropriate and possibly life–saving therapy. Kaufman CE, et al. **RI Med J** 1985 Jan;68(1):25–30

[Fibrous dysplasia of the osseous orbita with 'neuritis retrobulbaris'] Gornig H, et al. **Ophthalmologica** 1985;190(2):91–7 **(Ger)**

CONGENITAL

Congenital unilateral orbital fibrosis with suspected prenatal orbital penetration. Effron L, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jul–Aug;22(4):133–6

DIAGNOSIS

MR imaging of orbital and ocular disease. Sobel DF, et al. **AJNR** 1985 Mar–Apr;6(2):259–64

0.6 T magnetic resonance imaging of the orbit. Edwards JH, et al. **AJR** 1985 May;144(5):1015–20

Nonfatal maxillocerebral mucormycosis with orbital involvement in a dehydrated infant. Miller RD, et al. **Ann Ophthalmol** 1980 Sep;12(9):1065–8

Bilateral idiopathic inflammatory pseudotumor of the orbits. Verma N, et al. **Ann Ophthalmol** 1984 Nov;16(11):1076–80

Mucormycosis. Report of 11 cases. Rangel–Guerra R, et al. **Arch Neurol** 1985 Jun;42(6):578–81

Ultrasonic B–scan measurement of the extra–ocular muscles in Graves' orbitopathy. Willinsky RA, et al. **J Can Assoc Radiol** 1984 Jun;35(2):171–3

Facial and periorbital cellulitis in children. Barkin RM. **J Emerg Med** 1984;1(3):195–9

Wegener's granulomatosis presenting as orbital pseudotumor in children. Parelhoff ES, et al. **J Pediatr Ophthalmol Strabismus** 1985 May–Jun;22(3):100–4

Neuro–ophthalmic evaluation of the red orbit syndrome. Sergott RC. **Neurol Clin** 1983 Nov;1(4):897–908

Orbital dacryops. Brownstein S, et al. **Ophthalmology** 1984 Nov;91(11):1424–8

Trochleitis with superior oblique myositis. Tychsen L, et al. **Ophthalmology** 1984 Sep;91(9):1075–9

Standardized echography in the differentiation of orbital lesions. Byrne SF. **Surv Ophthalmol** 1984 Nov–Dec;29(3):226–8

The nonspecific orbital inflammatory syndromes. Kennerdell JS, et al. **Surv Ophthalmol** 1984 Sep–Oct;29(2):93–103

Management of orbital inflammatory disease. A protocol. Mauriello JA Jr, et al. **Surv Ophthalmol** 1984 Sep–Oct;29(2):104–16

Present and future role of ultrasonography in routine eye and orbit examination––an introduction. Buschmann W. **Ultrasound Med Biol** 1985 Jan–Feb;11(1):147–8

[Orbital cellulitis––a clinical analysis of 101 cases] Liu YF. **Chung Hua Yen Ko Tsa Chih** 1985 May;21(3):160–2 **(Chi)**

[Acute inflammatory orbital tumefactions in children] Ployet MJ, et al. **Ann Pediatr (Paris)** 1984 Dec;31(11):899–906 (Eng. Abstr.) **(Fre)**

[A new case of eosinophilic granuloma of the orbit] Erhart G, et al. **Bull Soc Ophtalmol Fr** 1983 Dec;83(12):1369–72 (Eng. Abstr.) **(Fre)**

[Echographic aspects of orbital cysts] Poujol J, et al. **Bull Soc Ophtalmol Fr** 1984 Jan;84(1):35–6, 39 **(Fre)**

[Diagnostic approach to hydatid cyst of the orbit] Daghfous MT, et al. **Tunis Med** 1985 Mar;63(3):227–31 (Eng. Abstr.) **(Fre)**

[Differential diagnostic significance of Tenon's space] Guthoff R. **Fortschr Ophthalmol** 1984;81(4):388–90 (Eng. Abstr.) **(Ger)**

[Echographic diagnosis in orbital mucoceles] Rochels R, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Apr;64(4):181–4 (Eng. Abstr.) **(Ger)**

[Haemophilus influenzae infections. 7. Orbital phlegmon (periorbital and orbital cellulitis)] Handrick W, et al. **Padiatr Grenzgeb** 1985;24(4):309–15 (Eng. Abstr.) **(Ger)**

[Eosinophilic granuloma of the orbit in a 2–year–old child] Goryszewska–Maciochowa H. **Klin Oczna** 1984 Aug;86(8):353–4 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Successful treatment of postoperative Candida endophthalmitis in an eye with an intraocular lens implant [letter] Berger BB. **Am J Ophthalmol** 1984 Nov;98(5):648–9

Intraocular ampicillin in the treatment of endophthalmitis. Kleiner RC, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):487–8

Experimental intravitreal 5–fluorocytosine. Yoshizumi MO, et al. **Ann Ophthalmol** 1985 Jan;17(1):58–61

Successfully treated spheno–orbital mucormycosis in an otherwise healthy adult. Zak SM, et al. **Ann Ophthalmol** 1985 Jun;17(6):344–8

Injection treatment of endocrine orbital myopathy. Scott AB. **Doc Ophthalmol** 1984 Aug 15;58(1):141–5

[Supraorbital eosinophilic granuloma. Local treatment with corticoids] Sánchez JL, et al. **An Esp Pediatr** 1984 Jun;20(9):914–6 **(Spa)**

ETIOLOGY

Endogenous Actinobacillus actinomycetemcomitans endophthalmitis. Donzis PB, et al. **Ann Ophthalmol** 1984 Sep;16(9):858–60

Frontal and orbital bone infarctions causing periorbital swelling in patients with sickle cell anemia. Garty I, et al. **Arch Ophthalmol** 1984 Oct;102(10):1486–8

Subperiosteal orbital hemorrhage associated with chronic sinusitis: a case report and review of the literature. Ichino Y, et al. **Auris Nasus Larynx** 1985;12(1):27–30

Orbital cellulitis of dental origin: case report and review of the literature. Janakarajah N, et al. **Br J Oral Maxillofac Surg** 1985 Apr;23(2):140–5

Rhinocerebral mycosis. Hazarika P, et al. **Ear Nose Throat J** 1984 Sep;63(9):464–8

An unusual complication of external cardiac massage. Evans PJ, et al. **Injury** 1985 Jul;16(7):477

Orbitocalvarial swelling and proptosis as an early manifestation of systemic lymphoma. Coppeto JR, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):173–80

Delayed spontaneous retrobulbar haemorrhage. A case report. Morris TA, et al. **J Maxillofac Surg** 1985 Jun;13(3):129–30

Fibrosis surrounding a silicone implant simulating recurrent orbital meningioma. Case report. Abla AA, et al. **J Neurosurg** 1985 Sep;63(3):467–9

Pseudallescheria boydii (Petriellidium boydii) infection of the orbit. Nunery WR, et al. **Ophthalmic Surg** 1985 May;16(5):296–300

Orbital complications of ethmoiditis. Goodwin WJ Jr. **Otolaryngol Clin North Am** 1985 Feb;18(1):139–47 (5 ref.)

Chromobacterium violaceum as a cause of periorbital cellulitis. Simo F, et al. **Pediatr Infect Dis** 1984 Nov–Dec;3(6):561–3

Orbital infarction in sickle cell disease. Wolff MH, et al. **Pediatr Radiol** 1985;15(1):50–2

Orbital cellulitis following dental extraction. Bullock JD, et al. **Trans Am Ophthalmol Soc** 1984;82:111–33

[Chronic retrobulbar inflammations of sinus origin] Baráková D, et al. **Cesk Oftalmol** 1984 Nov;40(6):365–7 (Eng. Abstr.) **(Cze)**

[Monocular hematoma: an innocent black eye?] Mays HE, et al. **Ned Tijdschr Geneeskd** 1985 Jan 26;129(4):145–8 **(Dut)**

[Emergencies in orbital complications of sinusitis] Skenazi JJ, et al. **Acta Otorhinolaryngol Belg** 1984;38(2):133–9 (Eng. Abstr.) **(Fre)**

[Orbital apex syndrome in a child with Wegener's granulomatosis] Faucher D, et al. **Arch Fr Pediatr** 1985 Apr;42(4):305–7 (Eng. Abstr.) **(Fre)**

[Post–traumatic isolated retrobulbar emphysema] Leleux D, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):655–6 **(Fre)**

[Orbital apex syndrome as a result of fibrous dysplasia of the skull with malignant evolution] Savino S, et al. **Riv Neurol** 1984 Sep–Oct;54(5):340–6 (Eng. Abstr.) **(Ita)**

[Rhinogenic orbital complications] Dadamukhamedov AN, et al. **Vestn Otorinolaringol** 1985 Mar–Apr;(2):51–3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The complement system and host defense against Pseudomonas endophthalmitis. Aizuss DH, et al. **Invest Ophthalmol Vis Sci** 1985 Sep;26(9):1262–6

MICROBIOLOGY

Yersinia enterocolitica and eye infection: a case report. Monno R, et al. **Boll Ist Sieroter Milan** 1982;61(6):510–2

Orbital cellulitis and sinusitis caused by group B beta streptococcus in a 3–year–old child. Blumenthal DS, et al. **J Natl Med Assoc** 1985 Feb;77(2):147–8

PATHOLOGY

Orbital fine–needle aspiration biopsy. Kennerdell JS, et al. **Am J Ophthalmol** 1985 May 15;99(5):547–51

Histiocytic disorders of the orbit. Char DH, et al. **Ann Ophthalmol** 1984 Sep;16(9):867–70, 872–3

Lymphoid proliferations in the orbit: malignant or benign?

van der Gaag R, et al. **Br J Ophthalmol** 1984 Dec;68(12):892-900

Orbital apex syndrome due to rhinoscleroma. A case report. Nayar RC, et al. **J Laryngol Otol** 1985 Jun;99(6):597-9

Rhino-orbital zygomycosis. Ellis CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):455-8

Bimanual endoscopic orbital biopsy. An emerging technique. Norris JL, et al. **Ophthalmology** 1985 Jan;92(1):34-8

Polyclonal orbital and systemic infiltrates. Rootman J, et al. **Ophthalmology** 1984 Sep;91(9):1112-7

[Malignant transformation of fibrous dysplasia of the orbit] Lebeau J, et al. **Rev Stomatol Chir Maxillofac** 1984;85(5):403-10 (Eng. Abstr.) **(Fre)**

[Significance of echographic tissue differentiation for orbital surgery] Till P, et al. **Klin Monatsbl Augenheilkd** 1985 Apr;186(4):296-9 (Eng. Abstr.) **(Ger)**

[Case of sarcoidosis with involvement of the orbit] Oksenov BS, et al. **Vestn Dermatol Venerol** 1985 Apr;(4):48-9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hyperplastic primary vitreous with microphthalmos and ocular communicating orbital cyst. Hall DL. **Ann Ophthalmol** 1984 Sep;16(9):876-8

RADIOGRAPHY

Erdheim-Chester disease: computed tomography in two cases. Sherman JL, et al. **AJNR** 1985 May-Jun;6(3):444-5

Computed tomography in the diagnosis of orbital lesions. Songseng A, et al. **J Med Assoc Thai** 1985 Mar;68(3):146-54

Microphthalmos with cyst: clinical presentations and computed tomographic findings. Weiss A, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jan-Feb;22(1):6-12

Orbital hemorrhage with proptosis following a dacryocystorhinostomy. Slonim CB, et al. **Ophthalmic Surg** 1984 Sep;15(9):774-5

Orbital volume measurements in enophthalmos using three-dimensional CT imaging. Bite U, et al. **Plast Reconstr Surg** 1985 Apr;75(4):502-8

Computed tomographic findings in orbital Mucor. Greenberg MR, et al. **West J Med** 1985 Jul;143(1):102-3

[Orbital localization of hydatid cyst (10 cases). X-ray computed tomography] Benrabah R, et al. **Bull Soc Ophtalmol Fr** 1984 Jan;84(1):29-34 **(Fre)**

[Acute orbital myositis--a case of inflammatory orbital pseudotumor characterized by enlargement of localized extraocular muscles] Honda H, et al. **Rinsho Shinkeigaku** 1985 May;25(5):597-600 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Radiotherapy of lymphoid diseases of the orbit. Austin-Seymour MM, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):371-9

SURGERY

Extradural and intradural microsurgical approaches to lesions of the optic canal and the superior orbital fissure. Hassler W, et al. **Acta Neurochir (Wien)** 1985;74(3-4):87-93

Solitary eosinophilic granuloma of the lateral orbital wall. Feldman RB, et al. **Am J Ophthalmol** 1985 Aug 15;100(2):318-23

An individualized approach to orbital decompression in Graves' orbitopathy. Hurwitz JJ, et al. **Arch Ophthalmol** 1985 May;103(5):660-5

Spontaneous orbital haemorrhage. Brooks AM, et al. **Br J Ophthalmol** 1984 Nov;68(11):838-40

Gas gangrene infection of the eyes and orbits. Crock GW, et al. **Br J Ophthalmol** 1985 Feb;69(2):143-8

Emergency orbital decompression. Bedrossian RH. **Ophthalmic Surg** 1985 May;16(5):293-5

Orbital emphysema as an ophthalmologic emergency. Fleishman JA, et al. **Ophthalmology** 1984 Nov;91(11):1389-91

Fibrous dysplasia of the orbit in childhood. Clinical features and management. Moore AT, et al. **Ophthalmology** 1985 Jan;92(1):12-20

Retroauricular island flap for eye socket reconstruction. Guyuron B. **Plast Reconstr Surg** 1985 Oct;76(4):527-33

Orbital abscess. Hornblass A, et al. **Surv Ophthalmol** 1984 Nov-Dec;29(3):169-78 (26 ref.)

THERAPY

[Ways of eliminating diagnostic and organizational obstacles in the treatment of rhinogenic phlegmon of the orbit in children] Moskovchenko KP, et al. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):20-3 (Eng. Abstr.) **(Rus)**

VETERINARY

B-scan ultrasonography for the detection of space-occupying ocular masses. Miller WW, et al. **J Am Vet Med Assoc** 1985 Jul 1;187(1):66-8

ORBITAL **FRACTURES** see under **SKULL FRACTURES**

ORBITAL NEOPLASMS

Recurrent oncocytoma of the ethmoid sinus with orbital invasion. Chui RT, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):267-70

[Malignant melanoma of the orbit. Case reports] Vlková E, et al. **Cesk Oftalmol** 1985 May;41(3):166-72 (Eng. Abstr.) **(Cze)**

CLASSIFICATION

Classification and incidence of space-occupying lesions of the orbit. A survey of 645 biopsies. Shields JA, et al. **Arch Ophthalmol** 1984 Nov;102(11):1606-11

COMPLICATIONS

Eyelid ecchymosis and proptosis in lymphangioma. Dryden RM, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):486-7

Orbital glioma. Mohan Reddy CC, et al. **Indian J Ophthalmol** 1984 Jan-Feb;32(1):49-50

Rhabdomyosarcoma causing rapid bilateral visual loss in children. Breen LA, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):185-8

[Ocular and orbital sequellae in the treatment of embryonic rhabdomyosarcoma of the orbit. Apropos of 3 cases] Behar C, et al. **Ann Pediatr (Paris)** 1984 Oct 15;31(9):739-42 (Eng. Abstr.) **(Fre)**

[Lymphangioma of the orbit] Chaker M, et al. **Tunis Med** 1983 Nov-Dec;61(6):401-4 (Eng. Abstr.) **(Fre)**

CONGENITAL

Oculocerebrocutaneous syndrome. Wilson RD, et al. **Am J Ophthalmol** 1985 Feb 15;99(2):142-8

Melanotic neuroectodermal tumor of infancy (retinal anlage tumor). Lamping KA, et al. **Ophthalmology** 1985 Jan;92(1):143-9

Congenital orbital teratoma: a review and report of two cases. Mamalis N, et al. **Surv Ophthalmol** 1985 Jul-Aug;30(1):41-6

DIAGNOSIS

Standardized echographic-histopathologic correlations in liposarcoma. Nasr AM, et al. **Am J Ophthalmol** 1985 Feb 15;99(2):193-200

Cytologic diagnosis of myeloid sarcoma. Singh T, et al. **Am J Ophthalmol** 1985 Apr 15;99(4):496-7

Bilateral idiopathic inflammatory pseudotumor of the orbits. Verma N, et al. **Ann Ophthalmol** 1984 Nov;16(11):1076-80

Fine needle aspiration biopsy of orbital lesions using CT scan control. Moore CE. **Aust J Ophthalmol** 1984 Nov;12(4):379-81

Intra-orbital dermoid. Sahoo IM, et al. **Indian J Ophthalmol** 1984 May-Jun;32(3):187-8

MR imaging of orbital tumors with CT and ultrasound correlations. Li KC, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1039-47

Adenoid cystic carcinoma of the orbit diagnosed by means of aspirative cytology. Malberger E, et al. **Ophthalmologica** 1985;190(2):125-7

Otolaryngologic manifestations of orbital pseudotumors. Fortson JK, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):342-8

Ocular and orbital lesions: surface coil MR imaging. Bilaniuk LT, et al. **Radiology** 1985 Sep;156(3):669-74

[Orbital hemangioma--clinical and pathologic analysis of 81 cases] Deng FG. **Chung Hua Yen Ko Tsa Chih** 1984 Nov;20(6):349-51 **(Chi)**

[Fine needle aspiration biopsy of orbital tumors] Hu FR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Apr;84(4):521-8 (Eng. Abstr.) **(Chi)**

[Idiopathic inflammatory pseudotumor of the orbit in childhood. Clinical study] Krásný J, et al. **Cesk Oftalmol** 1985 Jul;41(4):244-51 (Eng. Abstr.) **(Cze)**

[Yolk sac tumor of primary orbital localization] Roth A, et al. **Ann Pediatr (Paris)** 1984 Oct;31(8):693-5 (Eng. Abstr.) **(Fre)**

[Course of malignant histiocytosis] Trinkmann R. **Ophthalmologica** 1984;189(4):177-9 (Eng. Abstr.) **(Ger)**

[Primary malignant melanoma of the orbit A- and B-scan echographic characteristics] Motolese E, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30;60(6):1239-44 (Eng. Abstr.) **(Ita)**

[Orbital and eyelid tumors as one of the signs of generalized lymphoma] Ciszewska J, et al. **Klin Oczna** 1984 Aug;86(8):349-51 (Eng. Abstr.) **(Pol)**

[Pseudotumors of the orbit (data of the Kazakh Scientific Research Institute of Ophthalmology)] Galimova RZ, et al. **Oftalmol Zh** 1985;(2):102-4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Orbital rhabdomyosarcoma: improved survival with combined pulsed chemotherapy and irradiation. Ghafoor SY, et al. **Br J Ophthalmol** 1985 Aug;69(8):557-61

The treatment of periorbital infantile hemangioma with intralesional corticosteroid. Kushner BJ. **Plast Reconstr Surg** 1985 Oct;76(4):517-26

ETIOLOGY

Amputation neuroma of the orbit. Report of two cases and review of the literature. Messmer EP, et al. **Ophthalmology** 1984 Nov;91(11):1420-3

HISTORY

[The intraorbital tumor of Field Marshal Radetzky cured by homeopathic therapy] Belloni L. **Gesnerus** 1985;42(1-2):35-46 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

[Immunologic tumor diagnosis in exophthalmos] Küchle HJ, et al. **Fortschr Ophthalmol** 1984;81(4):372-4 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Childhood malignancies of the eye and orbit in northern Nigeria. Abiose A, et al. **Cancer** 1985 Jun 15;55(12):2889-93

[Tumors of the orbit in children] Offret H, et al. **Annee Ther Clin Ophtalmol** 1983;34:191-207 (Eng. Abstr.) **(Fre)**

PATHOLOGY

A clinicopathologic study of 21 cases of adenoid squamous cell carcinoma of the eyelid and periorbital region. Caya JG, et al. **Am J Ophthalmol** 1985 Mar 15;99(3):291-7

Localized orbital neurofibromas. Krohel GB, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):458-64

Childhood orbital pseudotumor. Grossniklaus HE, et al. **Ann Ophthalmol** 1985 Jun;17(6):372-7

Lymphoid tumors of the orbit and ocular adnexa: a long-term follow-up. Vogiatzis KV. **Ann Ophthalmol** 1984 Nov;16(11):1046-55

Orbital Burkitt's lymphoma in a homosexual man with acquired immune deficiency. Brooks HL Jr, et al. **Arch Ophthalmol** 1984 Oct;102(10):1533-7

Atypical facial pain and orbital cancer. Ruff T, et al. **Arch Otolaryngol** 1985 May;111(5):338-9

Diagnosis of orbital tumors by aspiration biopsy guided by computerized tomography. Czerniak B, et al. **Cancer** 1984 Dec 1;54(11):2385-9

Clinicopathologic and immunologic characteristics of non-Hodgkin's lymphomas presenting in the orbit. A report of eight cases. Lazzarino M, et al. **Cancer** 1985 May 1;55(9):1907-12

The risk to the orbit in head and neck cancer. Conley J. **Laryngoscope** 1985 May;95(5):515-22

Chondrosarcoma in the optic canal--a case report with ultrastructural study. Kubota T, et al. **Neurol Med Chir (Tokyo)** 1985 Jan;25(1):36-41

Neonatal orbital teratoma with intracranial extension--case report. Sato H, et al. **Neurol Med Chir (Tokyo)** 1985 Jan;25(1):50-4

Orbito-facial extension of intracranial medulloblastoma. Kingsley DP, et al. **Neuroradiology** 1985;27(1):88

Adult-onset Still's disease and inflammatory orbital pseudotumor. Cush JJ, et al. **NY State J Med** 1985 Mar;85(3):110-1

Papillomas of lacrimal drainage system: a clinicopathologic study. Karcioglu ZA, et al. **Ophthalmic Surg** 1984 Aug;15(8):670-6

Ectopic lacrimal gland tissue of the orbit and sclerosing dacryoadenitis. Margo CE, et al. **Ophthalmic Surg** 1985 Mar;16(3):178-81

Orbital pseudotumor: histopathological classification and treatment. Fujii H, et al. **Ophthalmologica** 1985;190(4):230-42

Inaccuracy of fine needle aspiration biopsy. Krohel GB, et al. **Ophthalmology** 1985 May;92(5):666-70

Psammomatoid (juvenile) ossifying fibroma of the orbit. Margo CE, et al. **Ophthalmology** 1985 Jan;92(1):150-9

[Nonchromaffin paraganglioma of the orbit—a case report and review of the literature] Yao TJ. **Chung Hua Chung Liu Tsa Chih** 1984 May;6(3):231-2 (Eng. Abstr.) **(Chi)**

[Clinicopathological analysis of hemangiopericytoma of the orbit] Liu ZM. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):204-6 **(Chi)**

[Clinicopathological analysis of cilioma of the orbit] Zhang RY. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):197-200 **(Chi)**

[Idiopathic inflammatory pseudotumor of the orbit in childhood. II. Biopsy] Stejskal J, et al. **Cesk Patol** 1985 May;21(2):77-86 (Eng. Abstr.) **(Cze)**

[Papillary recurrence of glioma of the optic nerve] Malan P, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):671-4 (Eng. Abstr.) **(Fre)**

[Ganglioneuroblastoma of the orbit] Dhermy P, et al. **J Fr Ophtalmol** 1985;8(2):139-46 (Eng. Abstr.) **(Fre)**

[Intraorbital ossification and inflammatory pseudotumor: bone choristoma or metaplastic ossification?] Lepori JC, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):467-72 (Eng. Abstr.) **(Fre)**

[Malignant transformation of fibrous dysplasia of the orbit] Lebeau J, et al. **Rev Stomatol Chir Maxillofac** 1984;85(5):403-10 (Eng. Abstr.) **(Fre)**

[A clinicopathologic study on orbital and ocular adnexal lymphoid neoplasms] Uyeno Y. **Nippon Ganka Gakkai Zasshi** 1984 Aug;88(8):1128-37 (Eng. Abstr.) **(Jpn)**

[Preliminary elaboration of the method of specimen collection using fine-needle biopsy in the diagnosis of rhabdomyosarcoma in children] Bożek J, et al. **Probl Med Wieku Rozwoj** 1984;13:150-3 (Eng. Abstr.) **(Pol)**

[Sphenoidal meningioma invading the orbit] Segal N. **Rev Chir [Oftalmol]** 1984 Oct-Dec;28(4):301-5 **(Rum)**

PHYSIOPATHOLOGY

The oculocardiac reflex with an orbital tumor [letter] Garrity JA, et al. **Am J Ophthalmol** 1984 Dec 15;98(6):818

RADIOGRAPHY

CT evaluation of perineural orbital lesions: evaluation of the 'tram-track' sign. Johns TT, et al. **AJNR** 1984 Sep-Oct; 5(5):587-90

Orbital involvement in mycosis fungoides [letter] Beck RW, et al. **Arch Ophthalmol** 1984 Dec;102(12):1749-50

Diagnosis of orbital tumors by aspiration biopsy guided by computerized tomography. Czerniak B, et al. **Cancer** 1984 Dec 1;54(11):2385-9

Atypical computed tomography findings in a case of orbital pseudotumor. Norton KI, et al. **J Comput Tomogr** 1985 Jul;9(3):203-7

Computed tomography in the diagnosis of orbital lesions. Songseng A, et al. **J Med Assoc Thai** 1985 Mar;68(3):146-54

Contribution of computerized tomography to the study of spheno-orbital dysplasia in neurofibromatosis. Grenier N, et al. **J Neuroradiol** 1984;11(3):201-11 **(Eng, Fre)**

Fibrosis surrounding a silicone implant simulating recurrent orbital meningioma. Case report. Abla AA, et al. **J Neurosurg** 1985 Sep;63(3):467-9

Computerized axial tomography in inflammatory pseudotumor of the orbit. Rowe LD, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):378-83

CT of dry skulls with craniofacial deformities: accuracy of three-dimensional reconstruction. Hemmy DC, et al. **Radiology** 1985 Oct;157(1):113-6

[Frontal osteoma with orbital extension. Apropos of a case] Constans JP, et al. **J Fr Ophtalmol** 1984;7(5):381-4 (Eng. Abstr.) **(Fre)**

[Malignant lymphomas of the orbit, facial bones and the parapharyngeal space] Mödder U, et al. **Radiologe** 1985 May;25(5):213-6 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Pseudotumor of hemophilia in the orbit: the role of radiotherapy in management. Meyers L, et al. **Am J Hematol** 1985 May;19(1):99-104

Orbital tumor irradiation using non-coplanar beams. Harisiadis L, et al. **Radiology** 1985 Sep;156(3):823-4

[Radiotherapy in the combined treatment of malignant tumors of the orbit in children] Tsyplenkov VG, et al. **Med Radiol (Mosk)** 1984 Oct;29(10):31-4 (Eng. Abstr.) **(Rus)**

SECONDARY

Metastasis of solid tumors in extraocular muscles. Weiss R, et al. **Acta Neuropathol (Berl)** 1984;65(2):168-71

Standardized echography in uveal melanomas with scleral or extraocular extension. Farah ME, et al. **Arch Ophthalmol** 1984 Oct;102(10):1482-5

Plexiform ameloblastoma of the maxilla with extension to the skull base. Komisar A. **Head Neck Surg** 1984 Dec; 7(2):172-5

Acquired retraction syndrome associated with orbital metastasis. Kivlin JD, et al. **J Pediatr Ophthalmol Strabismus** 1985 May-Jun; 22(3):109-12

Ocular involvement in neuroblastoma: prognostic implications. Musarella MA, et al. **Ophthalmology** 1984 Aug;91(8):936-40

Maxillary ameloblastoma with orbital invasion. A clinicopathologic study. Weiss JS, et al. **Ophthalmology** 1985 May;92(5):710-3

Enophthalmos as a rare manifestation of metastatic orbital involvement. de Keyser J, et al. **Postgrad Med J** 1985 Feb; 61(712):149-52

[A case of multiple epidural metastases of neuroblastoma] Murasawa M, et al. **Rinsho Hoshasen** 1985 May; 30(5):609-12 (Eng. Abstr.) **(Jpn)**

[Characteristics of the clinical manifestations of intracranial meningiomas invading the orbit] Trosh RM. **Oftalmol Zh** 1985;(1):28-30 (Eng. Abstr.) **(Rus)**

SURGERY

Cranio-facial approach to ossifying fibromas. Janecka IP, et al. **Laryngoscope** 1985 Mar;95(3):305-6

Esthesioneuroblastoma: treatment of skull-base recurrence. Jackson IT, et al. **Plast Reconstr Surg** 1985 Aug; 76(2):195-201

Reconstruction of a socket using a retroauricular temporal flap. van der Meulen JC. **Plast Reconstr Surg** 1985 Jan; 75(1):112-4

[Transfrontal approach for the removal of orbital, orbitocerebral and orbitosinusal tumors--report of 100 cases] Pang RQ. **Chung Hua Yen Ko Tsa Chih** 1984 Jul; 20(4):209-10 **(Chi)**

[Orbital meningiomas] Beziat JL, et al. **Ann Chir Plast Esthet** 1984;29(3):241-6 (Eng. Abstr.) **(Fre)**

[Orbitopalpebral neurofibromatosis: orbital enlargement by an intracranial approach and palpebral correction] Marchac D, et al. **J Fr Ophtalmol** 1984;7(6-7):469-78 (Eng. Abstr.) **(Fre)**

[Value and limitations of the use of CO2 laser in neurosurgery. Reflexions from a french experience] Roux FX, et al. **Neurochirurgie** 1984;30(5):335-9 (Eng. Abstr.) **(Fre)**

[Long-term follow-up of patients with optic glioma] Kanamori M, et al. **Neurol Med Chir (Tokyo)** 1985 Apr; 25(4):282-8 (Eng. Abstr.) **(Jpn)**

THERAPY

Rhabdomyosarcoma of the orbit [letter] Buckman G. **Plast Reconstr Surg** 1985 Oct;76(4):655-6

[Orbital tumors in children: analysis of 51 cases] Yu CT. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):207-8 **(Chi)**

[Treatment of orbital rhabdomyosarcoma] Mourits MP, et al. **Ned Tijdschr Geneeskd** 1985 May 18;129(20):948-51 (Eng. Abstr.) **(Dut)**

[Orbitopalpebral rhabdomyosarcoma in a 17-year-old adolescent] Nicaise A, et al. **Bull Soc Ophtalmol Fr** 1984 Jan;84(1):55-8 (Eng. Abstr.) **(Fre)**

[A case of reticulosarcoma of the orbit 11 years after its treatment] Vignat JP, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1089-91 **(Fre)**

ULTRASTRUCTURE

[Malignant fibrohistiocytoma of the orbit] Avagnina A, et al. **Medicina (B Aires)** 1984;44(2):171-6 (Eng. Abstr.) **(Spa)**

VETERINARY

Orbital neoplasia in 23 dogs. Kern TJ. **J Am Vet Med Assoc** 1985 Mar 1;186(5):489-91

ORCHITIS

COMPLICATIONS

'Fungus testis' in granulomatous orchitis. Cetti NE. **Br J Urol** 1984 Oct;56(5):547

DIAGNOSIS

Granulomatous aspecific orchitis. Report of a case and review of literature. Saltutti C, et al. **Acta Urol Belg** 1984; 52(4):605-9

Sonography quiz. Epididymo-orchitis. Marques B, et al. **Bol Asoc Med PR** 1984 Jul;76(7):323-4

Hemophilus influenzae epididymo-orchitis. Weber TR. **J Urol** 1985 Mar;133(3):487

ETIOLOGY

Multifocal damage of the testis induced in rats by passive transfer of antibodies prepared against non-collagenous fraction of basement membrane. Denduchis B, et al. **J Reprod Immunol** 1985 Jan;7(1):59-75

Epididymitis, orchitis, and related conditions. Krieger JN. **Sex Transm Dis** 1984 Jul-Sep;11(3):173-81 (92 ref.)

[Spontaneous orchi-epididymitis due to necrosis of ischemic vascular origin] Loup J. **Ann Urol (Paris)** 1984 Feb; 18(1):38-9 (Eng. Abstr.) **(Fre)**

[Haemophilus influenzae orchitis in an adult] Pinon G, et al. **Ann Urol (Paris)** 1984 Feb;18(1):40-1 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Requirement of B lymphocytes in local adoptive transfer of experimental allergic orchitis (EAO) by lymph node cells. Hiramine C, et al. **Am J Reprod Immunol** 1984 Oct-Nov; 6(3):85-91

Cellular transfer of autoimmune aspermogenic orchiepididymitis (AIAO) by the i.v. route in the guinea pig. Toullet F, et al. **Clin Exp Immunol** 1985 Mar; 59(3):593-603

PATHOLOGY

Bilateral granulomatous orchitis: manifestation of idiopathic systemic granulomatosis. Klein FA, et al. **J Urol** 1985 Oct; 134(4):762-4

Idiopathic granulomatous orchitis. Raju GC, et al. **Trop Geogr Med** 1985 Jun;37(2):188-9

PHYSIOPATHOLOGY

Testicular blood flow in experimental torsion and epididymo-orchitis measured by 133Xe clearance technique in rabbits. Unlüer SE, et al. **Urol Res** 1984; 12(3):183-6

PREVENTION & CONTROL

In vivo effects of cyclosporin A: abrogation of the induction of experimental allergic orchitis and sparing of the generation of suppressor cells. Hojo K, et al. **Int Arch Allergy Appl Immunol** 1985;78(1):63-70

Vasectomy to prevent acute epididymo-orchitis after prostatic adenomectomy: still a controversy. Richter S, et al. **Urol Int** 1984;39(5):283-5

SURGERY

[Treatment of patients with acute inflammatory diseases of the scrotal organs] Fedorchenko PM, et al. **Urol Nefrol (Mosk)** 1985 May-Jun;(3):38-40 (Eng. Abstr.) **(Rus)**

VETERINARY

Periorchitis after tetramisole treatment in bulls implanted with Setaria labiatopapillos. Powe TA, et al. **J Am Vet Med Assoc** 1985 Mar 15;186(6):588-9

ORCIPRENALINE

ADMINISTRATION & DOSAGE

A simple device for delivering bronchodilators into the anesthesia circuit [letter] Duckett JE, et al. **Anesthesiology** 1985 May;62(5):699-700

Efficiency of air compressor-driven nebulizers. Kradjan WA, et al. **Chest** 1985 Apr;87(4):512-6

Acute effects of aerosolized metaproterenol on breathing pattern of patients with symptomatic bronchial asthma. Tobin MJ, et al. **J Allergy Clin Immunol** 1985 Aug;76(2 Pt 1):166-72

Comparison of metered-dose inhaler attached to an Aerochamber with an updraft nebulizer for the administration of metaproterenol in hospitalized patients. Berenberg MJ, et al. **J Asthma** 1985;22(2):87-92

ANALOGS & DERIVATIVES

Evaluation of reproterol's effectiveness in preventing exercise-induced bronchospasm in children. Verini M, et al. **J Int Med Res** 1985;13(1):19-23

[Behavior of PaO2 after intravenous administration of reproterol in subjects with chronic obstructive bronchopneumopathy] Grandillo F, et al. **Arch Monaldi** 1983 Sep-Dec;38(5-6):201-8 (Eng. Abstr.) **(Ita)**

[Evaluation using dynamic ECG of the effects of reproterol (a new beta-2 adrenergic receptor agonist) on the heart conduction system] Citone C, et al. **Clin Ter** 1984 Sep 15; 110(5):429-36 (Eng. Abstr.) **(Ita)**

[Clinical study of reproterol in patients with obstructive pathology of the airways] Puzio E, et al. **Clin Ter** 1985 Jan 31;112(2):141-4 (Eng. Abstr.) **(Ita)**

ANALYSIS

Spectrophotometric, fluorometric and colorimetric determination of terbutaline sulphate and orciprenaline sulphate. el-Yazbi FA, et al. **Farmaco [Prat]** 1985 Feb; 40(2):50-7

Determination of dissociation constants of 5-[1-hydroxy-2-[(1-methylethyl)amino]ethyl]-1-3-benzen Quintero B, et al. **J Pharm Sci** 1985 Jan;74(1):72-5

PHARMACODYNAMICS

Can neonatal beta-adrenergic stimulation prevent the effects of androgenization in female rats? Vidal MJ, et al. **J Steroid Biochem** 1985 May;22(5):677-9

A fundamental temperature-dependent difference between beta-adrenoceptor agonists and antagonists. Chess-Williams RG, et al. **Life Sci** 1984 Sep 3; 35(10):1091-9

[Effect of stimulation of beta adrenergic receptors on pentagastrin-induced gastric secretion in the dog] Kienia AI. **Fiziol Zh SSSR** 1985 Feb;71(2):238-42 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Comparison between long-term treatment of chronic bronchitic airway obstruction with ipratropium bromide and metaproterenol. Ashutosh K, et al. **Ann Allergy** 1984 Nov;53(5):401-6

Combination drug therapy in children with exercise-induced bronchospasm. Cummings NP, et al. **Ann Allergy** 1984 Nov; 53(5):395-400

Comparison of metaproterenol, isoetharine and salbutamol in the relief of methacholine-induced bronchospasm in dogs. Casthely PA, et al. **Can Anaesth Soc J** 1985 Mar; 32(2):112-8

Subcutaneous epinephrine vs. nebulized metaproterenol in acute asthma. Elenbaas RM, et al. **Drug Intell Clin Pharm** 1985 Jul-Aug;19(7-8):567-71

beta-Adrenergic treatment of hyperkalemic periodic paralysis. Bendheim PE, et al. **Neurology** 1985 May; 35(5):746-9

[Combined use of talinolol and beta adrenergic stimulants in status asthmaticus. Report on 3 patients] Oltmanns G, et al. **Z Erkr Atmungsorgane** 1984;163(3):297-303 (Eng. Abstr.) **(Ger)**

[Characteristics of beta 2-adrenergic regulation of gastric secretion, hemostasis and cardiac rhythm in patients with duodenal ulcer and a history of hemorrhagic complications (effect of alupent)] Fisher AA, et al. **Ter Arkh** 1985; 57(2):21-6 (Eng. Abstr.) **(Rus)**

ORF see **ECTHYMA, CONTAGIOUS**

ORF VIRUS see under **POXVIRIDAE**

ORGAN CULTURE

On disturbance of homeostasis in organ-cultured tissue. Norrby K, et al. **In Vitro** 1984 Aug;20(8):607-14

In vitro modulation of differentiation by calcium in organ cultures of human and murine epithelial tissue. Sacks PG, et al. **In Vitro Cell Dev Biol** 1985 Feb;21(2):99-107

Loss of Langerhans cells from gingival tissue maintained in organ culture. Walsh LJ, et al. **J Oral Pathol** 1984 Dec; 13(6):604–13

Dynamic organ culture of precision liver slices for in vitro toxicology. Smith PF, et al. **Life Sci** 1985 Apr 8; 36(14):1367–75

[Morphological and morphometric analysis of the chick embryo intestine in organotypic culture after laser irradiation] Gheri Bryk S, et al. **Arch Ital Anat Embriol** 1984 Apr–Jun;89(2):141–52 **(Ita)**

METHODS

Endothelial injury and healing in vitro. Studies using an organ culture system. Pederson DC, et al. **Am J Pathol** 1985 May;119(2):264–72

[Use of modified organ culture methods with subsequent transplantation of the explants and a method for culturing cryostat organ sections on lamellas] Uzunov P, et al. **Eksp Med Morfol** 1984;23(3):162–5 (Eng. Abstr.) **(Bul)**

ORGAN FAILURE, MULTIPLE see **MULTIPLE ORGAN FAILURE**

ORGAN OF CORTI

ANALYSIS

Several distinct receptor binding enkephalins in olivocochlear fibers and terminals in the organ of Corti. Hoffman DW, et al. **Brain Res** 1984 Nov 19;322(1):59–65

ANATOMY & HISTOLOGY

Enkephalin-like immunoreactivity in the guinea pig organ of Corti: ultrastructural and lesion studies. Altschuler RA, et al. **Hear Res** 1984 Oct;16(1):17–31

Guinea pig cochlear hair cell density; its relation to frequency discrimination. Burda H. **Hear Res** 1984 Jun;14(3):315–7

The accuracy of hair cell counts in determining distance and position along the organ of Corti. Thorne PR, et al. **J Acoust Soc Am** 1984 Aug;76(2):440–2

DRUG EFFECTS

Incorporation of glycerol in the organ of Corti: predominance in hair cells and effects of kanamycin. Nishimura H, et al. **Hear Res** 1985 Jan;17(1):37–40

[Experimental study of the ototoxicity of cisplatinum] Basterra J, et al. **An Otorrinolaringol Ibero Am** 1985; 12(2):157–66 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Immunocytochemical localization of choline acetyltransferase-like immunoreactivity in the guinea pig cochlea. Altschuler RA, et al. **Brain Res** 1985 Jul 8; 338(1):1–11

Glutaminase-like immunoreactivity in the organ of Corti of guinea pig. Fex J, et al. **Hear Res** 1985 Feb;17(2):101–13

Glutamic acid decarboxylase immunoreactivity of olivocochlear neurons in the organ of Corti of guinea pig and rat. Fex J, et al. **Hear Res** 1984 Aug;15(2):123–31

GROWTH & DEVELOPMENT

Qualitative assessment of postnatal maturation of the organ of Corti in two rat strains. Burda H. **Hear Res** 1985 Mar; 17(3):201–8

IMMUNOLOGY

Neuron-specific enolase-like immunoreactivity in inner hair cells but not outer hair cells in the guinea pig organ of Corti. Altschuler RA, et al. **Brain Res** 1985 Feb 18; 327(1–2):379–84

METABOLISM

Met-enkephalin-Arg6-Gly7-Leu8 in the organ of Corti: high performance liquid chromatography and immunoelectron microscopy. Eybalin M, et al. **Brain Res** 1985 Apr 8; 331(2):389–95

Localization of dynorphin B-like and alpha-neoendorphin-like immunoreactivities in the guinea pig organ of Corti. Altschuler RA, et al. **Hear Res** 1985 Mar;17(3):249–58

PATHOLOGY

Ototoxicity of subcutaneously administered aztreonam in neonatal rats. Myhre JL, et al. **Toxicol Appl Pharmacol** 1985 Jan;77(1):108–15

PHYSIOLOGY

Some electrical circuit properties of the organ of Corti. II. Analysis including reactive elements. Dallos P. **Hear Res** 1984 Jun;14(3):281–91

ULTRASTRUCTURE

Fibre population of the vestibulocochlear anastomosis in humans. Arnesen AR. **Acta Otolaryngol (Stockh)** 1984 Nov–Dec;98(5–6):501–18

Results of an ultrastructural study comparing stria vascularis with organ of Corti in guinea pigs treated with kanamycin. Gratacap B, et al. **Acta Otolaryngol (Stockh)** 1985 Mar–Apr; 99(3–4):339–42

Cis-diaminedichloro platinum ototoxicity. An experimental study. Marco-Algarra J, et al. **Acta Otolaryngol (Stockh)** 1985 Mar–Apr;99(3–4):343–7

Nerve fibers in the fetal organ of Corti. Scanning electron microscopic study. Hoshino T, et al. **Ann Otol Rhinol Laryngol** 1985 May–Jun;94(3):304–8

A freeze-fracture study of afferent and efferent synapses of hair cells in the sensory epithelium of the organ of Corti in the guinea pig. Saito K, et al. **Cell Tissue Res** 1984; 238(3):437–46

Cross-links between stereocilia in the human organ of Corti. Rhys Evans PH, et al. **J Laryngol Otol** 1985 Jan;99(1):11–9

Ultrastructural changes in the organ of Corti and in the ganglion spiral cochleae after vitamin A deficiency. Löhle E. **Pathol Res Pract** 1985 Mar;179(4–5):560–7

ORGAN PRESERVATION

Liver preservation. Toledo-Pereyra LH. **Bol Asoc Med PR** 1985 Jan;77(1):2–5

Function of human autologous kidney grafts after extracorporeal preservation with Sacks' II solution. Ranch T, et al. **Br J Urol** 1985 Aug;57(4):380–5

Phosphate metabolites and organ preservation: 31P NMR study on rat kidney. Manganaro M, et al. **Cell Mol Biol** 1985;31(2):89–96

Lysosomal enzyme release in hypothermically perfused dog kidneys. Pavlock GS, et al. **Cryobiology** 1984 Oct; 21(5):521–8

The effect of cooling and warming rate on cortical cell function of glycerolized rabbit kidneys. Pegg DE, et al. **Cryobiology** 1984 Oct;21(5):529–35

Effects of hypothermic kidney preservation on the isolated perfused kidney: a comparison of reperfusion methods. Rice MJ, et al. **Cryobiology** 1985 Apr;22(2):161–7

Effects of short-term hypothermic perfusion and cold storage on function of the isolated-perfused dog kidney. Southard JH, et al. **Cryobiology** 1985 Apr;22(2):147–55

Some functional parameters in the isolated calf liver after hypothermic preservation. Vladović-Relja T. **Cryobiology** 1984 Oct;21(5):511–20

Intraportal autotransplantation of cryopreserved porcine islets of Langerhans. Wise MH, et al. **Cryobiology** 1985 Aug;22(4):359–66

Results obtained in perforating keratoplasty with corneas preserved in liquid nitrogen. Mathieu M, et al. **Dev Ophthalmol** 1985;11:49–54

Effect of hypothermic preservation on in vitro incorporation of 1-14C-acetate into lipids of liver. Garg S, et al. **Indian J Exp Biol** 1984 Dec;22(12):670–3

Enhancement of cardioplegic myocardial protection with calcium entry blockers. Guyton RA, et al. **J Med Assoc Ga** 1984 Oct;73(10):707–11

Scintigraphic evaluation of the viability of cold-preserved kidneys before transplantation. Anaise D, et al. **J Nucl Med** 1984 Dec;25(12):1304–9

Effects of freezing and freeze-drying on the biomechanical properties of rat bone. Pelker RR, et al. **J Orthop Res** 1984; 1(4):405–11

Glomerular endothelial injury related to simple hypothermic storage: an electron microscopic study in the rat. Stahl DA, et al. **J Submicrosc Cytol** 1985 Jul;17(3):345–50

Evaluation of myocardial preservation using 31P NMR. Whitman GJ, et al. **J Surg Res** 1985 Feb;38(2):154–61

Solutions for preservation of the heart at 0 degrees C. Foreman J, et al. **J Thorac Cardiovasc Surg** 1985 Jun; 89(6):867–71

Myocardial preservation with glucose, insulin, and potassium [letter] Stewart JR, et al. **J Thorac Cardiovasc Surg** 1985 Jun;89(6):948–50

Morphological aspects of the rat kidney preserved by cold storage. IV. Histoenzymological changes. V. Endopeptidase activity. Neagu S, et al. **Morphol Embryol (Bucur)** 1984 Jul–Sep;30(3):217–21

Mechanical properties of the rat colon: the effect of age, sex and different conditions of storage. Watters DA, et al. **Q J Exp Physiol** 1985 Jan;70(1):151–62

Organ preservation and sharing. **Transplant Proc** 1985 Feb; 17(1 Pt 2):1447–93

Cadaver kidney transplantation with cold ischemia time from 48 to 95 hours. Haberal M, et al. **Transplant Proc** 1984 Oct;16(5):1330–2

Organ and tissue preservation for transplantation: monitoring by 31P nuclear magnetic resonance. Marshall V, et al. **Transplant Proc** 1985 Apr;17(2):1693–6

Assessment of parathyroid graft function after autotransplantation of fresh and cryopreserved tissue. Rothmund M, et al. **World J Surg** 1984 Aug;8(4):527–33

[Conservation of the lung for 24 hours with delayed autograft. Experimental study in dogs] Rabinovitch J, et al. **Ann Chir** 1983 Oct;37(7):572–6 (Eng. Abstr.) **(Fre)**

[Cryopreservation of human parathyroid tissue. Effect of in vitro secretory behavior and morphology] Wagner PK. **Fortschr Med** 1984 Oct 18;102(39):989–92 (Eng. Abstr.) **(Ger)**

[A study of arterially perfused enucleated eye—drug effects on aqueous humor formation] Kodama T. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):239–46 (Eng. Abstr.) **(Jpn)**

[Non-invasive evaluation of the viability of the myocardium in heart preservation. An experimental study] Kaneko M, et al. **Nippon Rinsho** 1985 May;43(5):1046–50 **(Jpn)**

[Heart transplantation. Preservation of donors] Am Holen E, et al. **Tidsskr Nor Laegeforen** 1985 Mar 10;105(7):520–1 **(Nor)**

[Autoimplantation of cryopreserved (– 196 degrees C) thyroid gland parenchyma as a treatment method in postoperative hypothyroidism] Pushkar' NS, et al. **Probl Endokrinol (Mosk)** 1984 Sep–Oct;30(5):42–6 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Preservation of a donor heart under hypothermia by using apparatus perfusion] Kobakhidze EA, et al. **Anesteziol Reanimatol** 1985 Mar–Apr;(2):74–7 (91 ref.) **(Rus)**

METHODS

A universal method for separating en bloc cadaveric kidneys. Nghiem DD. **Am Surg** 1985 May;51(5):293–4

Preservation of the human cochlea. Bagger-Sjöbäck D, et al. **Ann Otol Rhinol Laryngol** 1985 May–Jun;94(3):284–92

The effect of hypothermic preservation of the heart and lungs on cardiorespiratory function following canine heart-lung transplantation. Feeley TW, et al. **Ann Thorac Surg** 1985 Jun;39(6):558–62

Antifungal synergism. A proposed dosage for corneal storage medium. Kowalski RP, et al. **Arch Ophthalmol** 1985 Feb; 103(2):250–6

Oxidation-reduction maintenance in organ preservation. Jellinek M, et al. **Arch Surg** 1985 Apr;120(4):439–42

Effect of cooling and warming rate on glycerolized rabbit kidneys. Jacobsen IA, et al. **Cryobiology** 1984 Dec; 21(6):637–53

Preservation of renal function by adenosine-stimulated ATP synthesis in hypothermically perfused dog kidneys. Southard JH, et al. **Cryobiology** 1985 Jun;22(3):237–42

Pancreas preservation with TP-IV: a hyperosmolar colloid solution. Toledo-Pereyra LH, et al. **Cryobiology** 1985 Feb; 22(1):40–6

Static lung preservation. Mancini MC, et al. **Curr Surg** 1985 Jan–Feb;42(1):23–5

Time resolved assessment of ischemic myocardial tolerance in normothermia and hypothermia by 31P nuclear magnetic resonance. Walpoth B, et al. **Curr Surg** 1985 May–Jun; 42(3):198–201

Corneal preservation: present state, methods, results, complications. Draeger J, et al. **Dev Ophthalmol** 1985; 11:15–31

Experiences with fresh refrigerated corneas versus corneas stored in McCarey-Kaufman medium. Eisgart F, et al. **Dev Ophthalmol** 1985;11:32–6

Organ culture corneal preservation. A preliminary report. Keates RH. **Dev Ophthalmol** 1985;11:44–8

Minnesota system corneal preservation. Lindstrom RL, et al. **Dev Ophthalmol** 1985;11:37–43

Functional preservation of the mammalian kidney. VI. Viability assessment of rabbit kidneys perfused at 25 degrees C with dimethyl sulfoxide in RPS-2. Hawkins HE, et al. **J Surg Res** 1985 Mar;38(3):281–8

Orthotopic transplantation of the canine heart after prolonged preservation by simple immersion. Morishita Y, et al. **Jpn J Surg** 1985 May;15(3):238–40

Myocardial preservation during heart surgery. Abu-Jawdeh C, et al. **Middle East J Anaesthesiol** 1984 Jun;7(5):329–36

Multiple organ procurement. Margreiter R. **Neth J Med** 1985; 28(6):222–5

Short-term kidney preservation: to perfuse or not to perfuse with the new Belzer perfusate. McCabe R, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:1027–31

A simple method for extended heart-lung preservation by autoperfusion. Morimoto T, et al. **Trans Am Soc Artif Intern Organs** 1984;30:320–4

The beneficial effect of trifluoperazine on the microcirculation and subsequent function of cold preserved kidneys. Anaise D, et al. **Transplant Proc** 1984 Oct; 16(5):1333–4

Results of heart-lung preservation for transplantation. Walpoth BH, et al. **Transplant Proc** 1984 Oct;16(5):1255–8

Enhanced resistance to the effects of hypothermic ischemia in the preserved canine kidney. Anaise D, et al. **Transplantation** 1984 Dec;38(6):570–4

Improved function of perfused rabbit kidneys by prevention of oxidative injury. Bry WI, et al. **Transplantation** 1984 Dec;38(6):579–82

[Advances in cryopreservation of organs] Bai NQ. **Chung Hua Wai Ko Tsa Chih** 1984 May;22(5):310–2 **(Chi)**

[Merthiolate-preserved homografts for arterial transplantation: surgery and long-term results] Fan DJ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 May;23(5):261–4, 317 (Eng. Abstr.) **(Chi)**

[Corneal cryopreservation in man: a proposal for an original technic] Delbosc B, et al. **J Fr Ophtalmol** 1984;7(4):321–31 (Eng. Abstr.) **(Fre)**

[Tolerance to ischemia in in-situ operations and kidney transplantation. Development of a protective procedure] Hölscher M. **Fortschr Med** 1984 Nov 29;102(44):1138–40 (Eng. Abstr.) **(Ger)**

[Preservation of canine hearts for 24 hours by retrograde coronary sinus microperfusion—evaluation of cardiac function by ventricular pressure-volume relationships and orthotopic heart transplantation] Suzuki S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Feb;33(2):139-46 (Eng. Abstr.) **(Jpn)**

[Simple heart preservation and orthotopic transplantation. Experimental studies] Taira A, et al. **Nippon Rinsho** 1985 May;43(5):1050-4 **(Jpn)**

[Perfusion preservation of the heart by cardiosynchronized pulsating flow and fluorocarbon oxygenation of the blood] Chilaia SM, et al. **Kardiologiia** 1984 Jul;24(7):94-6 **(Rus)**

[Clinical transplantation of allogeneic kidneys after trans-organ oxygen conservation] Belorusov OS, et al. **Vestn Akad Med Nauk SSSR** 1985;(4):33-40 (Eng. Abstr.) **(Rus)**

[Possibility of the restoration of kidney function after critical periods of thermal ischemia by perfusion] Ilgiavichiute IaS, et al. **Vestn Akad Med Nauk SSSR** 1985;(4):58-61 (Eng. Abstr.) **(Rus)**

[Permissible time of the hypothermic perfusion of the kidneys with albumin-salt solutions] Ilgiavichiute IaS, et al. **Vestn Akad Med Nauk SSSR** 1985;(4):61-5 (Eng. Abstr.) **(Rus)**

ORGAN SURVIVAL see **TISSUE SURVIVAL**

ORGAN WEIGHT

Selection for different growth parameters in laboratory mice and its correlated effects on body composition and organ weights. Bünger L, et al. **Nahrung** 1985;29(6):549-60

Normal organ weights of infants and children: graphs of values by age, with confidence intervals. Shankle WR, et al. **Pediatr Pathol** 1983 Oct-Dec;1(4):399-408

Comparison of fresh and fixed organ weights of rats. Kanerva RL, et al. **Toxicol Pathol** 1983;11(2):129-31

DRUG EFFECTS

The effects of various levels of ascorbic acid intake upon growth and organ weights of guinea pigs. Stanya AE, et al. **Int J Vitam Nutr Res** 1984;54(2-3):237-43

ORGANIC BRAIN SYNDROME, NONPSYCHOTIC see **ORGANIC MENTAL DISORDERS**

ORGANIC BRAIN SYNDROME, PSYCHOTIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

ORGANIC BRAIN SYNDROME, SUBSTANCE-INDUCED see **ORGANIC MENTAL DISORDERS, SUBSTANCE-INDUCED**

ORGANIC HALLUCINOSIS see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

ORGANIC MENTAL DISORDERS

[Organic brain syndrome] Hojaij CR. **Acta Psiquiatr Psicol Am Lat** 1984 Dec;30(4):275-80 (Eng. Abstr.) **(Por)**

BLOOD

Absence of age effect on plasma haloperidol neuroleptic levels in psychiatric patients. Aoba A, et al. **J Gerontol** 1985 May;40(3):303-8

Thyroid disease, behavior, and psychopharmacology. Wilson W, et al. **Psychosomatics** 1985 Jun;26(6):481-92

COMPLICATIONS

Organic delusions: phenomenology, anatomical correlations, and review. Cummings JL. **Br J Psychiatry** 1985 Feb; 146:184-97 (172 ref.)

[Clinico-dynamic features of neurotic and psychotic hysterical depressions in the late period of craniocerebral injuries] Belov VP, et al. **Zh Nevropatol Psikhiatr** 1985; 85(5):715-20 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Long-term effects of partial callosal lesions. Preliminary report. Oepen G, et al. **Acta Neurochir (Wien)** 1985; 77(1-2):22-8

Substantive and methodological issues in a rating of cognitive and psychological function in multiple sclerosis. Kaplan R. **Acta Neurol Scand [Suppl]** 1984;101:21-8

Use of rating scales to reflect cognitive and mental functioning in multiple sclerosis. Medaer R, et al. **Acta Neurol Scand [Suppl]** 1984;101:65-7

Experience in cognitive assessment in MS relevant to developing a simple rating system. Peyser JM. **Acta Neurol Scand [Suppl]** 1984;101:29-31

Cognitive and psychological assessment. Synopsis of discussions. Slater RJ. **Acta Neurol Scand [Suppl]** 1984; 10' 5-6

The dexamethasone suppression test in organic affective syndrome. Evans DL, et al. **Am J Psychiatry** 1984 Nov; 141(11):1465-7

The DST and organic affective disorder [letter] Fahs JJ. **Am J Psychiatry** 1985 Aug;142(8):991-2

Urinary free cortisol levels and dexamethasone suppression testing in organic affective disorder associated with hyperthyroidism. Kathol RG, et al. **Am J Psychiatry** 1985 Oct;142(10):1193-5

Missed diagnosis of organic mental syndromes in hospitalized medical patients [letter] Perry SW, et al. **Am J Psychiatry** 1985 Apr;142(4):525-6

Diagnosis of 'myxedema madness' [letter] Shaw E, et al. **Am J Psychiatry** 1985 May;142(5):655

Meningeal cryptococcosis misdiagnosed as a manic episode. Thienhaus OJ, et al. **Am J Psychiatry** 1984 Nov; 141(11):1459-60

Mitochondrial myopathy, encephalopathy, lactic acidosis, and strokelike episodes: a distinctive clinical syndrome. Pavlakis SG, et al. **Ann Neurol** 1984 Oct;16(4):481-8

Testing for memory disorder. Lawrence C. **Aust NZ J Psychiatry** 1984 Sep;18(3):207-10

Interpretation and use of the Luria-Nebraska Battery. Knippa J, et al. **Brain Cogn** 1984 Oct;3(4):343-8

Organic brain syndromes: new classification, concepts and prospects. Lipowski ZJ. **Can J Psychiatry** 1984 Apr; 29(3):198-204

Ocular motility, visual acuity and dysfunction of neuropsychological impairment in children with shunted uncomplicated hydrocephalus. Zeiner HK, et al. **Childs Nerv Syst** 1985;1(2):115-22

Physical illness and psychiatric disorders. Ananth J. **Compr Psychiatry** 1984 Nov-Dec;25(6):586-93

Prior cognitive problems as the key to treating a patient with resistant depression. Frances A, et al. **Hosp Community Psychiatry** 1985 Jan;36(1):11-2, 21

Mobile medical screening teams for public programs. Koran LM, et al. **Hosp Community Psychiatry** 1984 Nov; 35(11):1151-2

Neuropsychiatric sequelae of portal-systemic encephalopathy: a review. Tarter RE, et al. **Int J Neurosci** 1984 Nov;24(3-4):203-16

Ganser's syndrome. Agnihotri SS, et al. **J Assoc Physicians India** 1984 Sep;32(9):838-9

Perinatal, neurological, environmental and developmental characteristics of seven-year-old children with stable behaviour problems. McGee R, et al. **J Child Psychol Psychiatry** 1984 Oct;25(4):573-86

Memory for recent U.S. presidents in patients with cerebral disease. Hamsher KD, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):1-13

Identification of neuropsychological deficits in epilepsy using the Luria-Nebraska Neuropsychological Battery: a replication attempt. Hermann BP, et al. **J Clin Exp Neuropsychol** 1985 Jun;7(3):305-13

Utility of the Seashore Tonal Memory Test in neuropsychological assessment. Karzmark P, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):367-74

Comparison of three short forms of the Category Test. Sherrill RE Jr. **J Clin Exp Neuropsychol** 1985 Jun; 7(3):231-8

Contribution of the TPT to adult neuropsychological assessment: a review. Thompson LL, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):430-44

Differentiation of organics from functional psychiatric patients across various IQ ranges using the Bender-Gestalt and Hutt Scoring System. Hellkamp DT, et al. **J Clin Psychol** 1985 Mar;41(2):259-64

Human figure drawing ability and vestibular processing dysfunction in learning-disabled children. Ottenbacher K, et al. **J Clin Psychol** 1984 Jul;40(4):1084-9

Word Finding Test performance: effects of localization of cerebral damage, level of neuropsychological impairment, age, and education. Pendleton MG, et al. **J Clin Psychol** 1985 Jan;41(1):82-5

Relationships between measures of brain functions and general intelligence. Reitan RM. **J Clin Psychol** 1985 Mar; 41(2):245-53

Comparison of the TPT 10 and 6 hole form board. Russell EW. **J Clin Psychol** 1985 Jan;41(1):68-81

The effectiveness of the Weigl Color-Form Sorting Test in screening for brain dysfunction. Tamkin AS, et al. **J Clin Psychol** 1984 Nov;40(6):1454-9

Normative data on the WAIS-R for Selz and Reitan's index of scatter. Willson VL, et al. **J Clin Psychol** 1985 Mar; 41(2):254-8

Developmental analysis of the Wechsler Memory Scale. Zagar R, et al. **J Clin Psychol** 1984 Nov;40(6):1466-73

On the meaning of the WISC-R third factor: relations to selected neuropsychological measures. Ownby RL, et al. **J Consult Clin Psychol** 1985 Aug;53(4):531-4

Measurement of reaction time following minor head injury. MacFlynn G, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1326-31

Neurological and neuropsychological effects of cerebral spinal fluid shunting in children with assumed arrested ('normal pressure') hydrocephalus. Torkelson RD, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):799-806

Alterations in mentation: nursing assessment and intervention. Ozuna J. **J Neurosurg Nurs** 1985 Feb;17(1):66-70

Discrimination between organic and hepatic encephalopathy by means of continuous reaction times. Elsass P, et al. **Liver** 1985 Feb;5(1):29-34

Psychiatric assessment of children. I. Diagnostic method. Uddenberg G. **Neuropsychobiology** 1984;11(2):77-9

Subtle neuropsychological deficits in patients with good recovery after closed head injury. Stuss DT, et al. **Neurosurgery** 1985 Jul;17(1):41-7

Does the diagnosis of depression in head and neck cancer mask organic brain disease? Adams F, et al. **Otolaryngol Head Neck Surg** 1984 Dec;92(6):618-24

A multi-vantaged approach to measurement of behavioral and affect states for clinical and psychobiological research. Katz MM, et al. **Psychol Rep** 1984 Oct;55(2):619-71

Neuropsychiatric presentation of men with pituitary tumors (the 'four A's'). Cohen LM, et al. **Psychosomatics** 1984 Dec; 25(12):925-8

Detecting physical illness in patients with mental disorders. Hoffman RS, et al. **Psychosomatics** 1984 Sep;25(9):654-60

Delirium and depression [letter] Jones SD. **Psychosomatics** 1984 Dec;25(12):918

[Apropos of diagnostic difficulties in organic brain syndromes] Skurnik N, et al. **Ann Med Psychol (Paris)** 1985 Feb;143(2):204-10 **(Fre)**

[The Hamburg Rating Scale for psychiatric disorders following heart operations (HRPD)] Götze P, et al. **Eur Arch Psychiatry Neurol Sci** 1985;234(5):308-18 (Eng. Abstr.) **(Ger)**

[Phenomenology of the Klüver-Bucy syndrome in man] Aichner F. **Fortschr Neurol Psychiatr** 1984 Nov; 52(11):375-97 (Eng. Abstr.) **(Ger)**

[Correlation of computer tomographic findings and psychologic test results in patients with craniocerebral injury] Maier C. **Fortschr Neurol Psychiatr** 1984 Oct; 52(10):346-51 (Eng. Abstr.) **(Ger)**

[Pediatric neuropsychiatric characteristics of behaviorally abnormal children] Kinze W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Oct; 36(10):618-20 (Eng. Abstr.) **(Ger)**

[Possibilities and limits of cranial computerized tomography for clinical psychiatry] Platz T, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 May; 36(5):257-66 (Eng. Abstr.) **(Ger)**

[Experiences with the Meyer-Probst encephalopathy questionnaire] Schier E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 May; 37(5):291-9 (Eng. Abstr.) **(Ger)**

[Brain function disorders in 8-year-old children--from a field and consultation population] Schmidt MH. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jan;37(1):30-8 (Eng. Abstr.) **(Ger)**

[Frequency of neurologic-psychiatric findings in the late phase following minor and medium severe blunt craniocerebral injuries] Sörgel HJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Feb;37(2):65-74 (Eng. Abstr.) **(Ger)**

[Analysis of a patient population of the neurologic-psychiatric admission department of a central prison hospital] Schulte RM. **Psychiatr Prax** 1985 May; 12(3):78-83 (Eng. Abstr.) **(Ger)**

[The role of psychodiagnosis in clinical psychology and psychiatric neurology] Göth N. **Z Arztl Fortbild (Jena)** 1984;78(18):787-90 **(Ger)**

[Neuropsychological syndrome of hemorrhage into the right caudate nucleus] Maria G, et al. **Riv Neurol** 1985 Mar-Apr; 55(2):124-31 (Eng. Abstr.) **(Ita)**

[Case of peculiar neuropsychiatric symptoms as a sequela of head injury. Various studies of medial and inferior frontotemporal symptomatology] Hadano K, et al. **Seishin Shinkeigaku Zasshi** 1984;86(11):910-27 (Eng. Abstr.) **(Jpn)**

[Use of an organic brain damage rating scale in the diagnosis of psycho-organic syndromes] Jarema M, et al. **Psychiatr Pol** 1984 Sep-Oct;18(5):451-6 (Eng. Abstr.) **(Pol)**

[Neurotic and pseudoneurotic syndromes in patients with symptoms of organic brain damage] Kocur J, et al. **Wiad Lek** 1985 Jan 15;38(2):127-30 (Eng. Abstr.) **(Pol)**

[Manifestations of atherosclerosis of the cerebral vessels and their relation to mental changes in patients with a history of myocardial infarct] Beliakova NA, et al. **Klin Med (Mosk)** 1984 Nov;62(11):70-4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Involutional dementias: new perspectives. Borromei A, et al. **Ital J Neurol Sci** 1985 Jun;6(2):167-71

Propranolol in the treatment of assaultive patients with organic brain disease. Greendyke RM, et al. **J Clin Psychopharmacol** 1984 Oct;4(5):282-5

Double-blind, placebo-controlled, clinical, psychometric and neurophysiological investigations with oxiracetam in the organic brain syndrome of late life. Saletu B, et al. **Neuropsychobiology** 1985;13(1-2):44-52

Results of a phase II study of the antidepressant effect of rolipram. Zeller E, et al. **Pharmacopsychiatry** 1984 Nov; 17(6):188-90

Psychopharmacologic issues in the diagnosis and treatment of organic mental disorders. Hales RE, et al. **Psychiatr Clin North Am** 1984 Dec;7(4):817-29 (36 ref.)

Effects of naloxone on cognitive deficits following electroconvulsive therapy. Nasrallah HA, et al. **Psychopharmacol Bull** 1985;21(1):89-90

Effect of neuroleptic treatments on attention, information processing, and thought disorder. Spohn HE, et al. **Psychopharmacol Bull** 1985;21(3):582-7

[Mode of action of nootropic drugs] Estler CJ. **Med Monatsschr Pharm** 1985 Jun;8(6):172-7 **(Ger)**

ETIOLOGY

Medical factors in hyperactive and normal children: prenatal, developmental, and health history findings. Hartsough CS, et al. **Am J Orthopsychiatry** 1985 Apr;55(2):190-201

Development of an organic affective syndrome during a hyperbaric diving experiment. Stoudemire A, et al. **Am J Psychiatry** 1984 Oct;141(10):1251-4

The intensive care unit syndrome: causes, treatment, and prevention. Weber RJ, et al. **Drug Intell Clin Pharm** 1985 Jan;19(1):13-20 (98 ref.)

Increased intracranial pressure and depression in the elderly. Meyers BS. **J Am Geriatr Soc** 1984 Dec;32(12):936-8

The cost of surviving thrombotic thrombocytopenic purpura: case report. Greenberg DB, et al. **J Clin Psychiatry** 1984 Nov;45(11):477-9

Neurosyphilis and late onset mental changes in the elderly [letter] Ravi SD, et al. **J Clin Psychiatry** 1984 Nov;45(11):484

Mania resulting from brain stem tumor. Greenberg DB, et al. **J Nerv Ment Dis** 1985 Jul;173(7):434-6

Family crises following head injury: a network intervention strategy. Rogers PM, et al. **J Neurosurg Nurs** 1984 Dec;16(6):343-6

Head trauma, affective syndrome in a patient with MS [letter] Gillespie MP, et al. **Psychosomatics** 1985 Jun;26(6):531-2

Organic manic disorders. Stasiek C, et al. **Psychosomatics** 1985 May;26(5):394-6, 399, 402

[Calcium and calciotropic substances in psychiatry] Blahoš J, et al. **Cas Lek Cesk** 1984 Sep 7;123(36):1105-9 (Eng. Abstr.) **(Cze)**

[Significance of pregnancy and labor complications for the genesis of brain function disorders. Results of an epidemiologic study of 8-year-old children] Esser G, et al. **Geburtshilfe Frauenheilkd** 1985 Mar;45(3):161-6 (Eng. Abstr.) **(Ger)**

[Delayed radiation necrosis of the brain. A case with Klüver-Bucy syndrome] Ishii S, et al. **Rinsho Shinkeigaku** 1985 Apr;25(4):437-42 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of neurological and mental disorders in uremia] Martynov IuS, et al. **Klin Med (Mosk)** 1984 Aug;62(8):83-7 (Eng. Abstr.) **(Rus)**

[Mental disorders in craniocerebral injury] Dobrokhotova TA. **Vestn Akad Med Nauk SSSR** 1984;(12):36-46 (Eng. Abstr.) **(Rus)**

[Sequelae of closed cranio-cerebral injuries in childhood] Telengator AIa. **Vrach Delo** 1985 Jun;(6):84-5 (Eng. Abstr.) **(Rus)**

[Mental disorders in patients with unilateral frontal tumors] Belyĭ BI. **Zh Nevropatol Psikhiatr** 1985;85(2):224-32 (Eng. Abstr.) **(Rus)**

[Psychodynamic and psychiatric aspects of hemodialysis and kidney transplantation] Maletić A. **Lijec Vjesn** 1985 Jun;107(6):264-9 (Eng. Abstr.) **(Ser)**

[Possibility of psychogenesis in metabolic disorders] Knežević A. **Med Pregl** 1984;37(11-12):559-60 (Eng. Abstr.) **(Ser)**

[Obscure epileptic states in early childhood] Vučičević G. **Med Pregl** 1985;38(1-2):49-50 (Eng. Abstr.) **(Ser)**

FAMILIAL & GENETIC

Psychiatric assessment of children. II. Comparison with mothers. Uddenberg G, et al. **Neuropsychobiology** 1984;11(2):80-4

IMMUNOLOGY

Antineuronal antibodies in neuropsychiatric systemic lupus erythematosus. How A, et al. **Arthritis Rheum** 1985 Jul;28(7):789-95

MORTALITY

The Iowa record-linkage study. II. Excess mortality among patients with organic mental disorders. Black DW, et al. **Arch Gen Psychiatry** 1985 Jan;42(1):78-81

OCCURRENCE

[Conclusions from shifts in morbidity patterns of hospitalized children with neuropsychiatric diseases] Dober B, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 May;37(5):280-3 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Clinical correlates of septum pellucidum cavities: an unusual association with psychosis. Lewis SW, et al. **Psychol Med** 1985 Feb;15(1):43-54

[Side effects of bilateral electroconvulsive therapy--comparative clinico-computer tomographic study] Genz A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Apr;37(4):197-204 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Effects of localized lesions on the Verbal Concept Attainment Test. Bornstein RA, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):421-9

Can spatial deficits in Turner's syndrome be explained by focal CNS dysfunction or atypical speech lateralization? McGlone J. **J Clin Exp Neuropsychol** 1985 Aug;7(4):375-94

Methodological considerations in the use of attribute variables in neuropsychological research. Tupper DE, et al. **J Clin Neuropsychol** 1984 Nov;6(4):441-53

Intermanual information transfer in patients with lesions in the trunk of the corpus callosum. Bentin S, et al. **Neuropsychologia** 1984;22(5):601-11

[Effect of negative emotions on various links in visual-motor integration in man] Shostakovich GS, et al. **Zh Vyssh Nerv Deiat** 1985 Jan-Feb;35(1):73-80 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Neuropsychological deficits in early treated phenylketonuric children. Pennington BF, et al. **Am J Ment Defic** 1985 Mar;89(5):467-74

Medicolegal management of the organically impaired patient in the emergency department. Griglak MJ, et al. **Ann Emerg Med** 1985 Jul;14(7):685-9

Memory impairment in the elderly: a three-year follow-up. Parnetti L, et al. **Arch Gerontol Geriatr** 1985 Jul;4(2):91-100

Evidence for psychopathology in patients with rhythmic midtemporal discharges. Hughes JR, et al. **Biol Psychiatry** 1984 Dec;19(12):1623-34

The new Maudsley series of temporal lobectomy. I: Short-term cognitive effects. Powell GE, et al. **Br J Clin Psychol** 1985 May;24 (Pt 2):109-24

Feature-processing deficits following brain injury. I. Overselectivity in recognition memory for compound stimuli. Wayland S, et al. **Brain Cogn** 1985 Jul;4(3):338-55

Feature-processing deficits following brain injury. II. Classification learning, categorical decision making, and feature production. Wayland S, et al. **Brain Cogn** 1985 Jul;4(3):356-76

Delusional parasitosis and physical disease. Berrios GE. **Compr Psychiatry** 1985 Sep-Oct;26(5):395-403

Neuropsychological changes associated with stenoses or occlusions of the carotid arteries. A comparative psychometric study. Hamster W, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(1):69-73

Age and education do not affect the Caudality (Ca) Scale of the Minnesota Multiphasic Personality Inventory (MMPI). Horton AM Jr, et al. **Int J Neurosci** 1985 Jul;27(1-2):49-51

Effects of neonatal hyperbilirubinemia on Token Test performance of six-year-old children. Lenhardt ML. **J Aud Res** 1983 Jul;23(3):195-204

Some amnesic patients can freely recall large amounts of information in new contexts. Kovner R, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):395-411

WAIS and neuropsychological tests: common and unique variance within an epileptic population. Kupke T, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):353-66

Neuropsychological analysis of a case of reduplicative paramnesia. Patterson MB, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):111-21

Dissociation between the processing of affective and nonaffective faces: a case study. Bowers D, et al. **J Clin Neuropsychol** 1984 Nov;6(4):367-79

Psychological adjustment and neuropsychological performance in diabetic patients. Skenazy JA, et al. **J Clin Psychol** 1985 May;41(3):391-6

MMPI correlates of relatively localized brain damage. Woodward JA, et al. **J Clin Psychol** 1984 Jul;40(4):961-9

Neuropsychological findings in relapsing-remitting and chronic-progressive multiple sclerosis. Heaton RK, et al. **J Consult Clin Psychol** 1985 Feb;53(1):103-10

Neuropsychological functioning in children with immunodeficiency disorders. Gabel S, et al. **J Dev Behav Pediatr** 1985 Jun;6(3):154-6

Behavior disturbances during recovery from herpes simplex encephalitis [letter] Eames P. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1059-60

Behavioural manifestations of third ventricular colloid cysts. Lobosky JM, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1075-80

Neuropsychiatric symptoms in the course of Wegener's granulomatosis [letter] McKeith IG. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):713-4

Neuropsychological evaluation of mild head injury [letter] McMillan TM. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):847-8

Developing a brief neuropsychological mental status exam: a pilot study. Turner HB, et al. **J Neurosurg Nurs** 1984 Oct;16(5):257-61

Psychological functioning after severe closed head injury. Ellis DW, et al. **J Pers Assess** 1985 Apr;49(2):125-8

Cerebral function in hyperthyroid patients. Psychopathology, psychometric variables, central arousal and time perception before and after thyreostatic therapy. Zeitlhofer J, et al. **Neuropsychobiology** 1984;11(2):89-93

Encoding of spatial relations with amnesia. Hirst W, et al. **Neuropsychologia** 1984;22(5):631-4

Neurobehavioral outcome after gunshot wounds to the head in adult civilians and children. Kaufman HH, et al. **Neurosurgery** 1985 Jun;16(6):754-8

Language and visuospatial abilities in learning-disabled, brain-damaged, and nondisabled young adults. O'Donnell JP. **Percept Mot Skills** 1985 Jun;60(3):807-14

Hypoglycemia: the standard and the fiction. Anderson RW, et al. **Psychosomatics** 1985 Jan;26(1):38-40, 43, 47

Cerebral tumor presenting with panic attacks. Dietch JT. **Psychosomatics** 1984 Nov;25(11):861-3

Psychological and neuropsychological aspects of COPD. Greenberg GD, et al. **Psychosomatics** 1985 Jan;26(1):29-33

Psychiatric complications of closed head trauma. Kwentus JA, et al. **Psychosomatics** 1985 Jan;26(1):8-17

Somatopsychic aspects of medicated Addison's disease: case report. Archer RP, et al. **Va Med** 1985 Feb;112(2):117-9

[Transformation to an animal. Metamorphosis or metaphor? A delusional episode following brain contusion] Assal G. **Schweiz Arch Neurol Psychiatr** 1985;136(3):33-42 (Eng. Abstr.) **(Fre)**

[Neurologic and psychosocial disorders in children with brain tumors] Holldack J, et al. **Klin Padiatr** 1985 May-Jun;197(3):188-91 (Eng. Abstr.) **(Ger)**

[Psychopathology of Fahr syndrome] König P, et al. **Nervenarzt** 1984 Nov;55(11):607-12 **(Ger)**

[Patholinguistics of schizophrenic texts. A comparative study of schizophrenic, depressive, brain organic and healthy patients] Tress W, et al. **Nervenarzt** 1984 Sep;55(9):488-95 **(Ger)**

[Concomitant neuropsychiatric symptoms in a case of Ehlers-Danlos syndrome] Fehlow P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Apr;37(4):215-20 (Eng. Abstr.) **(Ger)**

[Psychometric studies on the specificity of psychological performance disorders of epileptic patients] Herzer H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jan;37(1):1-10 (Eng. Abstr.) **(Ger)**

[Intelligence and school success in 16-year-old risk children and in a control group] Springstein HJ. **Psychiatr Neurol Med Psychol (Leipz)** 1984 May;36(5):287-94 (Eng. Abstr.) **(Ger)**

[Rorschach studies on the so-called epileptic character change] Hunger J, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984;135(1):151-64 (Eng. Abstr.) **(Ger)**

[Primary brain tumors in psychiatry] Kocher R, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984;135(2):217-27 (Eng. Abstr.) **(Ger)**

[Psychological changes in multiple sclerosis] Frank C. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):12-7 (Eng. Abstr.) **(Ger)**

[Problem of alexithymia in psychosomatic disorders] Brzeziński R. **Psychiatr Pol** 1984 Jul-Aug;18(4):393-9 (40 ref.) **(Pol)**

[Variants of personal reactions to disease and features of the social-occupational adaptation of patients with neurosis-like forms of organic brain disease (from the findings of a multi-year follow-up study)] Koniukhova EN. **Zh Nevropatol Psikhiatr** 1985;85(1):111-6 (Eng. Abstr.) **(Rus)**

[Social-vocational adaptation of patients with neurosis-like forms of organic brain disease] Koniukhova EN. **Zh Nevropatol Psikhiatr** 1985;85(4):584-8 (Eng. Abstr.) **(Rus)**

REHABILITATION

Rehabilitation after severe brain injury: a follow-up study of a behaviour modification approach. Eames P, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):613-9

[Significance of the neuropsychiatric invalidism profile of the Ueckermünde district with reference to rehabilitation] Nitzsche M, et al. **Z Gesamte Hyg** 1984 Jul;30(7):377-9 (Eng. Abstr.) **(Ger)**

THERAPY

The effects of opening a geriatric psychiatry day hospital. Ballinger BR. **Acta Psychiatr Scand** 1984 Oct;70(4):400-3

Remediation of memory disorders: experimental evaluation of the spaced-retrieval technique. Schacter DL, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):79-96

Neuropsychology and behavior therapy. Horton AM Jr, et al. **Prog Behav Modif** 1985;19:1-55

[Results of therapeutic riding from the neuropsychiatric viewpoint] Schulz HD, et al. **Z Arztl Fortbild (Jena)** 1985;79(5):213 **(Ger)**

[Combined treatment of neurosis-like states in organic brain diseases] Shumlianskii IV, et al. **Vrach Delo** 1984 Nov;(11):111-3 **(Rus)**

ORGANIC MENTAL DISORDERS, DRUG-INDUCED see **ORGANIC MENTAL DISORDERS, SUBSTANCE-INDUCED**

ORGANIC MENTAL DISORDERS, PSYCHOTIC

see related
BRAIN DISEASES

COMPLICATIONS

Case report of de Clerembault syndrome, bipolar affective disorder, and response to lithium. Remington G, et al. **Am J Psychiatry** 1984 Oct;141(10):1285-7

[Alternating epileptic psychoses. Review of the literature and clinical cases] Torre E, et al. **Minerva Psichiatr** 1984 Oct-Dec;25(4):245-51 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

A case of Capgras' phenomenon. Wilcox JA. **Aust NZ J Psychiatry** 1984 Dec;18(4):391-2

De Clerambault's syndrome--a nosological entity? Ellis P, et al. **Br J Psychiatry** 1985 Jan;146:90-3

De Clerambault's syndrome--a nosological entity [letter] Munro A. **Br J Psychiatry** 1985 May;146:561

The schizophrenia-organicity (SC-O) and

psychiatric-organic (P-O) MMPI scales: a review. Watson CG. **J Clin Psychol** 1984 Jul;40(4):1008-23

Paranoid psychosis in myxoedema: a case report. Samuel W, et al. **Med J Malaysia** 1984 Jun;39(2):156-8

Neurobehavioral deficit and computed tomographic abnormalities in three samples of schizophrenic patients. Adams KM, et al. **Percept Mot Skills** 1984 Aug;59(1):115-9

The Trail Making Test and Canter Background Interference Procedure in screening for organicity in chronic schizophrenia: a preliminary report. Nadler IM, et al. **Percept Mot Skills** 1984 Oct;59(2):403-6

Neurologic complaints in the elderly. The challenge of diagnosis. Bernick C, et al. **Postgrad Med** 1985 Jun; 77(8):124-9, 132-3

Symptomatic and neuropsychological components of defect states. Bilder RM, et al. **Schizophr Bull** 1985;11(3):409-19

Computerized neurocognitive evaluation. Wanner AL, et al. **W Va Med J** 1985 Aug;81(8):155-7

[Cerebral atrophy, diagnosis using tomodensitometry compared with the new Wechsler intelligence scale in a psychiatric population] Meyers C, et al. **Acta Psychiatr Belg** 1984 May-Jun;84(3):207-17 (Eng. Abstr.) **(Fre)**

[Case of olfactory groove meningioma with 6-year psychiatric anamnesis] Rutkowska A, et al. **Pol Tyg Lek** 1985 Feb 11;40(6):167-9 (Eng. Abstr.) **(Pol)**

[Clinico-pneumoencephalographic correlations in patients with psycho-organic syndromes] Afeltowicz Z, et al. **Psychiatr Pol** 1984 Nov-Dec;18(6):549-54 (Eng. Abstr.) **(Pol)**

[Diagnostic criteria of dementia and characteropathy in the view of various Polish psychiatrists] Smoczyński S. **Psychiatr Pol** 1984 Jul-Aug;18(4):371-5 **(Pol)**

DRUG THERAPY

Tardive dyskinesia: a two-year follow-up study. Yassa R, et al. **Psychosomatics** 1984 Nov;25(11):852-5

ETIOLOGY

The psychiatric aspect of hypophosphatemia. Nanji AA. **Can J Psychiatry** 1984 Nov;29(7):599-600

Sheehan's syndrome with psychosis. Thomas MJ, et al. **J Assoc Physicians India** 1985 Feb;33(2):175-6

Acute organic psychosis caused by thyrotoxicosis and vitamin B12 deficiency: case report. Lassen E, et al. **J Clin Psychiatry** 1985 Mar;46(3):106-7

Neurosarcoidosis presenting as major depression [letter] Stiller J, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep; 47(9):1050-1

Sylvian lipoma causing auditory hallucinations: case report. Dyck P. **Neurosurgery** 1985 Jan;16(1):64-7

Commentary on tardive dysmentia. Mukherjee S, et al. **Schizophr Bull** 1985;11(2):189-90

[Paranoid symptoms in functional disorders of the hypothalamus] Faltus F, et al. **Cesk Psychiatr** 1984 Aug; 80(4):255-8 (Eng. Abstr.) **(Cze)**

[Amential delirium syndrome as a complication of cardiosurgical procedures] Krekule P. **Cesk Psychiatr** 1984 Oct;80(5):335-9 (Eng. Abstr.) **(Cze)**

[Bicameral model of the brain and endogenous psychoses] Kubacki A. **Psychiatr Pol** 1984 Nov-Dec;18(6):589-98 (40 ref.) **(Pol)**

[Paranoid syndrome in Bourneville's disease] Mrowiec W, et al. **Wiad Lek** 1985 May 1;38(9):674-6 **(Pol)**

[Psychoneurological disorders in patients with severe forms of herpes of the skin and mucous membranes] Golodets RG, et al. **Vestn Dermatol Venerol** 1985 May;(5):57-60 (Eng. Abstr.) **(Rus)**

[Postoperative psychoses in heart surgery] Efremenkov EA, et al. **Vestn Khir** 1984 Dec;133(12):7-9 (Eng. Abstr.) **(Rus)**

[Clinical variants of cerebral disorders in chronic renal failure] Rudenko TV. **Vrach Delo** 1985 Mar;(3):68-70 (Eng. Abstr.) **(Rus)**

[Acute exogenous psychosis caused by a cerebrovascular accident. Experience with 9 patients] Donoso A, et al. **Rev Med Chil** 1984 Oct;112(10):1017-20 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Biobehavioral risk factors in children of schizophrenic parents. Erlenmeyer-Kimling L, et al. **J Autism Dev Disord** 1984 Dec;14(4):357-74

METABOLISM

[Episodic psychoses, porphyria and amino acid metabolism] Pepplinkhuizen L, et al. **Ned Tijdschr Geneeskd** 1985 Feb 2;129(5):212-6 (Eng. Abstr.) **(Dut)**

[A biochemical theory of schizophrenia] Kornhuber HH, et al. **Nervenarzt** 1984 Nov;55(11):602-6 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Delirium and other organic mental disorders in a general hospital. Trzepacz PT, et al. **Gen Hosp Psychiatry** 1985 Apr;7(2):101-6

PATHOLOGY

Abnormalities of brain structure and density in schizophrenia. Largen JW Jr, et al. **Biol Psychiatry** 1984 Jul; 19(7):991-1013

The diencephalon in schizophrenia: evidence for reduced thickness of the periventricular grey matter. Lesch A, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(4):212-9

[Neuropathology of schizophrenias] Bogerts B. **Fortschr Neurol Psychiatr** 1984 Dec;52(12):428-37 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Episodic behavioral disorders and limbic ictus. Monroe RR. **Compr Psychiatry** 1985 Sep-Oct;26(5):466-79

Limbic seizures, kindling, and psychosis: a link between neurobiology and clinical psychiatry. Rubin EH, et al. **Compr Ther** 1985 Jul;11(7):54-8

A study of cerebral blood flow and metabolism in epileptic psychosis using positron emission tomography and oxygen. Gallhofer B, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):201-6

PSYCHOLOGY

Neuropsychological findings relating to Capgras syndrome. Morrison RL, et al. **Biol Psychiatry** 1984 Jul;19(7):1119-28

Neurobehavioral approach to classification of psychiatric patients using a competency model. Townes BD, et al. **J Consult Clin Psychol** 1985 Feb;53(1):33-42

Somatic illness in manic-depressive and schizophrenic patients. Ghadirian AM, et al. **J Psychosom Res** 1985; 29(3):281-6

Flicker fusion frequency and organic syndrome in alcoholics. Pillunat LE, et al. **Percept Mot Skills** 1985 Apr; 60(2):487-94

Psychiatric complications of closed head trauma. Kwentus JA, et al. **Psychosomatics** 1985 Jan;26(1):8-17

Psychiatric symptoms in Behçet's syndrome. Uhl V, et al. **Psychosomatics** 1985 Jun;26(6):547-9

[Epileptic patients in the psychiatric clinic. From twilight attacks to psychosis] Bash KW, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(4):237-49 (Eng. Abstr.) **(Ger)**

[Clinico-psychologic studies on the problem of functional psychotic deterioration in schizophrenia] Kohlmann-Joss M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Jan; 37(1):11-21 (Eng. Abstr.) **(Ger)**

[Confabulation and frontal lobe injury--considerations with regard to a particular form of post-traumatic amnesia syndrome] Kotapka-Minc S. **Neurol Neurochir Pol** 1985 Jan-Feb;19(1):30-5 (Eng. Abstr.) **(Pol)**

[Sadistic behavior in sex offenders] Ponikiewska W, et al. **Psychiatr Pol** 1984 May-Jun;18(3):289-93 **(Pol)**

[Paranoia erotica as a cause of persecution and abuse] Alexius B. **Lakartidningen** 1985 Jun 19;82(25):2324-6 **(Swe)**

THERAPY

Disturbed behaviour in old age [editorial] Prinsley DM. **Med J Aust** 1985 Sep 16;143(6):228-9

ORGANIC MENTAL DISORDERS, SUBSTANCE-INDUCED

CEREBROSPINAL FLUID

Vasoactive intestinal polypeptide (VIP) in cerebrospinal fluid from men after long-term exposure to organic solvents. Johansson BB, et al. **Acta Neurol Scand** 1984 Oct; 70(4):317-8

Cerebrospinal fluid proteins and cells in men subjected to long-term exposure to organic solvents. Wikkelsø C, et al. **Acta Neurol Scand [Suppl]** 1984;100:113-9

DIAGNOSIS

A multivariate analysis of psychological, clinical and CT scanning measures in detoxified chronic alcoholics. Acker W, et al. **Br J Addict** 1984 Sep;79(3):293-301

Quinidine-induced organic mental disorders. Billig N, et al. **J Am Geriatr Soc** 1985 Jul;33(7):504-6

Neuropsychological impairment and behavioral limitations exhibited within an alcohol treatment program. Kupke T, et al. **J Clin Exp Neuropsychol** 1985 Jun;7(3):292-304

Older alcoholics: profile of decline. Hamblin DK, et al. **J Clin Psychol** 1984 Nov;40(6):1510-6

Cognitive deficits and their relationship to other neurological complications in chronic alcoholic patients. Franceschi M, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct; 47(10):1134-7

Delirium and depression [letter] Jones SD. **Psychosomatics** 1984 Dec;25(12):918

The Halstead-Reitan neuropsychological test battery. Description and application. Bergman H. **Scand J Work Environ Health** 1984;10 Suppl 1:30-2

Description of the tests in the London School of Hygiene test battery. Cherry N, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:18-9

Neuropsychological investigation with Luria's methods. Christensen AL. **Scand J Work Environ Health** 1984;10 Suppl 1:33-4

Test battery for investigating functional disorders--the TUFF battery. Ekberg K, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:14-7

Cognitive approaches to neuropsychological assessment. Ekberg K. **Scand J Work Environ Health** 1984;10 Suppl 1:36-8

Neuropsychological assessment in behavioral toxicology--developing techniques and interpretative issues. Lezak MD. **Scand J Work Environ Health** 1984;10 Suppl 1:25-9

The Rorschach test in behavioral toxicology. Lindström K. **Scand J Work Environ Health** 1984;10 Suppl 1:20-3

The measurement of subjective symptoms. Sjöberg L. **Scand J Work Environ Health** 1984;10 Suppl 1:39-43

[Organic psychosyndrome with and without lithium therapy] Schöny W, et al. **Wien Med Wochenschr** 1985 Jun 15; 135(11):281-4 (Eng. Abstr.) **(Ger)**

[Psychodiagnosis in lead, mercury and manganese exposure--a report of experiences] Seeber A, et al. **Z Gesamte Hyg** 1984 Dec;30(12):702-6 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

High-dose neuroleptics for acute brain failure after intensive chemotherapy for acute leukemia. Andersson BS, et al. **Acta Psychiatr Scand** 1984 Sep;70(3):193-7

Treatment of metrizamide-induced mania. Israel JR, et al. **NC Med J** 1984 Dec;45(12):759

ETIOLOGY

Organic affective illness associated with lead intoxication. Schottenfeld RS, et al. **Am J Psychiatry** 1984 Nov; 141(11):1423-6

Does moderate drinking cause mental impairment? [editorial] Robertson I. **Br Med J [Clin Res]** 1984 Sep 22; 289(6447):711-2

Early morning insomnia, daytime anxiety, and organic mental disorder associated with triazolam. Tan TL, et al. **J Fam Pract** 1985 Jun;20(6):592-4

Vidarabine encephalopathy. Cullis PA, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1351-4

Multiple adverse reactions following metrizamide myelography [letter] Paschalis C, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):720

Risk of encephalopathia among retired solvent-exposed workers. A case-control study among males applying for nursing home accommodation or other types of social support facilities. Rasmussen H, et al. **J Occup Med** 1985 Aug;27(8):561-6

Psychiatric side-effects with acyclovir [letter] Bataille P, et al. **Lancet** 1985 Sep 28;2(8457):724

British studies on the neuropsychological effects of solvent exposure. Cherry N, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:10-2

Current research in behavioral toxicology in Scandinavia. Hane M, et al. **Scand J Work Environ Health** 1984;10 Suppl 1:8-9

Tardive dysmentia : further comments. Jones BD. **Schizophr Bull** 1985;11(2):187-9

Catatonia and encephalopathy following a disulfiram overdose. Wilson WH. **Wis Med J** 1984 Sep;83(9):15-6

[Side effects of antitubercular drugs in patients with pulmonary tuberculosis and chronic alcoholism] Rudoi NM, et al. **Sov Med** 1984;(8):7-10 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Neuropsychological differences between male familial and nonfamilial alcoholics and nonalcoholics. Schaeffer KW, et al. **Alcoholism (NY)** 1984 Jul-Aug;8(4):347-51

PHYSIOPATHOLOGY

Akinesia, tardive dysmentia, and frontal lobe disorder in schizophrenia. Goldberg E. **Schizophr Bull** 1985; 11(2):255-63

PSYCHOLOGY

Primary affective disorder, drug abuse, and neuropsychological impairment in sober alcoholics. Clark DC, et al. **Alcoholism (NY)** 1984 Jul-Aug;8(4):399-404

Clinical limitations of neuropsychological testing in predicting treatment outcome among alcoholics. Donovan DM, et al. **Alcoholism (NY)** 1984 Sep-Oct;8(5):470-5

Spatial aspects of memory implicated in face drawings of alcoholic men. Pontius AA. **Ann NY Acad Sci** 1985; 444:475-7

Assessing the influence of confounding subject variables in neuropsychological research in alcoholism and related disorders. Alterman AI, et al. **Int J Neurosci** 1985 Apr; 26(1-2):75-84

Lead and children's health--recent research and future questions. Harvey PG. **J Child Psychol Psychiatry** 1984 Oct;25(4):517-22

Relationship of neuropsychological performance to primary alcoholism and self-reported symptoms of childhood minimal brain dysfunction. De Obaldia R, et al. **J Stud Alcohol** 1984 Sep;45(5):386-92

Derivation and validation of neuropsychological clusters among men alcoholics. Donovan DM, et al. **J Stud Alcohol** 1985 May;46(3):205-11

Effect of age, sex, drinking history and antisocial personality on neuropsychology of alcoholics. Hesselbrock MN, et al. **J Stud Alcohol** 1985 Jul;46(4):313-20

Organic personality syndrome caused by insulin-related nocturnal hypoglycemia. Krahn DD, et al.

Psychosomatics 1984 Sep;25(9):711-2

[Processing of negatively formulated sentences in 'formal thought disorders'. A comparative study] Funke K, et al. **Z Psychol** 1984;192(2):134-50 (Eng. Abstr.) **(Ger)**

THERAPY

[Hyperbaric oxygenation treatment of the after-effects of carbon monoxide poisoning] Funatsu K, et al. **Dtsch Med Wochenschr** 1985 Jan 25;110(4):140-3 (Eng. Abstr.) **(Ger)**

ORGANIZATION AND ADMINISTRATION

Analysis of a unit management team's first year of business. Morgan R. **Br Med J [Clin Res]** 1984 Oct 20; 289(6451):1090-1

The organizational effectiveness paradigm in health care management. Bedard JC, et al. **Health Care Manage Rev** 1984 Fall;9(4):67-75

Family members as monitors in a state mental hospital. Reiter M, et al. **Hosp Community Psychiatry** 1985 Apr;36(4):393-5

JCAH Board of Commissioners approves changes regarding medical staff bylaws. Affeldt JE. **Hospitals** 1985 May 16; 59(10):124

President's page: long-range planning. Watson DR. **J Am Diet Assoc** 1985 Mar;85(3):358-60

Team building: key to executive success. Jacobsen-Webb ML. **J Nurs Adm** 1985 Feb;15(2):16-20

The impact of health and safety committees. A study based on survey, interview, and Occupational Safety and Health Administration data. Boden LI, et al. **J Occup Med** 1984 Nov;26(11):829-34

Consensus management in the British National Health Service: implications for the United States? Schulz R, et al. **Milbank Mem Fund Q** 1984 Fall;62(4):657-81

Organizational change and quality assurance in a psychiatric setting. Kagan RM. **QRB** 1984 Sep;10(9):269-77

ECONOMICS

Financial incentives for middle managers: pilot program in an inner city, municipal teaching hospital. Shyavitz L, et al. **Health Care Manage Rev** 1985 Summer;10(3):37-44

METHODS

Task and structural correlates of organizational effectiveness in private psychiatric hospitals. Mark B. **Health Serv Res** 1985 Jun;20(2):199-224

ORGANIZATIONAL AFFILIATION

Academia-industry dialogue: a step toward mutual understanding. Becker RE. **Circulation** 1985 Aug;72(2 Pt 2):I53-6

Academic-industrial relations in the United Kingdom. Dollery CT. **Circulation** 1985 Aug;72(2 Pt 2):I51-2

The pharmaceutical industry and academic medicine: opportunities for physician collaboration. Jefferis JE. **Circulation** 1985 Aug;72(2 Pt 2):I21-4

Institutional review boards and collaborations between academia and industry: some counterproductive policies and practices. Levine RJ. **Circulation** 1985 Aug;72(2 Pt 2):I48-50

A university administrator's view of academia--industry collaboration. Mullins CB. **Circulation** 1985 Aug;72(2 Pt 2):I8-12

Shared responsibility in clinical research. Nightingale SL. **Circulation** 1985 Aug;72(2 Pt 2):I25-30

Industry and academia in collaboration: the Pfizer experience. Price FD. **Circulation** 1985 Aug;72(2 Pt 2):I13-7

Principles of partnership in research. Schlant RC. **Circulation** 1985 Aug;72(2 Pt 2):I18-20

The pharmaceutical industry and academic medicine in collaboration. Wroblewski R. **Circulation** 1985 Aug;72(2 Pt 2):I3-7

Independent versus system-affiliated hospitals: a comparative analysis of financial performance, cost, and productivity. Levitz GS, et al. **Health Serv Res** 1985 Aug;20(3):315-39

Affiliations with multis: rurals becoming picky. Powills S. **Hospitals** 1985 Sep 1;59(17):41-2

Academic affiliation with a nursing home. Impact on patient outcome. Jahnigen DW, et al. **J Am Geriatr Soc** 1985 Jul; 33(7):472-8

Involvement of proprietary chains in academic health centers. Reading A. **N Engl J Med** 1985 Jul 18;313(3):194-7

The Rutgers experience: one perspective on service-education collaboration. Joel L. **Nurs Outlook** 1985 Sep-Oct;33(5):220-4

[Cooperation between hospitals and outpatient clinics] Gomel'skaia GL, et al. **Sov Zdravookhr** 1985;(4):29-32 **(Rus)**

LEGISLATION & JURISPRUDENCE

Academia-industry collaborative research programs--a legal perspective. Miller PS. **Circulation** 1985 Aug;72(2 Pt 2):I41-3

ORGANIZATIONAL INNOVATION see under
ORGANIZATION AND ADMINISTRATION

ORGANIZATIONAL OBJECTIVES see under
ORGANIZATION AND ADMINISTRATION

ORGANIZATIONS

Organizations and institutions concerned with patients with genetic disorders or with birth defects in the Federal Republic of Germany. Küster W. **Am J Med Genet** 1985 Mar;20(3):547-53

1985 Directory of Nursing Organizations. **Am J Nurs** 1985 Apr;85(4):493-500

European Malignant Hyperpyrexia Group [editorial] Ellis FR. **Br J Anaesth** 1984 Nov;56(11):1181-2

Occupational disease. Problems of risk assessment. Yodaiken RE. **Clin Lab Med** 1984 Sep;4(3):475-82

The administration of gymnastics in the United States. Szypula G. **Clin Sports Med** 1985 Jan;4(1):7-15

A movement of inverts: an early plan for a homosexual organization in the United States. Haeberle EJ. **J Homosex** 1984 Fall;10(1-2):127-33

Physicians' group seeks nuclear arms ban [news] Litwin MS. **JAMA** 1985 Aug 2;254(5):586-7, 591

Physicians' antinuclear war group expanding to include child health [news] Ziporyn T, et al. **JAMA** 1985 Aug 2; 254(5):585-7

Institutional sources of articles published in 13 nursing journals, 1978-1982. Hayter J. **Nurs Res** 1984 Nov-Dec; 33(6):357-62

Role of national organizations in the education and evaluation of professionals who care for children. Burg FD. **Pediatrics** 1985 Jul;76(1):119-24

IOM's future under review [news] Norman C. **Science** 1985 Mar 8;227(4691):1186

[European Research Organization on the Treatment of Cancer. Collaborative research and the Data Analysis Center] Tagnon HJ. **Bull Mem Acad R Med Belg** 1984; 139(2):145-8 (Eng. Abstr.) **(Fre)**

[INSERM--the elite of medicine and health research] Schneider RE. **Fortschr Med** 1984 Nov 8;102(41):100-1 **(Ger)**

ORGANIZATIONS, NONPROFIT

Support for prenatal decision following an abnormal amniocentesis: structure, dynamics, and outreach. Park PA. **Birth Defects** 1984;20(6):91-5

Experiences of a small private organization: Association for the Prevention of Blindness in India and Bangladesh. Wagner E. **Doc Ophthalmol** 1984 Jun 15;57(4):323-6

The cosmetic ingredient review--a safety evaluation program. Elder RL. **J Am Acad Dermatol** 1984 Dec; 11(6):1168-74

VOSH revisited. Rose SB. **J Am Optom Assoc** 1984 Sep; 55(9):671-5

New U of I eye center becomes Lions' pride [news] Goldsmith MF. **JAMA** 1985 Oct 4;254(13):1687-8

Doubts about IPPNW [letter] van der Sluis I, et al. **Lancet** 1985 Mar 30;1(8431):758

ECONOMICS

Brendoncare: an initiative in the care of the elderly. Smith T. **Br Med J [Clin Res]** 1984 Oct 6;289(6449):909-10

HISTORY

['Patronat' in Cracow during the occupation (session from the 16th meeting in 1984)] Klodziński S. **Przegl Lek** 1985; 42(1):160-6 **(Pol)**

[Nursing education of girl scouts in occupied Kielce district] Kołodziejczyk B. **Przegl Lek** 1985;42(1):66-72 **(Pol)**

ORGANOCHLORINE INSECTICIDES see
INSECTICIDES, ORGANOCHLORINE

ORGANOIDS

see related
CELL COMPARTMENTATION

Properties and characterization of vesicles released by young and old human red cells. Snyder LM, et al. **Br J Haematol** 1985 Mar;59(3):513-22

DRUG EFFECTS

Modification of the function of cardiac subcellular organelles by insulin. Pierce GN, et al. **Adv Myocardiol** 1985;6:113-25

Disobutamide-induced cytoplasmic vacuoles in cultured dog coronary artery muscle cells. Ruben Z, et al. **Arch Toxicol** 1984 Sep;55(3):206-12

Colchicine-induced tubular, vesicular and cisternal organelle aggregates in absorptive cells of the small intestine of the rat. I. Morphology and phosphatase cytochemistry. Ellinger A, et al. **Biol Cell** 1984;52(1 Pt A):43-52

Effects of the uncoupling agents FCCP and CCCP on the saltatory movements of cytoplasmic organelles. Hollenbeck PJ, et al. **Cell Biol Int Rep** 1985 Feb;9(2):193-9

Effect of amino acids and cycloheximide on changes caused by vinblastine, leupeptin and methylamine in the autophagic/lysosomal system of mouse hepatocytes in vivo. Kovács AL, et al. **Exp Cell Res** 1985 Mar;157(1):83-94

Evolution of the intracellular changes in neurons caused by trimethyltin. Brown AW, et al. **Neuropathol Appl Neurobiol** 1984 Jul-Aug;10(4):267-83

ENZYMOLOGY

Cross-linking of the enzymes in the glycosome of Trypanosoma brucei. Aman RA, et al. **J Biol Chem** 1985 Jun 10;260(11):6966-73

Purification and properties of H+-translocating, Mg2+-adenosine triphosphatase from vacuolar membranes of Saccharomyces cerevisiae. Uchida E, et al. **J Biol Chem** 1985 Jan 25;260(2):1090-5

Similarities and differences between the tonoplast-type and the mitochondrial H+-ATPases of oat roots. Wang Y, et al. **J Biol Chem** 1985 Sep 5;260(19):10434-43

[ATPase in the basal bodies of Tetrahymena pyriformis] Burnasheva SA, et al. **Dokl Akad Nauk SSSR** 1984 Jul-Aug;277(1):235-9 **(Rus)**

IMMUNOLOGY

Distribution and organelle specificity of melanoma-associated antigens identified by Mo 465.12 in human malignant melanoma. Maeda K, et al. **Cancer** 1985 Feb 15;55(4):721-7

Drug-induced hepatitis associated with anticytoplasmic organelle autoantibodies. Homberg JC, et al. **Hepatology** 1985 Sep-Oct;5(5):722-7

Induction by drugs of hepatitis and autoantibodies to cell organelles: significance and interpretation. Mackay IR. **Hepatology** 1985 Sep-Oct;5(5):904-6

METABOLISM

Light harvesting by phycobilisomes. Glazer AN. **Annu Rev Biophys Biophys Chem** 1985;14:47-77 (132 ref.)

Effect of unsaturated fatty acids on protoporphyrinogen oxidation, a step in heme and chlorophyll synthesis in plant organelles. Jacobs JM, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):1157-64

EPR studies on the photosystem II donor side in salt-washed and reconstituted inside-out thylakoids. Jansson C, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):269-76

ATP-dependent calcium accumulation by non-mitochondrial organelles of axoplasm isolated from Myxicola giant axons. Ortiz OE, et al. **Biochim Biophys Acta** 1985 Mar 28;814(1):13-22

Identification and characterization of ATP-dependent proton transport by rat liver multivesicular bodies. Van Dyke RW, et al. **J Biol Chem** 1985 Sep 15;260(20):11021-6

Discoidin I, an endogenous lectin, is externalized from Dictyostelium discoideum in multilamellar bodies. Barondes SH, et al. **J Cell Biol** 1985 Jun;100(6):1825-33

Dihydropyridine binding sites on transverse tubules isolated from triads of rabbit skeletal muscle. Brandt NR, et al. **J Recept Res** 1985;5(2-3):155-70

The enzymology and intracellular organization of peptide precursor processing: the secretory vesicle hypothesis. Gainer H, et al. **Neuroendocrinology** 1985 Feb;40(2):171-84 (104 ref.)

Microinjection of isolated lysosomes: a model for studying autophagic sequestration of cell organelles. Berkenstam A, et al. **Prog Clin Biol Res** 1985;180:463-6

Comparison of proteolysis in perfused rat liver and in isolated autophagic vacuoles. Henell F, et al. **Prog Clin Biol Res** 1985;180:457-60

[Proton pump of vacuolar system] Ohkuma S. **Seikagaku** 1984 Dec;56(12):1499-509 (91 ref.) **(Jpn)**

[Vesicular transport of nutrients in the small intestine during natural feeding] Morozov IA, et al. **Vopr Pitan** 1985 May-Jun;(3):42-9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Absence of vacuolization of upper epidermal cells in nonbullous congenital ichthyosiform erythroderma [letter] Williams ML, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):126-7

[Meningioma with vacuolated component. A contribution to the pathogenesis of the cyst formation in meningioma--report of two cases] Orita T, et al. **Neurol Med Chir (Tokyo)** 1985 Jun;25(6):479-83 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

In vitro translocation of organelles along microtubules. Schroer TA, et al. **Cell** 1985 Apr;40(4):729-30 (25 ref.)

Organelle, bead, and microtubule translocations promoted by soluble factors from the squid giant axon. Vale RD, et al. **Cell** 1985 Mar;40(3):559-69

Cytosolic free Ca2+ in insulin secreting cells and its regulation by isolated organelles. Prentki M, et al. **Experientia** 1984 Oct 15;40(10):1052-60 (105 ref.)

Endocytosis and exocytosis: current concepts of vesicle traffic in animal cells. Willingham MC, et al. **Int Rev Cytol** 1984;92:51-92 (246 ref.)

Endosomes and Golgi vesicles in adsorptive and fluid phase endocytosis. Gonatas NK, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1379-90

Fluorescent markers for studying phagosome-lysosome fusion. Goren MB, et al. **J Leukocyte Biol** 1984 Sep; 36(3):273-92

Rapid mobility of motile varicosities and inclusions containing alpha-spectrin, actin, and calmodulin in regenerating axons in vitro. Koenig E, et al. **J Neurosci** 1985 Mar;5(3):715-29

Organelle transport. A third front for cell motility [news]

Hollenbeck PJ. **Nature** 1985 Sep 5-11;317(6032):17-8

Serotonin-containing cell charged with growth cone arrests. Meinertzhagen IA. **Nature** 1985 Jan 31-Feb 6; 313(6001):348-9

Pathogenesis of mouse scrapie: dynamics of vacuolation in brain and spinal cord after intraperitoneal infection. Cole S, et al. **Neuropathol Appl Neurobiol** 1985 May-Jun; 11(3):213-27

Direct visualization of organelle movement along actin filaments dissociated from characean algae. Kachar B. **Science** 1985 Mar 15;227(4692):1355-7

ULTRASTRUCTURE

Intranuclear vacuoles in nonpapillary carcinoma of the thyroid. A report of three cases. Lew W, et al. **Acta Cytol (Baltimore)** 1984 Sep-Oct;28(5):581-6

Follicular adenoma of the thyroid with intranuclear vacuoles and clear nuclei. A case report. Zirkin HJ. **Acta Cytol (Baltimore)** 1984 Sep-Oct;28(5):587-92

Coated pits and coated vesicles in unicellulars (Tetrahymena, Crithidia) and in Hydra. Csaba G, et al. **Acta Morphol Hung** 1984;32(3-4):181-6

Analysis of number, size and distribution patterns of lipid vacuoles in benign and malignant mesothelial cells. Boon ME, et al. **Anal Quant Cytol** 1984 Dec;6(4):221-6

Autosomal recessive distal muscular dystrophy: a comparative study with distal myopathy with rimmed vacuole formation. Nonaka I, et al. **Ann Neurol** 1985 Jan; 17(1):51-9

Cyanobacterial cell inclusions. Allen MM. **Annu Rev Microbiol** 1984;38:1-25 (151 ref.)

The formation of annulate lamellae in the human Sertoli cell. Paniagua R, et al. **Arch Androl** 1984;13(1):9-14

On the nature and the role of the subsurface vesicles in the outer epithelial cells of the conjunctiva. Dilly PN. **Br J Ophthalmol** 1985 Jul;69(7):477-81

Type IV melanosomes of the human albino iris. McCartney AC, et al. **Br J Ophthalmol** 1985 Jul;69(7):537-41

The recovery of organelle transport and microtubule integrity in myelinated axons that are frozen and thawed. Smith RS, et al. **Can J Physiol Pharmacol** 1985 Apr; 63(4):292-7

Monomolecular surface film and tubular myelin figures of the pulmonary surfactant in hamster lung. Nakamura H, et al. **Cell Tissue Res** 1985;241(3):523-8

Morphometric analysis of the isolated calcium-tolerant cardiac myocyte. Organelle volumes, sarcomere length, plasma membrane surface folds, and intramembrane particle density and distribution. Severs NJ, et al. **Cell Tissue Res** 1985;240(1):159-68

Effects of temperature and bright light on myeloid bodies in the retinal pigment epithelium of the newt, Notophthalmus viridescens. Yorke MA, et al. **Cell Tissue Res** 1985;241(3):623-8

Vacuolation and infection thread in root nodules of soybean. Bal AK. **Cytobios** 1985;42(165):41-7

The morphology of endosomes in giant HeLa cells. Bretscher MS, et al. **Eur J Cell Biol** 1985 May;37:78-80

Three-dimensional features of the striated organelle in the vestibular hair cell. Arima T, et al. **Hear Res** 1985 Apr; 18(1):15-8

Initiation and ontogeny of vesicles in cultured Frankia sp. strain HFPArI3. Fontaine MS, et al. **J Bacteriol** 1984 Dec; 160(3):921-7

Influence of the centrosome on the structure of nucleated microtubules. Evans L, et al. **J Cell Biol** 1985 Apr; 100(4):1185-91

Isolation and characterization of multivesicular bodies from rat hepatocytes: an organelle distinct from secretory vesicles of the Golgi apparatus. Hornick CA, et al. **J Cell Biol** 1985 May;100(5):1558-69

Bidirectional organelle transport can occur in cell processes that contain single microtubules. Koonce MP, et al. **J Cell Biol** 1985 Jan;100(1):322-6

A Chinese hamster ovary cell mutant with a heat-sensitive, conditional-lethal defect in vacuolar function. Marnell MH, et al. **J Cell Biol** 1984 Dec;99(6):1907-16

A single mutation in Chinese hamster ovary cells impairs both Golgi and endosomal functions. Robbins AR, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1296-308

Diminution of microtubular organelles after experimental reduction in cell size in the ciliate, Dileptus. Golinska K. **J Cell Sci** 1984 Aug;70:25-39

Comparative freeze-fracture study of perialgal and digestive vacuoles in Paramecium bursaria. Meier R, et al. **J Cell Sci** 1984 Oct;71:121-40

Mutational analysis of patterning of oral structures in Tetrahymena. II. A graded basis for the individuality of intracellular structural arrays. Frankel J, et al. **J Embryol Exp Morphol** 1984 Aug;82:67-95

Mutational analysis of patterning of oral structures in Tetrahymena. I. Effects of increased size on organization. Frankel J, et al. **J Embryol Exp Morphol** 1984 Aug;82:41-66

Differentiation and distribution of annulate lamellae in growing oocytes in the newt, Cynops pyrrhogaster. Imoh H, et al. **J Exp Zool** 1985 May;234(2):261-71

Ultrastructural localization of intracellular immunoglobulins in Epon-embedded human lymph nodes. An immunoelectron microscopic investigation using the immunogold staining (IGS) and the avidin-biotin-peroxidase complex (ABC) methods. Viale G, et al. **J Histochem Cytochem** 1985 May;33(5):400-6

Finnish type of sialic acid storage disease with sialuria (Salla disease): the occurrence and diagnostic significance of cytoplasmic vacuoles in blood lymphocytes. Similä S, et al. **J Ment Defic Res** 1985 Jun;29 (Pt 2):179-86

Presence of an osmiophilic feltwork distinct from the Golgi apparatus in spinal ganglion cells of the rat. Rambourg A, et al. **J Neurocytol** 1984 Dec;13(6):911-21

The pH dependence of disobutamide-induced clear cytoplasmic vacuoles in cultured cells. Ruben Z, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):84-91

Glycocalyx and glycocalyceal bodies in the respiratory epithelium of nose and bronchi. Afzelius BA. **Ultrastruct Pathol** 1984;7(1):1-8

[Scanning electron microscopy of subcellular structures] Yang SC. **Taiwan I Hsueh Hui Tsa Chih** 1985 Feb; 84(2):198-203 (Eng. Abstr.) **(Chi)**

[Simultaneous immunocytochemical demonstration of the centrosphere and nucleolar organizer in cultured human cells] Maunoury R. **C R Acad Sci [III]** 1985;300(18):679-84 (Eng. Abstr.) **(Fre)**

[Electron microscopic diagnosis in dermatology] Klug H. **Dermatol Monatsschr** 1985;171(2):73-84 (Eng. Abstr.) **(Ger)**

[Ultrastructural studies of vacuole formation in arterial chorionic vessels of the mature human placenta] Röckelein G, et al. **Z Geburtshilfe Perinatol** 1985 Mar-Apr; 189(2):65-8 (Eng. Abstr.) **(Ger)**

[The accessory body of Cajal] Lafarga M, et al. **Trab Inst Cajal Invest Biol** 1982;73(1-2):5-21 (36 ref.) (Eng. Abstr.) **(Spa)**

ORGANOMERCURY COMPOUNDS

Selective isolation of mercurated DNA by affinity chromatography on thiol matrices. Banfalvi G, et al. **Anal Biochem** 1985 Apr;146(1):64-70

Octanol/water partition coefficients as a model system for assessing antidotes for methylmercury(II) poisoning, and for studying mercurials with medicinal applications. Canty AJ, et al. **J Inorg Biochem** 1984 Sep;22(1):65-72

ADVERSE EFFECTS

[Food toxicology problems in the handling of treated seed grains] Manthey G, et al. **Z Gesamte Hyg** 1984 Dec; 30(12):717-9 (Eng. Abstr.) **(Ger)**

METABOLISM

Enzymatic polymerization of 5-mercuriuridine-5'-diphosphate with polynucleotide phosphorylase from E. coli. Blandin M, et al. **Biochimie** 1984 Sep-Oct;66(9-10):645-50

Determination of mercury and organomercurial resistance in obligate anaerobic bacteria. Rudrik JT, et al. **Can J Microbiol** 1985 Mar;31(3):276-81

[Specific binding of fluorescein bimercuric acetate by histidine decarboxylase from Micrococcus] Gonchar NA, et al. **Vopr Med Khim** 1984;30(6):94-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Relation between red cell anion exchange and water transport. Yoon SC, et al. **Biochim Biophys Acta** 1984 Dec 5;778(2):385-9

In vitro interaction of organic mercury compounds with soluble glutathione S-transferases from rat liver. Dierickx PJ. **Pharmacol Res Commun** 1985 May;17(5):489-500

[Modification of bacterial formate dehydrogenase by a mercarbide electron-dense label. X-ray determination of the space between active centers of the enzyme] Lamzin VS, et al. **Dokl Akad Nauk SSSR** 1985;281(3):712-5 **(Rus)**

THERAPEUTIC USE

[Possibilities of protecting the ischemic focus in the myocardium] Malek I, et al. **Cas Lek Cesk** 1985 Aug 9; 124(32):1011-4 (Eng. Abstr.) **(Cze)**

TOXICITY

Physical and genetic map of the organomercury resistance (Omr) and inorganic mercury resistance (Hgr) loci of the IncM plasmid R831b. Ogawa HI, et al. **Gene** 1984 Dec; 32(3):311-20

Some mercurial resistance plasmids from different incompatibility groups specify merR regulatory functions that both repress and induce the mer operon of plasmid R100. Foster TJ, et al. **J Bacteriol** 1985 May;162(2):773-6

ORGANOMETALLIC COMPOUNDS

Resistance of nonaqueous solvent systems containing tetraalkylammonium salts. Evaluation of heterogeneous electron transfer rate constants for the ferrocene/ferrocenium couple. Kadish KM, et al. **Anal Chem** 1984 Aug;56(9):1741-4

Biologically active organotin polymers. Subramanian RV. **Ann NY Acad Sci** 1985;446:134-48

Copper(II)- and iron(II)-complexes of methyl 2-(2-aminoethyl)-aminomethyl-pyridine-6-carboxyl-histi (AMPHIS), a peptide mimicking the metal-chelating moiety of bleomycin. An ESR investigation. Henichart JP, et al. **Biochem Biophys Res Commun** 1985 Feb 15; 126(3):1036-41

Synthesis of undecagold cluster molecules as biochemical labeling reagents. 1. Monoacyl and mono[N-(succinimidooxy)succinyl] undecagold clusters. Reardon JE, et al. **Biochemistry** 1984 Aug 14; 23(17):3849-56

Synthesis of undecagold cluster molecules as biochemical labeling reagents. 3. Dimeric cluster with a single reactive amino group. Yang H, et al. **Biochemistry** 1984 Aug 14; 23(17):3863-8

Synthesis of undecagold cluster molecules as biochemical labeling reagents. 2. Bromoacetyl and maleimido undecagold clusters. Yang H, et al. **Biochemistry** 1984 Aug 14;23(17):3857-62

The health implications of increased manganese in the environment resulting from the combustion of fuel additives: a review of the literature. Cooper WC. **J Toxicol Environ Health** 1984;14(1):23-46 (123 ref.)

Electron transfer between metal complexes: retrospective. Taube H. **Science** 1984 Nov 30;226(4678):1028-36

ADMINISTRATION & DOSAGE

Some aspects of feeding and locomotor activity in adult rats exposed to tetraethyl lead. Czech DA, et al. **Neurobehav Toxicol Teratol** 1984 Sep-Oct;6(5):357-61

ANALYSIS

Determination of ionic alkyllead compounds in water by gas chromatography/atomic absorption spectrometry. Chakraborti D, et al. **Anal Chem** 1984 Dec;56(14):2692-7

[Chromato-atomic-absorption analysis of alkyl derivatives of lead in atmospheric air] Dmitriev MT, et al. **Gig Sanit** 1984 Sep;(9):55-7 **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and spectroscopic studies of potential anticancer [platinum(II)(2,2'-bipyridine)(amino acid)]n+ (n = 1 or 2) complexes. Kumar L, et al. **J Inorg Biochem** 1985 Jan; 23(1):1-11

DIAGNOSTIC USE

Autoradiographical investigations on the affinity of acetyl-(103Ru)-ruthenocene for the adrenal glands of mice. Herken R, et al. **Eur J Nucl Med** 1985;10(1-2):56-9

Ru-labeled ruthenocenoyl-glycine: comparison of clearance with hippuran. Wenzel M, et al. **Eur J Nucl Med** 1985; 10(3-4):138-42

Adrenal-affinity of ruthenocenyl-derivatives of biogenic amines. Wenzel M, et al. **Int J Nucl Med Biol** 1985;12(1):1-2

ISOLATION & PURIFICATION

Microcolumn high pressure liquid chromatography with a glass-frit nebulizer interface for plasma emission detection. Ibrahim M, et al. **J Chromatogr Sci** 1985 Apr;23(4):144-50

METABOLISM

Nickel mobilization by sodium diethyldithiocarbamate in nickel-carbonyl-treated mice. Tjälve H, et al. **IARC Sci Publ** 1984;(53):311-20

Sex-dependent organ distribution of radiopharmaceuticals: effect of hormones on localization of acetyl-103Ru-ruthenocene. Shani J, et al. **Int J Nucl Med Biol** 1985;12(1):13-9

[Tetraethyl lead metabolism and the possibility of evaluation of occupational risk] Turlakiewicz Z, et al. **Med Pr** 1984; 35(4):279-87 **(Pol)**

PHARMACODYNAMICS

Control of heme and cytochrome P-450 metabolism by inorganic metals, organometals and synthetic metalloporphyrins. Kappas A, et al. **Environ Health Perspect** 1984 Aug;57:301-6

Interaction of triethyl lead chloride with microtubules in vitro and in mammalian cells. Zimmermann HP, et al. **Exp Cell Res** 1985 Jan;156(1):140-52

UDPgalactose:ceramide galactosyltransferase and 2',3'-cyclic-nucleotide 3'-phosphodiesterase activities in rat brain after long-term exposure to methylmercury or triethyllead. Grundt IK, et al. **Exp Neurol** 1985 Jun; 88(3):580-9

The phthalocyanines: a new class of mammalian cells photosensitizers with a potential for cancer phototherapy. Ben-Hur E, et al. **Int J Radiat Biol** 1985 Feb;47(2):145-7

Induction of interferon and activation of NK cells and macrophages in mice by oral administration of Ge-132, an organic germanium compound. Aso H, et al. **Microbiol Immunol** 1985;29(1):65-74

Effect of acute triethyl lead treatment on metalloenzymes and binding characteristics of rat brain hippocampus. Bondy SC, et al. **Neurochem Pathol** 1984-85 Winter; 2(4):251-66

Effects of triethyl lead on hot-plate responsiveness and biochemical properties of hippocampus. Bondy SC, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1007-11

Cytologic observations on the effects of metallocene dichlorides on human fibroblasts cultivated in vitro. Köpf-Maier P, et al. **Virchows Arch [Cell Pathol]** 1984; 47(2):107-22

[Comparative study of the action of O-phenanthroline metal complexes and a number of other compounds on the activity of brain arginase isoforms] Navasardiants DG, et al. **Vopr Med Khim** 1985 Mar-Apr;31(2):72-6 (Eng. Abstr.) **(Rus)**

POISONING

[Various characteristics of chronic tetraethyl lead poisoning] Gavrilenko AG, et al. **Vrach Delo** 1985 Apr;(4):100-2 (34 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Antineoplastic activity of planar rhodium(I) complexes in mice bearing Lewis lung carcinoma and P388 leukemia. Sava G, et al. **Anticancer Res** 1985 May-Jun;5(3):249-52

Preclinical evaluation of diethoxy-(1-phenyl-1,3-butanedionato) titanium (IV) in human tumour xenografts. Mattern J, et al. **Arzneimittelforsch** 1984;34(10):1289-90

Antitumor activity of trans-bis(salicylaldoximato)copper(II): a novel antiproliferative metal complex. Elo HO, et al. **Cancer Treat Rep** 1985 Sep;69(9):1021-2

Inhibition of tumor growth and metastasis in association with modification of immune response by novel organic germanium compounds. Sato I, et al. **J Biol Response Mod** 1985 Apr;4(2):159-68

Antitumor effect of the organogermanium compound Ge-132 on the Lewis lung carcinoma (3LL) in C57BL/6 (B6) mice. Kumano N, et al. **Tohoku J Exp Med** 1985 May; 146(1):97-104

[Antitumor activity of Ge-132, a new organogermanium compound, in mice is expressed through the functions of macrophages and T lymphocytes] Suzuki F. **Gan To Kagaku Ryoho** 1985 Jul;12(7):1445-52 (Eng. Abstr.) **(Jpn)**

TOXICITY

Changes in endogenous monoamine levels of rat brain induced by tetraethyl lead. Komulainen H, et al. **Arch Toxicol [Suppl]** 1984;7:394-7

High cytotoxicity and membrane permeability of Et3Pb+ in mammalian and plant cells. Stournaras C, et al. **Cell Biochem Funct** 1984 Oct;2(4):213-6

Effects of organic and inorganic lead on synaptosomal uptake, release, and receptor binding of glutamate in young rats. Regunathan S, et al. **J Neurochem** 1985 May; 44(5):1642-6

Pyruvate metabolism in the brain of young rats intoxicated with organic and inorganic lead. Regunathan S, et al. **J Neurochem** 1984 Nov;43(5):1346-51

Triethyllead and cerebral development: an overview. Konat G. **Neurotoxicology (Park Forest II)** 1984 Fall;5(3):87-96

Experimental design considerations: a determinant of acute neonatal toxicity. Booze RM, et al. **Teratology** 1985 Apr; 31(2):187-91

Influence of triethyl lead on the activity of enzymes of the ascites tumor cell plasma membrane and its microviscosity. Haeffner EW, et al. **Toxicol Lett** 1984 Nov;23(2):183-8

Teratogenicity and embryotoxicity of titanocene dichloride in mice. Köpf-Maier P, et al. **Toxicology** 1984 Nov; 33(2):171-81

The acute toxicity of cyclopentadienyl manganese tricarbonyl in the rat. Penney DA, et al. **Toxicology** 1985 Mar 29;34(4):341-7

URINE

Analysis of trimethylselenonium ion in urine by high-performance liquid chromatography. Kraus RJ, et al. **Anal Biochem** 1985 Jun;147(2):432-6

Measurement of trimethylselenonium ion in human urine. Nahapetian AT, et al. **Anal Biochem** 1984 Jul;140(1):56-62

Determination of trimethylselenonium ion in urine by ion-exchange chromatography and molecular neutron activation analysis. Blotcky AJ, et al. **Anal Chem** 1985 Aug; 57(9):1937-41

ORGANOPHOSPHORUS COMPOUNDS

see related

INSECTICIDES, ORGANOPHOSPHATE

Measurement of phosphate concentration in the presence of very labile phosphate esters. Lane RJ, et al. **Anal Biochem** 1984 Aug 1;140(2):424-7

Phosphorolysis of acetyl phosphate by orthophosphate with energy conservation in the phosphoanhydride linkage of pyrophosphate. Vieyra A, et al. **Arch Biochem Biophys** 1985 May 1;238(2):574-83

Tetraphenylphosphonium ion is a true indicator of negative plasma-membrane potential in the yeast Rhodotorula glutinis. Experiments under osmotic stress and at low external pH values. Höfer M, et al. **Biochem J** 1985 Feb 1;225(3):815-9

On the synthesis of a 32P-labelled Edman reagent for the sensitive identification of amino-acid derivatives. Ender BE, et al. **Hoppe Seylers Z Physiol Chem** 1984 Aug; 365(8):839-45

[Effect of the organophosphate insecticide chloracetophon on skeletal ossification and the development of internal organs in white rat fetuses] Khadzhitodorova E, et al. **Eksp Med Morfol** 1984;23(4):201-5 (Eng. Abstr.) **(Bul)**

[Resistance of Madagascan plague fleas to organochlorine, organophosphorus insecticides and carbamates] Coulanges P, et al. **Arch Inst Pasteur Madagascar** 1984;51(1):253-60 **(Fre)**

[Direct reactions of pyridinium oximes with organophosphorus compounds] Markov V, et al. **Arh Hig Rada Toksikol** 1984 Sep;35(3):263-8 (Eng. Abstr.) **(Scr)**

ADMINISTRATION & DOSAGE

Combination chemotherapy: interaction of 5-methoxymethyldeoxyuridine with trifluorothymidine, phosphonoformate and acycloguanosine against herpes simplex viruses. Ayisi NK, et al. **Antiviral Res** 1985 Feb; 5(1):13-27

Antitumor activity of N-phosphonacetyl-L-aspartic acid in combination with nitrobenzylthioinosine. Erlichman C, et al. **Biochem Pharmacol** 1984 Oct 15;33(20):3177-81

Cutaneous herpes simplex virus infection of the guinea pig: lack of resistance to acyclovir and phosphonoformic acid after topical treatment. Poryo A, et al. **Med Microbiol Immunol (Berl)** 1984;173(4):219-24

Intravenous foscarnet for the treatment of severe cytomegalovirus infection in allograft recipients. Klintmalm G, et al. **Scand J Infect Dis** 1985;17(2):157-63

Topical treatment of recurrent genital herpes infections with foscarnet. Wallin J, et al. **Scand J Infect Dis** 1985; 17(2):165-72

A method for generating toxic vapors of soman: toxicity of soman by inhalation in rats. Aas P, et al. **Toxicol Appl Pharmacol** 1985 Sep 30;80(3):437-45

ANALYSIS

Fast atom bombardment and laser desorption mass spectrometry for determination of alkyltriphenylphosphonium salts. McCrery DA, et al. **Anal Chem** 1985 Jun;57(7):1181-6

Correlation between some physical parameters and alkaline hydrolysis rate constants of organophosphorous compounds. Vojvodic V, et al. **Arch Belg** 1984;Suppl:49-52

Metabolic status of fresh v eye-bank-processed corneas. A phosphorus nuclear magnetic resonance study. Greiner JV, et al. **Arch Ophthalmol** 1984 Nov;102(11):1676-7

Stereochemical analysis of the nerve agents soman, sarin, tabun, and VX by proton NMR-spectroscopy with optically active shift reagents. Van den Berg GR, et al. **Bull Environ Contam Toxicol** 1984 Nov;33(5):505-14

Recent advances in cleanup of fats by sweep co-distillation. Part 2. Organophosphorus residues. Luke BG, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):902-4

Post-column reaction detection system for the determination of organophosphorus compounds by liquid chromatography. Priebe SR, et al. **J Chromatogr** 1985 May 17;324(1):53-63

ANTAGONISTS & INHIBITORS

Protective effect of diazepam pretreatment on soman-induced brain lesion formation. Martin LJ, et al. **Brain Res** 1985 Jan 28;325(1-2):287-9

Effects of diazepam on soman-induced brain neuronal RNA depletion and lethality in rats. Doebler JA, et al. **Life Sci** 1985 Mar 18;36(11):1107-15

Relationship between reversible acetylcholinesterase inhibition and efficacy against soman lethality. Lennox WJ, et al. **Life Sci** 1985 Sep 2;37(9):793-8

Comparison of three enzymatic models for evaluation of reactivators of organophosphorus ester inhibited acetylcholinesterase. Miller A, et al. **Proc West Pharmacol Soc** 1984;27:297-301

[Antagonism of non-depolarization muscle relaxants and aminoglycoside antibiotics to the block of neuromuscular junction of the rat diaphragm caused by soman] Yu SP, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):11-6 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

Studies on the biosynthesis of bialaphos (SF-1293). 6. Production of N-acetyl-demethylphosphinothricin and N-acetylbialaphos by blocked mutants of Streptomyces hygroscopicus SF-1293 and their roles in the biosynthesis of bialaphos. Imai S, et al. **J Antibiot (Tokyo)** 1985 May; 38(5):687-90

Studies on the biosynthesis of bialaphos (SF-1293). 4. Production of phosphonic acid derivatives, 2-hydroxyethylphosphonic acid, hydroxymethylphosphonic acid and phosphonoformic acid by blocked mutants of Streptomyces hygroscopicus SF-1293 and their roles in the biosynthesis of bialaphos. Imai S, et al. **J Antibiot (Tokyo)** 1984 Nov;37(11):1505-8

Studies on the biosynthesis of bialaphos (SF-1293). 5. Production of 2-phosphinomethylmalic acid, an analogue of citric acid by Streptomyces hygroscopicus SF-1293 and its involvement in the biosynthesis of bialaphos. Seto H, et al. **J Antibiot (Tokyo)** 1984 Nov;37(11):1509-11

BLOOD

In vitro degradation of the four isomers of soman in human serum. de Bisschop HC, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1895-900

Organic phosphates modulate anion self-exchange across the human erythrocyte membrane. Bursaux E, et al. **Biochim Biophys Acta** 1984 Nov 7;777(2):253-60

Analysis of soman and sarin in blood utilizing a sensitive gas chromatography-mass spectrometry method. Singh AK, et al. **J Chromatogr** 1985 May 17;324(1):163-72

Estimation of tris(2-butoxyethyl) phosphate in biological fluids: novel intersubject variability in recovery from human serum. Anderson GD, et al. **J Pharm Sci** 1984 Dec; 73(12):1791-3

CHEMICAL SYNTHESIS

Synthesis of phosphotriester by DCC and its biological activities. Abe T, et al. **Comp Biochem Physiol [C]** 1984; 79(2):237-42

Phosphorus-nitrogen compounds. 26. Phosphaminimides. 2. 2,2'-Phosphinylidenebis(1,1,1-trimethylhydrazinium) iodide inner salts as agents affecting ganglionic transmission. Cates LA, et al. **J Med Chem** 1985 May; 28(5):595-7

Excitatory amino acid receptor interactions of a novel alpha-phosphinic acid analogue of alpha-methylaspartic acid. Cates LA, et al. **J Pharm Sci** 1984 Nov;73(11):1550-3

Studies on the synthesis of the fluorescent bases from phenylalanine transfer ribonucleic acids. Itaya T, et al. **Nucleic Acids Symp Ser** 1984;(15):13-5

[Synthesis and anticholinesterase activity of acetylene organophosphorus compounds] Balashova EK, et al. **Dokl Akad Nauk SSSR** 1983;272(2):503-6 **(Rus)**

DIAGNOSTIC USE

Inadvertent lymphoscintigraphy? Boxen I. **Clin Nucl Med** 1985 Jan;10(1):25-6

Evaluation of [99mTc]N-phosphorylaminoethyl-phosphate [(99mTc]PAEP) as imaging agent in acute myocardial infarction. Chiotellis E, et al. **Int J Nucl Med Biol** 1984; 11(3-4):280-2

Membrane potential and catecholamine secretion by bovine adrenal chromaffin cells: use of tetraphenylphosphonium distribution and carbocyanine dye fluorescence. Friedman JE, et al. **J Neurochem** 1985 May;44(5):1391-402

Acute uptake and chronic retention of infarct avid myocardial-seeking agents: 99Tcm-pyrophosphate and 125I-phenylphosphate. Castronovo FP Jr, et al. **Nucl Med Commun** 1984 Oct;5(10):647-54

IMMUNOLOGY

Structural and stereochemical specificity of mouse monoclonal antibodies to the organophosphorous cholinesterase inhibitor soman. Brimfield AA, et al. **Mol Pharmacol** 1985 Jul;28(1):32-9

ISOLATION & PURIFICATION

Phthalates and organophosphorus compounds as cholinesterase inhibitors in fractions of industrial hexane impurities. Vicedo JL, et al. **Arch Toxicol** 1985 Apr; 57(1):46-52

Separation of mevalonate phosphates and isopentenyl pyrophosphate by thin-layer chromatography and of short-chain prenyl phosphates by ion-pair chromatography on a high-performance liquid chromatography column. Beyer P, et al. **Methods Enzymol** 1985;111:248-52

[Purification of impure 4-nitrophenylphosphate preparations] Kirchberger J, et al. **Z Med Lab Diagn** 1985;26(3):176-7 **(Ger)**

METABOLISM

Interethnic differences of human serum paraoxonase activity-relevance for the detoxification of organophosphorous compounds. Geldmacher-von Mallinckrodt M, et al. **Arch Belg** 1984;Suppl:243-51

Inhibition of a soman- and diisopropyl phosphorofluoridate (DFP)-detoxifying enzyme by Mipafox. Hoskin FC. **Biochem Pharmacol** 1985 Jun 15;34(12):2069-72

Metabolism of phosphorus-containing compounds by pig liver microsomal FAD-containing monooxygenase. Smyser BP, et al. **Biochem Pharmacol** 1985 Apr 15; 34(8):1145-50

Metabolism in vitro of tris(2,3-dibromopropyl)-phosphate: oxidative debromination and bis(2,3-dibromopropyl)phosphate formation as correlates of mutagenicity and covalent protein binding. Søderlund EJ, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):4017-23

Enzymatic synthesis of sarin and soman. Sun MC, et al. **Biochem Pharmacol** 1985 May 15;34(10):1843-5

Binding of radiolabeled N-(phosphonacetyl)-L-aspartate to aspartate transcarbamylase from Ehrlich ascites tumor cells. White JC, et al. **Biochem Pharmacol** 1984 Nov 15; 33(22):3645-8

Interaction of hexane phosphonic acid diethyl ester with phospholipids in hepatic microsomes and reconstituted liposomes as studied by 31P-NMR. Bayerl T, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):437-46

Metabolism of phosphoric acid triesters by rat liver homogenate. Sasaki K, et al. **Bull Environ Contam Toxicol** 1984 Sep;33(3):281-8

The metabolism and decorporation of Pu after inhalation of the tributyl phosphate complex by the rat. Stradling GN, et al. **Health Phys** 1985 Sep;49(3):499-502

Studies on the biosynthesis of bialaphos (SF-1293). 6.

Production of N-acetyl-demethylphosphinothricin and N-acetylbialaphos by blocked mutants of Streptomyces hygroscopicus SF-1293 and their roles in the biosynthesis of bialaphos. Imai S, et al. **J Antibiot (Tokyo)** 1985 May; 38(5):687-90

Fluorescent phosphonate labels for serine hydrolases. Kinetic and spectroscopic properties of (7-nitrobenz-2-oxa-1,3-diazole)aminoalkyl methylphosphonofluoridates and their conjugates with acetylcholinesterase molecular forms. Berman HA, et al. **J Biol Chem** 1985 Mar 25;260(6):3462-8

Kinetics of the acid pump in the stomach. Proton transport and hydrolysis of ATP and p-nitrophenyl phosphate by the gastric H,K-ATPase. Ljungström M, et al. **J Biol Chem** 1985 May 10;260(9):5440-4

Increased accumulation of a lipophilic cation (tetraphenylphosphonium) in human embryo fibroblasts after infection with cytomegalovirus. Landini MP, et al. **J Gen Virol** 1984 Dec;65 (Pt 12):2269-72

Synthesis and biological evaluation of 9-[5'-(2-oxo-1,3,2-oxazaphosphorinan-2-yl)-beta-D-arabinine and 9-[5'-(2-oxo-1,3,2-dioxaphosphorinan-2-yl)-beta-D-arabinine: potential neutral precursors of 9-[beta-D-arabinofuranosyl]adenine 5'-monophosphate. Farquhar D, et al. **J Med Chem** 1985 Sep;28(9):1358-61

Effects of alkyl and aryl substitution on the myocardial specificity of radioiodinated phosphonium, arsonium, and ammonium cations. Srivastava PC, et al. **J Med Chem** 1985 Jul;28(7):901-4

Membrane potential and surface potential in mitochondria: uptake and binding of lipophilic cations. Rottenberg H. **J Membr Biol** 1984;81(2):127-38

Evaluation of diethyl malonate as a simulant for 1,2,2-trimethylpropyl methylphosphonofluoridate (soman) in shower decontamination of the skin. Reifenrath WG, et al. **J Pharm Sci** 1984 Oct;73(10):1388-92

Pharmacokinetics of PFA (trisodium phosphonoformate) after i.v. and p.o. administration to beagle dogs and rabbits. Ritschel WA, et al. **Methods Find Exp Clin Pharmacol** 1985 Jan;7(1):41-8

Detoxification of soman and o-cyclopentyl-s-diethylaminoethyl methylphosphonothioate in vivo. Harris L, et al. **Proc West Pharmacol Soc** 1984;27:315-8

Relationship between the biodisposition of [3H]soman and its pharmacological effects in mice. Reynolds ML, et al. **Toxicol Appl Pharmacol** 1985 Sep 30;80(3):409-20

[Effect of phosphate and acidosis on the calcium sensitivity of the cardiac myofibrils] Veksler VI, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):133-5 (Eng. Abstr.) **(Rus)**

[Effect of the stereochemistry of the alpha-terminal units of polyprenols on the capacity of their phosphates to participate in the biosynthesis of Salmonella O antigen. Research with synthetic and semisynthetic prenols] Veselovskiĭ VV, et al. **Dokl Akad Nauk SSSR** 1985; 280(4):885-7 **(Rus)**

PHARMACODYNAMICS

1-Amino-2-phenylethylphosphonic acid: an inhibitor of L-phenylalanine ammonia-lyase in vitro. Janas KM, et al. **Acta Biochim Pol** 1985;32(2):131-43

Effect of para substituents of 2-(N,N-dimethylamino)ethyl phenyl phenylphosphonates on inhibition of human pseudocholinesterase. Manninen PA, et al. **Acta Chem Scand [B]** 1984;38(8):641-5

Effects of physostigmine, paraoxon and soman on brain GABA level and metabolism. Coudray-Lucas C, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Aug;55(2):153-7

Brain monoamine oxidase in suckling rabbits treated with organophosphorus compound. I. Acute intoxication. Maślińska D. **Acta Physiol Pol** 1984 Mar-Apr;35(2):137-40

Mutually exclusive inhibition of herpesvirus DNA polymerase by aphidicolin, phosphonoformate, and acyclic nucleoside triphosphates. Frank KB, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):445-8

Structure-activity studies on phosphonoacetate. Mao JC, et al. **Antimicrob Agents Chemother** 1985 Feb;27(2):197-202

Neuropathy target esterase in human lymphocytes. Bertoncin D, et al. **Arch Environ Health** 1985 May-Jun;40(3):139-44

Reactivators of organophosphate-inhibited cholinesterase. 4-cycloalkylcarbonyl substituted bis-pyridinium monooximes. Maksimović M, et al. **Arch Toxicol** 1984 Sep; 55(3):199-202

Aging and reactivatability of plaice cholinesterase inhibited by soman and its stereoisomers. Bucht G, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3573-7

Purification of an alanine racemase from Streptococcus faecalis and analysis of its inactivation by (1-aminoethyl)phosphonic acid enantiomers. Badet B, et al. **Biochemistry** 1985 Mar 12;24(6):1333-41

Stereospecific reactivation of human brain and erythrocyte acetylcholinesterase inhibited by 1,2,2-trimethylpropyl methylphosphonofluoridate (soman). de Jong LP, et al. **Biochim Biophys Acta** 1985 Aug 23;830(3):345-8

Mechanism of synergy between N-phosphonacetyl-L-aspartate and dipyridamole in a human ovarian carcinoma cell line. Chan TC, et al. **Cancer Res** 1985 Aug;45(8):3598-604

Quantitative assays for evaluation of HTLV-III inactivation procedures: tri(N-butyl)phosphate:sodium cholate and beta-propiolactone. Prince AM, et al. **Cancer Res** 1985 Sep; 45(9 Suppl):4592s-4594s

Noncholinesterase actions of an irreversible acetylcholinesterase inhibitor on synaptic transmission and membrane properties in autonomic ganglia. Yarowsky P, et al. **Cell Mol Neurobiol** 1984 Dec;4(4):351-66

Drug-protein binding interferences caused by the plasticizer TBEP. Devine JE. **Clin Biochem** 1984 Dec;17(6):345-7

In vitro recovery of resistant retrovirus isolates after exposure to phosphonoformate [letter] Muratore O, et al. **Eur J Clin Microbiol** 1984 Oct;3(5):447-9

Disruption of circadian rhythm of tissue respiration in Channa striatus by Metasystox. Natarajan GM. **Experientia** 1985 May 15;41(5):612-4

Irreversible inhibition of pancreatic lipase by bis-p-nitrophenyl methylphosphonate. Sikk P, et al. **FEBS Lett** 1985 May 20;184(2):193-6

Histamine release by esterase inhibitors. The regulation of histamine release from human leukocytes of allergic and non-allergic individuals by the serine esterase inhibitors diisopropyl fluorophosphate and pinacolyl methylphosphorofluoridate. Meier HL, et al. **Int Arch Allergy Appl Immunol** 1985;77(1-2):218-21

The effect of substrate and potassium on the inhibitory kinetics of MnCl2 on the enzyme K+-p-nitrophenyl phosphatase in rat brain. Bansal SK, et al. **J Appl Toxicol** 1985 Feb;5(1):35-8

Evaluation of 2-phosphono-butane 1,2,4 tricarboxylate as a crystal growth inhibitor in vitro and in vivo. Gaffar A, et al. **J Dent Res** 1985 Jan;64(1):6-11

Structure-activity relationships for reactivators of organophosphorus-inhibited acetylcholinesterase: quaternary salts of 2-[(hydroxyimino)methyl]imidazole. Bedford CD, et al. **J Med Chem** 1984 Nov;27(11):1431-8

Synthesis and biological evaluation of phosphonamidate peptide inhibitors of enkephalinase and angiotensin-converting enzyme. Elliott RL, et al. **J Med Chem** 1985 Sep;28(9):1208-16

Synthesis of some quaternary ammonium alkylating agents and their effects on soman-inhibited acetylcholinesterase. Gray AP, et al. **J Med Chem** 1985 Jan;28(1):111-6

Inhibition of human T-cell lymphotropic virus type III in vitro by phosphonoformate. Sandstrom EG, et al. **Lancet** 1985 Jun 29;1(8444):1480-2

A comparison of physostigmine and soman using taste aversion and nociception. Romano JA, et al. **Neurobehav Toxicol Teratol** 1985 May-Jun;7(3):243-9

[The effect of organophosphates on heart ATPase in the rat] Dierkes-Tizek U, et al. **Arzneimittelforsch** 1984;34(6):671-8 (Eng. Abstr.) **(Ger)**

[Ion channels formed in bilayer lipid membranes by large subunits of Na,K-ATPase and activated by ATP and p-nitrophenylphosphate] Mironov GP, et al. **Biofizika** 1984 Jul-Aug;29(4):688-90 (Eng. Abstr.) **(Rus)**

[Nonlinear 'hydrophobicity-antiesterase activity' model for various types of organophosphorous compounds] Fetisov VI, et al. **Bioorg Khim** 1984 Oct;10(10):1353-8 (Eng. Abstr.) **(Rus)**

[Quaternary phosphonic salts as reversible cholinesterase inhibitors] Brestkin AP, et al. **Dokl Akad Nauk SSSR** 1984; 277(3):735-7 **(Rus)**

[Presynaptic action of armin and galantamin on mammalian neuromuscular junction] Drabkina TM, et al. **Fiziol Zh SSSR** 1983 Jul;69(7):906-12 (Eng. Abstr.) **(Rus)**

POISONING

Personnel protection against chemical agents: development of antidotal treatment for organophosphorous poisoning. Briggs CJ, et al. **Arch Belg** 1984;Suppl:260-73

Accidental exposure to sarin: vision effects. Rengstorff RH. **Arch Toxicol** 1985 Jan;56(3):201-3

The effect of soman poisoning on phosphorylating capability and adenylate cyclase activity of isolated synaptosomal membranes. Sevaljević L, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3714-6

Practical therapeutics: first aid and therapy of poisoning from agricultural insecticides and herbicides. Obel AO. **East Afr Med J** 1984 Apr;61(4):335-8

A novel immunoassay with direct relevance to protection against organophosphate poisoning. Heldman E, et al. **FEBS Lett** 1985 Jan 28;180(2):243-8

Spectrum of acute poisoning in adults (10 year experience). Singh S, et al. **J Assoc Physicians India** 1984 Jul;32(7):561-3

Dicrotophos poisoning of great-tailed grackles in Texas. Mitchell CA, et al. **J Wildl Dis** 1984 Jul;20(3):256-7

Atropine or hyoscine in treatment of acute organophosphate poisoning? [letter] Sanderson DM. **Lancet** 1985 May 18; 1(8438):1168

[Relationship between cholinesterase activity and acetylcholine of the brains of mice acutely intoxicated with soman] Zhang X, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):16-9 (Eng. Abstr.) **(Chi)**

[Change in the ATP content of the earthworm dorsal muscle during soman poisoning] Zhu RX, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):6-10 (Eng. Abstr.) **(Chi)**

[Effect of dimethoxy dichloro vinyl phosphate and fluorostigmine on the cyclic nucleotide content and dopamine level in the brain nigrostriatal system] Golovko AI, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):46-8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

PALA (NSC-224131) in advanced carcinoma of the cervix. A phase II study of the Gynecologic Oncology Group. Muss HB, et al. **Am J Clin Oncol** 1984 Dec;7(6):741-4

A comparative study of PALA, PALA plus 5-FU, and 5-FU in advanced breast cancer. Mann GB, et al. **Cancer** 1985 Sep 15;56(6):1320-4

Modulation of the activity of PALA by dipyridamole. Chan TC, et al. **Cancer Treat Rep** 1985 Apr;69(4):425-30

Phase II study of PALA and PCNU in the treatment of non-small cell lung cancer (EST 2580): an Eastern Cooperative Oncology Group study. Ettinger DS, et al. **Cancer Treat Rep** 1984 Oct;68(10):1297-8

Application of biochemical modulation with a therapeutically inactive modulating agent in clinical trials of cancer chemotherapy. Martin DS, et al. **Cancer Treat Rep** 1985 Apr;69(4):421-3 (34 ref.)

Treatment of autochthonous rat colonic adenocarcinomas with a thioether-lysophospholipid derivative in mono- and combination chemotherapy. Heim ME, et al. **J Cancer Res Clin Oncol** 1984;108(3):316-20

Foscarnet [editorial] **Lancet** 1985 Sep 21;2(8456):648-9

Foscarnet for cytomegalovirus pneumonitis [letter] Apperley JF, et al. **Lancet** 1985 May 18;1(8438):1151

Foscarnet for cytomegalovirus infections [letter] Ringdén O, et al. **Lancet** 1985 Jun 29;1(8444):1503-4

Disseminating herpes simplex infection: primary lesions in urinary bladder and successful treatment with forscarnet sodium. Blohmé I, et al. **Transplant Proc** 1984 Dec; 16(6):1672-4

[Efficacy of the preparation Phospho-jet in the treatment of puerperal hemoglobinuria in dairy cows in Greece] Karatzias H. **DTW** 1985 Mar 8;92(3):92-3 (Eng. Abstr.) **(Ger)**

TOXICITY

The hypertensive response to soman and its relation to brain acetylcholinesterase inhibition. Brezenoff HE, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Oct;55(4):270-7

Comparative genotoxicity and nephrotoxicity studies of the two halogenated flame retardants tris(1,3-dichloro-2-propyl)phosphate and tris(2,3-dibromopropyl)phosphate. Søderlund EJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):20-9

Subchronic oral toxicity of tributoxyethyl phosphate in the Sprague-Dawley rat. Laham S, et al. **Arch Environ Health** 1985 Jan-Feb;40(1):12-7

Importance of aliesterase as a detoxification mechanism for soman (Pinacolyl methylphosphonofluoridate) in mice. Clement JG. **Biochem Pharmacol** 1984 Dec 1; 33(23):3807-11

Aging and stereospecific reactivation of mouse erythrocyte and brain acetylcholinesterases inhibited by soman. de Jong LP, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):142-5

Interaction of the four stereoisomers of soman (pinacolyl methylphosphonofluoridate) with acetylcholinesterase and neuropathy target esterase of hen brain. Johnson MK, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1945-51

Regional sensitivity of neuroleptic receptors to sub-acute soman intoxication. Valdes JJ, et al. **Brain Res Bull** 1985 Feb;14(2):117-21

Scanning cytophotometric analysis of myocardial nucleic acid and chromatin changes in soman toxicated rabbits. Martin LJ, et al. **Cell Biochem Funct** 1984 Oct;2(4):237-42

Neural microtubular and lysosomal phenyl valerate esterases and proteases in relation to organophosphate-induced delayed neurotoxicity. Seifert J, et al. **Comp Biochem Physiol [C]** 1984;78(2):271-6

Protection against both lethal and behavioral effects of soman. Harris LW, et al. **Drug Chem Toxicol** 1984; 7(6):605-24

Toxicity of anticholinesterases: interactions of pyridostigmine and physostigmine with soman. Harris LW, et al. **Drug Chem Toxicol** 1984;7(5):507-26

Design and structure-activity relationships of antidotes to organophosphorus anticholinesterase agents. Gray AP. **Drug Metab Rev** 1984;15(3):557-89 (78 ref.)

Sensitivity of nestling and adult starlings to dicrotophos, an organophosphate pesticide. Grue CE, et al. **Environ Res** 1984 Dec;35(2):454-65

An assessment of comparative acute toxicity of diisopropyl-fluorophosphate, tabun, sarin, and soman in relation to cholinergic and GABAergic enzyme activities in rats. Sivam SP, et al. **Fundam Appl Toxicol** 1984 Aug; 4(4):531-8

Assessment of the delayed neurotoxic potential of isopropyl triphenylphosphate using a nontraditional testing strategy. Sprague GL, et al. **J Toxicol Environ Health** 1984; 14(5-6):773-88

Cytophotometric analyses of thalamic neuronal RNA in soman intoxicated rats. Martin LJ, et al. **Life Sci** 1984 Oct 8;35(15):1593-600

Dimethyl methyl phosphonate induction of dominant lethal mutations in male mice. Dunnick JK, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):213-8

Pinacolyl methylphosphonochloridate: in vitro covalent binding to DNA and mutagenicity in the Ames test. Ivanović V, et al. **Mutat Res** 1985 Jan-Feb;142(1-2):9-12

Heritable translocation study in male mice with trimethyl phosphate. Tezuka H, et al. **Mutat Res** 1985 Aug-Sep; 157(2-3):205-13

Analysis of hexamethylphosphoramide (HMPA)-induced genetic alterations in relation to DNA damage and DNA repair in Drosophila melanogaster. Vogel EW, et al. **Mutat Res** 1985 Jun-Jul;150(1-2):241-60

Acute behavioral toxicity of the organophosphate sarin in rats. Landauer MR, et al. **Neurobehav Toxicol Teratol** 1984 May-Jun;6(3):239-43

Soman toxication in hypoxia acclimated rats: alterations in brain neuronal RNA and survival. Doebler JA, et al. **Neurochem Res** 1984 Sep;9(9):1239-52

Acute neuropathology in soman poisoned rats. McLeod CG Jr, et al. **Neurotoxicology (Park Forest II)** 1984 Summer; 5(2):53-7

Acute soman effects in the juvenile baboon: effects on a match-to-sample discrimination task and on total blood acetylcholinesterase. Geller I, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):961-6

Effects of the irreversible acetylcholinesterase inhibitor soman on match-to-sample behavior of the juvenile baboon. Geller I, et al. **Proc West Pharmacol Soc** 1984; 27:217-21

Biochemical observations in rats following exposure to soman. Green MD, et al. **Proc West Pharmacol Soc** 1984; 27:311-4

Roles of dopamine and GABA in neurotoxicity of organophosphorus cholinesterase inhibitors. Ho IK, et al. **Proc West Pharmacol Soc** 1984;27:177-80

Effect of repeated intraperitoneal injections of soman on schedule-controlled behavior in the rat. Hymowitz N, et al. **Psychopharmacology (Berlin)** 1985;86(4):404-8

Variability of neurotoxicity of and lack of tolerance to the anticholinesterases soman and sarin in the rat. Fernando JC, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jun; 48(3):415-30

Effects of N,N,N',N'-ethylenediaminetetramethylene phosphonic acid and 1-hydroxyethylidene-1,1-bisphosphonic acid on calcium absorption, plasma calcium, longitudinal bone growth, and bone histology in the growing rat. Miller SC, et al. **Toxicol Appl Pharmacol** 1985 Feb;77(2):230-9

The toxic and teratogenic effects of selected organophosphorus compounds on the embryos of three species of amphibians. Fulton MH, et al. **Toxicol Lett** 1985 Aug;26(2-3):175-80

Mutagenic potential of 4 organophosphinate compounds. Powers NR, et al. **Toxicol Lett** 1984 Oct;23(1):33-6

Effects of HI-6 on brain neuronal RNA and acetylcholinesterase: metabolic responses during acute soman intoxication. Doebler JA, et al. **Toxicology** 1984 Dec;33(3-4):311-22

A review of organophosphorus ester-induced delayed neurotoxicity. Barrett DS, et al. **Vet Hum Toxicol** 1985 Feb;27(1):22-37 (140 ref.)

Toxicity and interaction of topical organophosphate insecticide dichlorvoscrotoxyphos and phenothiazine anthelmintic in sheep previously exposed to both drugs. Mohammad FK, et al. **Vet Hum Toxicol** 1985 Jun; 27(3):181-4

[Methodological problems in researching chemical substances for their embryotoxic, teratogenic, hypotrophic and gonadotoxic action on agricultural animals] Lilov K, et al. **Vet Med Nauki** 1985;22(6):94-101 (Eng. Abstr.) **(Bul)**

[Effect of soman on cholinesterase activity and acetylcholine content of earthworm dorsal muscle] Ren YF, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):145-6 (Eng. Abstr.) **(Chi)**

[Toxicity and general pharmacological effects of 4-methylthiophenyl dipropyl phosphate] Okudaira H, et al. **Yakugaku Zasshi** 1984 Apr;104(4):374-83 (Eng. Abstr.) **(Jpn)**

[Setting hygienic standards for zinc-complexes of nitrilotrimethyl phosphonic acid in reservoirs] Suleĭmanov RA. **Gig Sanit** 1984 Nov;(11):73-4 **(Rus)**

[Toxicity and hazards of the inhibitor DPF-1 (2-hydroxy-1,3-pro- pylene diamine-N,N,N',N'-tetramethylene phosphonic acid)] Antonovicha LA, et al. **Gig Tr Prof Zabol** 1985 Apr; (4):45-6 **(Rus)**

URINE

Alkyl phosphate residue values in the urine of Florida citrus fieldworkers compared to the National Health and Nutrition Examination Survey (HANES) sample. Griffith JG, et al. **Bull Environ Contam Toxicol** 1985 Feb; 34(2):210-5

[Renal excretion of dimethylphosphate and its thio-derivatives following application of dimethoate, bromophos, naled or trichlorfon to rats] Riemer F, et al. **Nahrung** 1985;29(3):299-302 (Eng. Abstr.) **(Ger)**

[Assessment of the exposure of pest control operators to organophosphorus pesticides. Organophosphorus pesticides in blood and alkyl phosphate metabolites in urine] Saito I, et al. **Sangyo Igaku** 1984 Jan;26(1):15-21 (Eng. Abstr.) **(Jpn)**

ORGANOPLATINUM COMPOUNDS

X-ray and NMR studies of trans-dihydroxo-platinum(IV) antitumor complexes. Kuroda R, et al. **J Inorg Biochem** 1984 Oct;22(2):103-17

Platinum(IV) antitumor agents. Blatter EE, et al. **Prog Clin Biol Res** 1985;172B:185-91

ADVERSE EFFECTS

The importance of high-tone audiometry in monitoring for ototoxicity. Tange RA, et al. **Arch Otorhinolaryngol** 1985; 242(1):77-81

TNO-6-induced acute renal failure. A case report. Offerman JJ, et al. **Cancer** 1985 Oct 1;56(7):1511-4

Phase I study of the cisplatin analogue 1,1-diamminomethylcyclohexane sulfatoplatinum (TNO-6) (NSC 311056). Sørensen JB, et al. **Cancer Chemother Pharmacol** 1985;15(2):97-100

Nephrotoxicity of 1,1-diaminomethylcyclohexane sulphato platinum II (spiroplatin; TNO-6). Offerman JJ, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):447-51

A phase I trial of cis-diammine-1,1-cyclobutane dicarboxylate platinum II (Carboplatin, CBDCA, JM-8) with a single dose every five week-schedule. Joss RA, et al. **Invest New Drugs** 1984;2(3):297-304

ANALYSIS

Analysis of antitumour [1,1-bis(aminomethyl)cyclohexane]platinum(II) complexes derived from spiroplatin by high-performance liquid chromatography with differential pulse amperometric detection. Elferink F, et al. **J Chromatogr** 1985 Mar 1; 320(2):379-92

Determination of ethylenediamineplatinum(II) malonate in infusion fluids, human plasma and urine by high-performance liquid chromatography. van der Vijgh WJ, et al. **J Chromatogr** 1984 Oct 12;310(2):335-42

High-performance liquid chromatographic investigations on the time-dependent reaction of cis-Pt(NH3)2Cl2, Pt(en)Cl2 and Pt(pn)Cl2 with RNA fragments. Wenclawiak B, et al. **J Chromatogr** 1984 Jul 27;296:395-401

The reaction of Pt-antitumor drugs with selected nucleophiles. II. Preparation and characterization of coordination compounds of Pt(II) and L-histidine. Saudek V, et al. **J Inorg Biochem** 1985 Jan;23(1):55-72

BLOOD

In vitro plasma binding of some second generation antitumor platinum complexes. Momburg R, et al. **Eur J Drug Metab Pharmacokinet** 1985 Jan-Mar; 10(1):77-83

CHEMICAL SYNTHESIS

Microscale syntheses of anti-tumour platinum compounds labelled with 191Pt. Baer J, et al. **Int J Appl Radiat Isot** 1985 Mar;36(3):181-4

Dichloro[1,2-bis(4-hydroxyphenyl)ethylenediamine]platin complexes: an approach to develop compounds with a specific effect on the hormone-dependent mammary carcinoma. Wappes B, et al. **J Med Chem** 1984 Oct; 27(10):1280-6

New platinum (II) and platinum (IV) complexes with 1,2-diaminocyclohexane. Synthesis and in vitro and in vivo antitumour evaluation. Craciunescu DG, et al. **J Pharm Belg** 1985 Mar-Apr;40(2):79-84

[Cis-dichloro(bis(oligopeptide ester))platinum (II) complexes: studies on the demonstration of their antitumor action with a bacteriological test system] Seidenberger H, et al. **Arch Pharm (Weinheim)** 1984 Sep;317(9):760-7 (Eng. Abstr.) **(Ger)**

METABOLISM

Interaction of the antitumor agents cis,cis,trans-PtIV(NH3)2Cl2(OH)2 and cis,cis,trans-PtIV[(CH3)2CHNH2]2Cl2(OH)2 and their reduction products with PM2 DNA. Blatter EE, et al. **Biochemistry** 1984 Oct 9;23(21):4817-20

In vivo distribution studies of radioactively labelled platinum complexes; cis-dichlorodiammine platinum(II), cis-trans-dichlorodihydroxy-bis-(isopropylamine) platinum(IV), cis-dichloro-bis-cyclopropylamine platinum(II), and cis-diammine 1,1-cyclobutanedicarboxylate platinum(II) in patients with malignant disease, using a gamma camera. Owens SE, et al. **Cancer Chemother Pharmacol** 1985;14(3):253-7

Biliary excretion of platinum in rats after administration of cisplatin and aqua(1,1-bis(aminomethyl)-cyclohexane)sulfatoplatinum(II (spiroplatin, TNO-6). Van der Vijgh WJ, et al. **Cancer Lett** 1985 Aug;28(1):103-9

PHARMACODYNAMICS

Antitumor activity of 1-OHP in mice. Mathé G, et al. **Cancer Lett** 1985 Jun;27(2):135-43

Ascorbato(1,2-diaminocyclohexane):platinum(II) complexes, a new series of water-soluble antitumor drugs. Hacker MP, et al. **Cancer Res** 1985 Oct;45(10):4748-53

A comparative study of the cytotoxicity and DNA-damaging effects of cis-(diammino)(1,1-cyclobutanedicarboxylato)-platinum(II and cis-diamminedichloroplatinum(II) on L1210 cells. Micetich KC, et al. **Cancer Res** 1985 Sep;45(9):4043-7

Murine leukemia L1210 cell lines with different patterns of resistance to platinum coordination complexes. Eastman A, et al. **Cancer Treat Rep** 1984 Sep;68(9):1189-90

On the synthesis, cytostatic and antitumor properties of new Pt(II) and Pt(IV) complexes with chloroanilines. Craciunescu DG, et al. **Chem Biol Interact** 1985 Feb-Apr; 53(1-2):45-56

Phosphate buffer and salt medium concentrations affect the inactivation of T4 phage by platinum(II) complexes. Pedersen HB, et al. **Chem Biol Interact** 1985 Jun;54(1):1-8

Evidence for similar structural changes on binding of platinum anti-tumor agents to DNA and nucleosomes. Marzilli LG, et al. **FEBS Lett** 1984 Oct 29;176(2):389-92

Radiosensitization of EMT6 cells by four platinum complexes. Teicher BA, et al. **Int J Radiat Oncol Biol Phys** 1985 May;11(5):937-41

Activity of platinum(II) intercalating agents against murine leukemia L1210. McFadyen WD, et al. **J Med Chem** 1985 Aug;28(8):1113-6

In vitro and in vivo activity of two second generation platinum analogs in murine bladder cancer. Niell HB, et al. **J Urol** 1985 Aug;134(2):399-402

Cytotoxicity of cisplatin and cisdiammine-1,1-cyclobutane dicarboxylate in MGH-U1 cells grown as monolayers, spheroids, and xenografts. Erlichman C, et al. **JNCI** 1985 Sep;75(3):499-505

[Optical properties of DNA complexes with antitumor compounds of bivalent platinum] Akimenko NM, et al. **Antibiotiki** 1984 Oct;29(10):743-8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

The radiation chemistry of some platinum-containing radiosensitizers and related compounds. Butler J, et al. **Radiat Res** 1985 Apr;102(1):1-13

THERAPEUTIC USE

Phase II trial of 1,2-diaminocyclohexane-(4-carboxyphthalato) platinum(II) (DACCP) in colorectal carcinoma. Sternberg C, et al. **Am J Clin Oncol** 1984 Oct;7(5):503-5

Advanced seminoma: treatment with cis-platinum-based combination chemotherapy or carboplatin (JM8). Peckham MJ, et al. **Br J Cancer** 1985 Jul;52(1):7-13

Comparative activity and distribution studies of five platinum analogues in nude mice bearing human ovarian carcinoma xenografts. Boven E, et al. **Cancer Res** 1985 Jan;45(1):86-90

Pharmacokinetics and dosage reduction of cis-diammine(1,1-cyclobutanedicarboxylato)platinum in patients with impaired renal function. Egorin MJ, et al. **Cancer Res** 1984 Nov;44(11):5432-8

Response of nude mouse-grown human urothelial cancer to cis-diamminedichloroplatinum(II), diammine[1,1-cyclobutanedicarboxylato(2-)-O,O'-platinu and mitoguazone dihydrochloride. Kyriazis AP, et al. **Cancer Res** 1985 May;45(5):2012-5

Response of nude mouse-grown adenocarcinomas of the human exocrine pancreas to cis-diamminedichloroplatinum(II), diammine[1,1-cyclobutanedicarboxylato(2-)-O,O'-platinu and mitoguazone dihydrochloride. Kyriazis AP, et al. **Cancer Res** 1985 Sep;45(9):4354-9

Phase II trial of carboplatin in advanced breast carcinoma: a Cancer and Leukemia Group B Study. Booth BW, et al. **Cancer Treat Rep** 1985 Jul-Aug;69(7-8):919-20

Activity of JM9 in advanced ovarian cancer: a phase I-II trial. Bramwell VH, et al. **Cancer Treat Rep** 1985 Apr; 69(4):409-16

Phase II trial of 1,2-diaminocyclohexane-(4-carboxyphthalato) platinum(II) in patients with refractory germ cell tumors. Chun H, et al. **Cancer Treat Rep** 1985 Apr;69(4):459-60

Carboplatin: a very active new cisplatin analog in the treatment of small cell lung cancer. Smith IE, et al. **Cancer Treat Rep** 1985 Jan;69(1):43-6

Phase I clinical and pharmacologic trial of carboplatin daily for 5 days. Van Echo DA, et al. **Cancer Treat Rep** 1984 Sep;68(9):1103-14

In vivo and in vitro effectivity of some platinum complexes. Balážová E, et al. **Neoplasma** 1984;31(6):641-7

Drug resistance induction and cross-resistance studies with Pt-complexes. Hrubiško M, et al. **Neoplasma** 1984; 31(6):649-53

[A review of selected cytostatic agents based on platinum] Hejl J, et al. **Vnitr Lek** 1985 Jun;31(6):577-84 (44 ref.) (Eng. Abstr.) **(Cze)**

[Antitumor effect of JM-8 (a cisplatin analogue) on testicular cancer cells in vitro and in vivo] Hashimura T, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):1137-42 (Eng. Abstr.) **(Jpn)**

[Platinum complexes as potential antineoplastic drugs] Kuduk-Jaworska J. **Postepy Hig Med Dosw** 1984 May-Jun; 38(3):281-322 (257 ref.) (Eng. Abstr.) **(Pol)**

[Antitumor activity of mixed cis-complexes of platinum(II) with ammonia and cycloalkylamines] Konovalova AL, et al. **Dokl Akad Nauk SSSR** 1985 Mar-Apr;281(1):200-3 **(Rus)**

TOXICITY

Influence of hydrolysis products of aqua(1,1-bis(aminomethyl)cyclohexane)sulfatoplatinum(II) on toxicity in rats. Elferink F, et al. **Cancer Lett** 1984 Nov; 25(1):61-9

Chromosomal aberrations, sister chromatid exchange (SCEs) and micronuclei induction with three platinum compounds (cis-DDP, CHIP, CBDCA) in V79 cells in vitro. Pleškova

I, et al. **Neoplasma** 1984;31(6):655-9

ORGANOTHIOPHOSPHORUS COMPOUNDS

see related
INSECTICIDES, ORGANOTHIOPHOSPHATE

Evaluation of chlorphoxim used against Anopheles albimanus on the south coast of Mexico: 2. Use of two curtain-trap techniques in a village-scale evaluation trial. Bown DN, et al. **Bull Pan Am Health Organ** 1985;19(1):61-8

Evaluation of chlorphoxim used against Anopheles albimanus on the south coast of Mexico: 1. Results of indoor chlorphoxim applications and assessment of the methodology employed. Bown DN, et al. **Bull Pan Am Health Organ** 1984;18(4):379-88

Evaluation of pirimiphos methyl WDP for control of malaria in Tirap district of Arunachal Pradesh. A preliminary report. Sharma GK, et al. **J Commun Dis** 1985 Mar; 17(1):77-86

Efficacy of pirimiphos methyl as a larvicide or adulticide against insecticide resistant and susceptible mosquitoes (Diptera: Culicidae). Hemingway J, et al. **J Econ Entomol** 1984 Aug;77(4):868-71

Evidence for sequence-specific conformational changes in DNA from the melting temperatures of DNA phosphorothioate derivatives. Suggs JW, et al. **Nucleic Acids Res** 1985 Aug 12;13(15):5707-16

Some electrostatic aspects of the interaction between DNA or lipids and WR-2721 or its metabolite WR-1065. Vasilescu D, et al. **Prog Clin Biol Res** 1985;172A:525-36

[Experimental observation on the effectiveness of pirimiphosmethyl and decamethrin against Anopheles sinensis] Yang BJ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(1):42-4 (Eng. Abstr.) **(Chi)**

[Controlled-release tubes containing phoxim in killing larvae of Aedes albopictus] Lu SD. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1985 Jun; 6(3):156-8 (Eng. Abstr.) **(Chi)**

[Criteria of calculation methods for the determination of safety levels of harmful substances] Koviazin VG. **Gig Tr Prof Zabol** 1985 Feb;(2):60-1 **(Rus)**

ADMINISTRATION & DOSAGE

Effect of the radioprotector WR 2721 on the response of metastatic Lewis lung carcinoma colonies to alkylating agents. Wist EA. **Acta Radiol [Oncol]** 1985 May-Jun; 24(3):259-62

[The effect of cystaphos on the occurrence of hemorrhagic diathesis in the acute radiation syndrome] Milošević Z, et al. **Vojnosanit Pregl** 1984 Sep-Oct;41(5):320-5 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Presumptive organophosphate-induced delayed neurotoxicity in a paralyzed bull. Perdrizet JA, et al. **Cornell Vet** 1985 Jul;75(3):401-10

Human exposure to DEF/merphos. Kilgore W, et al. **Residue Rev** 1984;91:71-101 (11 ref.)

ANALYSIS

Snow peas and acephate. Confirmation of illegal pesticide residues. Cairns T, et al. **Anal Chem** 1985 Apr; 57(4):572A-576A

Chemical ionization mass spectrometry of isofenphos and its metabolites. Cairns T, et al. **Anal Chem** 1984 Nov; 56(13):2547-52

Dislodgeable residues of carbophenothion in Florida citrus: implications for safe worker reentry. de Batista GC, et al. **Bull Environ Contam Toxicol** 1985 Aug;35(2):213-21

Stereochemical analysis of the nerve agents soman, sarin, tabun, and VX by proton NMR-spectroscopy with optically active shift reagents. Van den Berg GR, et al. **Bull Environ Contam Toxicol** 1984 Nov;33(5):505-14

Analysis of S-35 labeled WR-2721 and its metabolites in biological fluids. Anderson KW, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1511-5

High-performance liquid chromatographic analysis of the photodegradation products of phosmethylan. Kovács GH. **J Chromatogr** 1985 Mar 29;322(1):265-6

Detection of phosmethylan and its major metabolites by thin-layer chromatography. Kovács GH. **J Chromatogr** 1984 Oct 26;303(1):309-11

Improved analysis of acephate and methamidophos in biological samples by selective ion monitoring gas chromatography-mass spectrometry. Singh AK. **J Chromatogr** 1984 Oct 5;301(2):465-9

[Hygienic substantiation of the maximum allowable concentration of the pesticide valexon in soil] Kuznetsov AV. **Gig Sanit** 1984 Nov;(11):21-3 (Eng. Abstr.) **(Rus)**

BLOOD

Measurement of WR-2721, WR-1065, and WR-33278 in plasma. Fahey RC, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1193-7

An improved HPLC assay for S-2-(3-aminopropylamino)ethyl phosphorothioate (WR-2721) in plasma. Swynnerton NF, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1521-4

CHEMICAL SYNTHESIS

Synthesis and reactions of a nucleoside derivative of phosphoric sulfonic anhydride. Studies related to the mechanisms of coupling reactions in the chemical synthesis of oligodeoxyribonucleotides by phosphotriester procedures. Dabkowski W, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):9123-35

METABOLISM

Interaction of O,O,S-trimethyl phosphorothioate and O,S,S-trimethyl phosphorodithioate, the impurities of malathion with supercoiled PM2 DNA. Richardson RJ 2d, et al. **Biochem Biophys Res Commun** 1985 Feb 15; 126(3):1251-8

Metabolism of phosphorus-containing compounds by pig liver microsomal FAD-containing monooxygenase. Smyser BP, et al. **Biochem Pharmacol** 1985 Apr 15; 34(8):1145-50

Metabolic fate of O-[4-[(4-chlorophenyl)thio]phenyl] O-ethyl S-propyl phosphorothioate in a lactating cow. Ivie GW, et al. **Bull Environ Contam Toxicol** 1985 Mar; 34(3):309-16

Trialkyl phosphorothioates and glutathione S-transferases. Aldridge WN, et al. **Chem Biol Interact** 1985 Jul; 54(2):243-56

Polyamine effects on cytochrome P-450- and flavin-containing monooxygenase-mediated oxidation of xenobiotics. Osimitz TG, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):197-203

Alkaline phosphatase promotes radioprotection and accumulation of WR-1065 in V79-171 cells incubated in medium containing WR-2721. Calabro-Jones PM, et al. **Int J Radiat Biol** 1985 Jan;47(1):23-7

Dephosphorylation of WR-2721 with mouse tissue homogenates. Mori T, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1529-31

Pharmacokinetics of WR-1065 in mouse tissue following treatment with WR-2721. Utley JF, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1525-8

Variation in normal tissue responsiveness to WR-2721. Yuhas JM, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1537-9

Cleavage of phosphorothioate-substituted DNA by restriction endonucleases. Potter BV, et al. **J Biol Chem** 1984 Nov 25;259(22):14243-8

Hydrolytic and metabolic products of acephate in water and mouse liver. Chukwudebe AC, et al. **J Environ Sci Health [B]** 1984 Aug;19(6):501-22

Biodistribution of the radioprotective drug 35S-labeled 3-amino-2-hydroxypropyl phosphorothioate (WR77913). Rasey JS, et al. **Radiat Res** 1985 Apr;102(1):130-7

[Renal excretion of dimethylphosphate and its thio-derivatives following application of dimethoate, bromophos, naled or trichlorfon to rats] Riemer F, et al. **Nahrung** 1985;29(3):299-302 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

A comparative study of guanine N7-alkylation in mice in vivo by the organophosphorus insecticides trichlorphon, dimethoate, phosmet and bromophos. Dedek W, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Aug;55(2):104-9

Hypothermia produced by tributyl S,S,S-phosphorotrithioate (DEF). Ray DE, et al. **Arch Toxicol** 1985 Feb;56(4):279-82

Inhibition of radiation carcinogenesis in mice by S-2-(3-aminopropylamino)-ethylphosphorothioic acid. Milas L, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5567-9

Reduction of house dust mite allergen levels in the home: use of the acaricide, pirimiphos methyl. Mitchell EB, et al. **Clin Allergy** 1985 May;15(3):235-40

Combined action of carbaryl and phenthoate on tissue lipid derivatives of murrel, Channa punctatus (Bloch). Rao KS, et al. **Ecotoxicol Environ Safety** 1985 Feb;9(1):107-11

Action of organophosphates on the electroretinogram of rainbow trout. Kreft WD, et al. **Exp Biol** 1985;44(1):19-27

WR-2721 inhibition of radiation-induced prostaglandin excretion in rats. Donlon M, et al. **Int J Radiat Biol** 1985 Feb;47(2):205-12

Alterations in oxygen transport following WR-2721. Glover D, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1565-8

Protection of spermatogonial survival and testicular function by WR-2721 against high and low doses of radiation. Meistrich ML, et al. **Int J Radiat Oncol Biol Phys** 1984 Nov;10(11):2099-107

Radioprotection by WR-2721 of gamma-irradiated rat parotid gland: effect on gland weight and secretion at 8-10 days post irradiation. Menard TW, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1555-9

Radioprotection of mouse skin vasculature and the RIF-1 fibrosarcoma by WR-2721. Penhaligon M. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1541-4

The oxygen dependence of protection by aminothiols: implications for normal tissues and solid tumors. Travis EL. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1495-501 (50 ref.)

Dose and interval relationship for the interaction of WR-2721 and nitrogen mustard with normal and malignant cells. Valeriote F, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1561-4

Bone and parathyroid inhibitory effects of S-2(3-aminopropylamino)ethylphosphorothioic acid. Studies in experimental animals and cultured bone cells. Attie MF, et al. **J Clin Invest** 1985 Apr;75(4):1191-7

Development of tolerance to a pneumotoxic impurity of malathion. Imamura T, et al. **J Toxicol Environ Health** 1985;15(2):279-91

Acute hemodynamic changes in rats after intramuscular administration of a radioprotective dose of WR-2721: a comparison with cystamine. Kuna P, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1983;26(2):225-32

Inhibitory effect of various organophosphorus esters on rat liver malathion carboxylesterase in vitro: role of mixed-function oxidases. Hasegawa L, et al. **Toxicol Lett** 1985 Aug;26(2-3):225-31

[Dose dependence and mechanism of the acute effect of methamidophos on the immune system of the mouse] Tiefenbach B, et al. **Z Gesamte Hyg** 1985 Apr;31(4):228-31 (Eng. Abstr.) **(Ger)**

POISONING

Organophosphate insecticide poisoning. Kipling RM, et al. **Anaesthesia** 1985 Mar;40(3):281-4

Famphur toxicosis in a bald eagle. Franson JC, et al. **J Wildl Dis** 1985 Jul;21(3):318-20

[Combined effect of organophosphate pesticides and ammonia released from fertilizers] Sapegin DI, et al. **Gig Sanit** 1985 May;(5):90-2 **(Rus)**

THERAPEUTIC USE

Treatment of hypercalcemia in parathyroid cancer with WR-2721, S-2-(3-aminopropylamino)ethyl-phosphorothioic acid. Glover DJ, et al. **Ann Intern Med** 1985 Jul;103(1):55-7

Lung radioprotection by WR-2721 at low X-ray doses per fraction. Parkins C, et al. **Eur J Cancer Clin Oncol** 1984 Nov;20(11):1445-50

Oxygen-dependent protection of radiation lung damage in mice by WR 2721. Down JD, et al. **Int J Radiat Biol** 1984 Nov;46(5):597-607

Phase I controlled trials of WR-2721 and cyclophosphamide. Glick JH, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1777-80

Phase I trials of WR-2721 and cis-platinum. Glover D, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1781-4

The influence of X ray dose levels on normal tissue radioprotection by WR-2721. Rojas A, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2351-6

Protection of mouse lung by WR-2721 after fractionated doses of irradiation. Travis EL, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):521-6

Late functional and biochemical changes in mouse lung after irradiation: differential effects of WR-2721. Travis EL, et al. **Radiat Res** 1985 Aug;103(2):219-31

Control of sheep scab and other sheep ectoparasites with propetamphos. Bramley PS, et al. **Vet Rec** 1984 Nov 3; 115(18):460-3

[Clinical use of radioprotector amifostine (YM-08310)] Takahashi I, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Nov 25; 44(11):1396-404 (Eng. Abstr.) **(Jpn)**

[Acute toxicity and radioprotective effectiveness of gammaphos on intramuscular administration to mice] Kuna P. **Radiobiologiia** 1985 Jan-Feb;25(1):59-62 (Eng. Abstr.) **(Rus)**

TOXICITY

Ultrastructural changes in rat Clara cells induced by a single dose of O,S,S-trimethyl phosphorodithioate. Dinsdale D, et al. **Arch Toxicol** 1984 Nov;56(1):59-65

Antidotes and neuropathic potential of isofenphos. Wilson BW, et al. **Bull Environ Contam Toxicol** 1984 Oct; 33(4):386-94

Studies on some biological differences between the chiral forms of methyl-1-naphthyl-p-nitrophenyl phosphorothionate. Akintonwa DA. **Ecotoxicol Environ Safety** 1985 Feb;9(1):53-63

Effects of aerial applications of cypermethrin and demeton-S-methyl on nontarget arthropods of wheat. Shires SW. **Ecotoxicol Environ Safety** 1985 Aug;10(1):1-11

Studies on toxic effect of WR-2721 in mouse. Uma Devi P, et al. **Indian J Med Sci** 1984 Apr;38(4):65-9

Toxicity of WR-2721 administered in single and multiple doses. Kligerman MM, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1773-6

Cytotoxic effects of WR-2721 on mouse testicular cells. Meistrich ML, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1551-4

Studies on the toxicity, metabolism, and anticholinesterase properties of acephate and methamidophos. Hussain MA, et al. **J Environ Sci Health [B]** 1985 Feb;20(1):129-47

Delayed neuropathy in adult Peking ducks induced by some organophosphorus esters. Soliman SA, et al. **J Toxicol Environ Health** 1984;14(5-6):789-801

Protective effect of drug metabolism inducer and inhibitor on O,O,S-trimethyl phosphorothioate induced delayed toxicity in rats. Imamura T. **Proc West Pharmacol Soc** 1984; 27:155-61

Cellular responses to O,O,S-trimethyl phosphorothioate-induced pulmonary injury in rats. Gandy J, et al. **Toxicol Appl Pharmacol** 1985 Aug;80(1):51-7

Organophosphorus insecticide induced decrease in plasma luteinizing hormone concentration in white-footed mice.

Rattner BA, et al. **Toxicol Lett** 1985 Jan;24(1):65-9

Toxicity studies on the radioprotective agent WR-2721 in CDF1 mice and beagle dogs. Palmer TE, et al. **Toxicol Pathol** 1985;13(1):58-65

Genotoxic potential of acephate technical: in vitro and in vivo effects. Carver JH, et al. **Toxicology** 1985 May; 35(2):125-42

[The acute toxicity of eserine, VX and paraoxon for the establishment of a mathematical model for extrapolation to humans] Leblic C, et al. **Arch Belg** 1984;Suppl:226-42 (Eng. Abstr.) **(Fre)**

[Intensifying effect of repeated pretreatment for delayed neurotoxicity from organophosphorus insecticide cyanofenphos in hens] Yamauchi T, et al. **Nippon Eiseigaku Zasshi** 1984 Aug;39(3):611-20 (Eng. Abstr.) **(Jpn)**

[Changes in the biochemical indicators of the blood after exposure to phosalone] Glukhova LG. **Gig Sanit** 1985 Feb; (2):73 **(Rus)**

[Hygienic estimation of soil contamination by heterophos] Ivashina SA. **Gig Sanit** 1984 Nov;(11):76-7 **(Rus)**

[Basis for the sanitary standard for ricid-II in the air of the working place] Manenko AK, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):52-3 **(Rus)**

[Toxico-hygienic evaluation of zinc dialkyldithiophosphates in oil compositions of lubricating-cooling liquids] Porutskii GV, et al. **Gig Tr Prof Zabol** 1984 Aug;(8):54-5 **(Rus)**

[Toxic action of ricid-II on the eye] Riza LV, et al. **Gig Tr Prof Zabol** 1985 Mar;(3):50-2 **(Rus)**

ORGANOTIN COMPOUNDS

Technoeconomic and environmental assessment of industrial organotin compounds. Wilkinson RR. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):141-58

ANALYSIS

A modified phenylfluorone method for determining organotin compounds in the ppb and sub-ppb range. Sherman LR, et al. **J Anal Toxicol** 1980 Jan-Feb;4(1):31-3

Determination of trialkyltin, dialkyltin, and triphenyltin compounds in environmental water and sediments. Hattori Y, et al. **J Chromatogr** 1984 Dec 19;315:341-9

Methyltin mercaptide stabilizers employed in polyvinyl chloride water pipe. Kauder OS. **J Toxicol Environ Health** 1984;14(2-3):471-4

Organotin compounds and international treaties on the pollution of water by dangerous substances: black or grey list substances? Vrijhof H. **Sci Total Environ** 1985 Jun; 43(3):221-31

[Transformation reactions of special metals in organisms and in the environment. 2. Abiotic methylation reactions of mercury, especially by methyltin compounds and humic and fulvic acids] Woggon H, et al. **Nahrung** 1984; 28(8):851-62 (Eng. Abstr.) **(Ger)**

[Study on the gas chromatographic determination of dibutyltin compounds in food containers and packing materials made of polyvinyl chloride, which was proposed by Japan Hygienic PVC Association] Yamazaki T, et al. **Eisei Shikenjo Hokoku** 1984;(102):129-33 (Eng. Abstr.) **(Jpn)**

METABOLISM

Bioorganotin chemistry: a commentary on the reactions of organotin compounds with a cytochrome P-450 dependent monooxygenase enzyme system. Fish RH. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):159-61

[Transformation reactions of special metals in organisms and in the environment. 3. In vivo reactions between mercury II chloride and monomethyltin trichloride in rats] Woggon H, et al. **Nahrung** 1984;28(9):995-1002 (Eng. Abstr.) **(Ger)**

[Chromatographic method of analyzing dioctyltin maleate in the sanitary-chemical analysis of polyvinyl chloride products] Novitskaia LP, et al. **Gig Sanit** 1985 Feb;(2):52-4 **(Rus)**

PHARMACODYNAMICS

Differential effects of triphenyltin and 8-azido-ATP on the ATP synthesis, ATP-Pi exchange, and ATP hydrolysis in liposomes containing ATP synthase and bacteriorhodopsin. Van der Bend RL, et al. **Arch Biochem Biophys** 1985 Sep;241(2):461-71

Inhibition of neutrophil chemotaxis by organotin compounds. Arakawa Y, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):543-8

Inhibition of carrageenan edema formation by organotin compounds. Arakawa Y, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):59-63

Altered induction response of hepatic cytochrome P-450 to phenobarbital, 3-methylcholanthrene, and beta-naphthoflavone in organotin-treated animals. Rosenberg DW, et al. **Biochem Pharmacol** 1985 Apr 1; 34(7):997-1005

Possible pre-dissociation of diorganotin dihalide complexes: relationship between antitumour activity and structure. Crowe AJ, et al. **Cancer Lett** 1984 Aug;24(1):45-8

Acute effects of organotins on brain, liver and kidney in rats. Dwivedi RS, et al. **Ind Health** 1985;23(1):9-15

Histopathological effects of bisazir and triphenyl tin chloride on the ovary of Periplaneta americana (Blattaria: Blattidae). Mishra RK, et al. **J Invertebr Pathol** 1984 Nov;44(3):349-50

Central neurotransmitter effects of organotin compounds: trials, tribulations and observations. Hanin I, et al. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):267-77

The influence of amprolium and butynorate on growth rate and feed utilization by large white turkeys. Spencer GK, et al. **Poult Sci** 1985 Apr;64(4):610-5

Inhibition of gamma-[3H]aminobutyric acid uptake by organotin compounds in vitro. Costa LG. **Toxicol Appl Pharmacol** 1985 Jul;79(3):471-9

[The effect of di-n-octyl tin dichloride (DOTC) on immunocompetent organs and immunoreactivity of rats] Gründel M, et al. **Pharmazie** 1984 Aug;39(8):565-9 (Eng. Abstr.) **(Ger)**

[Effect of triphenyltin chloride on superoxide (O2-.) production in human neutrophils] Matsui H, et al. **Sangyo Igaku** 1984 Mar;26(2):165-9 (Eng. Abstr.) **(Jpn)**

[Effect of organotin compounds on lactate dehydrogenase isoenzyme content of the liver and blood serum of rats] Levitskaia VN, et al. **Gig Sanit** 1985 Jan;(1):91-2 **(Rus)**

TOXICITY

Meso-2,3-dimercaptosuccinic acid increases the inhibition of glutathione S-transferase activity from rat liver cytosol supernatants by di-n-butyltin dichloride. Hennighausen G, et al. **Arch Toxicol** 1985 Apr;57(1):67-8

Acute and sublethal effects of organotin compounds on aquatic biota: an interpretative literature evaluation. Hall LW Jr, et al. **CRC Crit Rev Toxicol** 1985;14(2):159-209 (101 ref.)

Testicular changes in rats after administration of organotin complex. Saxena A, et al. **J Toxicol Environ Health** 1985; 15(3-4):503-7

Developmental neuropathology of organotin compounds. Reuhl KR, et al. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):187-204 (64 ref.)

Mechanisms of dialkyltin induced immunopathology. Penninks AH, et al. **Vet Q** 1984 Sep;6(4):209-15 (46 ref.)

[Non-protein sulfhydryl groups and glutathione-S-transferases in acute toxic effects of Di-n-alkyltin dichlorides in mice and rats] Hennighausen G, et al. **Pharmazie** 1985 Jun;40(6):415-6 (Eng. Abstr.) **(Ger)**

[Modification of the acute toxic effects of di-n-butyl tin dichloride of meso-2,3-dimercaptosuccinic acid] Merkord J, et al. **Pharmazie** 1984 Aug;39(8):572-3 **(Ger)**

ORGASM

Reversal of MAOI-induced anorgasmia with cyproheptadine [letter] Decastro RM. **Am J Psychiatry** 1985 Jun;142(6):783

Analysis of a treatment program for primary orgastic dysfunction. Adkins E, et al. **Behav Res Ther** 1985; 23(2):119-26

Inhibited sexual desire and orgasmic dysfunction in women. LaFerla JJ. **Clin Obstet Gynecol** 1984 Sep;27(3):738-49

A comparison of three therapeutic formats in the treatment of secondary orgasmic dysfunction. Libman E, et al. **J Sex Marital Ther** 1984 Fall;10(3):147-59

Sexual behavior, responsiveness, and attitudes among women: a test of two theories. Newcomb MD. **J Sex Marital Ther** 1984 Winter;10(4):272-86

Anaesthetic ejaculation. Williams W. **J Sex Marital Ther** 1985 Spring;11(1):19-29

Sexual function and female radical cystectomy: a case series. Schover LR, et al. **J Urol** 1985 Sep;134(3):465-8

DRUG EFFECTS

Inhibited female orgasm as a side effect of alprazolam [letter] Sangal R. **Am J Psychiatry** 1985 Oct;142(10):1223-4

PHYSIOLOGY

Effect of pubococcygeal exercise on female sexuality: comment on Chambless et al. Jayne CE. **J Consult Clin Psychol** 1985 Apr;53(2):269-72

ORIENTAL, MEDICINE TRADITIONAL see **MEDICINE, ORIENTAL TRADITIONAL**

ORIENTAL SORE see **LEISHMANIASIS**

ORIENTATION

Use of environmental manipulation and classroom and modified informal reality orientation with institutionalized, confused elderly patients. Reeve W, et al. **Age Ageing** 1985 Mar;14(2):119-21

Improving profoundly mentally retarded adults' performance on a position discrimination. Bell J, et al. **Am J Ment Defic** 1984 Sep;89(2):180-6

Electrophysiological confirmation of orientation-specific contrast losses in multiple sclerosis. Kupersmith MJ, et al. **Ann NY Acad Sci** 1984;436:487-91

Persistence of working memory of rats in an aversively motivated radial maze task. Bolhuis JJ, et al. **Behav Brain Res** 1985 Jan;15(1):43-9

Long-term changes of orienting behavior in cats with artificial divergent strabismus. Von Grünau MW. **Behav Brain Res** 1984 Aug;13(2):139-53

The effect of hypothermia on the rat's spatial memory in the water tank task. Panakhova E, et al. **Behav Neural Biol** 1984 Nov;42(2):191-6

Memory aids in reality orientation: a single-case study. Hanley IG, et al. **Behav Res Ther** 1984;22(6):709-12

The skin conductance orienting response in neuroleptic-free schizophrenics: replication of the scoring criteria effect. Levinson DF, et al. **Biol Psychiatry** 1985 Jun;20(6):646-53

Orthogonality of patterns does not predict their discriminability. Emerson VF, et al. **Can J Psychol** 1984 Dec;38(4):551-60

An information-processing analysis of children's accuracy in predicting the appearance of rotated stimuli. Rosser RA, et al. **Child Dev** 1984 Dec;55(6):2204-11

The implications of OX3. Pinsker H. **Compr Psychiatry** 1984 Sep-Oct;25(5):473-7

Mental rotation and visual laterality in normal and reading disabled children. Corballis MC, et al. **Cortex** 1985 Jun; 21(2):225-36

Development of home orientation in offspring of protein-restricted cats. Gallo PV, et al. **Dev Psychobiol** 1984 Sep;17(5):437-49

Reinforced and nonreinforced head-turn responses of infants as a function of stimulus bandwidth. Thompson G, et al. **Ear Hear** 1985 May-Jun;6(3):125-9

Neuropsychological analysis of a case of reduplicative paramnesia. Patterson MB, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):111-21

The role of self-produced movement and visual tracking in infant spatial orientation. Acredolo LP, et al. **J Exp Child Psychol** 1984 Oct;38(2):312-27

Effects of sound frequency on behavioral and cardiac orienting in newborn and five-month-old infants. Morrongiello BA, et al. **J Exp Child Psychol** 1984 Dec; 38(3):429-46

Word recognition under spatial transformation in retarded and normal readers. Richardson G. **J Exp Child Psychol** 1984 Oct;38(2):220-40

Flexible memory processing by rats: use of prospective and retrospective information in the radial maze. Cook RG, et al. **J Exp Psychol [Anim Behav]** 1985 Jul;11(3):453-69

Spatial and movement-based heuristics for encoding pattern information through touch. Lederman SJ, et al. **J Exp Psychol [Gen]** 1985 Mar;114(1):33-49

Automatic and attentional components in perception of shape-at-a-slant. Epstein W, et al. **J Exp Psychol [Hum Percept]** 1985 Jun;11(3):355-66

Handedness and sex differences in selective interference of verbal and spatial information. Nagae S. **J Exp Psychol [Hum Percept]** 1985 Jun;11(3):346-54

The mental representation of knowledge acquired from maps. McNamara TP, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Oct;10(4):723-32

Building spatial representations through primary and secondary learning. Presson CC, et al. **J Exp Psychol [Learn Mem Cogn]** 1984 Oct;10(4):716-22

The effect of diagonality on reconstruction of patterns by preschool children. Madison LS, et al. **J Gen Psychol** 1985 Jan;112(1):43-52

Evidence for echolocation in the oldest known bats. Novacek MJ. **Nature** 1985 May 9-15;315(6015):140-1

Nervous reactivity changes in patients with epileptogenic cerebral tumours (II). Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1985 Jan-Mar;23(1):23-33

Bisecting rods and lines: effects of horizontal and vertical posture on left-side underestimation by normal subjects. Bradshaw JL, et al. **Neuropsychologia** 1985;23(3):421-5

Acute angle enlargement and the Zoellner illusion. Predebon J. **Percept Mot Skills** 1984 Aug;59(1):101-2

Psychology of spaceflight: II. Suggested bases of space motion sickness: perceptual disorientation and elevated stomach pH. Stewart R. **Percept Mot Skills** 1985 Feb; 60(1):189-90

Space flight: III. Isolation of perceptual variable in parabola flight sickness with countermeasure to lower gastric pH. Stewart R. **Percept Mot Skills** 1985 Jun;60(3):960-2

Effects of intertrial interval, orientation, and adaptation on orientation discrimination measured with a yes-no signal detection paradigm. Valle V, et al. **Percept Mot Skills** 1984 Dec;59(3):743-8

Information about three-dimensional shape and direction of illumination in a square-wave grating. Bergström SS, et al. **Perception** 1984;13(2):129-40

Errors towards the perpendicular in children's copies of angular figures: a test of the bisection interpretation. Bremner JG. **Perception** 1984;13(2):117-28

Human orientation with restricted sensory information: no evidence for magnetic sensitivity. Fildes BN, et al. **Perception** 1984;13(3):229-36

Parallel-alleys and distance-alleys on horopter plane in the dark. Indow T, et al. **Perception** 1984;13(2):165-82

Visual dissociations of movement, position, and stereo depth: some phenomenal phenomena. Gregory RL, et al. **Q J Exp Psychol [A]** 1983 Feb;35 (Pt 1):217-37

Routes to object constancy: implications from neurological impairments of object constancy. Humphreys GW, et al. **Q J Exp Psychol [A]** 1984 Aug;36(3):385-415

Movement cues and body orientation in recall of locations by blind and sighted children. Millar S. **Q J Exp Psychol [A]** 1985 May;37(2):257-79

Müller-Lyer: illusion of size or position? Stuart GW, et al. **Q J Exp Psychol [A]** 1984 Nov;36(4):663-72

Retroactive interference in rats: independent effects of time and similarity of the intervening event with respect to acquisition. Miller RR, et al. **Q J Exp Psychol [B]** 1985 May;37(2):81-100

Spatial behaviour of cats in cue-controlled environments. Poucet B. **Q J Exp Psychol [B]** 1985 May;37(2):155-79

Cue location does not account for all selective associations in food aversion learning. Stolerman IP. **Q J Exp Psychol [B]** 1985 May;37(2):181-9

[Diagnosis of disorders of spatial orientation in children] Meerwaldt JD, et al. **Ned Tijdschr Geneeskd** 1984 Oct 6; 128(40):1897-900 (Eng. Abstr.) **(Dut)**

DRUG EFFECTS

Amphetamine disrupts both working and reference memories of rats trained in a radial maze. Beatty WW, et al. **Behav Neural Biol** 1984 Nov;42(2):169-76

Pentoxifylline reverses age-related deficits in spatial memory. de Toledo-Morrell L, et al. **Behav Neural Biol** 1984 Sep; 42(1):1-8

PHYSIOLOGY

Binocular interaction in the VEP to grating stimulation. I. Orientational effects. Jakobsson P. **Acta Ophthalmol (Copenh)** 1985 Apr;63(2):183-91

Representation of the orientations of shapes. Shepard RN, et al. **Acta Psychol (Amst)** 1985 May;59(1):103-21

Orientational asymmetries in small-field optokinetic nystagmus in human infants. Hainline L, et al. **Behav Brain Res** 1984 Sep;13(3):217-30

The influence of body position on perception of orientation in infants. Jouen F. **Behav Brain Res** 1985 May;15(3):241-5

Development of place navigation in rats from weaning to puberty. Schenk F. **Behav Neural Biol** 1985 Jan;43(1):69-85

Cardiac startle and orienting responses in the great apes. Berntson GG, et al. **Behav Neurosci** 1984 Oct;98(5):914-8

Orienting reaction in patients with night terrors. Rogozea R, et al. **Biol Psychiatry** 1985 Aug;20(8):894-905

Electrophysiological and behavioural evidence for the role of oculomotor proprioception on visual functions of the cat. Maffei L, et al. **Doc Ophthalmol** 1984 Aug 15; 58(1):97-100

On the spatial arrangement of iso-orientation bands in the cat's visual cortical areas 17 and 18: a 14C-deoxyglucose study. Albus K, et al. **Exp Brain Res** 1984;56(2):384-8

Role of the cat substantia nigra pars reticulata in eye and head movements. II. Effects of local pharmacological injections. Boussaoud D, et al. **Exp Brain Res** 1985; 57(2):297-304

Role of the cat substantia nigra pars reticulata in eye and head movements. I. Neural activity. Joseph JP, et al. **Exp Brain Res** 1985;57(2):286-96

Relationship between orientation tuning and spatial frequency in neurones of cat area 17. Vidyasagar TR, et al. **Exp Brain Res** 1985;57(3):628-31

Geniculate orientation biases seen with moving sine wave gratings: implications for a model of simple cell afferent connectivity. Vidyasagar TR, et al. **Exp Brain Res** 1984; 57(1):176-200

Interaction of external and internal coordinate systems during orientation of the upper limb relative to various targets. Bokhov BB. **Hum Physiol** 1983 Nov-Dec;9(6):422-9

Cephalic and digital vasomotor orienting responses: the effect of response localization, stimulus type and stimulus repetition. Figar S, et al. **Int J Neurosci** 1984 Dec; 25(1-2):99-112

The orienting response and psychopathology: commentary on the papers by James and Barry and by Alm, Lindström, Ost and Ohman [editorial] Gruzelier JH. **Int J Psychophysiol** 1984 Feb;1(2):133-5

Reduction of body sway by stimuli imaged within a cortical scotoma: a case study. Raymond JE, et al. **Invest Ophthalmol Vis Sci** 1985 Jul;26(7):1021-4

Demonstration of adaptation in beluga whale echolocation signals. Au WW, et al. **J Acoust Soc Am** 1985 Feb; 77(2):726-30

Strain gauge measurement of mesokinetic movement in the lizard Varanus exanthematicus. Smith KK, et al. **J Exp Biol** 1985 Jan;114:53-70

Reading rotated words. Koriat A, et al. **J Exp Psychol [Hum Percept]** 1985 Aug;11(4):490-508

Motorist's vestibular disorientation syndrome. Page NG, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):729-35

Direction and orientation selectivity of neurons in visual area MT of the macaque. Albright TD. **J Neurophysiol** 1984 Dec;52(6):1106-30

Visual desynchronization of cortical EEG impaired by lesions of superior colliculus in rats. Dean P, et al. **J Neurophysiol** 1984 Oct;52(4):625-37

Eye-head coordination in cats. Guitton D, et al. **J Neurophysiol** 1984 Dec;52(6):1030-50

Effects of strabismus on responsivity, spatial resolution, and contrast sensitivity of cat lateral geniculate neurons. Jones KR, et al. **J Neurophysiol** 1984 Sep;52(3):538-52

Directional filter characteristics of optic nerve fibers in California ground squirrel (Spermophilus beecheyi). McCourt ME, et al. **J Neurophysiol** 1984 Dec;52(6):1200-12

Orientation sensitivity of the cat assessed from evoked potentials: central and peripheral contributions. Tootle JS, et al. **J Neurophysiol** 1985 May;53(5):1287-302

Automatic gain control in the bat's sonar receiver and the neuroethology of echolocation. Kick SA, et al. **J Neurosci** 1984 Nov;4(11):2725-37

Uncertainty relation for resolution in space, spatial frequency, and orientation optimized by two-dimensional visual cortical filters. Daugman JG. **J Opt Soc Am [A]** 1985 Jul; 2(7):1160-9

Postadaptation orientation discrimination. Regan D, et al. **J Opt Soc Am [A]** 1985 Feb;2(2):147-55

Relationship between spatial-frequency and orientation tuning of striate-cortex cells. Webster MA, et al. **J Opt Soc Am [A]** 1985 Jul;2(7):1124-32

Orienting reaction in patients with multiple sclerosis. Rogozea R, et al. **Neurol Psychiatr (Bucur)** 1985 Apr-Jun; 23(2):119-30

Hemispheric asymmetry for a visuo-spatial task in monkeys. Jason GW, et al. **Neuropsychologia** 1984;22(6):777-84

Differential effects of frontal-lobe lesions on cognitive estimation and spatial memory. Smith ML, et al. **Neuropsychologia** 1984;22(6):697-705

In search for the egocentric reference. A neurophysiological hypothesis. Ventre J, et al. **Neuropsychologia** 1984; 22(6):797-806

Habituation of orienting reaction in night terrors. Rogozea R, et al. **Pavlov J Biol Sci** 1985 Apr-Jun;20(2):66-77

Facilitation of generalization performances in spatial learning problems by posttrial stimulation of the mesencephalic reticular formation. Ammassari-Teule M, et al. **Physiol Behav** 1984 Jun;32(6):1027-31

Sonar tracking of horizontally moving targets by the big brown bat Eptesicus fuscus. Masters WM, et al. **Science** 1985 Jun 14;228(4705):1331-3

The application of a programmable maze as a behavioural model in psychophysiology. Pögelt A, et al. **Z Psychol** 1984;192(3):307-18

[Confusion over left and right] Assal G. **Schweiz Rundsch Med Prax** 1984 Nov 27;73(48):1473-5 **(Fre)**

[Dependence of the interpretation of tactile stimuli on the orientation of the receptive field] Gurfinkel' VS, et al. **Fiziol Cheloveka** 1985 Jan-Feb;11(1):3-6 **(Rus)**

[Directional selectivity of the neurons of the superior colliculi in the cat: the effect of the rate of movement of a stimulus] Novikov GI, et al. **Fiziol Zh SSSR** 1984 Oct;70(10):1436-41 (Eng. Abstr.) **(Rus)**

[Neurochemical mechanisms of the involvement of sensorimotor cortex neurons in food and orienting-exploratory behavior] Sudakov SK, et al. **Fiziol Zh SSSR** 1984 Sep;70(9):1311-5 (Eng. Abstr.) **(Rus)**

[Effect of rotation and vibration on orientation in man in relation to the gravitational vertical] Vorob'ev OA, et al. **Kosm Biol Aviakosm Med** 1985 Jan-Feb;19(1):24-8 (Eng. Abstr.) **(Rus)**

[Participation of the auditory centers of Rhinolophus ferrum-equinum in echolocational tracking of a moving target] Movchan EV. **Neirofiziologiia** 1984;16(6):737-45 (Eng. Abstr.) **(Rus)**

['Timers' and 'scanners' among orientation detectors of the visual cortex in the cat] Shevelev IA, et al. **Neirofiziologiia** 1985;17(1):35-43 (Eng. Abstr.) **(Rus)**

[Standardness and invariability of the detector tuning of neurons in the orientation column of the visual cortex of the cat] Shevelev IA, et al. **Neirofiziologiia** 1985; 17(2):175-82 (Eng. Abstr.) **(Rus)**

[Mechanisms of orientation selectivity of simple and complex neurons in the visual cortex and a model of the orientation-selective receptive field] Supin AIa. **Usp Fiziol Nauk** 1984 Oct-Dec;15(4):23-45 (47 ref.) **(Rus)**

[Participation of the amygdaloid complex in modulating electrocutaneous responses during extinction of the orientation reaction in the cat] Gilinskii MA. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):578-80 **(Rus)**

[Effect of unilateral disruption of auditory perception on the ability of bats to determine the direction of adequate ultrasonic signals] Gorlinskii IA. **Zh Vyssh Nerv Deiat** 1985 Jan-Feb;35(1):173-5 **(Rus)**

[Effect of genotype and environment on individual features of the orientation reaction in man] Kochubei BI. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):428-34 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Photopollution: artificial light optic spatial control systems fail to cope with. Incidents, causation, remedies. Verheijen FJ. **Exp Biol** 1985;44(1):1-18 (83 ref.)

ORIENTATION PROGRAMS, EMPLOYEE see **INSERVICE TRAINING**

ORIGIN OF LIFE see **BIOGENESIS**

ORMOND'S DISEASE see **RETROPERITONEAL FIBROSIS**

ORNIDAZOLE see under **NITROIMIDAZOLES**

ORNIPRESSIN see under **VASOPRESSINS**

ORNITHINE

ANALOGS & DERIVATIVES

Convulsive syndrome induced by the intracerebroventricular injection of alpha-difluoromethylornithine in rats. Genedani S, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Mar;56(3):250-3

Polyamines and the development of monocrotaline-induced pulmonary hypertension. Olson JW, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):H682-5

New drug combination for experimental late-stage African trypanosomiasis: DL-alpha-difluoromethylornithine (DFMO) with suramin. Clarkson AB Jr, et al. **Am J Trop Med Hyg** 1984 Nov;33(6):1073-7

Difluoromethylornithine-induced amplification of ornithine decarboxylase genes in Ehrlich ascites carcinoma cells. Alhonen-Hongisto L, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):734-40

Host liver changes in leukemic mice: effect of alpha-difluoromethyl ornithine, an inhibitor of polyamine synthesis. Chandar N, et al. **Biochem Int** 1984 Dec; 9(6):705-13

The role of polyamine depletion and accumulation of decarboxylated S-adenosylmethionine in the inhibition of growth of SV-3T3 cells treated with alpha-difluoromethylornithine. Pegg AE. **Biochem J** 1984 Nov 15;224(1):29-38

The inactivation of ornithine transcarbamoylase by N delta-(N'-sulpho-diaminophosphinyl)-L-ornithine. Templeton MD, et al. **Biochem J** 1985 Jun 1;228(2):347-52

Effects of alpha-difluoromethylornithine on polyamine biosynthesis and tyrosine hydroxylase induction in the adrenal gland of the rat subjected to stress or apomorphine. Ekker M, et al. **Biochem Pharmacol** 1985 Apr 15; 34(8):1315-20

Cytotoxic activity of aziridinyl putrescine enhanced by polyamine depletion with alpha-difluoromethylornithine. Heston WD, et al. **Biochem Pharmacol** 1985 Jul 1; 34(13):2409-10

Potentiation by alpha-difluoromethylornithine of the activity of 3,4-dihydroxybenzylamine, a tyrosinase-dependent melanolytic agent, against B16 melanoma. Prakash NJ, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1887-90

Effect of alpha-difluoromethylornithine in lung metastases before and after surgery of primary adenocarcinoma tumors in mice. Klein S, et al. **Biol Cell** 1985;53(1):33-6

Effect of polyamine antimetabolites on cultured human keratinocytes from normal and uninvolved psoriatic skin. Käpyaho K, et al. **Br J Dermatol** 1984 Oct;111(4):403-11

CNS toxicity and CSF pharmacokinetics of intraventricular DFMO and MGBG in beagle dogs. Levin VA, et al. **Cancer Chemother Pharmacol** 1984;13(3):200-5

Enhancement of phenotypic instability by alpha-difluoromethylornithine and butylated hydroxyanisole in rapidly induced rat liver lesions. Moore MA, et al. **Cancer Lett** 1984 Dec;25(2):145-51

Modification of uptake and antiproliferative effect of methylglyoxal bis(guanylhydrazone) by treatment with alpha-difluoromethylornithine in rodent cell lines with different sensitivities to methylglyoxal bis(guanylhydrazone). Alhonen-Hongisto L, et al. **Cancer Res** 1985 Feb;45(2):509-14

Formation of cadaverine as an effect of alpha-difluoromethylornithine on chick embryo fibroblasts transformed by rous sarcoma virus. Bachrach U, et al. **Cancer Res** 1985 May;45(5):2159-64

Inhibition of growth of human or hamster pancreatic cancer cell lines by alpha-difluoromethylornithine alone and combined with cis-diamminedichloroplatinum(II). Chang BK, et al. **Cancer Res** 1984 Nov;44(11):5100-4

Inhibition of carcinogenesis by alpha-difluoromethylornithine in heterotopically transplanted rat urinary bladders. Homma Y, et al. **Cancer Res** 1985 Feb;45(2):648-52

Effects of inhibitors of polyamine biosynthesis on the growth and melanogenesis of murine melanoma cells. Käpyaho K, et al. **Cancer Res** 1985 Apr;45(4):1444-8

Effect of pretreatment with alpha-difluoromethylornithine on the selectivity of methylglyoxal bis(guanylhydrazone) for tumor tissue in L1210 leukemic mice. Kramer DL, et al. **Cancer Res** 1985 Jun;45(6):2512-5

Chemosensitization of cultured human carcinoma cells to 1,3-bis(2-chloroethyl)-1-nitrosourea by difluoromethylornithine-induced polyamine depletion. Seidenfeld J, et al. **Cancer Res** 1985 May;45(5):2132-8

Effect of inhibition of polyamine biosynthesis by DL-alpha-difluoromethylornithine on the growth and melanogenesis of B16 melanoma in vitro and in vivo. Sunkara PS, et al. **Cancer Res** 1985 Sep;45(9):4067-70

Effect of concentration of D,L-2-difluoromethylornithine on murine mammary carcinogenesis. Thompson HJ, et al. **Cancer Res** 1985 Mar;45(3):1170-3

Effect of difluoromethylornithine, an inhibitor of polyamine biosynthesis, on the topoisomerase II-mediated DNA scission produced by 4'-(9-acridinylamino)methanesulfon-m-anisidide in L1210 murine leukemia cells. Zwelling LA, et al. **Cancer Res** 1985 Mar;45(3):1122-6

Enhancement of the antiproliferative activity of human interferon by polyamine depletion. Kovach JS, et al. **Cancer Treat Rep** 1985 Jan;69(1):97-103

alpha-Difluoromethylornithine inhibits cell growth stimulated by a tumor-promoting rat urinary fraction. Homma Y, et al. **Carcinogenesis** 1985 Jan;6(1):159-61

Effect of D,L-alpha-difluoromethylornithine on murine mammary carcinogenesis. Thompson HJ, et al.

Carcinogenesis 1984 Dec;5(12):1649-51

Effects of cycloheximide, alpha-amanitin, and alpha-difluoromethylornithine on thyrotropin-induced increases in the micrococcal nuclease sensitivity of thyroid nuclear chromatin. Fucile NW, et al. **Endocrinology** 1984 Nov;115(5):1705-9

Localization of ornithine decarboxylase in mutant CHO cells that overproduce the enzyme. Differences between the intracellular distribution of monospecific ornithine decarboxylase antibodies and radiolabeled alpha-difluoromethylornithine. Anehus S, et al. **Eur J Cell Biol** 1984 Nov;35(2):264-72

Inhibition of ornithine decarboxylase by retinoic acid and difluoromethylornithine in relation to their effects on differentiation and proliferation. Jetten AM, et al. **Exp Cell Res** 1985 Jan;156(1):221-30

Screening of microbial inhibitors of mammalian ornithine decarboxylase. Yamato M, et al. **J Antibiot (Tokyo)** 1985 Mar;38(3):442-3

The in vitro interaction of alpha-difluoromethyl ornithine (DFMO) and several interferons on human cell lines. Wolf LM, et al. **J Biol Response Mod** 1985 Aug;4(4):391-5

Treatment with alpha-difluoromethylornithine plus a spermidine analog leads to spermine depletion and growth inhibition in cultured L1210 leukemia cells. Casero RA Jr, et al. **J Cell Physiol** 1984 Dec;121(3):476-82

The response of several murine embryonal carcinoma cell lines to stimulation of differentiation by alpha-difluoromethylornithine. Schindler J, et al. **J Cell Physiol** 1985 Jan;122(1):1-6

In the search for new anticancer drugs. 13. Phosphonic and phosphinic analogues of ornithine. Sosnovsky G, et al. **J Med Chem** 1985 Sep;28(9):1350-4

Ornithine decarboxylase inhibition and the malaria-infected red cell: a model for polyamine metabolism and growth. Whaun JM, et al. **J Pharmacol Exp Ther** 1985 May;233(2):507-11

Effect of difluoromethylornithine on host and tumor polyamine metabolism during total parenteral nutrition. Harris WB, et al. **J Surg Res** 1985 Jun;38(6):592-8

Difluoromethylornithine for Pneumocystis carinii? [letter] Tyms AS. **Lancet** 1985 Apr 27;1(8435):988

Reversal of the growth inhibitory effect of alpha-difluoromethylornithine by putrescine but not by other divalent cations. Oredsson SM, et al. **Mol Cell Biochem** 1984 Sep;64(2):163-72

Development and behavioral outcomes of perinatal inhibition of ornithine decarboxylase. Genedani S, et al. **Neurobehav Toxicol Teratol** 1985 Jan-Feb;7(1):57-65

Impaired development of cerebellar cortex in rats treated postnatally with alpha-difluoromethylornithine. Bartolome JV, et al. **Neuroscience** 1985 May;15(1):203-13

Potential uses of polyamine biosynthesis inhibitors in tumor therapy. Oredsson SM, et al. **Prog Exp Tumor Res** 1984;28:102-17

Effects of alpha-difluoromethylornithine on pancreatic growth induced by caerulein. Benrezzak O, et al. **Regul Pept** 1984 Oct;9(3):143-53

Control of nucleic acid and protein synthesis in developing brain, kidney, and heart of the neonatal rat: effects of alpha-difluoromethylornithine, a specific, irreversible inhibitor of ornithine decarboxylase. Slotkin TA, et al. **Teratology** 1984 Oct;30(2):211-24

Morphological changes in Trypanosoma brucei rhodesiense following inhibition of polyamine biosynthesis in vivo. de Gee AL, et al. **Tissue Cell** 1984;16(5):731-8

Effects of the irreversible ornithine decarboxylase inhibitor, alpha-difluoromethylornithine, aflatoxin B1, and choline deficiency on hepatocarcinogenesis. Sondergaard D, et al. **Toxicol Pathol** 1985;13(1):36-49

Successful treatment of lethal protozoal infections with the ornithine decarboxylase inhibitor, alpha-difluoromethylornithine. Sjoerdsma A, et al. **Trans Assoc Am Physicians** 1984;97:70-9

Increased rate of tumor cell death caused by polyamine synthesis inhibitors. Oredsson SM, et al. **Virchows Arch [Cell Pathol]** 1984;47(2):131-8

Pneumocystis carinii pneumonia treated with alpha-difluoromethylornithine. A prospective study among patients with the acquired immunodeficiency syndrome. Golden JA, et al. **West J Med** 1984 Nov;141(5):613-23

[Oral ornithine alpha-ketoglutarate in the prevention of local complications of plastic surgery. Double-blind controlled study of 42 cases] Bouchon Y, et al. **Ann Chir Plast Esthet** 1984;29(4):385-8 (Eng. Abstr.) **(Fre)**

[Effects of ornithine alpha-ketoglutarate on the nutritional state of intensive-care patients] Demarcq JM, et al. **Cah Anesthesiol** 1984 Mar;32(3):229-32 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Conversion of glutamate to ornithine and proline: pyrroline-5-carboxylate, a possible modulator of arginine requirements. Jones ME. **J Nutr** 1985 Apr;115(4):509-15

Intestinal ornithine synthesis from glutamic acid. **Nutr Rev** 1985 Apr;43(4):119-21 (12 ref.)

BLOOD

Ultrastructural changes in fibroblast mitochondria of a patient with HHH-syndrome. Metoki K, et al. **J Inherited Metab Dis** 1984;7(4):147-50

Gyrate atrophy of the choroid and retina. Early findings. Kaiser-Kupfer MI, et al. **Ophthalmology** 1985 Mar;92(3):394-401

DIAGNOSTIC USE

Comparison of growth hormone sleep release and responses to pharmacological tests. Garnier PE, et al. **Horm Res** 1985;22(1-2):12-6

Syntheses of carbon-11 labelled ornithine and lysine. Preliminary accumulation studies in rats with Walker 256 carcinosarcoma. Bolster JM, et al. **Int J Appl Radiat Isot** 1985 Apr;36(4):263-7

METABOLISM

Effect of dimethylnitrosamine upon carbamoyl phosphate and ornithine utilization in rat liver. Karsai T, et al. **Anticancer Res** 1985 Jul-Aug;5(4):441-4

Altered control of glutamate dehydrogenases in ornithine utilization mutants of Pseudomonas aeruginosa. Früh R, et al. **Arch Microbiol** 1985 Mar;141(2):170-6

Bromodeoxyuridine treatment of rat liver cells in culture induces an increased metabolic conversion of exogenous ornithine. Avdalovic N, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):746-52

Ornithine as a precursor of neurotransmitter glutamate: effect of canaline on ornithine aminotransferase activity and glutamate content in the septum of rat brain. Wroblewski JT, et al. **Brain Res** 1985 Mar 11;329(1-2):161-8

Deviations in ornithine-related metabolism during hexachlorocyclohexane-induced hepatocarcinogenesis in mice: evidence for conversion of glutamate to ornithine. Munir KM, et al. **Environ Res** 1984 Oct;35(1):180-7

A possible rate limiting factor in urea synthesis by isolated hepatocytes: the transport of ornithine into hepatocytes and mitochondria. Metoki K, et al. **Int J Biochem** 1984;16(11):1155-7

Molecular cloning of an ornithine-activating fragment of the gramicidin S synthetase 2 gene from Bacillus brevis and its expression in Escherichia coli. Krause M, et al. **J Bacteriol** 1985 Jun;162(3):1120-5

Metabolic pathway for the utilization of L-arginine, L-ornithine, agmatine, and putrescine as nitrogen sources in Escherichia coli K-12. Shaibe E, et al. **J Bacteriol** 1985 Sep;163(3):933-7

PHARMACODYNAMICS

Catalytic irreversible inhibition of Trypanosoma brucei brucei ornithine decarboxylase by substrate and product analogs and their effects on murine trypanosomiasis. Bitonti AJ, et al. **Biochem Pharmacol** 1985 May 15;34(10):1773-7

Effect of L-ornithine on proliferative and cytotoxic T-cell responses in allogeneic and syngeneic mixed leukocyte cultures. Jänicke R, et al. **Cell Immunol** 1985 May;92(2):359-65

Does ornithine stimulate carbamoylphosphate synthetase? Banko G, et al. **Int J Biochem** 1985;17(4):503-7

Suppression of cytotoxic T lymphocyte activation by L-ornithine. Dröge W, et al. **J Immunol** 1985 May;134(5):3379-83

PHYSIOLOGY

Phosphatidylserine and ornithine-containing lipids of Bordetella, hemagglutinins of lipoamino acid structure, and their control in biomembranes. Kawai Y, et al. **Eur J Biochem** 1985 Mar 1;147(2):367-70

ORNITHINE AMINOTRANSFERASE see under **AMINOTRANSFERASES**

ORNITHINE CARBAMOYLTRANSFERASE

ANALYSIS

A highly basic N-terminal extension of the mitochondrial matrix enzyme ornithine transcarbamylase from rat liver. McIntyre P, et al. **FEBS Lett** 1984 Nov 5;177(1):41-6

Immunological and structural relatedness of catabolic ornithine carbamoyltransferases and the anabolic enzymes of enterobacteria. Falmagne P, et al. **J Bacteriol** 1985 Feb;161(2):714-9

ANTAGONISTS & INHIBITORS

The inactivation of ornithine transcarbamoylase by N delta-(N'-sulpho-diaminophosphinyl)-L-ornithine. Templeton MD, et al. **Biochem J** 1985 Jun 1;228(2):347-52

The inhibition of ornithine transcarbamoylase from Escherichia coli W by phaseolotoxin. Templeton MD, et al. **Biochem J** 1984 Dec 1;224(2):379-88

BLOOD

Ornithine carbamyl transferase in Reye's syndrome. Deshmukh DR, et al. **Biochem Med** 1984 Dec;32(3):337-40

Plasma ornithine carbamyl transferase level as an indicator of ischaemic injury of rat liver. Frederiks WM, et al. **Cell Biochem Funct** 1984 Oct;2(4):217-20

Release of hepatic mitochondrial ornithine transcarbamylase into the circulation in D-galactosamine-treated rats. Identification of serum ornithine transcarbamylase as the intact form of the mitochondrial enzyme. Tsuda M, et al. **J Biochem (Tokyo)** 1985 May;97(5):1391-9

DEFICIENCY

Random X inactivation resulting in mosaic nullisomy of region Xp21.1----p21.3 associated with heterozygosity for ornithine transcarbamylase deficiency and for chronic granulomatous disease. Francke U. **Cytogenet Cell Genet** 1984;38(4):298-307

Intestinal obstruction due to peritoneal adhesions as a complication of peritoneal dialysis for neonatal hyperammonemia. Nyhan WL, et al. **Eur J Pediatr** 1985 Jan;143(3):211-3

A defect of the urea cycle--a case report. Naughten ER, et al. **Ir J Med Sci** 1984 Dec;153(12):439-40

Failure of protein loading tests to identify heterozygosity for ornithine carbamoyltransferase deficiency. Becroft DM, et al. **J Inherited Metab Dis** 1984;7(4):157-9

Immunochemical study of ornithine transcarbamylase deficiency. Kodama H, et al. **J Inherited Metab Dis** 1984;7(3):131-2

Chronic benzoate therapy in a boy with partial ornithine transcarbamylase deficiency. Letarte J, et al. **J Pediatr** 1985 May;106(5):794-7

The diagnosis of ornithine transcarbamylase deficiency. Batshaw ML. **J Pediatr Gastroenterol Nutr** 1985 Feb;4(1):4-6

Expression of ornithine transcarbamylase deficiency in the small intestine and colon of sparse-fur mutant mice. Qureshi IA, et al. **J Pediatr Gastroenterol Nutr** 1985 Feb;4(1):118-24

Biochemical heterogeneity of ornithine carbamoyl transferase(OCT) in patients with OCT deficiency. Matsuda I, et al. **Jinrui Idengaku Zasshi** 1984 Sep;29(3):327-33

Prenatal exclusion of ornithine transcarbamylase deficiency by direct gene analysis. Old JM, et al. **Lancet** 1985 Jan 12;1(8420):73-5

Hepatotoxicity of sodium valproate in ornithine transcarbamylase-deficient mice. Qureshi IA, et al. **Toxicol Lett** 1985 Jun;25(3):297-306

GENETICS

The primary structure of the imported mitochondrial protein, ornithine transcarbamylase from rat liver: mRNA levels during ontogeny. McIntyre P, et al. **DNA** 1985 Apr;4(2):147-56

The associated reactivation of two X-linked genes. The spontaneous and azacytidine-induced reexpression of ornithine transcarbamoylase and glucose-6-phosphate dehydrogenase in a rat hepatoma. Goss SJ. **J Cell Sci** 1984 Dec;72:241-57

Gene deletion and restriction fragment length polymorphisms at the human ornithine transcarbamylase locus. Rozen R, et al. **Nature** 1985 Feb 28-Mar 6;313(6005):815-7

Gene for OTC: characterisation and linkage to Duchenne muscular dystrophy. Davies KE, et al. **Nucleic Acids Res** 1985 Jan 11;13(1):155-65

A cDNA clone for the precursor of rat mitochondrial ornithine transcarbamylase: comparison of rat and human leader sequences and conservation of catalytic sites. Kraus JP, et al. **Nucleic Acids Res** 1985 Feb 11;13(3):943-52

Molecular cloning and nucleotide sequence of cDNA for rat ornithine carbamoyltransferase precursor. Takiguchi M, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7412-6

Human ornithine transcarbamylase locus mapped to band Xp21.1 near the Duchenne muscular dystrophy locus. Lindgren V, et al. **Science** 1984 Nov 9;226(4675):698-700

ISOLATION & PURIFICATION

Ornithine transcarbamylase from Neurospora crassa: purification and properties. Bates M, et al. **Arch Biochem Biophys** 1985 May 15;239(1):172-83

METABOLISM

Neuropathology of ornithine carbamyl transferase deficiency. Kornfeld M, et al. **Acta Neuropathol (Berl)** 1985;65(3-4):261-4

The precursor to ornithine carbamyl transferase is transported to mitochondria as a 5S complex containing an import factor. Argan C, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):289-98

Changes in ornithine transcarbamylase activity and protein level during perinatal period in rat liver. Effects of actinomycin D. Belbekouche M, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):780-8

Decarbamoylating activity of ornithine transcarbamoylase. Costell M, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):441-8

Differential import and processing of the precursors to F1-ATPase beta-subunit and ornithine carbamyltransferase by liver, spleen, heart and kidney mitochondria. Côte C, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):240-7

Histochemical demonstration of ornithine transcarbamylase activity in fetal liver. Holzgreve W, et al. **Biol Neonate** 1985;47(6):339-42

Further evidence for a separate enzymic entity for the synthesis of homocitrulline, distinct from the regular ornithine transcarbamylase. Carter AL, et al. **Enzyme** 1984; 32(1):26–36

Transport of proteins into mitochondrial matrix. Evidence suggesting a common pathway for 3-ketoacyl-CoA thiolase and enzymes having presequences. Mori M, et al. **Eur J Biochem** 1985 May 15;149(1):181–6

Purine nucleotides stimulate while carbamoyl phosphate protects inactivation of ornithine transcarbamoylase by disrupted lysosomes. Navarro A, et al. **Eur J Biochem** 1985 May 15;149(1):175–80

Expression of amplified DNA sequences for ornithine transcarbamylase in HeLa cells: arginine residues may be required for mitochondrial import of enzyme precursor. Horwich AL, et al. **J Cell Biol** 1985 May;100(5):1515–21

Effects of dietary zinc deficiency on hepatic ornithine carbamoyltransferase and alcohol dehydrogenase activities in rats. Indo Y, et al. **J Pediatr Gastroenterol Nutr** 1985 Apr;4(2):268–73

Arginine in the leader peptide is required for both import and proteolytic cleavage of a mitochondrial precursor. Horwich AL, et al. **Proc Natl Acad Sci USA** 1985 Aug; 82(15):4930–3

[Change in the ornithine carbamoyltransferase activity in rats following roentgen irradiation and administration of a vitamin–coenzyme complex] Savitskiĭ IV, et al. **Radiobiologiia** 1984 Nov-Dec;24(6):826–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Use of ornithine carbamoyltransferase in the treatment of liver diseases] Caruso N, et al. **Clin Ter** 1984 Jul 15; 110(1):37–44 (Eng. Abstr.) **(Ita)**

ORNITHINE CARBOXY-LYASE see **ORNITHINE DECARBOXYLASE**

ORNITHINE DECARBOXYLASE

ANALYSIS

Inhibition of the effects of 12-O-tetradecanoylphorbol-13-acetate on mouse epidermal glutathione peroxidase and ornithine decarboxylase activities by glutathione level-raising agents and selenium-containing compounds. Perchellet JP, et al. **Cancer Lett** 1985 Apr;26(3):283–93

Effects of synthetic analogs and fragments of bovine parathyroid hormone on adenosine 3',5'-monophosphate level, ornithine decarboxylase activity, and glycosaminoglycan synthesis in rabbit costal chondrocytes in culture: structure-activity relations. Takano T, et al. **Endocrinology** 1985 Jun;116(6):2536–42

Polyamine metabolism in P388 leukemia cells and in ascites tumor-bearing mice. Kremmer T, et al. **Exp Cell Biol** 1984; 52(5):279–85

Mouse ornithine decarboxylase. Complete amino acid sequence deduced from cDNA. Gupta M, et al. **J Biol Chem** 1985 Mar 10;260(5):2941–4

Ornithine decarboxylase activity in brain regulated by a specific macromolecule, the antizyme. Laitinen PH, et al. **J Neurochem** 1985 Jun;44(6):1885–91

Postnatal methyl mercury exposure: effects on ontogeny of renal and hepatic ornithine decarboxylase responses to trophic stimuli. Bartolome J, et al. **Toxicol Appl Pharmacol** 1985 Aug;80(1):147–54

ANTAGONISTS & INHIBITORS

Ornithine decarboxylase inhibitors increase the cellular content of the enzyme: implications for translational regulation. Persson L, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):239–45

The velocity of the reaction between ornithine decarboxylase and antizyme highly depends on the presence of salt and temperature. Kitani T, et al. **Biochem Int** 1985 Mar; 10(3):435–40

An inhibitor of ornithine decarboxylase in the thymus and spleen of dexamethasone-treated rats. Bishop PB, et al. **Biochem J** 1985 Feb 15;226(1):105–12

Accumulation of ornithine decarboxylase-antizyme complex in HMOA cells. Murakami Y, et al. **Biochem J** 1985 Feb 1;225(3):689–97

Catalytic irreversible inhibition of Trypanosoma brucei brucei ornithine decarboxylase by substrate and product analogs and their effects on murine trypanosomiasis. Bitonti AJ, et al. **Biochem Pharmacol** 1985 May 15;34(10):1773–7

Potentiation by alpha-difluoromethylornithine of the activity of 3,4-dihydroxybenzylamine, a tyrosinase-dependent melanolytic agent, against B16 melanoma. Prakash NJ, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1887–90

Regulation of polyamine biosynthesis by antizyme and some recent developments relating the induction of polyamine biosynthesis to cell growth. Review. Canellakis ES, et al. **Biosci Rep** 1985 Mar;5(3):189–204 (106 ref.)

Enhancement of phenotypic instability by alpha-difluoromethylornithine and butylated hydroxyanisole in rapidly induced rat liver lesions. Moore MA, et al. **Cancer Lett** 1984 Dec;25(2):145–51

Antitumor properties of (2R,5R)-6-heptyne-2,5-diamine, a new potent enzyme-activated irreversible inhibitor of ornithine decarboxylase, in rodents. Bartholeyns J, et al. **Cancer Res** 1984 Nov;44(11):4972–7

Effect of inhibition of polyamine biosynthesis by DL-alpha-difluoromethylornithine on the growth and melanogenesis of B16 melanoma in vitro and in vivo. Sunkara PS, et al. **Cancer Res** 1985 Sep;45(9):4067–70

Effect of D,L-alpha-difluoromethylornithine on murine mammary carcinogenesis. Thompson HJ, et al. **Carcinogenesis** 1984 Dec;5(12):1649–51

Inhibition of ornithine decarboxylase by retinoic acid and difluoromethylornithine in relation to their effects on differentiation and proliferation. Jetten AM, et al. **Exp Cell Res** 1985 Jan;156(1):221–30

Plasmodium berghei: inhibitors of ornithine decarboxylase block exoerythrocytic schizogony. Hollingdale MR, et al. **Exp Parasitol** 1985 Aug;60(1):111–7

Screening of microbial inhibitors of mammalian ornithine decarboxylase. Yamato M, et al. **J Antibiot (Tokyo)** 1985 Mar;38(3):442–3

Retinoids antagonize the induction of ornithine decarboxylase activity by phorbol esters and phospholipase C in rat tracheal epithelial cells. Jetten AM, et al. **J Cell Physiol** 1985 Jun;123(3):386–94

Inhibition of phorbol ester--induced human epidermal ornithine decarboxylase activity by oral compounds: a possible role in human chemoprevention studies. Loprinzi CL, et al. **J Clin Oncol** 1985 Jun;3(6):751–7

Involvement of an 'antizyme' in the inactivation of ornithine decarboxylase. Laitinen PH. **J Neurochem** 1985 Oct; 45(4):1303–7

Ornithine decarboxylase inhibition and the malaria-infected red cell: a model for polyamine metabolism and growth. Whaun JM, et al. **J Pharmacol Exp Ther** 1985 May; 233(2):507–11

Effect of difluoromethylornithine on host and tumor polyamine metabolism during total parenteral nutrition. Harris WB, et al. **J Surg Res** 1985 Jun;38(6):592–8

Polyamines in brain and heart of the neonatal rat: effects of inhibitors of ornithine decarboxylase and spermidine synthase. Slotkin TA, et al. **Life Sci** 1984 Sep 3; 35(10):1125–31

Reversal of the growth inhibitory effect of alpha-difluoromethylornithine by putrescine but not by other divalent cations. Oredsson SM, et al. **Mol Cell Biochem** 1984 Sep;64(2):163–72

Potential uses of polyamine biosynthesis inhibitors in tumor therapy. Oredsson SM, et al. **Prog Exp Tumor Res** 1984; 28:102–17

Effects of alpha-difluoromethylornithine on pancreatic growth induced by caerulein. Benrezzak O, et al. **Regul Pept** 1984 Oct;9(3):143–53

Control of nucleic acid and protein synthesis in developing brain, kidney, and heart of the neonatal rat: effects of alpha-difluoromethylornithine, a specific, irreversible inhibitor of ornithine decarboxylase. Slotkin TA, et al. **Teratology** 1984 Oct;30(2):211–24

Morphological changes in Trypanosoma brucei rhodesiense following inhibition of polyamine biosynthesis in vivo. de Gee AL, et al. **Tissue Cell** 1984;16(5):731–8

Effects of the irreversible ornithine decarboxylase inhibitor, alpha-difluoromethylornithine, aflatoxin B1, and choline deficiency on hepatocarcinogenesis. Sondergaard D, et al. **Toxicol Pathol** 1985;13(1):36–49

Successful treatment of lethal protozoal infections with the ornithine decarboxylase inhibitor, alpha-difluoromethylornithine. Sjoerdsma A, et al. **Trans Assoc Am Physicians** 1984;97:70–9

BIOSYNTHESIS

Effects of local anesthetics on phorbol ester-induced ornithine decarboxylase activity in mouse and human skin. Loprinzi CL, et al. **Anticancer Res** 1984 Nov-Dec; 4(6):363–6

Synergistic induction of ornithine decarboxylase by diacylglycerol, A23187, and cholera toxin in guinea pig lymphocytes. Otani S, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):389–95

Hyperthermia and polyamine biosynthesis: decreased ornithine decarboxylase induction in skin and kidney after heat shock. Verma AK, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):156–62

Platelet derived growth factor induces ornithine decarboxylase activity in NIH 3T3 cells. Vicenzi E, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):843–8

Induction of hepatic and renal ornithine decarboxylase by cadmium in rats. Yoshida T, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):882–7

Investigation of structure and rate of synthesis of ornithine decarboxylase protein in mouse kidney. Persson L, et al. **Biochemistry** 1984 Jul 31;23(16):3777–83

In vivo induction of rat hepatic ornithine decarboxylase and plasminogen activator by 12-O-tetradecanoylphorbol 13-acetate. Buckley AR, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):127–30

Induction of ornithine decarboxylase in the liver and spleen of mice by interleukin 1-like factors produced from a macrophage cell line. Endo Y, et al. **Biochim Biophys Acta** 1985 Mar 8;838(3):343–50

Inhibition of phorbol ester-caused synthesis of mouse epidermal ornithine decarboxylase by retinoic acid. Verma AK. **Biochim Biophys Acta** 1985 Jul 30;846(1):109–19

The effect of calcium and 3',5' cAMP on the induction of ornithine decarboxylase activity in bone and bone cells. Boonekamp PM. **Bone** 1985;6(1):37–42

In vivo stimulation of DNA synthesis and induction of ornithine decarboxylase in rat colon by fatty acid hydroperoxides, autoxidation products of unsaturated fatty acids. Bull AW, et al. **Cancer Res** 1984 Nov;44(11):4924–8

Induction of ornithine decarboxylase and DNA synthesis in rat stomach mucosa by methylglyoxal. Furihata C, et al. **Carcinogenesis** 1985 Jan;6(1):91–4

Cell-free synthesis of ornithine decarboxylase. Changes in mRNA activity in the liver of thioacetamide-treated rats. Kameji T, et al. **Eur J Biochem** 1984 Oct 1;144(1):35–9

Induction of ornithine decarboxylase in guinea-pig lymphocytes. Synergistic effect of diacylglycerol and calcium. Otani S, et al. **Eur J Biochem** 1985 Feb 15; 147(1):27–31

Dexamethasone restores hormonal inducibility of ornithine decarboxylase in primary cultures of rat hepatocytes. Schulz WA, et al. **Eur J Biochem** 1985 Feb 1;146(3):549–53

Changes in inducibility of ornithine decarboxylase activity in differentiating human neuroblastoma cells. Mattsson ME, et al. **Exp Cell Res** 1984 Nov;155(1):105–12

Prostaglandin E2 counteracts the inhibition by indomethacin of rat colon ornithine decarboxylase induction by deoxycholic acid. Narisawa T, et al. **Gann** 1985 May; 76(5):338–44

Prolactin-induced polyamine biosynthesis in spleen and thymus: specific inhibition by cyclosporine. Russell DH, et al. **Immunopharmacology** 1985 Jun;9(3):165–74

Cultured hepatoma cells for the study of enzyme regulation: induction of ornithine decarboxylase by insulin and asparagine. Potter VR, et al. **In Vitro** 1984 Sep;20(9):723–31

The effect of transport system A and N amino acids and of nerve and epidermal growth factors on the induction of ornithine decarboxylase activity. Rinehart CA Jr, et al. **J Cell Physiol** 1985 Jun;123(3):435–41

Bacterial lipopolysaccharide induction of ornithine decarboxylase in the macrophage-like cell line RAW264: requirement of an inducible soluble factor. Taffet SM, et al. **J Cell Physiol** 1985 Feb;122(2):215–20

In vitro induction of human skin ornithine decarboxylase by the tumor promoter 12-O-tetradecanoylphorbol-13-acetate. Verma AK, et al. **JNCI** 1985 Jul;75(1):85–90

Inhibition of teleocidin-caused epidermal ornithine decarboxylase induction by phospholipase A2-, cyclooxygenase- and lipoxygenase-inhibitors. Nakadate T, et al. **Jpn J Pharmacol** 1985 Mar;37(3):253–8

Hepatic cyclic AMP generation and ornithine decarboxylase induction by glucagon and beta adrenergic agonists. Evoniuk G, et al. **Life Sci** 1985 May 27;36(21):2075–83

Psoralen and ultraviolet A effects on epidermal ornithine decarboxylase induction and DNA synthesis in the hairless mouse. Lowe NJ, et al. **Natl Cancer Inst Monogr** 1984 Dec; 66:73–6

Nerve growth factor rapidly induces ornithine decarboxylase mRNA in PC12 rat pheochromocytoma cells. Feinstein SC, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5761–5

Role of protein kinase C in diacylglycerol-mediated induction of ornithine decarboxylase and reduction of epidermal growth factor binding. Jetten AM, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1941–5

Peripheral-type benzodiazepines influence ornithine decarboxylase levels and neurite outgrowth in PC12 cells. Morgan JI, et al. **Proc Natl Acad Sci USA** 1985 Aug; 82(15):5223–6

Induction of ornithine decarboxylase activity by insulin and growth factors is mediated by amino acids. Rinehart CA Jr, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4365–8

BLOOD

Polyamine levels and the activity of their biosynthetic enzymes in human erythrocytes infected with the malarial parasite, Plasmodium falciparum. Assaraf YG, et al. **Biochem J** 1984 Sep 15;222(3):815–9

[Ornithine decarboxylase activity of human leukocytes] Blinov MN, et al. **Vopr Med Khim** 1985 Jan-Feb;31(1):90–2 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Chinese hamster cells deficient in ornithine decarboxylase activity: reversion by gene amplification and by azacytidine treatment. Steglich C, et al. **Somatic Cell Mol Genet** 1985 Jan;11(1):11–23

GENETICS

Ornithine decarboxylase mRNA in mouse kidney: a low abundancy gene product regulated by androgens with rapid kinetics. Jänne OA, et al. **Ann NY Acad Sci** 1984;438:72–84

Difluoromethylornithine-induced amplification of ornithine decarboxylase genes in Ehrlich ascites carcinoma cells. Alhonen-Hongisto L, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):734–40

Effect of a nonsteroidal antiandrogen, flutamide, on androgen receptor dynamics and ornithine decarboxylase gene expression in mouse kidney. Kontula KK, et al. **Endocrinology** 1985 Jan;116(1):226–33

Intergeneric homology of the speC gene encoding biosynthetic ornithine decarboxylase in Escherichia coli. Wright JM, et al. **J Bacteriol** 1984 Sep;159(3):1074–6

Amplification of ornithine decarboxylase gene in response to polyamine deprivation in Chinese hamster ovary cells. Pohjanpelto P, et al. **J Biol Chem** 1985 Jul 15;

260(14):8532-7

Structural gene for ornithine decarboxylase in Neurospora crassa. Eversole P, et al. **Mol Cell Biol** 1985 Jun;5(6):1301-6

Expression of the gene for ornithine decarboxylase of Saccharomyces cerevisiae in Escherichia coli. Fonzi WA, et al. **Mol Cell Biol** 1985 Jan;5(1):161-6

Mutant strain of Chinese hamster ovary cells with no detectable ornithine decarboxylase activity. Pohjanpelto P, et al. **Mol Cell Biol** 1985 Jun;5(6):1385-90

Distinct roles of putrescine and spermidine in the regulation of ornithine decarboxylase in Neurospora crassa. Davis RH, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4105-9

Nucleotide sequence of murine ornithine decarboxylase mRNA. Kahana C, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1673-7

IMMUNOLOGY

A monoclonal antibody to rat liver ornithine decarboxylase. Matsufuji S, et al. **J Biochem (Tokyo)** 1984 Nov; 96(5):1525-30

ISOLATION & PURIFICATION

Multiple species of ornithine decarboxylase in mouse kidney. Effect of testosterone. Laitinen SI, et al. **Biochem Int** 1985 Apr;10(4):559-66

METABOLISM

Lack of correlation between liver RNA polymerase I and ornithine decarboxylase activities after re-feeding of protein-depleted mice. Iapalucci-Espinoza S, et al. **Acta Physiol Pharmacol Latinoam** 1984;34(2):157-62

Renal polyamine metabolism in rats with renovascular hypertension. Uvelius B, et al. **Acta Physiol Scand** 1985 May;124(1):11-5

Attenuation of trophic response to gastrin after inhibition of ornithine decarboxylase. Seidel ER, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):G16-20

Response of hepatic ornithine decarboxylase and polyamine concentration to surgical stress in the rat: evidence for a permissive effect of catecholamines on glucocorticoid action. Corti A, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):885-91

A human neuroblastoma cell line with a stable ornithine decarboxylase in vivo and in vitro. Karvonen E, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):96-102

Induction of ornithine decarboxylase activity by 1-oleoyl-2-acetyl-glycerol in isolated mouse epidermal cells. Sasakawa N, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):913-20

Ornithine decarboxylase modification and polyamine-stimulated enzyme inactivation in HTC cells. Mitchell JL, et al. **Biochem J** 1985 Jun 1;228(2):297-308

Comparison of ornithine decarboxylase from rat liver, rat hepatoma and mouse kidney. Seely JE, et al. **Biochem J** 1985 Mar 1;226(2):577-86

Effects of alpha-difluoromethylornithine on polyamine biosynthesis and tyrosine hydroxylase induction in the adrenal gland of the rat subjected to stress or apomorphine. Ekker M, et al. **Biochem Pharmacol** 1985 Apr 15; 34(8):1315-20

Effects of neonatal treatment with 6-aminonicotinamide on basal and isoproterenol-stimulated ornithine decarboxylase activity in cerebellum of the development rat. Morris G, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3281-4

Prolonged activation of rat lung ornithine decarboxylase in monocrotaline-induced pulmonary hypertension. Olson JW, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3633-7

Control of ornithine decarboxylase in the cellular slime mould Dictyostelium discoideum. North MJ. **Biochem Soc Trans** 1985 Apr;13(2):313-6

Characterization of highly purified ornithine decarboxylase from rat heart. Flamigni F, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):245-52

Stabilization of ornithine decarboxylase and N1-spermidine acetyltransferase in rat liver by methylglyoxal bis(guanylhydrazone). Karvonen E, et al. **Biochim Biophys Acta** 1984 Dec 7;791(2):239-43

Dicyclohexylamine effects on HTC cell polyamine content and ornithine decarboxylase activity. Mitchell JL, et al. **Biochim Biophys Acta** 1985 Jul 5;840(3):309-16

Comparison of the inhibitory effects of diverse amino acids and amino acid analogs on 12-O-tetradecanoylphorbol-13-acetate-induced ornithine decarboxylase activity in isolated epidermal cells. Perchellet JP, et al. **Biochim Biophys Acta** 1985 Feb 21; 844(2):182-92

The developmental regulation of L-ornithine decarboxylase in Dictyostelium discoideum and its induction by cAMP. van Lookeren Campagne MM, et al. **Biochim Biophys Acta** 1985 Jul 30;846(1):55-63

Thyroid hormones modulate ornithine decarboxylase in the immature rat cerebellum. Ruel J, et al. **Can J Physiol Pharmacol** 1984 Oct;62(10):1279-83

Independent regulation of ornithine decarboxylase and S-adenosylmethionine decarboxylase in methylthioadenosine phosphorylase-deficient malignant murine lymphoblasts. Kubota M, et al. **Cancer Res** 1985 Aug;45(8):3567-72

Inhibitory effects of glutathione level-raising agents and D-alpha-tocopherol on ornithine decarboxylase induction and mouse skin tumor promotion by 12-O-tetradecanoylphorbol-13-acetate. Perchellet JP, et al. **Carcinogenesis** 1985 Apr;6(4):567-73

Changes in ornithine decarboxylase activity and polyamine levels during the growth of Tetrahymena thermophila cultures. Yao KM, et al. **Comp Biochem Physiol [B]** 1985; 80(4):827-9

Localization of ornithine decarboxylase in mutant CHO cells that overproduce the enzyme. Differences between the intracellular distribution of monospecific ornithine decarboxylase antibodies and radiolabeled alpha-difluoromethylornithine. Anehus S, et al. **Eur J Cell Biol** 1984 Nov;35(2):264-72

Rapid activation of ornithine decarboxylase by mitogenic (but not by nonmitogenic) ligands in human T lymphocytes. Scott IG, et al. **Eur J Immunol** 1985 Aug;15(8):783-7

Hepatic ornithine decarboxylase activity in the rat as influenced by retinyl acetate and ethanol or tryptophan. Sidransky H, et al. **Exp Mol Pathol** 1985 Aug;43(1):115-23

Ornithine decarboxylase in motoneurons during regeneration. Tetzlaff W, et al. **Exp Neurol** 1985 Sep;89(3):679-88

Changes in L-ornithine decarboxylase activity in regenerating lung lobes. Tatár-Kiss S, et al. **FEBS Lett** 1984 Sep 17;175(1):131-4

Acute effect of prenatal pethidine administration on human fetal brain cyclic AMP levels and ornithine decarboxylase activity. Persitz E, et al. **Gynecol Obstet Invest** 1984; 18(6):322-6

Rat prostate gland--a good model for demonstration of ornithine decarboxylase by immunohistochemistry. Dorn A, et al. **Histochem J** 1985 Jun;17(6):731-3

Lipopolysaccharide and serum synergistically stimulate ornithine decarboxylase in Chinese hamster ovary cells. Greenfield AR, et al. **In Vitro** 1984 Nov;20(11):876-8

Activity of some enzymes involved in the metabolism of polyamines in the liver of streptozotocin-diabetic rats. Grillo MA, et al. **Int J Biochem** 1984;16(12):1345-7

A human neuroblastoma cell line with an altered ornithine decarboxylase. Pösö H, et al. **J Biol Chem** 1984 Oct 25; 259(20):12307-10

Ornithine decarboxylase activity is inhibited by epidermal polyamine-dependent protein kinase-mediated phosphorylation. Nemoto O, et al. **J Invest Dermatol** 1984 Oct;83(4):257-60

Reciprocal regulation of ornithine decarboxylase and choline kinase activities by their respective reaction products in the developing rat cerebellar cortex. Gilad GM, et al. **J Neurochem** 1984 Dec;43(6):1538-43

In vivo effect of RU 24722 and drugs used for the treatment on senile cerebral insufficiency on rat brain ornithine decarboxylase. Cousin MA, et al. **J Pharmacol** 1985 Jan-Mar;16(1):31-43

Beta-2 adrenergic control of ornithine decarboxylase activity in brain regions of the developing rat. Morris G, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):141-7

Interaction of alpha and beta adrenergic stimulation on aortic ornithine decarboxylase activity. Majesky MW, et al. **Life Sci** 1985 Jan 14;36(2):153-9

Two forms of ornithine decarboxylase activity in mouse kidney. Loeb D, et al. **Mol Cell Endocrinol** 1984 Nov; 38(1):67-73

Relationships among uterine growth, ornithine decarboxylase activity and polyamine levels: studies with estradiol and antiestrogens. Rorke EA, et al. **Mol Cell Endocrinol** 1984 Nov;38(1):31-8

Development and behavioral outcomes of perinatal inhibition of ornithine decarboxylase. Genedani S, et al. **Neurobehav Toxicol Teratol** 1985 Jan-Feb;7(1):57-65

Prolactin stimulation of ornithine decarboxylase activity in the mammary gland may involve an activation of protein kinase C. Rillema JA. **Proc Soc Exp Biol Med** 1985 Mar; 178(3):490-4

Polyamine biosynthetic decarboxylase activities following estradiol-17 beta or estriol stimulation of the immature rat uterus. Lavia LA, et al. **Steroids** 1983 Dec;42(6):609-18

Rat uterine polyamine biosynthetic decarboxylase activities following multiple injections of estradiol-17 beta and/or estriol. Lavia LA, et al. **Steroids** 1984 Apr;43(4):415-27

Ornithine decarboxylase of Plasmodium falciparum: a peak-function enzyme and its inhibition by chloroquine. Königk E, et al. **Trop Med Parasitol** 1985 Jun;36(2):81-4

[Various aspects of the biological role of polyamines in normal and malignant growth] Zaletok SP, et al. **Eksp Onkol** 1984;6(4):10-7 (62 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Polyamines and intestinal growth: absolute requirement for ODC activity in adaptation during lactation. Yang P, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):G553-7

ORNITHOSIS

Psittacosis [letter] Macdonald TM, et al. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):834

BLOOD

[Blood proteins in ornithosis] Koba S, et al. **Przegl Epidemiol** 1984;38(3):265-72 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Acute respiratory insufficiency from psittacosis [letter] **Br Med J [Clin Res]** 1985 Jul 6;291(6487):53-4

Acute respiratory insufficiency from psittacosis. van Berkel M, et al. **Br Med J [Clin Res]** 1985 May 18;290(6480):1503-4

Acute placentitis and spontaneous abortion caused by chlamydia psittaci of sheep origin: a histological and ultrastructural study. Wong SY, et al. **J Clin Pathol** 1985 Jun;38(6):707-11

[Neurological syndromes in anthropozoonoses] Nowak S. **Neurol Neurochir Pol** 1984 May-Jun;18(3):263-7 (24 ref.) **(Pol)**

DIAGNOSIS

Psittacosis. Harris LF, et al. **Ala Med** 1985 Jan;54(7):34, 36-7

Psittacosis. A diagnostic challenge. Kuritsky JN, et al. **J Occup Med** 1984 Oct;26(10):731-3

Psittacosis of non-avian origin [letter] Maffei C, et al. **Lancet** 1984 Oct 6;2(8406):806-7

[Severe Chlamydia psittaci pneumopathy in an adult] Manoury B, et al. **Ann Fr Anesth Reanim** 1984;3(6):456-7 (Eng. Abstr.) **(Fre)**

[Confusional form of Chlamydia psittaci encephalitis. Diagnostic value of microimmunofluorescence. A case] Reis J, et al. **Presse Med** 1985 Jan 19;14(2):87-9 (Eng. Abstr.) **(Fre)**

[Ornithosis immunodiagnosis--immunodiagnostic study of an ornithosis epidemic] Knobloch J, et al. **Off Gesundheitswes** 1985 May;47(5):224-6 **(Ger)**

ETIOLOGY

Abortion due to infection with Chlamydia psittaci in a sheep farmer's wife. Johnson FW, et al. **Br Med J [Clin Res]** 1985 Feb 23;290(6468):592-4

FAMILIAL & GENETIC

[Two cases of psittacosis in one family] Nakatani T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Sep; 22(9):809-14 (Eng. Abstr.) **(Jpn)**

[Psittacosis. Study of 2 cases occurring in a family] Montejo Baranda M, et al. **Rev Clin Esp** 1984 Nov 15-30; 175(3-4):173-4 **(Spa)**

[Familial outbreak of psittacosis] Wolff M. **Rev Med Chil** 1984 Sep;112(9):917-21 (Eng. Abstr.) **(Spa)**

HISTORY

'Contribution to the Question of Pneumotyphus': a discussion of the original article by J. Ritter in 1880. Harris RL, et al. **Rev Infect Dis** 1985 Jan-Feb;7(1):119-22

IMMUNOLOGY

Disturbances of cell-mediated immunity in ornithosis. Konopka L, et al. **Arch Immunol Ther Exp (Warsz)** 1984; 32(2):177-84

MICROBIOLOGY

[Chlamydial infection in herds of cattle with abortions] Martinov S. **Vet Med Nauki** 1984;21(10):81-8 (Eng. Abstr.) **(Bul)**

OCCURRENCE

An epidemic of mild pneumonia due to an unusual strain of Chlamydia psittaci. Saikku P, et al. **J Infect Dis** 1985 May;151(5):832-9

[Pulmonitis caused by Coxiella burneti and Chlamydia psittaci. 2 years of research in Marche] Bagnarelli P, et al. **Boll Ist Sieroter Milan** 1984;63(6):543-5 (Eng. Abstr.) **(Ita)**

[Epidemiology of psittacosis in an area of the Marche region] Maffei C, et al. **Nuovi Ann Ig Microbiol** 1984 May-Jun; 35(3):171-87 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Psittacosis pneumonia with cavitation [letter] Halle A, et al. **NY State J Med** 1984 Sep;84(9):443

Clinical and radiographic features of psittacosis infection. Coutts II, et al. **Thorax** 1985 Jul;40(7):530-2

TRANSMISSION

[Ornithosis as a nosocomial infection] Volkmer KJ, et al. **Off Gesundheitswes** 1985 Apr;47(4):173-6 **(Ger)**

VETERINARY

Chlamydia psittaci experimental abortion in goats. Rodolakis A, et al. **Am J Vet Res** 1984 Oct;45(10):2086-9

Isolation of Chlamydia psittaci from koalas (Phascolarctos cinereus). Brown AS, et al. **Aust Vet J** 1984 Dec;61(12):413

Observations on a skin sensitivity test for ovine enzootic abortion. Wilsmore AJ, et al. **Br Vet J** 1984 Sep-Oct; 140(5):468-77

Enigmatic psittacine chlamydiosis: results of serotesting and isolation attempts, 1978 through 1983, and considerations for the future. Grimes JE. **J Am Vet Med Assoc** 1985 May 15;186(10):1075-9

Prevalence of Chlamydia psittaci in imported psittacine birds from 1981 to 1983. Hirai K, et al. **Nippon Juigaku Zasshi** 1984 Dec;46(6):929-31

Inclusion keratoconjunctivitis ('pink eye') in sheep. A proposal for a new name for chlamydial keratoconjunctivitis in sheep and comment on recent clinical trials. Bogaard AE Jr. **Vet Q** 1984 Sep;6(4):229-35

Attempted venereal transmission of Chlamydia psittaci in sheep. Appleyard WT, et al. **Vet Rec** 1985 May 18;116(20):535-8

Duck hepatitis virus and Chlamydia psittaci outbreak [letter] Chalmers WS, et al. **Vet Rec** 1985 Feb 23;116(8):223

'Going-light' and psittacosis [letter] Hosie BD, et al. **Vet Rec** 1985 May 4;116(18):502

[Use of a concentrated and purified vaccine against chlamydial abortion in sheep] Martinov S, et al. **Vet Med Nauki** 1985;22(5):25-31 (Eng. Abstr.) **(Bul)**

[Is Chlamydia psittaci a complicating factor in paramyxovirus 1 infection in pigeons?] Schmeer N, et al. **DTW** 1984 Nov 22;91(11-12):398-9 (Eng. Abstr.) **(Ger)**

[Occurrence and control of psittacosis/ornithosis in West Germany] Wachendörfer G. **Tierarztl Prax** 1984;12(4):455-67 (Eng. Abstr.) **(Ger)**

[Identification of the Kaunas-1 strain isolated in the Lithuanian SSR in enteritis in calves] Domeika MA, et al. **Vopr Virusol** 1984 Nov-Dec;29(6):753-5 **(Rus)**

ORNITHOSIS VIRUS see **CHLAMYDIA PSITTACI**

OROANTRAL FISTULA

COMPLICATIONS

An oral soft tissue lesion associated with a sinus mass. Vizuete JR, et al. **J Am Dent Assoc** 1985 Apr;110(4):535-6

PATHOLOGY

[Case of an orosinusal fistula with an outcome of particular surgical interest] Baraglia M, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):433-4 (Eng. Abstr.) **(Ita)**

OROFACIODIGITAL SYNDROMES see under **ABNORMALITIES, MULTIPLE**

OROPHARYNGEAL NEOPLASMS see under **PHARYNGEAL NEOPLASMS**

OROPHARYNX

Problems with the trimethoprim-sulfamethoxazole regimen for oropharyngeal gonorrhea. O'Neil TJ, et al. **Milit Med** 1985 Jan;150(1):47-8

Evaluation of nystatin in prevention and elimination of oropharyngeal Candida in immunosuppressed patients. Barrett AP. **Oral Surg Oral Med Oral Pathol** 1984 Aug;58(2):148-51

IMMUNOLOGY

[Spontaneous rosette formation by neutrophils in oropharyngeal smears from children with chronic tonsillitis] Skriabin AS, et al. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):35-6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Virus isolation from tracheal explant cultures and oropharyngeal swabs in attempts to detect persistent Newcastle disease virus infections in chickens. King DJ. **Avian Dis** 1985 Apr-Jun;29(2):297-311

Colonization of the oropharynx with pathogenic microorganisms—a potential risk factor for infection in compromised patients. Heimdahl A, et al. **Chemioterapia** 1985 Apr;4(2):186-91

Oropharyngeal shedding of infectious Epstein-Barr virus in healthy virus-immune donors. A prospective study. Yao QY, et al. **Chin Med J [Engl]** 1985 Mar;98(3):191-6

Microbial colonization of the oropharynx, esophagus and stomach in patients with gastric diseases. Sjöstedt S, et al. **Eur J Clin Microbiol** 1985 Feb;4(1):49-51

Comparison between two non-absorbable antibiotic regimens for decontamination of the oropharynx. Borthen L, et al. **Infection** 1984 Sep-Oct;12(5):349-54

Oropharyngeal flora as a source of bacteria colonizing the lower airways in patients on artificial ventilation. van Uffelen R, et al. **Intensive Care Med** 1984;10(5):233-7

In vivo studies on the microbicidal activity of antiseptics on the flora of the oropharyngeal cavity. Exner M, et al. **J Hosp Infect** 1985 Mar;6 Suppl A:185-8

Changes in the oropharyngeal and colon microflora in relation to antimicrobial concentrations in saliva and faeces. Heimdahl A, et al. **Scand J Infect Dis [Suppl]** 1985;44:52-8

[Rhino- and oropharyngeal carriage of Haemophilus sp. in children] Pinon G, et al. **Pathol Biol (Paris)** 1984 Dec;32(10):1024-8 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Signals from the oropharynx may contribute to the diuresis which occurs in man to drinking isotonic fluids. Gebruers EM, et al. **J Physiol (Lond)** 1985 Jun;363:21-33

PHYSIOPATHOLOGY

[Orofacial dyskinesias and changes in the nasal, naso- and oropharyngeal airways] Jonas I, et al. **Fortschr Kieferorthop** 1985 Apr;46(2):113-26 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Radiologic evaluation of swallowing. Donner MW. **Am Rev Respir Dis** 1985 May;131(5):S20-3

OROSOMUCOID

The shapes of biantennary and tri/tetraantennary alpha 1 acid glycoprotein by small-angle neutron and X-ray scattering. Perkins SJ, et al. **Eur J Biochem** 1985 Mar 15;147(3):525-31

Determination of (R)- and (S)-disopyramide in human plasma using a chiral alpha 1-acid glycoprotein column. Hermansson J, et al. **J Chromatogr** 1984 Dec 12;336(2):321-8

ANALOGS & DERIVATIVES

Biliary excretion of FITC metabolites after administration of FITC labeled asialo orosomucoid as a measure of lysosomal proteolysis. van der Sluijs P, et al. **Biochem Pharmacol** 1985 May 1;34(9):1399-405

Uptake and degradation of asialo-orosomucoid in hepatocytes from carcinogen-treated rats. Schwarze E, et al. **Carcinogenesis** 1985 May;6(5):777-82

In situ 125I-labelling of endosome proteins with lactoperoxidase conjugates. Watts C. **EMBO J** 1984 Sep;3(9):1965-70

Endocytosis and binding of asialoorosomucoid by hepatocytes from rats with jejunoileal bypass. Serbource-Goguel/Seta N, et al. **Hepatology** 1985 Mar-Apr;5(2):220-3

Reduced transport of bilirubin and asialoorosomucoid in regenerating rat liver is a microtubule-independent event. Stollman YR, et al. **Hepatology** 1985 Sep-Oct;5(5):798-804

Binding of drugs with a quaternary ammonium group to alpha-1 acid glycoprotein and asialo alpha-1 acid glycoprotein. van der Sluijs P, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):703-7

ANALYSIS

Enzyme-linked immunoadsorbent assay with electrochemical detection for alpha 1-acid glycoprotein. Doyle MJ, et al. **Anal Chem** 1984 Nov;56(13):2355-60

Auramine O as a fluorescent probe for the binding of basic drugs to human alpha 1-acid glycoprotein (alpha 1-AG). The development of a simple fluorometric method for the determination of alpha 1-AG in human serum. Sugiyama Y, et al. **Biochem Pharmacol** 1985 Mar 15;34(6):821-9

Decreased alpha 1-acid glycoprotein in liver cirrhosis: consequences for drug protein binding [letter] Barre J, et al. **Br J Clin Pharmacol** 1984 Oct;18(4):652-3

Alpha 1-acid glycoprotein concentrations and propranolol binding in elderly patients with acute illness. Paxton JW, et al. **Br J Clin Pharmacol** 1984 Nov;18(5):806-10

Serum carcinoembryonic antigen and acute phase reactant proteins in the pre-operative detection of fixation of colorectal tumours. Durdey P, et al. **Br J Surg** 1984 Nov;71(11):881-4

Monitoring the therapy of lung cancer with alpha-1-acid glycoprotein. Ganz PA, et al. **Cancer Res** 1984 Nov;44(11):5415-21

Immunoturbidimetric assay for alpha 1-acid glycoprotein in serum with a centrifugal analyzer. Marteau F, et al. **Clin Chem** 1985 Jun;31(6):873-4

D-galactosamine-induced liver injury: a rat model to study the heterogeneity of the oligosaccharide chains of alpha 1-acid glycoprotein. Monnet D, et al. **J Clin Chem Clin Biochem** 1985 Apr;23(4):249-53

An immunochemical procedure to evaluate the degree of desialylation of alpha 1-acid glycoprotein in rat serum. Biou D, et al. **J Immunol Methods** 1984 Nov 30;74(2):267-71

A method for the assay of alpha 1-acid glycoprotein in dog serum and its application to the plasma binding of propranolol and oxprenolol in animals receiving rifampicin. Delcroix C, et al. **J Pharmacol Methods** 1984 Sep;12(2):97-105

Cancer serum index and prostatic acid phosphatase for detection of progressive prostatic cancer. Robey EL, et al. **J Urol** 1985 Oct;134(4):787-90

Localization of alpha-1 acid glycoproteins in human myocardium. Siegel RJ, et al. **Lab Invest** 1985 Jan;52(1):107-12

Sequence similarity between EGF receptor and alpha 1-acid glycoprotein. Toh H, et al. **Nature** 1985 Mar 14-20;314(6007):199

Serum alpha-1-acid glycoprotein in chronic renal failure. Docci D, et al. **Nephron** 1985;39(3):160-3

[Practical method for diagnosing and following the development of infection in the neonatal period] Willard D. **Pediatrie** 1984 Jul-Aug;39(5):395-8 **(Fre)**

[Determination of alpha acid glycoprotein in normal and pathologic pregnancy] Rosić B, et al. **Jugosl Ginekol Opstet** 1984 Sep-Dec;24(5-6):98-9 (Eng. Abstr.) **(Scr)**

[Diagnostic significance of orosomucoid in bacterial infections in children] Pavkovčeková O, et al. **Cesk Pediatr** 1984 Oct;39(10):584-6 (Eng. Abstr.) **(Slo)**

BIOSYNTHESIS

Effect of the threonine analog beta-hydroxynorvaline on the glycosylation and secretion of alpha 1-acid glycoprotein by rat hepatocytes. Docherty PA, et al. **J Biol Chem** 1985 Sep 5;260(19):10847-55

BLOOD

Studies of monokines as mediators of the acute phase response: effects on sialyltransferase, albumin, alpha 1-acid glycoprotein and beta-N-acetylhexosaminidase. Woloski BM, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):30-6

Lack of effect of carbamazepine on serum alpha 1-acid glycoprotein concentration [letter] Rapeport WG, et al. **Clin Chem** 1985 Jul;31(7):1253

Prognostic significance of serum alpha 1-acid glycoprotein in patients with glioblastoma multiforme: a preliminary communication. Matsuura H, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):835-7

GENETICS

Expression of the cDNA for alpha 1-acid glycoprotein, a rat plasma protein, in Escherichia coli. Birch HE, et al. **Biochem Int** 1983 May;6(5):653-61

Direct assignment of orosomucoid to human chromosome 9 and alpha 2HS-glycoprotein to chromosome 3 using human fetal liver x rat hepatoma hybrids. Cox DW, et al. **Hum Genet** 1985;70(2):109-15

Rat alpha 1-acid glycoprotein. Gene sequence and regulation by glucocorticoids in transfected L-cells. Reinke R, et al. **J Biol Chem** 1985 Apr 10;260(7):4397-403

Structure of the human alpha 1-acid glycoprotein gene: sequence homology with other human acute phase protein genes. Dente L, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):3941-52

ISOLATION & PURIFICATION

Isolation of alpha 1-acid glycoprotein from human plasma using high-performance liquid chromatography. Hellerstein MK, et al. **Anal Biochem** 1985 May 1;146(2):366-71

Crystallization of alpha 1-acid glycoprotein. McPherson A, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):619-24

Two-step purification of human alpha 1-acid glycoprotein. Succari M, et al. **J Chromatogr** 1985 Jun 14;341(2):457-61

[Isolation of orosomucoid from human blood plasma and preparation of its antiserum] Bystrova NK, et al. **Lab Delo** 1985;(4):209-11 (Eng. Abstr.) **(Rus)**

METABOLISM

Time course of alpha-1-acid glycoprotein and its relation to myocardial enzymes after acute myocardial infarction. Giardina EG, et al. **Am J Cardiol** 1985 Aug 1;56(4):262-5

Protein binding of disopyramide and elevated alpha-1-acid glycoprotein concentrations in serum obtained from dialysis patients and renal transplant recipients. Haughey DB, et al. **Am J Nephrol** 1985;5(1):35-9

The effects of 17 alpha-ethynyloestradiol and of acute inflammation on the plasma concentration of rat alpha 1-acid glycoprotein and on the induction of its hepatic mRNA. Diarra-Mehrpour M, et al. **Biochem J** 1985 Feb 1;225(3):681-7

Modification of propranolol binding to alpha-1-acid glycoprotein by serum albumin. Chauvelot-Moachon L, et al. **Biochem Pharmacol** 1985 May 1;34(9):1591-4

Stereoselective binding of propranolol enantiomers to human alpha 1-acid glycoprotein and human plasma. Albani F, et al. **Br J Clin Pharmacol** 1984 Aug;18(2):244-6

Serum protein binding and the role of increased alpha 1-acid glycoprotein in moderately obese male subjects. Benedek IH, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):941-6

Relationship between alpha 1-acid glycoprotein and plasma binding of disopyramide and mono-N-dealkyldisopyramide. Bredesen JE, et al. **Br J Clin Pharmacol** 1984 Nov;18(5):779-84

Determinants of carbamazepine and carbamazepine 10,11-epoxide binding to serum protein, albumin and alpha 1-acid glycoprotein. MacKichan JJ, et al. **Br J Clin Pharmacol** 1984 Oct;18(4):487-93

Changes in serum albumin and alpha 1-acid glycoprotein concentrations during pregnancy: an analysis of fetal-maternal pairs. Krauer B, et al. **Br J Obstet Gynaecol** 1984 Sep;91(9):875-81

Drug-protein binding interferences caused by the plasticizer TBEP. Devine JE. **Clin Biochem** 1984 Dec;17(6):345-7

High alpha 1-acid glycoprotein concentrations in serum of epileptic children being treated with carbamazepine [letter] Riva R, et al. **Clin Chem** 1985 Jan;31(1):150-1

Drug binding in the undernourished: a study of the binding of propranolol to alpha 1-acid glycoprotein. Jagadeesan V, et al. **Eur J Clin Pharmacol** 1985;27(6):657-9

Interindividual differences in the binding of antidepressives to plasma proteins: the role of the variants of alpha 1-acid glycoprotein. Tinguely D, et al. **Eur J Clin Pharmacol** 1985;27(6):661-6

Serum alpha 1-acid glycoprotein level in chronic hemodialysis patients. Yorioka N, et al. **Hiroshima J Med Sci** 1984 Sep;33(3):377-81

Antipyrine clearance and alpha 1-acid glycoprotein levels after isotretinoin. Marsden JR, et al. **Hum Toxicol** 1985 May;4(3):335-8

Age effects on alpha-1-acid glycoprotein concentration and imipramine plasma protein binding. Abernethy DR, et al. **J Am Geriatr Soc** 1984 Oct;32(10):705-8

Prazosin binding to human alpha 1-acid glycoprotein (orosomucoid), human serum albumin, and human serum. Further characterization of the 'single drug binding site' of orosomucoid. Brunner F, et al. **J Pharm Pharmacol** 1985 May;37(5):305-9

Protein binding of disopyramide--displacement by mono-N-dealkyldisopyramide and variation with source of alpha-1-acid glycoprotein. Haughey DB, et al. **J Pharm Pharmacol** 1985 Apr;37(4):285-8

Effect of the sialylation state of alpha 1-acid glycoprotein on propranolol binding. Primozic S, et al. **J Pharm Sci** 1985 Apr;74(4):473-5

Diurnal variation of alpha 1-acid glycoprotein concentration in normal volunteers. Yost RL, et al. **J Pharm Sci** 1985 Jul;74(7):777-9

Binding of drugs with a quaternary ammonium group to alpha-1 acid glycoprotein and asialo alpha-1 acid glycoprotein. van der Sluijs P, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):703-7

A common single binding site for many psychotropic drugs on human alpha 1-acid glycoprotein. Therapeutically relevant observation? Müller WE. **Pharmacopsychiatry** 1985 Jul;18(4):257-8

[Course of inflammatory and nutrition proteins in bacterial infections in newborn infants] Sann L, et al. **Pediatrie** 1984 Jul-Aug;39(5):385-93 (Eng. Abstr.) **(Fre)**

[Acute-phase proteins and beta 2 microglobulin in the follow-up of Crohn disease and ulcerative colitis] Bollbach R, et al. **Klin Padiatr** 1985 Mar-Apr;197(2):106-10 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Anti-inflammatory action of alpha-1-acid-glycoprotein in urate crystal inflammation. Denko CW, et al. **Agents Actions** 1984 Dec;15(5-6):539-40

Lack of inhibitory effects of alpha 1-acid glycoprotein (orosomucoid) on Plasmodium falciparum invasion of human erythrocytes. Gupta SK, et al. **Am J Trop Med Hyg** 1985 Sep;34(5):441-6

Influence of acute-phase proteins on the activity of natural killer cells. Okumura Y, et al. **Inflammation** 1985 Jun;9(2):211-9

Effects of albumin and alpha-1 acid glycoprotein on elimination of prazosin and antipyrine in the isolated perfused rat liver. Oie S, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):636-40

PHYSIOLOGY

Further characterization of the effects of alpha-1-acid glycoprotein on the passage of human erythrocytes through micropores. Maeda H, et al. **Cell Struct Funct** 1984 Sep;9(3):279-90

SECRETION

Secretion of high-mannose-type alpha 1-proteinase inhibitor and alpha 1-acid glycoprotein by primary cultures of rat hepatocytes in the presence of the mannosidase I inhibitor 1-deoxymannojirimycin. Gross V, et al. **Eur J Biochem** 1985 Jul 1;150(1):41-6

Zone immunoelectrophoresis assay applied to alpha 1-acid glycoprotein secretion by isolated rat hepatocytes. Appel M, et al. **Experientia** 1984 Dec 15;40(12):1443-5

URINE

Crossed-immunoelectrophoresis analysis of the urinary excretion of alpha 1-acid glycoprotein, alpha 1-antitrypsin, albumin, and transferrin in normal subjects and in patients with renal disease. Coimbra TM, et al. **Braz J Med Biol Res** 1984;17(1):35-41

OROTATE PHOSPHORIBOSYLTRANSFERASE see under **PENTOSYLTRANSFERASES**

OROTIC ACID

ANALOGS & DERIVATIVES

On some mechanisms of antihypoxic actions of nootropic drugs. Fischer HD, et al. **Biomed Biochim Acta** 1984;43(4):541-3

5-Fluoroorotate: a new liposome-dependent cytotoxic agent. Heath TD, et al. **FEBS Lett** 1985 Jul 22;187(1):73-5

A positive selection for mutants lacking orotidine-5'-phosphate decarboxylase activity in yeast: 5-fluoro-orotic acid resistance. Boeke JD, et al. **MGG** 1984;197(2):345-6

Effect of the memory-improving substance methylglucamine orotate on paradoxical sleep in rats. Wetzel W, et al. **Psychopharmacology (Berlin)** 1984;83(4):380-3

ANALYSIS

Stable isotope dilution analysis of orotic acid and uracil in amniotic fluid. Jakobs C, et al. **Clin Chim Acta** 1984 Nov 15;143(2):123-33

BIOSYNTHESIS

Influence of lysine on urea cycle activity and orotate formation in the isolated perfused rat liver. de Vrese M, et al. **Biol Chem Hoppe Seyler** 1985 May;366(5):455-61

ISOLATION & PURIFICATION

[Isolation of orotic acid from the liver and its metabolism in the rat] Khokha AM, et al. **Vopr Med Khim** 1984 Jul-Aug;30(4):22-6 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of rat blastocyst on the incorporation of radioactive precursors to endometrial macromolecules. Castro-Osuna G, et al. **Arch Invest Med (Mex)** 1984 Oct-Dec;15(4):303-10 **(Eng, Spa)**

Utilization of labelled uridine, cytidine and orotic acid for determination of ribonucleic acid synthesis in mouse liver. Lewan L, et al. **Comp Biochem Physiol [B]** 1985;81(2):499-502

PHARMACODYNAMICS

Assessment in humans of hypolipidemia induced by orotic acid. Robinson JL, et al. **Am J Clin Nutr** 1985 Mar;41(3):605-8

Early effects of dietary orotic acid upon liver lipid synthesis and bile cholesterol secretion in rats. Tokmakjian SD, et al. **J Lipid Res** 1985 Apr;26(4):478-86

[The effect of the systemic and intraventricular application of orotic acid on monosynaptic evoked potentials in the dentate gyrus in free-moving rats] Krug M, et al. **Biomed Biochim Acta** 1985;44(4):623-30 (Eng. Abstr.) **(Ger)**

[Comparative study of the indices of the antidepressive activity of potassium orotate and piracetam] Karkishchenko NN, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):32-5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Orotic acid] Falk M. **Pharmazie** 1985 Jun;40(6):377-83 (147 ref.) **(Ger)**

THERAPEUTIC USE

[The action of potassium orotate in prophylactic and therapeutic administration to irradiated rats] Zhemkova LN, et al. **Radiobiologiia** 1985 Mar-Apr;25(2):208-11 (Eng. Abstr.) **(Rus)**

TOXICITY

Orotic acid, a promoter of liver carcinogenesis induces DNA damage in rat liver. Rao PM, et al. **Carcinogenesis** 1985 May;6(5):765-8

URINE

Orotic acid excretion during starvation and refeeding in normal men. Jeevanandam M, et al. **Metabolism** 1985 Apr;34(4):325-9

Orotic aciduria and species specificity. **Nutr Rev** 1984 Aug;42(8):292-4 (19 ref.)

[Metabolic effects of orotic acid] Müller G. **Z Gesamte Inn Med** 1984 Jun 15;39(12):269-73 (Eng. Abstr.) **(Ger)**

OROTIDINE-5'-PHOSPHATE DECARBOXYLASE see under **CARBOXY-LYASES**

OROYA FEVER see **BARTONELLA INFECTIONS**

ORPHAN DRUG PRODUCTION see under **DRUG INDUSTRY**

ORPHENADRINE

ADMINISTRATION & DOSAGE

Problems with inactivation of drugs used in Parkinson's disease. Walls TJ, et al. **Br Med J [Clin Res]** 1985 Feb 9;290(6466):444-5

BLOOD

Orphenadrine serum levels in a poisoned patient. Furlanut M, et al. **Hum Toxicol** 1985 May;4(3):331-3

PHARMACODYNAMICS

Antinociceptive effects of orphenadrine citrate in mice. Hunskaar S, et al. **Eur J Pharmacol** 1985 May 8;111(2):221-6

POISONING

Acute poisoning with orphenadrine [letter] Clarke B, et al. **Lancet** 1985 Jun 15;1(8442):1386

Dangers of orphenadrine in psychiatric patients [letter] Mugglestone CJ. **Lancet** 1985 Sep 14;2(8455):617

Dangers of orphenadrine in psychiatric patients [letter] Sangster B. **Lancet** 1985 Aug 3;2(8449):280

[Poisoning by orphenadrine chlorhydrate] Wagner P, et al. **Cah Anesthesiol** 1982 Dec;30(8):1111-5 **(Fre)**

THERAPEUTIC USE

Seventh nerve spasm: effect of modification of cholinergic balance. Hughes EC, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):491-9

ORTHO-AMINOBENZOIC ACIDS see **ANTHRANILIC ACIDS**

ORTHO-DIHYDROXYBENZENES see **CATECHOLS**

ORTHO,PARA-DDD see **MITOTANE**

ORTHODONTIC APPLIANCES

see related
BONDING, DENTAL

Silhouette profiles in the assessment of facial esthetics: a comparison of cases treated with various orthodontic appliances. Barrer JG, et al. **Am J Orthod** 1985 May;87(5):385-91

Magnetic force systems in orthodontics. Clinical results of a pilot study. Blechman AM. **Am J Orthod** 1985 Mar;87(3):201-10

Chinese NiTi wire--a new orthodontic alloy. Burstone CJ, et al. **Am J Orthod** 1985 Jun;87(6):445-52

Force degradation of orthodontic elastomeric chains--a product comparison study. De Genova DC, et al. **Am J Orthod** 1985 May;87(5):377-84

A comparison of Class II treatment changes noted with the light wire, edgewise, and Fränkel appliances. Gianelly AA, et al. **Am J Orthod** 1984 Oct;86(4):269-76

Biomechanical design and clinical evaluation of a new canine-retraction spring. Gjessing P. **Am J Orthod** 1985 May;87(5):353-62

Retained ligature wire and periodontal health. Report of a case. Goldstein AR, et al. **Am J Orthod** 1984 Oct;86(4):315-8

Implications of the failure rates of bonded brackets and eyelets: a clinical study. Gorelick L, et al. **Am J Orthod** 1984 Nov;86(5):403-6

Force relaxation in orthodontic arch wires. Hazel RJ, et al. **Am J Orthod** 1984 Nov;86(5):396-402

Comparison study between three tooth positioners. Mischler WA, et al. **Am J Orthod** 1984 Feb;85(2):154-8

Direct bonding of orthodontic brackets to esthetic restorative materials using a silane. Newman SM, et al. **Am J Orthod** 1984 Dec;86(6):503-6

On the application of engineering mechanics to the force and structural analyses of orthodontic appliances [editorial] Nikolai RJ. **Am J Orthod** 1985 Mar;87(3):253-5

Bond strengths of three resin systems used with brackets and embedded wire attachments. Schulz RP, et al. **Am J Orthod** 1985 Jan;87(1):75-80

In vitro tensile bond strength of reconditioned brackets. Wright WL, et al. **Am J Orthod** 1985 Mar;87(3):247-52

Stiffness of incisor segments of edgewise arches in torsion and bending. Wagner JA, et al. **Angle Orthod** 1985 Jan;55(1):37-50

Semi-fixed appliance to treat injurious lip habit: report of case. Jasmin JR. **ASDC J Dent Child** 1985 May-Jun;52(3):188-90

Stabilisation of traumatised anterior teeth using Mobil-Lock brackets. Dixon DA, et al. **Br Dent J** 1984 Sep 8;157(5):171-2

The bonded bridge: an improved model? Jones ML, et al. **Br Dent J** 1984 Aug 25;157(4):138-40

The physical characteristics of the stabilized canine retractor. Adams CP, et al. **Br J Orthod** 1985 Jan;12(1):27-32

Appliance breakages. Kerr WJ. **Br J Orthod** 1984 Jul;11(3):137-42

Orthodontic treatment with lingually bonded brackets. Sandham JA. **Br J Orthod** 1984 Oct;11(4):189-94

A simple orthodontic appliance for dealing with a common canine problem. Senior WB. **Br J Orthod** 1985 Apr;12(2):102-5

Computer based methodology for construction of orthodontic arch wire templates. BeGole EA. **Comput Programs Biomed** 1984;19(1):61-8

Bond strengths of an integral bracket-base combination: an in vitro study. Ferguson JW, et al. **Eur J Orthod** 1984 Nov;6(4):267-76

Treatment of unilateral posterior crossbite with quad-helix and removable plates. A retrospective study. Hermanson H, et al. **Eur J Orthod** 1985 May;7(2):97-102

A simple sectional canine retraction technique using the properties of nickel titanium rectangular wire. Orton HS, et al. **Eur J Orthod** 1985 May;7(2):120-6

The theoretical and practical application of a remoldable craniomandibular appliance. Ahlin JH. **Int J Orthod** 1984 Jun-Sep;22(2-3):21-3

Construction bite. How important is it? Skay J. **Int J Orthod** 1984 Jun-Sep;22(2-3):19

A new method for finite element simulation of orthodontic appliance-teeth-periodontium-alveolus system. Miyakawa O, et al. **J Biomech** 1985;18(4):277-84

The effect of Class II elastic forces on craniofacial growth in rats. Bakker VM, et al. **J Dent Res** 1985 Jan;64(1):44-7

Elastic modulus of a triple-stranded stainless steel arch wire via three- and four-point bending. Kusy RP, et al. **J Dent Res** 1984 Oct;63(10):1232-40

Tensile strength of soldered joints. O'Toole TJ, et al. **J Prosthet Dent** 1985 Mar;53(3):350-2

Treatment of obstructive sleep apnea with a nocturnal airway-patency appliance [letter] Soll BA, et al. **N Engl J Med** 1985 Aug 8;313(6):386-7

[Principle and application of an edgewise appliance] Fu MK. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jan;20(1):38-40 **(Chi)**

[Management of incisor supraclusion] Burgos C. **Rev Stomatol Chir Maxillofac** 1985;86(2):92-4 (Eng. Abstr.) (Fre)

[Stimulation in the treatment of hard palate cleft] Perzyna B. **Rev Stomatol Chir Maxillofac** 1984;85(5):368-9 (Eng. Abstr.) (Fre)

[Amelogenesis imperfecta—orthodontic problems and their solution using multiband appliances and temporary steel crowns] Bachmann J. **Fortschr Kieferorthop** 1985 Jan;46(1):66-71 (Eng. Abstr.) (Ger)

[Analysis of the effectiveness of the Fränkel method for the treatment of distal bite] Choroschilkina FJ, et al. **Fortschr Kieferorthop** 1984 Dec;45(6):448-64 (Eng. Abstr.) (Ger)

[Modification of mandibular growth by various appliances] Hauenstein P. **Fortschr Kieferorthop** 1985 Apr;46(2):134-7 (Eng. Abstr.) (Ger)

[Late results following orthodontic treatment with fixed appliances] Kaminek M. **Fortschr Kieferorthop** 1984 Oct;45(5):382-9 (Eng. Abstr.) (Ger)

[Importance of the corrosion factor in bracket adhesive technics] Kappert HF, et al. **Fortschr Kieferorthop** 1984 Aug;45(4):271-83 (Eng. Abstr.) (Ger)

[Differential diagnosis and indications status in the therapy of class II anomalies] Rakosi T. **Fortschr Kieferorthop** 1984 Dec;45(6):442-7 (Eng. Abstr.) (Ger)

[Processing and evaluation of orthodontic autopolymerizing agents] Rossiwall B, et al. **Fortschr Kieferorthop** 1984 Oct;45(5):403-13 (Eng. Abstr.) (Ger)

[Differential effectiveness of rigid and elastic-movable appliances in daily practice] Stockfisch H. **Fortschr Kieferorthop** 1984 Aug;45(4):251-64 (Eng. Abstr.) (Ger)

[Recurrence in and following retention] Ulgen M. **Fortschr Kieferorthop** 1984 Dec;45(6):475-88 (Eng. Abstr.) (Ger)

[Early functional orthodontic treatment of orofacial developmental disorders in children with Down's syndrome] Fischer-Brandies H, et al. **Monatsschr Kinderheilkd** 1984 Aug;132(8):620-1 (Eng. Abstr.) (Ger)

[The straight-wire orthodontic method] Kocsis SG, et al. **Fogorv Sz** 1984 Aug;77(8):225-8 (Eng. Abstr.) (Hun)

[Oral hygiene in children wearing orthodontic devices] Lindner Z, et al. **Fogorv Sz** 1984 Sep;77(9):283-6 (Eng. Abstr.) (Hun)

[New direct bonding bracket for oral surgery] Yoshimasu H, et al. **Kokubyo Gakkai Zasshi** 1984 Sep;51(3):604-9 (Jpn)

[A clasp fixed in incisions on the buccal side of deciduous teeth] Michalowska A, et al. **Ann Acad Med Stetin** 1984;30:273-9 (Eng. Abstr.) (Pol)

ORTHODONTIC APPLIANCES, REMOVABLE

Clinical measurement of distally directed headgear loading. Bratcher HJ, et al. **Am J Orthod** 1985 Aug;88(2):125-32

A comparison of Class II treatment changes noted with the light wire, edgewise, and Fränkel appliances. Gianelly AA, et al. **Am J Orthod** 1984 Oct;86(4):269-76

Patient cooperation in treatment with removable appliances: a model of patient noncompliance with treatment implications. Gross AM, et al. **Am J Orthod** 1985 May;87(5):392-7

Photoelastic effects of maxillary protraction on the craniofacial complex. Itoh T, et al. **Am J Orthod** 1985 Aug;88(2):117-24

Analysis and design of multiple-beam appliances. Koenig HA, et al. **Am J Orthod** 1984 Nov;86(5):391-5

Treatment of children with ectopic eruption of the maxillary first permanent molar by cervical traction. Kurol J, et al. **Am J Orthod** 1984 Dec;86(6):483-92

Activator headgear therapy. Levin RI. **Am J Orthod** 1985 Feb;87(2):91-109

Skeletal and dental changes following functional regulator therapy on class II patients. McNamara JA Jr, et al. **Am J Orthod** 1985 Aug;88(2):91-110

A cephalometric analysis of skeletal and dental changes contributing to Class II correction in activator treatment. Pancherz H. **Am J Orthod** 1984 Feb;85(2):125-34

The Herbst appliance—its biologic effects and clinical use. Pancherz H. **Am J Orthod** 1985 Jan;87(1):1-20

A perspective of the Crozat appliance with case reports of its present use. Parker WS. **Am J Orthod** 1985 Jul;88(1):1-21

Response to activator treatment in Class II malocclusions. Vargervik K, et al. **Am J Orthod** 1985 Sep;88(3):242-51

The effects of chin cup therapy on the mandible: a longitudinal study. Wendell PD, et al. **Am J Orthod** 1985 Apr;87(4):265-74

Maxillary skeletal and dental change with Fränkel appliance therapy—an implant study. Brieden CM, et al. **Angle Orthod** 1984 Jul;54(3):226-32

Zygomaticomaxillary suture adaptations incident to anteriorly-directed forces in rhesus monkeys. Nanda R, et al. **Angle Orthod** 1984 Jul;54(3):199-210

The removable quadhelix appliance. Asher C. **Br J Orthod** 1985 Jan;12(1):40-5

Improved craniomaxillary fixation using orthodontic appliances. Ferguson JW, et al. **Br J Orthod** 1985 Jan;12(1):46-8

The Function Regulator III: effects and indications for use. Loh MK, et al. **Br J Orthod** 1985 Jul;12(3):153-7

The effect of on the incisor teeth of activator treatment: a follow-up study. Mörndal O. **Br J Orthod** 1984 Oct;11(4):214-20

The role of removable orthodontic appliances in the investigation and management of patients with hypernasal speech. Thompson RF, et al. **Br J Orthod** 1985 Apr;12(2):70-7

A laminagraphic study of the alterations in the temporo-mandibular joint following activator treatment. Birkebaek L, et al. **Eur J Orthod** 1984 Nov;6(4):257-66

Treatment of unilateral posterior crossbite with quad-helix and removable plates. A retrospective study. Hermanson H, et al. **Eur J Orthod** 1985 May;7(2):97-102

A realistic view of functional appliances. Shaye R. **Int J Orthod** 1984 Jun-Sep;22(2-3):3-5

A simplified approach to functional therapy. Spika FX. **Int J Orthod** 1985 Spring;23(1-2):8-9

Effect of post-surgical jaw-orthopaedic treatment in unilateral cleft lip and palate patients. Lennartsson B, et al. **Scand J Plast Reconstr Surg** 1984;18(2):227-31

[A clinical study on anchorage using ring plate removable appliances] Xie YY. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Jun;19(2):109-11 (Chi)

[The use of extraoral forces in relation to removable appliances in rationally planned orthodontic treatment] Ergenzinger G. **Fortschr Kieferorthop** 1985 Jan;46(1):44-52 (Eng. Abstr.) (Ger)

[Patient age as a limit in the use of functional orthodontic appliances] Grosfeld O. **Fortschr Kieferorthop** 1984 Aug;45(4):265-70 (Eng. Abstr.) (Ger)

[Appliance therapy of orofacial dyskinesias in cerebral palsy patients] Haberfellner H, et al. **Fortschr Kieferorthop** 1985 Jun;46(3):224-32 (Eng. Abstr.) (Ger)

[Bone and soft tissue profile changes following headgear and activator therapy] Jonas I. **Fortschr Kieferorthop** 1984 Oct;45(5):335-47 (Eng. Abstr.) (Ger)

[Orthodontic-orthopedic combination treatment of large frontal overjet] Lehman R, et al. **Fortschr Kieferorthop** 1984 Dec;45(6):465-74 (Eng. Abstr.) (Ger)

[Modified activators in cerebral palsy patients—a new area of application] Richter M, et al. **Fortschr Kieferorthop** 1985 Jun;46(3):233-40 (Eng. Abstr.) (Ger)

[Differential effectiveness of rigid and elastic-movable appliances in daily practice] Stockfisch H. **Fortschr Kieferorthop** 1984 Aug;45(4):251-64 (Eng. Abstr.) (Ger)

[Intensive treatment in severe distal bite using the headgear-Herbst appliance in mixed dentition] Wieslander L. **Schweiz Monatsschr Zahnmed** 1984 Nov;94(11):1189-206 (Eng. Abstr.) (Ger)

[Results of the analysis of lateral teleroentgenograms of the head before and after orthodontic treatment of prognathic (distal) bite using a lidase preparation] Mustafa IA, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):70-2 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

Severe ocular injuries from orthodontic headgear. Holland GN, et al. **Arch Ophthalmol** 1985 May;103(5):649-51

Candidal carriage and plaque distribution before, during and after removable orthodontic appliance therapy. Arendorf T, et al. **J Clin Periodontol** 1985 May;12(5):360-8

ORTHODONTIC WIRES see under **ORTHODONTIC APPLIANCES**

ORTHODONTICS

Beyond roentgenographic cephalometry—what? [letter] **Am J Orthod** 1984 Feb;85(2):182-3

Quo vadis? [editorial] Dougherty HL. **Am J Orthod** 1985 Apr;87(4):345-6

A discussion of tasks that can be performed by a computerized orthodontic office management system. Graham W. **Am J Orthod** 1984 Feb;85(2):135-40

Occupational health hazards in the orthodontic office [editorial] Singer J. **Am J Orthod** 1984 Dec;86(6):518-9

Values and behavior [editorial] Watson WG. **Am J Orthod** 1984 Oct;86(4):347-9

Clinical radiography in the orthodontic practice. Alpern MC. **Angle Orthod** 1984 Jul;54(3):233-46

Freedom and responsibility. Robertson NR. **Br Dent J** 1984 Aug 25;157(4):123-4

A comprehensive interactive on-line computer system for research and clinical practice in orthodontics. Bhatia SN. **Br J Orthod** 1985 Jan;12(1):15-26

The Treatment Study Group of the BSSO. Clark JD. **Br J Orthod** 1985 Jul;12(3):139-48

Fundamentals of orthodontics with criteria for referral. Currier GF. **Pediatr Ann** 1985 Feb;14(2):117, 119-20, 123-4

A simple technique for stabilizing mandibular segments [letter] Ryan RF, et al. **Plast Reconstr Surg** 1985 Mar;75(3):440-1

Inter-rater agreement among orthodontists in a blocked experiment. Korn EL, et al. **Stat Med** 1985 Jan-Mar;4(1):47-52

[Computerized data collection and processing of graphic cephalometric data in dentomaxillofacial orthodontics] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 1985;86(2):73-5 (Eng. Abstr.) (Fre)

[The computer: practical application in dentomaxillofacial orthodontics] Vallat JJ. **Rev Stomatol Chir Maxillofac** 1985;86(2):76-80 (Eng. Abstr.) (Fre)

[Orthodontic aspects of gaps in the anterior teeth] Fleischer-Peters A. **Dtsch Zahnarztl Z** 1984 Jul;39(7):496-501 (10 ref.) (Ger)

[Evaluation of the orthopantomogram in orthodontics] Marxer H. **Schweiz Monatsschr Zahnmed** 1985 May;95(5):445-53 (Eng. Abstr.) (Ger)

[Determination and assessment of dental anomalies in deciduous dentition in relation to orthodontic problems] Vichi M, et al. **Minerva Stomatol** 1984 Jul-Aug;33(4):589-98 (Eng. Abstr.) (Ita)

EDUCATION

Orthodontic specialty education [editorial] Moorrees CF. **Am J Orthod** 1984 Nov;86(5):435-6

Orthodontic graduate education survey. Sinclair PM, et al. **Am J Orthod** 1984 Feb;85(2):175-81

An assessment of computer-assisted learning in orthodontics. Luffingham JK. **Br J Orthod** 1984 Oct;11(4):205-8

Clinical orthodontic experience of Liverpool undergraduates. Pender N, et al. **Br J Orthod** 1985 Jul;12(3):114-6

Predoctoral orthodontic instruction and practice of recent graduates in Florida. McDuffie MW, et al. **J Dent Educ** 1985 May;49(5):324-6

HISTORY

[History and activities of the Pedodontic and Orthodontic Clinic of the Semmelweis University School of Medicine for a quarter of a century] Dénes J. **Fogorv Sz** 1984 Sep;77(9):258-9 (Hun)

[The significance and historical development of orthodontics— development and status in Vojvodina] Marić D. **Med Pregl** 1984;37(7-8):351-3 (Ser)

TRENDS

[Mucogingival problems and their treatment in relation to orthodontic movements] Payot P, et al. **Schweiz Monatsschr Zahnmed** 1984 Aug;94(8):755-63 (37 ref.) (Eng. Abstr.) (Fre)

ORTHODONTICS, CORRECTIVE

A survey to evaluate the management of orthodontic patients with a history of rheumatic fever or congenital heart disease. Gaidry D, et al. **Am J Orthod** 1985 Apr;87(4):338-44

Re: Comments on condylar growth of the mandible and orthodontic treatment [letter] Sadowsky C. **Am J Orthod** 1985 May;87(5):438

Comments on condylar growth of the mandible and orthodontic treatment [editorial] Thompson JR. **Am J Orthod** 1985 Jan;87(1):81

A new oral hygiene strategy. White L. **Am J Orthod** 1984 Dec;86(6):507-15

Occlusal management for the adolescent. Shaw WC. **Br Dent J** 1985 Jun 22;158(12):450-4

Plaster on the table. Berman M. **Br J Orthod** 1985 Jan;12(1):3-14

The effect of social class and dental features on referrals for orthodontic advice and treatment. Jenkins PM, et al. **Br J Orthod** 1984 Oct;11(4):185-8

Nailbiting: frequency and association with root resorption during orthodontic treatment. Odenrick L, et al. **Br J Orthod** 1985 Apr;12(2):78-81

Radiographs taken for orthodontic purposes in general practice. Osman F, et al. **Br J Orthod** 1985 Apr;12(2):82-6

Orthodontic treatment of a pseudo-class III malocclusion. A case report. Mamandras AH, et al. **Can Dent Assoc J** 1984 Oct;50(10):779-81

Orthodontic treatment-service studied retrospectively in a group of Danish children aged 15-16 years. Rölling S. **Community Dent Oral Epidemiol** 1984 Dec;12(6):355-7

Orthodontic intervention as an aid in restorative dentistry. Ceen RF, et al. **Dent Clin North Am** 1985 Apr;29(2):279-91

Soft-tissue profile changes concurrent with the orthodontic treatment. Attarzadeh F, et al. **Int J Orthod** 1984 Dec;22(4):4-13

Use of composite resin for restorative and orthodontic correction of anterior interdental spacing. Heymann HO, et al. **J Prosthet Dent** 1985 Jun;53(6):766-71

Measurement of overjet and overbite. Laine T, et al. **Proc Finn Dent Soc** 1984;80(3):121-6

[Preventive orthodontic treatment of open-bite malocclusion] Gao N. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jan;20(1):19-22 (Chi)

[Clinical manifestation and prosthetic treatment of severe, deep overbite and deep overjet in adult patients] Wang YY. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Jun;19(2):73-80 (Chi)

[Orthodontic treatment of anterosuperior bridge?] Limme M. **Rev Belge Med Dent** 1984 Jun-Jul;39(3):83-7 (Eng. Abstr.) (Fre)

[Fundamental appraisal of orthodontic application of computed tomography] Nakamura T. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):118-42 (Eng. Abstr.) (Jpn)

[Relationships between orthodontics and periodontics in the developing child] Davis RK. **Rev Port Estomatol Cir Maxilofac** 1985 Jan-Mar; 26(1):37-53 (Por)

[Team treatment of anomalies of the organs of mastication] Mitrović T, et al. **Vojnosanit Pregl** 1984 Nov-Dec; 41(6):484-7 (Scr)

ADVERSE EFFECTS

Temporomandibular joint dysfunction. Report of a case. Bandeen RL, et al. **Am J Orthod** 1985 Apr;87(4):275-9

INSTRUMENTATION

[The use of extraoral forces in relation to removable appliances in rationally planned orthodontic treatment] Ergenzinger G. **Fortschr Kieferorthop** 1985 Jan;46(1):44-52 (Eng. Abstr.) (Ger)

[A clasp fixed in incisions on the buccal side of deciduous teeth] Michalowska A, et al. **Ann Acad Med Stetin** 1984; 30:273-9 (Eng. Abstr.) (Pol)

METHODS

A new drum [editorial] Thurow RC. **Angle Orthod** 1985 Jan; 55(1):4-5

Long-term observations of an increased occlusal face height obtained by a combined orthodontic/prosthetic approach. Dahl BL, et al. **J Oral Rehabil** 1985 Mar;12(2):173-6

[The impacted canine tooth: elucidation of various important aspects in diagnosis and therapy] De Biscop J, et al. **Acta Stomatol Belg** 1985 Jun;82(2):95-100 (Dut)

[Management of incisor supraclusion] Burgos C. **Rev Stomatol Chir Maxillofac** 1985;86(2):92-4 (Eng. Abstr.) (Fre)

[Value and results of glossectomy in open bite] Deplagne H. **Rev Stomatol Chir Maxillofac** 1985;86(2):95-8 (Eng. Abstr.) (Fre)

[Anterior open bite: the role of the infra-alveolae in its diagnosis and treatment] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 1985;86(2):87-9 (Eng. Abstr.) (Fre)

[Crowding of the lower anterior teeth: treatment with or without extraction?] Dermaut L, et al. **Schweiz Monatsschr Zahnmed** 1985 Jan;95(1):1-13 (Eng. Abstr.) (Fre)

[Support for periodontal treatment of the adult dentition through orthodontic measures] Diedrich P. **Dtsch Zahnarztl Z** 1984 Aug;39(8):570-80 (Eng. Abstr.) (Ger)

[Profile improvement by combined orthodontic and surgical measures] Hörster W, et al. **Fortschr Kieferorthop** 1984 Aug;45(4):324-30 (Eng. Abstr.) (Ger)

[Treatment of unilateral crossbite] Kleinrok M, et al. **Fortschr Kieferorthop** 1985 Jan;46(1):53-60 (Eng. Abstr.) (Ger)

[Multiple extractions of permanent teeth in the orthodontic treatment plan] Subrt I, et al. **Fortschr Kieferorthop** 1985 Jan;46(1):61-5 (Eng. Abstr.) (Ger)

[Correction of the crossbite of single teeth using fixed orthodontic treatment] Cassarino G, et al. **Minerva Stomatol** 1985 May-Jun;34(3):561-2 (Eng. Abstr.) (Ita)

[Orthodontic treatment of C5 subtype anomalies of the basal-distal relationship] da Cruz JP. **Rev Port Estomatol Cir Maxilofac** 1984 Jan-Mar; 25(1):615-30 (Eng. Abstr.) (Por)

PSYCHOLOGY

The emotional impact of orthognathic surgery and conventional orthodontics. Kiyak HA, et al. **Am J Orthod** 1985 Sep;88(3):224-34

Psychosocial factors in orthodontic treatment. Albino JE. **NY State Dent J** 1984 Oct;50(8):486-7, 489

[Treatment motivation of patients in orthodontics with reference to psychosomatic relations] Scholz U. **Fortschr Kieferorthop** 1985 Jan;46(1):27-43 (Eng. Abstr.) (Ger)

ORTHODONTICS, PREVENTIVE

[Positive orthodontic aspects of the wisdom tooth] Freisfeld M. **Fortschr Kieferorthop** 1984 Oct;45(5):390-402 (Eng. Abstr.) (Ger)

[Prophylactic dental prosthesis of children and adolescents] Shamsiev KhN. **Stomatologiia (Mosk)** 1985 Jan-Feb; 64(1):83 (Rus)

ORTHOMOLECULAR THERAPY

Vitamin use and abuse. Jarvis WT. **Bol Asoc Med PR** 1985 Apr;77(4):168-70

Orthomolecular psychiatry/medicine [letter] Hungerford C. **Med J Aust** 1985 Jan 7;142(1):77

Orthomolecular medicine [letter] Lane A. **Med J Aust** 1984 Sep 15;141(6):396-7

ADVERSE EFFECTS

Megavitamins and the hyperactive child. **Nutr Rev** 1985 Apr; 43(4):105-7 (12 ref.)

Nutritional supplementation with megadoses of vitamin B6. Effective therapy, placebo, or potentiator of neuropathy? Podell RN. **Postgrad Med** 1985 Feb 15;77(3):113-6

STANDARDS

Safety of megavitamin therapy. Omaye ST. **Adv Exp Med Biol** 1984;177:169-203 (165 ref.)

ORTHOMYXOVIRIDAE

Type C influenza virus. Dobrotvortseva VG, et al. **Acta Virol (Praha)** 1984 Jul;28(4):334-42

An interferon-induced mouse protein involved in the mechanism of resistance to influenza viruses. Its purification to homogeneity and characterization by polyclonal antibodies. Horisberger MA, et al. **J Biol Chem** 1985 Feb 10;260(3):1730-3

Polyclonal and monoclonal antibodies to the interferon-inducible protein Mx of influenza virus-resistant mice. Staeheli P, et al. **J Biol Chem** 1985 Feb 10; 260(3):1821-5

ANALYSIS

Expression of influenza virus NS2 nonstructural protein in bacteria and localization of NS2 in infected eucaryotic cells. Greenspan D, et al. **J Virol** 1985 Jun;54(3):833-43

CLASSIFICATION

Methods for comparing sequence data such as restriction endonuclease maps or nucleotide sequences of viral nucleic acid molecules. Gibbs A, et al. **J Virol Methods** 1984 Dec; 9(4):317-24

Influenza virus in ruminants: a review. Lopez JW, et al. **Res Commun Chem Pathol Pharmacol** 1984 Sep; 45(3):445-62 (42 ref.)

DRUG EFFECTS

Deproteinization of influenza virus in the presence of rimantadine. Bubovich VI, et al. **Acta Virol (Praha)** 1985 Mar;29(2):104-10

Mode of action of ribavirin: effect of nucleotide pool alterations on influenza virus ribonucleoprotein synthesis. Wray SK, et al. **Antiviral Res** 1985 Feb;5(1):29-37

Effect of ribavirin triphosphate on primer generation and elongation during influenza virus transcription in vitro. Wray SK, et al. **Antiviral Res** 1985 Feb;5(1):39-48

The effect of deoxymannojirimycin on the processing of the influenza viral glycoproteins. Elbein AD, et al. **Arch Biochem Biophys** 1984 Dec;235(2):579-88

Use of zwitterionic detergent for the preparation of an influenza virus vaccine. 1: Preparation and characterization of disrupted virions. Crawford CR, et al. **Vaccine** 1984 Sep; 2(3):193-8

[Suppression of the proteolytic activation of myxoviruses in infected chick embryos by using aprotinin] Zhirnov OP, et al. **Vopr Virusol** 1985 Mar-Apr;30(2):207-14 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Influenza-C-virion-associated RNA-dependent RNA-polymerase activity. Nagele A, et al. **Biosci Rep** 1984 Aug;4(8):703-6

Structure and diversity of influenza virus neuraminidase. Colman PM, et al. **Curr Top Microbiol Immunol** 1985; 114:177-255 (208 ref.)

The receptor-destroying enzyme of influenza C virus is neuraminate-O-acetylesterase. Herrler G, et al. **EMBO J** 1985 Jun;4(6):1503-6

Attempt at use of the fluorometric neuraminidase assay system for the enzyme antibody inhibition test. Kiyotani K, et al. **Hiroshima J Med Sci** 1984 Dec;33(4):825-7

Fluorometric measurement of neuraminidase activity of influenza viruses. Kiyotani K, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):287-92

Why was the 1918 influenza pandemic so lethal? The possible role of a neurovirulent neuraminidase. Maurizi CP. **Med Hypotheses** 1985 Jan;16(1):1-5

[Mechanism of the modifying effect of neuraminidase of the influenza virus on the development of Rauscher leukemia] Novichenko NL, et al. **Eksp Onkol** 1984;6(3):29-32 (Eng. Abstr.) (Rus)

GENETICS

Sequence determination of the Sendai virus HN gene and its comparison to the influenza virus glycoproteins. Blumberg B, et al. **Cell** 1985 May;41(1):269-78

Defective-interfering (DI) RNAs of influenza viruses: origin, structure, expression, and interference. Nayak DP, et al. **Curr Top Microbiol Immunol** 1985;114:103-51 (145 ref.)

The road to interferon: interference by inactivated influenza virus. Henle W, et al. **Interferon** 1984;1:1-22 (98 ref.)

Polypeptide synthesis in MDCK cells infected with human and pig influenza C viruses. Elliott RM, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):1873-80

Genome analysis of influenza C viruses isolated in 1981/82 from pigs in China. Yuanji G, et al. **J Gen Virol** 1984 Nov; 65 (Pt 11):1857-72

Changes in paracellular and cellular ionic permeabilities of monolayers of MDCK cells infected with influenza or vesicular stomatitis viruses. Lopez-Vancell R, et al. **J Membr Biol** 1984;81(3):171-80

Influenza C virus RNA 7 codes for a nonstructural protein. Nakada S, et al. **J Virol** 1985 Oct;56(1):221-6

Complete nucleotide sequence of the influenza C/California/78 virus nucleoprotein gene. Nakada S, et al. **Virus Res** 1984 Sep;1(6):433-41

Structure of the influenza C glycoprotein gene as determined from cloned DNA. Pfeifer JB, et al. **Virus Res** 1984; 1(4):281-96

A specific sub-set of host-cell mRNAs prime influenza virus mRNA synthesis. Shaw MW, et al. **Virus Res** 1984 Sep; 1(6):455-67

[Influenza genome and its expression] Nakajima K, et al. **Seikagaku** 1985 May;57(5):371-87 (72 ref.) (Jpn)

GROWTH & DEVELOPMENT

Comparison of nine strains of influenza C virus in growth characteristics and viral polypeptides. Brief report. Goto H, et al. **Arch Virol** 1984;82(1-2):111-7

Characterization of a porcine kidney cell line resistant to influenza virus infection. Kimura Y, et al. **J Virol** 1985 Mar;53(3):980-3

Hemadsorption focus assay for growth of influenza and parainfluenza viruses in human dermal fibroblasts. Bell DM, et al. **Proc Soc Exp Biol Med** 1985 Jul;179(3):377-81

IMMUNOLOGY

Studies with monoclonal antibodies prepared against X-31 influenza virus haemagglutinin. Skehel JJ, et al. **Biochem Soc Trans** 1985 Feb;13(1):12-4

Defective in vitro antibody production in response to pokeweed mitogen and influenza antigen in patients with Hodgkin's disease. Sigfusson A, et al. **Clin Exp Immunol** 1985 May;60(2):396-402

Antigen-specific suppression of anti-influenza antibody production in man. Possible role of a membrane-antigen complex. McCaughan GW, et al. **Eur J Immunol** 1985 Mar; 15(3):282-90

Prevalence of antibodies in different age groups to pandemic & epidemic strains of influenza virus. Lalitha Rao B. **Indian J Med Res** 1984 Oct;80:390-5

Expression of specific cytolytic activity by H-2I region-restricted, influenza virus-specific T lymphocyte clones. Lukacher AE, et al. **J Exp Med** 1985 Jul 1; 162(1):171-87

Cytotoxic T cell lysis of target cells fused with liposomes containing influenza virus haemagglutinin and neuraminidase. Stitz L, et al. **J Gen Virol** 1985 Jun;66 (Pt 6):1333-9

Mechanisms of neutralization of influenza virus by IgM. Taylor HP, et al. **J Gen Virol** 1985 Apr;66 (Pt 4):903-7

Immunofluorescence test with antigen-loaded erythrocytes: detection of influenza virus specific IgG, IgA, and IgM antibodies. Döller PC, et al. **Med Microbiol Immunol (Berl)** 1985;173(5):291-302

Specificity and cross-reactivity of synthetic peptides derived from a major antigenic site of influenza hemagglutinin. Shapira M, et al. **Mol Immunol** 1985 Jan;22(1):23-8

Specificity of cytotoxic T lymphocytes stimulated with influenza virus. Studies in mice and humans. Townsend AR, et al. **Prog Allergy** 1985;36:10-43 (157 ref.)

Antigenic analyses of influenza virus haemagglutinins with different receptor-binding specificities. Daniels RS, et al. **Virology** 1984 Oct 15;138(1):174-7

Interferon-induced protein Mx accumulates in nuclei of mouse cells expressing resistance to influenza viruses. Dreiding P, et al. **Virology** 1985 Jan 15;140(1):192-6

Rat alpha 1 macroglobulin inhibits hemagglutination by influenza C virus. Herrler G, et al. **Virus Res** 1985 Mar; 2(2):183-92

[Molecular biology of influenza and its significance for the development of new vaccines] Klenk HD, et al. **Internist (Berlin)** 1985 Feb;26(2):94-7 (Ger)

[Molecular aspects of influenza epidemiology] Rott R, et al. **Internist (Berlin)** 1985 Feb;26(2):89-93 (Ger)

[Role of carbohydrate moieties in determining the antigenic properties of influenza C viral glycoproteins] Nakamura K, et al. **Rinsho Byori** 1985 Feb;33(2):122-8 (Jpn)

[Influenza vaccination. Measurement of antibodies in blood samples before and after vaccination] Kolstø AB, et al. **Tidsskr Nor Laegeforen** 1985 Jun 30;105(19-21):1292-4 (Eng. Abstr.) (Nor)

[Detection of influenza virus C antibodies in the gamma globulins and native sera of children] Govorkova EA, et al. **Vopr Virusol** 1984 Jul-Aug;29(4):420-3 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Concentration and purification of influenza virus from allantoic fluid. Arora DJ, et al. **Anal Biochem** 1985 Jan; 144(1):189-92

Distribution of influenza viruses in Northern Greece during 1972-1983. Kyriazopoulou-Dalaina V. **J Hyg (Lond)** 1984 Oct;93(2):263-7

Influenza C virus in the United Kingdom [letter] Pead PJ, et al. **J Infect** 1985 Jan;10(1):78-9

Adsorption of influenza viruses to nitrocellulose membrane filters by filtration and their quantitative densitometric determination. Furuya K, et al. **J Virol Methods** 1984 Nov; 9(3):193-9

[Sedimentation characteristics of the virions and subviral particles of influenza C viruses] Govorkova EA, et al. **Vopr Virusol** 1984 Nov-Dec;29(6):687-91 (Eng. Abstr.) (Rus)

METABOLISM

Neuraminic acid is involved in the binding of influenza C virus to erythrocytes. Herrler G, et al. **Virology** 1985 Feb; 141(1):144-7

Sialic acid is incorporated into influenza hemagglutinin glycoproteins in the absence of viral neuraminidase. Basak S, et al. **Virus Res** 1985 Feb;2(1):61-8

[Enzymatic synthesis of oligonucleotides corresponding to the 3'-terminus of influenza virus RNA] Zhenodarova SM, et al. **Bioorg Khim** 1983 Oct;9(10):1382-7 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Behaviour of influenza virus point-inoculated onto the mucous membrane of the chick tracheal explant. Murakami T, et al. **Br J Exp Pathol** 1985 Apr;66(2):233-41

Permeability changes elicited by influenza and Sendai viruses: separation of fusion and leakage by pH-jump experiments. Patel K, et al. **J Gen Virol** 1985 Apr;66 (Pt 4):767-75

Infectivity assay and neutralization test for influenza viruses in microplate cultures of a swine kidney cell line (SK-K). Yamagishi H, et al. **Kitasato Arch Exp Med** 1984 Apr; 57(1):21-6

[Experimental demonstration of the capacity of the influenza virus persisting in the body to cause a slow infection] Zuev VA, et al. **Vestn Akad Med Nauk SSSR** 1985;(3):26-31 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Studies on the stability of t mutant of influenza virus. Brydak L. **Acta Microbiol Pol** 1985;34(1):39-45

Chemiluminescence in neutrophils and Lettre cells induced by myxoviruses. Mehta S, et al. **Biochem J** 1985 Apr 1; 227(1):99-104

An influenza virus model for Trypanosoma cruzi infection: interactive roles for neuraminidase and lectin. Csete M, et al. **Curr Top Microbiol Immunol** 1985;117:153-65 (43 ref.)

Studies on the adaptation of influenza viruses to MDCK cells. Rott R, et al. **EMBO J** 1984 Dec 20;3(13):3329-32

ULTRASTRUCTURE

Changes in the morphology of influenza particles induced at low pH. Ruigrok RW, et al. **Arch Virol** 1984; 82(3-4):181-94

ORTHOMYXOVIRUS INFECTIONS

DRUG THERAPY

Ribavirin aerosol treatment of influenza B virus infection. McClung HW, et al. **Trans Assoc Am Physicians** 1983; 96:284-93

[Rationale for the use of proteolysis inhibitors as etiopathogenetic agents in respiratory viral infections in children] Buiko VP, et al. **Pediatriia** 1984 Sep;(9):23-6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Metabolism and expression of RNA polymerase II transcripts in influenza virus-infected cells. Katze MG, et al. **Mol Cell Biol** 1984 Oct;4(10):2198-206

[Suppression of the proteolytic activation of myxoviruses in infected chick embryos by using aprotinin] Zhirnov OP, et al. **Vopr Virusol** 1985 Mar-Apr;30(2):207-14 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

In vivo effects of cyclosporine on influenza A virus-infected mice. Schiltknecht E, et al. **Cell Immunol** 1985 Mar; 91(1):227-39

Influenza virus infection in mice after exposure to coal dust and diesel engine emissions. Hahon N, et al. **Environ Res** 1985 Jun;37(1):44-60

Modification of cytotoxic T-cell response patterns by administration of hemagglutinin-specific monoclonal antibodies to mice infected with influenza A viruses. Greenspan N, et al. **Hybridoma** 1982;1(2):149-59

Protection and recovery in influenza virus-infected mice immunosuppressed with anti-IgM. Kris RM, et al. **J Immunol** 1985 Feb;134(2):1230-5

Influenza type A virus infection of mice exposed in utero to chlordane: survival and antibody studies. Menna JH, et al. **Toxicol Lett** 1985 Jan;24(1):45-52

[Non-specific influx of cytotoxic T cells into influenza virus-infected lungs of mice] Zhang YH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Feb; 7(1):37-40 (Eng. Abstr.) **(Chi)**

METABOLISM

Change in intracellular content of adenosine triphosphate of cultured cells infected with influenza virus. Kiyotani K, et al. **Hiroshima J Med Sci** 1984 Sep;33(3):383-7

MICROBIOLOGY

Influenza C virus in the United Kingdom [letter] Pead PJ, et al. **J Infect** 1985 Jan;10(1):78-9

TRANSMISSION

Sporadic occurrence of zoonotic swine influenza virus infections. Dacso CC, et al. **J Clin Microbiol** 1984 Oct; 20(4):833-5

VETERINARY

Vaccination against equine influenza [editorial] **Vet Rec** 1985 Feb 9;116(6):141-2

Disease in turkeys associated with H1N1 influenza virus following an outbreak of the disease in pigs. Andral B, et al. **Vet Rec** 1985 Jun 8;116(23):617-8

Vaccination against equine herpesvirus 1 and equine influenza infection [letter] Witherspoon DM. **Vet Rec** 1984 Oct 6; 115(14):363

[Influenza in swine--distribution and importance] Vagt M, et al. **Berl Munch Tierarztl Wochenschr** 1984 Dec 1; 97(12):442-7 (Eng. Abstr.) **(Ger)**

[Swine influenza-A viruses as progenitors of human influenza] Durišić S, et al. **Med Pregl** 1984;37(11-12):565-8 (Eng. Abstr.) **(Ser)**

ORTHOMYXOVIRUS TYPE A, AVIAN

ANALYSIS

Studies on the development of the charge heterogeneity of the influenza virus glycoproteins. Bosch FX. **Arch Virol** 1985;83(3-4):311-7

The major oligosaccharides in the large subunit of the hemagglutinin from fowl plague virus, strain Dutch. Structure elucidation by one-dimensional and two-dimensional 1H nuclear magnetic resonance and by methylation analysis. Niemann H, et al. **Eur J Biochem** 1985 Feb 1;146(3):523-32

CLASSIFICATION

[In vitro differentiation of pathogenic and nonpathogenic avian influenza viruses] Rott R. **Berl Munch Tierarztl Wochenschr** 1985 Feb 1;98(2):37-9 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Viral neuraminidase and cellular ectosialyltransferase in human lymphoblastoid cells infected with influenza virus. Duc Dodon M, et al. **Biochimie** 1984 Jun;66(6):493-6

Gene and protein sequence of an influenza neuraminidase with hemagglutinin activity. Air GM, et al. **Virology** 1985 Aug;145(1):117-22

Influenza virus neuraminidase with hemagglutinin activity. Laver WG, et al. **Virology** 1984 Sep;137(2):314-23

GENETICS

Inhibition of proteolytic cleavage of the hemagglutinin of influenza virus by the calcium-specific ionophore A23187. Klenk HD, et al. **EMBO J** 1984 Dec 1;3(12):2911-5

A mutant of fowl plague virus (influenza A) with an enhanced electrophoretic mobility of RNA segment 8. Bürger H, et al. **J Gen Virol** 1985 Aug;66 (Pt 8):1679-86

Avian-human reassortant influenza A viruses derived by mating avian and human influenza A viruses. Murphy BR, et al. **J Infect Dis** 1984 Dec;150(6):841-50

Evolution of the A/Chicken/Pennsylvania/83 (H5N2) influenza virus. Kawaoka Y, et al. **Virology** 1985 Oct 15; 146(1):130-7

Correlation between loss of the temperature-sensitive phenotype and pathogenicity of fowl plague virus mutants in the chicken. Scholtissek C, et al. **Virus Res** 1984; 1(2):117-31

Sequence of the nucleoprotein gene of influenza A/parrot/Ulster/73. Steuler H, et al. **Virus Res** 1985 Jul; 3(1):35-40

Genetic characterization of influenza A viruses isolated from birds in Israel. A contribution to the ecology of avian influenza viruses. Lipkind M, et al. **Zentralbl Veterinarmed [B]** 1984 Dec;31(10):721-8

IMMUNOLOGY

Antigenic analysis of H4 influenza virus isolates using monoclonal antibodies to defined antigenic sites on the hemagglutinin of A/Budgerigar/Hokkaido/1/77 strain. Ito T, et al. **Arch Virol** 1985;84(3-4):251-9

An enzyme-linked immunosorbent assay for the detection of antibody against avian influenza virus. Snyder DB, et al. **Avian Dis** 1985 Jan-Mar;29(1):136-44

Dose response of influenza A/Washington/897/80 (H3N2) avian-human reassortant virus in adult volunteers. Murphy BR, et al. **J Infect Dis** 1985 Jul;152(1):225-9

Chemotherapy and vaccination: a possible strategy for the control of highly virulent influenza virus. Webster RG, et al. **J Virol** 1985 Jul;55(1):173-6

ISOLATION & PURIFICATION

Isolation of H5 influenza viruses from whistling swans in western Japan in November 1983. Otsuki K, et al. **Acta Virol (Praha)** 1984 Nov;28(6):524

The isolation of influenza A viruses and paramyxoviruses from feral ducks in New Zealand. Austin FJ, et al. **Aust J Exp Biol Med Sci** 1984 Jun;62 (Pt 3):355-60

[Isolation and characterization of influenza virus type A, in ornamental birds, in Rio de Janeiro] Couceiro JN, et al. **An Microbiol (Rio De J)** 1982;27:159-67 (Eng. Abstr.) **(Por)**

[Influenza A, isolation and characterization of virus isolated from wild birds] Couceiro JN, et al. **An Microbiol (Rio De J)** 1982;27:193-204 (Eng. Abstr.) **(Por)**

PATHOGENICITY

Host range of A/Chicken/Pennsylvania/83 (H5N2) influenza virus. Wood JM, et al. **Avian Dis** 1985 Jan-Mar; 29(1):198-207

Characterization of virulent and avirulent A/chicken/Pennsylvania/83 influenza A viruses: potential role of defective interfering RNAs in nature. Bean WJ, et al. **J Virol** 1985 Apr;53(4):151-60

Is virulence of H5N2 influenza viruses in chickens associated with loss of carbohydrate from the hemagglutinin? Kawaoka Y, et al. **Virology** 1984 Dec;139(2):303-16

[Significance of hemagglutinins for the pathogenicity of avian influenza viruses] Rott R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Dec; 258(2-3):337-49 (21 ref.) (Eng. Abstr.) **(Ger)**

[Avian influenza viruses] Kida H. **Uirusu** 1984 Dec; 34(2):109-19 (110 ref.) **(Jpn)**

[Tissue reaction and influenza virus infectiousness during multiplication in tissue culture in the presence of remantadine] Votiakov VI, et al. **Vopr Virusol** 1984 Jul-Aug;29(4):468-73 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Further studies on the role of neuraminidase and the mechanism of low pH dependence in influenza virus-induced membrane fusion. Huang RT, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):295-301

Biological characterization of FPV, Ulster 73, replicative cycle. Conti G, et al. **Microbiologica** 1985 Apr;8(2):151-64

ORTHOMYXOVIRUS TYPE A, HUMAN

Detection of type A and B influenza viruses in clinical materials by immunoelectronmicroscopy. Ptáková M, et al. **Acta Virol (Praha)** 1985 Jan;29(1):19-24

The demonstration of the influenza virus by the method of the immune electron microscopy. Ptáková M, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(2):177-83

Live attenuated influenza A virus vaccines in children: results of a field trial. Belshe RB, et al. **J Infect Dis** 1984 Dec; 150(6):834-40

Changes in light scattering, absorption, fluorescence and biological characteristics of influenza virus A(H1N1) exposed to sonication. Zaharia CN, et al. **Virologie** 1984 Jul-Sep;35(3):193-206

ANALYSIS

Isolation and studies of myxovirus glycoproteins. Berezin VA, et al. **Arch Virol** 1985;85(3-4):281-300

Isolation of influenza viral proteins by size-exclusion and ion-exchange high-performance liquid chromatography: the influence of conditions on separation. Calam DH, et al. **J Chromatogr** 1984 Jul 27;296:285-92

Matrix proteins of influenza A and B viruses possess common antigenic determinants [letter] Bukrinskaya AG, et al. **Lancet** 1985 Feb 2;1(8423):276-7

[Differentiation of influenza virus proteins by enzyme immunoassay] Herrmann H, et al. **Arch Exp Veterinarmed** 1985 Jan;39(1):42-9 (Eng. Abstr.) **(Ger)**

[Preparative method of isolating influenza virus glycoproteins] Medvedev SA, et al. **Bioorg Khim** 1985 Feb; 11(2):248-53 (Eng. Abstr.) **(Rus)**

[Physicochemical properties of the RNA and proteins of an influenza virus H1N3 isolated from an ill child and antigenically analogous to A/whale/TO/19/76] Vladimirtseva EA, et al. **Vopr Virusol** 1985 Mar-Apr; 30(2):163-6 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Principles of rational classification and nomenclature of human influenza A viruses. Smorodintsev AA, et al. **Boll Ist Sieroter Milan** 1982;61(3):202-9

[Peptide mapping of the major proteins in 2 strains of influenza virus] Savich IM, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):27-32 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Influence of organic solvents and pH on some characteristics of influenza virus A(H1N1). Note 1. Influence of organic solvents on the spectral characteristics of fluorescein isothiocyanate-conjugated influenza virus A(H1N1) Zaharia CN, et al. **Virologie** 1985 Apr-Jun;36(2):129-37

[Sensitivity to remantadine and ribavirin of influenza A virus resistant to 2-(1'-aminoethyl)-bicyclo(2.2.1)heptane hydrochloride] Gribkova NV, et al. **Vopr Virusol** 1984 Sep-Oct;29(5):619-21 **(Rus)**

[Characteristics of the glycoproteins of vaccinal strains of the influenza viruses solubilized by octyl-beta-D-glucopyranoside] Mel'nikov SK, et al. **Vopr Virusol** 1985 Mar-Apr;30(2):153-8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Neuraminidase activity is not the cause of influenza virus-induced neutrophil dysfunction. Abramson JS, et al. **J Clin Microbiol** 1985 Jul;22(1):129-31

The complete nucleotide sequence of the influenza virus neuraminidase gene of A/NJ/8/76 strain and its evolution by segmental duplication and deletion. Miki T, et al. **Mol Biol Med** 1983 Nov;1(4):401-13

Location of antigenic sites on the three-dimensional structure of the influenza N2 virus neuraminidase. Air GM, et al. **Virology** 1985 Sep;145(2):237-48

[Purification of neuraminidase from influenza virus on an immunosorbent] Iakubov LA, et al. **Biokhimiia** 1984 Oct; 49(10):1588-93 **(Rus)**

GENETICS

Genome analysis of epidemic influenza virus strains isolated in 1979-1983. Klimov AI, et al. **Acta Virol (Praha)** 1984 Nov;28(6):479-86

Ts mutations in the genome of cold-adapted variants of human influenza virus A/Krasnodar/101/59 (H2N2) at different passage levels and their reproduction in lungs of hamsters. Panzig B, et al. **Acta Virol (Praha)** 1984 Sep; 28(5):369-79

Heterogeneity among influenza H3N2 isolates recovered during an outbreak. Brief report. López-Galindez C, et al. **Arch Virol** 1985;85(1-2):139-44

Host-mediated selection of influenza virus receptor variants. Sialic acid-alpha 2,6Gal-specific clones of A/duck/Ukraine/1/63 revert to sialic acid-alpha 2,3Gal-specific wild type in ovo. Rogers GN, et al. **J Biol Chem** 1985 Jun 25;260(12):7362-7

Comparative studies of A/Leningrad/134/57 wild-type and 47-times passaged cold-adapted mutant influenza viruses: oligonucleotide mapping and RNA-RNA hybridization studies. Cox NJ, et al. **J Gen Virol** 1985 Aug;66 (Pt 8):1697-704

Comparative electrophoretic study of polypeptides of influenza A/H3N2 viruses isolated in circumscribed geographical areas. Donatelli I, et al. **J Gen Virol** 1985 Mar;66 (Pt 3):637-41

Physiological characterization of influenza virus temperature-sensitive mutants defective in the haemagglutinin gene. Ueda M, et al. **J Gen Virol** 1984 Nov; 65 (Pt 11):1889-97

Avian-human reassortant influenza A viruses derived by mating avian and human influenza A viruses. Murphy BR, et al. **J Infect Dis** 1984 Dec;150(6):841-50

Genetic relatedness between A/Swine/Iowa/15/30(H1N1) and human influenza viruses. Nakajima K, et al. **Virology** 1984 Nov;139(1):194-8

[Synthesis, cloning and determination of the primary structure of a full-size DNA copy of the neuraminidase gene from influenza virus type A subtype H1N1] Beklemishev AB, et al. **Bioorg Khim** 1985 May;11(5):628-35 (Eng. Abstr.) **(Rus)**

[Synthesis, cloning and determination of the primary structure of a full-size DNA copy of the NP protein gene from influenza virus type A] Beklemishev AB, et al. **Bioorg Khim** 1985 May;11(5):636-40 (Eng. Abstr.) **(Rus)**

[Synthesis, cloning and determination of the primary structure of a full-size DNA copy of fragment 8 from the influenza virus type A genome] Beklemishev AB, et al. **Bioorg Khim** 1985 May;11(5):641-5 (Eng. Abstr.) **(Rus)**

[Nucleotide sequence of the hemagglutinin gene of the influenza virus A/Udorn/307/72 (H3N2)] Iuferov VP, et al. **Dokl Akad Nauk SSSR** 1984;278(3):738-42 **(Rus)**

[Changes in the genetic properties of a viral population and the selection of ts-mutants in persistent influenza virus infection] Medvedeva MN, et al. **Vopr Virusol** 1984 Nov-Dec;29(6):675-9 (Eng. Abstr.) **(Rus)**

[Persistent influenza virus infection. Molecular genetic characteristics of ts mutants selected during persistence] Medvedeva MN, et al. **Vopr Virusol** 1985 Jan-Feb; 30(1):46-50 (Eng. Abstr.) **(Rus)**

[Genetic variability of the human influenza virus during adaptation in mice] Shilov AA, et al. **Vopr Virusol** 1984 Jul-Aug;29(4):410-7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The intestine of ferret—a possible site of influenza virus replication. Glathe H, et al. **Acta Virol (Praha)** 1984 Jul; 28(4):287-93

IMMUNOLOGY

Detection of influenza virus by means of immune sera to M and RNP inner proteins in solid phase radioimmunoassay. Trushinskaya GN, et al. **Acta Virol (Praha)** 1984 Nov;28(6):487-94

Biogenesis of epithelial cell polarity: intracellular sorting and vectorial exocytosis of an apical plasma membrane glycoprotein. Misek DE, et al. **Cell** 1984 Dec;39(3 Pt 2):537-46

Cytotoxic T cell recognition of the influenza nucleoprotein and hemagglutinin expressed in transfected mouse L cells. Townsend AR, et al. **Cell** 1984 Nov;39(1):13-25

The effect of age on the antigen-presenting mechanism in limiting dilution precursor cell frequency analysis. Effros RB, et al. **Cell Immunol** 1984 Oct 15;88(2):531-9

Influenza virus-specific human cytotoxic T cell clones: heterogeneity in antigenic specificity and restriction by class II MHC products. Kaplan DR, et al. **Cell Immunol** 1984 Oct 1;88(1):193-206

Macrophage procoagulant-inducing activity of influenza-specific effector T cells. Schiltknecht E, et al. **Cell Immunol** 1984 Dec;89(2):342-54

Antigenic variation of influenza A (H3N2) virus in relation to influenza epidemics in Shanghai (1968-1977). Shen FZ, et al. **Chin Med J [Engl]** 1985 Feb;98(2):83-8

Monoclonal antibodies for the control of influenza virusvaccines. van de Donk HJ, et al. **Dev Biol Stand** 1984; 57:251-5

T cell-replacing factor in specific antibody responses to influenza virus by human blood B cells. Callard RE, et al. **Eur J Immunol** 1985 Jan;15(1):52-9

HLA class II restriction governing cell cooperation between antigen-specific helper T lymphocytes, B lymphocytes and monocytes for in vitro antibody production to influenza virus. Fischer A, et al. **Eur J Immunol** 1985 Jun;15(6):620-6

The use of ultrathin cryosections for localisation of influenza virus antigens in infected vero cell cultures. Beesley JE, et al. **Histochemistry** 1984;80(5):497-501

Homozygous typing cell-defined HLA-Dw specificities correlate better than serologically defined HLA-DR specificities with restriction elements for influenza virus-specific proliferative human T lymphocyte clones. Fleischer B, et al. **Hum Immunol** 1985 Sep;14(1):37-47

Restriction analysis of influenza-specific cloned cell lines issued from an HLA-DRw6/DR- donor. Sterkers G, et al. **Immunogenetics** 1984;20(6):693-7

A novel approach for localization of the continuous protein antigenic sites by comprehensive synthetic surface scanning: antibody and T-cell activity to several influenza hemagglutinin synthetic sites. Atassi MZ, et al. **Immunol Commun** 1984;13(6):539-51

Development of subtype-specific and heterosubtypic antibodies to the influenza A virus hemagglutinin after primary infection in children. Burlington DB, et al. **J Clin Microbiol** 1985 May;21(5):847-9

Response of seronegative and seropositive adult volunteers to live attenuated cold-adapted reassortant influenza A virus vaccine. Clements ML, et al. **J Clin Microbiol** 1985 Jun;21(6):997-9

Severity of fever in influenza: studies on the relation between viral surface antigens, pyrexia, level of nasal virus and inflammatory response in the ferret. Coates DM, et al. **J Gen Virol** 1985 Jul;66 (Pt 7):1627-31

Antigenic determinants of influenza virus haemagglutinin. X. A comparison of the physical and antigenic properties of monomeric and trimeric forms. Nestorowicz A, et al. **J Gen Virol** 1985 Aug;66 (Pt 8):1687-95

Antigenic heterogeneity among influenza A(H3N2) field isolates during an outbreak in 1982/83, estimated by methods of numerical taxonomy. Beyer WE, et al. **J Hyg (Lond)** 1985 Feb;94(1):97-109

Interpretation of responses and protective levels of antibody against attenuated influenza A viruses using single radial haemolysis. Al-Khayatt R, et al. **J Hyg (Lond)** 1984 Oct; 93(2):301-12

Prevalence of antibody against influenza A viruses in the Kren-Akorore, an Indian tribe of Central Brazil, first contacted in 1973. Nascimento JP, et al. **J Hyg (Lond)** 1985 Aug;95(1):159-64

Morphology and antigenicity studies on reassortant influenza (H3N2) viruses for use in inactivated vaccines. Pemberton RM, et al. **J Hyg (Lond)** 1985 Apr;94(2):229-39

Recognition of viral antigens by human influenza A virus-specific T lymphocyte clones. Fleischer B, et al. **J Immunol** 1985 Oct;135(4):2800-4

A synthetic decapeptide of influenza virus hemagglutinin elicits helper T cells with the same fine recognition specificities as occur in response to whole virus. Hackett CJ, et al. **J Immunol** 1985 Aug;135(2):1391-4

Influenza-specific suppression: contribution of major viral proteins to the generation and function of T suppressor cells. Hurwitz JL, et al. **J Immunol** 1985 Sep;135(3):2134-9

Characterization of the murine TH response to influenza virus hemagglutinin: evidence for three major specificities. Hurwitz JL, et al. **J Immunol** 1984 Dec;133(6):3371-7

Recognition of influenza virus hemagglutinin by subtype-specific and cross-reactive proliferative T cells: contribution of HA1 and HA2 polypeptide chains. Katz JM, et al. **J Immunol** 1985 Jan;134(1):616-22

Influenza viruses as lymphocyte mitogens. I. B cell mitogenesis by influenza A viruses of the H2 and H6 subtypes is controlled by the I-E/C subregion of the major histocompatibility complex. Scalzo AA, et al. **J Immunol** 1985 Feb;134(2):757-60

Induction of antibody responses to influenza virus in human lymphocyte cultures. I. Role of interleukin 2. Tan PL, et al. **J Immunol** 1985 Sep;135(3):2128-33

Human peripheral blood mononuclear cells produce IgA anti-influenza virus antibody in a secondary in vitro antibody response. Yarchoan R, et al. **J Immunol** 1985 Aug; 135(2):1033-9

Resistance to challenge with influenza A/Hong Kong/123/77 (H1N1) wild-type virus induced by live attenuated A/Hong Kong/123/77 (H1N1) cold-adapted reassortant virus [letter] Betts RF, et al. **J Infect Dis** 1985 Apr;151(4):744-5

Dose response of influenza A/Washington/897/80 (H3N2) avian-human reassortant virus in adult volunteers. Murphy BR, et al. **J Infect Dis** 1985 Jul;152(1):225-9

Expression of viral antigens after infection of human lymphocytes, monocytes, and macrophages with influenza virus. Roberts NJ Jr, et al. **J Infect Dis** 1985 Feb; 151(2):308-13

Cross-subtype protection in humans during sequential, overlapping, and/or concurrent epidemics caused by H3N2 and H1N1 influenza viruses. Sonoguchi T, et al. **J Infect Dis** 1985 Jan;151(1):81-8

The more things change ... Spriggs DR. **J Infect Dis** 1985 Apr;151(4):753-5

Immune response of adults to sequential influenza vaccination. Powers RD, et al. **J Med Virol** 1984; 14(2):169-75

In vitro enhancement of human natural cell-mediated cytotoxicity by purified influenza virus glycoproteins. Arora DJ, et al. **J Virol** 1984 Dec;52(3):839-45

Sensitization of mice with wild-type and cold-adapted influenza virus variants: immune response to two H1N1 and H3N2 viruses. Tao SJ, et al. **J Virol** 1985 Feb; 53(2):645-50

Analysis of antigenic relationships among influenza virus strains using a taxonomic cluster procedure. Comparison of three kinds of antibody preparations. Weijers TF, et al. **J Virol Methods** 1985 Mar;10(3):241-50

Hybridoma antibodies produced against bromelain derived cores of influenza virus. Lecomte J. **Microbiol Immunol** 1985;29(3):251-63

Recombinant vaccinia virus primes and stimulates influenza haemagglutinin-specific cytotoxic T cells. Bennink JR, et al. **Nature** 1984 Oct 11-17;311(5986):578-9

Three-dimensional structure of an antigenic mutant of the influenza virus haemagglutinin. Knossow M, et al. **Nature** 1984 Oct 18-24;311(5987):678-80

Antigenic determinants of influenza virus hemagglutinin. XI. Conformational changes detected by monoclonal antibodies. Jackson DC, et al. **Virology** 1985 Aug; 145(1):72-83

Characterization of H2 influenza virus hemagglutinin with monoclonal antibodies: influence of receptor specificity. Yamada A, et al. **Virology** 1984 Oct 30;138(2):276-86

[Antigenic drift of the influenza A-HI-NI virus: the current India 1980 variant is active in the Netherlands as well] Beyer WE, et al. **Ned Tijdschr Geneeskd** 1984 Jul 21; 128(29):1369-72 (Eng. Abstr.) **(Dut)**

[Monitoring of influenza in Belgium, 1982-1983, 1983-1984] Mombaerts-Servais M, et al. **Arch Belg** 1985;43(1-2):65-80 (Eng. Abstr.) **(Fre)**

[Survey on the possession of HI antibody against influenza virus in the aged and on the production of HI antibody after vaccination] Takahashi M, et al. **Kansenshogaku Zasshi** 1984 Nov;58(11):1177-86 (Eng. Abstr.) **(Jpn)**

[Heterogeneity of carbohydrate fragments in heavy and light chains of influenza virus A/Leningrad/385/80 (H3N2) hemagglutinin] Arbatskii NP, et al. **Bioorg Khim** 1985 Jun; 11(6):837-44 (Eng. Abstr.) **(Rus)**

[Nonspecificity of the phenomenon of influenza virus phagocytosis by murine macrophages] Berdinskikh MS, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):55-7 (Eng. Abstr.) **(Rus)**

[Enhancement of the immune response to surface antigens of the influenza B virus as a result of their covalent binding with a synthetic polymer carrier] Petrov RV, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):184-6 (Eng. Abstr.) **(Rus)**

[Vaccinating effect of conjugates of influenza virus surface antigens with a synthetic polymer carrier] Petrov RV, et al. **Dokl Akad Nauk SSSR** 1984;277(3):752-5 **(Rus)**

[Immunoenzyme analysis. Quantitative determination of antibodies to the influenza virus] Babikova NV, et al. **Vopr Med Khim** 1984 Jul-Aug;30(4):17-20 (Eng. Abstr.) **(Rus)**

[Heterogeneity of monospecific antibodies to the hemagglutinin of influenza virus H3N2 studied by radioimmunological analysis] Blokha VV, et al. **Vopr Virusol** 1984 Nov-Dec;29(6):672-5 (Eng. Abstr.) **(Rus)**

[Radioimmunological study of the antigenic conformity of the hemagglutinins of vaccinal and epidemic strains of influenza virus] Blokha VV, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):24-7 (Eng. Abstr.) **(Rus)**

[Method for the cross protection of mice in studying the antigenic variability of the influenza virus] Briantseva EA, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):32-5 (Eng. Abstr.) **(Rus)**

[Antigenic properties of the M1 proteins of influenza type B viruses and the detection of a common antigenic determinant of the M1 proteins of type A and B viruses] Bukrinskaia AG, et al. **Vopr Virusol** 1984 Nov-Dec; 29(6):679-82 (Eng. Abstr.) **(Rus)**

[Antigenic and biochemical analysis of the proteins of influenza virus A/USSR/Alma-Ata/13/81 with hemagglutinin H1] Chuvakova ZK, et al. **Vopr Virusol** 1984 Nov-Dec;29(6):667-72 (Eng. Abstr.) **(Rus)**

[Detection of influenza virus A antigens by radioimmunological methods in patients' nasopharyngeal washings] Demidova SA, et al. **Vopr Virusol** 1984 Jul-Aug; 29(4):427-31 (Eng. Abstr.) **(Rus)**

[Immunosuppressive properties of the influenza virus] Frolov AF, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):50-3 (Eng. Abstr.) **(Rus)**

[Origin of pandemic strains of the influenza virus] Golubev DB. **Vopr Virusol** 1984 Nov-Dec;29(6):762-6 (48 ref.) **(Rus)**

[Immunological analysis of the chronological sequence of the shift in the antigenic determinants of influenza virus A (H1N1) hemagglutinins] Isaeva EI, et al. **Vopr Virusol** 1984 Jul-Aug;29(4):423-7 (Eng. Abstr.) **(Rus)**

[Monoreceptor antibodies to the hemagglutinin antigenic determinants of influenza viruses H2N2 and their virus-neutralizing activity] Ismallova IM, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):115-9 **(Rus)**

[Hybridomas producing monoclonal antibodies to influenza viruses] Kushch AA, et al. **Vopr Virusol** 1985 Jan-Feb; 30(1):22-4 (Eng. Abstr.) **(Rus)**

[Formation and protective functions of antibodies to neuraminidase of the influenza A virus] Naĭkhin AN, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):35-9 (Eng. Abstr.) **(Rus)**

[Antigenic properties of variants of the influenza virus H7N7 and its recombinants] Podcherniaeva RIa, et al. **Vopr Virusol** 1985 Mar-Apr;30(2):144-9 (Eng. Abstr.) **(Rus)**

[Erythrocyte antibody diagnostic agents for determining the type and subtype of influenza viruses] Saiatov MKh, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):39-43 (Eng. Abstr.) **(Rus)**

[Sorption and antigenic properties of influenza virus hemagglutinin] Siniakov MS, et al. **Vopr Virusol** 1985 Mar-Apr;30(2):223-5 **(Rus)**

[Antigenic anachronism of influenza viruses A(H2N2) in Leningrad in 1980. II. The laboratory characteristics of influenza A/Leningrad/80 viruses] Golubev DB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Nov;(11):50-6 (Eng. Abstr.) **(Rus)**

[Antigenic anachronism of the influenza A(H2N2) viruses in Leningrad in 1980. I. The epidemiological and serological characteristics of the influenzal infection caused by A/Leningrad/80 (H2N2) viruses] Karpukhin GI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Aug;(8):105-10 (Eng. Abstr.) **(Rus)**

[Analysis of the antigenic and immunogenic properties of protein M of the influenza virus by an immunoenzyme method] Liozner AL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Mar;(3):91-6 (Eng. Abstr.) **(Rus)**

[Use of an immunofluorescence micromethod for determining the antigens of the influenza and tick-borne encephalitis viruses] Vaserin IuI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jan;(1):77-81 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

An outbreak of influenza a in the highlands of Papua New Guinea. Canil KA, et al. **Southeast Asian J Trop Med Public Health** 1984 Jun; 15(2):265-9

[Isolation and biological characterization of reduced-virulence mutants of influenza virus A/Krasnodar/101/59 (H2N2)] Panzig B, et al. **Arch Exp Veterinarmed** 1985 Jan;39(1):50-7 (Eng. Abstr.) **(Ger)**

[Identification of influenza virus type A by solid-phase radioimmunological analysis] Ignat'eva TV, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):53-7 (Eng. Abstr.) **(Rus)**

[Functional and antigenic activity of the supercapsid proteins of influenza A and B viruses isolated by a combination of enzyme and electrophoretic methods] Liubovtseva OV, et al. **Vopr Virusol** 1984 Sep-Oct;29(5):625-8 **(Rus)**

[Use of immunoenzyme analysis for the detection and differentiation of influenza viruses A, B and C] Shenderovich SF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jan;(1):85-90 (Eng. Abstr.) **(Rus)**

METABOLISM

Characterization of the effect of rimantadine on intracellular distribution and transport into the nuclei of infected cells of the parent influenza virus genome. Kozeletskaya KN, et al. **Acta Virol (Praha)** 1984 Nov;28(6):464-72

Receptor binding characteristics of strains of the influenza Hong Kong subtype, using a periodate sensitivity test. Underwood PA. **Arch Virol** 1985;84(1-2):53-61

Fusion of influenza virus membranes with liposomes at pH 7.5. Haywood AM, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4611-5

PATHOGENICITY

Comparison of infection rats and severity of illness for influenza A subtypes H1N1 and H3N2. Frank AL, et al. **J Infect Dis** 1985 Jan;151(1):73-80

[Effect of the host's body genotype and phenotype on the manifestation of the pathogenic properties of the influenza virus] Semenkov VF, et al. **Vopr Virusol** 1985 Mar-Apr; 30(2):159-63 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Recent H1N1 viruses (A/USSR/90/77, A/Fiji/15899/83, A/Firenze/13/83) replicate poorly in ferret bronchial epithelium. Brief report. Sweet C, et al. **Arch Virol** 1985; 85(3-4):305-11

Kinetics of pH-dependent fusion between influenza virus and liposomes. Stegmann T, et al. **Biochemistry** 1985 Jun 18; 24(13):3107-13

Influenza A virus enhances the human polymorphonuclear leukocyte chemoluminescence response without effecting inhibition by trifluoperazine. Peterson MW, et al. **J Allergy Clin Immunol** 1984 Dec;74(6):787-93

[Matrix protein of the influenza virus: properties, functions and role in the diagnosis of influenza] Bukrinskaia AG. **Vopr Virusol** 1985 Jan-Feb;30(1):16-21 (61 ref.) **(Rus)**

ORTHOMYXOVIRUS TYPE A, PORCINE see under **ORTHOMYXOVIRUSES TYPE A**

ORTHOMYXOVIRUSES TYPE A

[Immunoprecipitation, with an antiserum to ovalbumin, of protein NP from influenza A virus and of glycoprotein C from the herpes simplex type I virus] Filatov FP, et al. **Vopr Virusol** 1985 Jan-Feb;30(1):80-6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Antigenic and biochemical analysis of influenza 'A' H3N2 viruses isolated from pigs. Mancini G, et al. **Arch Virol** 1985;83(3-4):157-67

Antigenic and amino acid sequence analyses of influenza viruses of the H1N1 subtype isolated between 1982 and 1984. Daniels RS, et al. **Bull WHO** 1985;63(2):273-7

Phosphopeptide fingerprints of nucleoproteins of various influenza A virus strains grown in different host cells. Kistner O, et al. **J Gen Virol** 1985 Mar;66 (Pt 3):465-72

Natural heterogeneity of shape, infectivity and protein composition in an influenza A (H3N2) virus preparation. Ruigrok RW, et al. **Virus Res** 1985 Jul;3(1):69-76

[Silver nitrate staining of influenza virus RNA in polyacrylamide gel] Tian SF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1985 Feb; 7(1):61-3 (Eng. Abstr.) **(Chi)**

[Physicochemical properties of the RNA and proteins of an influenza virus H1N3 isolated from an ill child and antigenically analogous to A/whale/TO/19/76] Vladimirtseva EA, et al. **Vopr Virusol** 1985 Mar-Apr; 30(2):163-6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Interaction of influenza and parainfluenza viruses with polycations, organic oligocations and chromosome preparations. Antohi S, et al. **Acta Virol (Praha)** 1984 Sep; 28(5):362-8

Thio-analogues of inorganic pyrophosphate inhibit the replication of influenza virus A in vitro. Hutchinson DW, et al. **Antiviral Res** 1985 Apr;5(2):67-73

Anti-influenza A activity of some N-substituted bicyclo[3.2.1]octane-3-spiro-3'-pyrrolidine hydrochlorides: synthesis and structure. de la Cuesta E, et al. **J Pharm Sci** 1984 Sep;73(9):1307-9

Capped mRNAs may stimulate the influenza virion polymerase by allosteric modulation. Penn CR, et al. **Virus Res** 1984 Jan;1(1):1-13

[Antiviral compounds. XIV. Activities of alkoxy-acetophenones and -benzalacetones N-substituted amidinohydrazones] Toku H, et al. **Yakugaku Zasshi** 1984 Aug;104(8):903-8 (Eng. Abstr.) **(Jpn)**

[Influenza virus replication in the presence of bonafton and other inhibitors of macromolecular synthesis] Farashian VR, et al. **Vopr Virusol** 1985 Mar-Apr;30(2):174-80 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Action of influenza virus neuraminidase on gangliosides. Haemagglutinin inhibits viral neuraminidase. Slepushkin VA, et al. **FEBS Lett** 1985 Mar 25;182(2):273-7

Activation of influenza virus-associated RNA polymerase by cap-1 structure (m7GpppNm). Kawakami K, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):655-61

Gene and protein sequence of an influenza neuraminidase with hemagglutinin activity. Air GM, et al. **Virology** 1985 Aug;145(1):117-22

GENETICS

The genetic dissection of viral virulence. Kilbourne ED. **Ann NY Acad Sci** 1984;435:32-8

Identification of the sequence responsible for the nuclear accumulation of the influenza virus nucleoprotein in Xenopus oocytes. Davey J, et al. **Cell** 1985 Mar; 40(3):667-75

Host-mediated selection of influenza virus receptor variants. Sialic acid-alpha 2,6Gal-specific clones of A/duck/Ukraine/1/63 revert to sialic acid-alpha 2,3Gal-specific wild type in ovo. Rogers GN, et al. **J Biol Chem** 1985 Jun 25;260(12):7362-7

Amino acid sequences of haemagglutinins of influenza viruses of the H3 subtype isolated from horses. Daniels RS, et al. **J Gen Virol** 1985 Mar;66 (Pt 3):457-64

Inhibition of influenza viral mRNA synthesis in cells expressing the interferon-induced Mx gene product. Krug RM, et al. **J Virol** 1985 Oct;56(1):201-6

Nucleoprotein and membrane protein genes are associated with restriction of replication of influenza A/Mallard/NY/78 virus and its reassortants in squirrel monkey respiratory tract. Tian SF, et al. **J Virol** 1985 Mar; 53(3):771-5

Genomic analyses of influenza A (H3 N2) viruses from Japan and Thailand, in the period of 1979 to 1981. Nakajima S, et al. **Nippon Ika Daigaku Zasshi** 1984 Aug;51(4):520-3

Expression of a functional influenza viral cap-recognizing protein by using a bovine papilloma virus vector. Braam-Markson J, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4326-30

Characterization of the genotype and level of attenuation of an influenza A reassortant virus produced by mating the Xia-ts donor virus with A/Beijing/70 (H1N1) wild type virus. Tian SF, et al. **Vaccine** 1984 Sep;2(3):189-92

Biological properties of a hemagglutinin mutant of influenza virus selected by host cells. Crecelius DM, et al. **Virology** 1984 Nov;139(1):164-77

Persistent infection with influenza A virus: evolution of virus mutants. Frielle DW, et al. **Virology** 1984 Oct 15; 138(1):103-17

Genetic relatedness between A/Swine/Iowa/15/30(H1N1) and human influenza viruses. Nakajima K, et al. **Virology** 1984 Nov;139(1):194-8

[Synthesis of a full-length DNA copy of the hemagglutinin gene of the the influenza virus A H1N1 subtype, its cloning and primary structure] Beklemishev AB, et al. **Bioorg Khim** 1984 Nov;10(11):1535-43 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Electron microscopy of equine respiratory viruses in organ cultures of equine fetal respiratory tract epithelium. O'Niell FD, et al. **Am J Vet Res** 1984 Oct;45(10):1953-60

Growth kinetics of equine respiratory tract viruses in cell and organ cultures. O'Niell FD, et al. **Am J Vet Res** 1984 Oct;45(10):1961-6

Dynamics of viral growth, viral enzymatic activity, and antigenicity in murine lungs during the course of influenza pneumonia. Astry CL, et al. **J Med Virol** 1984;14(2):81-90

IMMUNOLOGY

Influenza virus hemagglutinin-binding T cells in delayed hypersensitivity induced in mice. Ochalek T, et al. **Acta Microbiol Pol** 1985;34(2):155-8

Antibodies to new variants of subtype A(H3 N2) influenza virus in pigs. Tumova B, et al. **Acta Virol (Praha)** 1985 Mar;29(2):150-3

Role of serum in stimulation of polymorphonuclear leukocyte, luminol-dependent chemiluminescence by influenza A. Shult PA, et al. **Am Rev Respir Dis** 1985 Feb; 131(2):267-72

Is bivalent binding of monoclonal antibodies to different antigenic areas on the hemagglutinin of influenza virus required for neutralization of viral infectivity? Yoden S, et al. **Arch Virol** 1985;85(3-4):209-16

Antigenic comparisons of swine-influenza-like H1N1 isolates from pigs, birds and humans: an international collaborative study. Hinshaw VS, et al. **Bull WHO** 1984;62(6):871-8

The use of monoclonal antibodies for the antigenic analysis of influenza A viruses. Pereira MS, et al. **Bull WHO** 1985; 63(2):265-71

Cytotoxic T cells recognize fragments of the influenza nucleoprotein. Townsend AR, et al. **Cell** 1985 Sep; 42(2):457-67

Fine specificity analysis of human influenza-specific cloned cell lines. Sterkers G, et al. **Cell Immunol** 1985 Sep; 94(2):394-405

Comparison of monoclonal antibodies with ferret sera for the characterization of influenza A (H3N2) virus strains in a computer system. Osterhaus AD, et al. **Dev Biol Stand** 1984;57:245-50

Association between rise in antibodies and increase in airway sensitivity after intramuscular injection of killed influenza virus in asthmatic patients. Banks J, et al. **Eur J Respir Dis** 1985 Apr;66(4):268-72

Modification of cytotoxic T-cell response patterns by administration of hemagglutinin-specific monoclonal antibodies to mice infected with influenza A viruses. Greenspan N, et al. **Hybridoma** 1982;1(2):149-59

The acquisition of anti-influenza virus activity by macrophages. Mak NK, et al. **Immunobiology** 1984 May; 166(4-5):458-72

Influenza virus hemagglutinin-specific cytotoxic T cell response induced by polypeptide produced in Escherichia coli. Yamada A, et al. **J Exp Med** 1985 Aug 1;162(2):663-74

Induction of influenza A virus cross-reactive cytotoxic T cells by a nucleoprotein/haemagglutinin preparation. Wraith DC, et al. **J Gen Virol** 1985 Jun;66 (Pt 6):1327-31

Development of an enzyme-linked immunosorbent assay (ELISA) for the detection of specific antibodies against an H7N7 and an H3N8 equine influenza virus. Denyer MS, et al. **J Hyg (Lond)** 1984 Dec;93(3):609-20

Murine TH response to influenza virus: recognition of hemagglutinin, neuraminidase, matrix, and nucleoproteins. Hurwitz JL, et al. **J Immunol** 1985 Mar;134(3):1994-8

B cell repertoire diversity to PR8 influenza virus does not decrease with age. Zharhary D, et al. **J Immunol** 1984 Nov; 133(5):2285-7

Blocking of influenza virus-induced cell-mediated cytotoxicity by hemagglutinin-specific monoclonal antibody. Justewicz DM, et al. **J Infect Dis** 1984 Sep; 150(3):348–57

Influenza surveillance at Siriraj Hospital: 1979–1983. Puthavathana P, et al. **J Med Assoc Thai** 1985 Apr; 68(4):167–73

Local and peripheral cell-mediated immune response to influenza virus in mice. Shapira-Nahor O, et al. **J Med Virol** 1985 Jan;15(1):81–91

Monoclonal antibodies detect different forms of influenza virus hemagglutinin during viral penetration and biosynthesis. Bächi T, et al. **J Virol** 1985 Aug;55(2):307–13

Hyperthermia and the generation and activity of murine influenza-immune cytotoxic T cells in vitro. Müllbacher A. **J Virol** 1984 Dec;52(3):928–31

Isotype profiles of anti-influenza antibodies in mice bearing the xid defect. Reale MA, et al. **J Virol** 1985 Feb; 53(2):425–9

Enzyme immunoassay, complement fixation and hemagglutination inhibition tests in the diagnosis of influenza A and B virus infections. Purified hemagglutinin in subtype-specific diagnosis. Julkunen I, et al. **J Virol Methods** 1985 Jan;10(1):75–84

Lack of association of swine flu vaccine and rheumatoid arthritis. Kurland LT, et al. **Mayo Clin Proc** 1984 Dec; 59(12):816–21

Plasma membranes from influenza virus-infected cells induce in vitro human secondary virus-specific cytotoxic T lymphocyte responses. Hildreth JE, et al. **Mol Biol Med** 1983 Sep;1(2):225–33

Antibodies elicited by influenza virus hemagglutinin fail to bind to synthetic peptides representing putative antigenic sites. Nestorowicz A, et al. **Mol Immunol** 1985 Feb; 22(2):145–54

Influenza A virus nucleoprotein is a major target antigen for cross-reactive anti-influenza A virus cytotoxic T lymphocytes. Yewdell JW, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1785–9

Influenza virus-specific T cells fail to reduce lung virus titres in cyclosporin-treated, infected mice. Schiltknecht E, et al. **Scand J Immunol** 1985 Jul;22(1):99–103

The effect of prenatal chlordane exposure on specific anti-influenza cell-mediated immunity. Barnett JB, et al. **Toxicol Lett** 1985 Jun;25(3):229–38

Vaccination against equine influenza [letter] Clarke KW. **Vet Rec** 1985 Mar 9;116(10):275

Antigenic determinants of influenza virus hemagglutinin. XI. Conformational changes detected by monoclonal antibodies. Jackson DC, et al. **Virology** 1985 Aug; 145(1):72–83

[Extraction of the core and matrix proteins and preparation of antisera from type A influenza virus] Guo YJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):381–3 (Eng. Abstr.) **(Chi)**

[T-cell growth factor and clonization of type A influenza virus cytotoxic T-cell] Lin YL. **Sheng Li Ko Hsueh Chin Chan** 1984 Apr;15(2):126–30 **(Chi)**

[Inhibition of the hemolytic activity of influenza viruses by antibody] Glathe H, et al. **Biomed Biochim Acta** 1984; 43(4):523–33 (Eng. Abstr.) **(Ger)**

[Immunity against influenza virus types A and B in the Ruhr region] Kuwert E, et al. **Dtsch Med Wochenschr** 1984 Dec 21;109(51–52):1970–2 (Eng. Abstr.) **(Ger)**

[Absorption-elution method for the purification and concentration of influenza virus antigen for ELISA] Rosmus K, et al. **Z Gesamte Hyg** 1984 Nov;30(11):654–6 (Eng. Abstr.) **(Ger)**

[Studies on anti-neuraminidase antibody response in serum after inoculation of influenza hemagglutinin vaccines] Hiromatsu Y, et al. **Kansenshogaku Zasshi** 1984 May; 58(5):367–75 (Eng. Abstr.) **(Jpn)**

[Search for antibodies against human influenza virus in swine] Couceiro JN, et al. **An Microbiol (Rio De J)** 1982;27:169–75 (Eng. Abstr.) **(Por)**

[Antibody-stimulating and protective effect of a conjugate of the influenza virus M protein with a synthetic polymer] Petrov RV, et al. **Dokl Akad Nauk SSSR** 1984;277(3):720–2 **(Rus)**

ISOLATION & PURIFICATION

[Simultaneous occurrence of influenza B and influenza A(H1N1) virus in the winter of 1983/84] Masurel N, et al. **Ned Tijdschr Geneeskd** 1984 Oct 27;128(43):2050–1 **(Dut)**

[Development of a reproducible microtest for the determination of infectious units of influenza viruses] Schröder G, et al. **Arch Exp Veterinarmed** 1985 Mar; 39(2):214–9 (Eng. Abstr.) **(Ger)**

[Influenza in swine--distribution and importance] Vagt M, et al. **Berl Munch Tierarztl Wochenschr** 1984 Dec 1; 97(12):442–7 (Eng. Abstr.) **(Ger)**

[Test system for detecting and differentiating the influenza virus by an immunoenzyme method] Shenderovich SF, et al. **Vopr Virusol** 1984 Jul–Aug;29(4):459–63 (Eng. Abstr.) **(Rus)**

METABOLISM

In vitro synthesis of full-length influenza virus complementary RNA. del Río L, et al. **EMBO J** 1985 Jan; 4(1):243–7

Virions and intracellular nucleocapsids produced during mixed heterotypic influenza infection of MDCK cells. Sklyanskaya EI, et al. **J Virol** 1985 Feb;53(2):679–83

PATHOGENICITY

Stability of infectious influenza A viruses to treatment at low pH and heating. Scholtissek C. **Arch Virol** 1985; 85(1–2):1–11

[Effect of influenza virus glycoproteins on the permeability of pulmonary capillaries in mice] Chuvakova ZK, et al. **Vopr Virusol** 1985 Jan–Feb;30(1):43–6 (Eng. Abstr.) **(Rus)**

[Changes in the biological properties of influenza virus (HON1) strains virulent for mice when exposed to homologous antibodies] Smorodintsev AA, et al. **Vopr Virusol** 1984 Nov–Dec;29(6):663–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effect of influenza virus on protein phosphorylation in isolated membranes of chick embryo cells. Križanová O, et al. **Acta Virol (Praha)** 1985 Jan;29(1):1–10

Depression of chemiluminescence response in mouse spleen cells by infective and inactivated influenza virus. Masihi KN, et al. **Clin Immunol Immunopathol** 1984 Oct; 33(1):23–30

N-Acetylneuraminyllactosylceramide, GM3-NeuAc, a new influenza A virus receptor which mediates the adsorption-fusion process of viral infection. Binding specificity of influenza virus A/Aichi/2/68 (H3N2) to membrane-associated GM3 with different molecular species of sialic acid. Suzuki Y, et al. **J Biol Chem** 1985 Feb 10;260(3):1362–5

Mechanism of neutralization of influenza virus by secretory IgA is different from that of monomeric IgA or IgG. Taylor HP, et al. **J Exp Med** 1985 Jan 1;161(1):198–209

Myxovirus replication in chicken embryos can be suppressed by aprotinin due to the blockage of viral glycoprotein cleavage. Zhirnov OP, et al. **J Gen Virol** 1985 Jul;66 (Pt 7):1633–8

ULTRASTRUCTURE

Arrangement of coiled ribonucleoprotein in influenza A virus particles. Yazaki K, et al. **J Electron Microsc (Tokyo)** 1984; 33(4):395–400

ORTHOMYXOVIRUSES TYPE B

Detection of type A and B influenza viruses in clinical materials by immunoelectronmicroscopy. Ptáková M, et al. **Acta Virol (Praha)** 1985 Jan;29(1):19–24

Ribavirin aerosol treatment of influenza B virus infection. McClung HW, et al. **Trans Assoc Am Physicians** 1983; 96:284–93

Molecular epidemiology of influenza virus: antigenic and biochemical analysis of influenza virus outbreaks in schools. Oxford JS. **Z Gesamte Hyg** 1985 Mar;31(3):146–8

ANALYSIS

Matrix proteins of influenza A and B viruses possess common antigenic determinants [letter] Bukrinskaya AG, et al. **Lancet** 1985 Feb 2;1(8423):276–7

DRUG EFFECTS

[Characteristics of the glycoproteins of vaccinal strains of the influenza viruses solubilized by octyl-beta-D-glucopyranoside] Mel'nikov SK, et al. **Vopr Virusol** 1985 Mar–Apr;30(2):153–8 (Eng. Abstr.) **(Rus)**

GENETICS

Antigenic structure of the hemagglutinin of influenza virus B/Hong Kong/8/73 as determined from gene sequence analysis of variants selected with monoclonal antibodies. Hovanec DL, et al. **Virology** 1984 Dec;139(2):384–92

Biochemical and serological studies of influenza B viruses: comparisons of historical and recent isolates. Oxford JS, et al. **Virus Res** 1984;1(3):241–58

IMMUNOLOGY

Reassortants of influenza B viruses for use in vaccines: an evaluation. Goodeve AC, et al. **Arch Virol** 1985; 83(3–4):169–79

Enzyme-linked immunosorbent assay for the detection of antibodies to type-B influenza virus. Rapicetta M, et al. **Boll Ist Sieroter Milan** 1982;61(6):447–53

The HI test modified by ether treatment in the sero-epidemiological surveillance of influenza B. Pyhälä R, et al. **J Hyg (Lond)** 1985 Jun;94(3):341–8

Blocking of influenza virus-induced cell-mediated cytotoxicity by hemagglutinin-specific monoclonal antibody. Justewicz DM, et al. **J Infect Dis** 1984 Sep; 150(3):348–57

Influenza surveillance at Siriraj Hospital: 1979–1983. Puthavathana P, et al. **J Med Assoc Thai** 1985 Apr; 68(4):167–73

Immune response of adults to sequential influenza vaccination. Powers RD, et al. **J Med Virol** 1984; 14(2):169–75

Antigenic structure of the influenza B virus hemagglutinin: nucleotide sequence analysis of antigenic variants selected with monoclonal antibodies. Berton MT, et al. **J Virol** 1984 Dec;52(3):919–27

Enzyme immunoassay, complement fixation and hemagglutination inhibition tests in the diagnosis of influenza A and B virus infections. Purified hemagglutinin in subtype-specific diagnosis. Julkunen I, et al. **J Virol Methods** 1985 Jan;10(1):75–84

[Detection of antibody to type B influenza virus in pig populations in China] Guo YJ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):326–9 (Eng. Abstr.) **(Chi)**

[Immunity against influenza virus types A and B in the Ruhr region] Kuwert E, et al. **Dtsch Med Wochenschr** 1984 Dec 21;109(51–52):1970–2 (Eng. Abstr.) **(Ger)**

[Immunologic reactions following influenza virus vaccination] Süss J, et al. **Z Gesamte Hyg** 1985 Mar; 31(3):149–53 (Eng. Abstr.) **(Ger)**

[Antigenic relationships between influenza B/Hong Kong/72 strains and B/Seattle/1/49] Murao M, et al. **Kansenshogaku Zasshi** 1984 Apr;58(4):275–84 (Eng. Abstr.) **(Jpn)**

[Antigenic properties of the M1 proteins of influenza type B viruses and the detection of a common antigenic determinant of the M1 proteins of type A and B viruses] Bukrinskaia AG, et al. **Vopr Virusol** 1984 Nov–Dec; 29(6):677–82 (Eng. Abstr.) **(Rus)**

[Erythrocyte antibody diagnostic agents for determining the type and subtype of influenza viruses] Saiatov MKh, et al. **Vopr Virusol** 1985 Jan–Feb;30(1):39–43 (Eng. Abstr.) **(Rus)**

[Antigenic determinant composition of the hemagglutinins of influenza type B viruses isolated in 1940–1975] Zhumatov KKh. **Vopr Virusol** 1984 Sep–Oct;29(5):543–7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Simultaneous occurrence of influenza B and influenza A(H1N1) virus in the winter of 1983/84] Masurel N, et al. **Ned Tijdschr Geneeskd** 1984 Oct 27;128(43):2050–1 **(Dut)**

[Functional and antigenic activity of the supercapsid proteins of influenza A and B viruses isolated by a combination of enzyme and electrophoretic methods] Liubovtseva OV, et al. **Vopr Virusol** 1984 Sep–Oct;29(5):625–8 **(Rus)**

[Test system for detecting and differentiating the influenza virus by an immunoenzyme method] Shenderovich SF, et al. **Vopr Virusol** 1984 Jul–Aug;29(4):459–63 (Eng. Abstr.) **(Rus)**

[Use of immunoenzyme analysis for the detection and differentiation of influenza viruses A, B and C] Shenderovich SF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jan;(1):85–90 (Eng. Abstr.) **(Rus)**

METABOLISM

Virions and intracellular nucleocapsids produced during mixed heterotypic influenza infection of MDCK cells. Sklyanskaya EI, et al. **J Virol** 1985 Feb;53(2):679–83

Studies on the synthesis of the influenza V virus NB glycoprotein. Shaw MW, et al. **Virology** 1984 Nov; 139(1):178–84

PHYSIOLOGY

Depression of chemiluminescence response in mouse spleen cells by infective and inactivated influenza virus. Masihi KN, et al. **Clin Immunol Immunopathol** 1984 Oct; 33(1):23–30

ORTHOPANTOMOGRAPHY see **RADIOGRAPHY, PANORAMIC**

ORTHOPEDIC EQUIPMENT

Infant walkers and cerebral palsy [letter] Bachman DS. **Am J Dis Child** 1985 Jan;139(1):11–2

Low back pain: conservative treatment with artificial shock absorbers. Wosk J, et al. **Arch Phys Med Rehabil** 1985 Mar; 66(3):145–8

The measurement of anterior knee laxity after ACL reconstructive surgery. Malcom LL, et al. **Clin Orthop** 1985 Jun;(196):35–41

An improvised passive motion apparatus. Sachs BL, et al. **Clin Orthop** 1985 Apr;(194):205–6

Instrumented measurement of anterior laxity of the knee. Daniel DM, et al. **J Bone Joint Surg [Am]** 1985 Jun; 67(5):720–6

Treadmill made of conducting rubber in gait analysis. Kauer JM, et al. **Med Biol Eng Comput** 1985 Jan;23(1):93–4

An apparatus making possible restoration of simple functions of the tetraplegic hand. Kiwerski J, et al. **Paraplegia** 1984 Oct;22(5):316–9

Low energy cost reciprocal walking for the adult paraplegic. Patrick JH, et al. **Paraplegia** 1985 Apr;23(2):113–7

Development and evaluation of a universal contoured cushion. Perkash I, et al. **Paraplegia** 1984 Dec;22(6):358–65

Upper limb weakness in children with Duchenne muscular dystrophy--a neglected problem. James WV, et al. **Prosthet Orthot Int** 1984 Aug;8(2):111–3

[A case report of depressed skull fracture of the newborn treated with a vacuum extractor] Wu CM, et al.

Taiwan I Hsueh Hui Tsa Chih 1985 Feb;84(2):270-5 (Eng. Abstr.) (Chi)

[A trauma bed on wheels] Abduev BD, et al. **Ortop Travmatol Protez** 1984 Nov;(11):62 (Rus)

[An instrument for measuring movement in the finger joints] Bizhko IF, et al. **Ortop Travmatol Protez** 1984 Aug;(8):65-6 (Rus)

[Forceps for creating channels in bones] Chaplygin VI. **Ortop Travmatol Protez** 1984 Sep;(9):55 (Rus)

[Irrigation syringe for local treatment of suppurative complications among traumatologo-orthopedic patients] Masimov MO. **Ortop Travmatol Protez** 1984 Sep;(9):52 (Rus)

[Guide for inserting bone transplants] Skliarenko ET, et al. **Ortop Travmatol Protez** 1984 Sep;(9):54 (Rus)

[A sanitary stretcher for immobilization and transportation] Ungbaev TE. **Ortop Travmatol Protez** 1985 Apr;(4):60-1 (Rus)

[A stand for the application of surgical casts] Vasil'ev SF, et al. **Ortop Travmatol Protez** 1985 Apr;(4):63-4 (Rus)

ADVERSE EFFECTS

[Possibilities of reducing thermal damage to bone when using spiral drills in osteosynthesis] Milberg J, et al. **Biomed Tech (Berlin)** 1984 Dec;29(12):309-17 (Eng. Abstr.) (Ger)

ECONOMICS

Orthopaedic aids at low cost. De Ruyter K, et al. **Br Med J [Clin Res]** 1984 Sep 22;289(6447):749-51

SUPPLY & DISTRIBUTION

[Problems of immediate supply of orthopedic equipment in ambulatory practice] Prosnak M. **Chir Narzadow Ruchu Ortop Pol** 1984;49(5):491-5 (Eng. Abstr.) (Pol)

[Types of orthopedic equipment and its utilization in patients with severe lesions of the musculoskeletal system] Sczygielska-Majewska M. **Pol Tyg Lek** 1984 Aug 6; 39(32):1067-70 (Eng. Abstr.) (Pol)

UTILIZATION

[Prospects of using diagnostic biomechanical equipment] Kaz'min AI, et al. **Ortop Travmatol Protez** 1984 Nov; (11):70-3 (Rus)

ORTHOPEDIC FIXATION DEVICES

Segmental spinal instrumentation without sublaminar wires. Drummond DS, et al. **Arch Orthop Trauma Surg** 1985; 103(6):378-84

Reduction and fixation of late diagnosed lower cervical spine dislocations using the Daab plate. A report of two cases. Korkala O, et al. **Arch Orthop Trauma Surg** 1984; 103(5):353-5

Fretting corrosion in orthopaedic alloys. Cook SD, et al. **Biomater Med Devices Artif Organs** 1983-84;11(4):281-92

Contoured Harrington instrumentation in the treatment of unstable spinal fractures. The effect of supplementary sublaminar wires. Akbarnia BA, et al. **Clin Orthop** 1984 Oct;(189):186-94

Comparison between square-ended distraction rods and standard round-ended distraction rods in the treatment of thoracolumbar spinal injuries. A statistical analysis. Denis F, et al. **Clin Orthop** 1984 Oct;(189):162-7

Stabilization of thoracic and thoracolumbar fracture-dislocations with Harrington rods and sublaminar wires. Gaines RW, et al. **Clin Orthop** 1984 Oct; (189):195-203

Ununited fractures of the femur stabilized with the fluted rod. Harper MC. **Clin Orthop** 1984 Nov;(190):273-8

Knee fusion with intramedullary rods for failed total knee arthroplasty. Harris CM, et al. **Clin Orthop** 1985 Jul-Aug; (197):209-16

A locking hook spinal rod system for stabilization of fracture-dislocations and correction of deformities of the dorsolumbar spine. A biomechanic evaluation. Jacobs RR, et al. **Clin Orthop** 1984 Oct;(189):168-77

Stabilization of the lower thoracic and lumbar spine with external skeletal fixation. Magerl FP. **Clin Orthop** 1984 Oct; (189):125-41

Experimental evaluation of Harrington rod fixation supplemented with sublaminar wires in stabilizing thoracolumbar fracture-dislocations. Munson G, et al. **Clin Orthop** 1984 Oct;(189):97-102

The fatigue resistance of orthopaedic wire. Oh I, et al. **Clin Orthop** 1985 Jan-Feb;(192):228-36

Sublaminar wiring of Harrington distraction rods for unstable thoracolumbar spine fractures. Sullivan JA. **Clin Orthop** 1984 Oct;(189):178-85

External fixation. Its use in podiatric surgery. Walter JH Jr. **Clin Podiatry** 1985 Jan;2(1):3-26

Fracture healing assessment with external fixation. Churches AE, et al. **Eng Med** 1985 Jan;14(1):13-20, 29

An engineering evaluation of the Oxford External Fixator with sliding clamps: fixator stiffness and fracture healing assessment. Churches AE, et al. **Eng Med** 1985 Jan; 14(1):21-9

The Oxford External Fixator: fixator stiffness and the effects of bone pin loosening. Churches AE, et al. **Eng Med** 1985 Jan;14(1):3-11, 29

Diaphyseal lengthening for shortness of the toe. Urbaniak JR, et al. **Foot Ankle** 1985 Mar-Apr;5(5):251-6

External fixation in the treatment of fractures of the distal forearm. Bossi E, et al. **Ital J Orthop Traumatol** 1984 Sep; 10(3):341-8

Percutaneous Kirschner-wire fixation of Colles fractures. A prospective study of thirty cases. Clancey GJ. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1008-14

External skeletal fixation of canine tibial osteotomies. Compression compared with no compression. Hart MB, et al. **J Bone Joint Surg [Am]** 1985 Apr;67(4):598-605

Thoracic lordoscoliosis in neurofibromatosis: treatment by a Harrington rod with sublaminar wiring. Report of two cases. Winter RB. **J Bone Joint Surg [Am]** 1984 Sep; 66(7):1102-6

Comparison of osteotomy healing under external fixation devices with different stiffness characteristics. Wu JJ, et al. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1258-64

Closed intramedullary rodding for osteogenesis imperfecta. Middleton RW. **J Bone Joint Surg [Br]** 1984 Nov; 66(5):652-5

An alternative fixation technique when performing hallux interphalangeal joint fusions. Sharon SM, et al. **J Foot Surg** 1985 Mar-Apr;24(2):132-5

Interphalangeal fixation of the thumb in Moberg's key grip procedure. Hiersche DL, et al. **J Hand Surg [Am]** 1985 Jan;10(1):30-2

Rigid stabilization system for maxillary osteotomies. Bays RA. **J Oral Maxillofac Surg** 1985 Jan;43(1):60-3

Mandibular fracture fixation and reconstruction using the lower-border threaded rod: an eleven-year follow-up study. Seldin EB, et al. **J Oral Maxillofac Surg** 1985 Feb; 43(2):115-21

Comminuted fractures of the zygomatic arch: percutaneous circumzygomatic suspension. Hagan WE. **Laryngoscope** 1985 Sep;95(9 Pt 1):1124-5

Acrylic prosthesis in rheumatoid arthritis of the cervical spine [letter] Destée A, et al. **Neurosurgery** 1984 Nov;15(5):764-5

Halo-body device. Hughes SP, et al. **Paraplegia** 1984 Aug; 22(4):260-6

Rod bender for Luque instrumentation. Black R, et al. **Spine** 1984 Nov-Dec;9(8):837-8

A biomechanical analysis of spinal instrumentation systems in thoracolumbar fractures. Comparison of traditional Harrington distraction instrumentation with segmental spinal instrumentation. McAfee PC, et al. **Spine** 1985 Apr; 10(3):204-17

[Measurement of the stability of various universal ball-and-socket joints for external fixation] Schrøder HA. **Ugeskr Laeger** 1985 Jan 14;147(3):163-5 (Eng. Abstr.) (Dan)

[Long-term course of lumbar curvature following Harrington instrumentation for thoracic or double major idiopathic scoliosis] Michel CR, et al. **Rev Chir Orthop** 1985;71(3):187-93 (Eng. Abstr.) (Fre)

[The Armstrong procedure in scoliosis surgery. Clinical, biomechanical and tridimensional study] Romaña C, et al. **Rev Chir Orthop** 1985;71(2):111-8 (Eng. Abstr.) (Fre)

[Value of the surgical treatment of subcondylar fractures. Apropos of a comparative study of 24 cases of luxation-fractures treated by to-and-fro osteosynthesis or by active protrusive mobilization] Cadenat H, et al. **Rev Stomatol Chir Maxillofac** 1984;85(6):455-64 (Eng. Abstr.) (Fre)

[External fixation devices in maxillofacial surgery] Pasturel A, et al. **Rev Stomatol Chir Maxillofac** 1984;85(5):426-8 (Eng. Abstr.) (Fre)

[Stable, distraction-free wire cerclage] Franke D. **Chirurg** 1985 Jun;56(6):408-10 (Ger)

[Modified Schanz screws for the external fixator] Hofmann D, et al. **Unfallchirurgie** 1985 Jun;11(3):107-10 (Eng. Abstr.) (Ger)

[The small external fixator] Jakob RP. **Z Unfallchir Versicherungsmed Berufskr** 1985;78(1):53-5 (Ger)

[Pin-plate screw fixation in subcapital fractures of the femur] Waisman M, et al. **Harefuah** 1985 Feb 1;108(3):134-7 (Eng. Abstr.) (Heb)

[Treatment of pseudarthrosis of the carpal scaphoid with a compression plate] Vespasiani A, et al. **Chir Ital** 1983 Feb; 35(1):134-8 (Eng. Abstr.) (Ita)

[Main indications for the use of external fixation devices in extensive traumatic lesions of the lower extremity] Battaglia L, et al. **Chir Organi Mov** 1982-83;68(4-6):413-23 (Eng. Abstr.) (Ita)

[Our experience in the use of external fixation devices] Ravaglia L, et al. **Chir Organi Mov** 1982-83;68(4-6):425-37 (Eng. Abstr.) (Ita)

[Fatigue performance of Hoffmann-Vidal external fixator] Shiba R, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Oct; 58(10):1003-12 (Eng. Abstr.) (Jpn)

[Posterior instrumentation surgery of the spine] Yamamoto H. **Nippon Seikeigeka Gakkai Zasshi** 1984 Oct; 58(10):1059-71 (12 ref.) (Jpn)

[Osteosynthesis with an external Burghele fixation device] Burghele N, et al. **Rev Chir [Chir]** 1985 Jan-Feb;34(1):37-41 (Eng. Abstr.) (Rum)

[Hinged distraction apparatus for treating various injuries and diseases of the radiocarpal and metacarpophalangeal joints] Averkiev AV, et al. **Ortop Travmatol Protez** 1984 Aug; (8):64-5 (Rus)

[Corrector for surgery of the spine (1st clinical attempt at application)] Rodnianskiĭ LL, et al. **Ortop Travmatol Protez** 1984 Aug;(8):36-40 (Eng. Abstr.) (Rus)

[Closed transosseous osteosynthesis using the Ilizarov method in treating patients with condylar fractures of the femur and crus] Shved SI, et al. **Vestn Khir** 1984 Sep;133(9):90-3 (Eng. Abstr.) (Rus)

[10 years' experience with Soviet compression-distraction systems] Makai F, et al. **Bratisl Lek Listy** 1984 Nov; 82(5):1289-300 (Eng. Abstr.) (Slo)

[Repositioning of inveterate fractures of the foreleg using external fixation devices] Cársky S, et al. **Rozhl Chir** 1984 Oct;63(10):677-83 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

Radiographic assessment of Harrington rod instrumentation for spinal fractures. Rubenstein JD, et al. **J Can Assoc Radiol** 1984 Jun;35(2):159-63

Spondylolysis after spinal instrumentation in osteogenesis imperfecta. Barrack RL, et al. **South Med J** 1984 Nov; 77(11):1453-4

[Disorders of ossification and growth of the proximal end of the femur due to the incorrect use of abduction treatment of luxatio coxae congenita] Feltl M, et al. **Acta Chir Orthop Traumatol Cech** 1985 Jul;52(4):350-5 (Eng. Abstr.) (Cze)

STANDARDS

Knodt rod fusion of the lumbar spine. Taylor LJ, et al. **Acta Orthop Scand** 1984 Oct;55(5):542-4

VETERINARY

Type I biplanar configuration of external skeletal fixation: application technique in nine dogs and one cat. Egger EL, et al. **J Am Vet Med Assoc** 1985 Aug 1;187(3):262-7

ORTHOPEDICS

Sublingual buprenorphine for premedication and postoperative pain relief in orthopaedic surgery. Risbo A, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):180-2

Effects of three anaesthesia methods on haemodynamic responses connected with the use of thigh tourniquet in orthopaedic patients. Valli H, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):142-7

Presidential address of the American Orthopaedic Society for Sports Medicine. Leach RE. **Am J Sports Med** 1984 Nov-Dec;12(6):413-6

Comparative study of ceftriaxone and cefuroxime for perioperative prophylaxis in orthopedic surgery. Meyer JM. **Am J Surg** 1984 Oct 19;148(4A):27-9

The use of a microcomputer for inpatient audit in an orthopaedic department. Broughton NS, et al. **Ann R Coll Surg Engl** 1985 Jul;67(4):259-62

Prevention of infection following orthopedic surgery. Eron LJ. **Antibiot Chemother** 1985;33:140-64 (80 ref.)

An inaccurate review of antibiotic prophylaxis [letter] Miller WA. **Arch Surg** 1985 Jun;120(6):754-5

Bangladesh--1977 to 1984. Eyre-Brook AL. **Bristol Med Chir J** 1985 Apr;100(374):46-50

The use of penicillins in orthopaedic surgery. Cunha BA. **Clin Orthop** 1984 Nov;(190):36-49

Progress in Sweden. Editorial comment. Goldie I. **Clin Orthop** 1984 Dec;(191):2-3

Other antibiotics. Hayashi K. **Clin Orthop** 1984 Nov; (190):109-13 (8 ref.)

Survey of orthopaedic surgical research in a university center (Linköping). Lindahl O. **Clin Orthop** 1984 Dec;(191):136-8

Microbiology for orthopaedic surgeons: selected aspects. Monson TP, et al. **Clin Orthop** 1984 Nov;(190):14-22

Cephalosporin antibiotics as applied in surgery of bones and joints. Neu HC. **Clin Orthop** 1984 Nov;(190):50-64 (46 ref.)

The use of preventive antibiotics in orthopaedic surgery. Williams DN, et al. **Clin Orthop** 1984 Nov;(190):83-8 (35 ref.)

Nitroprusside vs. a nitroprusside-trimethaphan mixture for induced hypotension: hemodynamic effects and cyanide release. Fahmy NR. **Clin Pharmacol Ther** 1985 Mar; 37(3):264-70

Bone cement in orthopedics [editorial] Rushton N. **Equine Vet J** 1984 Nov;16(6):486-7

Hallux valgus assessment: report of research committee of American Orthopaedic Foot and Ankle Society. Smith RW, et al. **Foot Ankle** 1984 Sep-Oct;5(2):92-103 (38 ref.)

The role of surgery in rehabilitation. Dunkerley DR. **Int Rehabil Med** 1985;7(1):39-40

Prophylactic cefamandole in orthopaedic surgery. Gatell JM, et al. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1219-22

Toxic shock syndrome as a complication of orthopedic surgery [letter] Hermens KA. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1321

Current concepts review. Fundamentals of statistics for orthopaedists: Part III. Santner TJ, et al. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1309-18 (20 ref.)

British Orthopaedic Association scientific papers. Abstracts. **J Bone Joint Surg [Br]** 1985 Jan;67(1):144-54

Problem drinking in orthopaedic patients. Elvy GA, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):478-81

Congenital subluxation of the hip. A long-term review. Sherlock DA, et al. **J Bone Joint Surg [Br]** 1985 May; 67(3):390-8

Use of biocompatible orthopaedic polymer for fracture treatment and reconstructive orthopaedic procedures. Merendino J, et al. **J Int Med Res** 1984;12(6):351-5

Intraoperative radiographs: a modified technique. Hankin FM, et al. **J Pediatr Orthop** 1985 Jan-Feb;5(1):107-8

Comments for a new generation of rehabilitation engineers. Foort J. **J Rehabil Res Dev** 1985 Jan;22(1):2-8

Combined orthopaedic-geriatric care [letter] **Lancet** 1985 Feb 9;1(8424):349-50

Magnetic resonance imaging: preliminary experience in orthopedic radiology. Berquist TH. **Magn Reson Imaging** 1984;2(1):41-52

Orthopedic management of wartime trauma patients. Livingston RD Jr. **Milit Med** 1985 Feb;150(2):72-6

MMIE malpractice claim review. Orthopedic surgery. Johnson FE. **Minn Med** 1985 May;68(5):378

A comparison of nalbuphine and pethidine for postoperative pain relief after orthopaedic surgery. Brock-Utne JG, et al. **S Afr Med J** 1985 Sep 14;68(6):391-3

[Possibilities of using peridural analgesia in orthopedics and traumatology and its effect on hemodynamics, acid-base balance and the biochemical indices of the blood serum] Bovianski A, et al. **Khirurgiia (Sofiia)** 1984;37(4):281-5 **(Bul)**

[Spinal anesthesia in elderly subjects for orthopedic surgery (letter)] Dru M, et al. **Ann Fr Anesth Reanim** 1985;4(3):327 **(Fre)**

[Disadvantages and limitations of autotransfusion in pediatric surgery] Merckx J. **Cah Anesthesiol** 1984 Mar;32(3):183-4 **(Fre)**

[Induced normovolemic hemodilution associated with autotransfusion in orthopedic surgery in children] Roure P, et al. **Cah Anesthesiol** 1984 Mar;32(3):179-82 (Eng. Abstr.) **(Fre)**

[Normovolemic hemodilution in the prevention of venous thrombosis in orthopedic and traumatologic surgery] Tartière J, et al. **Cah Anesthesiol** 1984 Mar;32(3):203-7 (Eng. Abstr.) **(Fre)**

[New biomaterials in orthopedics] Langlais F. **Presse Med** 1985 Jun 29;14(26):1424-8 (15 ref.) (Eng. Abstr.) **(Fre)**

[Role of orthopedic surgery in the treatment of bone metastasis] Debeyre J, et al. **Rev Rhum Mal Osteoartic** 1985 Mar;52(3):161-9 **(Fre)**

[Orthopedics and ambulatory surgery] Fritschy D. **Schweiz Rundsch Med Prax** 1985 Jul 9;74(28):749-51 (Eng. Abstr.) **(Fre)**

[30th meeting of the Orthopedic Society of East Germany. 3-5 April 1984, Karl Marx Stadt. Abstracts] **Beitr Orthop Traumatol** 1984 Nov;31(11):566-605 **(Ger)**

[Manufacture of bone models based on computed tomographic data for use in surgery and orthopedics] Giebel G, et al. **Biomed Tech (Berlin)** 1985 May;30(5):111-4 (Eng. Abstr.) **(Ger)**

[3-dimensional bone models following computer tomography data. Computer design and computer production for operation planning in surgery and orthopedics] Mildenstein K, et al. **Fortschr Med** 1985 Apr 4;103(13):331-4 (Eng. Abstr.) **(Ger)**

[Preoperative education consultation from the viewpoint of the patient] Bökamp H, et al. **Z Orthop** 1984 Sep-Oct;122(5):623-7 (Eng. Abstr.) **(Ger)**

[Deaths in orthopedics] Katthagen BD, et al. **Z Orthop** 1984 Sep-Oct;122(5):628-34 (Eng. Abstr.) **(Ger)**

[Kinetics of cellular adhesion to different materials used in implants] Cannas M, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30;61(3):461-5 (Eng. Abstr.) **(Ita)**

[The choice of antibiotics for prophylaxis of postoperative infections in the field of orthopaedics. Clinical experience with cefoxitin] Doi K, et al. **Jpn J Antibiot** 1985 Jan;38(1):83-94 (Eng. Abstr.) **(Jpn)**

[The 57th annual meeting of the Japanese Orthopaedic Association. Sapporo, June 22-24, 1984. Abstracts] **Nippon Seikeigeka Gakkai Zasshi** 1984 Dec;58(12):S389-744 **(Jpn)**

[The 57th annual meeting of the Japanese Orthopaedic Association. Sapporo, June 22-24, 1984. Abstracts] **Nippon Seikeigeka Gakkai Zasshi** 1984 Nov;58(11):S1-387 **(Jpn)**

[Primary care in orthopedics] Takayama E. **Nippon Seikeigeka Gakkai Zasshi** 1985 Apr;59(4):477-90 (30 ref.) **(Jpn)**

[Use of semisynthetic penicillins and cephalosporins in trauma and orthopedic patients] Mel'nikova VM, et al. **Antibiotiki** 1984 Aug;29(8):614-5 (Eng. Abstr.) **(Rus)**

[Controlled hypotension with sodium nitroprusside in orthopedic injury operations] Shlapak IP, et al. **Klin Khir** 1984 Dec;(12):12-4 (Eng. Abstr.) **(Rus)**

[Various problems of terminology in traumatology and orthopedics] Abdrakhmanov AZh. **Ortop Travmatol Protez** 1985 Apr;(4):70-2 **(Rus)**

[Organization of pediatric orthopedic services in rural regions of the Moscow district and means for their improvement] Fishchenko PIa, et al. **Ortop Travmatol Protez** 1984 Dec;(12):33-5 **(Rus)**

[Organization of the dispensarization and treatment of invalids and participants in World War II] Safin FF. **Ortop Travmatol Protez** 1985 Mar;(3):5-7 **(Rus)**

[Orthopedic services needs] Zhuravlev SM, et al. **Sov Zdravookhr** 1984;(5):32-6 (Eng. Abstr.) **(Rus)**

[Ketamine anesthesia in traumatology and orthopedics] Shvets AI, et al. **Voen Med Zh** 1984 Nov;(11):50-1 **(Rus)**

EDUCATION

The education of future orthopaedists. Enneking WF. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1139-42

The effects of standardized feedback on orthopedic patient evaluation skills. DaRosa DA, et al. **J Med Educ** 1984 Dec;59(12):969-70

Faculty satisfaction, activity, and demographics: a comparison of family practice and orthopaedic surgery faculty. Fogarty JP, et al. **Milit Med** 1985 Jan;150(1):15-8

Learning arthroscopy. Miller WE. **South Med J** 1985 Aug;78(8):935-7

[Activities of the methodological seminar] Korzh AA. **Ortop Travmatol Protez** 1984 Jul;(7):61-2 **(Rus)**

HISTORY

Emanuel B. Kaplan bibliography. Kaplan VR, et al. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall;44(2):577-81

Winnipeg Orthopedic Society, a short history. Mayba II. **Can J Surg** 1985 Jan;28(1):92-3

The classic. Case of fracture of the spine in which the operation of trephining was performed, with observations. By Robert M'Donnell. **Clin Orthop** 1984 Oct;(189):3-11

The classic. The first stages of coxa plana by Henning Waldenström. 1938. **Clin Orthop** 1984 Dec;(191):4-7

Sailing the uncharted seas: 46 years of orthopaedics. Coventry MB. **Clin Orthop** 1985 Sep;(198):2-20

The classic. Penicillin: its practical application in orthopaedic surgery and fractures. By V. H. Ellis. 1946. Ellis VH. **Clin Orthop** 1984 Nov;(190):3-10

Guerin versus Malgaigne: a precedent for the free criticism of scientific papers. Peltier LF. **J Orthop Res** 1983;1(1):115-8

Orthopaedics and the Northern Ireland Council for Orthopaedic Development (NICOD). James WV. **Ulster Med J** 1984;53(2):111-6

[Theodor Kölliker--the 'old master' of German orthopedics] Bethge R. **Beitr Orthop Traumatol** 1985 Jan;32(1):1-6 (Eng. Abstr.) **(Ger)**

[The awarding of the Honorary Doctorate in Surgery to Johann Georg Heine (1771-1838), the founder of modern conservative orthopedics] Schwarzmann D. **Z Orthop** 1985 Jan-Feb;123(1):94-9 (Eng. Abstr.) **(Ger)**

[The significance of the scientist Prof. Bernhard Heine (1800-1846) for his age, especially for German and French orthopedics] Seffert S. **Z Orthop** 1985 Jan-Feb;123(1):89-93 (Eng. Abstr.) **(Ger)**

[The history of orthopedics in Freiburg] Weber M. **Z Orthop** 1985 Jan-Feb;123(1):79-88 (Eng. Abstr.) **(Ger)**

[World War II experience and the problems of current traumatology] Rusakov AB. **Ortop Travmatol Protez** 1985 May;(5):5-8 **(Rus)**

[History of the Kiev Society of Traumatologists and Orthopedists] Shumada IV, et al. **Ortop Travmatol Protez** 1984 Aug;(8):69-73 **(Rus)**

[Soviet medicine during World War II and current principles of step-by-step treatment of gunshot wounds of the limbs] Tkachenko SS. **Ortop Travmatol Protez** 1985 Apr;(4):1-5 (Eng. Abstr.) **(Rus)**

[R.R. Vreden (on a history of Russian orthopedics)] Vainshtein VG. **Ortop Travmatol Protez** 1985 May;(5):64-6 **(Rus)**

[50th anniversary of the Chair of Traumatology and Orthopedics of the Novokuznetsk Institute of Advanced Training of Physicians] Vitiugov IA. **Ortop Travmatol Protez** 1985 Jun;(6):63-4 **(Rus)**

[40 years' medical services for World War II invalids with an orthopedic traumatologic profile] Zhuravlev SM, et al. **Ortop Travmatol Protez** 1985 May;(5):1-5 **(Rus)**

[Experience of Soviet medicine in World War II and the problems of contemporary traumatology and orthopedics] Tkachenko SS. **Vestn Khir** 1985 Apr;134(4):7-11 **(Rus)**

[The Balkan frame or the Balkan method and its creator] Marinović I. **Srp Arh Celok Lek** 1984 Jan;112(1):127-36 (Eng. Abstr.) **(Scc)**

METHODS

Orthopedic problems in athletes. Nicholas JA, et al. **Compr Ther** 1985 Jan;11(1):48-56

Use of bone cement in two equine orthopaedic cases. Hickman J, et al. **Equine Vet J** 1984 Nov;16(6):543-5

One-bone forearm procedure for partial defect of the ulna. Kitano K, et al. **J Pediatr Orthop** 1985 May-Jun;5(3):290-3

[Surgical and orthopedic treatment of juvenile chronic arthritis] **Rev Chir Orthop** 1985;71(1):5-40 **(Fre)**

[Use of optical quantum generators (lasers) to treat orthopedo-traumatologic patients] Bogdanovich UIa, et al. **Ortop Travmatol Protez** 1984 Oct;(10):60-5 (52 ref.) **(Rus)**

[Microsurgery in traumatology and orthopedics: new possibilities and new problems] Tkachenko SS, et al. **Ortop Travmatol Protez** 1984 Jul;(7):67-72 **(Rus)**

[A system of orthopedic-surgical treatment for children with cerebral palsy] Umkhanov KhA. **Ortop Travmatol Protez** 1985 Apr;(4):37-44 (Eng. Abstr.) **(Rus)**

STANDARDS

Orthopaedic audit: one year's experience in a district general hospital. Bunker TD, et al. **Ann R Coll Surg Engl** 1984 Nov;66(6):428-31

TRENDS

Crisis, challenge, and credibility. Sledge CB. **J Bone Joint Surg [Am]** 1985 Apr;67(4):658-62

[Cooperation of engineer and physician. Orthopedics--an example of the productive alliance of medicine and technic] Rettig H. **Fortschr Med** 1985 Feb 14;103(6):78-9 **(Ger)**

[Problems of the orthopedo-traumatology service during the transition to dispensarization of the entire population] Dem'ianov VM, et al. **Ortop Travmatol Protez** 1985 Jan;(1):2-8 (Eng. Abstr.) **(Rus)**

[Status and current tasks of traumatological-orthopedic services in the Moldavian SSR] Stamatin SI, et al. **Ortop Travmatol Protez** 1984 Jul;(7):56-8 **(Rus)**

[Implementation of the achievements of medical science into health care practice in the Ukrainian SSR] Ternovoi KS, et al. **Ortop Travmatol Protez** 1984 Oct;(10):1-5 (Eng. Abstr.) **(Rus)**

VETERINARY

Fibular head transposition for repair of cruciate-deficient stifle in the dog. Smith GK, et al. **J Am Vet Med Assoc** 1985 Aug 15;187(4):375-83

ORTHOPSYCHIATRY

see related
MENTAL HEALTH

ORTHOPTERA

ANATOMY & HISTOLOGY

A comparative study of neck muscle motor neurons in a cricket and a locust. Honegger HW, et al. **J Comp Neurol** 1984 Dec 20;230(4):517-35

Structural and functional development of cricket ring muscles. Ready NE, et al. **J Exp Zool** 1985 Jan;233(1):35-50

Relationship between neurosecretory activity and staining properties in a neurosecretory cell-pair of the suboesophageal ganglion of the cricket Teleogryllus commodus (Walker). Ogrisegg B, et al. **Z Mikrosk Anat Forsch** 1985;99(2):321-6

METABOLISM

Extracellular localization of cyclic GMP in the house cricket male accessory reproductive gland and its fate in mating. Murtaugh MP, et al. **J Exp Zool** 1985 Mar;233(3):413-23

Apolar ecdysteroid esters in adult female crickets, Gryllus bimaculatus. Hoffmann KH, et al. **Life Sci** 1985 Jul 15;37(2):185-92

PHYSIOLOGY

Leg movements of stick insects walking with five legs on a treadwheel and with one leg on a motor-driven belt. II. Leg coordination when step-frequencies differ from leg to leg. Foth E, et al. **Biol Cybern** 1985;51(5):319-24

Leg movements of stick insects walking with five legs on a treadwheel and with one leg on a motor-driven belt. I. General results and 1:1-coordination. Foth E, et al. **Biol Cybern** 1985;51(5):313-8

The tuning of auditory receptors in bushcrickets. Oldfield BP. **Hear Res** 1985 Jan;17(1):27-35

Neurospecificity in the cricket cercal system. Murphey RK, et al. **J Exp Biol** 1984 Sep;112:7-25 (48 ref.)

Initiation of behavior by single neurons: the role of behavioral context. Nolen TG, et al. **Science** 1984 Nov 23;226(4677):992-4

ULTRASTRUCTURE

Non-random chromosome segregation in Neocurtilla hexadactyla is controlled by chromosomal spindle fibres: an ultraviolet microbeam analysis. Wise D, et al. **J Cell Sci** 1984 Jul;69:1-17

ORTHOPTICS

A comparison of the results of tonic and phasic vergence training. Daum KM. **Am J Optom Physiol Opt** 1983 Sep;60(9):769-75

Vision training and learning disorders. Heiger AA. **Conn Med** 1984 Dec;48(12):778-80

Successful visual training for alternating sursumduction. Robertson KM, et al. **J Am Optom Assoc** 1984 Dec;55(12):911-4

Effect of monocular occlusion on visuomotor perception and reading in dyslexic children. Stein J, et al. **Lancet** 1985 Jul 13;2(8446):69-73

The use of orthoptics in dyslexia. Haddad HM, et al. **Metab Ophthalmol** 1984-85;8(1):3-5

[Therapeutic physical exercise in the combined treatment of eye burns in children] Oleinik SD. **Oftalmol Zh** 1984;(3):189 **(Rus)**

HISTORY

[25-year activities of the Cracow Strabology Center] Krzystkowa KM. **Klin Oczna** 1984 Sep;86(9):375-7 (Eng. Abstr.) **(Pol)**

INSTRUMENTATION

[Unicorn spectacles] Mawas LJ. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul;84(6-7):741-3 (Eng. Abstr.) **(Fre)**

[A simple apparatus for evaluating stereoscopic vision in near vision] Rougas K, et al. **Bull Soc Ophtalmol Fr** 1983 Nov; 83(11):1269-72 (Eng. Abstr.) **(Fre)**

[Javal's mirror] Weiss JB. **Bull Soc Ophtalmol Fr** 1983 Nov; 83(11):1263-4, 1267-8 (Eng. Abstr.) **(Fre)**

[Effect of training on an accommodation apparatus on the clinical course of initial myopia] Iusupov AIu, et al. **Vestn Oftalmol** 1985 Jan-Feb;101(1):34-6 (Eng. Abstr.) **(Rus)**

METHODS

[Pleoptic and orthoptic reflections and proposals] Sradj N, et al. **Bull Soc Belge Ophtalmol** 1984;209:13-8 (Eng. Abstr.) **(Fre)**

[Suggestions for uniform criteria in the therapy of strabismus] Baranowska-George T. **Klin Oczna** 1984 Oct;86(10):437-9 (Eng. Abstr.) **(Pol)**

[Role of diploptics in treating concomitant convergent strabismus in preschool children] Tarastsova MM. **Oftalmol Zh** 1984;(3):152-4 (Eng. Abstr.) **(Rus)**

[Experience with the use of diploptic treatment in concomitant strabismus] Iusupov AA. **Vestn Oftalmol** 1985 Mar-Apr;101(2):63-6 (8 ref.) **(Rus)**

TRENDS

[Orthoptics and its future perspectives] Thomas C. **Bull Acad Natl Med (Paris)** 1984 Mar-Apr;168(3-4):467-73 (Eng. Abstr.) **(Fre)**

ORTHOTIC DEVICES

A distal support sling for the hemiplegic patient. Claus BS, et al. **Am J Occup Ther** 1985 Aug;39(8):536-7

The Canadian collar: a new cervical spine orthosis. Hannah RE, et al. **Am J Occup Ther** 1985 Mar;39(3):171-7

The effect of heel pads on the treatment of Achilles tendinitis: a double blind trial. Lowdon A, et al. **Am J Sports Med** 1984 Nov-Dec;12(6):431-5

The effects of ankle guards and taping on joint motion before, during, and after a squash match. Myburgh KH, et al. **Am J Sports Med** 1984 Nov-Dec;12(6):441-6

Prevention of ankle sprains. Tropp H, et al. **Am J Sports Med** 1985 Jul-Aug;13(4):259-62

Functional strapping for incomplete Erb palsy: case report. Draznin E, et al. **Arch Phys Med Rehabil** 1984 Nov; 65(11):731-2

Shoulder forearm support for the subluxed shoulder. Rajaram V, et al. **Arch Phys Med Rehabil** 1985 Mar;66(3):191-2

Grip strength and forearm straps in tennis elbow. Burton AK. **Br J Sports Med** 1985 Mar;19(1):37-8

Basic considerations for shoes, shoe modifications, and orthoses in foot care. Helfand AE. **Clin Podiatry** 1984 Aug; 1(2):431-40

Casting and orthotics for children. Spencer AM, et al. **Clin Podiatry** 1984 Dec;1(3):621-9

Prolongation of walking in Duchenne muscular dystrophy with lightweight orthoses: review of 57 cases. Heckmatt JZ, et al. **Dev Med Child Neurol** 1985 Apr;27(2):149-54

Functional foot orthoses for athletic injuries. A retrospective study. Blake RL, et al. **J Am Podiatr Med Assoc** 1985 Jul; 75(7):359-62

Biplane Posting Elevator. A new method of rearfoot post application. Dennis KJ, et al. **J Am Podiatr Med Assoc** 1985 May;75(5):272-4

Sorbothotics, soft tissue supplement orthoses. Niehaus LP. **J Am Podiatr Med Assoc** 1985 Jan;75(1):46-7

Orthotic treatment of feet having a high oblique midtarsal joint axis. Hice GA. **J Am Podiatry Assoc** 1984 Nov; 74(11):577-82

The partial foot amputation. Rubin G. **J Am Podiatry Assoc** 1984 Oct;74(10):518-22

Geometry and motion of the knee for implant and orthotic design. Kurosawa H, et al. **J Biomech** 1985;18(7):487-99

Modification of spastic gait through mechanical damping. Maki BE, et al. **J Biomech** 1985;18(6):431-43

Stochastic analysis of myoelectric temporal signatures for multifunctional single-site activation of prostheses and orthoses. Graupe D, et al. **J Biomed Eng** 1985 Jan; 7(1):18-29

Orthotic management of severe genu varum and tibia vara. Takatori Y, et al. **J Pediatr Orthop** 1984 Sep;4(5):633-5

Compressive behavior after simulated service conditions of some foamed materials intended as orthotic shoe insoles. Campbell GJ, et al. **J Rehabil Res Dev** 1984 Jul;21(2):57-65

Effects of shoes and foot orthotics on VO2 and selected frontal plane knee kinematics. Burkett LN, et al. **Med Sci Sports Exerc** 1985 Feb;17(1):158-63

Role of soft orthosis in treating plantar fasciitis. Suggestion from the field. Goulet MJ. **Phys Ther** 1984 Oct;64(10):1544

Effects of selected assistive devices on normal distance gait characteristics. Opara CU, et al. **Phys Ther** 1985 Aug; 65(8):1188-91

Orthosis for barefoot walking. Balakrishnan A. **Prosthet Orthot Int** 1984 Dec;8(3):165

A preliminary report on the use of cane and bamboo as basic construction materials for orthotic and prosthetic appliances. Banerji B, et al. **Prosthet Orthot Int** 1984 Aug; 8(2):91-6

Computer aided design, computer aided manufacture and other computer aids in prosthetics and orthotics. Klasson B. **Prosthet Orthot Int** 1985 Apr;9(1):3-11

Biomechanical study of a knee-ankle-foot-orthosis for hemiplegic patients. Morinaka Y, et al. **Prosthet Orthot Int** 1984 Aug;8(2):97-9

'Zero-position' functional shoulder orthosis. Ozaki J, et al. **Prosthet Orthot Int** 1984 Dec;8(3):139-42

Lower extremity telescopic orthosis--LETOR. Pokora MB, et al. **Prosthet Orthot Int** 1984 Aug;8(2):114-6

The use of flexible polyurethane foam in orthotics. Taylor AG. **Prosthet Orthot Int** 1984 Aug;8(2):108-10

[Knee disorders in sportsmen: treatment possibilities using correction of statics] Biedert R, et al. **Schweiz Z Sportmed** 1984 Sep;32(3):91-4 (Eng. Abstr.) **(Ger)**

[Etiology of hip dislocation in children with cerebral movement disorders and possibilities of conservative treatment using rotating and spreading plates and electrostimulation] Feldkamp M, et al. **Z Orthop** 1985 Mar-Apr;123(2):182-8 (Eng. Abstr.) **(Ger)**

[Primary orthosis in the treatment of closed diaphyseal fractures of the humerus] Imamaliev AS, et al. **Ortop Travmatol Protez** 1985 Apr;(4):48-9 **(Rus)**

[Treatment of diaphyseal fractures of the humerus with a functional immobilizing bandage] Okhotskiĭ VP, et al. **Ortop Travmatol Protez** 1985 Apr;(4):47-8 **(Rus)**

[A fixing collar] Tuzlukov AP, et al. **Ortop Travmatol Protez** 1985 Apr;(4):59-60 **(Rus)**

ORTONAL see **METHAQUALONE**

OS TRIGONUM see **TALUS**

OSCILLOMETRY

Forced oscillation technique. Reference values for resistance and reactance over a frequency spectrum of 2-26 Hz in healthy children aged 2.3-12.5 years. Duiverman EJ, et al. **Bull Eur Physiopathol Respir** 1985 Mar-Apr;21(2):171-8

INSTRUMENTATION

Raster display using an electronic circuit (stepper), technical note. Zapata-Ferrer AR, et al. **Bol Estud Med Biol** 1983 Jul-Oct;32(7-8):427-32 **(Eng, Spa)**

An oscilloscope spot intensifier, to improve photographic recordings of action potentials. Evans MH. **J Neurosci Methods** 1985 Jun;14(1):65-7

[Is automatic oscillometric measurement of blood pressure reliable in hypotension?] Caramella JP, et al. **Ann Fr Anesth Reanim** 1985;4(4):339-42 (Eng. Abstr.) **(Fre)**

[Oculo-oscillodynamography, a new procedure for the determination of ophthalmic artery blood pressure and ocular pulse curve analysis] Ulrich WD, et al. **Klin Monatsbl Augenheilkd** 1985 May;186(5):385-8 (Eng. Abstr.) **(Ger)**

METHODS

Cotton induced bronchoconstriction detected by a forced random noise oscillator. Sepulveda MJ, et al. **Br J Ind Med** 1984 Nov;41(4):480-6

An operative system for treatment of electropharmacological signals with a microprocessor. Diez Gil JL, et al. **Comput Programs Biomed** 1984;18(3):247-58

[Characteristics of oscillatory respiratory respiratory resistance determination in childhood] Berdel D, et al. **Prax Klin Pneumol** 1984 Nov;38(11):499-502 (Eng. Abstr.) **(Ger)**

[Measurement of airway resistance with non-plethysmographic methods] Nolte D, et al. **Prax Klin Pneumol** 1984 Aug;38(8):366-71 (Eng. Abstr.) **(Ger)**

[Value of spirometric, pneumotachographic and oscilloresistometric studies in the functional diagnosis of obstructive respiratory tract diseases] Pleger E, et al. **Z Erkr Atmungsorgane** 1984;163(3):229-40 (Eng. Abstr.) **(Ger)**

[Experiences with oscilloresistometry in addition to spirometry in preoperative function diagnosis in the elderly] Pleger E, et al. **Z Erkr Atmungsorgane** 1984;163(2):146-52 (Eng. Abstr.) **(Ger)**

OSGOOD-SCHLATTER DISEASE see **OSTEOCHONDRITIS**

OSLER-RENDU DISEASE see **TELANGIECTASIA, HEREDITARY HEMORRHAGIC**

OSLER-VAQUEZ DISEASE see **POLYCYTHEMIA VERA**

OSMIUM

Very small fat cell populations determined by a modified osmium tetroxide-urea method. DeMartinis FD. **Am J Physiol** 1985 Jul;249(1 Pt 1):C89-96

Osmium tetroxide postfixation in relation to the crosslinkage and spatial organization of stereocilia in the guinea-pig cochlea. Comis SD, et al. **J Neurocytol** 1985 Feb; 14(1):113-30

Serial sections of Quetol embedded, osmium fixed lung with external reference marks for alignment. McNiff J, et al. **Stain Technol** 1985 May;60(3):181-3

[Cause of tissue swelling during osmification following glutaraldehyde perfusion fixation] Drenhaus U, et al. **Z Mikrosk Anat Forsch** 1985;99(1):146-60 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

The development of the osmiophilic inclusion bodies within the granular pneumocyte of chicken lung. López J, et al. **Anat Rec** 1984 Dec;210(4):597-602

Ultrastructural localization of nucleic acids through several cytochemical techniques on osmium-fixed tissues: comparative evaluation of the different labelings. Bendayan M, et al. **J Histochem Cytochem** 1984 Nov;32(11):1185-91

A sulphide-osmium procedure for detection of metal-containing synaptic boutons in the lizard cerebral cortex. Lopez-Garcia C, et al. **J Neurosci Methods** 1984 Sep;11(4):211-20

A simplified technique for preparing sections of osmium stained myelin sheaths. Benes ES, et al. **Stain Technol** 1985 Mar;60(2):115-6

[Use of the alkaline osmium-iodide technic on cutaneous pigmentary lesions] Trevisan G, et al. **G Ital Dermatol Venereol** 1984 Nov-Dec;119(6):417-20 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Repair of the mouse synovial membrane after chemical synovectomy with osmium tetroxide. Okada Y, et al. **Acta Pathol Jpn** 1984 Jul;34(4):705-14

Osmium-induced alteration in DNA structure. Lukášová E, et al. **Gen Physiol Biophys** 1984 Apr;3(2):175-91

[Demonstration of lipids by imidazole-buffered osmium tetroxide in the odontoblasts and cells of the enamel organ in the rat incisor] Goldberg M, et al. **J Biol Buccale** 1984 Dec;12(4):317-30 (Eng. Abstr.) **(Fre)**

OSMIUM TETROXIDE see under **OSMIUM**

OSMOLAR CONCENTRATION

In vivo effects of acute changes in osmolality and sodium concentration on myocardial contractility. Kozeny GA, et al. **Am Heart J** 1985 Feb;109(2):290-6

Vapor pressure and freezing point osmolality measurements applied to a volatile screen. Draviam EJ, et al. **Am J Clin Pathol** 1984 Dec;82(6):706-9

Serum osmolality in acute intoxication: a prospective clinical study. Pappas AA, et al. **Am J Clin Pathol** 1985 Jul; 84(1):74-9

Osmolality of small-volume intravenous admixtures. Wermeling DP, et al. **Am J Hosp Pharm** 1985 Aug; 42(8):1739-44

Human uterine fluid, examined in undiluted samples for osmolarity and the concentrations of inorganic ions, albumin, glucose, and urea. Casslén B, et al. **Am J Obstet Gynecol** 1984 Dec 1;150(7):877-81

A 2 X 2 factorial experiment of antibiotic concentration and pH on antibacterial activity of gentamicin in urine of low osmolality. Papapetropoulou M. **Chemioterapia** 1984 Feb; 3(1):63-6

Response of plasma vasopressin to changes in extracellular volume and/or plasma osmolality in patients on maintenance hemodialysis. Fasanella d'Amore T, et al. **Clin Nephrol** 1985 Jun;23(6):299-302

Simple diagnosis of diabetes insipidus and antidiuretic hormone excess. Kovács L, et al. **Exp Clin Endocrinol** 1985 Apr;85(2):228-34

Influence of medium osmolality on the in vitro growth of Plasmodium falciparum: a morphologic and radioisotopic study. Dei-Cas E, et al. **In Vitro Cell Dev Biol** 1985 Feb; 21(2):93-8

Extra- and intracellular pH in the brain during seizures and in the recovery period following the arrest of seizure activity. Siesjö BK, et al. **J Cereb Blood Flow Metab** 1985 Mar;5(1):47-57

Solubilization of immune complexes in complement factor deficient sera and the influence of temperature, ionic strength and divalent cations on the solubilization reaction. Baatrup G, et al. **J Clin Lab Immunol** 1984 Aug;14(4):185-9

The defence of plasma osmolality. Ramsay DJ, et al. **J Physiol (Paris)** 1984;79(6):416-20 (31 ref.)

Osmolality of rice water, dextrose-saline solution and formula milk--implication in the management of infantile gastroenteritis. Ho TF, et al. **J Trop Pediatr** 1985 Apr; 31(2):89-92

Variability in osmolality of home prepared formula milk samples. Ho TF, et al. **J Trop Pediatr** 1985 Apr;31(2):92-4

Hyperosmolar oral medication and necrotizing enterocolitis [letter] Mutz AE, et al. **Pediatrics** 1985 Feb;75(2):371-2

[Serum osmolality and osmolal gap in normal Chinese] Huang HW, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Dec; 83(12):1195-207 (Eng. Abstr.) **(Chi)**

[Proposal of a new parameter in intensive therapy: intraerythrocyte osmolality. Experimental note] Perotti V, et al. **Minerva Anestesiol** 1984 Oct;50(10):515-20 (Eng. Abstr.) **(Ita)**

[Electrical responses of the retinal pigment epithelium to hyperosmolarity] Mukoh S. **Nippon Ganka Gakkai Zasshi** 1985 Mar;89(3):482-97 (Eng. Abstr.) **(Jpn)**

[Suppressive effect on the electro-oculographic light rise of the intravenous injection of a hypertonic solution] Wakabayashi K, et al. **Nippon Ganka Gakkai Zasshi** 1985 Mar;89(3):423-7 (Eng. Abstr.) **(Jpn)**

OSMOLARITY see **OSMOLAR CONCENTRATION**

OSMOREGULATION see **WATER-ELECTROLYTE BALANCE**

OSMOSIS

Asymmetry of canine tracheal epithelium: osmotically induced changes. Man SF, et al. **J Appl Physiol** 1984 Nov; 57(5):1338-46

The physico-chemical mechanism of mediated transport. II. Osmotic and isosmotic volume flow. Massaldi HA. **J Theor Biol** 1984 Sep 7;110(1):35-57

DRUG EFFECTS

The role of microtubules and microfilaments in the hydrosmotic response to antidiuretic hormone. Parisi M, et al. **Biochim Biophys Acta** 1985 Jul 25;817(2):333-42

Effect of plasma colloid osmotic pressure on fluid filtration rate in isolated rabbit lungs. Sánchez de León R, et al. **Crit Care Med** 1985 Aug;13(8):668-71

OSMOTIC DIURETICS see **DIURETICS, OSMOTIC**

OSMOTIC FRAGILITY

Inherited phosphofructokinase deficiency in dogs with hyperventilation-induced hemolysis: increased in vitro and in vivo alkaline fragility of erythrocytes. Giger U, et al. **Blood** 1985 Feb;65(2):345-51

Genetic control of red cell osmotic fragility. Norman NK, et al. **J Hered** 1985 Jan-Feb;76(1):31-5

A comparison of values for osmotic fragility of R.B.Cs and persistence test of athletes. Singhal P, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):230-3

Fragility of red blood cells under 31 atmosphere absolute for 14 days. Shiraki K, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 1;5(1):35-47

[A method for the determination of the osmotic fragility of erythrocytes] Koch L, et al. **Z Gesamte Inn Med** 1984 Jun 15;39(12):287-9 (Eng. Abstr.) **(Ger)**

[Micromethod for determining the osmotic resistance of erythrocytes and glucose-6-phosphate dehydrogenase activity] Ragimov AA, et al. **Lab Delo** 1984;(9):520-2 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Effects of some psychotropic drugs on the osmotic stability and membrane expansion of human erythrocyte membrane] Song TS, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar; 6(1):19-24 (Eng. Abstr.) **(Chi)**

RADIATION EFFECTS

Diminished osmotic fragility of mouse erythrocytes following intravenous injection of polymeric plutonium. Joshima H, et al. **J Radiat Res (Tokyo)** 1984 Dec;25(4):290-5

OSMOTIC PRESSURE

Extracellular fluid volume and distribution in relation to changes in plasma colloid osmotic pressure after major surgery. A randomized study. Nielsen OM, et al. **Acta Chir Scand** 1985;151(3):221-5

Correlation between measured and calculated colloid osmotic pressure. Huerta Torrijos J, et al. **Crit Care Med** 1985 Jun; 13(6):504-5

Effects of maintaining normal plasma colloid osmotic pressure on renal function and excretion of sodium and water after major surgery. A randomized study. Nielsen OM, et al. **Dan Med Bull** 1985 Jun;32(3):182-5

The correlation of chemical and osmotic forces in biochemistry. Mitchell P. **J Biochem (Tokyo)** 1985 Jan; 97(1):1-18 (92 ref.)

Supraoptic neurones in Brattleboro rats respond normally to changes in plasma osmotic pressure. Dyball RE, et al. **J Endocrinol** 1985 Apr;105(1):87-90

Osmotic stress mimics effects of vasopressin on learned behaviour. Koob GF, et al. **Nature** 1985 Jun 27-Jul 3; 315(6022):750-2

Factors influencing the determination of colloid osmotic pressure of plasma. Miki K, et al. **Sangyo Ika Daigaku Zasshi** 1983 Dec 1;5(4):405-12

Interstitial fluid volume, plasma volume and colloid osmotic pressure in patients with nephrotic syndrome. Fauchald P, et al. **Scand J Clin Lab Invest** 1984 Nov;44(7):661-7

[A new parameter for congestive heart failure with AMI (acute myocardial infarction)--COP-PCW (colloid osmotic pressure-pulmonary capillary wedge pressure)] Doijiri K, et al. **Kokyu To Junkan** 1984 Dec;32(12):1301-6 (Eng. Abstr.) **(Jpn)**

OSSIFICATION, PATHOLOGIC

see related

SYNOSTOSIS

Disseminated pulmonary ossification. Gortenuti G, et al. **Eur J Radiol** 1985 Feb;5(1):14-6

Intraocular ossification. Monselise M, et al. **Ophthalmologica** 1985;190(4):225-9

CHEMICALLY INDUCED

A serious side-effect of etretinate (Tigason). Sillevis Smitt JH, et al. **Clin Exp Dermatol** 1984 Nov;9(6):554-6

COMPLICATIONS

Ulnar nerve compression by heterotopic ossification in a head-injured patient. Wainapel SF, et al. **Arch Phys Med Rehabil** 1985 Aug;66(8):512-4

[Ossification of multi-vertebral ligaments. Case report] Ueda T, et al. **Neurol Med Chir (Tokyo)** 1985 Feb;25(2):143-8 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Knee effusions heralding ectopic ossification [letter] Nicholas JJ. **J Rheumatol** 1984 Oct;11(5):718

ETIOLOGY

Ectopic bone after hip replacement. Excision and free fat transplants in four cases. Abrahamsson SO, et al. **Acta Orthop Scand** 1984 Dec;55(6):589-92

Labyrinthine ossification secondary to childhood bacterial meningitis: implications for cochlear implant surgery. Becker TS, et al. **AJNR** 1984 Nov-Dec;5(6):739-41

Heterotopic ossification. Incidence and relation to trochanteric osteotomy in 100 total hip arthroplasties. Errico TJ, et al. **Clin Orthop** 1984 Nov;(190):138-41

Spontaneous regression of neurogenic heterotopic ossification. van der Linden AJ. **Int Orthop** 1984;8(1):25-7

[Para-articular ossification after total hip alloplasty] Kjaersgaard-Andersen P, et al. **Ugeskr Laeger** 1984 Nov 5;146(45):3445-8 (Eng. Abstr.) **(Dan)**

[Intraorbital ossification and inflammatory pseudotumor: bone choristoma or metaplastic ossification?] Lepori JC, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):467-72 (Eng. Abstr.) **(Fre)**

[Para-articular (ectopic or heterotopic) ossification following total hip prosthesis] Rudicel S. **Orthopade** 1985 Feb; 14(1):54-7 **(Ger)**

FAMILIAL & GENETIC

HLA antigens [letter] Minaire P. **Arch Phys Med Rehabil** 1985 Mar;66(3):199

PATHOLOGY

Massive heterotopic ossification in breast implant capsules. Peters WJ, et al. **Aesthetic Plast Surg** 1985;9(1):43-5

Reflections on complex problems of the hip in the adolescent. Tachdjian MO. **Bull Hosp Jt Dis Orthop Inst** 1985 Spring; 45(1):1-20

Enthesopathy of the hip joint. Valouch P, et al. **Clin Rheumatol** 1985 Jun;4(2):150-4

Tracheopathia osteoplastica in the larynx. Paaske PB, et al. **J Laryngol Otol** 1985 Mar;99(3):305-10

[Chondro-osteoplastic tracheopathy] Stratilová Z, et al. **Cesk Patol** 1985 Feb;21(1):38-42 (Eng. Abstr.) **(Cze)**

[Tracheobronchopathia osteoplastica] Skjødt K, et al. **Ugeskr Laeger** 1984 Jul 16;146(29):2165 (Eng. Abstr.) **(Dan)**

[Reflections on endometrial osteogenesis. Apropos of 3 cases] Hoang-Ngoc Minh, et al. **Rev Fr Gynecol Obstet** 1984 Jun; 79(6):471-4 (Eng. Abstr.) **(Fre)**

[Primary pulmonary leiomyosarcoma with bone formation] Nishimura T, et al. **Gan No Rinsho** 1985 Jan;31(1):87-90 (Eng. Abstr.) **(Jpn)**

[Anatomical study of the yellow ligament of the spine with special reference to its ossification] Hotta Y. **Nippon Seikeigeka Gakkai Zasshi** 1985 Mar;59(3):311-25 (Eng. Abstr.) **(Jpn)**

[Ossification of the vitreous body (2 cases)] Vasinca M, et al. **Rev Chir [Oftalmol]** 1985 Jan-Mar;29(1):75-7 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Endochondral ossification of the condyle in rats on a strontium or low-calcium diet. Nagayama M, et al. **J Oral Maxillofac Surg** 1985 Sep;43(9):693-703

PREVENTION & CONTROL

Effect of ibuprofen on heterotopic ossification after hip replacement. Elmstedt E, et al. **Acta Orthop Scand** 1985 Feb;56(1):25-7

Results of the administration of diphosphonate for the prevention of heterotopic ossification after total hip arthroplasty. Thomas BJ, et al. **J Bone Joint Surg [Am]** 1985 Mar;67(3):400-3

RADIOGRAPHY

Penile ossification in man. Wespes E, et al. **Eur Urol** 1985; 11(1):71-2

Bone marrow expansion of the thyroid cartilage: a source of confusion with malignant invasion in CT studies. Kavanagh KT, et al. **J Comput Assist Tomogr** 1985 Jan-Feb;9(1):177-9

Computed tomography of calcification and ossification of posterior longitudinal ligament of the spine. Firooznia H, et al. **J Comput Tomogr** 1984 Oct;8(4):317-24

Osteoma cutis: computed tomography appearance. Mahoney PD, et al. **J Comput Tomogr** 1985 Jan;9(1):61-3

Ossification of the posterior longitudinal ligament of the cervical spine. Bhoopat W, et al. **J Med Assoc Thai** 1985 May;68(5):254-9

Cervical myelopathy due to ossification of the posterior longitudinal ligament [letter] Lecky BR, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1355-6

Progressive myelopathy in a 32-year-old man. Chintapalli K. **JAMA** 1985 Apr 19;253(15):2255-7

Heterotopic bone formation in patients with DISH following total hip replacement. Bundrick TJ, et al. **Radiology** 1985 Jun;155(3):595-7

Giant cell tumor: ossification in soft-tissue implants. Cooper KL, et al. **Radiology** 1984 Dec;153(3):597-602

Idiopathic pulmonary ossification. Felson B, et al. **Radiology** 1984 Nov;153(2):303-10

[Tracheobronchopathia osteochondroplastica--computer tomography as a meaningful complement to endoscopic and radiologic diagnosis] Nagy I, et al. **Prax Klin Pneumol** 1985 May;39(5):176-9 (Eng. Abstr.) **(Ger)**

[Ossification of the distal femoral epiphysis. On the question of osteochondrosis dissecans in children] Maurer HJ, et al. **Z Orthop** 1984 Nov-Dec;122(6):803-9 (Eng. Abstr.) **(Ger)**

[Ossification of the posterior longitudinal ligament] Foresti M, et al. **Radiol Med (Torino)** 1984 Jul-Aug;70(7-8):481-4 (Eng. Abstr.) **(Ita)**

[Roentgenological and quantitative microradiographic study on ossification of posterior longitudinal ligament] Tei J. **Nippon Seikeigeka Gakkai Zasshi** 1985 Feb;59(2):153-66 (Eng. Abstr.) **(Jpn)**

[Ossified metastatic transitional cell carcinoma of the urinary bladder] Yashiro N, et al. **Rinsho Hoshasen** 1985 Apr; 30(4):525-7 (Eng. Abstr.) **(Jpn)**

[Periarticular calcification and ossification processes in immobilized patients] Bryc S, et al. **Pol Przegl Radiol (Warszawa)** 1984 Mar-Apr;48(2):79-82 (Eng. Abstr.) **(Pol)**

[Osteochondropathy of the accessory apical nucleus of ossification of the lower pole of the patella] Nikitin MN, et al. **Ortop Travmatol Protez** 1985 Feb;(2):44-5 **(Rus)**

[Chondrodysplasia punctata with anomalous symmetrical ossification of the ulna] Suchánek A, et al. **Cesk Radiol** 1984 Dec;38(6):403-9 (Eng. Abstr.) **(Slo)**

RADIONUCLIDE IMAGING

Diffuse pulmonary ossification detected by bone scanning with Tc-99m hydroxymethylene diphosphate. Saks DA, et al. **Clin Nucl Med** 1984 Oct;9(10):594-5

'Reactivation' of Tc-99m MDP uptake in heterotopic bone. Vento JA, et al. **Clin Nucl Med** 1985 Mar;10(3):206-7

Secondary ossification center of transverse process: a bone-scan normal variant. Shore RM, et al. **Eur J Nucl Med** 1985;10(1-2):88-9

Heterotopic bone formation: clinical, laboratory, and imaging correlation. Orzel JA, et al. **J Nucl Med** 1985 Feb; 26(2):125-32

SURGERY

Treatment of a fractured ossified Achilles tendon. Kernohan J, et al. **J R Coll Surg Edinb** 1984 Jul;29(4):263

[Surgical treatment of ossification of longitudinal ligament] Dong FC, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jan; 23(1):36-7, 63 (Eng. Abstr.) **(Chi)**

[Sternum-splitting approach for ossification of the posterior longitudinal ligament in the cervico-thoracic junction] Yasui T. **No Shinkei Geka** 1984 Aug;12(9):1021-7 (Eng. Abstr.) **(Jpn)**

OSSIFICATION, PHYSIOLOGIC see **OSTEOGENESIS**

OSTEITIS

Postpartum osteitis pubis. Gonik B, et al. **South Med J** 1985 Feb;78(2):213-4

[Pubic osteitis] Mándi A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(2):162-6 (Eng. Abstr.) **(Hun)**

COMPLICATIONS

Tuberculosis and minimal change nephropathy. Jones JM. **Scott Med J** 1984 Apr;29(2):114-6

[Symphisitis abscendens metastatica as an uncommon complication in the puerperium] Košťal M, et al. **Cesk Gynekol** 1984 Nov;49(9):663-4 **(Cze)**

[Complicated panaris. Follow-up study of 97 cases of tendon, articular and osteopanaris] Jensen PO, et al. **Ugeskr Laeger** 1984 Jul 9;146(28):2076-82 (Eng. Abstr.) **(Dan)**

[Petrositis complicated by cavernous sinus thrombosis] Gulin KS. **Vestn Otorinolaringol** 1984 Sep-Oct;(5):66-7 **(Rus)**

[Bilateral obturator neuralgia secondary to osteitis of the pubis] Leno C, et al. **Arch Neurobiol (Madr)** 1984 Nov-Dec; 47(6):347-52 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Osteitis condensans ilii or sacro-iliitis? Withrington RH, et al. **Scand J Rheumatol** 1985;14(2):163–6

[Osteitis leprosa multiplex cystica––an early symptom of lepromatous leprosy] Mende B, et al. **Hautarzt** 1985 Jun; 36(6):347–50 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Aztreonam in the treatment of serious orthopedic infections. Pribyl C, et al. **Am J Med** 1985 Feb 8;78(2A):51–6

ETIOLOGY

Complications of radiation therapy. Dalinka MK, et al. **CRC Crit Rev Diagn Imaging** 1985;23(3):235–67 (76 ref.)

Benign necrotizing osteitis of the external auditory meatus. Youngs R, et al. **J Laryngol Otol** 1985 Aug;99(8):805–8

Deep, late infections associated with internal fixation in children. Highland TR, et al. **J Pediatr Orthop** 1985 Jan–Feb;5(1):59–64

Skeletal presentation of congenital syphilis: case report and review of the literature. Toohey JS. **J Pediatr Orthop** 1985 Jan–Feb;5(1):104–6

Infectious osteitis pubis. Case reports. Lindeque BG, et al. **S Afr Med J** 1985 Apr 27;67(17):689–91

Osteitis of the humerus following BCG vaccination. Al-Arabi KM, et al. **Tubercle** 1984 Dec;65(4):305–7

[Disorders of fracture and osteotomy healing. An analysis of aseptic complications] Giebel G, et al. **Chirurg** 1984 Nov; 55(11):725–30 (Eng. Abstr.) **(Ger)**

[Chronic osteitis of the lower leg] Burri C. **Orthopade** 1984 Sep;13(4):316–23 **(Ger)**

[Anatomo-pathologic and therapeutic considerations on the Papineau method] Caserta S, et al. **Chir Ital** 1982 Oct; 34(5):830–5 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

[Naproxen in acute musculoskeletal injuries. A double-blind placebo controlled study] Bodd E, et al. **Tidsskr Nor Laegeforen** 1985 Apr 20;105(11):744–5 (Eng. Abstr.) **(Nor)**

RADIOGRAPHY

Condensing osteitis of the clavicle. A case report. Weiner SN, et al. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1484–6

RADIONUCLIDE IMAGING

The role of gallium scanning in the detection of bone and joint sepsis. Gavin AT, et al. **Ulster Med J** 1984; 53(2):117–20

THERAPY

[Repair of infected bony defects using calcium phosphate ceramic implants in animals] Decker S. **Unfallchirurg** 1985 May;88(5):250–4 (Eng. Abstr.) **(Ger)**

[Therapy of bone and joint infections] Sakurai M. **Nippon Seikeigeka Gakkai Zasshi** 1985 Apr;59(4):459–76 (124 ref.) **(Jpn)**

[Phagocytic and bactericidal capacity of granulocytes of peripheral blood in patients with chronic post-traumatic osteitis after treatment with staphylococcal anatoxin] Wierzbicki S, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(1):58–63 (Eng. Abstr.) **(Pol)**

[Personal experience in the treatment of osteomyelitis and infected fractures] Huraj E Sr, et al. **Acta Chir Orthop Traumatol Cech** 1985 Jun;52(3):201–11 (Eng. Abstr.) **(Slo)**

OSTEITIS DEFORMANS

BLOOD

Different fibronectin concentrations in plasma samples drawn from the affected and unaffected arms of a pagetic patient. Cutolo M, et al. **J Rheumatol** 1985 Feb;12(1):176–8

[The calcitonin-induced hypocalcemia test. For a simplified protocol (letter)] Eisinger J. **Rev Rhum Mal Osteoartic** 1984 Jul–Sep;51(7–8):439–40 **(Fre)**

[Osteocalcin] Galli M, et al. **Minerva Med** 1984 Nov 3; 75(42):2489–501 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Neoplasms arising in Paget's disease of bone: a study of 82 cases. Haibach H, et al. **Am J Clin Pathol** 1985 May; 83(5):594–600

Ankylosing spondylitis and rheumatoid arthritis in a patient with Paget's disease. Differential effects of indomethacin, D-penicillamine, or gold sodium thiomalate in the respective arthritides. Alarcón-Segovia D, et al. **Arch Intern Med** 1985 Oct;145(10):1915–7

Chordoid sarcoma complicating Paget's disease of bone: a case report and review of the literature. Griffin JF, et al. **Br J Radiol** 1984 Sep;57(682):836–40

Pathological fracture of the humerus in a young adult with Paget's disease of bone. Greiss M, et al. **Injury** 1984 Nov; 16(3):204–6

The correction of mandibular deformity due to Paget's disease of bone. Wiesenfeld D, et al. **J Oral Maxillofac Surg** 1985 Feb;43(2):125–9

Ultrastructural study of intranuclear tubulo-filaments in a giant cell tumour of bone in a patient with Paget's disease. el-Labban NG. **J Oral Pathol** 1984 Dec;13(6):650–60

Hemangiosarcoma complicating Paget's disease of the bone. Chen KT. **J Surg Oncol** 1985 Mar;28(3):187–9

Etidronate and the risk of fractures [letter] Nagant de Deuxchaisnes C, et al. **Lancet** 1985 Sep 14;2(8455):610–1

Intracranial osteogenic sarcoma complicating Paget's disease of bone––case report. Shinonaga M, et al. **Neurol Med Chir (Tokyo)** 1985 Jan;25(1):45–9

Paraplegia in Paget's disease of the vertebral column. A case report. Craig JB, et al. **S Afr Med J** 1985 Jan 19;67(3):103–5

[Dental implications of Paget's disease] Lechien P, et al. **Acta Stomatol Belg** 1985 Jun;82(2):101–9 **(Fre)**

[Paget's osteosarcoma: prevention, diagnosis, attitude, prognosis. Apropos of a case] Reginster JY, et al. **Rev Med Liege** 1985 Jan 15;40(2):68–74 **(Fre)**

[Quiz case. Malignant fibrous histiocytoma in Paget's disease] Ruggieri P, et al. **Chir Organi Mov** 1984;69(1):97–100 **(Ita)**

[Radiological changes caused by osteitis in infancy] Boroń Z, et al. **Pol Przegl Radiol (Warszawa)** 1984 Sep–Oct; 48(5):315–6 (Eng. Abstr.) **(Pol)**

[Cardiac insufficiency as the initial clinical finding in Paget's disease (letter)] Pujadas Capmany R, et al. **Med Clin (Barc)** 1985 Mar 2;84(8):337 **(Spa)**

[Normal pressure hydrocephaly in Paget's disease of the cranium] García Vadillo JA, et al. **Rev Clin Esp** 1984 Jul 15–31;174(1–2):57–8 **(Spa)**

DIAGNOSIS

Paget's disease. Welfare RD. **Br Dent J** 1985 Feb 9; 158(3):90–2

Paget's disease of bone (osteitis deformans). Altman RD. **Bull Rheum Dis** 1984;34(3):1–8

Current concepts of Paget's disease of bone. Merkow RL, et al. **Orthop Clin North Am** 1984 Oct;15(4):747–63

[How to evaluate the activity of Paget's disease in clinical practice and which patients should be treated?] Reiner JC, et al. **Rev Rhum Mal Osteoartic** 1984 Oct;51(9):463–8 (Eng. Abstr.) **(Fre)**

[Paget disease of the skeleton. Internal medicine aspects] Ziegler R, et al. **Radiologe** 1984 Sep;24(9):401–7 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Osteolytic Paget's bone disease in a young man. Rapid healing with human calcitonin therapy. Whyte MP, et al. **Am J Med** 1985 Feb;78(2):326–32

Diphosphonates for otospongiosis. Stutzmann JJ, et al. **Am J Otol** 1985 Jan;6(1):89–95

Clinical experience with the use of two diphosphonates in the treatment of Paget's disease. Dewis P, et al. **Ann Rheum Dis** 1985 Jan;44(1):34–8

Effective oral treatment of severe Paget's disease of bone with APD (3-amino-1-hydroxypropylidene-1,1-bisphosphonate); a comparison with combined calcitonin + EHDP (1-hydroxyethylidene-1,1-bisphosphonate). Fraser TR, et al. **Aust NZ J Med** 1984 Dec;14(6):811–8

Comparative effects of an antiviral drug, inosiplex, and diphosphonates in Paget's disease of bone. Kanis JA, et al. **Bone** 1985;6(2):69–72

Reduction of skeletal blood flow in Paget's disease with disodium etidronate therapy. Walton KR, et al. **Bone** 1985; 6(1):29–31

Monitoring the treatment of Paget's disease with etidronate [editorial] Kanis JA. **Calcif Tissue Int** 1984 Dec; 36(6):629–31

Paget's disease of bone. An update on management. Hosking DJ. **Drugs** 1985 Aug;30(2):156–73

Intravenous clodronate in the treatment and retreatment of Paget's disease of bone. Yates AJ, et al. **Lancet** 1985 Jun 29;1(8444):1474–7

Sequential treatment of Paget's disease with human calcitonin and dichloromethylene diphosphonate (Cl2MDP). Adami S, et al. **Metab Bone Dis Relat Res** 1984;5(6):265–7

[Evolution of Paget's disease of bone during and after treatment with small doses of disodium etidronate (EHDP)] Reginster JY, et al. **Rev Med Liege** 1985 May 15; 40(10):417–22 **(Fre)**

[Osteolysis, then fracture of the femur in a Paget's disease patient treated with high-dose disodium etidronate] Pinel B, et al. **Rev Rhum Mal Osteoartic** 1984 Jul–Sep; 51(7–8):417–8 **(Fre)**

[Treatment of Paget's disease with low dose sodium etidronate (5mg/kg/day). Occurrence of reversible transient suspected leukopenia] Reginster JY, et al. **Rev Rhum Mal Osteoartic** 1985 Mar;52(3):145–50 (Eng. Abstr.) **(Fre)**

[EHDP (ethylidene-1-hydroxy-1,1-diphosphonate) in the treatment of polyosseous Paget disease] Kovarik J, et al. **Wien Klin Wochenschr** 1985 Mar 29;97(7):311–5 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Enzyme replacement therapy for infantile hypophosphatasia attempted by intravenous infusions of alkaline phosphatase-rich Paget plasma: results in three additional patients. Whyte MP, et al. **J Pediatr** 1984 Dec; 105(6):926–33

ETIOLOGY

Viral aetiology of Paget's disease of bone: a review. Harvey L. **J R Soc Med** 1984 Nov;77(11):943–8 (34 ref.)

[Unusual course of renal osteopathy with Paget's disease and aluminum deposits] Ringe JD, et al. **Dtsch Med Wochenschr** 1985 Mar 15;110(11):411–5 (Eng. Abstr.) **(Ger)**

METABOLISM

Abnormal vitamin D metabolism in Paget's disease of bone. Guillard-Cumming DF, et al. **Clin Endocrinol (Oxf)** 1985 Apr;22(4):559–66

OCCURRENCE

The epidemiology of Paget's disease of bone. Barker DJ. **Br Med Bull** 1984 Oct;40(4):396–400 (22 ref.)

Paget's disease of bone in West Germany. Prevalence and distribution. Ziegler R, et al. **Clin Orthop** 1985 Apr; (194):199–204

PATHOLOGY

Coexistence of Paget's disease of bone and rheumatoid arthritis. Acritidis NC, et al. **Clin Exp Rheumatol** 1983 Apr–Jun;1(2):161–3

Paget's sarcoma––with two illustrative cases. Huaux JP, et al. **Clin Rheumatol** 1984 Dec;3(4):459–66

Sudeck-type dystrophy in Paget's disease of bone. An anatomico-radiological approach. Lagier R. **Clin Rheumatol** 1985 Mar;4(1):62–7

[Sarcomatous transformation in Paget's disease of bone. Apropos of 3 case reports] Esselinckx W, et al. **Acta Orthop Belg** 1985 Jan–Feb;51(1):5–17 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Bone and joint symptoms in Paget's disease. Winfield J, et al. **Ann Rheum Dis** 1984 Dec;43(6):769–73

Paget's disease of bone: clinical features and treatment. Zajac AJ, et al. **Clin Exp Rheumatol** 1985 Jan–Mar;3(1):75–88 (47 ref.)

Paget's sarcoma of bone. Yochum TR. **Radiologe** 1984 Sep; 24(9):428–33

[Paget's osteitis deformans. Significance and control] Baldauf G, et al. **Radiologe** 1984 Sep;24(9):408–13 (Eng. Abstr.) **(Ger)**

[Course of Paget's osteodystrophia deformans––exemplified by the roentgen morphology of the cranial bones] Heuck F. **Radiologe** 1984 Sep;24(9):414–21 (Eng. Abstr.) **(Ger)**

[Rare localization of Paget's osteodystrophia deformans in the skeleton] Heuck F, et al. **Radiologe** 1984 Sep; 24(9):422–7 (Eng. Abstr.) **(Ger)**

[A case of Paget's disease found by chance on the examination for blunt trauma] Tajima N, et al. **Rinsho Hoshasen** 1985 Jan;30(1):153–6 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Comparison between visual assessment and quantitative measurement of radioactivity on the bone scintigram in Paget's disease of bone. Vellenga CJ, et al. **Eur J Nucl Med** 1984;9(12):533–7

Dynamic radionuclide study in Paget's disease before and after (Asu1,7) E-calcitonin treatment. Vattimo A, et al. **J Nucl Med Allied Sci** 1984 Jul–Sep;28(3):217–20

A simple method for the assessment of local bone uptake of 99mTc-methylene-diphosphonate. Vattimo A, et al. **J Nucl Med Allied Sci** 1984 Jan–Mar;28(1):23–6

Untreated Paget disease of bone studied by scintigraphy. Vellenga CJ, et al. **Radiology** 1984 Dec;153(3):799–805

Solitary vertebral body uptake on bone scintigraphy: the 'black ivory' vertebrae sign. Greene GS, et al. **Semin Nucl Med** 1985 Jul;15(3):317–21

Crescent sign on radionuclide static brain imaging. Shih WJ, et al. **Semin Nucl Med** 1985 Jan;15(1):67–9

[Studies of the kinetics of bone concentration of mdp-tc 99m in Paget's disease and various treatment methods] de La Rochefoucauld B, et al. **Rev Rhum Mal Osteoartic** 1984 Nov;51(10):575–9 (Eng. Abstr.) **(Fre)**

[Radionuclide imaging of Paget's disease of bone] Yamamoto I, et al. **Rinsho Hoshasen** 1984 Jul;29(7):835–6 **(Jpn)**

THERAPY

[Treatment of Paget's disease by anti-measles vaccination and high dose etidronate (letter)] Renier JC, et al. **Presse Med** 1985 Jun 29;14(26):1430 **(Fre)**

OSTEITIS FIBROSA CYSTICA

ETIOLOGY

Renal-nonresponsive, bone-responsive pseudohypoparathyroidism. A case with normal vitamin D metabolite levels and clinical features of rickets. Dabbagh S, et al. **Am J Dis Child** 1984 Nov;138(11):1030–3

[A case of parathyroid adenoma with generalized decalcification and cyst-like bone changes] Majchrzak K. **Chir Narzadow Ruchu Ortop Pol** 1984;49(1):75–8 (Eng. Abstr.) **(Pol)**

METABOLISM

Parathyroid hormone-like bioactivity in a patient with severe osteitis fibrosa cystica due to malignancy: renotropic actions of a tumour extract as assessed by cytochemical bioassay. Loveridge N, et al. **Clin Endocrinol (Oxf)** 1985 Feb;22(2):135-46

Bone disease in long-term hemodialysis patients with low dialysate aluminium. Grekas DM, et al. **Uremia Invest** 1984; 8(1):9-15

RADIOGRAPHY

Advanced osteitis fibrosa cystica in the absence of phalangeal subperiosteal resorption. A case report and review of the literature. Wagener GW, et al. **S Afr Med J** 1985 Jan 5; 67(1):31-2

OSTEITIS FIBROSA DISSEMINATA see **FIBROUS DYSPLASIA OF BONE**

OSTEO-ONYCHODYSPLASIA, HEREDITARY see **NAIL-PATELLA SYNDROME**

OSTEOARTHRITIS

[Coxarthrosis from the viewpoint of the rheumatologist] Havelka S, et al. **Cas Lek Cesk** 1984 Sep 14;123(37):1141-3 (Eng. Abstr.) **(Cze)**

[Present views on the problem of coxarthrosis] Slavík M. **Cas Lek Cesk** 1984 Sep 14;123(37):1137-40 **(Cze)**

BLOOD

Alcohol consumption in arthritic patients: clinical and laboratory studies. Bradlow A, et al. **Ann Rheum Dis** 1985 Mar;44(3):163-8

The effect of non-steroidal anti-inflammatory therapy on plasma neuropeptide concentrations in patients with osteoarthritis. Brandman S, et al. **Br J Rheumatol** 1985 Feb; 24(1):46-52

COMPLICATIONS

Metabolic bone disease in rheumatoid arthritis and osteoarthritis [letter] Verstraeten A, et al. **Ann Rheum Dis** 1985 Apr;44(4):283-4

Proposed pathogenesis of fibrositis. Wilke WS, et al. **Cleve Clin Q** 1985 Summer;52(2):147-54

Staphylococcus aureus infection complicating haemarthroses in elderly patients. Helliwell M. **Clin Rheumatol** 1985 Mar; 4(1):90-2

Paralysis and unilateral arthritis: is the association established? Needs CJ, et al. **Clin Rheumatol** 1985 Jun; 4(2):176-80

The effect of tiaprofenic acid on blood pressure control in treated hypertensive patients. Smith MD, et al. **Curr Med Res Opin** 1985;9(6):388-93

The coexistence and characteristics of osteoarthritis and osteoporosis. Healey JH, et al. **J Bone Joint Surg [Am]** 1985 Apr;67(4):586-92

Bilateral partial ruptures of the flexor carpi radialis tendon secondary to trapezial arthritis. Bowe A, et al. **J Hand Surg [Am]** 1984 Sep;9(5):738-9

Examination of the pain relieving-effect of intra-arterial No-Spa treatment of coxarthrosis. Barta O, et al. **Ther Hung** 1982;30(2):79-82

[Peristernal inflammatory rheumatism in palmoplantar pustulosis] Le Goff P, et al. **Ann Dermatol Venereol** 1984; 111(8):719-20 **(Fre)**

[Instability of the cervical spine caused by arthrosis. An unusual form of degenerative spondylolisthesis] Deburge A. **Rev Chir Orthop** 1984;70(5):397-9 (Eng. Abstr.) **(Fre)**

[Clinical aspects of osteoarticular pathology. Arthritic and algodystrophic manifestations in a case of akineto-rigid Parkinson syndrome] Foidart-Dessalle M, et al. **Rev Med Liege** 1985 Jan 1;40(1):25-8 **(Fre)**

[Physiopathology of uncarthrosis] Del Sasso L, et al. **Chir Ital** 1984 Apr;36(2):283-9 (Eng. Abstr.) **(Ita)**

[Tibial osteotomy in the therapy of the arthritic genu varum] Gualtieri G, et al. **Chir Organi Mov** 1982-83;68(4-6):561-80 (Eng. Abstr.) **(Ita)**

[Arthrosis with an unusual localization as a cause of severe thoracic pain] Fahlgren H, et al. **Lakartidningen** 1985 May 29;82(22):2066-7 **(Swe)**

DIAGNOSIS

Metastatic bronchogenic carcinoma simulating osteoarthritis. Wendt D, et al. **Henry Ford Hosp Med J** 1985;33(1):39-40

Four cases of 'Milwaukee shoulder,' with a description of clinical presentation and long-term treatment. Weiss JJ, et al. **J Am Geriatr Soc** 1985 Mar;33(3):202-5

Diabetic amyotrophy. A case report. Flatow EL, et al. **J Bone Joint Surg [Am]** 1985 Sep;67(7):1132-5

SLAC wrist [letter] Resnick D. **J Hand Surg [Am]** 1985 Jan; 10(1):154-5

Osteoarthritis X: Cervical spondylosis. Ziminski CM. **Md Med J** 1985 Jul;34(7):683-6

Osteoarthritis III: clinical features. Blotzer JW. **Md State Med J** 1984 Nov;33(11):907-10

Growing pains. Berry JJ. **NC Med J** 1984 Sep;45(9):563-6

Sonographic evaluation of the cartilage of the knee. Aisen AM, et al. **Radiology** 1984 Dec;153(3):781-4

[Diagnostic and therapeutic differences between primary and secondary coxarthrosis and femur head necrosis] Kubát R, et al. **Acta Chir Orthop Traumatol Cech** 1984 Jul; 51(4):288-91 (Eng. Abstr.) **(Cze)**

[Acute hip disease in children. Diagnostic deliberations] Rud B, et al. **Ugeskr Laeger** 1984 Jul 16;146(29):2160-2 (Eng. Abstr.) **(Dan)**

[Sternocostoclavicular hyperostosis—pustular arthro-osteitis—pustulosis palmaris et plantaris: an extreme enthesiopathic form of psoriatic spondylarthritis] Schilling F, et al. **Z Rheumatol** 1985 Jan-Feb;44(1):483 **(Ger)**

[Differential diagnosis of arthritis and arthrosis] Astapenko MG. **Klin Med (Mosk)** 1984 Sep;62(9):128-34 **(Rus)**

[Disability dynamics and specialized employment of osteoarthrosis deformans patients] Tarasov AN, et al. **Ter Arkh** 1985;57(1):93-6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Nonsteroidal anti-inflammatory drugs, arthritis, and gastrointestinal bleeding in elderly in-patients. Caradoc-Davies TH. **Age Ageing** 1984 Sep;13(5):295-8

Pain and inflammation. Calin A. **Am J Med** 1984 Sep 10; 77(3A):9-16

Use of D-penicillamine in osteoarthrosis [letter] Hill J, et al. **Ann Rheum Dis** 1985 Apr;44(4):284-5

Mefenamic acid and diclofenac sodium in osteoarthritis of the weight bearing joints: a double blind comparison. Aylward M, et al. **Br J Clin Pract** 1985 Apr;39(4):135-9

Differential effects of two non steroidal anti-inflammatory drugs on the plasma urea of elderly patients with osteoarthritis. A multicentre study. Vandenburg MJ, et al. **Br J Clin Pract** 1984 Nov-Dec;38(11-12):403-6

A comparison of naproxen and diclofenac sodium in the treatment of osteoarthritis in elderly patients. Vetter G. **Br J Clin Pract** 1985 Jul;39(7):276-81

Timing optimizes sustained-release indomethacin treatment of osteoarthritis. Levi F, et al. **Clin Pharmacol Ther** 1985 Jan;37(1):77-84

Effects of age and disease on the pharmacokinetics and pharmacodynamics of sulindac. Sitar DS, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):228-34

Isoxicam. Downie WW, et al. **Clin Rheum Dis** 1984 Aug; 10(2):385-99 (93 ref.)

Routine drug treatment of osteoarthritis. Doyle DV, et al. **Clin Rheum Dis** 1984 Aug;10(2):277-91 (56 ref.)

Tiaprofenic acid. Poletto B. **Clin Rheum Dis** 1984 Aug; 10(2):333-51 (69 ref.)

Outcome measurement in osteoarthritis clinical trials: the case for standardisation. Bellamy N, et al. **Clin Rheumatol** 1984 Sep;3(3):293-303

Piroxicam suppositories for the treatment of acute and chronic rheumatic diseases [letter] Van Ouwenaller C, et al. **Clin Rheumatol** 1985 Mar;4(1):98-100

An open study of 1.5 g naproxen daily in osteoarthritis. Berry H, et al. **Curr Med Res Opin** 1985;9(6):366-70

A double-blind, parallel study of tenoxicam and piroxicam in patients with osteoarthrosis. Bird HA, et al. **Curr Med Res Opin** 1985;9(8):529-35

A double-blind comparison of meptazinol versus placebo in chronic rheumatoid arthritis and osteoarthritis. Fancourt GJ, et al. **Curr Med Res Opin** 1984;9(3):184-91

Comparison of a slow-release indomethacin tablet and naproxen in osteoarthrosis. Gordin A, et al. **Curr Med Res Opin** 1985;9(7):500-4

Comparison of slow-release indomethacin and diflunisal in patients with arthrosis. Gordin A, et al. **Curr Med Res Opin** 1984;9(4):275-9

Multicentre clinical study with flunoxaprofen in osteoarthritis: preliminary data on 154 patients. Forgione A, et al. **Int J Clin Pharmacol Res** 1985;5(1):51-8

Double-blind multicentre study of the activity of S-adenosylmethionine in hip and knee osteoarthritis. Glorioso S, et al. **Int J Clin Pharmacol Res** 1985;5(1):39-49

A controlled comparison of tiaprofenic acid and ibuprofen in osteoarthritis. Lambert JR, et al. **Int J Clin Pharmacol Res** 1985;5(3):161-4

Efficacy and safety of nabumetone in long-term treatment of osteoarthritis. Verbruggen LA, et al. **Int J Tissue React** 1984;6(4):339-42

The modulation of osteoarthritic development by vitamins C and E. Schwartz ER. **Int Z Vitam Ernahrungsforsch [Beih]** 1984;26:141-6

The effect of tolmetin on the chronic pain and decreased functional capacity associated with degenerative joint disease. Amadio P Jr, et al. **J Clin Pharmacol** 1985 Mar; 25(2):100-8

Clinical trial of glucosamine compounds for osteoarthrosis of knee joints. Vajranetra P. **J Med Assoc Thai** 1984 Jul; 67(7):409-18

Piroxicam vs indomethacin: a double blind multicenter comparative study in osteoarthritis. A Canadian Multicenter Study. **J Rheumatol** 1985 Apr;12(2):328-36

Aspirin dosing using 15 grain enteric coated tablets. Pollet S, et al. **J Rheumatol** 1985 Apr;12(2):337-42

Acetabular bone destruction related to non-steroidal anti-inflammatory drugs. Newman NM, et al. **Lancet** 1985 Jul 6;2(8445):11-4

A clinical evaluation of isoxicam in the treatment of osteo-arthritis. Learmonth ID, et al. **S Afr Med J** 1985 Feb 23;67(8):288-90

Isoxicam and indomethacin in acute osteo-arthritis. A GP multicentre double-blind comparison. Levenstein JH. **S Afr Med J** 1985 Apr 27;67(17):676-9

Hip joint distension in osteoarthrosis. A triple-blind controlled study comparing the effect of intra-articular indoprofen with placebo. Egsmose C, et al. **Scand J Rheumatol** 1984;13(3):238-42

Clinical perspectives in rheumatology: a review of three common forms of arthritis and results of United States trials with isoxicam. Calabro JJ, et al. **Singapore Med J** 1985 Feb;26(1):17-28

Intra-arterial use of No-Spa+lidocaine in coxarthrosis. Tantó Z, et al. **Ther Hung** 1982;30(3):134-6

[Initial therapy of activated coxarthrosis and gonarthrosis using pirprofen. Double-blind study versus indomethacin] Bachmann F, et al. **Fortschr Med** 1985 Feb 26; 103(7A):179-81 (Eng. Abstr.) **(Ger)**

[Acemetacin in the treatment of arthroses of the hip and knee joints. Results of a double blind trial compared with piroxicam] Kronhagel R. **Fortschr Med** 1985 Feb 7; 103(5):99-103 (Eng. Abstr.) **(Ger)**

[Pirprofen in patients with arthrosis. Double-blind study versus indomethacin] Manz G. **Fortschr Med** 1985 Feb 26; 103(7A):176-8 (Eng. Abstr.) **(Ger)**

[Clinical trials with pirprofen and naproxen in patients with gonarthrosis and coxarthrosis] Sekker W, et al. **Fortschr Med** 1985 Feb 26;103(7A):182-4 (Eng. Abstr.) **(Ger)**

[Therapy of psoriatic osteoarthropathy with EHDP] Holzmann H, et al. **Hautarzt** 1985 Jun;36(6):326-30 (Eng. Abstr.) **(Ger)**

[Non-steroid anti-inflammatory drugs and beta-endorphin] Di Matteo L, et al. **Boll Soc Ital Biol Sper** 1985 May 30; 61(5):769-75 (Eng. Abstr.) **(Ita)**

[Diacetylrhein in the treatment of degenerative arthropathies] Adami S, et al. **Clin Ter** 1985 Mar 15;112(5):439-43 (Eng. Abstr.) **(Ita)**

[Efficacy and tolerance of dexindoprofen compared with diclofenac sodium in the treatment of osteoarthrosis patients] Fornasari PA, et al. **Clin Ter** 1985 Apr 30; 113(2):125-33 (Eng. Abstr.) **(Ita)**

[Calcitonin in the treatment of coxarthrosis] Gospodinoff A, et al. **Clin Ter** 1984 Jul 31;110(2):129-33 (Eng. Abstr.) **(Ita)**

[Evaluation of the efficacy and tolerance of a new non-steroidal anti-inflammatory agent, isoxicam] Marcolongo R, et al. **Clin Ter** 1984 Dec 31;111(6):513-9 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of a new anti-inflammatory agent (Isoxicam) in osteoarthritis] Cervellin G, et al. **G Clin Med** 1984 Nov-Dec;65(11-12):523-30 (Eng. Abstr.) **(Ita)**

[Artificial synovial fluid for the intra-articular treatment of rheumatoid arthritis and osteoarthritis (chemical synthesis and clinico-experimental and biomechanical data)] Vadilenkaitis VV, et al. **Ter Arkh** 1984;56(11):73-7 (Eng. Abstr.) **(Rus)**

[Use of lithium electrophoresis in the combined treatment of patients with rheumatoid arthritis and osteoarthrosis deformans] Petrov NM, et al. **Vrach Delo** 1984 Nov; (11):35-7 (Eng. Abstr.) **(Rus)**

[Results of a 2-year double-blind study on the intramuscular administration of Arteparon in patients with coxarthrosis] Zbojanová M, et al. **Bratisl Lek Listy** 1984 Sep; 82(3):1134-41 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Detection by the PAP technique of lysozyme-containing synoviocytes and their quantity in rheumatoid arthritis and osteoarthrosis. Geiler G, et al. **Histochem J** 1985 May; 17(5):562-3

Degradative enzyme systems in osteoarthritic cartilage. Ehrlich MG. **J Orthop Res** 1985;3(2):170-84

Matrix vesicle enzymes in human osteoarthritis. Einhorn TA, et al. **J Orthop Res** 1985;3(2):160-9

Phospholipase A2 activity in sera and synovial fluids in rheumatoid arthritis and osteoarthritis. Its possible role as a proinflammatory enzyme. Pruzanski W, et al. **J Rheumatol** 1985 Apr;12(2):211-6

[Changes in enzyme activity in cartilage and subchondral bone in experimental osteoarthrosis] Rohožková D, et al. **Cas Lek Cesk** 1985 Jul 12;124(28):876-9 (Eng. Abstr.) **(Cze)**

[Histoenzymatic characteristics of the articular cartilage in ontogeny and in osteoarthrosis deformans] Tverdynin MS, et al. **Arkh Patol** 1985;47(1):19-24 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Residual deformities related to arthrotic change after Perthes' disease. A long-term follow-up of fifty-one cases. Saito S, et al. **Arch Orthop Trauma Surg** 1985;104(1):7-14

Total hip replacement combined with bone grafting for acetabular dysplasia causing severe osteoarthritis of the hip joint. Dooley BJ, et al. **Aust NZ J Surg** 1985 Apr; 55(2):195-8

Synovitis after surgical division of the anterior cruciate ligament of the dog. Gardner DL, et al. **Clin Exp Rheumatol** 1984 Jan-Mar;2(1):11-5

The effect of internal fixation without arthrodesis on human facet joint cartilage. Kahanovitz N, et al. **Clin Orthop** 1984 Oct;(189):204-8

The effect of running on the pathogenesis of osteoarthritis of the hips and knees. Sohn RS, et al. **Clin Orthop** 1985

Sep;(198):106-9

Osteo-arthrosis of the wrist. Fisk GR. **Clin Rheum Dis** 1984 Dec;10(3):571-88

Juxta-acetabular mucoid cyst in a patient with osteoarthritis of the hip secondary to dysplasia. Lagier R, et al. **Int Orthop** 1984;8(1):19-23

The natural history of scaphoid non-union. A review of fifty-five cases. Ruby LK, et al. **J Bone Joint Surg** [Am] 1985 Mar;67(3):428-32

Posttraumatic sesamoid arthritis of the metacarpophalangeal joint of the thumb. Trumble TE, et al. **J Hand Surg** [Am] 1985 Jan;10(1):94-100

Effects of mechanical loading on the tissues of the rabbit knee. Radin EL, et al. **J Orthop Res** 1984;2(3):221-34

Knee joint in soccer players: osteoarthritis and axis deviation. Chantraine A. **Med Sci Sports Exerc** 1985 Aug;17(4):434-9

[Pre-arthrosis conditions of the hip joint in children] Dungl P. **Cas Lek Cesk** 1984 Sep 14;123(37):1148-51 (Eng. Abstr.) **(Cze)**

[Sacroiliitis caused by common germs. Apropos of 2 cases] Steimle R, et al. **Chirurgie** 1984;110(6-7):635-42 (Eng. Abstr.) **(Fre)**

[The treatment of purulent gonarthritis. Case reports] Petzold E. **Beitr Orthop Traumatol** 1985 Jan;32(1):34-40 (Eng. Abstr.) **(Ger)**

[Secondary interventions following injuries of the upper ankle joint] Durbin F. **Unfallchirurgie** 1985 Jun;11(3):147-9 (Eng. Abstr.) **(Ger)**

[Late prognosis of Perthes' disease: which factors determine arthritis risk?] Engelhardt P. **Z Orthop** 1985 Mar-Apr; 123(2):168-81 (Eng. Abstr.) **(Ger)**

[Histological research on the pathogenesis of fibrocartilaginous reactions of the temporomandibular joint and a discussion of the etiological factors in chronic osteoarthritis deformans] Pinkert R. **Zahn Mund Kieferheilkd** 1985;73(1):35-46 (Eng. Abstr.) **(Ger)**

[Diabetic osteoarthropathy. Considerations on a clinical case] Varotti C, et al. **G Ital Dermatol Venereol** 1985 Jan-Feb; 120(1):79-81 (Eng. Abstr.) **(Ita)**

[Risk factors in the development of secondary coxarthrosis] Rybak K, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(1):40-2 (Eng. Abstr.) **(Pol)**

[Endoprosthesis in protrusion coxarthrosis] Kulish NI, et al. **Ortop Travmatol Protez** 1984 Jul;(7):12-6 (Eng. Abstr.) **(Rus)**

[Role of the regional blood circulation in the pathogenesis of osteoarthrosis deformans] Askarov AF. **Revmatologiia (Moskva)** 1985 Jan-Mar;(1):27-30 (Eng. Abstr.) **(Rus)**

[Clinico-laboratory characteristics of synovitis in osteoarthrosis deformans] Astapenko MG, et al. **Revmatologiia (Moskva)** 1984 Oct-Dec;(4):10-4 (Eng. Abstr.) **(Rus)**

[Osteoarthrosis deformans caused by fluorides and muscular overstrain in industrial workers] Zislin DM, et al. **Revmatologiia (Moskva)** 1984 Jul-Sep;(3):32-5 (Eng. Abstr.) **(Rus)**

[Etiology of diseases of the hip joint in children] Timofeeva MI. **Vestn Khir** 1984 Aug;133(8):106-9 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

HLA and Heberden's nodes in Mexican Mestizos [letter] Benavides G, et al. **Clin Rheumatol** 1985 Mar;4(1):97-8

HISTORY

[The man behind the syndrome: William Heberden. One of the great 18th century physicians and writers with knowledge impressive even today] Hedfors E. **Lakartidningen** 1985 Jan 30;82(5):312 **(Swe)**

IMMUNOLOGY

Autoantibody specificities of immune complexes sequestered in articular cartilage of patients with rheumatoid arthritis and osteoarthritis. Jasin HE. **Arthritis Rheum** 1985 Mar; 28(3):241-8

Association of rheumatoid arthritis and primary osteoarthritis with changes in the glycosylation pattern of total serum IgG. Parekh RB, et al. **Nature** 1985 Aug 1-7; 316(6027):452-7

Distribution of mast cells in human synovial tissue of patients with osteoarthritis and rheumatoid arthritis. Fritz P, et al. **Z Rheumatol** 1984 Nov-Dec;43(6):294-8

[The GOX-anti-GOX(PAP) technic, a new method for the demonstration of adjacent antigens in the same section] Fritz P, et al. **Acta Histochem [Suppl] (Jena)** 1985;31:225-8 **(Ger)**

[Immunity in arthrosis deformans of the knee joint] Goriachev AN, et al. **Ortop Travmatol Protez** 1985 Feb; (2):33-7 (Eng. Abstr.) **(Rus)**

[Immune complexes in various orthopedic diseases] Okuneva LM, et al. **Ortop Travmatol Protez** 1985 May;(5):27-30 (Eng. Abstr.) **(Rus)**

METABOLISM

Subchondral PO2 and PCO2 are unaffected in experimental arthrosis. Svalastoga E, et al. **Acta Orthop Scand** 1984 Oct; 55(5):514-6

Acute synovitis with intra-articular apatite deposits in an osteoarthritic metacarpophalangeal joint. Gerster JC, et al. **Ann Rheum Dis** 1985 Mar;44(3):207-10

Synovial fluid crystals in osteoarthritis. Gibilisco PA, et al. **Arthritis Rheum** 1985 May;28(5):511-5

Proteoglycan depletion, rather than fibrillation, determines the effects of salicylate and indomethacin on osteoarthritic cartilage. Palmoski MJ, et al. **Arthritis Rheum** 1985 May; 28(5):548-53

Changes in the chondroitin sulfate-rich region of articular cartilage proteoglycans in experimental osteoarthritis. Cox MJ, et al. **Biochim Biophys Acta** 1985 Jun 18;840(2):228-34

Measurement of proteoglycans, elastase, collagenase and protein in synovial fluid in inflammatory and degenerative arthropathies. Gysen P, et al. **Clin Rheumatol** 1985 Mar; 4(1):39-50

Biosynthesis of sulfated proteoglycan in vitro by cells derived from human osteochondrophytic spurs of the femoral head. Malemud CJ, et al. **Connect Tissue Res** 1984;12(3-4):319-35

Identification of fibronectin in preparations of osteoarthritic human cartilage. Miller DR, et al. **Connect Tissue Res** 1984; 12(3-4):267-75

Structure of newly synthesised (35S)-proteoglycans and (35S)-proteoglycan turnover products of cartilage explant cultures from dogs with experimental osteoarthritis. Carney SL, et al. **J Orthop Res** 1985;3(2):140-7

Demonstration of increased proteoglycan turnover in cartilage explants from dogs with experimental osteoarthritis. Carney SL, et al. **J Orthop Res** 1984; 2(3):201-6

Correlation of histopathology and sulfated proteoglycans in human osteoarthritic hip cartilage. Goldberg VM, et al. **J Orthop Res** 1984;1(3):302-12

Transmission electron microscopic studies on articular calcium crystals and associated protein coatings. Schumacher HR, et al. **Scan Electron Microsc** 1984;(Pt 2):965-8

A method for the quantification of cartilage proteoglycan structures liberated to the synovial fluid during developing degenerative joint disease. Heinegård D, et al. **Scand J Clin Lab Invest** 1985 Sep;45(5):421-7

Effects of sodium diclofenac on glycosaminoglycan metabolism in experimental osteoarthritis in rabbits. Eronen I, et al. **Scand J Rheumatol** 1985;14(1):37-42

Cell interactions in osteoarthritis: proposed role for cartilage-derived growth factor. Hamerman D, et al. **Trans Assoc Am Physicians** 1983;96:316-23 (42 ref.)

MICROBIOLOGY

[Osteoarthritis and tenosynovitis of the finger due to Mycobacterium intracellulare. A case report and review of the literature] Demoulin L, et al. **Pathol Biol (Paris)** 1984 Nov;32(9):965-8 (Eng. Abstr.) **(Fre)**

MORTALITY

The overall mortality rate in patients with total hip arthroplasty, with special reference to coxarthrosis. Lindberg H, et al. **Clin Orthop** 1984 Dec;(191):116-20

OCCURRENCE

Prevalence of coxarthrosis. Danielsson L, et al. **Clin Orthop** 1984 Dec;(191):110-5

The relation between labor and coxarthrosis. Lindberg H, et al. **Clin Orthop** 1984 Dec;(191):159-61

Mseleni joint disease in 1981: decreased prevalence rates, wider geographical location than before, and socioeconomic impact of an endemic osteoarthrosis in an underdeveloped community in South Africa. Yach D, et al. **Int J Epidemiol** 1985 Jun;14(2):276-84

Surface morphology of Asian cadaveric hips. Das De S, et al. **J Bone Joint Surg [Br]** 1985 Mar;67(2):225-8

Osteoarthritis I: epidemiology. Scott JC, et al. **Md State Med J** 1984 Sep;33(9):712-6 (40 ref.)

Arthrosis and its relation to work. Anderson JA. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):429-33

PATHOLOGY

Osteoarthritis. Emerging evidence for cell interactions in the breakdown and remodeling of cartilage. Hamerman D et al. **Am J Med** 1985 Mar;78(3):495-9

Role of synovial membrane inflammation in cartilage matrix breakdown in the Pond-Nuki dog model of osteoarthritis. Pelletier JP, et al. **Arthritis Rheum** 1985 May;28(5):554-61

Histomorphometric changes in the trabecular structure of a selected stress region in the femur in patients with osteoarthritis and fracture of the femoral neck. Fazzalari NL, et al. **Bone** 1985;6(3):125-33

Pathologic features of the femoral head in Mseleni disease. Sokoloff L, et al. **Hum Pathol** 1985 Feb;16(2):117-20

Pathological aspects of osteoarthritis related to surgery. Tillmann K. **Inflammation** 1984 Jun;8 Suppl:S57-74 (114 ref.)

Hallux sesamoid bones. Anatomical observations with special reference to osteoarthritis and hallux valgus. Aseyo D, et al. **Int Orthop** 1984;8(1):67-73

The importance of the angle of anteversion in the development of arthritis of the hip. Giunti A, et al. **Ital J Orthop Traumatol** 1985 Mar;11(1):23-7

Focal lacunar resorption in the articular cartilage of femoral heads. Lothe K, et al. **J Bone Joint Surg [Br]** 1985 Aug; 67(4):543-7

Osteoarthritis of the temporomandibular joint: a light microscopic and scanning electron microscopic study of the articular cartilage of the mandibular condyle. De Bont LG, et al. **J Oral Maxillofac Surg** 1985 Jul;43(7):481-8

Altered orientation of glycosaminoglycans and cellular changes in the tibial cartilage in the first two weeks of experimental canine osteoarthritis. Dunham J, et al. **J Orthop Res** 1985;3(3):258-68

Labeling of articular cartilage surface with cationized ferritin: aged human normal and osteoarthritic cartilage. Stanescu R, et al. **J Orthop Res** 1984;2(2):151-60

Autopsy study correlating degree of osteoarthritis, synovitis and evidence of articular calcification. Gordon GV, et al. **J Rheumatol** 1984 Oct;11(5):681-6

Histochemical and cellular changes induced in the rabbit knee joint by an intraarticular implantation of a sheet of polyethylene. Mitrovic DR, et al. **Lab Invest** 1985 Aug; 53(2):228-39

Osteoarthritis II: pathology and pathogenesis. Ettinger WH Jr. **Md State Med J** 1984 Oct;33(10):811-4

Inflammatory involvement in rabbit knee following immobilization and resulting in osteoarthritis. Michelsson JE, et al. **Scand J Rheumatol** 1984;13(3):273-81

Analysis of mast cells in rheumatoid arthritis and osteoarthritis by an avidin-peroxidase staining. Fritz P, et al. **Virchows Arch [Cell Pathol]** 1984;47(1):35-45

[Advances of pathologic research in Kaschin-Beck disease] Mo DX. **Chung Hua Fang She Hsueh Tsa Chih** 1984 May; 18(2):90-4 (Eng. Abstr.) **(Chi)**

[A correlative study on X-ray and pathologic changes in Kashin-Beck disease] Wang YZ. **Chung Hua I Hsueh Tsa Chih** 1984 Jun;64(6):357-9 (Eng. Abstr.) **(Chi)**

[Changes in the shape and structure of the femoral head in coxarthrosis] Tesárek B, et al. **Acta Chir Orthop Traumatol Cech** 1985 Feb;52(1):11-9 (Eng. Abstr.) **(Cze)**

[Cellular aspects of the aging of the articular cartilage. II. Condylar cartilage with fissured surface taken from normal and arthritic knees] Quintero M, et al. **Rev Rhum Mal Osteoartic** 1984 Oct;51(9):445-9 (Eng. Abstr.) **(Fre)**

[Characteristic morphological changes of the M. vastus lateralis in gonarthrosis (gonarthromuscular tissue pattern)] Ziegan J, et al. **Beitr Orthop Traumatol** 1985 Jan;32(1):26-9 (Eng. Abstr.) **(Ger)**

[Changes in the patellar articular facet in Blauth's endoprosthetic substitution of the knee joint. Histological and roentgenological studies of 3 patellas] Koebke J, et al. **Z Orthop** 1985 Jan-Feb;123(1):107-9 (Eng. Abstr.) **(Ger)**

[Comparative studies on necrosis susceptibility of capsular tissue in arthrosis and endoprosthetic joint replacement] Lintner F, et al. **Z Orthop** 1984 Sep-Oct;122(5):686-91 (Eng. Abstr.) **(Ger)**

[Proliferative and metaplastic reactions as tentative reparatory processes in spontaneous arthritis in the mouse] Wilhelmi G, et al. **Z Rheumatol** 1984 Sep-Oct;43(5):241-8 (Eng. Abstr.) **(Ger)**

[Ultrastructure of arthrotic lesions of joint cartilage] Mul'diiarov PIa. **Ortop Travmatol Protez** 1984 Oct; (10):67-70 (34 ref.) **(Rus)**

PHYSIOPATHOLOGY

Motion of the center of gravity of the body in clinical evaluation of gait. Tesio L, et al. **Am J Phys Med** 1985 Apr;64(2):57-70

Cartilage surface charge. A possible determinant in aging and osteoarthritic processes. Laver-Rudich Z, et al. **Arthritis Rheum** 1985 Jun;28(6):660-70

Studies of hydration and swelling pressure in normal and osteoarthritic cartilage. Maroudas A, et al. **Biorheology** 1985;22(2):159-69

The role of collagen fibrils in the pathogenesis of osteoarthrosis [letter] Cenacchi G, et al. **Clin Exp Rheumatol** 1985 Jan-Mar;3(1):91-3

Cartilage--bone interface. Millington PF. **Eng Med** 1984 Jul; 13(3):133-6

Osteoarthritis: pathophysiology, clinical features, management. Hochberg MC. **Hosp Pract [Off]** 1984 Dec; 19(12):41-53

Osteoarthritis--an inflammatory disease? Katona G. **Int J Tissue React** 1984;6(6):453-61

Osteoarthritic gait dynamics from force-plate measurements. Khodadadeh S. **J Biomed Eng** 1984 Oct;6(4):315-7

A new method to measure rotation in the hip joint [letter] Axmacher B, et al. **J Occup Med** 1985 Apr;27(4):236-7

A question of logic [letter] Cooke TD. **J Rheumatol** 1985 Feb;12(1):189-90

Rheumatoid arthritis and osteoarthritis synovial fluid effects on primary human endothelial cell cultures. Semble EL, et al. **J Rheumatol** 1985 Apr;12(2):237-41

Biomechanical analysis for osteoarthritis of the ankle. Noguchi K. **Nippon Seikeigeka Gakkai Zasshi** 1985 Feb; 59(2):215-22

Rate and range of knee motion during ambulation in healthy and arthritic subjects. Brinkmann JR, et al. **Phys Ther** 1985 Jul;65(7):1055-60

Osteoarthritis: a review of the cell biology involved and evidence for reversibility. Management rationally related to known genesis and pathophysiology. Bland JH, et al.

Semin Arthritis Rheum 1984 Nov;14(2):106–33 (177 ref.)

[Femur head necrosis as a prearthrotic deformity] Dürrschmidt V, et al. **Beitr Orthop Traumatol** 1985 Feb; 32(2):84–8 (Eng. Abstr.) **(Ger)**

[Influence of the patella on the equilibrium of the knee joint. Mutual effects of patellar and femorotibial arthrosis] Grammont P. **Orthopade** 1985 Jun;14(3):193–202 **(Ger)**

[Statistical evaluation of podograms of patients with bilateral coxarthrosis] Tvardovskaia SP, et al. **Ortop Travmatol Protez** 1985 Feb;(2):17–9 (Eng. Abstr.) **(Rus)**

[Peripheral circulation in deforming arthrosis] Kotel'nikov VP. **Vestn Khir** 1984 Aug;133(8):64–7 (Eng. Abstr.) **(Rus)**

[Disorders of peripheral innervation in coxarthrosis] Varga G, et al. **Acta Chir Orthop Traumatol Cech** 1984 Oct; 51(5):421–5 (Eng. Abstr.) **(Slo)**

PREVENTION & CONTROL

The measurement iterative loop: a framework for the critical appraisal of need, benefits and costs of health interventions. Tugwell P, et al. **J Chronic Dis** 1985;38(4):339–51

PSYCHOLOGY

Life satisfaction, health control orientation, and illness-related factors in persons with osteoarthritis. Laborde JM, et al. **Res Nurs Health** 1985 Jun;8(2):183–90

Development of an instrument to explore psychological mediators of outcome in chronic arthritis. Shoor SM, et al. **Trans Assoc Am Physicians** 1984;97:325–31

RADIOGRAPHY

Osteoarthritis of the glenohumeral joint: a radiologic-pathologic study. Kerr R, et al. **AJR** 1985 May; 144(5):967–72

Unusual erosive osteoarthropathy of a single midcarpal joint [letter] Balague F, et al. **Clin Exp Rheumatol** 1985 Jan–Mar; 3(1):89–90

Complications of scaphoid silicone arthroplasty. Kleinert JM, et al. **J Bone Joint Surg [Am]** 1985 Mar;67(3):422–7

The incidence of fabellae in osteoarthrosis of the knee. Pritchett JW. **J Bone Joint Surg [Am]** 1984 Dec; 66(9):1379–80

Hand osteoarthropathy in pianists. Bard CC, et al. **J Can Assoc Radiol** 1984 Jun;35(2):154–8

Erosive osteoarthritis in males [letter] Parhami N. **J Rheumatol** 1985 Feb;12(1):182–3

Osteoarthritis IV: radiologic manifestations. Holt PA. **Md State Med J** 1984 Dec;33(12):995–8

[Pathologic interpretation of basic X-ray signs in Kaschin-Beck's disease] Mo DX. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Apr;19(2):87–92 (Eng. Abstr.) **(Chi)**

[The pathology and evolution of the X-ray signs of the bone and cartilage in Kaschin-Beck disease] Wang YZ. **Chung Hua Fang She Hsueh Tsa Chih** 1984 May;18(2):81–4 (Eng. Abstr.) **(Chi)**

[Evolution of the X-ray signs and classification of Kaschin-Beck disease] Ying MX. **Chung Hua Fang She Hsueh Tsa Chih** 1984 May;18(2):85–9 (Eng. Abstr.) **(Chi)**

[Radiography of coxarthrosis] Sprindrich J. **Cas Lek Cesk** 1984 Sep 14;123(37):1144–7 (Eng. Abstr.) **(Cze)**

[Development of coxarthrosis following intertrochanteric displacement osteotomy as seen in the roentgen film] Reichel F. **Beitr Orthop Traumatol** 1985 Apr;32(4):180–5 (Eng. Abstr.) **(Ger)**

[Case report on osteoarthropathy following frostbite] Schwenke R. **Z Gesamte Inn Med** 1984 Dec 1;39(23):592–5 (Eng. Abstr.) **(Ger)**

[The natural course of osteoarthritis of the hip. Indication of conservative treatment in relation to osteophyte formation at the acetabular rim] Hotta Y, et al. **Nippon Seikeigeka Gakkai Zasshi** 1985 Jan;59(1):1–15 (Eng. Abstr.) **(Jpn)**

[A roentgenographic study of extension movements in osteoarthritic knees] Yamaji Z. **Nippon Seikeigeka Gakkai Zasshi** 1984 Sep;58(9):895–906 (Eng. Abstr.) **(Jpn)**

[Radiological picture of degenerative changes in costovertebral joints] Arct W. **Chir Narzadow Ruchu Ortop Pol** 1984;49(5):469–72 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Osteoarthrosis. Changes of bone, cartilage and synovial membrane in relation to bone scintigraphy. Christensen SB. **Acta Orthop Scand [Suppl]** 1985;214:1–43

Early detection of developing osteoarthritis by scintigraphy: an experimental study on rabbits. Vanharanta H, et al. **Eur J Nucl Med** 1984;9(9):426–8

[Examination using osteotropic radionuclides in patients with advanced coxarthrosis] Valešová M, et al. **Acta Chir Orthop Traumatol Cech** 1985 Apr;52(2):113–21 (Eng. Abstr.) **(Cze)**

[Radionuclide diagnosis of various diseases of the hip joint] Prikhod'ko AG, et al. **Ortop Travmatol Protez** 1984 Jul; (7):47–51 **(Rus)**

RADIOTHERAPY

[Radiocolloid gold 198Au in the treatment of osteoarthrosis] Fraño J, et al. **Acta Chir Orthop Traumatol Cech** 1984 Oct; 51(5):443–9 (Eng. Abstr.) **(Slo)**

REHABILITATION

The Canadian collar: a new cervical spine orthosis. Hannah RE, et al. **Am J Occup Ther** 1985 Mar;39(3):171–7

SURGERY

Comparison between radiologic lower extremity angles of femur and tibia and articular surface pressure measurements in gonarthrosis treated by high tibial osteotomy. Jokio PJ, et al. **Acta Orthop Belg** 1984;50(6):802–14

Unicompartmental knee replacement in osteoarthritis: an 8-year follow-up. Johnell O, et al. **Arch Orthop Trauma Surg** 1985;103(6):371–4

Artificial replacement of the hip joint in severe coxarthroses secondary to acetabular dysplasia. Mayer G, et al. **Arch Orthop Trauma Surg** 1984;103(5):332–6

Prediction of long-term outcome of tibial osteotomy in medial gonarthrosis. Tjörnstrand B, et al. **Arch Orthop Trauma Surg** 1985;103(6):396–401

Clinical observations on Blauth's total endoprosthesis of the knee joint. Wang WN. **Arch Orthop Trauma Surg** 1984; 103(4):263–8

Combined Coventry-Maquet procedure for two-compartment degenerative arthritis. Hofmann AA, et al. **Clin Orthop** 1984 Nov;(190):186–91

Silastic condylar arthroplasty. Howard FM, et al. **Clin Orthop** 1985 May;(195):144–50

Arthrodesis after failed knee arthroplasty. A nationwide multicenter investigation of 91 cases. Knutson K, et al. **Clin Orthop** 1984 Dec;(191):202–11

Early motion with cast-brace after modified Coventry high tibial osteotomy. Kriegshauser LA, et al. **Clin Orthop** 1985 May;(195):168–72

The treatment of choice in osteoarthritis of the knee. Maquet P. **Clin Orthop** 1985 Jan–Feb;(192):108–12

Functional evaluation of total hip arthroplasty with five- to ten-year follow-up evaluation. Perrin T, et al. **Clin Orthop** 1985 May;(195):252–60

Combined Maquet and proximal tibial valgus osteotomy. Putnam MD, et al. **Clin Orthop** 1985 Jul–Aug;(197):217–23

The effect of alignment on results in arthroscopic debridement of the degenerative knee. Salisbury RB, et al. **Clin Orthop** 1985 Sep;(198):268–72

The management of nonunions following high tibial osteotomies. Schatzker J, et al. **Clin Orthop** 1985 Mar; (193):230–3

Ankle implants. Spector EE. **Clin Podiatry** 1984 Apr; 1(1):225–35

The biomechanical basis for osteotomy in the treatment of osteoarthritis of the hip: results in younger patients. Bombelli R, et al. **Hip** 1984;:18–42

Tools for high tibial wedge osteotomy. Minns RJ, et al. **J Biomed Eng** 1985 Jul;7(3):256–8

Upper tibial osteotomy for osteoarthritis. Coventry MB. **J Bone Joint Surg [Am]** 1985 Sep;67(7):1136–40

The use of the McKeever metallic hemiarthroplasty for unicompartmental arthritis. Emerson RH Jr, et al. **J Bone Joint Surg [Am]** 1985 Feb;67(2):208–12

High tibial osteotomy for varus gonarthrosis. A long-term follow-up study. Insall JN, et al. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1040–8

Total condylar knee replacement. A study of factors influencing range of motion as late as two years after arthroplasty. Schurman DJ, et al. **J Bone Joint Surg [Am]** 1985 Sep;67(7):1006–14

McKeever metallic hemiarthroplasty of the knee in unicompartmental degenerative arthritis. Long-term clinical follow-up and current indications. Scott RD, et al. **J Bone Joint Surg [Am]** 1985 Feb;67(2):203–7

Successive bilateral total knee replacement. Soudry M, et al. **J Bone Joint Surg [Am]** 1985 Apr;67(4):573–6

Occlusion of the common femoral artery complicating total hip arthroplasty. Heyes FL, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):533–5

Long-term results of Geomedic total knee replacement. Riley D, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):548–50

Osteoarthritis of the carpometacarpal joint of the thumb. An analysis of operative procedures. Kvarnes L, et al. **J Hand Surg [Br]** 1985 Feb;10(1):117–20

Swanson silastic wrist arthroplasty. A retrospective study of fifteen cases. McCombe PF, et al. **J Hand Surg [Br]** 1985 Jun;10(2):199–201

Total knee replacement in osteoarthritis and rheumatoid arthritis. Kaltsas DS, et al. **J R Soc Med** 1985 Jul; 78(7):552–6

[Alloplasty of the knee joint in progressive polyarthritis and osteoarthritis] Kaňková D, et al. **Bratisl Lek Listy** 1984 Nov;82(5):1356–61 (Eng. Abstr.) **(Cze)**

[Surgical treatment of arthrosis of the hip joint] Kapounek B, et al. **Cas Lek Cesk** 1984 Sep 14;123(37):1156–61 (Eng. Abstr.) **(Cze)**

[The total endoprosthesis in the treatment of arthrosis of the hip joint] Stědrý V. **Cas Lek Cesk** 1984 Sep 14; 123(37):1162–6 (Eng. Abstr.) **(Cze)**

[Prosthesis arthroplasty for arthritis deformans of the carpometacarpal joint of the thumb] Deenstra W, et al. **Ned Tijdschr Geneeskd** 1985 Apr 20;129(16):744–8 (Eng. Abstr.) **(Dut)**

[Unicompartmental arthroplasty (Lotus type) in the treatment of lateralized gonarthrosis in the elderly. Outcome after more than 5 years of 56 prostheses analyzed in 1981] Goutallier D, et al. **Rev Chir Orthop** 1985;71(3):213–8 (Eng. Abstr.) **(Fre)**

[Chiari's osteotomy in the treatment of coxarthrosis in adults. Apropos of 39 cases] Kempf I, et al. **Rev Chir Orthop** 1985; 71(2):101–9 (Eng. Abstr.) **(Fre)**

[Our experience with unicompartmental knee prostheses. 61 cases] Darcy M, et al. **Rev Rhum Mal Osteoartic** 1984 Oct; 51(9):475–6 **(Fre)**

[Unicompartmental femorotibial arthroplasty and lateral gonarthrosis. Outcome of 52 prostheses implanted for more than 5 years] Goutallier D, et al. **Rev Rhum Mal Osteoartic** 1984 Jul–Sep;51(7–8):399–404 (Eng. Abstr.) **(Fre)**

[Personal experiences with uniaxial knee prostheses in chronic polyarthritis] Irlenbusch U, et al. **Beitr Orthop Traumatol** 1985 Jan;32(1):15–21 (Eng. Abstr.) **(Ger)**

[Tibial head osteotomy in the treatment of gonarthrosis] Giebel G, et al. **Orthopade** 1985 Jun;14(3):144–53 **(Ger)**

[Indications, surgical technic and results of transcondylar tibia osteotomy in gonarthrosis. Experiences based on a follow-up study of 783 tibia osteotomies] Jenny K, et al. **Orthopade** 1985 Jun;14(3):161–71 **(Ger)**

[Results of tibia condyle osteotomy] Kleinert B, et al. **Orthopade** 1985 Jun;14(3):154–60 (Eng. Abstr.) **(Ger)**

[Indication, technic and results of supra- and infracondylar osteotomy in osteoarthrosis of the knee joint] Wagner H, et al. **Orthopade** 1985 Jun;14(3):172–92 **(Ger)**

[Bone and boundary zone changes following the implantation of double-cup arthroplasties] Delling G, et al. **Z Orthop** 1984 Nov–Dec;122(6):770–6 (Eng. Abstr.) **(Ger)**

[Follow up study of 997 total hip endoprostheses with special reference to late results 9–11 years after operation] Gierse H, et al. **Z Orthop** 1984 Nov–Dec;122(6):784–9 (Eng. Abstr.) **(Ger)**

[Surgical treatment of arthritis of the thumb saddle joint] Martini AK. **Z Orthop** 1985 Jan–Feb;123(1):44–53 (Eng. Abstr.) **(Ger)**

[Surgical treatment of arthritis of the thumb saddle joint] Schmitt E, et al. **Z Orthop** 1985 Jan–Feb;123(1):54–9 (Eng. Abstr.) **(Ger)**

[Results with ceramic-on-ceramic sliding endoprosthesis completely or partially fixed without cement] Trepte CT, et al. **Z Orthop** 1985 Mar–Apr;123(2):239–44 (Eng. Abstr.) **(Ger)**

[Quantitative determination of spongiosa formation of tibial cortical bone following knee joint total prosthesis implantation] Yücel M, et al. **Z Orthop** 1984 Nov–Dec; 122(6):814–7 (Eng. Abstr.) **(Ger)**

[Indications for high tibial head osteotomy and unicondylar sliding prosthesis in knee joint arthrosis] Wentzensen A, et al. **Z Unfallchir Versicherungsmed Berufskr** 1984; 77(3):163–9 **(Ger)**

[Femur shaft fractures in artificial hip joint replacement] Mayer G, et al. **Zentralbl Chir** 1985;110(12):739–48 (Eng. Abstr.) **(Ger)**

[Joint distraction of the hip (clinical experience)] Aldegheri R, et al. **Chir Organi Mov** 1982–83;68(4–6):527–31 (Eng. Abstr.) **(Ita)**

[Patellectomy in femoral-rotular fractures and arthrosis] Poli G. **Chir Organi Mov** 1982–83;68(4–6):581–8 (Eng. Abstr.) **(Ita)**

[Natural courses of coxarthrosis and indication of rotational acetabular osteotomy] Ninomiya S, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Aug;58(8):779–92 (Eng. Abstr.) **(Jpn)**

[Phillips' operation in degeneration of the hip joint] Lach JB, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(5):455–9 (Eng. Abstr.) **(Pol)**

[Bilateral alloplasty of hip joints in the treatment of coxarthrosis] Mazurkiewicz H, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(1):46–9 (Eng. Abstr.) **(Pol)**

[Preoperative risk factors in wound healing after surgery of the locomotor system in relation to surgical patients] Wasilewski A, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(1):54–7 (Eng. Abstr.) **(Pol)**

[Remote results of the surgical treatment of dysplastic coxarthrosis] Imamaliev AS, et al. **Ortop Travmatol Protez** 1984 Jul;(7):7–12 (Eng. Abstr.) **(Rus)**

[Current views on hip endoprosthesis and prospects for the development of mobilizing operations on the hip joint] Korzh AA, et al. **Ortop Travmatol Protez** 1985 Feb;(2):1–5 (Eng. Abstr.) **(Rus)**

[Surgical approach to the hip joint for arthroplastic procedures] Kulish NI. **Ortop Travmatol Protez** 1984 Sep; (9):49–51 **(Rus)**

[Experience with endoprosthesis of the hip joint] Shenderov VA. **Ortop Travmatol Protez** 1985 Jun;(6):43–7 **(Rus)**

[Marginal modeling resection in the complex treatment of patients with stage III coxarthrosis] Vereshchagin AP, et al. **Ortop Travmatol Protez** 1985 Feb;(2):5–8 (Eng. Abstr.) **(Rus)**

[Results of the treatment of bilateral coxarthrosis using Poldi's total endoprosthesis] Kováč M, et al. **Bratisl Lek Listy** 1984 Nov;82(5):1328–30 (Eng. Abstr.) **(Slo)**

THERAPY

Evaluation of an educational program for primary care practitioners, on the management of osteoarthritis. Stross JK, et al. **Arthritis Rheum** 1985 Jan;28(1):108–11

Osteoarthritis--investigation and management. Brooks PM. **Aust Fam Physician** 1984 Dec;13(12):873–7

Local treatment for neuropathic foot ulceration and osteoarthropathy. Brindley GW, et al. **Foot Ankle** 1985 Mar–Apr;5(5):245–50

Chronic disease and health system performance. Care of osteoarthritis across three health services. Lubeck DP, et al. **Med Care** 1985 Mar;23(3):266–77

Osteoarthritis. A new neurological method of pain control. Pybus PK. **Med Hypotheses** 1984 Aug;14(4):413–22

The effect of subcutaneous nerve stimulation (SCNS) on pain associated with osteoarthritis of the hip. Cottingham B, et al. **Pain** 1985 Jul;22(3):243–8

[Conservative treatment in the therapy of coxarthrosis] Ort J, et al. **Cas Lek Cesk** 1984 Sep 14;123(37):1152–5 (Eng. Abstr.) (Cze)

[Use of depo-medrol in the complex conservative treatment of patients with arthroses deformans] Borisiuk BE, et al. **Ortop Travmatol Protez** 1985 Feb;(2):41–2 (Rus)

[Specialized orthopedic services for the invalids of World War II] Kuz'menko VV, et al. **Ortop Travmatol Protez** 1985 Apr;(4):12–6 (Rus)

[Clinico-physiological substantiation of using classical and segmental massage in the complex treatment of patients with osteoarthrosis deformans] Kampanov AIu, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar–Apr;(2):17–20 (Eng. Abstr.) (Rus)

VETERINARY

Further studies of degenerative hip disease; antitrochanteric degeneration in turkeys and broiler type chickens. Duff SR. **J Comp Pathol** 1985 Jan;95(1):113–22

Reduced mating efficiency due to osteo-arthrosis in a ram. Terblanche SJ. **J S Afr Vet Assoc** 1985 Mar;56(1):39–41

Lesions of articular, sternal and growth plate cartilage in rats. Yamasaki K, et al. **Vet Pathol** 1985 Jan;22(1):46–50

OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC

Non-familial idiopathic pachydermoperiostosis. Kalam A, et al. **J Assoc Physicians India** 1984 Aug;32(8):751–2

COMPLICATIONS

Acro-osteolysis associated with hypertrophic pulmonary osteoarthropathy and pachydermoperiostosis. Joseph B, et al. **Radiology** 1985 Feb;154(2):343–4

DIAGNOSIS

[Comparison of x-ray and radionuclide studies of the joints in patients with Touraine-Solente-Golé syndrome] Pekhlivanov D, et al. **Vutr Boles** 1985;24(3):104–8 (Eng. Abstr.) (Bul)

RADIOGRAPHY

[Idiopathic pachydermoperiostitis. Description of a case] Zioni F, et al. **Minerva Med** 1985 Mar 24;76(12):575–8 (Eng. Abstr.) (Ita)

RADIOTHERAPY

Pachydermoperiostosis with multiple basal cell carcinomata. Thomas RH, et al. **J R Soc Med** 1985 Apr;78(4):335–7

OSTEOARTHROPATHY, SECONDARY HYPERTROPHIC

Clubbing of the fingers. Collins KP, et al. **Int J Dermatol** 1985 Jun;24(5):296–7

COMPLICATIONS

Hypertrophic pulmonary osteoarthropathy in four patients with interstitial pulmonary disease. Galko B, et al. **Chest** 1985 Jul;88(1):94–7

Coexistent gout and hypertrophic osteoarthropathy in patients with cyanotic heart disease. Martínez-Lavín M, et al. **J Rheumatol** 1984 Dec;11(6):832–4

Acro-osteolysis associated with hypertrophic pulmonary osteoarthropathy and pachydermoperiostosis. Joseph B, et al. **Radiology** 1985 Feb;154(2):343–4

DIAGNOSIS

'Tips' on acute arthritis and clubbing. Allen NB. **NC Med J** 1984 Oct;45(10):651–3

DRUG THERAPY

Response of hypertrophic osteoarthropathy to drugs inhibiting growth hormone [letter] Matucci Cerinic M. **J Rheumatol** 1984 Dec;11(6):865–6

Indomethacin therapy for hypertrophic pulmonary osteoarthropathy in patients with bronchogenic carcinoma. Leung FW, et al. **West J Med** 1985 Mar;142(3):345–7

ETIOLOGY

Association of hypertrophic osteoarthropathy with gastrointestinal polyposis. Simpson EL, et al. **AJR** 1985 May;144(5):983–4

Hypertrophic osteoperiostitis in Crohn's disease. Bertoni F, et al. **Ital J Orthop Traumatol** 1984 Sep;10(3):377–83

Primary pulmonary leiomyosarcoma with digital clubbing and pleural effusion. Case report. Passamonte PM, et al. **Mo Med** 1984 Oct;81(10):667–8

[A report of 6 cases of thyroid acropathy] Lin LX. **Chung Hua Nei Ko Tsa Chih** 1984 Oct;23(10):631–3 (Eng. Abstr.) (Chi)

[Hypertrophic osteoarthropathy with gynecomastia and high levels of growth hormone in cancer of the lung. Apropos of a case treated with drugs inhibiting the secretion of growth hormone] Matucci Cerinic M. **Rev Rhum Mal Osteoartic** 1984 Jul–Sep;51(7–8):431–4 (Fre)

[Hypertrophic osteoarthropathy secondary to benign fibrous mesothelioma] Bjerkhoel FJ, et al. **Tidsskr Nor Laegeforen** 1985 Apr 20;105(11):735–7, 741 (Eng. Abstr.) (Nor)

RADIONUCLIDE IMAGING

Early diagnosis of pulmonary osteoarthropathy in neoplastic disease. Lopez-Majano V, et al. **J Nucl Med Allied Sci** 1984 Apr–Jun;28(2):69–76

VETERINARY

Hypertrophic osteopathy associated with a bronchial foreign body and lobar pneumonia in a dog. Caywood DD, et al. **J Am Vet Med Assoc** 1985 Apr 1;186(7):698–700

Costal bone changes similar to hypertrophic osteopathy associated with pulmonary and abdominal mesothelioma in a dog. Craig JA, et al. **J Am Vet Med Assoc** 1985 May 15;186(10):1100–1

Evidence of hypertrophic pulmonary osteoarthropathy in a chimpanzee, Pan troglodytes. Marzke MW, et al. **J Med Primatol** 1984;13(3):135–45

OSTEOBLASTOMA see **OSTEOMA, OSTEOID**

OSTEOBLASTS

CYTOLOGY

A simple method for isolating osteoblasts from mouse calvaria. Zambonin Zallone A, et al. **Boll Soc Ital Biol Sper** 1984 Aug 31;60(8):1549–55

Appearance of osteoclasts and osteoblasts in electrically stimulated bones cultured on chorioallantoic membranes. Noda M, et al. **Clin Orthop** 1985 Mar;(193):288–98

DRUG EFFECTS

Effect of growth hormone on osteoblasts and demonstration of somatomedin-C/IGF I in bone organ culture. Stracke H, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):16–24

Direct effect of parathyroid hormone on the proliferation of osteoblast-like cells; a possible involvement of cyclic AMP. van der Plas A, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):918–25

Histomorphometric evidence of deleterious effect of aluminum on osteoblasts. de Vernejoul MC, et al. **Bone** 1985;6(1):15–20

Effect of retinoids on the growth, ultrastructure, and cytoskeletal structures of malignant rat osteoblasts. Ng KW, et al. **Cancer Res** 1985 Oct;45(10):5106–13

Direct effects of diphenylhydantoin (phenytoin) on the ion-transporting ATPases of cultured osteoblast-like cells. Anderson RE, et al. **Epilepsia** 1984 Dec;25(6):773–8

Effects of cortisol and fluoride on ion-transporting ATPase activities in cultured osteoblastlike cells. Anderson RE, et al. **In Vitro** 1984 Nov;20(11):847–55

ENZYMOLOGY

Mouse osteoblasts synthesize collagenase in response to bone resorbing agents. Heath JK, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):151–4

Properties of Suc-GPLGP-MCAase and dipeptidyl-aminopeptidase in mouse calvaria-derived osteoblastic cells (MC3T3-E1). Chikuma T, et al. **Calcif Tissue Int** 1985 Mar;37(2):183–8

Characterization of an osteoblast-like clonal cell line which responds to both parathyroid hormone and calcitonin. Forrest SM, et al. **Calcif Tissue Int** 1985 Jan;37(1):51–6

Collagenase synthesis by osteoblast-like cells. Otsuka K, et al. **Calcif Tissue Int** 1984 Dec;36(6):722–4

Adenylate cyclase of osteoblast-like cells from rat osteosarcoma is stimulated by calcitonin as well as parathyroid hormone. Gutierrez GE, et al. **Endocrinology** 1984 Dec;115(6):2342–6

Glucocorticoid regulation of alkaline phosphatase in the osteoblastic osteosarcoma cell line ROS 17/2.8. Majeska RJ, et al. **Endocrinology** 1985 Jan;116(1):170–9

Effect of prostaglandin E2 on PZ-peptidase and several other peptidase activities in a clonal osteoblast-like cell line derived from newborn mouse calvaria. Chikuma T, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1533–9

Inductive effects of prostaglandins on alkaline phosphatase in osteoblastic cells, clone MC3T3-E1. Hakeda Y, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):97–104

1,25-Dihydroxycholecalciferol and glucocorticosteroid regulation of adenylate cyclase in an osteoblast-like cell line. Catherwood BD. **J Biol Chem** 1985 Jan 25;260(2):736–43

IMMUNOLOGY

Osteocalcin antigenicity in cultured osteoblast-like cells after stimulation with 1,25-vitamin D3. Groot CG, et al. **Cell Biol Int Rep** 1985 Jun;9(6):528

METABOLISM

Effect of guanethidine-induced sympathectomy on osteoblastic activity in the rat femur evaluated by 3H-proline autoradiography. Herskovits MS, et al. **Acta Anat (Basel)** 1984;120(3):151–5

Prostaglandin E2 stimulates collagen and non-collagen protein synthesis and prolyl hydroxylase activity in osteoblastic clone MC3T3-E1 cells. Hakeda Y, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):340–5

Effects of parathyroid hormone on cAMP production and alkaline phosphatase activity in osteoblastic clone MC3T3-E1 cells. Nakatani Y, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):894–8

The influence of albumin on vitamin D metabolism in fetal chick osteoblast-like cells. Pols HA, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):265–72

Induction of osteoblastic cell differentiation by forskolin. Stimulation of cyclic AMP production and alkaline phosphatase activity. Hakeda Y, et al. **Biochim Biophys Acta** 1985 Jan 28;838(1):49–53

Modulation of PTH-stimulated cyclic AMP in cultured rodent bone cells: the effects of 1,25(OH)2 vitamin D3 and its interaction with glucocorticoids. Chen TL, et al. **Calcif Tissue Int** 1984 Sep;36(5):580–5

Immunocytochemical evidence for endogenous calcitonin and parathyroid hormone in osteoblasts from the calvaria of neonatal mice. Absence of endogenous estradiol and estradiol receptors. Morel G, et al. **Cell Tissue Res** 1985;240(1):89–93

Uptake of horseradish peroxidase by bone cells during endochondral bone development. Sasaki T, et al. **Cell Tissue Res** 1985;239(3):547–53

Regulation of plasminogen activator production by bone-resorbing hormones in normal and malignant osteoblasts. Hamilton JA, et al. **Endocrinology** 1985 Jun;116(6):2186–91

Synthesis of collagenase and collagenase inhibitors by osteoblast-like cells in culture. Otsuka K, et al. **Eur J Biochem** 1984 Nov 15;145(1):123–9

Vitamin D metabolites regulate osteocalcin synthesis and proliferation of human bone cells in vitro. Skjødt H, et al. **J Endocrinol** 1985 Jun;105(3):391–6

Immunocytochemical study of collagen in epidermal growth factor (EGF)-treated osteoblastic cells. Osaki Y, et al. **J Histochem Cytochem** 1984 Nov;32(11):1231–3

Stimulation of arachidonic acid metabolism in primary cultures of osteoblast-like cells by hormones and drugs. Feyen JH, et al. **Prostaglandins** 1984 Dec;28(6):769–81

PATHOLOGY

[Physiological osteopenia: histomorphometric findings] Courpron P. **Rev Fr Gynecol Obstet** 1985 Mar;80(4):199–203 (Eng. Abstr.) (Fre)

PHYSIOLOGY

Characterization of human bone cells in culture. Auf'mkolk B, et al. **Calcif Tissue Int** 1985 May;37(3):228–35

Electrophysiological properties of osteoblastlike cells from the cortical endosteal surface of rabbit long bones. Chow SY, et al. **Calcif Tissue Int** 1984 Jul;36(4):401–8

Ion-transporting ATPases and matrix mineralization in cultured osteoblastlike cells. Anderson RE, et al. **In Vitro** 1984 Nov;20(11):837–46

Electrophysiology of a clonal osteoblast-like cell line: evidence for the existence of a Ca2+-activated K+ conductance. Dixon SJ, et al. **J Membr Biol** 1984;80(1):49–58

ULTRASTRUCTURE

A comparative study of osteoblasts: in situ versus isolated specimens. Ries WL, et al. **Am J Anat** 1985 Jan;172(1):57–73

OSTEOCHONDRITIS

Kienböck's disease. Linscheid RL. **J Hand Surg [Am]** 1985 Jan;10(1):1–3

[Necrosis of the semilunar bone] Pagliughi G. **Chir Ital** 1983 Dec;35(6):1038–42 (Eng. Abstr.) (Ita)

[Osteochondritis dissecans of the humeral head] Petrini A, et al. **Chir Organi Mov** 1984;69(1):83–5 (Eng. Abstr.) (Ita)

COMPLICATIONS

Joint occurrence of aseptic necrosis of the head of the third metacarpal and Freiberg's disease. Gurin J. **Acta Chir Hung** 1985;26(1):27–30

Femoral nerve neuropraxia secondary to repetitive trauma in a patient with juvenile lumbar osteochondrosis differential diagnosis of an osteolytic lesion with a neurologic deficit. Report of a case. Milgrom C, et al. **Clin Orthop** 1984 Nov;(190):135-7

Genu recurvatum: a possible complication after Osgood-Schlatter disease. Case report. Zimbler S, et al. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1129-30

[Relation of cardiac pain syndromes and arterial hypertension to spinal osteochondrosis] Gordon IB. **Klin Med (Mosk)** 1984 Sep;62(9):55-8 **(Rus)**

[Manual method of correcting subluxation of the cervical vertebrae in osteochondrosis] Iarovoi VK. **Ortop Travmatol Protez** 1984 Aug;(8):57-9 **(Rus)**

[Conservative treatment of lumbofemoral extension rigidity in children and adolescents with lumbar osteochondrosis] Malakhov OA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):30-4 (Eng. Abstr.) **(Rus)**

[Roentgenodiagnosis of disk herniation in osteochondrosis] Kamalov II. **Zh Nevropatol Psikhiatr** 1985;85(4):502-5 (Eng. Abstr.) **(Rus)**

[Asymmetries in the serum ceruloplasmin concentration of patients with spondylogenic lumbosacral radiculitis] Neimark EZ, et al. **Zh Nevropatol Psikhiatr** 1985; 85(4):513-6 (Eng. Abstr.) **(Rus)**

[Role of neurotrophic control in the formation of vertebrogenic neural and myodystrophic syndromes] Popelianskii IaIu, et al. **Zh Nevropatol Psikhiatr** 1985; 85(3):333-7 (Eng. Abstr.) **(Rus)**

[Analgesic effect of high-frequency and acupuncture-like transcutaneous electric stimulation of nerve fibers in spinal osteochondrosis] Starobinets MKh, et al. **Zh Nevropatol Psikhiatr** 1985;85(3):350-4 (Eng. Abstr.) **(Rus)**

[Electroneuromyographic evaluation of the efficacy of vibrotraction treatment of patients with vertebrogenic lumbosacral radiculitis] Vel'khover ES, et al. **Zh Nevropatol Psikhiatr** 1985;85(3):354-9 (Eng. Abstr.) **(Rus)**

[Periarterial alcoholization of the vertebral artery in vertebrogenic lesions] Osna AI, et al. **Zh Vopr Neirokhir** 1985 Jul-Aug;(3):40-4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Knee symptoms in children] Festen C, et al. **Ned Tijdschr Geneeskd** 1985 Feb 16;129(7):289-91 **(Dut)**

[Sacroiliac osteochondritis] Robert M, et al. **Chir Pediatr** 1984;25(6):338-40 (Eng. Abstr.) **(Fre)**

[Erosive osteochondrosis in the lumbar region. Differential diagnosis from inflammatory changes] Strub B, et al. **Schweiz Rundsch Med Prax** 1984 Nov 13;73(46):1417-20 (Eng. Abstr.) **(Ger)**

[Bilateral osteochondritis of the nucleus of accessory ossification of the acromion] Leo A. **Chir Organi Mov** 1982-83;68(4-6):819-22 (Eng. Abstr.) **(Ita)**

[Epicondylitis of the humerus and styloiditis of the radius] Tumian SD. **Ortop Travmatol Protez** 1985 May;(5):48-9 **(Rus)**

[Diagnosis and treatment of the painful muscular manifestations of cervical osteochondrosis with the cardialgia syndrome] Tuzlukov AP, et al. **Revmatologiia (Moskva)** 1985 Jan-Mar;(1):24-7 (Eng. Abstr.) **(Rus)**

[Fulminant and gradual evolution of the clinical manifestations of lumbar osteochondrosis] Popelianskii IaIu, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):497-501 (Eng. Abstr.) **(Rus)**

[Recurrent polychondritis. A case resistant to corticoid treatment] Domingo P, et al. **Med Clin (Barc)** 1985 Apr 13;84(14):575-7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Clinico-electromyographic parallels in the evaluation of the results of treating lumbar osteochondrosis by the papain nucleolysis technic] Kaz'min AI, et al. **Ortop Travmatol Protez** 1984 Aug;(8):7-12 (Eng. Abstr.) **(Rus)**

[Trypsin iontophoresis in spinal osteochondrosis] Chilingarian RA, et al. **Revmatologiia (Moskva)** 1984 Oct-Dec;(4):48-51 **(Rus)**

[Peridural administration of drugs in root-compression forms of lumbar osteochondrosis] Margolin GA, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):523-5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Disorders of ossification and growth of the proximal end of the femur due to the incorrect use of abduction treatment of luxatio coxae congenita] Feltl M, et al. **Acta Chir Orthop Traumatol Cech** 1985 Jul;52(4):350-5 (Eng. Abstr.) **(Cze)**

[Osteochondritis dissecans of the hip in Legg-Perthes-Calve disease] Filipe G, et al. **Rev Chir Orthop** 1985;71(1):55-61 (Eng. Abstr.) **(Fre)**

[Post-reduction osteochondrosis in the treatment of congenital dislocation of the hip] Rubbini L, et al. **Chir Organi Mov** 1984;69(4):335-40 (Eng. Abstr.) **(Ita)**

[Stress-induced changes in the knee joint in men working in a kneeling position] Popko J, et al. **Med Pr** 1984; 35(4):305-8 (Eng. Abstr.) **(Pol)**

[Bone changes in Bechterew-Strümpell-Pierre Marie syndrome] Mierzwa A, et al. **Wiad Lek** 1985 Feb 15; 38(4):318-23 (Eng. Abstr.) **(Pol)**

[Multi-level intervertebral disk destruction in leg length inequality in Bechterew's disease] Nowak C, et al. **Wiad Lek** 1984 Nov 15;37(22):1811-5 (Eng. Abstr.) **(Pol)**

[Intervertebral osteochondritis in elderly persons] Dmitriev AE, et al. **Ortop Travmatol Protez** 1985 Mar;(3):19-21 (Eng. Abstr.) **(Rus)**

[Torsion of the knee joint under normal and pathological conditions] Gafarov KhZ. **Ortop Travmatol Protez** 1984 Jul;(7):31-6 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial multiple osteochondritis dissecans. Report of a kindred. Phillips HO, et al. **J Bone Joint Surg [Am]** 1985 Jan;67(1):155-6

Histocompatibility antigens in Osgood-Schlatter disease. Sherry DD, et al. **J Pediatr Orthop** 1985 May-Jun; 5(3):302-5

Familial osteochondritis dissecans: a dysplasia of articular cartilage? Kozlowski K, et al. **Skeletal Radiol** 1985; 13(3):207-10

[Genetic analysis of the susceptibility to neurological manifestations in spinal osteochondrosis] Ritsner MS, et al. **Genetika (Moskva)** 1984 Aug;20(8):1380-6 (Eng. Abstr.) **(Rus)**

METABOLISM

[Features of the biochemical adaptation of intervertebral disks following experimental disruption of segmental circulation] Kladchenko LA, et al. **Ortop Travmatol Protez** 1984 Aug;(8):22-6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Osgood-Schlatter's disease in adolescent athletes. Retrospective study of incidence and duration. Kujala UM, et al. **Am J Sports Med** 1985 Jul-Aug;13(4):236-41

PATHOLOGY

Exercise increases osteophyte formation and diminishes fibrillation following chemically induced articular cartilage injury. Williams JM, et al. **J Anat** 1984 Dec;139 (Pt 4):599-611

Hypothesis--a diagram of the form and origin of loose bodies in osteochondritis dissecans. Barrie HJ. **J Rheumatol** 1984 Aug;11(4):512-3

[Osteochondritis dissecans: a rare localization] Giancola R, et al. **Chir Ital** 1985 Apr;37(2):230-3 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

[Quantitative thermography after manual therapy] Diurianova I. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):35-7 (Eng. Abstr.) **(Rus)**

[Role of various endocrine glands in the pathogenesis of the neurologic symptoms of lumbar osteochondrosis] Gavrilina TV, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):492-7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Osteochondrosis of the humeral capitellum. Singer KM, et al. **Am J Sports Med** 1984 Sep-Oct;12(5):351-60

Osteochondral lesions of the talus in a sports medicine clinic. A new radiographic technique and surgical approach. Thompson JP, et al. **Am J Sports Med** 1984 Nov-Dec; 12(6):460-3

Osteochondrosis of the tarsal cuneiforms. Leeson MC, et al. **Clin Orthop** 1985 Jun;(196):260-4

Fragmentation of the proximal pole of the patella. Another manifestation of juvenile traction osteochondritis? Batten J, et al. **J Bone Joint Surg [Br]** 1985 Mar;67(2):249-51

Blount's disease: a retrospective review and recommendations for treatment. Schoenecker PL, et al. **J Pediatr Orthop** 1985 Mar-Apr;5(2):181-6

[Post-traumatic sternoclavicular osteoarthropathy] Věšin S. **Cesk Radiol** 1985 Jan;39(1):38-41 (Eng. Abstr.) **(Cze)**

[Septic osteochondritis of the synchondrosis ischiopubica] Thiemann HH. **Radiol Diagn (Berl)** 1985;26(2):255-8 (Eng. Abstr.) **(Ger)**

[Ossification of the distal femoral epiphysis. On the question of osteochondrosis dissecans in children] Maurer HJ, et al. **Z Orthop** 1984 Nov-Dec;122(6):803-9 (Eng. Abstr.) **(Ger)**

[Does Osgood-Schlatter disease modify the position of the patella?] von Gumppenberg S, et al. **Z Orthop** 1984 Nov-Dec;122(6):798-802 (Eng. Abstr.) **(Ger)**

[Cases of rare localization of König's disease] Nowak C. **Wiad Lek** 1984 Sep 15;37(16):1292-6 (Eng. Abstr.) **(Pol)**

[Computerized tomography and methods of surgical treatment of post-traumatic cervical osteochondrosis] Iumashev GS, et al. **Ortop Travmatol Protez** 1985 Mar; (3):7-11 (Eng. Abstr.) **(Rus)**

[Osteochondropathy of the accessory apical nucleus of ossification of the lower pole of the patella] Nikitin MN, et al. **Ortop Travmatol Protez** 1985 Feb;(2):44-5 **(Rus)**

SURGERY

The surgical treatment of osteochondritis of the capitellum. McManama GB Jr, et al. **Am J Sports Med** 1985 Jan-Feb; 13(1):11-21

An approach to Kienböck's disease: triscaphe arthrodesis. Watson HK, et al. **J Hand Surg [Am]** 1985 Mar;10(2):179-87

Lunate implant arthroplasty. Evaluation of 19 patients. Eiken O, et al. **Scand J Plast Reconstr Surg** 1984;18(2):247-52

[Surgical treatment of 46 cases of dendrolimus chondritis of the rib] Tang CF. **Chung Hua Wai Ko Tsa Chih** 1984 Apr; 22(4):232-3 (Eng. Abstr.) **(Chi)**

[Replacement of the necrotic semilunar bone in Kienböck's disease using the tendon of the long palmar muscle] Rott Z. **Acta Chir Orthop Traumatol Cech** 1985 Jun;52(3):274-6 (Eng. Abstr.) **(Cze)**

[Cervical disk disease treated by the Cloward method. A study of 1106 patients] Strange P, et al. **Ugeskr Laeger** 1984 Jun 25;146(26):1919-24 (Eng. Abstr.) **(Dan)**

[Treatment of Kienböck's disease with segmentary shortening of the radius. Apropos of 28 cases] Razemon JP. **Chirurgie** 1984;110(6-7):600-7 (Eng. Abstr.) **(Fre)**

[Disepiphysiodesis together with tibial osteotomy in the treatment of Blount's disease. Apropos of 2 cases] Osorio F, et al. **Rev Chir Orthop** 1985;71(3):167-71 (Eng. Abstr.) **(Fre)**

[Surgical treatment of osteochondrosis dissecans of the knee joint] Mayer G, et al. **Beitr Orthop Traumatol** 1985 Jan; 32(1):40-8 (Eng. Abstr.) **(Ger)**

[Lunate malacia and its treatment with lunate excision] Schmitt E, et al. **Z Orthop** 1984 Sep-Oct;122(5):643-50 (Eng. Abstr.) **(Ger)**

[Frieberg-Kohler disease. Long-term review of the surgical treatment in 20 cases] Giancola R, et al. **Chir Ital** 1985 Apr;37(2):234-8 (Eng. Abstr.) **(Ita)**

[Surgical treatment of Blount's disease using addition and subtraction osteotomy] Pisetti A, et al. **Chir Ital** 1984 Aug; 36(4):681-4 (Eng. Abstr.) **(Ita)**

[Treatment of osteochondrosis dissecans of the knee. Analysis of 77 lesions treated at the Rizzoli Orthopedic Institute] Giunti A, et al. **Chir Organi Mov** 1984;69(2):111-8 (Eng. Abstr.) **(Ita)**

[Remarks on the surgical treatment of osteochondritis dissecans of the knee--osteochondrosis dissecans] Jaworski W. **Chir Narzadow Ruchu Ortop Pol** 1984;49(2):171-5 (Eng. Abstr.) **(Pol)**

[Our experience with the surgical treatment of spinal osteochondrosis] Iumashev GS, et al. **Ortop Travmatol Protez** 1984 Aug;(8):1-6 (Eng. Abstr.) **(Rus)**

[Centering operations in osteochondropathies of the femur head] Tikhonenkov ES, et al. **Ortop Travmatol Protez** 1985 Feb;(2):8-12 (Eng. Abstr.) **(Rus)**

[Technical advantages and limitations of using ultrasonics in surgery of the spine] Demichev NP, et al. **Vestn Khir** 1984 Nov;133(11):55-9 (Eng. Abstr.) **(Rus)**

[Fenestration of intervertebral disks in the treatment of cervical osteochondritis] Osna AI, et al. **Zh Vopr Neirokhir** 1984 Nov-Dec;(6):47-51 (Eng. Abstr.) **(Rus)**

THERAPY

Treatment of juvenile osteochondritis dissecans and osteochondritis dissecans of the knee. Cahill B. **Clin Sports Med** 1985 Apr;4(2):367-84 (104 ref.)

Control of Osgood-Schlatter disease with Open Patellar Full Knee Splint. Stelnicki TD. **J Am Podiatr Med Assoc** 1985 May;75(5):265-7

Osteochondritis dissecans of the femoral condyles. Hughston JC, et al. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1340-8

[A case of functionally treated osteochondrosis dissecans of the hip joints] Bialecki J. **Chir Narzadow Ruchu Ortop Pol** 1985;50(1):43-5 (Eng. Abstr.) **(Pol)**

[Magnetotherapy in the complex treatment of lumbar osteochondritis] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1984 Aug;(8):12-5 (Eng. Abstr.) **(Rus)**

[Manual therapy in the management of neurologic syndromes in cervical osteochondrosis] Serga VV. **Ortop Travmatol Protez** 1985 Mar;(3):37-9 (Eng. Abstr.) **(Rus)**

[Step-by-step conduction of therapeutic procedures in cervical osteochondrosis] Tserliuk BM, et al. **Ortop Travmatol Protez** 1985 Mar;(3):34-6 (Eng. Abstr.) **(Rus)**

[A fixing collar] Tuzlukov AP, et al. **Ortop Travmatol Protez** 1985 Apr;(4):59-60 **(Rus)**

[Effect of sinusoidal modulated currents on clinical and electromyographic indicators in patients with cervical osteochondrosis] Komarova LA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb; (1):37-40 (Eng. Abstr.) **(Rus)**

[Treatment and rehabilitation of patients with neurological manifestations of cervical osteochondrosis] Serga VV. **Vrach Delo** 1984 Aug;(8):99-100 (Eng. Abstr.) **(Rus)**

[Manual therapy of patients with lumbar osteochondrosis with neurologic syndromes] Drobinskii AD, et al. **Zh Nevropatol Psikhiatr** 1985;85(4):525-8 (Eng. Abstr.) **(Rus)**

VETERINARY

Lipids of normal and osteochondritic cartilage of the immature canine humeral head. Kincaid SA, et al.

Am J Vet Res 1985 May;46(5):1060–5

Cartilage proteoglycans from normal and osteochondrotic porcine joints. Nakano T, et al. **Can J Comp Med** 1985 Apr;49(2):219–26

Relative amounts of chondroitin sulfate and hyaluronic acid in synovial fluid from normal and osteochondrotic swine joints. Nakano T, et al. **Can J Comp Med** 1984 Oct;48(4):434–6

An unusual presentation of osteochondrosis dissecans in a foal. Church S, et al. **Equine Vet J** 1984 Nov;16(6):545–7

Radiological investigations of osteochondrosis dissecans in Standardbred Trotters and Swedish Warmblood horses. Hoppe F. **Equine Vet J** 1984 Sep;16(5):425–9

Free chondral fragment involving the lateral trochlear ridge of the talus in a dog. Aron DN, et al. **J Am Vet Med Assoc** 1985 May 15;186(10):1095–6

Clinical evaluation of dogs after surgical and nonsurgical management of osteochondritis dissecans of the talus. Smith MM, et al. **J Am Vet Med Assoc** 1985 Jul 1;187(1):31–5

Osteochondritis dissecans of the sagittal ridge of the third metacarpal and metatarsal bones in horses. Yovich JV, et al. **J Am Vet Med Assoc** 1985 Jun 1;186(11):1186–91

Dyschondroplasia/osteochondrosis of the femoral trochanter in the fowl. Duff SR. **J Comp Pathol** 1985 Jul;95(3):363–71

Osteochondritis dissecans in the tibio–tarsal joint. Results by surgical treatment. Sønnichsen HV, et al. **Nord Vet Med** 1985 May–Jun;37(3):136–9

OSTEOCHONDRITIS DISSECANS see under **OSTEOCHONDRITIS**

OSTEOCHONDRODYSPLASIAS

Dysplasia epiphysealis hemimelica. Cruz–Conde R, et al. **J Pediatr Orthop** 1984 Sep;4(5):625–9

[Camptomelic dysplasia. A case with sex reversal] Colli R, et al. **Minerva Pediatr** 1985 Feb 28;37(4):187–92 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Radiographic bone surveys after isotretinoin therapy for cystic acne. Ellis CN, et al. **Acta Derm Venereol (Stockh)** 1985;65(1):83–5

[Skeletal side effects of treatment with prostaglandin E1] Persigehl M, et al. **ROFO** 1984 Oct;141(4):427–30 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Renal abnormalities and spondylometaphyseal dysplasia. Carter P, et al. **Aust Paediatr J** 1985 May;21(2):115–7

The management of the soft–tissue haemangiomatous manifestations of Maffucci's syndrome. Ma GF, et al. **Br J Plast Surg** 1984 Oct;37(4):615–8

Multiple chondrosarcomas in dyschondroplasia (Ollier's disease). Cannon SR, et al. **Cancer** 1985 Feb 15;55(4):836–40

Schwartz–Jampel syndrome associated with von Willebrand's disease. Kuriyama M, et al. **J Neurol** 1985;232(1):49–51

Arthritis in children with multiple epiphyseal dysplasia. Patrone NA, et al. **J Rheumatol** 1985 Feb;12(1):145–9

Laryngotracheal stenosis in spondyloepiphyseal dysplasia. Myer CM 3d, et al. **Laryngoscope** 1985 Jan;95(1):3–5

Sterno–clavicular hyperostosis in a case with psoriasis and HLA–B27 associated arthropathy. Jurik AG, et al. **ROFO** 1985 Mar;142(3):345–7

[Sterno–costo–clavicular hyperostosis and ankylosing spondylitis (letter)] Gaucher A, et al. **Presse Med** 1984 Dec 1;13(43):2649 **(Fre)**

[Prognosis of the course of dysplastic scoliosis] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1985 Mar;(3):51–6 (Eng. Abstr.) **(Rus)**

CONGENITAL

Opsismodysplasia: a new type of chondrodysplasia with predominant involvement of the bones of the hand and the vertebrae. Maroteaux P, et al. **Am J Med Genet** 1984 Sep;19(1):171–82

Familial juvenile nephronophthisis, Jeune's syndrome, and associated disorders. Donaldson MD, et al. **Arch Dis Child** 1985 May;60(5):426–34

[A rare case of dysplasia epiphysealis osteochondromatosa (dysplasia epiphysealis hemimelica)] Andreasi A, et al. **Chir Organi Mov** 1982–83;68(4–6):777–84 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Prenatal phenotype analysis. Elejalde BR, et al. **Am J Med Genet** 1985 Jul;21(3):413–5

Prenatal diagnosis of Jeune syndrome. Elejalde BR, et al. **Am J Med Genet** 1985 Jul;21(3):433–8

Prenatal diagnosis and obstetric management of thanatophoric dwarfism. Ghosh A, et al. **Asia Oceania J Obstet Gynaecol** 1984 Sep;10(3):305–9

Ultrasound evaluation of a gravid uterus, large for dates. Lockard JW Jr, et al. **Del Med J** 1985 Feb;57(2):91–3

Thanatophoric dwarfism: a parent's point of view. Stabosz RD. **Del Med J** 1985 Apr;57(4):221–5

Thanatophoric dwarfism with the cloverleaf skull: a specific antenatal sonographic diagnosis. Mahony BS, et al. **J Ultrasound Med** 1985 Mar;4(3):151–4

Achondrogenesis type I: ultrasound diagnosis in utero. Benacerraf B, et al. **JCU** 1984 Jul–Aug;12(6):357–9

Prenatal ultrasonic diagnosis of short–rib polydactyly syndrome (SRPS) type III: a case report and a proposed approach to the diagnosis of SRPS and related conditions. Meizner I, et al. **JCU** 1985 May;13(4):284–7

Prenatal diagnosis of campomelic dysplasia by ultrasonography. Winter R, et al. **Prenat Diagn** 1985 Jan–Feb;5(1):1–8

Prenatal sonographic diagnosis of Jeune syndrome. Schinzel A, et al. **Radiology** 1985 Mar;154(3):777–8

The campomelic syndrome––prenatal ultrasound investigations. A case report. Slater CP, et al. **S Afr Med J** 1985 May 25;67(21):863–6

[Prenatal diagnosis of camptomelic dysplasia] Redon JY, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(4):437–41 (Eng. Abstr.) **(Fre)**

[Hemimelic epiphyseal dysplasia. Apropos of a case] Bernard C, et al. **J Radiol** 1984 Aug–Sep;65(8–9):581–4 (Eng. Abstr.) **(Fre)**

[The hyperostotic shoulder] Fournié B, et al. **Rev Rhum Mal Osteoartic** 1984 Jul–Sep;51(7–8):389–92 (Eng. Abstr.) **(Fre)**

[Thanatophoric dwarfism] Domke N, et al. **Zentralbl Gynakol** 1985;107(11):705–9 (Eng. Abstr.) **(Ger)**

[Review of the literature on craniotubular dysplasias] Grulliero A, et al. **Minerva Stomatol** 1985 May–Jun;34(3):475–9 (16 ref.) (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Progressive diaphyseal dysplasia: evaluation of corticosteroid therapy. Naveh Y, et al. **Pediatrics** 1985 Feb;75(2):321–3

EMBRYOLOGY

The role of mesenchyme–like tissue in the pathogenesis of thanatophoric dysplasia. Ornoy A, et al. **Am J Med Genet** 1985 Aug;21(4):613–30

ETIOLOGY

Effects of different soybean meals on the incidence of tibial dyschondroplasia in the chicken. Edwards HM Jr. **J Nutr** 1985 Aug;115(8):1005–15

[The elbow exposed to vibrating instruments and idiopathic diffuse skeletal hyperostosis: association or pure coincidence?] Trotta F, et al. **Minerva Med** 1984 Dec 15;75(47–48):2821–7 (Eng. Abstr.) **(Ita)**

[Chondroepiphyseal pathology in childhood hypothyroidism. Problems of diagnosis and prevention] Cigala F, et al. **Pediatr Med Chir** 1984 Jul–Aug;6(4):509–13 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

A previously undescribed autosomal recessive multiple congenital anomalies/mental retardation (MCA/MR) syndrome with fronto–nasal dysostosis, cleft lip/palate, limb hypoplasia, and postaxial poly–syndactyly: acro–fronto–facio–nasal dysostosis syndrome. Richieri–Costa A, et al. **Am J Med Genet** 1985 Apr;20(4):631–8

Fibrochondrogenesis: lethal, autosomal recessive chondrodysplasia with distinctive cartilage histopathology. Whitley CB, et al. **Am J Med Genet** 1984 Oct;19(2):265–75

The manifestations and natural history of spondylo–epi–metaphyseal dysplasia with joint laxity. Beighton P, et al. **Clin Genet** 1984 Oct;26(4):308–17

A new lethal chondrodysplasia with spondylocostal dysostosis, multiple internal anomalies and Dandy–Walker cyst. Moerman P, et al. **Clin Genet** 1985 Feb;27(2):160–4

Metachondromatosis. Report of four cases. Bassett GS, et al. **J Bone Joint Surg [Am]** 1985 Jun;67(5):811–4

Short rib–polydactyly syndrome: a single or heterogeneous entity? A re–evaluation prompted by four new cases. Bernstein R, et al. **J Med Genet** 1985 Feb;22(1):46–53

The study of heterogeneity and natural history––the importance of this type of research with chondrodystrophies as an example. Hall JG. **Prog Clin Biol Res** 1985;177:321–34

[Familial progressive diaphyseal dysplasia (Engelmann's disease)] Qu H. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Feb;19(1):25–7 (Eng. Abstr.) **(Chi)**

[Congenital defects of the motor system] Kubát R, et al. **Acta Chir Orthop Traumatol Cech** 1985 Jun;52(3):191–200 (Eng. Abstr.) **(Cze)**

[The Jeune syndrome, asphyxiating thoracic dysplasia. A review and description of 2 siblings] Maarup LP, et al. **Ugeskr Laeger** 1985 May 20;147(21):1676–8 (Eng. Abstr.) **(Dan)**

[Stickler's syndrome or hereditary progressive arthro–ophthalmopathy] Vallat M, et al. **J Fr Ophtalmol** 1985;8(4):301–7 (Eng. Abstr.) **(Fre)**

[Osteodysplasia or the Melnick–Needles syndrome; (apropos of a new case)] Deleporte B, et al. **J Genet Hum** 1985 Jan;33(1):13–20 (Eng. Abstr.) **(Fre)**

[Coexistence of late spondyloepiphyseal dysplasia and congenital megaloblastic anemia with proteinuria in the same family] Marandian MH, et al. **Pediatrie** 1985 Jan–Feb;40(1):49–53 (Eng. Abstr.) **(Fre)**

[A case of dyschondrosteosis] Tomoschewski R. **Beitr Orthop Traumatol** 1984 Dec;31(12):627–33 (Eng. Abstr.) **(Ger)**

[Short rib–polydactyly syndrome] Wilhelm O, et al. **Orv Hetil** 1984 Dec 16;125(51):3117–9 (Eng. Abstr.) **(Hun)**

[Epiphyseal dysplasias. Study of a family with multiple epiphyseal dysplasia] Mendoza HR, et al. **Bol Med Hosp Infant Mex** 1984 Aug;41(8):447–54 (Eng. Abstr.) **(Spa)**

METABOLISM

Avian tibial dyschondroplasia. II. Biochemical changes. Freedman BD, et al. **Am J Pathol** 1985 May;119(2):191–8

Abnormality of cartilage collagen in a patient with unclassified chondrodystrophy. Sussman MD, et al. **J Orthop Res** 1984;2(4):339–45

[Components of proteoglycan aggregates in human hyaline cartilage] Feshchenko SP, et al. **Biokhimiia** 1984 Oct;49(10):1679–85 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Avian tibial dyschondroplasia. I. Ultrastructure. Hargest TE, et al. **Am J Pathol** 1985 May;119(2):175–90

Avian tibial dyschondroplasia. III. Electron probe analysis. Hargest TE, et al. **Am J Pathol** 1985 May;119(2):199–209

Chondroclasts in fusarium–induced tibial dyschondroplasia. A histomorphometric study. Lawler EM, et al. **Am J Pathol** 1985 Aug;120(2):276–81

Spondyloepiphyseal dysplasia congenita. Light and electron microscopic studies of the eye. Murray TG, et al. **Arch Ophthalmol** 1985 Mar;103(3):407–11

Short rib–polydactyly syndrome (Majewski type): report of a case with autopsy findings. Akimoto N, et al. **Hiroshima J Med Sci** 1985 Jun;34(2):189–199

Defects in the growth plate of brachypodism in mice––light and electron microscopic findings and cell proliferation by the method of tritiated thymidine autoradiography. Nakamura K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Aug;58(8):835–45

Short rib–polydactyly syndrome type II (Majewski syndrome): a case report. McCormac RM, et al. **Pediatr Pathol** 1984;2(4):457–67

[Sternocostoclavicular hyperostosis: presentation of a case and review of the literature] Sanmarti Sala R, et al. **Med Clin (Barc)** 1985 Mar 30;84(12):483–6 (13 ref.) (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Fibrochondrogenesis: radiologic and histologic studies. Eteson DJ, et al. **Am J Med Genet** 1984 Oct;19(2):277–90

The value of perinatal post–mortem radiography. Experience of 514 cases. Seppänen U. **Ann Clin Res** 1985;17 Suppl 44:1–59

Progressive diaphyseal dysplasia (Camurati–Engelmann's disease). Panja S, et al. **Indian Pediatr** 1984 Aug;21(8):653–5

Upper extremity involvement in Trevor disease. Azouz EM, et al. **J Can Assoc Radiol** 1984 Jun;35(2):209–11

Dysplasia epiphysialis hemimelica an unusual case of macrodactyly of the thumb. Stockley I, et al. **J Hand Surg [Br]** 1985 Jun;10(2):249–50

The variable manifestations of dysplasia epiphysealis hemimelica. Azouz EM, et al. **Pediatr Radiol** 1985;15(1):44–9

Neonatal death dwarfism––a new form. Colavita N, et al. **Pediatr Radiol** 1984;14(6):451–2

Multiple metaphyseal lesions in a child with a syndrome of progressive muscle cramps, alopecia and stunted growth (Satoyoshi disease). Matsuo N, et al. **Radiat Med** 1983 Jul–Sep;1(3):205–7

Spondylo–megaepiphyseal–metaphyseal dysplasia: a new bone dysplasia resembling cleidocranial dysplasia. Silverman FN, et al. **Radiology** 1985 Aug;156(2):365–71

Radiographic features of spondylo–epimetaphyseal dysplasia with joint laxity and progressive kyphoscoliosis. Review of 19 cases. Kozlowski K, et al. **ROFO** 1984 Sep;141(3):337–41

A new neonatal short limbed dwarfism. McAlister WH, et al. **Skeletal Radiol** 1985;13(4):271–5

Case report 305. Dysplasia epiphysealis hemimelica (Trevor disease) of left ankle with an associated osteochondral (post–traumatic) fracture fragment, probably arising from talus. Oates E, et al. **Skeletal Radiol** 1985;13(2):174–8

[Pyknodysostosis. Classical and unusual aspects. Apropos of 7 cases] Bennani–Smirès C, et al. **J Radiol** 1984 Oct;65(10):689–95 (Eng. Abstr.) **(Fre)**

[Spondylo–enchondrodysplasia] Chagnon S, et al. **J Radiol** 1985 Jan;66(1):75–7 (Eng. Abstr.) **(Fre)**

[Camptomelic dysplasia. Apropos of a case] Gnamey DK, et al. **Pediatrie** 1984 Sep;39(6):455–9 (Eng. Abstr.) **(Fre)**

[Value of postmortem roentgen diagnosis exemplified by early fatal skeletal dysplasias] Rupprecht E. **Kinderarztl Prax** 1985 Mar;53(3):133–40 (Eng. Abstr.) **(Ger)**

[Recurrent multifocal periostosis. Presentation of a case] Perri G, et al. **Radiol Med (Torino)** 1984 Jul–Aug;70(7–8):536–8 **(Ita)**

SURGERY

A new method of treating the advanced stages of tibia vara (Blount's disease). Monticelli G, et al. **Ital J Orthop Traumatol** 1984 Sep;10(3):295–303

[Surgical lengthening and contralateral shortening in Ollier's chondrodysplasia] Mastragostino S, et al. **Chir Organi Mov** 1982-83;68(4-6):453-8 (Eng. Abstr.) **(Ita)**

VETERINARY

TDP-1, a toxic component causing tibial dyschondroplasia in broiler chickens, and trichothecenes from Fusarium roseum 'Graminearum'. Lee YW, et al. **Appl Environ Microbiol** 1985 Jul;50(1):102-7

Dyschondroplasia/osteochondrosis of the femoral trochanter in the fowl. Duff SR. **J Comp Pathol** 1985 Jul;95(3):363-71

The influence of ascorbic acid on the occurrence of tibial dyschondroplasia in young broiler chickens. Leach RM Jr, et al. **Poult Sci** 1985 Jun;64(6):1188-91

Dyschondroplasia of the caput femoris in skeletally immature broilers. Duff SR. **Res Vet Sci** 1984 Nov;37(3):293-302

Consequences of capital femoral dyschondroplasia in young adult and skeletally mature broilers. Duff SR. **Res Vet Sci** 1984 Nov;37(3):310-9

Dyschondroplasias of growth cartilages (osteochondrosis) in crossbred commercial pigs at one and 15 days of age: radiological, angiomicrographical and histological findings. Hill MA, et al. **Vet Rec** 1985 Jan 12;116(2):40-7

[Tibial dyschondroplasia in broiler chickens] Mørch J. **Nord Vet Med** 1985 May-Jun;37(3):176-86 (Eng. Abstr.) **(Dan)**

[Involvement of bone tissue in chicken infected with the myeloblastic MAV 2-0 virus. Generalized cortical hyperostosis] Graf B, et al. **C R Acad Sci [III]** 1985; 300(3):109-14 (Eng. Abstr.) **(Fre)**

OSTEOCHONDROSIS see **OSTEOCHONDRITIS**

OSTEOCLASTS

From where comes the osteoclast? [editorial] Underwood JC. **J Pathol** 1984 Dec;144(4):225-6

CLASSIFICATION

Investigation of the origin of the osteoclast by use of transplantation on chick chorioallantoic membrane. Yabe H, et al. **Clin Orthop** 1985 Jul-Aug;(197):255-65

CYTOLOGY

Breast cancer with osteoclast-like multinucleated giant cells. Kobayashi S, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1475-84

On the origin of the osteoclast: the cell surface phenotype of rodent osteoclasts. Horton MA, et al. **Calcif Tissue Int** 1985 Jan;37(1):46-50

1,25-Dihydroxyvitamin D3 causes an increase in the number of osteoclastlike cells in cat bone marrow cultures. Pharoah MJ, et al. **Calcif Tissue Int** 1985 May;37(3):276-81

Appearance of osteoclasts and osteoblasts in electrically stimulated bones cultured on chorioallantoic membranes. Noda M, et al. **Clin Orthop** 1985 Mar;(193):288-98

Osteoclast formation from mononuclear phagocytes: role of bone-forming cells. Burger EH, et al. **J Cell Biol** 1984 Dec; 99(6):1901-6

When is it an osteoclast? [letter] Horton MA, et al. **J Clin Pathol** 1985 May;38(5):596-7

Osteoclasts: putative, surrogate and authentic [letter] Chambers JJ, et al. **J Pathol** 1984 Dec;144(4):295-6

Identification of human osteoclasts with monoclonal antibodies [letter] **N Engl J Med** 1985 Aug 22;313(8):521-2

Identification of human osteoclasts with monoclonal antibodies [letter] Horton MA, et al. **N Engl J Med** 1985 Apr 4;312(14):923-4

DRUG EFFECTS

The effect of prostaglandins I2, E1, E2 and dibutyryl cyclic AMP on the cytoplasmic spreading of rat osteoclasts. Chambers TJ, et al. **Br J Exp Pathol** 1984 Oct;65(5):557-66

Activation of avian medullary bone osteoclasts by oxidized synthetic parathyroid hormone (1-34). Miller SC, et al. **Proc Soc Exp Biol Med** 1985 May;179(1):38-43

IMMUNOLOGY

Human fetal osteoclasts fail to express macrophage antigens. Horton MA, et al. **Br J Exp Pathol** 1985 Feb;66(1):103-8

Identification of osteoclast-specific monoclonal antibodies. Oursler MJ, et al. **J Cell Biol** 1985 May;100(5):1592-600

METABOLISM

The resorption of biological and non-biological substrates by cultured avian and mammalian osteoclasts. Jones SJ, et al. **Anat Embryol (Berl)** 1984;170(3):247-56

The effects of calcitonin, parathyroid hormone and prostaglandin E2 on cyclic AMP levels of isolated osteoclasts. Ito MB, et al. **Comp Biochem Physiol** [A] 1985; 81(3):653-7

The effect of calcium-regulating hormones and prostaglandins on bone resorption by osteoclasts disaggregated from neonatal rabbit bones. Chambers TJ, et al. **Endocrinology** 1985 Jan;116(1):234-9

Acute effects of salmon calcitonin in multiple myeloma: a valuable method for serial evaluation of osteoclastic lesions and disease activity—a prospective study of 125 patients. Bataille R, et al. **J Clin Oncol** 1985 Feb;3(2):229-36

PATHOLOGY

Malignant neuroendocrine tumor of the jejunum with osteoclast-like giant cells. Enzyme histochemistry distinguishes tumor cells from giant cells. Alpers CE, et al. **Am J Surg Pathol** 1985 Jan;9(1):57-64

Carcinoma of the parotid gland with osteoclastlike giant cells. Immunohistochemical and ultrastructural observations. Balogh K, et al. **Arch Pathol Lab Med** 1985 Aug; 109(8):756-61

Fusion disability of embryonic osteoclast precursor cells and macrophages in the microphthalmic osteopetrotic mouse. Thesingh CW, et al. **Bone** 1985;6(1):43-52

Osteoclasts and the resorption of bone by transplanted mammary carcinoma in rats. O'Grady RL, et al. **Br J Cancer** 1985 Jun;51(6):767-74

Osteoclast enlargement in endstage renal disease. Kaye M, et al. **Kidney Int** 1985 Mar;27(3):574-81

Osteoclast populations in congenital osteopetrosis: additional evidence of heterogeneity. Marks CR, et al. **Metab Bone Dis Relat Res** 1984;5(5):259-64

[Physiological osteopenia: histomorphometric findings] Courpron P. **Rev Fr Gynecol Obstet** 1985 Mar; 80(4):199-203 (Eng. Abstr.) **(Fre)**

[Undifferentiated carcinoma of the thyroid gland with osteoclast-like giant cells—a case report] Katoh R, et al. **Gan No Rinsho** 1984 Oct;30(13):1700-6 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Sex differences in bone resorption: a scanning electron microscopic study of mouse parietal bones. Abe K, et al. **Arch Histol Jpn** 1984 Oct;47(4):429-40

Autoradiographic demonstration of in vitro fusion of blood monocytes with osteoclasts. Zambonin Zallone A, et al. **Basic Appl Histochem** 1985;29(1):45-8

Phagocytosis of bone collagen by osteoclasts in two cases of pycnodysostosis. Everts V, et al. **Calcif Tissue Int** 1985 Jan;37(1):25-31

Mammalian collagenase predisposes bone surfaces to osteoclastic resorption. Chambers TJ, et al. **Cell Tissue Res** 1985;241(3):671-5

Congenital osteopetrotic mutations as probes of the origin, structure, and function of osteoclasts. Marks SC Jr. **Clin Orthop** 1984 Oct;(189):239-63 (215 ref.)

Effect of substrate composition on bone resorption by rabbit osteoclasts. Chambers TJ, et al. **J Cell Sci** 1984 Aug; 70:61-71

Effect of parathyroid hormone and calcitonin on the cytoplasmic spreading of isolated osteoclasts. Chambers TJ, et al. **J Endocrinol** 1984 Sep;102(3):281-6

RADIATION EFFECTS

Whole-body irradiation inhibits the escape phenomenon of osteoclasts in bones of calcitonin-treated rats. Nakamura T, et al. **Calcif Tissue Int** 1985 Jan;37(1):42-5

Effects of ionizing irradiation on formation and resorbing activity of osteoclasts in vitro. Scheven BA, et al. **Lab Invest** 1985 Jul;53(1):72-9

[Reaction of an osteoclast population to ionizing radiation] Shvets VN, et al. **Radiobiologiia** 1985 Jan-Feb;25(1):108-11 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Cytoskeleton rearrangements during calcitonin-induced changes in osteoclast motility in vitro. Warshafsky B, et al. **Bone** 1985;6(3):179-85

Cell-substratum interaction of cultured avian osteoclasts is mediated by specific adhesion structures. Marchisio PC, et al. **J Cell Biol** 1984 Nov;99(5):1696-705

The pathobiology of the osteoclast. Chambers TJ. **J Clin Pathol** 1985 Mar;38(3):241-52 (143 ref.)

Cell surface characterization of the human osteoclast: phenotypic relationship to other bone marrow-derived cell types. Horton MA, et al. **J Pathol** 1984 Dec;144(4):281-94

OSTEOCYTES

DRUG EFFECTS

Steroid-induced accumulation of lipid in the osteocytes of the rabbit femoral head. A histochemical and electron microscopic study. Kawai K, et al. **J Bone Joint Surg** [Am] 1985 Jun;67(5):755-63

METABOLISM

Uptake of horseradish peroxidase by bone cells during endochondral bone development. Sasaki T, et al. **Cell Tissue Res** 1985;239(3):547-53

OSTEOGENESIS

Bone formation enhanced by induction. Bone growth in titanium implants in rats. Rønningen H, et al. **Acta Orthop Scand** 1985 Feb;56(1):67-71

Bone remodelling after renal transplantation (RT). Bonomini V, et al. **Adv Exp Med Biol** 1984;178:207-16

Direct current stimulation of bone production in the horse: preliminary study with a 'gap healing' model. Collier MA, et al. **Am J Vet Res** 1985 Mar;46(3):610-21

Direct current stimulation of bone production in the pony: observations with a diaphyseal osteotomy model. Collier MA, et al. **Am J Vet Res** 1985 Mar;46(3):600-9

Capacitively coupled electrical stimulation of bone healing in the horse: in vivo study with a Salter type IV osteotomy model with stainless steel surface electrodes. Collier MA, et al. **Am J Vet Res** 1985 Mar;46(3):622-31

Osteogenesis in vascularized periosteum. Interactions with underlying bone. Canalis RF, et al. **Arch Otolaryngol** 1985 Aug;111(8):511-6

Extracellular matrix proteins involved in bone induction are vitamin D dependent. Sampath TK, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):829-35

Mineral and matrix alterations in the bones of incisors-absent (ia/ia) osteopetrotic rats. Boskey AL, et al. **Calcif Tissue Int** 1985 May;37(3):287-92

Morphochemical analysis of phosphorus pools in calcifying cartilage. Kakuta S, et al. **Calcif Tissue Int** 1985 May; 37(3):293-9

Bone turnover in male puberty: a longitudinal study. Riis BJ, et al. **Calcif Tissue Int** 1985 May;37(3):213-7

Induction of bone xenografts of rabbit growth plate chondrocytes in the nude mouse. Wright GC Jr, et al. **Calcif Tissue Int** 1985 May;37(3):250-6

Bioelectrical osteogenesis: acceleration of fracture repair and bone growth. An alternative to bone grafting in nonunions. Walter TH. **Clin Podiatry** 1985 Jan;2(1):41-57

Developmental acquisition of type X collagen in the embryonic chick tibiotarsus. Schmid TM, et al. **Dev Biol** 1985 Feb;107(2):373-81

Collagen transition types during osteogenesis in Xenopus laevis. An immunofluorescence study with heterologous antisera. Nehyba J, et al. **Folia Morphol (Praha)** 1984; 32(3):260-4

Age-dependent decline in extracellular matrix-induced local bone differentiation. Reddi AH. **Isr J Med Sci** 1985 Mar; 21(3):312-3

Histomorphometric study of the dynamics of mineralization in a case of osteomalacia caused by anticonvulsants treated with 25(OH)d3. Portigliatti Barbos M, et al. **Ital J Orthop Traumatol** 1984 Dec;10(4):555-61

The influence of protein and/or energy deficiency on the growth of long bone in rats. Kuramitsu N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Apr;31(2):189-96

The effect of heat on bone regeneration: an experimental study in the rabbit using the bone growth chamber. Eriksson RA, et al. **J Oral Maxillofac Surg** 1984 Nov; 42(11):705-11

Osteogenic activity of antibiotic-supplemented bone allografts in the guinea pig. Petri WH 3d. **J Oral Maxillofac Surg** 1984 Oct;42(10):631-6

Electrical osteogenesis by low direct current. Baranowski TJ Jr, et al. **J Orthop Res** 1983;1(2):120-8

Medullary osteogenesis with platinum cathodes. Dymecki SM, et al. **J Orthop Res** 1985;3(2):125-36

Temporal course of bone formation in response to constant direct current stimulation. Esterhai JL, et al. **J Orthop Res** 1985;3(2):137-9

Induced osteogenesis—the biological principle and clinical applications. Mulliken JB, et al. **J Surg Res** 1984 Dec; 37(6):487-96

Reconstruction of the formative site in iliac trabecular bone in 20 normal individuals employing a kinetic model for matrix and mineral apposition. Eriksen EF, et al. **Metab Bone Dis Relat Res** 1984;5(5):243-52

Computerized simulation of bone remodeling: graphic demonstration of dynamic processes. Krumme H, et al. **Metab Bone Dis Relat Res** 1984;5(5):253-7

Direct and indirect measurements of osteoid seam width in human iliac crest trabecular bone. Vedi S, et al. **Metab Bone Dis Relat Res** 1984;5(6):269-74

The growth plate. Brighton CT. **Orthop Clin North Am** 1984 Oct;15(4):571-95 (59 ref.)

Sternal ossification in normal newborn infants. Odita JC, et al. **Pediatr Radiol** 1985;15(3):165-7

Interactions between acidic proteins and crystals: stereochemical requirements in biomineralization. Addadi L, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4110-4

Electrode oxygen consumption and tissue oxygen tension in relation to electrical bone stimulation. Renooij W, et al. **Reconstr Surg Traumatol** 1985;19:32-9

[Intramandibular segment of Meckel's cartilage in the rabbit embryo. Its cytological expression and osteogenetic fate] Bordet G, et al. **J Biol Buccale** 1984 Dec;12(4):297-308 (Eng. Abstr.) **(Fre)**

[Resorption and formation in metastatic bone] Valentin-Opran A, et al. **Rev Rhum Mal Osteoartic** 1984 Dec 15;51(11):627-32 (29 ref.) (Eng. Abstr.) **(Fre)**

[Defect replacement with osteogenin containing gelatin] Thielemann FW, et al. **Z Orthop** 1984 Nov-Dec; 122(6):843-7 (Eng. Abstr.) **(Ger)**

[Rare case of bilateral non-ossification of the epiphyseal nucleus of the tuberculum of the first rib] Montagnani A. **Chir Organi Mov** 1982-83;68(4-6):823-4 (Eng. Abstr.) **(Ita)**

[Various types of fluorescence in bone tissue] Portigliatti Barbos M. **Chir Organi Mov** 1984;69(2):193-8 (Eng. Abstr.) **(Ita)**

[Ossification process at the distal end of the mouse humerus] Takeuchi K, et al. **Kaibogaku Zasshi** 1984 Oct; 59(5):591-601 (Eng. Abstr.) **(Jpn)**

[Process of bone induction—bone induction factors] Takaoka K. **Nippon Seikeigeka Gakkai Zasshi** 1985 Mar;59(3):327-37

(Jpn)

[A count of osteogenic precursor cells in the bone marrow and their multiplication in cultures] Chailakhian RK, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):605–8 (Eng. Abstr.) (Rus)

[Histogenesis of skeletogenic tissue in bone regeneration during distraction] Lavrishcheva GI, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):198–201 (Eng. Abstr.) (Rus)

[Radionuclide study of reparative osteogenesis] Sveshnikov AA, et al. **Med Radiol (Mosk)** 1985 Jun;30(6):61–6 (50 ref.) (Rus)

[Radionuclide research on reparative bone formation during the treatment of spiral bone fractures of the leg by G. A. Ilizarov's method] Sveshnikov AA, et al. **Med Radiol (Mosk)** 1985 Aug;30(8):41–7 (Eng. Abstr.) (Rus)

[Variants of osteogenesis in the treatment of flail pseudarthroses by the compression–distraction method] Giul'nazarova SV, et al. **Ortop Travmatol Protez** 1985 May;(5):20–3 (Eng. Abstr.) (Rus)

[Dynamics of osteogenesis after limb lengthening during exposure to hyperbaric oxygenation] Shvetsov AA. **Ortop Travmatol Protez** 1984 Sep;(9):26–9 (Eng. Abstr.) (Rus)

[Biological aspects of bone lengthening] Stetsula VI, et al. **Ortop Travmatol Protez** 1984 Sep;(9):21–6 (Eng. Abstr.) (Rus)

[Role of blood circulation in reparative osteogenesis] Sveshnikov AA, et al. **Ortop Travmatol Protez** 1985 May;(5):23–7 (Eng. Abstr.) (Rus)

[Radionuclide studies of osteogenesis and blood circulation after experimental correction of extensive crural bone defects] Sveshnikov AA, et al. **Ortop Travmatol Protez** 1984 Nov;(11):33–7 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Inhibitory effect of chlorpromazine on bone formation in vivo and in vitro. Komoda T, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2389–91

Histogenesis of hyperosteoidosis in 1,25(OH)2D3–treated rats fed high levels of dietary calcium. Boyce RW, et al. **Bone** 1985;6(2):105–12

Ultrastructural development of hyperosteoidosis in 1,25(OH)2D3–treated rats fed high levels of dietary calcium. Boyce RW, et al. **Bone** 1985;6(3):165–72

1a,25–Dihydroxyvitamin D3 stimulates alkaline phosphatase activity and inhibits soft–tissue proliferation in implants of bone matrix. Vukičević S, et al. **Clin Orthop** 1985 Jun;(196):285–91

Effect of acetaldehyde on skeletogenesis in rats. Sreenathan RN, et al. **Drug Alcohol Depend** 1984 Oct;14(2):165–74

Alveolar wound healing alteration under uranyl nitrate intoxication. Guglielmotti MB, et al. **J Oral Pathol** 1985 Aug;14(7):565–72

The osteo–inductive properties of bone matrix from rats pretreated with indomethacin. Törnkvist H, et al. **Scand J Rheumatol** 1985;14(2):197–200

[Effect of the organophosphate insecticide chloracetophon on skeletal ossification and the development of internal organs in white rat fetuses] Khadzhitodorova E, et al. **Eksp Med Morfol** 1984;23(4):201–5 (Eng. Abstr.) (Bul)

[Stimulant effect of Epimedium in an injection form on the growth of the chick embryo femur in vitro] Gao ZF. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Mar;5(3):172–4, 133 (Eng. Abstr.) (Chi)

[Osteogenesis induced by the addition of demineralized bone matrix to plaster pellets with antibiotics. Animal experiment] Varlet A, et al. **Rev Chir Orthop** 1985;71(2):73–8 (Eng. Abstr.) (Fre)

OSTEOGENESIS IMPERFECTA

see related
DENTINOGENESIS IMPERFECTA

CLASSIFICATION

Osteogenesis imperfecta. A study of 10 cases. Sadile F, et al. **Ital J Orthop Traumatol** 1985 Mar;11(1):51–9

COMPLICATIONS

Osteogenesis imperfecta clinical features, hearing loss and stapedectomy. Biochemical, osteodensitometric, corneometric and histological aspects in comparison with otosclerosis. Pedersen U. **Acta Otolaryngol [Suppl] (Stockh)** 1985;415:1–36

Osteogenesis imperfecta: the missed fracture. Adler PM. **Am J Emerg Med** 1985 Jul;3(4):321–2

Occurrence of malignant hyperpyrexia in a patient with osteogenesis imperfecta. Rampton AJ, et al. **Br J Anaesth** 1984 Dec;56(12):1443–6

Osteogenesis imperfecta 1984 [letter] von Haacke N. **Br Med J [Clin Res]** 1984 Oct 6;289(6449):923

Strangulated diaphragmatic hernia in a patient with osteogenesis imperfecta. Spence PA, et al. **Can Med Assoc J** 1984 Dec 1;131(11):1369–70

Acute extradural haematoma following trivial trauma in a case of osteogenesis imperfecta. Diaz LA, et al. **Neurochirurgia (Stuttg)** 1985 Jul;28(4):180–1

[Osteogenesis imperfecta tarda and stapes surgery] Cremers CW. **Ned Tijdschr Geneeskd** 1985 May 11;129(19):888–90 (Eng. Abstr.) (Dut)

[Sclerodermiform lesions in Lobstein's disease] Duterque M, et al. **Ann Dermatol Venereol** 1984;111(8):685–6 (Fre)

[Neovascular choroid membrane and Lobstein's disease] Lepori JC, et al. **Bull Soc Ophtalmol Fr** 1984 Mar;84(3):305–7 (Eng. Abstr.) (Fre)

[Rare case of degenerative changes in the middle ear in osteogenesis imperfecta] Buczylko K, et al. **Otolaryngol Pol** 1984;38(6):533–7 (Eng. Abstr.) (Pol)

[Osteogenesis imperfecta––pathological fracture of the lower mandible in tooth extraction] Aljinovic N. **Chir Maxillofac Plast** 1984;14(1):37–42 (Eng. Abstr.) (Scr)

DIAGNOSIS

Prenatal diagnosis of a severe deforming type of osteogenesis imperfecta. Aylsworth AS, et al. **Am J Med Genet** 1984 Dec;19(4):707–14

Decreased scattering coefficient of blue sclerae. Lanting PJ, et al. **Clin Genet** 1985 Feb;27(2):187–90

Introduction to osteoporosis. A case presentation. Lenzner A, et al. **J Med** 1984;15(4):241–2

[The important differential diagnoses of unexplainable fractures in children] Stavem P, et al. **Tidsskr Nor Laegeforen** 1984 Dec 10;104(34):2379–80 (Nor)

DRUG THERAPY

Lack of effects of human calcitonin in osteogenesis imperfecta. Pedersen U, et al. **Acta Orthop Scand** 1985 Jun;56(3):260–4

FAMILIAL & GENETIC

Molecular heterogeneity in the mild autosomal dominant forms of osteogenesis imperfecta. Tsipouras P, et al. **Am J Hum Genet** 1984 Nov;36(6):1172–9

Osteogenesis imperfecta with unusual skeletal lesions: report of three families. Levin LS, et al. **Am J Med Genet** 1985 Jun;21(2):257–69

The ocular form of osteogenesis imperfecta: a new autosomal recessive syndrome. Beighton P, et al. **Clin Genet** 1985 Jul;28(1):69–75

Presence of translatable mRNA for pro alpha 2(I) chains in fibroblasts from a patient with osteogenesis imperfecta whose type I collagen does not contain alpha 2(I) chains. Chu ML, et al. **Coll Relat Res** 1984 Oct;4(5):389–94

Detection of a high frequency RsaI polymorphism in the human pro alpha 2(I) collagen gene which is linked to an autosomal dominant form of osteogenesis imperfecta. Grobler–Rabie AF, et al. **EMBO J** 1985 Jul;4(7):1745–8

Lethal osteogenesis imperfecta and a collagen gene deletion. Length polymorphism provides an alternative explanation. Sykes BC, et al. **Hum Genet** 1985;70(1):35–7

Altered triple helical structure of type I procollagen in lethal perinatal osteogenesis imperfecta. Bonadio J, et al. **J Biol Chem** 1985 Feb 10;260(3):1734–42

Multiexon deletion in an osteogenesis imperfecta variant with increased type III collagen mRNA. Chu ML, et al. **J Biol Chem** 1985 Jan 25;260(2):691–4

Osteogenesis imperfecta: cloning of a pro–alpha 2(I) collagen gene with a frameshift mutation. Pihlajaniemi T, et al. **J Biol Chem** 1984 Nov 10;259(21):12941–4

A heterozygous defect for structurally altered pro–alpha 2 chain of type I procollagen in a mild variant of osteogenesis imperfecta. The altered structure decreases the thermal stability of procollagen and makes it resistant to procollagen N–proteinase. Sippola M, et al. **J Biol Chem** 1984 Nov 25;259(22):14094–100

The clinical features of homozygous alpha 2(I) collagen deficient osteogenesis imperfecta. Nicholls AC, et al. **J Med Genet** 1984 Aug;21(4):257–62

Exclusion of the alpha 1(II) cartilage collagen gene as the mutant locus in type IA osteogenesis imperfecta. Sykes B, et al. **J Med Genet** 1985 Jun;22(3):187–91

Subtle structural alterations in the chains of type I procollagen produce osteogenesis imperfecta type II. Bonadio J, et al. **Nature** 1985 Jul 25–31;316(6026):363–6

Intron–mediated recombination may cause a deletion in an alpha 1 type I collagen chain in a lethal form of osteogenesis imperfecta. Barsh GS, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2870–4

METABOLISM

Proteoglycan modifications in cultured osteogenesis imperfecta skin fibroblasts. De Luca G, et al. **Ital J Biochem** 1984 Nov–Dec;33(6):403–12

Diminished type I collagen synthesis and reduced alpha 1(I) collagen messenger RNA in cultured fibroblasts from patients with dominantly inherited (type I) osteogenesis imperfecta. Rowe DW, et al. **J Clin Invest** 1985 Aug;76(2):604–11

[Osteogenesis imperfecta: contribution to pathobiochemistry] Pontz BF, et al. **Padiatr Padol** 1984;19(4):365–70 (Eng. Abstr.) (Ger)

MORTALITY

Consequences of an osteogenesis imperfecta diagnosis for survival and ambulation. Shapiro F. **J Pediatr Orthop** 1985 Jul–Aug;5(4):456–62

OCCURRENCE

On the paradoxically high relative prevalence of osteogenesis imperfecta type III in the black population of South Africa. Beighton P, et al. **Clin Genet** 1985 Apr;27(4):398–401

PATHOLOGY

Brittle hair in osteogenesis imperfecta: transmission and scanning electron microscopy and mycologic assay. Forslind B, et al. **Acta Derm Venereol (Stockh)** 1984;64(5):418–20

Collagen fibres in otosclerosis and in osteogenesis imperfecta tarda. A light and electron microscopic study. Balle VH, et al. **Acta Otolaryngol (Stockh)** 1984 Nov–Dec;98(5–6):413–7

Iliac bone histomorphometry in adults and children with osteogenesis imperfecta. Ste–Marie LG, et al. **J Clin Pathol** 1984 Oct;37(10):1081–9

Histopathology of the stapes in osteogenesis imperfecta. Pedersen U, et al. **J Laryngol Otol** 1985 May;99(5):451–8

Ultrastructural study on the stapes and skin in a case of type I Osteogenesis Imperfecta. Vitellaro–Zuccarello L, et al. **J Submicrosc Cytol** 1984 Oct;16(4):779–86

Histopathology of the temporal bone in osteogenesis imperfecta congenita: a report of 5 cases. Berger G, et al. **Laryngoscope** 1985 Feb;95(2):193–9

Histomorphological findings in dentine in nonlethal Osteogenesis imperfecta. Lukinmaa PL, et al. **Proc Finn Dent Soc** 1985;81(2):98–103

A clinical and ultrastructural study of osteogenesis imperfecta after flavonoid (Catergen) therapy. Jones CJ, et al. **S Afr Med J** 1984 Dec 15;66(24):907–10

Incisor and jaw relationship in 27 persons with osteogenesis imperfecta. Stenvik A, et al. **Scand J Dent Res** 1985 Feb;93(1):56–60

Correlation of ocular rigidity and blue sclerae in osteogenesis imperfecta. Kaiser–Kupfer MI, et al. **Trans Ophthalmol Soc UK** 1985;104 (Pt 2):191–5

RADIOGRAPHY

Vertebral bone mineral content in osteogenesis imperfecta. Kurtz D, et al. **Calcif Tissue Int** 1985 Jan;37(1):14–8

Costovertebral anomalies in osteogenesis imperfecta. Versfeld GA, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):602–4

SURGERY

Stapes surgery in patients with osteogenesis imperfecta. Armstrong BW. **Ann Otol Rhinol Laryngol** 1984 Nov–Dec;93(6 Pt 1):634–5

Closed intramedullary rodding for osteogenesis imperfecta. Middleton RW. **J Bone Joint Surg [Br]** 1984 Nov;66(5):652–5

Spondylolysis after spinal instrumentation in osteogenesis imperfecta. Barrack RL, et al. **South Med J** 1984 Nov;77(11):1453–4

[Massive intraoperative lung embolism caused by the introduction of a telescope pin (Bailey–Dubow pin) in a child with osteogenesis imperfecta] Fösel T, et al. **Anaesthesist** 1985 May;34(5):252–4 (Eng. Abstr.) (Ger)

THERAPY

The treatment of osteogenesis imperfecta. Root L. **Orthop Clin North Am** 1984 Oct;15(4):775–90

OSTEOLYSIS see under **BONE RESORPTION**

OSTEOLYSIS, ESSENTIAL see under **BONE RESORPTION**

OSTEOMA

[Osteomas of the paranasal sinuses] Udovički J, et al. **Med Pregl** 1983;36(11–12):507–9 (Eng. Abstr.) (Scr)

COMPLICATIONS

Osteoma of the middle ear. Cremers CW. **J Laryngol Otol** 1985 Apr;99(4):383–6

A small osteoma of the frontal sinus causing headaches. Leiberman A, et al. **J Laryngol Otol** 1984 Nov;98(11):1147–9

Intracranial aeroceles as a complication of frontal sinus osteoma. Hardwidge C, et al. **Surg Neurol** 1985 Oct;24(4):401–4

Foramen magnum syndrome caused by a dolichoodontoid process. Yanai Y, et al. **Surg Neurol** 1985 Jul;24(1):95–100

[Pneumocephalus secondary to fronto–ethmoidal osteoma] Fucci G, et al. **Radiol Med (Torino)** 1984 Apr;70(4):187–9 (Ita)

DIAGNOSIS

Choroidal osteomas. Alexander TA, et al. **Aust J Ophthalmol** 1984 Nov;12(4):373–8

Choroidal osteomas. Harris GS, et al. **Can J Ophthalmol** 1984 Oct;19(6):287–90

Aggressive ossifying fibroma of the mandible. Reaume CE, et al. **J Oral Maxillofac Surg** 1985 Aug;43(8):631–5

[False obstructive osteoma of the external auditory canal (fibrous dysplasia of the tympanic ring)] Basset JM, et al. **J Fr Otorhinolaryngol** 1984 Sep;33(7):353–6 (Fre)

[Significance of infrared angiography in the differential diagnosis of choroid tumors] Bischoff P. **Klin Monatsbl Augenheilkd** 1985 Mar;186(3):187-93 (Eng. Abstr.) **(Ger)**

[Ossifying fibroma of the ethmoid labyrinth and nasal cavity] Jordan J, et al. **Otolaryngol Pol** 1985;39(1):65-9 (Eng. Abstr.) **(Pol)**

[Rapidly growing osteoma of the frontal sinus in a 16-year-old boy] Szczerba W, et al. **Otolaryngol Pol** 1984; 38(4):333-6 (Eng. Abstr.) **(Pol)**

[Facial fibro-osteoma] Borowiec J, et al. **Wiad Lek** 1985 Mar 1;38(5):386-8 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Osteoma cutis: a case of probable exacerbation following treatment of severe acne with isotretinoin. Brodkin RH, et al. **Dermatologica** 1985;170(4):210-2

FAMILIAL & GENETIC

Mandibular osteomas in colorectal cancer. Søndergaard JO, et al. **Scand J Gastroenterol** 1985 Aug;20(6):759-61

[Albright's hereditary osteodystrophy with multiple cutaneous osteomas] Lorette G, et al. **Ann Dermatol Venereol** 1984;111(12):1073-9 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Benign fibro-osseous jaw lesions of periodontal membrane origin. An analysis of 249 cases. Hamner JE 3d, et al. **Cancer** 1968 Oct;22(4):861-78

Lingual osseous choristoma. Report of 2 cases. Shimono M, et al. **Int J Oral Surg** 1984 Aug;13(4):355-9

Periosteal ossifying fibroma of the palate. Saito I, et al. **J Periodontol** 1984 Dec;55(12):704-7

Psammomatoid (juvenile) ossifying fibroma of the orbit. Margo CE, et al. **Ophthalmology** 1985 Jan;92(1):150-9

[Epibulbar osteoma] Zografos L, et al. **J Fr Ophtalmol** 1984; 7(10):625-6 **(Fre)**

[Case of a rare maxillary tumor: osteocementofibroma] Mugnier A, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(5):399-402 (Eng. Abstr.) **(Fre)**

[Osteomas of the mandibular condyle. A case report of particular surgical interest] Baraglia M, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):275-8 (Eng. Abstr.) **(Ita)**

[Giant osteoma of the frontal sinuses and ethmoidal labyrinth penetrating the cranial cavity] Ponomarev LE, et al. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):87-8 **(Rus)**

RADIOGRAPHY

Massive juvenile ossifying fibroma of maxillary sinus with orbital involvement. Shields JA, et al. **Br J Ophthalmol** 1985 May;69(5):392-5

Osteoma cutis: computed tomography appearance. Mahoney PD, et al. **J Comput Tomogr** 1985 Jan;9(1):61-3

Radiographic characteristics of central ossifying fibroma. Eversole LR, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):522-7

[Panoramic tomography of the mandible in familial polyposis coli] Søndergaard JO, et al. **Ugeskr Laeger** 1984 Oct 8; 146(41):3109-10 (Eng. Abstr.) **(Dan)**

[Frontal osteoma with orbital extension. Apropos of a case] Constans JP, et al. **J Fr Ophtalmol** 1984;7(5):381-4 (Eng. Abstr.) **(Fre)**

[Pedicled osteoma of the maxillary sinus. A rare radiological finding?] Salvolini U, et al. **J Radiol** 1984 Jun-Jul; 65(6-7):455-61 (Eng. Abstr.) **(Fre)**

[Demarcation of the forms of osteofibrous tumors of the facial bones] Bausch J. **Laryngol Rhinol Otol (Stuttg)** 1984 Sep; 63(9):460-3 (Eng. Abstr.) **(Ger)**

[Computed tomographic detection of a bilateral choroidal osteoma] Tschakert H, et al. **ROFO** 1985 Jul;143(1):113-5 **(Ger)**

[Cranio-facial localization of Gardner's syndrome. Clinical case] Goia F, et al. **Minerva Stomatol** 1984 Nov-Dec; 33(6):945-8 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

[Bone scintigraphy of the maxillofacial fibro-osseous lesion] Okuyama T, et al. **Rinsho Hoshasen** 1985 May;30(5):601-2 **(Jpn)**

SURGERY

Treatment of osteoma cutis. Wilhelmsen HR, et al. **Cutis** 1984 May;33(5):481, 483

Giant metacarpal osteoma. A case report. Stern PJ, et al. **J Bone Joint Surg [Am]** 1985 Mar;67(3):487-9

Cranio-facial approach to ossifying fibromas. Janecka IP, et al. **Laryngoscope** 1985 Mar;95(3):305-6

[Osteoma of the temporal bone--a case report] Ohhashi M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 May; 87(5):590-5 (Eng. Abstr.) **(Jpn)**

VETERINARY

Extraskeletal osteoma in a cat. Jabara AG, et al. **Aust Vet J** 1984 Dec;61(12):405-7

Oncogenic retrovirus from spontaneous murine osteomas. I. Isolation and biological characterization. Schmidt J, et al. **J Gen Virol** 1984 Dec;65 (Pt 12):2237-48

OSTEOMA, OSTEOID

[Osteoid osteoma and similar diseases] Moravec O. **Acta Chir Orthop Traumatol Cech** 1984 Dec;51(6):517-24 (Eng. Abstr.) **(Cze)**

[Osteoid osteoma (case contributions)] Pisetti A, et al. **Chir Ital** 1984 Jun;36(3):463-8 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Osteoblastoma of the temporal bone presenting as facial paralysis. Naclerio RM, et al. **Int J Pediatr Otorhinolaryngol** 1985 Mar;8(3):253-62

Osteoid osteoma. Distant, periarticular, and subarticular lesions as a cause of knee pain. Torg JS, et al. **Sports Med** 1985 Jul-Aug;2(4):296-304

CONGENITAL

Possible congenital osteoid-osteoma of a phalanx. A case report. Szabo RM, et al. **J Bone Joint Surg [Am]** 1985 Jun; 67(5):815-6

DIAGNOSIS

Osteosarcoma resembling osteoblastoma. Bertoni F, et al. **Cancer** 1985 Jan 15;55(2):416-26

Spinal osteoblastoma in children and adolescents. Amacher AL, et al. **Childs Nerv Syst** 1985;1(1):29-32

Painful, mixed density mass of the right maxilla. Colman MF, et al. **J Am Dent Assoc** 1985 Feb;110(2):235-6

Osteoid osteoma of the proximal femur: new techniques in diagnosis and treatment. Kumar SJ, et al. **J Pediatr Orthop** 1984 Nov;4(6):669-72

Painless fibro-osseous lesion of the rib resembling osteoid osteoma: a report of six cases. McCarthy EF, et al. **Skeletal Radiol** 1985;13(4):263-6

Scoliogenic osteoblastoma of the posterior end of the rib [letter] Greenspan A. **Spine** 1984 Nov-Dec;9(8):841-2

[Difficulties and possibilities in the detection and removal of osteoid osteoma] Middendorf PR, et al. **Ned Tijdschr Geneeskd** 1985 May 18;129(20):929-32 **(Dut)**

[Osteoid osteoma of the toes. Apropos of 2 cases] Le Saout J, et al. **J Chir (Paris)** 1984 Aug-Sep;121(8-9):483-6 (Eng. Abstr.) **(Fre)**

[Vertebral osteoid osteoma. Diagnostic problems apropos of 3 cases] Onimus M, et al. **Rev Chir Orthop** 1985;71(1):63-9 (Eng. Abstr.) **(Fre)**

[Osteoid osteoma of the spine. Clinical, radiological, isotopic and x-ray computed tomographic study. Apropos of a case simulating spinal cord compression. Review of the literature] Ghozlan R, et al. **Rev Rhum Mal Osteoartic** 1984 Oct;51(9):497-501 **(Fre)**

[Osteoid osteoma: diagnostic errors] Pellacci F. **Chir Organi Mov** 1984;69(1):75-7 (Eng. Abstr.) **(Ita)**

[Infrared thermography in the diagnosis of bone tumors] Gudushauri ON, et al. **Ortop Travmatol Protez** 1985 Jun; (6):39-42 **(Rus)**

ETIOLOGY

[Benign osteoblastoma of the atlas. Case report] Kawamoto T, et al. **Neurol Med Chir (Tokyo)** 1985 Mar;25(3):223-8 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Prostaglandin E2 synthesis by human primary and metastatic bone tumors in culture. Gebhardt MC, et al. **Clin Orthop** 1985 Jun;(196):300-5

Aggressive osteoblastoma. A case report and review of the literature. Kenan S, et al. **Clin Orthop** 1985 May;(195):294-8

Osteoid osteoma of the mandible [letter] Gupta OP, et al. **Ear Nose Throat J** 1985 Apr;64(4):206, 208

An unusual presentation of osteoid osteoma. Sharma RK. **J Indian Med Assoc** 1984 Aug;82(8):284-7

Aggressive osteoblastoma. Roessner A, et al. **Pathol Res Pract** 1985 Jan;179(3):433-8

[Osteoid oteoma associated with intraosseous meningioma. A case report] Konishi Y, et al. **No Shinkei Geka** 1984 Nov;12(12):1403-8 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

The Viewbox. Osteoid osteoma. Yedlicka J. **IMJ** 1985 May; 167(5):341,396-9

Osteoblastoma of the temporal bone: CT findings. Gellad FE, et al. **J Comput Assist Tomogr** 1985 May-Jun; 9(3):577-9

Computed tomography of osteoid osteoma. Firooznia H, et al. **J Comput Tomogr** 1985 Jul;9(3):265-8

Benign osteoblastoma of the maxillary sinus. Tom LW, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug; 88(4):397-402

Osteoid osteoma of the femoral head. Dunlap H, et al. **Pediatr Radiol** 1985;15(4):262-3

Primary vertebral tumor in an adolescent girl. Rothschild EJ, et al. **Spine** 1984 Oct;9(7):695-701

[Diagnostic and therapeutic value of radiologic and scintigraphic studies. Apropos of a case of osteoid osteoma] Planchon CA, et al. **Ann Radiol (Paris)** 1984 Sep-Oct; 27(6):495-9 (Eng. Abstr.) **(Fre)**

[Variability of the radiologic characteristics of osteoid osteoma] Priolo F, et al. **Radiol Med (Torino)** 1984 May; 70(5):262-7 (Eng. Abstr.) **(Ita)**

[Combined treatment of malignant osteoblastoclastoma of the sacrum (a case report)] Lantsman IuV, et al. **Vopr Onkol** 1984;30(12):63-6 **(Rus)**

RADIONUCLIDE IMAGING

Intraoperative scintigraphic localization of the nidus of osteoid osteoma. Ellison MJ, et al. **Clin Nucl Med** 1984 Nov;9(11):640-2

Vertebral osteoid osteoma. A case report. Rodriguez-Fuentes AE, et al. **Int Orthop** 1985;8(4):295-8

Isotope bone scans in the assessment of children with hip pain or limp. Bower GD, et al. **Pediatr Radiol** 1985; 15(5):319-23

Osteoid osteoma: excision with scintimetric guidance. O'Brien TM, et al. **Radiology** 1984 Nov;153(2):543-4

Osteoid osteoma: operative confirmation of complete removal by bone scintigraphy. Papanicolaou N. **Radiology** 1985 Mar;154(3):821-2

Scintigraphic localization of bone lesions during surgery. Harcke HT, et al. **Skeletal Radiol** 1985;13(3):211-6

Lateral and computerized transverse 99mTc-Mdp bone scintigrams to supplement the anteroposterior bone scintigram for spinal hot spot localization. Report of a case. Fidler MW, et al. **Spine** 1984 Sep;9(6):655-7

[Peroperative isotope labeling in surgery for osteoid osteoma. Apropos of 2 case reports] Gille P, et al. **Rev Chir Orthop** 1985;71(2):123-6 (Eng. Abstr.) **(Fre)**

SURGERY

Osteoblastoma [letter] Osguthorpe JD. **Arch Otolaryngol** 1985 Mar;111(3):208

Osteoid osteoma of the hand. Doyle LK, et al. **J Hand Surg [Am]** 1985 May;10(3):408-10

[Resection of tumors of the proximal segment of the femur with preservation of the femur head by alloplasty] Imamaliev AS, et al. **Ortop Travmatol Protez** 1985 Feb; (2):51-2 **(Rus)**

[Method of treating benign tumors of the long tubular bones] Li AD, et al. **Sov Med** 1984;(12):113-4 **(Rus)**

[Remote results of the surgical treatment of tumors of the scapula] Kulish NI, et al. **Vestn Khir** 1984 Nov;133(11):81-2 **(Rus)**

OSTEOMALACIA

Osteomalacia presenting as pathological fractures during pregnancy in Asian women of high socioeconomic class. Dandona P, et al. **Br Med J [Clin Res]** 1985 Mar 16; 290(6471):837-8

[Milkman's syndrome] Manojlović D, et al. **Srp Arh Celok Lek** 1983 Sep-Oct;111(9-10):1373-80 (Eng. Abstr.) **(Scc)**

BLOOD

Adult hypophosphatemic osteomalacia: a case report. Phanichphant S, et al. **J Med Assoc Thai** 1984 Aug; 67(8):438-41

[Osteoporosis and osteoporomalacia in advanced age: plasma levels of 25-hydroxycholecalciferol] Sánchez Sánchez ML, et al. **Rev Clin Esp** 1984 Aug 15-31;174(3-4):79-83 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Vitamin D metabolism and bone histomorphometry in a patient with antacid-induced osteomalacia. Godsall JW, et al. **Am J Med** 1984 Oct;77(4):747-50

Histomorphometric evidence of deleterious effect of aluminum on osteoblasts. de Vernejoul MC, et al. **Bone** 1985;6(1):15-20

In vitro model of aluminum-induced osteomalacia: inhibition of hydroxyapatite formation and growth. Blumenthal NC, et al. **Calcif Tissue Int** 1984 Jul;36(4):439-41

Low rate of bone formation with or without histologic appearance of osteomalacia in patients with aluminum intoxication. Charhon SA, et al. **J Lab Clin Med** 1985 Aug; 106(2):123-31

Does long-term calcitriol therapy in dialyzed patients turn 'hyperparathyroid' into 'osteomalacic' problem? [letter] Giachino G, et al. **Nephron** 1985;40(1):124-5

Hypercalcaemic osteomalacia and encephalopathy due to aluminium intoxication in haemodialysis patients. Clinical aspects and treatment with desferrioxamine. Mudde AH, et al. **Neth J Med** 1985;28(1):6-11

Case report 285. Diagnosis: osteomalacia (rickets) and cerebellar atrophy secondary to the effects of diphenylhydantoin (dilantin). Moskowitz H, et al. **Skeletal Radiol** 1984;12(4):281-3

[Osteomalacia disclosing de Toni-Debré-Fanconi syndrome caused by the ingestion of 3-methylchromone] Ghozlan R, et al. **Rev Rhum Mal Osteoartic** 1985 Jan;52(1):61-2 **(Fre)**

[Unusual course of renal osteopathy with Paget's disease and aluminum deposits] Ringe JD, et al. **Dtsch Med Wochenschr** 1985 Mar 15;110(11):411-5 (Eng. Abstr.) **(Ger)**

[Effect of fluoride on the skeletal system] Franke J. **Z Gesamte Inn Med** 1984 Jul 1;39(13):293-7 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Osteopenias. Classification and clinical aspects] Zdrojewicz Z. **Wiad Lek** 1984 Nov 15;37(22):1817-24 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Electrocochleographic changes in the hearing loss associated with X-linked hypophosphataemic osteomalacia. O'Malley S, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug; 100(1-2):13-8

Hypophosphataemic osteomalacia associated with prostatic carcinoma. Murphy P, et al. **Br Med J [Clin Res]** 1985 Jun 29;290(6486):1945

The concurrence of hypoparathyroidism provides new insights to the pathophysiology of X-linked hypophosphatemic rickets. Lyles KW, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):711-7

Calcification of entheses associated with X-linked hypophosphatemic osteomalacia. Polisson RP, et al. **N Engl J Med** 1985 Jul 4;313(1):1-6

Chronic acidosis with metabolic bone disease. Bailey RR. **NZ Med J** 1985 Jun 26;98(781):483-4

[Acute respiratory insufficiency and osteomalacic myopathy: a casual association? (letter)] Agustí AG, et al. **Med Clin (Barc)** 1985 Apr 13;84(14):586 **(Spa)**

DIAGNOSIS

Osteomalacia presenting as pathological fractures during pregnancy in Asian women of high social class [letter] Dandona P. **Br Med J [Clin Res]** 1985 May 25; 290(6481):1591

Elevated bone aluminum content in dialysis patients without osteomalacia. McCarthy JT, et al. **Mayo Clin Proc** 1985 May;60(5):315-20

Vitamin D, rickets, and osteomalacia. Doppelt SH. **Orthop Clin North Am** 1984 Oct;15(4):671-86 (60 ref.)

Hypophosphataemic osteomalacia misdiagnosed as metastatic carcinoma. A case report. O'Donnell D, et al. **S Afr Med J** 1985 Jun 8;67(23):934-5

[Prostatic osteocondensing metastases. The value of examining for osteomalacia] Mage P, et al. **Ann Urol (Paris)** 1985;19(3):203-6 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Development of hypercalcemic hyperparathyroidism after long-term phosphate supplementation in hypophosphatemic osteomalacia. Report of two cases. Firth RG, et al. **Am J Med** 1985 Apr;78(4):669-73

Successful treatment of dialysis osteomalacia and dementia, using desferrioxamine infusions and oral 1-alpha hydroxycholecalciferol. Hood SA, et al. **Am J Nephrol** 1984;4(6):369-74

Single dose vitamin D treatment for osteomalacia in the elderly. Burns J, et al. **Br Med J [Clin Res]** 1985 Jan 26; 290(6464):281-2

Safety of treatment for subclinical osteomalacia in the elderly. Hosking DJ, et al. **Br Med J [Clin Res]** 1984 Sep 29; 289(6448):785-7

Healing of bone disease in X-linked hypophosphatemic rickets/osteomalacia. Induction and maintenance with phosphorus and calcitriol. Harrell RM, et al. **J Clin Invest** 1985 Jun;75(6):1858-68

[Treatment with vitamin D, D hormones and synthetic analogs] Kruse HP. **Dtsch Med Wochenschr** 1985 Jan 11; 110(2):66-70 **(Ger)**

ETIOLOGY

Oncogenic osteomalacia and renal adenomatoid dysplasia [letter] Lustman F, et al. **Ann Intern Med** 1985 Jun; 102(6):869-70

Oncogenic osteomalacia and inappropriate antidiuretic hormone secretion due to oat-cell carcinoma. Taylor HC, et al. **Ann Intern Med** 1984 Dec;101(6):786-8

Oncogenic osteomalacia [letter] Weiss D, et al. **Ann Intern Med** 1985 Apr;102(4):557

Metabolic bone disease and fractures in male alcoholics: a pilot study. Wilkinson G, et al. **Br J Addict** 1985 Mar; 80(1):65-8

Coeliac disease as a cause of osteomalacia and rickets in the Asian immigrant population [letter] Thalayasingam B. **Br Med J [Clin Res]** 1985 Apr 13;290(6475):1146-7

Exacerbation of rickets and osteomalacia by maize: a study of bone histomorphometry and composition in young baboons. Sly MR, et al. **Calcif Tissue Int** 1984 Jul; 36(4):370-9

Neoplastic pathology of oncogenic osteomalacia/rickets. Weidner N, et al. **Cancer** 1985 Apr 15;55(8):1691-705

Osteomalacia associated with aluminum intoxication in a patient with chronic renal failure. Bauer TW, et al. **Cleve Clin Q** 1985 Summer;52(2):271-8

Oncogenic osteomalacia associated with a mesenchymal chondrosarcoma. Stone E, et al. **Clin Invest Med** 1984; 7(3):179-85

Fecal loss of cholecalciferol in gastrectomized rats. Meyer MS, et al. **Digestion** 1984;30(4):200-3

Vitamin D deficiency and osteomalacia in the elderly. Barzel US. **Hosp Pract [Off]** 1984 Oct;19(10):129-34

Osteomalacia of very-low-birth-weight infants. Roberts WA, et al. **J Pediatr Orthop** 1984 Sep;4(5):593-8

Muscle pain and wasting in osteomalacia. Golding DN. **J R Soc Med** 1985 Jun;78(6):495-6

Metabolic bone disease in a patient on long-term total parenteral nutrition: a case report with review of literature. Seligman JV, et al. **JPEN** 1984 Nov-Dec;8(6):722-7

Oncogenic osteomalacia: strange tumours in strange places. Weiss D, et al. **Postgrad Med J** 1985 Apr;61(714):349-55

Vitamin D metabolites and osteomalacia in the human Fanconi syndrome. Colussi G, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:756-60

Rickets and osteomalacia. Lawson DE. **Proc Nutr Soc** 1984 Sep;43(3):249-56 (9 ref.)

Case report 294. Diagnosis: dialysis osteomalacia with response to desferrioxamine therapy. Xipell JM, et al. **Skeletal Radiol** 1984;12(4):298-302

[Not enough sunlight] Blom HJ, et al. **Ned Tijdschr Geneeskd** 1985 Jan 19;129(3):97-9 **(Dut)**

[Osteomalacia disclosing bone fluorosis caused by regular consumption of Vichy Saint-Yorre mineral water (letter)] Arlaud J, et al. **Presse Med** 1984 Nov 3;13(39):2393-4 **(Fre)**

[Is work-related exposure to vibration advisable in a patient wearing a silicone prosthesis?] Kákosy T, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(3):209-11 (Eng. Abstr.) **(Hun)**

[Nutritional osteomalacia. Description of a clinical case] Gherlinzoni F, et al. **Chir Organi Mov** 1982-83; 68(4-6):771-5 (Eng. Abstr.) **(Ita)**

[Hypophosphatemic osteomalacia of tumor origin: role of calcitonin and vitamin D] Isaia GC, et al. **Chir Organi Mov** 1984;69(4):407-12 (Eng. Abstr.) **(Ita)**

[Stress-induced changes in the knee joint in men working in a kneeling position] Popko J, et al. **Med Pr** 1984; 35(4):305-8 (Eng. Abstr.) **(Pol)**

[Osteomalacia in renal failure] Galus K. **Pol Arch Med Wewn** 1984 May;71(5):273-80 **(Pol)**

[Tumoral hypophosphatemic osteomalacia] Santamaria Sandi J, et al. **Med Clin (Barc)** 1985 Jun 29;85(5):191-3 (Eng. Abstr.) **(Spa)**

[Sporadic hypophosphoremic osteomalacia of late appearance. Presentation of a case] Rivera Redondo J, et al. **Rev Clin Esp** 1984 Oct 31;175(2):115-6 **(Spa)**

FAMILIAL & GENETIC

[Familial osteomalacia] Chu XY. **Chung Hua Nei Ko Tsa Chih** 1984 Jun;23(6):355-8, 398 (Eng. Abstr.) **(Chi)**

METABOLISM

The role of abnormal vitamin D metabolism in X-linked hypophosphatemic rickets and osteomalacia. Drezner MK. **Adv Exp Med Biol** 1984;178:399-404

The effect of a single massive dose of vitamin D (D2 or D3), on calcium, phosphorus and nitrogen metabolism in osteomalacia. Zhu XY, et al. **Chin Med J [Engl]** 1984 Apr; 97(4):295-306

Hypophosphataemic osteomalacia and myopathy: studies with nuclear magnetic resonance spectroscopy. Smith R, et al. **Clin Sci** 1984 Nov;67(5):505-9

Vitamin D metabolism and osteomalacia in cystic fibrosis. Friedman HZ, et al. **Gastroenterology** 1985 Mar; 88(3):808-13

Aluminum deposition at the osteoid-bone interface. An epiphenomenon of the osteomalacic state in vitamin D-deficient dogs. Quarles LD, et al. **J Clin Invest** 1985 May;75(5):1441-7

Incorporation of aluminium and effect of removal in experimental osteomalacia and fibro-osteoclasia. Hess T, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:387-9

Bone disease in long-term hemodialysis patients with low dialysate aluminium. Grekas DM, et al. **Uremia Invest** 1984; 8(1):9-15

[Intestinal absorption of calcium: physiological values and results in osteopathy] Kapitola J, et al. **Vnitr Lek** 1985 May; 31(5):451-6 (Eng. Abstr.) **(Cze)**

OCCURRENCE

Osteomalacia presenting as pathological fractures during pregnancy in Asian women of high social class [letter] **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1215

PATHOLOGY

The bone biopsy protocol for evaluating osteoporosis and osteomalacia. Vigorita VJ. **Am J Surg Pathol** 1984 Dec; 8(12):925-30

Protrusio acetabuli in osteoporosis and osteomalacia. Bible MW, et al. **Clin Exp Rheumatol** 1983 Oct-Dec;1(4):323-6

Tubular aggregates in skeletal muscle: toxic or metabolic nature? [letter] Dastur DK. **Clin Neuropathol** 1984 Nov-Dec;3(6):266-7

Histomorphometric study of the dynamics of mineralization in a case of osteomalacia caused by anticonvulsants treated with 25(OH)d3. Portigliatti Barbos M, et al. **Ital J Orthop Traumatol** 1984 Dec;10(4):555-61

Measurement of total resorption surface in iliac crest trabecular bone in man. Vedi S, et al. **Metab Bone Dis Relat Res** 1984;5(6):275-80

Direct and indirect measurements of osteoid seam width in human iliac crest trabecular bone. Vedi S, et al. **Metab Bone Dis Relat Res** 1984;5(6):269-74

RADIOGRAPHY

Case report 288: osteomalacia and secondary hyperparathyroidism (dialysis-induced), with aluminum deposition. Llewellyn CH, et al. **Skeletal Radiol** 1984; 12(3):223-6

RADIONUCLIDE IMAGING

The bone scan in patients with aluminium-associated bone disease. Botella J, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:403-9

SURGERY

[Lunate malacia and its treatment with lunate excision] Schmitt E, et al. **Z Orthop** 1984 Sep-Oct;122(5):643-50 (Eng. Abstr.) **(Ger)**

VETERINARY

[Diagnosis of osteopathy in cattle using bone biopsy] Marek J, et al. **Vet Med (Praha)** 1985 Aug;30(8):457-65 (Eng. Abstr.) **(Cze)**

OSTEOMYELITIS

Animal models of osteomyelitis. Mader JT. **Am J Med** 1985 Jun 28;78(6B):213-7

Osteomyelitis of the jaws: a review of 141 cases. Adekeye EO, et al. **Br J Oral Maxillofac Surg** 1985 Feb;23(1):24-35

Pyogenic infections of the spine [editorial] **Lancet** 1985 Mar 16;1(8429):619-20

[Osteomyelitis of neonates and infants] Továrek J, et al. **Acta Chir Orthop Traumatol Cech** 1985 Feb;52(1):74-80 (Eng. Abstr.) **(Cze)**

[Osteomyelitis in neonates and young infants] Spičáková V, et al. **Cesk Pediatr** 1985 Feb;40(2):85-7 (Eng. Abstr.) **(Cze)**

CHEMICALLY INDUCED

Unusual presentation of spinal osteomyelitis in a patient taking propylthiouracil. A case report. Kornberg M, et al. **Spine** 1985 Jan-Feb;10(1):104-7

COMPLICATIONS

Ischemia of the childhood femoral and humeral head epiphyses following osteomyelitis. A hypothesis on its cause. Mortensson W, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(4):269-72

Mycotic pseudoaneurysm of an aortic bypass graft and contiguous vertebral osteomyelitis due to Aspergillus fumigatus. Brandt SJ, et al. **Am J Med** 1985 Aug; 79(2):259-62

Hemophilus aphrophilus meningitis followed by vertebral osteomyelitis and suppurative psoas abscess. Petty BG, et al. **Am J Med** 1985 Jan;78(1):159-62

Acute bacterial endocarditis, osteomyelitis, and an arteriovenous fistula in an intravenous drug abuser. Mandarano C, et al. **Ann Allergy** 1985 May;54(5):385-9

Air in the bones: multifocal anaerobic osteomyelitis associated with oat cell carcinoma. Philippe J, et al. **Br Med J [Clin Res]** 1985 Mar 30;290(6473):969

Squamous cell carcinoma in chronic osteomyelitis. Report of a case and review of the literature. Sankaran-Kutty M, et al. **Clin Orthop** 1985 Sep;(198):264-7

Bacterial endocarditis presenting as acute vertebral osteomyelitis: 14 cases. Ninet J, et al. **Eur Heart J** 1984 Oct;5 Suppl C:101-5

Ultrasonographic confirmation of a thigh abscess. Beckmann CR, et al. **IMJ** 1985 Feb;167(2):126-7

Thrombocytosis associated with acute osteomyelitis. Robey C, et al. **Infection** 1984 Nov-Dec;12(6):384-6

Angiosarcoma in chronic osteomyelitis. Bacchini P, et al. **Ital J Orthop Traumatol** 1984 Sep;10(3):393-8

Pustulosis palmaris et plantaris: its association with chronic recurrent multifocal osteomyelitis. Paller AS, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 2):927-30

Osteomyelitis in spinal cord injured people. Sugarman B. **J Am Paraplegia Soc** 1984 Oct;7(4):73-5

Epidermoid carcinoma and pathological fracture developing in a case of chronic osteomyelitis. Singh DR, et al. **J Indian Med Assoc** 1984 Dec;82(12):449-50

Salmonella osteomyelitis in a patient with systemic lupus erythematosus. Sattar MA, et al. **J Infect** 1984 Jul;9(1):93-6

Vertebral osteomyelitis as another cause of low back pain: case report. Huslig EL. **J Manipulative Physiol Ther** 1984 Sep;7(3):175-8

[Infectious osseous complications in patients on chronic hemodialysis therapy] Věsin S, et al. **Cesk Radiol** 1985 May; 39(3):173-80 (Eng. Abstr.) **(Cze)**

[Unclear leg swelling following osteomyelitis] Löhr E, et al. **Radiologe** 1984 Oct;24(10):491-2 **(Ger)**

[Disseminated bone tuberculosis with osteomyelitis and septicemia caused by Staphylococcus epidermis. Report of a case] Kuriya N, et al. **Nippon Naika Gakkai Zasshi** 1984 May;73(5):653-8 **(Jpn)**

[Correction of a deformity of the femur using Ilizarov's apparatus in a 3-year-old child with chronic osteomyelitis] Saenko OL. **Vestn Khir** 1984 Nov;133(11):106-7 **(Rus)**

[Endocarditis of the pulmonary valve and multiple vertebral osteomyelitis caused by Pseudomonas aeruginosa] Montejo Baranda M, et al. **Rev Clin Esp** 1984 Sep 30;174(6):261-2 **(Spa)**

CONGENITAL

[Spinous process osteomyelitis of the thoracic vertebrae 10 and 11 in a newborn infant] Bode H, et al. **Klin Padiatr** 1985 Jan-Feb;197(1):65-7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Diagnostic strategies in osteomyelitis. Wheat J. **Am J Med** 1985 Jun 28;78(6B):218-24 (33 ref.)

Pott's puffy tumor. A clinical marker for osteomyelitis of the skull. Koch SE, et al. **Arch Dermatol** 1985 Apr; 121(4):548-9

Chronic recurrent multifocal osteomyelitis. A case report. Murray SD, et al. **J Bone Joint Surg [Am]** 1984 Sep; 66(7):1110-2

Serological diagnosis of Staphylococcus aureus osteomyelitis. Wheat LJ, et al. **J Clin Microbiol** 1985 May;21(5):764-7

Chronic osteomyelitis of the zygomatico-maxillary complex. Cutchavaree A, et al. **J Med Assoc Thai** 1984 Dec; 67(12):687-93

Bone and joint infection in patients with sickle cell disease. Mallouh A, et al. **J Pediatr Orthop** 1985 Mar-Apr; 5(2):158-62

Nuclear magnetic resonance (NMR) imaging in the diagnosis of spinal osteomyelitis. Smith FW, et al. **Magn Reson Imaging** 1984;2(1):53-6

Rib osteomyelitis in children. Early radiologic and ultrasonic findings. Bar-Ziv J, et al. **Pediatr Radiol** 1985;15(5):315-8

Asymptomatic osteomyelitis of the symphysis pubis. Evans TW, et al. **Postgrad Med J** 1985 Mar;61(713):267-8

Vertebral osteomyelitis: assessment using MR. Modic MT, et al. **Radiology** 1985 Oct;157(1):157-66

Isolated cryptococcus osteomyelitis of the humerus simulating a neoplasm of bone in a patient with sarcoidosis. Case report 329. Levine AM, et al. **Skeletal Radiol** 1985; 14(2):152-6

[A rare localization of osteomyelitis in a child] Truong P, et al. **J Radiol** 1984 Jun-Jul;65(6-7):493-6 (Eng. Abstr.) **(Fre)**

[Haemophilus influenzae infections. 8. Osteomyelitis/arthritis] Handrick W, et al. **Padiatr Grenzgeb** 1985;24(4):317-23 (Eng. Abstr.) **(Ger)**

[Possibilities and prospects of quantitative distance infrared thermography in the study of pathology of the locomotor system] Ternovoĭ NK, et al. **Ortop Travmatol Protez** 1985 May;(5):68-71 (47 ref.) **(Rus)**

[Clinical characteristics of tertiary active syphilis] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1984 Dec;(12):32-6 (Eng. Abstr.) **(Rus)**

[Atypical course of hematogenic osteomyelitis of the femur] Tallashev MM, et al. **Vestn Khir** 1984 Oct;133(10):81-2 **(Rus)**

DRUG THERAPY

Role for newer beta-lactam antibiotics in treatment of osteomyelitis. Gentry LO. **Am J Med** 1985 Jun 7; 78(6A):134-9

Treatment of skin, skin structure, bone, and joint infections with ceftazidime. Gentry LO. **Am J Med** 1985 Aug 9; 79(2A):67-74

Imipenem/cilastatin in the treatment of osteomyelitis. MacGregor RR, et al. **Am J Med** 1985 Jun 7;78(6A):100-3

Cefmenoxime therapy in bacterial osteomyelitis. Sheftel TG, et al. **Am J Med** 1984 Dec 21;77(6A):17-20

Combined ceftriaxone and surgical therapy for osteomyelitis in hospital and outpatient settings. Eron LJ, et al. **Am J Surg** 1984 Oct 19;148(4A):1-4

Long-term intravenous antibiotic therapy in chronic osteomyelitis. Wagner DK, et al. **Arch Intern Med** 1985 Jun;145(6):1073-8

Evaluation of latamoxef as initial therapy of bone and joint infections in childhood. Aronoff SC, et al. **Chemotherapy** 1984;30(5):337-44

Infection with clindamycin-resistant bacteroides uniformis. Zar FA, et al. **Chemotherapy** 1985;31(1):29-33

Local administration of antibiotics with an implantable osmotic pump. Perry CR, et al. **Clin Orthop** 1985 Jan-Feb; (192):284-90

Chloramphenicol-resistant Salmonella tennessee osteomyelitis [letter] Kiess W, et al. **Infection** 1984 Sep-Oct; 12(5):359

Use of the Broviac central venous catheter for intravenous antibiotic therapy in the orthopaedic patient. Pang DK, et al. **J Bone Joint Surg [Am]** 1985 Sep;67(7):1108-12

Gentamicin-impregnated PMMA beads: an introduction and review. Marcinko DE. **J Foot Surg** 1985 Mar-Apr; 24(2):116-21

Experimental and preliminary clinical experience with absorbable calcium phosphate granules containing an antibiotic or antiseptic for the local treatment of osteomyelitis. Eitenmüller J, et al. **J Hosp Infect** 1985 Mar; 6 Suppl A:177-84

Ciprofloxacin as therapy for experimental osteomyelitis caused by Pseudomonas aeruginosa. Norden CW, et al. **J Infect Dis** 1985 Feb;151(2):291-4

Ceftriaxone, a third generation cephalosporin. Johnson ES, et al. **J Med Soc NJ** 1984 Nov;81(11):941-4

Oral enoxacin used to cure spinal osteomyelitis due to aminoglycoside-resistant Pseudomonas aeruginosa [letter] Bailey RR, et al. **NZ Med J** 1985 Jun 26;98(781):508

Acute hematogenous staphylococcal osteomyelitis: evaluation of cloxacillin therapy in an animal model. Emslie KR, et al. **Pathology** 1984 Oct;16(4):441-6

Cefonicid in a once-daily regimen for treatment of osteomyelitis in an ambulatory setting. Kunkel MJ, et al. **Rev Infect Dis** 1984 Nov-Dec;6 Suppl 4:S865-9

Treatment of bacterial osteomyelitis and Staphylococcus aureus endocarditis and single-dose therapy for uncomplicated Neisseria gonorrhoeae infections: an overview. Mader JT, et al. **Rev Infect Dis** 1984 Nov-Dec; 6 Suppl 4:S857-64 (55 ref.)

Beta-lactam therapy of osteomyelitis and septic arthritis. Wilber RB. **Scand J Infect Dis [Suppl]** 1984;42:155-68 (143 ref.)

Oral antibiotic therapy for osteomyelitis of the foot in diabetic patients. Wilson KH, et al. **South Med J** 1985 Feb; 78(2):223-4

[Antibiotics in the treatment of acute osteomyelitis in children] Kudláčková M, et al. **Rozhl Chir** 1984 Nov; 63(11):760-7 (Eng. Abstr.) **(Cze)**

[Delay in the liberation of the polyvinylpyrrolidone iodine complex from porous, resorbable tricalcium phosphate ceramic granules by using soluble coatings in the local treatment of osteomyelitis. An animal experiment study] Eitenmüller J, et al. **Unfallheilkunde** 1984 Dec; 87(12):517-23 (Eng. Abstr.) **(Ger)**

[Lekopain in the treatment of chronic osteomyelitis (preliminary report)] Krauze W, et al. **Folia Med Cracov** 1984;25(1-2):200-6 (Eng. Abstr.) **(Pol)**

[Our experience with the treatment of chronic osteomyelitis using gentamicin beads 'Septopal'] Politowski M. **Folia Med Cracov** 1984;25(1-2):168-75 (Eng. Abstr.) **(Pol)**

[Endolymphatic therapy in suppurative-inflammatory diseases of the extremities and pelvis] Lokhvitskiĭ SV, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):129-32 **(Rus)**

[Experience with the treatment of a septicopyemic form of acute hematogenic osteomyelitis in children using intra-arterial infusions of antibiotics] Berezhnoĭ VI, et al. **Klin Khir** 1985;(6):46-8 (Eng. Abstr.) **(Rus)**

[Use of a chloracetophos ointment in the combined treatment of acute odontogenic inflammatory processes of the maxillofacial area] Khamitov FS, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):35-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Osteomyelitis secondary to cutaneous mucormycosis. Report of a case and a review of the literature. Maliwan N, et al. **Am J Dermatopathol** 1984 Oct;6(5):479-81

Risk factors for osteomyelitis. Wald ER. **Am J Med** 1985 Jun 28;78(6B):206-12 (59 ref.)

Septoplasty complicated by staphylococcal spinal osteomyelitis. Cohen BJ, et al. **Arch Intern Med** 1985 Mar; 145(3):556-7

Bone marrow rehydration [letter] Brewster D. **Cent Afr J Med** 1985 Feb;31(2):42-3

Brucella osteomyelitis of a closed femur fracture. Abrahams MA, et al. **Clin Orthop** 1985 May;(195):194-6

Spastic paraparesis due to cryptococcal osteomyelitis. A case report. Matsushita T, et al. **Clin Orthop** 1985 Jun; (196):279-84

Osteomyelitis of the great toe secondary to phlebotomy. Puczynski MS, et al. **Clin Orthop** 1984 Nov;(190):239-40

Methicillin-resistant Staphylococcus aureus osteomyelitis. Sheftel TG, et al. **Clin Orthop** 1985 Sep;(198):231-9

Clinical presentation and management of Pseudomonas osteomyelitis. Elliott SJ, et al. **Clin Pediatr (Phila)** 1985 Oct;24(10):566-70

The dog that bit the hand that led it. Latham R. **Hosp Pract [Off]** 1985 Jan 30;20(1A):62

Arachidonic acid facilitates experimental chronic osteomyelitis in rats. Rissing JP, et al. **Infect Immun** 1985 Jul;49(1):141-4

Model of experimental chronic osteomyelitis in rats. Rissing JP, et al. **Infect Immun** 1985 Mar;47(3):581-6

Sternoclavicular arthritis and osteomyelitis due to Pseudomonas aeruginosa, not related to drug abuse. Streifler J, et al. **Isr J Med Sci** 1985 May;21(5):458-9

Osteomyelitis complicating Mohs' chemosurgery. Snyder PA, et al. **J Am Acad Dermatol** 1984 Sep;11(3):513-6

A review of osteomyelitis with case presentation. Bravo AA, et al. **J Am Podiatr Med Assoc** 1985 Feb;75(2):83-9

Pseudomonas pyarthrosis and osteomyelitis from a puncture wound of the foot. Collins BS, et al. **J Am Podiatr Med Assoc** 1985 Jun;75(6):316-20

Chronic osteomyelitis in pin tracks. Green SA, et al. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1092-8

Primary aspergillosis of the spine mimicking Pott's paraplegia. McKee DF, et al. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1481-3

The clinicopathological spectrum of non-tuberculous mycobacterial osteoarticular infections. Marchevsky AM, et al. **J Bone Joint Surg [Am]** 1985 Jul;67(6):925-9

Coccidioidal osteomyelitis in a child's finger. A case report. Thorpe CD, et al. **J Bone Joint Surg [Am]** 1985 Feb; 67(2):330-2

Staphylococcus simulans septicemia in a patient with chronic osteomyelitis and pyarthrosis. Males BM, et al. **J Clin Microbiol** 1985 Feb;21(2):255-7

Cervical osteomyelitis caused by Pseudomonas cepacia in an intravenous-drug abuser. Smith MA, et al. **J Clin Microbiol** 1985 Mar;21(3):445-6

Metastatic nontraumatic Clostridium septicum osteomyelitis. Neimkin RJ, et al. **J Hand Surg [Am]** 1985 Mar;10(2):281-4

Sneakers as a source of Pseudomonas aeruginosa in children with osteomyelitis following puncture wounds. Fisher MC, et al. **J Pediatr** 1985 Apr;106(4):607-9

Group A streptococcal postvaricella osteomyelitis. Griebel M, et al. **J Pediatr Orthop** 1985 Jan-Feb;5(1):101-3

Streptococcal osteomyelitis associated with varicella virus infection: a case report and review of the literature. Liebergall M, et al. **J Pediatr Orthop** 1984 Nov;4(6):756-8

Stubbed finger osteomyelitis. Yellin JA, et al. **J Trauma** 1985 Aug;25(8):808-9

Nocardial osteomyelitis of the spine with epidural spinal cord compression--a case report. Awad I, et al. **Neurosurgery** 1984 Aug;15(2):254-6

Acremonium kiliense osteomyelitis of the calvarium. Brabender W, et al. **Neurosurgery** 1985 Apr;16(4):554-6

Case report 291. Diagnosis: Candida discitis and vertebral osteomyelitis at L1-L2 from hematogenous spread. Hayes WS, et al. **Skeletal Radiol** 1984;12(4):284-7

Case report 298. Osteomyelitis of the left clavicle due to Serratia marcescens. Quinn SF, et al. **Skeletal Radiol** 1985; 13(1):80-3

Osteomyelitis of the femur due to Fusobacterium mortifereum [letter] Chandran G, et al. **South Med J** 1985 Mar;78(3):365

Pseudomonas aeruginosa causing osteomyelitis after puncture wounds of the foot. Graham BS, et al. **South Med J** 1984 Oct;77(10):1228-30

Septic arthritis and osteomyelitis of the symphysis pubis (osteitis pubis) from intravenous drug use. Magarian GJ, et al. **West J Med** 1985 May;142(5):691-4

[BCG osteomyelitis and gonitis in a small child] Mařík I, et al. **Acta Chir Orthop Traumatol Cech** 1984 Dec; 51(6):495-503 (Eng. Abstr.) **(Cze)**

[Rare types of osteomyelitis. BCG and salmonella osteomyelitis] Hájková H, et al. **Rozhl Chir** 1984 Nov; 63(11):754-9 (Eng. Abstr.) **(Cze)**

[Septic arthritis and osteomyelitis resulting from human bites] Ejsted R, et al. **Ugeskr Laeger** 1984 Sep 24;146(39):2958-9 (Eng. Abstr.) **(Dan)**

[Urinary infection complicated by spinal osteomyelitis and aortic aneurysm] Nielsen KE, et al. **Ugeskr Laeger** 1984 Oct 22;146(43):3286-7 (Eng. Abstr.) **(Dan)**

[Osteomyelitis caused by initially unrecognized Salmonella typhi] van den Wall Bake AW, et al. **Ned Tijdschr Geneeskd** 1985 Mar 2;129(9):406-9 (Eng. Abstr.) **(Dut)**

[Osteomyelitis of the vertebrae as the result of urinary infection] Danielli L, et al. **Harefuah** 1985 Apr 1; 108(7):348-9 (Eng. Abstr.) **(Heb)**

[The role of antibiotic treatment in the management of post-traumatic wound suppuration and osteomyelitis] Kalas L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(1):26-34 (Eng. Abstr.) **(Hun)**

[A case of osteomyelitis caused by salmonella in a subject with thalassemia-drepanocytosis] Borsotti C, et al. **Chir Ital** 1985 Apr;37(2):219-23 (Eng. Abstr.) **(Ita)**

[Squamous cell carcinoma of the frontal sinus caused osteomyelitis of the frontal bone] Yura S, et al. **No Shinkei Geka** 1985 May;13(5):531-6 (Eng. Abstr.) **(Jpn)**

[Analysis of infectious complications after bone surgery] Drabik N, et al. **Folia Med Cracov** 1984;25(1-2):176-9 (Eng. Abstr.) **(Pol)**

[Intraoperative bone infections: the most common clinical forms] Piatkowski S. **Folia Med Cracov** 1984;25(1-2):145-9 (Eng. Abstr.) **(Pol)**

[Wound infection in orthopedic surgery] Witwicki T, et al. **Folia Med Cracov** 1984;25(1-2):179-84 (Eng. Abstr.) **(Pol)**

[Pathogenesis and treatment of infection] Shakina IuG, et al. **Ter Arkh** 1984;56(11):103-6 (Eng. Abstr.) **(Rus)**

[Acute frontoethmoiditis complicated by osteomyelitis of the frontal bone and subperiosteal and extradural abscess of the anterior cranial fossa] Ibragimov GT, et al. **Vestn Otorinolaringol** 1984 Sep-Oct;(5):61-2 **(Rus)**

[Hepatic abscess, osteomyelitis and monoclonal gammapathy in chronic brucellosis] Collazos González J, et al. **Rev Clin Esp** 1984 Aug 15-31;174(3-4):131-3 **(Spa)**

[Osteomyelitis of the pubis] Pérez Gorricho B, et al. **Rev Clin Esp** 1985 Feb;176(3):138-40 (Eng. Abstr.) **(Spa)**

[Vertebral osteomyelitis caused by anaerobes. A new case] Posada de la Paz M, et al. **Rev Clin Esp** 1984 Nov 15-30; 175(3-4):169-72 **(Spa)**

FAMILIAL & GENETIC

Trisomy 1q and loss of Y chromosome in a male with osteomyelosclerosis. Bauchinger M. **Acta Haematol (Basel)** 1984;72(2):131-4

[Report of a family with bone lesions and subcutaneous abscesses of unknown etiology] Endo M, et al. **Hokkaido Igaku Zasshi** 1984 Sep;59(5):658-65 (Eng. Abstr.) **(Jpn)**

HISTORY

Treatment fails test of time. Ilardi FJ. **J La State Med Soc** 1985 May;137(5):9–10

IMMUNOLOGY

[Nonspecific and specific host defense mechanisms in chronic post-traumatic bone infections] Hierholzer S, et al. **Unfallchirurg** 1985 Jun;88(6):255–62 (27 ref.) (Eng. Abstr.) (Ger)

[Phagocytosis in patients with a surgical profile uncomplicated and complicated by suppurative infection] Veselov AIa. **Khirurgiia (Mosk)** 1985 May;(5):121–3 (Rus)

[Immune complexes in various orthopedic diseases] Okuneva LM, et al. **Ortop Travmatol Protez** 1985 May;(5):27–30 (Eng. Abstr.) (Rus)

[Prognostic significance of cellular immunity in the early diagnosis of traumatic osteomyelitis in mandibular fractures] Zuev VP, et al. **Stomatologiia (Mosk)** 1984 Sep–Oct;63(5):46–8 (Eng. Abstr.) (Rus)

[Detection of antibodies to the teichoic acids of the Staphylococcus aureus cell wall in the sera of osteomyelitis patients] Vaneeva NP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jan;(1):49–51 (Eng. Abstr.) (Rus)

METABOLISM

[Mineral metabolism of bones in osteomyelitis] Sveshnikov AA, et al. **Patol Fiziol Eksp Ter** 1984 Jul–Aug;(4):63–5 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Eikenella corrodens tenosynovitis and osteomyelitis of the hand—a case report. Shimizu K, et al. **Nippon Geka Hokan** 1984 Nov 1;53(6):800–6

Adherent bacterial colonization in the pathogenesis of osteomyelitis. Gristina AG, et al. **Science** 1985 May 24; 228(4702):990–3

[Neonatal septic osteomyelitis. Report of 15 cases] Camassa NW, et al. **Radiol Med (Torino)** 1984 Sep;70(9):628–30 (Ita)

[Kingella kingae--a new infectious agent] Sjöberg L, et al. **Lakartidningen** 1985 Mar 6;82(10):858 (Swe)

OCCURRENCE

Pneumococcal osteomyelitis. An unusual cluster of cases. Hadari I, et al. **Clin Pediatr (Phila)** 1985 Mar;24(3):143–5

[The problem of osteomyelitis in Hungary with special reference to its hematogenous form] Boda A. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(2):127–42 (Eng. Abstr.) (Hun)

PATHOLOGY

Xanthogranulomatous osteomyelitis. Cozzutto C. **Arch Pathol Lab Med** 1984 Dec;108(12):973–6

Ultrastructural studies of adherence of Staphylococcus aureus in experimental acute hematogenous osteomyelitis. Speers DJ, et al. **Infect Immun** 1985 Aug;49(2):443–6

Diffuse sclerosing osteomyelitis of the mandible. Jacobsson S. **Int J Oral Surg** 1984 Oct;13(5):363–85 (83 ref.)

Chronic plasma cell osteomyelitis. Varzos PN, et al. **J Am Podiatr Med Assoc** 1985 May;75(5):258–61

Osteomyelitis of the mandible in a patient with malignant osteopetrosis. Osborn R, et al. **J Oral Med** 1985 Apr–Jun; 40(2):76–80

Primary subacute epiphyseal osteomyelitis: a report of three cases. Andrew TA, et al. **J Pediatr Orthop** 1985 Mar–Apr; 5(2):155–7

Infantile cortical hyperostosis with osteomyelitis of the humerus. Blasier RB, et al. **J Pediatr Orthop** 1985 Mar–Apr; 5(2):222–4

Osteomyelitis of the ischiopubic synchondrosis. Jarvis J, et al. **J Pediatr Orthop** 1985 Mar–Apr;5(2):163–6

Vaccinial osteomyelitis in a case of generalized intrauterine virus infection. Vorst EJ, et al. **Pediatr Pathol** 1983 Apr–Jun;1(2):221–8

Campylobacter osteomyelitis. Bracikowski JP, et al. **South Med J** 1984 Dec;77(12):1611–3

[An experimental study on pyogenic osteomyelitis with special reference to polymicrobial infections] Hidaka S. **Nippon Seikeigeka Gakkai Zasshi** 1985 Apr;59(4):429–41 (Eng. Abstr.) (Jpn)

[Various anatomopathological aspects of post-traumatic and postoperative bone infections] Warda E. **Folia Med Cracov** 1984;25(1–2):141–4 (Eng. Abstr.) (Pol)

[Multiple hematogenic osteomyelitis in children] Vorypin DM, et al. **Vestn Khir** 1984 Dec;133(12):67–9 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Osteomyelitis of the cervical spine: reversible quadraplegia resulting from Philadelphia collar placement. Slagel SA, et al. **Ann Emerg Med** 1985 Sep;14(9):912–5

PREVENTION & CONTROL

Infections in minimal incision surgery. Cangialosi CP. **Clin Podiatry** 1985 Jul;2(3):435–47

RADIOGRAPHY

Anatomic basis for the pathogenesis and radiologic features of vertebral osteomyelitis and its differentiation from childhood discitis. A microarteriographic investigation. Ratcliffe JF. **Acta Radiol [Diagn] (Stockh)** 1985 Mar–Apr; 26(2):137–43

Subacute symmetrical osteomyelitis [letter] Fujita K, et al. **Am J Dis Child** 1985 Aug;139(8):750–1

Rare forms of chronic osteomyelitis (multifocal recurrent periostitis and chronic symmetric osteomyelitis--report of 3 cases). Kozlowski K, et al. **Australas Radiol** 1984 May; 28(2):152–5

Acute hematogenous diaphyseal osteomyelitis in childhood. Tountas AA, et al. **Can Med Assoc J** 1985 Jun 1; 132(11):1287–8

Streptococcus viridans vertebral osteomyelitis with bacteremia. Green L, et al. **Isr J Med Sci** 1985 Feb; 21(2):173–4

The role of computed tomography and radionuclide scintigraphy in the localization of osteomyelitis in flat bones. Hernandez RJ, et al. **J Pediatr Orthop** 1985 Mar–Apr;5(2):151–4

Focal sclerosing osteomyelitis/focal periapical osteopetrosis: radiographic patterns. Eversole LR, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):456–60

Visualization of small sequestra by computerized tomography. Report of 6 cases. Hernandez RJ. **Pediatr Radiol** 1985;15(4):238–41

Tumorous osteomyelitis. Report of two cases. Kozlowski K, et al. **Pediatr Radiol** 1984;14(6):404–6

Hematogenous osteomyelitis with fat-fluid level shown by CT. Rafii M, et al. **Radiology** 1984 Nov;153(2):493–4

Chronic osteomyelitis examined by CT. Wing VW, et al. **Radiology** 1985 Jan;154(1):171–4

Multifocal, chronic osteomyelitis of unknown etiology. A further report. Kozlowski K, et al. **ROFO** 1985 Apr; 142(4):440–6

Case report 308. Diagnosis: disseminated syphilitic osteomyelitis (presumptively proved). Ushigome S, et al. **Skeletal Radiol** 1985;13(3):239–44

[Role of x-ray computed tomography in infectious spondylodiscitis. A review article] Hermann G. **J Radiol** 1985 Jan;66(1):13–20 (44 ref.) (Eng. Abstr.) (Fre)

[Circumscribed non-tuberculous osteomyelitis in children. Apropos of 31 cases] Laurent F, et al. **J Radiol** 1984 Aug–Sep;65(8–9):545–53 (Eng. Abstr.) (Fre)

[Computer tomography in chronic osteomyelitis] **Dtsch Med Wochenschr** 1985 Apr 26;110(17):698–9 (Ger)

[Computed tomographic diagnosis of intramedullary lesions of the long tubular bones] Wagner-Manslau C, et al. **Rontgenpraxis** 1985 Mar;38(3):101–3 (Ger)

[Venospondylography in the diagnosis of complications of inflammatory diseases of the spine] Tikhodeev SA, et al. **Ortop Travmatol Protez** 1984 Aug;(8):32–5 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

Scintigraphy in early detection of mandibular disorders. Kortekangas AE, et al. **Acta Otolaryngol (Stockh)** 1985 Mar–Apr;99(3–4):262–5

Chronic osteomyelitis: monitoring by 99mTc phosphate and 67Ga citrate imaging. Alazraki N, et al. **AJR** 1985 Oct; 145(4):767–71

Hematogenous pelvic osteomyelitis in children. Clinical correlates of newer scanning methods. Farley T, et al. **Am J Dis Child** 1985 Sep;139(9):946–9

Pubic osteomyelitis. Haentjens M, et al. **Clin Nucl Med** 1985 Jun;10(6):402

In-111 granulocyte response to intervening surgery. Evidence of sustained in vivo viability. Schauwecker DS, et al. **Clin Nucl Med** 1984 Aug;9(8):425–9

Comparison of indium-labeled-leukocyte imaging with sequential technetium-gallium scanning in the diagnosis of low-grade musculoskeletal sepsis. A prospective study. Merkel KD, et al. **J Bone Joint Surg [Am]** 1985 Mar; 67(3):465–76

Coincidence of infectious osteomyelitis and disseminated neuroblastoma: a diagnostic dilemma solved by scintigraphic imaging. Kiess W, et al. **J Cancer Res Clin Oncol** 1985;110(1):85–6

Value of a 24-hour image (four-phase bone scan) in assessing osteomyelitis in patients with peripheral vascular disease. Alazraki N, et al. **J Nucl Med** 1985 Jul;26(7):711–7

Should single-phase radionuclide bone imaging be used in suspected osteomyelitis? Fihn SD, et al. **J Nucl Med** 1984 Oct;25(10):1080–8

Gallium-67/technetium-99m methylene diphosphonate ratio imaging: early rabbit osteomyelitis and fracture. Hartshorne MF, et al. **J Nucl Med** 1985 Mar;26(3):272–7

Indium-111 chloride imaging in chronic osteomyelitis. Sayle BA, et al. **J Nucl Med** 1985 Mar;26(3):225–9

Effect of soft-tissue pathology on detection of pedal osteomyelitis in diabetics. Seldin DW, et al. **J Nucl Med** 1985 Sep;26(9):988–93

Sequential technetium-99m/gallium-67 scintigraphic evaluation of subclinical osteomyelitis complicating fracture nonunion. Esterhai J, et al. **J Orthop Res** 1985; 3(2):219–25

Nuclear imaging for musculoskeletal infections in children. Herndon WA, et al. **J Pediatr Orthop** 1985 May–Jun; 5(3):343–7

Osteomyelitis of the head and neck: sequential radionuclide scanning in diagnosis and therapy. Strauss M, et al. **Laryngoscope** 1985 Jan;95(1):81–4

Isotope bone scans in the assessment of children with hip pain or limp. Bower GD, et al. **Pediatr Radiol** 1985; 15(5):319–23

Osteomyelitis and infarction in sickle cell hemoglobinopathies: differentiation by combined technetium and gallium scintigraphy. Amundsen TR, et al. **Radiology** 1984 Dec;153(3):807–12

Bone scintigraphy in neonatal osteomyelitis [letter] Leonidas JC. **Radiology** 1985 Mar;154(3):835

Acute epiphyseal osteomyelitis in children. Rosenbaum DM, et al. **Radiology** 1985 Jul;156(1):89–92

Diagnosis of osteomyelitis of mandible by 99mTc-MDP and 67Ga citrate imaging. Sakamoto H, et al. **Tokai J Exp Clin Med** 1984 Oct;9(4):307–22

[113m in bone scanning: a new method for the early diagnosis of acute osteomyelitis] Zhu BL, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jan;23(1):33–5, 63 (Eng. Abstr.) (Chi)

[The diagnostic value of bone scintigraphy in acute hematogenic osteomyelitis and purulent arthritis in childhood] Kjøller SS, et al. **Ugeskr Laeger** 1984 May 7; 146(19):1426–9 (Eng. Abstr.) (Dan)

[Nuclear medical diagnosis in the treatment of Ilizarov's posttraumatic osteomyelitis] Svešnikov AA, et al. **Radiol Diagn (Berl)** 1984;25(5):587–94 (Eng. Abstr.) (Ger)

SURGERY

An aggressive treatment approach for adult osteomyelitis. Smith DJ Jr, et al. **Am Surg** 1985 Jul;51(7):363–6

Management of chronic sternal osteomyelitis. Johnson P, et al. **Ann Thorac Surg** 1985 Jul;40(1):69–72

Local muscle flaps in the treatment of chronic osteomyelitis. Fitzgerald RH Jr, et al. **J Bone Joint Surg [Am]** 1985 Feb; 67(2):175–85

The efficacy of free tissue transfer in the treatment of osteomyelitis [letter] Gordon L, et al. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1494–5

Ray resections in the insensitive or dysvascular foot: a critical review. Gianfortune P, et al. **J Foot Surg** 1985 Mar–Apr; 24(2):103–7

Tarsometatarsal amputation and tibialis anterior tendon transposition to cuneiform I. Turan I. **J Foot Surg** 1985 Mar–Apr;24(2):113–5

Salvage of the destroyed wrist. Arafa M, et al. **J Hand Surg [Br]** 1985 Jun;10(2):197–8

Successful autogenous corticocancellous grafting of a radial defect complicating acute hematogenous osteomyelitis in an infant. Dugdale TW 3d, et al. **J Pediatr Orthop** 1985 Jul–Aug;5(4):479–82

Treatment of Aspergillus infection of the proximal aortic prosthetic graft with associated vertebral osteomyelitis. Anderson J, et al. **J Vasc Surg** 1984 Jul;1(4):579–81

Reconstruction of post-traumatic sinus osteomyelitis. Lekas MD, et al. **Laryngoscope** 1984 Oct;94(10):1277–80

Double island latissimus dorsi muscle-skin flap for through-and-through defects of the forefoot. Rosen HM. **Plast Reconstr Surg** 1985 Sep;76(3):461–3

Muscle transposition for treatment of osteomyelitis of the tibia. Thomsen PB, et al. **Scand J Plast Reconstr Surg** 1985; 19(1):81–5

[Intravital staining with sulfan blue (disulphin blue) in radical surgery of osteomyelitis] Andersen K, et al. **Ugeskr Laeger** 1985 Feb 4;147(6):506–8 (Eng. Abstr.) (Dan)

[Muscle transposition in the treatment of chronic diffuse osteomyelitis in the lower limbs] Hansen AJ, et al. **Ugeskr Laeger** 1985 Apr 15;147(16):1334–7 (Eng. Abstr.) (Dan)

[Restoration of an infected hip joint with sartorius-plasty] Habermeyer P, et al. **Chirurg** 1984 Nov;55(11):733–6 (Eng. Abstr.) (Ger)

[Arterial supply of the sartorius muscle] Kaiser E, et al. **Chirurg** 1984 Nov;55(11):731–2 (Eng. Abstr.) (Ger)

[Operative tasks with regard to the cranial base for ENT medical care. II] Wullstein HL. **HNO** 1984 Aug; 32(8):313–9 (Eng. Abstr.) (Ger)

[Hematogenous osteomyelitis of the femur in elderly patients--special forms of pathogenesis] Geiselhart HP. **Unfallchirurgie** 1984 Aug;10(4):177–81 (Eng. Abstr.) (Ger)

[Treatment of chronic bone infections with extensive skin/soft tissue defect using free transplanted flaps with microvascular anastomoses] Schmidt HG, et al. **Unfallheilkunde** 1984 Oct;87(10):416–24 (Eng. Abstr.) (Ger)

[Our experience with the treatment of bacterial infections of long bone shafts] Kosłowski B, et al. **Folia Med Cracov** 1984;25(1–2):188–92 (Pol)

[Treatment of bacterial infection of bone tissue] Kozlowski B, et al. **Folia Med Cracov** 1984;25(1–2):192–5 (Pol)

[Effect of surgical treatment of chronic hematogenic osteomyelitis in children on the state of humoral and cellular immunity] Sleptsov VP, et al. **Klin Khir** 1985 (6):21–4 (Eng. Abstr.) (Rus)

[Irrigation-aspiration treatment of surgical wounds in osteomyelitis patients] Skoblin AP, et al. **Ortop Travmatol Protez** 1984 Oct;(10):54–5 (Rus)

[Reconstructive operations in defects of long tubular bones] Ternovoi KS, et al. **Ortop Travmatol Protez** 1984 Nov;(11):23-7 (Eng. Abstr.) **(Rus)**

[Basis for the operative approach and the surgical technic in frequently encountered localizations of acute hematogenic osteomyelitis in children] Gubov IuP. **Vestn Khir** 1984 Sep;133(9):117-20 **(Rus)**

[Transmyoplasty in the treatment of chronic osteomyelitis of the legs] Nikitin GD, et al. **Vestn Khir** 1985 Mar;134(3):95-100 (Eng. Abstr.) **(Rus)**

[Bone and bone-muscle autoplasty in the treatment of chronic osteomyelitis] Nikitin GD, et al. **Vestn Khir** 1984 Nov;133(11):110-6 (Eng. Abstr.) **(Rus)**

[Surgical treatment of bedsores, trophic ulcers and osteomyelitis in patients with injuries of the spine and spinal cord] Virozub ID, et al. **Zh Vopr Neirokhir** 1984 Jul-Aug;(4):28-32 (Eng. Abstr.) **(Rus)**

THERAPY

Gentamicin-PMMA beads in the treatment of chronic osteomyelitis. Majid SA, et al. **Acta Orthop Scand** 1985 Jun;56(3):265-8

Hyperbaric oxygen treatment of chronic osteomyelitis of the jaws. Van Merkesteyn JP, et al. **Int J Oral Surg** 1984 Oct;13(5):386-95

Outpatient treatment of osteomyelitis. Tomczak RL. **J Am Podiatr Med Assoc** 1985 May;75(5):261-3

Treatment of subacute osteomyelitis in childhood. Ross ER, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):443-8

Mismanagement of acute hematogenous osteomyelitis by traditional medicine men (native doctors) in the eastern and northern regions of Nigeria. Oguachuba HN. **Unfallchirurg** 1985 Aug;88(8):368-72

[Treatment of chronic osteomyelitis with combined traditional Chinese medicine and western medicine--analysis of 104 cases] Cao YK. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Nov;4(11):682-5 **(Chi)**

[Therapy of bone and joint infections] Sakurai M. **Nippon Seikeigeka Gakkai Zasshi** 1985 Apr;59(4):459-76 (124 ref.) **(Jpn)**

[Combined antibacterial, anticoagulative and fibrinolytic treatment of patients with bacterial osteomyelitis] Bartkowski SS, et al. **Folia Med Cracov** 1984;25(1-2):163-8 (Eng. Abstr.) **(Pol)**

[Electrical phenomena in the treatment of bacterial bone infection] Cieszyński T. **Folia Med Cracov** 1984;25(1-2):198-200 (Eng. Abstr.) **(Pol)**

[Nonspecific inflammation in the locomotor system] Czyrny S, et al. **Folia Med Cracov** 1984;25(1-2):206-11 (Eng. Abstr.) **(Pol)**

[Present-day approach to the management of hematogenic and post-traumatic bone infection] Popkirov S. **Folia Med Cracov** 1984;25(1-2):149-62 (Eng. Abstr.) **(Pol)**

[Bone formation after graded distraction in patients with open fractures of the long tubular bones complicated by purulent infection] Sarkisov DS, et al. **Arkh Patol** 1985;47(2):17-23 (Eng. Abstr.) **(Rus)**

[Principles of immunotherapy in osteomyelitis with respect to the recommendations of the World Health Organization] Dizik GM, et al. **Klin Khir** 1985 May;(5):28-31 (Eng. Abstr.) **(Rus)**

[Treatment of suppurative-septic diseases complicated by dysbacteriosis in young children] Navrotskiĭ VA. **Klin Khir** 1985;(6):57-8 (Eng. Abstr.) **(Rus)**

[Effect on nonspecific immunotherapy on several indices of cellular immunity among patients with purulent surgical infections] Konstantinov VN, et al. **Ortop Travmatol Protez** 1984 Oct;(10):20-3 (Eng. Abstr.) **(Rus)**

[Specialized orthopedic services for the invalids of World War II] Kuz'menko VV, et al. **Ortop Travmatol Protez** 1985 Apr;(4):12-6 **(Rus)**

[Indications for immunotherapy of acute hematogenic osteomyelitis in children] Proniakov VI. **Pediatriia** 1984 Sep;(9):34-7 **(Rus)**

[Use of the laser in the combined treatment of suppurative diseases and complications] Gorbashko AI, et al. **Vestn Khir** 1984 Oct;133(10):72-5 (Eng. Abstr.) **(Rus)**

[Personal experience in the treatment of osteomyelitis and infected fractures] Huraj E Sr, et al. **Acta Chir Orthop Traumatol Cech** 1985 Jun;52(3):201-11 (Eng. Abstr.) **(Slo)**

VETERINARY

Suppurative osteomyelitis in the foot of a rabbit. Liebenberg SP, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1382

Use of cancellous bone graft in treatment of navicular bone osteomyelitis in a foal. Markel MD, et al. **J Am Vet Med Assoc** 1985 Aug 1;187(3):278-80

Strategies for treatment of bone and joint infections in large animals. Orsini JA. **J Am Vet Med Assoc** 1984 Nov 15;185(10):1190-3 (19 ref.)

Cyclopia, congenital limb deformity, and osteomyelitis in the collared peccary, Tayassu tajacu (L.). Hellgren EC, et al. **J Wildl Dis** 1984 Oct;20(4):354-7

Tarsal osteomyelitis in foals. Firth EC, et al. **Vet Rec** 1985 Mar 9;116(10):261-6

OSTEONECROSIS

Spontaneous osteonecrosis of the knee. Gutowski WT. **Am Fam Physician** 1985 Apr;31(4):151-6

CHEMICALLY INDUCED

Avascular necrosis of bone following short-term dexamethasone therapy for brain edema. Case report. Fast A, et al. **J Neurosurg** 1984 Nov;61(5):983-5

Osteonecrosis after high dosage, short term corticosteroid therapy. Sambrook PN, et al. **J Rheumatol** 1984 Aug;11(4):514-6

Avascular necrosis of bone following combination chemotherapy for acute lymphocytic leukemia. Felix C, et al. **Med Pediatr Oncol** 1985;13(5):269-72

COMPLICATIONS

Joint occurrence of aseptic necrosis of the head of the third metacarpal and Freiberg's disease. Gurin J. **Acta Chir Hung** 1985;26(1):27-30

Osteonecrosis at multiple sites in a patient with systemic lupus erythematosus. Darlington LG. **Ann Rheum Dis** 1985 Jan;44(1):65-6

[Epiphyseal osteonecrosis, multiple bone infarctions and malignant fibrous histiocytoma] Péré P, et al. **Rev Rhum Mal Osteoartic** 1984 Jul-Sep;51(7-8):427-30 **(Fre)**

[Vertebral osteonecrosis. Apropos of 3 cases, 1 complicated by spinal cord compression and 2 associated with another necrotic localization] Queinnec JY, et al. **Rev Rhum Mal Osteoartic** 1985 Jan;52(1):1-5 (Eng. Abstr.) **(Fre)**

[Carpal tunnel syndrome induced by aseptic necrosis of the scaphoid bone] Kretschmer F. **Zentralbl Chir** 1985;110(10):623-5 **(Ger)**

DIAGNOSIS

Dysbaric osteonecrosis in differential diagnosis of malignant bone disease. Thomas DH, et al. **J R Soc Med** 1985 Jun;78(6):492-3

[Spontaneous osteonecrosis of the knee] Gutowski WT, et al. **Orthopade** 1985 Feb;14(1):58-63 **(Ger)**

[Idiopathic aseptic talus necrosis--case report] Hermie P, et al. **Rontgenblatter** 1985 Apr;38(4):124-5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Bone cement, thermal injury and the radiolucent zone. Mjöberg B, et al. **Acta Orthop Scand** 1984 Dec;55(6):597-600

Aseptic necrosis of the talus and calcaneal insufficiency fractures in a patient with pancreatitis, subcutaneous fat necrosis, and arthritis. Baron M, et al. **Arthritis Rheum** 1984 Nov;27(11):1309-13

Thermally induced bone necrosis in rabbits: relation to implant failure in humans [letter] Albrektsson T, et al. **Clin Orthop** 1985 May;(195):311-2

Avascular (aseptic) necrosis of bone following renal transplantation. Meakin CJ, et al. **Int J Artif Organs** 1985 Jan;8(1):19-20

The relationship between heating time and temperature for rat tail necrosis with and without occlusion of the blood supply. Morris CC, et al. **Int J Radiat Biol** 1985 Jan;47(1):41-8

Avascular necrosis after first metatarsal head osteotomies. Meisenhelder DA, et al. **J Foot Surg** 1984 Nov-Dec;23(6):429-35

Preiser's disease: a case report. Bray TJ, et al. **J Hand Surg [Am]** 1984 Sep;9(5):730-2

Intraosseous blood supply of the capitate and its correlation with aseptic necrosis. Vander Grend R, et al. **J Hand Surg [Am]** 1984 Sep;9(5):677-83

Benign necrotizing osteitis of the external auditory meatus. Youngs R, et al. **J Laryngol Otol** 1985 Aug;99(8):805-8

Tooth exfoliation and osteonecrosis of the maxilla after trigeminal herpes zoster. Garty BZ, et al. **J Pediatr** 1985 Jan;106(1):71-3

Multifocal osteonecrosis in adolescents with Crohn's disease: a complication of therapy? Shapiro SC, et al. **J Pediatr Gastroenterol Nutr** 1985 Jun;4(3):502-6

Transplant osteonecrosis [editorial] **Lancet** 1985 Apr 27;1(8435):965-6

Widespread osteonecrosis of the foot in systemic lupus erythematosus: radiographic and gross pathologic correlation. Resnick D, et al. **Skeletal Radiol** 1985;13(1):33-8

Osteonecrosis in the transplant recipient. Bradford DS, et al. **Surg Gynecol Obstet** 1984 Oct;159(4):328-34

Aseptic necrosis following renal transplantation: a 25-year experience. Farge D, et al. **Transplant Proc** 1985 Aug;17(4):1947-50

[Aseptic bone necrosis in systemic lupus erythematosus. Relationship to glucocorticoid therapy] Hansen EB, et al. **Ugeskr Laeger** 1985 Jun 17;147(25):2003-5 (Eng. Abstr.) **(Dan)**

[Aseptic sterno-costo-clavicular osteonecrosis after coronary revascularization by the internal mammary artery (letter)] Gaucher A, et al. **Presse Med** 1985 Jun 22;14(25):1384-5 **(Fre)**

[Disorders of fracture and osteotomy healing. An analysis of aseptic complications] Giebel G, et al. **Chirurg** 1984 Nov;55(11):725-30 (Eng. Abstr.) **(Ger)**

[Trauma-induced necrosis of the corpus tali] Grob D, et al. **Unfallchirurg** 1985 Apr;88(4):175-81 (Eng. Abstr.) **(Ger)**

[Spontaneous osteonecrosis of the knee joint] Vajda A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985;28(2):143-6 (Eng. Abstr.) **(Hun)**

[Incidence of osteodystrophy after transplantation: basic outlines and orthopedic problems] Giraldi A, et al. **Chir Ital** 1982 Jun;34(3):445-54 (Eng. Abstr.) **(Ita)**

[Necrosis of the maxillary bone after the Caldwell-Luc intervention] Politi M, et al. **Minerva Stomatol** 1984 Jul-Aug;33(4):737-41 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

[Immune complexes in various orthopedic diseases] Okuneva LM, et al. **Ortop Travmatol Protez** 1985 May;(5):27-30 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Significance of fracture form and bone necrosis for the treatment of open tibial fracture] Paul D. **Zentralbl Chir** 1985;110(12):729-38 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Medical surveillance of compressed air work support service personnel. O'Kelly FJ, et al. **J Soc Occup Med** 1984 Nov;34(4):124-6

[Prevention of cavities and of osteonecroses in patients irradiated in the oto-rhino-laryngologic area] Haefliger JM. **Rev Med Suisse Romande** 1985 Mar;105(3):247-53 **(Fre)**

RADIOGRAPHY

Thiemann's disease. Gewanter H, et al. **J Rheumatol** 1985 Feb;12(1):150-3

RADIONUCLIDE IMAGING

A prospective scintigraphic study of avascular necrosis of bone in renal transplant patients. Spencer JD, et al. **Clin Orthop** 1985 Apr;(194):125-35

SURGERY

Silastic arthroplasty for avascular necrosis of the carpal lunate. Pardini AG. **Int Orthop** 1984;8(3):223-7

High tibial osteotomy for varus gonarthrosis. A long-term follow-up study. Insall JN, et al. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1040-8

Intraosseous blood supply of the capitate and its correlation with aseptic necrosis. Vander Grend R, et al. **J Hand Surg [Am]** 1984 Sep;9(5):677-83

[Treatment of Kienböck's disease with segmentary shortening of the radius. Apropos of 28 cases] Razemon JP. **Chirurgie** 1984;110(6-7):600-7 (Eng. Abstr.) **(Fre)**

[Spontaneous femoral condyle necrosis of the knee joint (Ahlbäck disease)] Albers W, et al. **Zentralbl Chir** 1985;110(10):607-12 (Eng. Abstr.) **(Ger)**

OSTEOPATHY

A somatic component to myocardial infarction. Nicholas AS, et al. **Br Med J [Clin Res]** 1985 Jul 6;291(6487):13-7

Intrasubject experimental designs in osteopathic medicine: applications in clinical practice. Keating JC Jr, et al. **J Am Osteopath Assoc** 1985 Mar;85(3):192-203

EDUCATION

Changing times for interns. Feinstein AA, et al. **J Am Osteopath Assoc** 1985 Feb;85(2):74-6

Human sexuality instruction: curricula in osteopathic colleges. Johnson SM, et al. **J Am Osteopath Assoc** 1984 Sep;84(1):52-9

Psychology and a helpful form of medical practice. Bartley SH. **Percept Mot Skills** 1984 Oct;59(2):352-4

HISTORY

Louisa Burns Memorial Lecture: Re--search. Northup GW. **J Am Osteopath Assoc** 1984 Sep;84(1):67-70

The first 40 years of osteopathic medicine in New Jersey. Thompson RL, et al. **J Med Soc NJ** 1984 Sep;81(9):798-801

METHODS

Scientific research in osteopathy [editorial] Burton AK. **Br J Rheumatol** 1985 Feb;24(1):2-4

Are D.O.s real doctors? Garris CM. **J Med Assoc Ga** 1985 Mar;74(3):162-3

STANDARDS

The drive for professionalization in British osteopathy. Baer HA. **Soc Sci Med** 1984;19(7):717-25

OSTEOPETROSIS

[Juvenile osteopetrosis: a case report] Grobler JM, et al. **S Afr Med J** 1985 Aug 3;68(3):186-8 (Eng. Abstr.) **(Afr)**

CHEMICALLY INDUCED

[Medicamentous skeletal fluorosis] Crasselt C, et al.

Beitr Orthop Traumatol 1985 Feb;32(2):57–64 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Osteopetrosis in trauma. Fish RM. **J Emerg Med** 1983; 1(2):125–31

CONGENITAL

Non-immune hydrops fetalis due to osteopetrosis congenita. Mathur BP, et al. **Indian Pediatr** 1984 Aug;21(8):651–3

DIAGNOSIS

Pycnodysostosis referred as hydrocephalus. Yalaburgi SB, et al. **Practitioner** 1985 Mar;229(1401):209, 211

[Albers-Schönberg disease: apropos of a case report] Dhieb A, et al. **Tunis Med** 1983 Jul–Aug;61(4):291 **(Fre)**

EMBRYOLOGY

Fusion disability of embryonic osteoclast precursor cells and macrophages in the microphthalmic osteopetrotic mouse. Thesingh CW, et al. **Bone** 1985;6(1):43–52

FAMILIAL & GENETIC

Congenital osteopetrotic mutations as probes of the origin, structure, and function of osteoclasts. Marks SC Jr. **Clin Orthop** 1984 Oct;(189):239–63 (215 ref.)

Maxillofacial symptoms in two patients with pyknodysostosis. Zachariades N, et al. **J Oral Maxillofac Surg** 1984 Dec; 42(12):819–23

Femoral neck fracture in a child with autosomal dominant osteopetrosis. Greene WB, et al. **J Pediatr Orthop** 1985 Jul–Aug;5(4):483–5

Carbonic anhydrase II deficiency in 12 families with the autosomal recessive syndrome of osteopetrosis with renal tubular acidosis and cerebral calcification. Sly WS, et al. **N Engl J Med** 1985 Jul 18;313(3):139–45

[Familial occurrence of Albers-Schoenberg disease] Nowak J, et al. **Pol Tyg Lek** 1984 Aug 6;39(32):1075–7 **(Pol)**

IMMUNOLOGY

Immunological competence in osteopetrotic (ia) rats. Schneider GB, et al. **Immunobiology** 1984 Oct; 167(4):318–27

Dichloromethylene diphosphonate (Cl2MDP) reduces natural killer (NK) cell activity in mice. Labat ML, et al. **Metab Bone Dis Relat Res** 1984;5(6):281–7

MICROBIOLOGY

Sequences in the gag-pol-5'env region of avian leukosis viruses confer the ability to induce osteopetrosis. Shank PR, et al. **Virology** 1985 Aug;145(1):94–104

PATHOLOGY

Mineral and matrix alterations in the bones of incisors-absent (ia/ia) osteopetrotic rats. Boskey AL, et al. **Calcif Tissue Int** 1985 May;37(3):287–92

Osteomyelitis of the mandible in a patient with malignant osteopetrosis. Osborn R, et al. **J Oral Med** 1985 Apr–Jun; 40(2):76–80

Osteoclast populations in congenital osteopetrosis: additional evidence of heterogeneity. Marks CR, et al. **Metab Bone Dis Relat Res** 1984;5(5):259–64

Pathogenesis of osteopetrosis induced by rapid and slow onset plaque isolates of an avian osteopetrosis virus. Smith RE, et al. **Metab Bone Dis Relat Res** 1984;5(6):289–98

RADIOGRAPHY

Diffuse, increased radiodensity of the maxilla and mandible. DeBoom GW, et al. **J Am Dent Assoc** 1985 Mar; 110(3):381–2

Focal sclerosing osteomyelitis/focal periapical osteopetrosis: radiographic patterns. Eversole LR, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):456–60

[Sternal manifestation of osteopetrosis] Grabbe E, et al. **ROFO** 1984 Sep;141(3):356–7 **(Ger)**

VETERINARY

The mechanical properties of immature osteopetrotic bone. Ashman RB, et al. **Calcif Tissue Int** 1985 Jan;37(1):73–6

Avian leukosis virus-induced osteopetrosis is associated with the persistent synthesis of viral DNA. Robinson HL, et al. **Virology** 1985 Feb;141(1):130–43

[Morphological study of congenital osteopetrosis in op rats] Graf B. **Pathol Biol (Paris)** 1985 Feb;33(2):82–9 (Eng. Abstr.) **(Fre)**

OSTEOPHYTOSIS, SPINAL see **SPINAL OSTEOPHYTOSIS**

OSTEOPOIKILOSIS see under **OSTEOSCLEROSIS**

OSTEOPOROSIS

Primary osteoporosis. Fish HR, et al. **Am Fam Physician** 1985 Jan;31(1):216–23 (34 ref.)

Osteoporosis and menopause: a feminist analysis of the social construction of a syndrome. MacPherson KI. **ANS** 1985 Jul;7(4):11–22

Diagnosis and management of osteoporosis. Lukert BP. **Compr Ther** 1984 Dec;10(12):8–14

Osteoporosis. National Institutes of Health. **Conn Med** 1984 Oct;48(10):651–5

Osteoporosis of pregnancy. Smith R, et al. **Lancet** 1985 May 25;1(8439):1178–80

Osteoporosis. Stryker JC. **Mich Med** 1984 Aug;83(37):393–4, 405–6

Osteoporosis. National Institutes of Health Consensus Development Conference Statement. **Nat Inst Health Consensus Dev Conf Consensus Statement** 1984;5(3):6 p.

Osteoporosis. Lane JM, et al. **Orthop Clin North Am** 1984 Oct;15(4):711–28 (47 ref.)

The disease-specific benefits and risks of physical activity and exercise. Siscovick DS, et al. **Public Health Rep** 1985 Mar–Apr;100(2):180–8

[Etiopathogenesis and morphology of osteoporosis and atrophic osteopathies] Horn V, et al. **Acta Chir Orthop Traumatol Cech** 1984 Dec;51(6):485–94 (Eng. Abstr.) **(Cze)**

[The 'osteoporosis-pseudoglioma' syndrome] Lomíčková H, et al. **Cesk Oftalmol** 1984 Jun;40(2–3):89–95 (Eng. Abstr.) **(Cze)**

BLOOD

Reduction of lecithin-cholesterol acyltransferase, apolipoprotein D and the Lp(a) lipoprotein with the anabolic steroid stanozolol. Albers JJ, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):293–6

Osteoporosis in elderly men [letter] Foresta C, et al. **Clin Endocrinol (Oxf)** 1984 Sep;21(3):309–10

Lack of hormonal changes in postmenopausal women of equal weight with and without osteoporosis, including relation to time of menopause. Rico H, et al. **Clin Rheumatol** 1984 Sep;3(3):337–43

Electrochemical detection of depressed circulating levels of vitamin K1 in osteoporosis. Hart JP, et al. **J Clin Endocrinol Metab** 1985 Jun;60(6):1268–9

T lymphocyte subsets in osteoporosis. Effect of 1-alpha hydroxyvitamin D3. Fujita T, et al. **Miner Electrolyte Metab** 1984;10(6):375–8

[Comparative study of serum osteocalcin and of the histomorphometric evaluation of iliac biopsy in postmenopausal osteoporosis] Delmas PD, et al. **Rev Rhum Mal Osteoartic** 1984 Nov;51(10):581–4 (Eng. Abstr.) **(Fre)**

[Effect of intravenous calcium load on serum calcitonin levels in postmenopausal osteoporotic women] Zséli J, et al. **Orv Hetil** 1985 Mar 31;126(13):771–3 (Eng. Abstr.) **(Hun)**

[Osteocalcin level in the plasma of normal subjects and patients with metabolic bone disease—correlation between various serum parameters] Nakai R, et al. **Nippon Ronen Igakkai Zasshi** 1984 Nov;21(6):565–72 (Eng. Abstr.) **(Jpn)**

[Calcitonin deficiency in postmenopausal osteoporosis] Galán Galán F, et al. **Med Clin (Barc)** 1985 Jul 6;85(6):221–4 (Eng. Abstr.) **(Spa)**

[Osteoporosis and osteoporomalacia in advanced age: plasma levels of 25-hydroxycholecalciferol] Sánchez Sánchez ML, et al. **Rev Clin Esp** 1984 Aug 15–31;174(3–4):79–83 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Bone loss after glucocorticoid therapy. Lo Cascio V, et al. **Calcif Tissue Int** 1984 Jul;36(4):435–8

Bone mass in corticosteroid treated patients with rheumatoid arthritis, asthma and polymyalgia rheumatica. Reid DM, et al. **Scott Med J** 1985 Jan;30(1):54–5

[Osteoporosis caused by long term heparin therapy] Ringe JD, et al. **Med Monatsschr Pharm** 1985 Mar;8(3):80–3 **(Ger)**

[Effect of oils heated with aniline on development in the Wistar rat] Alía M, et al. **Arch Farmacol Toxicol** 1985 Apr; 11(1):63–8 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Heterogeneity of fracture syndromes in postmenopausal women. Johnston CC, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):551–6

[Osteopenias. Classification and clinical aspects] Zdrojewicz Z. **Wiad Lek** 1984 Nov 15;37(22):1817–24 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Unsuspected sacral fractures: detection by radionuclide bone scanning. Schneider R, et al. **AJR** 1985 Feb;144(2):337–41

Are patients with hip fractures more osteoporotic? Review of the evidence. Cummings SR. **Am J Med** 1985 Mar; 78(3):487–94

Metabolic bone disease in rheumatoid arthritis and osteoarthritis [letter] Verstraeten A, et al. **Ann Rheum Dis** 1985 Apr;44(4):283–4

Fractures after rheumatoid arthritis. A population-based study. Hooyman JR, et al. **Arthritis Rheum** 1984 Dec; 27(12):1353–61

Quantitative computed tomography for prediction of vertebral fracture risk. Cann CE, et al. **Bone** 1985;6(1):1–7

Structural scoliosis in osteoporotic women. Healey JH, et al. **Clin Orthop** 1985 May;(195):216–23

The effect of adjunctive methylmethacrylate on failures of fixation and function in patients with intertrochanteric fractures and osteoporosis. Bartucci EJ, et al. **J Bone Joint Surg [Am]** 1985 Sep;67(7):1094–107

The coexistence and characteristics of osteoarthritis and osteoporosis. Healey JH, et al. **J Bone Joint Surg [Am]** 1985 Apr;67(4):586–92

Costo-iliac impingement syndrome. Wynne AT, et al. **J Bone Joint Surg [Br]** 1985 Jan;67(1):124–5

[Osteoporosis and the localization of fractures] Lanik R. **Acta Chir Orthop Traumatol Cech** 1985 Apr;52(2):147–50 (Eng. Abstr.) **(Cze)**

[Getting older and remaining ambulatory; the relation between osteoporosis and fractures] Duursma SA, et al. **Ned Tijdschr Geneeskd** 1985 Apr 20;129(16):740–4 (Eng. Abstr.) **(Dut)**

[Occult damage to the femur neck in senile-/inactivity-osteoporosis] Reichelt HG. **Rontgenblatter** 1985 Jun;38(6):177–81 (Eng. Abstr.) **(Ger)**

[Spinal compression fractures in the elderly] Mizuno K. **Nippon Ronen Igakkai Zasshi** 1984 Jul;21(4):291–6 (Eng. Abstr.) **(Jpn)**

[Spinal deformity and back pain in spinal osteoporosis] Sato K. **Nippon Ronen Igakkai Zasshi** 1984 Jul;21(4):297–303 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Focal osteoporotic bone marrow defect. Wilson DF, et al. **Aust Dent J** 1985 Apr;30(2):77–80

The differential diagnosis of osteoporosis in post-menopausal women. Caniggia A. **Clin Exp Rheumatol** 1985 Jan–Mar; 3(1):1–3

Mechanism and detection of osteoporosis. Meckelnburg RL. **Del Med J** 1985 Jun;57(6):355–8

Transient osteoporosis of the hip. A case report and review of the literature. Kaplan SS, et al. **J Bone Joint Surg [Am]** 1985 Mar;67(3):490–3

Osteoporosis relative to head and neck. Khan A, et al. **J Med** 1984;15(4):279–84 (7 ref.)

Transient osteopaenia of the hip in children. Nicol RO, et al. **J Pediatr Orthop** 1984 Sep;4(5):590–2

Osteoporosis in postmenopausal women. Renner RP, et al. **J Prosthet Dent** 1984 Oct;52(4):581–8

Osteoporosis in primary care. Rudy DR, et al. **Ohio State Med J** 1985 Mar;81(3):208–12

[Noninvasive study methods in osteoporosis] Dambacher MA, et al. **Ther Umsch** 1985 Jun;42(6):339–50 (34 ref.) (Eng. Abstr.) **(Ger)**

[Diagnostic procedure in osteoporosis] Ringe JD, et al. **Z Rheumatol** 1984 Nov–Dec;43(6):285–90 (Eng. Abstr.) **(Ger)**

[Diagnosis and treatment of patients with osteoporosis in the post-climacteric period] Kotova SM, et al. **Vrach Delo** 1985 Mar;(3):114–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of postmenopausal osteoporosis with vitamin D and severe hypercalcemia. Buysschaert M, et al. **Acta Clin Belg** 1984;39(3):171–3

Serum alkaline phosphatase during hormone treatment in early postmenopausal women. A model for establishing optimal prophylaxis and treatment in postmenopausal osteoporosis. Christiansen C, et al. **Acta Med Scand** 1984; 216(1):11–7

Clinical, biochemical and histological results of a double-blind trial with 1,25-dihydroxyvitamin D3, estradiol and placebo in post-menopausal osteoporosis. Caniggia A, et al. **Acta Vitaminol Enzymol** 1984;6(2):117–28

Fluoride in the treatment of osteoporosis: risk of adverse effects on bone. Dubovsky J, et al. **Ala Med** 1985 Jun; 54(12):47, 50–4

Drug therapy for osteoporosis. Matteucci BM, et al. **Am Fam Physician** 1985 Jul;32(1):177–9

Absorption of calcium salts [letter] Borenstein B. **Am J Clin Nutr** 1985 Jan;41(1):173

Calcium supplementation and postmenopausal bone loss [letter] Taylor WH. **Br Med J [Clin Res]** 1985 Jan 12; 290(6462):156–7

Placebo therapy for postmenopausal osteoporosis. Elias C, et al. **Calcif Tissue Int** 1985 Jan;37(1):6–13

The ADFR concept revisited. Frost HM. **Calcif Tissue Int** 1984 Jul;36(4):349–53

Does 1,25(OH)2D3 accelerate spinal bone loss? A controlled therapeutic trial in 70-year-old women. Jensen GF, et al. **Clin Orthop** 1985 Jan–Feb;(192):215–21

The effect of calcium supplements on plasma alkaline phosphatase and urinary hydroxyproline in postmenopausal women. Horowitz M, et al. **Horm Metab Res** 1985 Jun; 17(6):311–2

Effect of long term treatment with calcitriol on calcium absorption and mineral metabolism in postmenopausal osteoporosis. Riggs BL, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):457–61

Reduction in intestinal calcium absorption by hydrochlorothiazide in postmenopausal osteoporosis. Sakhaee K, et al. **J Clin Endocrinol Metab** 1984 Dec; 59(6):1037–43

Short-term 1,25-dihydroxyvitamin D3 administration raises serum osteocalcin in patients with postmenopausal osteoporosis. Zerwekh JE, et al.

J Clin Endocrinol Metab 1985 Mar;60(3):615-7

The hormonal form of vitamin D in the pathophysiology and therapy of postmenopausal osteoporosis. Caniggia A, et al. **J Endocrinol Invest** 1984 Aug;7(4):373-8

Studies on the pathophysiology and therapy of osteoporosis. Ambrus JL, et al. **J Med** 1984;15(4):295-309 (95 ref.)

Study of antiosteoporotic agents in tissue culture. Robin JC, et al. **J Med** 1984;15(4):319-22

Synthetic calcitonin for postmenopausal osteoporosis. **Med Lett Drugs Ther** 1985 Jun 21;27(690):53-4

Treatment of osteoporosis with calcitonin, with and without growth hormone. Aloia JF, et al. **Metabolism** 1985 Feb; 34(2):124-9

1,25-Dihydroxycalciferol and calcium therapy in osteoporosis with calcium malabsorption. Dose response relationship of calcium absorption and indices of bone turnover. Need AG, et al. **Miner Electrolyte Metab** 1985; 11(1):35-40

Treatment of osteoporosis [letter] Woodard D. **N Engl J Med** 1985 Mar 7;312(10):647

Treatment of osteoporosis with sodium fluoride and calcium: effects on vertebral fracture incidence and bone histomorphometry. Lane JM, et al. **Orthop Clin North Am** 1984 Oct;15(4):729-45

Sodium fluoride treatment of bone disease in multiple myeloma. Gardner FH. **Tex Med** 1984 Dec;80(12):28-30

[Multidisciplinary study of the prolonged treatment of involution osteoporosis using sodium fluoride with calcium, phosphate and vitamin D] Courvoisier B, et al. **Schweiz Med Wochenschr** 1985 Jul 9;115(27-28):922-31 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of a fluoride-calcium preparation for the treatment of osteoporosis] Fuchs C, et al. **Arzneimittelforsch** 1984;34(7):832-5 (Eng. Abstr.) **(Ger)**

[Medicamentous skeletal fluorosis] Crasselt C, et al. **Beitr Orthop Traumatol** 1985 Feb;32(2):57-64 (Eng. Abstr.) **(Ger)**

[Combined fluoride/calcium therapy of osteoporosis] Krokowski E. **Fortschr Med** 1984 Nov 8;102(41):1067-70 (Eng. Abstr.) **(Ger)**

[Effective methods in the medical treatment of osteoporosis] Reutter FW. **Ther Umsch** 1985 Jun;42(6):351-7 (39 ref.) (Eng. Abstr.) **(Ger)**

[Mechanism of action of sodium fluoride in patients with osteoporosis] Galus K. **Pol Arch Med Wewn** 1984 Sep; 72(3):91-5 (Eng. Abstr.) **(Pol)**

[Long-term results of the treatment of postmenopausic osteoporosis with calcitonin and calcium] Rico Lenza H, et al. **Med Clin (Barc)** 1985 Apr 13;84(14):563-5 (Eng. Abstr.) **(Spa)**

ECONOMICS

[Evaluation of the hospital cost of osteoporosis during a period of 2 years. Experience at 'la Clinique Thérapeutique et rhumatologique' in Limoges] Trèves R, et al. **Rev Rhum Mal Osteoartic** 1985 Mar;52(3):191-3 **(Fre)**

ENZYMOLOGY

[Effect of ribonuclease on the development of experimental osteoporosis in animals of various ages] Podrušnjak JP, et al. **ZFA** 1984 Sep-Oct;39(5):271-3 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Late effects of gastric bypass for obesity. Crowley LV, et al. **Am J Gastroenterol** 1984 Nov;79(11):850-60

Risk factors for postmenopausal osteoporosis. Aloia JF, et al. **Am J Med** 1985 Jan;78(1):95-100

Osteoporosis and pathologic fractures in anorexia nervosa. Brotman AW, et al. **Am J Psychiatry** 1985 Apr;142(4):495-6

Metabolic bone disease and fractures in male alcoholics: a pilot study. Wilkinson G, et al. **Br J Addict** 1985 Mar; 80(1):65-8

Amenorrhoeic athletes: at risk of developing osteoporosis McArthur J. **Br J Sports Med** 1984 Dec;18(4):253-5

Premature loss of bone in chronic anorexia nervosa [letter] Aitken JM. **Br Med J [Clin Res]** 1985 Feb 16;290(6467):557

Premature loss of bone in chronic anorexia nervosa. Szmukler GI, et al. **Br Med J [Clin Res]** 1985 Jan 5;290(6461):26-7

Osteoporosis: current concepts. Lindsay R, et al. **Bull NY Acad Med** 1985 May;61(4):307-22

Calcium and aging [editorial] Fujita T. **Calcif Tissue Int** 1985 Jan;37(1):1-2

Osteoporosis. Experimental and clinical studies. Sevastik JA, et al. **Clin Orthop** 1984 Dec;(191):35-42

Nutritional considerations of osteoporosis. **Iowa Med** 1984 Dec;74(12):541-3 (31 ref.)

Postmenopausal osteoporosis as a manifestation of renal hypercalciuria with secondary hyperparathyroidism. Sakhaee K, et al. **J Clin Endocrinol Metab** 1985 Aug; 61(2):368-73

Experience with hypercalcemia and osteoporosis of neoplastic disease. Ambrus JL, et al. **J Med** 1984; 15(4):310-8 (39 ref.)

Pathogenesis, prevention and therapy of osteoporosis. Raisz LG, et al. **J Med** 1984;15(4):267-78

Risk factors in postmenopausal osteoporosis [editorial] **Lancet** 1985 Jun 15;1(8442):1370-2

Osteoporosis of pregnancy [letter] Aitken JM. **Lancet** 1985 Jul 6;2(8445):42

Calcium deficiency and postmenopausal osteoporosis [letter] Nordin BE. **Lancet** 1985 Sep 28;2(8457):720

Enigma of bone loss and osteoporosis [letter] Walker AR, et al. **Med J Aust** 1985 Jul 8;143(1):50-1

Lysinuric protein intolerance presenting as childhood osteoporosis. Clinical and skeletal response to citrulline therapy. Carpenter TO, et al. **N Engl J Med** 1985 Jan 31; 312(5):290-4

Osteopenia in women with anorexia nervosa [letter] Fonseca V, et al. **N Engl J Med** 1985 Aug 1;313(5):326-7

Relative contributions of aging and estrogen deficiency to postmenopausal bone loss. Richelson LS, et al. **N Engl J Med** 1984 Nov 15;311(20):1273-5

Osteoporosis in women with anorexia nervosa. Rigotti NA, et al. **N Engl J Med** 1984 Dec 20;311(25):1601-6

Age-related osteopenia: evidence for an intrinsic defect of bone resorbing cells and a possible treatment. Tyan ML. **Proc Soc Exp Biol Med** 1985 Jun;179(2):240-7

Osteoporosis. Morgan DB. **Surv Synth Pathol Res** 1984; 3(5):442-56 (58 ref.)

Involutional osteoporosis. Holló I. **Ther Hung** 1982; 30(2):59-71

[Development of osteoporosis] Krokowski E. **Fortschr Med** 1985 May 15;103(19):493-6 (Eng. Abstr.) **(Ger)**

[Serum calcitonin and adrenal steroid serum levels in primary biliary cirrhosis (effect of intravenous calcium)] Szalay F, et al. **Orv Hetil** 1984 Oct 14;125(42):2541-4, 2547 (Eng. Abstr.) **(Hun)**

[Osteopenia in diabetes mellitus] Abe R. **Nippon Ronen Igakkai Zasshi** 1984 Jul;21(4):322-7 (Eng. Abstr.) **(Jpn)**

[Osteoporosis, its pathogenesis and therapeutic suggestions] Hartwig W. **Chir Narzadow Ruchu Ortop Pol** 1984; 49(6):509-15 (Eng. Abstr.) **(Pol)**

[Osteoporosis in patients with diabetes mellitus type 1 and 2. Roentgeno-morphometric evaluation and changes in various parameters of calcium-phosphorus metabolism] Gasińska T. **Pol Tyg Lek** 1984 Apr 30;39(18):603-7 (Eng. Abstr.) **(Pol)**

[Diabetic osteoporosis--incidence, pathogenesis and therapeutic features] Gasińska T. **Pol Tyg Lek** 1984 Apr 30;39(18):621-4 (38 ref.) **(Pol)**

[Characteristics of bone tissue of rats after flight aboard biosputnik Kosmos-1129] Rogacheva IV, et al. **Kosm Biol Aviakosm Med** 1984 Sep-Oct;18(5):39-44 (Eng. Abstr.) **(Rus)**

[Craniopharyngioma associated with osteoporosis] Starkova NT, et al. **Probl Endokrinol (Mosk)** 1984 Sep-Oct; 30(5):57-8 **(Rus)**

[Changes in the skeletal system in primary biliary liver cirrhosis] Loginov AS, et al. **Vestn Rentgenol Radiol** 1985 May-Jun;(3):19-24 (Eng. Abstr.) **(Rus)**

[Osteoporosis in rheumatoid arthritis and the possible potentiating effect of corticosteroids] Curković B. **Acta Med Iugosl** 1985;39(1):75-84 (Eng. Abstr.) **(Ser)**

[Hepatic osteodystrophy in our environment] Suárez Jiménez MI, et al. **Rev Clin Esp** 1985 Mar;176(4):177-81 (Eng. Abstr.) **(Spa)**

[Osteoporosis caused by immobilization] Tornero Molina J. **Rev Clin Esp** 1984 Aug 15-31;174(3-4):69-74 (92 ref.) **(Spa)**

[New findings on osteoporosis] Ljunghall S. **Nord Med** 1985; 100(1):4-7 (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

Immunological function in osteoporosis. Duke-Cohan JS, et al. **Clin Immunol Immunopathol** 1985 Apr;35(1):125-9

METABOLISM

1-Alpha-OH-cholecalciferol (1-alpha-OH-D3) and optimal calcium intake in calcium deficiency osteoporosis mediated by parathyroid activity morphologic and biochemical changes in adult male rats. Lindholm TS, et al. **Acta Vitaminol Enzymol** 1985;7(1-2):39-47

Exercise and osteoporosis [letter] Holló I, et al. **Br Med J [Clin Res]** 1985 Jun 22;290(6485):1902

Intestinal lactase activity and calcium absorption in the aging female with osteoporosis. Pacifici R, et al. **Calcif Tissue Int** 1985 Jan;37(1):101-2

Lumbar spine bone mineral content by photon beam absorptiometry. Methodology and application in osteoporosis. Krølner B. **Dan Med Bull** 1985 Jun; 32(3):152-70 (103 ref.)

Osteoporosis: calcium, fluoride, and aluminum interactions. Spencer H, et al. **J Am Coll Nutr** 1985;4(1):121-8 (23 ref.)

The relation between calcium absorption, serum dehydroepiandrosterone, and vertebral mineral density in postmenopausal women. Nordin BE, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):651-7

Neutron activation studies and the effect of exercise on osteoporosis. Harrison JE. **J Med** 1984;15(4):285-94

Uptake of technetium-99m methylene diphosphonate by fractured and osteoporotic bone after a pulse dose of vitamin D3. Carr EA Jr, et al. **J Nucl Med** 1985 Apr; 26(4):385-9

Calcitonin secretion in postmenopausal osteoporosis. Tiegs RD, et al. **N Engl J Med** 1985 Apr 25;312(17):1097-100

Effect of active vitamin D3 analogs on the osteoporosis of rats caused by ovariectomy. Izawa Y, et al. **Nippon Juigaku Zasshi** 1985 Jun;47(3):349-56

[Intestinal absorption of calcium: physiological values and results in osteopathy] Kapitola J, et al. **Vnitr Lek** 1985 May; 31(5):451-6 (Eng. Abstr.) **(Cze)**

[Aging and bone loss] Morita R. **Nippon Ronen Igakkai Zasshi** 1984 Jul;21(4):311-6 (Eng. Abstr.) **(Jpn)**

NURSING

Nursing management of the woman with osteoporosis. Handy LC. **J Obstet Gynecol Neonatal Nurs** 1985 Mar-Apr; 14(2):107-11

OCCURRENCE

Prevalence of bone demineralization in the United States. Mangaroo J, et al. **Bone** 1985;6(3):135-9

Racial differences in calcitonin and katacalcin. Stevenson JC, et al. **Calcif Tissue Int** 1984 Dec;36(6):725-8

The epidemiology of osteoporosis. Wingate L. **J Med** 1984; 15(4):245-66 (63 ref.)

PATHOLOGY

The bone biopsy protocol for evaluating osteoporosis and osteomalacia. Vigorita VJ. **Am J Surg Pathol** 1984 Dec; 8(12):925-30

Quantitative histologic studies on the pathogenesis of periarticular osteoporosis in rheumatoid arthritis. Shimizu S, et al. **Arthritis Rheum** 1985 Jan;28(1):25-31

Protrusio acetabuli in osteoporosis and osteomalacia. Bible MW, et al. **Clin Exp Rheumatol** 1983 Oct-Dec;1(4):323-6

Bone density in osteopenic women: a modified distal radius density measurement procedure to develop an 'at risk' value for use in screening women. Grubb SA, et al. **J Orthop Res** 1984;2(4):322-7

Lymphoblastic leukemia with osteopenia and vertebral compression fractures [letter] Leheup B, et al. **J Pediatr** 1985 May;106(5):860

Expansion of the medullary cavity at the expense of cortex in postmenopausal osteoporosis. Keshawarz NM, et al. **Metab Bone Dis Relat Res** 1984;5(5):223-8

Can a calcaneal morphologic index determine the degree of osteoporosis? Cockshott WP, et al. **Skeletal Radiol** 1984; 12(2):119-22

[Application possibilities of an automatic image analyzer ('Quantimet 720') in bone histomorphometry] Hempel E, et al. **Anat Anz** 1984;157(2):177-83 (Eng. Abstr.) **(Ger)**

[Bone histomorphometry and biochemical examinations in osteoporosis] Imai Y, et al. **Nippon Ronen Igakkai Zasshi** 1984 Jul;21(4):317-21 (Eng. Abstr.) **(Jpn)**

[Pathological study of experimental osteoporosis] Kikuchi T. **Nippon Seikeigeka Gakkai Zasshi** 1984 Jun;58(6):543-53 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Effects of 1,25(OH)2D3 on bone tissue in the rabbit: studies on fracture healing, disuse osteoporosis, and prednisone osteoporosis. Lindgren JU, et al. **Calcif Tissue Int** 1984 Sep;36(5):591-5

An elderly man with a swollen elbow and fever. Sperber SJ. **Hosp Pract [Off]** 1985 Jan 15;20(1):165-7

Osteopenia of aging. Kahn A Jr. **J Arkansas Med Soc** 1985 Feb;81(9):478-80

Amelioration of oxygen-induced osteoporosis in the in vitro fetal rat tibia with a capacitively coupled electrical field. Brighton CT, et al. **J Orthop Res** 1985;3(3):311-20

Bone formation and resorption as the determinants of trabecular bone volume in normal and osteoporotic men. Nordin BE, et al. **Scott Med J** 1984 Jul;29(3):171-5

[The osteoporosis disease in menopausal women. Physiopathology and therapeutic impact] Meunier PJ. **Rev Fr Gynecol Obstet** 1985 Mar;80(4):205-7 (Eng. Abstr.) **(Fre)**

[Endocrinological aspects in patients with primary osteoporosis; especially calcium regulating hormones] Tomita A, et al. **Nippon Ronen Igakkai Zasshi** 1984 Jul; 21(4):304-10 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Thiazide diuretics and bone mineral content in postmenopausal women. Adland-Davenport P, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):630-4

Prevention and treatment of sciatic denervation disuse osteoporosis in the rat tibia with capacitively coupled electrical stimulation. Brighton CT, et al. **Bone** 1985; 6(2):87-97

Calcium supplementation and postmenopausal bone loss. Nilas L, et al. **Br Med J [Clin Res]** 1984 Oct 27; 289(6452):1103-6

Osteoporosis: protective measures of nutrition and exercise. Goodman CE. **Geriatrics** 1985 Apr;40(4):59-60, 65-7, 70

Does fluoridation of drinking-water prevent bone fragility and osteoporosis? Simonen O, et al. **Lancet** 1985 Aug 24; 2(8452):432-4

Prevention of postmenopausal osteoporosis [letter] Stevenson JC, et al. **Lancet** 1985 Aug 10;2(8450):334-5

Prevention of bone loss and fractures in women. Gordan GS. **Maturitas** 1984 Nov;6(3):225-42 (38 ref.)

Post-menopausal estrogen replacement: the prevention of osteoporosis and systemic effects. Lafferty FW, et al. **Maturitas** 1985 Jul;7(2):147-59

Osteoporosis in anorexia nervosa [letter] Silber TJ. **N Engl J Med** 1985 Apr 11;312(15):990-1

Efficacy of calcitonin in the prevention of experimental osteoporosis. Carrozzo M, et al. **Panminerva Med** 1984 Oct-Dec;26(4):267-72

Role of carbonic anhydrase in bone: plasma acetazolamide concentrations associated with inhibition of bone loss. Kenny AD. **Pharmacology** 1985;31(2):97-107

Evidence supports estrogen-progestogen replacement therapy. Gambrell RD Jr. **Postgrad Med** 1985 Jul;78(1):35, 38

Decreasing the incidence of osteoporosis-related injuries through diet and exercise. Larson KA, et al. **Public Health Rep** 1984 Nov-Dec;99(6):609-13

Studies on osteoporosis X. Effect of estrogen-progestin combination on heparin-induced osteoporosis. Robin JC, et al. **Steroids** 1983 Dec;42(6):669-75

Should postmenopausal women be given estrogen? Haber RJ. **West J Med** 1985 May;142(5):672-7

[Prevention of postmenopausal bone loss] Birkenhäger JC. **Ned Tijdschr Geneeskd** 1985 Jan 19;129(3):100-5 (54 ref.) **(Dut)**

[Protein and phosphate in our diet and progressive skeletal decalcification in postmenopausal women] Jonxis JH. **Ned Tijdschr Geneeskd** 1985 Jan 19;129(3):110-3 (Eng. Abstr.) **(Dut)**

[Evaluation of the effects of anabolic steroids, calcitonin and 25-hydroxycholecalciferol on the spongy bone of rats] Carrozzo M, et al. **Rev Rhum Mal Osteoartic** 1985 Jan; 52(1):17-9 (Eng. Abstr.) **(Fre)**

[Effect of elcatonin on experimental osteoporosis induced by ovariectomy and low calcium diet in beagles] Hori M, et al. **Nippon Yakurigaku Zasshi** 1984 Jul;84(1):91-8 (Eng. Abstr.) **(Jpn)**

[Effect of 1,25-dihydroxyvitamin D3 and 24,25-dihydroxyvitamin D3 on growth and remodeling of rat bones during hypokinesia (histomorphometric study)] Kabitskaia OE, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):49-55 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Quantitative computed tomography for spinal density measurement. Factors affecting precision. Rosenthal DI, et al. **Invest Radiol** 1985 May-Jun;20(3):306-10

The calcaneal index in the determination of osteoporosis. Baratelli M, et al. **Ital J Orthop Traumatol** 1984 Dec; 10(4):549-54

Bone loss in premenopausal and postmenopausal women. A cross-sectional and longitudinal study using quantitative computed tomography. Ruegsegger P, et al. **J Bone Joint Surg** [Am] 1984 Sep;66(7):1015-23

Computed tomography of spontaneous osteoporotic sacral fractures. Gacetta DJ, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1190-1

Noninfectious osseous alterations in the diabetic foot. Tuccio AT, et al. **J Foot Surg** 1985 Mar-Apr;24(2):154-7

Osteoporosis: assessment by quantitative computed tomography. Genant HK, et al. **Orthop Clin North Am** 1985 Jul;16(3):557-68 (50 ref.)

Hyperimmunoglobulinemia E syndrome: association with osteoporosis and recurrent fractures. Kirchner SG, et al. **Radiology** 1985 Aug;156(2):362

Pseudofractures in patients with low-turnover osteoporosis. Orwoll ES, et al. **West J Med** 1985 Aug;143(2):239-42

[Roentgenometric and microroentgenographic evaluation of regional osteoporosis in a non-load-bearing extremity (experimental data)] Onoprienko A, et al. **Vestn Rentgenol Radiol** 1985 May-Jun;(3):41-5 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Photon absorptiometry studies in osteoporosis. Christiansen C. **Acta Obstet Gynecol Scand** [**Suppl**] 1985;130:67-70

Bone mineral densitometry [news] **J Nucl Med** 1985 Feb; 26(2):115-7

THERAPY

Postmenopausal spinal osteoporosis: flexion versus extension exercises. Sinaki M, et al. **Arch Phys Med Rehabil** 1984 Oct;65(10):593-6

Exercise and osteoporosis [editorial] Smith R. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1163-4

Variations in treatment of postmenopausal osteoporosis. Schwartz M, et al. **Clin Orthop** 1985 Jan-Feb;(192):180-4

Osteoporosis. An update on management. Woolf AD, et al. **Drugs** 1984 Dec;28(6):565-76 (66 ref.)

Treatment of sciatic denervation disuse osteoporosis in the rat tibia with capacitively coupled electrical stimulation. Dose response and duty cycle. Brighton CT, et al. **J Bone Joint Surg** [Am] 1985 Sep;67(7):1022-8

Postmenopausal osteoporosis: concerns and costs in clinical management. Wingate MB. **J Med** 1984;15(4):323-32 (18 ref.)

An approach to treating severe osteopenia (osteoporosis). Nankin HR. **J SC Med Assoc** 1985 Aug;81(8):431-8

VETERINARY

[Diagnosis of osteopathy in cattle using bone biopsy] Marek J, et al. **Vet Med (Praha)** 1985 Aug;30(8):457-65 (Eng. Abstr.) **(Cze)**

OSTEORADIONECROSIS see under **RADIATION INJURIES**

OSTEOSCLEROSIS

BLOOD

'Incomplete' pyroglobulin-gamma disease in a patient with osteosclerotic myeloma. Ruiz-Arguelles A, et al. **Scand J Haematol** 1984 Oct;33(4):351-5

CHEMICALLY INDUCED

[Effect of fluoride on the skeletal system] Franke J. **Z Gesamte Inn Med** 1984 Jul 1;39(13):293-7 (Eng. Abstr.) **(Ger)**

[Massive skeletal fluorosis in compromised kidney function] Schmidt CW, et al. **Z Urol Nephrol** 1985 Mar;78(3):173-6 (Eng. Abstr.) **(Ger)**

[Examples of the coincidence of fluoride osteosclerosis and prostatic neoplasm] Schmidt CW, et al. **ZFA** 1984 Sep-Oct; 39(5):281-3 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Axonal attenuation and secondary segmental demyelination in myeloma neuropathies. Ohi T, et al. **Ann Neurol** 1985 Mar;17(3):255-61

[Polyneuropathy as the first sign of osteosclerotic plasmacytoma] Gjerde IO, et al. **Tidsskr Nor Laegeforen** 1984 Oct 30;104(30):2090-2 **(Nor)**

DIAGNOSIS

[Supracotyloid osteonecrosis in the adult] Trentani C, et al. **Chir Organi Mov** 1982-83;68(4-6):523-6 (Eng. Abstr.) **(Ita)**

[Case for diagnosis. Dermatofibrosis lenticularis disseminata] Molgó Novell M. **Med Cutan Ibero Lat Am** 1985;13(1):81-2 **(Spa)**

ETIOLOGY

[A rare cause of osteosclerosis: Erdheim-Chester syndrome] Kučera V, et al. **Cesk Radiol** 1984 Dec;38(6):393-402 (Eng. Abstr.) **(Cze)**

[Bone changes in Hodgkin's disease] Galazka Z, et al. **Acta Haematol Pol** 1984 Jul-Dec;15(3-4):155-60 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Trisomy 1q and loss of Y chromosome in a male with osteomyelosclerosis. Bauchinger M. **Acta Haematol (Basel)** 1984;72(2):131-4

Osteomesopyknosis. Case report. Proschek R, et al. **J Bone Joint Surg** [Am] 1985 Apr;67(4):652-3

PATHOLOGY

Morphological evidence of reduced bone resorption in the osteosclerotic (oc) mouse. Seifert MF, et al. **Am J Anat** 1985 Feb;172(2):141-53

A medieval case of metastasizing carcinoma with multiple osteosclerotic bone lesions. Tkocz I, et al. **Am J Phys Anthropol** 1984 Dec;65(4):373-80

Histomorphometric analysis of sclerotic bone from idiopathic myeloid metaplasia (nine cases). Coindre JM, et al. **J Pathol** 1984 Nov;144(3):163-9

[Dermatofibrosis lenticularis disseminata with osteopoikilosis (Buschke-Ollendorff syndrome)] Tausch I, et al. **Dermatol Monatsschr** 1984;170(5):322-31 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

The POEMS syndrome: report of three cases with radiographic abnormalities. Tanaka O, et al. **Radiologe** 1984 Oct;24(10):472-4

Erdheim-Chester disease. Kolář J, et al. **ROFO** 1984 Dec; 141(6):698-701

Sclerotic changes of the manubrium sterni. Jurik AG, et al. **Skeletal Radiol** 1985;13(3):195-201

Case report 310. Diagnosis: primary hyperparathyroidism (HPR), with patchy diffuse osteosclerosis at multiple skeletal sites. Lachmann M, et al. **Skeletal Radiol** 1985; 13(3):248-52

[Buschke-Ollendorff syndrome--combination of dermatofibrosis lenticularis disseminata with osteopoikilosis] Loreck D, et al. **Radiol Diagn (Berl)** 1984; 25(3):283-91 (Eng. Abstr.) **(Ger)**

[Compact costal islands in the differential diagnosis of small coin lesions in chest x-rays] Scheel W, et al. **Z Erkr Atmungsorgane** 1985;164(3):299-304 (Eng. Abstr.) **(Ger)**

[A case of osteopoikilosis] Mirоński E, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(6):573-5 (Eng. Abstr.) **(Pol)**

[X-ray diagnosis of osteopoikilosis] Mukhitdinov BN, et al. **Vestn Rentgenol Radiol** 1985 May-Jun;(3):84-6 **(Rus)**

VETERINARY

Osteosclerosis, a recessive skeletal mutation on chromosome 19 in the mouse. Marks SC Jr, et al. **J Hered** 1985 May-Jun; 76(3):171-6

OSTEOSCLEROSIS FRAGILIS see **OSTEOPETROSIS**

OSTEOSYNTHESIS, FRACTURE see **FRACTURE FIXATION, INTERNAL**

OSTEOSYNTHESIS, FRACTURE, INTRAMEDULLARY see **FRACTURE FIXATION, INTRAMEDULLARY**

OSTEOTOMY

Comparison between radiologic lower extremity angles of femur and tibia and articular surface pressure measurements in gonarthrosis treated by high tibial osteotomy. Jokio PJ, et al. **Acta Orthop Belg** 1984;50(6):802-14

Blood flow in rabbit osteotomies studied with radioactive microspheres. Aalto K, et al. **Acta Orthop Scand** 1984 Dec; 55(6):637-9

Osteotomy of the neck of the humerus for traumatic varus deformity. Solonen KA, et al. **Acta Orthop Scand** 1985 Feb; 56(1):79-80

Radiographic changes in cortical bone after intramedullary nailing. An experimental investigation on rabbits. Kaartinen E, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jan-Feb; 26(1):107-12

Cosmetic amputation of the long finger with carpal osteotomy. Pezé W, et al. **Ann Chir Main** 1984;3(3):232-6 **(Eng, Fre)**

Experimental osteosynthesis with liquid ethyl cyanacrylate polymerized with ultrasound. Forssell H, et al. **Arch Orthop Trauma Surg** 1984;103(4):278-83

Prediction of long-term outcome of tibial osteotomy in medial gonarthrosis. Tjörnstrand B, et al. **Arch Orthop Trauma Surg** 1985;103(6):396-401

Osteotomy of the distal radius with a biplanar iliac bone graft for malunion. Bora FW Jr, et al. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall;44(2):122-31

Anaesthetic management of posterior lumbar osteotomy. Wills DG. **Can Anaesth Soc J** 1985 May;32(3 Pt 1):248-57

Supracondylar humeral osteotomy for traumatic childhood cubitus varus deformity [letter] Huurman WW. **Clin Orthop** 1985 Sep;(198):308-10

The treatment of choice in osteoarthritis of the knee. Maquet P. **Clin Orthop** 1985 Jan-Feb;(192):108-12

The biomechanical basis for osteotomy in the treatment of osteoarthritis of the hip: results in younger patients. Bombelli R, et al. **Hip** 1984;:18-42

Computer modeling of surgery and a consideration of the mechanical effects of proximal femoral osteotomies. Brand RA, et al. **Hip** 1984;:193-210

Osteotomy of the patella in the patellofemoral pain syndrome. The significance of increased intraosseous pressure during sustained knee flexion. Hejgaard N, et al. **Int Orthop** 1984; 8(3):189-94

External skeletal fixation of canine tibial osteotomies. Compression compared with no compression. Hart MB, et al. **J Bone Joint Surg [Am]** 1985 Apr;67(4):598-605

Osteotomy of the first cuneiform as treatment of residual adduction of the fore part of the foot in club foot. Hofmann AA, et al. **J Bone Joint Surg [Am]** 1984 Sep;66(7):985-90

High tibial osteotomy for varus gonarthrosis. A long-term follow-up study. Insall JN, et al. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1040-8

Comparison of osteotomy healing under external fixation devices with different stiffness characteristics. Wu JJ, et al. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1258-64

A technique for lumbar spinal osteotomy in ankylosing spondylitis. McMaster MJ. **J Bone Joint Surg [Br]** 1985 Mar;67(2):204-10

Metacarpal rotational osteotomy. Gross MS, et al. **J Hand Surg [Am]** 1985 Jan;10(1):105-8

The Akron midtarsal dome osteotomy in the treatment of rigid pes cavus: a preliminary review. Wilcox PG, et al. **J Pediatr Orthop** 1985 May-Jun;5(3):333-8

Electrical stimulation in treatment of delayed union and nonunion of fractures and osteotomies. Dunn AW, et al. **South Med J** 1984 Dec;77(12):1530-4

[Impaction-osteotomy in the treatment of genu varum and genu valgum] Wang SX, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Apr;23(4):219-20, 254 (Eng. Abstr.) **(Chi)**

[Decreasing the danger of recurrence following operative correction of open bite] Spitzer W, et al. **Fortschr Kiefer Gesichtschir** 1985;30:105-7 **(Ger)**

[Surgical lengthening and contralateral shortening in Ollier's chondrodysplasia] Mastragostino S, et al. **Chir Organi Mov** 1982-83;68(4-6):453-8 (Eng. Abstr.) **(Ita)**

[Experience with pelvic osteotomy in the surgical reconstruction of bladder exstrophy] Giron AM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 May-Jun; 39(3):107-12 (Eng. Abstr.) **(Por)**

[Lymphocyte dehydrogenase activity in bone tissue regeneration] Osipenko AV, et al. **Ortop Travmatol Protez** 1984 Nov;(11):37-40 (Eng. Abstr.) **(Rus)**

[Blood supply and oxygen regimen of the mucoperiosteal flap before and after an operation for segmental osteotomy of the frontal section of the maxilla] Bezrukov VM, et al. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):44-6 (Eng. Abstr.) **(Rus)**

[Corrosion of metal implants--causes of unsuccessful surgical treatment of injuries of the osteoarticular system] Horský

l. **Bratisl Lek Listy** 1984 Nov;82(5):1351-5 (Eng. Abstr.) (Slo)

ADVERSE EFFECTS

A survey of 77 major infectious complications of median sternotomy: a review of 7,949 consecutive operative procedures. Grossi EA, et al. **Ann Thorac Surg** 1985 Sep;40(3):214-23

Heterotopic ossification. Incidence and relation to trochanteric osteotomy in 100 total hip arthroplasties. Errico TJ, et al. **Clin Orthop** 1984 Nov;(190):138-41

The management of nonunions following high tibial osteotomies. Schatzker J, et al. **Clin Orthop** 1985 Mar;(193):230-3

The hazards of internal fixation in podiatry. Green DR. **Clin Podiatry** 1985 Jan;2(1):95-119

Complications related to the intraoral vertical ramus osteotomy. Tuinzing DB, et al. **Int J Oral Surg** 1985 Aug;14(4):319-24

Pseudoaneurysm secondary to a protruding screw as a result of normal growth and remodeling following supracondylar osteotomy. A case report. Falconer DP, et al. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1126-8

Avascular necrosis after first metatarsal head osteotomies. Meisenhelder DA, et al. **J Foot Surg** 1984 Nov-Dec;23(6):429-35

Intraoperative complications of sagittal osteotomy of the mandibular ramus: incidence and management. Turvey TA. **J Oral Maxillofac Surg** 1985 Jul;43(7):504-9

A survey of complications in segmental orthognathic surgical procedures. Sher MR. **Oral Surg Oral Med Oral Pathol** 1984 Nov;58(5):537-9

[Hip surgery: local tissue reactions] Forest M, et al. **Ann Pathol** 1985;5(1):3-18 (52 ref.) (Eng. Abstr.) (Fre)

[Complications and impact of sagittal osteotomy of the ascending ramus. Personal experience] Vesse M, et al. **Rev Stomatol Chir Maxillofac** 1984;85(4):261-4 (Eng. Abstr.) (Fre)

INSTRUMENTATION

Z-shaped osteotomy for one-stage femoral elongation. Report of 14 cases. Ning ZJ, et al. **Chin Med J [Engl]** 1985 Apr;98(4):244-9

Universal bone cutting device for precision knee replacement arthroplasty and osteotomy. Cooke TD, et al. **J Biomed Eng** 1985 Jan;7(1):45-50

Tools for high tibial wedge osteotomy. Minns RJ, et al. **J Biomed Eng** 1985 Jul;7(3):256-8

Reese Osteotomy Guide System. Reese HW, et al. **J Foot Surg** 1984 Sep-Oct;23(5):386-91

Rigid stabilization system for maxillary osteotomies. Bays RA. **J Oral Maxillofac Surg** 1985 Jan;43(1):60-3

Maintenance of condylar position after sagittal split osteotomy of the mandible. Leonard MS. **J Oral Maxillofac Surg** 1985 May;43(5):391-2

Instrument to enhance passage of the Gigli saw. Barer M. **J Pediatr Orthop** 1984 Nov;4(6):762-3

[Arc-shaped tibial head osteotomy using a drill guide device] Sühler H, et al. **Z Orthop** 1984 Nov-Dec;122(6):810-3 (Eng. Abstr.) (Ger)

[Device for treating bone surfaces] Zelenov ES, et al. **Ortop Travmatol Protez** 1984 Oct;(10):51-2 (Rus)

METHODS

Stabilization of the hip joint after resection of caput and collum femoris by osteotomy of the femur. Soren A. **Acta Orthop Belg** 1984 Jul-Aug;50(4):499-511

Total mandibular alveolar osteotomy: an alternate choice to other surgical procedures. Pangrazio-Kulbersh V, et al. **Am J Orthod** 1985 Apr;87(4):319-37

Re: The effect of Le Fort I maxillary impaction on nasal airway resistance [letter] Timms DJ. **Am J Orthod** 1984 Nov;86(5):439

Lateral expansion of the mandible in the baboon. Following osteotomy at the symphysis. Walters RD, et al. **Angle Orthod** 1984 Jul;54(3):183-98

The palatally impacted cuspid tooth: a new surgical approach to treatment. Moloney F, et al. **Aust Dent J** 1985 Feb;30(1):37-46

A maxillary oversplint. Thomson ER. **Br J Oral Maxillofac Surg** 1985 Feb;23(1):58-9

Metatarsal head osteotomy for a supernumerary digit. Williams JG. **Br J Sports Med** 1985 Mar;19(1):46-7

Guidelines for Chiari's osteotomy in the immature skeleton developed from a canine model. Böhler N, et al. **Clin Orthop** 1985 Jan-Feb;(192):299-311

Combined Coventry-Maquet procedure for two-compartment degenerative arthritis. Hofmann AA, et al. **Clin Orthop** 1984 Nov;(190):186-91

Combined Maquet and proximal tibial valgus osteotomy. Putnam MD, et al. **Clin Orthop** 1985 Jul-Aug;(197):217-23

Vertebral osteotomy for correction of kyphosis in ankylosing spondylitis. Thomasen E. **Clin Orthop** 1985 Apr;(194):142-52

Distal calcaneal osteotomy in resistant talipes equinovarus. Toohey JS, et al. **Clin Orthop** 1985 Jul-Aug;(197):224-30

The proximal phalangeal osteotomy. A technically advanced approach. Donahue WE, et al. **Clin Podiatry** 1985 Jul;2(3):449-55

Ambulatory correction of hallux abducto valgus. Angulational, transpositional, derotation, and hallux set procedure. Roven MD. **Clin Podiatry** 1985 Jul;2(3):503-9

Minimal incision closing base wedges. Transpositional axis rotation deformity correction. Strauss RJ. **Clin Podiatry** 1985 Jul;2(3):477-82

Chevron osteotomy: analysis of factors in patients' dissatisfaction. Hattrup SJ, et al. **Foot Ankle** 1985 May-Jun;5(6):327-32

Roentgenographic and mathematical analysis of first metatarsal osteotomies for metatarsus primus varus: a comparative study. Jahss MH, et al. **Foot Ankle** 1985 May-Jun;5(6):280-321

A method of predicting the degree of functional correction of the metatarsus primus varus with a distal lateral displacement osteotomy in hallux valgus. Sarrafian SK. **Foot Ankle** 1985 May-Jun;5(6):322-6

Pelvic osteotomy: an alternative to total hip replacement in the young adult. Dunn HK, et al. **Hip** 1984;:3-13

Chiari osteotomy--a biologic alternative for the surgical management of dysplasia of the hip joint associated with arthrosis. Simmons EH. **Hip** 1984;:14-7

Posterior dislocation of the shoulder with a large anteromedial defect of the head of the humerus. A case report. Vukov V. **Int Orthop** 1985;9(1):37-40

Southwick's osteotomy in the treatment of chronic slipped upper femoral epiphysis. Fixation with AO blade plate. Cigala F, et al. **Ital J Orthop Traumatol** 1984 Dec;10(4):461-8

Transposition of the 5th to the 4th ray by osteotomy of the hamate. Luppino T, et al. **Ital J Orthop Traumatol** 1985 Mar;11(1):61-5

Osteosynthesis with valgus osteotomy in the primary treatment of subcapital fractures of the neck of the femur. Rinaldi E, et al. **Ital J Orthop Traumatol** 1984 Sep;10(3):313-20

Angular analysis of wedge-type osteotomies. Doll PJ, et al. **J Am Podiatry Assoc** 1984 Dec;74(12):587-95

The cortical shelf of the first metatarsal in base wedge osteotomy. Doll PJ, et al. **J Am Podiatry Assoc** 1984 Dec;74(12):623-4

The Roux osteotomy. A correction for hallux abducto valgus deformity. Forman WM, et al. **J Am Podiatry Assoc** 1984 Dec;74(12):596-600

A mathematical approach to closing base wedge osteotomy. Kempe SA, et al. **J Am Podiatry Assoc** 1984 Dec;74(12):601-4

'The present status of surgical treatment of Legg-Perthes disease' [letter] Axer A. **J Bone Joint Surg [Am]** 1985 Sep;67(7):1141-2

The effect of an incomplete interochanteric osteotomy on Legg-Calvé-Perthes disease. Clancy M, et al. **J Bone Joint Surg [Am]** 1985 Feb;67(2):213-6

Upper tibial osteotomy for osteoarthritis. Coventry MB. **J Bone Joint Surg [Am]** 1985 Sep;67(7):1136-40

Cuneiform osteotomy of the femoral neck in the treatment of slipped capital femoral epiphysis. Fish JB. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1153-68

Varus derotation osteotomy in the treatment of persistent dysplasia in congenital dislocation of the hip. Kasser JR, et al. **J Bone Joint Surg [Am]** 1985 Feb;67(2):195-202

A combination pelvic osteotomy for acetabular dysplasia in children. Perlik PC, et al. **J Bone Joint Surg [Am]** 1985 Jul;67(6):842-50

The treatment of chronic slipped capital femoral epiphysis by biplane osteotomy. Rao JP, et al. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1169-75

Rotational humeral osteotomy for recurrent anterior dislocation of the shoulder associated with a large Hill-Sachs lesion. Weber BG, et al. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1443-50

The results of early posterior release in resistant club feet. A long-term review. Green AD, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):588-93

Trochanteric advancement for premature arrest of the femoral capital growth plate. Lloyd-Roberts GC, et al. **J Bone Joint Surg [Br]** 1985 Jan;67(1):21-4

Innominate osteotomy in Perthes' disease. A radiological survey of results. Maxted MJ, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):399-401

Reese osteotomy guide system [letter] Blair MP. **J Foot Surg** 1985 Mar-Apr;24(2):86-7

Surgical management of forefoot supinatus in flexible flatfoot deformity. Jacobs AM, et al. **J Foot Surg** 1984 Sep-Oct;23(5):410-9

Combined reduction osteotomy for triphalangeal thumb. Peimer CA. **J Hand Surg [Am]** 1985 May;10(3):376-81

The TMJ dysfunction syndrome before and after sagittal split osteotomy of the rami. Karabouta I, et al. **J Maxillofac Surg** 1985 Aug;13(4):185-8

Köle's osteotomy, a follow-up study. Kloosterman J. **J Maxillofac Surg** 1985 Apr;13(2):59-63

Osteoplastic surgery of the sinus maxillaris--the 'bone lid'-method. Lindorf HH. **J Maxillofac Surg** 1984 Dec;12(6):271-6

Intraoral or extraoral approach in oblique sliding osteotomy of the mandibular ramus. A cephalometric study. Nyström E, et al. **J Maxillofac Surg** 1984 Dec;12(6):277-82

A cephalometric analysis of the Le Fort II osteotomy in the adult cleft patient. Ward-Booth RP, et al. **J Maxillofac Surg** 1984 Oct;12(5):208-12

Modified Kocher clamp for fragment stabilization after sagittal ramus osteotomy. Alexander G. **J Oral Maxillofac Surg** 1985 Aug;43(8):649-50

The maxillary step osteotomy and Steinmann pin stabilization. Bennett MA, et al. **J Oral Maxillofac Surg** 1985 Apr;43(4):307-11

Healing of the bone incision following Le Fort I osteotomy. Compton JE, et al. **J Oral Maxillofac Surg** 1984 Oct;42(10):665-7

The inverted L osteotomy for treatment of skeletal open-bite deformities. Dattilo DJ, et al. **J Oral Maxillofac Surg** 1985 Jun;43(6):440-3

Advancement genioplasty with and without soft tissue pedicle: An experimental investigation. Ellis E 3d, et al. **J Oral Maxillofac Surg** 1984 Oct;42(10):637-45

Use of the orthognathic surgery simulating instrument in the presurgical evaluation of facial asymmetry. Ellis E 3d, et al. **J Oral Maxillofac Surg** 1984 Dec;42(12):805-11

The posterior segmental maxillary osteotomy: recent applications. Moloney F, et al. **J Oral Maxillofac Surg** 1984 Dec;42(12):771-81

Intraoral vertical subcondylar osteotomy: a national survey. Niebergall CF, et al. **J Oral Maxillofac Surg** 1985 Jun;43(6):450-2

Wound healing after anterior and posterior subapical osteotomy. Scheideman GB, et al. **J Oral Maxillofac Surg** 1985 Jun;43(6):408-16

A comparison between superior and inferior border wiring techniques in sagittal split ramus osteotomy. Singer RS, et al. **J Oral Maxillofac Surg** 1985 Jun;43(6):444-9

Stability associated with mandibular advancement treated by rigid osseous fixation. Van Sickels JE, et al. **J Oral Maxillofac Surg** 1985 May;43(5):338-41

Rotational osteotomy of the distal tibia and fibula. Bennett JT, et al. **J Pediatr Orthop** 1985 May-Jun;5(3):294-8

Preoperative planning and surgical technique for performing a Dwyer calcaneal osteotomy. Krackow KA, et al. **J Pediatr Orthop** 1985 Mar-Apr;5(2):214-8

Derotation varus osteotomy in Perthes disease. McElwain JP, et al. **J Pediatr Orthop** 1985 Mar-Apr;5(2):195-8

The Telfer osteotomy for hallux valgus. Farquharson-Roberts MA, et al. **J R Nav Med Serv** 1985 Spring;71(1):15-8

Improvement of femoral head coverage by Chiari osteotomy. Küsswetter W, et al. **Nippon Geka Hokan** 1985 Mar 1;54(2):75-81

Pelvic deformity after simple pelvic osteotomy. Küsswetter W, et al. **Nippon Geka Hokan** 1985 Mar 1;54(2):67-74

Intraoperative measurement of maxillary repositioning: an ancillary technique. Johnson DG. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):266-8

Rigid fixation of maxillary osteotomies: a preliminary report and technique article. Van Sickels JE, et al. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):262-5

Speech results after bilateral osteotomy surgery for cleft palate: a review of 413 patients. Marks SM, et al. **Plast Reconstr Surg** 1985 Aug;76(2):230-8

Weight changes after jaw fixation due to sagittal split ramus osteotomy for correction of prognathous. Harju E, et al. **Resuscitation** 1984 Nov;12(3):187-91

Correction of bimaxillary deformity--a surgical dilemma? Preliminary report of eight cases. Janakarajah N, et al. **Singapore Med J** 1985 Apr;26(2):179-86

[Initial experience with Steel's triple pelvic osteotomy] Dungl P, et al. **Acta Chir Orthop Traumatol Cech** 1985 Jul;52(4):303-15 (Eng. Abstr.) (Cze)

[Bernbeck's osteotomy in persistent anteversion and valgosity of the femoral neck in congenital hip dysplasia and certain types of Perthes disease] Kundrát J. **Acta Chir Orthop Traumatol Cech** 1985 Jul;52(4):316-23 (Eng. Abstr.) (Cze)

[Abbreviation osteotomy] Náhoda J. **Acta Chir Orthop Traumatol Cech** 1984 Jul;51(4):319-23 (Eng. Abstr.) (Cze)

[Subcapitular osteotomy of the fibula in valgization] Docquier J, et al. **Acta Orthop Belg** 1984 Sep-Oct;50(5):591-600 (Eng. Abstr.) (Fre)

[Treatment of hallux valgus by repositioning the abductor muscle of the great toe] Libotte M, et al. **Acta Orthop Belg** 1985 Jan-Feb;51(1):46-51 (Eng. Abstr.) (Fre)

[The trident maxillary osteotomy. Technic, indications and results] Cadenat H, et al. **Ann Chir Plast Esthet** 1985;30(1):46-54 (Eng. Abstr.) (Fre)

[Osteotomy of the clavicle with preosteosynthesis. Its indications and technic in the exploration of the brachial plexus] Bonnard C, et al. **Helv Chir Acta** 1984 Nov;51(5):589-600 (Eng. Abstr.) (Fre)

[Lamellar rotation osteotomy of the tibia in children] Dutoit M, et al. **Int Orthop** 1985;8(4):263-6 (Eng. Abstr.) (Fre)

[Femoral lengthening by transverse diaphyseal osteotomy. Experimental study in the dog] David T, et al. **Rev Chir Orthop** 1985;71(3):145-51 (Eng. Abstr.) (Fre)

[Chiari's osteotomy. Difficulties in the realization of biomechanical goals. Apropos of 32 operations] Gougeon F, et al. **Rev Chir Orthop** 1984;70(8):599-611 (Eng. Abstr.) (Fre)

[Chiari's osteotomy in the treatment of coxarthrosis in adults. Apropos of 39 cases] Kempf I, et al. **Rev Chir Orthop** 1985;71(2):101-9 (Eng. Abstr.) (Fre)

[Chiari's osteotomy in adults. Apropos of 72 cases] Lord G, et al. **Rev Chir Orthop** 1985;71(3):205-11 (Eng. Abstr.) (Fre)

[2 cases of habitual bilateral posterior dislocation of the shoulder treated with glenoid osteotomy] Saló i Orfila JM.

Rev Chir Orthop 1985;71(1):51-4 (Eng. Abstr.) (Fre)

[A technic for osteotomy of the malar bone] Blanc JL, et al. **Rev Stomatol Chir Maxillofac** 1985;86(2):111-3 (Eng. Abstr.) (Fre)

[Rational surgical treatment of mandibular retrognathism] Cadenat H, et al. **Rev Stomatol Chir Maxillofac** 1984; 85(4):255-60 (Eng. Abstr.) (Fre)

[The role of osteotomy in the treatment of incisor infraclusion in adults] Netter JC. **Rev Stomatol Chir Maxillofac** 1985; 86(2):90-1 (Eng. Abstr.) (Fre)

[Angulation osteotomy of the clavicle in old luxations of the acromioclavicular joint] Dannöhl C. **Aktuel Traumatol** 1984 Dec;14(6):282-4 (Ger)

[Correction of rotation malposition following intramedullary nailing of the tibia] Vogt M. **Aktuel Traumatol** 1984 Oct; 14(5):232-3 (Ger)

[The Chiari pelvic osteotomy] Fleissner HK, et al. **Beitr Orthop Traumatol** 1985 Mar;32(3):130-4 (Eng. Abstr.) (Ger)

[Subcapital humerus rotation osteotomy using Weber's method and screwing of the limbus using Müller's method--2 methods for the treatment of recurrent shoulder dislocation] Irlenbusch U. **Beitr Orthop Traumatol** 1984 Sep;31(9):472-81 (Eng. Abstr.) (Ger)

[Chiari pelvic osteotomy in experiments--biostatic, stress optical, pressure and densitometric studies] Kadner P. **Beitr Orthop Traumatol** 1985 Mar;32(3):134-40 (Eng. Abstr.) (Ger)

[Pericapsular ilium osteotomy using the Pemberton method] Mayer G, et al. **Beitr Orthop Traumatol** 1984 Aug; 31(8):407-19 (Eng. Abstr.) (Ger)

[Limits and possibilities of Imhäuser's 3 dimensional restoration osteotomy] Müller K. **Beitr Orthop Traumatol** 1984 Oct;31(10):520-5 (Eng. Abstr.) (Ger)

[Value of fibula osteotomy/resection in the treatment concept of fractures and pseudarthroses of the lower leg] Otto W, et al. **Beitr Orthop Traumatol** 1984 Dec;31(12):643-55 (Eng. Abstr.) (Ger)

[Development of coxarthrosis following intertrochanteric displacement osteotomy as seen in the roentgen film] Reichel F. **Beitr Orthop Traumatol** 1985 Apr;32(4):180-5 (Eng. Abstr.) (Ger)

[Surgical method in intertrochanteric displacement osteotomy] Reichel F. **Beitr Orthop Traumatol** 1985 Apr; 32(4):173-9 (Eng. Abstr.) (Ger)

[Indication and value of corrective osteotomy of the distal radius] Wermann H, et al. **Beitr Orthop Traumatol** 1984 Sep;31(9):453-9 (Eng. Abstr.) (Ger)

[Disorders of fracture and osteotomy healing. An analysis of aseptic complications] Giebel G, et al. **Chirurg** 1984 Nov; 55(11):725-30 (Eng. Abstr.) (Ger)

[Cause and prevention of recurrences following Le Fort I osteotomies in cleft patients] Farmand M, et al. **Fortschr Kiefer Gesichtschir** 1985;30:99-100 (Ger)

[Can permanent hearing damage following mid-face osteotomies be prevented?] Götzfried HF, et al. **Fortschr Kiefer Gesichtschir** 1985;30:108-9 (Ger)

[Conventional radiologic and computer tomography control of the condyle position following sagittal mandibular osteotomy] Jend-Rossmann I, et al. **Fortschr Kiefer Gesichtschir** 1985;30:93-6 (Ger)

[Does oblique osteotomy in the mandibular branch have advantages in relation to damage of the mandibular nerve in comparison to other osteotomies?] Liebig B, et al. **Fortschr Kiefer Gesichtschir** 1985;30:91-3 (Ger)

[Insufficient results following Le Fort III osteotomy and their prevention by double stage mid-face mobilization] Sailer HF. **Fortschr Kiefer Gesichtschir** 1985;30:102-4 (Ger)

[Infection and pseudarthrosis as complications following selective ramus osteotomies] Steinhäuser EW. **Fortschr Kiefer Gesichtschir** 1985;30:88-91 (Ger)

[Complications in prognathism operations (following the method of labial pedicled anterior maxilla fragment) and their prevention] Wunderer S, et al. **Fortschr Kiefer Gesichtschir** 1985;30:96-8 (Ger)

[Indications and results of corrective radius operations] Wilhelm K. **Handchir Mikrochir Plast Chir** 1985 Jul; 17(4):225-9 (Eng. Abstr.) (Ger)

[Frontal segmental osteotomy (downfracture technic) in anterior alveolar ridge atrophy in the maxilla] Paulus GW, et al. **Schweiz Monatsschr Zahnmed** 1984 Jun;94(6):524-9 (Eng. Abstr.) (Ger)

[Indications and results in shortening osteotomy of the ulna] Faupel L, et al. **Unfallchirurgie** 1984 Oct;10(5):250-3 (Eng. Abstr.) (Ger)

[Technic of corrective valgus-producing osteotomy of the head of the tibia near the knee joint] Blauth W. **Unfallheilkunde** 1984 Oct;87(10):397-404 (Eng. Abstr.) (Ger)

[Clinical and computer tomography results following Chiari pelvic osteotomy] Bläsius K, et al. **Z Orthop** 1984 Nov-Dec;122(6):760-5 (Eng. Abstr.) (Ger)

[Apposition acetabular roof surgery with screw osteosynthesis and use of wedge osteotomy in intertrochanteric femur osteotomy] Mittelmeier H, et al. **Z Orthop** 1985 Mar-Apr;123(2):147-55 (Eng. Abstr.) (Ger)

[Defect replacement with osteogenin containing gelatin] Thielemann FW, et al. **Z Orthop** 1984 Nov-Dec; 122(6):843-7 (Eng. Abstr.) (Ger)

[Indications for high tibial head osteotomy and unicondylar sliding prosthesis in knee joint arthrosis] Wentzensen A, et al. **Z Unfallchir Versicherungsmed Berufskr** 1984; 77(3):163-9 (Ger)

[Surgical treatment of Blount's disease using addition and subtraction osteotomy] Pisetti A, et al. **Chir Ital** 1984 Aug; 36(4):681-4 (Eng. Abstr.) (Ita)

[Tibial osteotomy in the therapy of the arthritic genu varum] Gualtieri G, et al. **Chir Organi Mov** 1982-83;68(4-6):561-80 (Eng. Abstr.) (Ita)

[Zanoli-Pemberton acetabuloplasty associated with femoral osteotomy in the treatment of congenital hip dislocation] Rubbini L, et al. **Chir Organi Mov** 1984;69(2):119-25 (Eng. Abstr.) (Ita)

[Natural courses of coxarthrosis and indication of rotational acetabular osteotomy] Ninomiya S, et al. **Nippon Seikeigeka Gakkai Zasshi** 1984 Aug;58(8):779-92 (Eng. Abstr.) (Jpn)

[Value of decortication in osteotomies of the long bones] Bieniek J, et al. **Chir Narzadow Ruchu Ortop Pol** 1984; 49(2):161-3 (Eng. Abstr.) (Pol)

[Remarks on the surgical treatment of osteochondritis dissecans of the knee--osteochondrosis dissecans] Jaworski W. **Chir Narzadow Ruchu Ortop Pol** 1984;49(2):171-5 (Eng. Abstr.) (Pol)

[Phillips' operation in degeneration of the hip joint] Lach JB, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(5):455-9 (Eng. Abstr.) (Pol)

[Effectiveness of surgical treatment of recurrent lateral dislocation of the patella] Radziejowski M, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(1):23-6 (Eng. Abstr.) (Pol)

[Remarks with regard to corrective osteotomy in the treatment of congenital hip dislocation in the Garlicki modification] Sotirow B. **Chir Narzadow Ruchu Ortop Pol** 1984;49(1):27-30 (Eng. Abstr.) (Pol)

[Treatment of congenital clubhand] Synder M, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(1):47-50 (Eng. Abstr.) (Pol)

[Derotation osteotomy of the humerus in the treatment of perinatal paralysis of the Duchenne-Erb type] Zwierzchowska D, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(1):5-7 (Eng. Abstr.) (Pol)

[Lowering of the scapula by the Woodward method] Zwierzchowski H. **Chir Narzadow Ruchu Ortop Pol** 1984; 49(1):37-41 (Eng. Abstr.) (Pol)

[A method of the surgical treatment of juvenile epiphysiolysis of the femur head] Abakarov AA, et al. **Ortop Travmatol Protez** 1984 Jul;(7):53-5 (Rus)

[Centering operations in osteochondropathies of the femur head] Tikhonenkov ES, et al. **Ortop Travmatol Protez** 1985 Feb;(2):8-12 (Eng. Abstr.) (Rus)

[Surgical treatment of hip joint dysplasia by incomplete angular osteotomy of the pelvis] Tikhonenkov ES, et al. **Ortop Travmatol Protez** 1984 Jul;(7):51-3 (Rus)

[Modification of Wilson's osteotomy in the treatment of hallux valgus] Popović D, et al. **Vojnosanit Pregl** 1985 May-Jun;42(3):173-8 (Eng. Abstr.) (Ser)

[Angulation osteotomy as an alternative in the treatment of non-union of the femoral neck] Lindsjö U, et al. **Lakartidningen** 1984 Nov 28;81(48):4504-6 (Eng. Abstr.) (Swe)

STANDARDS

Planning an intertrochanteric femoral osteotomy. Fidler M. **Acta Orthop Scand** 1984 Oct;55(5):501-3

VETERINARY

Capacitively coupled electrical stimulation of bone healing in the horse: in vivo study with a Salter type IV osteotomy model with stainless steel surface electrodes. Collier MA, et al. **Am J Vet Res** 1985 Mar;46(3):622-31

Evaluation of Key's hypothesis in the feline tibia: an experimental model for augmented bone healing studies. Toombs JP, et al. **Am J Vet Res** 1985 Feb;46(2):513-8

Trochlear recession for correction of luxating patella in the dog. Slocum B, et al. **J Am Vet Med Assoc** 1985 Feb 15; 186(4):365-9

OSTERREICHER SYNDROME see **NAIL-PATELLA SYNDROME**

OSTERTAGIASIS see under **TRICHOSTRONGYLOIDIASIS**

OSTREOGRYCINS see **VIRGINIAMYCINS**

OTALGIA see **EARACHE**

OTITIS

COMPLICATIONS

[Rare endocranial complications of otomastoiditis in infants: cerebellar abscess and purulent meningitis] Prişcu R, et al. **Rev Chir [Otorinolaringol]** 1985 Apr-Jun;30(2):89-92 (Eng. Abstr.) (Rum)

[Pathogenesis of otorhinopathic emboligenic septicemia] Sarafoleanu D, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep;29(3):185-9 (Eng. Abstr.) (Rum)

DIAGNOSIS

Intracranial and otological presentation of acute lymphocytic leukemia. Nabors MW, et al. **Neurosurgery** 1985 Aug; 17(2):309-12

[Otitis] **Arch Otorhinolaryngol [Suppl]** 1984;2:157-65 (Ger)

DRUG THERAPY

Pediatricians, antibiotics, and office practice [letter] Crook WG. **Pediatrics** 1985 Jul;76(1):139-40

[Josamycin in the treatment of infections of interest in childhood otorhinolaryngology] Andriani G, et al. **Clin Ter** 1985 May 31:113(4):295-9 (Eng. Abstr.) (Ita)

[Cure of otologic mucormycosis in a patient with acute myeloblastic leukemia] Lepera R, et al. **Sangre (Barc)** 1985; 30(3):363-6 (Eng. Abstr.) (Spa)

OCCURRENCE

[Incidence of chronic suppurative otomastoid complications at the Colţea ENT Clinic in 1976-1980] Georgescu S, et al. **Rev Chir [Otorinolaringol]** 1984 Oct-Dec;29(4):277-84 (Eng. Abstr.) (Rum)

SURGERY

[Toton, a new total prosthesis for replacement of the ossicle chain] Klein M. **Ann Otolaryngol Chir Cervicofac** 1985; 102(5):385-8 (Eng. Abstr.) (Fre)

OTITIS EXTERNA

Invasive external otitis: review of 12 cases. Salit IE, et al. **Can Med Assoc J** 1985 Feb 15;132(4):381-4

Infections of the external ear. Marcy SM. **Pediatr Infect Dis** 1985 Mar-Apr;4(2):192-201 (68 ref.)

Otitis externa. A common, often self-inflicted condition. Bell DN. **Postgrad Med** 1985 Sep 1;78(3):101-4, 106

CLASSIFICATION

[Membranous external otitis] Gélinas C, et al. **Union Med Can** 1984 Sep;113(9):792-4 (Eng. Abstr.) (Fre)

COMPLICATIONS

Neurologic deficit after external otitis. Kotzias SA, et al. **Otolaryngol Head Neck Surg** 1984 Oct;92(5):596-600

[External malignant otitis] Mallea I, et al. **An Otorrinolaringol Ibero Am** 1985;12(3):251-61 (Eng. Abstr.) (Spa)

DIAGNOSIS

Malignant external otitis. Anon JB, et al. **South Med J** 1984 Dec;77(12):1541-4

[New findings in the diagnosis and therapy of necrotizing otitis externa (otitis maligna)] Vogt M, et al. **Schweiz Rundsch Med Prax** 1985 May 14;74(20):523-6 (Eng. Abstr.) (Ger)

[A case of aspergillosis of the ear] Sekula J, et al. **Otolaryngol Pol** 1985;39(2):166-70 (Eng. Abstr.) (Pol)

[Necrotic external otitis] Dunalvitser BI. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):71-2 (Rus)

DRUG THERAPY

Fungal infection of the ear. Etiology and therapy with bifonazole cream or solution. Falser N. **Dermatologica** 1984; 169 Suppl 1:135-40

Necrotizing external otitis. The importance of prolonged drug therapy. Uri N, et al. **J Laryngol Otol** 1984 Nov; 98(11):1083-5

Stubborn otitis externa [letter] White FP. **South Med J** 1985 Sep;78(9):1142

[Malignant external otitis in a young diabetic--successful azlocillin treatment] Ganz H. **HNO** 1984 Oct;32(10):431-2 (Eng. Abstr.) (Ger)

[Treatment of external otitis with Halcicomb cream] Joachims HZ, et al. **Harefuah** 1984 Jun 15;106(12):559-60 (Eng. Abstr.) (Heb)

ETIOLOGY

Bacterial flora of airline headset devices. Brook I. **Am J Otolaryngol** 1985 Mar-Apr;6(2):111-4

External otitis due to infection. Marcy SM. **Pediatr Infect Dis** 1985 May-Jun;4(3 Suppl):S27-30

[Otomycosis] Ben Rejeb A, et al. **Tunis Med** 1984 Sep; 62(5):381-4 (Eng. Abstr.) (Fre)

[Otomycosis: etiology and analysis of predisposing factors] Oliveri S, et al. **Boll Ist Sieroter Milan** 1984;63(6):537-42 (Eng. Abstr.) (Ita)

HISTORY

[Did Rembrandt have a nickel allergy?] Leyh F. **Hautarzt** 1984 Sep;35(9):472-3 (Ger)

MICROBIOLOGY

Clinical and bacteriological studies in otitis externa in Dar es Salaam, Tanzania. Manni JJ, et al. **Clin Otolaryngol** 1984 Dec;9(6):351-4

Otomycosis--a continuing problem. Mugliston T, et al. **J Laryngol Otol** 1985 Apr;99(4):327-33

Fungi isolated from chronic external ear disorders. Nielsen

PG. **Mykosen** 1985 May;28(5):234-7

Bacteriologic studies in external otitis in Dar es Salaam, Tanzania. Manni JJ, et al. **Trop Geogr Med** 1984 Sep; 36(3):293-5

PARASITOLOGY

[Human otoacariasis caused by Otobius megnini in Calama, Chile] Burchard L, et al. **Bol Chil Parasitol** 1984 Jan-Jun; 39(1-2):15-6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Bilateral chondrodermatitis helicis: case presentation and literature review. Cannon CR. **Am J Otol** 1985 Mar; 6(2):164-6

RADIOGRAPHY

Radiologic abnormalities of malignant otitis externa. Pripstein S, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984; 105(3):307-10

Radiologic evaluation of malignant external otitis. Smoker WR, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984; 105(3):297-301

RADIONUCLIDE IMAGING

The radionuclide diagnosis, evaluation and follow-up of malignant external otitis (MEO). The value of immediate blood pool scanning. Garty I, et al. **J Laryngol Otol** 1985 Feb;99(2):109-15

RADIOTHERAPY

[Low-energy laser irradiation in the complex treatment of patients with ear diseases] Bykov VL, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr; (2):60-2 **(Rus)**

THERAPY

Prognostic implications of therapy for necrotizing external otitis [clinical conference] Corey JP, et al. **Am J Otol** 1985 Jul;6(4):353-8

Surgical applications of the expandable ear wick. Cannon CR. **Laryngoscope** 1985 Jun;95(6):739-40

VETERINARY

Mycotic otitis externa in animals. Kuttin ES, et al. **Mykosen** 1985 Feb;28(2):61-8

OTITIS MEDIA

Experimental otitis media with effusion. Proceedings of the international conference, Lövångers Kyrkstad, August 17-20, 1983. **Acta Otolaryngol [Suppl] (Stockh)** 1984; 414:1-188

Recent advances in otitis media with effusion. Report of research conference. Fort Lauderdale, May 20-21, 1983. **Ann Otol Rhinol Laryngol [Suppl]** 1985 Jan-Feb;116:1-32

A 5-year prospective case-control study of the influence of early otitis media with effusion on reading achievement. Lous J, et al. **Int J Pediatr Otorhinolaryngol** 1984 Oct; 8(1):19-30

Persistent and recurrent otitis media. A review of the 'otitis-prone' condition. Berman S, et al. **Primary Care** 1984 Sep;11(3):407-17 (57 ref.)

[Serous-mucoid outis media in infants] Narcy P, et al. **Ann Pediatr (Paris)** 1984 Dec;31(11):939-43 (Eng. Abstr.) **(Fre)**

[Otitis media in the newborn infant: cytologic and bacteriologic study and long-term results] Pestalozza G, et al. **Acta Otorhinolaryngol Ital** 1984 Jan-Feb;4(1):27-47 (Eng. Abstr.) **(Ita)**

BLOOD

Subclinical trace element deficiency in children with undue susceptibility to infections. Bondestam M, et al. **Acta Paediatr Scand** 1985 Jul;74(4):515-20

Similar hematologic changes in children receiving trimethoprim-sulfamethoxazole or amoxicillin for otitis media. Feldman S, et al. **J Pediatr** 1985 Jun;106(6):995-1000

CHEMICALLY INDUCED

[Carrageenins-induced otitis media in animal] Shibahara Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):680-7 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Middle ear disease in samples from the general population. II. History of otitis and otorrhea in relation to tympanic membrane pathology. The study of men born in 1913 and 1923. Rudin R, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):53-9

Intracranial complications of otitis media. Debruyne F. **Acta Otorhinolaryngol Belg** 1984;38(2):128-32

Characteristics of earache among children with acute otitis media. Hayden GF, et al. **Am J Dis Child** 1985 Jul; 139(7):721-3

The frequency of vestibular disorders in developmentally delayed preschoolers with otitis media. Schaaf RC. **Am J Occup Ther** 1985 Apr;39(4):247-52

Subarachnoid space: middle ear pathways and recurrent meningitis. Barcz DV, et al. **Am J Otol** 1985 Mar; 6(2):157-63

The etiologic role of acute suppurative otitis media in chronic secretory otitis. Stangerup SE, et al. **Am J Otol** 1985 Mar; 6(2):126-31

Sensorineural hearing loss in otitis media. Paparella MM, et al. **Ann Otol Rhinol Laryngol** 1984 Nov-Dec;93(6 Pt 1):623-9

Ventilating tubes in the middle ear. Long-term observations. Gundersen T, et al. **Arch Otolaryngol** 1984 Dec; 110(12):783-4

Analysis of fifty cases of facial palsy due to otitis media. Takahashi H, et al. **Arch Otorhinolaryngol** 1985; 241(2):163-8

Otitis media: the role of speech-language pathologists. Garrard KR, et al. **ASHA** 1985 Jul;27(7):35-9

The minimally hearing-impaired child. Bess FH. **Ear Hear** 1985 Jan-Feb;6(1):43-7

Basal cell carcinoma following chronic otitis media. Myskowski PL, et al. **Int J Dermatol** 1985 Mar;24(2):120-1

Brain abscess secondary to otitis media. Bradley PJ, et al. **J Laryngol Otol** 1984 Dec;98(12):1185-91

Lateral sinus thrombosis in the eighties. Debruyne F. **J Laryngol Otol** 1985 Jan;99(1):91-3

Otologic features of bacterial meningitis of childhood. Eavey RD, et al. **J Pediatr** 1985 Mar;106(3):402-7

Relationship between acute suppurative otitis media and chronic secretory otitis media: role of antibiotics. Mills R, et al. **J R Soc Med** 1984 Sep;77(9):754-7

Otitic hydrocephalus. Lenz RP, et al. **Laryngoscope** 1984 Nov;94(11 Pt 1):1451-4

Acute mastoiditis complicated by bacterial meningitis. Braverman AC, et al. **Mo Med** 1985 Jun;82(6):308-11

Purulent otitis media--a 'silent' source of sepsis in the pediatric intensive care unit. Persico M, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):330-4

Postinflammatory ossicular fixation: CT analysis with surgical correlation. Swartz JD, et al. **Radiology** 1985 Mar; 154(3):697-700

Intracranial complications of ear disease in a pediatric population with special emphasis on subdural effusion and empyema. Gower DJ, et al. **South Med J** 1985 Apr; 78(4):429-34

[Results of tympanometry in infantile allergic rhinopathy] Corrias A, et al. **Minerva Pediatr** 1984 Nov 30; 36(22):1115-8 (Eng. Abstr.) **(Ita)**

[Otogenic intracranial complications--an ever-present problem] Janczewski G, et al. **Otolaryngol Pol** 1985; 39(1):7-18 (Eng. Abstr.) **(Pol)**

[Chronic purulent otitis media complicated by an extensive phlegmon of the neck] Bystrenin AV. **Vestn Otorinolaringol** 1985 May-Jun;(3):79-80 **(Rus)**

[Roentgenological diagnosis of labyrinthine fistulas in chronic suppurative otitis media] Kossovoi AL. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):17-20 (Eng. Abstr.) **(Rus)**

[Social rehabilitation of patients in the late period after surgery for an otogenic brain abscess] Markin SA, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):36-9 (Eng. Abstr.) **(Rus)**

[Otogenic brain abscess in a child] Sal'nikova EA, et al. **Vestn Otorinolaringol** 1985 Mar-Apr;(2):58-60 **(Rus)**

[Cerebrovascular disorders and ischemic stroke in patients with chronic suppurative otitis media, simulating otogenic intracranial complications] Shuster MA, et al. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):41-4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Otitis media in early infancy. Papadeas VA, et al. **Am J Emerg Med** 1984 May;2(3):251-3

Aboriginal child health. Stuart J. **Aust Fam Physician** 1985 Jul;14(7):677-80

Follow-up visit after acute otitis media. Puczynski MS, et al. **Br J Clin Pract** 1985 Apr;39(4):132-4, 153

Ear wax and otitis media in children. Fairey A, et al. **Br Med J [Clin Res]** 1985 Aug 10;291(6492):387-8

Study of middle ear disease using tympanometry in general practice. Reves R, et al. **Br Med J [Clin Res]** 1985 Jun 29;290(6486):1953-6

Age-specific patterns of diagnosis of acute otitis media. McFadden DM, et al. **Clin Pediatr (Phila)** 1985 Oct; 24(10):571-5

Otitis media in newborn infants. Pestalozza G. **Int J Pediatr Otorhinolaryngol** 1984 Dec;8(2):109-24

Acoustic impedance measurement as screening procedure in children: discussion paper. Brooks DN. **J R Soc Med** 1985 Feb;78(2):119-21

Screening for middle ear fluid in an urban pre-school population. Paulman PM, et al. **Nebr Med J** 1984 Sep; 69(9):307

Acoustic reflectometry in the detection of middle ear effusion. Lampe RM, et al. **Pediatrics** 1985 Jul;76(1):75-8

[Acute inflammation of the middle ear] Feenstra L. **Ned Tijdschr Geneeskd** 1985 Mar 23;129(12):532-6 **(Dut)**

[Tympanometry under nitrous oxide anesthesia in cases of seromucous otitis] Coeckelenbergh A, et al. **Acta Otorhinolaryngol Belg** 1984;38(5):485-8 (Eng. Abstr.) **(Fre)**

[Embryonal rhabdomyosarcoma of the middle ear and mastoid simulating chronic otitis media] Shohet I, et al. **Harefuah** 1984 Nov 15;107(10):290-1 (Eng. Abstr.) **(Heb)**

[A case of aspergillosis of the ear] Sekula J, et al. **Otolaryngol Pol** 1985;39(2):166-70 (Eng. Abstr.) **(Pol)**

[Differential diagnostic problems in diseases and injuries of the middle ear] Kitanoski B, et al. **Vojnosanit Pregl** 1985 Jan-Feb;42(1):14-8 (Eng. Abstr.) **(Ser)**

DRUG THERAPY

Efficacy of Metronidazole in experimental Bacteroides fragilis otitis media. Thore M, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):60-6

Acute otitis media in older children and adults treated with penicillin or erythromycin. Rosén C, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;407:23-5

Antibiotic treatment of secretory otitis media. Sundberg L. **Acta Otolaryngol [Suppl] (Stockh)** 1984;407:26-9

Improving compliance with antibiotic regimens for otitis media. Randomized clinical trial in a pediatric clinic. Finney JW, et al. **Am J Dis Child** 1985 Jan;139(1):89-95

Erythromycin-sulfisoxazole vs amoxicillin in the treatment of acute otitis media in children. A double-blind, multiple-dose comparative study. Rodriguez WJ, et al. **Am J Dis Child** 1985 Aug;139(8):766-70

Drugs affecting clearance of middle ear secretions: a perspective for the management of otitis media with effusion. Brown DT, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1985 Mar-Apr;117:3-15

Acute otitis media: a new treatment strategy [letter] **Br Med J [Clin Res]** 1985 Jun 8;290(6483):1743-4

Acute otitis media: a new treatment strategy. van Buchem FL, et al. **Br Med J [Clin Res]** 1985 Apr 6;290(6474):1033-7

The 'new' ampicillins: who needs them? Committee on Infectious Diseases and Immunization, Canadian Paediatric Society. **Can Med Assoc J** 1984 Nov 15;131(10):1223-4

Bromhexine in the treatment of otitis media with effusion. Stewart IA, et al. **Clin Otolaryngol** 1985 Jun;10(3):145-9

The long-term outcome of nonsuppurative otitis media with effusion. Dusdieker LB, et al. **Clin Pediatr (Phila)** 1985 Apr; 24(4):181-6

Fungal infection of the ear. Etiology and therapy with bifonazole cream or solution. Falser N. **Dermatologica** 1984; 169 Suppl 1:135-40

Oral nystatin [letter] Crook WG. **Ear Nose Throat J** 1985 Mar;64(3):155

Otitis media: treatment and side effects [letter] Crook WG. **Hosp Pract [Off]** 1985 Sep 30;20(9A):14, 16

Antimicrobial therapy of chronic otitis media with effusion. Healy GB. **Int J Pediatr Otorhinolaryngol** 1984 Oct; 8(1):13-7

Compliance with acute otitis media treatment. Reed BD, et al. **J Fam Pract** 1984 Nov;19(5):627-32

A randomized controlled trial of cefaclor compared with trimethoprim-sulfamethoxazole for treatment of acute otitis media. Marchant CD, et al. **J Pediatr** 1984 Oct;105(4):633-8

Mucolytic agents for glue ear [letter] Pearson JP, et al. **Lancet** 1985 Sep 21;2(8456):674

Trimet v amoxycillin in the treatment of otitis media in children [letter] Godfrey AA, et al. **NZ Med J** 1985 Apr 10;98(776):252

Medical management of serous otitis media. Crysdale WS. **Otolaryngol Clin North Am** 1984 Nov;17(4):653-7

Medical management of chronic otitis media. Jahn AF, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):673-7

Occurrence of Clostridium difficile toxin-associated gastroenteritis following antibiotic therapy for otitis media in young children. Hyams JS, et al. **Pediatr Infect Dis** 1984 Sep-Oct;3(5):433-6

In vivo sensitivity test in otitis media: efficacy of antibiotics. Howie VM, et al. **Pediatrics** 1985 Jan;75(1):8-13

Oral dexamethasone for treatment of persistent middle ear effusion. Macknin ML, et al. **Pediatrics** 1985 Feb; 75(2):329-35

Comparative treatment trial of augmentin versus cefaclor for acute otitis media with effusion. Odio CM, et al. **Pediatrics** 1985 May;75(5):819-26

Trimethoprim and amoxycillin in acute otitis media. Backhouse CI, et al. **Practitioner** 1985 Jan;229(1399):51-4

[Adapting the therapy to the course of acute otitis media] van Buchem FL, et al. **Ned Tijdschr Geneeskd** 1985 Jun 8;129(23):1093-9 (Eng. Abstr.) **(Dut)**

[Effect of Tavegyl (Polfa) on microorganisms detected in otocenosis during in vivo studies] Kurnatowski P, et al. **Otolaryngol Pol** 1984;38(3):219-24 (Eng. Abstr.) **(Pol)**

[Use of lekozim in middle ear diseases] Tarasov DI, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):43-7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Biochemical pathology of otitis media with effusion. Juhn SK, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:45-51

Hydrolase activity in acute otitis media with effusion. Diven WF, et al. **Ann Otol Rhinol Laryngol** 1985 Jul-Aug;94(4 Pt 1):415-8

Antifibrinolytic activity in middle ear effusion. Hamaguchi Y, et al. **ORL J Otorhinolaryngol Relat Spec** 1984; 46(5):235-41

[Lysosomal enzyme activity in middle ear effusions] Hara A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 May; 87(5):596-602 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Endotoxin in middle ear effusions tested with Limulus assay

Iino Y, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):42-50

The role of microorganisms in experimental eustachian tube obstruction. Kuijpers W, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:58-66

The etiology and pathogenesis of otitis media with effusion. A review. Portmann M. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:41-4 (24 ref.)

Experimentally induced otitis media with effusion. Salén B, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:67-70

Relevant and irrelevant predisposing factors in secretory otitis media. Van Cauwenberge PB. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:147-53

The mucoperiosteum of the middle ear in experimentally induced sterile otitis media. van der Beek JM, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:71-9

Management of allergy-related serous otitis. Rapp DJ. **Am J Otol** 1984 Oct;5(6):463-7

The etiologic role of acute suppurative otitis media in chronic secretory otitis. Stangerup SE, et al. **Am J Otol** 1985 Mar;6(2):126-31

Otitis media and the Australian aboriginal. Willis R. **Am J Otol** 1985 Jul;6(4):316-22

Experimental otitis media with effusion induced by nonviable Hemophilus influenzae: cytologic and histologic study. Okazaki N, et al. **Am J Otolaryngol** 1984 Mar-Apr;5(2):80-92

The role of allergy in the pathogenesis of otitis media with effusion. Doyle WJ, et al. **Arch Otolaryngol** 1985 Aug;111(8):502-6

Tuberculosis of the ear. Dansby TJ, et al. **Bull NY Acad Med** 1984 Dec;60(10):1008-10

Tuberculous otitis media: an old disease revisited [letter] Conly JM, et al. **Can Med Assoc J** 1985 Mar 1;132(5):512-3

Tuberculosis otitis media [letter] Noel GE. **Can Med Assoc J** 1985 May 15;132(10):1113

Etiologic factors in the development of chronic middle ear effusions. Kraemer MJ, et al. **Clin Rev Allergy** 1984 Nov;2(4):319-28 (74 ref.)

Otitis media in children following the cochlear implant. House WF, et al. **Ear Hear** 1985 May-Jun;6(3 Suppl):24S-26S

Aural histoplasmosis: report of a case. Kancharak C, et al. **Ear Nose Throat J** 1984 Dec;63(12):602-4

Rotavirus infection and otitis media [letter] Hadziselimovic F, et al. **Infection** 1984 Jul-Aug;12(4):296

The aetiology of glue ear—a case-control study. Black N. **Int J Pediatr Otorhinolaryngol** 1985 Jul;9(2):121-33

Adenoid histamine and its possible relationship to secretory otitis media. Collins MP, et al. **J Laryngol Otol** 1985 Jul;99(7):685-91

Climatic and racial factors related to the aetiology of secretory otitis media. Suarez Nieto C, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(6):318-26

A prospective study demonstrating an association between plasma IgG2 concentrations and susceptibility to otitis media in children. Freijd A, et al. **Scand J Infect Dis** 1985;17(1):115-20

[Ear findings in patients with cleft palate] Qvarnberg Y. **Duodecim** 1984;100(22):1533-9 (Eng. Abstr.) **(Fin)**

[Otogenic brain abscess with spontaneous rupture into the middle ear] Mukhitdinov SnM. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):69-70 **(Rus)**

[Otologic manifestations in a case of Hand-Schueller-Christian disease] Sainz Quevedo M, et al. **An Otorrinolaringol Ibero Am** 1984;11(4):277-89 (Eng. Abstr.) **(Spa)**

HISTORY

Fashion, science and technical change: the history of the treatment of glue ear. Black NA. **Clin Otolaryngol** 1985 Feb;10(1):31-41

Is glue ear a modern phenomenon? A historical review of the medical literature. Black NA. **Clin Otolaryngol** 1984 Jun;9(3):155-63

[The 'old radical' surgery. History and development of surgery of the mastoid] Plester D. **Laryngol Rhinol Otol (Stuttg)** 1985 May;64(5):228-32 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Histamine levels in middle ear effusions. Berger G, et al. **Acta Otolaryngol (Stockh)** 1984 Nov-Dec;98(5-6):385-90

Characteristics of lymphocyte and macrophage reactivity in otitis media with effusion. Bernstein JM, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:131-7

Atopic allergy and otitis media with effusion. Boedts D, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:108-14

Aspects of biological potentials of mononuclear cells in middle ear effusions. Sipilä P. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:138-42 (32 ref.)

Experimental otitis media in guinea pigs. Serum antibody response to Bacteroides fragilis, Propionibacterium acnes and Peptostreptococcus anaerobius upon challenge. Thore M. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:143-6

The middle ear mucosal immune system in otitis media with effusion. Bernstein JM, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):162-8

Oxygen consumption of middle ear and peripheral blood neutrophils in acute suppurative otitis media. Bernstein JM, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):169-72

Histamine-induced middle ear effusion and mucosal histopathology in the guinea pig. Boisvert P, et al. **Ann Otol Rhinol Laryngol** 1985 Mar-Apr;94(2 Pt 1):212-6

Effect of a middle ear immune response on inner ear antibody levels. Harris JP, et al. **Ann Otol Rhinol Laryngol** 1985 Mar-Apr;94(2 Pt 1):202-6

Complement in chronic secretory otitis media. C3 breakdown and C3 splitting activity. Meri S, et al. **Arch Otolaryngol** 1984 Dec;110(12):774-8

Immunologic reactivity in otitis media with effusion. Bernstein JM. **Clin Rev Allergy** 1984 Nov;2(4):303-18 (31 ref.)

Observations on immune mechanisms in otitis media with effusion. Bernstein JM. **Int J Pediatr Otorhinolaryngol** 1984 Dec;8(2):125-38

Presence of interferon during bacterial otitis media [letter] Howie VM, et al. **J Infect Dis** 1985 Aug;152(2):428-9

Modification of otitis media in chinchillas rechallenged with nontypable Haemophilus influenzae and serological response to outer membrane antigens. Karasic RB, et al. **J Infect Dis** 1985 Feb;151(2):273-9

Immunoglobulin E in mucoid secretory otitis media. Palva T, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(4):220-3

[T-lymphocyte dynamics in the acute phase of recurrent otitis in childhood] Kašpárek L, et al. **Cesk Otolaryngol** 1985 Jul;34(4):223-6 (Eng. Abstr.) **(Cze)**

[Histopathological analyses of experimentally induced otitis media with effusion] Takasaka T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):688-92 (Eng. Abstr.) **(Jpn)**

[Immunologic implications in the etiopathogenesis and treatment of serous otitis] Drașoveanu C, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep;29(3):169-72 (Eng. Abstr.) **(Rum)**

[Immunological indicators in children with acute and recurrent otitis media] Baranova MV, et al. **Vestn Otorinolaringol** 1985 Mar-Apr;(2):40-3 (Eng. Abstr.) **(Rus)**

[Quantification of immunoglobulins and complement system factors in secretory otitis media] Basterra J, et al. **An Otorrinolaringol Ibero Am** 1985;12(3):189-98 (Eng. Abstr.) **(Spa)**

METABOLISM

A preliminary cytochemical study of mucus in chronic secretory otitis media and possible correlations with anatomical evolution tympanum. Disant F, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):291-6

Activities of antiplasmin and antiplasminogen activator in serous middle ear effusions. Hamaguchi Y, et al. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):293-6

Histamine and secretory otitis media. Collins MP, et al. **Clin Sci** 1984 Nov;67(5):557-60

Plasma component of middle ear effusion evaluated by prekallikrein level. Hamaguchi Y, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(3):145-50

Mucociliary transport of human ear secretions in otitis media with effusion. Brown DT, et al. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):18-21

Long-standing otitis media with effusion—a convenient model for the study of antibiotic penetration to respiratory tract secretions. Eden T. **Scand J Infect Dis [Suppl]** 1985;44:46-51

MICROBIOLOGY

Nasopharyngeal carriage of bacteria in otitis-prone and non-otitis-prone children in day-care centres. Prellner K, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):343-50

Prevalence of beta-lactamase-producing bacteria in chronic suppurative otitis media. Brook I. **Am J Dis Child** 1985 Mar;139(3):280-3

Bacteriology of otitis media [letter] Trujillo H. **Am J Dis Child** 1985 Feb;139(2):114

New perspectives in the direct microscopic examination of middle ear effusions. Van Cauwenberge P, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):191-5

Respiratory viruses and Mycoplasma pneumoniae infections at the time of the acute exacerbation of chronic otitis media. Sugiyama M, et al. **Auris Nasus Larynx** 1984;11(3):139-47

Microbiology of chronic otitis media with effusion among Australian Aboriginal children: role of Chlamydia trachomatis. Dawson VM, et al. **Aust J Exp Biol Med Sci** 1985 Feb;63 (Pt 1):99-107

Bacteriology of chronic suppurative otitis media with special reference to anaerobes. Rao R, et al. **Indian J Pathol Microbiol** 1984 Oct;27(4):341-6

Biotypes of serologically nontypable Haemophilus influenzae isolated from the middle ears and nasopharynges of patients with otitis media with effusion. DeMaria TF, et al. **J Clin Microbiol** 1984 Dec;20(6):1102-4

Anaerobes in acute otitis media. Reynolds MA, et al. **J Infect** 1985 May;10(3):262-4

Identification of respiratory virus antigens in middle ear fluids of children with acute otitis media. Sarkkinen H, et al. **J Infect Dis** 1985 Mar;151(3):444-8

Bacteriological features and chemotherapy of adult acute purulent otitis media. Sugita R, et al. **J Laryngol Otol** 1985 Jul;99(7):629-35

Do children with recurrent Haemophilus influenzae otitis media become infected with a new organism or reacquire the original strain? Barenkamp SJ, et al. **J Pediatr** 1984 Oct;105(4):533-7

Isolation of cytomegalovirus from middle ear effusion. Embil JA, et al. **J Pediatr** 1985 Sep;107(3):435-6

Chlamydia trachomatis in smears from eyes, ears, and throats of children with chronic otitis media [letter] Banks JR, et al. **Lancet** 1985 Aug 3;2(8449):278

Chlamydia and otitis media [letter] Rettig PJ. **Lancet** 1985 Sep 7;2(8454):558

Fungi from otitis media of agricultural field workers. Wadhwani K, et al. **Mycopathologia** 1984 Dec 30;88(2-3):155-9

A microbiological study of secretory otitis media using an anaerobic technique. Edström S, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(1):32-6

Bacterial etiology of conjunctivitis-otitis media syndrome. Bodor FF, et al. **Pediatrics** 1985 Jul;76(1):26-8

Secretory otitis media: microbiology of the middle ear and the nasopharynx. Kamme C, et al. **Scand J Infect Dis** 1984;16(3):291-6

[Correlation between the otic and rhinopharyngeal microbial flora in chronic suppurative otitis media in adults] Cotulbea S, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep;29(3):199-204 (Eng. Abstr.) **(Rum)**

OCCURRENCE

Branhamella catarrhalis in acute otitis media. Karma P, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):285-90

Otitis media and language performance in a cohort of Apache Indian children. Fischler RS, et al. **Am J Dis Child** 1985 Apr;139(4):355-60

Epidemiology and natural history of secretory otitis. Tos M. **Am J Otol** 1984 Oct;5(6):459-62

A prospective study of swimming-related illness. I. Swimming-associated health risk. Seyfried PL, et al. **Am J Public Health** 1985 Sep;75(9):1068-70

Otitis media with effusion in childhood. Marshall SG, et al. **Ann Allergy** 1984 Nov;53(5):370-8, 394 (22 ref.)

Otitis media with effusion: more than a pain in the ear [editorial] Wientzen RL. **Ann Allergy** 1984 Nov;53(5):369

Otitis media at Canyon Day, Ariz. A 16-year follow-up in Apache Indians. Todd NW Jr, et al. **Arch Otolaryngol** 1985 Sep;111(9):606-8

The changing pattern of otitis media in Korea. Noh KT, et al. **Int J Pediatr Otorhinolaryngol** 1985 Jun;9(1):77-87

Otitis media with effusion in preschool children. Casselbrant ML, et al. **Laryngoscope** 1985 Apr;95(4):428-36

The bifid uvula: is it a marker for an otitis prone child? Schwartz RH, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1100-2

Prospective epidemiological investigation of secretory otitis media in children attending day-care centers. Birch L, et al. **ORL J Otorhinolaryngol Relat Spec** 1984;46(5):229-34

[Occurrence of acute otitis media and its risk factors] Pukander J. **Duodecim** 1985;101(7):623-9 **(Fin)**

[Incidence of otitis in children and its significance for the pediatrician] Maahs H. **Arztl Jugendkd** 1984 Oct;75(5):322-6 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Bone resorption in chronic otitis media. The role of mast cells. Berger G, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):72-80

Acute otitis media. An animal experimental study. Grote JJ, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):239-49

Findings in a pair of temporal bones from a patient with secretory otitis media and chronic middle ear infection. Palva T, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):208-20

The human Eustachian tube lumen in children. I. The isthmus. Sadé J, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):305-9

Membrana shrapnelli of maturing rats. The occurrence of mast cells, and histamine content in relation to otitis media with effusion. Widemar L, et al. **Acta Otolaryngol (Stockh)** 1984 Sep-Oct;98(3-4):302-7

Tympanosclerosis of the ear drum in secretory otitis media. Møller P. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:171-7

Mechanisms in middle ear effusion production caused by irritation of the external auditory canal. Hellström S, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):220-2

Fluid and fibrosis in the human middle ear. Ishii T. **Am J Otolaryngol** 1985 May-Jun;6(3):196-9

Age and adenoid size in relation to adenoidectomy in otitis media with effusion. Maw AR. **Am J Otolaryngol** 1985 May-Jun;6(3):245-8

The eustachian tube midportion in infants. Sadé J, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):205-9

Mucociliary dysfunction in experimental otitis media with effusion. Takasaka T, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):232-6

Secretory otitis and pneumatization of the mastoid process: sexual differences in the size of mastoid cell system. Tos M, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):199-205

Otitis media with effusion in childhood. Marshall SG, et al. **Ann Allergy** 1984 Nov;53(5):370-8, 394 (22 ref.)

Histopathology of otitis media in infants with cleft and high-arched palates. Kitajiri M, et al. **Ann Otol Rhinol Laryngol** 1985 Jan-Feb;94(1 Pt 1):44-50

Size of the mastoid air cells and otitis media. Tos M, et al. **Ann Otol Rhinol Laryngol** 1985 Jul-Aug;94(4 Pt 1):386-92

A study of mucus glycoproteins in secretory otitis media. Brown DT, et al. **Arch Otolaryngol** 1985 Oct; 111(10):688-95

Pathology of acute otitis media and chronic secretory otitis media. Tos M. **Clin Rev Allergy** 1984 Nov;2(4):285-302 (72 ref.)

Longitudinal studies of experimental otitis media with Haemophilus influenzae in the gerbil. Fulghum RS, et al. **Int J Pediatr Otorhinolaryngol** 1985 Jul;9(2):101-14

Smith-McGuckin spot. Smith CW. **J R Soc Med** 1985 Jan; 78(1):18-26

Microscopic analysis of the mastoid bone in chronic serous otitis media. Newberg LB, et al. **Laryngoscope** 1985 Aug; 95(8):921-3

Subepithelial space in otitis media. Paparella MM, et al. **Laryngoscope** 1985 Apr;95(4):414-20

Clinical-histopathological correlations in experimental otitis media: implications for silent otitis media in humans. Giebink GS, et al. **Pediatr Res** 1985 Apr;19(4):389-96

The face in otitis media [letter] Sharon BI. **Pediatrics** 1985 Jan;75(1):131

[The effect of experimental inflammation on the ear drum in guinea pigs] Hybášek I. **Cesk Otolaryngol** 1984 Jul; 33(4):209-13 (Eng. Abstr.) **(Cze)**

[Significance of autoradiography in middle ear inflammations in childhood] Kašpárek L, et al. **Cesk Otolaryngol** 1985 Jan;34(1):15-8 (Eng. Abstr.) **(Cze)**

[Fibro-adhesive otitis: nosology and treatment] Charachon R, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):523-9 (Eng. Abstr.) **(Fre)**

[Histologic studies of radical cavities. Case reports from the Wittmaack collection] Rauchfuss A. **Laryngol Rhinol Otol (Stuttg)** 1985 May;64(5):243-8 (Eng. Abstr.) **(Ger)**

[Histopathological analyses of experimentally induced otitis media with effusion] Takasaka T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):688-92 (Eng. Abstr.) **(Jpn)**

[Granular myringitis. Morphological and clinical study. Apropos of a case] Basterra J, et al. **An Otorrinolaringol Ibero Am** 1985;12(2):127-33 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Functional eustachian tube obstruction and otitis media in a primate model. A review. Doyle WJ. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:52-7 (20 ref.)

Function and dysfunction of the eustachian tube in children. Bylander A. **Acta Otorhinolaryngol Belg** 1984;38(3):238-45

Surgical sequelae of abnormal eustachian tube function. McGee TM. **Am J Otol** 1985 May;6(3):229-30

Pumping and clearance function of the eustachian tube. Honjo I, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):241-4

Mast cells and middle ear effusion. Stenfors LE, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):217-9

Bacterial and polymorphonuclear leukocyte contribution to middle ear inflammation in chronic otitis media with effusion. Giebink GS, et al. **Ann Otol Rhinol Laryngol** 1985 Jul-Aug;94(4 Pt 1):398-402

Hearing acuity of children with otitis media with effusion. Fria TJ, et al. **Arch Otolaryngol** 1985 Jan;111(1):10-6

Brain-stem evoked response waveform variation associated with recurrent otitis media. Lenhardt ML, et al. **Arch Otolaryngol** 1985 May;111(5):315-6

Cell cooperation on bone resorption in chronic otitis media. Moriyama H, et al. **Arch Otorhinolaryngol** 1984; 241(1):89-93

Hearing loss and visco-elasticity of middle ear fluid. Marsh RR, et al. **Int J Pediatr Otorhinolaryngol** 1985 Jul; 9(2):115-20

Eustachian tube obstruction and allergy: a role in otitis media with effusion? Fireman P. **J Allergy Clin Immunol** 1985 Aug;76(2 Pt 1):137-40

Consequences of unremitting middle-ear disease in early life. Otologic, audiologic, and developmental findings in children with cleft palate. Hubbard TW, et al. **N Engl J Med** 1985 Jun 13;312(24):1529-34

[Pathogenesis of secretory otitis media] Palva T. **Duodecim** 1985;101(7):630-6 **(Fin)**

[Evaluation of eustachian tubal functions in patients with otitis media with effusion] Sakurai T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Mar;88(3):273-8 (Eng. Abstr.) **(Jpn)**

[Age and the vestibular function of patients with chronic purulent otitis media according to cupulometric findings] Fatrin AF, et al. **Vestn Otorinolaringol** 1984 Nov-Dec; (6):37-40 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Sulfisoxazole prophylaxis of middle ear effusion and recurrent acute otitis media. Varsano I, et al. **Am J Dis Child** 1985 Jun;139(6):632-5

Prevention of otitis media in children by pneumococcal vaccination. Karma P, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):173-84

Beneficial effect of pneumococcal vaccination on otitis media in children over two years old. Rosén C, et al. **Int J Pediatr Otorhinolaryngol** 1984 Jul;7(3):239-46

Otitis and breast-feeding [letter] Cunningham AS. **J Pediatr** 1984 Nov;105(5):854-5

RADIOGRAPHY

Technique and clinical importance of eustachian tube radiography. Khan NA. **Am J Otol** 1985 May;6(3):222-4

The role of computerized tomographic scan in the management of gradenigo's syndrome: a case report. Woody RC, et al. **Pediatr Infect Dis** 1984 Nov-Dec; 3(6):595-7

Acute otomastoiditis and its complications: role of CT. Mafee MF, et al. **Radiology** 1985 May;155(2):391-7

[Efficacy of tomographic studies in chronic otitis media] Chiesa A, et al. **Acta Otorhinolaryngol Belg** 1984; 38(4):422-6 **(Fre)**

[Petrososquamous plate and petrososquamous ridge in x-ray images] Kossovoĭ AL. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):76-8 **(Rus)**

RADIOTHERAPY

Adenoid cystic carcinoma of the nasopharynx after previous adenoid irradiation. Sofferman RA, et al. **Laryngoscope** 1985 Apr;95(4):458-61

[Determination of the nature of vascular reactions to the action of helium-neon laser radiation using an otorheographic method] Mishen'kin NV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun; (3):65-7 **(Rus)**

SURGERY

Tympanic effusions. A retrospective and prospective investigation into their aetiology and treatment. Wind J. **Acta Otorhinolaryngol Belg** 1984;38(6):610-8

Use of autograft and homograft TORP and PORP in the reconstruction of the conductive system in the middle ear. Betow C. **Am J Otol** 1985 Jul;6(4):331-3

Classification and surgical treatment of fibroadhesive otitis. Charachon R, et al. **Am J Otol** 1985 Jul;6(4):305-10

Use and abuse of ventilation tubes. Fernández-Blasini N. **Am J Otol** 1985 Mar;6(2):142-5

Treatment of chronic otitis media with effusion: results of tympanostomy tubes. Gates GA, et al. **Am J Otolaryngol** 1985 May-Jun;6(3):249-53

Petrous apicitis: surgical anatomy. Chole RA. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):251-7

Surgical obliteration of the tympanomastoid compartment and external auditory canal. Schuknecht HF, et al. **Ann Otol Rhinol Laryngol** 1984 Nov-Dec;93(6 Pt 1):641-5

A caring approach to the pediatric myringotomy patient. Harrison C, et al. **AORN J** 1985 Apr;41(4):765-8

Surgery in elderly patients with chronic otitis media. Vartiainen E, et al. **Arch Otolaryngol** 1985 Aug; 111(8):509-10

Failures in myringoplasty. Vartiainen E, et al. **Arch Otorhinolaryngol** 1985;242(1):27-33

Glue ear: the new dyslexia? [letter] **Br Med J [Clin Res]** 1985 Jul 20;291(6489):211-3

Glue ear: the new dyslexia? [letter] **Br Med J [Clin Res]** 1985 Aug 10;291(6492):411-2

Glue ear: the new dyslexia? Black N. **Br Med J [Clin Res]** 1985 Jun 29;290(6486):1963-5

A layman's guide to grommets. East DM. **Br Med J [Clin Res]** 1984 Dec 8;289(6458):1596-8

Secretory otitis media: grommets and swimming [editorial] Marks NJ. **Clin Otolaryngol** 1985 Feb;10(1):1-2

Surgery of chronic adhesive otitis media. Vartiainen E, et al. **Clin Otolaryngol** 1985 Jun;10(3):163-4

Serous otitis in children: medical and surgical aspects, diagnosis and management. Cotton RT, et al. **Clin Rev Allergy** 1984 Nov;2(4):329-48 (46 ref.)

The social class distribution of surgical patients: an assessment of Oxford Record Linkage Study data. Hunt K, et al. **Community Med** 1984 Nov;6(4):291-8

Mastoidectomy for chronic serous otitis media [letter] Newberg LB. **Ear Nose Throat J** 1984 Oct;63(10):523-4

Late results and complications of tympanostomy tube insertion for prophylaxis of recurrent purulent otitis media in pediatric age. Fior R, et al. **Int J Pediatr Otorhinolaryngol** 1984 Dec;8(2):139-46

Acute and latent mastoiditis in children. Palva T, et al. **J Laryngol Otol** 1985 Feb;99(2):127-36

The choice of techniques for the surgery of chronic otitis media with cholesteatoma. Portmann M. **J Laryngol Otol** 1985 Jun;99(6):533-7

Long-term ventilation of the middle ear using the Goode T-tube. Rothera MP, et al. **J Laryngol Otol** 1985 Apr; 99(4):335-7

Geographical variations in use of surgery for glue ear. Black N. **J R Soc Med** 1985 Aug;78(8):641-8

Heat myringotomy. Lau P, et al. **Laryngoscope** 1985 Jan; 95(1):38-42 (61 ref.)

Reconstruction of the Eustachian tube and the anterior tympanum: planned staged tubo-tympanoplasty. Murata K, et al. **Laryngoscope** 1985 Mar;95(3):330-4

Causes of failure of mastoidectomy for chronic otitis media. Nadol JB Jr. **Laryngoscope** 1985 Apr;95(4):410-3

Surgical management of attic retraction and chronic adhesive otitis media. Wallenborn PA Jr. **Va Med** 1984 Dec; 111(12):759-61

[Therapeutic results in chronic otitis media] Palva A. **Duodecim** 1985;101(7):637-42 **(Fin)**

[Operative tasks with regard to the cranial base for ENT medical care. II] Wullstein HL. **HNO** 1984 Aug; 32(8):313-9 (Eng. Abstr.) **(Ger)**

[Long-term result of grommets in children with secretory otitis media] Somekawa Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Mar;88(3):261-6 (Eng. Abstr.) **(Jpn)**

[Our experiences with the microsurgical treatment of cholesteatomas of the middle ear] Zini C, et al. **Otolaryngol Pol** 1985;39(2):110-9 (Eng. Abstr.) **(Pol)**

[Conservative surgery in chronic otomastoid suppuration] Popovici G, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep; 29(3):205-10 (Eng. Abstr.) **(Rum)**

[Method of tympanoossicular allotransplantation] Nechiporenko VP. **Vestn Otorinolaringol** 1985 Jan-Feb; (1):68-9 **(Rus)**

[Therapy of exudative chronic otitis using ventilating tubes. Results and consequences] Lučić M. **Srp Arh Celok Lek** 1984 Apr;112(4):453-8 (Eng. Abstr.) **(Scc)**

THERAPY

Developments in diagnosing and treating otitis media. Eichenwald H. **Am Fam Physician** 1985 Mar;31(3):155-64

Ventilating tubes [letter] **Arch Otolaryngol** 1985 Jun; 111(6):416

Sequelae of ventilation tubes following tonsillectomy. Svane-Knudsen V, et al. **Arch Otorhinolaryngol** 1985; 242(1):113-7

Transfer factor and repeated otitis media. Kaminkova J, et al. **Cell Immunol** 1984 Nov;89(1):259-64

Medical management of chronic mucosal otitis media [editorial] Browning GC. **Clin Otolaryngol** 1984 Jun; 9(3):141-4

An intervention to improve follow-up of patients with otitis media. Casey R, et al. **Clin Pediatr (Phila)** 1985 Mar; 24(3):149-52

Otitis media in the child. Eichenwald HE. **Hosp Pract [Off]** 1985 May 30;20(5A):51-5, 57, 60-1

To tube or not to tube: that continues to be the question [letter] Chamberlin RW. **Pediatrics** 1985 Aug;76(2):332

Otitis media. Ginsburg CM. **Pediatrics** 1984 Nov;74(5 Pt 2):948-9

[The effect of transfer factor on phagocytosis and humoral immunity in children with recurrent otitis media] Strejček J, et al. **Cas Lek Cesk** 1984 Aug 10;123(32):1003 **(Cze)**

[Use of transtympanic tubes in the treatment of conduction deafness in children] Sláma K. **Cesk Otolaryngol** 1984 Nov; 33(6):336-9 (Eng. Abstr.) **(Cze)**

[Characteristics and methods of treatment of chronic otitis in children] Savić D, et al. **Srp Arh Celok Lek** 1984 Oct; 112(10):1023-38 (Eng. Abstr.) **(Scc)**

TRANSMISSION

[Pediatric social studies on morbidity in child day care centers] Lorenz K, et al. **Kinderarztl Prax** 1985 Jan; 53(1):21-6 (Eng. Abstr.) **(Ger)**

VETERINARY

Head tilt in rabbits caused by pasteurellosis and encephalitozoonosis. Kunstýř I, et al. **Lab Anim** 1985 Jul; 19(3):208-13

Bacterial and mycoplasmal flora of the middle ear of laboratory rats with otitis media. Eamens GJ. **Lab Anim Sci** 1984 Oct;34(5):480-3

OTITIS MEDIA, SEROUS see under **OTITIS MEDIA**

OTITIS MEDIA, SUPPURATIVE see under **OTITIS MEDIA**

OTOLARYNGOLOGY

see related
OTORHINOLARYNGOLOGIC DISEASES

Do you dare to continue on the present track? Goldstein M. **Am J Otolaryngol** 1984 Jul-Aug;5(4):231-4

Slides and the otolaryngologist. Maran AG. **Clin Otolaryngol** 1984 Jun;9(3):171-4

Why does research in rhinology matter? Drettner B. **J Laryngol Otol** 1984 Dec;98(12):1193-205 (72 ref.)

The relevance of experimental otology to clinical work. Palva T. **J Laryngol Otol** 1984 Nov;98(11):1073-82

Industrial audiometry and the otologist. Dobie RA. **Laryngoscope** 1985 Apr;95(4):382-5

The use of the CO2 laser in otolaryngology: ten years of experience. Andrews AH Jr. **Lasers Surg Med** 1984; 4(4):305-10

The otolaryngologist's role in the craniofacial anomalies team. Holt GR, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):406-9

[Value of anesthetic consultation in an ENT service] Miossec A, et al. **Cah Anesthesiol** 1985 Apr-May;33(3):259-62 **(Fre)**

[What can be expected from computers in the ORL practitioner's office?] Despons JL. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(3):147-9 (Eng. Abstr.) **(Fre)**

[Incidence of chronic suppurative otomastoid complications at the Colţea ENT Clinic in 1976-1980] Georgescu S, et al. **Rev Chir [Otorinolaringol]** 1984 Oct-Dec;29(4):277-84 (Eng. Abstr.) **(Rum)**

[Surgical anatomic study of the ears in the Laboratory of Anatomy and Surgical Medicine of the Coltea ORL Clinic] Neuman H, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep; 29(3):231-40 **(Rum)**

[Organization of the work of the otorhinolaryngologist in the polyclinic] Edinak EN, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):73-7 (Eng. Abstr.) **(Rus)**

[Cumulated index of the Anales Otorrinolaringológicos Ibero-Americanos 1974-1983] **An Otorrinolaringol Ibero Am** 1984;11 Spec No:1-148 **(Spa)**

EDUCATION

A tympanocentesis learning aid. Weir MR, et al. **Am J Dis Child** 1985 Jun;139(6):553-4

University of Colorado School of Medicine otolaryngology training program. Jafek BW, et al. **Am J Otol** 1985 Mar; 6(2):187-9

Aesthetic facial surgery in the otolaryngology training program. Thomas JR. **Arch Otolaryngol** 1985 Mar; 111(3):141

Annual meeting of the American Academy of Otolaryngology-Head and Neck Surgery, Inc. Atlanta, Georgia, October 20-24, 1985. 1985 instruction course program. **Otolaryngol Head Neck Surg** 1985 May;Spec No:1-128

How to achieve progressive clinical responsibility [editorial] Paparella MM. **Otolaryngol Head Neck Surg** 1984 Oct; 92(5):493-7

[Characteristics of the teaching of otorhinolaryngology to medical students from developing countries] Preobrazhenskiĭ IuB. **Vestn Otorinolaringol** 1984 Sep-Oct; (5):57-61 (Eng. Abstr.) **(Rus)**

[Structure, ideological, moral and deontologic content of the introductory lecture of the department of otorhinolaryngology] Shanturov AG. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):78-81 (Eng. Abstr.) **(Rus)**

[Training of military otorhinolaryngologists to perform the duties of garrison specialists] Revskoĭ IuK, et al. **Voen Med Zh** 1984 Sep;(9):25-7 **(Rus)**

[The present state and perspectives in phoniatry education and the organization of phoniatric care in Slovakia] Krahulec I, et al. **Cesk Otolaryngol** 1985 Jul;34(4):245-7 **(Slo)**

[A look at the present activity of the Otolaryngology Department at the Institute for the Continuing Education of Physicians and Pharmacists in Bratislava] Stastný B. **Cesk Otolaryngol** 1984 Jun;33(3):190-2 **(Slo)**

HISTORY

Sir Astley Cooper and his otological papers. McGovern FH. **Ann Otol Rhinol Laryngol** 1984 Nov-Dec;93(6 Pt 1):531-3

History and otolaryngology. Stephens SD. **Clin Otolaryngol** 1985 Jun;10(3):123-4

Landmarks in laryngology. Kirchner JA. **Conn Med** 1985 Apr;49(4):235-9

A brief history of otolaryngology and head and neck surgery in South Carolina. Hanckel RW. **J SC Med Assoc** 1984 Aug;80(8):376-7

[History of otolaryngologic care in Bratislava] Barta T. **Cesk Otolaryngol** 1984 Jul;33(4):268-71 **(Cze)**

[40 years building Czechoslovak otolaryngology] Bláha K. **Cesk Otolaryngol** 1985 Jun;34(3):129-34 **(Cze)**

[40 years of the Otorhinolaryngology Clinic in Hradec Králové] Hybášek I. **Cesk Otolaryngol** 1985 Jul; 34(4):209-11 **(Cze)**

[Development of pediatric otolaryngology in Slovakia] Klačanský I. **Cesk Otolaryngol** 1984 Jun;33(3):193-4 **(Cze)**

[Ear, nose and throat research in Finland in the light of academic dissertations] Kärjä J, et al. **Duodecim** 1985; 101(7):721-34 **(Fin)**

[History of the studies on the lymphatic system of laryngeal mucosa] Skarżyński H, et al. **Otolaryngol Pol** 1985; 39(2):106-9 (Eng. Abstr.) **(Pol)**

[Origins of allergology in otorhinolaryngology] Sielużycki C. **Pol Tyg Lek** 1985 Mar 25-31;40(12-13):393-5 **(Pol)**

[40th anniversary of victory in World War II] Revskoĭ IuK. **Vestn Otorinolaringol** 1985 May-Jun;(3):8-10 **(Rus)**

INSTRUMENTATION

New instrument: intranasal needle holder. Parell GJ. **Laryngoscope** 1985 Jun;95(6):735

Use of a head mirror and bifocals simultaneously. Kearby NL. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):282-3

The Mobile Treatment System. Silverstein H. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):489-90

[The EGJ-1 sonotubometer and initial results of its use] Ma BY, et al. **Chung Hua I Hsueh Tsa Chih** 1984 Jul;64(7):453-6 **(Chi)**

MANPOWER

Manpower issues for a surgical specialty: the impact of oversupply [editorial] Bailey BJ. **JAMA** 1985 Feb 15; 253(7):1025-6

METHODS

An otolaryngology surgical coding and reporting system. Lee JW, et al. **Otolaryngol Head Neck Surg** 1984 Aug; 92(4):413-7

Allergy practice in California. Diagnostic and therapeutic methods used by allergists and otolaryngologists. Terr AI, et al. **West J Med** 1985 Aug;143(2):276-9

STANDARDS

[ISO: International Standard Organization. Its organization--running operations--recommendation proposals] Hennebert PE. **Acta Otorhinolaryngol Belg** 1984; 38(6):555-61 (Eng. Abstr.) **(Fre)**

OTOLITHIC MEMBRANE see under **SACCULE AND UTRICLE**

OTORHINOLARYNGOLOGIC DISEASES

Proceedings of the scientific session of the Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum. Corfu, September 9-12, 1984. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):201-499

Seven years of the Department of Otolaryngology Kyoto University. Festschrift for Professor Manabi Hinoki, former chairman of the department (1976-1983). **Acta Otolaryngol [Suppl] (Stockh)** 1984;419:1-194

Proceedings of the 1984 annual meeting of the German Society for Otorhinolaryngology, Head and Neck Surgery. Abstracts. **Arch Otorhinolaryngol** 1985;241(2):103-39

Oto-Rhino-Laryngological Research Society (ORS). Meeting, 5 October 1984. Abstracts. **Clin Otolaryngol** 1985 Apr;10(2):113-20

[Combine traditional Chinese and western medicine in the field of otolaryngology] Tan JS. **Chung Hsi I Chieh Ho Tsa Chih** 1984 May;4(5):303-5 **(Chi)**

[1984 report of the German Society of Otorhinolaryngology and Head and Neck Surgery. II: Meeting report] **Arch Otorhinolaryngol [Suppl]** 1984;2:1-281 **(Ger)**

[85th general meeting of the Otorhinolaryngological Society of Japan. Tokyo, Japan, 18-20 May 1984. Abstracts] **Nippon Jibiinkoka Gakkai Kaiho** 1984 Oct;87(10):1181-481 **(Jpn)**

CHEMICALLY INDUCED

Toxic and drug-induced disorders in otolaryngology. Rutka J, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):761-74

COMPLICATIONS

Otolaryngological complications in infectious mononucleosis. Johnsen T, et al. **J Laryngol Otol** 1984 Oct;98(10):999-1001

[Pleuromediastinal complications of cervical phlegmon caused by anaerobic germs of dental or ORL origin] Levasseur P, et al. **Ann Chir** 1984 Oct;38(7):567-71 (Eng. Abstr.) **(Fre)**

[Headaches caused by ENT diseases] Reck R. **Radiologe** 1984 Aug;24(8):376-80 (6 ref.) (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Nuclear magnetic resonance imaging of facial structures. Halimi P, et al. **J Neuroradiol** 1984,11(4):274-84 **(Eng, Fre)**

Five unusual otorhinolaryngeal cases. Hanckel RW, et al. **J SC Med Assoc** 1985 Mar;81(3):127-9

The Mobile Treatment System. Silverstein H. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):489-90

Life-threatening neck infections. Early diagnosis to forestall crisis. Beck HJ, et al. **Postgrad Med** 1984 Dec;76(8):69-78

[ENT surgery and laboratory medicine--the modern aspects of cooperation] Allner R, et al. **HNO** 1985 Apr; 33(4):145-51 (12 ref.) (Eng. Abstr.) **(Ger)**

[Flexible fiber endoscopy in ENT] Yamashita K, et al. **HNO** 1984 Sep;32(9):378-84 (Eng. Abstr.) **(Ger)**

[Significance of the diagnosis of sarcoidosis in otorhinolaryngology] Hüttenbrink KB. **Laryngol Rhinol Otol (Stuttg)** 1985 Jul;64(7):325-7 (Eng. Abstr.) **(Ger)**

[Nuclear magnetic resonance tomography in otorhinolaryngology. II. Diagnostic possibilities] Mees K, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Apr;64(4):177-80 (Eng. Abstr.) **(Ger)**

[Nuclear magnetic tomography in otorhinolaryngology. Case reports] Mees K, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Oct;63(10):485-7 (Eng. Abstr.) **(Ger)**

[Misinterpretations of otorhinolaryngologic symptoms] Pfaltz CR. **Schweiz Rundsch Med Prax** 1985 May 14;74(20):521-2 **(Ger)**

DRUG THERAPY

An overview of ENT infections and antibiotics. Garagusi VF. **Ear Nose Throat J** 1985 Mar;64(3):103-6

Results of the clinical trials in France. Ghanassia JP. **G Ital Chemioter** 1982;29 Suppl 1:187-91

Nimesulide for the treatment of painful inflammatory process in the ear, nose and throat areas: a double-blind controlled study with benzydamine. Milvio C. **J Int Med Res** 1984; 12(6):327-32

The use of steroids in otolaryngology. Nedzelski JM, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):803-9

Contemporary antibiotic therapy in otolaryngology. Neu HC. **Otolaryngol Clin North Am** 1984 Nov;17(4):745-60

[Clinical evaluation of TMS-19-Q, a new macrolide antibiotic, in otorhinolaryngological infections] Baba S, et al. **Jpn J Antibiot** 1985 Mar;38(3):595-614 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Otolaryngology and sport scuba diving. Update and guidelines. Neblett LM. **Ann Otol Rhinol Laryngol [Suppl]** 1985 Jan-Feb;115:1-12

1001 disorders of the ear, nose and sinuses in scuba divers. Roydhouse N. **Can J Appl Sport Sci** 1985 Jun;10(2):99-103

Otolaryngologic and head and neck manifestations of acquired immunodeficiency syndrome (AIDS). Marcusen DC, et al. **Laryngoscope** 1985 Apr;95(4):401-5

Otorhinolaryngologic complications of rheumatic diseases. Kovarsky J. **Semin Arthritis Rheum** 1984 Nov;14(2):141-50 (162 ref.)

[Isolated otorhinolaryngologic manifestations disclosing amyotrophic lateral sclerosis] Mussini JM, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):329-33 (Eng. Abstr.) **(Fre)**

[Subjective evaluation of health status and opinions with regard to harmful environmental factors of the population of Płock] Krzyżanowski M. **Przegl Epidemiol** 1984; 38(3):295-300 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

[Human genetic aspects of inborn ear, nose, and throat diseases] Jörgensen G. **HNO** 1985 Jun;33(6):241-54 (50 ref.) (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Zoonoses in the ORL region] Duclos P, et al. **J Fr Otorhinolaryngol** 1984 Dec;33(10):495-500 **(Fre)**

OCCURRENCE

Otorhinolaryngologic disorders of adolescents: a review. Ruben RJ. **Int J Pediatr Otorhinolaryngol** 1985 Jun; 9(1):1-30

Ear, nose and throat diseases in Saudi Arabia. Microbiology and clinical observations. Hossain A, et al. **Trop Geogr Med** 1985 Mar;37(1):77-80

[The indoor climate in schools. Otolaryngologic study of teachers from an older school without and a modern school with indoor climate] Sederberg-Olsen J, et al. **Ugeskr Laeger** 1984 May 7;146(19):1453-5 (Eng. Abstr.) **(Dan)**

PATHOLOGY

[Format filling photodocumentation with the flexible endoscope Olympus ENF-P using a new objective combination] Mertens J. **HNO** 1985 Jul;33(7):328-31 (Eng. Abstr.) **(Ger)**

[Histiocytosis X in the field of otorhinolaryngology] Deitmer T. **Laryngol Rhinol Otol (Stuttg)** 1984 Aug;63(8):408-12 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Principles of the organization and conduction of mass screening of workers in 'dusty' professions] Ostapkovich EV. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):61-5 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

The role of the psychiatrist in otolaryngology. Hertz SM, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):735-43

RADIOGRAPHY

Neuroradiology of the skull base. Seeger JF. **Otolaryngol Clin North Am** 1984 Aug;17(3):459-82

RADIONUCLIDE IMAGING

[Value of isotope diagnosis in diseases of the ENT area. Status, development and trends] Tiedjen KU, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Oct;63(10):498-510 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[Experience with the He-Ne laser in otorhinolaryngology] Hubáček J, et al. **Cesk Otolaryngol** 1984 Jun;33(3):135-9 (Eng. Abstr.) **(Cze)**

SURGERY

The need for analgesic cover after ENT surgery--comparison of nefopam and papaveretum. Hannington-Kiff JG. **Anaesthesia** 1985 Jan;40(1):76-8

Indoramin-induced hypotension. An evaluation during ear, nose and throat surgery. Millar SW, et al. **Anaesthesia** 1985 Jul;40(7):687-92

Anaesthesia for ENT surgery in children [letter] Stow PJ, et al. **Anaesthesia** 1985 Jul;40(7):713-4

The laser in otolaryngology. White B. **J SC Med Assoc** 1984 Aug;80(8):381-2

An otolaryngology surgical coding and reporting system. Lee JW, et al. **Otolaryngol Head Neck Surg** 1984 Aug; 92(4):413-7

The divergent second opinion: eventual outcome of physician-changing. Reiter D. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter; 37(2):231-4

[Use of the YAG laser in ORL (apropos of 147 applications)] Haguenauer JP, et al. **J Fr Otorhinolaryngol** 1984 Dec; 33(10):529-33 **(Fre)**

[Evaluation of the use of the combination sulfamethoxazole-trimethoprim-ornidazole in the prevention of infections in major ORL surgery and otoneurosurgery (on 100 cases)] Lenoir JL, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(3):221-4 (Eng. Abstr.) **(Fre)**

[Ambulatory surgery in otorhinolaryngology] Lehmann W. **Schweiz Rundsch Med Prax** 1985 Jul 9;74(28):759-62 (Eng. Abstr.) **(Fre)**

[1st report on the use of an autogenous tissue adhesive in otorhinolaryngology] Wolf G, et al. **HNO** 1985 Apr; 33(4):152-5 (Eng. Abstr.) **(Ger)**

[Operative tasks with regard to the cranial base in otorhinolaryngology. III] Wullstein HL. **HNO** 1984 Oct; 32(10):401-12 (Eng. Abstr.) **(Ger)**

[Surgical tactics in ENT diseases in patients with hemophilia] Iausheva AA, et al. **Vestn Otorinolaringol** 1985 May-Jun; (3):64-6 (Eng. Abstr.) **(Rus)**

THERAPY

Symposium on medical therapy in otolaryngology. **Otolaryngol Clin North Am** 1984 Nov;17(4):631-809

The medical treatment of head and neck pain. Resor SR Jr, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):787-801

The management of medical emergencies in otolaryngology. Sussman GL, et al. **Otolaryngol Clin North Am** 1984 Nov; 17(4):775-86

[Homeopathy as seen by a nonhomeopathic otorhinolaryngologist] Schepens Y. **Acta Otorhinolaryngol Belg** 1984;38(2):208-11 (Eng. Abstr.) **(Fre)**

[Drug treatment of pain in otorhinolaryngology] Cros AM, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(1):31-5 (Eng. Abstr.) **(Fre)**

[Inpatient care in the specialty of otorhinolaryngology in East Germany 1970 to 1980] Blumenthal-Barby K, et al. **Z Arztl Fortbild (Jena)** 1985;79(1):31-3 **(Ger)**

[Treatment with plants in otorhinolaryngology] Ovchinnikov IuM, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):88-91 (63 ref.) **(Rus)**

OTORHINOLARYNGOLOGIC NEOPLASMS

Malignant otolaryngological tumors in children. Benoit Y, et al. **Acta Otorhinolaryngol Belg** 1984;38(3):288-301

[Manifestations of malignant melanoma in the ORL area] Cervenka J. **Cesk Otolaryngol** 1984 Nov;33(6):350-5 (Eng. Abstr.) **(Cze)**

[Results of measuring superweak spontaneous radiation of benign and malignant tumors in the ORL area] Navrátil J. **Cesk Otolaryngol** 1984 Sep;33(5):273-80 (Eng. Abstr.) **(Cze)**

[Surgical aspects of bony metastasis of the long bones originating from cancers of the ORL area] Katzner M, et al. **J Fr Otorhinolaryngol** 1984 Oct;33(8):387-91 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Carcinogenicity of diallylnitrosamine following intragastric administration to Syrian hamsters. Grandjean CJ, et al. **JNCI** 1985 May;74(5):1043-6

COMPLICATIONS

[Prevention of cavities and of osteonecroses in patients irradiated in the oto-rhino-laryngologic area] Haefliger JM. **Rev Med Suisse Romande** 1985 Mar;105(3):247-53 **(Fre)**

DIAGNOSIS

[ORL localizations of Abrikossoff's tumors. Apropos of 5 cases. A tumor which is not always benign] Bedbeder P, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(3):169-73 (Eng. Abstr.) **(Fre)**

[Nuclear magnetic resonance (NMR)-CT in otorhinolaryngology] Hashimoto S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Dec;87(12):1690-701 (Eng. Abstr.) **(Jpn)**

[Errors in the diagnosis of otorhinolaryngologic neoplasms at the pre-hospital stage] Teterin FN, et al. **Voen Med Zh** 1985 Feb;(2):65-6 **(Rus)**

DRUG THERAPY

Phase II trial of diaziquone in advanced upper aerodigestive cancer. Creagan ET, et al. **Cancer Treat Rep** 1985 Jan; 69(1):141

[Intra-arterial chemotherapy of ORL tumors. 10 years' experience in the Antoine-Lacassagne Center] Demard F, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(5):285-91 (Eng. Abstr.) **(Fre)**

[Chemotherapy of carcinoma of the upper respiratory and digestive tract] Brugère J. **Bull Cancer (Paris)** 1984; 71(4):370-3 (Eng. Abstr.) **(Fre)**

[Induction chemotherapy of cancers of the upper respiratory and digestive tract. Analysis of tumor response in 176 patients] Lacau St. Guily J, et al. **Presse Med** 1985 Jun 15;14(24):1313-6 (Eng. Abstr.) **(Fre)**

[Therapy of recurrent squamous cell cancers in the ENT area with the sequential methotrexate (MTX)/5-fluorouracil (5-Fu) protocol] Scherlacher A, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):58-61 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Incidence of double malignant tumors in the Otorhinolaryngology Clinic of the Medical School Hospital and Polyclinic in Brno over the past 15 years] Ryšánková J, et al. **Cesk Otolaryngol** 1984 Jul;33(4):260-3 (Eng. Abstr.) **(Cze)**

RADIOTHERAPY

[Osteoradionecrosis of the mandible, apropos of 39 cases] Legros M, et al. **J Fr Otorhinolaryngol** 1984 Nov; 33(9):453-6, 459 (Eng. Abstr.) **(Fre)**

SURGERY

Reconstruction of the skull base. Schuller DE, et al. **Laryngoscope** 1984 Oct;94(10):1359-64

[Postoperative infection in ORL oncologic surgery. The choice of preventive antibiotherapy. Experience of the ORL Department of Hôpital Claude Bernard] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 1985; 102(3):187-93 (Eng. Abstr.) **(Fre)**

THERAPY

Combined microwave therapy [letter] Holt JA, et al. **Med J Aust** 1985 Jun 24;142(13):707-8

[Angiomatous lesions of the cervicofacial region. Apropos of 7 cases] Traissac L, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):585-7 (Eng. Abstr.) **(Fre)**

[Clinical and experimental oncology] **Arch Otorhinolaryngol [Suppl]** 1984;2:263-72 **(Ger)**

[Initial results of hyperthermia in palliative therapy of cancers in the ENT area] Jakse R, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):52-7 (Eng. Abstr.) **(Ger)**

OTORHINOLARYNGOLOGY see **OTOLARYNGOLOGY**

OTOSCLEROSIS

see related
FENESTRATION
STAPES MOBILIZATION

Otosclerosis and Meniere's syndrome: diagnosis and treatment. Paparella MM, et al. **Laryngoscope** 1984 Nov; 94(11 Pt 1):1414-7

BLOOD

[Concentration of various bioelements in the serum of otosclerosis patients] Martini A, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(1):69-71 (Eng. Abstr.) **(Fre)**

[Endogenous steroids and otosclerosis] Ribári O, et al. **HNO** 1985 Apr;33(4):183-6 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Osteogenesis imperfecta clinical features, hearing loss and stapedectomy. Biochemical, osteodensitometric, corneometric and histological aspects in comparison with otosclerosis. Pedersen U. **Acta Otolaryngol [Suppl] (Stockh)** 1985;415:1-36

Otosclerosis: a preventable cause of hearing loss. House JL, et al. **Indiana Med** 1985 Apr;78(4):276-8

[Tumor of the cerebellopontile angle associated with tympanosclerosis] Pośpiech L, et al. **Otolaryngol Pol** 1984; 38(4):349-54 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

New imaging tests for otology. Valvassori GE. **Am J Otol** 1984 Oct;5(6):434-7

Immunologic testing of certain ear diseases. Yoo TJ, et al. **Am J Otol** 1985 Jan;6(1):96-101

Otosclerosis in a black child: diagnostic acoustic impedance studies. Schweitzer VG, et al. **Int J Pediatr Otorhinolaryngol** 1984 Oct;8(1):79-90

The doubtful value of tympanometry in the diagnosis of otosclerosis. Browning GG, et al. **J Laryngol Otol** 1985 Jun;99(6):545-7

[Comparative analysis of the appearance of the drum membrane,the pneumatization of the mastoid process and the tympanogram in patients with otosclerosis] Petrović Z, et al. **Srp Arh Celok Lek** 1983 Aug;111(8):1125-31 **(Scc)**

[Early detection of stapediovestibular otosclerosis] Savić D, et al. **Srp Arh Celok Lek** 1984 Jan;112(1):11-9 (Eng. Abstr.) **(Scc)**

[Differential diagnostic problems in diseases and injuries of the middle ear] Kitanoski B, et al. **Vojnosanit Pregl** 1985 Jan-Feb;42(1):14-8 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Objective changes in trypsin, alpha 1-antitrypsin, and alpha 2-macroglobulin values as a result of sodium fluoride treatment in patients with otosclerosis. Causse JR, et al. **Am J Otol** 1985 Jan;6(1):38-42

Clinical studies on fluoride in otospongiosis. Causse JR, et al. **Am J Otol** 1985 Jan;6(1):51-5

Sodium fluoride as a treatment for otosclerotic hearing loss. Linthicum FH Jr, et al. **Am J Otol** 1985 Jan;6(1):35-7

Current status of fluoride therapy for otosclerosis. Snow JB Jr. **Am J Otol** 1985 Jan;6(1):56-8

Diphosphonates for otospongiosis. Stutzmann JJ, et al. **Am J Otol** 1985 Jan;6(1):89-95

Otospongiosis and sodium fluoride. A blind experimental and clinical evaluation of the effect of sodium fluoride treatment in patients with otospongiosis. Bretlau P, et al. **Ann Otol Rhinol Laryngol** 1985 Mar-Apr;94(2 Pt 1):103-7

ETIOLOGY

Vitamin D deficiency and otosclerosis. Brookes GB. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):313-21

[Middle ear; otosclerosis] **Arch Otorhinolaryngol [Suppl]** 1984; 2:257-62 **(Ger)**

[Rare case of degenerative changes in the middle ear in osteogenesis imperfecta] Buczylko K, et al. **Otolaryngol Pol** 1984;38(6):533-7 (Eng. Abstr.) **(Pol)**

[Our observations on the effect of mechanical injuries on the activation of the otospongiosis process] Latkowski B, et al. **Otolaryngol Pol** 1985;39(2):120-3 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Familial combined hyperlipidemia and otosclerosis—the occurrence in a large kindred. Levy Y, et al. **Am J Med Sci** 1985 Mar;289(3):107-9

IMMUNOLOGY

HLA antigens in patients with otosclerosis. Dahlqvist A, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):33-5

METABOLISM

Non-collagen proteins of stapedial bone matrix in perilymph of otosclerotic patients. Gróf J, et al. **Acta Otolaryngol (Stockh)** 1985 May-Jun;99(5-6):557-63

Peptides of the otosclerotic perilymph examined by analytical isotachophoresis. Sziklai I, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):25-34

Cyclic nucleotide and prostaglandin F2 alpha contents of otosclerotic auditory ossicles. Ribári O, et al. **Arch Otorhinolaryngol** 1985;242(1):63-6

The effect of flavone treatment on human otosclerotic ossicle organ cultures. Sziklai I, et al. **Arch Otorhinolaryngol** 1985; 242(1):67-70

OCCURRENCE

Otosclerosis in South Australia. Gristwood RE, et al. **Clin Otolaryngol** 1984 Aug;9(4):221-8

PATHOLOGY

Collagen fibres in otosclerosis and in osteogenesis imperfecta tarda. A light and electron microscopic study. Balle VH, et al. **Acta Otolaryngol (Stockh)** 1984 Nov-Dec; 98(5-6):413-7

Experimental studies on pathology and therapy of otospongiosis. Petrovic AG, et al. **Am J Otol** 1985 Jan; 6(1):43-50

Ossicular and otic capsular lesions in LP/J mice. Chole RA, et al. **Ann Otol Rhinol Laryngol** 1985 Jul-Aug;94(4 Pt 1):366-72

[Otosclerosis] Meurman OH. **Duodecim** 1985;101(7):643-9 **(Fin)**

[Dynamics of bone restructuring in the otosclerotic focus and stapes footplate. Radioisotope studies] Konarska A, et al. **Otolaryngol Pol** 1984;38(3):197-202 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Phasor diagram: a comparative study between normal ears and otosclerotic ears. Gersdorff M, et al. **Audiology** 1985; 24(3):167-73

[Stapedovestibular otospongiosis beginning in the cochlea. Apropos of 3 cases] Demaldent JE, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(6):445-9 (Eng. Abstr.) **(Fre)**

[Correlations between bone conduction and speech audiometry in various functional states] Pirodda A, et al. **Acta Otorhinolaryngol Ital** 1985 Jan-Feb;5(1):41-6 (Eng. Abstr.) **(Ita)**

[The vestibular apparatus in otosclerosis] Pośpiech L. **Otolaryngol Pol** 1984;38(4):313-21 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Otosclerosis: comparison of complex-motion tomography and computed tomography. Chintapalli K, et al. **AJNR** 1985 Jan-Feb;6(1):85-9

Labyrinthine otosclerosis studied with a new computed tomography technique. de Groot JA, et al. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):223-5

Use of CT in the evaluation of cochlear otosclerosis. Mafee MF, et al. **Radiology** 1985 Sep;156(3):703-8
Use of CT in stapedial otosclerosis. Mafee MF, et al. **Radiology** 1985 Sep;156(3):709-14
Cochlear otosclerosis (otospongiosis): CT analysis with audiometric correlation. Swartz JD, et al. **Radiology** 1985 Apr;155(1):147-50
[Feasibility of high resolution CT in the demonstration of the vestibular aqueduct (Ménière) and otospongiosis of the labyrinth] Zonneveld FW, et al. **Radiologe** 1984 Nov; 24(11):508-15 (Eng. Abstr.) **(Ger)**

SURGERY

Stapedotomy technique and results. Causse JB, et al. **Am J Otol** 1985 Jan;6(1):68-71
'Stapedotomy' technique and results. Marquet J. **Am J Otol** 1985 Jan;6(1):63-7
Robinson stainless steel stapes prosthesis: technique and results. Robinson M. **Am J Otol** 1985 Jan;6(1):72-3
Stapedectomy technique and results. Shea JJ. **Am J Otol** 1985 Jan;6(1):61-2
Juvenile stapedectomy. von Haacke NP. **Clin Otolaryngol** 1985 Feb;10(1):9-13
Fenestration: a twenty-five-year evaluation. Brooks DN. **J Laryngol Otol** 1985 Mar;99(3):225-30
Speech discrimination in advanced otosclerosis following stapedectomy. Iurato S, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(1):37-41
Surgical management of attic retraction and chronic adhesive otitis media. Wallenborn PA Jr. **Va Med** 1984 Dec; 111(12):759-61
[Revision of stapes operations in otosclerosis] Zelený M, et al. **Cesk Otolaryngol** 1985 Jan;34(1):7-14 (Eng. Abstr.) **(Cze)**
[Tympanosclerosis. II. Treatment] Pietruski J, et al. **Otolaryngol Pol** 1984;38(2):97-105 (Eng. Abstr.) **(Pol)**
[Our experience with the Schucknecht procedure] Tikhy S, et al. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):86-7 **(Rus)**
[The effect of the degree of deafness on the prognosis of the surgical treatment of otosclerosis] Savić D, et al. **Srp Arh Celok Lek** 1984 Feb;112(2):163-71 (Eng. Abstr.) **(Scc)**

OTOSPONGIOSIS see **OTOSCLEROSIS**

OTTERS see under **CARNIVORA**

OUABAIN

ANALYSIS

An endogenous ouabain-like factor associated with hypertensive pregnant women. Graves SW, et al. **J Clin Endocrinol Metab** 1984 Dec;59(6):1070-4

ANTAGONISTS & INHIBITORS

Studies on the calcium antagonistic action of tetrandrine: VIII. Antagonistic effects of tetrandrine on ouabain-induced contraction of coronary arterial strips. Fang DC, et al. **Acta Acad Med Wuhan** 1984;4(3):129-32
Inhibition of sympathetic nervous system by mexiletine, an antiarrhythmic agent, and its antagonism against ouabain. Kitagawa H, et al. **Arzneimittelforsch** 1985;35(1A):356-9
Insurmountable antagonism of ouabain-induced coronary constriction by prazosin. Tanz RD, et al. **Eur J Pharmacol** 1985 May 28;112(1):111-3
Barium removes the ouabain-induced increase in the rod response to light. Walter AE, et al. **Invest Ophthalmol Vis Sci** 1985 May;26(5):782-5
Protective action of cimetidine against ouabain-induced pressor effects, arrhythmias, and lethality in guinea pigs. Trzeciakowski JP. **J Cardiovasc Pharmacol** 1985 Jul-Aug; 7(4):622-9
Role of vagus in the antagonism of ouabain induced arrhythmias in dogs by beta-adrenoceptor antagonists and related drugs. Alkondon M, et al. **J Pharm Pharmacol** 1984 Oct;36(10):702-4
[Effects of several anti-arrhythmia agents on excitability and conduction depressed by digitalis agents] Márquez M, et al. **Arch Inst Cardiol Mex** 1984 Nov-Dec;54(6):535-44 (Eng. Abstr.) **(Spa)**

BLOOD

Erythrocyte sodium content, sodium transport, ouabain binding capacity and Na+, K+-ATPase activity in lean and obese subjects. Hawkins M, et al. **Horm Metab Res** 1984 Jun;16(6):282-5
Demonstration of a ouabainlike plasma compound in hypertension prone and hypertension resistant rats. Lichtstein D, et al. **Hypertension** 1985 Sep-Oct;7(5):729-33
[3H]ouabain binding and sodium content in lymphocyte sub-populations and the demonstration of increased binding in type 2 diabetes mellitus. Berntorp E, et al. **Scand J Clin Lab Invest** 1985 Feb;45(1):27-36

CEREBROSPINAL FLUID

Evidence for the presence of 'ouabain like' compound in human cerebrospinal fluid. Lichtstein D, et al. **Brain Res** 1985 Jan 28;325(1-2):13-9

DIAGNOSTIC USE

[The ouabain-sensitive Na-K pump in children with essential hypertension] Koltai G, et al. **Orv Hetil** 1985 Feb 17; 126(7):381-4 (Eng. Abstr.) **(Hun)**

METABOLISM

Role of sulfatide on phosphoenzyme formation and ouabain binding of the (Na+ + K+)ATPase. Jedlicki A, et al. **Arch Biochem Biophys** 1985 May 1;238(2):558-64
Spin-labeled ouabain as a probe for cardiac glycoside receptor/Na, K-ATPase. Solomonson LP, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):210-6
Stability of [3H]ouabain binding to the (Na+ + K+)-ATPase solubilized with C12E8. Inaba M, et al. **Biochim Biophys Acta** 1985 Aug 27;818(2):267-70
Transport functions of the liver. Lack of correlation between hepatocellular ouabain uptake and binding to (Na+ + K+)-ATPase. Petzinger E, et al. **Biochim Biophys Acta** 1985 May 28;815(3):334-40
Pharmacokinetics and biliary excretion of bromosulphophthalein, [3H]-ouabain and [3H]-taurocholic acid in rats with glycerol-induced acute renal failure. Bowmer CJ, et al. **Br J Pharmacol** 1984 Nov;83(3):773-82
Erythrosin B inhibits high affinity ouabain binding in guinea-pig heart Na+-K+-ATPase without influence on cardiac glycoside induced contractility. Fricke U. **Br J Pharmacol** 1985 Jun;85(2):327-34
Sodium load and high affinity ouabain binding in rat and guinea-pig cardiac tissue. Herzig S, et al. **Br J Pharmacol** 1985 Mar;84(3):685-8
Quantitative autoradiography of [3H]ouabain binding sites in rat brain. Spyropoulos AC, et al. **Brain Res** 1984 Nov 19;322(1):189-93
[3H]Ouabain binding and 86 rubidium uptake during the dimethyl sulfoxide-induced differentiation of human promyelocytic leukemia HL-60 cells. Ladoux A, et al. **FEBS Lett** 1984 Oct 29;176(2):467-72
Ouabain binding and Na+ content in resistance vessels and skeletal muscles of spontaneously hypertensive rats and K+-depleted rats. Aalkjaer C, et al. **Hypertension** 1985 Mar-Apr;7(2):277-86
(Na,K)-ATPase and Ouabain binding in reticulocytes from dogs with high K and low K erythrocytes and their changes during maturation. Maede Y, et al. **J Biol Chem** 1985 Mar 25;260(6):3337-43
Specific ouabain binding to brain microvessels and choroid plexus. Harik SI, et al. **J Cereb Blood Flow Metab** 1985 Mar;5(1):156-60
Photoaffinity labeling of the ouabain binding site in Na, K-ATPase in developing brine shrimp. Churchill L, et al. **J Exp Zool** 1984 Sep;231(3):343-50
Aging: effects on sodium- and potassium-activated adenosine triphosphatase activity and ouabain binding sites in rat brain. Kennedy RH, et al. **J Gerontol** 1985 Jul;40(4):401-8
Significance of skeletal muscle digitalis receptors for [3H]ouabain distribution in the guinea pig. Kjeldsen K, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):720-7
Sodium-potassium pump in guinea-pig parotid gland: secretagogue stimulation of ouabain binding to dispersed acini. Hootman SR, et al. **J Physiol (Lond)** 1985 Mar; 360:121-34
Plasma ouabain-like properties in hypertension and volume expansion. Devynck MA, et al. **Klin Wochenschr** 1985;63 Suppl 3:91-3
Effect of chronic streptozotocin-induced diabetes on [3H]ouabain binding in the rat left ventricle. Fawzi AB, et al. **Life Sci** 1985 May 20;36(20):1977-81
The age-dependent changes in the number of 3H-ouabain binding sites in mammalian skeletal muscle. Kjeldsen K, et al. **Pflugers Arch** 1984 Sep;402(1):100-8
The effects of dopaminergic denervation on Na+-K+ ATPase activity and 3H-ouabain binding in rat corpus striatum. Bjur RA, et al. **Proc West Pharmacol Soc** 1984; 27:35-8
Estimation of stability of [3H]-ouabain binding site concentration in rat and human skeletal muscle post mortem. Nørgaard A, et al. **Scand J Clin Lab Invest** 1985 Apr;45(2):139-44

PHARMACODYNAMICS

Modification of the renal effects of ouabain by calcium channel blockers. Cruz-Soto MA, et al. **Adv Exp Med Biol** 1984;178:319-27
Na+-K+-ATPase inhibitors and renin release: relationship to calcium. Cruz-Soto M, et al. **Am J Physiol** 1984 Oct; 247(4 Pt 2):F650-5
Effects of ouabain, low K+, and aldosterone on hypoxic pressor reactivity of rat lungs. Herget J, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H55-60
Increased ouabain sensitivity of cultured human fibroblasts from muscular dystrophy. Ledbetter ML. **Am J Physiol** 1984 Nov;247(5 Pt 1):C415-23
Effect of ouabain on K secretion in cortical collecting tubules from adrenalectomized rabbits. Wingo CS. **Am J Physiol** 1984 Oct;247(4 Pt 2):F588-95
Histochemical localization of ouabain-sensitive, K+-dependent p-nitrophenylphosphatase (Na+-K+-ATPase) activity in the submandibular gland of the mouse: effect of androgen, thyroid hormone, or postnatal age. Sims-Sampson G, et al. **Anat Rec** 1984 Sep; 210(1):53-60
On the ouabain-sensitive potassium activated p-nitrophenyl phosphatase activity of vascular muscle plasma membranes. Kwan CY, et al. **Arch Int Pharmacodyn Ther** 1984 Dec; 272(2):245-55
Characterization of the ouabain-insensitive ATPase activity of rat liver plasma membranes. Oertle M, et al. **Arch Int Physiol Biochim** 1984 Aug;92(2):107-18
Cytochemical localization of alkaline phosphatase and ouabain-sensitive K+-dependent p-nitrophenylphosphatase activities in brain capillaries of the newt. Franceschini V, et al. **Basic Appl Histochem** 1984; 28(3):281-9
PY 108-068, a dihydropyridine derivative, and verapamil interact differently with the ouabain effects on the heart and the peripheral circulation. Hof RP, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):66-75
Effects of A23187 and Ca2+ on volume- and thiol-stimulated, ouabain-resistant K+C1- fluxes in low K+ fluxes in low K+ sheep erythrocytes. Lauf PK, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):790-6
Lipid synthesis in isolated rat hepatocytes: activation by insulin and vanadate and inhibition by ouabain. Castro J, et al. **Biochem Int** 1984 Oct;9(4):413-20
Effect of ouabain on amino acid uptake by mouse ascites-tumour cells in the presence of nigericin. Johnson E, et al. **Biochem J** 1985 Mar 15;226(3):773-9
Species variation in the ouabain sensitivity of cardiac Na+/K+-ATPase. A possible role for membrane lipids. Abeywardena MY, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3649-54
An effect of piretanide upon the intracellular cation contents of cells subjected to partial chronic (Na-K) pump blockade by ouabain. Aiton JF, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3425-31
The hepatic response to Ca2+ is inhibited by Mg2+ and enhanced by phenylephrine or ouabain. Becker J, et al. **Biochim Biophys Acta** 1985 Mar 21;844(3):352-8
Basic characterization of an ouabain-resistant, bumetanide-sensitive K+ carrier-mediated transport system in J774.2 mouse macrophage-like cell line and in variants deficient in adenylate cyclase and cAMP-dependent protein kinase activities. Bourrit A, et al. **Biochim Biophys Acta** 1985 Jul 11;817(1):85-94
Ouabain- and potassium-induced stimulation of amylase release in fragments and acini of rabbit pancreas. Kuijpers GA, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):454-62
Stimulation by calcium and carbamoylcholine of the ouabain-sensitive uptake of 86Rb+ in isolated rat pancreatic acinar cells. Lucas M, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):561-7
Effect of Ca2+ on the ouabain-insensitive, active Na+ uptake in inside-out basolateral plasma membrane vesicles from rat kidney proximal tubular cells. Marín R, et al. **Biochim Biophys Acta** 1985 Jul 25;817(2):299-306
Effects of N-ethylmaleimide on ouabain-insensitive cation fluxes in human red cell ghosts. Smith DK, et al. **Biochim Biophys Acta** 1985 Aug 27;818(2):251-9
Dome formation in the human colon carcinoma cell line Caco-2 in culture. Influence of ouabain and permeable supports. Ramond MJ, et al. **Biol Cell** 1985;54(1):89-92
Synergistic interaction between histamine and ouabain on ventricular fibrillation threshold. Trzeciakowski JP. **Br J Pharmacol** 1985 May;85(1):21-7
Dependence of Na+,K+-ATPase and electrogenic component of Em in cultured myotubes on cell fusion. Brodie C, et al. **Brain Res** 1985 Jun 17;336(2):384-6
Concentration-response curves of positive inotropic agents before and after ouabain pretreatment. Brown L, et al. **Cardiovasc Res** 1985 May;19(5):288-98
The vasopressor response to centrally administered ouabain. Caldwell RW, et al. **Circ Res** 1984 Dec;55(6):773-9
Kinetics of thallium exchange in cultured rat myocardial cells. McCall D, et al. **Circ Res** 1985 Mar;56(3):370-6
An improved non-radioisotopic method for measuring ouabain-sensitive Na+ efflux from erythrocytes. Smith JB, et al. **Clin Chim Acta** 1984 Nov 30;143(3):295-9
Studies on the role of intracellular sodium and calcium in the centrally mediated pressor effects of CSF [Na+], ouabain and angiotensin II in anesthetized dogs. Jandhyala BS, et al. **Clin Exp Hypertens** [A] 1985;7(5-6):793-807
Centrally-induced vasopressor responses to ouabain are augmented in spontaneously hypertensive rats. Takahashi H, et al. **Clin Exp Hypertens** [A] 1984;6(8):1499-515
Ouabain-insensitive Na+ stimulation of a microsomal Mg2+ -ATPase in gills of sea bass (Dicentrarchus labrax L.). Borgatti AR, et al. **Comp Biochem Physiol** [A] 1985; 81(1):127-35
Stimulation by proctolin of the ouabain-insensitive sodium efflux in single barnacle muscle fibers. Nwoga J, et al. **Comp Biochem Physiol** [C] 1985;81(2):345-50
Hypertrophied rat heart. New Na+, K+-ATPase-ouabain interactions in sarcolemma vesicles. Charlemagne D, et al. **Eur Heart J** 1984 Dec;5 Suppl F:315-21
Specific involvement of calmodulin and non-specific effect of tropomyosin in the sensitivity to ouabain of Na+,K+-ATPase in murine plasmocytoma cells. Lelievre LG, et al. **Eur J Biochem** 1985 Apr 1;148(1):13-9
Effect of neuraminidase treatment on the inotropic response to ouabain, isoproterenol and calcium in the guinea pig heart. Fawzi AB, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):295-311
Enhanced ouabain sensitivity of the heart and myocardial

sodium pump in aged rats. Katano Y, et al. **Eur J Pharmacol** 1984 Oct 1;105(1-2):95-103

Temperature-dependent development of ouabain action in isolated guinea pig heart: differences in sodium influx? Temma K. **Eur J Pharmacol** 1984 Sep 17;104(3-4):223-33

The ouabain-sensitive component of synaptosomal respiration. Kálmán M. **Exp Brain Res** 1984;56(3):539-42

Characterization of ouabain-resistant mutants of the preadipocyte Ob17 clonal line. Adipose conversion in vitro and in vivo. Gaillard D, et al. **Exp Cell Res** 1985 Feb; 156(2):513-27

Differential sensitivity of metaphase to diamide and ouabain in HeLa cells. Ziegler ML, et al. **Exp Cell Res** 1985 May; 158(1):263-6

Activatory effect of two cardioglycosides on Cavia cobaya kidney Na+/K+-ATPase activity. Giunta C, et al. **Gen Pharmacol** 1985;16(3):183-8

Magnitude of ouabain-sensitive respiration of lamb hepatocytes (Ovis aries). McBride BW, et al. **Int J Biochem** 1985;17(1):43-9

Protein secretion by the rat epididymis can be selectively modified in vitro by local anesthetics, glucose deprivation, dinitrophenol, ouabain, and ionophores. Brooks DE. **J Androl** 1984 Sep-Oct;5(5):351-60

Ouabain-resistant cells cultured in a synthetic medium. Saishu T, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1079-84

Expression of an ouabain resistance gene in transfected cells. Ouabain treatment induces a K+-transport system. English LH, et al. **J Biol Chem** 1985 Jan 25;260(2):1114-9

Effect of ouabain on the responses to vasoconstrictor agents in isolated perfused rat tail arteries. Armsworth SJ, et al. **J Cardiovasc Pharmacol** 1985 Jul-Aug;7(4):694-9

Combined effects of ouabain and hypoxia on the transmembrane potential of of canine cardiac Purkinje fibers. Chilson RA, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):368-76

Effect of local infusion of ouabain on human forearm vascular resistance and on response to potassium, verapamil and sodium nitroprusside. Robinson BF, et al. **J Hypertens** 1983 Aug;1(2):165-9

Ouabain-resistant Na+, K+ transport system in mouse NIH 3T3 cells. Atlan H, et al. **J Membr Biol** 1984;81(3):181-8

Feedback inhibition of NaCl entry in Necturus gallbladder epithelial cells. Jensen PK, et al. **J Membr Biol** 1984; 82(1):95-104

Morphological and physiological studies of rat kidney cortex slices undergoing isosmotic swelling and its reversal: a possible mechanism for ouabain-resistant control of cell volume. Russo MA, et al. **J Membr Biol** 1985;85(1):1-24

Ouabain-evoked norepinephrine release from intact rat sympathetic neurons: evidence for carrier-mediated release. Sweadner KJ. **J Neurosci** 1985 Sep;5(9):2397-406

Inhibitory effect of ouabain on the palytoxin-induced contraction of human umbilical artery. Ishida Y, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):557-60

Dual effect of ouabain on the palytoxin-induced contraction and norepinephrine release in the guinea-pig vas deferens. Ishida Y, et al. **J Pharmacol Exp Ther** 1985 Feb; 232(2):551-6

Kinetics of ouabain binding and changes in cellular sodium content, 42K+ transport and contractile state during ouabain exposure in cultured chick heart cells. Kim D, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):326-33

Effect of ouabain on tone, membrane potential and sodium efflux compared with [3H]ouabain binding in rat resistance vessels. Aalkjaer C, et al. **J Physiol (Lond)** 1985 May; 362:215-31

Relation of sodium pump inhibition to positive inotropy at low concentrations of ouabain in rat heart muscle. Grupp I, et al. **J Physiol (Lond)** 1985 Mar;360:149-60

Sodium-selective micro-electrode study of apical permeability in frog skin: effects of sodium, amiloride and ouabain. Harvey BJ, et al. **J Physiol (Lond)** 1984 Nov; 356:359-74

Centrally-induced vasopressor responses to sodium-potassium adenosine triphosphatase inhibitor, ouabain, may be mediated via angiotensin II in the anteroventral third ventricle in the brain. Takahashi H, et al. **Jpn Circ J** 1984 Nov;48(11):1243-50

Cortical collecting tubule potassium secretion: effect of amiloride, ouabain, and luminal sodium concentration. Wingo CS. **Kidney Int** 1985 Jun;27(6):886-91

Vasoconstrictor effects of ouabain: mechanisms of action. Mulvany MJ, et al. **Klin Wochenschr** 1985;63 Suppl 3:143-6

Effects of varying salt diets and of ouabain on cardiovascular neuroeffector characteristics and on myogenic resistance vessel activity in SHR and WKY. Nilsson H, et al. **Klin Wochenschr** 1985;63 Suppl 3:86-90

Extracellular potassium concentration; perhexiline and SKF-525A on the action of ouabain in isolated self-beating rat auricles. Canga L, et al. **Methods Find Exp Clin Pharmacol** 1984 Sep;6(9):497-502

Modulation by ouabain and diphenylhydantoin of veratridine-induced 22Na influx and its relation to 45Ca influx and the secretion of catecholamines in cultured bovine adrenal medullary cells. Wada A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):273-8

Role of synaptosomal Na-accumulation in transmitter release. Meyer EM, et al. **Neurochem Res** 1984 Jun;9(6):815-21

Pharmacological study on the effects of some ocular hypotensive drugs on aqueous humor formation in the arterially perfused enucleated rabbit eye. Kodama T, et al. **Ophthalmic Res** 1985;17(2):120-4

Mechanism of NaCl secretion in rectal gland tubules of spiny dogfish (Squalus acanthias). II. Effects of inhibitors. Greger R, et al. **Pflugers Arch** 1984 Dec;402(4):364-75

Ouabain decreases apparent potassium-conductance in proximal tubules of the amphibian kidney. Messner G, et al. **Pflugers Arch** 1985 May;404(2):131-7

Effect of a low sodium medium, ouabain and noradrenaline on relaxation of the myocardium of the perfused rabbit heart. Fišer B, et al. **Physiol Bohemoslov** 1985;34(1):77-84

Effects of adrenaline, calcium, and ouabain on the resting potential of frog muscle: interpretation based on the theory of allosteric control of cooperative interactions among surface anionic sites. Ling GN, et al. **Physiol Chem Phys Med NMR** 1984;16(5):405-23

Phorbol 12-myristate 13-acetate, ionomycin or ouabain, and raised extracellular magnesium induce proliferation of chicken heart mesenchymal cells. Balk SD, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6418-21

Correlation of ouabain-sensitive ion movements with cell-cycle activation. Leister KJ, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1599-603

Calcium-induced pulmonary vasodilation: modification by meclofenamate and ouabain. Voelkel NF. **Prostaglandins Leukotrienes Med** 1984 Sep;15(3):359-73

Does the natriuretic hormone play a role in hypertension in South African blacks? Milne FJ, et al. **S Afr Med J** 1984 Sep 15;66(11):403-7

Ouabain inhibits renin release by a direct renal haemodynamic effect. Langård O, et al. **Scand J Clin Lab Invest** 1984 Oct;44(6):557-63

Properties of ouabain-resistant variants of a polarized established cell line. Rossi B, et al. **Soc Gen Physiol Ser** 1985;39:135-47

[Impairing effect of ouabain on heart muscle slices of guinea pigs] Ludwig C, et al. **Biomed Biochim Acta** 1984; 43(7):1033-6 (Eng. Abstr.) **(Ger)**

[Inotropic effect of strophanthin in combination with calcium on the heart muscle] Chekman IS, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):320-3 (Eng. Abstr.) **(Rus)**

TOXICITY

Prostaglandin involvement in hypersensitivity of ischemic hearts to arrhythmogenic influence of ouabain. Moffat MP, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):H57-63

Enhancement of triggered activity in ischemic Purkinje fibers by ouabain: a mechanism of increased susceptibility to digitalis toxicity in myocardial infarction. Hariman RJ, et al. **J Am Coll Cardiol** 1985 Mar;5(3):672-9

Bromocriptine treatment of digitalis-induced ventricular tachyarrhythmias: studies in a canine model. Kao A, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1188-94

OUTBREAKS see **DISEASE OUTBREAKS**

OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)

Tricyclic antidepressants--blood level measurements and clinical outcome: an APA Task Force report. Task Force on the Use of Laboratory Tests in Psychiatry. **Am J Psychiatry** 1985 Feb;142(2):155-62 (67 ref.)

Major depression with mood-congruent or mood-incongruent psychotic features: outcome after 40 years. Coryell W, et al. **Am J Psychiatry** 1985 Apr; 142(4):479-82

Therapist actions that address initially poor therapeutic alliances in psychotherapy. Foreman SA, et al. **Am J Psychiatry** 1985 Aug;142(8):922-6

Outcome study of familial and nonfamilial alcoholism. Frances RJ, et al. **Am J Psychiatry** 1984 Nov; 141(11):1469-71

Empathy and outcome in brief focal dynamic therapy. Free NK, et al. **Am J Psychiatry** 1985 Aug;142(8):917-21

Expanding patient involvement in care. Effects on patient outcomes. Greenfield S, et al. **Ann Intern Med** 1985 Apr; 102(4):520-8

Implementing outcome standards. A planning strategy. Botsford J. **AORN J** 1984 Oct;40(4):572-5

Controlled evaluation of a hospital-originated community transitional system. Kuldau JM, et al. **Arch Gen Psychiatry** 1977 Nov;34(11):1331-40

Therapist success and its determinants. Luborsky L, et al. **Arch Gen Psychiatry** 1985 Jun;42(6):602-11

Preventive intervention with the recently bereaved. Raphael B. **Arch Gen Psychiatry** 1977 Dec;34(12):1450-4

Prolonged surgical intensive care. A useful allocation of medical resources. Madoff RD, et al. **Arch Surg** 1985 Jun; 120(6):698-702

Outcome assessment in clinical trials. Evidence for the sensitivity of a health status measure. Meenan RF, et al. **Arthritis Rheum** 1984 Dec;27(12):1344-52

A comparative evaluation of two psychiatric day hospitals. Milne D. **Br J Psychiatry** 1984 Nov;145:533-7

Are patients with abnormal cervical smears adequately managed? Elwood JM, et al. **Br Med J [Clin Res]** 1984 Oct 6;289(6449):891-4

The rapid transit system for patients with fractures of proximal femur. Sikorski JM, et al. **Br Med J [Clin Res]** 1985 Feb 9;290(6466):439-43

Outcome of respiratory intensive care for the elderly. McLean RF, et al. **Crit Care Med** 1985 Aug;13(8):625-9

The Patterns of Care Outcome Studies: results of the National practice in carcinoma of the larynx. Lustig RA, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2357-62

Comparison of hospitalization between nursing home and community residents. Gabow PA, et al. **J Am Geriatr Soc** 1985 Aug;33(8):524-9

Academic affiliation with a nursing home. Impact on patient outcome. Jahnigen DW, et al. **J Am Geriatr Soc** 1985 Jul; 33(7):472-8

The quality of emergency room radiograph interpretations. McLain PL, et al. **J Fam Pract** 1985 May;20(5):443-8

From hospital to community. Six-month and two-year outcomes for 505 patients. Goering P, et al. **J Nerv Ment Dis** 1984 Nov;172(11):667-73

Goal attainment scaling with hospitalized sexual offenders. Lang RA, et al. **J Nerv Ment Dis** 1985 Sep;173(9):527-37

Outcome from severe head injury in children and adolescents. Berger MS, et al. **J Neurosurg** 1985 Feb;62(2):194-9

Prehospital cardiopulmonary resuscitation. Is it effective? Cummins RO, et al. **JAMA** 1985 Apr 26;253(16):2408-12

What price psychiatry without psychotherapy? Aveline M. **Lancet** 1984 Oct 13;2(8407):856-9

A comment on 'Does practice make perfect?' [letter] Dranove D. **Med Care** 1984 Oct;22(10):966

Comparative costs versus symptomatic and employment benefits of medical and surgical treatment of stable angina pectoris. Hemenway D, et al. **Med Care** 1985 Feb; 23(2):133-41

Determinants of nursing home discharge status. Weissert WC, et al. **Med Care** 1985 Apr;23(4):333-43

The impact of routine admission chest x-ray films on patient care. Hubbell FA, et al. **N Engl J Med** 1985 Jan 24; 312(4):209-13

Clinical predictors of outcome in ischemic stroke. Caronna JJ, et al. **Neurol Clin** 1983 Feb;1(1):103-17

Frequently occurring problems of patients with rheumatic diseases. The ANA outcome standards for rheumatology nursing practice. Pigg JS, et al. **Nurs Clin North Am** 1984 Dec;19(4):697-708

Outcome after admission to an intensive care unit. A 6-week study at Baragwanath Hospital. Hira B, et al. **S Afr Med J** 1985 Feb 2;67(5):180-1

Predicting the outcome of hospitalization for elderly persons: home versus nursing home. Wachtel TJ, et al. **South Med J** 1984 Oct;77(10):1283-5, 1290

[Results of socialist competition in a unified multi-profile hospital] Petrov MN, et al. **Sov Zdravookhr** 1984;(8):40-4 **(Rus)**

METHODS

Sensitive measures of outcome [letter] Reves JG, et al. **Anesth Analg** 1985 Jul;64(7):751-2

Glasgow Outcome Scale and Disability Rating Scale: comparative usefulness in following recovery in traumatic head injury. Hall K, et al. **Arch Phys Med Rehabil** 1985 Jan;66(1):35-7

Assessing physiotherapy effectiveness. Process/outcome studies. Truscott B. **Aust Clin Rev** 1984 Sep;(14):21-4

Evaluation of primary care in a community clinic by means of explicit process criteria. Sheps S, et al. **Can Med Assoc J** 1984 Oct 15;131(8):881-6

Measuring outcome [letter] Harris M, et al. **Hosp Community Psychiatry** 1984 Dec;35(12):1236-7

The measurement iterative loop: a framework for the critical appraisal of need, benefits and costs of health interventions. Tugwell P, et al. **J Chronic Dis** 1985;38(4):339-51

A quantitative method of identifying older persons at risk for increasing long term care services. Williams ME, et al. **J Chronic Dis** 1984;37(9-10):705-11

Factors which influence neuropsychological recovery from severe head injury. Warren JB, et al. **J Neurosurg Nurs** 1984 Oct;16(5):248-52

Preferences for health outcomes. Comparison of assessment methods. Read JL, et al. **Med Decis Making** 1984; 4(3):315-29

New motor assessment scale examined [letter] Shutter LA, et al. **Phys Ther** 1985 Jul;65(7):1091-6

Evaluation of social work practice in health care settings. Peterson KJ, et al. **Soc Work Health Care** 1984 Fall; 10(1):1-16

[Individually oriented progress research: detection and evaluation of therapeutic effect based on individual treatment goals. 1: Is there, in research on results, a space for individually oriented procedures?] Kordy H, et al. **Z Klin Psychol Psychopathol Psychother** 1984;32(3):218-33 (Eng. Abstr.) **(Ger)**

OUTER MEMBRANE PROTEINS, BACTERIAL see **BACTERIAL OUTER MEMBRANE PROTEINS**

OUTPATIENT CLINICS see **AMBULATORY CARE FACILITIES**

OUTPATIENT CLINICS, HOSPITAL

see related

AMBULATORY CARE

Use of serum drug concentrations in outpatient clinics. Pitterle ME, et al. **Am J Hosp Pharm** 1985 Jul;

42(7):1547-52

Hypertension screening in the eye clinic. Baker RS, et al. **Ann Ophthalmol** 1984 Oct;16(10):971-4

Commencing on insulin: inpatient? Outpatient? How long? Blejde S, et al. **Aust Clin Rev** 1984 Dec;(15):6-7

Outpatient stabilisation program. An innovative approach in the management of diabetes in a large teaching hospital. Hoskings PH, et al. **Aust Clin Rev** 1984 Dec;(15):8-11

A tool for the assessment and achievement of family goals within the clinical genetics service. Scott RV, et al. **Birth Defects** 1984;20(6):147-50

Computerized histories facilitate patient care in a termination of pregnancy clinic: the use of a small computer to obtain and reproduce patient information. Lilford RJ, et al. **Br J Obstet Gynaecol** 1985 Apr;92(4):333-40

Wide variations in hospital waiting times and lists. **Br Med J [Clin Res]** 1985 Feb 16;290(6467):577-8

Experiences in a coagulation referral clinic in Bristol. Daly HM, et al. **Bristol Med Chir J** 1985 Jan;100(373):18-20

Outpatient cancer centers begin to gain attention. **Hospitals** 1985 Sep 16;59(18):54

Therapeutic response of absence seizures in patients of an epilepsy clinic for adolescents and adults. Wolf P, et al. **J Neurol** 1984;231(4):225-9

Patient exposition and physician explanation in initial medical interviews and outcomes of clinic visits. Putnam SM, et al. **Med Care** 1985 Jan;23(1):74-83

Survival of cystic fibrosis patients in South Australia. Evidence that cystic fibrosis centre care leads to better survival. Hill DJ, et al. **Med J Aust** 1985 Sep 16; 143(6):230-2

The Dental Ambulatory Care Program at Mt. Sinai Hospital. Cohen CI. **NY J Dent** 1985 Apr-May;55(4):149-50

Early detection of bacteremia in an outpatient clinic. Liu CH, et al. **Pediatrics** 1985 May;75(5):827-31

The outpatient clinic for patients under chronic lithium or neuroleptic treatment as a phase-IV research tool. Pietzcker A, et al. **Pharmacopsychiatry** 1984 Sep; 17(5):162-7

Is institutional transference an over-used concept in the treatment of chronic psychiatric patients? de Bosset F. **Psychiatr J Univ Ottawa** 1984 Sep;9(3):115-7

Psychosocial factors in admitting to homosexuality in sexually transmitted disease clinics. Ross MW. **Sex Transm Dis** 1985 Apr-Jun;12(2):83-7

Hypertension clinics [letter] Goodman RP, et al. **South Med J** 1985 Jan;78(1):71

Cimetidine usage for unlabeled conditions in an ambulatory care service. Thomas CT, et al. **South Med J** 1984 Oct; 77(10):1281-2

[Telephonic advice from a casualty department] Kjersgaard AG, et al. **Ugeskr Laeger** 1985 Apr 15;147(16):1363-4 (Eng. Abstr.) **(Dan)**

[Immediate aid in the outpatient department of a local hospital] Nedrebø T, et al. **Tidsskr Nor Laegeforen** 1985 Feb 10;105(4):311-3 (Eng. Abstr.) **(Nor)**

[Heart diseases in children: comparative study of 1257 cases attended in outpatient clinics and hospital wards] Atik E, et al. **Arq Bras Cardiol** 1984 May;42(5):311-4 (Eng. Abstr.) **(Por)**

[Experience with the detection of arterial hypertension in a population of males aged 30-59 in an urban polyclinic] Pavlov AA, et al. **Klin Med (Mosk)** 1984 Sep;62(9):49-55 (Eng. Abstr.) **(Rus)**

[Complex roentgenofluorographic examination of the thoracic organs in conducting outpatient screening] Portnoĭ LM, et al. **Vestn Rentgenol Radiol** 1985 Jan-Feb;(1):8-16 (Eng. Abstr.) **(Rus)**

[Improvement of large-frame fluorography for diagnosing heart diseases in polyclinic conditions] Vishniakova MV, et al. **Vestn Rentgenol Radiol** 1985 Jan-Feb;(1):18-24 (Eng. Abstr.) **(Rus)**

[Role of specialized fluorographic centers in diagnosing cancer and chronic diseases of the stomach] Portnoĭ LM, et al. **Vopr Onkol** 1984;30(10):74-80 (Eng. Abstr.) **(Rus)**

ECONOMICS

Development of a cost-efficient psychogeriatrics service. Barsa JJ, et al. **Am J Psychiatry** 1985 Feb;142(2):238-41

Cost-justification of a clinical pharmacist-managed anticoagulation clinic. Gray DR, et al. **Drug Intell Clin Pharm** 1985 Jul-Aug;19(7-8):575-80

HISTORY

Betty LeRoy Davis Outpatient Clinic dedication. **Ala J Med** Sci 1984 Apr;21(2 Suppl 2):4

ORGANIZATION & ADMINISTRATION

Implementing clinical pharmacy services in an outpatient oncology clinic. Caselnova DA 3d, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1348-52

Retrospective evaluation of a pharmacist-managed warfarin anticoagulation clinic. Garabedian-Ruffalo SM, et al. **Am J Hosp Pharm** 1985 Feb;42(2):304-8

Impact of computerization on dispensing time in an ambulatory-care pharmacy. Moss RL, et al. **Am J Hosp Pharm** 1985 Feb;42(2):309-12

How to establish a pharmacokinetics consulting service for ambulatory patients. Robinson JD, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2048-53

Mainstreaming inpatients and outpatients. Modifying systems to everyone's advantage. Barton AK. **AORN J** 1985 Feb; 41(2):386-8

The general medicine clinic. Making the ugly duckling fly. Girard DE, et al. **Arch Intern Med** 1984 Nov; 144(11):2217-9

Integration, performance key to ambulatory care information systems. Packer CL. **Hospitals** 1985 May 16;59(10):120-2

University wellness commitment initiates nutrition clinic. Corrozi AM, et al. **J Am Diet Assoc** 1985 Jan;85(1):81-2

Measurement and management of tinnitus. Part II. Management. Coles RR, et al. **J Laryngol Otol** 1985 Jan; 99(1):1-10

The role of the pharmacist in the anticoagulant clinic. Pegg M, et al. **J R Coll Physicians Lond** 1985 Jan;19(1):39-44

After-hours telephone access to physicians with access to computerized medical records. Experience in an inner-city general medicine clinic. Darnell JC, et al. **Med Care** 1985 Jan;23(1):20-6

Hospital satellite clinics. Part IV--An excerpt from a study of Missouri health maintenance organizations, preferred provider organizations, hospital satellite clinics and freestanding emergency care centers. Hoskins B. **Mo Med** 1984 Sep;81(9):631-2

[Role of the Outpatient Clinic for Pulmonary Diseases and Tuberculosis in primary health care] Moskwa Z. **Wiad Lek** 1985 Jan 15;38(2):163-9 **(Pol)**

[Role of women's outpatient clinics in the prevention of pregnancy and labor complications in anemia] Dzhabbarova IuK, et al. **Akush Ginekol (Mosk)** 1984 Aug; (8):19-21 **(Rus)**

[Dispensarization of multiparae in women's consultation centers] Kaiupova NA, et al. **Akush Ginekol (Mosk)** 1985 May;(5):56-7 **(Rus)**

[Activities of a mobile polyclinic for providing outpatient services for women in remote regions of the Tomsk district] Popova VN, et al. **Akush Ginekol (Mosk)** 1985 May; (5):64-5 **(Rus)**

[Our experience with a 5-group registration system in providing outpatient services for women] Potkina IE. **Akush Ginekol (Mosk)** 1985 May;(5):57-60 **(Rus)**

[System for automating primary examinations of the public in a polyclinic] Drozhzhin VM, et al. **Med Tekh** 1984 Nov-Dec;(6):9-11 (Eng. Abstr.) **(Rus)**

[Organization of ambulatory traumatological services for the adult population in Kishinev] Revenko VF, et al. **Ortop Travmatol Protez** 1984 Jul;(7):58-60 **(Rus)**

[Activities of the Sverdlovsk pulmonological center] Shulutko ML, et al. **Probl Tuberk** 1985;(1):19-24 (Eng. Abstr.) **(Rus)**

[Cooperation between hospitals and outpatient clinics] Gomel'skaia GL, et al. **Sov Zdravookhr** 1985;(4):29-32 **(Rus)**

[Role of the medical director of the outpatient therapeutic department in the preparation of the total population for annual screening] L'vov AN, et al. **Sov Zdravookhr** 1985; (3):26-9 **(Rus)**

[Organization of the work of the otorhinolaryngologist in the polyclinic] Edinak EN, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):73-7 (Eng. Abstr.) **(Rus)**

[Organizational experience with polyclinic service for cancer patients] Talaev MI, et al. **Vopr Onkol** 1985;31(3):96-8 (Eng. Abstr.) **(Rus)**

STANDARDS

Randomised controlled trial of routine hospital clinic care versus routine general practice care for type II diabetics. Hayes TM, et al. **Br Med J [Clin Res]** 1984 Sep 22; 289(6447):728-30

Metabolic control of diabetes in general practice clinics: comparison with a hospital clinic. Singh BM, et al. **Br Med J [Clin Res]** 1984 Sep 22;289(6447):726-8

[Analysis of work of district therapists and methods for improvement] Dzizinskiĭ AA. **Sov Med** 1984;(7):79-82 **(Rus)**

TRENDS

[Preoperative anesthesiology clinic. 7 years in service] Pappagallo S, et al. **Minerva Anestesiol** 1984 Dec; 50(12):619-34 (Eng. Abstr.) **(Ita)**

[Objectives of pediatric outpatient clinics with regard to enhancing the role of the family in rearing a healthy child] Kamsiuk LG. **Sov Zdravookhr** 1985;(3):19-23 (Eng. Abstr.) **(Rus)**

UTILIZATION

Analysis of a hospital-based stomatherapy service. Phillips R, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):37-40

Impact of introduction of colposcopy to a district general hospital. Singer A, et al. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1049-51

What's the market for outpatient surgery? Inguanzo JM, et al. **Hospitals** 1985 Aug 1;59(15):55-7

Use of psychologic testing in characterizing the frequent user of ambulatory health care services. Marron JT, et al. **J Fam Pract** 1984 Dec;19(6):802, 806

Computerized patient visit data analysis for the outpatient department of Jeddah General Hospital. Burney FA, et al. **J Med Syst** 1984 Dec;8(6):571-7

Wasting resources in referrals to hospital [letter] **Lancet** 1984 Dec 22;2(8417-18):1468-70

A paediatric observation ward. Biddulph J. **Papua New Guinea Med J** 1984 Sep-Dec;27(3-4):163-5

Baseline data for an epidemiologic study of the psychiatric adult outpatient clinics population served by the department of psychiatry of a university teaching general hospital. Sarwer-Foner GJ, et al. **Psychiatr J Univ Ottawa** 1985 Jun;10(2):59-80

Patterns of attendance at Jamaican sickle cell clinics 1952 to 1981. Serjeant GR, et al. **Trans R Soc Trop Med Hyg** 1984;78(5):648-52

Utilization of primary health services in Port Sudan, Sudan. Saeed AA. **Trop Geogr Med** 1984 Sep;36(3):267-72

[The casualty department study in the western part of the County of Frederiksborg. III. Contact pattern in a public casualty department] Larsen T, et al. **Ugeskr Laeger** 1984 Oct 22;146(43):3309-12 (Eng. Abstr.) **(Dan)**

[The casualty department study in the western part of the County of Frederiksborg. IV. Public and restricted casualty departments compared] Larsen T, et al. **Ugeskr Laeger** 1984 Oct 22;146(43):3313-6 (Eng. Abstr.) **(Dan)**

[Attractiveness as an indicator of frequentation: study of the case of a mental health canter] Luong CL, et al. **Cah Sociol Demogr Med** 1984 Jul-Sep;24(3):249-58 **(Fre)**

[Laboratory diagnostic examinations of male adolescents in outpatient clinics and hospitals] Borodin SE. **Lab Delo** 1985;(1):10-3 (Eng. Abstr.) **(Rus)**

[Experience in the organization of ambulatory chemotherapy at the All-Union Oncologic Research Center of the USSR Academy of Medical Sciences] Sokolova VD, et al. **Vopr Onkol** 1985;31(1):92-6 (Eng. Abstr.) **(Rus)**

OUTPATIENT SURGERY see **AMBULATORY SURGERY**

OUTPATIENTS see under **PATIENTS**

OVAL WINDOW see under **VESTIBULAR APPARATUS**

OVALBUMIN

Use of avidin to prepare biotin-free culture media. Waller JR, et al. **Anal Biochem** 1984 Aug 15;141(1):189-93

Measurement of serum chorionic gonadotropin by a biotin-avidin labeled enzyme immunoassay. Fehskens E, et al. **Ann Clin Lab Sci** 1985 May-Jun;15(3):241-5

Sialic acid-containing sugar chains of hen ovalbumin and ovomucoid. Yamashita K, et al. **Carbohydr Res** 1984 Jul 15;130:271-88

Comparative study of avian ovalbumins by means of glycosidase treatment and following HPLC analysis of their dansyl glycopeptides. Iwase H, et al. **Comp Biochem Physiol [B]** 1984;79(3):321-4

Fractionation of peptic glycopeptides from chicken ovalbumin by reversed-phase high-performance liquid chromatography. Iwase H, et al. **J Chromatogr** 1985 Mar 1;320(2):426-9

Conjugated avidin binds to mast cell granules. Tharp MD, et al. **J Histochem Cytochem** 1985 Jan;33(1):27-32

A new method of iodinating ovalbumin, a protein which lacks accessible tyrosine groups, by conjugation to a highly fluorescent coumarin active ester, CASE. Samuel D, et al. **J Immunol Methods** 1985 Jul 16;81(1):123-30

A rapid and sensitive non-competitive avidin-biotin assay for lactoferrin. Vilja P, et al. **J Immunol Methods** 1985 Jan 21;76(1):73-83

Crystallization of hen egg-white avidin in a tetragonal form. Gatti G, et al. **J Mol Biol** 1984 Sep 25;178(3):787-9

Separation of complementary strands of plasmid DNA using the biotin-avidin system and its application to heteroduplex formation and RNA/DNA hybridizations in electron microscopy. Delius H, et al. **Nucleic Acids Res** 1985 Aug 12;13(15):5457-69

[A new affinity sorbent for the purification of lectins and its use in the purification of wheat germ agglutinin] Lutsik MD. **Ukr Biokhim Zh** 1984 Jul-Aug;56(4):432-6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Relation between components of the immune response in rats sensitized by aerosol and subcutaneous injections. Ahlstedt S, et al. **Int Arch Allergy Appl Immunol** 1985;76(1):52-7

ADVERSE EFFECTS

The effect of immediate-type gastrointestinal allergic reactions on brush border enzymes and gut morphology in the rat. Freier S, et al. **Pediatr Res** 1985 May;19(5):456-9

[Possible mechanisms of the asthmogenic effect of egg white in patients with bronchial asthma] Sotnikova NS, et al. **Klin Med (Mosk)** 1985 Jun;63(6):80-3 (Eng. Abstr.) **(Rus)**

[Immune response and the monooxygenase system activity in guinea pigs after peroral sensitization with various food antigens] Gmoshinskiĭ IV, et al. **Vopr Pitan** 1984 Jul-Aug; (4):40-1 **(Rus)**

ANALOGS & DERIVATIVES

Nonspecific staining of mast cells by avidin-biotin-peroxidase technic [letter] Pittman DL. **Am J Clin Pathol** 1985 Jan; 83(1):134

Immunodetection with streptavidin-acid phosphatase complex on Western blots. Brower MS, et al. **Anal Biochem** 1985 Jun;147(2):382-6

Sensitive bioaffinity sensor with metastable molecular

complex receptor and enzyme amplifier. Ikariyama Y, et al. **Anal Chem** 1985 Feb;57(2):496–500
Receptor affinity chromatography based on the avidin–biotin interaction. Hofmann K, et al. **Ann NY Acad Sci** 1985; 447:359–72
Receptor affinity chromatography. Kohanski RA, et al. **Ann NY Acad Sci** 1985;447:373–85
Vernal conjunctivitis. Model studies in guinea pigs immunized topically with fluoresceinyl ovalbumin. Khatami M, et al. **Arch Ophthalmol** 1984 Nov; 102(11):1683–8
Application of the avidin–biotin–peroxidase complex method to the light microscopic localization of the IgA in the tracheal mucosa and the thoracic lymph nodes of the rat. Santoni JP, et al. **Bull Eur Physiopathol Respir** 1985 Mar–Apr;21(2):191–2
A comparison of two immunoperoxidase staining methods based on the avidin–biotin interaction. Giorno R. **Diagn Immunol** 1984;2(3):161–6
Immunoelectron microscopical demonstration of endogenous avidin in secretory granules of the hen oviduct mucosa: a preliminary study. Kami K, et al. **Histochem J** 1984 Aug; 16(8):835–42
An alkaline–phosphatase staining method in avidin–biotin immunohistochemistry. Ormanns W, et al. **Histochemistry** 1985;82(5):421–4
Binding of a curarimimetic toxin from cobra venom to the nicotinic acetylcholine receptor. Interactions of six biotinyltoxin derivatives with receptor and avidin. Lobel P, et al. **J Biol Chem** 1985 Sep 5;260(19):10605–12
The use of the biotinyl estradiol–avidin system for the purification of 'nontransformed' estrogen receptor by biohormonal affinity chromatography. Redeuilh G, et al. **J Biol Chem** 1985 Apr 10;260(7):3996–4002
Regarding 'A comparison between a modified avidin–biotin–immunoperoxidase system and flow cytometry' [letter] Banerjee D. **J Histochem Cytochem** 1984 Nov;32(11):1243–4
Immunogenicity of biotinylated hapten–avidin complexes. Scott D, et al. **Mol Immunol** 1984 Nov;21(11):1055–60
Induction and down–regulation of conjunctival type–I hypersensitivity reactions in guinea pigs sensitized topically with fluoresceinyl ovalbumin. Khatami M, et al. **Ophthalmic Res** 1985;17(3):139–47
Teratogenic effects of avidin–induced biotin deficiency in mice. Watanabe T, et al. **Teratology** 1984 Aug;30(1):91–4

ANALYSIS

A study on the origin of adenocarcinoma in fowls using immunohistological technique. Haritani M, et al. **Avian Dis** 1984 Oct–Dec;28(4):1130–4
Frontal affinity chromatography of ovalbumin glycoasparagines on a concanavalin A–sepharose column. A quantitative study of the binding specificity of the lectin. Ohyama Y, et al. **J Biol Chem** 1985 Jun 10;260(11):6882–7
The effect of egg aging on the proteolytic activity and thermostability of egg–white protein (short communication). Niewiarowicz A, et al. **Nahrung** 1985; 29(3):309–12

BIOSYNTHESIS

Effects of progesterone and tamoxifen on glucocorticosteroid–induced egg–white protein synthesis in the chick oviduct. Le Bouc Y, et al. **Endocrinology** 1985 Jun;116(6):2384–92
The chick oviduct in tissue culture. II. Estrogen affects ovalbumin synthesis differently than oviduct cell proliferation. Seaver SS, et al. **Exp Cell Res** 1984 Nov; 155(1):252–60
Translation and stability of ovalbumin messenger RNA injected into growing oocytes and fertilized ova of mice. Ebert KM, et al. **J Embryol Exp Morphol** 1984 Dec; 84:91–103

BLOOD

[Effect of food deprivation on the absorption of chick ovalbumin in adult guinea pigs] Mikhaĭlov LA, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):656–8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[Observation of the vocal fold tissue by means of acoustic microscopy––artifacts of ECG albumin on the acoustic image and their detection] Inoue Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep;87(9):1120–5 (Eng. Abstr.) **(Jpn)**

GENETICS

Decreased ovalbumin–gene response to oestrogen in the prenatally diethylstilboestrol–exposed chick oviduct. Teng CS, et al. **Biochem J** 1985 Jun 15;228(3):689–95
Correlation in isolated nuclei of template–engaged RNA polymerase II, ovalbumin mRNA synthesis, and estrogen receptor concentrations. Taylor RN, et al. **Biochemistry** 1985 Mar 12;24(6):1275–80
Termination of the ovalbumin gene transcription. LeMeur MA, et al. **EMBO J** 1984 Dec 1;3(12):2779–86
Chicken egg white genes: multihormonal regulation in a primary cell culture system. Sanders MM, et al. **Endocrinology** 1985 Jan;116(1):398–405
Efficient expression of cloned complementary DNAs for secretory proteins after injection into Xenopus oocytes. Krieg P, et al. **J Mol Biol** 1984 Dec 15;180(3):615–43
Segregation of mutant ovalbumins and ovalbumin–globin fusion proteins in Xenopus oocytes. Identification of an ovalbumin signal sequence. Tabe L, et al. **J Mol Biol** 1984 Dec 15;180(3):645–66
Evidence for age–dependent impairment of ovalbumin heterogeneous nuclear RNA (HnRNA) processing in hen oviduct. Schröder HC, et al. **Mech Ageing Dev** 1985 May 31;30(3):319–24

IMMUNOLOGY

Effects of kerosene on airway sensitization to egg albumin in guinea pig. Casacó A, et al. **Allergol Immunopathol (Madr)** 1985 May–Jun;13(3):235–9
Immunologic responses of calves to aerosolized antigen: humoral response to ovalbumin. Gershwin LJ, et al. **Am J Vet Res** 1984 Dec;45(12):2511–7
Immunological responses to complex salts of platinum. II. Enhanced IgE antibody responses to ovalbumin with concurrent administration of platinum salts in the rat. Murdoch RD, et al. **Clin Exp Immunol** 1984 Nov; 58(2):478–85
Suppression of IgE responses in inbred rats by repeated respiratory tract exposure to antigen: responder phenotype influences isotype specificity of induced tolerance. Sedgwick JD, et al. **Eur J Immunol** 1984 Oct;14(10):893–7
The development of IgE–suppressive immunocompetence in young animals: influence of exposure to antigen in the presence or absence of maternal immunity. Jarrett EE, et al. **Immunology** 1984 Oct;53(2):365–73
Inhibition of anaphylaxis by inactivated lymphocyte clone with radiolabelled antigen. Csaba B, et al. **Int Arch Allergy Appl Immunol** 1985;76(1):68–72
Suppression of IgE antibody response against ovalbumin by the chemical conjugate of ovalbumin with a polyaspartic acid derivative. Okada M, et al. **Int Arch Allergy Appl Immunol** 1985;76(1):79–81
In vivo effects of ovalbumin–conjugated muramyl peptides on the anti–ovalbumin IgE and IgG responses in mice. Prouvost–Danon A, et al. **Int J Immunopharmacol** 1984; 6(5):425–31
T cell tolerance studied at the level of antigenic determinants. I. Latent reactivity to lysozyme peptides that lack suppressogenic epitopes can be revealed in lysozyme–tolerant mice. Oki A, et al. **J Exp Med** 1985 May 1;161(5):897–911
Recognition and display of the predominant idiotype among members of the regulatory circuitry controlling the anti–lysozyme immune response. Araneo BA, et al. **J Immunol** 1985 Feb;134(2):1073–9
Interaction of monoclonal anti–peptide antibodies with lysozyme. Hirayama A, et al. **J Immunol** 1985 May; 134(5):3241–7
Protein–antigen specific Ia–restricted cytolytic T cells: analysis of frequency, target cell susceptibility, and mechanism of cytolysis. Tite JP, et al. **J Immunol** 1985 Jul;135(1):25–33
Adoptive transfer of small bowel intraepithelial and Peyer's patch lymphocytes from orally immunised animals: effects on the antibody response to parenteral antigen. Lyscom N, et al. **J Pediatr Gastroenterol Nutr** 1985 Apr;4(2):253–5
Immunological consequences of intestinal helminth infections. Humoral responses to ovalbumin. Price P, et al. **Parasite Immunol** 1984 Nov;6(6):499–508
Hypersensitivity to dietary components in young farm animals: immunisation of calves for IgE antibody responses. Barratt ME, et al. **Res Vet Sci** 1985 Jul;39(1):62–5
[Effect of cholino– and adrenomimetic substances on B–lymphocyte proliferation in mice during a primary immune response to a protein antigen] Ado AD, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):46–8 (Eng. Abstr.) **(Rus)**
[Immunoprecipitation, with an antiserum to ovalbumin, of protein NP from influenza A virus and of glycoprotein C from the herpes simplex type I virus] Filatov FP, et al. **Vopr Virusol** 1985 Jan–Feb;30(1):80–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Transport of [125I] IgG and [125I] ovalbumin between lymphocyte–like and macrophage–like rat spleen cells: chromatin binding. Rakowicz–Szulczyńska EM, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(6):665–9
Artificial electron transport mediated by trinitrophenyl groups introduced into protein molecules by means of chemical modification. Sakihama N, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):371–5
Ovalbumin is an elastase substrate. Wright HT. **J Biol Chem** 1984 Dec 10;259(23):14335–6
Enhanced vesicular ingestion of nonenzymatically glucosylated proteins by capillary endothelium. Williams SK, et al. **Microvasc Res** 1984 Nov;28(3):311–21
Food proteins and gut mucosal barrier. III. The influence of lactation and prolactin on the in vitro binding and uptake of bovine serum albumin and ovalbumin in the rat jejunum. Stern M, et al. **Pediatr Res** 1985 Mar;19(3):320–4
[Effect of trypsin inhibitor on proteolysis of dietary proteins in experiments in vivo] Sadykova RE. **Vopr Pitan** 1984 Jul–Aug;(4):65–6 **(Rus)**

PHARMACODYNAMICS

Effect of proteins on reovirus adsorption to clay minerals. Lipson SM, et al. **Appl Environ Microbiol** 1984 Sep; 48(3):525–30
Pharmacological modulation of responses of guinea–pig airways contracted with antigen and calcium ionophore A23187. Burka JF. **Br J Pharmacol** 1985 Jun;85(2):411–20
[Inhibitory effect of chicken egg albumin on the oxidation of L–ascorbic acid] Nowicka G, et al. **Acta Pol Pharm** 1984;41(3):391–6 (Eng. Abstr.) **(Pol)**

OVALOCYTOSIS, HEREDITARY see **ELLIPTOCYTOSIS, HEREDITARY**

OVARIAN CYCLE see **MENSTRUAL CYCLE**

OVARIAN CYSTS

Atrioventricular node 'mesothelioma' with multicystic ovaries. Report of a case in a nine–year–old girl. Duray PH, et al. **Minn Med** 1984 Oct;67(10):549–51, 558
Spontaneous regression of large theca lutein cysts in a twin pregnancy. A case report. Lindow SW, et al. **S Afr Med J** 1985 Feb 2;67(5):185–6

ANALYSIS

Carbon nuclear magnetic resonance spectra of oligosaccharides isolated from human milk and ovarian cyst mucin. Bush CA, et al. **Anal Biochem** 1985 Feb 15; 145(1):124–36
The combination of normal–phase and reverse–phase high–pressure liquid chromatography with NMR for the isolation and characterization of oligosaccharide alditols from ovarian cyst mucins. Dua VK, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):29–40

BLOOD

[Blood groups and benign tumors of the uterus and ovaries in women] Israfilbeĭli SG, et al. **Akush Ginekol (Mosk)** 1985 Feb;(2):54–5 **(Rus)**

CHEMICALLY INDUCED

Ovarian hyperstimulation due to long–term pulsatile intravenous GnRH treatment. Geisthövel F, et al. **Arch Gynecol** 1985;236(4):255–9
Ovarian hyperstimulation syndrome with clomiphene citrate. Case report. Chow KK, et al. **Br J Obstet Gynaecol** 1984 Oct;91(10):1051–2
[Estroprogestational minipills: breast diseases and functional cysts of the ovary. Apropos of 87 cases] Vincens M, et al. **Therapie** 1985 May–Jun;40(3):177–80 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Precocious pseudopuberty and ovarian follicular cysts [letter] Stanhope R, et al. **Am J Dis Child** 1985 Mar;139(3):222
Lobulated polycystic ovary with huge parovarian cyst. Kim DS, et al. **Asia Oceania J Obstet Gynaecol** 1985 Mar; 11(1):75–9
Urinary retention due to ovarian cyst. Kingsnorth AN. **Br J Urol** 1984 Aug;56(4):439–40
Primary ovarian pregnancy: report of a case. Spinapolice RX, et al. **J Am Osteopath Assoc** 1984 Oct;84(2):198–9
Use of human urinary follicle–stimulating hormone in infertile women with polycystic ovaries. Flamigni C, et al. **J Reprod Med** 1985 Mar;30(3):184–8
Aortocaval compression secondary to an ovarian cyst. Milligan KR, et al. **Ulster Med J** 1984;53(2):164–5
[Hemorrhage of a corpus luteum cyst following gynecologic examination] Iversen E, et al. **Ugeskr Laeger** 1984 Jul 30; 146(31):2317–8 (Eng. Abstr.) **(Dan)**
[Pseudo precocious puberty in the McCune–Albright syndrome] Bost M, et al. **Pediatrie** 1985 Jan–Feb; 40(1):55–60 (Eng. Abstr.) **(Fre)**
[Isosexual precocious puberty caused by a bilateral follicular cyst] Ruiz Alvarez F, et al. **Ginecol Obstet Mex** 1985 Apr; 53(336):79–82 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Neonatal ovarian cysts. Apropos of 4 cases] Vaillant F, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(6):663–9 (Eng. Abstr.) **(Fre)**
[Prenatal ultrasonographic diagnosis of ovarian cysts and their frequency in newborn infants] Kühl G, et al. **Z Kinderchir** 1984 Oct;39(5):344–6 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Magnetic resonance imaging of the pelvis: evaluation of ovarian masses at 0.15 T. Hamlin DJ, et al. **AJR** 1985 Sep; 145(3):585–90
Splenic torsion presenting as a twisted hemorrhagic ovarian cyst. Pundaleeka SK, et al. **Ann Emerg Med** 1985 Jan; 14(1):64–6
The sonographic appearance of the hemorrhagic ovarian cyst in adolescents. Bass IS, et al. **J Ultrasound Med** 1984 Nov; 3(11):509–13
Prenatal diagnosis of septated ovarian cysts. Sandler MA, et al. **JCU** 1985 Jan;13(1):55–7
Neonatal ovarian cyst diagnosed antenatally: report of two

patients. Suita S, et al. **JCU** 1984 Oct;12(8):517-9

Prenatal diagnosis and perinatal management of a fetal ovarian cyst. Holzgreve W, et al. **Prenat Diagn** 1985 Mar-Apr;5(2):155-8

Antenatal detection of a fetal ovarian cyst by real-time ultrasound. A case report. O'Hagan DB, et al. **S Afr Med J** 1985 Mar 23;67(12):471-3

[Rupture of an ovarian cyst during the puerperium—its diagnosis and management] Katsulov A, et al. **Akush Ginekol (Sofiia)** 1985;24(2):77-9 (Eng. Abstr.) **(Bul)**

[Prenatal ultrasonographic diagnosis of a cystic ovarian tumor] Boos R, et al. **Geburtshilfe Fraunheilkd** 1984 Aug; 44(8):521-4 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Primary hypothyroidism associated with pituitary enlargement, slipped capital femoral epiphysis and cystic ovaries. Nishi Y, et al. **Eur J Pediatr** 1985 Jan;143(3):216-9

Nonimmunologic fetal hydrops associated with hyperreactio luteinalis. Hatjis CG. **Obstet Gynecol** 1985 Mar;65(3 Suppl):11S-13S

METABOLISM

Oncofetal antigens in ovarian cyst fluids. Kraly DH, et al. **Gynecol Obstet Invest** 1984;18(3):117-21

[LH and FSH secretion in bovine anterior pituitary cell cultures depending on the estrous cycle, in pregnant cows and cows with ovarian cysts] Braun U. **Schweiz Arch Tierheilkd** 1985 Jun;127(6):353-68 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Patterns of ovarian cyst hospital discharge rates in England and Wales, 1962-79. Westhoff CL, et al. **Br Med J [Clin Res]** 1984 Nov 17;289(6455):1348-9

PATHOLOGY

Unique finding of prostatic tissue in a benign cystic ovarian teratoma. Brumback RA, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):675-7

Functional cyst or ovarian cancer: histopathological findings during 1 year of surgery. Eriksson L, et al. **Gynecol Obstet Invest** 1985;19(3):155-9

Sonographic appearances of the wall of ovarian dermoid cysts. Nicolet V, et al. **J Can Assoc Radiol** 1984 Dec; 35(4):375-7

Clinicopathologic investigation of ovarian endometriosis: a comparative study of cystic and non-cystic types. Tsukahara Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 May;37(5):751-7

Rectal serosal hematoma: an unusual complication of culdocentesis. Anasti J, et al. **Obstet Gynecol** 1985 Mar;65(3 Suppl):72S-73S

[Giant cyst of the ovary. Report of a case] Lastra Lastra A, et al. **Ginecol Obstet Mex** 1983 Dec;51(320):335-7 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Postmenopausal ovarian follicle cyst: an unusual cause of estrogen excess. Strickler RC, et al. **Int J Gynecol Pathol** 1984;3(3):318-22

RADIOGRAPHY

Intra-abdominal ovarian pathology: a potential pitfall in CT diagnoses. Brodey PA, et al. **Comput Radiol** 1985 Jan-Feb; 9(1):57-9

Computed tomography of benign ovarian masses. Sawyer RW, et al. **J Comput Assist Tomogr** 1985 Jul-Aug; 9(4):784-9

RADIONUCLIDE IMAGING

False-positive Meckel's scan in a case of infected ovarian cyst. Wise PA, et al. **Eur J Nucl Med** 1985;10(9-10):462-3

SECRETION

Prolactin pulsatility in polycystic ovarian disease. Laatikainen T, et al. **J Endocrinol Invest** 1985 Apr;8(2):157-61

Ovarian hyperstimulation syndrome in preterm infants. Sedin G, et al. **Pediatr Res** 1985 Jun;19(6):548-52

[Detection of secretory immunoglobulin A (S-IgA) and secretory component (SC) in cystic fluids from ovarian tumors and ovarian cysts] Briese V, et al. **Arch Geschwulstforsch** 1985;55(3):197-202 (Eng. Abstr.) **(Ger)**

SURGERY

Use of the Deaver retractor for exteriorization of ovarian cysts at laparotomy. Menczer J. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):885-6

Ovarian cysts and tumours in infancy and childhood. Shawis RN, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):17-9

Urodynamic changes following removal of a large ovarian cyst. Ormiston MC, et al. **Br J Urol** 1985 Apr;57(2):242-3

Percutaneous ovarian cyst aspiration using continuous transvaginal ultrasonographic monitoring. Schwimer SR, et al. **J Ultrasound Med** 1985 May;4(5):259-60

Cystic ovaries in a pre-term newborn infant. Bergqvist C, et al. **Z Kinderchir** 1984 Dec;39(6):403-4

[Laparoscopic extirpation of ovarian cysts] Di Gregorio A, et al. **Minerva Ginecol** 1985 Mar;37(3):113-6 (Eng. Abstr.) **(Ita)**

[Use of acupuncture analgesia in obstetrical and gynecological operations] Eremin VS, et al. **Akush Ginekol (Mosk)** 1984 Aug;(8):40-2 (Eng. Abstr.) **(Rus)**

[Surgical procedures and multiple sclerosis—case report] Hauk J, et al. **Med Pregl** 1984;37(11-12):541-2 (Eng. Abstr.) **(Scr)**

VETERINARY

Plasma gonadotrophin levels in sows with experimental cystic ovarian follicles. Peter AT, et al. **Br Vet J** 1985 May-Jun;141(3):288-96

The incidence of cystic ovaries in dairy cattle housed in a total confinement system. Hackett AJ, et al. **Can J Comp Med** 1985 Jan;49(1):55-7

Effect of supplemental beta-carotene on incidence and responsiveness of ovarian cysts to hormone treatment. Marcek JM, et al. **J Dairy Sci** 1985 Jan;68(1):71-7

Treatment of ovarian cyst in swine by intramuscular injection with luteinizing hormone-releasing hormone analogue. Ogasa A, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Winter;23(4):150-7

Ovarian cysts in dairy cattle—observations of symptoms and milk progesterone values; therapy with GnRH and a combination of GnRH and PG. Koppinen J, et al. **Nord Vet Med** 1984 Nov-Dec;36(11):361-6

Performance and progesterone and oestradiol-17 beta concentrations in fat-free milk of a cow with a cystic ovarian follicle. Roy JH, et al. **Vet Rec** 1985 Apr 6; 116(14):370-1

[A case of cystic ovarian follicles in the cat] van der Kolk FR. **Tijdschr Diergeneeskd** 1985 Feb 1;110(3):98 **(Dut)**

[Ovarian hematoma and hemorrhage in a cow due to the manual rupture of cysts] Zaremba W, et al. **Tierarztl Prax** 1985;13(1):29-32 (Eng. Abstr.) **(Ger)**

[Comparative lipid histochemical studies of lutein tissue in follicular lutein cysts and periodic corpora lutea of cattle] Boos A, et al. **Zentralbl Veterinarmed [A]** 1984 Dec; 31(10):763-75 (Eng. Abstr.) **(Ger)**

[Place of follicle-lutein cysts in the estrus cycle of cows: histological, cytological and hormone analysis studies] Gasse H, et al. **Zentralbl Veterinarmed [A]** 1984 Aug; 31(7):548-56 (Eng. Abstr.) **(Ger)**

[The biochemistry of corpora lutea periodica, follicular lutein cysts, adrenal cortex and hypophyses in cattle] Harisch G, et al. **Zentralbl Veterinarmed [A]** 1985 May;32(5):381-90 (Eng. Abstr.) **(Ger)**

OVARIAN DISEASES

Massive ovarian oedema (a case report). Ramalaxmi PV, et al. **Indian J Pathol Microbiol** 1984 Apr;27(2):75-9

Bilateral massive ovarian edema. A case report. VanWingen T, et al. **J Reprod Med** 1984 Dec;29(12):875-7

Ovarian abscess. Report of a case and a review of the literature. Wetchler SJ, et al. **Obstet Gynecol Surv** 1985 Jul;40(7):476-85

BLOOD

Platelet activation in patients with benign and malignant ovarian diseases. Landolfi R, et al. **Tumori** 1984 Oct 31; 70(5):459-62

[Hyperprolactinemic ovarian insufficiency] Rjosk HK, et al. **Wien Med Wochenschr** 1984 Sep 15;134(17):388-92 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Pregnancy after chemotherapy induced ovarian failure. Shalet SM, et al. **Br Med J [Clin Res]** 1985 Mar 23; 290(6472):898

Ovarian hyperstimulation syndrome. A case report. Moodley TR, et al. **S Afr Med J** 1985 Aug 31;68(5):336-7

[Effect of hydrazine on the reproductive function of animals exposed to it in different ways] Dymin VV, et al. **Gig Sanit** 1984 Sep;(9):25-8 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Ovarian adhesions impair ovulation. Devroey P, et al. **Acta Eur Fertil** 1985 May-Jun;16(3):183-6

Tuboovarian autoamputation and infertility. Beyth Y, et al. **Fertil Steril** 1984 Dec;42(6):932-4

Virilization during pregnancy due to bilateral hyperthecosis. A case report. Erkkola R, et al. **Horm Res** 1985;21(2):83-7

[Clinico-morphological substantiation of appendectomy in patients with ovarian apoplexy] Shkira VN. **Klin Khir** 1985 Apr;(4):34-5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Torsion of the ovary: sonographic features. Graif M, et al. **AJR** 1984 Dec;143(6):1331-4

A case of a postmenopausal ruptured pyosalpinx. A rare finding at laparotomy for an acute abdomen. Horenblas S, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jul; 17(5):351-4

Reactivation blastomycosis presenting as a tuboovarian abscess. Murray JJ, et al. **Obstet Gynecol** 1984 Dec; 64(6):828-30

Pituitary and ovarian abnormalities demonstrated by CT and ultrasound in children with features of the McCune-Albright syndrome. Rieth KG, et al. **Radiology** 1984 Nov;153(2):389-93

Ultrasound imaging in massive ovarian edema: case report. Fitzer PM. **Va Med** 1984 Nov;111(11):700-1

[Massive edema of the ovary: apropos of a case] Chelli H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(2):195-9 (Eng. Abstr.) **(Fre)**

[Echography of the corpus luteum] Lemaire P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(2):187-93 (Eng. Abstr.) **(Fre)**

[Experience in primary ovarian failure] Venegas Canelo E, et al. **Rev Chil Obstet Ginecol** 1984;49(1):1-14 (Eng. Abstr.) **(Spa)**

[Massive edema of the ovary. Report of a case] Díaz Suárez R, et al. **Rev Med Panama** 1985 May;10(2):103-7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pregnancy in a patient with gonadotropin-resistant ovary syndrome. Amos WL Jr. **Am J Obstet Gynecol** 1985 Sep 15;153(2):154-5

Case report. Successive pregnancies in a patient with premature ovarian failure. Nakai M, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Nov;18(4):217-24

Refractoriness to gonadotropin therapy: how to distinguish ovarian failure versus pseudoovarian resistance caused by neutralizing antibodies. Platia MP, et al. **Fertil Steril** 1984 Nov;42(5):779-84

Absence of teratogenicity of indomethacin in ovarian hyperstimulation syndrome. Katz Z, et al. **Int J Fertil** 1984; 29(3):186-8

[Gonadotropin stimulation during LH/RH analog-induced inhibition of pituitary function] Bettendorf G, et al. **Geburtshilfe Frauenheilkd** 1985 Jul;45(7):431-7 (Eng. Abstr.) **(Ger)**

[Gonadotropin treatment in ovarian insufficiency, stimulation of follicle maturation with human urinary FSH] Braendle W, et al. **Geburtshilfe Frauenheilkd** 1985 Jul;45(7):438-48 (Eng. Abstr.) **(Ger)**

[A clinical study of the treatment of sterility in hyperandrogenic ovarian insufficiency] Westhof G, et al. **Geburtshilfe Frauenheilkd** 1985 Jul;45(7):449-58 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Severe ovarian hyperstimulation following follicular aspiration. Friedman CI, et al. **Am J Obstet Gynecol** 1984 Oct 15;150(4):436-7

Premature ovarian failure: its relationship to autoimmune disease. Alper MM, et al. **Obstet Gynecol** 1985 Jul; 66(1):27-30

Nongonococcal pelvic abscess caused by Salmonella enteritidis. Saltzman DH, et al. **Obstet Gynecol** 1984 Oct; 64(4):585-6

[Ovarian insufficiency in congenital galactosemia] Beauvais P, et al. **Presse Med** 1984 Dec 8;13(44):2685-7 (Eng. Abstr.) **(Fre)**

[Ovarian abscess as a sequela of necrotizing appendicitis] Horntrich J. **Zentralbl Chir** 1984;109(23):1515-7 **(Ger)**

[Intrauterine contraceptive devices and ovarian actinomycosis] Grassini M, et al. **Minerva Ginecol** 1985 Mar;37(3):109-11 (Eng. Abstr.) **(Ita)**

[Ovarian abscess of typhic origin. Report of 2 clinical cases] Millán R, et al. **Rev Chil Obstet Ginecol** 1984;49(2):88-91 **(Spa)**

FAMILIAL & GENETIC

Familial premature ovarian failure. Mattison DR, et al. **Am J Hum Genet** 1984 Nov;36(6):1341-8

IMMUNOLOGY

Immunologic parameters in premature follicular depletion: T and B lymphocytes, T-cell subpopulations, cutaneous reactivity, and serum immunoglobulin concentrations. Friedman CI, et al. **Diagn Immunol** 1984;2(1):48-52

Endocrine and immunologic studies in a patient with resistant ovary syndrome. Talbert LM, et al. **Fertil Steril** 1984 Nov; 42(5):741-4

MICROBIOLOGY

[Actinomycotic tubo-ovarian abscess in the presence of an intrauterine device] Lunow E, et al. **Zentralbl Gynakol** 1984;106(18):1281-7 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Fibromatosis and massive edema of the ovary, possibly related entities: a report of 14 cases of fibromatosis and 11 cases of massive edema. Young RH, et al. **Int J Gynecol Pathol** 1984;3(2):153-78

Prolonged vaginal cornification and other changes in mice treated neonatally with coumestrol, a plant estrogen. Burroughs CD, et al. **J Toxicol Environ Health** 1985; 15(1):51-61

Massive oedema of the ovary. Case reports. Tiltman AJ, et al. **S Afr Med J** 1984 Dec 15;66(24):924-6

[Primary ovarian actinomycosis] Rozenberg VD. **Arkh Patol** 1985;47(3):56-7 (Eng. Abstr.) **(Rus)**

[Hydatid cyst of the ovary, apropos of a clinical case] Sánchez J, et al. **Rev Chil Obstet Ginecol** 1982;47(4):229–35 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Resistant ovary syndrome and fertility. Tolino A, et al. **Acta Eur Fertil** 1984 May–Jun;15(3):175–7

Disorders of gonadal function. Nanji AA. **Clin Lab Med** 1984 Dec;4(4):717–28 (47 ref.)

[Correlation of prolactin-secreting-capacity to circadian profile of prolactin in euprolactinemic women with ovulatory disturbances] Mori H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb;37(2):287–92 (Eng. Abstr.) **(Jpn)**

[Morphofunctional changes in the mucosa of the cervical canal in patients with disordered ovarian function] Ezhova LS, et al. **Akush Ginekol (Mosk)** 1985 Mar;(3):69–72 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Tuboovarian abscess simulating giant colonic diverticulum. Telepak RJ, et al. **Gastrointest Radiol** 1984;9(4):369–71

SURGERY

Reconstructive pelvic operations for in vitro fertilization. Garcia JE, et al. **Am J Obstet Gynecol** 1985 Sep 15; 153(2):172–8

Evaluation of adhesion reformation by early second-look laparoscopy following microlaser ovarian wedge resection. McLaughlin DS. **Fertil Steril** 1984 Oct;42(4):531–7

[Laparoscopic salpingolysis and ovariolysis in the treatment of female sterility] Di Gregorio A, et al. **Minerva Ginecol** 1985 May;37(5):235–8 (Eng. Abstr.) **(Ita)**

[Diagnosis and treatment of the tubo-ovarian abscess] Mayerson D, et al. **Rev Chil Obstet Ginecol** 1982; 47(4):242–9 (Eng. Abstr.) **(Spa)**

THERAPY

Current trends in the diagnosis and treatment of tuboovarian abscess. Landers DV, et al. **Am J Obstet Gynecol** 1985 Apr 15;151(8):1098–110

Laparoscopic treatment of tuboovarian abscesses. Henry-Suchet J, et al. **J Reprod Med** 1984 Aug; 29(8):579–82

[Ovarian hyperstimulation: treatment of voluminous cysts by percelioscopic puncture] Jahier J, et al. **Rev Fr Gynecol Obstet** 1985 Feb;80(2):109–11 (Eng. Abstr.) **(Fre)**

VETERINARY

[Ovarian hematoma and hemorrhage in a cow due to the manual rupture of cysts] Zaremba W, et al. **Tierarztl Prax** 1985;13(1):29–32 (Eng. Abstr.) **(Ger)**

OVARIAN INTERSTITIAL CELLS see **THECA CELLS**

OVARIAN NEOPLASMS

Ovarian cancer. Boyd ME. **Can J Surg** 1985 Mar;28(2):114–6, 118

A metastatic ovarian tumor involving the dura: seen on myelography and CT. Newmark H 3d, et al. **Comput Radiol** 1985 Jan–Feb;9(1):21–3

Pulmonary metastases and ovarian cancer. Kerr V. **Conn Med** 1984 Dec;48(12):770–6

Teratoma of the ovary in a three month old baby. van Hoyweghen M. **East Afr Med J** 1985 Mar;62(3):221–3

Sister Joseph's nodule: seven cases of umbilical metastases from gynecologic malignancies. Brustman L, et al. **Gynecol Oncol** 1984 Oct;19(2):155–62

Carcinoma of ovary. Roy D. **J Indian Med Assoc** 1984 Jun; 82(6):216–8

Comparison between ultrasound and histopathological evaluation in ovarian cancer patients with complete clinical remission. Sonnendecker EW, et al. **JCU** 1985 Jan;13(1):5–9

What a physician should know about ovarian cancer. Villasanta U. **Md Med J** 1985 Jul;34(7):693–6

Prior tuberculosis in long-term survivors of breast and ovarian cancer from a New York oncology practice (1954–1974). Greenspan EM. **Mt Sinai J Med (NY)** 1985 Jun;52(6):465–8

Common epithelial cancer of the ovary (2). Richardson GS, et al. **N Engl J Med** 1985 Feb 14;312(7):415–24 (108 ref.)

Coexistence of ovarian neoplasms and endocervical adenocarcinoma. Kaminski PF, et al. **Obstet Gynecol** 1984 Oct;64(4):553–6

Bilateral ovarian hemangiomas associated with diffuse abdominopelvic hemangiomatosis. Lawhead RA, et al. **Obstet Gynecol** 1985 Apr;65(4):597–9

[Clinical research of malignant ovarian tumors: current status and prospects] Lian LJ. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):65–7 **(Chi)**

[Complete remission of recurrent ovarian dysgerminoma obtained by combined chemotherapy with cisplatin, adriamycin and cyclophosphamide] Yokota H, et al. **Gan To Kagaku Ryoho** 1985 Jan;12(1):151–4 (Eng. Abstr.) **(Jpn)**

[A large ovarian tumor in a 10-year-old girl] Murgaš I. **Cesk Gynekol** 1984 Aug;49(7):501–4 **(Slo)**

ANALYSIS

Estradiol and progesterone receptors in normal ovary and ovarian tumors. Lantta M. **Acta Obstet Gynecol Scand** 1984; 63(6):497–503

Estradiol and progesterone receptors in gynecologic sarcomas. Lantta M, et al. **Acta Obstet Gynecol Scand** 1984; 63(6):505–8

Predictive value of CA 125 antigen levels in second-look procedures for ovarian cancer. Niloff JM, et al. **Am J Obstet Gynecol** 1985 Apr 1;151(7):981–6

Large glucagon-like immunoreactivity in a primary ovarian carcinoid. Sakura H, et al. **Cancer** 1985 Mar 1;55(5):1001–6

Association of a 97 kilodalton glycoprotein with human ovarian carcinoma. Rao GS, et al. **Cancer Lett** 1985 Apr; 26(3):327–34

Prognostic relevance of ploidy, proliferation, and resistance-predictive tests in ovarian carcinoma. Volm M, et al. **Cancer Res** 1985 Oct;45(10):5180–5

Further purification and characterization of acid-stable protease inhibitor from ascites of an ovarian carcinoma patient. Akazawa K, et al. **Clin Chim Acta** 1984 Sep 15; 142(1):47–60

Oncofetal antigens in ovarian cyst fluids. Kraly DH, et al. **Gynecol Obstet Invest** 1984;18(3):117–21

Cyclical variations in ovarian neoplastic mucins. Nirmala V, et al. **Indian J Med Res** 1984 May;79:641–6

Pregnancy-associated beta 1-macroglobulin: detection on the surface of ovarian cancer cell lines. Stimson WH, et al. **Int J Cancer** 1985 Feb 15;35(2):185–7

Rat yolk-sac antigen-2 defined by monoclonal antibodies. Van Hove L, et al. **Int J Cancer** 1985 Feb 15;35(2):237–44

Embryonal lactosaminoglycan. The structure of branched lactosaminoglycans with novel disialosyl (sialyl alpha 2——9 sialyl) terminals isolated from PA1 human embryonal carcinoma cells. Fukuda MN, et al. **J Biol Chem** 1985 Jun 10;260(11):6623–31

Detection of P-glycoprotein in ovarian cancer: a molecular marker associated with multidrug resistance. Bell DR, et al. **J Clin Oncol** 1985 Mar;3(3):311–5

Biochemical characterization of endogenous carbohydrate-binding proteins from spontaneous murine rhabdomyosarcoma, mammary adenocarcinoma, and ovarian teratoma. Gabius HJ, et al. **JNCI** 1984 Dec; 73(6):1349–57

Immunocytochemical identification of estrogen receptor in ovarian carcinomas. Localization with monoclonal estrophilin antibodies compared with biochemical assays. Press MF, et al. **Lab Invest** 1985 Sep;53(3):349–61

Immunosuppressive high molecular glycoproteins in ovarian cancer ascites fluids. Saji F, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):1021–2

Histopathologic correlations of estrogen and progestin receptor protein in epithelial ovarian carcinomas. Schwartz PE, et al. **Obstet Gynecol** 1985 Sep;66(3):428–33

Structure of the sugar chain of alphafetoprotein purified from a human yolk sac tumor and its reactivity with concanavalin A. Tsuchida Y, et al. **Tumour Biol** 1984; 5(1):33–40

[Histochemical observation on ovarian mucinous tumors] Zhong CQ. **Chung Hua Chung Liu Tsa Chih** 1984 Nov; 6(6):417–9 (Eng. Abstr.) **(Chi)**

[Serum AFP subfractions in patients with hepatic cancer or germ cell tumor of the gonads] Ishiguro T, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):611–5 (Eng. Abstr.) **(Jpn)**

[Ovarian tumor and steroid hormone receptors] Nishimura H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Apr; 37(4):665–8 **(Jpn)**

[Separation of natural ribonucleoside triphosphates and their determination in an acid-soluble cell fraction by anion exchange high performance liquid chromatography] Korbukh IA, et al. **Bioorg Khim** 1983 Dec;9(12):1644–9 (Eng. Abstr.) **(Rus)**

[Cytoplasmatic receptors of steroid hormones in malignant epithelial ovarian tumors] Makhova EE, et al. **Vopr Onkol** 1984;30(12):36–40 (Eng. Abstr.) **(Rus)**

BLOOD

Serum levels of dehydroepiandrosterone sulphate and total estrone in postmenopausal women with special regard to 'non-endocrine' ovarian carcinoma. Carlström K, et al. **Acta Obstet Gynecol Scand** 1985;64(3):267–8

Immature teratoma of the ovary. Correlation between serum alpha-fetoprotein value and immunohistochemical analysis. Ikarashi T. **Asia Oceania J Obstet Gynaecol** 1984 Dec; 10(4):523–30

Hyperamylasemia with papillary serous cystadenocarcinoma of the ovary. Hayakawa T, et al. **Cancer** 1984 Oct 15; 54(8):1662–5

Serum copper level in ovarian carcinoma. Margalioth EJ, et al. **Cancer** 1985 Aug 15;56(4):856–9

Pharmacokinetics of teniposide in patients with ovarian cancer. D'Incalci M, et al. **Cancer Treat Rep** 1985 Jan; 69(1):73–7

Ovarian and adrenal vein steroids in seven patients with androgen-secreting ovarian neoplasms: selective catheterization findings. Moltz L, et al. **Fertil Steril** 1984 Oct;42(4):585–93

Pure dysgerminoma of the ovary with elevated serum human chorionic gonadotropin: diagnostic and therapeutic considerations. Kapp DS, et al. **Gynecol Oncol** 1985 Feb; 20(2):234–44

Platelet activation in patients with benign and malignant ovarian diseases. Landolfi R, et al. **Tumori** 1984 Oct 31; 70(5):459–62

[A case of Krukenberg tumor associated with elevation in blood testosterone] Ike K, et al. **Hokkaido Igaku Zasshi** 1985 May;60(3):440–4 (Eng. Abstr.) **(Jpn)**

[The diagnostic significance of pancreatic secretory trypsin inhibitor (PSTI) in patients with gynecologic tumors] Inoue M, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Dec 20; 19(10):2225–9 (Eng. Abstr.) **(Jpn)**

[Endocrine profile and electron microscopic study of ovarian androblastoma] Inoue S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Aug; 36(8):1155–62 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Chemical induction of ovarian tumors in rats. Tunca JC, et al. **Gynecol Oncol** 1985 May;21(1):54–64

Intrasplenic grafting of 7,12-dimethylbenz (a) anthracene-treated ovarian piece. Nishida T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jan;37(1):137–40

CLASSIFICATION

Primary nonepithelial cancers of the ovary. Cavanagh D, et al. **Obstet Gynecol Annu** 1985;14:344–81 (93 ref.)

COMPLICATIONS

Maternal virilization in pregnancy due to an unclassified sex-cord stromal neoplasm. Quagliarello J, et al. **Am J Obstet Gynecol** 1985 Jul 1;152(5):570–2

Shoulder-hand syndrome in patients with ovarian carcinoma [letter] McGill PE, et al. **Ann Rheum Dis** 1985 Jan;44(1):72

Mixed ovarian germ cell tumor in 46,X, +mar Turner's syndrome: a case report. Sekiya S, et al. **Asia Oceania J Obstet Gynaecol** 1984 Sep;10(3):311–6

Zollinger-Ellison syndrome due to a gastrin secreting ovarian mucinous cystadenoma. Case report. Morgan DR, et al. **Br J Obstet Gynaecol** 1985 Aug;92(8):867–9

Hilus cell tumour of the ovary with an associated endometrial carcinoma, presenting with male pattern baldness and postmenopausal bleeding. Case report. Ross LD. **Br J Obstet Gynaecol** 1984 Dec;91(12):1266–8

Liver metastasis from embryonal carcinoma of the ovary with complete situs inversus. First reported case and review of literature. Abdel-Dayem HM, et al. **Clin Nucl Med** 1984 Oct;9(10):558–60 (15 ref.)

Surgical treatment of intestinal occlusions in advanced ovarian carcinoma. Scarabelli C, et al. **Eur J Gynaecol Oncol** 1985;6(1):66–70

Co-existent chylous and serous pleural effusions associated with ovarian cancer: a case report of Contarini's syndrome. Lawton F, et al. **Eur J Surg Oncol** 1985 Jun;11(2):177–8

A case of endometrioid carcinoma of the ovary associated with pregnancy. Sommers GM, et al. **Gynecol Oncol** 1985 Jul;21(3):364–8

Spontaneous intracranial hemorrhage in a patient with ovarian carcinoma. Sulkes A, et al. **Gynecol Oncol** 1985 Feb;20(2):204–8

A patient with situs inversus totalis and embryonal carcinoma of the ovary [letter] Talerman A. **Gynecol Oncol** 1984 Nov; 19(3):371–2

Defeminizing ovarian tumor: report of a case. Slotnick EA, et al. **J Am Osteopath Assoc** 1985 Feb;85(2):88–92

Small-bowel changes secondary to intraperitoneal leakage from dermoid cyst of the ovary. Wolfe RD, et al. **Mt Sinai J Med (NY)** 1984 Jul–Aug;51(4):382–6

Peutz-Jeghers syndrome and cancer. Rodu B, et al. **Oral Surg Oral Med Oral Pathol** 1984 Nov;58(5):584–8

Ovarian carcinoma presenting as pyrexia of unknown origin. Schofield PM, et al. **Postgrad Med J** 1985 Feb; 61(712):177–8

Immature teratoma of the ovary with gliomatosis peritonei. A case report. du Toit JP, et al. **S Afr Med J** 1985 Jun 22;67(25):1017–20

XY gonadal dysgenesis with gonadoblastoma and dysgerminoma. Nagamani M, et al. **South Med J** 1984 Sep; 77(9):1205–7

Peritoneovenous shunting for cirrhotic versus malignant ascites. Kostroff KM, et al. **Surg Gynecol Obstet** 1985 Sep; 161(3):204–8

Urinary retention secondary to ovarian dysgerminoma in a girl. Nishimoto N, et al. **Urology** 1985 Jul;26(1):71–3

Chronic myelocytic leukemia as a secondary malignant condition in a patient receiving prolonged chemotherapy for ovarian carcinoma. Markman M. **West J Med** 1985 Aug; 143(2):243

[Peritoneal gliomatosis associated with a mature teratoma of the ovary] Vital A, et al. **Ann Pathol** 1985;5(1):59–62 (Eng. Abstr.) **(Fre)**

[Bilateral gonadoblastoma in a case of Turner syndrome with 40,XO monosomy] Schütz M, et al. **Zentralbl Gynakol** 1984; 106(13):935–8 (Eng. Abstr.) **(Ger)**

[A case of autoimmune hemolytic anemia associated with ovarian dermoid cyst] Ikeda K, et al. **Rinsho Ketsueki** 1985 Feb;26(2):212–6 (Eng. Abstr.) **(Jpn)**

[A case of acute intermittent porphyria in a patient with malignant neoplasm--diagnostic difficulties and treatment] Lebiedowski K, et al. **Pol Arch Med Wewn** 1984 Sep;

72(3):123-6 (Eng. Abstr.) (Pol)

[Massive bleeding during laparoscopy from varicose changes in the minor pelvis] Fras PA. **Jugosl Ginekol Opstet** 1984 May-Aug;24(3-4):56-7 (Eng. Abstr.) (Scr)

[Precocious pseudopuberty secondary to granulosa cell tumor] Fernández F, et al. **An Esp Pediatr** 1984 Dec; 21(9):822-6 (Eng. Abstr.) (Spa)

[Stein-Leventhal syndrome and cystic teratoma] Bernal Bastidas S, et al. **Ginecol Obstet Mex** 1984 Jan;52(321):15-8 (Eng. Abstr.) (Spa)

DIAGNOSIS

Peritoneal washings in ovarian tumors. Potential sources of error in cytologic diagnosis. Covell JL, et al. **Acta Cytol (Baltimore)** 1985 May-Jun;29(3):310-6

Assessment of primary gynecologic malignancies: comparison of 0.15-T resistive MRI with CT. Bies JR, et al. **AJR** 1984 Dec;143(6):1249-57

Magnetic resonance imaging of the abnormal female pelvis. Butler H, et al. **AJR** 1984 Dec;143(6):1259-66

Magnetic resonance imaging of the pelvis: evaluation of ovarian masses at 0.15 T. Hamlin DJ, et al. **AJR** 1985 Sep; 145(3):585-90

Sonography of ovarian fibromas. Stephenson WM, et al. **AJR** 1985 Jun;144(6):1239-40

Sonographic demonstration of thecoma: report of two cases. Diakoumakis E, et al. **Am J Obstet Gynecol** 1984 Nov 15; 150(6):787-8

Serum testosterone concentrations in the evaluation of androgen-producing tumors. Friedman CI, et al. **Am J Obstet Gynecol** 1985 Sep 1;153(1):44-9

Sonographic appearance of the ovarian thecoma [letter] Woo JS, et al. **Am J Obstet Gynecol** 1985 Jun 1;152(3):361

The clinical value of tissue polypeptide antigen in patients with gynecologic tumors. Inoue M, et al. **Cancer** 1985 Jun 1;55(11):2618-23

Multi-imaging demonstration of distant metastases from ovarian carcinoma. Kirsh JC, et al. **Clin Nucl Med** 1984 Sep;9(9):533-4

Detection of ovarian cancer by the humoral leukocyte adherence inhibition test using a purified tumor-associated antigen. Kotlar HK, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):483-6

Struma ovarii presenting with ascites: a difficult diagnostic problem. Lenehan PM, et al. **Eur J Gynaecol Oncol** 1985; 6(2):89-91

Use of the CA 125 antigen in diagnosis and monitoring of ovarian carcinoma. Bast RC Jr, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Jun;19(6):354-6

Dysgerminoma of the ovary: incidental finding during cesarean section. Rabinowitz R, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Feb;19(2):105-8

Use of intermediate filament antibodies in the differential diagnosis of gynecological neoplasia. Ramaekers FC, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Jun;19(6):347-53

Immunopathologic analysis of a panel of mouse monoclonal antibodies reacting with human ovarian carcinomas and other human tumors. Cordon-Cardo C, et al. **Int J Gynecol Pathol** 1985;4(2):121-30

Bilateral ovarian cystic teratomata mimicking bilateral pure ovarian hemangiomata: case report. Feuerstein IM, et al. **Int J Gynecol Pathol** 1984;3(4):393-7

Borderline or malignant ovarian tumour? A case report of decision making with morphometry. Baak JP, et al. **J Clin Pathol** 1984 Oct;37(10):1110-3

Tumor previa: a perinatal dilemma. Unger JB, et al. **J Miss State Med Assoc** 1985 Feb;26(2):35-7

Laparoscopy in the diagnosis and management of ovarian cancer. Qu JY, et al. **J Reprod Med** 1984 Jul;29(7):483-8

Second-look laparoscopy in ovarian cancer. Xygakis AM, et al. **J Reprod Med** 1984 Aug;29(8):583-85

Substance P in the localization of a carcinoid tumor. Strodel WE, et al. **J Surg Oncol** 1984 Oct;27(2):106-11

Sonographic demonstration of rupture of a cystic teratoma during pregnancy. Schaffer RM, et al. **J Ultrasound Med** 1984 Sep;3(9):425-7

Ovarian hydatidiform mole. Switzer JM, et al. **J Ultrasound Med** 1984 Oct;3(10):471-3

The sonographic target pattern in nongastrointestinal abnormalities. Chisholm HL, et al. **JCU** 1985 Jan;13(1):42-4

Correlation of ultrasound and pathologic findings in patients with epithelial carcinoma of the ovary. Wicks JD, et al. **JCU** 1984 Sep;12(7):397-402

Indium-111 labelled monoclonal antibody to placental alkaline phosphatase in in the detection of neoplasms of testis, ovary, and cervix. Epenetos AA, et al. **Lancet** 1985 Aug 17;2(8451):350-3

Amylase in serous ovarian neoplasms. Ramaswamy G, et al. **NY State J Med** 1985 Mar;85(3):113-5

Serous surface papillary carcinoma of the ovary: a clinical, pathologic, ultrastructural, and immunohistochemical study of 11 cases. White PF, et al. **Pathol Annu** 1985;20 Pt 1:403-18

Flow cytometric analysis of cellular DNA content as an adjunct to the diagnosis of ovarian tumours of borderline malignancy. Friedlander ML, et al. **Pathology** 1984 Jul; 16(3):301-6

Cystic ovarian teratomas: the sonographic appearance of the dermoid plug. Quinn SF, et al. **Radiology** 1985 May; 155(2):477-8

Malignant struma ovarii, diagnosed post menopause. Zbranca E, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Oct-Dec; 88(4):733-6

Bilateral calcified ovarian fibromas. Tytle T, et al. **South Med J** 1984 Sep;77(9):1178-80

[Serum lactic dehydrogenase assay in the diagnosis and therapeutic monitored of ovarian carcinoma] Mi RR. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):81-4, 126 (Eng. Abstr.) (Chi)

[Diagnosis of adnexal masses and ovarian carcinoma by gray-scale ultrasound] Xu L. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jul;19(3):158-61, 191 (Eng. Abstr.) (Chi)

[Radiological case of the month. Mucous cystadenoma of the ovary] Le Luyer B, et al. **Arch Fr Pediatr** 1985 Apr; 42(4):315-6 (Fre)

[Experiences with CA 125, a tumor marker for malignant epithelial ovarian tumors] Crombach G, et al. **Geburtshilfe Frauenheilkd** 1985 Apr;45(4):205-12 (Eng. Abstr.) (Ger)

[Early detection of gynecologic neoplasms: value of lactate dehydrogenase in vaginal secretions as a tumor marker] Berger C, et al. **Gynakol Rundsch** 1985;25(1):31-9 (Ger)

[A case from practice (32). Female patient: M.E., born 10-13-1939, annuitant (clinical conference)] Schlatter G. **Schweiz Rundsch Med Prax** 1985 Feb 12;74(7):163 (Ger)

[Leydig cell tumor with pronounced virilization] Lotze W, et al. **Zentralbl Gynakol** 1985;107(10):647-50 (Eng. Abstr.) (Ger)

[Primary, non-pregnancy-induced choriocarcinoma] Lotze W, et al. **Zentralbl Gynakol** 1985;107(12):765-8 (Eng. Abstr.) (Ger)

[Markers of carcinoma of the ovary: serum cystine aminopeptidase and leucine aminopeptidase, reliable diagnostic parameters?] Belgeri R, et al. **Ann Ostet Ginecol Med Perinat** 1984 Sep-Oct; 105(5):325-30 (Eng. Abstr.) (Ita)

[Tumor markers: new prospects in the diagnosis and clinical monitoring of malignant epithelial neoplasms of the ovary] Gadducci A, et al. **Ann Ostet Ginecol Med Perinat** 1985 Jan-Feb;106(1):34-9 (Eng. Abstr.) (Ita)

[The non-significance of plasma testosterone as endocrine marker in diagnosis and follow-up of carcinoma of the ovary] Scarabelli C, et al. **Minerva Ginecol** 1984 Jul-Aug; 36(7-8):411-2 (Eng. Abstr.) (Ita)

[The present status of tumor markers in malignant ovarian tumor] Nishimura H, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):589-93 (Eng. Abstr.) (Jpn)

[Studies on immunosuppressive acidic protein (IAP) in ovarian tumors] Miyoshi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):923-9 (Eng. Abstr.) (Jpn)

[Clinical evaluation of a cancer antigen, CA 125, associated with ovarian cancer. I. Technical investigation and the reference value] Sakurabayashi I, et al. **Rinsho Byori** 1984 Dec;32(12):1345-9 (Jpn)

[Clinical evaluation of a cancer antigen CA125 associated with ovarian cancer. (III) Serum CA125 levels in patients with ovarian cancer and other gynecological tumors] Suzuki M, et al. **Rinsho Byori** 1985 Feb;33(2):173-7 (Jpn)

[A case of bilateral huge ovarian leiomyoma] Kurokawa H, et al. **Rinsho Hoshasen** 1984 Dec;29(13):1521-4 (Eng. Abstr.) (Jpn)

[Diagnosis of genital tumors using ultrasonics in different presentations] Pertyński T, et al. **Ginekol Pol** 1984 Jul; 55(7):477-86 (Eng. Abstr.) (Pol)

[Histoclinical evaluation of adnexal endometriosis] Kelm R. **Wiad Lek** 1984 Apr 1;37(7):522-6 (Eng. Abstr.) (Pol)

[Differential diagnosis of metastases and primary ovarian tumors in patients with breast cancer] Dymarskiĭ LIu, et al. **Akush Ginekol (Mosk)** 1984 Nov;(11):39-42 (Eng. Abstr.) (Rus)

[The use of mathematical methods in the diagnosis of ovarian tumors] Iakubov VI. **Akush Ginekol (Mosk)** 1984 Nov; (11):37-9 (Rus)

[Blood serum sialic acids in the diagnosis of ovarian tumors] Makhova EE, et al. **Akush Ginekol (Mosk)** 1985 Mar; (3):54-5 (Rus)

[Differential diagnosis of ovarian tumors] Selezneva ND. **Akush Ginekol (Mosk)** 1984 Aug;(8):65-8 (Rus)

[Extragastric sarcomas of the stomach] Bashkov IuA. **Khirurgiia (Mosk)** 1985 Mar;(3):119-20 (Rus)

[Clinical picture and treatment of ovarian dysgerminoma patients] Antoshechkina ET. **Vopr Onkol** 1985;31(3):68-74 (Eng. Abstr.) (Rus)

[Differential diagnosis of primary and metastatic ovarian tumors in patients treated for breast cancer] Livshits MA, et al. **Vopr Onkol** 1985;31(3):63-8 (Eng. Abstr.) (Rus)

[Monoclonal antibodies in the radioimmunological diagnosis of malignant tumors of the gastrointestinal tract and ovaries] Tkacheva GA, et al. **Vopr Onkol** 1985;31(5):36-42 (Eng. Abstr.) (Rus)

[Giant ovarian cystoma simulating ascites] Spasiuk MI, et al. **Vrach Delo** 1984 Nov;(11):74-5 (Rus)

[Diagnostic problems in malignant diseases of the ovary] Popović-Lazić J, et al. **Srp Arh Celok Lek** 1984 Jul-Aug; 112(7-8):815-20 (Scc)

[Ovarian tumors in childhood. Report of a case of giant cystoadenoma] Cruz y Hermida J. **An R Acad Nac Med (Madr)** 1984;101(2):185-204 (Spa)

DRUG THERAPY

Progestin therapy of endometrial, breast and ovarian carcinoma. A review of clinical observations. Kauppila A. **Acta Obstet Gynecol Scand** 1984;63(5):441-50 (111 ref.)

Single agent vs. combination chemotherapy for ovarian cancer. Delgado G, et al. **Am J Clin Oncol** 1985 Feb; 8(1):33-7

Mitoxantrone in epithelial carcinoma of the ovary. A Southwest Oncology Group study. Hilgers RD, et al. **Am J Clin Oncol** 1984 Oct;7(5):499-501

Mitoxantrone (NSC-301739) in patients with advanced ovarian carcinoma. A phase II study of the Gynecologic Oncology Group. Muss HB, et al. **Am J Clin Oncol** 1984 Dec;7(6):737-9

Cisplatin, vinblastine, and bleomycin as second-trial therapy in ovarian carcinoma. A pilot study of the Gynecologic Oncology Group. Stehman FB, et al. **Am J Clin Oncol** 1985 Feb;8(1):27-31

Phase II study of methyl-glyoxal bis-guanylhydrazone (NSC 3296) in advanced ovarian cancer. Vogl SE, et al. **Am J Clin Oncol** 1984 Dec;7(6):733-6

Intraperitoneal chemotherapy for advanced ovarian cancer. Lucas WE, et al. **Am J Obstet Gynecol** 1985 Jun 15; 152(4):474-8

Malignant ovarian germ cell tumors: a review of thirty-six cases. Micha JP, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):842-6

Comparison of the intraperitoneal and intravenous routes of cisplatin administration in an advanced ovarian cancer model of the rat. Sekiya S, et al. **Am J Obstet Gynecol** 1985 Sep 1;153(1):106-11

A VP16-213- and cisplatin-containing regimen for treatment of refractory ovarian germ cell malignancies. Smith EB, et al. **Am J Obstet Gynecol** 1984 Dec 15;150(8):927-31

High-dose cisplatin therapy for cancer of the ovary: neurotoxicity [letter] Bagley CM Jr, et al. **Ann Intern Med** 1985 May;102(5):719

Risk of acute nonlymphocytic leukemia and preleukemia in patients treated with cyclophosphamide for non-Hodgkin's lymphomas. Comparison with results obtained in patients treated for Hodgkin's disease and ovarian carcinoma with other alkylating agents. Pedersen-Bjergaard J, et al. **Ann Intern Med** 1985 Aug;103(2):195-200

Augmentation of adriamycin, melphalan, and cisplatin cytotoxicity in drug-resistant and -sensitive human ovarian carcinoma cell lines by buthionine sulfoximine mediated glutathione depletion. Hamilton TC, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2583-6

Magnesium deficiency psychosis induced by cancer chemotherapy. Matzen TA, et al. **Biol Psychiatry** 1985 Jul; 20(7):788-91

Combination chemotherapy of ovarian carcinoma with cisplatinum and treosulfan—a phase II study. Duncan ID, et al. **Br J Obstet Gynaecol** 1985 Jul;92(7):762-7

Treatment of advanced ovarian cancer with combination chemotherapy using cyclophosphamide, adriamycin and cis-platinum. Milsted R, et al. **Br J Obstet Gynaecol** 1984 Sep;91(9):927-31

High dose cisplatin compared with high dose cyclophosphamide in the management of advanced epithelial ovarian cancer [letter] **Br Med J [Clin Res]** 1985 May 4;290(6478):1351

High dose cisplatin compared with high dose cyclophosphamide in the management of advanced epithelial ovarian cancer (FIGO stages III and IV): report from the North Thames Cooperative Group. Lambert HE, et al. **Br Med J [Clin Res]** 1985 Mar 23;290(6472):889-93

Treatment of advanced and recurrent ovarian carcinoma with cyclophosphamide, doxorubicin, and cisplatin. Belinson JL, et al. **Cancer** 1984 Nov 1;54(9):1983-90

A randomized comparison of cyclophosphamide, Adriamycin, and 5-fluorouracil with triethylenethiophosphoramide and methotrexate, both as sequential and as fixed rotational treatment in patients with advanced ovarian cancer. Bruckner HW, et al. **Cancer** 1985 Jan 1;55(1):26-40

HAC-Cytoxan (cyclophosphamide) chemotherapy for ovarian carcinoma. Alternating chemotherapy with intensification. Coleman M, et al. **Cancer** 1985 May 15; 55(10):2342-7

Advanced ovarian carcinoma. Factors influencing survival. Klein B, et al. **Cancer** 1985 Apr 15;55(8):1829-34

Vincristine, dactinomycin, and cyclophosphamide in the treatment of malignant germ cell tumors of the ovary. A Gynecologic Oncology Group Study (a final report). Slayton RE, et al. **Cancer** 1985 Jul 15;56(2):243-8

Vinblastine, bleomycin, and cisplatin in malignant germ cell tumors of the ovary. Taylor MH, et al. **Cancer** 1985 Sep 15;56(6):1341-9

Cisplatin, adriamycin and cyclophosphamide (PACe) combination chemotherapy in patients with ovarian carcinoma resistant to chlorambucil. Mead GM, et al. **Cancer Chemother Pharmacol** 1985;15(2):179-80

Pharmacokinetic study of VM26 given as a prolonged IV infusion to ovarian cancer patients. Rossi C, et al. **Cancer Chemother Pharmacol** 1984;13(3):211-4

Hexamethylmelamine, adriamycin, and cyclophosphamide (HAC) versus cis-dichlorodiamineplatinum, adriamycin, and cyclophosphamide (PAC) in advanced ovarian cancer: a randomized clinical trial. Sessa C, et al. **Cancer Chemother Pharmacol** 1985;14(3):222-8

Comparative activity and distribution studies of five platinum analogues in nude mice bearing human ovarian carcinoma xenografts. Boven E, et al. **Cancer Res** 1985 Jan;45(1):86-90

Treatment of murine intraperitoneal ovarian ascitic tumor with hematoporphyrin derivative and laser light. Tochner Z, et al. **Cancer Res** 1985 Jul;45(7):2983-7

Treatment of metastatic ovarian carcinoma with amsacrine: a cancer and leukemia group B phase II study. Amrein PC, et al. **Cancer Treat Rep** 1984 Nov;68(11):1397-8

Cisplatin-MECY (methotrexate-leucovorin rescue plus cyclophosphamide) versus cisplatin-CHAD (cyclophosphamide, hexamethylmelamine, doxorubicin, and cisplatin) as initial chemotherapy in stage III-IV ovarian adenocarcinoma. Barlow JJ, et al. **Cancer Treat Rep** 1984 Dec;68(12):1433-8

Activity of JM9 in advanced ovarian cancer: a phase I-II trial. Bramwell VH, et al. **Cancer Treat Rep** 1985 Apr;69(4):409-16

Phase II study of 4-demethoxydaunorubicin in advanced ovarian carcinoma. Hakes TB, et al. **Cancer Treat Rep** 1985 May;69(5):559-60

Continuous-infusion vinblastine for treatment of refractory epithelial carcinoma of the ovary: a phase II trial. Kavanagh JJ, et al. **Cancer Treat Rep** 1984 Nov;68(11):1417-8

Intermittent Iv homoharringtonine for the treatment of refractory epithelial carcinoma of the ovary: a phase II trial. Kavanagh JJ, et al. **Cancer Treat Rep** 1984 Dec;68(12):1503-4

Continuous-infusion spirogermanium for the treatment of refractory carcinoma of the ovary: a phase II trial. Kavanagh JJ, et al. **Cancer Treat Rep** 1985 Jan;69(1):139-40

Phase II trial of diaziquone in advanced ovarian carcinoma. European Organization for Research on Treatment of Cancer Early Clinical Trials Group. Lund B, et al. **Cancer Treat Rep** 1985 Mar;69(3):339-40

4'-epi-doxorubicin in combination with cisplatin in advanced ovarian cancer. Martoni A, et al. **Cancer Treat Rep** 1984 Nov;68(11):1391-3

Phase II trial of 5-FU administered Ip to patients with refractory ovarian cancer. Ozols RF, et al. **Cancer Treat Rep** 1984 Oct;68(10):1229-32

Peptichemio in pretreated patients with ovarian cancer. Paccagnella A, et al. **Cancer Treat Rep** 1985 Jan;69(1):17-20

Six-drug chemotherapy (hexamethylmelamine, doxorubicin, cisplatin, cyclophosphamide, methotrexate, and 5-FU; CHAMP-5) for ovarian carcinoma: alternating sequences of combination regimens. Pasmantier MW, et al. **Cancer Treat Rep** 1985 Jun;69(6):689-93

Phase II study of 5-day infusion of vinblastine in patients with advanced ovarian carcinoma. Shah MK, et al. **Cancer Treat Rep** 1985 Feb;69(2):229-30

High dose cisplatin after failure of polychemotherapy containing cisplatin in ovarian cancer. Preliminary results. Bruzzone M, et al. **Chemioterapia** 1985 Apr;4(2):139-42

Polychemotherapy in ovarian cancer: treatment with Adriamycin, BCNU and cyclophosphamide vs. Adriamycin and cyclophosphamide. Mazzei T, et al. **Chemioterapia** 1984 Feb;3(1):10-5

Scintigraphic peritoneography in advanced ovarian malignancies: its value for chemotherapeutic distribution studies. Van Weelde BJ, et al. **Clin Radiol** 1984 Nov;35(6):465-8

A randomized study of single agent vs combination chemotherapy in FIGO stages IIB, III and IV ovarian adenocarcinoma. Aabo K, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):475-81

Pulmonary embolism in patients receiving chemotherapy for advanced ovarian cancer. Canney PA, et al. **Eur J Cancer Clin Oncol** 1985 May;21(5):585-6

Adriamycin and cis-platinum in advanced ovarian cancer. de Gramont A, et al. **Eur J Cancer Clin Oncol** 1985 Jun;21(6):665-9

Phase II trial of bleomycin in patients with advanced ovarian cancer: an EORTC Gynecological Cancer Cooperative Group Study. Vermorken JB, et al. **Eur J Cancer Clin Oncol** 1985 Jun;21(6):671-3

Polychemotherapy with carmustine, cyclophosphamide plus adriamycin in the treatment of advanced ovarian cancer. Facchini V, et al. **Eur J Gynaecol Oncol** 1985;6(1):37-40

Polychemotherapeutic treatment for ovarian carcinoma (our experience). Montoneri C, et al. **Eur J Gynaecol Oncol** 1985;6(2):160-3

Ultrasounds examination during polychemotherapy for ovarian cancer. Montoneri C, et al. **Eur J Gynaecol Oncol** 1985;6(2):114-5

Breast metastasis of ovarian cancer during cis-platinum therapy. A case report and review of the literature. Scotto V, et al. **Eur J Gynaecol Oncol** 1985;6(1):62-5

Cis-platin in combination with low dose adriamycin and cyclophosphamide in advanced ovarian carcinoma. Verheijen RH, et al. **Eur J Gynaecol Oncol** 1985;6(2):116-20

Treatment of endometriosis with danazol: report of a 6-year prospective study. Buttram VC Jr, et al. **Fertil Steril** 1985 Mar;43(3):353-60

Validity and limitations of ultrasonography in monitoring therapeutic response in ovarian carcinoma. Ferrazzi E, et al. **Gynecol Obstet Invest** 1985;19(4):213-6

The effect of cytoxan, adriamycin, and cis-platinum on cervical, vaginal cytology. Belinson JL, et al. **Gynecol Oncol** 1985 Jan;20(1):78-82

Cisplatin, methotrexate, and 5-fluorouracil combination chemotherapy for advanced ovarian cancer. Conte PF, et al. **Gynecol Oncol** 1985 Mar;20(3):290-7

Leukemogenesis related to chemotherapy of ovarian carcinoma: a review with three new case reports. Littleton RE, et al. **Gynecol Oncol** 1984 Nov;19(3):268-77 (40 ref.)

Combined cyclophosphamide, adriamycin and cis-platinum in advanced ovarian cancer resistant to chlorambucil and cis-platinum. Mann GJ, et al. **Gynecol Oncol** 1985 Jun;21(2):215-9

Action of 2-beta-D-ribofuranosylthiazole-4-carboxamide (tiazofurin) against untreated human ovarian cancers in the murine xenograft assay. Micha JP, et al. **Gynecol Oncol** 1985 Jul;21(3):351-5

Syndrome of inappropriate antidiuretic hormone secretion during cis-dichlorodiammineplatinum therapy in a patient with an ovarian carcinoma. Porter AT. **Gynecol Oncol** 1985 May;21(1):103-5

The cyclophosphamide, hexamethylmelamine, 5 fluorouracil (CHF) regimen in the treatment of advanced and recurrent ovarian cancer. Posada JG Jr, et al. **Gynecol Oncol** 1985 Jan;20(1):23-31

Cisplatin, vinblastine, and bleomycin therapy of yolk sac (endodermal sinus) tumor of the ovary. Sawada M, et al. **Gynecol Oncol** 1985 Feb;20(2):162-9

Recurrent ovarian carcinoma: retreatment utilizing combination chemotherapy including cis-diamminedichloroplatinum in patients previously responding to this agent. Seltzer V, et al. **Gynecol Oncol** 1985 Jun;21(2):167-76

Modified VAB-3 combination chemotherapy of advanced and recurrent endodermal sinus tumors of the ovary. Tsukamoto N, et al. **Gynecol Oncol** 1985 Mar;20(3):336-45

Use of in vitro method to predict response of human ovarian carcinoma cells to chemotherapeutic agents. Buckshee K, et al. **Int J Gynaecol Obstet** 1984 Oct;22(5):371-4

Individual chemosensitivity of in vitro proliferating mammary and ovarian carcinoma cells in comparison to clinical results of chemotherapy. Albrecht M, et al. **J Cancer Res Clin Oncol** 1985;109(3):210-6

Treatment selection for cancer patients: application of statistical decision theory to the treatment of advanced ovarian cancer. Simes RJ. **J Chronic Dis** 1985;38(2):171-86

Spontaneous mutation to chemotherapy resistance: implications of the Goldie-Coldman model for the management of ovarian cancer. Dembo AJ. **J Clin Oncol** 1984 Dec;2(12):1311-6

Intraperitoneal chemotherapy with high-dose cisplatin and cytosine arabinoside for refractory ovarian carcinoma and other malignancies principally involving the peritoneal cavity. Markman M, et al. **J Clin Oncol** 1985 Jul;3(7):925-31

Combination intraperitoneal chemotherapy with cisplatin, cytarabine, and doxorubicin for refractory ovarian carcinoma and other malignancies principally confined to the peritoneal cavity. Markman M, et al. **J Clin Oncol** 1984 Dec;2(12):1321-6

High-dose cisplatin in hypertonic saline in refractory ovarian cancer. Ozols RF, et al **J Clin Oncol** 1985 Sep;3(9):1246-50

Alternating combination chemotherapy for stages III and IV ovarian carcinoma. Young JA, et al. **J Clin Oncol** 1984 Dec;2(12):1317-20

Antiproliferative activity of human interferons against ovarian cancer cells grown in human tumor stem cell assay. Willson JK, et al. **J Interferon Res** 1984 Fall;4(4):441-7

The chemotherapy of granulosa cell tumors of the ovary: experience of the Wisconsin Clinical Cancer Center. Neville AJ, et al. **Med Pediatr Oncol** 1984;12(6):397-400

Limitations of drug sensitivity testing in soft agar for clinical management of patients with ovarian carcinoma. Arbuck SG, et al. **Obstet Gynecol** 1985 Jul;66(1):115-20

Persistence and distribution of estrogen receptor in advanced epithelial ovarian carcinoma after chemotherapy. Richman CM, et al. **Obstet Gynecol** 1985 Feb;65(2):257-63

Combination chemotherapy in the management of ovarian germ cell malignancies. Schwartz PE. **Obstet Gynecol** 1984 Oct;64(4):564-72

Current status of systemic chemotherapy in the treatment of advanced ovarian cancer with emphasis on CHAP-5. Neijt JP, et al. **Radiother Oncol** 1984 Jun;2(1):19-29

The use of high-dose megestrol acetate in the treatment of ovarian adenocarcinoma. Geisler HE. **Semin Oncol** 1985 Mar;12(1 Suppl 1):20-2

Experimental model systems of ovarian cancer: applications to the design and evaluation of new treatment approaches. Hamilton TC, et al. **Semin Oncol** 1984 Sep;11(3):285-98 (87 ref.)

The use of intraper[illegible]al chemotherapy in the treatment of ovarian cance[illegible] Myers C. **Semin Oncol** 1984 Sep,11(3):275-84 (36 ref.)

Chemotherapy of ovarian cancer. Ozols RF, et al. **Semin Oncol** 1984 Sep;11(3):251-63 (78 ref.)

New drugs and experimental approaches in ovarian cancer treatment. Thigpen JT, et al. **Semin Oncol** 1984 Sep;11(3):314-26 (99 ref.)

[Ultrasonics and computer tomography--controlling methods in treatment with Platidiam] Novotná J, et al. **Cesk Gynekol** 1984 Aug;49(7):499-501 **(Cze)**

[Adjuvant chemotherapy of cancer of the ovary] Cappelaere P, et al. **Bull Cancer (Paris)** 1984;71(4):363-9 (Eng. Abstr.) **(Fre)**

[Second-line chemotherapy of ovarian cancer] de Gramont A, et al. **Union Med Can** 1984 Nov;113(11):940-2 (Eng. Abstr.) **(Fre)**

[Cisplatin in ovarian cancer: how much and how long?] Umbach GE, et al. **Dtsch Med Wochenschr** 1985 Mar 22;110(12):472-6 **(Ger)**

[Drug sensitivity testing of gynecologic tumors using Volm's test and stem cell assay] Eidtmann H, et al. **Geburtshilfe Frauenheilkd** 1985 Jul;45(7):477-81 (Eng. Abstr.) **(Ger)**

[Ovarian carcinoma: surgery and polychemotherapy with cisplatin. Considerations on a clinical case] Moresco L, et al. **Chir Ital** 1983 Feb;35(1):71-6 (Eng. Abstr.) **(Ita)**

[Continuous peritoneal lavage with antiblastics in the treatment of ovarian carcinoma in the ascitic phase. Preliminary results] Vadalà G, et al. **Minerva Chir** 1984 Dec 15-31;39(23-24):1689-91 (Eng. Abstr.) **(Ita)**

[Preoperative treatment with UFT for patients with ovarian malignant tumors] Nagai S, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):1073-9 (Eng. Abstr.) **(Jpn)**

[Diagnosis and treatment of germ cell tumors of the ovary] Sawada M, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2489-95 (Eng. Abstr.) **(Jpn)**

[In vitro evaluation of anticancer drugs and retrospective clinical trials with the human tumor cloning system] Inoue K, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Feb 20;20(1):59-65 (Eng. Abstr.) **(Jpn)**

[Selective intra-arterial administration of cis-diamminedichloroplatinum (CDDP) to metastatic tumors of ovarian cancer] Tateyama I, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Dec 20;19(10):2296-304 (Eng. Abstr.) **(Jpn)**

[A summary of the experience with cisplatin in the treatment of gynecological malignancies, with special reference to advanced ovarian cancer] Hirabayashi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jan;37(1):9-14 (Eng. Abstr.) **(Jpn)**

[Cisplatin and ovarian carcinoma--early detection of cisplatin-induced nephrotoxicity] Kobayashi H. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):888-96 (Eng. Abstr.) **(Jpn)**

[Effect, toxicity and tissue concentration in the clinical use of cis-diamminedichloroplatinum (II)] Kodama S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 May;37(5):683-90 (Eng. Abstr.) **(Jpn)**

[Clinical effects of oral administration of UFT on gynecological malignant tumors] Sagara Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Aug;36(8):1287-90 **(Jpn)**

[Chemotherapy of ovarian cancer based on in vitro (HTCA) and in vivo (nude mice) chemosensitivity testing] Sagawa T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jul;37(7):1197-204 (Eng. Abstr.) **(Jpn)**

[Analysis of results of monochemotherapy of ovarian cancer with special reference to long-term survival] Sablińska B, et al. **Nowotwory** 1984 Jul-Sep;34(3):229-35 (Eng. Abstr.) **(Pol)**

[Intrastitial chemotherapy of disseminated ovarian cancer] Blok MIa. **Vopr Onkol** 1985;31(3):101-3 **(Rus)**

ENZYMOLOGY

Demonstration of hydroxysteroid dehydrogenases and testosterone in the Sertoli-Leydig cell tumor (androblastoma) tissue of the human ovary: an enzyme histochemical and immunohistochemical study. Haider SG, et al. **Acta Anat (Basel)** 1985;121(3):170-3

On the value of placental alkaline phosphatase as a marker for gynecological malignancy. Stigbrand T, et al. **Acta Obstet Gynecol Scand** 1985;64(2):99-103

Detection of placental-type alkaline phosphatase in ovarian cancer. McDicken IW, et al. **Br J Cancer** 1985 Jul;52(1):59-64

Murine monoclonal antibodies against galactosyltransferase from the ascites of ovarian cancer patients. Chatterjee SK, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5725-32

Superoxide dismutase levels in Chinese hamster ovary cells and ovarian carcinoma cells after hyperthermia or exposure to cycloheximide. Loven DP, et al. **Cancer Res** 1985 Jul;45(7):3029-33

Human placental alkaline phosphatase in benign and malignant ovarian neoplasia. Nouwen EJ, et al. **Cancer Res** 1985 Feb;45(2):892-902

Levels of serum lactic dehydrogenase in ovarian carcinoma. Lui TL, et al. **Chin Med J [Engl]** 1984 Apr;97(4):273-77

Analysis of serum lactic dehydrogenase levels and its isoenzymes in ovarian dysgerminoma. Fujii S, et al. **Gynecol Oncol** 1985 Sep;22(1):65-72

Serum lactic dehydrogenase (SLDH) in germ cell malignancies of the ovary. Lui TL, et al. **Gynecol Oncol** 1984 Nov;19(3):355-7

Biochemical and immunologic characterization of galactosyltransferase purified from the ascites of ovarian cancer patients. Chatterjee SK, et al. **JNCI** 1985 Aug;75(2):237-48

Immunohistochemical demonstration of amylase in endometrioid carcinomas of the ovary. Ueda G, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jan;37(1):149-50

An amylase-producing serous cystadenocarcinoma of the ovary. Hodes ME, et al. **Oncology** 1985;42(4):242-7

Serological and tissue localization of placental alkaline phosphatase using monoclonal antibodies in breast and ovarian cancer. Johnson PM, et al. **Prog Clin Biol Res** 1984;166:289-97

[Hyperamylasemia in cystadenocarcinoma of the ovaries] Naess CE, et al. **Tidsskr Nor Laegeforen** 1984 Aug 20;104(23):1536-7 (Eng. Abstr.) **(Nor)**

ETIOLOGY

How to induce ovarian cancer: and how not to [editorial] Scott JS. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):781–2

The effect of tubal ligation on the incidence of epithelial cancer of the ovary. Koch M, et al. **Cancer Detect Prev** 1984;7(4):241–5

Age at first birth and risk of epithelial ovarian cancer [letter] Lesher L, et al. **JNCI** 1985 Jun;74(6):1361–3

Gonadotrophins and ovarian cancer risk [letter] Mohle J, et al. **JNCI** 1985 Jul;75(1):178–80

Uterotropic hormones produced by ovaries of Sl/Slt mutant mice before spontaneous development of tubular adenomas. Terada N, et al. **Jpn J Cancer Res** 1985 Jul;76(7):590–5

Epidemiology and etiology of ovarian cancer: a review. Heintz AP, et al. **Obstet Gynecol** 1985 Jul;66(1):127–35 (79 ref.)

Development of ovarian carcinoma in a cyclosporin A immunosuppressed patient. Maung R, et al. **Obstet Gynecol** 1985 Sep;66(3 Suppl):89S–92S

[Epithelial tumors of the ovary with a low malignant potential. I. Histogenesis, morphology and diagnosis] Ganchev S, et al. **Akush Ginekol (Sofiia)** 1985;24(3):50–7 (Eng. Abstr.) **(Bul)**

[Clinico-hormonal aspects of the pathogenesis of epithelial tumors of the ovaries] Griaznovo IM, et al. **Akush Ginekol (Mosk)** 1984 Nov;(11):33–6 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Origin of immature teratoma of the ovary. Ohama K, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):896–900

Hereditary ovarian carcinoma. Biomarker studies. Lynch HT, et al. **Cancer** 1985 Jan 15;55(2):410–5

Common marker chromosomes in ovarian cancer. Panani A, et al. **Cancer Genet Cytogenet** 1985 Mar 1;16(1):65–71

Chromosomal changes in an ovarian granulosa cell tumor: similarity with carcinoma. Teyssier JR, et al. **Cancer Genet Cytogenet** 1985 Jan 1;14(1–2):147–52

Generation of clonal variants in a human ovarian carcinoma studied by chromosome banding analysis. Trent JM, et al. **Cancer Genet Cytogenet** 1985 Jan 1;14(1–2):153–61

Stability of c-K-ras amplification during progression in a patient with adenocarcinoma of the ovary. Filmus JE, et al. **Cancer Res** 1985 Sep;45(9):4468–72

Cytogenetic observations on two ovarian carcinomas with double minutes, one with a 6q- marker chromosome. Bullerdiek J, et al. **Cytobios** 1985;42(165):15–24

Application of DNA flow cytometry to paraffin-embedded archival material for the study of aneuploidy and its clinical significance. Hedley DW, et al. **Cytometry** 1985 Jul;6(4):327–33

Polymorphism of Ag-stained nucleolus organizer regions in lymphocytes of patients with ovarian or breast adenocarcinoma. Kivi S, et al. **Hum Genet** 1985;69(4):350–2

46,XY gonadal dysgenesis: is oncogenesis related to H-Y phenotype or breast development? Warner BA, et al. **Hum Genet** 1985;69(1):79–85

Familial occurrence of mature ovarian teratomas. Simon A, et al. **Obstet Gynecol** 1985 Aug;66(2):278–9

IMMUNOLOGY

A study of the NB/7OK and CA 125 monoclonal antibody radioimmunoassays for measuring serum antigen levels in ovarian cancer patients. Knauf S, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):911–3

Autologous antibodies eluted from membrane fragments isolated from the effusions of human ovarian epithelial neoplasms. I. Quantitation of antibodies. Kutteh WH, et al. **Am J Obstet Gynecol** 1985 Sep 15;153(2):124–9

Immunosuppressive factors in ascites fluids from ovarian cancer patients. Fumita Y, et al. **Am J Reprod Immunol** 1984 Dec;6(4):175–8

Identification of antigenic components recognized by 'membrane-bound' antibodies from ovarian cancer patients. Taylor DD, et al. **Am J Reprod Immunol** 1984 Dec;6(4):179–84

Ovarian cancer: evaluation of the leukocyte adherence inhibition assay. Hicks LJ, et al. **Asia Oceania J Obstet Gynaecol** 1984 Dec;10(4):547–58

CA19-9 as a marker for ovarian cancer: alone and in comparison with CA125. Canney PA, et al. **Br J Cancer** 1985 Jul;52(1):131–3

Ovarian cancer antigen CA125: a prospective clinical assessment of its role as a tumour marker. Canney PA, et al. **Br J Cancer** 1984 Dec;50(6):765–9

Tumour-associated antigen CA 125 in patients with ovarian cancer. Heinonen PK, et al. **Br J Obstet Gynaecol** 1985 May;92(5):528–31

Evidence of an antigen common to human intestine, endocervix and mucinous ovarian cysts present exclusively in ALeb patients. Bara J, et al. **Bull Cancer (Paris)** 1985;72(2):104–7

Activity of antibodies recovered from immune complexes of ovarian cancer patients. Lutz PM, et al. **Cancer Immunol Immunother** 1984;17(3):180–9

Inhibition of lymphocyte mitogenesis by factor(s) released from macrophages isolated from ascitic fluid of advanced ovarian cancer patients. Sheid B, et al. **Cancer Immunol Immunother** 1984;17(3):190–4

Biochemical analysis of human ovarian cancer-associated antigens defined by murine monoclonal antibodies. Miotti S, et al. **Cancer Res** 1985 Feb;45(2):826–32

Generation of monoclonal antibodies reacting with human epithelial ovarian cancer. Tagliabue E, et al. **Cancer Res** 1985 Jan;45(1):379–85

Identification of two different surface epitopes of human ovarian epithelial carcinomas by monoclonal antibodies. Tsuji Y, et al. **Cancer Res** 1985 May;45(5):2358–62

Syphilis serological markers in patients with malignant diseases. Petersen CS, et al. **Dan Med Bull** 1984 Oct;31(5):410–1

Demonstration of tumor-associated immunoglobulin G isolated from immune complexes in ascitic fluid of ovarian cancer. Silburn PA, et al. **Diagn Immunol** 1984;2(1):30–5

HLA antigens in ovarian adenocarcinoma patients. Illeni MT, et al. **Eur J Gynaecol Oncol** 1985;6(2):121–5

Elevation of serum CA 125 prior to diagnosis of an epithelial ovarian carcinoma. Bast RC Jr, et al. **Gynecol Oncol** 1985 Sep;22(1):115–20

Longitudinal study of CEA and CA125 in ovarian cancer. Brioschi PA, et al. **Gynecol Oncol** 1985 May;21(1):1–6

Serum-mediated immunosuppression: a possible tumor marker in patients with ovarian carcinoma. Onsrud M. **Gynecol Oncol** 1985 May;21(1):94–100

The study of antibodies and antigens dissociated from the immune complexes extracted from ovarian carcinoma ascitic fluid. Qian HN, et al. **Gynecol Oncol** 1985 Jan;20(1):100–8

Production and characterization of monoclonal antibody to a 60-kD glycoprotein in ovarian carcinoma. Bhattacharya M, et al. **Hybridoma** 1985 Summer;4(2):153–62

Anti-tumor effect of inflammatory neutrophils: characteristics of in vivo generation and in vitro tumor cell lysis. Lichtenstein A, et al. **Int J Cancer** 1985 Jan 15;35(1):121–7

Effects of cimetidine on tumor growth and immune function in nude mice bearing human ovarian carcinoma. Kikuchi Y, et al. **JNCI** 1985 Feb;74(2):495–8

Natural killer inhibitory substance produced by the peritoneal cells of patients with ovarian cancer. Lichtenstein AK, et al. **JNCI** 1985 Feb;74(2):349–55

The effect of cimetidine on natural killer activity of peripheral blood lymphocytes of patients with ovarian carcinoma. Kikuchi Y, et al. **Jpn J Clin Oncol** 1985 Jun;15(2):377–83

A case of IgM lambda pyroglobulinemia caused by lymphoma probably of ovarian origin. Okubo H, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Feb;48(1):124–33

Ca-125 levels in the conditioned media of the gynecological tumor cell lines. Ishiwata I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jan;37(1):147–8

Practical aspects of immunohistochemistry. Walts AE. **NY State J Med** 1985 May;85(5):191–3

Lymphocyte cytotoxicity in the peritoneal cavity and blood of patients with ovarian cancer. Berek JS, et al. **Obstet Gynecol** 1984 Nov;64(5):708–14

Clinical correlations of ovarian cancer antigen NB/70K: a preliminary report. Dembo AJ, et al. **Obstet Gynecol** 1985 May;65(5):710–4

Immunologic approaches to the management of ovarian carcinoma. Bast RC Jr, et al. **Semin Oncol** 1984 Sep;11(3):264–74 (144 ref.)

Generation of monoclonal antibodies to human milk-fat globule membrane antigens, with special reference to a precipitable secretory product of breast and ovarian carcinomas. Krohn K, et al. **Tumour Biol** 1985;6(1):13–23

Characterization of a common antigen of colorectal and mucinous ovarian tumors, COTA. Pant KD, et al. **Tumour Biol** 1984;5(5):243–54

Radioimmunoassay of the CA 12 5 antigen in ovarian carcinomas: advantages compared with CA 19-9 and CEA. Ricolleau G, et al. **Tumour Biol** 1984;5(3–4):151–9

[Immunologic function of ovarian cancer] Hu XF, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):72–5, 125 (Eng. Abstr.) **(Chi)**

[Leukocyte migration inhibition in women with tumors in an environment with ovarian carcinoma antigen and encephalitogenic factor] Tošner J, et al. **Cas Lek Cesk** 1984 Mar 23;123(12):354–7 (Eng. Abstr.) **(Cze)**

[Possibilities and limitations of the clinical use of specific monoclonal antibodies for epithelial ovarian carcinomas: CA125K] Pozzi V, et al. **Minerva Ginecol** 1985 May;37(5):253–7 (Eng. Abstr.) **(Ita)**

[Studies on CA 125, CA 19-9, TPA and IAP as tumor markers in patients with ovarian cancer] Negishi Y, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):655–63 (Eng. Abstr.) **(Jpn)**

[Tissue polypeptide antigen in gynecological cancer] Saitoh S, et al. **Gan No Rinsho** 1985 Jan;31(1):65–72 (Eng. Abstr.) **(Jpn)**

[The clinical significance of CA125 in patients with gynecological tumors—a comparative study on CA125 and other tumor markers] Suzumori K, et al. **Gan No Rinsho** 1985 May;31(5):544–8 (Eng. Abstr.) **(Jpn)**

[CA 125 (cancer antigen 125), a new tumor associated antigen recognized by monoclonal antibody] Suzuki H, et al. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 2):2719–23 (Eng. Abstr.) **(Jpn)**

[Clinical usefulness of monoclonal antibody, CA 125 and CA 19-9 in ovarian cancer] Saitoh S, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Dec 20;19(10):2327–35 (Eng. Abstr.) **(Jpn)**

[Clinical usefulness of serum TPA, IAP and CEA levels in gynecological cancer] Saitoh S, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Aug 20;19(7):1496–504 (Eng. Abstr.) **(Jpn)**

[Clinical significance of new tumor marker CA 125 in gynecological cancer--particularly usefulness in diagnosis of ovarian cancer] Kimura E, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Nov;36(11):2121–8 (Eng. Abstr.) **(Jpn)**

[Immunology of malignant ovarian tumors. I. Familial occurrence, antigens and specific immunity] Markowska J. **Ginekol Pol** 1984 Sep;55(9):695–700 (39 ref.) (Eng. Abstr.) **(Pol)**

[Evaluation of the degree of endogenous intoxication in oncological patients] Karabanov GN. **Vopr Onkol** 1985;31(6):100–3 (Eng. Abstr.) **(Rus)**

METABOLISM

AFP-producing Sertoli-Leydig cell tumor of the ovary. Sekiya S, et al. **Arch Gynecol** 1985;236(3):187–96

Is endocrine status relevant to treatment planning in patients with gynaecological cancer? Quinn MA. **Aust NZ J Obstet Gynaecol** 1984 May;24(2):153–7

Cystic fluid-platinum kinetics in ovarian cancer patients: relevance to cis-dichlorodiammine platinum (II) sensitivity testing in vitro. Shelley MD, et al. **Br J Cancer** 1985 Aug;52(2):275–7

Pharmacokinetics of teniposide (VM 26) after IV administration in serum and malignant ascites of patients with ovarian carcinoma. Canal P, et al. **Cancer Chemother Pharmacol** 1985;15(2):149–52

Mechanism of synergy between N-phosphonacetyl-L-aspartate and dipyridamole in a human ovarian carcinoma cell line. Chan TC, et al. **Cancer Res** 1985 Aug;45(8):3598–604

Biological and biochemical characterization of a somatostatin-producing human carcinoma established by heterotransplantation. Vehmeyer K, et al. **Cancer Res** 1985 Oct;45(10):5151–8

Prostaglandin and thromboxane production in ovarian cancer tissue. Heinonen PK, et al. **Gynecol Obstet Invest** 1984;18(5):225–9

Immunocytochemical evidence of heterogeneous origin of alpha-fetoprotein in immature teratoma of the ovary. Burrus DR, et al. **Gynecol Oncol** 1985 May;21(1):73–9

Rapid distribution of adriamycin in the ascitic and pleural fluid of women with ovarian carcinomas. Lazo JS, et al. **Gynecol Oncol** 1985 May;21(1):65–72

Tumor-derived chemotactic factor(s) from human ovarian carcinoma: evidence for a role in the regulation of macrophage content of neoplastic tissues. Bottazzi B, et al. **Int J Cancer** 1985 Aug 15;36(2):167–73

Sertoli-Leydig cell tumor of the ovary producing alpha-fetoprotein. Chumas JC, et al. **Int J Gynecol Pathol** 1984;3(2):213–9

Monoclonal antibody recognition of multiple forms of estrogen receptor tagged with [125I]methoxy-iodovinyl estradiol in ovarian carcinomas. Lorincz MA, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):412–7

Establishment and characterization of HUOT, a human ovarian malignant teratoma cell line producing alpha-fetoprotein. Ishiwata I, et al. **JNCI** 1985 Sep;75(3):411–22

Formation of prostaglandins by ovarian carcinomas. Bauknecht T, et al. **Prostaglandins** 1985 May;29(5):665–72

[Krukenberg tumor with hormonal activity—studies on postmenopausal ovarian tumors] Ushijima H, et al. **Igaku Kenkyu** 1984 May;54(6):710–6 (Eng. Abstr.) **(Jpn)**

[Fibrin deposits on the surface of tumorous and normal cells] Mkrtchian LN, et al. **Arkh Patol** 1984;46(12):56–60 (Eng. Abstr.) **(Rus)**

MORTALITY

Long-term survival rates with various chemotherapeutic regimens in stages III and IV ovarian adenocarcinoma. The influence of optimum pretreatment surgical resection. Barlow JJ, et al. **Am J Obstet Gynecol** 1985 Jun 1;152(3):310–4

Age as a prognostic factor in epithelial ovarian carcinoma. Smedley H, et al. **Br J Obstet Gynaecol** 1985 Aug;92(8):839–42

Factors influencing survival in carcinoma of the ovary. Study from a well-defined Swedish population. Einhorn N, et al. **Cancer** 1985 May 1;55(9):2019–25

The prognostic value of age for patients with common epithelial ovarian cancer. Schulz BO, et al. **J Cancer Res Clin Oncol** 1985;109(2):152–5

Reproductive variables as possible confounders in occupational studies of breast and ovarian cancer in females. Threlfall WJ, et al. **J Occup Med** 1985 Jun;27(6):448–50

Diet and ovarian cancer [letter] Snowdon DA. **JAMA** 1985 Jul 19;254(3):356–7

Characterization and survival of patients with serous cystadenocarcinoma of the ovaries. Demopoulos RI, et al. **Obstet Gynecol** 1984 Oct;64(4):557–63

Ovarian carcinoma: a multivariate analysis of prognostic factors. Swenerton KD, et al. **Obstet Gynecol** 1985 Feb;65(2):264–70

[Analysis of the autopsy data on those dying of ovarian carcinoma at the Institute of Oncology in the last 25 years

(1955-1979)] Stepanov V. **Akush Ginekol (Sofiia)** 1984; 23(6):515-20 (Eng. Abstr.) **(Bul)**

[Scoring system for ovarian malignant tumors and its clinical significance] Gu MJ. **Chung Hua Chung Liu Tsa Chih** 1985 Mar;7(2):144-7 (Eng. Abstr.) **(Chi)**

[Has alteration of the postoperative treatment of ovarian cancer affected the survival rate? Assessment of a 7 year period] Enig B. **Ugeskr Laeger** 1985 Jan 7;147(2):86-9 (Eng. Abstr.) **(Dan)**

[Germ cell tumors of the ovary] Hørding U, et al. **Ugeskr Laeger** 1985 Feb 25;147(9):784-8 (Eng. Abstr.) **(Dan)**

[A study on factors influencing survival in stage I ovarian cancer] Yasuda M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jul;37(7):1191-6 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Mumps and postmenopausal ovarian cancer [letter] Schiffman MH, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):116-8

Ovarian cancer in the young. Anteby SO, et al. **Eur J Gynaecol Oncol** 1985;6(1):41-4

Population differences in ovarian cancer in Israel. Chaitchik S, et al. **Gynecol Oncol** 1985 Jun;21(2):155-60

Trends in the incidence of ovarian cancer in a heterogenic population (1960-1976). Mor-Josef S, et al. **Gynecol Oncol** 1985 Jul;21(3):287-93

Oral contraceptives containing chlormadinone acetate and cancer incidence at selected sites in the German Democratic Republic—a correlation analysis. Nischan P, et al. **Int J Cancer** 1984 Nov 15;34(5):671-4

Ovarian tumours in Papua New Guinea: relative frequency and histological features. Murthy DP. **Papua New Guinea Med J** 1985 Mar;28(1):14-22

The epidemiology of ovarian cancer. Greene MH, et al. **Semin Oncol** 1984 Sep;11(3):209-26 (115 ref.)

Ovarian tumours in pregnancy. A review. Teoh SH, et al. **Singapore Med J** 1984 Jun;25(3):165-7

[Epidemiologic factors in ovarian cancer] Curie P, et al. **Rev Fr Gynecol Obstet** 1985 May;80(6):379-82 (Eng. Abstr.) **(Fre)**

[Incidence of malignant genital and breast neoplasms in Cracow 1976-1979. II. Diagnostic principles and therapeutic methods] Zdebski Z, et al. **Ginekol Pol** 1984 Apr;55(4):283-6 (Eng. Abstr.) **(Pol)**

[Tumors of the ovary in adolescence. Study of 21 cases] Valenzuela E, et al. **Rev Chil Obstet Ginecol** 1981; 46(6):301-14 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Cytologic presentation of ovarian adenosquamous carcinoma in ascitic fluid. A case report. Tsukamoto N, et al. **Acta Cytol (Baltimore)** 1984 Nov-Dec;28(6):703-5

Cytology of clear-cell carcinoma of the ovary in ascitic fluid [letter] Zirkin HJ. **Acta Cytol (Baltimore)** 1984 Nov-Dec; 28(6):778-9

Granulosa-theca cell tumor in a one-year-old infant. Lessing JB, et al. **Acta Obstet Gynecol Scand** 1985;64(4):345-7

Malignant hemangiopericytoma of the ovary. Nørgaard M, et al. **Acta Obstet Gynecol Scand** 1985;64(1):87-9

Simultaneous occurrence of a granulosa cell tumour and a serous papillary cystadenocarcinoma in the same ovary. A case report. Bichel P. **Acta Pathol Microbiol Immunol Scand** [A] 1985 Jul; 93(4):175-81

Sensitivity enhancement of the cytologic detection of cancer cells in effusions by monoclonal antibodies. Ménard S, et al. **Am J Clin Pathol** 1985 May;83(5):571-6

A benign cystic teratoma with gastrointestinal tract development. Woodfield B, et al. **Am J Clin Pathol** 1985 Feb;83(2):236-40

Serous cystadenocarcinoma as incidental finding during a repeat cesarean section. Ahram J, et al. **Am J Obstet Gynecol** 1985 Sep 1;153(1):78-9

Combined morphologic and cytochemical grading of serous ovarian tumors. Erhardt K, et al. **Am J Obstet Gynecol** 1985 Feb 1;151(3):356-61

Prognostic significance of adenofibromatous pattern in ovarian epithelial malignancies [letter] Piura B. **Am J Obstet Gynecol** 1985 Jan 1;151(1):145-6

Squamous cell carcinoma arising from ovarian benign cystic teratoma. Selim MA, et al. **Am J Obstet Gynecol** 1984 Nov 15;150(6):790-2

Atypical and borderline endometrioid adenofibromas of the ovary. A report of 27 cases. Bell DA, et al. **Am J Surg Pathol** 1985 Mar;9(3):205-14

Immature teratoma of the ovary with predominant malignant retinal anlage component. A parthenogenically derived tumor. King ME, et al. **Am J Surg Pathol** 1985 Mar; 9(3):221-31

Squamous cell carcinoma in a cystic teratoma of the ovary. Tang LC, et al. **Arch Gynecol** 1984;236(1):55-9

Adenocarcinoid of the appendix presenting as bilateral Krukenberg's tumor of the ovaries. Immunohistochemical and ultrastructural studies and literature review. Hirschfield LS, et al. **Arch Pathol Lab Med** 1985 Oct;109(10):930-3

Uteruslike mass of the ovary: endomyometriosis or congenital malformation? A case with a discussion of histogenesis. Pueblitz-Peredo S, et al. **Arch Pathol Lab Med** 1985 Apr; 109(4):361-4

Prognostic variables in epithelial ovarian cancer: a review. Friedlander ML. **Aust NZ J Obstet Gynaecol** 1984 Nov; 24(4):256-61 (0 ref.)

Ovarian tumour xenografts in the study of the biology of human epithelial ovarian cancer. Friedlander ML, et al. **Br J Cancer** 1985 Mar;51(3):319-33

Complete psammomatous degeneration of the ovary. Case report. Schneider J, et al. **Br J Obstet Gynaecol** 1985 Apr; 92(4):419-22

A prospective trial of computed tomography in the staging of ovarian malignancy. Shiels RA, et al. **Br J Obstet Gynaecol** 1985 Apr;92(4):407-12

Mucinous tumors of the ovary. A clinicopathologic study of 70 cases. Chaitin BA, et al. **Cancer** 1985 May 1; 55(9):1958-62

Malignant degeneration of benign cystic teratomas of the ovary. Review of the literature and report of a chondrosarcoma and carcinoid tumor. Climie AR, et al. **Cancer** 1968 Oct;22(4):824-32

Microscopic disease at second-look laparotomy in advanced ovarian cancer. Copeland LJ, et al. **Cancer** 1985 Jan 15; 55(2):472-8

Endometrioid differentiation in ovarian sex cord tumor with annular tubules accompanied by gestagenic effect. Czernobilsky B, et al. **Cancer** 1985 Feb 15;55(4):738-44

Histologic grade and karyotype of immature teratoma of the ovary. Ihara T, et al. **Cancer** 1984 Dec 15;54(12):2988-94

Pulmonary metastases in ovarian cancer. Analysis of 357 patients. Kerr VE, et al. **Cancer** 1985 Sep 1;56(5):1209-13

Hepatic metastasis in granulosa cell tumor of the ovary. Margolin KA, et al. **Cancer** 1985 Aug 1;56(3):691-5

Insular carcinoid of ovary associated with malignant mucinous tumors. Robboy SJ. **Cancer** 1984 Nov 15; 54(10):2273-6

Ovarian Brenner tumors. I. Metaplastic, proliferating, and of low malignant potential. Roth LM, et al. **Cancer** 1985 Aug 1;56(3):582-91

Ovarian Brenner tumors. II. Malignant. Roth LM, et al. **Cancer** 1985 Aug 1;56(3):592-601

Retiform differentiation in ovarian Sertoli-Leydig cell tumors. A clinicopathologic study of six cases from a Gynecologic Oncology Group study. Roth LM, et al. **Cancer** 1985 Mar 1;55(5):1093-8

Argyrophil cells in the endometrioid carcinoma of the ovary. Ueda G, et al. **Cancer** 1984 Oct 15;54(8):1569-73

Characterization of a human ovarian adenocarcinoma line, IGROV1, in tissue culture and in nude mice. Bénard J, et al. **Cancer Res** 1985 Oct;45(10):4970-9

Comparative properties of five human ovarian adenocarcinoma cell lines. Buick RN, et al. **Cancer Res** 1985 Aug;45(8):3668-76

Potentiation of melphalan cytotoxicity in human ovarian cancer cell lines by glutathione depletion. Green JA, et al. **Cancer Res** 1984 Nov;44(11):5427-31

Characterization of a xenograft model of human ovarian carcinoma which produces ascites and intraabdominal carcinomatosis in mice. Hamilton TC, et al. **Cancer Res** 1984 Nov;44(11):5286-90

Primary ovarian sarcoma: a case report. Gupta OP, et al. **East Afr Med J** 1984 Oct;61(10):775-7

Effects of long-term treatment of human carcinoma cells with interferon alpha. Brouty-Boyé D, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):507-14

Androgenic juvenile granulosa cell tumour. Case report. Betta P, et al. **Eur J Gynaecol Oncol** 1985;6(1):71-4

Breast carcinoma metastasized in ovarian thecoma (a case report). De Rosa G, et al. **Eur J Gynaecol Oncol** 1985; 6(2):138-42

Our experience in the second look laparotomy for ovarian cancer. Montoneri C, et al. **Eur J Gynaecol Oncol** 1985; 6(2):145-6

CT analysis of ovarian tumors: correlations with laparoscopical and surgical findings. Pescarini L, et al. **Eur J Gynaecol Oncol** 1985;6(2):143-5

Dysgerminoma. A report of five cases. Vitoratos N, et al. **Eur J Gynaecol Oncol** 1985;6(1):53-6

Immature teratoma with gliomatosis peritonei associated with pregnancy. Hassan AA, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Oct;18(3):155-60

Functional cyst or ovarian cancer: histopathological findings during 1 year of surgery. Eriksson L, et al. **Gynecol Obstet Invest** 1985;19(3):155-9

Retroperitoneal metastatic spread of malignant Brenner tumor. Friedman M, et al. **Gynecol Obstet Invest** 1984; 18(5):234-7

Morphologic differentiation of human immature teratoma cell in vitro. Uehara S, et al. **Gynecol Obstet Invest** 1984; 18(2):57-65

Normal pregnancy and delivery following conservative surgery and chemotherapy for ovarian endodermal sinus tumor. Bakri YN, et al. **Gynecol Oncol** 1984 Oct;19(2):222-5

Development and characterization of a human ovarian cancer cell line which clones without agar in vitro. Clamon G, et al. **Gynecol Oncol** 1985 Jan;20(1):92-9

Primary mucinous adenocarcinoma of the appendix with bilateral Krukenberg tumors of the ovary and primary adenocarcinoma of the endometrium. De Graaff J, et al. **Gynecol Oncol** 1984 Nov;19(3):358-64

Sarcoma-like mural nodules combined with a microfocus of anaplastic carcinoma in mucinous ovarian tumor. Fujii S, et al. **Gynecol Oncol** 1985 Feb;20(2):219-33

Ovarian cancer complicated by cerebellar degeneration: a paraneoplastic syndrome. Hall DJ, et al. **Gynecol Oncol** 1985 Jun;21(2):240-6

Ovarian strumal carcinoid tumor with amyloid stroma—report of a case with 20-year follow-up. Morgan K, et al. **Gynecol Oncol** 1985 Sep;22(1):121-8

Malignant epithelial tumors of the ovary in childhood: a clinicopathological study of 13 cases in Great Britain 1962-1978. Morris HB, et al. **Gynecol Oncol** 1984 Nov; 19(3):290-7

Endodermal sinus tumor and embryonal carcinoma of the ovary in children. Morris HH, et al. **Gynecol Oncol** 1985 May;21(1):7-17

Epithelial ovarian neoplasms of low malignant potential. O'Quinn AG, et al. **Gynecol Oncol** 1985 Jun;21(2):177-85

Establishment of a new ovarian tumor line in nude mice and its application to treatment of the donor patient. Sawada M, et al. **Gynecol Oncol** 1985 Jul;21(3):320-30

Estrogen-producing Sertoli cell tumor of the ovary—a case report. Shalev E, et al. **Gynecol Oncol** 1984 Nov; 19(3):348-54

Colposcopic diagnosis of ovarian carcinoma spreading to cervix: a case report. Singh P, et al. **Gynecol Oncol** 1985 May;21(1):124-32

Sclerosing stromal tumor and bilateral teratomas: an unusual association. Valente PT, et al. **Gynecol Oncol** 1985 Jun; 21(2):252-9

Synchronous carcinomas of the uterine corpus and ovary. Zaino RJ, et al. **Gynecol Oncol** 1984 Nov;19(3):329-35

Unusual malignant neuroectodermal tumours of the ovary—case report and literature review. Burke M, et al. **Histopathology** 1984 Nov;8(6):1059-67

Benign endometrioid tumours of the ovary and the Müllerian concept of ovarian epithelial tumours. Hughesdon PE. **Histopathology** 1984 Nov;8(6):977-90

Metastatic and independent cancers of the endometrium and ovary: a clinicopathologic study of 34 cases. Ulbright TM, et al. **Hum Pathol** 1985 Jan;16(1):28-34

Clonal analysis of T lymphocytes isolated from ovarian carcinoma ascitic fluid. Phenotypic and functional characterization of T-cell clones capable of lysing autologous carcinoma cells. Ferrini S, et al. **Int J Cancer** 1985 Sep 15;36(3):337-43

Cell DNA content—correlation with clonogenicity in the human tumour cloning system (HTCS). Verheijen RH, et al. **Int J Cancer** 1985 May 15;35(5):653-7

Human endometrium and endometriotic tissue obtained simultaneously: a comparative histological study. Bergqvist A, et al. **Int J Gynecol Pathol** 1984;3(2):135-45

The second-look operation for ovarian neoplasms: a study of 85 cases emphasizing cytologic and histologic problems. Coffin CM, et al. **Int J Gynecol Pathol** 1985;4(2):97-109

Sertoli-Leydig cell tumor of the ovary [letter] Talerman A, et al. **Int J Gynecol Pathol** 1985;4(2):171-2

A mixed germ cell-sex cord-stromal tumor of the ovary with retiform tubular structure: a case report. Tokuoka S, et al. **Int J Gynecol Pathol** 1985;4(2):161-70

A rare malignant ovarian mixed germ cell tumor containing pancreatic tissue with islet cells. Ueda G, et al. **Int J Gynecol Pathol** 1984;3(2):220-31

Fibromatosis and massive edema of the ovary, possibly related entities: a report of 14 cases of fibromatosis and 11 cases of massive edema. Young RH, et al. **Int J Gynecol Pathol** 1984;3(2):153-78

Well-differentiated ovarian Sertoli-Leydig cell tumors: a clinicopathological analysis of 23 cases. Young RH, et al. **Int J Gynecol Pathol** 1984;3(3):277-90

Effectiveness of antineoplastic drugs on the proliferation of human mammary and ovarian carcinoma cells in monolayer culture. Hölzel F, et al. **J Cancer Res Clin Oncol** 1985; 109(3):217-26

Cloning ovarian carcinoma cells in an agar double layer versus a methylcellulose monolayer system. A comparison of two methods. Runge HM, et al. **J Cancer Res Clin Oncol** 1985;110(1):51-5

Trophectodermal carcinoma: mouse teratocarcinoma-derived tumour stem cells differentiating into trophoblastic and yolk sac elements. Damjanov I, et al. **J Embryol Exp Morphol** 1985 Apr;86:125-41

Ovarian tumors in a teenage primigravida. Walling AD, et al. **J Kans Med Soc** 1984 Sep;85(9):231-3, 250

False-positive subtraction scintigram of the parathyroid glands due to metastatic tumor. Punt CJ, et al. **J Nucl Med** 1985 Feb;26(2):155-6

Sex cord-stromal tumours of the ovary. Fox H. **J Pathol** 1985 Feb;145(2):127-48 (175 ref.)

Simultaneous presentation of a small-cell carcinoma involving the ovary and the uterine endometrium. Kristensen PB, et al. **J Submicrosc Cytol** 1985 Jan; 17(1):97-103

Ovarian androblastoma metastatic to tonsil. Bychkov V, et al. **J Surg Oncol** 1984 Dec;27(4):275-9

Ovarian teratoma with peritoneal and lymph node metastases of mature glial tissue: a benign condition. El Shafie M, et al. **J Surg Oncol** 1984 Sep;27(1):18-22

Clear cell ovarian adenocarcinoma. Yoonessi M, et al. **J Surg Oncol** 1984 Dec;27(4):289-97

Primary malignant melanoma in an ovarian cystic teratoma. A case report and literature review. Parekh MA. **Mo Med** 1985 Jan;82(1):18-20

Ovarian sex cord tumor with annular tubules: histo-pathological analysis. Ikarashi T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Apr;37(4):673-6

Benign cystic teratoma of ovary containing a homunculus.

Inoue M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):1050–3
Metachronous multiprimary carcinomas of the ovary and endometrium. Miyamoto U, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct;36(10):1975–6
Clinicopathologic investigation of ovarian endometriosis: a comparative study of cystic and non-cystic types. Tsukahara Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 May;37(5):751–7
Leiomyosarcoma of the ovary. Reddy SA, et al. **NY State J Med** 1985 May;85(5):218–20
Stage II benign cystic teratoma with malignant squamous degeneration. Seltzer V, et al. **NY State J Med** 1985 May;85(5):224–5
Choriocarcinoma of the ovary. Axe SR, et al. **Obstet Gynecol** 1985 Jul;66(1):111–4
Malignant mixed mesodermal tumor of the ovary: a report of 22 cases. Dictor M. **Obstet Gynecol** 1985 May;65(5):720–4
Misstaging of ovarian cancer. McGowan L, et al. **Obstet Gynecol** 1985 Apr;65(4):568–72
Multifocal disease in the upper genital canal. Woodruff JD, et al. **Obstet Gynecol** 1985 May;65(5):695–8
A new human ovarian carcinoma cell line: establishment and analysis of tumor-associated markers. Horowitz AT, et al. **Oncology** 1985;42(5):332–7
Dental structures in benign ovarian cystic teratomas (dermoid cysts). A study of ten cases with a review of the literature. Dick HM, et al. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):299–307
An unusual tumor of the ovary. Genton CY. **Pathol Res Pract** 1984 Sep;179(1):110–4
Immature teratomas of childhood. Report of 21 cases. Harms D, et al. **Pathol Res Pract** 1985 Jan;179(3):388–400
Primary nongestational choriocarcinoma of the ovary. Raju GC, et al. **Postgrad Med J** 1985 Aug;61(718):757–8
Direct cloning of human ovarian cancer in soft agar: clinical limitations and pharmacologic applications. Ozols RF, et al. **Recent Results Cancer Res** 1984;94:41–50
Prevalence of primary papillary peritoneal neoplasia in patients with ovarian carcinoma. Lindeque BG, et al. **S Afr Med J** 1985 Jun 22;67(25):1005–7
Ependymal cyst of the ovary. A case report. Tiltman AJ. **S Afr Med J** 1985 Sep 14;68(6):424–5
Staging and surgical evaluation of ovarian cancer. Buchsbaum HJ, et al. **Semin Oncol** 1984 Sep;11(3):227–37 (51 ref.)
Coexisting adenocarcinoma and cystadenofibroma (malignant cystadenofibroma) of the ovary. Saffos RO, et al. **South Med J** 1985 Apr;78(4):478–81
Accuracy of the double contrast enema in evaluation of the abdominal diffusion of ovarian carcinoma. Cozzi G, et al. **Tumori** 1985 Jun 30;71(3):301–4
[A rarely encountered formation simulating an ovarian tumor] Ganchev S, et al. **Akush Ginekol (Sofiia)** 1985;24(1):95–8 (Eng. Abstr.) **(Bul)**
[Pathological analysis of 1726 cases of ovarian tumors] Chen CF. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):76–8, 125 (Eng. Abstr.) **(Chi)**
[Endometrioid carcinoma of the ovary--report of 10 cases] Li ZX. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Oct;19(4):243–5 **(Chi)**
[Recurrent immature ovarian teratoma in the liver and lung--with an analysis of 11 cases] Lian LJ. **Chung Hua I Hsueh Tsa Chih** 1984 Dec;64(12):732–4, 790 (Eng. Abstr.) **(Chi)**
[Granulosa cell tumor. A case with primary peritoneal carcinosis and recurrence after 24 years] Asschenfeldt P, et al. **Ugeskr Laeger** 1984 Jun 25;146(26):1938 (Eng. Abstr.) **(Dan)**
[Cells affected by apoptosis in effusions of tumor origin in man] Gotzos V, et al. **Ann Pathol** 1984 Jun–Aug;4(3):217–21 (Eng. Abstr.) **(Fre)**
[Comparison of macroscopic descriptions of ovarian tumors by the ultrasonographist and pathologist] Lévi S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(3):246–9 **(Fre)**
[Borderline tumors of the ovary. New aspects on morphologic prognosis determination] Dietel M, et al. **Geburtshilfe Frauenheilkd** 1985 Apr;45(4):213–9 (Eng. Abstr.) **(Ger)**
[Morphological prognosis factors in ovarian carcinoma] Stegner HE. **Geburtshilfe Frauenheilkd** 1985 Jul;45(7):425–30 (30 ref.) (Eng. Abstr.) **(Ger)**
[Grading of epithelial ovarian cancers] Schulz BO, et al. **Geburtshilfe Fraunheilkd** 1985 Jan;45(1):11–6 (Eng. Abstr.) **(Ger)**
[Case of XY-type gonadal dysgenesis with the development of bilateral gonadoblastomas] Wolke P, et al. **Zentralbl Gynakol** 1984;106(14):1025–7 (Eng. Abstr.) **(Ger)**
[Serous borderline ovarian tumors] Zipprich K, et al. **Zentralbl Gynakol** 1985;107(3):159–68 (Eng. Abstr.) **(Ger)**
[Solid ovarian teratoma] Szekeres G, et al. **Morphol Igazsagugyi Orv Sz** 1985 Jan;25(1):35–8 (Eng. Abstr.) **(Hun)**
[Epidermoid cysts of the ovary] Carinelli SG, et al. **Ann Ostet Ginecol Med Perinat** 1985 Jan–Feb;106(1):43–7 (Eng. Abstr.) **(Ita)**
[Mixed germ cell tumors of the ovary. Clinical and anatomopathologic analysis of 3 cases of mixed tumors composed of dysgerminoma and endodermal sinus tumor treated at the Mangiagalli Clinic 1970–1979] Carinelli SG, et al. **Ann Ostet Ginecol Med Perinat** 1984 May–Jun;105(3):143–8 (Eng. Abstr.) **(Ita)**
[Dysgerminoma of the ovary. Clinical and anatomopathologic analysis of 11 cases treated at the Mangiagalli Clinic 1970–1979] Carinelli SG, et al. **Ann Ostet Ginecol Med Perinat** 1984 May–Jun;105(3):161–70 (Eng. Abstr.) **(Ita)**
[Rare case of gonadoblastoma, in mixed gonadal dysgenesis. Unusual morphologic aspects] Borrelli D, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2–3):215–28 **(Ita)**
[Multiple neoplastic combinations in the aged. Case contribution] Pupillo M, et al. **Minerva Med** 1985 Apr 28;76(17–18):859–64 (Eng. Abstr.) **(Ita)**
[Microfollicular thyroid adenoma in ovarian stroma. Description of a case] Lanzafame S, et al. **Pathologica** 1984 May–Jun;76(1043):409–12 (Eng. Abstr.) **(Ita)**
[Benign teratoma in a supernumerary ovary] Scalia L, et al. **Pathologica** 1984 Sep–Oct;76(1045):627–30 (Eng. Abstr.) **(Ita)**
[An autopsy case of primary malignant melanoma of the ovary] Fujiwara M, et al. **Gan No Rinsho** 1985 Apr;31(4):441–8 (Eng. Abstr.) **(Jpn)**
[Transformation of ovarian yolk sac tumor to immature teratoma following chemotherapy] Ihara T, et al. **Gan No Rinsho** 1985 May;31(5):576–81 (Eng. Abstr.) **(Jpn)**
[Adenosquamous carcinoma arising in a dermoid cyst (benign cystic teratoma) of the ovary--a case report] Irie J, et al. **Gan No Rinsho** 1984 Nov;30(14):1840–4 (Eng. Abstr.) **(Jpn)**
[A case of ovarian carcinoma preceded by intracranial metastasis] Naito A, et al. **Gan No Rinsho** 1984 Nov;30(14):1835–9 (Eng. Abstr.) **(Jpn)**
[An extremely rare autopsy case of cardiac liposarcoma and Brenner tumor] Suzuki T, et al. **Gan No Rinsho** 1985 Apr;31(4):434–40 (Eng. Abstr.) **(Jpn)**
[In vitro sensitivity test of a cultured human ovarian cancer cell line to anticancer agents] Fujiya S, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):1080–7 (Eng. Abstr.) **(Jpn)**
[Chemotherapy testing for human ovarian cancer using in vitro colony assay] Inoue K. **Gan To Kagaku Ryoho** 1985 Aug;12(8):1593–8 (Eng. Abstr.) **(Jpn)**
[The pathology of germ cell tumors of the ovary] Ishikawa E. **Gan To Kagaku Ryoho** 1984 Dec;11(12 Pt 1):2479–88 (Eng. Abstr.) **(Jpn)**
[Correlation between cell cycle and cell morphology of RKN cells] Nozawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Aug;36(8):1213–22 (Eng. Abstr.) **(Jpn)**
[Tumor formation in the spinal cord and genital organs in hematological remission in a patient with acute non-lymphocytic leukemia] Horikoshi H, et al. **Rinsho Ketsueki** 1985 Mar;26(3):436–41 (Eng. Abstr.) **(Jpn)**
[Struma ovarii and strumal carcinoid] Vasilev N, et al. **Arkh Patol** 1984;46(8):29–34 (Eng. Abstr.) **(Rus)**
[Malignant tumors of the ovaries in young people] Shuvaeva NI, et al. **Sov Med** 1984;(11):25–31 (Eng. Abstr.) **(Rus)**
[Long-term symptomless course of struma ovarii] Iusupov KA, et al. **Vestn Khir** 1984 Dec;133(12):44–5 **(Rus)**
[Characteristics of the dissemination process in patients with serous cystadenocarcinoma of the ovaries] Dzhilavian GA. **Vopr Onkol** 1984;30(8):83–6 (Eng. Abstr.) **(Rus)**
[The role of the structural characteristics of ovarian dysgerminoma in its prognosis] Karseladze AI, et al. **Vopr Onkol** 1985;31(4):60–6 (Eng. Abstr.) **(Rus)**
[Malignant thecoma with extensive metastasis (a case report)] Povzun SA. **Vopr Onkol** 1985;31(3):99–101 **(Rus)**
[The degree of differentiation and the clinical course of ovarian cancer] Vinokurov VL, et al. **Vopr Onkol** 1985;31(3):55–63 (Eng. Abstr.) **(Rus)**
[Serous cystadenoma ovarii permagnum] Lanyi E, et al. **Cesk Gynekol** 1985 Jul;50(6):419–21 **(Slo)**
[Tumors of the ovary] González Calzada GJ, et al. **Ginecol Obstet Mex** 1983 Mar;51(311):55–60 (Eng. Abstr.) **(Spa)**
[Endometriosis in adolescence] González González CF, et al. **Ginecol Obstet Mex** 1984 Dec;52(332):305–6 (Eng. Abstr.) **(Spa)**
[Primary chondroma of the ovary. Report of a case] Ramos Martínez E, et al. **Ginecol Obstet Mex** 1983 Apr;51(312):95–8 (Eng. Abstr.) **(Spa)**
[Anatomo-clinical correlation of ovarian tumors] Valenzuela M, et al. **Ginecol Obstet Mex** 1983 Sep;51(317):253–7 (Eng. Abstr.) **(Spa)**
[Cancer of the ovary and pregnancy. A clinical case] Cabrera J, et al. **Rev Chil Obstet Ginecol** 1984;49(5):312–5 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Endocrine studies on ovarian androblastomas (Sertoli-Leydig tumors). Munemura M, et al. **J Endocrinol Invest** 1984 Dec;7(6):615–22
Differential adhesion of tumor cells to capillary endothelial cells in vitro. Alby L, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5739–43
[Coexistence of a giant ovarian tumor and full-term pregnancy] Mazurek W, et al. **Ginekol Pol** 1984 Apr;55(4):293–4 (Eng. Abstr.) **(Pol)**
[Radioimmunoassay in the evaluation of the hormonal state of patients with malignant tumors of the female genitalia] Savinskaia AP. **Med Radiol (Mosk)** 1984 Nov;29(11):12–5 (Eng. Abstr.) **(Rus)**
[Age-related characteristics of tumor development in ovaries transplanted into the rat spleen] Anisimov VN, et al. **Vopr Onkol** 1984;30(9):85–90 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Peritoneal carcinomatosis after prophylactic oophorectomy in familial ovarian cancer syndrome. Chen KT, et al. **Obstet Gynecol** 1985 Sep;66(3 Suppl):93S–94S
[So-called preventive ovarectomy] Kürzl R, et al. **Geburtshilfe Fraunheilkd** 1985 Feb;45(2):115–8 (Eng. Abstr.) **(Ger)**
[Cancer of the ovary in patients with previous ovarian preservation] Yazigi R. **Rev Chil Obstet Ginecol** 1982;47(4):236–41 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Computed tomography of Krukenberg tumors. Cho KC, et al. **AJR** 1985 Aug;145(2):285–8
The role of CT in the evaluation of ovarian malignancy. Amendola MA. **CRC Crit Rev Diagn Imaging** 1985;24(4):329–68 (120 ref.)
Calcified intraperitoneal and mediastinal implants in malignant ovarian teratoma. Miller DL, et al. **J Can Assoc Radiol** 1984 Jun;35(2):217–9
Direct multiplanar CT findings in cystic teratoma of the ovary. Feldberg MA, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1131–5
Computed tomography of benign ovarian masses. Sawyer RW, et al. **J Comput Assist Tomogr** 1985 Jul–Aug;9(4):784–9
Value of computed tomography in treatment planning and follow-up of dysgerminoma. Pollack J, et al. **NY State J Med** 1984 Dec;84(12):621–2
Abdominopelvic computed tomography: evaluation in patients undergoing second-look laparotomy for ovarian carcinoma. Brenner DE, et al. **Obstet Gynecol** 1985 May;65(5):715–9
[X-ray CT in the evaluation of gynecologic tumor] Suzuki M. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Sep;36(9):1407–8 **(Jpn)**
[Usefulness of angiographic studies in neoplastic processes in the small pelvis] Szymański W, et al. **Ginekol Pol** 1984 May;55(5):339–44 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Radionuclide imaging of ovarian tumours with 123I-labelled monoclonal antibody (NDOG2) directed against placental alkaline phosphatase. Davies JO, et al. **Br J Obstet Gynaecol** 1985 Mar;92(3):277–86
Clinical implications for immunoscintigraphy in patients with ovarian malignancy: a preliminary study using monoclonal antibody 791T/36. Symonds EM, et al. **Br J Obstet Gynaecol** 1985 Mar;92(3):270–6
123I radioiodinated antibody imaging of occult ovarian cancer. Epenetos AA, et al. **Cancer** 1985 Mar 1;55(5):984–7
Benign Brenner tumor of the ovary detected on Tc-99m methylene diphosphonate bone scan. Renner JB, et al. **Clin Nucl Med** 1984 Nov;9(11):643–5
131I uptake in a benign serous cystadenoma of the ovary. Kim EE, et al. **Eur J Nucl Med** 1984;9(9):433–5
Ovarian cancer: diagnosis using 123I monoclonal antibody in comparison with surgical findings. Granowska M, et al. **Nucl Med Commun** 1984 Aug;5(8):485–99
[Radionuclide diagnosis of ovarian tumors] Korsunskiĭ VN, et al. **Med Radiol (Mosk)** 1985 Jan;30(1):16–9 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Changes in lymphoid cell distribution after intraperitoneal administration of 32P colloids. Onsrud M, et al. **Acta Radiol [Oncol]** 1985 Jul–Aug;24(4):331–5
Abdominopelvic radiotherapy in ovarian cancer. A 10-year experience. Dembo AJ. **Cancer** 1985 May 1;55(9 Suppl):2285–90
Radiation survival parameters of antineoplastic drug-sensitive and -resistant human ovarian cancer cell lines and their modification by buthionine sulfoximine. Louie KG, et al. **Cancer Res** 1985 May;45(5):2110–5
Complications from intraperitoneal radioactive phosphorus in ovarian malignancies. Bakri YN, et al. **Gynecol Oncol** 1985 Jul;21(3):294–9
Whole abdominal and pelvic irradiation in patients with minimal disease at second-look surgical reassessment for ovarian carcinoma. Hoskins WJ, et al. **Gynecol Oncol** 1985 Mar;20(3):271–80
Dose estimation to the infant from breast milk following intraperitoneal administration of chromic phosphate 32P for the treatment of early ovarian cancer. Sharma SC, et al. **Health Phys** 1984 Sep;47(3):452–4
Salvage radiotherapy for carcinoma of the ovary [letter] Levin W, et al. **Int J Radiat Oncol Biol Phys** 1985 May;11(5):1061
Analysis of 'time to second primary' in patients with gynecological cancers. Koch M, et al. **J Chronic Dis** 1985;

38(5):443-7

The place of radiation therapy in the cure of patients with ovarian cancer. Bush RS. **J Clin Oncol** 1985 Jul;3(7):897-8

Postoperative radiation therapy for epithelial ovarian cancer: the curative role based on a 24-year experience. Martinez A, et al. **J Clin Oncol** 1985 Jul;3(7):901-11

Whole abdominal radiation as salvage therapy for epithelial ovarian cancer. Hacker NF, et al. **Obstet Gynecol** 1985 Jan;65(1):60-6

REHABILITATION

[Medical rehabilitation of patients with ovarian tumors] Mitrokhina MV. **Vopr Onkol** 1984;30(12):50-6 (Eng. Abstr.) **(Rus)**

SECONDARY

Late ovarian metastases in carcinoma of the colon and rectum. Morrow M, et al. **Arch Surg** 1984 Dec;119(12):1385-8

Ovarian metastases from cancer of the lung: problems in interpretation--a report of seven cases. Young RH, et al. **Gynecol Oncol** 1985 Jul;21(3):337-50

Appendiceal carcinoma metastatic to the ovaries and mimicking primary ovarian tumors. Merino MJ, et al. **Int J Gynecol Pathol** 1985;4(2):110-20

Long survival after ovarian and hepatic metastasis from carcinoma of the large bowel: report of a case. Herrera-Ornelas L, et al. **J Surg Oncol** 1984 Nov;27(3):196-8

Primary small bowel adenocarcinoma presenting as a malignant ovarian neoplasm. Gallup DG, et al. **Milit Med** 1985 Feb;150(2):105-6

Progesterone production in adenocarcinoma of the colon metastatic to the ovaries. Jolles CJ, et al. **Obstet Gynecol** 1985 Jun;65(6):853-7

Krukenberg tumor of the ovary from an occult appendiceal primary: case report and literature review. Thomas R, et al. **Obstet Gynecol** 1985 Mar;65(3 Suppl):95S-98S

Ovarian metastases: computed tomographic appearances. Megibow AJ, et al. **Radiology** 1985 Jul;156(1):161-4

[Metastatic ovarian carcinoma from a primary lesion in the gastrointestinal tract--an analysis of 20 cases] Lin ZR. **Chung Hua Chung Liu Tsa Chih** 1985 Jan;7(1):67-9 (Eng. Abstr.) **(Chi)**

[Metastatic breast cancer with involvement of the bone marrow, uterus and ovaries. A case report on diagnostic and therapeutic procedures] Beck T, et al. **Geburtshilfe Frauenheilkd** 1985 May;45(5):322-5 (Eng. Abstr.) **(Ger)**

[CT findings of metastatic ovarian tumors] Miyake H, et al. **Rinsho Hoshasen** 1985 Jan;30(1):55-9 (Eng. Abstr.) **(Jpn)**

[Metastasis of breast cancer to inguinal lymph nodes and ovaries] Dymarskiĭ LIu, et al. **Vestn Khir** 1985 Feb;134(2):59-60 **(Rus)**

SECRETION

Arrested puberty associated with a Sertoli-Leydig cell tumor. Kelly AC, et al. **Am J Obstet Gynecol** 1985 Jun 1;152(3):308-9

Endometrial 'sarcomas' complicating ovarian thecoma, polycystic ovarian disease and estrogen therapy. Press MF, et al. **Gynecol Oncol** 1985 Jun;21(2):135-54

Progesterone secreting Sertoli cell tumor of the ovary. Tracy SL, et al. **Gynecol Oncol** 1985 Sep;22(1):85-96

Androgen-secreting ovarian tumors in postmenopausal women. Ober WB. **J Med Soc NJ** 1984 Oct;81(10):878-83

[Development of endometrial cancer in a case of estrogen producing granulosa cell tumor] Andersen J, et al. **Ugeskr Laeger** 1984 May 21;146(21):1571 (Eng. Abstr.) **(Dan)**

[Detection of secretory immunoglobulin A (S-IgA) and secretory component (SC) in cystic fluids from ovarian tumors and ovarian cysts] Briese V, et al. **Arch Geschwulstforsch** 1985;55(3):197-202 (Eng. Abstr.) **(Ger)**

[Virilism syndrome in a girl with ovarian teratoma] Kuznetosva ES, et al. **Pediatriia** 1984 Sep;(9):75-7 **(Rus)**

SURGERY

Ovarian tumors in pregnancy. Struyk AP, et al. **Acta Obstet Gynecol Scand** 1984;63(5):421-4

Second-look laparotomy in ovarian cancer: evaluation of pathologic variables. Podratz KC, et al. **Am J Obstet Gynecol** 1985 May 15;152(2):230-8

Palliative exenteration--what, when, and why? Stanhope CR, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):12-6

Ovarian cysts and tumours in infancy and childhood. Shawis RN, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):17-9

The role of cytoreductive surgery in advanced carcinoma of the ovary: an analysis of primary and second surgery. Wiltshaw E, et al. **Br J Obstet Gynaecol** 1985 May;92(5):522-7

Benign cystic teratoma of the ovary: a 6-year review. Lakkis WG, et al. **Can J Surg** 1985 Sep;28(5):444-6

Prognosis of surgically determined complete responders in advanced ovarian cancer. Gershenson DM, et al. **Cancer** 1985 Mar 1;55(5):1129-35

'Second-effort' surgical resection for bulky ovarian cancer. Vogl SE, et al. **Cancer** 1984 Nov 15;54(10):2220-5

Microsurgery of endometriosis in infertile patients. Gordts S, et al. **Fertil Steril** 1984 Oct;42(4):520-5

The second-look surgical reassessment for epithelial ovarian carcinoma. Barnhill DR, et al. **Gynecol Oncol** 1984 Oct;19(2):148-54

Assessment of morbidity and mortality in primary cytoreductive surgery for advanced ovarian carcinoma. Chen SS, et al. **Gynecol Oncol** 1985 Feb;20(2):190-5

Dystocia due to impacted dysgerminoma. Ojha J, et al. **J Indian Med Assoc** 1984 May;82(5):173-5

Coexistent benign teratomas of the omentum and ovary. A case report. Compton AA, et al. **J Reprod Med** 1985 Mar;30(3):209-10

Surgical management of endometriosis with the carbon dioxide laser. Bellina JH, et al. **Microsurgery** 1984;5(4):197-201

Conservative treatment of borderline ovarian tumors. Tazelaar HD, et al. **Obstet Gynecol** 1985 Sep;66(3):417-22

[Ovary dysgerminoma] Wang ZH, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):79-80, 125-6 (Eng. Abstr.) **(Chi)**

[Ovarian cancer 5 years after hysterectomy with adnexectomy for a benign lesion. Apropos of a case] Marouteau D. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(2):201-3 (Eng. Abstr.) **(Fre)**

[General conservative operation in malignant ovarian tumors of the stage Ia (T1aN0M0)] Buchholz K, et al. **Zentralbl Gynakol** 1985;107(3):179-83 (Eng. Abstr.) **(Ger)**

[Postoperative radio- and/or chemotherapy in ovarian stage III cancers. Results of a prospective randomized study] Richter P, et al. **Zentralbl Gynakol** 1985;107(4):237-44 (Eng. Abstr.) **(Ger)**

[Treatment results of patients with granulosa and theca cell tumors and their mixed forms] Windelband M. **Zentralbl Gynakol** 1985;107(7):418-23 (Eng. Abstr.) **(Ger)**

[Use of the appendix in the reconstruction of ureteral continuity in an unusual clinical case of advanced-stage ovarian carcinoma] Scarabelli C, et al. **Minerva Ginecol** 1985 Jan-Feb;37(1-2):57-60 (Eng. Abstr.) **(Ita)**

[Splenectomy in the radical surgical treatment of ovarian carcinoma] Scarabelli C, et al. **Minerva Ginecol** 1985 Jan-Feb;37(1-2):37-41 (Eng. Abstr.) **(Ita)**

[Evaluation of the second-look operation in the management of carcinoma of the ovary] Yakushiji M, et al. **Nippon Gan Chiryo Gakkai Shi** 1985 Feb 20;20(1):129-38 (Eng. Abstr.) **(Jpn)**

[Management of endometriosis of adnexa uteri in women of reproductive age] Semczuk M, et al. **Ginekol Pol** 1984 Nov;55(11):837-40 (Eng. Abstr.) **(Pol)**

[Blood coagulation changes during surgical treatment of patients with ovarian cancer] Kudriavtseva LI, et al. **Akush Ginekol (Mosk)** 1984 Nov;(11):42-4 **(Rus)**

[Conservative treatment of thecoma. Presentation of a case] Bernal Bastidas S, et al. **Ginecol Obstet Mex** 1984 Jun;52(326):161-4 (Eng. Abstr.) **(Spa)**

THERAPY

The bleak outlook on ovarian cancer. Dugan KK. **Am J Nurs** 1985 Feb;85(2):144-7

Human lymphoblastoid interferon in the treatment of advanced epithelial ovarian malignancies: a Gynecologic Oncology Group Study. Abdulhay G, et al. **Am J Obstet Gynecol** 1985 Jun 15;152(4):418-23

Ovarian cancer: diagnosis and management. Barber HR. **Am J Obstet Gynecol** 1984 Dec 15;150(8):910-6

Intraperitoneal immunotherapy of epithelial ovarian carcinoma with Corynebacterium parvum. Berek JS, et al. **Am J Obstet Gynecol** 1985 Aug 15;152(8):1003-10

Second-look laparotomy after chemotherapy in the management of ovarian malignancy. Smirz LR, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):661-8

Germ cell tumours in younger patients. Hudson CN, et al. **Aust NZ J Obstet Gynaecol** 1984 May;24(2):143-6 (22 ref.)

King George V Memorial Hospital, Sydney-Ovarian Cancer Programme (1978-1982). Solomon HJ, et al. **Aust NZ J Obstet Gynaecol** 1985 Feb;25(1):25-9

The integration of surgery, radiotherapy and chemotherapy in the treatment of advanced gynaecological cancer. Tattersall MH. **Aust NZ J Obstet Gynaecol** 1984 May;24(2):158-61 (11 ref.)

Ovarian carcinoma. A decade of progress. Piver MS. **Cancer** 1984 Dec 1;54(11 Suppl):2706-15 (22 ref.)

Intraperitoneal administration of interferon beta in ovarian cancer patients. Rambaldi A, et al. **Cancer** 1985 Jul 15;56(2):294-301

Multimodal approach (surgery, chemotherapy, and radiotherapy) in the treatment of advanced ovarian carcinoma. Steiner M, et al. **Cancer** 1985 Jun 15;55(12):2748-52

Synergistic effects of combination sequential immunotherapies in a murine ovarian cancer model. Berek JS, et al. **Cancer Res** 1985 Sep;45(9):4215-8

Intraperitoneal recombinant alpha-interferon for 'salvage' immunotherapy in stage III epithelial ovarian cancer: a Gynecologic Oncology Group Study. Berek JS, et al. **Cancer Res** 1985 Sep;45(9):4447-53

Role of inflammatory neutrophils in antitumor effects induced by intraperitoneal administration of Corynebacterium parvum in mice. Lichtenstein AK, et al. **Cancer Res** 1984 Nov;44(11):5118-23

Anti-transferrin receptor antibody linked to Pseudomonas exotoxin as a model immunotoxin in human ovarian carcinoma cell lines. Pirker R, et al. **Cancer Res** 1985 Feb;45(2):751-7

Recombinant leukocyte alpha interferon in advanced ovarian carcinoma. Niloff JM, et al. **Cancer Treat Rep** 1985 Jul-Aug;69(7-8):895-6

Rejection of murine ovarian cancer following treatment with regional immunotherapy: correlations with a neutrophil-mediated activation of cytostatic macrophages. Lichtenstein A. **Cell Immunol** 1985 Sep;94(2):521-35

Current management of epithelial carcinoma of the ovary. Zucker PK, et al. **Compr Ther** 1985 May;11(5):52-9

Pelvic irradiation plus adriamycin and cyclophosphamide in selected patients with epithelial ovarian carcinoma: a phase II study of the Northern California Oncology Group. Ballon SC, et al. **Gynecol Oncol** 1984 Nov;19(3):278-83

Five-year survival following combination radiotherapy and chemotherapy for recurrent mixed mesodermal sarcoma of the ovary. Carlson JA Jr, et al. **Gynecol Oncol** 1985 Sep;22(1):129-32

Importance of ultrasonography in the follow-up of patients treated for ovarian carcinoma. Juhász B, et al. **Int J Gynaecol Obstet** 1984 Oct;22(5):349-55

Activation of peritoneal lymphocyte cytotoxicity in patients with ovarian cancer by intraperitoneal treatment with Corynebacterium parvum. Lichtenstein A, et al. **J Biol Response Mod** 1984 Aug;3(4):371-8

Common epithelial cancer of the ovary [letter] **N Engl J Med** 1985 Jun 20;312(25):1639-40

Common epithelial cancer of the ovary (2). Richardson GS, et al. **N Engl J Med** 1985 Feb 21;312(8):474-83 (67 ref.)

Epithelial ovarian carcinoma of low malignant potential. Barnhill D, et al. **Obstet Gynecol** 1985 Jan;65(1):53-9

Clinically localized ovarian cancer. Progress in management. Piver MS, et al. **Postgrad Med** 1985 Mar;77(4):119-22, 124-6

The sequential multiple modality treatment of ovarian cancer. Dembo AJ. **Radiother Oncol** 1985 Apr;3(3):187-92 (32 ref.)

Combined modality treatment for stage III ovarian carcinoma. Rizel S, et al. **Radiother Oncol** 1985 Apr;3(3):237-44

Radiotherapeutic management of ovarian cancer. Dembo AJ. **Semin Oncol** 1984 Sep;11(3):238-50 (32 ref.)

Management of germ cell and stromal tumors of the ovary. Slayton RE. **Semin Oncol** 1984 Sep;11(3):299-313 (100 ref.)

Ovarian cancer treatment: progress or paralysis? Young RC. **Semin Oncol** 1984 Sep;11(3):327-9

[Long-term therapeutic results and causes of death in malignant ovarian tumors] Wei YH. **Chung Hua Chung Liu Tsa Chih** 1984 Nov;6(6):459-61 (Eng. Abstr.) **(Chi)**

[Dysgerminoma of the ovary (analysis of 17 cases)] Gao Q. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jan;20(1):41-2 **(Chi)**

[Factors related to the therapeutic responses of ovarian malignancies] Gu MJ. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):68-71, 125 (Eng. Abstr.) **(Chi)**

[DACOVA. A multicenter study of ovarian cancer] Bertelsen K. **Ugeskr Laeger** 1985 Jan 7;147(2):77-80 (Eng. Abstr.) **(Dan)**

[Epithelial ovarian cancer. Recent aspects in treatment] Jakobsen A. **Ugeskr Laeger** 1985 Jan 7;147(2):81-6 (Eng. Abstr.) **(Dan)**

[Acute cardiac failure precipitated by anesthesia and surgery in patients treated with adriamycin] Jonsson T, et al. **Ugeskr Laeger** 1984 Dec 3;146(49):3837-9 (Eng. Abstr.) **(Dan)**

[Preoperative chemotherapy of ovarian cancer in anesthesia and resuscitation] Ranchère JY, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):5-9 (Eng. Abstr.) **(Fre)**

[Primary pseudo-ovarian peritoneal carcinosis. 4 cases] Colbert N, et al. **Presse Med** 1985 Mar 30;14(13):725-7 (Eng. Abstr.) **(Fre)**

[Initial chemotherapy of advanced cancer of the ovary. Comparison of the results obtained using the combination of adriamycin and cisplatin and the earlier therapeutic modalities] de Gramont A, et al. **Union Med Can** 1984 Jul;113(7):610-3 (Eng. Abstr.) **(Fre)**

[Importance of clinically prognostic factors in the treatment of advanced ovarian carcinoma] Albrecht M, et al. **Geburtshilfe Frauenheilkd** 1985 Jul;45(7):482-7 (Eng. Abstr.) **(Ger)**

[Value of irrigoscopy and computed tomography in the detection of recurrent gynecologic tumors] Schratter M, et al. **Rontgenpraxis** 1985 Mar;38(3):96-100 **(Ger)**

[Treatment of ovarian cancer with combined operative, radiologic and cytostatic therapy] Ullrich D, et al. **Zentralbl Gynakol** 1985;107(10):628-33 (Eng. Abstr.) **(Ger)**

[Clinical study of recombinant interferon alpha-2 (Sch 30500) in advanced gynecological cancers] Kasamatsu T, et al. **Gan To Kagaku Ryoho** 1985 Aug;12(8):1656-60 (Eng. Abstr.) **(Jpn)**

[Analytical studies on the treatment of adenocarcinoma of the ovary] Matsumoto Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 May 20;19(4):778-88 (Eng. Abstr.) **(Jpn)**

[Treatment of stage I and II ovarian cancer (interim report of intraperitoneal chemotherapeutic perfusion and postoperative prophylactic intracavitary irradiation)]

Hirabayashi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jan;37(1):38–44 (Eng. Abstr.) **(Jpn)**

[Assessment of cases with ovarian cancer stage I] Nishimura H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb; 37(2):213–9 (Eng. Abstr.) **(Jpn)**

[Pregnancy following removal and chemotherapy of malignant mixed germ cell tumor of the ovary] Saito J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun; 37(6):1042–5 **(Jpn)**

[Clinical trial of interferon in gynecologic cancers] Sekiya S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jul; 37(7):1241–3 **(Jpn)**

[Non-surgical treatment of ovarian cancer] Iversen T. **Tidsskr Nor Laegeforen** 1984 Oct 10;104(28):1961–4 (Eng. Abstr.) **(Nor)**

[Treatment of malignant ovarian neoplasms derived from germinal cords and germinal epithelium at the Lódź Oncological Center 1970–1974] Sekowski A, et al. **Ginekol Pol** 1984 Jun;55(6):415–9 (Eng. Abstr.) **(Pol)**

[Yolk sac tumors in children] Shabanov MA, et al. **Pediatriia** 1985 Mar;(3):53–5 **(Rus)**

[Current possibilities of the diagnosis and treatment of malignant ovarian tumors and trends in the development of the problem] Nechaeva ID. **Vopr Onkol** 1984; 30(12):67–74 **(Rus)**

[Sequence of using the components of combined treatment in stage III and IV ovarian cancer patients and late treatment results] Zadontseva NS. **Vopr Onkol** 1985; 31(7):68–72 (Eng. Abstr.) **(Rus)**

[Dysgerminoma of the ovary. Retrospective review of 51 cases] Ayala Hernández JR, et al. **Ginecol Obstet Mex** 1984 Nov;52(331):263–6 (Eng. Abstr.) **(Spa)**

[Malignant epithelial neoplasms of the ovary. Analysis of 242 cases] Torres Lobatón A, et al. **Ginecol Obstet Mex** 1983 May;51(313):111–20 (Eng. Abstr.) **(Spa)**

[Malignant germ cell neoplasms of the ovary. Experience with 40 cases] Torres Lobatón A, et al. **Ginecol Obstet Mex** 1983 Oct;51(318):259–66 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

The ultrastructure of metastatic adenocarcinoma in serous fluids. An aid in identification of the primary site of the neoplasm. Hanna W, et al. **Acta Cytol (Baltimore)** 1985 May–Jun;29(3):202–10

The nature of 'blue nevus' in cystic teratomas of the ovary. An ultrastructural evidence for Schwann cell origin. Kudo M. **Acta Pathol Jpn** 1985 May;35(3):693–8

Histology, ultrastructure, and immunohistochemistry of strumal carcinoid: a case report. Senterman MK, et al. **Int J Gynecol Pathol** 1984;3(2):232–40

Ultrastructural features of primary trabecular carcinoid tumor of the ovary. Talerman A, et al. **Int J Gynecol Pathol** 1985;4(2):153–60

Immunoelectronmicroscopic demonstration of surface tumor antigen Ca 125. Blaustein A. **Ultrastruct Pathol** 1984; 7(1):9–11

An uncommon ovarian tumor. Sforza V, et al. **Ultrastruct Pathol** 1984;7(1):59–65

[Ultrastructural research on endometriosis] Takeva Ts, et al. **Akush Ginekol (Sofiia)** 1984;23(5):420–6 (Eng. Abstr.) **(Bul)**

[Tumors of the endodermal sinus of the ovary. Clinical and anatomopathologic analysis of 3 cases treated at the Mangiagalli Clinic 1970–1979] Carinelli SG, et al. **Ann Ostet Ginecol Med Perinat** 1984 May–Jun; 105(3):149–60 (Eng. Abstr.) **(Ita)**

VETERINARY

Pleural effusion secondary to metastasis of an ovarian adenocarcinoma in a horse. Morris DD, et al. **J Am Vet Med Assoc** 1985 Aug 1;187(3):272–4

Ovarian adenocarcinoma in a bonnet monkey: histologic and ultrastructural features. Bunton TE, et al. **J Med Primatol** 1983;12(2):106–11

Intraductal mammary carcinoma and benign ovarian teratoma in a rhesus monkey. Eydelloth RS, et al. **J Med Primatol** 1983;12(2):101–5

Ovarian tumors in sows. A report on 3 cases including a survey of the literature. Teige J, et al. **Nord Vet Med** 1984 Nov–Dec;36(11):404–5

Canine ovarian tumors of germ cell origin. Greenlee PG, et al. **Vet Pathol** 1985 Mar;22(2):117–22

Papillary cystadenocarcinoma in a zebra (Equus granti). Taniyama H, et al. **Vet Pathol** 1985 May;22(3):290–2

[A mixed mamma tumor, a theca cell tumor and a leiomyoma in a bitch] Röcken H. **Berl Munch Tierarztl Wochenschr** 1985 Jun 1;98(6):220–1 (Eng. Abstr.) **(Ger)**

[Teratoma in a heifer] Thiel W, et al. **Tierarztl Prax** 1984; 12(2):163–6 **(Ger)**

OVARY

see related
CASTRATION

Preservation of the ovary: a reevaluation. García CR, et al. **Fertil Steril** 1984 Oct;42(4):510–4

[Primary ovarian pregnancy with a 14-week macerated fetus] Cabrera J, et al. **Rev Chil Obstet Ginecol** 1983;48(3):160–4 **(Spa)**

ABNORMALITIES

Chromosomal anomalies that cause male sterility in the mouse also reduce ovary size. Mittwoch U, et al. **Genet Res** 1984 Oct;44(2):219–24

Laparoscopy in children and adolescents. Wolfman WL, et al. **J Adolesc Health Care** 1984 Oct;5(4):261–5

An ovarian regression syndrome in the platyfish, Xiphophorus maculatus. Burns JR, et al. **J Exp Zool** 1985 Feb;233(2):301–16

A case of supernumerary ovary. Lee B, et al. **Obstet Gynecol** 1984 Nov;64(5):738–40

[Unilateral Mayer-Rokitansky-Küster-Hauser syndrome (unilateral Müllerian dysgenetic syndrome)] Ghirardini G, et al. **Zentralbl Gynakol** 1985;107(12):756–8 (Eng. Abstr.) **(Ger)**

[Benign teratoma in a supernumerary ovary] Scalia L, et al. **Pathologica** 1984 Sep–Oct;76(1045):627–30 (Eng. Abstr.) **(Ita)**

ANALYSIS

Estradiol and progesterone receptors in normal ovary and ovarian tumors. Lantta M. **Acta Obstet Gynecol Scand** 1984; 63(6):497–503

Biochemical characterization of substances with myometrium contraction inhibitory action, originated from ovaries of pregnant sows. Guoth J, et al. **Acta Physiol Hung** 1985; 65(3):373–8

Pregnancy proteins in seminal plasma, seminal vesicles, preovulatory follicular fluid, and ovary. Seppälä M, et al. **Ann NY Acad Sci** 1985;442:212–26

Effect of ovarian hormones on glucose metabolism in mouse soleus muscle. Puah JA, et al. **Endocrinology** 1985 Oct; 117(4):1336–40

Collagen and glycosaminoglycans in the human ovarian capsule with polycystic ovarian disease. Mori Y, et al. **Gynecol Obstet Invest** 1984;18(5):244–51

Plutonium in gonads: a summary of the current status. Thomas RG, et al. **Health Phys** 1985 Jan;48(1):7–17 (32 ref.)

Presence of oxytocin and arginine vasopressin in human ovary, oviduct, and follicular fluid. Schaeffer JM, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):970–3

Vasopressin-neurophysin II gene expression in the ovary: studies in Sprague-Dawley, Long-Evans and Brattleboro rats. Fuller PJ, et al. **J Endocrinol** 1985 Jun;105(3):317–21

Immunocytochemical studies of relaxin in ovaries of pregnant and cycling mice. Vaupel MR, et al. **J Histochem Cytochem** 1985 Apr;33(4):303–8

Depression of ovarian estradiol-17 beta following single oral dose of ketoconazole. Watanabe H, et al. **Res Commun Chem Pathol Pharmacol** 1985 Apr;48(1):141–4

[Studies on specific receptors for prolactin (PRL) in the rat ovary] Takahashi Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb;37(2):277–86 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The ovary of the wood mouse, Apodemus sylvaticus, during late pregnancy and lactation. Eriksson M. **Acta Morphol Neerl Scand** 1984 Dec;22(4):297–305

Pelvic ultrasonography in premenarcheal girls: relation to puberty and sex hormone concentrations. Salardi S, et al. **Arch Dis Child** 1985 Feb;60(2):120–5

The mammalian rete ovarii: a literature review. Wenzel JG, et al. **Cornell Vet** 1985 Jul;75(3):411–25

Contralateral tubal-ovarian apposition and fertility in hemiovariectomized primates. Sopelak VM, et al. **Fertil Steril** 1984 Oct;42(4):633–7

Histogenesis of the follicular wall in the Indian softshell turtle Lissemys punctata punctata (emydidae). Gupta VK, et al. **Folia Morphol (Praha)** 1985;33(1):22–6

Estriol-induced changes in ovary and oviduct of the domestic pigeon Columbia livia Gmelin. Manna CK, et al. **Indian J Exp Biol** 1984 Jun;22(6):335–7

[Premature development of the breasts. Value of utero-ovarian evaluation by pelvic ultrasound] Colle M, et al. **Ann Pediatr (Paris)** 1985 Feb;32(2):97–100 (Eng. Abstr.) **(Fre)**

[Bovine luteal tissue and its endocrine functions from a morphological viewpoint] Gasse H, et al. **DTW** 1985 Mar 8;92(3):107–13 (102 ref.) (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Arterial component of the angioarchitecture of the canine ovary. Esperança-Pina JA, et al. **Acta Anat (Basel)** 1984; 120(3):112–6

Renal vein thrombosis following puerperal ovarian vein thrombophlebitis. Bahnson RR, et al. **Am J Obstet Gynecol** 1985 Jun 1;152(3):290–1

Microvasculature of preovulatory follicles: comparison of in situ and in vitro perfused rabbit ovaries following stimulation of ovulation. Kitai H, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):889–95

Treatment of pelvic varicosities causing lower abdominal pain with extraperitoneal resection of the left ovarian vein. Rundqvist E, et al. **Ann Chir Gynaecol** 1984;73(6):339–41

Effects of ovarian hormones on ovarian capillary blood flow in anoestrous ewes. Brown BW, et al. **Aust J Biol Sci** 1984; 37(5–6):389–92

Study of the luteinizing hormone-induced increase of ovarian blood flow during the estrous cycle in the rat. Varga B, et al. **Biol Reprod** 1985 Apr;32(3):480–8

Blood sampling from the ovarian vein in the unstressed pregnant guinea pig. Peeters LL, et al. **Biol Res Pregnancy Perinatol** 1984;5(3):118–20

Ultrasound Doppler flow studies of the ovarian and uterine arteries. Taylor KJ, et al. **Br J Obstet Gynaecol** 1985 Mar; 92(3):240–6

Effect of local GABA administration on rat ovarian blood flow, and on progesterone and estradiol secretion. Erdö S, et al. **Eur J Pharmacol** 1985 May 20;111(3):397–400

Ovarian and adrenal vein steroids in seven patients with androgen-secreting ovarian neoplasms: selective catheterization findings. Moltz L, et al. **Fertil Steril** 1984 Oct;42(4):585–93

Spontaneous rupture of utero-ovarian veins in pregnancy. McGuinness EP, et al. **Ir J Med Sci** 1985 Jan;154(1):38–9

Control of uterine and ovarian blood flow throughout the estrous cycle and pregnancy of ewes, sows and cows. Ford SP. **J Anim Sci** 1982;55 Suppl 2:32–42 (79 ref.)

Decreasing the number of ovulations in the rabbit with surgical division of the blood vessels between the fallopian tube and ovary. McComb P, et al. **J Reprod Med** 1984 Nov;29(11):827–9

Substance P in the localization of a carcinoid tumor. Strodel WE, et al. **J Surg Oncol** 1984 Oct;27(2):106–11

Ovarian vein thrombosis mimicking ectopic pregnancy. Adachi A, et al. **NY State J Med** 1984 Nov;84(11):567–8

Treatment of ovarian vein thrombosis. Cohen MB. **NY State J Med** 1984 Nov;84(11):542

Puerperal ovarian vein thrombophlebitis. Tang LC, et al. **Postgrad Med J** 1985 Feb;61(712):179–80

The structure of steroids and their diffusion through blood vessel walls in a counter-current system. McCracken JA, et al. **Steroids** 1984 Mar;43(3):293–303

[Right ovarian vein syndrome] Arvis G. **Ann Urol (Paris)** 1985;19(1):65–6 (Eng. Abstr.) **(Fre)**

[Arterial microcirculation of the human ovary. Preliminary report] Rodrigues M, et al. **Bull Assoc Anat (Nancy)** 1984 Mar;68(200):59–63 (Eng. Abstr.) **(Fre)**

[Proteolytic changes in plasma fibrinogen from ovarian venous blood in patients with cervix cancer] Lober R, et al. **Folia Haematol (Leipz)** 1985;112(1):82–9 (Eng. Abstr.) **(Ger)**

[Postpartum bilateral ovarian vein thrombosis and its complications] Stömmer P, et al. **Z Geburtshilfe Perinatol** 1985 Mar–Apr;189(2):84–7 (Eng. Abstr.) **(Ger)**

[Right ovarian vein syndrome] Cardi F, et al. **Minerva Chir** 1985 Jan 15–31;40(1–2):63–8 (Eng. Abstr.) **(Ita)**

[Ovarian vein syndrome. Our experience] Frea B, et al. **Minerva Urol Nefrol** 1984 Oct–Dec;36(4):349–52 (Eng. Abstr.) **(Ita)**

[Variability of arterial vascularization of the uterus and ovary in various periods of a woman's life] Wydrzyński M. **Ginekol Pol** 1984 Sep;55(9):681–5 (Eng. Abstr.) **(Pol)**

CYTOLOGY

Impact of FSH-TSH overlap on the growth of Chinese hamster ovary (CHO) cell culture. Csaba G, et al. **Acta Biol Hung** 1983;34(4):433–4

Effects of amino acid and serum deprivation on protein synthesis and degradation in cultured Chinese hamster ovary cells. Scornik OA. **Acta Physiol Pharmacol Latinoam** 1984;34(2):215–7

Glucose analogues alter the response of CHO-KI cells to gamma irradiation. Seymour CB, et al. **Acta Radiol [Oncol]** 1985 Jul–Aug;24(4):351–6

Immunolocalization of the 100 kDa nucleolar protein during the mitotic cycle in CHO cells. Gas N, et al. **Biol Cell** 1985;53(3):209–18

An ovarian chromosome map of Anopheles stephensi. Mahmood F, et al. **Cytobios** 1985;43(171):79–86

Enzymatic dissociation of ovarian and uterine tissues. Marcus GJ, et al. **Endocr Res** 1984;10(2):151–62

Co-expression of cytokeratin and vimentin filaments in mesothelial, granulosa and rete ovarii cells of the human ovary. Czernobilsky B, et al. **Eur J Cell Biol** 1985 May; 37:175–90

A cell line, ROSE 199, derived from normal rat ovarian surface epithelium. Adams AT, et al. **Exp Cell Biol** 1985; 53(4):181–8

Location of the isoleucine arrest point in CHO and 3T3 cells. Wynford-Thomas D, et al. **Exp Cell Res** 1985 Jun; 158(2):525–32

The presence of smooth muscle cells in the rat ovary. Doss DN, et al. **Histochemistry** 1984;81(2):205–6

Cytophotometric studies on cells from the ovaries of otu mutants of Drosophila melanogaster. Rasch EM, et al. **Histochemistry** 1984;81(2):105–10

Human ovarian surface epithelium in primary culture. Auersperg N, et al. **In Vitro** 1984 Oct;20(10):743–55

Lipopolysaccharide and serum synergistically stimulate ornithine decarboxylase in Chinese hamster ovary cells. Greenfield AR, et al. **In Vitro** 1984 Nov;20(11):876–8

Peritoneal mesothelium and ovarian surface cells—shared characteristics. Blaustein A. **Int J Gynecol Pathol** 1984; 3(4):361–75

Isolation and ultrastructure of rabbit ovarian mesothelium (surface epithelium). Nicosia SV, et al. **Int J Gynecol Pathol** 1984;3(4):348–60

Concerted metabolism of steroid hormones produced by cocultured ovarian cell types. Goldring NB, et al. **J Biol Chem** 1985 Jan 25;260(2):913–21

Enhancement of ricin cytotoxicity in Chinese hamster ovary cells by depletion of intracellular K+: evidence for an Na+/H+ exchange system in Chinese hamster ovary cells. Ghosh PC, et al. **J Cell Biol** 1985 Aug;101(2):350–7

Differentiation markers in the Drosophila ovary. White RA, et al. **J Embryol Exp Morphol** 1984 Dec;84:275–86

Inherent sources of ultrasound variability in relation to follicular measurements. Prins GS, et al. **J In Vitro Fert Embryo Transfer** 1984 Dec;1(4):221–5

Origin and differentiation of the endocrine cells of the ovary. Byskov AG, et al. **J Reprod Fertil** 1985 Sep;75(1):299–306

Heterophilic leucocytes are the predominant granulocytes in the ovary and ultimobranchial glands of the adult fowl. Maxwell MH. **Res Vet Sci** 1985 Jul;39(1):119–21

[A study of morphopathological changes in the ovary caused by parabiotic union in rats] Mitamura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Nov; 36(11):2090–8 (Eng. Abstr.) **(Jpn)**

[Age-related characteristics of structural support for ovarian function] Koval'skii GB. **Biull Eksp Biol Med** 1984 Dec; 98(12):759–61 (Eng. Abstr.) **(Rus)**

[Histomorphology of the human ovary in postmenopause] Války J. **Bratisl Lek Listy** 1984 Jul;82(1):806–10 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Effects of aminoglutethimide on ovarian histology in the rat. Salih ET, et al. **Acta Anat (Basel)** 1985;122(4):212–5

Ovarian hyperstimulation for successful in vitro fertilization and embryo transfer. Gronow MJ. **Acta Obstet Gynecol Scand [Suppl]** 1985;131:1–80

Examination of the role of calcium in ovulation in the in vitro perfused rabbit ovary with use of ethyleneglycol-bis(beta-aminoethyl ether)-n,n'-tetraacetic acid and verapamil. Kitai H, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):705–8

Clomiphene-induced changes in endometrial receptor kinetics on the day of ovum collection after ovarian stimulation: a study on cytosol and nuclear estrogen and progestin receptors and 17 beta-hydroxysteroid dehydrogenase. Rönnberg L, et al. **Ann NY Acad Sci** 1985; 442:408–15

Endocrinology of ovarian stimulation for in vitro fertilization. Kerin JF, et al. **Aust NZ J Obstet Gynaecol** 1984 May; 24(2):121–4

Reciprocal effects of phenothiazines and naphthalene sulfonamides on the external ATP-dependent permeability change in Chinese hamster ovary cells. Kitagawa T, et al. **Biochim Biophys Acta** 1985 Apr 26;815(1):25–32

Ovarian dysfunction in patients with gestational trophoblastic neoplasia treated with short intensive courses of etoposide (VP-16-213). Choo YC, et al. **Cancer** 1985 May 15; 55(10):2348–52

Gonadal effects of cancer therapy in girls. Nicosia SV, et al. **Cancer** 1985 May 15;55(10):2364–72

The quantitative detection of various Pt-DNA-adducts in Chinese hamster ovary cells treated with cisplatin: application of immunochemical techniques. Plooy AC, et al. **Carcinogenesis** 1985 Apr;6(4):561–6

Effect of clomiphene citrate on the rabbit ovary. Birkenfeld A, et al. **Cell Tissue Res** 1985;239(3):497–503

Testis cell-specific proteins in testosterone-treated rat ovaries. Schindler H, et al. **Differentiation** 1984;27(2):113–9

Effect of safe concentrations of some pesticides on ovarian recrudescence in the freshwater murrel, Channa punctatus (Bl.): a quantitative study. Mani K, et al. **Ecotoxicol Environ Safety** 1985 Jun;9(3):241–9

The effects of a gonadotropin-releasing hormone agonist on ovulation and steroidogenesis during perfusion of rabbit and rat ovaries in vitro. Koos RD, et al. **Endocrinology** 1985 Feb;116(2):628–32

Trophic actions of human somatomedin C/insulin-like growth factor I on ovarian cells: in vitro studies with swine granulosa cells. Veldhu[illegible] JD, et al. **Endocrinology** 1985 Apr; 116(4):1235–42

In vivo effects of cadmium on some enzyme activities in tissues of the freshwater catfish, Heteropneustes fossilis. Sastry KV, et al. **Environ Res** 1985 Feb;36(1):32–45

Effects of 1,1-bis(p-chlorophenyl)-2,2,2-trichloroethane (DDT) on gonadal development in the chick embryo: a histological and histochemical study. Swartz WJ. **Environ Res** 1984 Dec;35(2):333–45

Progesterone production by human ovarian tissues in response to deglycosylated human chorionic gonadotrophin. Watson J, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Jul;17(5):315–20

Effects of follicle-stimulating hormone, luteinizing hormone and prolactin on left and right gonads of female chick embryos in culture. Grassi Milano E. **Exp Cell Biol** 1984; 52(5):326–32

The effect of a single midcycle administration of 0.5 or 2.0 mg dienogest (17 alpha-cyanomethyl-17 beta-hydroxy-estra-4,9-dien-3-one) on pituitary and ovarian function––investigation for the use as a postcoital contraceptive. Köhler G, et al. **Exp Clin Endocrinol** 1984 Dec;84(3):299–304

Diagnosis-specific serum 17 beta-estradiol (E2) upper limits for treatment with menotropins using a 125I direct E2 assay. Haning RV Jr, et al. **Fertil Steril** 1984 Dec; 42(6):882–9

The effect of different methods of ovarian stimulation for human in vitro fertilization and embryo replacement. Vargyas JM, et al. **Fertil Steril** 1984 Nov;42(5):745–9

Direct ovarian effect of clomiphene citrate in the rabbit. Yoshimura Y, et al. **Fertil Steril** 1985 Mar;43(3):471–6

Bioassay of fish gonadotrophin by ovarian mitochondrial cholesterol depletion. Deb S, et al. **Gen Comp Endocrinol** 1985 Mar;57(3):491–7

Morphological changes in the ovary of newly hatched chickens treated with chorionic gonadotropin during embryonic development. González-Morán G, et al. **Gen Comp Endocrinol** 1985 Jul;59(1):162–7

Direct effect of the luteinizing hormone releasing hormone analog D-Trp6-Pro9-Net-LHRH on rat ovarian steroidogenesis. Malozowski S, et al. **Horm Metab Res** 1985 Jun;17(6):321–2

Preponement of ovarian follicular development in the frog, Rana tigerina, using PMSG, HCG, growth hormone, heteroplastic pituitary pars distalis homogenate, FSH and LH. Pramoda S, et al. **Indian J Exp Biol** 1984 Oct; 22(10):527–32

Effect of short-term & long-term treatment of PGF2 alpha on cholesterol fractions in the ovary, vagina & serum of albino rat. Nagalakshmi A, et al. **Indian J Med Res** 1985 Jan;81:57–60

Effect of cyclosporin A on the morphology and function of the ovary and fertility in the rabbit. Al-Chalabi HA. **Int J Fertil** 1984;29(4):218–23

Subcutaneous and intrabursal administration of an LRH agonist to the pregnant hemicastrated rat during preimplantation. Jones RC. **Int J Fertil** 1984;29(2):122–8

Ovarian hyperstimulation syndrome following ovulation induction with human menopausal gonadotropin. Tulandi T, et al. **Int J Fertil** 1984;29(2):113–7

Human menopausal gonadotropin/human chorionic gonadotropin-induced ovarian hyperstimulation with transient hyperprolactinemia: steroidogenesis enhanced during bromocriptine therapy in monkeys. Collins RL, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):727–33

Response of the prepubertal ovary to acute chorionic gonadotropin administration: absence of modulation by growth hormone. Kulin HE, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):208–11

Effect of commercial formulation of four organophosphorus insecticides on the ovaries of a freshwater teleost, Mystus vittatus (bloch)––a histological and histochemical study. Haider S, et al. **J Environ Sci Health [B]** 1985 Jun; 20(3):321–40

Investigations on Dieffenbachia amoena Gentil. I: Endocrine effects and contraceptive activity. Costa de Pasquale R, et al. **J Ethnopharmacol** 1984 Dec;12(3):293–303

Plasma progesterone concentrations, ovarian and endocrinological response and sperm transport in ewes with synchronized oestrus. Pearce DT, et al. **J Reprod Fertil** 1985 Sep;75(1):49–62

Structural and functional changes in ovaries from adult mice treated with diethylstilboestrol in the neonatal period. Tenenbaum A, et al. **J Reprod Fertil** 1985 Mar;73(2):465–77

Ovarian hyperstimulation with exogenous pulsatile gonadotropin releasing hormone therapy. Corenblum B, et al. **J Ultrasound Med** 1985 Aug;4(8):405–10

Two daily melatonin injections differentially induce nonshivering thermogenesis and gonadal regression in the mouse (Peromyscus leucopus). Hall ES, et al. **Life Sci** 1985 Aug 26;37(8):783–8

Ovarian failure following cytotoxic therapy. Beard ME, et al. **NZ Med J** 1984 Nov 14;97(767):759–62

Pathophysiology of the ovarian hyperstimulation syndrome. Haning RV Jr, et al. **Obstet Gynecol** 1985 Aug;66(2):220–4

Neonatal exposure to DES in BALB/c male mice: effects on pituitary-gonadal function. Dalterio S, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1019–24

Biochemical changes in testis and ovary of Chrysocoris stolli Wolf. after the application of juvenoid and ecdysterone. Saha LM, et al. **Rev Esp Fisiol** 1985 Jun;41(2):249–58

Effects of two international union against cancer standard reference samples of asbestos on cultured rabbit ovarian surface epithelial cells. Nicosia SV, et al. **Scan Electron Microsc** 1984;(Pt 3):1329–36

The effects of prolactin on rat ovarian function. Munabi AK, et al. **Steroids** 1984 Jun;43(6):631–7

The effect of intraovarian injection of benzo(a)pyrene on primordial oocyte number and ovarian aryl hydrocarbon [benzo(a)pyrene] hydroxylase activity. Shiromizu K, et al. **Toxicol Appl Pharmacol** 1984 Oct;76(1):18–25

In vitro cytotoxicity of glycol ethers and oxidation products in CHO cells. Jäckh R, et al. **Toxicol Lett** 1985 Jul; 26(1):73–7

[Methodological problems in researching chemical substances for their embryotoxic, teratogenic, hypotrophic and gonadotoxic action on agricultural animals] Lilov K, et al. **Vet Med Nauki** 1985;22(6):94–101 (Eng. Abstr.) **(Bul)**

[Preliminary study on the effect of 'tonifying the kidney' on ovarian function––analysis of 56 cases] Liu DG. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Aug;4(8):476–7 (Eng. Abstr.) **(Chi)**

[Effect of gossypol acetic acid on the uterus and ovary] Zhou LF, et al. **Yao Hsueh Hsueh Pao** 1984 Mar;19(3):220–3 (Eng. Abstr.) **(Chi)**

[Does diethylstilbestrol also affect the fetal ovaries? (letter)] **Ned Tijdschr Geneeskd** 1984 Nov 10;128(45):2150–2 **(Dut)**

[Does diethylstilbestrol also affect the ovaries of the fetus?] Eskes TK, et al. **Ned Tijdschr Geneeskd** 1984 Aug 25; 128(34):1601–3 **(Dut)**

[Experimental study of the pathomorphological changes of the ovary associated with exogenous gonadotropin administration] Hidaka S. **Igaku Kenkyu** 1984 Apr; 54(3):221–34 (Eng. Abstr.) **(Jpn)**

[The response of ovarian function to HMG-HCG and bromocriptine therapies in hyperprolactinemic patients] Matsuoka M, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 May 20;60(5):647–58 (Eng. Abstr.) **(Jpn)**

[Effect of difluprednate on adrenocortical and gonadal function] Aizawa Y, et al. **Nippon Yakurigaku Zasshi** 1984 Dec;84(6):553–61 (Eng. Abstr.) **(Jpn)**

[Mechanisms of the effect of opiates and opioids on gonadal and adrenal cortical functions] Belykh AG, et al. **Farmakol Toksikol** 1984 Nov–Dec;47(6):102–8 (62 ref.) **(Rus)**

[Gonadotoxic action of the components of polymeric materials] Sheftel' VO. **Gig Sanit** 1985 Jun;(6):50–2 (20 ref.) **(Rus)**

[Biometric parameters of ovaries in the Tsigai strain of sheep and their changes after administration of cloprostenol] Maraček I, et al. **Vet Med (Praha)** 1985 Jan;30(1):11–20 (Eng. Abstr.) **(Slo)**

EMBRYOLOGY

Influence of FSH on the developing ovary in the chick embryo. Kanellaki kM, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984;265:15–7

Comparison between the meiotic activities in the male with hypogonadotropic hypogonadism and in the human fetal ovocytes. de Torres ML, et al. **Ann Genet (Paris)** 1985; 28(2):107–10

Induction of testicular development in the fetal mouse ovary. Taketo T, et al. **Ann NY Acad Sci** 1984;438:671–4

Steroid conversions by the 19-day old foetal rat ovary in organ culture. Weniger JP, et al. **Biol Chem Hoppe Seyler** 1985 Jun;366(6):555–9

Thymic regulation of primate fetal ovarian-adrenal differentiation. Healy DL, et al. **Biol Reprod** 1985 Jun; 32(5):1127–33

Culture of mouse germ cells isolated from fetal gonads. Wabik-Sliz B, et al. **Exp Cell Res** 1984 Oct;154(2):530–6

Effects of early tamoxifen treatment on hormonal content of 15-day quail embryo gonads. Scheib D, et al. **Gen Comp Endocrinol** 1984 Dec;56(3):425–32

Differentiation of mouse ectopic germinal cells in intra- and perigonadal locations. Francavilla S, et al. **J Exp Zool** 1985 Jan;233(1):101–9

Ontogeny of hypothalamo-adenohypophyseal-gonadal (HAG) interrelationships in the chick embryo. Woods JE, et al. **J Exp Zool** 1984 Dec;232(3):435–41 (35 ref.)

Number of germ cells and meiotic prophase stages in fetal rat ovaries cultured in vitro. Prépin J, et al. **J Reprod Fertil** 1985 Mar;73(2):579–83

[Tamoxifen and sex differentiation of the gonads in chick embryo] Weniger JP, et al. **Arch Anat Microsc Morphol Exp** 1984;73(4):217–27 (Eng. Abstr.) **(Fre)**

[Effect of the fetal testis on the number of germ cells in the fetal ovary of rats in vitro] Prepin J, et al. **C R Acad Sci [III]** 1985;300(2):43–7 (Eng. Abstr.) **(Fre)**

[Synergistic action, on the masculinization of female chick embryo gonads, of a graft of embryonic testis and administration of an anti-estrogenic substance (tamoxifen)] Maraud R, et al. **C R Soc Biol (Paris)** 1985;179(1):78–84 (Eng. Abstr.) **(Fre)**

[Comparison of steroid metabolism in the testes and ovaries of 19-day-old rat embryos in culture in vitro] Weniger JP, et al. **Reprod Nutr Dev** 1985;25(3):531–5 (Eng. Abstr.) **(Fre)**

[Development of the hemomicrocirculatory bed of the human gonads during the prenatal period of ontogeny] Bobrik II, et al. **Arkh Anat Gistol Embriol** 1984 Oct;87(10):78–81 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The mechanism of gonadotropin induced desensitization of rat ovarian adenylate cyclase in the cell free state and the role of GTP in this process. Salomon Y, et al. **Ann Endocrinol (Paris)** 1984;45(4–5):327–34

A protein inhibitor of calmodulin-regulated cyclic nucleotide phosphodiesterase in amphibian ovaries. Jedlicki E, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):215–24

Studies of the coenzyme binding site of rat ovarian 20 alpha-hydroxysteroid dehydrogenase. Pongsawasdi P, et al. **Arch Biochem Biophys** 1985 Apr;238(1):280–9

Inactivation of rat ovarian 20 alpha-hydroxysteroid dehydrogenase by N-alkylmaleimides. Pongsawasdi P, et al. **Arch Biochem Biophys** 1984 Sep;233(2):481–8

Acid phosphatase activity in the chick ovary during embryonic development. Samar ME, et al. **Basic Appl Histochem** 1984;28(4):413–23

Partial purification and characterization of an ovarian tripeptidyl peptidase: a lysosomal exopeptidase that sequentially releases collagen-related (Gly-Pro-X) triplets

McDonald JK, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):63–71

Involvement of adenosine kinase in the phosphorylation of formycin B in CHO cells. Mehta KD, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):910–7

Gonadotropin modulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in desensitized luteinized rat ovary. Azhar S, et al. **Biochemistry** 1984 Sep 25;23(20):4533–8

Ligandin concentrations in the steroidogenic tissues of the rat during development. Eidne KA, et al. **Biochim Biophys Acta** 1984 Oct 16;801(3):424–8

Kinetic comparison of the 3 beta-hydroxysteroid dehydrogenase activity in human placenta, chorion laeve, and ovary. Gibb W, et al. **Can J Biochem Cell Biol** 1985 Mar;63(3):183–6

Superoxide dismutase levels in Chinese hamster ovary cells and ovarian carcinoma cells after hyperthermia or exposure to cycloheximide. Loven DP, et al. **Cancer Res** 1985 Jul;45(7):3029–33

Characterization of an oxygen-tolerant cell line derived from Chinese hamster ovary. Antioxygenic enzyme levels and ultrastructural morphometry of peroxisomes and mitochondria. van der Valk P, et al. **Cell Tissue Res** 1985;239(1):61–8

Effects of the aromatase inhibiting delta 1,4-bisnorcholadienic acid on the steroid biosynthesis in the human ovary in vitro. Schürenkämper P, et al. **Exp Clin Endocrinol** 1984 Dec;84(3):271–6

Kinetic studies on the enzymes involved in estrogen biosynthesis and evidence for existence of a single 5-Ene-3beta-hydroxysteroid dehydrogenase complex in the ovary of the freshwater catfish, Clarias batrachus. Singh S, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):458–63

3 Alpha-hydroxysteroid dehydrogenase and 3 beta-hydroxysteroid dehydrogenase in the ovary of young Mongolian gerbils. Rune GM, et al. **Histochemistry** 1984;81(2):181–5

The effect of calcium on cholesterol side-chain-cleavage enzyme in superovulated rat ovaries. Klinken SP, et al. **Int J Biochem** 1985;17(6):745–8

Plasminogen activator in the rat ovary. Production and gonadotropin regulation of the enzyme in granulosa and thecal cells. Canipari R, et al. **J Biol Chem** 1985 Apr 25;260(8):5121–5

Amplification of ornithine decarboxylase gene in response to polyamine deprivation in Chinese hamster ovary cells. Pohjanpelto P, et al. **J Biol Chem** 1985 Jul 15;260(14):8532–7

Regulation of phosphatidylcholine biosynthesis in Chinese hamster ovary cells by reversible membrane association of CTP: phosphocholine cytidylyltransferase. Wright PS, et al. **J Biol Chem** 1985 Jul 5;260(13):7919–26

Studies on the developmental pattern of rat ovarian 3 alpha-hydroxysteroid dehydrogenase: inhibition of the postpubertal activity with medroxyprogesterone acetate in vivo. Jarrell J. **J Steroid Biochem** 1984 Aug;21(2):151–6

Complementary specificities of ovarian dipeptidyl peptidase II and tripeptidyl peptidase: collagenolytic potential and increased activity associated with ovulation in the hog. McDonald JK, et al. **Prog Clin Biol Res** 1985;180:673–5

Relationship between ovarian delta 5-3 beta-hydroxysteroid dehydrogenase activity and implantation in non-lactating and lactating mongolian gerbils (Meriones unguiculatus). Norris ML. **Reprod Nutr Dev** 1984;24(6):953–61

The ovarian enzyme catalyzing conversion of 13,14-dihydro-15-ketoprostaglandin F2 alpha to 13,14-dihydroprostaglandin F2 alpha in rats. Inazu N, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jul;49(1):149–52

[Comparative enzyme histochemical studies of the ovary] Korfsmeier KH, et al. **Acta Histochem [Suppl] (Jena)** 1985;31:167–9 **(Ger)**

[Effect of indomethacin on collagenolytic enzyme activities in rabbit ovary] Kawamura N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Nov;36(11):2099–105 (Eng. Abstr.) **(Jpn)**

[Correlation between progesterone and plasminogen activator in rat ovaries during the ovulatory process] Ohno Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb;37(2):247–56 (Eng. Abstr.) **(Jpn)**

[Histoenzymological and hormonal parallels in the study of the ovaries and uterus in experimental salpingo-oophoritis] Kitaev EM, et al. **Akush Ginekol (Mosk)** 1985 Feb;(2):52–4 **(Rus)**

GROWTH & DEVELOPMENT

Reduction of pituitary GnRH receptors in immature rats treated with monosodium glutamate. Dalkin AC, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E126–31

Ovarian ultrasound assessment in normal children, idiopathic precocious puberty, and during low dose pulsatile gonadotrophin releasing hormone treatment of hypogonadotrophic hypogonadism. Stanhope R, et al. **Arch Dis Child** 1985 Feb;60(2):116–9

Effects of carbaryl on gonadal development in the chick embryo. Swartz WJ. **Bull Environ Contam Toxicol** 1985 Apr;34(4):481–5

The relative gonadal index: an alternative index for quantification of reproductive condition. Erickson DL, et al. **Comp Biochem Physiol** [A] 1985;81(1):117–20

Endocrine regulations of ovarian maturation in the cockroach Blaberus discoidalis. Keeley LL, et al. **Comp Biochem Physiol** [A] 1985;80(1):115–21

Norepinephrine in the rat ovary: ontogeny and de novo synthesis. Ben-Jonathan N, et al. **Endocrinology** 1984 Oct;115(4):1426–31

Reproductive senescence in female C57BL/6J mice: ovarian impairments and neuroendocrine impairments that are partially reversible and delayable by ovariectomy. Mobbs CV, et al. **Endocrinology** 1984 Nov;115(5):1653–62

Maternal modulation of infantile ovarian development and available ovarian luteinizing hormone-releasing hormone (LHRH) receptors via milk LHRH. Smith SS, et al. **Endocrinology** 1984 Nov;115(5):1973–83

Elimination of the allatotropic activity in locusts by microsurgical and immunological methods: evidence for humoral control of the corpora allata, hemolymph proteins, and ovary development. Ulrich GM, et al. **Gen Comp Endocrinol** 1985 Jul;59(1):120–9

Failure of antibody to carbohydrate-rich gonadotropin to inhibit rapid ovarian growth in landlocked Atlantic salmon. Wiegand MD, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):260–8

Deficiency of 5 alpha-steroid formation in guinea pig ovaries compared with immature rat and hamster ovaries. Nagareda T, et al. **J Steroid Biochem** 1984 Oct;21(4):477–8

Ecdysteroids in developing ovaries and eggs of the tobacco hornworm. Thompson MJ, et al. **Steroids** 1984 Mar;43(3):333–41

[Sonographic study of the growth of the uterus and ovaries between the ages of 1 and 14] Bernaschek G, et al. **Geburtshilfe Frauenheilkd** 1984 Nov;44(11):727–30 (Eng. Abstr.) **(Ger)**

[Histoenzymatic study of postnatal development of the rat ovary, follicular atresia and interstitial gland] Kaczkowska E, et al. **Probl Med Wieku Rozwoj** 1984;13:219–31 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Suppression of cellular immune reactions by rat ovarian cells. Van Vlasselaer P, et al. **Transplantation** 1985 May;39(5):541–7

INNERVATION

The adrenergic innervation of the guinea pig ovary during prenatal and postnatal periods. Burden HW, et al. **Acta Anat (Basel)** 1985;122(3):193–6

Intraovarian adrenergic nerves in the guinea-pig: development from fetal life to sexual maturity. Kannisto P, et al. **Cell Tissue Res** 1984;238(2):235–40

Histochemistry and ultrastructure of adrenergic and acetylcholinesterase-containing nerves supplying follicles and endocrine cells in the guinea-pig ovary. Sporrong B, et al. **Cell Tissue Res** 1985;240(3):505–11

Experimental investigations on localization of the nerve centers concerned in the innervation of the ovary and the uterine tube in pig. Welento J, et al. **Folia Morphol** 1984;43(2):85–90

Changes of AChE activity in ovarian nerves of pigs in different periods of the oestrous cycle: relationship to ovarian steroids. Lakomy M, et al. **Gegenbaurs Morphol Jahrb** 1984;130(5):719–31

Time course of sympathetic denervation of the rat ovary after freezing its nerve supply. Gibson WR, et al. **J Reprod Fertil** 1984 Nov;72(2):429–33

[Experimental studies of the localization of neural centers in the ovaries and fallopian tubes in cows] Flieger S, et al. **Pol Arch Weter** 1984;24(2):261–73 (Eng. Abstr.) **(Pol)**

[Adrenergic fibers in the suspensory system of the ovary in the swine] Szteyn S, et al. **Pol Arch Weter** 1984;24(2):275–80 (Eng. Abstr.) **(Pol)**

[Changes in the ovarian structure and fertility of the rat after various ovarian neurectomies] Pérez de Obanos ML, et al. **Rev Esp Fisiol** 1985 Jun;41(2):235–41 (Eng. Abstr.) **(Spa)**

METABOLISM

Influence of hormone concentration and time factor on TSH-FSH imprinting and overlap in CHO cells. Csaba G, et al. **Acta Biol Hung** 1983;34(4):425–31

Fate of receptor-bound human chorionic gonadotrophin in pseudopregnant rat ovaries perfused in vitro. Rajaniemi H, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):115–21

Hormonal imprinting in cell culture II. Evidence of hormonal imprinting and thyrotropin (TSH) -gonadotropin (FSH) overlap in a Chinese hamster ovary (CHO) cell line. Csaba G, et al. **Acta Physiol Hung** 1984;64(2):135–8

Effects of prolactin and experimental handling on liver, fat body and ovary lipid contents and their daily variations in Rana esculenta (L.). Sotowska-Brochocka J, et al. **Acta Physiol Pol** 1984 Jan-Feb;35(1):1–13

Intracellular metabolism of hCG. Vaitukaitis J, et al. **Ann Endocrinol (Paris)** 1984;45(4–5):307–13

Change of catecholamine turnover in ovary during the rat estrous cycle. Nagahara Y, et al. **Asia Oceania J Obstet Gynaecol** 1985 Jun;11(2):261–4

Insulin receptors on Chinese hamster ovary (CHO) cells: altered insulin binding to glycosylation mutants. Podskalny J, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):70–5

Follicle cell tubular system in the prawn Macrobrachium rosenbergii: a route for exchanges between haemolymph and vitellogenic oocytes? Jugan P, et al. **Biol Cell** 1984;51(3):395–8

Effect of various agents on ovarian plasminogen activator activity during ovulation in pregnant mare's serum gonadotropin-primed immature rats. Espey L, et al. **Biol Reprod** 1985 Jun;32(5):1087–94

Alterations in mast cell degranulation and ovarian histamine in the proestrous hamster. Krishna A, et al. **Biol Reprod** 1985 Jun;32(5):1211–7

Changes in serum concentration and ovarian content of 5 alpha-androstane-3 alpha,17 beta-diol in the female rat approaching first ovulation. Meijs-Roelofs HM, et al. **Biol Reprod** 1985 Mar;32(2):301–8

Down regulation of prolactin receptors in the hamster ovary by the preovulatory gonadotropin surge. Oxberry BA, et al. **Biol Reprod** 1984 Oct;31(3):464–70

Relaxin concentrations in endometrial, placental, and ovarian tissues and in sera from ewes during middle and late pregnancy. Renegar RH, et al. **Biol Reprod** 1985 May;32(4):840–7

Decreased intracellular glutathione concentration and increased hyperthermic cytotoxicity in an acid environment. Freeman ML, et al. **Cancer Res** 1985 Feb;45(2):504–8

The effect of an LH pulse on 3H-thymidine incorporation into cultured ovaries of metestrous rats. Peluso JJ, et al. **Cell Tissue Res** 1984;238(1):159–63

Ovarian steroidogenesis in an adrenalectomized girl with 21-hydroxylase deficiency. Zachmann M, et al. **Clin Endocrinol (Oxf)** 1984 Nov;21(5):575–82

Nuclear protein synthesis in a temperature-sensitive Chinese hamster ovary cell line at 40 degrees C. Anderson KM, et al. **Clin Physiol Biochem** 1984;2(6):304–19

Relaxin gene expression in human ovaries and the predicted structure of a human preprorelaxin by analysis of cDNA clones. Hudson P, et al. **EMBO J** 1984 Oct;3(10):2333-9

Increases in ovarian GnRH receptors by following GnRH treatment. Uemura T, et al. **Endocrinol Jpn** 1984 Aug;31(4):377–86

Pregnancy in young and aged rats. I. Ovarian progesterone and 20 alpha-hydroxypregn-4-en-3-one formation. Albrecht ED. **Endocrinology** 1984 Oct;115(4):1418–25

Norepinephrine amplifies human chorionic gonadotropin-stimulated androgen biosynthesis by ovarian theca-interstitial cells. Dyer CA, et al. **Endocrinology** 1985 Apr;116(4):1645–52

Lack of ovarian steroid negative feedback on pulsatile luteinizing hormone release between estrus and diestrous day 1 in the rat estrous cycle. Gallo RV, et al. **Endocrinology** 1985 Apr;116(4):1525–8

The synthesis and metabolism of gonadal steroids in pouch young of the opossum, Didelphis virginiana. George FW, et al. **Endocrinology** 1985 Mar;116(3):1145–50

Differential action of decidual luteotropin on luteal and follicular production of testosterone and estradiol. Gibori G, et al. **Endocrinology** 1985 May;116(5):1784–91

Ovarian immunoreactive beta-endorphin and estrous cycle in the rat. Lolait SJ, et al. **Endocrinology** 1985 Jul;117(1):161–8

The effects of hypophysectomy and administration of pituitary hormones on luteal function and uptake of high density lipoproteins by luteinized ovaries and adrenals of the rat. Murphy BD, et al. **Endocrinology** 1985 Apr;116(4):1587–97

Metabolism of high density lipoproteins reconstituted with [3H]cholesteryl ester and [14C]cholesterol in the rat, with special reference to the ovary. Nestler JE, et al. **Endocrinology** 1985 Aug;117(2):502–10

A simple and rapid method using polyethylenimine-treated filters for assay of solubilized LH/hCG receptors. Roche PC, et al. **Endocrinology** 1985 Aug;117(2):790–2

CI628 inhibits follicle-stimulating hormone (FSH)-induced increases in FSH receptors of the rat ovary: requirement of estradiol for FSH action. Tonetta SA, et al. **Endocrinology** 1985 Feb;116(2):715–22

Gold in the ovary of rats exposed to sodium aurothiomalate. Møller-Madsen B, et al. **Exp Mol Pathol** 1985 Apr;42(2):287–92

Polycystic ovarian disease: current concepts of pathophysiology and therapy. Coney P. **Fertil Steril** 1984 Nov;42(5):667–82 (102 ref.)

Acclimatory changes in protein and nucleic acid contents of liver, muscle, and ovary of Singi fish (Heteropneustes fossilis Bloch) of two phases of reproductive cycle at different temperatures. Dasmahapatra AK, et al. **Gegenbaurs Morphol Jahrb** 1984;130(4):593–602

Hormonal regulation of ovarian ecdysteroid production in the autogenous mosquito, Aedes atropalpus. Birnbaum MJ, et al. **Gen Comp Endocrinol** 1984 Oct;56(1):9–18

Gonadotrophin-induced oocyte maturation in the catfish, Heteropneustes fossilis (Bloch), requires steroidogenesis in both interrenal and ovary. Goswami SV, et al. **Gen Comp Endocrinol** 1985 Jan;57(1):53–63

In vitro estradiol synthesis and secretion by tadpole ovaries of different developmental stages. Hsu CY, et al. **Gen Comp Endocrinol** 1985 Mar;57(3):393–6

Temperature regulation of ovarian steroid production in the common carp, Cyprinus carpio L., in vivo and in vitro. Manning NJ, et al. **Gen Comp Endocrinol** 1984 Dec;56(3):376–88

In vitro studies on steroid metabolism by gonadal tissues from ambisexual teleosts. I. Conversion of [14C]testosterone by males and females of the protogynous wrasse Coris julis L. Reinboth R, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):245-50

Human chorionic gonadotrophin and immature fish ovary: characterization and mechanism of the in vitro stimulation of cyclic adenosine monophosphate accumulation. Salmon C, et al. **Gen Comp Endocrinol** 1985 Apr;58(1):101-8

The in vitro metabolism of radioactive progesterone and testosterone by the gonads of the protandrous Rhabdosargus sarba at various sexual phases. Yeung WS, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):171-83

Pattern of ovarian and uterine carbohydrate metabolism during induced antiimplantation by (+)gossypol. Reddy RM, et al. **Indian J Exp Biol** 1984 Jul;72(7):367-71

Production of estradiol by each ovary during the estrous cycle of cows. Ireland JJ, et al. **J Anim Sci** 1984 Sep;59(3):764-71

Binding of apolipoprotein A-I and A-II after recombination with phospholipid vesicles to the high density lipoprotein receptor of luteinized rat ovary. Hwang J, et al. **J Biol Chem** 1985 May 10;260(9):5660-8

Stimulation of rat ovarian cell steroidogenesis by high density lipoproteins modified with tetranitromethane. Nestler JE, et al. **J Biol Chem** 1985 Jun 25;260(12):7316-21

Insulin binding to human ovaries. Jarrett JC 2d, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):460-3

Distribution and characterization of insulin and insulin-like growth factor I receptors in normal human ovary. Poretsky L, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):728-34

Specific insulin binding sites in human ovary. Poretsky L, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):809-11

Comparative characterization of glutamate decarboxylase in crude homogenates of oviduct, ovary, and hypothalamus. Erdö SL, et al. **J Neurochem** 1984 Dec;43(6):1532-7

Assay and characterization of ovarian testosterone receptor. Saiduddin S, et al. **J Recept Res** 1983-84;3(6):667-84

Studies on ovarian prostaglandin production in relation to ovulation in the rat. Brown CG, et al. **J Reprod Fertil** 1984 Nov;72(2):407-14

Effect of oestradiol-17 beta on ovarian and serum concentrations of relaxin during the second half of pregnancy in the rat. Lao Guico MS, et al. **J Reprod Fertil** 1985 May;74(1):65-70

Pituitary and gonadal function in hypogonadotrophic hypogonadal (hpg) mice bearing hypothalamic implants. Young LS, et al. **J Reprod Fertil** 1985 May;74(1):247-55

Identification and partial characterization of the cytoplasmic androgen receptor in bovine ovarian capsule. Ito A, et al. **J Steroid Biochem** 1985 Jul;23(1):27-31

Effect of serum and 12-O-tetradecanoyl-phorbol-13-acetate on FSH-stimulated conversion of 4-androstene-3,17-dione to oestrogens in cell and organ cultures of suckling mouse ovaries. Terada N, et al. **J Steroid Biochem** 1985 Mar;22(3):401-5

Conversion of testosterone and progesterone to oestrone by the ovary of the rat embryo in organ culture. Weniger JP, et al. **J Steroid Biochem** 1984 Sep;21(3):347-9

The composition and distribution of lipid granules in the rat ovary. Tuckey RC, et al. **Mol Cell Endocrinol** 1984 Dec;38(2-3):187-95

Further evidence for lack of specific receptors for PGE2 in the rat ovary. Lattermann U, et al. **Prostaglandins** 1984 Jun;27(6):839-49

[Collagen synthetic activity in rabbit ovary during ovulation and its blockage by indomethacin] Himeno N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct;36(10):1930-4 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Isolation of infectious bronchitis virus from intestine and reproductive organs of laying hens with dropped egg production. Maiti NK, et al. **Avian Dis** 1985 Apr-Jun;29(2):509-13

PATHOLOGY

A case of primary ovarian pregnancy. Maeyama M, et al. **Acta Obstet Gynecol Scand** 1985;64(4):363-6

Experimental immune oophoritis as a model for studying the thymus-ovary interaction: I. Morphological studies. Ivanova M, et al. **Am J Reprod Immunol** 1984 Oct-Nov;6(3):99-106

Ovarian hyperthecosis associated with pseudosarcomatous changes in the endometrial stroma. Ravinsky E. **Am J Surg Pathol** 1984 Dec;8(12):939-43

Morphometric evaluation of diabetes-associated ovarian atrophy in the C57BL/KsJ mouse: relationship to age and ovarian function. Garris DR, et al. **Anat Rec** 1985 Apr;211(4):434-43

Effects of progressive hyperglycemia on ovarian structure and function in the spontaneously diabetic Chinese hamster. Garris DR. **Anat Rec** 1984 Nov;210(3):485-9

Primary ovarian sarcoma: a case report. Gupta OP, et al. **East Afr Med J** 1984 Oct;61(10):775-7

Histology, ultrastructure, and immunohistochemistry of strumal carcinoid: a case report. Senterman MK, et al. **Int J Gynecol Pathol** 1984;3(2):232-40

A rare malignant ovarian mixed germ cell tumor containing pancreatic tissue with islet cells. Ueda G, et al. **Int J Gynecol Pathol** 1984;3(2):220-31

Fibromatosis and massive edema of the ovary, possibly related entities: a report of 14 cases of fibromatosis and 11 cases of massive edema. Young RH, et al. **Int J Gynecol Pathol** 1984;3(2):153-78

Thyroid adenoma and ovarian luteinization in an aged fisher (Martes pennanti). Carlson BL, et al. **J Wildl Dis** 1985 Jul;21(3):320-4

Primary malignant melanoma in an ovarian cystic teratoma. A case report and literature review. Parekh MA. **Mo Med** 1985 Jan;82(1):18-20

Leiomyosarcoma of the ovary. Reddy SA, et al. **NY State J Med** 1985 May;85(5):218-20

Stage II benign cystic teratoma with malignant squamous degeneration. Seltzer V, et al. **NY State J Med** 1985 May;85(5):224-5

Massive oedema of the ovary. Case reports. Tiltman AJ, et al. **S Afr Med J** 1984 Dec 15;66(24):924-6

Comparative effects of the sublethal poisoning of zinc, copper and lead on the gonads of the teleost Puntius conchonius ham. Kumar S, et al. **Toxicol Lett** 1984 Nov;23(2):189-94

Ovarian lesions in heifers exposed to infectious bovine rhinotracheitis virus by non-genital routes on the day after breeding. Van der Maaten MJ, et al. **Vet Microbiol** 1985 Jan;10(2):155-63

[Laparoscopic assessment of gonadal function] Gu CX. **Chung Hua I Hsueh Tsa Chih** 1985 Jan;65(1):26-9 **(Chi)**

[Borderline tumors of the ovary. New aspects on morphologic prognosis determination] Dietel M, et al. **Geburtshilfe Frauenheilkd** 1985 Apr;45(4):213-9 (Eng. Abstr.) **(Ger)**

[Anatomo-clinical correlations in the polycystic ovary syndrome] Sandrucci S, et al. **Minerva Chir** 1984 Dec 15-31;39(23-24):1701-8 (Eng. Abstr.) **(Ita)**

[Endocrinomorphologic correlation of the ovary in menopause] González Guerra OV, et al. **Ginecol Obstet Mex** 1984 Sep;52(329):227-30 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Study on ovarian function following tubal ligation. Sun XD, et al. **Acta Acad Med Wuhan** 1985;5(2):119-20

Prolactin and pituitary-gonadal function in cigarette smoking infertile patients. Andersen AN, et al. **Andrologia** 1984 Sep-Oct;16(5):391-6

Ovarian stimulation regimens in an in vitro fertilization program: a comparative analysis. Bayly CM, et al. **Ann NY Acad Sci** 1985;442:123-7

Selection of the dominant ovarian follicle and hormonal enhancement of the natural cycle. Hodgen GD, et al. **Ann NY Acad Sci** 1985;442:23-37

Use of various ovarian stimulation methods to improve oocyte and embryo production for human in vitro fertilization. Marrs RP, et al. **Ann NY Acad Sci** 1985;442:112-8

Psychosocial influences on female 'protection' among cynomolgus macaques. Kaplan JR, et al. **Atherosclerosis** 1984 Dec;53(3):283-95

Program for the eighteenth annual meeting of the Society for the Study of Reproduction, including a symposium on gonadal function and fetal development under stress. Montreal, Quebec, Canada, July 22-25, 1985. Abstracts. **Biol Reprod** 1985;32 Suppl 1:38-241

Effects of pulsatile infusion of luteinizing hormone-releasing hormone on luteinizing hormone secretion and ovarian function in hypophysial stalk-transected beef heifers. Awotwi EK, et al. **Biol Reprod** 1984 Dec;31(5):989-99

Role of ovarian steroid hormones in the regulation of adenylate cyclase during early progestation. Bekairi AM, et al. **Biol Reprod** 1984 Nov;31(4):752-8

Effect of reduced ovarian tissue on cyclicity, basal hormonal levels and follicular development in old rats. Butcher RL. **Biol Reprod** 1985 Mar;32(2):315-21

Effect of suckling and ovariectomy on the control of luteinizing hormone secretion during the postpartum period in beef cows. Garcia-Winder M, et al. **Biol Reprod** 1984 Nov;31(4):771-8

Effect of follicular fluid treatment on follicle-stimulating hormone, luteinizing hormone and compensatory ovarian hypertrophy in prepuberal gilts. Redmer DA, et al. **Biol Reprod** 1985 Feb;32(1):111-9

Effects of the intensity of the suckling stimulus and ovarian steroids on pituitary gonadotropin-releasing hormone receptors during lactation. Smith MS. **Biol Reprod** 1984 Oct;31(3):548-55

Further data indicating ovarian hormone independent cells in the human endocervical crypts. Faccioli G. **Boll Soc Ital Biol Sper** 1985 Jan 30;61(1):39-45

Further evidence for hypothalamic asymmetry in endocrine control of the ovary. Nance DM, et al. **Brain Res Bull** 1984 Nov;13(5):651-5

The investigation of female gonadal dysfunction. Morris DV, et al. **Clin Endocrinol Metab** 1985 Feb;14(1):125-43 (84 ref.)

Insulin-like growth factors as intraovarian regulators of granulosa cell growth and function. Adashi EY, et al. **Endocr Rev** 1985 Summer;6(3):400-20 (232 ref.)

The ovarian androgen producing cells: a review of structure/function relationships. Erickson GF, et al. **Endocr Rev** 1985 Summer;6(3):371-99 (215 ref.)

The effect of chronic and acyclic elevation of circulating androstenedione or estrone concentrations on ovarian function in the rhesus monkey. Billiar RB, et al. **Endocrinology** 1985 Jun;116(6):2209-20

Evidence for a physiological role of gonadotropin-releasing hormone (GnRH) or GnRH-like material in the ovary. Birnbaumer L, et al. **Endocrinology** 1985 Apr;116(4):1367-70

The nonluteal porcine ovary as a source of angiogenic activity. Makris A, et al. **Endocrinology** 1984 Nov;115(5):1672-7

Age-correlated and ovary-dependent changes in relationships between plasma estradiol and luteinizing hormone, prolactin, and growth hormone in female C57BL/6J mice. Mobbs CV, et al. **Endocrinology** 1985 Feb;116(2):813-20

Gonadal status influences developmental patterns of serum prolactin in female rhesus monkeys housed outdoors. Wilson ME, et al. **Endocrinology** 1985 Feb;116(2):640-5

Effect of long-term treatment of norethisterone on the ovary of the cycling albino rat. Sahu A, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):203-10

Is low temperature of the follicular fluid prior to ovulation necessary for normal oocyte development? Grinsted J, et al. **Fertil Steril** 1985 Jan;43(1):34-9

Further evidence that big,big prolactin is preferentially secreted in women with hyperprolactinemia and normal ovarian function. Larrea F, et al. **Fertil Steril** 1985 Jul;44(1):25-30

Ovarian inhibition of juvenile hormone synthesis in the viviparous cockroach, Diploptera punctata. Rankin SM, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):230-7

Effects of short-term exposure to catecholestrogens on serum concentrations of gonadotrophins and metabolism of catecholestrogens in ovariectomized rats. Ball P, et al. **Horm Metab Res** 1985 Apr;17(4):184-8

Insulinotropic effect of ovarian steroid hormones in streptozotocin diabetic female mice. Puah JA, et al. **Horm Metab Res** 1985 Apr;17(4):216-8

Longitudinal studies of luteal function by salivary progesterone determinations. Walker SM, et al. **Horm Res** 1984;20(4):231-40

Role of ovarian hormones on hoarding in rats--feedback mechanism. Borker AS, et al. **Indian J Physiol Pharmacol** 1984 Oct-Dec;28(4):253-8

Ovarian function in monkeys after bilateral salpingectomy. Zhao JR, et al. **Int J Fertil** 1984;29(2):118-21

Feedlot performance of hysterectomized and ovariectomized heifers. Hamernik DL, et al. **J Anim Sci** 1985 Feb;60(2):358-62

Effect of unilateral ovariectomy and injection of bovine follicular fluid on gonadotropin secretion and compensatory ovarian hypertrophy in prepuberal heifers. Johnson SK, et al. **J Anim Sci** 1985 Apr;60(4):1055-60

Ovarian and uterine morphology and function in Angus and Brahman cows. Segerson EC, et al. **J Anim Sci** 1984 Oct;59(4):1026-46

Relationships among dietary lipid intake, serum cholesterol and ovarian function in Holstein heifers. Talavera F, et al. **J Anim Sci** 1985 Apr;60(4):1045-51

Effects of metoclopramide-induced hyperprolactinemia during early follicular development on human ovarian function. Kauppila A, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):875-81

Physical exercise-induced changes and season-associated differences in the pituitary-ovarian function of runners and joggers. Ronkainen H, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):416-22

Ovarian activity of Holstein and Jersey cows of diverse transmitting abilities for milk. Dachir S, et al. **J Dairy Sci** 1984 Aug;67(8):1776-82

Can the transition into anoestrus in the ewe be accounted for solely by insufficient tonic LH secretion? Legan SJ, et al. **J Endocrinol** 1985 Jul;106(1):55-60

Induction of selective release of FSH in castrated male rats bearing an ovarian transplant by the administration of human chorionic gonadotrophin. Watanabe G, et al. **J Endocrinol** 1985 Jul;106(1):31-6

Infantile ovariectomy potentiates the stimulatory effect of oestrogen/progesterone on LH secretion in the rat. Wilkinson M, et al. **J Endocrinol** 1985 Jul;106(1):133-9

Influence of growth hormone, corticosterone, corticotrophin and changes in the environmental temperature on pituitary-ovarian function in the immature rat. Wilson CA, et al. **J Endocrinol** 1985 Feb;104(2):179-83

Interrelationships between the hypothalamus, pituitary gland, ovary, adrenal gland, and the open period for LH release in the hen (Gallus domesticus). Etches RJ, et al. **J Exp Zool** 1984 Dec;232(3):501-11 (26 ref.)

Placental lactogen secretion in the mouse: in vitro responses and ovarian and hormonal influences. Soares MJ, et al. **J Exp Zool** 1985 Apr;234(1):97-104

Effect of intravaginal implants of melatonin on the onset of ovarian activity in adult and prepubertal ewes. Nowak R, et al. **J Reprod Fertil** 1985 May;74(1):287-93

Changes in pituitary and ovarian LHRH receptors after active immunization of female rats against LH or LHRH. Popkin RM, et al. **J Reprod Fertil** 1985 Mar;73(2):491-6

The mechanisms of LHRH agonist action in gonadal tissues. Cooke BA, et al. **Mol Cell Endocrinol** 1985 Jul;41(2-3):115-22 (68 ref.)

Hypothalamic laterality in regulating gonadotropic function: unilateral hypothalamic lesion and ovarian compensatory hypertrophy. Fukuda M, et al. **Neurosci Lett** 1984 Oct 26;51(3):365-70

Estrous synchrony: modulation of ovarian cycle length by female pheromones. McClintock MK. **Physiol Behav** 1984 May;32(5):701-5

Androgens and reproductive behavior in ovariectomized ring doves. Rissman EF, et al. **Physiol Behav** 1984 Apr; 32(4):697-9

The effects of unilateral ovariectomy during pregnancy on placental and fetal growth in mice. Dewar AD, et al. **Placenta** 1984 Jul-Aug;5(4):323-7

Physiological peripubertal activation of the ovary is not reproduced by pregnant mare serum gonadotropin (PMSG) administration. Aguado LI, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):121-5

Physiology and biochemistry of ovarian inhibin. Channing CP, et al. **Proc Soc Exp Biol Med** 1985 Mar;178(3):339-61 (132 ref.)

Functional alterations in the social organization of bonnet macaques (Macaca radiata) induced by ovariectomy: an experimental analysis. Rasmussen DR. **Psychoneuroendocrinology** 1984;9(4):343-74

The effect of undernutrition of beef cows on blood hormone and metabolite concentrations post partum. Easdon MP, et al. **Reprod Nutr Dev** 1985;25(1A):113-26

Effects of ovariectomy and androgen treatment on the thymic pathology of NZB X SJL mice. Dumont F. **Thymus** 1985; 7(1):37-48

Effects of neonatal ovariectomy on antibody production. Jimenez-Jouve de Guibert C, et al. **Thymus** 1985; 7(2):119-22

Ultrasonically induced temperature elevation in mouse ovary. Bailey KI, et al. **Ultrasound Med Biol** 1984 Jul-Aug; 10(4):L492-9

Effect of testosterone immunisation on ovarian activity in pony mares during late winter and spring. Goddard PJ, et al. **Vet Rec** 1985 Apr 6;116(14):374-5

[Study of the interrelationship of prolactin secretion, thyroid and ovarian function] Hu ZZ. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Oct;19(4):210-4, 256-7 (Eng. Abstr.) **(Chi)**

[Ovarian function following ligation of the fallopian tubes] Sun XD. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jul; 19(3):166-7, 191 (Eng. Abstr.) **(Chi)**

[Ovarian function after hysterectomy] Monnier JC, et al. **LARC Med** 1984 Aug-Sep;4(7):405-10 (Eng. Abstr.) **(Fre)**

[Physiopathology of the menopause] Mornex R. **Rev Fr Gynecol Obstet** 1985 Mar;80(4):187-90 (Eng. Abstr.) **(Fre)**

[Experimental studies on the effect of ovarian hormones on the development of rat mandibles] Duncker M, et al. **Fortschr Kieferorthop** 1984 Dec;45(6):428-34 (Eng. Abstr.) **(Ger)**

[Clinical studies of follicle formation in the bovine ovary] Schneebeli J, et al. **Schweiz Arch Tierheilkd** 1985 Mar; 127(3):213-30 (Eng. Abstr.) **(Ger)**

[Hypothalamic control of ovarian function and its disorders] Wildt L, et al. **Wien Med Wochenschr** 1984 Sep 15; 134(17):378-82 (Eng. Abstr.) **(Ger)**

[Reaction of neurons of the basolateral group of nuclei of the amygdaloid complex to gonadectomy in the rat] Kalimullina LB. **Arkh Anat Gistol Embriol** 1985 Mar; 88(3):20-6 (Eng. Abstr.) **(Rus)**

[Neurohormonal control of the ovarian cycle] Babichev VN. **Zh Obshch Biol** 1984 Jul-Aug;45(4):491-506 (Eng. Abstr.) **(Rus)**

[Effects of thyroidectomy and submaxillary sialoadenectomy on physiological parameters in the female rat] Dominguez-López O, et al. **Rev Esp Fisiol** 1985 Jun; 41(2):151-9 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Ovarian function after therapy for Hodgkin's disease. Geraci P, et al. **Acta Eur Fertil** 1984 Jul-Aug;15(4):295-300

Pregnancy in a young woman with hypergonadotropic 'ovarian failure'. Voigt S. **Acta Obstet Gynecol Scand** 1984; 63(8):733-4

Effect of primary and recurrent infections bovine rhinotracheitis virus infection on the bovine ovary. Miller JM, et al. **Am J Vet Res** 1985 Jul;46(7):1434-7

A possible role of vasopressin in the control of ovarian activity. Punnonen RH, et al. **Ann NY Acad Sci** 1985; 442:236-9

Ovariectomy, social status, and atherosclerosis in cynomolgus monkeys. Adams MR, et al. **Arteriosclerosis** 1985 Mar-Apr; 5(2):192-200

Effects of cobalt deficiency on the ovarian function in the East African short-horned goat. Mgongo FO, et al. **Beitr Trop Landwirtsch Veterinarmed** 1985;23(2):207-16

Delayed anovulatory syndrome induced by estradiol in female C57BL/6J mice: age-like neuroendocrine, but not ovarian, impairments. Mobbs CV, et al. **Biol Reprod** 1985 Jun;32(5):1010-7

Hyperprolactinemia--influence on hypothalamic-pituitary-gonadal axis. Nyboe Andersen A. **Dan Med Bull** 1984 Dec;31(6):413-24 (92 ref.)

Hypothalamic-pituitary gonadal dysfunction in renal failure, dialysis and renal transplantation. Handelsman DJ. **Endocr Rev** 1985 Spring;6(2):151-82 (483 ref.)

Protection of ovarian function by continuous light in alloxan diabetic rats. Biswas NM, et al. **Folia Biol (Krakow)** 1984; 32(1-2):13-6

Menstrual pattern and ovarian function in women with hyperprolactinemia. Bahamondes L, et al. **Int J Gynaecol Obstet** 1985 Feb;23(1):31-6

True hermaphroditism: from female to male endocrine status. Kuhn JM, et al. **J Clin Endocrinol Metab** 1985 Jul; 61(1):196-9

Treatment of true precocious puberty with a potent luteinizing hormone-releasing factor agonist: effect on growth, sexual maturation, pelvic sonography, and the hypothalamic-pituitary-gonadal axis. Styne DM, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):142-51

Automation and limitation of 17 beta oestradiol dehydrogenase in monitoring ovarian function. Hay DL, et al. **J Clin Pathol** 1985 Aug;38(8):921-5

Intersexuality in five pigs, with particular reference to oestrous cycles, the ovotestis, steroid hormone secretion and potential fertility. Hunter RH, et al. **J Endocrinol** 1985 Aug;106(2):233-42

Effects of stress on the gonadal function. Collu R, et al. **J Endocrinol Invest** 1984 Oct;7(5):529-37 (99 ref.)

Endocrine dysfunction in anorexia nervosa and bulimia: comparison with abnormalities in other psychiatric disorders and disturbances due to metabolic factors. Hudson JI, et al. **Psychiatr Dev** 1984 Winter;2(4):237-72 (246 ref.)

The influence of cobalt/vitamin B12 deficiency as a 'stressor' affecting adrenal cortex and ovarian activities in goats. Mgongo FO, et al. **Reprod Nutr Dev** 1984;24(6):845-54

[Morphological changes in the functioning ovary of the rat after unilateral ovariectomy] Konstantinov N, et al. **Vet Med Nauki** 1984;21(9):57-67 (Eng. Abstr.) **(Bul)**

[Gonadal function in anorexia nervosa patients in the postcritical phase] Lecomte P, et al. **Ann Endocrinol (Paris)** 1984;45(6):397-401 (Eng. Abstr.) **(Fre)**

[Reflex diagnosis of functional uterine and ovarian disorders after surgical procedures in tubal pregnancy] Dorogova EA, et al. **Akush Ginekol (Mosk)** 1984 Aug;(8):42-4 (Eng. Abstr.) **(Rus)**

[Use of functional tests for defining the origin of menstruation disorders] Pamfamirov IuK, et al. **Akush Ginekol (Mosk)** 1985 Feb;(2):25-8 (Eng. Abstr.) **(Rus)**

[Endocrine changes in women with galactorrhea] Sadykova MSh, et al. **Akush Ginekol (Mosk)** 1985 Feb;(2):22-5 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the adrenal and gonadal functions in human beings and hamadryas baboons with hemoblastosis] Goncharova ND, et al. **Eksp Onkol** 1985; 7(3):47-50 (Eng. Abstr.) **(Rus)**

[Functional state of the pituitary-ovarian system in women with a history of habitual abortion] Baituraeva TK, et al. **Probl Endokrinol (Mosk)** 1984 Nov-Dec;30(6):25-7 (Eng. Abstr.) **(Rus)**

[Morphofunctional status of the ovaries in patients with congenital adrenal cortical dysfunction] Bronshtein ME, et al. **Probl Endokrinol (Mosk)** 1985 Mar-Apr;31(2):22-5 (Eng. Abstr.) **(Rus)**

[The hypothalamo-hypophyseal-gonadal system and sexual function of women with Cushing's syndrome] Cheban AK, et al. **Probl Endokrinol (Mosk)** 1984 Sep-Oct;30(5):86-91 (108 ref.) **(Rus)**

[Functional state of the hypothalamo-pituitary-gonadal axis in chronic renal failure] Kukhtevich AV, et al. **Ter Arkh** 1984;56(7):139-44 (65 ref.) **(Rus)**

[Adenohypophyseal and gonadal functions in acne vulgaris patients] Maiatskaia TV. **Vestn Dermatol Venerol** 1985 Jan; (1):20-3 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Gonadal effects of cancer therapy in girls. Nicosia SV, et al. **Cancer** 1985 May 15;55(10):2364-72

The survival of cytochalasin-induced multinucleation following irradiation of Chinese hamster ovary cells. Court JB, et al. **Cell Biol Int Rep** 1985 Mar;9(3):219-27

Histopathological changes in the ovary following acute and chronic low-level tritium exposure to mice in vivo. Kapoor G, et al. **Int J Radiat Biol** 1985 Feb;47(2):197-203

Discrimination between the effects of X-ray irradiation of the mouse oocyte and uterus on the induction of dominant lethals and congenital anomalies. II. Localised irradiation experiments. West JD, et al. **Mutat Res** 1985 Apr; 149(2):231-8

[Evaluation of pelvic irradiation during x-ray computed tomography] Magnin G, et al. **Rev Fr Gynecol Obstet** 1984 Jan;79(1):1-2, 5 (Eng. Abstr.) **(Fre)**

SECRETION

Effect of suckling on the hypothalamic-pituitary axis in postpartum beef cows, independent of ovarian secretions. Hinshelwood MM, et al. **Biol Reprod** 1985 Mar; 32(2):290-300

In vitro simulation of prepubertal changes in pulsatile luteinizing hormone release enhances progesterone and 17 beta-estradiol secretion from immature rat ovaries. Urbanski HF, et al. **Endocrinology** 1985 Aug;117(2):638-43

Demonstration of a gradient in inhibin activity, estrogen, progesterone, and delta 4-androstenedione in follicular fluid, ovarian vein blood, and peripheral blood of normal women. Channing CP, et al. **Fertil Steril** 1985 Jan; 43(1):142-5

Follicle-stimulating hormone increases ovarian vein nonsteroidal factors with gonadotropin-inhibiting activity. Schenken RS, et al. **Fertil Steril** 1984 Nov;42(5):785-90

Nonluteal source of lordosis-promoting progesterone secretion in guinea pigs. Feder HH, et al. **Horm Behav** 1985 Mar;19(1):104-9

Periovulatory changes in female sexual behavior and patterns of ovarian steroid secretion in group-living rhesus monkeys. Wallen K, et al. **Horm Behav** 1984 Dec; 18(4):431-50

Effects of pup sucking behaviour on inhibition of sexual behaviour and ovulatory secretion of LH in lactating rats. Lindblom C, et al. **J Endocrinol** 1985 Mar;104(3):419-25

Evidence for the secretion of immunoreactive neurophysin I in addition to oxytocin from the ovary in cattle. Schams D, et al. **J Reprod Fertil** 1985 Jan;73(1):165-71

Cyclical ovarian function resistant to treatment with an analogue of luteinizing hormone releasing hormone in McCune-Albright syndrome. Comite F, et al. **N Engl J Med** 1984 Oct 18;311(16):1032-6

Role of dehydroepiandrosterone sulfate as a prehormone for ovarian steroidogenesis. Haning RV Jr, et al. **Obstet Gynecol** 1985 Feb;65(2):199-205

[Preservation of the ovaries in peri-menopause] Trevoux R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984; 13(4):375-80 (Eng. Abstr.) **(Fre)**

[Intradermal hormone test in adolescent girls with obesity] Grebova LP. **Pediatriia** 1984 Dec;(12):30-3 **(Rus)**

SURGERY

Long-term survival rates with various chemotherapeutic regimens in stages III and IV ovarian adenocarcinoma. The influence of optimum pretreatment surgical resection. Barlow JJ, et al. **Am J Obstet Gynecol** 1985 Jun 1; 152(3):310-4

Technique and results of ovarian microsurgery in preparation for in vitro fertilization. Winston RM, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Dec;18(5-6):381-90

A simple technique of ovarian suspension in preparation for in vitro fertilization. DeCherney AH, et al. **Fertil Steril** 1985 Apr;43(4):659-61

Microsurgical transposition of the human fallopian tube and ovary with subsequent intrauterine pregnancy. Gomel V, et al. **Fertil Steril** 1985 May;43(5):804-8

Evaluation of adhesion reformation by early second-look laparoscopy following microlaser ovarian wedge resection. McLaughlin DS. **Fertil Steril** 1984 Oct;42(4):531-7

[Results of preparatory surgery for in vitro fertilization with embryo transfer] Cohen J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(2):223-5 (Eng. Abstr.) **(Fre)**

[Lasers in uterine microsurgery: experimental research] Garsia S, et al. **Ann Ostet Ginecol Med Perinat** 1984 May-Jun;105(3):171-85 (Eng. Abstr.) **(Ita)**

[Transposition of the ovary. Anatomical bases and notes on surgical technic] Boltri F, et al. **Minerva Chir** 1984 Nov 30;39(22):1587-92 (Eng. Abstr.) **(Ita)**

[Preclinical study of endoscopic laser coagulation of human ovaries] Kojima E, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jul;37(7):1151-5 (Eng. Abstr.) **(Jpn)**

[Wedge resection of the ovaries] Jakowicki J. **Ginekol Pol** 1984 Oct;55(10):741-4 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Orthotopic ovarian transplantations in young and aged C57BL/6J mice. Parkening TA, et al. **Biol Reprod** 1985 Jun;32(5):989-97

The Estes operation (transposition of one ovary to the uterine cavity): its results in the rabbit model. Coppo M, et al. **J In Vitro Fert Embryo Transfer** 1985 Mar;2(1):41-5

High correlation between prolactinemia, 125-I hLH binding and progesterone secretion by an experimental luteoma. Lux VA, et al. **Life Sci** 1984 Dec 3;35(23):2345-52

[Clinical long term observations on the function of ovaries autotransplanted at radical hysterectomy on cervical carcinoma patients] Yamada Y. **Hokkaido Igaku Zasshi** 1985 Jan;60(1):38-47 (Eng. Abstr.) **(Jpn)**

[Age-related characteristics of tumor development in ovaries transplanted into the rat spleen] Anisimov VN, et al. **Vopr Onkol** 1984;30(9):85-90 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

An ultrastructural study of relationships between the ovarian haemal system, follicle cells, and primary oocytes in the sea star, Asterias rubens. Implications for oocyte nutrition. Beijnink FB, et al. **Cell Tissue Res** 1984;238(2):339-47

The correlation of fine structure with endocrine function of ovarian follicle cells in tadpoles. Hsü CY, et al. **Gen Comp Endocrinol** 1985 Jan;57(1):77-87

Surface morphology of ovarian mesothelium (surface epithelium) and of other pelvic and extrapelvic mesothelial sites in the rabbit. Nicosia SV, et al. **Int J Gynecol Pathol** 1984;3(3):249-60

The fine structure of the human ovarian hilus cells. Nishida T, et al. **Kurume Med J** 1984;31(3):171-84

Imaging elemental distribution and ion transport in cultured cells with ion microscopy. Chandra S, et al. **Science** 1985 Jun 28;228(4707):1543-4

[Endocrine profile and electron microscopic study of ovarian androblastoma] Inoue S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Aug; 36(8):1155-62 (Eng. Abstr.) **(Jpn)**

OVER THE COUNTER DRUGS see **DRUGS, NON-PRESCRIPTION**

OVERALL AND GORHAM BRIEF PSYCHIATRIC RATING SCALE see under **PSYCHIATRIC STATUS RATING SCALES**

OVERDOSE see **POISONING**

OVERINCLUSION see under **COGNITION DISORDERS**

OVERLEARNING

Suppression of pica by overcorrection and physical restraint: a comparative analysis. Singh NN, et al. **J Autism Dev Disord** 1984 Sep;14(3):331-41

PHYSIOLOGY

[Discrimination reversal learning in rats under the treatment of chlordiazepoxide: effect of overtraining] Ichitani Y, et al. **Shinrigaku Kenkyu** 1984 Aug;55(3):176-80 (Eng. Abstr.) **(Jpn)**

OVIDUCTS

The role of 17 beta-estradiol in the recovery from oviductal prolapse in layers. Shemesh M, et al. **Poult Sci** 1984 Aug; 63(8):1638-43

ANALYSIS

Structural analysis of chicken oviduct progesterone receptor using monoclonal antibodies to the subunit B protein. Edwards DP, et al. **Biochemistry** 1984 Sep 11; 23(19):4427-35

Reconstitution of nativelike nuclear acceptor sites of the avian oviduct progesterone receptor: evidence for involvement of specific chromatin proteins and specific DNA sequences. Spelsberg TC, et al. **Biochemistry** 1984 Oct 23;23(22):5103-13

The distribution of monosaccharides and hexosamines in the oviduct of Salamandra salamandra (L.) (Amphibia, Urodela). Greven H, et al. **Comp Biochem Physiol [B]** 1984; 79(2):229-32

An approach to searching for specific proteins associated with active genes in hen oviduct. Kato Y, et al. **Endocrinol Jpn** 1984 Aug;31(4):509-22

Immunological similarity between the chick oviduct progesterone receptor forms A and B. Gronemeyer H, et al. **J Biol Chem** 1985 Jun 10;260(11):6916-25

Estrogen receptor in chicken oviduct: receptor dissociation kinetics and transformation. de Boer W, et al. **J Steroid Biochem** 1985 Jul;23(1):9-18

Interaction of chick oviduct progesterone receptor with immobilized aurintricarboxylic acid. Moudgil VK, et al. **J Steroid Biochem** 1985 Jun;22(6):747-51

Non-activated progesterone receptor extracted from nuclei of hen oviduct. Wolfson AJ. **J Steroid Biochem** 1984 Nov; 21(5):519-21

ANATOMY & HISTOLOGY

Estriol-induced changes in ovary and oviduct of the domestic pigeon Columbia livia Gmelin. Manna CK, et al. **Indian J Exp Biol** 1984 Jun;22(6):335-7

CYTOLOGY

Two mucous cell types revisited after quick-freezing and cryosubstitution. Sandoz D, et al. **Biol Cell** 1985;54(1):79-88

The chick oviduct in tissue culture. I. Initial characterization of growing primary oviduct tissue cultures. Seaver SS, et al. **Exp Cell Res** 1984 Nov;155(1):241-51

Cytological changes in human oviduct epithelium during the menstrual cycle. Martínek J. **Folia Morphol (Praha)** 1984; 32(4):398-402

Progesterone receptor in the chick oviduct: an immunohistochemical study with antibodies to distinct receptor components. Gasc JM, et al. **J Cell Biol** 1984 Oct; 99(4 Pt 1):1193-201

DRUG EFFECTS

Long-term toxicity of a hydrogelic occlusive device in the isthmus of the human oviduct. A light microscopic study. Brundin J, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1985 May; 93(3):121-6

Opposite effects of glucocorticoid on estrogen-induced growth and differentiation of quail oviduct: demonstration by sequential treatments. Boisvieux-Ulrich E, et al. **Biol Cell** 1984;51(3):335-46

Response of amphibian (Ambystoma tigrinum) oviduct to arginine vasotocin and acetylcholine in vitro: influence of steroid hormone pretreatment in vivo. Guillette LJ Jr, et al. **Comp Biochem Physiol** [C] 1985;80(1):151-4

Desensitization of the chick oviduct to estrogen: mediation at different levels of gene expression. Skafar DF, et al. **Endocrinology** 1985 May;116(5):1755-62

Growth stimulation of the immature chick oviduct by androgens: the vagina as a new target tissue. Grau Y, et al. **J Embryol Exp Morphol** 1985 Feb;85:81-93

Histochemical study of secretory and ciliated cells from rabbit oviduct epithelium using the lectin-differences in concanavalin A reactivity of secretory cells depending on oviductal location. Fujita K, et al. **Okajimas Folia Anat Jpn** 1984 Dec;61(5):337-45

Chlordecone (Kepone) induced ultrastructural and morphometric alterations in the cells of the immature quail oviduct. Eroschenko VP, et al. **Toxicology** 1984 Oct; 33(1):19-32

ENZYMOLOGY

Arylsulphatases A and B in the oviduct of female rabbits in anestrus and estrus conditions. Vitaioli L, et al. **Acta Histochem (Jena)** 1984;75(2):141-8

Activity and distribution of carbonic anhydrase in the oviduct of the laying hen (Gallus domesticus) during egg formation at three different periods in spring and summer seasons. Kansal ML, et al. **Acta Physiol Pharmacol Bulg** 1984; 10(3):57-62

Oviduct dolichyl phosphate phosphatase: estrogen effects and a possible biosynthetic role. DeRosa PA, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):537-45

Partial purification and characterization of the calcium-dependent and phospholipid-dependent protein kinase C from chick oviduct. Horn F, et al. **Eur J Biochem** 1985 May 2;148(3):533-8

Purification of protein phosphatase from hen oviduct. Kanayama K, et al. **FEBS Lett** 1985 May 6;184(1):78-81

GROWTH & DEVELOPMENT

Detection of plasma membrane cholesterol by filipin during microvillogenesis and ciliogenesis in quail oviduct. Chailley B, et al. **J Histochem Cytochem** 1985 Jan;33(1):1-10

Age-dependent changes of nuclear envelope protein phosphokinase and protein phosphatase activities. Significance for altered nucleo-cytoplasmic mRNA translocation during development. Schröder HC, et al. **Mech Ageing Dev** 1984 Sep;27(1):87-95

METABOLISM

PGE2 binding, synthesis, and distribution in hen oviduct. Asbóth G, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E80-8

Preliminary researches on the characterization of the glycoconjugates in the oviduct of Rana esculenta complex during its reproductive cycle. Menghi G, et al. **Anat Anz** 1985;158(4):337-41

Distribution of lectin binding sites in rabbit oviduct. Menghi G, et al. **Anat Rec** 1985 Mar;211(3):279-84

Hydrolysis of dolichyl esters by oviduct membranes and characterization of endogenous dolichyl esters. Malvar TM, et al. **Arch Biochem Biophys** 1985 May 1;238(2):401-9

Regulation of dolichyl phosphate-mediated protein glycosylation: estrogen effects on glucosyl transfers in oviduct membranes. Starr CM, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):261-70

Decreased ovalbumin-gene response to oestrogen in the prenatally diethylstilboestrol-exposed chick oviduct. Teng CS, et al. **Biochem J** 1985 Jun 15;228(3):689-95

Effects of progesterone and tamoxifen on glucocorticosteroid-induced egg-white protein synthesis in the chick oviduct. Le Bouc Y, et al. **Endocrinology** 1985 Jun;116(6):2384-92

Problems and artifacts in the identification of nuclear acceptor sites for the avian oviduct progesterone receptor. Littlefield BA, et al. **Endocrinology** 1985 Jul;117(1):412-4

Transformation of chick oviduct progesterone receptor in vitro: effects of hormone, salt, heat, and adenosine triphosphate. Moudgil VK, et al. **Endocrinology** 1985 Apr; 116(4):1267-74

Chicken egg white genes: multihormonal regulation in a primary cell culture system. Sanders MM, et al. **Endocrinology** 1985 Jan;116(1):398-405

Chick oviduct glucocorticosteroid receptor. Specific binding of the synthetic steroid RU 486 and immunological studies with antibodies to chick oviduct progesterone receptor. Groyer A, et al. **Eur J Biochem** 1985 Jun 3;149(2):445-51

The chick oviduct in tissue culture. II. Estrogen affects ovalbumin synthesis differently than oviduct cell proliferation. Seaver SS, et al. **Exp Cell Res** 1984 Nov; 155(1):252-60

Mediation by cellular retinol binding protein of a specific uptake of [3H]retinol by hen oviduct nuclei in vitro. Prasad VR, et al. **Indian J Biochem Biophys** 1985 Feb;22(1):31-5

Retention of estrogen receptors in vitro requires limited estradiol exposure in vivo. Riser ME, et al. **J Steroid Biochem** 1985 Jan;22(1):21-8

Binding of activated progesterone receptor to microsomes. Wolfson AJ, et al. **J Steroid Biochem** 1985 Jun;22(6):721-6

Evidence for age-dependent impairment of ovalbumin heterogeneous nuclear RNA (HnRNA) processing in hen oviduct. Schröder HC, et al. **Mech Ageing Dev** 1985 May 31;30(3):319-24

Reversible activation of non-steroid binding oestrogen receptor. Raymoure WJ, et al. **Nature** 1985 Apr 25-May 1;314(6013):745-7

Concentrations of selected cations in turkey serum and oviductal mucosae. Bakst MR, et al. **Poult Sci** 1985 Mar; 64(3):555-63

Evidence for specific DNA sequences in the nuclear acceptor sites of the avian oviduct progesterone receptor. Toyoda H, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4722-6

Diethylpyrocarbonate, a histidine selective reagent, inhibits progestin binding to chick oviduct cytosol. Baker ME, et al. **Steroids** 1983 Dec;42(6):593-602

Chick oviduct progesterone receptor binding of 15 beta, 17-dihydroxyprogesterone and its analogues. Baker ME, et al. **Steroids** 1984 Feb;43(2):153-8

Magnal steroid hormone receptors during egg formation in the domestic hen. Okulicz WC, et al. **Steroids** 1984 Mar; 43(3):261-70

MICROBIOLOGY

Isolation of infectious bronchitis virus from intestine and reproductive organs of laying hens with dropped egg production. Maiti NK, et al. **Avian Dis** 1985 Apr-Jun; 29(2):509-13

PHYSIOLOGY

Estrogen-like effects of combined dexamethasone and tamoxifen in the chick oviduct. Gravanis A, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):57-62

Proctolin, its presence in and action on the oviduct of an insect. Holman GM, et al. **Comp Biochem Physiol [C]** 1985; 80(1):61-4

ULTRASTRUCTURE

Ultrastructural changes in the oviductal epithelium of Merino ewes during the estrous cycle. Hollis DE, et al. **Am J Anat** 1984 Dec;171(4):441-56

Immunoelectron microscopical demonstration of endogenous avidin in secretory granules of the hen oviduct mucosa: a preliminary study. Kami K, et al. **Histochem J** 1984 Aug; 16(8):835-42

Scanning and transmission electron microscopic studies on the oviducts of Pekin ducks fed methyl mercury containing diets. Balachandran A, et al. **Scan Electron Microsc** 1985; (Pt 1):311-22

OVIDUCTS, MAMMALIAN see **FALLOPIAN TUBES**

OVIPOSITION

Studies on ticks of veterinary importance in Nigeria. XVI. The oviposition pattern of engorged Boophilus and Hyalomma species when subjected in the laboratory to artificially created factors. Dipeolu OO. **Acarologia** 1984 Oct;25(3):232-40

Activity and distribution of carbonic anhydrase in the oviduct of the laying hen (Gallus domesticus) during egg formation at three different periods in spring and summer seasons. Kansal ML, et al. **Acta Physiol Pharmacol Bulg** 1984; 10(3):57-62

Oviposition by African malaria vector mosquitoes. II. Effects of site tone, water type and conspecific immatures on target selection by freshwater Anopheles gambiae Giles, sensu lato. McCrae AW. **Ann Trop Med Parasitol** 1984 Jun; 78(3):307-18

Physiological responses of poultry to ambient temperature. van Kampen M. **Arch Exp Veterinarmed** 1984 May; 38(3):384-91

Demodectic oviposition in the eyelid. English FP, et al. **Aust N Z J Ophthalmol** 1985 Feb;13(1):71-3

Mycoplasma gallisepticum vaccination: further studies on egg transmission and egg production. Glisson JR, et al. **Avian Dis** 1985 Apr-Jun;29(2):408-15

Isolation of infectious bronchitis virus from intestine and reproductive organs of laying hens with dropped egg production. Maiti NK, et al. **Avian Dis** 1985 Apr-Jun; 29(2):509-13

Discrete hypothalamic distribution of luteinizing hormone-releasing hormone (LHRH) content and of LHRH-degrading activity in laying and nonlaying hens. Advis JP, et al. **Biol Reprod** 1985 May;32(4):820-7

Body weight and/or fatness as potential determinants of the onset of egg production in broiler breeder hens. Bornstein S, et al. **Br Poult Sci** 1984 Jul;25(3):323-41

A model of egg production. Charles DR. **Br Poult Sci** 1984 Jul;25(3):309-21

Sodium requirement of the turkey hen. Harms RH, et al. **Br Poult Sci** 1985 Apr;26(2):217-20

Production responses of layer strain hens to food restriction during rearing. Johnson RJ, et al. **Br Poult Sci** 1984 Jul; 25(3):369-87

Quantitative review of optimum amino acid intakes for young laying pullets. McDonald MW, et al. **Br Poult Sci** 1985 Apr;26(2):253-64 (32 ref.)

Genetic analysis of strain differences in pre-laying behaviour in battery cages. Mills AD, et al. **Br Poult Sci** 1985 Apr; 26(2):187-97

Pre-laying behaviour in battery cages. Mills AD, et al. **Br Poult Sci** 1985 Apr;26(2):247-52

Performance of laying hens as affected by split time and split composition dietary regiments using ground and unground cereals. Robinson D. **Br Poult Sci** 1985 Jul;26(3):299-309

Comparison of artificial light sources and lighting programmes for laying hens on long ahemeral light cycles. Rose SP, et al. **Br Poult Sci** 1985 Jul;26(3):357-65

Changes in the plasma concentration of immunoreactive arginine vasotocin during oviposition in the domestic fowl. Tanaka K, et al. **Br Poult Sci** 1984 Oct;25(4):589-95

Effect of adaptation to handling on the circulating corticosterone concentration of laying hens. Webb ML, et al. **Br Poult Sci** 1984 Jul;25(3):425-7

Effects of an advance of darkness on the ovulatory cycle of the hen. Wilson SC, et al. **Br Poult Sci** 1985 Jan; 26(1):83–96

Effect of deluteinization on plasma progesterone concentration and gestation in the lizard, Anolis carolinensis. Guillette LJ Jr, et al. **Comp Biochem Physiol [A]** 1985;80(3):303–6

Plasma concentrations of arginine vasotocin, prolactin, aldosterone and corticosterone in relation to oviposition and dietary NaCl in the domestic fowl. Rice GE, et al. **Comp Biochem Physiol [A]** 1985;81(4):769–77

Appendiceal schistosomiasis. Method of classifying oviposition and inflammation. Onuigbo WI. **Dis Colon Rectum** 1985 Jun;28(6):397–8

Effects of vitamin D3 deficiency on estradiol-17 beta metabolism in the laying hen. Tsang CP, et al. **Endocrinology** 1984 Dec;115(6):2170–5

Environmental and hormonal control of the seasonal egg laying period in field specimens of Lymnaea stagnalis. Dogterom GE, et al. **Gen Comp Endocrinol** 1985 Jan; 57(1):37–42

An oviposition-stimulating factor in the male accessory reproductive gland of the locust, Locusta migratoria. Lange AB, et al. **Gen Comp Endocrinol** 1985 Feb; 57(2):208–15

Egg retention in four snakes. Grain E Jr, et al. **J Am Vet Med Assoc** 1984 Sep 15;185(6):679–81

Influence of temperature and relative humidity on the gonotrophic cycle of Culex quinquefasciatus. Kaul HN, et al. **J Commun Dis** 1984 Sep;16(3):190–6

Some aspects of organic acid metabolism in Dermacentor andersoni female. Bassal TT, et al. **J Egypt Soc Parasitol** 1984 Dec;14(2):411–20

The egg mass and growth rate of Biomphalaria alexandrina under laboratory conditions. Kamel EG. **J Egypt Soc Parasitol** 1984 Dec;14(2):377–85

Induction of ovulation in vitro in the hen: dependency of the response to LH on age and rate of lay. Moudgal RP, et al. **J Endocrinol** 1985 Jul;106(1):67–9

Effect of dehydration, haemorrhage and oviposition on serum concentrations of vasotocin, mesotocin and prolactin in the chicken. Nouwen EJ, et al. **J Endocrinol** 1984 Sep; 102(3):345–51

Plasma hormones (arginine vasotocin, prolactin, aldosterone, and corticosterone) in relation to hydration state, NaCl intake, and egg laying in fowls. Arad Z, et al. **J Exp Zool** 1984 Dec;232(3):707–14 (27 ref.)

Dispersion of gravid Aedes triseriatus (Diptera: Culicidae) from woodlands into open terrain. Mather TN, et al. **J Med Entomol** 1984 Jul 26;21(4):384–91

Membrane mechanism of neuroendocrine caudo-dorsal cell inhibition by the ring neuron in the pond snail Lymnaea stagnalis. Jansen RF, et al. **J Neurobiol** 1985 Jan;16(1):15–26

Ring neuron control of columellar motor neurons during egg-laying behavior in the pond snail. Jansen RF, et al. **J Neurobiol** 1985 Jan;16(1):1–14

Induction of egg maturation and oviposition in the tick Ornithodoros parkeri (Acari: Argasidae). Oliver JH Jr, et al. **J Parasitol** 1984 Jun;70(3):337–42

Early egg production in genetically blind (rc/rc) chickens in comparison with sighted (Rc+/rc) controls. Ali A, et al. **Poult Sci** 1985 May;64(5):789–94

Concentrations of selected cations in turkey serum and oviductal mucosae. Bakst MR, et al. **Poult Sci** 1985 Mar; 64(3):555–63

Relationship of body fat to fertility in broiler breeder hens. Bilgili SF, et al. **Poult Sci** 1985 Jul;64(7):1394–6

Modified step-up protein feeding regimens for egg-type chickens. 1. Growth and production performance. Bish CL, et al. **Poult Sci** 1984 Dec;63(12):2450–7

Relationship of dietary calcium level during the prelay phase of an induced molt to postmolt performance. Brake J, et al. **Poult Sci** 1984 Dec;63(12):2497–500

Effect of a high-protein diet fed prior to the onset of lay on performance of broiler breeder pullets. Cave NA. **Poult Sci** 1984 Sep;63(9):1823–7

Phosphorous requirements of laying hens in a semiarid continental climate. Daghir NJ, et al. **Poult Sci** 1985 Jul; 64(7):1382–4

The effect of cyclic and constant ambient temperatures on feed consumption, egg production, egg weight, and shell thickness of hens. Emery DA, et al. **Poult Sci** 1984 Oct; 63(10):2027–35

Effects of comb dubbing on the performance of laying stocks. Fairfull RW, et al. **Poult Sci** 1985 Mar;64(3):434–9

Fatty acid compositions of triacylglycerols and phospholipids in hen liver lipid before and after sexual maturity. Fujii M, et al. **Poult Sci** 1985 Jul;64(7):1371–6

Influence of toe-clipping and stocking density on laying hen performance. Goodling AC, et al. **Poult Sci** 1984 Sep; 63(9):1722–31

The influence of the grower diet and fat in the layer diet on performance of turkey hens. Harms RH, et al. **Poult Sci** 1984 Aug;63(8):1634–7

The influence of feeding program on peak production and avoiding sudden declines in production with broiler breeders. Harms RH. **Poult Sci** 1984 Aug;63(8):1667–8

Effect of dietary calcium stress on plasma vitamin D3 metabolites in the egg-laying Japanese quail. Kaetzel DM Jr, et al. **Poult Sci** 1985 Jun;64(6):1121–7

The effect of different dietary protein levels in the rearing and laying periods on performance of white Leghorn chickens. Keshavarz K. **Poult Sci** 1984 Nov;63(11):2229–40

Effects of early maturation, layer protein level, and methionine concentration on production performance of brown-egg-type pullets. Kling LJ, et al. **Poult Sci** 1985 Apr;64(4):640–5

Effects of early maturation of brown egg-type pullets, flock uniformity, layer protein level, and cage design on egg production, egg size, and egg quality. Kling LJ, et al. **Poult Sci** 1985 Jun;64(6):1050–9

The effect of pelleting the layer ration on egg size in early-housed brown-egg-type layers. Kling LJ, et al. **Poult Sci** 1985 Jun;64(6):1242–4

Relationship of plasma corticosterone and adrenal cholesterol and corticosterone to the production of soft-shelled and shell-less eggs. Klingensmith PM, et al. **Poult Sci** 1984 Sep; 63(9):1841–5

Performance, behavior, plasma corticosterone, and economic returns of laying hens in several management alternatives. Koelkebeck KW, et al. **Poult Sci** 1984 Nov;63(11):2123–31

Comparison of dwarf and normal broiler breeder hens. Kousiakis D, et al. **Poult Sci** 1985 May;64(5):795–802

Fear-related responses of white Leghorn hens of several genetic stocks in five-bird cages and associations with quantitative traits. Kujiyat SK, et al. **Poult Sci** 1984 Sep; 63(9):1679–88

Feed restriction during the growing period, forced molt, and egg production. Lee K. **Poult Sci** 1984 Sep;63(9):1895–7

Relationship of plasma estradiol and progesterone levels to egg productivity in domestic chicken hens. Leszczynski DE, et al. **Poult Sci** 1985 Mar;64(3):545–9

Effectiveness of low sodium diets for recycling of egg production type hens. Naber EC, et al. **Poult Sci** 1984 Dec; 63(12):2419–29

Effect of cholesterol oxidation products on cholesterol metabolism in the laying hen. Naber EC, et al. **Poult Sci** 1985 Apr;64(4):675–80

Influence of phase feeding available phosphorus on egg production characteristics, carcass phosphorus content, and serum inorganic phosphorus levels of three commercial layer strains. Rodriguez M, et al. **Poult Sci** 1984 Aug; 63(8):1553–62

Effect of watering systems for floor-reared pullets on subsequent caged laying hen performance. Roush WB, et al. **Poult Sci** 1984 Dec;63(12):2331–4

A comparison of the effect of two force molting methods on performance of two commercial strains of laying hens. Said NW, et al. **Poult Sci** 1984 Dec;63(12):2399–403

Effect of dietary phosphorus level and source on productive performance and egg quality of two commercial strains of laying hens. Said NW, et al. **Poult Sci** 1984 Oct; 63(10):2007–19

Calculation and evaluation of energy: amino acid ratios for the egg-production type hen. Slagter PJ, et al. **Poult Sci** 1984 Sep;63(9):1810–22

Special calcium appetite in laying hens. Taher AI, et al. **Poult Sci** 1984 Nov;63(11):2261–7

Response of different commercial strains of laying hens to short total photoperiods in interrupted night experiments during days of 24 and 28 hours. van Tienhoven A, et al. **Poult Sci** 1984 Dec;63(12):2318–30

Arterial blood gas, pH, and bicarbonate values in laying hens selected for thick or thin eggshell production. Wideman RF Jr, et al. **Poult Sci** 1985 May;64(5):1015–9

Magnal steroid hormone receptors during egg formation in the domestic hen. Okulicz WC, et al. **Steroids** 1984 Mar; 43(3):261–70

Theory of oviposition strategy of parasitoids. I. Effect of mortality and limited egg number. Iwasa Y. **Theor Popul Biol** 1984 Oct;26(2):205–27

A severe reduction in egg laying in a flock of hens associated with trichothecene mycotoxins in the feed. Shlosberg A, et al. **Vet Hum Toxicol** 1984 Oct;26(5):384–6

In vitro studies on ovulatory mechanisms in the hen. Moudgal RP, et al. **Zentralbl Veterinarmed [A]** 1985 Mar; 32(3):179–84

[Effect of various factors on the selection of a site for oviposition by Musca domestica L. females] Zhemchukhina AA, et al. **Med Parazitol (Mosk)** 1985 Jan–Feb;(1):55–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Efficacy of experimental inactivated mycoplasma gallisepticum oil-emulsion bacterin in egg-layer chickens. Yoder HW Jr, et al. **Avian Dis** 1985 Apr–Jun;29(2):322–34

Beta-carotene supplementation of laying hen diets. Damron BL, et al. **Br Poult Sci** 1984 Jul;25(3):349–52

Induction of a pause in laying by corticosterone infusion or dietary alterations: effects on the reproductive system, food consumption and body weight. Williams JB, et al. **Br Poult Sci** 1985 Jan;26(1):25–34

Induction of oviposition in cycling Anolis carolinensis requires a beta-adrenoreceptor blocker and a high dosage of arginine vasotocin. Summers CH, et al. **Gen Comp Endocrinol** 1985 Mar;57(3):389–92

Prostaglandin induction of spawning behavior in Cichlasoma bimaculatum (Pisces cichlidae). Cole KS, et al. **Horm Behav** 1984 Sep;18(3):235–48

Changes of body temperature related to oviposition and ovulation induced by LH in the domestic hen. Kadono H, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):55–61

Delay of onset of oviposition in pullets promoted by 6-methoxybenzoxazolinone. Brake JD, et al. **Poult Sci** 1985 Apr;64(4):774–6

Virginiamycin and laying hen performance. Miles RD, et al. **Poult Sci** 1985 Jan;64(1):139–43

Choline and methionine supplementation of layer diets varying in protein content. Parsons CM, et al. **Poult Sci** 1984 Aug;63(8):1604–9

The effect of clomiphene-citrate on broody turkey hens. Robinzon B, et al. **Poult Sci** 1984 Nov;63(11):2268–70

Effects of supplementary vitamin D3 on egg production of two strains of Japanese quail and growth of their progeny. Stevens VI, et al. **Poult Sci** 1985 Mar;64(3):510–9

Fluorosis in the laying hen. Van Toledo B, et al. **Poult Sci** 1984 Aug;63(8):1543–52

RADIATION EFFECTS

The effect of supplementation of daylight with artificial light from various sources and at two intensities on the egg production of two lines of geese. Pyrzak R, et al. **Poult Sci** 1984 Sep;63(9):1846–50

OVOCYTES see **OOCYTES**

OVOMUCIN see under **EGG PROTEINS**

OVULATION

Measurement of pH in the lower female genital tract during the periovulatory period: comparison of electrometric and colorimetric procedures. Ragni G, et al. **Acta Eur Fertil** 1984 Sep–Oct;15(5):377–80

Coitus-induced ovulation and its implications for estimates of some reproductive parameters. James WH. **Acta Genet Med Gemellol (Roma)** 1984;33(4):547–55

Ultrasonic study of follicular maturation, ovulation and development of corpus luteum during normal menstrual cycles. Lenz S. **Acta Obstet Gynecol Scand** 1985;64(1):15–9

Role of the hypothalamus in the control of ovulation in Rana temporaria L. Sotowska-Brochocka J. **Acta Physiol Pol** 1983 Sep-Dec;34(5–6):621–4

Neuroendocrinology and the ovulation cycle––advances and review. Schnatz PT. **Adv Psychosom Med** 1985;12:4–24

Ovulatory response vs. follicular maturity [letter] McArdle C. **AJR** 1985 Jul;145(1):195–6

Examination of the role of calcium in ovulation in the in vitro perfused rabbit ovary with use of ethyleneglycol-bis(beta-aminoethyl ether)-n,n'-tetraacetic acid and verapamil. Kitai H, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):705–8

Biochemical and morphologic effects of ethanol on fetuses from normally ovulating and superovulated mice. Martinez F, et al. **Am J Obstet Gynecol** 1985 Feb 15;151(4):428–33

Is premenstrual syndrome exaggerated molimina? [letter] Prior JC. **Am J Psychiatry** 1984 Nov;141(11):1495–6

A comparison of rat and hamster preovulatory follicles: an examination of differences in morphology and enzyme activity using qualitative and quantitative analyses. Zoller LC. **Anat Rec** 1984 Oct;210(2):279–91

SLA haplotype differences in lines of pigs which differ in ovulation rate. Rothschild MF, et al. **Anim Blood Groups Biochem Genet** 1984;15(2):155–8

Pregnancy-associated plasma protein-A (PAPP-A) in preovulatory, nonovulatory healthy, and atretic human ovarian follicles during the natural cycle. Westergaard L, et al. **Ann NY Acad Sci** 1985;442:205–11

Coital stimuli controlling luteinizing hormone secretion and ovulation in the female ferret. Carroll RS, et al. **Biol Reprod** 1985 May;32(4):925–33

Dose-dependent inhibition of the preovulatory surges of gonadotropins and prolactin by the antiestrogen CI-628: possible sites of action. De Paolo LV. **Biol Reprod** 1985 May;32(4):745–52

Unilateral ovariectomy restores ovulatory cyclicity in rats with a polycystic ovarian condition. Farookhi R, et al. **Biol Reprod** 1985 Apr;32(3):530–40

Concentrations of steroids and gonadotropins in follicular fluid from normal heifers and heifers primed for superovulation. Fortune JE, et al. **Biol Reprod** 1985 Jun; 32(5):1069–79

Changes in luteinizing hormone-releasing hormone content of discrete hypothalamic areas associated with spontaneous and induced preovulatory luteinizing hormone surges in the domestic hen. Johnson AL, et al. **Biol Reprod** 1985 May;32(4):813–9

Changes in serum concentration and ovarian content of 5 alpha-androstane-3 alpha,17 beta-diol in the female rat approaching first ovulation. Meijs-Roelofs HM, et al. **Biol Reprod** 1985 Mar;32(2):301–8

Hormonal correlates of photoperiod-induced puberty in a reflex ovulator, the female ferret (Mustela furo). Ryan KD. **Biol Reprod** 1984 Dec;31(5):925–35

The pattern of serum levels of pregnancy-associated plasma protein A (PAPP-A) during the ovulatory menstrual cycle. Bersinger N, et al. **Br J Obstet Gynaecol** 1984 Dec; 91(12):1245–8

Effects of an advance of darkness on the ovulatory cycle of the hen. Wilson SC, et al. **Br Poult Sci** 1985 Jan; 26(1):83–96

Plasma progesterone concentrations in superovulated heifers determined by enzymeimmunoassay and radioimmunoassay. Boland MP, et al. **Br Vet J** 1985 Jul-Aug;141(4):409–15

Effects of shearing on the reproductive activity and plasma prolactin levels of Dorset ewes. Pijoan PJ, et al.

Br Vet J 1984 Sep–Oct;140(5):444–9

Isolation of bovine syncytial virus from lymphocytes recovered from fluids used to flush uterus and oviducts of superovulated cattle. Bouillant AM, et al. **Can J Comp Med** 1984 Jul;48(3):332–4

Do regular ovulatory cycles increase breast cancer risk? Henderson BE, et al. **Cancer** 1985 Sep 1;56(5):1206–8

Control of meiosis by somatic cells in mice: inheritance of the meiosis I error 'diploidy' and nonexpression in sensitive NMRI/Han oocytes ovulated from chimeras. Bartels I, et al. **Cell Differ** 1984 Dec;15(2–4):189–94

The number of mitochondria in Xenopus laevis ovulated oocytes. Marinos E. **Cell Differ** 1985 Apr;16(2):139–43

The assessment of ovulation by a combination of ultrasound and detailed serial hormone profiles in 35 women with long-standing unexplained infertility. Petsos P, et al. **Clin Endocrinol (Oxf)** 1985 Jun;22(6):739–51

Acute abdomen due to mittelschmerz. The role of ultrasonography. Silber TJ. **Clin Pediatr (Phila)** 1984 Nov;23(11):655–7

Immunohistochemical localization of basement membrane components and interstitial collagen types in preovulatory rat ovarian follicles. Palotie A, et al. **Coll Relat Res** 1984 Aug;4(4):279–87

Return to ovulation following the use of long-acting injectable contraceptives: a comparative study. Garza-Flores J, et al. **Contraception** 1985 Apr;31(4):361–6

Elevated catecholamines in porcine follicular fluid before ovulation. Bahr JM, et al. **Endocrinology** 1985 Aug;117(2):620–3

Changes in inhibin-like bioactivity in ovulatory and atretic follicles and utero-ovarian venous blood after prostaglandin-induced luteolysis in heifers. Padmanabhan V, et al. **Endocrinology** 1984 Oct;115(4):1332–40

The involvement of collagenolysis in ovulation in the rat. Reich R, et al. **Endocrinology** 1985 Feb;116(2):522–7

Follicular plasminogen activator: involvement in ovulation. Reich R, et al. **Endocrinology** 1985 Feb;116(2):516–21

Parathyroid hormone responses to calcium stress during eggshell calcification. van de Velde JP, et al. **Endocrinology** 1984 Nov;115(5):1901–4

Effect of ovulation on haem metabolism in rabbits. Lindahl J, et al. **Eur J Clin Invest** 1984 Dec;14(6):431–4

Massive spontaneous superovulation in a sexually mature pig. Hunter RH. **Eur J Obstet Gynecol Reprod Biol** 1985 Apr;19(4):261–6

Urinary hormone levels at the time of ovulation and implantation. Lasley BL, et al. **Fertil Steril** 1985 Jun;43(6):861–7

The prediction of ovulation: a comparison of the basal body temperature graph, cervical mucus score, and real-time pelvic ultrasonography. Leader A, et al. **Fertil Steril** 1985 Mar;43(3):385–8

Ultrasound in the evaluation of normal and induced ovulation. Ritchie WG. **Fertil Steril** 1985 Feb;43(2):167–81

Urinary 6-keto-prostaglandin F1 alpha during ovulation induction. Ylikorkala O, et al. **Fertil Steril** 1985 May;43(5):753–6

The effect of temperature on spontaneous, and ovulation hormone-induced female reproduction in Lymnaea stagnalis. Dogterom GE, et al. **Gen Comp Endocrinol** 1984 Nov;56(2):204–9

Plasma sex hormone and lipid patterns in normal and restricted-ovulator chicken hens. Leszczynski DE, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):280–8

Ultrasonic screening in predicting the time of ovulation. Jaffe R, et al. **Gynecol Obstet Invest** 1984;18(6):303–5

Effect of removal of intra-follicular yolk on follicular hierarchy and ovulation in hens. Moudgal RP, et al. **Indian J Exp Biol** 1984 Jul;22(7):372–3

The effect of calcium on cholesterol side-chain-cleavage enzyme in superovulated rat ovaries. Klinken SP, et al. **Int J Biochem** 1985;17(6):745–8

Onset of puberty and duration of the breeding season in Suffolk, Rambouillet, Finnish Landrace, Dorset and Finn-Dorset ewe lambs. Quirke JF, et al. **J Anim Sci** 1985 Jun;60(6):1463–71

NMR studies of intracellular sodium ions in amphibian oocytes, ovulated eggs, and early embryos. Gupta RK, et al. **J Biol Chem** 1985 Aug 5;260(16):9203–8

Thermal entrainment and human ovulation. de Trafford JC, et al. **J Biomed Eng** 1984 Oct;6(4):311–4

Follicular fluid steroid levels in dysmature and mature follicles from spontaneous and hyperstimulated cycles in normal and anovulatory women. Lobo RA, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):81–7

Periovulatory hormonal dynamics: relationship of immunoassayable gonadotropins and ovarian steroids to the bioassayable luteinizing hormone surge in rhesus monkeys. Schenken RS, et al. **J Clin Endocrinol Metab** 1985 May;60(5):886–90

Changes in plasma progesterone concentrations around the time of the luteinizing hormone surge in women superovulated for in vitro fertilization. Trounson AO, et al. **J Clin Endocrinol Metab** 1984 Dec;59(6):1075–80

Progesterone, androstenedione and oestradiol content of theca and granulosa tissues of the four largest ovarian follicles during the ovulatory cycle of the hen (Gallus domesticus). Etches RJ, et al. **J Endocrinol** 1984 Oct;103(1):71–6

Ovulation in the marmoset monkey: endocrinology, prediction and detection. Harlow CR, et al. **J Endocrinol** 1984 Oct;103(1):17–24

Increase in ovulation rate after active immunization of sheep with inhibin partially purified from bovine follicular fluid. Henderson KM, et al. **J Endocrinol** 1984 Sep;102(3):305–9

Regulation of the follicular hierarchy and ovulation. Bahr JM, et al. **J Exp Zool** 1984 Dec;232(3):495–500 (32 ref.)

Chicken ovulation cycle. Cunningham FJ, et al. **J Exp Zool** 1984 Dec;232(3):485–94 (56 ref.)

Interrelationships between the hypothalamus, pituitary gland, ovary, adrenal gland, and the open period for LH release in the hen (Gallus domesticus). Etches RJ, et al. **J Exp Zool** 1984 Dec;232(3):501–11 (26 ref.)

Steroidogenesis in granulosa cells during follicular maturation: evidence for desensitization-resensitization during the ovulation cycle. Hertelendy F, et al. **J Exp Zool** 1984 Dec;232(3):513–20 (29 ref.)

Aspects of the neuroendocrine control of ovulation and broodiness in the domestic hen. Sharp PJ, et al. **J Exp Zool** 1984 Dec;232(3):475–83 (37 ref.)

The Estes operation (transposition of one ovary to the uterine cavity): its results in the rabbit model. Coppo M, et al. **J In Vitro Fert Embryo Transfer** 1985 Mar;2(1):41–5

The occurrence of relaxin in hyperstimulated human preovulatory follicles collected in an in vitro fertilization program. Yki-Järvinen H, et al. **J In Vitro Fert Embryo Transfer** 1984 Sep;1(3):180–2

Ovulation control: the right number or nothing. Akin E, et al. **J Math Biol** 1984;20(2):113–32

Evolutionary dynamics of zero-sum games. Akin E, et al. **J Math Biol** 1984;20(3):231–58

Studies on ovarian prostaglandin production in relation to ovulation in the rat. Brown CG, et al. **J Reprod Fertil** 1984 Nov;72(2):407–14

Ovarian follicular populations and preovulatory enlargement in Booroola and control Merino ewes. Driancourt MA, et al. **J Reprod Fertil** 1985 Jan;73(1):93–107

Ovarian follicular growth during the oestrous cycle in two breeds of ewes of different ovulation rate, the D'Man and the Timahdite. Lahlou-Kassi A, et al. **J Reprod Fertil** 1984 Nov;72(2):301–10

Ovarian activity in Booroola X Romney ewes which have a major gene influencing their ovulation rate. McNatty KP, et al. **J Reprod Fertil** 1985 Jan;73(1):109–20

Gonadotrophin-induced abnormalities in sheep oocytes after superovulation. Moor RM, et al. **J Reprod Fertil** 1985 May;74(1):167–72

Follicular development, ovulation, fertilization and fetal development in tenrecs (Tenrec ecaudatus). Nicoll ME, et al. **J Reprod Fertil** 1985 May;74(1):47–55

Decreasing the number of ovulations in the rabbit with surgical division of the blood vessels between the fallopian tube and ovary. McComb P, et al. **J Reprod Med** 1984 Nov;29(11):827–9

Evidence of contralateral ovulation in ectopic pregnancy. Berry SM, et al. **J Ultrasound Med** 1985 Jun;4(6):293–5

A successful technique for the preservation of rabbit embryos. Prins JB, et al. **Lab Anim Sci** 1984 Oct;34(5):484–7

Evidence that the dopaminergic incerto-hypothalamic tract has a stimulatory effect on ovulation and gonadotrophin release. MacKenzie FJ, et al. **Neuroendocrinology** 1984 Oct;39(4):289–95

Ovulatory function and retinal catecholamine concentrations in female rats with and without inherited retinal photoreceptor degeneration. Watts AG. **Neuroendocrinology** 1985 Jun;40(6):511–7

Bioeffective monoclonal antibody against the decapeptide gonadotropin-releasing hormone: reacting determinant and action on ovulation and estrus suppression. Talwar GP, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1228–31

Complementary specificities of ovarian dipeptidyl peptidase II and tripeptidyl peptidase: collagenolytic potential and increased activity associated with ovulation in the hog. McDonald JK, et al. **Prog Clin Biol Res** 1985;180:673–5

Formation of cyclic adenosine monophosphate (cAMP) in the preovulatory rabbit follicle: role of prostaglandins and steroids. Rhodes RC 3d, et al. **Prostaglandins** 1985 Feb;29(2):217–31

Superovulation and egg transfer in the ewe. Torrès S, et al. **Reprod Nutr Dev** 1984;24(5A):623–31

Significance of the delta 5 and delta 4 steroidogenic pathways in the hamster preovulatory follicle. Makris A, et al. **Steroids** 1983 Dec;42(6):641–51

Estimation of superovulation response in donor cows. Donaldson LE. **Vet Rec** 1985 Jul 13:117(2):33–4

Effect of insemination regimen on embryo production in superovulated cows. Donaldson LE. **Vet Rec** 1985 Jul 13;117(2):35–7

In vitro studies on ovulatory mechanisms in the hen. Moudgal RP, et al. **Zentralbl Veterinarmed [A]** 1985 Mar;32(3):179–84

[Parameters of ovulation in spontaneous ovulatory cycles] van Schouwenburg JA. **S Afr Med J** 1984 Oct 13;66(15):567–72 (Eng. Abstr.) **(Afr)**

[Immunologic properties of cervical ovulatory secretions in sterile and fertile women] Ulčová-Gallová Z, et al. **Cesk Gynekol** 1985 Apr;50(3):175–9 (Eng. Abstr.) **(Cze)**

[Mechanisms regulating ovulation rate and oocyte maturation. Maturation induction and superovulation] Thibault C. **Ann Biol Clin (Paris)** 1985;43(1):7–16 (Eng. Abstr.) **(Fre)**

[Induction and inhibition of folliculogenesis and ovulation] Renaud R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(3):270–82 **(Fre)**

[Effect of genotype, age and season on preovulatory follicles in the rabbit 8 hours after mating] Hulot F, et al. **Reprod Nutr Dev** 1985;25(1A):17–32 (Eng. Abstr.) **(Fre)**

[Ovulation dynamics and potency in groups of gilts on various farms following different treatments for the stimulation of ovulation] Bergfeld J, et al. **Arch Exp Veterinarmed** 1984 Sep;38(5):735–43 (Eng. Abstr.) **(Ger)**

[Dynamics and potency of ovulation in older sows on several farms following different treatments of stimulate ovulation] Bergfeld J, et al. **Arch Exp Veterinarmed** 1984 Nov;38(6):849–56 (Eng. Abstr.) **(Ger)**

[Shifting of ovulation in gilts by modification of injection dates within the framework of the ovulation synchronization process] Brüssow KP, et al. **Arch Exp Veterinarmed** 1984 Nov;38(6):840–8 (Eng. Abstr.) **(Ger)**

[Superovulation in swine] Holtz W, et al. **DTW** 1985 May 7;92(5):191–5 (94 ref.) **(Ger)**

[Rate of pregnancy in the treatment of sterility during spontaneous and therapy cycles] Bubenheim W, et al. **Geburtshilfe Frauenheilkd** 1985 Jul;45(7):459–61 (Eng. Abstr.) **(Ger)**

[Comparative light- and electron microscopy findings in oocytes obtained by laparoscopy during the cycle period close to ovulation] Fliess FR, et al. **Zentralbl Gynakol** 1984;106(13):916–27 (Eng. Abstr.) **(Ger)**

[Serum plasminogen levels and timing of ovulation] Huber JC, et al. **Zentralbl Gynakol** 1984;106(16):1146–51 (Eng. Abstr.) **(Ger)**

[Effect of sodium pentobarbital on the number of ova shed in superovulation treated adult rats: relationship between the number of ova shed and dose of GTHs] Kagabu S. **Jikken Dobutsu** 1984 Oct;33(4):497–9 (Eng. Abstr.) **(Jpn)**

[Ultrasonographical assessment of follicular growth in delayed ovulation] Akita A. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Dec;36(12):2575–82 (Eng. Abstr.) **(Jpn)**

[Serum hormone level and Kupperman menopausal complaints in sexually mature women with disturbance of ovulation] Kano T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jan;37(1):31–7 (Eng. Abstr.) **(Jpn)**

[Correlation of prolactin-secreting-capacity to circadian profile of prolactin in euprolactinemic women with ovulatory disturbances] Mori H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb;37(2):287–92 (Eng. Abstr.) **(Jpn)**

[Correlation between progesterone and plasminogen activator in rat ovaries during the ovulatory process] Ohno Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb;37(2):247–56 (Eng. Abstr.) **(Jpn)**

[Hyperthyroidism and ovulation] Ruiz Alvarez F, et al. **Ginecol Obstet Mex** 1984 Apr;52(324):89–92 (Eng. Abstr.) **(Spa)**

[Diagnosis of ovulation in 3 consecutive menstrual cycles using real-time ultrasonics] Zacharías S, et al. **Rev Chil Obstet Ginecol** 1983;48(4):219–27 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

A possible role of clomiphene citrate in the control of pre-ovulatory LH surge during induction of ovulation. Terakawa N, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):58–63

Pregnancy in a patient with gonadotropin-resistant ovary syndrome. Amos WL Jr. **Am J Obstet Gynecol** 1985 Sep 15;153(2):154–5

Effect of various agents on ovarian plasminogen activator activity during ovulation in pregnant mare's serum gonadotropin-primed immature rats. Espey L, et al. **Biol Reprod** 1985 Jun;32(5):1087–94

Alterations in the onset of ovulatory failure and gonadotropin secretion following steroid administration to lightly androgenized female rats. Handa RJ, et al. **Biol Reprod** 1985 Mar;32(2):248–56

Proestrous hormonal changes preceding the onset of ovulatory failure in lightly androgenized female rats. Handa RJ, et al. **Biol Reprod** 1985 Mar;32(2):232–40

Ovulatory response, and plasma concentrations of luteinizing hormone and progesterone following administration of synthetic mammalian or chicken luteinizing hormone-releasing hormone relative to the first or second ovulation in the sequence of the domestic hen. Johnson AL, et al. **Biol Reprod** 1984 Nov;31(4):646–55

Influence of calcium and magnesium deprivation on ovulation and ovum maturation in the perfused rabbit ovary. Kobayashi Y, et al. **Biol Reprod** 1984 Sep;31(2):287–95

Inhibition of pregnancy with indomethacin in mature gilts and prepuberal gilts induced to ovulate. Kraeling RR, et al. **Biol Reprod** 1985 Feb;32(1):105–10

Ovulation inhibition in the pregnant mare's serum gonadotropin-treated immature rat: a bioassay for luteinizing hormone-releasing hormone antagonists. Sundaram K, et al. **Biol Reprod** 1984 Dec;31(5):920–4

Use of a superactive luteinizing hormone releasing hormone (LHRH) agonist in the treatment of menorrhagia. Shaw RW, et al. **Br J Obstet Gynaecol** 1984 Sep;91(9):913–6

Follicle growth in the ovary of the rabbit after ovulation-inducing application of human chorionic gonadotropin. Kranzfelder D, et al. **Cell Tissue Res** 1984; 238(3):611-20

Inhibition of ovulation by intranasal nafarelin, a new superactive agonist of GnRH. Gudmundsson JA, et al. **Contraception** 1984 Aug;30(2):107-14

Changes in serum LH and FSH following preovulatory administration of ethanol in rats. Marcó J, et al. **Drug Alcohol Depend** 1984 Oct;14(2):215-8

The effects of a gonadotropin-releasing hormone agonist on ovulation and steroidogenesis during perfusion of rabbit and rat ovaries in vitro. Koos RD, et al. **Endocrinology** 1985 Feb;116(2):628-32

Reversal of beta-endorphin-induced blockade of ovulation and luteinizing hormone surge with prostaglandin E2. Leadem CA, et al. **Endocrinology** 1985 Aug;117(2):684-9

Direct and indirect inhibition of ovulation in rats by an antagonist of luteinizing hormone-releasing hormone. Nekola MV, et al. **Endocrinology** 1985 Feb;116(2):756-60

Influence of the frequency of gonadotropin-releasing hormone (GnRH) administration on ovulatory responses in women with anovulation. Bringer J, et al. **Fertil Steril** 1985 Jul;44(1):42-8

The relationship between prostaglandins and histamine in the ovulatory process as determined with the in vitro perfused rabbit ovary. Kitai H, et al. **Fertil Steril** 1985 Apr; 43(4):646-51

Concentration-dependent mechanisms of ovulation inhibition by the progestin ST-1435. Lähteenmäki PL, et al. **Fertil Steril** 1985 Jul;44(1):20-4

Inhibition of ovulation during discontinuous intranasal luteinizing hormone-releasing hormone agonist dosing in combination with gestagen-induced bleeding. Lemay A, et al. **Fertil Steril** 1985 Jun;43(6):868-77

A comprehensive dose-response study of clomiphene citrate for enhancement of the primate ovarian/menstrual cycle. Littman BA, et al. **Fertil Steril** 1985 Mar;43(3):463-70

Ablation of folliculogenesis in women by a single dose of gonadotropin-releasing hormone agonist: significance of time in cycle. Monroe SE, et al. **Fertil Steril** 1985 Mar; 43(3):361-8

Asynchronous ovulation in human menopausal gonadotropin induction of ovulation for in vitro fertilization. Navot D, et al. **Fertil Steril** 1984 Nov;42(5):806-7

The effects of single-dose luteinizing hormone-releasing hormone on ovulatory menstrual function: support for a single luteinizing hormone- and follicle-stimulating hormone-releasing factor. Reindollar RH, et al. **Fertil Steril** 1985 Feb;43(2):185-95

Effect of temperature, 17 alpha-hydroxy-20 beta-dihydroprogesterone and prostaglandin F2 alpha on carp oocyte maturation and ovulation in vitro. Epler P, et al. **Gen Comp Endocrinol** 1985 May;58(2):192-201

Evidence for a positive feedback interaction between progesterone and luteinizing hormone in the induction of ovulation in the hen, Gallus domesticus. Johnson PA, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):478-85

Effects of blocking ovulation with pentobarbitone on histochemical features of Graafian follicles in rats. Parshad VR, et al. **Indian J Exp Biol** 1984 Apr;22(4):185-8

Increased ovulation rate of adult ewes treated with anti-bovine LH antiserum during the normal breeding season. Fitzgerald JA, et al. **J Anim Sci** 1985 Mar; 60(3):749-54

Evidence for a stimulatory beta-adrenergic component in the release of the ovulatory LH surge in pro-oestrous rats. Al-Hamood MH, et al. **J Endocrinol** 1985 Aug; 106(2):143-51

Precocious ovulation induced by human chorionic gonadotrophin in the immature female rat: comparison of follicle growth induced by treatment with human chorionic gonadotrophin and by electrical stimulation of the hypothalamus. Meijs-Roelofs HM, et al. **J Endocrinol** 1985 Jul;106(1):61-6

The antiestrogenic effect of clomiphene on perineal tumescence of the baboon in an in vitro fertilization program. Van der Merwe JV, et al. **J In Vitro Fert Embryo Transfer** 1985 Mar;2(1):46-8

Alteration of human follicular fluid plasminogen activator activity by ovarian hyperstimulation. Weimer SL, et al. **J In Vitro Fert Embryo Transfer** 1984 Dec;1(4):263-6

FSH influences follicle viability, oestradiol biosynthesis and ovulation rate in Romney ewes. McNatty KP, et al. **J Reprod Fertil** 1985 Sep;75(1):121-31

Ovulation and LH secretion in the goat after intravaginal progestagen sponge-PMSG treatment. Ritar AJ, et al. **J Reprod Fertil** 1984 Nov;72(2):559-63

Elevated peripheral concentrations of LH block ovulation and increase thecal and serum progesterone in the hamster. Rousey S, et al. **J Reprod Fertil** 1985 May;74(1):197-203

Increase in ovulation rate after treatment of ewes with bovine follicular fluid in the luteal phase of the oestrous cycle. Wallace JM, et al. **J Reprod Fertil** 1985 Mar;73(2):505-15

Ovulation rate and embryo survival in Damline ewes after treatment with bovine follicular fluid in the luteal phase of the oestrous cycle. Wallace JM, et al. **J Reprod Fertil** 1985 Sep;75(1):101-9

Inductions of superovulation using several FSH regimens in Holstein-Friesian heifers. Takahashi Y, et al. **Jpn J Vet Res** 1985 Apr;33(1-2):45-50

Effects of LH-RH analogue on the ovulation rate and embryo quality in heifers superovulated with PMSG and PGF2 alpha. Takahashi Y, et al. **Jpn J Vet Res** 1984 Oct; 32(4):183-9

Reproductive/endocrine and anaphylactoid properties of an LHRH-antagonist, ORF 18260 [Ac-DNAL1(2), 4FDPhe2,D-Trp3,D-Arg6]-GnRH. Hahn DW, et al. **Life Sci** 1985 Aug 12;37(6):505-14

Alcohol self-administration by female primates: effects on reproductive function. Mello NK, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:156-62

Catecholamine involvement in preovulatory LH release: reassessment of the role of epinephrine. Kalra SP. **Neuroendocrinology** 1985 Feb;40(2):139-44

The effect of aminoglutethimide on steroid secretion, ovulation, and luteinizing hormone release in the hen. Lang GF, et al. **Poult Sci** 1984 Sep;63(9):1861-71

Possible involvement of lipoxygenase products of arachidonic acid pathway in ovulation. Reich R, et al. **Prostaglandins** 1983 Dec;26(6):1011-20

Reduced superovulatory response in the ewe following repeated gonadotrophin treatment. Al-Kamali AA, et al. **Vet Rec** 1985 Feb 16;116(7):180-1

[Ovulation inhibitors and tumors] Freundl G, et al. **Dtsch Med Wochenschr** 1985 Aug 30;110(35):1346-50 (79 ref.) **(Ger)**

[Alfaprostol for the induction of ovulation during estrus in the mare (2)] Arbeiter K, et al. **DTW** 1985 Mar 8;92(3):87-8 (Eng. Abstr.) **(Ger)**

[Effect of sodium pentobarbital on the number of ova shed in superovulation treated adult rats: relationship between the number of ova shed and dose of GTHs] Kagabu S. **Jikken Dobutsu** 1984 Oct;33(4):497-9 (Eng. Abstr.) **(Jpn)**

[Collagen synthetic activity in rabbit ovary during ovulation and its blockage by indomethacin] Himeno N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct; 36(10):1930-4 (Eng. Abstr.) **(Jpn)**

[Embryonic development and various indicators of reproductive function in rats after inhalation of formaldehyde in the preimplantation phase] Kitaev EM, et al. **Akush Ginekol (Mosk)** 1984 Oct;(10):49-52 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis of hormonal stimulation follicular maturation and ovulation] Adamova G, et al. **Jugosl Ginekol Opstet** 1984 Sep-Dec;24(5-6):95-7 (Eng. Abstr.) **(Scr)**

[The effect of hormonal preparations on superovulation and egg transport in ewes] Arendarčik J, et al. **Vet Med (Praha)** 1984 Oct;29(10):619-26 (Eng. Abstr.) **(Slo)**

OVULATION DETECTION

A rapid RIA for LH in serum and first morning void urine--application in an AID programme. Umapathysivam K, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Jan; 19(1):31-5

[Monitoring of follicular growth. Significance of echography] Demoulin A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(6):635-42 (Eng. Abstr.) **(Fre)**

METHODS

The endocervical smear as a simple and quick method for the determination of ovulation. Affandi MZ, et al. **Acta Cytol (Baltimore)** 1985 Jul-Aug;29(4):638-41

Vulvar effects of the toilet tissue observational routine in the practice of natural family planning [letter] Norris CW. **Am J Obstet Gynecol** 1985 Aug 15;152(8):1108-9

A new method for predicting and confirming ovulation. Albrecht BH, et al. **Fertil Steril** 1985 Aug;44(2):200-5

[Rapid RIA of LH for the prediction of ovulation] Fingerová H, et al. **Cesk Gynekol** 1984 Jul;49(6):408-17 (Eng. Abstr.) **(Cze)**

[Comparison between the radioimmunologic measurement of plasma E2 and estrogen determination in urine using a hemagglutination inhibition test] Trotnow S, et al. **Geburtshilfe Frauenheilkd** 1985 Jun;45(6):375-81 (Eng. Abstr.) **(Ger)**

[Comparative study of the spontaneous ovulation between ultrasonic observation and hormonal measurement] Tanaka A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Apr; 37(4):651-2 **(Jpn)**

[Echographic evaluation of ovulation for conducting artificial insemination] Davydov SN, et al. **Akush Ginekol (Mosk)** 1984 Oct;(10):15-8 (Eng. Abstr.) **(Rus)**

[The ovulation method (Billings)] Pérez A. **Rev Chil Obstet Ginecol** 1983;48(2):88-96 **(Spa)**

VETERINARY

Efficacy of using vaginal conductivity as an indicator of the optimum time to breed in swine. Zink MF, et al. **J Anim Sci** 1984 Oct;59(4):869-74

Use of echography in bitches [letter] Allen WE, et al. **Vet Rec** 1984 Oct 27;115(17):447

Use of echography in bitches for detection of ovulation and pregnancy. Inaba T, et al. **Vet Rec** 1984 Sep 15; 115(11):276-7

Real-time ultrasound scanning of bitches [letter] Wilson J, et al. **Vet Rec** 1985 Jun 29;116(26):698-9

OVULATION INDUCTION

Human chorionic gonadotropin and steroid concentrations in human follicular fluid in relation to follicle size and oocyte maturity in stimulated ovarian cycles. Ellsworth LR, et al. **Acta Eur Fertil** 1984 Sep-Oct;15(5):343-6

Recent data concerning the use of ovulation inductors during in vitro fertilization programs. Frydman R. **Acta Eur Fertil** 1985 Jan-Feb;16(1):5-11 (39 ref.)

Controlled study of bromocriptine and placebo for induction of ovulation in normoprolactinemic secondary amenorrhea. Espersen T, et al. **Acta Obstet Gynecol Scand** 1984; 63(8):715-7

Ovulatory response vs. follicular maturity [letter] McArdle C. **AJR** 1985 Jul;145(1):195-6

Microvasculature of preovulatory follicles: comparison of in situ and in vitro perfused rabbit ovaries following stimulation of ovulation. Kitai H, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):889-95

Comparison of the outcome of ovulation induction therapy in an in vitro fertilization program employing a low-dose and an individually adjusted high-dose schedule of human menopausal gonadotropins. Yuen BH, et al. **Am J Obstet Gynecol** 1985 Jan 15;151(2):172-5

Ovarian stimulation regimens in an in vitro fertilization program: a comparative analysis. Bayly CM, et al. **Ann NY Acad Sci** 1985;442:123-7

High-dose human menopausal gonadotropin therapy for successful ovulation induction for in vitro fertilization in perimenopausal women. Friberg J, et al. **Ann NY Acad Sci** 1985;442:168-77

Induction of ovulation with human menopausal gonadotrophin. Ho PC, et al. **Asia Oceania J Obstet Gynaecol** 1984 Sep;10(3):325-31

Dose-response relationship between dose of clomiphene citrate and incidence of ovulation. Seki K, et al. **Asia Oceania J Obstet Gynaecol** 1985 Mar;11(1):23-6

Ultrasound imaging in the management of ovulation stimulation. Biggs JS, et al. **Aust NZ J Obstet Gynaecol** 1984 Nov;24(4):276-9

Comparative study of total urinary oestrogen and first morning urinary oestrogen in monitoring gonadotrophin therapy. Tang GW, et al. **Aust NZ J Obstet Gynaecol** 1984 Nov;24(4):280-2

The sex ratio of infants born after hormonal induction of ovulation. James WH. **Br J Obstet Gynaecol** 1985 Mar; 92(3):299-301

The induction of ovulation using pulsatile luteinizing hormone releasing hormone in clinical practice. Ross LD, et al. **Br J Obstet Gynaecol** 1985 Aug;92(8):815-9

The monitoring of ovulation induction using ultrasound and estrogen. DeCherney AH, et al. **Clin Obstet Gynecol** 1984 Dec;27(4):993-1002

Case report. Successive pregnancies in a patient with premature ovarian failure. Nakai M, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Nov;18(4):217-24

Estradiol in saliva for monitoring follicular stimulation in an in vitro fertilization program. Belkien LD, et al. **Fertil Steril** 1985 Sep;44(3):322-7

Monitoring techniques for improved pregnancy rates during clomiphene ovulation induction. Hammond MG. **Fertil Steril** 1984 Oct;42(4):499-509 (82 ref.)

The effect of follicle-stimulating hormone without additional luteinizing hormone on follicular stimulation and oocyte development in normal ovulatory women. Jones GS, et al. **Fertil Steril** 1985 May;43(5):696-702

Timing and frequency of artificial insemination in women under menotropin therapy. Kemmann E, et al. **Fertil Steril** 1985 Aug;44(2):271-3

The relationship between prostaglandins and histamine in the ovulatory process as determined with the in vitro perfused rabbit ovary. Kitai H, et al. **Fertil Steril** 1985 Apr; 43(4):646-51

Analysis of the outcome of in vitro fertilization in relation to the timing of human chorionic gonadotropin administration by the duration of estradiol rise in stimulated cycles. Levran D, et al. **Fertil Steril** 1985 Sep;44(3):335-41

Ultrasound in the evaluation of normal and induced ovulation. Ritchie WG. **Fertil Steril** 1985 Feb;43(2):167-81

Ultrasonographic and clinical correlates of menotropin versus sequential clomiphene citrate: menotropin therapy for induction of ovulation. Tal J, et al. **Fertil Steril** 1985 Sep; 44(3):342-9

Induction of follicular growth in the squirrel monkey (Saimiri sciureus) with human urinary follicle-stimulating hormone (Metrodin). Yano J, et al. **Fertil Steril** 1985 May; 43(5):799-803

Urinary 6-keto-prostaglandin F1 alpha during ovulation induction. Ylikorkala O, et al. **Fertil Steril** 1985 May; 43(5):753-6

Hormonal changes during induced ovulation of the carp, Cyprinus carpio. Kime DE, et al. **Gen Comp Endocrinol** 1985 Apr;58(1):137-49

Transient hyperprolactinaemia in human menopausal gonadotropin induction of ovulation. Tang GW, et al. **Int J Fertil** 1984;29(3):136-40

Ovarian hyperstimulation syndrome following ovulation induction with human menopausal gonadotropin. Tulandi T, et al. **Int J Fertil** 1984;29(2):113-7

Induction of ovulation in vitro in the hen: dependency of the response to LH on age and rate of lay. Moudgal RP, et al. **J Endocrinol** 1985 Jul;106(1):67-9

Androstenedione, 17 beta-estradiol and progesterone plasma levels in gonadotropins induction of ovulation. Scirpa P, et al. **J Endocrinol Invest** 1984 Aug;7(4):357-62

The day of initiation of human menopausal gonadotropin stimulation affects follicular growth in in vitro fertilization cycles. Dlugi AM, et al. **J In Vitro Fert Embryo Transfer** 1985 Mar;2(1):33-40

Human in vitro fertilization employing individualized ovulation induction by human menopausal gonadotropins. Laufer N, et al. **J In Vitro Fert Embryo Transfer** 1984 Mar;1(1):56-62

Preliminary experience with a combination of clomiphene and variable dosages of menopausal gonadotropins for enhanced follicular recruitment. Quigley MM, et al. **J In Vitro Fert Embryo Transfer** 1985 Mar;2(1):11-6

The use of ovarian ultrasonography in monitoring ovulation induction. Tarlatzis BC, et al. **J In Vitro Fert Embryo Transfer** 1984 Dec;1(4):226-32

Sonographic depiction of endometrial changes occurring with ovulation induction. Fleischer AC, et al. **J Ultrasound Med** 1984 Aug;3(8):341-6

Twin pregnancy after pituitary desensitisation with LHRH agonist and pure FSH [letter] Shaw RW, et al. **Lancet** 1985 Aug 31;2(8453):506-7

Anorexia, LHRH and ovulation [letter] Beumont PJ. **Med J Aust** 1985 Jan 7;142(1):77-8

Changes of body temperature related to oviposition and ovulation induced by LH in the domestic hen. Kadono H, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):55-61

Pathophysiology of the ovarian hyperstimulation syndrome. Haning RV Jr, et al. **Obstet Gynecol** 1985 Aug;66(2):220-4

Role of dehydroepiandrosterone sulfate as a prehormone for ovarian steroidogenesis. Haning RV Jr, et al. **Obstet Gynecol** 1985 Feb;65(2):199-205

Ovarian hyperstimulation syndrome. A case report. Moodley TR, et al. **S Afr Med J** 1985 Aug 31;68(5):336-7

Induction of ovulation with gonadotrophins--a ten year review. West CP, et al. **Scott Med J** 1984 Oct;29(4):212-7

Induction of ovulation with an estrogen antagonist, tamoxifen. Tsuiki A, et al. **Tohoku J Exp Med** 1984 Sep;144(1):21-31

[Increased doses of clomiphene for ovulation induction] Presl J. **Cesk Gynekol** 1985 Jun;50(5):370-2 **(Cze)**

[Value of the measurement of SP1 protein in the early diagnosis of pregnancy induced with Pregnyl] Cusumano G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(3):309-13 (Eng. Abstr.) **(Fre)**

[Pulsatile administration of gonadoliberin by subcutaneous route in the induction of ovulation (letter)] Fenichel P, et al. **Presse Med** 1985 Apr 13;14(15):846 **(Fre)**

[Ovarian hyperstimulation: treatment of voluminous cysts by percelioscopic puncture] Jahier J, et al. **Rev Fr Gynecol Obstet** 1985 Feb;80(2):109-11 (Eng. Abstr.) **(Fre)**

[Synchronization of ovulation and the collection of embryos in mice] Seracchioli R, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):685-8 (Eng. Abstr.) **(Ita)**

[The mechanism of induction of ovulation by bromocriptine in euprolactinemic anovulation--the role of occult hyperprolactinemia in anovulation] Mori H, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Jan 20;61(1):38-47 (Eng. Abstr.) **(Jpn)**

[The effects of bromocriptine on anovulatory patients with high LH and euprolactinemia] Mori H, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 Jan 20;61(1):48-55 (Eng. Abstr.) **(Jpn)**

[Monitoring of follicles by ultrasonography during induction with HMG-HCG treatment--especially on the prevention of side effects] Ishimaru T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 May;37(5):721-9 (Eng. Abstr.) **(Jpn)**

[Current topics in hormone therapy] Kumasaka T. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 May;37(5):803-7 **(Jpn)**

[Induction of ovulation with subcutaneous pulsatile administration of human menopausal gonadotropin] Nakamura Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jul;37(7):1169-76 (Eng. Abstr.) **(Jpn)**

[Sex hormone binding globulin in stimulated cycles] Breznik R, et al. **Jugosl Ginekol Opstet** 1984 Sep-Dec;24(5-6):84-6 (Eng. Abstr.) **(Scr)**

[Ovulation induction and pregnancy in a patient with Kallman syndrome] Guitrón A, et al. **Ginecol Obstet Mex** 1983 Aug;51(316):217-20 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Recurrent molar pregnancies associated with clomiphene citrate and human gonadotropins. Mor-Joseph S, et al. **Am J Obstet Gynecol** 1985 Apr 15;151(8):1085-6

METHODS

The importance of the FSH/LH ratio in ovarian stimulation therapy regime for in vitro fertilization. Bhat AM, et al. **Acta Eur Fertil** 1984 Nov-Dec;15(6):449-53

Induction of ovulation with purified urinary follicle-stimulating hormone in patients with polycystic ovarian syndrome. Garcea N, et al. **Am J Obstet Gynecol** 1985 Mar 1;151(5):635-40

Hormonal and ultrasonic characteristics of 23 clomiphene citrate stimulated cycles resulting in pregnancies after in vitro fertilization and embryo transfer. Hünlich T, et al. **Arch Gynecol** 1984;236(1):19-33

The use of gonadotropin-releasing hormone for the induction of ovulation. Liu JH, et al. **Clin Obstet Gynecol** 1984 Dec;27(4):975-82

The use of pergonal for the induction of ovulation. March CM. **Clin Obstet Gynecol** 1984 Dec;27(4):966-74

The use of ovulation-inducing agents in in-vitro fertilization. Quigley MM. **Clin Obstet Gynecol** 1984 Dec;27(4):983-92

A rational and practical approach to clomiphene therapy. Wu CH. **Clin Obstet Gynecol** 1984 Dec;27(4):953-65

Exogenous progesterone for luteal support following gonadotropin-releasing hormone ovulation induction: case report. Berger NG, et al. **Fertil Steril** 1985 Jul;44(1):133-5

The significance of the ratio in follicle-stimulating hormone and luteinizing hormone in induction of multiple follicular growth. Bernardus RE, et al. **Fertil Steril** 1985 Mar;43(3):373-8

Ovulation induction in hypergonadotropic amenorrhea with estrogen and human menopausal gonadotropin therapy. Check JH, et al. **Fertil Steril** 1984 Dec;42(6):919-22

Outcome of successive cycles of ovulation induction in the same individual. Diamond MP, et al. **Fertil Steril** 1985 Mar;43(3):369-72

Altered follicular development in clomiphene citrate versus human menopausal gonadotropin-stimulated cycles for in vitro fertilization. Dlugi AM, et al. **Fertil Steril** 1985 Jan;43(1):40-7

Diagnosis-specific serum 17 beta-estradiol (E2) upper limits for treatment with menotropins using a 125I direct E2 assay. Haning RV Jr, et al. **Fertil Steril** 1984 Dec;42(6):882-9

Successful pregnancy following clomiphene citrate therapy in Sheehan's syndrome. Jialal I, et al. **Fertil Steril** 1984 Nov;42(5):796-7

The combination of follicle-stimulating hormone and human menopausal gonadotropin for the induction of multiple follicular maturation for in vitro fertilization. Muasher SJ, et al. **Fertil Steril** 1985 Jul;44(1):62-9

Asynchronous ovulation in human menopausal gonadotropin induction of ovulation for in vitro fertilization. Navot D, et al. **Fertil Steril** 1984 Nov;42(5):806-7

Ovulation induction with pulsatile gonadotropin-releasing hormone administration in patients with polycystic ovarian syndrome. Ory SJ, et al. **Fertil Steril** 1985 Jan;43(1):20-5

Ovulation induction in polycystic ovary syndrome with urinary follicle-stimulating hormone or human menopausal gonadotropin. Seibel MM, et al. **Fertil Steril** 1985 May;43(5):703-8

Hypothalamic hypogonadism: induction of ovulation and pregnancy by subcutaneous pulsatile injections of gonadotrophin-releasing hormone. Woodhouse NJ, et al. **Horm Res** 1984;20(3):172-7

Successful pregnancy following ovulation induction with pulsatile GnRH. O'Herlihy C, et al. **Ir Med J** 1985 May;78(5):133-4, 136

Ovulation induction in clomiphene-resistant anovulatory women: differential follicular response to purified urinary follicle-stimulating hormone (FSH) versus purified urinary FSH and luteinizing hormone. Hoffman DI, et al. **J Clin Endocrinol Metab** 1985 May;60(5):922-7

Induction of ovulation for in-vitro fertilisation using buserelin and gonadotropins [letter] Porter RN, et al. **Lancet** 1984 Dec 1;2(8414):1284-5

Drugs that induce ovulation. **Med Lett Drugs Ther** 1985 Sep 27;27(697):82-4

Induction of ovulation in phase I of the in vitro fertilization and embryo transfer programme at Tygerberg Hospital. van Schouwenburg JA, et al. **S Afr Med J** 1985 May 11;67(19):759-61

[Gonadotrophin induction of ovulation monitored by ultrasonic studies of the ovary] van Schouwenburg JA. **S Afr Med J** 1985 May 11;67(19):754-8 (Eng. Abstr.) **(Afr)**

[A preliminary study on catgut embedding at point sanyinjiao to induce ovulation] Chen DY. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Sep;4(9):521-2, 514 (Eng. Abstr.) **(Chi)**

[Tamoxifen and ovulation induction] Presl J. **Cesk Gynekol** 1984 Dec;49(10):740-2 **(Cze)**

[Mechanisms regulating ovulation rate and oocyte maturation. Maturation induction and superovulation] Thibault C. **Ann Biol Clin (Paris)** 1985;43(1):7-16 (Eng. Abstr.) **(Fre)**

[Panhypopituitarism after radiotherapy. Ovulation induction using a gonadoliberin pump (letter)] Barbe P, et al. **Presse Med** 1985 Feb 9;14(5):284-5 **(Fre)**

[Induction of ovulation by a luteinizing hormone releasing hormone pump. Principles, indications and results] Gompel A, et al. **Presse Med** 1985 Apr 27;14(17):963-6 (Eng. Abstr.) **(Fre)**

[Ovarian hyperstimulation induced by the pulsatile administration of gonadoliberin (letter)] Lorcy Y, et al. **Presse Med** 1984 Nov 17;13(41):2517 **(Fre)**

[Anovulation of hypothalamic origin. Treatment by pulsatile injection of hypothalamic gonadotropin releasing hormone] Schaison G, et al. **Presse Med** 1984 Nov 17;13(41):2511-5 (Eng. Abstr.) **(Fre)**

[Pulsatile treatment with LH-RH using a portable pump: a new modality for inducing ovulation and treating sterility] Thomas D, et al. **Rev Med Brux** 1985 May;6(5):325-33 (Eng. Abstr.) **(Fre)**

[Stimulation of ovulation by follicular puncture] Lechner W. **Zentralbl Gynakol** 1985;107(5):308-10 (Eng. Abstr.) **(Ger)**

[Ovulation induction in sterile females with the polycystic ovary syndrome] Palatyński A, et al. **Zentralbl Gynakol** 1985;107(4):208-12 (Eng. Abstr.) **(Ger)**

[Methods of ovulation induction] Rudolf K. **Zentralbl Gynakol** 1984;106(16):109-16 (Eng. Abstr.) **(Ger)**

[Clinical and endocrinological studies on anovulatory women treated with two-step administration of clomiphene citrate] Yoshio T. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):991-1000 (Eng. Abstr.) **(Jpn)**

VETERINARY

Effects of a single injection of LHRH on the response of anestrous ewes to the introduction of rams. Lopez-Sebastian A, et al. **J Anim Sci** 1984 Aug;59(2):277-83

Induction of oestrus and ovulation by means of prostaglandin and gonadoliberin (GnRH) treatment in an old mare barren for two breeding seasons. Penzhorn BL, et al. **J S Afr Vet Assoc** 1985 Mar;56(1):53-4

Changes in concentrations of prostaglandins and sex steroids around the time of induced ovulation in prepuberal gilts. Yamada Y, et al. **Nippon Juigaku Zasshi** 1984 Oct;46(5):677-85

[Ovulation dynamics and potency in groups of gilts on various farms following different treatments for the stimulation of ovulation] Bergfeld J, et al. **Arch Exp Veterinarmed** 1984 Sep;38(5):735-43 (Eng. Abstr.) **(Ger)**

[Dynamics and potency of ovulation in older sows on several farms following different treatments of stimulate ovulation] Bergfeld J, et al. **Arch Exp Veterinarmed** 1984 Nov;38(6):849-56 (Eng. Abstr.) **(Ger)**

[Shifting of ovulation in gilts by modification of injection dates within the framework of the ovulation synchronization process] Brüssow KP, et al. **Arch Exp Veterinarmed** 1984 Nov;38(6):840-8 (Eng. Abstr.) **(Ger)**

[Ovulation synchronization with a gonadotropin-releasing hormone, following estrus synchronization with Bovisynchron in heifers] Busch W, et al. **Arch Exp Veterinarmed** 1984 Nov;38(6):900-12 (Eng. Abstr.) **(Ger)**

[Alfaprostol for the induction of ovulation during estrus in the mare (2)] Arbeiter K, et al. **DTW** 1985 Mar 8;92(3):87-8 (Eng. Abstr.) **(Ger)**

[Regulation of the sexual cycle in cattle] Voss HJ, et al. **DTW** 1984 Sep 7;91(9):331-40 (157 ref.) **(Ger)**

[Light and electron microscopic studies of uterine glands in cattle during the hormone-induced cycle] Dahir AM, et al. **Zentralbl Veterinarmed [A]** 1985 Apr;32(4):297-311 (Eng. Abstr.) **(Ger)**

OVUM

see related

GRAAFIAN FOLLICLE

Ova of Schistosoma mansoni in urine [letter] Woldemichael T, et al. **Ethiop Med J** 1985 Jul;23(3):137-8

Technique and results of ovarian microsurgery in preparation for in vitro fertilization. Winston RM, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Dec;18(5-6):381-90

Promotion of tick cell growth by proline and fractions from tick eggs. Samish M, et al. **Int J Parasitol** 1985 Feb;15(1):21-6

Number of germ cells and meiotic prophase stages in fetal rat ovaries cultured in vitro. Prépin J, et al. **J Reprod Fertil** 1985 Mar;73(2):579-83

[Results of a 3-year study of soil contamination with Toxocara eggs in Kishinev] Gorash VP, et al. **Med Parazitol (Mosk)** 1985 Jan-Feb;(1):77-80 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

A recessive mutation (ter) causing germ cell deficiency and a high incidence of congenital testicular teratomas in 129/Sv-ter mice. Noguchi T, et al. **JNCI** 1985 Aug;75(2):385-92

ANALYSIS

Nucleotides in a single mammalian ovum or preimplantation embryo. Leese HJ, et al. **Anal Biochem** 1984 Aug 1;140(2):443-8

Biochemical characterization of five glycoprotein molecules of the porcine zona pellucida. Czuppon AB, et al. **Biochem Int** 1985 Jul;11(1):21-34

Fatty acids in the roe lipids of common food fishes. Kaitaranta JK, et al. **Comp Biochem Physiol [B]** 1984;79(3):331-4

Formation of the rabbit zona pellucida and its relationship to ovarian follicular development. Wolgemuth DJ, et al. **Dev Biol** 1984 Nov;106(1):1-14

Phosvitins in Fundulus oocytes and eggs. Preliminary chromatographic and electrophoretic analyses together with biological considerations. Wallace RA, et al. **J Biol Chem** 1985 Sep 15;260(20):11268-74

An improved purification method for cytoplasmic dynein, Pratt MM, et al. **J Cell Biochem** 1984;26(1):19–33

Studies of fish zona pellucida by high-performance ion-exchange chromatography on agarose columns and free zone electrophoresis. Hjertén S, et al. **J Chromatogr** 1985 Jun 14;341(2):295–304

Identification, synthesis, and characterization of the yolk polypeptides of Plodia interpunctella. Shirk PD, et al. **J Exp Zool** 1984 Oct;232(1):87–98

Fatty acid and squalene compositions of Mediterranean Centrophorus SPP egg and liver oils in relation to age. Peyronel D, et al. **Lipids** 1984 Sep;19(9):643–8

Occurrence of a tetrodotoxin-like compound in the eggs of the venomous blue-ringed octopus (Hapalochlaena maculosa). Sheumack DD, et al. **Toxicon** 1984;22(5):811–2

[Acid proteinase from the roe of the trout Salmo gairdneri R.] Nemova NN, et al. **Ukr Biokhim Zh** 1985 May–Jun; 57(3):22–6 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Cytological and histochemical observations on the cortical zone of oocytes of a teleost fish, Nandus nandus (Ham). Saxena RC, et al. **Acta Morphol Neerl Scand** 1984 Oct; 22(3):217–31

Clomiphene-induced changes in endometrial receptor kinetics on the day of ovum collection after ovarian stimulation: a study on cytosol and nuclear estrogen and progestin receptors and 17 beta-hydroxysteroid dehydrogenase. Rönnberg L, et al. **Ann NY Acad Sci** 1985; 442:408–15

The ac field patterns about living cells. Rivera H, et al. **Cell Biophys** 1985 Mar;7(1):43–55

Animal-vegetal polarity in the plasma membrane of a molluscan egg: a quantitative freeze-fracture study. Speksnijder JE, et al. **Dev Biol** 1985 Mar;108(1):38–48

Effect of forskolin on the spontaneous maturation and cyclic AMP content of hamster oocyte-cumulus complexes. Racowsky C. **J Exp Zool** 1985 Apr;234(1):87–96

Circadian variation of ova excretion, proteinuria, hematuria, and leukocyturia in urinary schistosomiasis. Doehring E, et al. **Kidney Int** 1985 Apr;27(4):667–71

A rapid technique for obtaining air dried mitotic chromosomes from mosquito egg rafts. King M, et al. **Stain Technol** 1985 Mar;60(2):119–20

[Echographic control of follicular growth to obtain human preovulatory ova in a stimulated cycle] Todorov I. **Akush Ginekol (Sofiia)** 1984;23(6):468–74 (Eng. Abstr.) **(Bul)**

[Effect of the fetal testis on the number of germ cells in the fetal ovary of rats in vitro] Prepin J, et al. **C R Acad Sci [III]** 1985;300(2):43–7 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Polar effects of concanavalin A on the plasma membrane/cytoskeleton complex in a molluscan egg. Dohmen MR, et al. **Cell Biol Int Rep** 1984 Nov;8(11):901

Copper-stimulated respiration in the unfertilized egg of the Eurasian perch, Perca fluviatilis (L). Akberali HB, et al. **Comp Biochem Physiol [C]** 1984;78(2):349–52

Influence of the polyamine spermine on the organization of cortical filaments in isolated cortices of Xenopus laevis eggs. Grant NJ, et al. **Eur J Cell Biol** 1985 Mar;36(2):239–46

The ovicidal activity of cis-dehydromatricaria ester: time-dependance of its enhancement by UV light. Kagan J, et al. **Experientia** 1984 Dec 15;40(12):1396–7

Mild proteolytic digestion restores exocytotic activity to N-ethylmaleimide-inactivated cell surface complex from sea urchin eggs. Jackson RC, et al. **J Cell Biol** 1985 Jul; 101(1):6–11

Cortical reaction and zona hardening in mouse oocytes following exposure to ethanol. Gulyas BJ, et al. **J Exp Zool** 1985 Feb;233(2):269–76

Cortical granule exocytosis in sea urchin eggs is inhibited by drugs that alter intracellular calcium stores. Stapleton CL, et al. **J Exp Zool** 1985 May;234(2):289–99

Effects of cannabis and natural cannabinoids on chromosomes and ova. Morishima A. **Natl Inst Drug Abuse Res Monogr Ser** 1984;44:25–45 (48 ref.)

Medaka eggs as a model system for screening potential teratogens. Cameron IL, et al. **Prog Clin Biol Res** 1985; 163C:239–43

Effect of the chemosterilant bisazir on the eggs of Earias fabia stoll. Srivastava VK, et al. **Toxicol Lett** 1984 Nov; 23(2):195–200

[Disturbance of oogonia proliferation when oxytetracycline and 17beta-estradiol are introduced into a culture of human fetal ovary] Kurilo LF, et al. **Akush Ginekol (Mosk)** 1985 Apr;(4):53–5 (Eng. Abstr.) **(Rus)**

[Gametotoxic action of oxytetracycline on the early antenatal oogenesis of mice in in vivo and in vitro experiments] Ignat'eva EL, et al. **Farmakol Toksikol** 1984 Sep–Oct; 47(5):75–7 (Eng. Abstr.) **(Rus)**

[Search for ovicides among chemical industrial waste products] Maiboroda LA, et al. **Med Parazitol (Mosk)** 1985 Mar–Apr;(2):44–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Occurrence of type A and type B monoamine oxidase activities in toad egg mitochondria. Nicotra A, et al. **Comp Biochem Physiol [C]** 1984;78(2):353–6

Purification and properties of ovoperoxidase, the enzyme responsible for hardening the fertilization membrane of the sea urchin egg. Deits T, et al. **J Biol Chem** 1984 Nov 10; 259(21):13525–33

Cytoplasmic dynein-like ATPase cross-links microtubules in an ATP-sensitive manner. Hollenbeck PJ, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1251–8

The small subunit of ribonucleotide reductase is encoded by one of the most abundant translationally regulated maternal RNAs in clam and sea urchin eggs. Standart NM, et al. **J Cell Biol** 1985 Jun;100(6):1968–76

An action spectrum of photoreactivating enzyme from sea urchin eggs. Shiroya T, et al. **Photochem Photobiol** 1984 Dec;40(6):749–51

[Properties of cathepsin D from unfertilized eggs, embryos and skeletal muscles of the loach] Gurskaia NI, et al. **Ukr Biokhim Zh** 1985 May–Jun;57(3):26–31 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Development of porcine ova that were centrifuged to permit visualization of pronuclei and nuclei. Wall RJ, et al. **Biol Reprod** 1985 Apr;32(3):645–51

Changes in levels of polymeric tubulin associated with activation and dorsoventral polarization of the frog egg. Elinson RP. **Dev Biol** 1985 May;109(1):224–33

Xenogenous and in vitro fertilization of frozen/thawed primate oocytes and blastomere separation of embryos. DeMayo FJ, et al. **Fertil Steril** 1985 Feb;43(2):295–300

Activation of frog (Xenopus laevis) eggs by inositol trisphosphate. I. Characterization of Ca2+ release from intracellular stores. Busa WB, et al. **J Cell Biol** 1985 Aug; 101(2):677–82

[Initial results of in vitro fertilization and cultivation of human preovulatory ova in sterile women] Todorov S, et al. **Akush Ginekol (Sofiia)** 1984;23(6):463–8 (Eng. Abstr.) **(Bul)**

[Female germ cell development during the meiotic prophase in the rat: criteria for cytoplasmic and nuclear identification of the different stages on thin histological slides] Bézard J, et al. **Reprod Nutr Dev** 1984;24(5A):633–54 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Fertility control in the bitch by active immunization with porcine zonae pellucidae: use of different adjuvants and patterns of estradiol and progesterone levels in estrous cycles. Mahi-Brown CA, et al. **Biol Reprod** 1985 May; 32(4):761–72

Monoclonal antibodies to the murine zona pellucida protein with sperm receptor activity: effects on fertilization and early development. East IJ, et al. **Dev Biol** 1985 Jun; 109(2):268–73

Immunization with zona pellucida proteins results in abnormal ovarian follicular differentiation and inhibition of gonadotropin-induced steroid secretion. Skinner SM, et al. **Endocrinology** 1984 Dec;115(6):2418–32

Detection of auto-antibodies to zona pellucida in human sera. Buckshee K, et al. **Indian J Med Res** 1984 Sep;80:288–92

Introduction of human gamma 1 immunoglobulin genes into fertilized mouse eggs. Yamamura K, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):357–63

Identification of molecular components of the centrosphere in the mitotic spindle of sea urchin eggs. Kuriyama R, et al. **J Cell Biol** 1985 Aug;101(2):524–30

In vivo interaction of antibodies with cell surface antigens. A mechanism responsible for in situ formation of immune deposits in the zona pellucida of rabbit oocytes. Matsuo S, et al. **J Clin Invest** 1985 Apr;75(4):1369–80

Glycopeptides in soluble egg antigen of Schistosoma mansoni: isolation, characterization, and elucidation of their immunochemical and immunopathological relation to the major egg glycoprotein (MEG). Lustigman S, et al. **J Immunol** 1985 Mar;134(3):1961–7

Induction of granuloma modulation in murine schistosomiasis mansoni by enteric exposure to schistosome eggs. Weinstock JV, et al. **J Immunol** 1985 Jul;135(1):560–3

Characterization of developmentally regulated epitopes of Schistosoma mansoni egg glycoprotein antigens. Weiss JB, et al. **J Immunol** 1985 Aug;135(2):1421–9

Enzyme-linked immunosorbent determination of autoantibodies to zona pellucida as a possible cause of infertility in women. Singh J, et al. **J Immunol Methods** 1985 May 10;79(1):133–41

Response of monkeys to porcine zona pellucida as detected by a solid-phase radioimmunoassay. Gulyas BJ, et al. **J Med Primatol** 1983;12(6):331–42

Production and characterization of monoclonal antibodies to cross-reactive antigens of human and porcine zonae pellucidae. Koyama K, et al. **J Reprod Immunol** 1985 May; 7(3):187–98

Comparison of an enzyme-linked immunosorbent assay using crude S. haematobium soluble egg antigen with a radioimmunoassay using purified S. mansoni egg antigen for the serodiagnosis of schistosomiasis haematobium. Stek M, et al. **J Trop Med Hyg** 1985 Feb;88(1):1–6

Application of formalin-fixed Schistosoma japonicum eggs to the circumoval precipitin test. Kamiya H, et al. **Z Parasitenkd** 1984;70(6):823–6

[Application of monoclonal antibodies to sperm and egg antigens for analysis of fertilization mechanism] Kayama K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Sep; 36(9):1359–66 **(Jpn)**

[Studies on incidence and characterization of antibodies to zona pellucida (Z.P.) in human sera] Takeda M. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):935–44 (Eng. Abstr.) **(Jpn)**

METABOLISM

Dynamics of zona pellucida formation by the mouse oocyte. An autoradiographic study. Fléchon JE, et al. **Biol Cell** 1984;51(3):403–6

Proteolysis of specific porcine zona pellucida glycoproteins by boar acrosin. Dunbar BS, et al. **Biol Reprod** 1985 Apr; 32(3):619–30

O-linked oligosaccharides of mouse egg ZP3 account for its sperm receptor activity. Florman HM, et al. **Cell** 1985 May;41(1):313–24

Kinetics of water loss and the likelihood of intracellular freezing in mouse ova. Influence of the method of calculating the temperature dependence of water permeability. Mazur P, et al. **Cell Biophys** 1984 Sep; 6(3):197–213

Regulation of stage-specific gene expression during early mouse development: effect of cytochalasin B and aphidicolin on stage-specific protein synthesis in mouse eggs. Petzoldt U. **Cell Differ** 1984 Dec;15(2–4):163–7

Cytoplasmic tubulin from the unfertilized sea urchin egg: II. Variation of the intrinsic calcium sensitivity of Strongylocentrotus purpuratus egg tubulin as a function of temperature and brain microtubule-associated proteins. Suprenant KA, et al. **Cell Motil** 1984;4(5):333–50

Transport by gas-phase diffusion: lessons learned from the hen's egg. Rahn H, et al. **Clin Physiol** 1985;5 Suppl 3:1–7

Sodium balance in eggs and dechorionated embryos of the Atlantic salmon Salmo salar L. exposed to zinc, aluminium and acid waters. Eddy FB, et al. **Comp Biochem Physiol [C]** 1985;81(2):259–66

Xenobiotics in gametes of Lake Michigan lake trout (Salvelinus namaycush) induce hepatic monooxygenase activity in their offspring. Binder RL, et al. **Fundam Appl Toxicol** 1984 Dec;4(6):1042–54

Mechanism of microtubule assembly. Changes in polymer structure and organization during assembly of sea urchin egg tubulin. Detrich HW 3d, et al. **J Biol Chem** 1985 Aug 5;260(16):9479–90

An elevated free cytosolic Ca2+ wave follows fertilization in eggs of the frog, Xenopus laevis. Busa WB, et al. **J Cell Biol** 1985 Apr;100(4):1325–9

Distribution of fluorescently labeled tubulin injected into sand dollar eggs from fertilization through cleavage. Hamaguchi Y, et al. **J Cell Biol** 1985 Apr;100(4):1262–72

Intracellular sodium activity in the sea urchin egg during fertilization. Shen SS, et al. **J Cell Biol** 1985 Aug; 101(2):420–6

Development in vitro of the female germ cells of the polychaete Ophryotrocha labronica. Emanuelsson H, et al. **J Embryol Exp Morphol** 1985 Feb;85:151–61

Intracellular chloride activity and pH during polar lobe formation and cytokinesis in eggs and embryos of Ilyanassa obsoleta. Conrad GW. **J Exp Zool** 1984 Oct;232(1):107–15

Limited and specific proteolysis of the zona pellucida by acrosin. Urch UA, et al. **J Exp Zool** 1985 Mar; 233(3):479–83

Limited proteolysis of the porcine zona pellucida by homologous sperm acrosin. Brown CR, et al. **J Reprod Fertil** 1985 May;74(1):257–60

Phosphatidylinositol metabolism during fertilization in the sea urchin egg. Kamel LC, et al. **Lipids** 1985 Jun; 20(6):350–6

Stimulation of the Na/H exchanger of sea urchin eggs by phorbol ester. Swann K, et al. **Nature** 1985 Mar 21–27; 314(6008):274–7

[Use of different oxidation substrates in the energy metabolism of mammalian germ cells and embryos] Troshko EV, et al. **Biol Nauki** 1984;(10):5–13 (45 ref.) (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Natural transovarial transmission of dengue 4 virus in Aedes aegypti in Trinidad. Hull B, et al. **Am J Trop Med Hyg** 1984 Nov;33(6):1248–50

Penetration of ovicidal fungi through altered egg-shells of Ascaris suum. Chalupová V, et al. **Folia Parasitol (Praha)** 1985;32(2):189–92

Comparative susceptibility of embryonated hen eggs and pig lung alveolar macrophages to chlamydial infection. Hood JW, et al. **Vet Res Commun** 1985 Apr;9(2):135–41

PHYSIOLOGY

Trichostrongylus colubriformis: relationship between ageing of infective larvae, infectivity and egg production by adult female worms. Mallet S, et al. **Ann Rech Vet** 1985; 16(1):99–104

Binding of mouse spermatozoa to the zonae pellucidae of mouse eggs in cumulus: evidence that the acrosomes remain substantially intact. Storey BT, et al. **Biol Reprod** 1984 Dec; 31(5):1119–28

Aged gametes, adverse pregnancy outcomes and natural family planning. An epidemiologic review. Gray RH. **Contraception** 1984 Oct;30(4):297–309

Toad egg-jelly as a source of divalent cations essential for fertilization. Ishihara K, et al. **Dev Biol** 1984 Oct;

105(2):435–42

Repetitive sequence transcripts and U1 RNA in mouse oocytes and eggs. Kaplan G, et al. **Dev Biol** 1985 May; 109(1):15–24

Characterization of a Ca2+–stimulated lipid peroxidizing system in the sea urchin egg. Perry G, et al. **Dev Biol** 1985 Jan;107(1):47–57

Fertilization stimulates lipid peroxidation in the sea urchin egg. Perry G, et al. **Dev Biol** 1985 Jan;107(1):58–65

Fertilization potential and electrical properties of the Xenopus laevis egg. Webb DJ, et al. **Dev Biol** 1985 Feb; 107(2):395–406

Adenylate cyclase activity in zona–free mouse oocytes. Bornslaeger EA, et al. **Exp Cell Res** 1985 Jan;156(1):277–81

Chromosomal sex and distribution of functional germ cells in a series of chimeric mice. Iannaccone PM, et al. **Exp Cell Res** 1985 Feb;156(2):471–7

Fertilization of investment–free Xenopus eggs. Stewart–Savage J, et al. **Exp Cell Res** 1984 Oct; 154(2):639–42

Comparison of the in vitro development of mouse single blastomeres with and without the zona pellucida. Tojo H, et al. **Experientia** 1985 Jan 15;41(1):108–9

Effect of aging and cold temperature storage of hamster ova as assessed in the sperm penetration assay. Syms AJ, et al. **Fertil Steril** 1985 May;43(5):766–72

Normal female germ cell differentiation requires the female X chromosome to autosome ratio and expression of sex–lethal in Drosophila melanogaster. Schüpbach T. **Genetics** 1985 Mar;109(3):529–48

Transperitoneal migration and ovum capture in rabbits. Beyth Y, et al. **Isr J Med Sci** 1985 Jun;21(6):514–6

Source and sinks for the calcium released during fertilization of single sea urchin eggs. Eisen A, et al. **J Cell Biol** 1985 May;100(5):1522–7

Temporal sequence and spatial distribution of early events of fertilization in single sea urchin eggs. Eisen A, et al. **J Cell Biol** 1984 Nov;99(5):1647–54

Maturation involves suppression of voltage–gated currents in the frog oocyte. Taglietti V, et al. **J Cell Physiol** 1984 Dec;121(3):576–88

The application of the zona–free hamster egg test for the prognosis of human in vitro fertilization. Foreman R, et al. **J In Vitro Fert Embryo Transfer** 1984 Sep;1(3):166–71

Two calcium currents in Neanthes arenaceodentatus egg cell membranes. Fox AP, et al. **J Physiol (Lond)** 1984 Nov; 356:491–505

Cortical and zona reactions of heat–activated mouse eggs. Komar A, et al. **J Reprod Fertil** 1985 Mar;73(2):479–82

Properties of the zona pellucida of cytochalasin B–induced triploid mouse eggs. Niemierko A. **J Reprod Fertil** 1985 Mar;73(2):313–6

Irreversible swelling of secretory granules during exocytosis caused by calcium. Zimmerberg J, et al. **Nature** 1985 Jun 13–19;315(6020):581–4

The effective membrane capacity of Xenopus eggs: its relations with membrane conductance and cortical granule exocytosis. Peres A, et al. **Pflugers Arch** 1985 Jul; 404(3):266–72

Counterarguments against alleged proof of the NA–K pump in studies of K+ and Na+ distributions in amphibian eggs. Ling GN. **Physiol Chem Phys Med NMR** 1984; 16(4):293–305

Multiple polymorphic alpha– and beta–tubulin mRNAs are present in sea urchin eggs. Alexandraki D, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):134–8

All components required for the eventual activation of muscle–specific actin genes are localized in the subequatorial region of an uncleaved amphibian egg. Gurdon JB, et al. **Proc Natl Acad Sci USA** 1985 Jan; 82(1):139–43

Zona–free hamster ovum penetration by human spermatozoa: influence of various sperm factors. Courtot AM, et al. **Reprod Nutr Dev** 1985;25(3):521–9

Gas diffusive conductance of sea–level hen eggs incubated at 2900 m altitude. Handrich Y, et al. **Respir Physiol** 1985 May;60(2):237–52

The use of vital dyes to assess embryonic viability in the hamster, Mesocricetus auratus. Hutz RJ, et al. **Stain Technol** 1985 May;60(3):163–7

Ecdysteroids in developing ovaries and eggs of the tobacco hornworm. Thompson MJ, et al. **Steroids** 1984 Mar; 43(3):333–41

[The use of methylene blue–eosin–borax stain in determining the viability of Ascaris ova] Zhou BF, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(1):48–9 (Eng. Abstr.) **(Chi)**

[The zona pellucida, its properties and significance in the process of fertilization] Ulčová–Gallová Z. **Cesk Gynekol** 1985 Jul;50(6):421–6 (68 ref.) **(Cze)**

RADIATION EFFECTS

Mutational changes of quantitative morphological traits in the convict cichlid (Cichlasoma nigrofasciatum Guenther) after irradiation of parental spermatogonia and oogonia with different doses of X–rays. Schröder JH, et al. **Mutat Res** 1985 Apr;149(2):209–19

Action spectrum for photoreactivation of ultraviolet–induced morphological abnormality in sea urchin eggs. Ejima Y, et al. **Photochem Photobiol** 1984 Oct;40(4):461–4

The phototoxicity of 2,5–diphenyloxazole (POP) and 1,4–bis(5–phenyloxazol–2–yl)benzene (POPOP). Kagan J, et al. **Photochem Photobiol** 1984 Oct;40(4):479–83

TRANSPLANTATION

Gamete intra–fallopian transfer (GIFT): a new treatment for infertility. Asch RH, et al. **Int J Fertil** 1985;30(1):41–5

Pregnancy after total ovariectomy achieved by ovum donation [letter] Feichtinger W, et al. **Lancet** 1985 Sep 28; 2(8457):722–3

ULTRASTRUCTURE

Three–dimensional reconstruction of innermost chorion layer from Drosophila melanogaster. Margaritis LH, et al. **Biol Cell** 1984;52(3):279–84

Comparison of chromosomal abnormalities in hamster egg and human sperm pronuclei. Martin RH. **Biol Reprod** 1984 Nov;31(4):819–25

Chromatin organization in Paracentrotus lividus eggs. Di Liegro I, et al. **Cell Biol Int Rep** 1985 Aug;9(8):689–98

Development of cortical polarity in mouse eggs: involvement of the meiotic apparatus. Longo FJ, et al. **Dev Biol** 1985 Feb;107(2):382–94

Intracellular pH shift leads to microtubule assembly and microtubule–mediated motility during sea urchin fertilization: correlations between elevated intracellular pH and microtubule activity and depressed intracellular pH and microtubule disassembly. Schatten G, et al. **Eur J Cell Biol** 1985 Jan;36(1):116–27

Microvillar elongation following parthenogenetic activation of sea urchin eggs. Byrd W, et al. **Exp Cell Res** 1985 Jul; 159(1):211–23

Alpha–actinin from sea urchin eggs: biochemical properties, interaction with actin, and distribution in the cell during fertilization and cleavage. Mabuchi I, et al. **J Cell Biol** 1985 Feb;100(2):375–83

'Spiral asters' and cytoplasmic rotation in sea urchin eggs: induction in Strongylocentrotus purpuratus eggs by elevated temperature. Schroeder TE, et al. **J Cell Biol** 1985 Apr;100(4):1056–62

Isolation and partial characterization of Urechis caupo egg envelopes. Cross NL, et al. **J Cell Sci** 1985 Mar;74:193–205

Ultrastructural analysis of the initiation and development of cytasters in sea–urchin eggs. Kallenbach RJ. **J Cell Sci** 1985 Feb;73:261–78

Electron microscopic observations on sperm entry and pronuclear formation in naked eggs of the rose bitterling in polyspermic fertilization. Ohta T. **J Exp Zool** 1985 May; 234(2):273–81

Mouse egg extracellular coat is a matrix of interconnected filaments possessing a structural repeat. Greve JM, et al. **J Mol Biol** 1985 Jan 20;181(2):253–64

Development of surface polarity in mouse eggs. Longo FJ, et al. **Scan Electron Microsc** 1984;(Pt 2):703–16

Trichuris muris: structure and formation of the egg polar plugs. Preston CM, et al. **Z Parasitenkd** 1985;71(3):373–81

[Failures at in vitro fertilization: electron microscopic studies of unfertilized oocytes and undivided ova] Arnal F, et al. **Bull Assoc Anat (Nancy)** 1983 Dec;67(199):363–74 (Eng. Abstr.) **(Fre)**

OVUM IMPLANTATION

Effects of intrauterine instillation of antiserum to hCG during early pregnancy in mice. Joshi NJ, et al. **Acta Endocrinol (Copenh)** 1984 Oct;107(2):268–74

Biology of nidation and ectopic implantation. De Cecco L, et al. **Acta Eur Fertil** 1984 Sep–Oct;15(5):347–55 (49 ref.)

Early implantation stages in the marmoset monkey (Callithrix jacchus). Moore HD, et al. **Am J Anat** 1985 Apr; 172(4):265–78

Implantation of the rabbit blastocyst: sequential changes in estradiol and progesterone and their receptors. Khan–Dawood FS, et al. **Am J Obstet Gynecol** 1984 Nov 1;150(5 Pt 1):450–5

Implantation site in normal pregnancy. A study with monoclonal antibodies. Kabawat SE, et al. **Am J Pathol** 1985 Jan;118(1):76–84

Selective localization of a bone marrow cell subpopulation at the implantation site in murine decidua. Krcek J, et al. **Am J Reprod Immunol Microbiol** 1985 Mar;7(3):95–8

Failure of human pregnancy after implantation. Grudzinskas JG, et al. **Ann NY Acad Sci** 1985;442:38–44

The glycocalyx of the mouse uterine luminal epithelium during estrus, early pregnancy, the peri–implantation period, and delayed implantation. I. Acquisition of Ricinus communis I binding sites during pregnancy. Chávez DJ, et al. **Biol Reprod** 1985 Jun;32(5):1135–42

Purification and immunohistology of a glycoprotein secreted from the rabbit uterus before implantation. Thie M, et al. **Cell Tissue Res** 1984;237(1):155–60

Altered trophoblast functions in implantation–defective mouse embryos. Axelrod HR. **Dev Biol** 1985 Mar; 108(1):185–90

Actin mRNA content in normal and delayed implanting mouse embryos. Giebelhaus DH, et al. **Dev Biol** 1985 Feb; 107(2):407–13

Urinary hormone levels at the time of ovulation and implantation. Lasley BL, et al. **Fertil Steril** 1985 Jun; 43(6):861–7

Influence of insemination on the implantation of transferred rat blastocysts. Carp HJ, et al. **Gynecol Obstet Invest** 1984; 18(4):194–8

Effects of metabolic substrates and ionic environment on in–vitro activation of delayed implanting mouse blastocysts. Nieder GL, et al. **J Reprod Fertil** 1985 Jan;73(1):151–7

Photoperiod and delayed implantation in the northern fur seal (Callorhinus ursinus). Temte JL. **J Reprod Fertil** 1985 Jan;73(1):127–31

An assessment of mast–cell deficient mice (W/Wv) as a model system to study the role of histamine in implantation and deciduoma formation. Wordinger RJ, et al. **J Reprod Fertil** 1985 Mar;73(2):451–6

Sera from women with histories of repeated pregnancy losses cause abnormalities in mouse peri–implantation blastocysts. Chávez DJ, et al. **J Reprod Immunol** 1984 Aug;6(5):273–81

Causes of implantation failure after in–vitro fertilisation and embryo transfer [letter] O'Neill C, et al. **Lancet** 1985 Sep 14;2(8455):615

Placental proteins in the diagnosis and evaluation of the 'elusive' early pregnancy. Sinosich MJ, et al. **Obstet Gynecol Surv** 1985 May;40(5):273–82 (66 ref.)

Relationship between ovarian delta 5–3 beta–hydroxysteroid dehydrogenase activity and implantation in non–lactating and lactating mongolian gerbils (Meriones unguiculatus). Norris ML. **Reprod Nutr Dev** 1984;24(6):953–61

[Criteria for evaluating the quality of embryos obtained by IVF and their aptitude for implantation] Humeau C. **Ann Biol Clin (Paris)** 1985;43(1):23–6 (Eng. Abstr.) **(Fre)**

[Rate of pregnancy in the treatment of sterility during spontaneous and therapy cycles] Bubenheim W, et al. **Geburtshilfe Frauenheilkd** 1985 Jul;45(7):459–61 (Eng. Abstr.) **(Ger)**

[Studies on implantation traces in rats. I. Size, observation period and staining] Yamada T, et al. **Jikken Dobutsu** 1985 Jan;34(1):17–22 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the mechanism of implantation observed from PGF levels] Kasamo M. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jan;37(1):83–91 (Eng. Abstr.) **(Jpn)**

[Mechanisms of the regulation of early embryogenesis] Vorob'ev NN. **Izv Akad Nauk SSSR [Biol]** 1985 Jan–Feb; (1):61–71 (Eng. Abstr.) **(Rus)**

[Endocrine participation of the blastocyst during its implantation] Castro Osuna MG, et al. **Ginecol Obstet Mex** 1983 Jan;51(309):1–6 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Catechol oestrogen induced initiation of implantation in the delayed implanting rat. Kantor BS, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):418–22

Contraceptive potency of Pueraria tuberosa D.C. and its hormonal status. Prakash AO, et al. **Acta Eur Fertil** 1985 Jan–Feb;16(1):59–65

Implantation disturbance studies with linear alkylbenzene sulphonate in mice. Koizumi N, et al. **Arch Environ Contam Toxicol** 1985 Jan;14(1):73–81

The effect of clomiphene citrate on blastocyst development and implantation in the rabbit. Birkenfeld A, et al. **Cell Tissue Res** 1985;241(3):495–503

The zoapatle. VII. Antiimplantation effect in the rat of zoapatle aqueous crude extract (ZACE) from Montanoa tomentosa and Montanoa frutescens. Pedrón N, et al. **Contraception** 1985 May;31(5):499–507

Protective effects of AET, MEA, and 5–HT in X–irradiated pregnant porton mice. Mazur L. **Folia Biol (Krakow)** 1984; 32(1–2):81–7

Effect of post–coital administration of inhibin enriched peptide on early pregnancy in the golden hamster Mesocricetus auratus. Bapat BV, et al. **Indian J Exp Biol** 1984 Feb;22(2):71–4

Pattern of ovarian and uterine carbohydrate metabolism during induced antiimplantation by (+)gossypol. Reddy RM, et al. **Indian J Exp Biol** 1984 Jul;22(7):367–71

Anti–implantation effect of neem oil. Sinha KC, et al. **Indian J Med Res** 1984 Dec;80:708–10

Induction of implantation by aromatase inhibitors in ovariectomized mice. Wu JT. **J Reprod Fertil** 1984 Nov; 72(2):345–9

Gossypol in female fertility control: ovum implantation and early pregnancy inhibited in rats. Lin YC, et al. **Life Sci** 1985 Jul 8;37(1):39–47

[The antifertility action of anordrin and its effect on plasma levels of progesterone in rabbits] Gu XG. **Yao Hsueh Hsueh Pao** 1985 Feb;20(2):84–8 (Eng. Abstr.) **(Chi)**

[The effect of indomethacin on the implantation and metabolism of blastocysts] Uehara S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb;37(2):201–6 (Eng. Abstr.) **(Jpn)**

OVUM IMPLANTATION, DELAYED see under **OVUM IMPLANTATION**

OVUM–SPERM INTERACTIONS see **SPERM–OVUM INTERACTIONS**

OVUM TRANSPORT

Morphology of the intercapsular segment of the oviduct in the golden hamster with special reference to ovum–transit from ruptured follicles to the ampulla. Nakatani T, et al. **Experientia** 1985 Mar 15;41(3):368–70

Transperitoneal migration and ovum capture in rabbits. Beyth Y, et al. **Isr J Med Sci** 1985 Jun;21(6):514-6

Further investigation of the role of progesterone in the control of embryo transport in the mouse. Grieve KL, et al. **J Reprod Fertil** 1985 Jan;73(1):279-83

Evidence of contralateral ovulation in ectopic pregnancy. Berry SM, et al. **J Ultrasound Med** 1985 Jun;4(6):293-5

Effect of microsurgical ampullary segmental reversal on fertilization in the rabbit. Nagasaka T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Nov;36(11):2155-60

Sow (Sus scrofa) follicular fluid: prostaglandin content and effect on the motility of isolated oviducts. Gimeno MF, et al. **Prostaglandins** 1985 May;29(5):831-46

DRUG EFFECTS

Varying responses of ovum transport in mice related to dose and time of administration of oestradiol. Moscoso H, et al. **Acta Physiol Pharmacol Latinoam** 1984;34(3):253-61

[The effect of hormonal preparations on superovulation and egg transport in ewes] Arendarčik J, et al. **Vet Med (Praha)** 1984 Oct;29(10):619-26 (Eng. Abstr.) **(Slo)**

OWNERSHIP

Assessing the financial characteristics of multi-institutional organizations. Coyne JS. **Health Serv Res** 1985 Feb;19(6 Pt 1):701-15

ECONOMICS

Private-sector health-care initiatives. Davis S. **Mt Sinai J Med (NY)** 1985 Jun;52(6):409-13

TRENDS

Interstate variations in the growth of chain-owned proprietary hospitals, 1973-1982. Mullner R, et al. **Inquiry** 1984 Summer;21(2):144-51

1-OXACEPHALOSPORIN see **MOXALACTAM**

OXACILLIN

ADMINISTRATION & DOSAGE

[Local treatment of post-injection abscesses with a combination of oxytocin and antibiotics] Zak VI, et al. **Khirurgiia (Mosk)** 1985 May;(5):112-5 **(Rus)**

ADVERSE EFFECTS

Prolonged severe cholestasis induced by oxacillin derivatives. A report on two cases. Tauris P, et al. **Acta Med Scand** 1985;217(5):567-9

[Neutropenia from oxacillin. 3 pediatric cases] Teyssier G, et al. **Pediatrie** 1984 Sep;39(6):451-4 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

[A method of quality control of 3-phenyl-5-methylisoxazole-4-carbonic acid chloranhydride using high performance liquid chromatography] Vtorov IB, et al. **Antibiot Med Biotekhnol** 1985 Mar;30(3):201-4 (Eng. Abstr.) **(Rus)**

METABOLISM

[Molecular mechanism of oxacillin interaction with human serum albumin studied by microcalorimetry] Markovich MN, et al. **Antibiot Med Biotekhnol** 1985 Apr;30(4):281-4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Prophylactic oxacillin for cat bite wounds [letter] Gandy W. **Ann Emerg Med** 1984 Nov;13(11):1083

Chemotherapy of systemic murine infection due to beta-lactam antibiotic 'tolerant' and non-'tolerant' Staphylococcus aureus. Traub WH. **Chemotherapy** 1985;31(1):40-9

[Peritonitis in renal failure patients treated by continuous ambulatory peritoneal dialysis. Treatment by intraperitoneal administration of a group M penicillin] Pierre D, et al. **Presse Med** 1985 Jun 29;14(26):1413-6 (Eng. Abstr.) **(Fre)**

[Perioperative antibiotic prophylaxis and the risk of wound infection in kidney transplantation] Grundmann R, et al. **Fortschr Med** 1984 Dec 20;102(47-48):1199-202 (Eng. Abstr.) **(Ger)**

[Staphylococcal endocarditis associated with valve prosthesis. Therapeutic problems and description of a clinical case] Pasticci MB, et al. **Clin Ter** 1984 Sep 15;110(5):437-43 (Eng. Abstr.) **(Ita)**

OXADIAZOLES

Proceedings of the International Symposium on Molsidomine. November 5, 1983, Brussels, Belgium. **Am Heart J** 1985 Mar;109(3 Pt 2):625-724

Study of protein adsorption on glass surfaces with a hydrophobic fluorescent probe. Mizutani T, et al. **Chem Pharm Bull (Tokyo)** 1984 Jun;32(6):2395-400

Identification of an essential beta chain lysine residue from bovine heart mitochondrial ATPase specifically modified with nitrobenzofurazan. Sutton R, et al. **FEBS Lett** 1985 Jan 7;179(2):283-8

Chemical modification of tropomyosin with NBD-chloride. Miki M. **J Biochem (Tokyo)** 1985 Apr;97(4):1067-72

[High performance liquid chromatography of amino acids and polyamines utilizing NBD-F as a precolumn labeling reagent] Imai K. **Tanpakushitsu Kakusan Koso** 1984 Jun;29(6):469-71 **(Jpn)**

ADMINISTRATION & DOSAGE

Combination of metoprolol with molsidomine in the treatment of angina pectoris. van Mantgem JP, et al. **Eur J Clin Pharmacol** 1985;28(2):109-11

BLOOD

Anion transport in single erythrocyte ghosts measured by fluorescence microphotolysis. Peters R, et al. **Biochim Biophys Acta** 1984 Nov 7;777(2):334-8

CHEMICAL SYNTHESIS

Syntheses, structures and antimicrobial properties of some halogenofuroxans and related furazans. Calvino R, et al. **Arch Pharm (Weinheim)** 1984 Aug;317(8):695-701

Synthesis, metabolism, and disposition of the antiinflammatory 3-[2-(4-methylphenyl)-thioethyl]-sydnone-5-14C in the rat. Pirl JN, et al. **Arzneimittelforsch** 1985;35(3):578-84

Preparation of 7-(1,3,4-oxadiazolyl)-6,14-endo-etheno-6,7,8,14-tetrahydrothebaines and related compounds as potential analgesics. Bentley KW, et al. **J Med Chem** 1984 Oct;27(10):1276-80

Biochemical and pharmacological properties of symmetrical 2,5-disubstituted 1,3,4-oxadiazoles. Sharma BL, et al. **Pharmazie** 1984 Dec;39(12):858-9

[The synthesis of some 5-aryl-2-amino-1,3,4-oxadiazoles and thiadiazoles and preliminary pharmacologic research] Mazzone G, et al. **Boll Chim Farm** 1983 Mar;122(3):130-6 (Eng. Abstr.) **(Ita)**

[Synthesis and pharmacological studies of new 1,4,7-oxadiazonine and 1,5,6-oxadiazonine derivatives] Mikiciuk-Olasik E, et al. **Acta Pol Pharm** 1984;41(1):49-54 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

NBD-taurine fluorescence as a probe of anion exchange in gallbladder epithelium. Foskett JK. **Am J Physiol** 1985 Jul;249(1 Pt 1):C56-62

METABOLISM

Relationship between pharmacokinetics and pharmacodynamics of molsidomine and its metabolites in humans. Meinertz T, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):644-8

Pharmacokinetics of molsidomine in humans. Ostrowski J, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):641-3

Asymmetric transport of a fluorescent glucose analogue by human erythrocytes. Speizer L, et al. **Biochim Biophys Acta** 1985 Apr 26;815(1):75-84

Intravenous and oral administration of molsidomine, a pharmacodynamic and pharmacokinetic study. Bergstrand R, et al. **Eur J Clin Pharmacol** 1984;27(2):203-8

Identification of the lysine residue to which the 4-nitrobenzofurazan group migrates after the bovine mitochondrial F1-ATPase is inactivated with 7-chloro-4-nitro[14C]benzofurazan. Andrews WW, et al. **J Biol Chem** 1984 Dec 10;259(23):14378-82

Transbilayer movement of a fluorescent phosphatidylethanolamine analogue across the plasma membranes of cultured mammalian cells. Sleight RG, et al. **J Biol Chem** 1985 Jan 25;260(2):1146-54

Calcium antagonist binding sites in the rat brain: quantitative autoradiographic mapping using the 1,4-dihydropyridines [3H]PN 200-110 and [3H]PY 108-068. Cortés R, et al. **J Neural Transm** 1984;60(3-4):169-97

The interaction of [3H]PY 108-068 and of [3H]PN 200-110 with calcium channel binding sites in rat brain. Supavilai P, et al. **J Neural Transm** 1984;60(3-4):149-67

Non-specific binding of the fluorescent beta-adrenergic receptor probe alprenolol-NBD. Rademaker B, et al. **J Recept Res** 1985;5(2-3):121-31

Selective association of N-methyl aspartate and quisqualate types of L-glutamate receptor with brain postsynaptic densities. Fagg GE, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6876-80

PHARMACODYNAMICS

Hemodynamic changes produced by molsidomine in patients with congestive myocardiopathy. Otero F, et al. **Acta Cardiol (Brux)** 1984;39(5):353-63

Effect of molsidomine on cardiac preload, coronary artery diameter, and coronary resistance. Bassenge E, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):627-30

Evaluation of the effects of molsidomine by cardiac equilibrium blood pool scintigraphy. Chevigné M, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):658-61

Hemodynamic and coronary effects of molsidomine at basal state, during atrial pacing, and during cold pressor test in patients with stable angina pectoris. Juliard JM, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):662-6

Mechanism of vasodilation by molsidomine. Kukovetz WR, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):637-40

Hemodynamic effects of molsidomine, isosorbide dinitrate, and nifedipine at rest and during exercise. Schartl M, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):649-53

Effects of molsidomine on regional contraction and global function of the left ventricle. Stauch M, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):653-8

Influence of molsidomine on thiol-groups of mitochondrial membranes. Zimmer G, et al. **Arzneimittelforsch** 1985;35(1):103-6

Cardiovascular pharmacology of molsidomine. Thulesius O. **Bibl Cardiol** 1984;(38):234-43 (40 ref.)

Identification of an essential lysine residue in the beta subunit of the F1-ATPase from the thermophilic bacterium, PS3, using 7-chloro-4-nitro[14C]benzofurazan. Andrews WW, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):1040-6

Effect of molsidomine, an anti-anginal drug, on arachidonic acid metabolism in human platelets. Croset M, et al. **Biomed Biochim Acta** 1984;43(8-9):S354-7

Influence of aspirin, molsidomine, trapidil, and some trapidil derivatives on arachidonic acid induced reversible thrombocyte aggregation in the rabbit. Zehl U, et al. **Biomed Biochim Acta** 1984;43(8-9):S381-4

Tyrosine-311 of a beta chain is the essential residue specifically modified by 4-chloro-7-nitrobenzofurazan in bovine heart mitochondrial ATPase. Sutton R, et al. **Eur J Biochem** 1985 May 2;148(3):551-4

Effect of nufenoxole on human colonic prostanoid synthesis, Na-K-ATPase and adenylate cyclase activities. Rachmilewitz D, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):153-8

Nufenoxole, a new antidiarrhoeal agent, inhibits fluid secretion in the human jejunum. Moriarty KJ, et al. **Gut** 1985 Jan;26(1):75-80

Mitochondrial F1-ATPase will bind and cleave ATP but only slowly release ADP after N,N'-dicyclohexylcarbodiimide or 7-chloro-4-nitrobenzo-2-oxa-1,3-diazole derivatization. Kandpal RP, et al. **J Biol Chem** 1985 May 10;260(9):5542-7

Separation of the coronary vasodilator from the cardiac effects of PN 200-110, a new dihydropyridine calcium antagonist, in the dog heart. Wada Y, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb;7(1):190-6

The effect of molsidomine on intramyocardial pressure and regional myocardial blood flow in the canine ischemic myocardium. Kinoshita M, et al. **Jpn Circ J** 1985 May;49(5):507-15

Molsidomine on cardiovascular leukotriene D4 actions. Fiedler VB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Apr;329(2):152-7

Selective potentiating effect of beta-p-chlorophenylglutamate on responses induced by certain sulphur-containing excitatory amino acids and quisqualate. Davies J, et al. **Neuropharmacology** 1985 Feb;24(2):177-80

Quisqualate and L-glutamate inhibit retinal horizontal-cell responses to kainate. Ishida AT, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1837-41

[Effects of molsidomine during the cold test in stable coronary insufficiency under beta-blocker treatment] Zygelman M, et al. **Arch Mal Coeur** 1984 Nov;77(12):1383-9 (Eng. Abstr.) **(Fre)**

[Comparative effect of the psychostimulants sidnocarb and fenamin on the tyrosine hydroxylase activity of the brain synaptosomes in rats] Ganiev MM, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):27-32 (Eng. Abstr.) **(Rus)**

[Posture-related changes in hemodynamics in humans after administration of sidnocarb and its combination with obsidan] Modin AIu, et al. **Kosm Biol Aviakosm Med** 1984 Sep-Oct;18(5):54-8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Long-term clinical and hemodynamic results of molsidomine treatment in patients with refractory heart failure. Acar J, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):685-7

Effects of molsidomine on left ventricular dimensions and cardiac function in patients with chronic heart failure. Berkenboom GM, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):691-3

Hemodynamic effects of molsidomine in patients with heart failure following acute myocardial infarction. Cantelli I, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):716-9

Evaluation of the chronic antianginal effect of molsidomine. Dalla-Volta S, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):682-4

Double-blind, randomized, placebo-controlled study of molsidomine in patients with stable effort angina receiving beta-blocker therapy with atenolol. De Backer GG, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):678-81

Molsidomine in the treatment of acute heart failure. Drajer S, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):712-5

The influence of molsidomine on the hemodynamics of patients with chronic heart failure at rest and during exercise. Larbig DT, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):688-90

Clinical and hemodynamic effects of the new dilator drug molsidomine. Malcolm AD. **Am Heart J** 1985 Mar;109(3

Pt 2):674–7

Exercise tolerance in coronary patients: randomized trial of two-week treatment with molsidomine versus placebo. Messin R. **Am Heart J** 1985 Mar;109(3 Pt 2):667–9

The activity of molsidomine in experimental models of ischemic cardiac disease. Nitz RE, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):631–6 (53 ref.)

Hemodynamic effects of molsidomine in patients with acute myocardial infarction. Reifart N, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):708–12

Effects of molsidomine on hemodynamics and blood gases in acute myocardial infarction with left heart failure. Renard M, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):720–2

Effectiveness of molsidomine in the long-term treatment of exertional angina pectoris and chronic congestive heart failure. Rudolph W, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):670–4

Active and passive changes in coronary diameter after vasodilation with SIN-1, the active metabolite of molsidomine. Schulz W, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):694–9

The new long-acting coronary artery dilator molsidomine and its metabolite SIN-1. Sobolski J, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):700–3

Prevention with molsidomine of coronary artery spasm caused by alkalosis. Weber S, et al. **Am Heart J** 1985 Mar; 109(3 Pt 2):704–7

Comparison of the effects of molsidomine, nitroglycerin and isosorbide dinitrate on experimentally induced coronary artery thrombosis in the dog. Martorana PA, et al. **Basic Res Cardiol** 1984 Sep–Oct;79(5):503–12

Penbutolol and molsidomine synergism in angina pectoris. A double blind ergometric trial. Balestrini AE, et al. **Eur J Clin Pharmacol** 1984;27(1):1–5

Haemodynamic effects of oral molsidomine in pump failure complicating myocardial infarction. Drajer S, et al. **Eur J Clin Pharmacol** 1984;27(4):419–22

Safety, tolerability and efficacy of PN 200-110, a new calcium antagonist in patients with angina and coronary heart disease. Handler CE, et al. **Eur J Clin Pharmacol** 1984;27(4):415–7

Antiparasitic agents. 6. Synthesis and anthelmintic activities of novel isothiocyanatophenyl-1,2,4-oxadiazoles. Haugwitz RD, et al. **J Med Chem** 1985 Sep;28(9):1234–41

[Therapeutic significance of oxadilene in the treatment of ulcers of arterial or venous origin] Allart JC. **Phlebologie** 1984 Jul–Sep;37(3):369–72 **(Fre)**

[Anti-ischemic effect of 8 mg molsidomin in retard form] Blasini R, et al. **Herz** 1984 Dec;9(6):346–52 (Eng. Abstr.) **(Ger)**

[Effect duration and dose-response relation of molsidomine in patients with coronary heart disease] Fach WA, et al. **Z Kardiol** 1984 Oct;73(10):613–22 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of molsidomin in ischemic cardiopathy] Di Giacomo G, et al. **Clin Ter** 1984 Oct 31;111(2):141–6 (Eng. Abstr.) **(Ita)**

[Corvaton in the ambulatory treatment of patients with angina pectoris] Bichan NA. **Klin Med (Mosk)** 1984 Oct; 62(10):39–40 (Eng. Abstr.) **(Rus)**

[Rheological properties of blood in patients with stenocardia during treatment with obsidan, corvatone and corinfar] Korabel'shchikova NI, et al. **Vrach Delo** 1985 Apr;(4):19–21 (Eng. Abstr.) **(Rus)**

[Effectiveness of using corvaton on patients with unstable stenocardia] Vakaliuk IP. **Vrach Delo** 1984 Nov;(11):18–21 (Eng. Abstr.) **(Rus)**

[Synergic action of molsidomine and atenolol in patients with exertion angina. Cycloergometric study] Gimeno JV, et al. **Med Clin (Barc)** 1984 Nov 10;83(15):624–8 (Eng. Abstr.) **(Spa)**

[Molsidomin in stable stress angina (letter)] González Juanatey JR, et al. **Med Clin (Barc)** 1985 Mar 16; 84(10):420–1 **(Spa)**

[Molsidomine: evaluation of a single dose using the exercise test] Ruano J, et al. **Rev Esp Cardiol** 1985 Mar–Apr; 38(2):93–7 (Eng. Abstr.) **(Spa)**

OXALATES

Chemiluminescence enzyme immunoassay for thyroxin with use of glucose oxidase and a bis(2,4,6-trichlorophenyl)oxalate-fluorescent dye system. Arakawa H, et al. **Clin Chem** 1985 Mar;31(3):430–4

Detection of nitro-polycyclic aromatic hydrocarbons in liquid chromatography by zinc reduction and peroxyoxalate chemiluminescence. Sigvardson KW, et al. **J Chromatogr** 1984 Dec 21;316:507–18

ADMINISTRATION & DOSAGE

Critical role of oxalate restriction in association with calcium restriction to decrease the probability of being a stone former: insufficient effect in idiopathic hypercalciuria. Bataille P, et al. **Nephron** 1985;39(4):321–4

ANALYSIS

Spectrophotometric determination of trace amounts of iron(III) in oxalates by extraction of the mixed-ligand iron-oxalate-purpurin complex. Capitan F, et al. **Analyst** 1985 Jul;110(7):819–21

Oxalate-sensing enzyme electrode. Clark LC Jr, et al. **Ann NY Acad Sci** 1984;434:512–4

Inhibitory effect of ascorbic acid in oxalate assays involving oxalate decarboxylase [letter] Rofe AM, et al. **Clin Chem** 1985 Sep;31(9):1574–5

Gas chromatographic determination of oxalic acid in foods. Ohkawa H. **J Assoc Off Anal Chem** 1985 Jan–Feb; 68(1):108–11

Determination of oxalic acid in biological matrices by liquid chromatography with amperometric detection. Kok WT, et al. **J Chromatogr** 1984 Dec 19;315:271–8

[Monohydrate and dihydrate oxalic lithiasis. Calculi, their macroscopic structure (radiographic and therapeutic impact). Calciuria and oxaluria] Thomas J, et al. **Nephrologie** 1984;5(4):181–3 (Eng. Abstr.) **(Fre)**

BLOOD

Effects of vitamin C intake on whole blood plasma, leucocyte and urine ascorbic acid and urine oxalic acid levels. Erden F, et al. **Acta Vitaminol Enzymol** 1985;7(1–2):123–30

In vitro oxalogenesis, and measurement of oxalate in serum [letter] France NC, et al. **Clin Chem** 1985 Feb;31(2):335–6

Plasma oxalate concentration and oxalate distribution volume in patients with normal and decreased renal function. Prenen JA, et al. **Eur J Clin Invest** 1985 Feb;15(1):45–9

Effect of large intake of ascorbic acid on urinary and plasma oxalic acid levels. Tsao CS, et al. **Int J Vitam Nutr Res** 1984;54(2–3):245–9

Vitamin C intoxication and hyperoxalemia in chronic hemodialysis patients. Pru C, et al. **Nephron** 1985; 39(2):112–6

[Abnormalities in the erythrocyte membrane transport of oxalate in calcium oxalate lithogenesis] Baggio B, et al. **Nephrologie** 1984;5(4):173–4 (Eng. Abstr.) **(Fre)**

[Oxalic acid metabolism in chronic renal failure] Balcke P. **Wien Klin Wochenschr [Suppl]** 1985;160:1–15 (Eng. Abstr.) **(Ger)**

[Plasma oxalate concentration in calcium oxalate stone formers] Hoshina A. **Hinyokika Kiyo** 1984 Oct; 30(10):1405–15 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Oxalate-loading tests to screen for steatorrhoea: an appraisal. Foster PN, et al. **Clin Chim Acta** 1984 Dec 29; 144(2–3):155–61

METABOLISM

The clinical chemistry of oxalate metabolism. Laker MF. **Adv Clin Chem** 1983;23:259–97 (250 ref.)

Absorption kinetics of oxalate from oxalate-rich food in man. Prenen JA, et al. **Am J Clin Nutr** 1984 Nov;40(5):1007–10

Absorption and urinary excretion of oxalates following massive small bowel resection and colon interposition in rhesus monkeys. Sidhu GS, et al. **Biochem Int** 1984 Oct; 9(4):421–7

Effect of pyridoxine deficiency on intestinal absorption of calcium and oxalate: chemical composition of brush border membranes in rats. Farooqui S, et al. **Biochem Med** 1984 Aug;32(1):34–42

Effect of estradiol on the oxalate metabolism in vitamin B6-deficient male rats. Sharma V, et al. **Biochem Med** 1984 Oct;32(2):216–24

Oxalosis in infancy. de Zegher FE, et al. **Clin Nephrol** 1984 Sep;22(3):114–20 (33 ref.)

Evidence of increased intestinal absorption of oxalate in rats induced for bladder stone. Farooqui S, et al. **Indian J Exp Biol** 1984 Oct;22(10):555–6

Hyperoxaluria and hyperoxalemia: one more concern for the nephrologist. Mitwalli A, et al. **Int J Artif Organs** 1985 Mar;8(2):71–4 (46 ref.)

Oxidation of oxalate and polyamines by rat peroxisomes. Beard ME, et al. **J Histochem Cytochem** 1985 May; 33(5):460–4

Oxalate stone disease in small bowel disorders (mechanism and prophylaxis). Das S. **J Indian Med Assoc** 1984 Oct; 82(10):381–2

Renal tubular excretory transport of oxalate in the chicken. Tremaine LM, et al. **J Pharmacol Exp Ther** 1985 Apr; 233(1):7–11

Effect of orchiectomy and ovariectomy on oxalate production, transport and excretion in rats. Seethlakshmi L, et al. **J Urol** 1984 Dec;132(6):1244–6

Normalization of urinary oxalate by taurine in glycolate-fed rats. Talwar HS, et al. **Metabolism** 1985 Feb;34(2):97–100

[Eye manifestations in oxalosis] Krásný J, et al. **Cesk Oftalmol** 1985 Jul;41(4):258–62 (Eng. Abstr.) **(Cze)**

[Drug-induced oxalic lithiasis from pyridoxilate (letter)] Wolf C, et al. **Presse Med** 1984 Dec 8;13(44):2703 **(Fre)**

[Calcium oxalate microcrystalline arthropathy in primary oxalosis] Benhamou CL, et al. **Rev Rhum Mal Osteoartic** 1985 Apr;52(4):267–70 (Eng. Abstr.) **(Fre)**

[Oxalosis--a hereditary metabolic disease as a cause of terminal renal insufficiency] Frančišković V, et al. **Acta Chir Iugosl** 1984 Mar;31(2):235–44 (Eng. Abstr.) **(Scr)**

PHARMACODYNAMICS

On the oxalate stimulation of ATP-dependent calcium accumulation by smooth muscle subcellular membranes. Kwan CY, et al. **Biochem Int** 1983 Jun;6(6):713–22

POISONING

Urolithiasis in railroad shopmen in relation to oxalic acid exposure at work. Laerum E, et al. **Scand J Work Environ Health** 1985 Apr;11(2):97–100

[Acute poisoning as a result of ingesting fluorinated anti-rust compounds] Marsepoil T, et al. **Cah Anesthesiol** 1985 Jan–Feb;33(1):65–6 **(Fre)**

TOXICITY

[Evaluation of the cumulative properties of harmful substances by the subchronic toxicity test] Shtabskiĭ BM, et al. **Gig Sanit** 1985 Mar;(3):57–60 **(Rus)**

URINE

The fate of a child with primary hyperoxaluria (oxalosis). Berger H. **Acta Paediatr Hung** 1984;25(1–2):11–22

Influence of the calcium content of the diet on the incidence of mild hyperoxaluria in idiopathic renal stone formers. Jaeger P, et al. **Am J Nephrol** 1985;5(1):40–4

Continuous-flow assay for urinary oxalate using immobilised oxalate oxidase. Kasidas GP, et al. **Ann Clin Biochem** 1985 Jul;22 (Pt 4):412–9

An improved procedure for measuring urinary oxalate using a commercial enzyme kit. Sheldon WL, et al. **Ann Clin Biochem** 1985 Jul;22 (Pt 4):428–9

Simplified method for enzymatic urine oxalate assay. Crider QE, et al. **Clin Biochem** 1984 Dec;17(6):351–5

Urinary oxalate by rate analysis compared with gas-chromatographic and centrifugal analyzer methods [letter] Chalmers AH, et al. **Clin Chem** 1984 Nov; 30(11):1891–2

Effect of diluting samples for enzymic determinations of urinary oxalate [letter] Crider QE. **Clin Chem** 1985 Jun; 31(6):1080–1

Oxalate oxidase from banana peel for determination of urinary oxalate [letter] Raghavan KG, et al. **Clin Chem** 1985 Apr;31(4):649

The effects of pH, temperature and storage on urine oxalate. Braiotta EA, et al. **Clin Chim Acta** 1985 Mar 30;147(1):31–4

Measurement of urinary oxalate in the presence of ascorbic acid. Crawford GA, et al. **Clin Chim Acta** 1985 Mar 30; 147(1):51–7

Simplified urinary oxalate determination using an enzyme electrode. Vadgama P, et al. **Clin Chim Acta** 1984 Sep 29; 142(2):193–201

Effect of herb medicines for urolithiasis on urinary oxalate excretion in rats. Ogawa Y, et al. **Hinyokika Kiyo** 1983 Oct;29(10):1269–71

Primary hyperoxaluria: an important cause of renal failure in infancy. Leumann EP. **Int J Pediatr Nephrol** 1985 Jan–Mar;6(1):13–6

L-Glyceric aciduria (primary hyperoxaluria type 2) in siblings in two unrelated families. Chalmers RA, et al. **J Inherited Metab Dis** 1984;7 Suppl 2:133–4

Successful treatment of infantile type I primary hyperoxaluria complicated by pyridoxine toxicity [letter] de Zegher F, et al. **Lancet** 1985 Aug 17;2(8451):392–3

Response to a physiologic dose of pyridoxine in type I primary hyperoxaluria. Yendt ER, et al. **N Engl J Med** 1985 Apr 11;312(15):953–7

Fractional oxalate clearance in subjects with normal and impaired renal function. Boer P, et al. **Nephron** 1985; 41(1):78–81

[Hyperoxaluria and hyperuricosuria following large doses of vitamin C] Cai SL. **Chung Hua Wai Ko Tsa Chih** 1984 May;22(5):306–8 (Eng. Abstr.) **(Chi)**

[Comparative study of urinary calcium, oxalate and uric acid in calcium oxalate lithiasis] Dumoulin G, et al. **Nephrologie** 1984;5(5):189–91 (Eng. Abstr.) **(Fre)**

[Comparative effects of oral water load of different mineral compositions on the excretion of ions and oxalic acid] Vanherweghem JL, et al. **Nephrologie** 1984;5(4):184–8 (Eng. Abstr.) **(Fre)**

[Urinary excretion of oxalate after bilio-pancreatic bypass for obesity] Friedman D, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):721–6 (Eng. Abstr.) **(Ita)**

[The determination of oxalate in the urine by a new enzymatic method using oxalate oxidase] Nonomura M, et al. **Hinyokika Kiyo** 1985 Mar;31(3):397–405 (Eng. Abstr.) **(Jpn)**

[Dietary management of renal stone disease--with special reference to oxalate] Iguchi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Mar;76(3):293–302 (Eng. Abstr.) **(Jpn)**

[Urinary oxalate excretion in the patients with upper urinary tract calculi] Ueda H. **Nippon Hinyokika Gakkai Zasshi** 1985 Mar;76(3):338–47 (Eng. Abstr.) **(Jpn)**

[The determination of urinary oxalate by gas-chromatography] Yachiku S, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Apr;76(4):502–7 (Eng. Abstr.) **(Jpn)**

[Urolithiasis, with special reference to metabolic disorders of uric acid and oxalate] **Nippon Jinzo Gakkai Shi** 1984 Jul;26(7):629–40 **(Jpn)**

[Diurnal urinary excretion of oxalic acid in healthy children of different age groups] Banaś D, et al. **Probl Med Wieku Rozwoj** 1984;13:91–4 (Eng. Abstr.) **(Pol)**

OXALOACETATES

Evidence from 13C NMR for polarization of the carbonyl of oxaloacetate in the active site of citrate synthase. Kurz LC, et al. **Biochemistry** 1985 Jan 15;24(2):452–7

CHEMICAL SYNTHESIS

Synthesis, storage, and stability of [4–14C]oxaloacetic acid. Hatch MD, et al. **Anal Biochem** 1985 Mar;145(2):393–7

METABOLISM

Regulation of mammalian aspartate–4–decarboxylase: its possible role in oxaloacetate and energy metabolism. Rathod PK, et al. **Arch Biochem Biophys** 1985 May 1; 238(2):447–51

Oxaloacetate permeation in rat kidney mitochondria: pyruvate/oxaloacetate and malate/oxaloacetate translocators. Passarella S, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):1–10

Labelling of liver glutamate by [1–14C]– and [2–14C]–pyruvate as a measure of oxaloacetate–fumarate disequilibrium in the mitochondria. Heath DF. **Biochem J** 1985 May 1;227(3):866–7

OXAMIC ACID see under **AMINO ACIDS**

OXAMNIQUINE see under **NITROQUINOLINES**

OXANDROLONE

ADMINISTRATION & DOSAGE

Oxandrolone in low dose for constitutional delay of growth and puberty in boys [letter] Preece MA. **Arch Dis Child** 1985 Aug;60(8):783–5

Oxandrolone in low dose for constitutional delay of growth and puberty in boys. Stanhope R, et al. **Arch Dis Child** 1985 Apr;60(4):379–81

THERAPEUTIC USE

Oxandrolone in girls with Turner's syndrome. A pair–matched controlled study up to final height. Joss E, et al. **Acta Paediatr Scand** 1984 Sep;73(5):674–9

Short–term and long–term survival in patients with alcoholic hepatitis treated with oxandrolone and prednisolone. Mendenhall CL, et al. **N Engl J Med** 1984 Dec 6; 311(23):1464–70

OXAPROSTYNOIC ACIDS see under **FATTY ACIDS, UNSATURATED**

OXATHIINS see under **HETEROCYCLIC COMPOUNDS**

OXAZEPAM

ADMINISTRATION & DOSAGE

Self–administration of clonidine, oxazepam, and hydromorphone by patients undergoing methadone detoxification. Preston KL, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):219–27

Self–administration of clonidine and oxazepam by methadone detoxification patients. Preston KL, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:192–8

BLOOD

Disposition of oxazepam in patients on maintenance hemodialysis. Ochs HR, et al. **Klin Wochenschr** 1984 Aug 16;62(16):765–7

METABOLISM

Protein binding of oxazepam and its glucuronide conjugates to human albumin. Boudinot FD, et al. **Biochem Pharmacol** 1985 Jun 15;34(12):2115–21

PHARMACODYNAMICS

Subacute benzodiazepine treatment: observations on behavioural tolerance and withdrawal. Gonzalez JP, et al. **Alcohol Alcohol** 1984;19(4):325–32

Effects of chlordiazepoxide and oxazepam administration on verbal hostility. Kochansky GE, et al. **Arch Gen Psychiatry** 1977 Dec;34(12):1457–9

In vitro interaction of diazepam and oxazepam with pancuronium and suxamethonium. Driessen JJ, et al. **Br J Anaesth** 1984 Oct;56(10):1131–8

Inhibition of diazepam metabolism in microsomal– and perfused liver preparations of the rat by desmethyldiazepam, N–methyloxazepam and oxazepam. Savenije–Chapel EM, et al. **Eur J Drug Metab Pharmacokinet** 1985 Jan–Mar; 10(1):15–20

The contribution of the active metabolites to the tolerance developing to diazepam in man: relationship to bioassayed serum benzodiazepine levels. Aranko K, et al. **Med Biol** 1984;62(5):277–84

Influences of benzodiazepines on hypothalamically elicited emotional responses in the rabbit. Koreli A, et al. **Physiol Behav** 1984 Aug;33(2):339–41

Relative abuse liability of diazepam and oxazepam: behavioral and subjective dose effects. Griffiths RR, et al. **Psychopharmacology (Berlin)** 1984;84(2):147–54

THERAPEUTIC USE

Relief of chronic intractable hallucinosis in residual schizophrenia with oxazepam [letter] Lewis R. **Am J Psychiatry** 1985 Jun;142(6):785

Double–blind crossover study of the efficacy and acceptability of oxazepam Expidet tablets compared to placebo in patients undergoing gynaecological surgery. Brampton WJ, et al. **J Int Med Res** 1985;13(3):169–73

Self–reports of anxiety level and EEG changes after a single dose of benzodiazepines. Double–blind comparison of two forms of oxazepam. Ansseau M, et al. **Neuropsychobiology** 1984;12(4):255–9

OXAZEPINES see under **AZEPINES**

OXAZIMEDRINE see **PHENMETRAZINE**

OXAZINES

Observations on the orcein fluorescence. Molero ML, et al. **Acta Histochem (Jena)** 1985;76(1):77–9

Nile red: a selective fluorescent stain for intracellular lipid droplets. Greenspan P, et al. **J Cell Biol** 1985 Mar; 100(3):965–73

Application of Nile red, a fluorescent hydrophobic probe, for the detection of neutral lipid deposits in tissue sections: comparison with oil red O. Fowler SD, et al. **J Histochem Cytochem** 1985 Aug;33(8):833–6

Spectrofluorometric studies of the lipid probe, nile red. Greenspan P, et al. **J Lipid Res** 1985 Jul;26(7):781–9

Localization of agropine–synthesizing functions in the TR region of the root–inducing plasmid of Agrobacterium rhizogenes 1855. De Paolis A, et al. **Plasmid** 1985 Jan; 13(1):1–7

BLOOD

High performance liquid chromatographic determination of a new biologically active 1,2,4–oxadiazine derivative in rat plasma. Mezei J, et al. **Pharmazie** 1984 Jun;39(6):399–400

CHEMICAL SYNTHESIS

Mechanism of inactivation of chymotrypsin by 5–butyl–3H–1,3–oxazine–2,6–dione. Weidmann B, et al. **Biochemistry** 1984 May 22;23(11):2373–6

Chemical modification of ansamitocins. II. Synthesis of 3–epimaytansionoids via 3–maytansinones. Akimoto H, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2565–70

Synthesis and antibacterial activities of substituted 7–oxo–2,3–dihydro–7H–pyrido[1,2,3–de][1,4]benzoxazine–ic acids. Hayakawa I, et al. **Chem Pharm Bull (Tokyo)** 1984 Dec;32(12):4907–13

Chemical modification of ansamitocins. III. Synthesis and biological effects of 3–acyl esters of maytansinol. Kawai A, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3341–51

Spiropiperidines. I. Synthesis of 1'–substituted spiro[4H–3,1–benzoxazine–4,4'–piperidin]–2(1H)–one derivatives and evaluation of their antihypertensive activity. Takai H, et al. **Chem Pharm Bull (Tokyo)** 1985 Mar;33(3):1129–39

Synthesis of 4–substituted 2H–naphth[1,2–b]–1,4–oxazines, a new class of dopamine agonists. Jones JH, et al. **J Med Chem** 1984 Dec;27(12):1607–13

[1,4]Benzoxazine–2,3–diones as antiallergic agents. Loev B, et al. **J Med Chem** 1985 Jan;28(1):24–7

[Synthesis of potential biologically active benzotheno–oxazinones] Oremek G, et al. **Pharmazie** 1984 Aug;39(8):574–5 (Ger)

[Synthesis and pharmacological studies of new 1,4,7–oxadiazonine and 1,5,6–oxadiazonine derivatives] Mikiciuk–Olasik E, et al. **Acta Pol Pharm** 1984;41(1):49–54 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Liver orcein stain and viral DNA in duck hepatitis B virus infection in Chinese ducks and experimentally infected Japanese ducklings. Mori J, et al. **Hepatology** 1984 Nov–Dec;4(6):1124–8

Orcein––a stain for mucins in colorectal carcinomas. Dev G, et al. **Indian J Cancer** 1984 May–Jun;21(2):68–70

[Two components of the fluorescence signal of Nile blue A from membrane systems of isolated muscle fibers] Habán P, et al. **Bratisl Lek Listy** 1985 Aug;84(2):129–36 (Eng. Abstr.) **(Slo)**

METABOLISM

Dealkylation of pentoxyresorufin: a rapid and sensitive assay for measuring induction of cytochrome(s) P–450 by phenobarbital and other xenobiotics in the rat. Lubet RA, et al. **Arch Biochem Biophys** 1985 Apr;238(1):43–8

Stereoselective and regioselective hydroxylation of warfarin and selective O–dealkylation of phenoxazone ethers in human placenta. Rettie AE, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1013–21

The pharmacokinetics and tissue penetration of ofloxacin. Lockley MR, et al. **J Antimicrob Chemother** 1984 Dec; 14(6):647–52

Pharmacokinetic study of a new 1,2,4–oxadiazine derivative in rat. Mezei J, et al. **Pol J Pharmacol Pharm** 1984 Jul–Aug; 36(4):397–400

[Prostatic tissue and fluid levels of DL–8280] Kumon H, et al. **Hinyokika Kiyo** 1984 Sep;30(9):1297–305 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

In vitro antituberculosis activity of a new antibacterial substance ofloxacin (DL8280). Tsukamura M. **Am Rev Respir Dis** 1985 Mar;131(3):348–51

Susceptibility of Legionella pneumophila to ofloxacin in vitro and in experimental Legionella pneumonia in guinea pigs. Saito A, et al. **Antimicrob Agents Chemother** 1985 Jul; 28(1):15–20

Etifoxine: evaluation of its anticonvulsant profile in mice in comparison with sodium valproate, phenytoin and clobazam. Kruse HJ, et al. **Arzneimittelforsch** 1985; 35(1):133–5

Maytansine inhibits nucleotide binding at the exchangeable site of tubulin. Huang AB, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1239–46

Ethoxy–, pentoxy– and benzyloxyphenoxazones and homologues: a series of substrates to distinguish between different induced cytochromes P–450. Burke MD, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3337–45

Effects of Tau and MAP2 on the interaction of maytansine with tubulin: inhibitory effect of maytansine on vinblastine–induced aggregation of tubulin. Fellous A, et al. **Cancer Res** 1985 Oct;45(10):5004–10

In–vitro activity of enoxacin, ofloxacin, norfloxacin and nalidixic acid. Bauernfeind A, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:33–8

Antichlamydial activity of quinolone carboxylic acids [letter] Heppleston C, et al. **J Antimicrob Chemother** 1985 May; 15(5):645–7

The in–vitro activities of enoxacin and ofloxacin compared with that of ciprofloxacin. King A, et al. **J Antimicrob Chemother** 1985 May;15(5):551–8

Proposed disk diffusion susceptibility criteria for ofloxacin. Fuchs PC, et al. **J Clin Microbiol** 1985 Aug;22(2):310–1

Induction of neurofibrillary tangles in cultured mouse neurons by maytanprine. Sato Y, et al. **J Neurol Sci** 1985 May;68(2–3):191–203

The hydroxy–hexanydronaphthoxazines: a new group of very potent and selective dopamine agonists. Horn AS, et al. **J Pharm Pharmacol** 1984 Sep;36(9):639–40

Selectivity of (+)–4–propyl–9–hydroxynaphthoxazine [(+)–PHNO] for dopamine receptors in vitro and in vivo. Martin GE, et al. **J Pharmacol Exp Ther** 1985 May; 233(2):395–401

Differentiation of Mycobacterium nonchromogenicum from Mycobacterium terrae and Mycobacterium triviale by tests for susceptibility to ofloxacin (DL 8280) and by the developing pattern of petroleum–ether soluble sulfolipids on TLC. Tsukamura M, et al. **Microbiol Immunol** 1985; 29(4):365–70

Dominant lethal study in male mice treated with ofloxacin, a new antimicrobial drug. Shimada H, et al. **Mutat Res** 1985 Sep;144(1):51–5

Comparative in vitro activity of three new quinolone antibiotics against recent clinical isolates. Forsgren A. **Scand J Infect Dis** 1985;17(1):91–4

[Effect of maytansine on the cell cycle of Ehrlich ascites carcinoma cells in mice] Fan YJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):63–7 (Eng. Abstr.) **(Chi)**

[Effect ofloxacin on Haemophilus influenza, Streptococcus pneumoniae and Neisseria meningitidis. Comparison with similar molecules] Dabernat H, et al. **Pathol Biol (Paris)** 1985 May;33(5):385–8 (Eng. Abstr.) **(Fre)**

[Sensitivity of obligate anaerobes to ofloxacin, pefloxacin, enoxacin and norfloxacin] Dubreuil L, et al. **Pathol Biol (Paris)** 1985 May;33(5):421–5 (Eng. Abstr.) **(Fre)**

[The antibacterial activity in vitro of ofloxacin in comparison with other orally administered antimicrobial substances on ampicillin–resistant clinical isolates] Seibert G, et al. **Arzneimittelforsch** 1984;34(11):1552–4 (Eng. Abstr.) **(Ger)**

[Resistance pattern of Mycobacterium tuberculosis strain H37Rv to a new antibiotic DL 8280] Tsukamura M. **Kekkaku** 1984 May;59(5):337–9 (Eng. Abstr.) **(Jpn)**

[In vitro antituberculous activity of DL8280 on Mycobacterium tuberculosis. The mode of bacteriostatic activity, bactericidal activity, cross–resistance and combined effect with other antituberculous agent] Tsukamura M, et al. **Kekkaku** 1984 Jul;59(7):429–34 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Therapeutic effect of a new antibacterial substance ofloxacin (DL8280) on pulmonary tuberculosis. Tsukamura M, et al. **Am Rev Respir Dis** 1985 Mar;131(3):352–6

Phase II trials of maytansine, low–dose chlorozotocin, and high–dose chlorozotocin as single agents against advanced measurable adenocarcinoma of the pancreas. Gastrointestinal Tumor Study Group. **Cancer Treat Rep** 1985 Apr;69(4):417–20

[Comparative studies of DL–8280 and pipemidic acid in complicated urinary tract infections by double–blind method] Kishi H, et al. **Hinyokika Kiyo** 1984 Sep; 30(9):1307–55 (Eng. Abstr.) **(Jpn)**

[Laboratory and clinical study of ofloxacin in the treatment of bacterial prostatitis] Suzuki K, et al. **Hinyokika Kiyo** 1984 Oct;30(10):1505–18 (Eng. Abstr.) **(Jpn)**

[Comparative clinical study of ofloxacin and cefaclor in bacterial bronchitis] Fujimori I, et al. **Kansenshogaku Zasshi** 1984 Sep;58(9):832–61 (Eng. Abstr.) **(Jpn)**

[Comparative clinical study of DL–8280 and cefaclor for suppurative skin and soft tissue infections by a double–blind method] Fujita K, et al. **Kansenshogaku Zasshi** 1984 Sep; 58(9):793–819 (Eng. Abstr.) **(Jpn)**

[The investigation of prostatic fluid and tissue levels of DL–8280 and clinical study of DL–8280 in acute prostatitis] Hara S, et al. **Kansenshogaku Zasshi** 1984 Sep;58(9):921–31 (Eng. Abstr.) **(Jpn)**

[Comparison of DL–8280 and amoxicillin in the treatment of respiratory tract infections] Kobayashi H, et al. **Kansenshogaku Zasshi** 1984 Jun;58(6):525–55 (Eng. Abstr.) **(Jpn)**

[Therapeutic effect of ofloxacin in a patient with typhoid fever] Kurimura O, et al. **Kansenshogaku Zasshi** 1984 Sep; 58(9):932–5 (Eng. Abstr.) **(Jpn)**

[Comparison of clinical efficacy of ofloxacin COFLX: DL–8280) and pipemidic acid (PPA) in acute infectious diarrhea by a double–blind method. The Japan Research Committee of Ofloxacin, Research Group for Acute Infectious Diarrhea] Saito M, et al. **Kansenshogaku Zasshi** 1984 Oct;58(10):965–81 (Eng. Abstr.) **(Jpn)**

[Clinical studies on DL–8280 in male gonococcal urethritis] Yamamoto Y, et al. **Kansenshogaku Zasshi** 1984 Aug; 58(8):784–9 (Eng. Abstr.) **(Jpn)**

[Trial of clinical administration of a new antibacterial substance DL 8280 in pulmonary tuberculosis] Tsukamura M, et al. **Kekkaku** 1984 Sep;59(9):477–81 (Eng. Abstr.) **(Jpn)**

TOXICITY

Effects of vincristine, maytansine, and cis–platinum on behavioral and electrophysiological indices of neurotoxicity in the rat. Rebert CS, et al. **J Appl Toxicol** 1984 Dec;4(6):330–8

OXAZOCILLINE see OXACILLIN

OXAZOCINES

CHEMICAL SYNTHESIS

Substituted 5H–dibenz[b,g]–1,4–oxazocines and related amino acids with antiinflammatory activity. Stillings MR, et al. **J Med Chem** 1985 Feb;28(2):225–33

PHARMACODYNAMICS

[Choice of a central analgesic for anesthesia with spontaneous respiration] Neidhardt A, et al. **Cah Anesthesiol** 1984 Dec; 32(8):637–44 (Eng. Abstr.) **(Fre)**

[New derivatives of 7– and 8–member perhydrocyclic compounds. II. Studies on the effect on the central nervous system and circulatory system of new derivatives of perhydro–1,4–oxazepine, perhydro–1,4–diazepine, perhydro–1,4,5–oxadiazepine and perhydro–1,5–oxazocine containing the 2–guanidinoethyl group] Szadowska A, et al. **Acta Pol Pharm** 1985;42(1):55–60 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

The need for analgesic cover after ENT surgery––comparison of nefopam and papaveretum. Hannington–Kiff JG. **Anaesthesia** 1985 Jan;40(1):76–8

Nefopam in postoperative pain. Calmi D, et al. **Arzneimittelforschung** 1985;35(6):981–3

[Clinical evaluation of the analgesic efficacy of nefopam in dental outpatient practice] Borio PS, et al. **Minerva Stomatol** 1985 Jan–Feb;34(1):109–16 (Eng. Abstr.) **(Ita)**

[Nefopam in the treatment of dental pain] Debernardi G, et al. **Minerva Stomatol** 1985 Mar–Apr;34(2):317–22 (Eng. Abstr.) **(Ita)**

OXAZOLES

Fluorographic detection of [3H]thymidine–labeled deoxyribonucleic acid using agarose gels infused with 2,5–diphenyloxazole prior to electrophoresis. Ludlow JW, et al. **Anal Biochem** 1985 Feb 15;145(1):212–5

Preliminary crystallographic study of the Fab fragments of two monoclonal anti–2–phenyloxazolone antibodies. Mariuzza RA, et al. **J Biol Chem** 1985 Aug 25; 260(18):10268–70

[Studies on the synthesis of antiulcer agents. III. Synthesis and antiulcer activity of 2,4–oxazolidinedione derivatives] Kobayashi M, et al. **Yakugaku Zasshi** 1984 Jun; 104(6):680–90 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Electroencephalographic activity after kainic and ibotenic acid injections in the amygdaloid complex of rats. Jellestad FK, et al. **Brain Res** 1985 Aug 12;340(2):229–34

Subsensitivity to muscimol–induced catalepsy after long–term administration of phenytoin in rats. Lalonde R, et al. **Psychopharmacology (Berlin)** 1985;86(1–2):77–80

ADVERSE EFFECTS

Aminorex and pulmonary hypertension. A review. Gurtner HP. **Cor Vasa** 1985;27(2–3):160–71

Long–term follow–up of pulmonary hypertension in patients with and without anorectic drug intake. Loogen F, et al. **Cor Vasa** 1985;27(2–3):111–24

Phase I evaluation of AT–125 single dose every three weeks. Taylor S, et al. **Invest New Drugs** 1984;2(3):311–4

[Chronic pulmonary hypertension of vascular etiology, plexogenic pulmonary arteriopathy and the appetite depressant Aminorex: lessons from an epidemic] Gurtner HP. **Schweiz Med Wochenschr** 1985 Jun 15;115(24):818–27 **(Ger)**

[Chronic pulmonary hypertension of vascular origin, plexogenic pulmonary arteriopathy and the appetite depressant aminorex: addenda to an epidemic] Gurtner HP. **Schweiz Med Wochenschr** 1985 Jun 8;115(23):782–9contd (Eng. Abstr.) **(Ger)**

ANALYSIS

Determination of acrolein in air as an oxazolidine derivative by gas chromatography. Kennedy ER, et al. **Anal Chem** 1984 Oct;56(12):2120–3

Absence of mycobactin in Mycobacterium leprae; probably a microbe dependent microorganism implications. Kato L. **Ind J Lepr** 1985 Jan–Mar;57(1):58–70

Formation of a complex between the analgesic, 6–benzoyl–benzoxazolidinone (CERM 10194), and beta–cyclodextrin. Si–Nang L, et al. **Pharm Acta Helv** 1985; 60(4):112–6

Polymorphism of the analgesic 6–benzoylbenzoxazolidinone (CERM 10194). Trottier D, et al. **Pharm Acta Helv** 1984; 59(11):293–7

BLOOD

Bistrifluoromethylaryl derivatives for drug analysis by gas chromatography electron capture negative ion chemical ionization mass spectrometry. Application to the measurement of (N–dicyclopropylmethyl)amino–2–oxazoline in plasma. Murray S, et al. **Biomed Mass Spectrom** 1985 May; 12(5):230–7

Simultaneous determination of dimethadione and trimethadione by infrared–spectrometry: application for mean intracellular pH measurement. Zweens J, et al. **J Clin Chem Clin Biochem** 1984 Oct;22(10):641–5

CHEMICAL SYNTHESIS

Synthesis and antibacterial activity of 3–(2–arylvinylen)–2–isoxazolines. Vittorio F, et al. **Farmaco [Sci]** 1985 May;40(5):359–68

A new, simple, high–yield synthesis of 'no–carrier–added' 11C–labelled DMO. Diksic M. **Int J Appl Radiat Isot** 1984 Nov;35(11):1035–7

Synthesis and structure–activity studies on excitatory amino acids structurally related to ibotenic acid. Krogsgaard–Larsen P, et al. **J Med Chem** 1985 May; 28(5):673–9

Ibotenic acid analogues. Synthesis, molecular flexibility, and in vitro activity of agonists and antagonists at central glutamic acid receptors. Lauridsen J, et al. **J Med Chem** 1985 May;28(5):668–72

Synthesis and neuroleptic activity of 3–(1–substituted–4–piperidinyl)–1,2–benzisoxazoles. Strupczewski JT, et al. **J Med Chem** 1985 Jun;28(6):761–9

Newer dopamine quinazolones as anti–parkinsonian agents. Kumar P, et al. **Pharmazie** 1985 Apr;40(4):267–8

[A new simplified method for the synthesis of muscimol (5–aminomethyl–3–hydroxyisoxazole)] Chen SQ, et al. **Yao Hsueh Hsueh Pao** 1983 Nov;18(11):865–7 (Eng. Abstr.) **(Chi)**

[Alkyl–6–benzoxazolinones. A chemical and pharmacodynamic study] Caignard DH, et al. **Farmaco [Sci]** 1984 Oct;39(10):830–6 (Eng. Abstr.) **(Fre)**

[Synthesis and biological properties of isoxazolo[5,4–d]pyrimidine derivatives] Machoń Z, et al. **Acta Pol Pharm** 1984;41(1):37–42 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

In vivo measurement of brain tumor pH using [11C]DMO and positron emission tomography. Rottenberg DA, et al. **Ann Neurol** 1985 Jan;17(1):70–9

The use of carotenoids and oxonol VI as probes for membrane potential in proteoliposomes. van Walraven HS, et al. **FEBS Lett** 1985 May 6;184(1):96–9

Oxonol dyes as monitors of membrane potential: the effect of viruses and toxins on the plasma membrane potential of animal cells in monolayer culture and in suspension. Bashford CL, et al. **J Cell Physiol** 1985 Jun;123(3):326–36

In vivo measurement of regional brain and tumor pH using [14C]dimethyloxazolidinedione and quantitative autoradiography. Arnold JB, et al. **J Cereb Blood Flow Metab** 1985 Sep;5(3):369–75

Deficits in visual motion processing following ibotenic acid lesions of the middle temporal visual area of the macaque monkey. Newsome WT, et al. **J Neurosci** 1985 Mar; 5(3):825–40

IMMUNOLOGY

Fine–specificity of the immune response to oxazolones. IV. Furyloxazolone–specific cytolytic T lymphocytes (unlike antibodies) are not heteroclitic. Matoso–Ferreira A. **Immunology** 1984 Nov;53(3):451–6

The VK gene expressed by BALB/c ABPC48 cross–reactive idiotypes induced by anti–idiotypic immunization is identical to that of BALB/c anti–oxazolone and A/J anti–arsonate antibodies. Legrain P, et al. **J Immunol** 1985 May;134(5):3468–73

Somatic mutation and the maturation of immune response to 2–phenyl oxazolone. Griffiths GM, et al. **Nature** 1984 Nov 15–21;312(5991):271–5

[Experimental paratuberculosis: biological diagnosis in calves inoculated with strains of mycobactin–dependent mycobacteria] Thorel MF, et al. **Ann Rech Vet** 1985; 16(1):7–16 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Studies on new antiplatelet agents, WS–30581 A and B. Umehara K, et al. **J Antibiot (Tokyo)** 1984 Oct; 37(10):1153–60

Reversed–phase high–performance liquid chromatographic separation of 14C–labelled toloxatone and its metabolites. Vajta S, et al. **J Chromatogr** 1984 Nov 28;311(2):329–37

[A method of quality control of 3–phenyl–5–methylisoxazole–4–carbonic acid chloranhydride using high performance liquid chromatography] Vtorov IB, et al. **Antibiot Med Biotekhnol** 1985 Mar;30(3):201–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Pharmacokinetics of 3–[Bis(2–hydroxyethyl)amino]acetophenone–(4,5–diphenyloxazol–2–yl)hydrazone (ZIMET 98/69) in mice. Amlacher R, et al. **Acta Virol (Praha)** 1984 Sep;28(5):445

Intracellular pH transients in rainbow trout tissues measured by dimethadione distribution. Milligan CL, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):R668–73

Review of the occurrence of mycobactin dependence among mycobacteria species. Thorel MF. **Ann Rech Vet** 1984; 15(3):405–9 (26 ref.)

Distribution of [3H]AMPA binding sites in rat brain as determined by quantitative autoradiography. Monaghan DT, et al. **Brain Res** 1984 Dec 17;324(1):160–4

Characteristics and distribution of muscimol binding sites in cat visual cortex. Needler MC, et al. **Brain Res** 1984 Aug 13;308(2):347–53

Quantitative autoradiography of binding sites for [3H]AMPA, a structural analogue of glutamic acid. Rainbow TC, et al. **Brain Res** 1984 Aug 20;309(1):173–7

Ontogenesis of muscimol binding sites in cat visual cortex. Shaw C, et al. **Brain Res Bull** 1984 Aug;13(2):331–4

Pharmacokinetic and biochemical studies on acivicin in phase I clinical trials. McGovren JP, et al. **Cancer Res** 1985 Sep; 45(9):4460–3

Autoradiographic studies of [3H]–glycine, [3H]–GABA, and [3H]–muscimol uptake in the mudpuppy retina. Pourch RG, et al. **Exp Eye Res** 1984 Jul;39(1):69–81

Dichroic behavior of the absorbance signals from dyes NK2367 and WW375 in skeletal muscle fibers. Heiny JA, et al. **J Gen Physiol** 1984 Nov;84(5):805–37

Photoaffinity labeling of the GABAA receptor with [3H]muscimol. Cavalla D, et al. **J Neurochem** 1985 Mar; 44(3):916–21

Excitatory amino acids: studies on the biochemical and chemical stability of ibotenic acid and related compounds. Nielsen EO, et al. **J Neurochem** 1985 Sep;45(3):725–31

Dose–independent pharmacokinetics of trimethadione and its metabolite in rats. Tanaka E, et al. **J Pharm Sci** 1985 Mar; 74(3):340–1

Single class of muscimol binding sites in the solubilized gamma–aminobutyrate–benzodiazepine receptor complex. Korneyev AYa, et al. **Neuroscience** 1984 Dec;13(4):1347–52

Pharmacokinetics of 3–[bis(2–hydroxyethyl)amino]acetophenone–(4,5–diphenyl hydrazone (ZIMET 98/69) after oral administration to mice. Amlacher R, et al. **Pharmazie** 1985 May;40(5):338–40

In vitro effects of melatonin on [3H]muscimol binding in rat brain. Coloma FM, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):669–72

Effects of cimetidine and ranitidine on trimethadione metabolism in the rat. Tanaka E, et al. **Res Commun Chem Pathol Pharmacol** 1985 Mar;47(3):461–4

The effects of short–term administration of ibuprofen on trimethadione metabolism and antipyrine metabolite formation in the rat. Tanaka E, et al. **Res Commun Chem Pathol Pharmacol** 1985 May; 48(2):317–20

Nonlinear pharmacokinetics of CI–912 in adult epileptic patients. Wagner JG, et al. **Ther Drug Monit** 1984; 6(3):277–83

[Increased 3H–muscimol binding in post–mortem brains of chronic schizophrenics] Hanada S, et al. **Seishin Shinkeigaku Zasshi** 1984;86(3):225–9 **(Jpn)**

[Tetrodotoxin competition with muscimol for the gamma–aminobutyric acid receptor] Kuznetsov VI, et al. **Farmakol Toksikol** 1985 Mar–Apr;48(2):38–40 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inducing anesthesia with a GABA analog, THIP. Cheng SC, et al. **Anesthesiology** 1985 Aug;63(2):147-51

In vitro activity of WIN 51711, a new broad-spectrum antipicornavirus drug. Otto MJ, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):883-6

Bactericidal properties of a new water disinfectant. Williams DE, et al. **Appl Environ Microbiol** 1985 Mar;49(3):637-43

Inactivation by acivicin of carbamoyl-phosphate synthetase II of human colon carcinoma. Sebolt JS, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):97-100

GABAergic agents in the medial septal nucleus affect hippocampal theta rhythm and acetylcholine utilization. Allen CN, et al. **Brain Res** 1984 Nov 26;322(2):261-7

Deficits in manipulative behaviors induced by local injections of muscimol in the first somatosensory cortex of the conscious monkey. Hikosaka O, et al. **Brain Res** 1985 Jan 28;325(1-2):375-80

Comparison of electrolytic and ibotenic acid lesions in the lateral hypothalamus. Markowska A, et al. **Brain Res** 1985 Mar 4;328(2):313-23

Hippocampal-dentate theta disturbance after selective CA1 pyramidal cell damage in the rat. Monmaur P, et al. **Brain Res** 1985 Mar 4;328(2):301-11

The effect of mouse spinal cord transection on the antinociceptive response to the gamma-aminobutyric acid agonists THIP (4,5,6,7-tetrahydroisoxazolo[5,4-c]pyridine-3-ol) and baclofen. Zorn SH, et al. **Brain Res** 1985 Jul 15;338(2):380-3

Characterization of L1210 cell growth inhibition by the bacterial iron chelators parabactin and compound II. Cavanaugh PF Jr, et al. **Cancer Res** 1985 Oct;45(10):4754-9

Histological study of ibotenic acid-induced modifications of rat retina and their attenuation by diazepam. Perez-Rico C, et al. **Cell Tissue Res** 1984;238(1):81-5

Stimulation of insulin secretion from isolated rat islets by SaRI 59-801. Hanson RL, et al. **Diabetes** 1985 Jun; 34(6):548-52

Stimulation of insulin secretion from isolated rat islets by SaRI 59-801. Relation to cAMP concentration and Ca2+ uptake. Hanson RL, et al. **Diabetes** 1985 Jul;34(7):691-5

In vivo effect of amiodarone, thiocyanate, perchlorate and goitrin on thyroxine deiodination in rat liver. Langer P, et al. **Endocrinol Exp (Bratisl)** 1984 Sep;18(3):177-82

Preliminary clinical pharmacological studies of S3341, a new hypotensive agent, and comparison with clonidine in normal males. Weerasuriya K, et al. **Eur J Clin Pharmacol** 1984;27(3):281-6

Effects of intrathecally administered THIP, baclofen and muscimol on nociceptive threshold. Hammond DL, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):121-5

GABA agonist induced analgesia elicited from the lateral preoptic area in the rat. Lim CR, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):91-4

Rigidity and catalepsy after injections of muscimol into the ventromedial thalamic nucleus: an electromyographic study in the rat. Klockgether T, et al. **Exp Brain Res** 1985; 58(3):559-69

Central action of gamma-aminobutyric acid ligands to alter basal water and electrolyte absorption in the rat ileum. Fogel R, et al. **Gastroenterology** 1985 Feb;88(2):523-30

Synergistic anticonvulsant effects of a GABA agonist and glycine. Seiler N, et al. **Gen Pharmacol** 1984;15(4):367-9

In vitro investigation on the antiaggregating activity of ditazole. Prisco D, et al. **Int J Clin Pharmacol Res** 1984; 4(5):341-7

Effect of inhibition of gamma-glutamyltranspeptidase by AT-125 (acivicin) on glutathione and cysteine levels in rat brain and plasma. Hill KE, et al. **Invest New Drugs** 1985;3(1):31-4

Mechanism and stereospecificity of the parabactin-mediated iron-transport system in Paracoccus denitrificans. Bergeron RJ, et al. **J Biol Chem** 1985 Jul 5;260(13):7936-44

Use of acivicin in the determination of rate constants for turnover of rat renal gamma-glutamyltranspeptidase. Capraro MA, et al. **J Biol Chem** 1985 Mar 25; 260(6):3408-12

Pharmacology of ephedroxanes. Hikino H, et al. **J Ethnopharmacol** 1985 May;13(2):175-91

Isoxazoles with antipicornavirus activity. Diana GD, et al. **J Med Chem** 1985 Jun;28(6):748-52

Synthesis and antiallergic activities of 1,3-oxazolo[4,5-h]quinolines. Musser JH, et al. **J Med Chem** 1985 Sep;28(9):1255-9

Synthesis and pharmacological evaluation of cis-2,3,3a,4,5,6,7,7a-octahydro-3-oxoisoxazolo[5,4-c]pyrid a structural analogue of the GABA agonist THIP. Nordmann R, et al. **J Med Chem** 1985 Aug;28(8):1109-11

Modification of saccadic eye movements by GABA-related substances. I. Effect of muscimol and bicuculline in monkey superior colliculus. Hikosaka O, et al. **J Neurophysiol** 1985 Jan;53(1):266-91

Modification of saccadic eye movements by GABA-related substances. II. Effects of muscimol in monkey substantia nigra pars reticulata. Hikosaka O, et al. **J Neurophysiol** 1985 Jan;53(1):292-308

Inhibition of semicarbazide-sensitive amine oxidase by monoamine oxidase B inhibitors from the oxazolidinone series. Dostert P, et al. **J Pharm Pharmacol** 1984 Nov; 36(11):782-5

Benzodiazepines enhance the muscimol-dependent activation of phospholipase A2 in glioma C6 cells. Majewska MD, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):650-5

Effect of L-(alpha S,5S)-alpha-amino-3-chloro-4,5-dihydro-5-isoxazoleacet acid on urinary excretion of methylmercury in the mouse. Mulder KM, et al. **J Pharmacol Exp Ther** 1985 Jul; 234(1):156-60

Influence of selective, reversible inhibitors of monoamine oxidase on the prolonged depletion of striatal dopamine by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in mice. Fuller RW, et al. **Life Sci** 1985 Sep 23;37(12):1089-96

Molecular events during maturation of the immune response to oxazolone. Berek C, et al. **Nature** 1985 Aug 1-7; 316(6027):412-8

GABA agonists inhibit the vasopressin-dependent pressor effects of central angiotensin II. Brennan TJ, et al. **Neuroendocrinology** 1984 Nov;39(5):429-36

Modulation of the responses to the GABA-mimetics, THIP and piperidine-4-sulphonic acid, by agents which interact with benzodiazepine receptors. An electrophysiological study on cultured mouse neurones. Jensen MS, et al. **Neuropharmacology** 1984 Dec;23(12A):1441-50

Blockade of bicuculline-induced pressor and tachycardic responses by forebrain administration of muscimol. Souza JD, et al. **Neuropharmacology** 1984 Nov;23(11):1343-6

A comparison of the antinociceptive responses to the GABA-receptor agonists THIP and baclofen. Vaught JL, et al. **Neuropharmacology** 1985 Mar;24(3):211-6

The excitation of frog motoneurones in vitro by the glutamate analogue, DI-alpha-amino-3-hydroxy-5-methyl-4-isoxazole-propio acid (AMPA), and the effect of amino acid antagonists. King AE, et al. **Neurosci Lett** 1985 Mar 22;55(1):77-82

Lateral hypothalamic self-stimulation persists in rats after destruction of lateral hypothalamic neurons by kainic acid or ibotenic acid. Sprick U, et al. **Neurosci Lett** 1985 May 14;56(2):211-6

Ibotenic acid lesions of the lateral hypothalamus: comparison with 6-hydroxydopamine-induced sensorimotor deficits. Dunnett SB, et al. **Neuroscience** 1985 Feb;14(2):509-18

Electrical self-stimulation deficits in the anterior and posterior parts of the medial forebrain bundle after ibotenic acid lesion of the middle lateral hypothalamus. Lestang I, et al. **Neuroscience** 1985 Jun;15(2):379-88

Feeding induced by injections of muscimol into the substantia nigra of rats: unaffected by haloperidol but abolished by large lesions of the superior colliculus. Redgrave P, et al. **Neuroscience** 1984 Sep;13(1):77-85

The effect of repeated electroconvulsive shock on the function of THIP, a GABA agonist. Minchin MC, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):491-3

Passive avoidance after ibotenic acid and radio frequency lesions in the rat amygdala. Jellestad FK, et al. **Physiol Behav** 1985 Feb;34(2):299-305

Behavioural responsiveness to muscimol and apomorphine 2 months after prolonged treatment with estradiol in rats. Cuomo V, et al. **Psychopharmacology (Berlin)** 1984; 84(2):287-8

Rhesus monkey cerebrospinal fluid amine metabolite changes following treatment with the reversible monoamine oxidase type-A inhibitor cimoxatone. Garrick NA, et al. **Psychopharmacology (Berlin)** 1985;86(3):265-9

[Beta-adrenoblocking activity and other pharmacological properties of 2-(3-amino-2-hydroxypropoxy)phenyoxymethyl isoxazole derivatives] Iuzhakov SD, et al. **Farmakol Toksikol** 1985 May-Jun;48(3):36-40 (Eng. Abstr.) **(Rus)**

[Potential-dependent interaction of chemical reagents with the sodium channel gating mechanism in a nerve fiber] Mozhaeva GN, et al. **Neirofiziologiia** 1984;16(5):577-90 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effects of ethyl-2-(4-chlorophenyl)-5-ethoxy-4-oxazole acetate (Y-9738) on the serum lipids of patients with hyperlipidemia and/or hypo-HDL-emia. Kajiyama G, et al. **Arzneimittelforsch** 1984;34(6):730-3

Biochemical mechanisms for the scheduled synergism of (alpha S, 5S)-2 amino-3-chloro-4,5-dihydro-5-isoxazoleacetic acid and 5-fluorouracil in P388 leukemia. Ardalan B, et al. **Cancer Chemother Pharmacol** 1985;15(1):44-8

Mechanism of resistance of a variant of P388 leukemia to L-(alpha S,5S)-alpha-amino-3-chloro-4,5-dihydro-5-isoxazoleacet acid (acivicin). Jayaram HN, et al. **Cancer Res** 1985 Jan; 45(1):207-12

Phase II study of acivicin in colorectal carcinoma: a National Cancer Institute of Canada study. Maroun JA, et al. **Cancer Treat Rep** 1984 Sep;68(9):1121-3

Pilot study of zonisamide (1,2-benzisoxazole-3-methanesulfonamide) in patients with refractory partial seizures. Sackellares JC, et al. **Epilepsia** 1985 May-Jun;26(3):206-11

Zonisamide in epilepsy: a pilot study. Wilensky AJ, et al. **Epilepsia** 1985 May-Jun;26(3):212-20

Immunopharmacological profile of a novel isoxazol derivative, HWA 486, with potential antirheumatic activity—I. Disease modifying action on adjuvant arthritis of the rat. Bartlett RR, et al. **Int J Immunopharmacol** 1985; 7(1):7-18

Broxaterol: a double-blind clinical trial comparing broxaterol and salbutamol. Rampulla C, et al. **Respiration** 1985; 47(4):299-302

[Evaluation of the results obtained in thromboembolic vascular lesions with 2 platelet aggregation inhibitors] Parisi FR, et al. **Rev Chir [Chir]** 1983 Jul-Aug;32(4):293-6 (Eng. Abstr.) **(Rum)**

[Differences in the mechanism of the antihypoxic action of benzodiazepine receptor agonists and muscimol] Ostrovskaia RU. **Biull Eksp Biol Med** 1984 Oct; 98(10):436-9 (Eng. Abstr.) **(Rus)**

TOXICITY

The phototoxicity of 2,5-diphenyloxazole (POP) and 1,4-bis(5-phenyloxazol-2-yl)benzene (POPOP). Kagan J, et al. **Photochem Photobiol** 1984 Oct;40(4):479-83

Phenytoin and trimethadione: pharmacokinetics, embryotoxicity, and maternal toxicity. Khera KS. **Prog Clin Biol Res** 1985;163C:317-22

OXAZOLONE see under **OXAZOLES**

OXEDRINE see **SYNEPHRINE**

OXEPINS

PHARMACODYNAMICS

Comparative effect of zoapatle (Montanoa tomentosa) products and of verapamil on the in vitro uterine contractility of rat. Béjar E, et al. **Arch Invest Med (Mex)** 1984 Jul-Sep;15(3):223-38 **(Eng, Spa)**

The zoapatle. VI. Revisited. Gallegos AJ. **Contraception** 1985 May;31(5):487-97 (29 ref.)

The zoapatle. VIII. Ultrastructural changes in endometrium of rats. González Angulo A, et al. **Contraception** 1985 May; 31(5):509-21

The zoapatle. VII. Antiimplantation effect in the rat of zoapatle aqueous crude extract (ZACE) from Montanoa tomentosa and Montanoa frutescens. Pedrón N, et al. **Contraception** 1985 May;31(5):499-507

The zoapatle. XI. Effects elicited by Montanoa tomentosa and Montanoa frutescens on rat uterine strips. Perusquía M, et al. **Contraception** 1985 May;31(5):543-51

The zoapatle. X. The in vitro effect of zoapatle aqueous crude extract (ZACE) and histamine upon rat and guinea pig uterine strips. Ponce-Monter H, et al. **Contraception** 1985 May;31(5):533-41

The zoapatle. IX. In vitro effect of Montanoa tomentosa and Montanoa frutescens upon human sperm and red cells. Wens A, et al. **Contraception** 1985 May;31(5):523-32

Hashish: synthesis and central nervous system activity of some novel analogues of cannabidiol and oxepin derivatives of delta 9-tetrahydrocannabinol. Jorapur VS, et al. **J Med Chem** 1985 Jun;28(6):783-7

Synthesis and antifertility activity of zoapatanol analogues. Kanojia RM, et al. **J Med Chem** 1985 Jun;28(6):796-803

TOXICITY

Antifertility activity and general pharmacological properties of ORF 13811: a synthetic analog of zoapatanol. Hahn DW, et al. **Contraception** 1984 Jul;30(1):39-53

OXIDANTS, PHOTOCHEMICAL

ADVERSE EFFECTS

A survey of health effects studies of photochemical air pollution in Japan. Imai M, et al. **J Air Pollut Control Assoc** 1985 Feb;35(2):103-8 (27 ref.)

Photochemical air pollution. Part I. Goldstein E, et al. **West J Med** 1985 Mar;142(3):369-76 (106 ref.)

Ozone and photochemical pollutants. Status after 25 years. Speizer FE. **West J Med** 1985 Mar;142(3):377-9

PHARMACODYNAMICS

Respiratory effects of photochemical oxidant air pollution in exercising adolescents. Avol EL, et al. **Am Rev Respir Dis** 1985 Sep;132(3):619-22

TOXICITY

Photochemical air pollution. Part II. Goldstein E, et al. **West J Med** 1985 Apr;142(4):523-31 (98 ref.)

OXIDASES see **OXIDOREDUCTASES**

OXIDATION-REDUCTION

Tissue redox-state potential (E'0)—as regulator of physiological processes. Puppi A, et al. **Acta Biol Hung** 1983;34(4):323-50 (148 ref.)

Model for determination of 13C substrate oxidation rates in humans in the fed state. Jones PJ, et al. **Am J Clin Nutr** 1985 Jun;41(6):1277-82

Source of the oxygen atoms of nitrate in the oxidation of nitrite by Nitrobacter agilis and evidence against a P-O-N anhydride mechanism in oxidative phosphorylation. Hollocher TC. **Arch Biochem Biophys** 1984 Sep; 233(2):721-7

Effects of pH and exocyclic substitution on flavosemiquinone reactivity with redox proteins and inorganic oxidants. Przysiecki CT, et al. **Arch Biochem Biophys** 1985 Apr;

238(1):334–43

Oxidation–reduction maintenance in organ preservation. Jellinek M, et al. **Arch Surg** 1985 Apr;120(4):439–42

[Impulse cytofluorometry of the redox activity of single cells using fluorescent formazan] Severin E, et al. **Acta Histochem (Jena)** 1984;75(1):101–5 (Eng. Abstr.) **(Ger)**

[Electrochemical reduction of the anthracycline antibiotic 5-iminodaunorubicin. Isolation and structural clarification of the reduction products] Tresselt D, et al. **Pharmazie** 1984 Jun;39(6):417–9 (Eng. Abstr.) **(Ger)**

[Oxidation of amino acids by pathogenic and non–pathogenic coagulase–negative staphylococci] Mikucki J, et al. **Med Dosw Mikrobiol** 1984;36(2):93–9 (Eng. Abstr.) **(Pol)**

[Role of intensity and coupling of oxidation–reduction processes in maintaining electrolytic homeostasis] Panasiuk EN, et al. **Fiziol Zh** 1985 May–Jun;31(3):296–301 (Eng. Abstr.) **(Rus)**

[Effect of complete fasting on the coagulative and antioxidative properties of blood] Muliar LA, et al. **Vopr Pitan** 1984 Jul–Aug;(4):20–3 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of vitamin E on the balance between pro– and antioxidant activity of ascorbic acid in microsomes from rat heart, kidney and liver. Sterrenberg L, et al. **Toxicol Lett** 1985 May;25(2):153–9

OXIDATIVE PHOSPHORYLATION

see related
UNCOUPLING AGENTS

The kinetics of 32P incorporation into brain and liver ribosomal proteins from 14–day old chick embryos. Sanecka–Obacz M. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:19–25

The mitochondrial electron transport and oxidative phosphorylation system. Hatefi Y. **Annu Rev Biochem** 1985; 54:1015–69 (519 ref.)

Pyruvate–dependent oxidative phosphorylation in erythroid and myeloid tumor mitochondria. Abou–Khalil S, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):792–6

Rate control of phosphorylation–coupled respiration by rat liver mitochondria. Davis EJ, et al. **Arch Biochem Biophys** 1984 Sep;233(2):573–81

Influence of anion flux upon mitochondrial oxidative phosphorylation. Howland JL, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):473–6

Membrane reconstitution of the energy–conserving enzymes of oxidative phosphorylation. Casey RP. **Biochim Biophys Acta** 1984 Dec 17;768(3–4):319–47 (301 ref.)

Oxidative metabolism of Polytron versus Nagarse mitochondria in hearts of genetically diabetic mice. Kuo TH, et al. **Biochim Biophys Acta** 1985 Jan 23;806(1):9–15

A hypothesis for the mechanism of respiratory–chain phosphorylation not involving the electrochemical gradient of protons as obligatory intermediate. Slater EC, et al. **Biochim Biophys Acta** 1985 Aug 1;811(3):217–31

Regulation of the degree of coupling of oxidative phosphorylation in intact rat liver. Soboll S, et al. **Biochim Biophys Acta** 1985 May 31;807(3):245–54

Rate law of mitochondrial respiration versus extramitochondrial ATP/ADP ratio. Bohnensack R. **Biomed Biochim Acta** 1984;43(4):403–11

An indirect and highly sensitive method for the determination of the flow of reducing equivalents in the respiratory chain. Marzulli D, et al. **Boll Soc Ital Biol Sper** 1985 Jan 30; 61(1):129–35

Contributions of glycolysis and oxidative phosphorylation to adenosine 5'–triphosphate production in AS–30D hepatoma cells. Nakashima RA, et al. **Cancer Res** 1984 Dec; 44(12 Pt 1):5702–6

Binding change mechanism for ATP synthesis by oxidative phosphorylation and photophosphorylation. Cross RL, et al. **Curr Top Cell Regul** 1984;24:335–44

Mechanistic implications of 18O exchange during ATP synthesis in oxidative phosphorylation. Hackney DD. **Curr Top Cell Regul** 1984;24:379–86

Comments on 'Alterations of oxidative–phosphorylation reactions in mitochondria isolated from hypothyroid–rat liver', by I. Ezawa et al. [letter] Shears SB. **Eur J Biochem** 1985 Jan 2;146(1):233–5

Oxidations in kidney mitochondria of heat–exposed rats: regulation by cytochrome c. Puranam RS, et al. **J Bioenerg Biomembr** 1984 Dec;16(5–6):421–31

Steady–state kinetics of the overall oxidative phosphorylation reaction in heart mitochondria. Evidence for linkage of the energy–yielding and energy–consuming steps by freely diffusible intermediates and for an allosteric mechanism of respiratory control at coupling site 2. Stoner CD. **J Bioenerg Biomembr** 1985 Apr;17(2):85–108

Steady–state kinetics of the overall oxidative phosphorylation reaction in heart mitochondria. Determination of the coupling relationships between the respiratory reactions and miscellaneous observations concerning rate–limiting steps. Stoner CD. **J Bioenerg Biomembr** 1984 Apr; 16(2):115–41

Bioenergetic studies of mitochondrial oxidative phosphorylation using 31phosphorus NMR. Gyulai L, et al. **J Biol Chem** 1985 Apr 10;260(7):3947–54

The ATP–to–oxygen stoichiometries of oxidative phosphorylation by rat liver mitochondria. An analysis of ADP–induced oxygen jumps by linear nonequilibrium thermodynamics. Lemasters JJ. **J Biol Chem** 1984 Nov 10; 259(21):13123–30

Creatine kinase of rat heart mitochondria. The demonstration of functional coupling to oxidative phosphorylation in an inner membrane–matrix preparation. Saks VA, et al. **J Biol Chem** 1985 Jun 25;260(12):7757–64

Mitochondrial oxidative phosphorylation and respiratory chain: review. Gautheron DC. **J Inherited Metab Dis** 1984; 7 Suppl 1:57–61

Non–local thermodynamic effects and efficiency of oxidative phosphorylation. Ferrer F, et al. **J Theor Biol** 1985 Jul 7;115(1):153–60

Local energized proton hypotheses of mitochondrial oxidative phosphorylation. Malpress FH. **J Theor Biol** 1984 Aug 21;109(4):523–32

A coulombic hypothesis of mitochondrial oxidative phosphorylation. Malpress FH. **J Theor Biol** 1984 Aug 21; 109(4):501–21

Purified hydrophobic proteins, chargerins, are essential for energy transduction in oxidative phosphorylation. Higuti T, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1331–5

Stochastic free energy transduction. Westerhoff HV, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3222–6

[Free radicals and oxidative phosphorylation in chemical carcinogenesis] Miminoshvili AA, et al. **Biofizika** 1984 Jul–Aug;29(4):683–5 (Eng. Abstr.) **(Rus)**

[Creatine kinase reaction in cardiac mitoplasts of rats. Its relation to oxidative phosphorylation] Kuznetsov AV, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):7–14 **(Rus)**

[Changes in the efficiency of oxidative phosphorylation, respiratory rate and Ca2+ ion transport in the liver mitochondria of rats and susliks with various levels of thermogenesis] Brustovetskiĭ NN, et al. **Dokl Akad Nauk SSSR** 1984;276(5):1260–3 **(Rus)**

DRUG EFFECTS

Functional efficiency of mitochondrial membrane of rats with hepatic chronic iron overload. Masini A, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):462–9

Effects of thyroid hormone on mitochondrial oxidative phosphorylation. Verhoeven AJ, et al. **Biochem J** 1985 Feb 15;226(1):183–92

Effects of ticlopidine, a new platelet antiaggregating agent, and its analogues on mitochondrial metabolism. Oxidative phosphorylation, protein synthesis and DNA polymerase activity. Abou–Khalil WH, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3893–8

Thiols in oxidative phosphorylation: inhibition and energy–potentiated uncoupling by monothiol and dithiol modifiers. Yagi T, et al. **Biochemistry** 1984 May 22; 23(11):2449–55

The effect of temperature and chronic ethanol feeding on the proton electrochemical potential and phosphate potential in rat liver mitochondria. Rottenberg H, et al. **Biochim Biophys Acta** 1985 Aug 28;809(1):1–10

Uncoupling of oxidative phosphorylation by divalent cationic cyanine dye. Participation of phosphate transporter. Terada H, et al. **Biochim Biophys Acta** 1985 May 3;807(2):168–76

Influence of octanoate on the rate of oxidative phosphorylation and the associated extramitochondrial ATP/ADP ratios studied with isolated rat liver mitochondria oxidizing pyruvate. Schönfeld P, et al. **Biomed Biochim Acta** 1984;43(10):1055–65

The effect of some sulfhydryl reagents on the respiratory chain activity. Zanotti F, et al. **Boll Soc Ital Biol Sper** 1985 Jan 30;61(1):113–20

Mitochondrial bioenergetics during exposure of rats to perfluidone, a fluorinated arylalkylsulphonamide. Olorunsogo OO, et al. **Chem Biol Interact** 1984 Nov; 52(1):67–78

The influence of thyroid hormone on the degree of control of oxidative phosphorylation exerted by the adenine nucleotide translocator. Holness M, et al. **FEBS Lett** 1984 Nov 19;177(2):231–5

Energy–independent protection of the oxidative phosphorylation capacity of mitochondria against anoxic damage by ATP and its non–metabolizable analogs. Watanabe F, et al. **J Biochem (Tokyo)** 1985 Apr; 97(4):1229–34

Regulation of oxidative phosphorylation in mitochondria by external free Ca2+ concentrations. Moreno–Sánchez R. **J Biol Chem** 1985 Apr 10;260(7):4028–34

Formation of a leakage–type ion pathway in lipid bilayer membranes by divalent cationic cyanine dyes in cooperation with inorganic phosphate. Role of the cyanine dye in uncoupling of oxidative phosphorylation. Takeguchi N, et al. **J Biol Chem** 1985 Aug 5;260(16):9158–61

Effects of procaine on the oxidative phosphorylation of brain mitochondria from senescent rats. Bai F, et al. **Mech Ageing Dev** 1984 Aug;26(2–3):277–82

[Effect of extracts of radix Paeoniae rubrae and its derivatives on platelet aggregation and oxidative phosphorylation of mitochondria] Wang JF. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Dec;4(12):745–7 (Eng. Abstr.) **(Chi)**

[The mechanism of action of E.coli endotoxin on oxidative phosphorylation of the rat liver mitochondria] Ishiyama S, et al. **Nippon Geka Gakkai Zasshi** 1985 Jan;86(1):23–31 (Eng. Abstr.) **(Jpn)**

[Characteristics of the change in oxidative phosphorylation in the mitochondria of various organs under nitrous oxide anesthesia] Tsyganiĭ AA, et al. **Farmakol Toksikol** 1984 Jul–Aug;47(4):30–3 (Eng. Abstr.) **(Rus)**

[The effect of electrolyte and iso–oncotic cardioplegic solutions on oxidative phorphorylation in mitochondria in the ischemic myocardium in dogs] Horecký J, et al. **Bratisl Lek Listy** 1985 Apr;83(4):404–12 (Eng. Abstr.) **(Slo)**

OXIDATIVE PHOSPHORYLATION COUPLING FACTORS

Thiols in oxidative phosphorylation: inhibition and energy–potentiated uncoupling by monothiol and dithiol modifiers. Yagi T, et al. **Biochemistry** 1984 May 22; 23(11):2449–55

THERAPEUTIC USE

Primary aldosteronism treated by trilostane (3 beta–hydroxysteroid dehydrogenase inhibitor). Nakada T, et al. **Urology** 1985 Feb;25(2):207–14

OXIDES

see related
CYCLIC N–OXIDES
CYCLIC S–OXIDES

Mechanism of chloroform formation by chlorine and its inhibition by chlorine dioxide. Suh DH, et al. **Fundam Appl Toxicol** 1985 Apr;5(2):305–13

Comparison of HgO and CuSO4 as digestion catalysts in manual Kjeldahl determination of crude protein in animal feeds: collaborative study. Kane PF. **J Assoc Off Anal Chem** 1984 Sep–Oct;67(5):869–77

Oxide compounds on Ni–Cr alloys. Baran GR. **J Dent Res** 1984 Nov;63(11):1332–4

Measurement of oxide adherence to PFM alloys. Mackert JR Jr, et al. **J Dent Res** 1984 Nov;63(11):1335–40

ADVERSE EFFECTS

[Treatment of severe caustic burns with high polymer hyaluronic acid (Healon)] Reim M, et al. **Fortschr Ophthalmol** 1984;81(4):323–5 (Eng. Abstr.) **(Ger)**

ANALYSIS

Determination of chlorine dioxide in potable waters using chlorophenol red. Fletcher IJ, et al. **Analyst** 1985 Jun; 110(6):695–9

Impact of chlorine, chlorine dioxide and ozone on the oxidation of NTA during drinking water treatment. Hrubec J, et al. **Bull Environ Contam Toxicol** 1984 Nov; 33(5):548–55

METABOLISM

The relationship of ingested iron to the absorption of mercuric oxide. Barber TE, et al. **Am J Emerg Med** 1984 Nov;2(6):500–3

Oxidised copper wire as a copper supplement for sheep: a study of some variables which may alter copper availability. Judson GJ, et al. **Aust Vet J** 1984 Sep;61(9):294–5

PHARMACODYNAMICS

Inactivation of simian rotavirus SA11 by chlorine, chlorine dioxide, and monochloramine. Berman D, et al. **Appl Environ Microbiol** 1984 Aug;48(2):317–23

Susceptibility of chemostat–grown Yersinia enterocolitica and Klebsiella pneumoniae to chlorine dioxide. Harakeh MS, et al. **Appl Environ Microbiol** 1985 Jan;49(1):69–72

Effective sterilization of a plastic film rack isolator with 'Alcide'. Pell–Walpole C, et al. **Lab Anim** 1984 Oct; 18(4):349–50

[Experimental study on the disinfection efficiency of a mixture of chlorine dioxide and chlorine in water] Cheng YY, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Mar;18(2):69–72 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Biochemical oxygen activation as the basis for the physiological action of tetrachlorodecaoxide (TCDO). Youngman RJ, et al. **Z Naturforsch** [C] 1985 May–Jun; 40(5–6):409–14

TOXICITY

The effect of Alcide, a new antimicrobial drug, on rat blood glutathione and erythrocyte osmotic fragility, in vitro. Abdel–Rahman MS, et al. **J Appl Toxicol** 1985 Jun; 5(3):178–81

Effects of Alcide gel on fetal development in rats and mice. II. Gerges SE, et al. **J Appl Toxicol** 1985 Apr;5(2):104–9

Teratologic evaluation of Alcide liquid in rats and mice. I. Skowronski GA, et al. **J Appl Toxicol** 1985 Apr;5(2):97–103

The effects of chronic administration of chlorine dioxide, chlorite and chlorate to normal healthy adult male volunteers. Lubbers JR, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4–5):229–38

Effects of the acute rising dose administration of chlorine dioxide, chlorate and chlorite to normal healthy adult male volunteers. Lubbers JR, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4-5):215-28

Effects of chlorine dioxide on thyroid function in neonatal rats. Orme J, et al. **J Toxicol Environ Health** 1985; 15(2):315-22

OXIDOREDUCTASES

Ascorbic acid oxidase speeds up analysis for catecholamines, indoleamines and their metabolites in brain tissue using high-performance liquid chromatography with electrochemical detection. McKay L, et al. **J Chromatogr** 1984 Nov 9;311(1):167-9

Low-temperature magnetic circular dichroism studies of native laccase: spectroscopic evidence for exogenous ligand bridging at a trinuclear copper active site. Allendorf MD, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3063-7

ANALYSIS

Specific 5 alpha-dihydrotestosterone receptor and 5 alpha-reductase activity in human amniotic fluid cells. Sultan C, et al. **Am J Obstet Gynecol** 1984 Dec 15; 150(8):956-60

An alternative 7-ethoxyresorufin O-deethylase activity assay: a continuous visible spectrophotometric method for measurement of cytochrome P-450 monooxygenase activity. Klotz AV, et al. **Anal Biochem** 1984 Jul; 140(1):138-45

Production of a monoclonal antibody directed against rat liver glutathione-insulin transhydrogenase. Dawson DB, et al. **Biochem Biophys Res Commun** 1984 Dec 14; 125(2):668-74

Cross-linking studies of adrenocortical cytochrome P-450scc. Evidence for a covalent complex with adrenodoxin and localization of the adrenodoxin-binding domain. Chashchin VL, et al. **Biochim Biophys Acta** 1985 Apr 29;828(3):313-24

Effect of metals and other inorganic ions on soil microbial activity: soil dehydrogenase assay as a simple toxicity test. Rogers JE, et al. **Bull Environ Contam Toxicol** 1985 Jun; 34(6):858-65

Increased 5 alpha-reductase activity in idiopathic hirsutism. Serafini P, et al. **Fertil Steril** 1985 Jan;43(1):74-8

Molecular and immunological comparison of membrane-bound, H2-oxidizing hydrogenases of Bradyrhizobium japonicum, Alcaligenes eutrophus, Alcaligenes latus, and Azotobacter vinelandii. Arp DJ, et al. **J Bacteriol** 1985 Jul;163(1):15-20

Dimethyl sulfoxide reductase activity by anaerobically grown Escherichia coli HB101. Bilous PT, et al. **J Bacteriol** 1985 Jun;162(3):1151-5

Immunological investigation of the distribution of cytochromes related to the two terminal oxidases of Escherichia coli in other gram-negative bacteria. Kranz RG, et al. **J Bacteriol** 1985 Feb;161(2):709-13

Component A2 of the methylcoenzyme M methylreductase system from Methanobacterium thermoautotrophicum. Rouvière PE, et al. **J Bacteriol** 1985 Apr;162(1):61-6

Localization of the enantiozymes of 6-hydroxy-nicotine oxidase in Arthrobacter oxidans by electron immunochemistry. Swafford JR, et al. **J Bacteriol** 1985 Aug;163(2):792-5

Purification and characterization of the human liver cytochromes P-450 involved in debrisoquine 4-hydroxylation and phenacetin O-deethylation, two prototypes for genetic polymorphism in oxidative drug metabolism. Distlerath LM, et al. **J Biol Chem** 1985 Jul 25;260(15):9057-67

Electron paramagnetic resonance studies on the mechanism of activation and the catalytic cycle of the nickel-containing hydrogenase from Desulfovibrio gigas. Teixeira M, et al. **J Biol Chem** 1985 Jul 25;260(15):8942-50

High-performance liquid chromatography assays of phenylpyruvate and phenylpyruvate oxidase. Hill JA, et al. **J Chromatogr** 1985 Feb 8;337(2):397-401

Aromatase activity in cultured human genital skin fibroblasts. Berkovitz GD, et al. **J Clin Endocrinol Metab** 1984 Oct; 59(4):665-71

5 alpha-Reductase activity in the genital skin of hirsute women. Serafini P, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):349-55

Thromboxane synthase is preferentially conserved in activated mouse peritoneal macrophages. Tripp CS, et al. **J Clin Invest** 1985 Aug;76(2):898-901

Collaborative evaluation of the Abbott Avantage system for identification of frequently isolated nonfermentative or oxidase-positive gram-negative bacilli. Jorgensen JH, et al. **J Clin Microbiol** 1984 Nov;20(5):899-904

Glutaryl-CoA dehydrogenase activity determined with intact electron-transport chain: application to glutaric aciduria type II. Christensen E. **J Inherited Metab Dis** 1984; 7 Suppl 2:103-4

Measurement of cytochrome P-450 dependent dealkylation of alkoxyphenoxazones in hepatic S9s and hepatocyte homogenates: effects of dicumarol. Lubet RA, et al. **Mutat Res** 1985 Mar;142(3):127-31

[A micromethod for the determination of reductase activity in human neutrophilic leukocytes--MIKRO-INT] Mareček D, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1982;25(5):563-6 (Eng. Abstr.) **(Cze)**

[Primary structure of 20S,22R-cholesterol-hydroxylating cytochrome P-450 from bovine adrenal cortex mitochondria. Study of the structure of peptides obtained by hydrolysis of fragment F1 with proteinase from Staphylococcus aureus] Chashchin VL, et al. **Bioorg Khim** 1985 Apr;11(4):455-70 (Eng. Abstr.) **(Rus)**

[Effect of physical and sugar loads on the dehydrogenase activity of the saliva] Kabulbekov AA, et al. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):11-2 (Eng. Abstr.) **(Rus)**

[5-alpha steroid reductase and 17-beta steroid oxidoreductase activity in human fibroblasts. Comparison between cells of normal individuals and patients with different types of male pseudohermaphroditism] Bassol S, et al. **Rev Invest Clin** 1984 Jul-Sep;36(3):231-5 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

The effect of beta-adrenoceptor blockade and of thromboxane synthetase inhibition, alone and in combination, on arrhythmias resulting from myocardial ischemia. Wainwright CL, et al. **Adv Myocardiol** 1985; 6:573-84

Thromboxane and leukotrienes in clinical and experimental transplant rejection. Foegh ML, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 13:209-17

Effects of selective thromboxane synthetase inhibitor OKY-046 on plasma prostaglandins in patients with coronary artery disease during exercise. Shikano M, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 13:375-7

Effects of selective inhibition of thromboxane synthesis on renal function in humans. Zipser RD. **Am J Physiol** 1985 Jun;248(6 Pt 2):F753-6

Effects of OKY-046, a selective thromboxane synthetase inhibitor, on endotoxin-induced lung injury in unanesthetized sheep. Kubo K, et al. **Am Rev Respir Dis** 1985 Sep;132(3):494-9

Influence of an inhibition of thromboxane synthetase by imidazole on kidney function in rats during postnatal development. Herceg R, et al. **Arch Int Pharmacodyn Ther** 1985 May;275(1):151-9

Inactivation of human placental aromatase by 6 alpha- and 6 beta-hydroperoxyandrostenedione. Tan L, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):613-20

Complete inhibition of dihydro-orotate oxidation and superoxide production by 1,1,1-trifluoro-3-thenoylacetone in rat liver mitochondria. Dileepan KN, et al. **Biochem J** 1985 Jan 1;225(1):189-94

Suicidal inactivation and labelling of ammonia mono-oxygenase by acetylene. Hyman MR, et al. **Biochem J** 1985 May 1;227(3):719-25

Aromatase inhibition and its pharmacologic implications. Brodie AM. **Biochem Pharmacol** 1985 Sep 15;34(18):3213-9 (68 ref.)

Imidazole antimycotics: inhibitors of steroid aromatase. Mason JI, et al. **Biochem Pharmacol** 1985 Apr 1; 34(7):1087-92

Thromboxane synthase inhibition potentiates washed platelet activation by endogenous and exogenous arachidonic acid. Patscheke H. **Biochem Pharmacol** 1985 Apr 15;34(8):1151-6

Prostaglandins and human platelet aggregation. Implications for the anti-aggregating activity of thromboxane-synthase inhibitors. Rajtar G, et al. **Biochem Pharmacol** 1985 Feb 1;34(3):307-10

Hydroperoxides as inactivators of aromatase: 10 beta-hydroperoxy-4-estrene-3,17-dione, crystal structure and inactivation characteristics. Covey DF, et al. **Biochemistry** 1984 Nov 6;23(23):5398-406

Selective thromboxane synthetase inhibitor and ischemic heart disease. Ito T, et al. **Biomed Biochim Acta** 1984; 43(8-9):S125-32

Comparison of the thromboxane synthetase inhibitor dazoxiben and the prostacyclin mimetic iloprost in an animal model of acute ischaemia and reperfusion. Thiemermann C, et al. **Biomed Biochim Acta** 1984; 43(8-9):S151-4

The fumarate reductase system as a site of anthelmintic attack in Ascaris suum. Barrowman MM, et al. **Biosci Rep** 1984 Oct;4(10):879-83

Effective inhibition by low dose aminoglutethimide of peripheral aromatization in postmenopausal breast cancer patients. Dowsett M, et al. **Br J Cancer** 1985 Jul;52(1):31-5

The effects of dazoxiben, an inhibitor of thromboxane synthetase, on cold-induced forearm vasoconstriction and platelet behaviour in different individuals. Cowley AJ, et al. **Br J Clin Pharmacol** 1985 Jan;19(1):1-8

Selective inhibition of prostatic tumor 5 alpha-reductase by a 4-methyl-4-azasteroid. Kadohama N, et al. **Cancer Res** 1984 Nov;44(11):4947-54

Effects of aromatase inhibitors, aminoglutethimide, and 4-hydroxyandrostenedione on cyclic rats and rats with 7,12-dimethylbenz(a)anthracene-induced mammary tumors. Wing LY, et al. **Cancer Res** 1985 Jun;45(6):2425-8

Inhibition of Leydig tumor cell steroidogenesis by 10-propargylestr-4-ene-3,17-dione, an irreversible aromatase inhibitor. Zimniski SJ, et al. **Cancer Res** 1985 Oct;45(10):4883-9

Aminoglutethimide as an aromatase inhibitor in the treatment of cancer. Santen RJ. **Cancer Treat Rev** 1984 Dec; 11(4):325-9

Administration of dazoxiben, a selective thromboxane synthetase inhibitor, in the adult respiratory distress syndrome. Leeman M, et al. **Chest** 1985 Jun;87(6):726-30

Beneficial effect of a thromboxane synthetase inhibitor in traumatic shock. Hock CE, et al. **Circ Shock** 1984; 14(3):159-68

Intravenous infusion of a selective inhibitor of thromboxane A2 synthetase in man: influence on thromboxane B2 and 6-keto-prostaglandin F1 alpha levels and platelet aggregation. Yui Y, et al. **Circulation** 1984 Oct; 70(4):599-605

Endocrine effects of low dose aminoglutethimide as an aromatase inhibitor in the treatment of breast cancer. Stuart-Harris R, et al. **Clin Endocrinol (Oxf)** 1985 Feb; 22(2):219-26

Tissue-selective inhibition of prostaglandin and thromboxane synthesis in man: investigative and therapeutic implications. Patrono C. **Clin Physiol** 1984 Dec;4(6):443-7 (27 ref.)

The development of a male pseudohermaphroditic rat using an inhibitor of the enzyme 5 alpha-reductase. Imperato-McGinley J, et al. **Endocrinology** 1985 Feb; 116(2):807-12

Aromatase inhibitors prevent granulosa cell differentiation: an obligatory role for estrogens in luteinizing hormone receptor expression. Knecht M, et al. **Endocrinology** 1985 Sep;117(3):1156-61

A double blind trial of UK-38,485, an orally active thromboxane synthetase inhibitor, in the treatment of Raynaud's syndrome. Rustin MH, et al. **Eur J Clin Pharmacol** 1984;27(1):61-5

Pharmacological interventions and myocardial infarct size in rat. Kumar C, et al. **Eur J Pharmacol** 1985 Feb 12; 109(1):117-20

Inhibition of vasoconstrictor mechanisms by dazoxiben in the rat mesenteric vasculature. Li DM, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):351-6

Effect of OKY-1581, a thromboxane synthetase inhibitor, on coronary thrombosis in the conscious dog. Shea MJ, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):285-91

Delay of the initiation of hypertension in spontaneously hypertensive rats by CV-4151, a specific thromboxane A2 synthetase inhibitor. Shibouta Y, et al. **Eur J Pharmacol** 1985 Feb 26;109(2):135-44

Inhibition of thromboxane and 12-HPETE formation by dazoxiben and its two thiophenic acid-substituted derivatives. Smith EF 3d, et al. **Eur J Pharmacol** 1985 Jun 7;112(2):161-9

Effects of the aromatase inhibiting delta 1,4-bisnorcholadienic acid on the steroid biosynthesis in the human ovary in vitro. Schürenkämper P, et al. **Exp Clin Endocrinol** 1984 Dec;84(3):271-6

Effect of aromatase inhibition by delta 1-testolactone on basal and luteinizing hormone-releasing hormone-stimulated pituitary and gonadal hormonal function in oligospermic men. Dony JM, et al. **Fertil Steril** 1985 May;43(5):787-92

Therapeutic trial of thromboxane synthesis inhibition in the hepatorenal syndrome. Zipser RD, et al. **Gastroenterology** 1984 Dec;87(6):1228-32

Thromboxane synthetase inhibition: potential therapy in migraine. Joseph R, et al. **Headache** 1985 Jun;25(4):204-7

Dazoxiben, a prototype inhibitor of thromboxane synthesis, has little toxicity in laboratory animals. Irisarri E, et al. **Hum Toxicol** 1985 May;4(3):311-5

Purification and characterization of the serum ferroxidase inhibitor. Calisch MP, et al. **Int J Biochem** 1984; 16(11):1127-34

Augmented thromboxane A2 generation and efficacy of its blockade in acute myocardial infarction. Tada M, et al. **Int J Cardiol** 1985 Jul;8(3):301-12

Thromboxane synthase inhibition and perinatal pulmonary response to arachidonic acid. Tod ML, et al. **J Appl Physiol** 1985 Mar;58(3):710-6

Relationships between the severity of myocardial ischaemia, reperfusion-induced ventricular fibrillation, and the late administration of dazmegrel or nifedipine. Coker SJ, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):327-34

Experimental coronary artery thrombosis in the absence of thromboxane A2 synthesis: evidence for alternate pathways for coronary thrombosis. Hook BG, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb;7(1):174-81

Thromboxane synthetase inhibitor UK38,485 lowers blood pressure in the adult spontaneously hypertensive rat. Uderman HD, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct; 6(5):969-72

The effects of the aromatase inhibitor delta 1-testolactone on gonadotropin release and steroid metabolism in polycystic ovarian disease. Dunaif A, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):773-80

Inhibition of aromatization stimulates luteinizing hormone and testosterone secretion in adult male rhesus monkeys. Ellinwood WE, et al. **J Clin Endocrinol Metab** 1984 Dec; 59(6):1088-96

Aromatase inhibition by delta 1-testolactone does not relieve the gonadotropin-induced late steroidogenic block in normal men. Smals AG, et al. **J Clin Endocrinol Metab** 1985 Jun;60(6):1127-31

Inhibition of ceruloplasmin and other copper oxidases by thiomolybdate. Chidambaram MV, et al. **J Inorg Biochem** 1984 Dec;22(4):231-40

Influence of selective thromboxane synthetase blocker CGS-13080 on thromboxane and prostacyclin biosynthesis in whole blood: evidence for synthesis of prostacyclin by leukocytes from platelet–derived endoperoxides. Mehta J, et al. **J Lab Clin Med** 1985 Sep;106(3):246–52

Thiol–containing androgens as suicide substrates of aromatase. Bednarski PJ, et al. **J Med Chem** 1985 Jun; 28(6):775–9

7 alpha–substituted derivatives of androstenedione as inhibitors of estrogen biosynthesis. Darby MV, et al. **J Med Chem** 1985 Jun;28(6):803–7

Imidazo[1,5–a]pyridines: a new class of thromboxane A2 synthetase inhibitors. Ford NF, et al. **J Med Chem** 1985 Feb;28(2):164–70

Analogues of aminoglutethimide: selective inhibition of aromatase. Foster AB, et al. **J Med Chem** 1985 Feb; 28(2):200–4

Thromboxane synthetase inhibitors (TXSI). Design, synthesis, and evaluation of a novel series of omega–pyridylalkenoic acids. Kato K, et al. **J Med Chem** 1985 Mar;28(3):287–94

Aromatase inhibitors. Synthesis and biological activity of androstenedione derivatives. Marsh DA, et al. **J Med Chem** 1985 Jun;28(6):788–95

Azasteroids as inhibitors of rat prostatic 5 alpha–reductase. Rasmusson GH, et al. **J Med Chem** 1984 Dec; 27(12):1690–701

Preparation of 20–(hydroxymethyl)–4–methyl–4–aza–2–oxa–5 alpha–pregnan–3–one as an inhibitor of testosterone 5 alpha–reductase. Weintraub PM, et al. **J Med Chem** 1985 Jun;28(6):831–3

Thromboxane synthetase inhibition in acute focal cerebral ischemia in cats. Moufarrij NA, et al. **J Neurosurg** 1984 Dec;61(6):1107–12

Liquid chromatographic–ultraviolet methods for furegrelate in serum and urine: preliminary pharmacokinetic evaluation in the dog. Lakings DB, et al. **J Pharm Sci** 1985 Apr; 74(4):455–9

Induction of implantation by aromatase inhibitors in ovariectomized mice. Wu JT. **J Reprod Fertil** 1984 Nov; 72(2):345–9

Covalent modification of aromatase by a radiolabeled irreversible inhibitor. Snider CE, et al. **J Steroid Biochem** 1985 Mar;22(3):325–30

Inhibition of aromatase and NADPH cytochrome c reductase activities in human endometrium by the human placental NADPH cytochrome c reductase antiserum. Tseng L, et al. **J Steroid Biochem** 1985 Apr;22(4):555–7

Amelioration of the deleterious effects of platelets activated during cardiopulmonary bypass. Comparison of a thromboxane synthetase inhibitor and a prostacyclin analogue. Huddleston CB, et al. **J Thorac Cardiovasc Surg** 1985 Feb;89(2):190–5

Retardation of prostate tumor progression in the Noble rat by 4–methyl–4–aza–steroidal inhibitors of 5 alpha–reductase. Kadohama N, et al. **JNCI** 1985 Feb; 74(2):475–86

Low–dose aminoglutethimide and aromatase inhibition [letter] Dowsett M, et al. **Lancet** 1985 Jan 19;1(8421):175–6

Protective actions of a new thromboxane synthetase inhibitor in arachidonate induced sudden death. Edmonds LC, et al. **Life Sci** 1984 Oct 22;35(17):1763–8

Effects of ONO–3122 (an enhancer of PGH2 production) and OKY–1581 (an inhibitor of TXA2 production) on the vasopressin–induced water flow in the toad bladder. Marumo F. **Pharmacology** 1985;31(1):34–9

Inhibition of thromboxane synthesis ameliorates the progressive kidney disease of rats with subtotal renal ablation. Purkerson ML, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):193–7

Pulmonary vascular response to thrombin: effects of thromboxane synthetase inhibition with OKY–046 and OKY–1581. Garcia–Szabo R, et al. **Prostaglandins** 1984 Dec;28(6):851–66

Effects of a thromboxane synthetase inhibitor and a thromboxane antagonist on release and activity of thromboxane A2 and prostacyclin in vitro. O'Keefe EH, et al. **Prostaglandins** 1985 May;29(5):785–97

Comparison of radioimmunoassay and high–resolution gas chromatography mass spectrometry for the quantitative determination of serum thromboxane B2 and 6–keto–PGF1 alpha after pharmacological blockade of thromboxane synthetase. Chiabrando C, et al. **Prostaglandins Leukotrienes Med** 1984 Oct;16(1):79–88

Protective action of a thromboxane synthetase inhibitor in preventing extension of infarct size in acute myocardial infarction. Hock CE, et al. **Prostaglandins Leukotrienes Med** 1985 Mar;17(3):339–46

Endotoxin–induced acute renal failure in mice. Effects of indomethacin and the thromboxane–synthetase antagonist UK 38.485. Hirschberg R, et al. **Res Exp Med (Berl)** 1985; 185(2):107–13

The effect of a thromboxane synthetase inhibitor, OKY–046, on urinary excretion of immunoreactive thromboxane B2 and 6–keto–prostaglandin F1 alpha in patients with ischemic cerebrovascular disease. Uyama O, et al. **Stroke** 1985 Mar–Apr;16(2):241–4

Inhibition of arachidonate–induced human platelet aggregation by a single low oral dose of aspirin in combination with a thromboxane synthase inhibitor [letter] Cerletti C, et al. **Thromb Haemost** 1984 Oct 31;52(2):215

Thromboxane synthase inhibition combined with thromboxane receptor blockade: a step forward in antithrombotic strategy? [letter] Gresele P, et al. **Thromb Haemost** 1984 Dec 29;52(3):364

The effect of inhibition of thromboxane synthesis in experimental thrombosis and hemostasis. Bergqvist D, et al. **Thromb Res** 1985 Feb 1;37(3):435–48

Lack of synergism between dazoxiben and dipyridamole following administration to man. Gresele P, et al. **Thromb Res** 1985 Jan 1;37(1):231–6

Effect of specific thromboxane–synthetase inhibition on thromboxane and prostaglandin synthesis in stable angina induced by exercise test. Mogensen F, et al. **Thromb Res** 1985 Jan 15;37(2):259–66

Effects of the selective thromboxane synthetase inhibitor, dazoxiben, on cyclic flow variations in stenosed canine coronary arteries. Bush LR, et al. **Trans Assoc Am Physicians** 1983;96:103–12

[The efficacy of prostacyclin (PGI2) and/or OKY–046, a specific thromboxane synthetase inhibitor, in acute myocardial infarction––experimental study] Moriuchi M. **Kokyu To Junkan** 1984 Sep;32(9):955–61 (Eng. Abstr.) **(Jpn)**

[Protective effect of a thromboxane synthetase inhibitor, OKY–046, in patients with acute respiratory failure] Sakio H, et al. **Masui** 1984 Sep;33(9):964–9 (Eng. Abstr.) **(Jpn)**

[Analogs of prostaglandin–related substances and inhibitors of their synthesis and metabolism. Clinical application: cardiovascular diseases] Ogawa K, et al. **Nippon Rinsho** 1985 Mar;43(3):578–82 (16 ref.) **(Jpn)**

[Interaction of mitochondrial succinate:ubiquinone reductase with thenoyltrifluoroacetone and carboxin] Grivennikova VG, et al. **Biokhimiia** 1985 Mar;50(3):375–83 (Eng. Abstr.) **(Rus)**

[Suppression of platelet aggregation as a result of two–component inhibition of a polyenzyme system of thromboxane synthesis] Varfolomeev SD, et al. **Dokl Akad Nauk SSSR** 1985 May–Jun;282(1):194–6 **(Rus)**

BIOSYNTHESIS

Topically applied nitropyrenes are potent inducers of cutaneous and hepatic monooxygenases. Asokan P, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):134–40

Action of clofibrate and its analogs in rats. Dissociation of hypolipidemic effects and the induction of peroxisomal beta–oxidation. Harrison EH. **Biochim Biophys Acta** 1984 Nov 14;796(2):163–8

Positive control of a regulon for defenses against oxidative stress and some heat–shock proteins in Salmonella typhimurium. Christman MF, et al. **Cell** 1985 Jul; 41(3):753–62

Regulation of aromatase activity of rat granulosa cells: induction of synthesis of NADPH–cytochrome P–450 reductase by FSH and dibutyryl cyclic AMP. Durham CR, et al. **Mol Cell Endocrinol** 1985 May;40(2–3):211–9

5–Azacytidine and sodium butyrate induce expression of aromatase in fibroblasts from chickens carrying the henny feathering trait but not from wild–type chickens. Leshin M. **Proc Natl Acad Sci USA** 1985 May;82(9):3005–9

BLOOD

Substrate–induction of veratric acid O–demethylase in Nocardia sp. Malarczyk E. **Acta Biochim Pol** 1984; 31(4):383–95

Release of thioltransferase from rabbit polymorphonuclear leucocytes by immune complex in vitro and inhibition of the enzyme by chloramphenicol. Hatakeyama M, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):458–63

Several dehydrogenases and kinases compete for endocytosis from plasma by rat tissues. Bijsterbosch MK, et al. **Biochem J** 1985 Jul 15;229(2):409–17

A reappraisal of leukocyte dehydroascorbate reductase. Stahl RL, et al. **Biochim Biophys Acta** 1985 Mar 29;839(1):119–21

Catabolism of exogenously supplied thymidine to thymine and dihydrothymine by platelets in human peripheral blood. Pero RW, et al. **Cancer Res** 1984 Nov; 44(11):4955–61

Enzyme analysis and subcellular fractionation of human peripheral blood lymphocytes with special reference to the localization of putative plasma membrane enzymes. Shah T, et al. **Cell Biochem Funct** 1983 Jul;1(2):117–24

Peroxidative changes in erythrocytic enzymes in Plasmodium berghei induced malaria in mice. Nair CR, et al. **Indian J Med Res** 1984 Dec;80:627–31

Coproporphyrinogen oxidase activity and porphyrin concentrations in peripheral red blood cells in hereditary sideroblastic anaemia. Pasanen AV, et al. **Scand J Haematol** 1985 Mar;34(3):235–7

[Kinetic mechanisms of enzyme activity of the thromboxane synthetase system. Thromboxane synthetase of human platelets] Basevich VV, et al. **Biokhimiia** 1984 Sep; 49(9):1538–45 (Eng. Abstr.) **(Rus)**

[Enzymatic activity of blood donor leukocytes and changes in it during preservation] Ternovskiĭ LN, et al. **Gematol Transfuziol** 1984 Sep;29(9):17–8 (Eng. Abstr.) **(Rus)**

[Lymphocyte dehydrogenase activity in bone tissue regeneration] Osipenko AV, et al. **Ortop Travmatol Protez** 1984 Nov;(11):37–40 (Eng. Abstr.) **(Rus)**

[Effect of dosed physical loads on the status of redox processes in the bodies of sailors] Altukhov VG, et al. **Voen Med Zh** 1984 Nov;(11):44–7 **(Rus)**

[Determination of the serum enzyme and dehydrogenase activity of circulating lymphocytes during hemosorption in dietary hypercholesterolemia] Mikaelian NP. **Vopr Med Khim** 1985 Mar–Apr;31(2):30–3 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[Effect of gamma–irradiation on the enzyme activity of cerebrospinal fluid lymphocytes in dogs] Ushakov IB, et al. **Radiobiologiia** 1985 Jan–Feb;25(1):47–52 (Eng. Abstr.) **(Rus)**

DEFICIENCY

5 alpha–reductase deficiency: diagnosis via abnormal plasma levels of reduced testosterone derivatives. Corrall RJ, et al. **Acta Endocrinol (Copenh)** 1984 Dec;107(4):538–43

A review of the clinical presentation and laboratory findings in two uncommon hereditary disorders of sulfur amino acid metabolism, beta–mercaptolactate cysteine disulfideuria and sulfite oxidase deficiency. Crawhall JC. **Clin Biochem** 1985 Jun;18(3):139–42 (29 ref.)

Dihydropyrimidine dehydrogenase deficiency leading to thymine–uraciluria. An inborn error of pyrimidine metabolism. Berger R, et al. **Clin Chim Acta** 1984 Aug 31; 141(2–3):227–34

Urinary steroid metabolites in subjects with male pseudohermaphroditism due to 5 alpha–reductase deficiency. Peterson RE, et al. **Clin Endocrinol (Oxf)** 1985 Jul;23(1):43–53

CT scans of infants with glutaric aciduria [letter] Aicardi J, et al. **Dev Med Child Neurol** 1985 Jun;27(3):403–4

Deficient 5 alpha–reductase due to mutant enzyme with reduced affinity to steroid substrate. el Awady MK, et al. **Enzyme** 1984;32(2):116–25

Mitochondrial myopathy with lactic acidosis and deficient activity of muscle succinate cytochrome–c–oxidoreductase. Behbehani AW, et al. **Eur J Pediatr** 1984 Nov;143(1):67–71

Cerebro–hepato–renal (Zellweger) syndrome, adrenoleukodystrophy, and Refsum's disease: plasma changes and skin fibroblast phytanic acid oxidase. Poulos A, et al. **Hum Genet** 1985;70(2):172–7

Decreased urinary C19 and C21 steroid 5 alpha–metabolites in parents of male pseudohermaphrodites with 5 alpha–reductase deficiency: detection of carriers. Imperato–McGinley J, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):553–8

Partial androgen resistance associated with secondary 5 alpha–reductase deficiency: identification of a novel qualitative androgen receptor defect and clinical implications. Jukier L, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):679–88

High dose androgen therapy in male pseudohermaphroditism due to 5 alpha–reductase deficiency and disorders of the androgen receptor. Price P, et al. **J Clin Invest** 1984 Oct; 74(4):1496–508

L–carnitine therapy in isovaleric acidemia. Roe CR, et al. **J Clin Invest** 1984 Dec;74(6):2290–5

Glutaric aciduria type I presenting with hypoglycaemia. Dunger DB, et al. **J Inherited Metab Dis** 1984;7(3):122–4

Anatomo–pathological findings in a case of combined deficiency of sulphite oxidase and xanthine oxidase with a defect of molybdenum cofactor. Roth A, et al. **Virchows Arch [A]** 1985;405(3):379–86

[Deficiencies of the prostaglandin system: III. A partial thromboxane synthetase defect] Sinzinger H, et al. **Wien Klin Wochenschr** 1985 Jun 21;97(13):561–5 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

[The determination of oxalate in the urine by a new enzymatic method using oxalate oxidase] Nonomura M, et al. **Hinyokika Kiyo** 1985 Mar;31(3):397–405 (Eng. Abstr.) **(Jpn)**

GENETICS

Nucleotide sequence of the pyrD gene of Escherichia coli and characterization of the flavoprotein dihydroorotate dehydrogenase. Larsen JN, et al. **Eur J Biochem** 1985 Aug 15;151(1):59–65

Mercuric reductase structural genes from plasmid R100 and transposon Tn501: functional domains of the enzyme. Misra TK, et al. **Gene** 1985;34(2–3):253–62

Regulation of phenoxazinone synthase expression in Streptomyces antibioticus. Jones GH. **J Bacteriol** 1985 Sep; 163(3):1215–21

Regulation of expression of the ADE3 gene for yeast C1–tetrahydrofolate synthase, a trifunctional enzyme involved in one–carbon metabolism. Appling DR, et al. **J Biol Chem** 1985 Jan 25;260(2):1248–56

Nucleotide sequence and expression of the Escherichia coli dapB gene. Bouvier J, et al. **J Biol Chem** 1984 Dec 10; 259(23):14829–34

Activation of phenoxazinone synthase expression in Streptomyces lividans by cloned DNA sequences from Streptomyces antibioticus. Jones GH, et al. **J Biol Chem** 1984 Nov 25;259(22):14158–64

Molecular cloning and expression of the phenoxazinone synthase gene from Streptomyces antibioticus. Jones GH, et al. **J Biol Chem** 1984 Nov 25;259(22):14151-7

Acyl-Coa oxidase and hydratase-dehydrogenase, two enzymes of the peroxisomal beta-oxidation system, are synthesized on free polysomes of clofibrate-treated rat liver. Rachubinski RA, et al. **J Cell Biol** 1984 Dec; 99(6):2241-6

Familial gynecomastia with increased extraglandular aromatization of plasma carbon19-steroids. Berkovitz GD, et al. **J Clin Invest** 1985 Jun;75(6):1763-9

The DNA sequence of the mercury resistance operon of the IncFII plasmid NR1. Barrineau P, et al. **J Mol Appl Genet** 1984;2(6):601-19

Cloning of cDNA coding for peroxisomal acyl-CoA oxidase from the yeast Candida tropicalis pK233. Rachubinski RA, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):3973-7

ISOLATION & PURIFICATION

Purification of thiol:protein-disulfide oxidoreductase from bovine liver. Bjelland S, et al. **Anal Biochem** 1984 Nov 1;142(2):463-6

Characterization of delta 4-3-ketosteroid-5 beta-reductase and 3 beta-hydroxysteroid dehydrogenase in cell extracts of Clostridium innocuum. Stokes NA, et al. **Biochim Biophys Acta** 1985 Sep 11;836(2):255-61

Structure of enoate reductase from a Clostridium tyrobutyricum (C. spec. La1). Kuno S, et al. **Biol Chem Hoppe Seyler** 1985 May;366(5):463-72

Oxalate oxidase from banana peel for determination of urinary oxalate [letter] Raghavan KG, et al. **Clin Chem** 1985 Apr;31(4):649

The mitochondrial location of protoporphyrinogen oxidase. Deybach JC, et al. **Eur J Biochem** 1985 Jun 3;149(2):431-5

Purification of arogenate dehydrogenase from Phenylobacterium immobile. Mayer E, et al. **FEBS Lett** 1985 Jan 7;179(2):208-12

Purification and properties of thiosulfate reductase from Desulfovibrio vulgaris, Miyazaki F. Aketagawa J, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1025-32

Purification and some properties of rabbit liver cytosol thioltransferase. Hatakeyama M, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):893-7

Partial purification and characterization of lathosterol 5-desaturase from rat liver microsomes. Honjo K, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):955-9

The sexually differentiated delta 4-3-ketosteroid 5 beta-reductase of rat liver. Purification, characterization, and quantitation. Mode A, et al. **J Biol Chem** 1985 Jun 10;260(11):7137-41

Purification of oestrogen synthetase by high-performance liquid chromatography. Two membrane-bound enzymes from the human placenta. Muto N, et al. **J Chromatogr** 1985 Jun 19;326:137-46

Solubilization of human prostatic 5 alpha-reductase. Houston B, et al. **J Steroid Biochem** 1985 Apr;22(4):461-7

[Partial purification and characterization of delta 7-sterol 5-desaturase from rat liver microsomes] Honjo K. **Hokkaido Igaku Zasshi** 1984 Jul;59(4):439-45 (Eng. Abstr.) **(Jpn)**

METABOLISM

Trypanosoma (Schizotrypanum) cruzi: terminal oxidases in exponential and stationary growth phase emipastigotes cultured in vitro. de Maio A, et al. **Acta Cient Venez** 1984; 35(2):136-41

Enzymatic activity of activated sludge in biological treatment of wastewater containing dimethylamine, dimethylformamide and methylethylketone. Sztajer H, et al. **Acta Microbiol Pol** 1984;33(2):171-8

Alternatives in hepatoprotection: cytoprotection--influences on mono-oxidase system--free radical scavengers (a review). Pár A, et al. **Acta Physiol Hung** 1984; 64(3-4):409-23

Effect of hydrocortisone and desoxycorticosterone on some reductases, esterases and synthetases. Tancheva L, et al. **Acta Physiol Pharmacol Bulg** 1984;10(4):59-63

Effect of pH and temperature on four dehydrogenase enzymes of Haemonchus contortus. Kapur J, et al. **Acta Vet Hung** 1984;32(3-4):165-70

Continuous-flow assay for urinary oxalate using immobilised oxalate oxidase. Kasidas GP, et al. **Ann Clin Biochem** 1985 Jul;22 (Pt 4):412-9

Gonadotropic regulation of aromatase activity in the adult rat testis. Tsai-Morris CH, et al. **Ann NY Acad Sci** 1984; 438:666-9

Chorismate mutase-prephenate dehydrogenase from Escherichia coli: cooperative effects and inhibition by L-tyrosine. Christopherson RI. **Arch Biochem Biophys** 1985 Aug 1;240(2):646-54

Characterization of cucumber ascorbate oxidase and its reaction with hexacyanoferrate (II). Kawahara K, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):179-86

Estrogen synthetase stimulation by hemin in human choriocarcinoma cell culture. Bellino FL, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):232-8

Methylenetetrahydrofolate dehydrogenase-methenyltetrahydrofolate-cyclohydrolase-dro folate synthetase. Affinity labelling of the dehydrogenase-cyclohydrolase active site. Smith DD, et al. **Biochem Biophys Res Commun** 1985 Apr 16; 128(1):148-54

Adrenocortical cytochrome P-450 responsible for cholesterol side chain cleavage (P-450scc) is phosphorylated by the calcium-activated, phospholipid-sensitive protein kinase (protein kinase C). Vilgrain I, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):554-61

Guinea-pig liver testosterone 17 beta-dehydrogenase (NADP+) and aldehyde reductase exhibit benzene dihydrodiol dehydrogenase activity. Hara A, et al. **Biochem J** 1985 Jan 1;225(1):177-81

Solubilization of the alternative oxidase of cuckoo-pint (Arum maculatum) mitochondria. Stimulation by high concentrations of ions and effects of specific inhibitors. Kay CJ, et al. **Biochem J** 1985 Jun 1;228(2):309-18

Exhaustive laccase-catalysed oxidation of a lignin model compound (vanillyl glycol) produces methanol and polymeric quinoid products. Lundquist K, et al. **Biochem J** 1985 Jul 1;229(1):277-9

Hormonal control of intramitochondrial Ca2+-sensitive enzymes in heart, liver and adipose tissue. McCormack JG, et al. **Biochem Soc Trans** 1985 Aug;13(4):664-7

Mechanisms of enzymatic and acid-catalyzed decarboxylations of prephenate. Hermes JD, et al. **Biochemistry** 1984 Dec 4;23(25):6263-75

Chorismate mutase/prephenate dehydrogenase from Escherichia coli K12: purification, characterization, and identification of a reactive cysteine. Hudson GS, et al. **Biochemistry** 1984 Dec 4;23(25):6240-9

Structure-function correlation of fatty acyl-CoA dehydrogenase and fatty acyl-CoA oxidase. Rojas C, et al. **Biochemistry** 1985 Jun 4;24(12):2947-54

Mechanism of transfer of reduced nicotinamide adenine dinucleotide among dehydrogenases. Srivastava DK, et al. **Biochemistry** 1985 Jan 29;24(3):623-8

Pyrimidine catabolism: individual characterization of the three sequential enzymes with a new assay. Traut TW, et al. **Biochemistry** 1984 May 22;23(11):2533-9

Effect of sulfite on the energy metabolism of mammalian tissues in correlation to sulfite oxidase activity. Beck-Speier I, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):81-9

Effects of pH and detergent on the kinetic and electrochemical properties of the purified cytochrome d terminal oxidase complex of Escherichia coli. Lorence RM, et al. **Biochim Biophys Acta** 1984 Oct 23;790(2):148-53

Glycylglycyl-L-cysteine as a substrate for renal sulfhydryl oxidase (glutathione oxidase). Schmelzer CH, et al. **Biochim Biophys Acta** 1985 Feb 4;827(2):140-3

The specificity of biliverdin reductase. A study with different biliverdin types. Tomaro ML, et al. **Biochim Biophys Acta** 1984 Dec 21;791(3):350-6

Vitamin A and biochemical development. II. Effect of postnatal excess vitamin-A administration on the activity of pyridine nucleotide-linked dehydrogenases. Shukla RR, et al. **Biol Neonate** 1984;46(6):291-5

Human placental aromatase activity: use of a C18 reversed-phase cartridge for separation of tritiated water or steroid metabolites in placentas from both smoking and non-smoking mothers in vitro. Pasanen M. **Biol Res Pregnancy Perinatol** 1985;6(2):94-9

Distribution of thiol-protein disulfide oxidoreductase, insulin-glucagon proteinase and cathepsin D in different cell types of the rat liver. Ansorge S, et al. **Biomed Biochim Acta** 1984;43(11):1213-21

Phenacetin O-deethylase: an activity of a cytochrome P-450 showing genetic linkage with that catalysing the 4-hydroxylation of debrisoquine? Kahn GC, et al. **Br J Clin Pharmacol** 1985 Jul;20(1):67-76

Protoporphyrin accumulation by mitogen stimulated lymphocytes and protoporphyrinogen oxidase activity in patients with porphyria variegata and erythropoietic protoporphyria: evidence for deficiency of protoporphyrinogen oxidase and ferrochelatase in both diseases. Siepker LJ, et al. **Br J Haematol** 1985 May; 60(1):65-74

Folate enzymes in Ehrlich ascites carcinoma-bearing mice. Chmurzyńska W, et al. **Cancer Lett** 1984 Dec;25(2):217-24

Decreased NADH-oxidoreductase activities as an early response in rat liver to the carcinogen 2-acetylaminofluorene. Sun I, et al. **Cancer Res** 1985 Jan; 45(1):157-63

Steroid aromatase, 2-hydroxylase and COMT activity in gonadotropic cells of the African catfish, Clarias gariepinus. Goos HJ, et al. **Cell Biol Int Rep** 1985 Jun; 9(6):529

Chiral products from non-pyridine nucleotide-dependent reductases and methods for NAD(P)H regeneration. Simon H, et al. **Ciba Found Symp** 1985;111:97-111

Kinetic assay of gamma-glutamyltransferase with use of bilirubin oxidase as a coupled enzyme. Satomura S, et al. **Clin Chem** 1985 Aug;31(8):1380-3

Characterization of ethoxyresorufin O-de-ethylase in grey seal Halichoerus grypus. Addison RF, et al. **Comp Biochem Physiol [C]** 1984;79(2):261-3

Metabolism of alcohol and ketone by cytochrome P-450 oxygenase: fluoren-9-ol in equilibrium with fluoren-9-one. Chen C, et al. **Drug Metab Dispos** 1984 Jul-Aug; 12(4):421-6

The effects of activating peptides and proteins on the activity of reconstituted cholesterol desmolase systems. Greenfield NJ. **Endocr Res** 1984-85;10(3-4):563-83 (23 ref.)

Estrogen biosynthesis in human liver--a comparison of aromatase activity for C-19 steroids in fetal liver, adult liver and hepatoma tissues of human subjects. Yamamoto T, et al. **Endocrinol Jpn** 1984 Jun;31(3):277-81

Factors affecting the conversion of androstenedione to estrogens by human fetal hepatocytes in monolayer culture. Lanoux MJ, et al. **Endocrinology** 1985 Jul;117(1):361-8

Species differences in prostatic steroid 5 alpha-reductases of rat, dog, and human. Liang T, et al. **Endocrinology** 1985 Aug;117(2):571-9

Estrogen synthetase activity in human term placental cells in monolayer culture. Lobo JO, et al. **Endocrinology** 1985 Mar;116(3):889-95

Organizational effects of testosterone via aromatization on feminine reproductive behavior and neural progestin receptors in rat brain. Parsons B, et al. **Endocrinology** 1984 Oct;115(4):1412-7

Androgen aromatization and 5 alpha-reduction in ferret brain during perinatal development: effects of sex and testosterone manipulation. Tobet SA, et al. **Endocrinology** 1985 May;116(5):1869-77

Cellular localization of rat testicular aromatase activity during development. Tsai-Morris CH, et al. **Endocrinology** 1985 Jan;116(1):38-46

Gonadotropic regulation of aromatase activity in the adult rat testis. Tsai-Morris CH, et al. **Endocrinology** 1985 Jan; 116(1):31-7

Coenzymic activity of NADP derivatives alkylated at 2'-phosphate and 6-amino groups. Okuda K, et al. **Eur J Biochem** 1985 Mar 1;147(2):249-53

Purification and analysis of phospholipids in the inner mitochondrial membrane fraction of bovine corpus luteum, and properties of cytochrome P-450scc incorporated into vesicles prepared from these phospholipids. Tuckey RC, et al. **Eur J Biochem** 1985 Apr 15;148(2):379-84

Enzymatic activity of quinonoid dihydropterin reductase and tetrahydropterin content in human ocular tissues and senile cataracts. Rao GN, et al. **Exp Eye Res** 1985 Apr;40(4):601-7

The effect of 2,4,6-trinitrobenzenesulfonate on mercuric reductase, glutathione reductase and lipoamide dehydrogenase. Carlberg I, et al. **FEBS Lett** 1985 Jan 21; 180(1):102-6

Pyridoxal phosphate-induced dissociation of the succinate: ubiquinone reductase. Choudhry ZM, et al. **FEBS Lett** 1985 Mar 11;182(1):171-5

Evidence that human prostatic 5 alpha-reductase is located exclusively in the nucleus. Houston B, et al. **FEBS Lett** 1985 Jun 17;185(2):231-5

Dehydrogenase activity in Balantidium coli. III. Skotarczak B. **Folia Biol (Krakow)** 1984;32(1-2):47-50

Distribution of cell types and aromatase activity in the sculpin (Myoxocephalus) pituitary. Olivereau M, et al. **Gen Comp Endocrinol** 1985 May;58(2):280-90

Circadian rhythm of acid phosphatase activity in rat liver microsomes and dependence of NADH 5 alpha-reductase on phosphatase activity. Graef V, et al. **Hoppe Seylers Z Physiol Chem** 1984 Oct;365(10):1271-6

Increased peripheral aromatase activity in prepubertal children with partial androgen insensitivity syndrome. Chabab A, et al. **Horm Res** 1985;22(1-2):83-8

Analysis of androgen-5 alpha-reductase by an enzyme kinetic method. Herkner K, et al. **Horm Res** 1985;22(1-2):89-93

Alterations in some dehydrogenase profiles of sciatectomized toad gastrocnemius muscle-metabolic modifications by malate. Prasad GV, et al. **Indian J Physiol Pharmacol** 1984 Jul-Sep;28(3):227-30

Cytokineplasts from human blood polymorphonuclear leukocytes. Lack of oxidase activity and extended functional longevity. Malawista SE, et al. **Inflammation** 1985 Mar;9(1):99-106

The effect of calcium on cholesterol side-chain-cleavage enzyme in superovulated rat ovaries. Klinken SP, et al. **Int J [illegible]chem** 1985;17(6):745-8

Defects [illegible] cortisol-metabolizing enzymes in primary open-angle glaucoma. Weinstein BI, et al. **Invest Ophthalmol Vis Sci** 1985 Jun;26(6):890-3

Dimethyl sulfoxide reductase activity by anaerobically grown Escherichia coli HB101. Bilous PT, et al. **J Bacteriol** 1985 Jun;162(3):1151-5

Partial purification and characterization of glutaryl-coenzyme A dehydrogenase, electron transfer flavoprotein, and electron transfer flavoprotein-Q oxidoreductase from Paracoccus denitrificans. Husain M, et al. **J Bacteriol** 1985 Aug;163(2):709-15

Acetate catabolism by Methanosarcina barkeri: evidence for involvement of carbon monoxide dehydrogenase, methyl coenzyme M, and methylreductase. Krzycki JA, et al. **J Bacteriol** 1985 Sep;163(3):1000-6

Ferric iron reductase of Rhodopseudomonas sphaeroides. Moody MD, et al. **J Bacteriol** 1985 Sep;163(3):1120-5

Carbon monoxide-dependent methyl coenzyme M methylreductase in acetotrophic Methosarcina spp. Nelson MJ, et al. **J Bacteriol** 1984 Nov;160(2):526-32

Studies on the mode of action of sterol carrier protein in the dehydrogenation of 5-cholest-7-en-3 beta-ol. Burton P, et al. **J Biol Chem** 1985 Jun 25;260(12):7289-94

Reconstitution of the Ubiquinone-dependent pyruvate oxidase system of Escherichia coli with the cytochrome o terminal oxidase complex. Carter K, et al. **J Biol Chem** 1985 Sep 15;260(20):10986-90

Modulation of epididymal delta 4-steroid 5 alpha-reductase activity in vitro by the phospholipid environment. Cooke GM, et al. **J Biol Chem** 1985 Jun 25;260(12):7489-95

Post-translational import of fatty acyl-CoA oxidase and catalase into peroxisomes of rat liver in vitro. Fujiki Y, et al. **J Biol Chem** 1985 May 10;260(9):5603-9

Characterization of a sulfite reductase from Desulfovibrio vulgaris. Evidence for the presence of a low-spin siroheme and an exchange-coupled siroheme-[4Fe-4S] unit. Huynh BH, et al. **J Biol Chem** 1984 Dec 25;259(24):15373-6

Microsomal enzymes of cholesterol biosynthesis from lanosterol. Purification and characterization of delta 7-sterol 5-desaturase of rat liver microsomes. Kawata S, et al. **J Biol Chem** 1985 Jun 10;260(11):6609-17

Purification and characterization of the 2-methyl branched-chain Acyl-CoA dehydrogenase, an enzyme involved in NADH-dependent enoyl-CoA reduction in anaerobic mitochondria of the nematode, Ascaris suum. Komuniecki R, et al. **J Biol Chem** 1985 Apr 25; 260(8):4770-7

Photoaffinity labeling of steroid 5 alpha-reductase of rat liver and prostate microsomes. Liang T, et al. **J Biol Chem** 1985 Apr 25;260(8):4890-5

Radiometric analysis of oxidative reactions in aromatization by placental microsomes. Presence of differential isotope effects. Miyairi S, et al. **J Biol Chem** 1985 Jan 10; 260(1):320-5

Microsomal enzymes of cholesterol biosynthesis from lanosterol. Characterization, solubilization, and partial purification of NADPH-dependent delta 8,14-steroid 14-reductase. Paik YK, et al. **J Biol Chem** 1984 Nov 10; 259(21):13413-23

The reaction between NADPH and mercuric reductase from Pseudomonas aeruginosa. Sahlman L, et al. **J Biol Chem** 1984 Oct 25;259(20):12403-8

Complex I binds several mitochondrial NAD-coupled dehydrogenases. Sumegi B, et al. **J Biol Chem** 1984 Dec 25;259(24):15040-5

C1-Tetrahydrofolate synthase from rabbit liver. Structural and kinetic properties of the enzyme and its two domains. Villar E, et al. **J Biol Chem** 1985 Feb 25;260(4):2245-52

Rat liver 3-oxo-5 alpha-steroid delta 4-dehydrogenase. Modulation of enzyme activity by changes in phosphorylation state. Golf SW, et al. **J Clin Chem Clin Biochem** 1984 Nov;22(11):705-9

Effects of aging and obesity on aromatase activity of human adipose cells. Cleland WH, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):174-7

Changes in aromatase activity in small ovarian follicles of the domestic fowl (Gallus domesticus) during growth and atresia. Armstrong DG. **J Endocrinol** 1985 Jun; 105(3):297-301

The role of neonatal and pubertal gonadal hormones in regulating the sex dependence of the hepatic microsomal testosterone 5-reductase activity in the rat. Pak RC, et al. **J Endocrinol** 1985 Jul;106(1):71-9

Mercuric reductase enzymes from Streptomyces species and group B Streptococcus. Nakahara H, et al. **J Gen Microbiol** 1985 May;131 (Pt 5):1053-9

Glutaric acidaemia type II (multiple acyl-CoA dehydrogenation deficiency). Goodman SI, et al. **J Inherited Metab Dis** 1984;7 Suppl 1:33-7

Inability of second trimester human amniotic fluid cell cultures to aromatize C19-steroids. O'Shannessy DJ, et al. **J Inherited Metab Dis** 1985;8(1):25-32

Mode of action of steroid desmolase and reductases synthesized by Clostridium 'scindens' (formerly Clostridium strain 19). Winter J, et al. **J Lipid Res** 1984 Oct;25(10):1124-31

Oxidation of rotenone by Polyporus anceps laccase. Sariaslani FS, et al. **J Nat Prod** 1984 Jul-Aug;47(4):692-7

Effects of varying dietary iron on the expression of copper deficiency in the growing rat: anemia, ferroxidase I and II, tissue trace elements, ascorbic acid, and xanthine dehydrogenase. Cohen NL, et al. **J Nutr** 1985 May; 115(5):633-49

Studies on cis-trans isomerization of nitrofuran derivatives by bacterial nitroreductases. Koga N, et al. **J Pharmacobiodyn** 1984 Aug;7(8):570-6

A comparative study on 1-nitropyrene and nitrofurazone reductases in Escherichia coli. Narai N, et al. **J Pharmacobiodyn** 1984 Jun;7(6):407-13

Oxygen dependence of oestrogen production by human placental microsomes and cultured choriocarcinoma cells. Aw TY, et al. **J Steroid Biochem** 1985 Jun;22(6):753-8

Pituitary progesterone 5 alpha-reductase: solubilization and partial characterization. Bertics PJ, et al. **J Steroid Biochem** 1985 Jun;22(6):795-802

Enzymatic androgen assay: some properties of human placental microsomal aromatase. Chikhaoui Y, et al. **J Steroid Biochem** 1985 Jun;22(6):727-31

Stereochemistry of 1,2-hydrogen loss during aromatization in the brain. Hahn EF, et al. **J Steroid Biochem** 1985 May; 22(5):597-600

5 Alpha-reductase and 3 alpha-hydroxysteroid dehydrogenase activities in isolated canine prostatic epithelial cells. McKercher G, et al. **J Steroid Biochem** 1984 Nov;21(5):549-54

Deficiency of 5 alpha-steroid formation in guinea pig ovaries compared with immature rat and hamster ovaries. Nagareda T, et al. **J Steroid Biochem** 1984 Oct;21(4):477-8

The effect of spironolactone on genital skin 5 alpha-reductase activity. Serafini PC, et al. **J Steroid Biochem** 1985 Aug; 23(2):191-4

Effects of hyperprolactinemia on activities of 17-hydroxylase, 17 beta-ol-dehydrogenase and 5 alpha-reductase in neonatally grafted and host testes in mice. Takeyama M, et al. **J Steroid Biochem** 1985 Jun; 22(6):837-42

5 Alpha- and 5 beta-reductases for 4-ene-3-ketosteroids and 17 beta-ol-dehydrogenase in epididymis and testis of golden hamster during sexual development. Tsuji M, et al. **J Steroid Biochem** 1984 Aug;21(2):179-83

Hormonal regulation of activities of 4-ene-5 beta- and 5 alpha-reductases and 17 beta-hydroxy-dehydrogenase in immature golden hamster testis. Yabumoto H, et al. **J Steroid Biochem** 1985 Apr;22(4):495-9

Aromatization of androstenedione by normal and neoplastic endometrium of the uterus. Yamaki J, et al. **J Steroid Biochem** 1985 Jan;22(1):63-6

Squalene synthetase. Agnew WS. **Methods Enzymol** 1985; 110:359-73

Enzymatic reduction of methionine sulfoxide residues in proteins and peptides. Brot N, et al. **Methods Enzymol** 1984; 107:352-60

Formation of 12-cis-dehydrosqualene catalyzed by squalene synthetase. Nishino T, et al. **Methods Enzymol** 1985; 110:373-5

Relation between thyroid peroxidase, H2O2 generating system and NADPH-dependent reductase activities in thyroid particulate fractions. Michot JL, et al. **Mol Cell Endocrinol** 1985 Jul;41(2-3):211-21

Specificity of the direct effect of an LHRH agonist on testicular 17-hydroxylase but not on 5 alpha-reductase activity in hypophysectomized adult rats. Tremblay Y, et al. **Mol Cell Endocrinol** 1985 Apr;40(1):33-40

Lactobacillus feeding alters human colonic bacterial enzyme activities. **Nutr Rev** 1984 Nov;42(11):374-6

Electrostatic influence on energetics of electron transfer reactions. Rees DC. **Proc Natl Acad Sci USA** 1985 May; 82(10):3082-5

Improvement in soluble dehydrogenase histochemistry by nitroblue tetrazolium preuptake in sections: a qualitative and quantitative study. Chieco P, et al. **Stain Technol** 1984 Jul;59(4):201-11

Study of the direct effect of LHRH agonist on testicular 17-hydroxylase and 5 alpha-reductase activities in non-hypophysectomized adult rats treated with an anti-luteinizing hormone serum. Carmichael R, et al. **Steroids** 1984 Jan;43(1):1-12

The effect of five synthetic progestational compounds on 5 alpha-reductase activity in genital skin fibroblast monolayers. Dean HJ, et al. **Steroids** 1984 Jan;43(1):13-24

Effect of allylisopropylacetamide and Sedormid on enzymes of steroid metabolism in rat liver. Graef V, et al. **Steroids** 1984 Sep;44(3):267-73

The C17,20-lyase, 17 alpha-hydroxylase and aromatase activity in rat ovarian granulosa cells stimulated in vivo by gonadotropins. Johnson DC, et al. **Steroids** 1983 Nov; 42(5):565-74

Cholesterol side-chain cleavage activity in human placenta and bovine adrenals: an one-step method for separation of pregnenolone formed in vitro. Pasanen M, et al. **Steroids** 1984 May;43(5):517-27

Hemoglobin-degrading enzymes in experimental subcutaneous hematomas. Laiho K, et al. **Z Rechtsmed** 1984;93(3):193-8

[Changes in dehydrogenase and aminotransferase activity in the serum and brain of rats adapted to repeated normobaric hypoxia] Trojan S, et al. **Sb Lek** 1984 Jul;86(7):193-201 (Eng. Abstr.) **(Cze)**

[Comparison of 2 systems for identifying nonfermenting or fermenting oxidase-positive gram-negative bacilli] Freney J, et al. **Ann Biol Clin (Paris)** 1984;42(5):337-41 (Eng. Abstr.) **(Fre)**

[Markers of hormonal receptors. A new step in molecular biology] Mauvais-Jarvis P, et al. **Pathol Biol (Paris)** 1984 Nov;32(9):917-20 **(Fre)**

[The effect of dietary lipids on microsomal electron transport proteins in the rat] Domke I, et al. **Ann Nutr Metab** 1984; 28(5):261-7 (Eng. Abstr.) **(Ger)**

[Enzyme differentiation in the visceral yolk sac epithelium of the rat] Gass P, et al. **Z Mikrosk Anat Forsch** 1984; 98(5):721-45 (Eng. Abstr.) **(Ger)**

[Serum L-DOPA oxidase activity in patients with malignant cutaneous melanoma] Lukács L, et al. **Orv Hetil** 1984 Oct 7;125(41):2483-6 (Eng. Abstr.) **(Hun)**

[Metronidazole-inactivating activity of cell-free extracts of Streptococcus faecalis] Narikawa S, et al. **Nippon Saikingaku Zasshi** 1985 Mar;40(2):501-9 (Eng. Abstr.) **(Jpn)**

[Substrate specificity of bilirubin oxidase and phenol oxidase--coloration reaction against benzoic acid derivatives] Murao S, et al. **Yakugaku Zasshi** 1985 Jan; 105(1):86-90 (Eng. Abstr.) **(Jpn)**

[Interdependence of mycelial dehydrogenase activity in Streptomyces aureofaciens and its capacity for tetracycline biosynthesis] Novikova LM, et al. **Antibiotiki** 1984 Oct; 29(10):735-40 (Eng. Abstr.) **(Rus)**

[Effect of corticotropin on the dehydrogenase activity of cells and tissues] Korkach VI, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):45-8 (Eng. Abstr.) **(Rus)**

[Quantitative changes in liver dehydrogenase activity during temporary ischemia of the extremities and in the postischemic period] Mishnev OD, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):22-4 (Eng. Abstr.) **(Rus)**

[Dissociative model of the thermoinactivation of NAD-dependent hydrogenase] Popov VO, et al. **Dokl Akad Nauk SSSR** 1985;281(3):735-7 **(Rus)**

[Catalytic dimorphism of soluble succinate : ubiquinone reductase] Tushurashvili PR, et al. **Dokl Akad Nauk SSSR** 1985;281(5):1261-5 **(Rus)**

[Nonspecific oxidase activity in the liver of rats undergoing chemotherapy with cis-dichlorodiammineplatinum] Kulik GI, et al. **Eksp Onkol** 1984;6(6):60-3 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on the oxidation of substrates in the Krebs cycle] Korkach VI, et al. **Fiziol Zh** 1985 May-Jun;31(3):306-12 (Eng. Abstr.) **(Rus)**

[Histoenzymatic changes in the lungs of albino rats after exposure to sandy shale dust] Iulish NR, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):21-4 (Eng. Abstr.) **(Rus)**

[Enzyme shifts in peripheral blood leukocytes in pneumonia and acute respiratory virus infections] Komissarova IA, et al. **Klin Med (Mosk)** 1984 Jul;62(7):79-82 (Eng. Abstr.) **(Rus)**

[Effect of chlorophyllypt phonophoresis on the dehydrogenase activity of the corneal anterior epithelium in alkali burns] Moiseeva NN. **Oftalmol Zh** 1984;(4):232-4 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on oxygen tension, cerebral blood flow and respiratory enzyme activity in the cerebral hemispheres and brain stem during ischemia] Novikova LA, et al. **Patol Fiziol Eksp Ter** 1984 Nov-Dec; (6):69-72 (Eng. Abstr.) **(Rus)**

[The effect of x-rays on the level, composition and para-nitroanisole-o-demethylase activity of cytochrome P-450 in the liver microsomes of rats] Deev LI, et al. **Radiobiologiia** 1984 Sep-Oct;24(5):612-5 (Eng. Abstr.) **(Rus)**

[Dehydrogenase activity of pentose and glucuronate pathways of glucose utilization in the rat brain during single and repeated cooling] Volzhina NG. **Ukr Biokhim Zh** 1985 Jan-Feb;57(1):67-70 (Eng. Abstr.) **(Rus)**

[The effect of smoking on the cytochrome and oxidase system of the cardiac muscle] Gvozdjáková A, et al. **Bratisl Lek Listy** 1985 Jan;83(1):10-5 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Nitroreductase-dependent mutagenicity of p-nitrophenylhydroxylamine and its N-acetyl and N-formyl hydroxamic acids. Corbett MD, et al. **Carcinogenesis** 1985 May;6(5):727-32

PHYSIOLOGY

Self-suppression of corticosteroidogenesis: evidence for a role of adrenal 5 alpha-reductase. Carsia RV, et al. **Endocrinology** 1984 Dec;115(6):2464-72

[Copper and copper enzymes] Machoy Z, et al. **Pol Tyg Lek** 1984 Apr 9;39(15):527-30 (26 ref.) **(Pol)**

OXIDOREDUCTASES, N-DEMETHYLATING

A new enzymatic serum creatinine measurement based on an endogenous creatine-eliminating system. Suzuki M, et al. **Clin Chim Acta** 1984 Nov 15;143(2):147-55

Molecular structure of trimethylamine dehydrogenase from the bacterium W3A1 at 6.0-A resolution. Lim LW, et al. **J Biol Chem** 1984 Dec 10;259(23):14458-62

ANALYSIS

Effects of pyrazole on nitrosodimethylamine demethylase and other microsomal xenobiotic metabolising activities. Craft JA. **Biochem Pharmacol** 1985 May 1;34(9):1507-13

Factors influencing the activity of dimethylnitrosamine demethylase in hamster, rat and chicken liver microsomes. Prasanna HR, et al. **Cancer Lett** 1985 Feb;26(1):25-32

Localization and identification of covalently bound flavoproteins in rat liver mitochondria by prelabeling of their flavin moiety. Sato M, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):553-62

Renal microsomal N-nitrosodimethylamine demethylase determined by a sensitive radiometric method. Ohno Y, et al. **J Pharmacobiodyn** 1984 Nov;7(11):872-82

[Effect of molybdenum on the activity of cytochrome P-450 and demethylase in the liver of rats] Lu SX. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):257-9 (Eng. Abstr.) **(Chi)**

ANTAGONISTS & INHIBITORS

Differential haemin-mediated restoration of cytochrome P-450 N-demethylases after inactivation by allylisopropylacetamide. Bornheim LM, et al. **Biochem J** 1985 Apr 1;227(1):277-86

Inhibition of rabbit nasal and hepatic cytochrome P-450-dependent hexamethylphosphoramide (HMPA) N-demethylase by methylenedioxyphenyl compounds. Dahl AR, et al. **Biochem Pharmacol** 1985 Mar 1;34(5):631-6

Haloacetonitrile excretion as thiocyanate and inhibition of dimethylnitrosamine demethylase: a proposed metabolic scheme. Pereira MA, et al. **J Toxicol Environ Health** 1984; 13(4-6):633-41

BIOSYNTHESIS

Correlation of hepatic cytosolic androgen binding proteins with androgen induction of hepatic microsomal ethylmorphine N-demethylase in the rat. Rumbaugh RC, et al. **J Steroid Biochem** 1984 Sep;21(3):243-52

Selective induction and inhibition of liver and lung cytochrome P-450-dependent monooxygenases by the PCBs mixture, Aroclor 1016. Ueng TH, et al. **Toxicology** 1985 May;35(2):83-94

GENETICS

Natural variation in the expression of cytochrome P-450 and dimethylnitrosamine demethylase in Drosophila. Waters LC, et al. **Biochem Biophys Res Commun** 1984 Sep 28; 123(3):907-13

ISOLATION & PURIFICATION

Activation studies by phospholipids on the purified cytochrome c4:o oxidase of Azotobacter vinelandii. Wong TY, et al. **J Bioenerg Biomembr** 1984 Dec;16(5-6):477-89

Identification of the covalently bound flavin of dimethylglycine dehydrogenase and sarcosine dehydrogenase from rat liver mitochondria. Cook RJ, et al. **J Biol Chem** 1984 Oct 25;259(20):12475-80

METABOLISM

Covalent binding of folic acid to dimethylglycine dehydrogenase. Wagner C, et al. **Arch Biochem Biophys** 1984 Sep;233(2):457-61

Nature of N-nitrosodimethylamine demethylase in hepatic microsomes of rats. Kawanishi T, et al. **Arch Toxicol** 1984 Nov;56(1):7-11

Amino acid sequence around the covalently-bound flavin prosthetic group of Corynebacterium sarcosine oxidase. Shiga Y, et al. **Biochem Int** 1983 Jun;6(6):737-42

Hymenoxon: biologic and toxic effects. Merrill J, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3383-6

Properties and catalytic function of the two nonequivalent flavins in sarcosine oxidase. Jorns MS. **Biochemistry** 1985 Jun 18;24(13):3189-94

Characterization of sheep liver and lung microsomal ethylmorphine N-demethylase. Arinç E. **Comp Biochem Physiol [B]** 1985;80(2):389-99

TMAO-ase activity in tissues of fish species from the Northeast Atlantic. Rehbein H, et al. **Comp Biochem Physiol [B]** 1984;79(3):447-52

Kinetics of meperidine N-demethylation in the perfused rat liver preparation. Babiak LM, et al. **Drug Metab Dispos** 1984 Nov-Dec;12(6):698-704

Hepatic microsomal enzymes in Schistosoma mansoni-infected mice: I. Effect of duration of infection and lindane administration on dimethylnitrosamine demethylases. Mostafa MH, et al. **Environ Res** 1984 Oct; 35(1):154-9

Metabolism of nitrosamines by cytochrome P-450 isozymes. Yang CS, et al. **IARC Sci Publ** 1984;(57):423-8

Metabolism of methamphetamine, amphetamine and p-hydroxymethamphetamine by rat-liver microsomal preparations in vitro. Yamamoto T, et al. **Xenobiotica** 1984 Nov;14(11):867-75

OXIDOREDUCTASES, O-DEMETHYLATING see under **OXIDOREDUCTASES**

OXIDOREDUCTASES, NADH, NADPH see **NADH, NADPH OXIDOREDUCTASES**

OXIMES

Oxime formation between alpha-keto acids and L-canaline. Cooper AJ. **Arch Biochem Biophys** 1984 Sep;233(2):603-10

[Direct reactions of pyridinium oximes with organophosphorus compounds] Markov V, et al. **Arh Hig Rada Toksikol** 1984 Sep;35(3):263-8 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Comparison of the (pro)convulsive properties of fluvoxamine and clovoxamine with eight other antidepressants in an animal model. Krijzer F, et al. **Neuropsychobiology** 1984; 12(4):249-54

[Peripheral neuropathy during treatment with nadoxolol (letter)] Mussini JM. **Presse Med** 1985 Mar 30;14(13):748 **(Fre)**

BLOOD

[Spectrophotometric determination of Toxogonin in the urine and blood] Burger N, et al. **Arh Hig Rada Toksikol** 1984 Mar;35(1):11-5 (Eng. Abstr.) **(Scr)**

CHEMICAL SYNTHESIS

Reactivators of organophosphate-inhibited cholinesterase. 4-cycloalkylcarbonyl substituted bis-pyridinium monooximes. Maksimović M, et al. **Arch Toxicol** 1984 Sep; 55(3):199-202

Synthesis and beta-adrenergic blocking activity of new aliphatic and alicyclic oxime ethers. Bouzoubaa M, et al. **J Med Chem** 1984 Oct;27(10):1291-4

DIAGNOSTIC USE

99mTc-propylene amine oxime (99mTc-PnAO); a potential brain radiopharmaceutical. Volkert WA, et al. **Eur J Nucl Med** 1984;9(11):511-6

The behavior of neutral amine oxime chelates labelled with Tc at tracer level. Volkert WA, et al. **Int J Nucl Med Biol** 1984;11(3-4):243-6

Regular cerebral blood flow mapping with 99mTc-labelled compound [letter] Ell PJ, et al. **Lancet** 1985 Jul 6; 2(8445):50-1

PHARMACODYNAMICS

The reactivation by oximes of phosphonylated acetylcholinesterase: the possible erroneous interpretation of reactivating potency. Harvey B, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3499-501

Allosteric interactions between muscarinic agonist binding sites and effector sites demonstrated by the use of bisquaternary pyridinium oximes. Kloog Y, et al. **Life Sci** 1985 Jun 3;36(22):2127-36

THERAPEUTIC USE

A double-blind comparison of fluvoxamine, imipramine and placebo in depressed patients. Norton KR, et al. **J Affective Disord** 1984 Dec;7(3-4):297-308

A double-blind placebo-controlled study of fluvoxamine and imipramine in depression. Dominguez RA, et al. **J Clin Psychiatry** 1985 Mar;46(3):84-7

A double-blind comparison of clovoxamine and amitriptyline in the treatment of depressed outpatients. Gelenberg AJ, et al. **J Clin Psychopharmacol** 1985 Feb;5(1):30-4

[Action of clovoxamine on the sleep of depressed patients. 'Polygraphic recordings'] Minot R, et al. **Encephale** 1985 Mar-Apr;11(2):65-70 (Eng. Abstr.) **(Fre)**

URINE

[Spectrophotometric determination of Toxogonin in the urine and blood] Burger N, et al. **Arh Hig Rada Toksikol** 1984 Mar;35(1):11-5 (Eng. Abstr.) **(Scr)**

OXIMETRY

The use of surface oximetry to assess bowel viability. Locke R, et al. **Arch Surg** 1984 Nov;119(11):1252-6

Superiority of radionuclide over oximetric measurement of left to right shunts. Baker EJ, et al. **Br Heart J** 1985 May; 53(5):535-40

Pulse oximetry in pediatric intensive care: comparison with measured saturations and transcutaneous oxygen tension. Fanconi S, et al. **J Pediatr** 1985 Sep;107(3):362-6

INSTRUMENTATION

Pulse oximetry during pulmonary artery surgery. Friesen RH. **Anesth Analg** 1985 Mar;64(3):376

Infrared heat lamps interfere with pulse oximeters [letter] Brooks TD, et al. **Anesthesiology** 1984 Nov;61(5):630

Respiratory monitoring for children undergoing radiation therapy [letter] Glaser R, et al. **Anesthesiology** 1985 Jul; 63(1):123-4

Noninvasive detection of profound arterial desaturations using a pulse oximetry device. Mihm FG, et al. **Anesthesiology** 1985 Jan;62(1):85-7

Noninvasive monitoring of blood gases in the newborn. Peabody JL, et al. **Clin Perinatol** 1985 Feb;12(1):147-60

Evaluation of light-emitting diodes for whole blood oximetry. Shepherd AP, et al. **IEEE Trans Biomed Eng** 1984 Nov;31(11):723-5

Automatic detection at the polygraph of malposition of the Hewlett-Packard ear oximeter [letter] Lucas EA, et al. **Sleep** 1984;7(3):272-3

[Evaluation of palmar collateral circulation with the Oxygenmet oxygen saturation measurement device] Bechstein WO, et al. **Anasth Intensivther Notfallmed** 1984 Dec;19(6):312-3 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of continuous monitoring of mixed venous oxygen saturation in critically ill patients] Aishima K, et al. **Fukuoka Igaku Zasshi** 1984 Jul;75(7):445-52 **(Jpn)**

METHODS

Continuous measurement of oxygen consumption in fetal sheep. Block BS, et al. **Am J Obstet Gynecol** 1984 Oct 15;150(4):406-8

Pulse oximetry during one-lung ventilation. Brodsky JB, et al. **Anesthesiology** 1985 Aug;63(2):212-4

The continuous measurement of mixed venous oxygen saturation [letter] Harpin RP, et al. **Chest** 1985 Jun; 87(6):845

A microcomputer system for monitoring and analysing oxyhemoglobin saturation during sleep. Evans RJ, et al. **Comput Programs Biomed** 1984;18(3):227-34

Clinical evaluation of a new finger oximeter. Kim SK, et al. **Crit Care Med** 1984 Oct;12(10):910-2

A technique to continuously measure arteriovenous oxygen content difference and P50 in vivo. Brown EG, et al. **J Appl Physiol** 1985 Apr;58(4):1383-9

Effects of multiple scattering and peripheral circulation on arterial oxygen saturation measured with a pulse-type oximeter. Shimada Y, et al. **Med Biol Eng Comput** 1984 Sep;22(5):475-8

The relationship of transcutaneous PO2 and laser Doppler measurements in a human model of local arterial insufficiency. Matsen FA 3d, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):418-22

[Transcutaneous measurement of oxygen tension in newborn infants] Fetter WP, et al. **Ned Tijdschr Geneeskd** 1984 Dec 8;128(49):2293-7 (Eng. Abstr.) **(Dut)**

STANDARDS

Accuracy of two ear oximeters at rest and during exercise in pulmonary patients. Ries AL, et al. **Am Rev Respir Dis** 1985 Sep;132(3):685-9

OXISURAN see under **PYRIDINES**

3-OXOACYL (ACYL CARRIER PROTEIN) SYNTHASE see under **ACYLTRANSFERASES**

OXOGLUTARATES see **KETOGLUTARIC ACIDS**

OXOLINIC ACID

ADVERSE EFFECTS

Fine structural changes during reparative phase of canine drug-induced arthropathy. Gough AW, et al. **Vet Pathol** 1985 Jan;22(1):82-4

PHARMACODYNAMICS

The spacing of Escherichia coli DNA gyrase sites cleaved in vivo by treatment with oxolinic acid and sodium dodecyl sulfate. Béjar S, et al. **Biochimie** 1984 Nov-Dec; 66(11-12):693-700

Cross resistance of quinolone derivatives in gram-negative bacteria. Barba D, et al. **Chemioterapia** 1985 Apr;4(2):192-6

The enrichment and early detection of Streptococcus pyogenes in skin lesions, using colistin, oxolinic acid, Todd Hewitt broth and latex agglutination. Petts DN. **J Appl Bacteriol** 1984 Dec;57(3):479-83

Colistin-oxolinic acid blood agar: a selective medium for the isolation of Gardnerella vaginalis. Thompson JS. **J Clin Microbiol** 1985 May;21(5):843

Sites of reaction of Escherichia coli DNA gyrase on pBR322 in vivo as revealed by oxolinic acid-induced plasmid linearization. Lockshon D, et al. **J Mol Biol** 1985 Jan 5; 181(1):63-74

Mapping of DNA gyrase cleavage sites in vivo oxolinic acid induced cleavages in plasmid pBR322. O'Connor MB, et al. **J Mol Biol** 1985 Feb 20;181(4):545-50

THERAPEUTIC USE

Microbiological and clinical examinations supporting the effectivity of oxolinic acid (Gramurin) in the treatment of acute enterocolitis. Bán E, et al. **Ther Hung** 1982; 30(1):35-41

OXONIC ACID see under **TRIAZINES**

6-OXO-PGF1 ALPHA see **6-KETOPROSTAGLANDIN F1 ALPHA**

6-OXOPROSTAGLANDIN F1 ALPHA see **6-KETOPROSTAGLANDIN F1 ALPHA**

17-OXOSTEROIDS see **17-KETOSTEROIDS**

OXOSUCCINATES see **OXALOACETATES**

OXOTREMORINE

Quantitative analysis of drug-induced tremor in mice. Shinozaki H. **Neurosci Res** 1984 Dec;2(1-2):63-76

ADVERSE EFFECTS

Cholinergic agents: antinociception without morphine type dependence in rats. Widman M, et al. **Life Sci** 1985 May 27;36(21):2007-15

ANALOGS & DERIVATIVES

Structural requirements for muscarinic receptor occupation and receptor activation by oxotremorine analogs in the guinea-pig ileum. Ringdahl B. **J Pharmacol Exp Ther** 1985 Jan;232(1):67-73

The conversion of 2-chloroalkylamine analogues of oxotremorine to aziridinium ions and their interactions with muscarinic receptors in the guinea pig ileum. Ringdahl B, et al. **Mol Pharmacol** 1984 Sep;26(2):170-9

Biological activity of new phosphorylated analogues of oxotremorine. Corbel B, et al. **Pharmacol Res Commun** 1984 Sep;16(9):885-97

ANTAGONISTS & INHIBITORS

Effect of beta-adrenergic blocking agents, with differing ancillary properties on oxotremorine induced tremor in mice. Alkondon M, et al. **Indian J Exp Biol** 1984 Jul; 22(7):382-3

Oxotremorine-induced cholinergic syndrome: modifications by levodopa and/or oral cytidine diphosphocholine. Saligaut C, et al. **Methods Find Exp Clin Pharmacol** 1985 Jan;7(1):5-8

PHARMACODYNAMICS

Cholinergic drug effects and brain muscarinic receptor binding in aged rats. Pedigo NW Jr, et al. **Neurobiol Aging** 1984 Fall;5(3):227-33

Meptazinol cross-tolerance studies between morphine or oxotremorine. Bensreti MM, et al. **Neuropeptides** 1984 Dec; 5(1-3):33-6

Tolerance, cross-tolerance, and receptors after chronic nicotine or oxotremorine. Marks MJ, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):283-91

OXPRENOLOL

ADMINISTRATION & DOSAGE

Oros drug delivery systems for the beta-adrenoreceptor antagonists oxprenolol and metoprolol. **Br J Clin Pharmacol** 1985;19 Suppl 2:63S-249S

Osmotic delivery systems for the beta-adrenoceptor antagonists metoprolol and oxprenolol: design and evaluation of systems for once-daily administration. Theeuwes F, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:69S-76S

Captopril and oxprenolol in a fixed combination with thiazide diuretics: comparison of their antihypertensive efficacy and metabolic effects. Costa FV, et al. **Clin Ther** 1984; 6(5):708-18

The efficacy of indapamide in hypertensive patients failing to respond to a beta-blocker alone. O'Boyle CP, et al. **Methods Find Exp Clin Pharmacol** 1984 Aug;6(8):465-9

[Slow-release oxprenolol and chlortalidone administered once daily in essential hypertension] Rossi A, et al. **Minerva Cardioangiol** 1984 Dec;32(12):949-62 (Eng. Abstr.) **(Ita)**

[Hypotensive effect of delayed-action oxprenolol and chlorthalidone in combined form in patients with primary arterial hypertension] Cybulska I, et al. **Pol Tyg Lek** 1984 Apr 9;39(15):501-3 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Oxprenolol-induced life-threatening bronchospasm [letter] Broquetas J, et al. **Chest** 1985 Apr;87(4):555-6

ANALYSIS

[Simultaneous determination of oxprenolol and chlorthalidone in pharmaceutical preparations with derivative spectrophotometry] Vetuschi C, et al. **Farmaco [Prat]** 1985 Jul;40(7):215-24 (Eng. Abstr.) **(Ita)**

BLOOD

Simultaneous determination of oxprenolol and 2H6-labelled oxprenolol in human plasma by gas chromatography/mass spectrometry. Gaudry D, et al. **Biomed Mass Spectrom** 1985 Jun;12(6):269-73

Reproducibility of oxprenolol plasma concentrations in young female volunteers following oral administration of an oxprenolol Oros dosage form. Jack DB, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:185S-190S

Influence of food intake on plasma oxprenolol concentrations following oral administration of conventional and Oros preparations. John VA, et al. **Br J Clin Pharmacol** 1985; 19 Suppl 2:191S-195S

In vitro and in vivo deconvolution assessment of drug release kinetics from oxprenolol Oros preparations. Langenbucher F, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:151S-162S

A method for the assay of alpha 1-acid glycoprotein in dog serum and its application to the plasma binding of propranolol and oxprenolol in animals receiving rifampicin. Delcroix C, et al. **J Pharmacol Methods** 1984 Sep; 12(2):97-105

METABOLISM

Oxprenolol absorption in man after single bolus dosing into two segments of the colon compared with that after oral dosing. Antonin KH, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:137S-142S

Single-dose pharmacokinetic and pharmacodynamic comparison of polymer-matrix (Slow Trasicor) and Oros dosage forms of oxprenolol in healthy volunteers. Bennett PN, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:171S-175S

Pharmacokinetic investigation of the absorption of oxprenolol from Oros delivery systems in healthy volunteers: comparison of in vivo and in vitro drug release. Bradbrook ID, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:163S-169S

Evaluation of oxprenolol and metoprolol Oros systems in the dog: comparison of in vivo and in vitro drug release, and of drug absorption from duodenal and colonic infusion sites. Fara JW, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:91S-95S

Gastrointestinal transit of Oros drug delivery systems in healthy volunteers: a short report. John VA, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:203S-206S

Oxprenolol placental transfer, plasma concentrations in newborns and passage into breast milk. Sioufi A, et al. **Br J Clin Pharmacol** 1984 Sep;18(3):453-6

A multiple dose comparative study of the pharmacodynamic and pharmacokinetic behaviour of polymer-matrix and Oros dosage forms of oxprenolol in healthy volunteers. Woods KL, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:177S-184S

N-dealkylation of oxprenolol: formation of 3-aryloxypropane-1,2-diol, 3-aryloxylactic acid, and 2-aryloxyacetic acid metabolites in the rat. Nelson WL, et al. **J Pharm Sci** 1985 Jan;74(1):33-6

PHARMACODYNAMICS

Pre-dosing plasma concentrations and beta-adrenoceptor blocking effects during repeated once daily dosing with 160 mg sustained-release propranolol (Inderal LA) and 16/260 oxprenolol Oros to healthy volunteers. Moppert J, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:197S-201S

Concentration-effect relationship of oxprenolol in healthy volunteers: a retrospective analysis. Racine-Poon A, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:143S-149S

The circulatory response to lifting and carrying and its modification by beta-adrenoceptor blockade. Silke B, et al. **Int J Cardiol** 1984 Oct;6(4):527-36

Oxprenolol plus ethanol causes no central nervous system depression--a comparison with lorazepam plus ethanol. Aucamp AK, et al. **S Afr Med J** 1984 Sep 22;66(12):445-6

[Effect of pirprofen and indomethacin on the effects of oxprenolol and furosemide] Sörgel F, et al. **Arzneimittelforsch** 1984;34(10):1330-2 (Eng. Abstr.) **(Ger)**

POISONING

Recovery after severe oxprenolol overdose complicated by rhabdomyolysis. Schofield PM, et al. **Hum Toxicol** 1985 Jan;4(1):57-60

[Successfully treated oxprenolol (Trasicor) poisoning] Csomos I. **Orv Hetil** 1985 Feb 24;126(8):461-3 (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

The relative antihypertensive potency of propranolol, oxprenolol, atenolol, and metoprolol given once daily. A double-blind, crossover, placebo-controlled study in ambulatory patients. Ravid M, et al. **Arch Intern Med** 1985 Jul;145(7):1321-3

Exercise and resting blood pressure and heart rate changes 24 h after dosing in patients with essential hypertension receiving 16/260 oxprenolol Oros once daily. Müller FB, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:207S-212S

The influence of monotherapy with oxprenolol and nitrendipine on ambulatory blood pressure in hypertensives. Schmieder R, et al. **Clin Exp Hypertens** [A] 1985; 7(2-3):445-54

Management of essential hypertension with oxprenolol and chlorthalidone in a fixed combination. Karachalios GN. **Int J Clin Pharmacol Res** 1983;3(3):153-6

Effects of moderate salt restriction in hypertensive patients treated with oxprenolol or chlorthalidone. Pollavini G, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Aug;22(8):451-5

Efficacy of nitrendipine as baseline antihypertensive therapy. Rüddel H, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 7:S1049-52

Use of beta-blocking agents with group therapy in a smoking withdrawal clinic. Dow RJ, et al. **J R Soc Med** 1984 Aug; 77(8):648-51

Tolerance to oxprenolol [letter] Weiss Z, et al. **JAMA** 1985 Sep 20;254(11):1454

Comparison of the emotional effects of a beta-adrenergic blocking agent and a tranquilizer under different situational conditions. I. Anxiety-arousing situations. Erdmann G, et al. **Neuropsychobiology** 1984;12(2-3):143-51

[Treatment of hypertrophic cardiomyopathy with a delayed-action preparation of Trasicor] Dabrowski M, et al. **Kardiol Pol** 1984;27(7):579-89 (Eng. Abstr.) **(Pol)**

[Slow-Trasicor in the treatment of angina pectoris] Giec L, et al. **Wiad Lek** 1984 Sep 15;37(18):1401-6 (Eng. Abstr.) **(Pol)**

OXYCEPHALY see **CRANIOSYNOSTOSES**

OXYCHLOROCHIN see **HYDROXYCHLOROQUINE**

OXYCHLOROQUINE see **HYDROXYCHLOROQUINE**

OXYCLOZANIDE see under **SALICYLAMIDES**

OXYCODONE see under **CODEINE**

OXYFEDRINE see under **PROPIOPHENONES**

OXYGEN

Mechanisms of thiol reaction with oxygen: implications for hyperthermic and radiation therapies. Gerweck LG, et al. **Adv Exp Med Biol** 1984;180:269-80

An investigation of the role of soluble cytotoxic factors and reactive oxygen intermediates in lysis by NK cells. Wayner EA, et al. **Adv Exp Med Biol** 1985;184:221-38

Average thickness of a hydrogel lens for gas transmissibility calculations. Brennan NA. **Am J Optom Physiol Opt** 1984 Oct;61(10):627-35

Comparison of oxygen tension measurement methodologies: further studies. Roscoe WR, et al. **Am J Optom Physiol Opt** 1985 Feb;62(2):129-31

'Islands of ischemia': transcutaneous PtcO2 documentation of pedal malperfusion following lower limb revascularization. Rhodes GR, et al. **Am Surg** 1985 Jul; 51(7):407-13

Entonox for casualties at 1000 m: use of nitrous oxide analgesia in Nigeria at moderate altitude. Oji A, et al. **Anaesthesia** 1984 Nov;39(11):1127-30

Effects of molecular oxygen on detection of superoxide radical with nitroblue tetrazolium and on activity stains for catalase. Clare DA, et al. **Anal Biochem** 1984 Aug 1; 140(2):532-7

Optimization of oxygenation by CPAP during one-lung anesthesia using nitrous oxide:oxygen [letter] Baraka A, et al. **Anesth Analg** 1985 Oct;64(10):1036-7

A simple device for oxygen insufflation with continuous positive airway pressure during one-lung ventilation [letter] Brown DL, et al. **Anesthesiology** 1984 Oct;61(4):481-2

Flow through the copper kettle flowmeter [letter] DesMarteau JK. **Anesthesiology** 1984 Dec;61(6):789

Oxygen pressure sensor shutoff valve failure in the Ohio 'Wedge' anesthesia machine [letter] Jones DE, et al. **Anesthesiology** 1984 Nov;61(5):634-5

Oxygen- and suction-equipped laryngoscope blade [letter] Loeser EA. **Anesthesiology** 1985 Mar;62(3):376

Hydrogen peroxide may cause venous oxygen embolism [letter] Shah J, et al. **Anesthesiology** 1984 Nov;61(5):631-2

Redox state of cytochrome c in the presence of the 6-hydroxydopamine/oxygen couple: oscillations dependent on the presence of hydrogen peroxide or superoxide. Davison AJ, et al. **Arch Biochem Biophys** 1984 Sep; 233(2):761-71

The effects of moisture on molecular sieve oxygen concentrators. Ikels KG, et al. **Aviat Space Environ Med** 1985 Jan;56(1):33-6

Membrane regulation of liver and lung microsomes under low oxygen tension. Casals C, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):551-8

Maternal, fetal, and newborn tissue PO2 in sheep measured with galvanic oxygen electrodes. Towell ME, et al. **Biochem Med** 1985 Apr;33(2):180-8

Distinctive responses of heart muscle and non-muscle cells to oxygen and glucose deprivation as regards phospholipid fatty acids. Freyss-Beguin M, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2560-3

Energy metabolism of cardiac cell cultures during oxygen deprivation: effects of creatine and arachidonic acid. Millanvoye-Van Brussel E, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):145-7

CO bond angle changes in photolysis of carboxymyoglobin. Powers L, et al. **Biochemistry** 1984 Nov 6;23(23):5519-23

Spontaneous lipid peroxidation in rabbit and mouse epididymal spermatozoa: dependence of rate on temperature and oxygen concentration. Alvarez JG, et al. **Biol Reprod** 1985 Mar;32(2):342-51

Oxygen quenching of pyrene-lipid fluorescence in phosphatidylcholine vesicles. A probe for membrane organization. Chong PL, et al. **Biophys J** 1985 May; 47(5):613-21

Effect of hypoxia and carbon monoxide on collagen synthesis in cultured porcine and bovine aortic endothelium. Levene CI, et al. **Br J Exp Pathol** 1985 Aug;66(4):399-408

Cell-cycle distributions and radiation responses of Chinese hamster cells cultured continuously under hypoxic conditions. Tokita N, et al. **Br J Radiol** 1984 Dec; 57(684):1137-43

Changes in ultrastructure and function of hypoxic V79 fibroblast cells after treatment with misonidazole. Jacobson EA, et al. **Cancer** 1985 Feb 15;55(4):751-9

Effects of hypoxia, pH, and growth stage on cell killing in Chinese hamster V79 cells in vitro by activated cyclophosphamide. Begg AC, et al. **Cancer Res** 1985 Aug; 45(8):3454-9

Porfiromycin as a bioreductive alkylating agent with selective toxicity to hypoxic EMT6 tumor cells in vivo and in vitro. Keyes SR, et al. **Cancer Res** 1985 Aug; 45(8):3642-5

In vivo normobaric oxygen exposure depresses spleen cell in vitro Con A response. Effects of 2-mercaptoethanol and peritoneal cells. Gougerot-Pocidalo MA, et al. **Clin Exp Immunol** 1984 Nov;58(2):428-35

Effects of myocardial hypoxia on digitalis-induced toxicity in the isolated heart of guinea pigs and cats. Kim DH, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):303-12

Polymerized liposomes as stable oxygen-carriers. Hayward JA, et al. **FEBS Lett** 1985 Aug 5;187(2):261-6

Effect of ascorbic acid on the production of singlet oxygen by purified human myeloperoxidase. Kanofsky JR, et al. **FEBS Lett** 1985 Aug 5;187(2):299-301

Chemiosmotic coupling in cytochrome oxidase. Possible protonmotive O loop and O cycle mechanisms. Mitchell P, et al. **FEBS Lett** 1985 Aug 19;188(1):1-7 (45 ref.)

Differentiation-arrested rat fetal lung in primary monolayer cell culture. IV. Paradoxical effect of a 'fetal' pO2 on precursor incorporation into phospholipids and hormone responsiveness. Tanswell AK, et al. **In Vitro** 1984 Aug; 20(8):635-41

Production and quality control of 15O2 and C15O2 for medical use. Strijckmans K, et al. **Int J Appl Radiat Isot** 1985 Apr;36(4):279-83

Radiation-induced strand breakage in poly(riboadenylic acid). A pulse radiolysis study on the protective action of cysteamine under anoxic conditions. Washino K, et al. **Int J Radiat Biol** 1984 Dec;46(6):747-58

Influence of the oxygen pressure in the culture medium on the oxygenation of different types of multicellular spheroids. Carlsson J, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):535-46

Critical oxygen levels to avoid corneal edema for daily and extended wear contact lenses. Holden BA, et al. **Invest Ophthalmol Vis Sci** 1984 Oct;25(10):1161-7

Central and peripheral causes of hyperreflexia in humans breathing 5% trimix at 650 m. Parmentier JL, et al. **J Appl Physiol** 1985 Apr;58(4):1239-45

Oxygen and sulfur esters of 'inverse substrates': different responses of amidinophenol and amidinothiophenol in the activation of the rate of tryptic hydrolysis of the inverse esters. Tanizawa K, et al. **J Biochem (Tokyo)** 1985 Jan; 97(1):275-80

Peroxidase-catalyzed formation of triplet acetone and chemiluminescence from isobutyraldehyde and molecular oxygen. Baader WJ, et al. **J Biol Chem** 1985 Aug 25; 260(18):10217-25

Dynamics of dioxygen and carbon monoxide binding to soybean leghemoglobin. Stetzkowski F, et al. **J Biol Chem** 1985 Jul 25;260(15):8803-9

The reaction of arsenite-complexed xanthine oxidase with oxygen. Evidence for an oxygen-reactive molybdenum center. Stewart RC, et al. **J Biol Chem** 1985 Jul 25; 260(15):8892-904

Oxygen pressure gradients in isolated cardiac myocytes. Wittenberg BA, et al. **J Biol Chem** 1985 Jun 10; 260(11):6548-54

The use of Entonox as a sedation agent for children who have refused operative dentistry [letter] **J Dent** 1984 Sep; 12(3):272-5

Normobaric hyperoxia in vivo inhibits fatty acid incorporation into sheep erythrocyte phospholipid in vitro. Dise CA, et al. **J Lab Clin Med** 1985 Jan;105(1):89-93

Psychotomimetic N-methyl-N-isopropyltryptamines. Effects of variation of aromatic oxygen substituents. Repke DB, et al. **J Med Chem** 1985 Jul;28(7):892-6

Syntheses and differentiating action of vitamin D endoperoxides. Singlet oxygen adducts of vitamin D derivatives in human myeloid leukemia cells (HL-60). Yamada S, et al. **J Med Chem** 1985 Sep;28(9):1148-53

Effect of oxygen on the corrosion of dental amalgam. Greener EH, et al. **J Oral Rehabil** 1985 Mar;12(2):123-33

Adrenal corticomedullary hyperplasia in hypobaric hypoxia. Gosney JR. **J Pathol** 1985 May;146(1):59-64

Effects of solvent medium on solubility III: Hydrophilic-lipophilic character exhibited by some functional groups having oxygen or nitrogen in ethanol-water. Manzo RH, et al. **J Pharm Sci** 1984 Aug; 73(8):1094-7

Stable heterogeneous spatial distributions of oxygen and chemotactic E. coli with Verhulst-limited population growth. Rosen G. **J Theor Biol** 1985 Feb 21;112(4):877-81

Improved myocardial recovery after cardioplegic arrest with an oxygenated crystalloid solution. Guyton RA, et al. **J Thorac Cardiovasc Surg** 1985 Jun;89(6):877-87

Selective enhancement of hypoxic cell killing by melphalan via thiol depletion: in vitro studies with hypoxic cell sensitizers and buthionine sulfoximine. Roizin-Towle L. **JNCI** 1985 Jan;74(1):151-7

The use of a flexible film isolator to maintain specified concentrations of oxygen. Betts TE, et al. **Lab Anim** 1985 Apr;19(2):109-10

Perspectives on electrical equipment used in oxygen-enriched atmospheres. Lipschultz A, et al. **Med Instrum** 1984 Jul-Aug;18(4):239-44

Perspectives on electrical equipment used in oxygen-enriched atmospheres [letter] Raber MB. **Med Instrum** 1984 Nov-Dec;18(6):336

BrdUrd-dependent sister-chromatid exchanges are increased at high oxygen tension. Gutiérrez C, et al. **Mutat Res** 1985 Apr;142(4):213-6

Induction of 6-thioguanine-resistant mutants by hyperoxia and gamma-irradiation: effect of compromising cellular antioxidant systems. Lesko SA, et al. **Mutat Res** 1985 Mar; 149(1):119-26

Soman toxication in hypoxia acclimated rats: alterations in brain neuronal RNA and survival. Doebler JA, et al. **Neurochem Res** 1984 Sep;9(9):1239-52

Regional cerebral metabolic rate for glucose immediately following exposure to two atmospheres absolute oxygen in conscious rats. Torbati D. **Neurosci Lett** 1985 Apr 9; 55(2):109-12

Local cerebral glucose utilization rate following intermittent exposures to 2 atmosphere absolute oxygen. Torbati D, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):79-84

Activation of neocarzinostatin chromophore and formation of nascent DNA damage do not require molecular oxygen. Kappen LS, et al. **Nucleic Acids Res** 1985 Mar 11; 13(5):1637-48

The 'dynamic transcutaneous PO2 histogram' or how to deal with immense quantities of monitoring data. Fallenstein F, et al. **Pediatrics** 1985 Mar;75(3):608-13

Lysis of egg phosphatidylcholine liposomes by singlet oxygen generated in the gas phase. Eisenberg WC, et al. **Photochem Photobiol** 1984 Jul;40(1):55-8

Oxygen chemoreception by carotid body cells in culture. Fishman MC, et al. **Proc Natl Acad Sci USA** 1985 Mar; 82(5):1448-50

Further characterization of 4-bromomisonidazole as a potential detector of hypoxic cells. Rasey JS, et al. **Radiat Res** 1985 Apr;102(1):76-85

Small bowel and liver gas tensions during intravenous vasopressin infusion and 60% oxygen ventilation. Korsbäck C, et al. **Res Exp Med (Berl)** 1984;184(4):243-9

Correlations between the quantity of cerebral flow, brain surface pO2, and EEG in the dog. Temes G, et al. **Res Exp Med (Berl)** 1985;185(2):121-9

The effect of low density gas breathing on vesicular lung sounds. Austrheim O, et al. **Respir Physiol** 1985 May; 60(2):145-55

Oxygen supply and limiting oxygen pressures in an insect larva. Tenney SM. **Respir Physiol** 1985 Apr;60(1):121-34

Comparison of the DNA-damaging property of photosensitised riboflavin via singlet oxygen (1O2) and superoxide radical O2-. mechanisms. Joshi PC. **Toxicol Lett** 1985 Aug;26(2-3):211-7

Free radical intermediates under hypoxic conditions in the metabolism of halogenated carcinogens. Tomasi A, et al. **Toxicol Pathol** 1984;12(3):240-6

[The determination of chemical oxygen consumption in water] Chen SJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 Jul;18(4):241-3 **(Chi)**

[Reactions of antiphlogistic indole derivatives with singlet oxygen. 1. Participation of reactive oxygen species in the mechanism of prostaglandin synthesis] Duchstein HJ. **Arch Pharm (Weinheim)** 1985 Feb;318(2):127-34 (Eng. Abstr.) **(Ger)**

[Neuroleptanalgesia under intubation with a laughing gas/oxygen mixture for important neurosurgery in swine (Sus scrofa)] Conzen M, et al. **DTW** 1984 Nov 22; 91(11-12):396-7 (Eng. Abstr.) **(Ger)**

[Aeration of water as aid in water protection--the Teltow Canal example] Schumann H. **Schriftenr Ver Wasser Boden Lufthyg** 1984;57:135-46 **(Ger)**

[Effect of nickel and cadmium at various pH levels on biochemical oxygen demands (BOD5)] Bianucci F, et al. **Nuovi Ann Ig Microbiol** 1984 Jan-Feb;35(1):57-62 (Eng. Abstr.) **(Ita)**

[Respiratory heat loss under hyperbaric helium-oxygen environment (101 bar)] Naraki N, et al. **Ann Physiol Anthropol** 1984 Jul;3(3):227-36 (Eng. Abstr.) **(Jpn)**

[The effects of naloxone reversal on enflurane-N2O-O2 anesthesia] Takeshima R, et al. **Masui** 1984 Oct; 33(10):1064-9 (Eng. Abstr.) **(Jpn)**

[Experimental study on intrahepatic gas tensions measured by mass spectrometry: effect on temporary occlusion of the afferent hepatic circulation] Iseki J, et al. **Nippon Geka Gakkai Zasshi** 1985 Mar;86(3):304-18 (Eng. Abstr.) **(Jpn)**

[60Co-gamma-radiolysis of C18 unsaturated fatty acid methyl esters in an oxygen free state] Kitahara K, et al. **Radioisotopes** 1984 Sep;33(9):658-9 **(Jpn)**

[Clinical experience of oxygenated cold crystalloid cardioplegic solution] Kikuchi S, et al. **Rinsho Kyobu Geka** 1984 Jul;4(4):408-12 (Eng. Abstr.) **(Jpn)**

[Effect of adaptation to high altitude hypoxia on the development of structural changes in the resistance vessels of the spontaneously hypertensive rat] Koshelev VB, et al. **Kardiologiia** 1985 Jan;25(1):80-4 (Eng. Abstr.) **(Rus)**

[Allogenic kidney transplantation after prolonged transorgan oxygen preservation] Belorusov OS, et al. **Khirurgiia (Mosk)** 1984 Oct;(10):107-13 **(Rus)**

[Clinical use of helium-oxygen mixtures] Kostylev EG. **Khirurgiia (Mosk)** 1984 Nov;(11):91-6 (Eng. Abstr.) **(Rus)**

[Effect of hyperoxia and increased environmental gas density on the contractile function of the right of the heart] Kuleshov VI, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):73-6 (Eng. Abstr.) **(Rus)**

[Changes in the energetics of muscle contraction as a result of hyperoxia] Pchelenko LD, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):77-81 (Eng. Abstr.) **(Rus)**

[Polyradiomodification. Combined body protection in the total irradiation of mice during exogenous hypoxia] Iarmonenko SP, et al. **Med Radiol (Mosk)** 1985 Apr; 30(4):50-2 (Eng. Abstr.) **(Rus)**

[Quantitative criteria for the evaluation of a functional system responsible for gas homeostasis] Medelianovskiĭ AN, et al. **Vestn Akad Med Nauk SSSR** 1985;(2):63-70 (Eng. Abstr.) **(Rus)**

[Sultry weather and oxygen conditions of the atmosphere as exemplified by the Maritime zone of Azerbaijan] Kasimov MS. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun;(3):37-9 (Eng. Abstr.) **(Rus)**

[Changes in mitochondrial lipid composition in hypoxia in the presence of a dinitrophenol uncoupler] Dekutovich GV, et al. **Vopr Med Khim** 1984 Sep-Oct;30(5):26-8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Self-administered Entonox (50% nitrous oxide in oxygen) in labour: report of the experience in Ibadan. Soyannwo OA. **Afr J Med Med Sci** 1985 Mar-Jun;14(1-2):95-8

Effects of maternal oxygen administration on fetal oxygenation during reductions in umbilical blood flow in fetal lambs. Edelstone DI, et al. **Am J Obstet Gynecol** 1985 Jun 1;152(3):351-8

A portable oxygen system corrects hypoxemia without significantly increasing metabolic demands. Brambilla I, et al. **Am Rev Respir Dis** 1985 Jan;131(1):51-3

Who needs home oxygen? Petty TL. **Am Rev Respir Dis** 1985 Jun;131(6):930-1

The effect of short-term oxygen supplementation on oxygen hemoglobin affinity in patients with chronic obstructive pulmonary disease. Timms RM, et al. **Am Rev Respir Dis** 1985 Jan;131(1):69-72

Oxygen supply at risk [letter] Russell WJ. **Anaesth Intensive Care** 1985 May;13(2):216-7

Oxygen flowmeters [letter] Coppel DL, et al. **Anaesthesia** 1985 Jul;40(7):707

A hazard of pre-oxygenation [letter] Howells TH. **Anaesthesia** 1985 Jan;40(1):86

Entonox hazard [letter] Orr IA, et al. **Anaesthesia** 1985 May; 40(5):496

Another use for the Bain system [letter] Puttick N. **Anaesthesia** 1984 Dec;39(12):1248

Another example of hypoxic gas mixture delivery [letter] Chi OZ. **Anesthesiology** 1985 Apr;62(4):543-4

Another potential failure in an oxygen delivery system [letter] Heine JF, et al. **Anesthesiology** 1985 Sep;63(3):335-6

A standard comparison of esophageal obturator airway and endotracheal tube ventilation in cardiac arrest. Hammargren Y, et al. **Ann Emerg Med** 1985 Oct; 14(10):953-8

Fetal adaptations to spontaneous hypoxemia and responses to maternal oxygen breathing. Goetzman BW, et al. **Biol Neonate** 1984;46(6):276-84

Intrapulmonary shunt is not increased by 100% oxygen ventilation in acute respiratory failure. Lemaire F, et al. **Bull Eur Physiopathol Respir** 1985 May-Jun;21(3):251-6

Trans-FBS-channel ventilation during the flexible bronchoscope (FBS) examination in infant. Monden Y, et al. **Endoscopy** 1984 Sep;16(5):175-8

A review and critique of the literature on preoxygenation for endotracheal suctioning. Riegel B, et al. **Heart Lung** 1985 Sep;14(5):507-18

A comparison of oral and rectal temperature measurement on patients receiving oxygen by mask. Dressler DK, et al. **Nurs Res** 1983 Nov-Dec;32(6):373-5

Effects of hyperoxia and hypoxia on vascular prostacyclin formation in vitro. Stuart MJ, et al. **Pediatrics** 1984 Oct; 74(4):548-53

[Pneumoperitoneum following accidental administration of oxygen via a gastric tube] Gottrup F, et al. **Ugeskr Laeger** 1984 Jul 16;146(29):2166-7 (Eng. Abstr.) **(Dan)**

[Oxygen-nitrous oxide mixing flowmeter with safety feature] Brille P, et al. **Cah Anesthesiol** 1984 May-Jun;32(4):271-5 **(Fre)**

[Indwelling transtracheal sound for oxygen administration in the patient with hypoxic chronic respiratory insufficiency] Bugnas B, et al. **Presse Med** 1984 Oct 13; 13(36):2207-8 (Eng. Abstr.) **(Fre)**

[Respiratory insufficiency and long-term oxygen therapy at home] Bartsch P. **Rev Med Liege** 1985 Apr 15;40(8):307-13 **(Fre)**

[Pathophysiological studies on hypoxic circulatory responses in health and in chronic obstructive pulmonary disease] Miyamoto K. **Nippon Naika Gakkai Zasshi** 1984 Oct; 73(10):1461-9 **(Jpn)**

[Tolerance of moderate normobaric hypoxia by patients with chronic salpingo-oophoritis] Chizhov AIa, et al. **Akush Ginekol (Mosk)** 1984 Nov;(11):59-62 (Eng. Abstr.) **(Rus)**

[Humidification of the respiratory mixture using new Soviet-made humidifiers during long-term artificial ventilation of the lungs] Popova LM, et al. **Anesteziol Reanimatol** 1984 Jul-Aug;(4):58-60 (Eng. Abstr.) **(Rus)**

[Structure of the respiratory cycle in excessive intrapulmonary pressure and different oxygen levels of respiratory mixtures] Breslav IS, et al. **Fiziol Cheloveka** 1985 Mar-Apr;11(2):262-5 **(Rus)**

[Oxygen tension dynamics in the fetal brain with altered concentrations in inspired air] Raguzin AV. **Fiziol Zh** 1984 Nov-Dec;30(6):743-6 **(Rus)**

[Radioprotective action of GHM-10 when administered with dextran sulfate and heparin] Zhukova NA, et al. **Radiobiologiia** 1985 May-Jun;25(3):414-6 (Eng. Abstr.) **(Rus)**

[Hyperbaric oxygenation with hypercapnic mixture in multiple sclerosis] Golovkin VI, et al. **Sov Med** 1985; (2):22-6 (Eng. Abstr.) **(Rus)**

[Clinical transplantation of allogeneic kidneys after trans-organ oxygen conservation] Belorusov OS, et al. **Vestn Akad Med Nauk SSSR** 1985;(4):33-40 (Eng. Abstr.) **(Rus)**

[Oxygen therapy in the combined treatment of patients with chronic cholecystitis combined with hepatitis] Miagkov II, et al. **Vrach Delo** 1984 Nov;(11):96-9 (Eng. Abstr.) **(Rus)**

[Oxygen therapy in the complex treatment of patients with chronic cholecystitis associated with reactive hepatitis] Miagkov II, et al. **Vrach Delo** 1985 Apr;(4):86-8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Myocardial reoxygenation damage: can it be circumvented? Chappell SP, et al. **Cardiovasc Res** 1985 May;19(5):299-303

Reactivation of bleomycin lung toxicity following oxygen administration. A second response to corticosteroids. Gilson AJ, et al. **Chest** 1985 Aug;88(2):304-6

[Bleomycin and anesthesia (letter)] Gilsanz FJ. **Rev Esp Anestesiol Reanim** 1984 Jul-Aug;31(4):173-4 (Spa)

ANALYSIS

Increased resolution power in PO2 analysis at lower PO2 levels via sensitivity enhanced optical PO2 sensors (PO2 optodes) using fluorescence dyes. Opitz N, et al. **Adv Exp Med Biol** 1984;180:261-7

Dependence of ethanol-induced redox shift on hepatic oxygen tensions prevailing in vivo. Jauhonen VP, et al. **Alcohol** 1985 Jan-Feb;2(1):163-7

Another use for an oxygen analyser [letter] Ritchie PA. **Anaesthesia** 1984 Oct;39(10):1038-9

O2 solubility in aqueous media determined by a kinetic method. Reynafarje B, et al. **Anal Biochem** 1985 Mar; 145(2):406-18

Calibration and use of a Clark-type oxygen electrode from 5 to 45 degrees C. Wise RR, et al. **Anal Biochem** 1985 Apr;146(1):260-4

Evaluation of a dual mass spectrometer system for rapid simultaneous determination of hydrogen-2/hydrogen-1 and oxygen-18/oxygen-16 ratios in aqueous samples. Wong WW, et al. **Anal Chem** 1984 Sep;56(11):1852-8

Oxygen analyzers unreliable as disconnection alarms [letter] Spooner RB. **Anesth Analg** 1984 Oct;63(10):962

On-line conjunctival oxygen tension as a guide to cerebral oxygenation. van der Zee HT, et al. **Anesth Analg** 1985 Jan;64(1):63-7

Can we do without O2 analyzers? [letter] Ditchik J, et al. **Anesthesiology** 1984 Nov;61(5):629-30

General anesthesia without O2 analyzer--a substandard practice [letter] McGarrigle RE. **Anesthesiology** 1985 Jul; 63(1):116

A chemiluminescent probe specific for singlet oxygen. Posner GH, et al. **Biochem Biophys Res Commun** 1984 Sep 17; 123(2):869-73

Measurements of oxygen tension in muscle. Ehrly AM. **Biorheology** 1984;Suppl 1:201-7

Oxygen tension on the skin of the gaiter area of limbs with venous disease. Clyne CA, et al. **Br J Surg** 1985 Aug; 7(8):644-7

Gill damage as a determinant of residual oxygen concentration in the sealed jar test. Tuurala H, et al. **Bull Environ Contam Toxicol** 1985 Mar;34(3):385-9

Improved tissue perfusion during pressure regulated hyperthermic regional isolated perfusion. A clinical study. Fontijne WP, et al. **Cancer** 1985 Apr 1;55(7):1455-61

Retinal oxygen tension and oxygen reactivity in retinopathy of prematurity in kittens. Ernest JT, et al. **Invest Ophthalmol Vis Sci** 1984 Oct;25(10):1129-34

The determination of the oxygen content of ampoules and vials of medical biological preparations filled with an inert gas. Petukhov VG, et al. **J Biol Stand** 1985 Jan;13(1):87-91

Variability in CO2, O2, and pH levels in blood culture bottles from five different manufacturers. Welch WD, et al. **J Clin Microbiol** 1984 Nov;20(5):881-3

Direct measurement of phagosomal reactive oxygen by luminol-binding microspheres. Uchida T, et al. **J Immunol Methods** 1985 Feb 28;77(1):55-61

Skin oxygen tension in venous insufficiency of the lower leg. Dodd HJ, et al. **J R Soc Med** 1985 May;78(5):373-6

Differential generation of chemiluminescence--detectable oxygen radicals by normal polymorphonuclear leukocytes challenged with sera from systemic lupus erythematosus and rheumatoid arthritis patients. D'Onofrio C, et al. **Klin Wochenschr** 1984 Aug 1;62(15):710-6

Some characteristics of hyperoxia-adapted HeLa cells. A tissue culture model for cellular oxygen tolerance. Joenje H, et al. **Lab Invest** 1985 Apr;52(4):420-8

Monitoring oxygen transcutaneously in critically ill patients [letter] Tremper KK, et al. **N Engl J Med** 1985 Jan 24; 312(4):241

Microelectrode for measuring local cortical oxygen tension and blood flow in the same microareas of cat cortex. Yonekura M, et al. **Neurol Res** 1985 Jun;7(2):89-92

An electrochemical approach to sleep metabolism: a pO2 paradoxical sleep system. Velluti R. **Physiol Behav** 1985 Mar;34(3):355-8

Oxygen tension in human tumors: in vivo mapping using CT-guided probes. Gatenby RA, et al. **Radiology** 1985 Jul; 156(1):211-4

Profiles of oxygen partial pressure and oxygen consumption inside multicellular spheroids. Grossmann U. **Recent Results Cancer Res** 1984;95:150-61

Microelectrode measurement of oxygen tension distributions in multicellular spheroids cultured in spinner flasks. Mueller-Klieser W. **Recent Results Cancer Res** 1984; 95:134-49

Extrapulmonary gas exchange enhances brain oxygen in pigeons. Bernstein MH, et al. **Science** 1984 Nov 2; 226(4674):564-6

[Experimental study on intra-tissue pressure, PO2 and degeneration in free-muscle transplantation] Zhu SX. **Chung Hua Wai Ko Tsa Chih** 1984 Oct;22(10):598-601, 637-8 (Eng. Abstr.) **(Chi)**

[Nomogram of FiO2 in air-oxygen mixtures] Drouet N. **Cah Anesthesiol** 1984 Dec;32(8):685 **(Fre)**

[Transcutaneous measurement of PO2 in healthy subjects and in arteriopathy patients during the exercise test] Ambrosi C, et al. **J Mal Vasc** 1985;10(1):37-42 (Eng. Abstr.) **(Fre)**

[Vascular functional exploratory methods enabling the assessment of the evolution of lower-limb arteriopathies in the critical phase. Pulpal pulsed signal, digital pressure, transcutaneous PO2 of the front of the foot. Preliminary notes] Becker F, et al. **J Mal Vasc** 1985;10 Suppl A:43-6 (Eng. Abstr.) **(Fre)**

[TcPO2 and viability of an amputation stump. Preliminary study] Casillas JM, et al. **J Mal Vasc** 1985;10(1):71-2 **(Fre)**

[Study of a new fetal blood gas parameter: oxygen saturation] Vitse M, et al. **Rev Fr Gynecol Obstet** 1984 Dec; 79(12):777-81 (Eng. Abstr.) **(Fre)**

[Gasometry of the pleural fluid] Ayoub A, et al. **Tunis Med** 1984 Dec;62(8):599-605 (Eng. Abstr.) **(Fre)**

[The pH effect of CO2 on current voltage characteristics of membrane-covered pO2 electrodes] Westfahl J, et al. **Z Gesamte Hyg** 1984 Nov;30(11):627-30 (Eng. Abstr.) **(Ger)**

[Gas analysis evaluation in pleural fluid] Scoditti S, et al. **Arch Monaldi** 1984 Jan-Apr;39(1-2):75-82 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of a femoral compression method for ischemic legs by transcutaneous oxygen tension measurement] O-hara M, et al. **Nippon Geka Gakkai Zasshi** 1984 Nov;85(11):1490-4 (Eng. Abstr.) **(Jpn)**

[Oxygen tension in the intact and neuronally-isolated cortex] Sergeeva SS, et al. **Fiziol Zh SSSR** 1985 Jun;71(6):786-90 **(Rus)**

BIOSYNTHESIS

Biochemical requirements for singlet oxygen production by purified human myeloperoxidase. Kanofsky JR, et al. **J Clin Invest** 1984 Oct;74(4):1489-95

Murine Kupffer cells. Mononuclear phagocytes deficient in the generation of reactive oxygen intermediates. Lepay DA, et al. **J Exp Med** 1985 May 1;161(5):1079-96

[The adventure of the oxygen (2nd. Part)] Marini F, et al. **Chir Ital** 1985 Apr;37(2):129-38 (Eng. Abstr.) **(Ita)**

BLOOD

Clinical use of continuous monitoring of mixed venous oxygen saturation during and after cardiovascular surgery. Baele P, et al. **Acta Anaesthesiol Belg** 1985 Mar;36(1):5-13

A visual representation of a model for monitoring the state of oxygenation in the critically ill patients. Description and clinical validation. Lanza V, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:179-86

The effect of high-dose fentanyl anaesthesia on P50 in man. Damen J, et al. **Acta Anaesthesiol Scand** 1985 Apr; 29(3):256-8

Heat-induced changes in PO2 and PCO2 of blood. Gøthgen I. **Acta Anaesthesiol Scand** 1984 Aug;28(4):447-51

Lorazepam and high-dose fentanyl anaesthesia: effects on haemodynamics and oxygen transportation in patients undergoing coronary revascularization. Heikkilä H, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):357-61

Hemodynamics and oxygen transport after partial and total blood exchange with pyridoxalated polyhemoglobin in dogs. Hobbhahn J, et al. **Acta Anaesthesiol Scand** 1985 Jul; 29(5):537-43

The oxygen-release capacity of red blood cells in insulin-dependent diabetics after artificial pancreas. Torella R, et al. **Acta Diabetol Lat** 1984 Jul-Sep;21(3):281-6

The etiology of 'sports anemia'. A physiological adaptation of the oxygen-dissociation curve of hemoglobin to an unphysiological exercise load [editorial] Hallberg L, et al. **Acta Med Scand** 1984;216(2):147-8

Red cell 2,3-diphosphoglycerate and hemoglobin-oxygen affinity during diabetic pregnancy. Madsen H, et al. **Acta Obstet Gynecol Scand** 1984;63(5):403-6

Red cell 2,3-diphosphoglycerate and hemoglobin--oxygen affinity during normal pregnancy. Madsen H, et al. **Acta Obstet Gynecol Scand** 1984;63(5):399-402

Deleterious effects of smoking during pregnancy: studies on blood oxygen affinity. Temesvári P, et al. **Acta Paediatr Hung** 1984;25(4):371-6

Evaluation of a transcutaneous oxygen and carbon dioxide monitor in a neonatal intensive care department. Wimberley PD, et al. **Acta Paediatr Scand** 1985 May;74(3):352-9

Effects of hyperoxia and hypoxia on dynamic and sustained static performance of the human quadriceps muscle. Eiken O, et al. **Acta Physiol Scand** 1984 Dec;122(4):629-33

Transcutaneous PO2 sensors and their application to clinical monitoring and diagnosis. Shoemaker WC. **Acute Care** 1983-84;10(2):103-11 (24 ref.)

Oxygen affinity of hemoglobin solutions modified by coupling to PLP or NFPLP and the effects on tissue oxygenation. Bakker JC, et al. **Adv Exp Med Biol** 1984; 180:345-56

An in-vitro method for simulation of oxygen transport in the microcirculation. Boland EJ, et al. **Adv Exp Med Biol** 1984;180:251-9

Augmentation and facilitation of oxygen transfer in flowing hemoglobin solutions. Diller TE, et al. **Adv Exp Med Biol** 1984;180:545-54

The effect of different parameters (temperature, O2 consumption, blood flow, hemoglobin content) on the tcPo2 calibration curves calculated by the capillary loop model. Grossman U, et al. **Adv Exp Med Biol** 1984; 180:793-802

Microcomputer measurement of blood and tissue oxygenation. Kiel JW, et al. **Adv Exp Med Biol** 1984; 180:783-92

Normal values of oxygen concentration in human blood. Mertzlufft F, et al. **Adv Exp Med Biol** 1984;180:581-90

Determination of pulmonary parameters (VA, DLO2) from arterial O2 and CO2 partial pressures during exercise. Mertzlufft F, et al. **Adv Exp Med Biol** 1984;180:393-402

Enhancement of P50 by inositol hexa phosphate entrapped in resealed erythrocytes in piglets. Teisseire B, et al. **Adv Exp Med Biol** 1984;180:673-7

The effect of blood O2 affinity on the efficiency of O2 transport in blood at hypoxic hypoxia. Turek Z, et al. **Adv Exp Med Biol** 1984;180:357-68

Effects of molsidomine on hemodynamics and blood gases in acute myocardial infarction with left heart failure. Renard M, et al. **Am Heart J** 1985 Mar;109(3 Pt 2):720-2

Studies of the effects of hypnoanesthesia on regional blood flow by transcutaneous oxygen monitoring. Bishay EG, et al. **Am J Clin Hypn** 1984 Jul;27(1):64-9

Transcutaneous oxygen monitoring. Its use in the treatment of outpatients with congenital heart disease. Gidding SS, et al. **Am J Dis Child** 1985 Mar;139(3):288-91

Venous and arterial blood gases during and after cardiopulmonary resuscitation in dogs. Ralston SH, et al. **Am J Emerg Med** 1985 Mar;3(2):132-6

Blood flow and oxygen delivery to fetal organs as functions of fetal hematocrit. Fumia FD, et al. **Am J Obstet Gynecol** 1984 Oct 1;150(3):274-82

Effects of fetal-maternal exchange transfusion on fetal oxygenation and blood flow distribution. Itskovitz J, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):H655-60

Isolated perfused head of rainbow trout. I. Gas transfer, acid-base balance, and hemodynamics. Perry SF, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):R246-54

Breathing and oxygenation during sleep are similar in normal men and normal women. Catterall JR, et al. **Am Rev Respir Dis** 1985 Jul;132(1):86-8

Accuracy of two ear oximeters at rest and during exercise in pulmonary patients. Ries AL, et al. **Am Rev Respir Dis** 1985 Sep;132(3):685-9

Neutrophil alveolitis following endotoxemia. Enhancement by previous exposure to hyperoxia. Rinaldo JE, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1065-71

Changes in mixed venous oxygen saturation during tension pneumothorax [letter] **Anaesthesia** 1985 Mar;40(3):301-3

Mixed venous oxygen saturation changes during tension pneumothorax and its treatment. Woodcock TE, et al. **Anaesthesia** 1984 Oct;39(10):1004-6

Continuous gas-depletion technique for measuring O2-dissociation curves of high-affinity hemoglobins. Sick H, et al. **Anal Biochem** 1985 Apr;146(1):277-80

Halothane and isoflurane do not decrease PaO2 during one-lung ventilation in intravenously anesthetized patients. Rogers SN, et al. **Anesth Analg** 1985 Oct;64(10):946-54

High oxygen saturation does not always indicate arterial placement of catheter during internal jugular venous cannulation [letter] Aghdami A, et al. **Anesthesiology** 1985 Mar;62(3):372-3

Pronounced, episodic oxygen desaturation in the postoperative period: its association with ventilatory pattern and analgesic regimen. Catley DM, et al. **Anesthesiology** 1985 Jul;63(1):20-8

Cardiovascular and blood gas responses to ketanserin in canine pulmonary edema induced by oleic acid. Koyama S, et al. **Anesthesiology** 1985 Apr;62(4):457-61

Noninvasive detection of profound arterial desaturations using a pulse oximetry device. Mihm FG, et al. **Anesthesiology** 1985 Jan;62(1):85-7

Prostaglandin F2 alpha improves oxygen tension and reduces venous admixture during one-lung ventilation in anesthetized paralyzed dogs. Scherer RW, et al. **Anesthesiology** 1985 Jan;62(1):23-8

Evaluation of the gas transfer characteristics of porous copolyurethane oxygenator membranes. Knight PM, et al. **Ann Biomed Eng** 1985;13(1):25-41

Small bowel and liver tissue pO2 and pCO2 during hypovolaemic shock and intravenous vasopressin infusion. Korsbäck C, et al. **Ann Chir Gynaecol** 1984;73(4):236-40

Continuous monitoring of critically ill patients with transcutaneous oxygen and carbon dioxide and conjunctival oxygen sensors. Abraham E, et al. **Ann Emerg Med** 1984 Nov;13(11):1021-6

ABG determination [letter] Hodge D 3d, et al. **Ann Emerg Med** 1985 Jun;14(6):616-7

Clinical scoring does not accurately assess hypoxemia in pediatric asthma patients. Hurwitz ME, et al. **Ann Emerg Med** 1984 Nov;13(11):1040-3

Effect of heparin on arterial blood gases. Ordog GJ, et al. **Ann Emerg Med** 1985 Mar;14(3):233-8

Improved oxygen delivery to tissues and iron chelator transport through the use of lysed and resealed red blood cells: a new perspective on Cooley's anemia therapy. Ropars C, et al. **Ann NY Acad Sci** 1985;445:304-15

Observations on oxygen delivery, methemoglobinemia, and arterial oxygenation in patients with beta-thalassemia. Tassiopoulos T, et al. **Ann NY Acad Sci** 1985;445:135-47

The eye as a peripheral sensor. Isenberg S, et al. **Ann Ophthalmol** 1984 Dec;16(12):1105-8

Use of transcutaneous oxygen tension measurements [PtcO2] in the diagnosis of peripheral vascular insufficiency [letter] Samson RH, et al. **Ann Surg** 1985 Jul;202(1):130-1

Estimation of arterial oxygen and carbon dioxide tensions by a single transcutaneous sensor. Whitehead MD, et al. **Arch Dis Child** 1985 Apr;60(4):356-9

Measurement of transcutaneous pCO2 and pO2 in the fetus during labor. Schmidt S, et al. **Arch Gynecol** 1985; 236(3):145–51

Improved oxygenation after muscle relaxation in adult respiratory distress syndrome. Coggeshall JW, et al. **Arch Intern Med** 1985 Sep;145(9):1718–20

Transcutaneous oxygen monitoring in acute asthma. Bourchier D, et al. **Aust Paediatr J** 1984 Aug;20(3):213–5

A comparison of PO2 monitoring techniques in newborn infants. Lewis IG, et al. **Aust Paediatr J** 1984 Nov; 20(4):309–11

Incorporation of allosteric effectors of hemoglobin in red blood cells. Physiological effects. Nicolau C, et al. **Bibl Haematol** 1985;(51):92–107

2-Chloroadenosine inhibits complement-induced reactive oxygen metabolite production and recovery of human polymorphonuclear leucocytes attacked by complement. Roberts PA, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):692–7

Inhibition by adenosine of reactive oxygen metabolite production by human polymorphonuclear leucocytes. Roberts PA, et al. **Biochem J** 1985 Apr 15;227(2):669–74

The primary structure of the hemoglobin of the dogfish shark (Squalus acanthias). Antagonistic effects of ATP and urea on oxygen affinity of an elasmobranch hemoglobin. Aschauer H, et al. **Biol Chem Hoppe Seyler** 1985 Jun; 366(6):589–99

Studies on yak hemoglobin (Bos grunniens, Bovidae): structural basis for high intrinsic oxygen affinity? Lalthantluanga R, et al. **Biol Chem Hoppe Seyler** 1985 Jan; 366(1):63–8

Alteration of arterial gas composition by positive pressure ventilation in the unanesthetized fetal lamb in utero. Willis DM, et al. **Biol Neonate** 1985;47(5):295–304

Oxygen delivery from red cells. Clark A Jr, et al. **Biophys J** 1985 Feb;47(2 Pt 1):171–81

Hemorheological approach to oxygen transport between blood and tissue. Niimi H, et al. **Biorheology** 1984; 21(4):445–61

Independent stimulation of membrane potential changes and the oxidative metabolic burst in polymorphonuclear leukocytes. Seeds MC, et al. **Blood** 1985 Jan;65(1):233–40

The cord blood oxygen affinity from normal human newborns: I) A methodological approach. Fabris C, et al. **Boll Soc Ital Biol Sper** 1984 Nov 30;60(11):2163–70

The whole blood oxygen affinity in normal human newborns: II) P50, n value and related parameters. Tosetti F, et al. **Boll Soc Ital Biol Sper** 1985 Jan 30;61(1):99–106

'He looks a little blue down this end'. Monitoring oxygenation during anaesthesia [editorial] Hanning CD. **Br J Anaesth** 1985 Apr;57(4):359–60

A sheep preparation for studying interactions between blood flow and drug disposition. III: Effects of general and spinal anaesthesia on regional blood flow and oxygen tensions. Runciman WB, et al. **Br J Anaesth** 1984 Nov; 56(11):1247–58

The effects in volunteers of BW12C, a compound designed to left-shift the blood-oxygen saturation curve. Fitzharris P, et al. **Br J Clin Pharmacol** 1985 Apr;19(4):471–81

The influence of transbronchial lung biopsy and bronchoalveolar lavage on arterial blood gas changes occurring in patients with diffuse interstitial lung disease. Hendy MS, et al. **Br J Dis Chest** 1984 Oct;78(4):363–8

Haemoglobin saturation during incremental arm and leg exercise. Powers SK, et al. **Br J Sports Med** 1984 Sep; 18(3):212–6

First experimental results with the oxygen electrode as a local blood flow sensor in canine colon. Piasecki C. **Br J Surg** 1985 Jun;72(6):452–3

In vivo modulation of norepinephrine-induced cerebral oxygenation states by hypoxia and hyperoxia. Sylvia AL, et al. **Brain Res** 1985 Jul 15;338(2):281–8

Po2 temperature blood factor for blood gas apparatus. Teisseire BP, et al. **Bull Eur Physiopathol Respir** 1984 Nov–Dec;20(6):563–8

Evaluation of arterial oxygenation during anaesthesia. Knill RL. **Can Anaesth Soc J** 1985 May;32(3 Pt 2):S16–9

Relation between fetal arterial PO2 and oxytocin-induced uterine contractions in pregnant sheep. Lye SJ, et al. **Can J Physiol Pharmacol** 1984 Oct;62(10):1337–40

Effect of upper airway carbon dioxide on ventilation and blood gases in the awake pony. Orr JA, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):793–7

Continuous monitoring of mixed venous oxygen saturation in hemodynamically unstable patients. Birman H, et al. **Chest** 1984 Nov;86(5):753–6

Clinical experience with continuous monitoring of mixed venous oxygen saturation in respiratory failure. Fahey PJ, et al. **Chest** 1984 Nov;86(5):748–52

Apnea duration and hypoxemia during REM sleep in patients with obstructive sleep apnea. Findley LJ, et al. **Chest** 1985 Apr;87(4):432–6

Use of continuous monitoring of mixed venous saturation in the coronary care unit. Gore JM, et al. **Chest** 1984 Nov; 86(5):757–61

Blood gas derangements in pulmonary embolism [letter] Iseman MD, et al. **Chest** 1985 Jul;88(1):155–6

The effects of oral slow-release terbutaline on the circadian variation in spirometry and arterial blood gas levels in patients with chronic airflow obstruction. Postma DS, et al. **Chest** 1985 May;87(5):653–7

Oxygen delivery in critically ill patients. Relationship to blood lactate and survival. Rashkin MC, et al. **Chest** 1985 May;87(5):580–4

Postural hypoxemia in cystic fibrosis. Stokes DC, et al. **Chest** 1985 Jun;87(6):785–9

Impact of profound reductions of PaO2 on O2 transport and utilization in congenital heart disease. Theodore J, et al. **Chest** 1985 Mar;87(3):293–302

Differential diagnosis of blood oxygen content in common congenital heart diseases with left to right shunts. II. A quantitative diagnostic method. Zhang FC, et al. **Chin Med J [Engl]** 1985 May;98(5):374–6

Differential diagnosis of blood oxygen content in common congenital heart diseases with left to right shunts. I. New criteria for diagnosis. Zhang FC, et al. **Chin Med J [Engl]** 1985 May;98(5):370–3

Dramatic changes in blood gases that are unrelated to arterial pH or cerebral oxygen delivery during endotoxin shock in conscious rats. Law WR, et al. **Circ Shock** 1985; 15(1):49–59

Transcutaneous oxygen tension and capillary morphologic characteristics and density in patients with chronic venous incompetence. Franzeck UK, et al. **Circulation** 1984 Nov; 70(5):806–11

Relationship between arterial oxygen tension and serum aminotransferases in morbidly obese patients with fatty liver [letter] Nanji AA, et al. **Clin Chem** 1985 Sep; 31(9):1571–2

A mathematical model of the hemoglobin-oxygen dissociation curve of human blood and of the oxygen partial pressure as a function of temperature. Siggaard-Andersen O, et al. **Clin Chem** 1984 Oct;30(10):1646–51

Comparison of blood gas and pH values obtained from arteriovenous fistulae and femoral arteries in chronic renal failure patients managed by hemodialysis. Beasley CR, et al. **Clin Nephrol** 1985 Apr;23(4):184–8

Neonatal oxygen-cardiorespirograms. Huch R, et al. **Clin Perinatol** 1985 Feb;12(1):129–45

The effect of the transcutaneous electrode on the variability of dermal oxygen tension changes. Spence VA, et al. **Clin Phys Physiol Meas** 1985 May;6(2):139–45

Arterial oxygen desaturation during treadmill and bicycle exercise in patients with chronic obstructive airways disease. Cockcroft A, et al. **Clin Sci** 1985 Mar;68(3):327–32

Low-molecular-weight iron complexes and oxygen radical reactions in idiopathic haemochromatosis. Gutteridge JM, et al. **Clin Sci** 1985 Apr;68(4):463–7

Influence of blood gases, Ca2+-entry blockade and angiotensin converting enzyme inhibition on pressor responses to alpha-adrenoceptor agonists: evidence in vivo for subtypes of response independent of receptor subtype? O'Brien JW, et al. **Clin Sci** 1985;68 Suppl 10:99s–104s

Changes in heart rate during progressive hyperoxia in the dogfish Scyliorhinus canicula L.: evidence for a venous oxygen receptor. Barrett DJ, et al. **Comp Biochem Physiol [A]** 1984;78(4):697–703

Temperature acclimation and oxygen binding properties of blood of the European eel, Anguilla anguilla. Laursen JS, et al. **Comp Biochem Physiol [A]** 1985;81(1):79–86

Direct measurement of allantoic blood flow in the chicken, Gallus domesticus. Responses to alteration in ambient temperature and PO2. Tazawa H, et al. **Comp Biochem Physiol [A]** 1985;81(3):641–2

The effects of eggshell porosity on blood-gas and acid-base status of domestic fowl embryos within eggs of the same weight. Tullett SG, et al. **Comp Biochem Physiol [A]** 1985; 81(1):137–42

Catheter measurement of mixed venous oxygen saturation [letter] Bailly R, et al. **Crit Care Med** 1985 Aug;13(8):695

Hemodynamic and oxygen transport patterns in surviving and nonsurviving postoperative patients. Bland RD, et al. **Crit Care Med** 1985 Feb;13(2):85–90

Continuous polarographic monitoring of intra-arterial oxygen in the perioperative period. Bratanow N, et al. **Crit Care Med** 1985 Oct;13(10):859–60

Wedge pressure confirmation by aspiration of pulmonary capillary blood. Morris AH, et al. **Crit Care Med** 1985 Sep; 13(9):756–9

Pathophysiology of adult respiratory distress syndrome after sepsis and surgical operations. Shoemaker WC, et al. **Crit Care Med** 1985 Mar;13(3):166–72

Transcutaneous PO2 monitoring in the anesthetic management of a patient with Eisenmenger's syndrome. Skinner DH, et al. **Crit Care Med** 1985 Jul;13(7):608–9

Hypoxemia, cellular hypoxia, and the oxyhemoglobin dissociation curve [letter] Thorgaard Andersen P, et al. **Crit Care Med** 1985 Aug;13(8):695–6

Transcutaneous PO2 monitoring during sodium nitroprusside infusion. Tremper KK, et al. **Crit Care Med** 1985 Feb; 13(2):65–7

Control of oxygen delivery from the erythrocyte by modification of pyruvate kinase. Westhead EW, et al. **Curr Top Cell Regul** 1984;24:21–34

Arterial blood gas tension and acid base balance during exercise in horses with pharyngeal lymphoid hyperplasia. Bayly WM, et al. **Equine Vet J** 1984 Sep;16(5):435–8

Response to oxygen administration in foals: effect of age, duration and method of administration on arterial blood gas values. Stewart JH, et al. **Equine Vet J** 1984 Jul; 16(4):329–31

Aerobic capacity of severely disabled Indians. Goswami A, et al. **Ergonomics** 1984 Dec;27(12):1267–9

Linear free-energy relationships in binding of oxygen and carbon monoxide with heme model compounds and heme proteins. Lavalette D, et al. **Eur J Biochem** 1984 Dec 17; 145(3):555–65

Effects of acute bleeding on oxygen supply to the skeletal muscle in dogs. Fontijne WP, et al. **Eur Surg Res** 1985; 17(1):61–8

Granulocytes and hyperoxia act synergistically in causing acute lung injury. Krieger BP, et al. **Exp Lung Res** 1984; 7(2):77–83

Oxygen supply to the liver in patients with alcoholic liver disease assessed by organ-reflectance spectrophotometry. Hayashi N, et al. **Gastroenterology** 1985 Apr;88(4):881–6

The effect of upper gastrointestinal endoscopy on arterial O2 tension in smokers and nonsmokers with and without premedication. Pecora AA, et al. **Gastrointest Endosc** 1984 Oct;30(5):284–8

Age-related incidence of reperfusion- and reoxygenation-induced ventricular tachyarrhythmias in the isolated rat heart. Pahor M, et al. **Gerontology** 1985; 31(1):15–26

Prediction of pO2 and pCO2 of the umbilical artery blood by mathematical analysis of fetal heart rate decelerations. Breborowicz G, et al. **Ginekol Pol** 1984 Oct;55(10):731–6

The effect of a positive end-expiratory pressure adapter on oxygenation during endotracheal suctioning. Douglas S, et al. **Heart Lung** 1985 Jul;14(4):396–400

Hyperinflation, hyperventilation, and hyperoxygenation before tracheal suctioning in children requiring long-term respiratory care. Feaster SC, et al. **Heart Lung** 1985 Jul; 14(4):379–84

The effects of oxygen and hyperinflation on arterial oxygen tension after endotracheal suctioning. Goodnough SK. **Heart Lung** 1985 Jan;14(1):11–7

Oxygen desaturation during ventilator circuit changes. Keller CA, et al. **Heart Lung** 1985 Jul;14(4):359–62

The effects of body position on oxygenation. Norton LC, et al. **Heart Lung** 1985 Jan;14(1):45–52

Oxygen binding and stability properties of Hb Santa Ana (beta 88 Leu----Pro). Tanaka Y, et al. **Hemoglobin** 1985; 9(2):157–69

The invalidity of monitoring transcutaneous oxygen tension in patients who have chronic renal failure. Armstrong JR, et al. **Henry Ford Hosp Med J** 1985;33(1):57–60

Respective roles of hypoxia and halothane metabolism in halothane-induced liver injury in rats. Hatano H, et al. **Hepatology** 1985 Mar–Apr;5(2):241–4

O2 dependence of insulin stimulation of glucose uptake by perfused rat liver: effects of carboxyhaemoglobin and haematocrit. Topping DL, et al. **Horm Metab Res** 1985 Jun;17(6):281–4

Arterial desaturation in tropical eosinophilia. Ray D. **Indian J Chest Dis Allied Sci** 1984 Jan–Mar;26(1):34–7

Continuous monitoring of blood gases in the intensive care unit and operating room. Part 1: Non-invasive monitoring of oxygenation. Cook D. **Indiana Med** 1985 Jan;78(1):30–1

Continuous monitoring of blood gases in the intensive care unit and operating room. Part 2: Invasive monitoring of oxygenation. Cook D. **Indiana Med** 1985 Feb;78(2):117–9

Transport of oxygen by perfluorochemical emulsions. Rosen AL, et al. **Int Anesthesiol Clin** 1985 Spring;23(1):95–103

Perfluorochemical emulsions and perfusion of isolated organs. Sloviter HA. **Int Anesthesiol Clin** 1985 Spring; 23(1):37–46

Alterations in oxygen transport following WR-2721. Glover D, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1565–8

The effect of a peripheral vasconstrictor drug on the systemic arterial oxygen saturation in Eisenmenger's syndrome. Blake S, et al. **Ir J Med Sci** 1984 Sep;153(9):319–20

A technique to continuously measure arteriovenous oxygen content difference and P50 in vivo. Brown EG, et al. **J Appl Physiol** 1985 Apr;58(4):1383–9

Effects of transfusion-induced polycythemia on O2 transport during exercise in the dog. Schumacker PT, et al. **J Appl Physiol** 1985 Mar;58(3):749–58

Blood-gas equilibration of CO2 and O2 in lungs of awake dogs during prolonged rebreathing. Scotto P, et al. **J Appl Physiol** 1984 Nov;57(5):1354–9

Low P50 in deer mice native to high altitude. Snyder LR. **J Appl Physiol** 1985 Jan;58(1):193–9

Perinatal pulmonary responses to arachidonic acid during normoxia and hypoxia. Tod ML, et al. **J Appl Physiol** 1984 Oct;57(4):977–83

Kinetics of O2 uptake and release by human erythrocytes studied by a stopped-flow technique. Yamaguchi K, et al. **J Appl Physiol** 1985 Apr;58(4):1215–24

Blood gas behaviour in status asthmaticus. Shah SP, et al. **J Assoc Physicians India** 1984 Oct;32(10):851–4

The kinetics of O2 release by human red blood cells in the presence of external sodium dithionite. Vandegriff KD, et al. **J Biol Chem** 1984 Oct 25;259(20):12609–18

Morphological and physiological factors affecting oxygen uptake and release by red blood cells. Vandegriff KD, et al. **J Biol Chem** 1984 Oct 25;259(20):12619–27

Influence of intravascular activity on the determination of blood flow and oxygen extraction in normal and ulcerated legs using the 15O steady-state technique and positron emission tomography. Spinks TJ, et al. **J Comput Assist Tomogr** 1985 Mar–Apr;9(2):342–51

Organ culture of human placental villi in hypoxic and hyperoxic conditions: a morphometric study. Amaladoss AS, et al. **J Dev Physiol** 1985 Apr;7(2):113–8

Effects of in vivo and in vitro changes in PO2 on the deformability of red blood cells of rainbow trout (Salmo gairdneri R.). Hughes GM, et al. **J Exp Biol** 1984 Jul; 111:253–7

Biochemical analysis and subcellular localization of a neutrophil-specific antigen, PMN-7, involved in the respiratory burst. Melnick DA, et al. **J Immunol** 1985 May; 134(5):3346–55

Stimulus-dependent increased generation of oxygen intermediates in monocytes and polymorphonuclear leukocytes in psoriasis. Schopf RE, et al. **J Invest Dermatol** 1985 Jan;84(1):73–6

Relationship between morphologic characteristics of sickle cells and method of deoxygenation. Asakura T, et al. **J Lab Clin Med** 1984 Dec;104(6):987–94

Oxygen binding to Octolasium complanatum erythrocruorin. Modulation of homo- and heterotropic interactions by cations. Santucci R, et al. **J Mol Biol** 1984 Nov 15; 179(4):713–27

Continuous transcutaneous O2 and CO2 monitoring during conscious sedation for oral surgery. Kraut RA. **J Oral Maxillofac Surg** 1985 Jul;43(7):489–92

Blood oxygen, carbon dioxide and pH levels prior to diagnosis of retinopathy of prematurity. Biglan AW, et al. **J Pediatr Ophthalmol Strabismus** 1985 Mar–Apr; 22(2):44–50

Exercise-induced arterial hypoxaemia in healthy human subjects at sea level. Dempsey JA, et al. **J Physiol (Lond)** 1984 Oct;355:161–75

Transient responses of coronary flow in the blood-perfused isolated rat heart submitted to changes in oxygen content. Duruble M, et al. **J Physiol (Lond)** 1985 Jan;358:321–34

Safety margin of fetal oxygenation. Meschia G. **J Reprod Med** 1985 Apr;30(4):308–11

Cardiorespiratory responses to 'aerobic dance'. Blyth M, et al. **J Sports Med Phys Fitness** 1985 Mar–Jun;25(1–2):57–64

The effect of training frequency of aerobic dance on oxygen uptake, body composition and personality. Johnson S, et al. **J Sports Med Phys Fitness** 1984 Dec;24(4):290–8

Changes in running economy relative to VO2max during a cross-country season. Wilcox AR, et al. **J Sports Med Phys Fitness** 1984 Dec;24(4):321–6

Venoarterial bypass: a technique for spinal cord protection. Grossi EA, et al. **J Thorac Cardiovasc Surg** 1985 Feb; 89(2):228–34

The effect of ventilation on systemic blood gases in the presence of left ventricular ejection during cardiopulmonary bypass. Moore RA, et al. **J Thorac Cardiovasc Surg** 1985 Aug;90(2):287–90

Assessment of peripheral vascular disease by postocclusive transcutaneous oxygen recovery time. Kram HB, et al. **J Vasc Surg** 1984 Sep;1(5):628–34

Arterial O2 saturation and maximum O2 consumption in moderate-altitude runners exposed to sea level and 3,050 m. Tucker A, et al. **JAMA** 1984 Nov 23–30;252(20):2867–71

Home nebulisers [letter] Loftus BG, et al. **Lancet** 1985 Feb 16;1(8425):393

ESR measurement of dissolved oxygen in 4-day chick embryo blood. Rajala GM, et al. **Life Sci** 1985 Jan 21; 36(3):291–7

Encapsulation of a hemoglobin allosteric effector in erythrocytes: in vivo results. Teisseire B, et al. **Life Support Syst** 1984 Oct–Dec;2(4):277–80

New transcutaneous pO2 probe based on mass spectrometry with low stirring effect. Grønlund J, et al. **Med Biol Eng Comput** 1985 May;23(3):254–7

Effects of multiple scattering and peripheral circulation on arterial oxygen saturation measured with a pulse-type oximeter. Shimada Y, et al. **Med Biol Eng Comput** 1984 Sep;22(5):475–8

The effect of shunt and ventilation––perfusion imbalance on arterial oxygen transport. Mansour R. **Middle East J Anaesthesiol** 1984 Oct;7(6):379–402

Continuous monitoring of mixed venous oxygen saturation in clinical practice. McMichan JC. **Mt Sinai J Med (NY)** 1984 Sep;51(5):569–72

The role of oxygen-free radicals and their secondary production by PMN. A response [letter] Barak M. **Mutat Res** 1984 Nov–Dec;141(3–4):211

Autoregulation of cortical blood flow and oxygen tension in the rabbit. Taguchi Y, et al. Neurol **Res** 1984 Dec; 6(4):159–62

Adenosine triphosphate content in the cat carotid body under different arterial O2 and CO2 conditions. Acker H, et al. **Neurosci Lett** 1984 Sep 7;50(1–3):175–9

Blood flow compensates oxygen demand in the vulnerable CA3 region of the hippocampus during kainate-induced seizures. Pinard E, et al. **Neuroscience** 1984 Dec; 13(4):1039–49

Physiologic circadian rhythmicity in preterm infants. Updike PA, et al. **Nurs Res** 1985 May–Jun;34(3):160–3

Regulation of pacing rate by variations of mixed venous oxygen saturation. Wirtzfeld A, et al. **PACE** 1984 Nov;7(6 Pt 2):1257–62

The effects of sodium nitroprusside on blood flow and oxygen delivery to the organs of the hypoxemic newborn lamb. Mirro R, et al. **Pediatr Res** 1985 Jan;19(1):15–8

Uterine arterial and venous concentrations of glucose, lactate, ketones, free fatty acids, and oxygen in the awake pregnant guinea pig. Peeters LL, et al. **Pediatr Res** 1984 Nov; 18(11):1172–5

Transcutaneous oxygen tension during nonnutritive sucking in preterm infants. Paludetto R, et al. **Pediatrics** 1984 Oct; 74(4):539–42

Hemoglobin in mammalian oxygen transport: ingenious formulations not quite in accord with nature. Altschule MD. **Perspect Biol Med** 1985 Winter;28(2):175–87

Changes of ventilation and ventilatory response to hypoxia during the menstrual cycle. Takano N. **Pflugers Arch** 1984 Nov;402(3):312–6

Fixed acid and carbon dioxide Bohr effects as functions of hemoglobin-oxygen saturation and erythrocyte pH in the blood of the frog, Rana temporaria. Wells RM, et al. **Pflugers Arch** 1985 Jan;403(1):7–12

Arterial blood gas, pH, and bicarbonate values in laying hens selected for thick or thin eggshell production. Wideman RF Jr, et al. **Poult Sci** 1985 May;64(5):1015–9

Effects of blood-dialyser interaction (sham-dialysis) on haemodynamics and oxygen tension in healthy man. Danielsson A, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:156–61

Pharmacological manipulation of 2,3 DPG levels and oxygen affinity. Farber MO. **Prog Clin Biol Res** 1984;165:263–77

Cardiovascular and blood gas changes during panting responses induced by ambient or spinal cord heating in the pigeon. Barnas GM, et al. **Respir Physiol** 1984 Jul; 57(1):89–101

Modulation of haemocyanin oxygen affinity in the intertidal prawn Palaemon elegans (Rathke). Bridges CR, et al. **Respir Physiol** 1984 Aug;57(2):189–200

Kinetics of O2 uptake and release by red cells in stopped-flow apparatus: effects of unstirred layer. Holland RA, et al. **Respir Physiol** 1985 Jan;59(1):71–91

Erythropoietin production in normoxic and hypoxic rats with increased blood O2 affinity. Lechermann B, et al. **Respir Physiol** 1985 Apr;60(1):1–8

Transient PO2 and PCO2 differences between end-tidal gas and arterial blood during rebreathing in awake dogs. Loeppky JA, et al. **Respir Physiol** 1985 May;60(2):135–44

Oxygen and carbon dioxide transport in the blood of the muskrat (Ondatra zibethica). Rothstein S, et al. **Respir Physiol** 1984 Jul;57(1):15–22

Effect of hypoxic, hyperoxic or hypercapnic ventilation on inspiratory termination in the cat. Speck DF, et al. **Respir Physiol** 1985 May;60(2):205–15

Induced low P50 in anesthetized rats: blood gas, circulatory and metabolic adjustments. Teisseire BP, et al. **Respir Physiol** 1984 Dec;58(3):335–44

Effects of breathing pattern and oxygen upon the alveolar arterial oxygen pressure difference in lung disease. Ploysongsang Y, et al. **Respiration** 1985;47(1):39–47

Venous crossover PO2. A reference point for assessing the physiological significance of alterations in oxyhaemoglobin equilibrium. Stewart RI. **Respiration** 1985;48(1):58–61

Continuous conjunctival and transcutaneous oxygen tension monitoring during resuscitation in a patient. Abraham E. **Resuscitation** 1984 Nov;12(3):207–11

Evidence of hypoxaemia and distribution of minor haemoglobin components in the cord blood of neonates born to diabetic mothers. Tsakalakos N, et al. **S Afr Med J** 1985 Apr 20;67(16):628–32

Middle latency auditory evoked potentials in sleep apneics during waking and as a function of arterial oxygen saturation during apneas. Mosko SS, et al. **Sleep** 1984; 7(3):239–46

Mealtime arterial O2 saturation in COPD [letter] Castaldo WA, et al. **South Med J** 1984 Oct;77(10):1347

The relationship of transcutaneous PO2 and laser Doppler measurements in a human model of local arterial insufficiency. Matsen FA 3d, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):418–22

Isolated hindlimb perfusion in dogs: the effect of perfusion pressures on the oxygen supply (ptO2 histogram) to the skeletal muscle. Fontijne WP, et al. **Surgery** 1985 Mar; 97(3):278–84

Changes in the respiratory gas tensions of a pneumonectomy space and their application to the diagnosis of bronchopleural fistula. Firmin RK, et al. **Thorac Cardiovasc Surg** 1985 Jun;33(3):173–5

Modulation of tissue fibrinolysis from hypoxia and hyperoxia. Risberg B, et al. **Thromb Res** 1985 Apr 15;38(2):129–36

Synthesis of cytochrome P-450 in isolated liver cells during exposure to hyperoxia. Rowe HA, et al. **Undersea Biomed Res** 1984 Jun;11(2):185–92

Transcutaneous oxygen tension in chronic venous insufficiency syndrome. Neumann HA, et al. **Vasa** 1984; 13(3):213–9

Correlation of a disease scoring system with arterial PO2 values in respiratory syncytial virus infection in calves. Verhoeff J, et al. **Vet Q** 1985 Apr;7(2):106–11

[Blood gas analysis of blood taken from the dorsum of foot in 40 cases of diabetes mellitus] Shen ZZ. **Chung Hua Nei Ko Tsa Chih** 1984 Aug;23(8):475–6, 524 (Eng. Abstr.) **(Chi)**

[Experimental studies and clinical observations on the arterial oxygenation in craniocerebral injuries] Zhu C, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Apr;23(4):233–5, 255 (Eng. Abstr.) **(Chi)**

[Circadian changes in blood gases in patients with bronchial asthma] Erban J. **Cas Lek Cesk** 1985 Jun 14;124(24):742–4 (Eng. Abstr.) **(Cze)**

[The oxygen content of arterial blood measured at the skin surface] Gøthgen IH. **Ugeskr Laeger** 1985 May 6; 147(19):1538–41 (Eng. Abstr.) **(Dan)**

[Transcutaneous measurement of oxygen tension in newborn infants] Fetter WP, et al. **Ned Tijdschr Geneeskd** 1984 Dec 8;128(49):2293–7 (Eng. Abstr.) **(Dut)**

[Hydrothermal baths of Spa, acid-base equilibrium and blood oxygen as seen by the clinician] Barzin J. **Acta Belg Med Phys** 1984 Jul–Sep;7(3):65–72 **(Fre)**

[Biological changes induced by the removal of the tourniquet in orthopedic surgery] Foissac J, et al. **Cah Anesthesiol** 1984 Mar;32(2):101–5 (Eng. Abstr.) **(Fre)**

[Transcutaneous measurement of the partial pressure of the oxygen. Theoretical bases and hemodynamic significance] Krahenbuhl B, et al. **J Mal Vasc** 1984;9(3):179–83 (Eng. Abstr.) **(Fre)**

[Role of erythrocyte deformability in erythrocyte transit time and bioavailability of O2] Thao Chan M, et al. **J Mal Vasc** 1985;10(1):43–6 (Eng. Abstr.) **(Fre)**

[Effect of almitrine administered by the oral route on levels of 2,3-diphosphoglycerate and on the affinity of hemoglobin for oxygen in healthy subjects] Clerbaux T, et al. **Pathol Biol (Paris)** 1985 Feb;33(2):129–32 (Eng. Abstr.) **(Fre)**

[Steady-state carbon monoxide transfer during progressive muscular exercise in patients. Relation to PaO2. Value of specific VCO] Bréant J, et al. **Rev Pneumol Clin** 1985; 41(2):121–8 (Eng. Abstr.) **(Fre)**

[Mass spectrometer ion flow in membrane diffusion of various molecules] Beste KW. **Biomed Tech (Berlin)** 1984 Sep; 29(9):211–4 (Eng. Abstr.) **(Ger)**

[Hemodynamic and respiratory changes in operations of the esophagus by unilateral ventilation] Scherer R, et al. **Chirurg** 1984 Oct;55(10):665–9 (Eng. Abstr.) **(Ger)**

[Cardiotocography with or without fetal blood analysis] Saling E. **Geburtshilfe Frauenheilkd** 1985 Mar;45(3):190–3 (Eng. Abstr.) **(Ger)**

[Transcutaneous measurement of oxygen partial pressure in the preoperative determination of the amputation level in the arterial occlusive disease of the lower extremity] Cyba-Altunbay S, et al. **Langenbecks Arch Chir** 1985; 363(3):207–18 (Eng. Abstr.) **(Ger)**

[Transcutaneous determination of oxygen partial pressure in standardized stress and hyperoxia conditions in children] Lindemann H, et al. **Prax Klin Pneumol** 1984 Dec; 38(12):545–8 (Eng. Abstr.) **(Ger)**

[Correlation of roentgen picture and lung function testing within the scope of silicosis evaluation] Otto H, et al. **Radiologe** 1985 Jan;25(1):2–8 (Eng. Abstr.) **(Ger)**

[Respiratory functional hypoxia in ruminants under general anesthesia] Erhardt W, et al. **Tierarztl Prax** 1985;Suppl 1:45–9 (Eng. Abstr.) **(Ger)**

[Transcutaneous oxygen pressure during intra-arterial infusions] Creutzig A, et al. **Vasa** 1984;13(3):207–12 (Eng. Abstr.) **(Ger)**

[Effect of halothane on polarographic pO2 measurement] Riedel E, et al. **Z Exp Chir Transplant Kunstliche Organe** 1985;18(3):182–3 (Eng. Abstr.) **(Ger)**

[Disorders of the fetal oxygen supply during labor––retrospect and prospect of diagnostic possibilities] Künzel W, et al. **Z Geburtshife Perinatol** 1984 Jul–Aug; 188(4):153–60 (Eng. Abstr.) **(Ger)**

[Comparison of transcutaneous oxygen pressure measurement with computer automatic CTG analysis sub partu] Eichhorn KH, et al. **Z Geburtshilfe Perinatol** 1985 Mar–Apr;189(2):69–72 (Eng. Abstr.) **(Ger)**

[Changes in erythrocyte P50 and its effect on O2 transport in intravenous tocolysis with fenoterol (Partusisten)] Karl C, et al. **Z Geburtshilfe Perinatol** 1985 Mar–Apr; 189(2):56–64 (Eng. Abstr.) **(Ger)**

[Effect of low molecular dextran on maternal microrheologic parameters, fetal heart rate and transcutaneous fetal oxygen partial pressure in labor] Kurz CS, et al. **Z Geburtshilfe Perinatol** 1985 Jan–Feb;189(1):25–33 (Eng. Abstr.) **(Ger)**

[Free and conjugated plasma catecholamines, lactate behavior and oxygen uptake at rest and in staged physical exertion as well as alpha receptor density in intact thrombocytes in trained athletes] Lehmann M, et al. **Z Kardiol** 1985 Jan;74(1):32–8 (Eng. Abstr.) **(Ger)**

[A light conducting oxygen microelectrode for intravital transmission microscopy] von Ardenne M, et al. **Z Med Lab Diagn** 1984;25(7):367–71 (Eng. Abstr.) **(Ger)**

['Intrauterine resuscitation' in the curved course of transcutaneous pO2 measurement in the fetus during labor. 2. Uterine contraction inhibition and contraction regulation] Bellée H, et al. **Zentralbl Gynakol** 1985; 107(1):47–53 (Eng. Abstr.) **(Ger)**

[Importance and usefulness of transcutaneous PO2 in neonatology. Experience with the healthy and sick neonate] Guala G, et al. **Ann Osp Maria Vittoria Torino** 1983 Jan–Jun;26(1–6):81–90 (Eng. Abstr.) **(Ita)**

[Behavior of PaO2 after intravenous administration of reproterol in subjects with chronic obstructive bronchopneumopathy] Grandillo F, et al. **Arch Monaldi** 1983 Sep–Dec;38(5–6):201–8 (Eng. Abstr.) **(Ita)**

[Current concepts concerning the oxygen affinity for hemoglobin] Carlone S, et al. **Recenti Prog Med** 1984 May; 75(5):423–38 (Eng. Abstr.) **(Ita)**

[Clinical application of transcutaneous oxygen pressure determination in histamine inhalation test] Igarashi T. **Arerugi** 1984 Dec;33(12):997–1001 (Eng. Abstr.) **(Jpn)**

[Acute effect of prostaglandin E1 in severe heart failure––effects on hemodynamics, blood gases and metabolic responses] Okano H, et al. **Kokyu To Junkan** 1984 Jul;32(7):733-40 (Eng. Abstr.) **(Jpn)**

[Studies on hemoglobin oxygen dissociation in patients with congestive heart failure] Taniguchi N, et al. **Kokyu To Junkan** 1985 Mar;33(3):371-5 (Eng. Abstr.) **(Jpn)**

[In vivo time lag and response time of transcutaneous oxygen monitoring] Andoh T, et al. **Masui** 1985 May;34(5):595-8 (Eng. Abstr.) **(Jpn)**

[Changes of P50 during open heart surgery] Fukuda M, et al. **Masui** 1985 Mar;34(3):307-11 (Eng. Abstr.) **(Jpn)**

[The relationship between preoperative pulmonary blood flow measured by lung perfusion scanning with 99mTc-MAA and values of PaO2 during one-lung anaesthesia] Nomoto Y. **Masui** 1985 Apr;34(4):446-52 (Eng. Abstr.) **(Jpn)**

[Usefulness of transcutaneously monitored oxygen and carbon dioxide tensions during lung lavage and the relationship with simultaneously measured arterial blood-gas levels] Ogawa H, et al. **Masui** 1984 Jul; 33(7):754-60 (Eng. Abstr.) **(Jpn)**

[Changes in P50 values during anesthesia] Saito T. **Masui** 1984 Oct;33(10):1070-7 (Eng. Abstr.) **(Jpn)**

[Experimental study on changes in PaO2 induced by FIO2 change] Shinozaki M, et al. **Masui** 1984 Jul;33(7):703-8 (Eng. Abstr.) **(Jpn)**

[Nocturnal desaturation in patients with chronic lung disease--with special reference to the effect on pulmonary circulation] Sawada M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Mar; 23(3):302-10 (Eng. Abstr.) **(Jpn)**

[The influence of maternal oxygen inhalation for 30 to 60 minutes on fetal oxygenation] Haruta M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct; 36(10):1921-9 (Eng. Abstr.) **(Jpn)**

[Coronary blood changes after chemical cardioplegia and cardiac hypothermia] Furman M, et al. **Kardiol Pol** 1984; 27(5):353-9 (Eng. Abstr.) **(Pol)**

[Blood pressure and blood gases in the internal jugular vein after its ligation] Kowalik S, et al. **Wiad Lek** 1985 Jan 15; 38(2):116-21 (Eng. Abstr.) **(Pol)**

[Value of determining the oxygen saturation of mixed venous blood in myocardial infarction] Widomska-Czekajska T, et al. **Wiad Lek** 1984 Mar 15;37(6):409-14 (Eng. Abstr.) **(Pol)**

[Pulsatile flow in extracorporeal circulation. Presentation of a mechanical system with preliminary hemodynamic and oxygen transport studies] dos Reis CL, et al. **Arq Bras Cardiol** 1984 Oct;43(4):239-44 (Eng. Abstr.) **(Por)**

[Role of the cardiovascular system in providing for 02 transport after open heart surgery] Abbakumov VV, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):36-9 (Eng. Abstr.) **(Rus)**

[Integral oxygen metabolic indices of middle-aged and elderly patients in the course of different phases of peritonitis] Arkatov VA, et al. **Anesteziol Reanimatol** 1985 Mar-Apr;(2):33-4 (Eng. Abstr.) **(Rus)**

[Changes in blood gas composition and acid-base equilibrium during high-frequency artificial pulmonary ventilation] Atakhanov ShE. **Anesteziol Reanimatol** 1984 Jul-Aug; (4):14-7 (Eng. Abstr.) **(Rus)**

[Oxygen transport function of the blood in the presence of reduced hemoglobin concentrations in the blood after open heart surgery] Eremenko AA, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):33-6 (Eng. Abstr.) **(Rus)**

[Regulation of the oxygen metabolism of peritonitis patients in the acute period] Golikov PP, et al. **Anesteziol Reanimatol** 1985 Mar-Apr;(2):30-2 (Eng. Abstr.) **(Rus)**

[Pulsating perfusion during carbon fluoride oxygenation of blood] Ioseliani GD, et al. **Anesteziol Reanimatol** 1984 Jul-Aug;(4):27-30 (Eng. Abstr.) **(Rus)**

[Possibility of the evaluation of the functional activity of human erythrocytes using the 31P-NMR method] Knubovets TL, et al. **Biofizika** 1984 Nov-Dec;29(6):1010-3 (Eng. Abstr.) **(Rus)**

[Determination of hemoglobin affinity for oxygen by a polarographic method] Falkov PM, et al. **Biol Nauki** 1985; (1):105-10 (Eng. Abstr.) **(Rus)**

[Effect of posttraumatic fluctuations in the oxygen tension value in the arterial blood on the intensity of lipid peroxidation in the lungs, liver and myocardium of rats with a lung contusion] Kulitskaia VI, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):276-8 (Eng. Abstr.) **(Rus)**

[Optimal arteriovenous differential in oxygen concentration during physical loading] Obraztsov IF, et al. **Dokl Akad Nauk SSSR** 1985 Jul-Aug;283(1):222-4 **(Rus)**

[Mechanisms of the stabilization of PO2 in the blood in muscle microvessels] Vovenko EP, et al. **Dokl Akad Nauk SSSR** 1985;281(3):745-8 **(Rus)**

[Dynamics of oxygen partial pressure of arterial blood in the sleep cycle of newborn infants of various degrees of maturity] Finkel' ML. **Fiziol Cheloveka** 1984 Jul-Aug; 10(4):597-602 **(Rus)**

[Pulmonary blood flow and arterial blood oxygenation in the healthy human being during 7 days of hypokinesia] Nikolaenko EM, et al. **Fiziol Cheloveka** 1984 May-Jun; 10(3):421-5 **(Rus)**

[Measurement of oxygen consumption and blood flow in the skin by the method of transcutaneous determination of oxygen tension] Kobuliia BG, et al. **Fiziol Zh** 1985 May-Jun;31(3):370-4 **(Rus)**

[External respiration, gas exchange and blood oxygen parameters in acute methemoglobinemia] Seredenko MM, et al. **Fiziol Zh** 1985 May-Jun;31(3):262-6 (Eng. Abstr.) **(Rus)**

[Changes in the indices of external respiration, gas exchange and the oxygen-transporting function of the blood in chronic methemoglobinemia] Sidoriak NG. **Fiziol Zh** 1985 Jan-Feb;31(1):76-9 **(Rus)**

[Changes in the microcirculation in the rat mesentery during hyperoxia] Toporova SG. **Fiziol Zh SSSR** 1983 Jul; 69(7):951-4 **(Rus)**

[Indices of the oxygen-transport properties of the blood and of erythropoiesis in rats after being in a nitrogen-oxygen environment under elevated pressure] Volzhskaia AM, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):320-3 (Eng. Abstr.) **(Rus)**

[Real oxygen transport in myocardial infarct patients in relation to the central hemodynamic type] Golikov AP, et al. **Kardiologiia** 1985 Feb;25(2):61-4 (Eng. Abstr.) **(Rus)**

[Oxygen transport function of the blood in patients with ulcerative gastroduodenal hemorrhage] Matveev SB, et al. **Khirurgiia (Mosk)** 1984 Sep;(9):72-5 (Eng. Abstr.) **(Rus)**

[Hemodynamics and blood oxygen transport following operations on patients with chronic nonspecific suppurative lung diseases] Gorovenko GG, et al. **Klin Khir** 1985 May; (5):25-8 (Eng. Abstr.) **(Rus)**

[Effect of maximum physical exertion on the oxygen transport system of the blood] Ivanov LA, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):69-72 (Eng. Abstr.) **(Rus)**

[Mechanisms of blood oxygenation disorders in the lungs and their correction] Seredenko MM, et al. **Patol Fiziol Eksp Ter** 1984 Jul-Aug;(4):70-2 (Eng. Abstr.) **(Rus)**

[Dyslipoproteinemia, oxygen-transport system of blood and oxygen balance in the tissues at early stages of diabetes mellitus] Galeniuk VA, et al. **Probl Endokrinol (Mosk)** 1985 Jan-Feb;31(1):25-9 (Eng. Abstr.) **(Rus)**

[Role of microcirculatory hemodynamics, blood oxygen balance and carbohydrate metabolism in the pathogenesis of the initial (preclinical) stage of heart failure in ischemic heart disease] Denisiuk VI. **Ter Arkh** 1985;57(1):46-9 (Eng. Abstr.) **(Rus)**

[Utilization of active forms of oxygen and lipoperoxides in the blood of patients with myocardial infarction] Lankin VZ, et al. **Ter Arkh** 1985;57(5):58-62 **(Rus)**

[A method of determining the antioxidative activity of biological matter] Semenov VL, et al. **Ukr Biokhim Zh** 1985 May-Jun;57(3):50-2 (Eng. Abstr.) **(Rus)**

[Oxygen saturation of arterial blood in patients with diabetic retinopathy] Gamm EG, et al. **Vestn Oftalmol** 1984 Nov-Dec;(6):64-5 **(Rus)**

[Acid-base equilibrium and blood gas composition in patients with chronic nonspecific lung diseases] Avilova OM, et al. **Vrach Delo** 1985 Jan;(1):39-42 (Eng. Abstr.) **(Rus)**

[The oxygen-transport function of erythrocytes in atelectasis] Chukhrienko ND. **Vrach Delo** 1985 Apr;(4):59-61 (Eng. Abstr.) **(Rus)**

[Blood oxygenation and the diastolic phase structure in the initial stage of heart failure] Denisiuk VI. **Vrach Delo** 1984 Oct;(10):60-3 (Eng. Abstr.) **(Rus)**

[Levels of respiratory gases and indicators of acid-base status in capillary blood analysis in premature infants and infants small for gestational age] Cvejić A, et al. **Med Pregl** 1985; 38(3-4):143-8 (Eng. Abstr.) **(Scr)**

[Acid-base equilibrium and blood gases in healthy persons over 65 years of age] Litomerický S, et al. **Bratisl Lek Listy** 1985 May;83(5):515-20 (Eng. Abstr.) **(Slo)**

[Relation between the transcutaneous and arterial oxygen tensions in the newborn infant] López Sastre J, et al. **An Esp Pediatr** 1984 Oct 31;21(6):578-82 (Eng. Abstr.) **(Spa)**

[Mechanisms regulating arterial hypoxemia during hemodialysis (letter)] Rodríguez Roisín R. **Med Clin (Barc)** 1985 Jan 26;84(3):123 **(Spa)**

DIAGNOSTIC USE

Comparative assessment of blood flow to canine island flaps. Silverman DG, et al. **Arch Otolaryngol** 1985 Oct; 111(10):677-81

[Effect of a helium-oxygen mixture on maximal expiratory flow rate in children with bronchial asthma] Milanowski A, et al. **Pediatr Pol** 1984 Oct;59(10):805-11 (Eng. Abstr.) **(Pol)**

METABOLISM

Fluorocarbons and the microcirculation. Faithfull NS, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:69-78

Tissue pO2 and pCO2 in the gastrointestinal tract and liver during intravenous vasopressin infusion. An experimental study in pigs. Korsbäck C. **Acta Chir Scand** 1984; 150(8):593-7

Tourniquet effects on muscle oxygen tension in dog limbs. Experiments with cooling and breathing intervals. Nakahara M. **Acta Orthop Scand** 1984 Oct;55(5):576-8

Subchondral PO2 and PCO2 are unaffected in experimental arthrosis. Svalastoga E, et al. **Acta Orthop Scand** 1984 Oct; 55(5):514-6

Oxygen transport to tissue. VI. **Adv Exp Med Biol** 1984; 180:1-924

Transcutaneous oxygen monitoring in the emergency department [letter] Maningas PA, et al. **Am J Emerg Med** 1984 Mar;2(2):181-2

Oxygen tension measurements: a comparison of methodologies. Roscoe WR, et al. **Am J Optom Physiol Opt** 1984 Aug;61(8):538-42

Cerebral vascular autoregulation of blood flow and tissue PO2 in diabetic rats. Rubin MJ, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H540-6

Regulation of tissue oxygen extraction is disturbed in adult respiratory distress syndrome. Kariman K, et al. **Am Rev Respir Dis** 1985 Jul;132(1):109-14

Does almitrine restore halothane-induced depression of hypoxic respiratory drive? [letter] Ward DS. **Anesthesiology** 1984 Nov;61(5):627-8

A simple model for simulation of oxygen transport in the microcirculation. Baxley PT, et al. **Ann Biomed Eng** 1983; 11(5):401-16

Physiology of the placenta--gas exchange. Goplerud JM, et al. **Ann Clin Lab Sci** 1985 Jul-Aug;15(4):270-8

Improved oxygen delivery to tissues and iron chelator transport through the use of lysed and resealed red blood cells: a new perspective on Cooley's anemia therapy. Ropars C, et al. **Ann NY Acad Sci** 1985;445:304-15

Liposome-embedded iron-porphyrins as an artificial oxygen-carrier. Tsuchida E. **Ann NY Acad Sci** 1985; 446:429-42

The role of oxygen radicals as a possible mechanism of tumor promotion. Troll W, et al. **Annu Rev Pharmacol Toxicol** 1985;25:509-28 (125 ref.)

Evidence for the generation of active oxygen by isoniazid treatment of extracts of Mycobacterium tuberculosis H37Ra. Shoeb HA, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):404-7

A photosystem II-phycobilisome preparation from the red alga, Porphyridium cruentum: oxygen evolution, ultrastructure, and polypeptide resolution. Clement-Metral JD, et al. **Arch Biochem Biophys** 1985 Apr;238(1):10-7

Determination of equilibrium constants for a sequential model of dioxygen binding by hemoglobin-inositol hexaphosphate complexes: the structural pathway from deoxy- to oxy-hemoglobin. Knowles FC. **Arch Biochem Biophys** 1985 Jul;240(1):358-68

Neutrophil-generated active oxygens in linear IgA bullous dermatosis. Niwa Y, et al. **Arch Dermatol** 1985 Jan; 121(1):73-8

Urate and ascorbate: their possible roles as antioxidants in determining longevity of mammalian species. Cutler RG. **Arch Gerontol Geriatr** 1984 Dec;3(4):321-48

Increase of the Fe effective charge in hemoproteins during oxygenation process. Bianconi A, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):98-102

Oxygen-mediated cell injury in the killing of cultured hepatocytes by acetaminophen. Gerson RJ, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1129-37

Reactive oxygen species may cause myocardial reperfusion injury. Peterson DA, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):87-93

Measurement of free radical oxygen generation by cytochrome c reduction requirement for cytochrome c oxidase blockade. Schacter LP. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):354-7

Mechanism of the superoxide-producing oxidase of neutrophils. O2 is necessary for the fast reduction of cytochrome b-245 by NADPH. Cross AR, et al. **Biochem J** 1985 Mar 15;226(3):881-4

On the location of the electrogenic step(s) during the process of dioxygen reduction catalysed by cytochrome c oxidase [letter] O'Shea PS, et al. **Biochem J** 1984 Nov 15; 224(1):343-4

Mechanism of protection against 'reperfusion injury' by aprotinin. Roles of polymorphonuclear leucocytes and oxygen radicals. Hallett MB, et al. **Biochem Pharmacol** 1985 May 15;34(10):1757-61

Enhancement of reactive oxygen-dependent mitochondrial membrane lipid peroxidation by the anticancer drug adriamycin. Mimnaugh EG, et al. **Biochem Pharmacol** 1985 Mar 15;34(6):847-56

Binding of oxygen and carbon monoxide to arthropod hemocyanin: an allosteric analysis. Richey B, et al. **Biochemistry** 1985 Jan 1;24(1):109-17

Complex formation and O2 sensitivity of Azotobacter vinelandii nitrogenase and its component proteins. Wang ZC, et al. **Biochemistry** 1985 Jan 1;24(1):214-21

The effects of mono- and divalent salts on the O2-evolution activity and low temperature multiline EPR spectrum of Photosystem II preparations from spinach. Blough NV, et al. **Biochim Biophys Acta** 1984 Nov 26;767(2):377-81

Method for the determination of oxygen consumption rates and diffusion coefficients in multicellular spheroids. Mueller-Klieser W. **Biophys J** 1984 Sep;46(3):343-8

Oxygen-centred free radicals can efficiently degrade the polypeptide of proteoglycans in whole cartilage. Dean RT, et al. **Biosci Rep** 1984 Dec;4(12):1017-26

P50 values determined by tonometry and by simplified techniques. Giunta R, et al. **Boll Soc Ital Biol Sper** 1984 Sep 30;60(9):1819-25

Influence of cerebral spinal fluid on the affinity of human red cells for oxygen. Lanza V, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2345-52

Progesterone enhances reactive oxygen intermediates production by cultured human monocytes. Martinoli C, et al. **Boll Soc Ital Biol Sper** 1984 Oct 30;60(10):1871-7

Dapsone and oxygen intermediates [letter] Miyachi Y. **Br J Dermatol** 1985 Feb;112(2):246

Effects of cetiedil on the oxidative metabolism of activated polymorphonuclear leucocytes. Kohzaki H, et al. **Br J Haematol** 1985 Jul;60(3):531-9

Fluorescent markers of hypoxic cells: a comparison of two compounds on three cell lines. Begg AC, et al. **Br J Radiol** 1985 Jul;58(691):645-54

Transcutaneous PO2 measurement. Tremper KK. **Can Anaesth Soc J** 1984 Nov;31(6):664-77 (72 ref.)

Role of reactive oxygen intermediates in the interferon-mediated depression of hepatic drug metabolism and protective effect of N-acetylcysteine in mice. Ghezzi P, et al. **Cancer Res** 1985 Aug;45(8):3444-7

Lysis of tumor cells by human blood monocytes by a mechanism independent of activation of the oxidative burst. Kleinerman ES, et al. **Cancer Res** 1985 May;45(5):2058-64

Induction of 5,6-ring-saturated thymine bases in NIH-3T3 cells by phorbol ester-stimulated macrophages: role of reactive oxygen intermediates. Lewis JG, et al. **Cancer Res** 1985 Mar;45(3):1270-5

Reactive oxygen dependent activation of polycyclic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes. Trush MA, et al. **Carcinog Compr Surv** 1985;8:293-303

Enhancing effects of N-acetyl-chito-oligosaccharides on the active oxygen-generating and microbicidal activities of peritoneal exudate cells in mice. Suzuki K, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):886-8

Quantitative structure-in vivo half-life relationships of perfluorochemicals for use as oxygen transporters. Yamanouchi K, et al. **Chem Pharm Bull (Tokyo)** 1985 Mar;33(3):1221-31

Arterial oxygen desaturation following salbutamol inhalation in acute asthma. Tal A, et al. **Chest** 1984 Dec;86(6):868-9

Direct observation of the 'oxygen paradox' in single rat ventricular myocytes. Stern MD, et al. **Circ Res** 1985 Jun;56(6):899-903

Effects of nifedipine on systemic and regional oxygen transport and metabolism at rest and during exercise. Choong CY, et al. **Circulation** 1985 Apr;71(4):787-96

Exercise capacity in subjects with high oxygen affinity. Länsimies E, et al. **Clin Physiol** 1985;5 Suppl 3:69-73

Transport by gas-phase diffusion: lessons learned from the hen's egg. Rahn H, et al. **Clin Physiol** 1985;5 Suppl 3:1-7

Oxygen transfer as an indicator of perfusion variability in the isolated human placental lobule. Wier PJ, et al. **Contrib Gynecol Obstet** 1985;13:127-31

Simultaneous monitoring of transcutaneous blood gases and heart-rate variability in neonates. Äärimaa T, et al. **Crit Care Med** 1985 Jan;13(1):9-11

Detection of blood volume deficits through conjunctival oxygen tension monitoring. Abraham E, et al. **Crit Care Med** 1984 Nov;12(11):931-4

Noninvasive arterial hemoglobin oxygen saturation versus transcutaneous oxygen tension monitoring in the preterm infant. Deckardt R, et al. **Crit Care Med** 1984 Nov;12(11):935-9

Oxygen transport and utilization in hyperoxia and hypoxia: relation of conjunctival and transcutaneous oxygen tensions to hemodynamic and oxygen transport variables. Fink S, et al. **Crit Care Med** 1984 Nov;12(11):943-8

Early physiologic changes in canine fecal peritonitis. Jorge MA, et al. **Crit Care Med** 1985 May;13(5):423-5

Continuous monitoring of arterial and tissue PCO2. Kohama A, et al. **Crit Care Med** 1984 Nov;12(11):940-2

Effect of hemorrhagic shock on conjunctival and transcutaneous oxygen tensions in relation to hemodynamic and oxygen transport changes. Shoemaker WC, et al. **Crit Care Med** 1984 Nov;12(11):949-52

Evidence for two oxygen-linked binding sites for polyanions in dromedary hemoglobin. Amiconi G, et al. **Eur J Biochem** 1985 Jul 15;150(2):387-93

Oxygen-binding characteristics of Potamilla chlorocruorin. Imai K, et al. **Eur J Biochem** 1985 Mar 15;147(3):453-63

Oxygen binding to dithionite-reduced chloroperoxidase. Lambeir AM, et al. **Eur J Biochem** 1985 Feb 15;147(1):93-6

Dioxygen-activating iron center in putidamonooxin. Electron spin resonance investigation of the nitrosylated putidamonooxin. Twilfer H, et al. **Eur J Biochem** 1985 Feb 15;147(1):171-6

The 15O continuous-inhalation method: correction for intravascular signal using C15O. Pantano P, et al. **Eur J Nucl Med** 1985;10(9-10):387-91

The influence of altered blood volume and oxygen transport capacity on aerobic performance. Gledhill N. **Exerc Sport Sci Rev** 1985;13:75-93 (63 ref.)

Nature of the FeO2 bonding in myoglobin: an overview from physical to clinical biochemistry. Shikama K. **Experientia** 1985 Jun 15;41(6):701-6 (33 ref.)

Involvement of reactive oxygen species in the microsomal S-oxidation of thiobenzamide. Younes M. **Experientia** 1985 Apr 15;41(4):479-81

Reactions of the semiquinone free radicals of anti-tumour agents with oxygen and iron complexes. Butler J, et al. **FEBS Lett** 1985 Mar 11;182(1):95-8

Cortisol metabolism in human placenta and decidua is resistant to anoxia. López Bernal A, et al. **Horm Metab Res** 1985 Mar;17(3):167

A study of the differential respiratory burst activity elicited by promastigotes and amastigotes of Leishmania donovani in murine resident peritoneal macrophages. Channon JY, et al. **Immunology** 1984 Oct;53(2):345-55

Erythrocyte enhancement of C3b-mediated phagocytosis by human neutrophils in vitro: a combined effect of the erythrocyte complement receptors CR1 and erythrocyte scavengers to reactive oxygen metabolites (ROM). Forslid J, et al. **Immunology** 1985 May;55(1):97-103

HEPES may stimulate cultured endothelial cells to make growth-retarding oxygen metabolites. Bowman CM, et al. **In Vitro Cell Dev Biol** 1985 Mar;21(3 Pt 1):140-2

Generation of oxygen species and virulence of Listeria monocytogenes. Godfrey RW, et al. **Infect Immun** 1985 Mar;47(3):837-9

Use of a perfluorochemical emulsion to improve oxygenation in a solid tumor. Rockwell S. **Int J Radiat Oncol Biol Phys** 1985 Jan;11(1):97-103

Free oxygen radicals: necessary contributors to tumor promotion and cocarcinogenesis. Troll W, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983;14:207-18 (51 ref.)

Gas flux through human skin: effect of temperature, stripping, and inspired tension. Baumgardner JE, et al. **J Appl Physiol** 1985 May;58(5):1536-45

O2 exchange between blood and brain tissues studied with 18O2 indicator-dilution technique. Grieb P, et al. **J Appl Physiol** 1985 Jun;58(6):1929-41

O2 transport in ponies during treadmill exercise. Pan LG, et al. **J Appl Physiol** 1984 Sep;57(3):744-52

Kinetics of oxygen and carbon monoxide binding to liver fluke (Dicrocoelium dendriticum) hemoglobin. An extreme case? Di Iorio EE, et al. **J Biol Chem** 1985 Feb 25;260(4):2160-4

Characterization of the cycle of iron-mediated electron transfer from Adriamycin to molecular oxygen. Gianni L, et al. **J Biol Chem** 1985 Jun 10;260(11):6820-6

Oxygen exchange between phosphate and water accompanies calcium-regulated ATPase activity of skinned fibers from rabbit skeletal muscle. Hibberd MG, et al. **J Biol Chem** 1985 Mar 25;260(6):3496-500

Mechanism of electron transfer to coordinated dioxygen of oxyhemoglobins to yield peroxide and methemoglobin. Protein control of electron donation by aquopentacyanoferrate(II). Kawanishi S, et al. **J Biol Chem** 1985 Apr 25;260(8):4622-31

Resonance Raman studies of CO and O2 binding to elephant myoglobin (distal His(E7)----Gln). Kerr EA, et al. **J Biol Chem** 1985 Jul 15;260(14):8360-5

Regulation of the oxidative response of human granulocytes to chemoattractants. No evidence for stimulated traffic of redox enzymes between endo and plasma membranes. Parkos CA, et al. **J Biol Chem** 1985 Jun 10;260(11):6541-7

Resonance Raman evidence for the activation of dioxygen in horseradish oxyperoxidase. Van Wart HE, et al. **J Biol Chem** 1985 Jul 15;260(14):8372-7

Equivalence between one step kinetics and Hill's equation. Sharon M, et al. **J Biomed Eng** 1984 Oct;6(4):297-301

Stimulation of phospholipase A2 activity by oxygen-derived free radicals in isolated brain capillaries. Au AM, et al. **J Cell Biochem** 1985;27(4):449-53

Role of granulocyte oxygen products in damage of Schistosoma mansoni eggs in vitro. Kazura JW, et al. **J Clin Invest** 1985 Apr;75(4):1297-307

Oxygen free radicals in ischemic acute renal failure in the rat. Paller MS, et al. **J Clin Invest** 1984 Oct;74(4):1156-64

Decreased oxygen radical generation by neutrophils from patients with measles presumably owing to activation of suppressor T lymphocytes. Niwa Y, et al. **J Clin Microbiol** 1985 Mar;21(3):318-22

Oxygen metabolism in phagocytes of leprotic patients: enhanced endogenous superoxide dismutase activity and hydroxyl radical generation by clofazimine. Niwa Y, et al. **J Clin Microbiol** 1984 Nov;20(5):837-42

Role of oxygen radicals in the bacteriostatic effect of whey and production of bacterial growth by free radical scavengers. Mattila T. **J Dairy Res** 1985 Feb;52(1):149-57

Repetitive reduction of uterine blood flow and its influence on fetal transcutaneous PO2 and cardiovascular variables. Jensen A, et al. **J Dev Physiol** 1985 Apr;7(2):75-87

Serum factor requirement for reactive oxygen intermediate release by rabbit alveolar macrophages. Gerberick GF, et al. **J Exp Med** 1985 Feb 1;161(2):392-408

Metronidazole radical anion generation in vivo in Trichomonas vaginalis: oxygen quenching is enhanced in a drug-resistant strain. Lloyd D, et al. **J Gen Microbiol** 1985 Jan;131 (Pt 1):87-92

Rapid killing of actinomycin D-treated tumor cells by human monocytes. II. Cytotoxicity is independent of secretion of reactive oxygen intermediates and is suppressed by protease inhibitors. Colotta F, et al. **J Immunol** 1985 May;134(5):3524-31

Regulation of the Fc-receptor-mediated respiratory burst: treatment of primed murine peritoneal macrophages with lipopolysaccharide selectively inhibits H2O2 secretion stimulated by immune complexes. Johnston PA, et al. **J Immunol** 1985 Jul;135(1):513-8

Human mononuclear phagocyte antiprotozoal mechanisms: oxygen-dependent vs oxygen-independent activity against intracellular Toxoplasma gondii. Murray HW, et al. **J Immunol** 1985 Mar;134(3):1982-8

Oxidant membrane injury by the neutrophil myeloperoxidase system. I. Characterization of a liposome model and injury by myeloperoxidase, hydrogen peroxide, and halides. Sepe SM, et al. **J Immunol** 1985 Mar;134(3):1888-95

Oxidant membrane injury by the neutrophil myeloperoxidase system. II. Injury by stimulated neutrophils and protection by lipid-soluble antioxidants. Sepe SM, et al. **J Immunol** 1985 Mar;134(3):1896-901

Flow cytometric quantitation of oxidative product formation by polymorphonuclear leukocytes during phagocytosis. Szejda P, et al. **J Immunol** 1984 Dec;133(6):3303-7

Comparative susceptibility of group B streptococci and Staphylococcus aureus to killing by oxygen metabolites. Wilson CB, et al. **J Infect Dis** 1985 Aug;152(2):323-9

Flow-flash, time-resolved resonance Raman spectroscopy of the oxidation of reduced and of mixed valence cytochrome oxidase by dioxygen. Babcock GT, et al. **J Inorg Biochem** 1985 Mar-Apr;23(3-4):243-51

A stopped-flow study of the reaction of reduced cytochrome oxidase with oxygen. Balny C, et al. **J Inorg Biochem** 1985 Mar-Apr;23(3-4):253-8

Oxygen affinity of bovine haemoglobin. Relevance of electrostatic and hydrophobic interactions. Vitrano E, et al. **J Mol Biol** 1984 Dec 25;180(4):1157-71

Neutrophil-derived, oxygen free radical-mediated cardiovascular dysfunction. Rowe GT, et al. **J Mol Cell Cardiol** 1984 Nov;16(11):1075-9

Effect of reactive oxygen species on myelin membrane proteins. Konat GW, et al. **J Neurochem** 1985 Oct;45(4):1113-8

Release of polyunsaturated fatty acids from phospholipids and alteration of brain membrane integrity by oxygen-derived free radicals. Chan PH, et al. **J Neurosci Res** 1984;12(4):595-605

Reliability of transcutaneous measurement of oxygen and carbon dioxide partial pressure with a combined Po2-Pco2 electrochemical sensor in the fetus during labor. Schmidt S, et al. **J Perinat Med** 1985;13(3):127-33

Oxygen--friend and foe. Nunn JF. **J R Soc Med** 1985 Aug;78(8):618-22

Prevention of free radical-induced myocardial reperfusion injury with allopurinol. Stewart JR, et al. **J Thorac Cardiovasc Surg** 1985 Jul;90(1):68-72

Oxygen inhalation--induced transcutaneous PO2 changes as a predictor of amputation level. Harward TR, et al. **J Vasc Surg** 1985 Jan;2(1):220-7

The effect of nitrate on the oxygen availability during exercise in effort angina pectoris. Yamabe H, et al. **Jpn Heart J** 1984 Nov;25(6):1019-28

Metal chelation therapy, oxygen radicals, and human disease [editorial] **Lancet** 1985 Jan 19;1(8421):143-5

Experimental evidence against middle ear oxygen absorption. Buckingham RA, et al. **Laryngoscope** 1985 Apr;95(4):437-42

Is the terminal degradation of neurofilaments regulated by mitochondrial production of oxygen radicals? Elomaa E, et al. **Med Hypotheses** 1985 Mar;16(3):261-3

Muscle tissue oxygen pressure in patients with arterial occlusive disease. Creutzig A, et al. **Microvasc Res** 1985 May;29(3):350-9

Participation of active oxygen species in the induction of chromosomal aberrations by cadmium chloride in cultured Chinese hamster cells. Ochi T, et al. **Mutat Res** 1985 Jul;143(3):137-42

Oxygen affinity of erythrocytes and pulmonary gas exchange in patients on continuous ambulatory peritoneal dialysis. Blumberg A, et al. **Nephron** 1984;38(4):248-52

Alterations of regional cerebral blood flow and oxygen metabolism in Parkinson's disease. Wolfson LI, et al. **Neurology** 1985 Oct;35(10):1399-405

Effect of changes in oxygen tension on vascular and platelet hydroxyacid metabolites. II. Hypoxia increases 15-hydroxyeicosatetraenoic acid, a proangiogenic metabolite. Setty BN, et al. **Pediatrics** 1985 May;75(5):911-5

Free radicals and disease in man. Proctor PH, et al. **Physiol Chem Phys Med NMR** 1984;16(3):175-95 (265 ref.)

The excitable membrane of phagocytic leukocytes. Karnovsky ML, et al. **Prog Clin Biol Res** 1984;164:347-54

Tumor-to-tumor variability in the hypoxic fractions of experimental rodent tumors. Rockwell S, et al. **Radiother Oncol** 1984 Jun;2(1):57-64

Prooxidant states and tumor promotion. Cerutti PA. **Science** 1985 Jan 25;227(4685):375-81 (83 ref.)

Ultrastructural changes in V79 hamster lung fibroblasts during hypoxic exposure. Jacobson EA, et al. **Virchows Arch [Cell Pathol]** 1985;49(1):23-43

The effect of anaerobiosis on adenosine triphosphate levels in larval Nippostrongylus brasiliensis and Haemonchus contortus. Onwuliri CO. **Z Parasitenkd** 1984;70(5):667-71

[Effects of anoxia and reoxygenation on the myocardial metabolism of hyperenergetic compounds in rats] Chen LY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Mar;13(1):58-61 **(Chi)**

[The oxygen and calcium paradox in cardiac muscle] Pelouch V, et al. **Cesk Fysiol** 1984;33(4):380-6 **(Cze)**

[Pulmonary oxygen transfer under a respirator in anesthesia and resuscitation] Gay R, et al. **Bull Eur Physiopathol Respir** 1985 May-Jun;21(3):257-61 (Eng. Abstr.) **(Fre)**

[In vitro malondialdehyde formation in brain structure: a method to characterize antihypoxic properties] Blaschke M, et al. **Biomed Biochim Acta** 1985;44(2):301-9 (Eng. Abstr.) (Ger)

[Detection of macrophage activity in the blood and synovia of chronic polyarthritis patients using an activated oxygen microassay] Schmitz E, et al. **Immun Infekt** 1985 Feb; 13(1):33-4 (Eng. Abstr.) (Ger)

[Aero-thermophilic stabilization of sewage sludge] Leschber R, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1984; 57:147-59 (Ger)

[Liberation of the oxygen radical from peripheral human phagocytes (granulocytes and monocytes) in patients with chronic polyarthritis] Meske S, et al. **Z Rheumatol** 1985 Jan-Feb;44(1):41-5 (Eng. Abstr.) (Ger)

[Effect of perfluorochemicals on tissue PO2 levels in a subcutaneous 9L rat glioma model] Kokunai T, et al. **Gan To Kagaku Ryoho** 1984 Oct;11(10):2207-11 (Eng. Abstr.) (Jpn)

[Cerebral blood flow, cerebral oxygen metabolism, cerebral glucose metabolism, and tissue pH in human acute cerebral infarction using positron emission tomography] Kitamura S, et al. **No To Shinkei** 1985 Jan;37(1):56-64 (Eng. Abstr.) (Jpn)

[Influence of Corynebacterium parvum, BCG, OK-432 and Lactobacillus casei on the hepatic drug-metabolizing systems and on the oxygen radical production by fixed macrophages in liver of BALB/c mouse] Hashimoto S, et al. **Yakugaku Zasshi** 1984 Apr;104(4):356-61 (Eng. Abstr.) (Jpn)

[Generation of superoxides during the interaction of melanins with oxygen] Lapina VA, et al. **Biokhimiia** 1984 Oct; 49(10):1712-8 (Eng. Abstr.) (Rus)

[Synthesis and analysis of glycol bis-phosphates, regulators of reversible hemoglobin oxygenation] Chuvilin AN, et al. **Bioorg Khim** 1985 Jun;11(6):845-8 (Eng. Abstr.) (Rus)

[Mechanism of oxygen exchange in the amide group of substrates during their hydrolysis catalyzed by leucine aminopeptidase and pepsin] Kapitannikov IuV, et al. **Bioorg Khim** 1983 Feb;9(2):228-31 (Eng. Abstr.) (Rus)

[Determination of the biochemical oxygen demand in nutrient media using microbial flow-through electrodes] Kulis IuIu, et al. **Prikl Biokhim Mikrobiol** 1984 Nov-Dec;20(6):831-5 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Effect of breathing of a helium-oxygen mixture on the adaptation of the organism to exercise. Debiński W, et al. **Acta Physiol Pol** 1984 May-Jun;35(3):285-92

Radiation dose dependence of the sensitization by oxygen and oxygen mimic sensitizers. Révész L, et al. **Acta Radiol [Oncol]** 1985 May-Jun;24(3):209-17 (52 ref.)

Direct effects of oxygen toxicity during the cardiac 'oxygen paradox'. Gauduel Y, et al. **Adv Exp Med Biol** 1984; 180:451-61

Effect of hyperoxia on the carbohydrate metabolism of human lymphocytes. Sagone AL Jr. **Am J Hematol** 1985 Mar;18(3):269-74

Effects of oxygen radicals on cerebral arterioles. Wei EP, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):H157-62

Patterns of accumulation of platelets and neutrophils in rat lungs during exposure to 100% and 85% oxygen. Barry BE, et al. **Am Rev Respir Dis** 1985 Sep;132(3):548-55

Ventilatory muscle function during exercise in air and oxygen in patients with chronic air-flow limitation. Bye PT, et al. **Am Rev Respir Dis** 1985 Aug;132(2):236-40

Mechanical ventilation with 100% oxygen does not increase intrapulmonary shunt in patients with severe bacterial pneumonia. Lampron N, et al. **Am Rev Respir Dis** 1985 Mar;131(3):409-13

The effects of eicosanoid synthesis inhibitors on normoxic and hypoxic pulmonary vascular tone in dogs. Rubin LJ, et al. **Am Rev Respir Dis** 1985 Jul;132(1):93-8

High-frequency ventilation attenuation of hypoxic pulmonary vasoconstriction. The role of prostacyclin. Wetzel RC, et al. **Am Rev Respir Dis** 1985 Jul;132(1):99-103

Anaesthetic carrier gases. Their effect on middle-ear pressure peri-operatively. Mann MS, et al. **Anaesthesia** 1985 Jan; 40(1):8-11

Oxygen- and time-dependent effects of antibiotics and selected mitochondrial inhibitors on Plasmodium falciparum in culture. Divo AA, et al. **Antimicrob Agents Chemother** 1985 Jan;27(1):21-7

Effect of hyperbaric oxyhelium gas on response of bacteria to antimicrobial agents in vitro. Kenward MA, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):833-6

Mixed carbon source utilization of meat-spoiling Pseudomonas fragi 72 in relation to oxygen limitation and carbon dioxide inhibition. Molin G. **Appl Environ Microbiol** 1985 Jun;49(6):1442-7

Effect of temperature, pH, and oxygen level on the multiplication of naturally occurring Legionella pneumophila in potable water. Wadowsky RM, et al. **Appl Environ Microbiol** 1985 May;49(5):1197-205

Characterization of the O2-induced manganese-containing superoxide dismutase from Bacteroides fragilis. Gregory EM. **Arch Biochem Biophys** 1985 Apr;238(1):83-9

Phosphorus-31 nuclear magnetic resonance investigation of the in vivo regulation of intracellular pH in cell suspension cultures of Nicotiana tabacum: the effects of oxygen supply, nitrogen, and external pH change. Wray V, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):731-40

Antiarrhythmic and electrophysiological actions of flecainide, bepridil and amiodarone on isolated heart preparations during controlled hypoxia. Dietrich H, et al. **Arch Int Pharmacodyn Ther** 1985 Apr;274(2):267-82

Oxygen protection of nitrogenase in Frankia sp. HFPArI3. Murry MA, et al. **Arch Microbiol** 1984 Oct;139(2-3):162-6

Cardioprotective action of the new stable epoprostenol analogue CG 4203 in rat models of cardiac hypoxia and ischemia. Müller B, et al. **Arzneimittelforsch** 1984; 34(11):1506-9

100% oxygen breathing during acute heat stress: effect on sweat composition. Iyer EM, et al. **Aviat Space Environ Med** 1983 Mar;54(3):232-5

Active oxygen species at the origin of sister chromatid exchanges. Emerit I. **Basic Life Sci** 1984;29 Pt A:127-40 (55 ref.)

The protective effects of taurine on hypoxia (performed in the absence of glucose) and on reoxygenation (in the presence of glucose) in guinea-pig heart. Franconi F, et al. **Biochem Pharmacol** 1985 Aug 1;34(15):2611-5

Alteration of alveolar surfactant function after exposure to oxidative stress and to oxygenated and native arachidonic acid in vitro. Seeger W, et al. **Biochim Biophys Acta** 1985 Jun 14;835(1):58-67

Influence of oxygen on the microsomal electron transport system in Saccharomyces cerevisiae. Bertrand JC, et al. **Biochimie** 1984 Jul-Aug;66(7-8):583-8

The effect of oxygen on the amplitude of photodriven electron transfer across the lipid bilayer-water interface. Ilani A, et al. **Biophys J** 1985 May;47(5):679-84

Binding of misonidazole to hypoxic cells in monolayer and spheroid culture: evidence that a side-chain label is bound as efficiently as a ring label. Raleigh JA, et al. **Br J Cancer** 1985 Feb;51(2):229-35

The mechanism of adenosine release from hypoxic rat liver cells. Belloni FL, et al. **Br J Pharmacol** 1985 Jun; 85(2):441-6

The effects of hyperoxia on oxygen uptake during acute anemia. Chapler CK, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):809-14

Application of radiobiologic principles to radiation therapy. Suit HD. **Cancer** 1968 Oct;22(4):809-15 (36 ref.)

Oxygen dependence of hematoporphyrin derivative-induced photoinactivation of Chinese hamster cells. Mitchell JB, et al. **Cancer Res** 1985 May;45(5):2008-11

Oxygen dependence of the photosensitizing effect of hematoporphyrin derivative in NHIK 3025 cells. Moan J, et al. **Cancer Res** 1985 Apr;45(4):1608-10

Characterization of an oxygen-tolerant cell line derived from Chinese hamster ovary. Antioxygenic enzyme levels and ultrastructural morphometry of peroxisomes and mitochondria. van der Valk P, et al. **Cell Tissue Res** 1985; 239(1):61-8

Effect of hypoxia on the release of prostaglandin, prostacyclin, and thromboxane in perfused human placenta. Ekblad U, et al. **Contrib Gynecol Obstet** 1985;13:173

Effects of oxygen on the disposition of nitrofurantoin in intact rat lung. Minchin RF, et al. **Drug Metab Dispos** 1984 Nov-Dec;12(6):787-9

A study of spontaneous and evoked activity in the rat hippocampus under helium-oxygen high pressure. Fagni L, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar; 60(3):267-75

Increased tolerance to cold induced by hyperoxia in hypothermic dogs. Therminarias A, et al. **Exp Biol** 1985; 43(3):183-9

Oxygen dependence of nuclear DNA replication in Ehrlich ascites cells. Probst H, et al. **Exp Cell Res** 1984 Oct; 154(2):327-41

Modulation of oxidant lung injury by using liposome-entrapped superoxide dismutase and catalase. Freeman BA, et al. **Fed Proc** 1985 Jul;44(10):2591-5

Pretreatment with coenzyme Q10 protects guinea pig ventricular muscle from hypoxia-induced deterioration of action potentials and contraction. Aomine M, et al. **Gen Pharmacol** 1985;16(2):91-6

Extracranial vascular responses to sublingual nitroglycerin and oxygen inhalation in cluster headache patients. Drummond PD, et al. **Headache** 1985 Mar;25(2):70-4

Interaction of radiation-generated radicals with myoglobin in aqueous solution. III. Effects of oxygen and catalase on the product distribution in solutions of ferrimyoglobin containing N2O. Whitburn KD, et al. **Int J Radiat Biol** 1985 Feb;47(2):167-79

Effect of oxy radicals on several types of collagen. Monboisse JC, et al. **Int J Tissue React** 1984;6(5):385-90

Influence of NaCl, NaNO2 and oxygen on the germination and growth of Bacillus licheniformis, a spoilage organism of chub-packed luncheon meat. Bell RG, et al. **J Appl Bacteriol** 1984 Dec;57(3):523-30

Effect of a single breath of 100% oxygen on respiration in neonates during sleep. Aizad T, et al. **J Appl Physiol** 1984 Nov;57(5):1531-5

Mechanisms of interaction between oxygen and granulocytes in hyperoxic lung injury. Krieger BP, et al. **J Appl Physiol** 1985 Apr;58(4):1326-30

Oxygen does not directly regulate carotenoid biosynthesis in Rhodopseudomonas capsulata. Biel AJ, et al. **J Bacteriol** 1985 Jun;162(3):1320-1

Oxygen regulation in Salmonella typhimurium. Strauch KL, et al. **J Bacteriol** 1985 Feb;161(2):673-80

Effects of light, oxygen, and substrates on steady-state levels of mRNA coding for ribulose-1,5-bisphosphate carboxylase and light-harvesting and reaction center polypeptides in Rhodopseudomonas sphaeroides. Zhu YS, et al. **J Bacteriol** 1985 Jun;162(3):925-32

The regulation of peroxisomal enzyme systems of Tetrahymena pyriformis by fatty acid composition, glucose and oxygen in the medium. Takei M, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1631-6

O2-triggered changes of membrane fatty acid composition have no effect on Arrhenius discontinuities of respiration in sycamore (Acer pseudoplatanus L.) cells. Bligny R, et al. **J Biol Chem** 1985 Aug 5;260(16):9166-70

Steroid product-induced, oxygen-mediated damage of microsomal cytochrome P-450 enzymes in Leydig cell cultures. Relationship to desensitization. Quinn PG, et al. **J Biol Chem** 1985 Feb 25;260(4):2092-9

Effect of oxygen and endotoxin on lactate dehydrogenase release, 5-hydroxytryptamine uptake, and antioxidant enzyme activities in endothelial cells. Block ER, et al. **J Cell Physiol** 1985 Feb;122(2):240-8

Respiratory and cardiovascular responses to hyperoxia, hypoxia and hypercapnia in the renal hypertensive rabbit: role of carotid body chemoreceptors. Angell-James JE, et al. **J Hypertens** 1985 Jun;3(3):213-23

The synergistic influence of human interferon-gamma and interferon-alpha on suppression of hematopoietic progenitor cells is additive with the enhanced sensitivity of these cells to inhibition by interferons at low oxygen tension in vitro. Broxmeyer HE, et al. **J Immunol** 1985 Oct;135(4):2502-6

Modulation of endotoxin-induced neutrophil alveolitis by captopril and by hyperoxia. Rinaldo JE, et al. **J Leukocyte Biol** 1985 Jan;37(1):87-99

Effect of some free radical scavengers on reperfusion induced arrhythmias in the isolated rat heart. Woodward B, et al. **J Mol Cell Cardiol** 1985 May;17(5):485-93

In vitro cultivation of Dipetalonema viteae third-stage larvae: effect of the gas phase. Franke ED, et al. **J Parasitol** 1984 Aug;70(4):493-8

Radiosensitization of Bacillus megaterium spores by combinations of oxygen and misonidazole. Salih FM. **J Radiat Res (Tokyo)** 1984 Jun;25(2):160-9

Effects of breathing high concentrations of oxygen on PWC170. Yamaji K, et al. **J Sports Med Phys Fitness** 1985 Mar-Jun;25(1-2):1-4

Oxygen dependence of oestrogen production by human placental microsomes and cultured choriocarcinoma cells. Aw TY, et al. **J Steroid Biochem** 1985 Jun;22(6):753-8

Effects of 100% oxygen breathing on the capillary filtration coefficient in rabbit lungs. Matalon S, et al. **Microvasc Res** 1985 Jan;29(1):70-80

The effect of vitamin C on oxygen radical-induced sister-chromatid exchanges. Weitberg AB, et al. **Mutat Res** 1985 Sep;144(1):23-6

The effects of temperature- and oxygen-acclimation on phospholipids of goldfish (Carassius auratus L.) brain microsomes. Chang MC, et al. **Neurochem Res** 1985 Mar; 10(3):355-75

Altered retinal vascular response to 100% oxygen breathing in diabetes mellitus. Grunwald JE, et al. **Ophthalmology** 1984 Dec;91(12):1447-52

Effect of maternal oxygen inhalation on the fetus with growth retardation. Vileisis RA. **Pediatr Res** 1985 Mar; 19(3):324-7

Pulmonary vascular response to oxygen in infants with severe bronchopulmonary dysplasia. Abman SH, et al. **Pediatrics** 1985 Jan;75(1):80-4

Prevention of some electrophysiologic and biochemical abnormalities with oxygen supplementation in experimental diabetic neuropathy. Low PA, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6894-8

Oxygen regulation of anaerobic and aerobic genes mediated by a common factor in yeast. Lowry CV, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6129-33

Base (O.-2, e-, or OH-)-induced autoxygenation of organic substrates: a model chemical system for cytochrome P-450-catalyzed monoxygenation and dehydrogenation by dioxygen. Sawyer DT, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):8025-7

Chemical sensitizers for hypoxic cells: a decade of experience in clinical radiotherapy. Dische S. **Radiother Oncol** 1985 Feb;3(2):97-115 (81 ref.)

The effect of breathing 100% oxygen on lung response to radiation in mice. Travis EL, et al. **Radiother Oncol** 1985 Feb;3(2):177-9

Stimulation of growth of the chick embryo by acute hyperoxia. Stock MK, et al. **Respir Physiol** 1984 Dec; 58(3):351-8

The ventilatory and acid-base physiology of the toad, Bufo marinus, during exposure to environmental hyperoxia. Toews DP, et al. **Respir Physiol** 1985 Feb;59(2):225-9

Influence of nitrogen, oxygen, air and alveolar gas upon surface tension of lung surfactant. Wildeboer-Venema F. **Respir Physiol** 1984 Oct,58(1):1-14

Anaerobes and exposure to oxygen. Shoesmith JG, et al. **Soc Appl Bacteriol Symp Ser** 1984;(12):127-46 (62 ref.)

Hyperoxia and paraquat alter the kinetics of platelet serotonin uptake. Mais DE, et al. **Toxicol Appl Pharmacol** 1984 Oct; 76(1):1-8

Some implications of augmented collagen levels with bleomycin exposure or hyperoxic exposure of lung fibroblasts: fibrosis as altered phenotypic expression. Robin ED, et al. **Trans Assoc Am Physicians** 1983;96:412-6

CNS reactions at 51 ATA on trimix and heliox and during decompression. Vaernes R, et al. **Undersea Biomed Res** 1985 Mar;12(1):25-39

Effect of O2 tension on the bioactivation and metabolism of aliphatic halides by primary rat-hepatocyte cultures. DiRenzo AB, et al. **Xenobiotica** 1984 Jul;14(7):521-5

[Effect of oxygen at various pressures on intracranial pressure] Gu ZZ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Feb; 18(1):17-20 (Eng. Abstr.) **(Chi)**

[Effects of low O2 tension on platelet aggregation] Coppola L, et al. **Boll Soc Ital Biol Sper** 1984 Sep 30;60(9):1805-10 (Eng. Abstr.) **(Ita)**

[The oxygen tolerance of some strict anaerobes from periodontal diseases] Kitagaki K, et al. **Kansenshogaku Zasshi** 1984 Nov;58(11):1170-6 (Eng. Abstr.) **(Jpn)**

[Roles of potassium and oxygen in hypothermic cardioplegic myocardial protection] Maeda S, et al. **Rinsho Kyobu Geka** 1984 Jul;4(4):413-7 (Eng. Abstr.) **(Jpn)**

[Importance of the oxygenation of cardioplegic solutions for myocardial protection in cardiac surgery] Gomes OM. **Arq Bras Cardiol** 1984 Dec;43(6):389-96 (Eng. Abstr.) **(Por)**

[Links in the histamine metabolism in the brain of rats with sequential exposure to low- and high-pressure oxygen] Korobova LN, et al. **Biol Nauki** 1985;(5):33-8 (Eng. Abstr.) **(Rus)**

[Effects of breathing helium-oxygen gaseous mixtures with various oxygen levels on the hydrogenating carbohydrase activity of rat blood] Beresovskiĭ VA, et al. **Fiziol Zh** 1985 Mar-Apr;31(2):164-70 (Eng. Abstr.) **(Rus)**

[Characteristics of vascular smooth muscle reaction to oxygen in glycolysis blockade in the vascular wall] Solov'ev AI. **Fiziol Zh** 1984 Nov-Dec;30(6):733-6 **(Rus)**

[Participation of peptide mechanisms in physiological reactions of the cardiovascular system to hyperoxia] Filatov AV. **Fiziol Zh SSSR** 1985 Jan;71(1):120-5 (Eng. Abstr.) **(Rus)**

[Importance of adrenoreactive vessels in the mechanisms of the vasoconstrictor response to hyperoxia] Leonov AN, et al. **Fiziol Zh SSSR** 1985 Jan;71(1):126-30 (Eng. Abstr.) **(Rus)**

[Genetic control of the modification of the radiosensitivity of yeasts by oxygen and hypoxic sensitizers] Zhurakovskaia GP, et al. **Genetika (Moskva)** 1984 Aug;20(8):1311-7 (Eng. Abstr.) **(Rus)**

[The role of hypoxia in the effect of glucose load on irradiated tumor cells] Iarmonenko SP, et al. **Radiobiologiia** 1985 Mar-Apr;25(2):196-9 (Eng. Abstr.) **(Rus)**

[The effect of oxygen on denaturation and aggregation of enzyme macromolecules during gamma-irradiation] Kharchenko LI, et al. **Radiobiologiia** 1984 Sep-Oct; 24(5):643-6 (Eng. Abstr.) **(Rus)**

[The role of the hypoxic mechanism in the radioprotective effect of mezaton] Orlovskiĭ AA, et al. **Radiobiologiia** 1985 Mar-Apr;25(2):230-4 (Eng. Abstr.) **(Rus)**

[Radiosensitivity of animals irradiated in a modified gaseous medium. Modification of cerebral syndrome in mice by hypoxic hypoxia and hyperoxia during irradiation] Ushakov IB, et al. **Radiobiologiia** 1984 Sep-Oct;24(5):693-7 (Eng. Abstr.) **(Rus)**

[Action of oxygen on cells in total anabiosis] Goldovskiĭ AM, et al. **Tsitologiia** 1984 Nov;26(11):1321-3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Predicting oxygen uptake from treadmill testing in normal subjects and coronary artery disease patients. Roberts JM, et al. **Am Heart J** 1984 Dec;108(6):1454-60

Relation between mixed venous oxygen tension and pulmonary vascular tone during normoxic, hyperoxic and hypoxic ventilation in dogs. Hughes JD, et al. **Am J Cardiol** 1984 Nov 1;54(8):1118-23

A comparison of sheep and human fetal oxygen delivery systems with use of a mathematical model. Huikeshoven FJ, et al. **Am J Obstet Gynecol** 1985 Feb 15;151(4):449-55

Uterine and whole body oxygen extractions in the pregnant rabbit under chronic steady-state conditions. Murray RD, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):709-15

Continuous, noninvasive measurement of fetal oxygen and carbon dioxide levels in labor by use of mass spectrometry. Sykes GS, et al. **Am J Obstet Gynecol** 1984 Dec 1; 150(7):847-58

Oxygen dependence of energy metabolism in contracting and recovering rat skeletal muscle. Idström JP, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H40-8

Role of prostaglandins in hypoxia-stimulated erythropoietin production. Kurtz A, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C3-8

O2 reserve of left ventricle of isolated, saline-perfused rabbit heart. Paradise NF, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H861-8

Effect of hypoxia on feline intestinal capillary permeability. Perry MA, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):G272-6

The effect of oxygen tension on the in vitro production and release of angiotensin-converting enzyme by bovine pulmonary artery endothelial cells. Krulewitz AH, et al. **Am Rev Respir Dis** 1984 Nov;130(5):866-9

Histamine-induced reflex tracheal constriction is attenuated by hyperoxia and exaggerated by hypoxia. Vidruk EH, et al. **Am Rev Respir Dis** 1985 Aug;132(2):287-91

One-lung ventilation and hypoxic pulmonary vasoconstriction: implications for anesthetic management. Benumof JL. **Anesth Analg** 1985 Aug;64(8):821-33 (115 ref.)

The effect of halothane, isoflurane, and blood loss on hepatotoxicity and hepatic oxygen availability in phenobarbital-pretreated hypoxic rats. Gelman S, et al. **Anesth Analg** 1984 Nov;63(11):965-72

Hypoxic pulmonary vasoconstriction in the human lung: effect of repeated hypoxic challenges during anesthesia. Bindslev L, et al. **Anesthesiology** 1985 May;62(5):621-5

Effects of halothane on the ventilatory response to hypoxia and hypercapnia in cats. van Dissel JT, et al. **Anesthesiology** 1985 Apr;62(4):448-56

Current concepts regarding adult respiratory distress syndrome. Ward PA, et al. **Ann Emerg Med** 1985 Aug; 14(8):724-8 (58 ref.)

The physiological role of oxygen-sensitive pyruvate dehydrogenase in mitochondrial fatty acid synthesis in Euglena gracilis. Inui H, et al. **Arch Biochem Biophys** 1985 Mar;237(2):423-9

Endothelium and hypoxic responses. Busse R, et al. **Bibl Cardiol** 1984;(38):21-34

Effect of hypoxia on oxidative and reductive pathways of omeprazole metabolism by the isolated perfused rat liver. Webster LK, et al. **Biochem Pharmacol** 1985 Apr 15; 34(8):1239-45

Increased O2 consumption and energy loss in premature infants following medical care procedures. Yeh TF, et al. **Biol Neonate** 1984;46(4):157-62

Rapid deoxygenation of red cells and hemoglobin solution using hollow capillary fibers. Schmukler R, et al. **Biorheology** 1985;22(1):21-9

A reassessment of the validity of the iso-shunt graph. Lawler PG, et al. **Br J Anaesth** 1984 Dec;56(12):1325-35

Transcutaneous oxygen tension as an index of maturity in hypertrophic scars treated by compression. Berry RB, et al. **Br J Plast Surg** 1985 Apr;38(2):163-73

Colonic anastomotic healing and oxygen tension. Shandall A, et al. **Br J Surg** 1985 Aug;7(8):606-9

Fundamental importance of arterial oxygen content in the regulation of cerebral blood flow in man. Brown MM, et al. **Brain** 1985 Mar;108 (Pt 1):81-93

Modulation of synaptic GABA receptor binding by membrane phospholipids: possible role of active oxygen radicals. Yoneda Y, et al. **Brain Res** 1985 Apr 29; 333(1):111-22

Oxygen radicals in the adult respiratory distress syndrome, in myocardial ischemia and reperfusion injury, and in cerebral vascular damage. Hammond B, et al. **Can J Physiol Pharmacol** 1985 Mar;63(3):173-87 (96 ref.)

A comparative study on ischaemia- or anoxia-induced impairment of myocytic structure and cardiac function in the isolated, isovolumicly-contracting, perfused rat heart. van der Laarse A, et al. **Cardiovasc Res** 1984 Dec; 18(12):768-78

Two distinct effects of oxygen on vascular tone in isolated porcine coronary arteries. Rubanyi G, et al. **Circ Res** 1985 Jan;56(1):1-10

Enhancement of recovery of myocardial function by oxygen free-radical scavengers after reversible regional ischemia. Myers ML, et al. **Circulation** 1985 Oct;72(4):915-21

Evaluation of the transcutaneous oxygen method used at 37 degrees C for measurement of reactive hyperaemia in the skin. Ewald U. **Clin Physiol** 1984 Oct;4(5):413-23

Detection and prevention of tissue injury during hypoxia and ischemia. Hearse DJ. **Contrib Gynecol Obstet** 1985;13:48-58

Determinants of oxygenation during hemodialysis and related procedures. Sherlock JE, et al. **Contrib Nephrol** 1984; 41:342-51

Real-time analysis of the change in arterial oxygen tension during endotracheal suction with a fiberoptic bronchoscope. Arai T, et al. **Crit Care Med** 1985 Oct; 13(10):855-8

Positive end-expiratory pressure may decrease arterial oxygen tension in the presence of a collapsed lung region. Sánchez De León R, et al. **Crit Care Med** 1985 May; 13(5):392-4

Correlation of changes in oxygenation, lung water and hemodynamics after oleic acid-induced acute lung injury in dogs. Schuster DP, et al. **Crit Care Med** 1984 Dec; 12(12):1044-8

Inhibition of cellular antioxidants: a possible mechanism of toxic cell injury. Puglia CD, et al. **Environ Health Perspect** 1984 Aug;57:307-11 (37 ref.)

Evaluation of transcutaneous oxygen monitoring in anaesthetised pony foals. Warren RG, et al. **Equine Vet J** 1984 Jul;16(4):358-61

Comparison of three field methods for measuring oxygen consumption. Louhevaara V, et al. **Ergonomics** 1985 Feb; 28(2):463-70

Measurement of oxygen uptake: a method for use during nitrous oxide in oxygen anaesthesia. Cohen AT, et al. **Eur J Anaesthesiol** 1984 Mar;1(1):63-75

After effects of chronic hypoxia on VO2 kinetics and on O2 deficit and debt. Boutellier U, et al. **Eur J Applied Physiol** 1984;53(2):87-91

Long-term effects of physiological oxygen concentrations on glycolysis and gluconeogenesis in hepatocyte cultures. Wölfle D, et al. **Eur J Biochem** 1985 Sep 2;151(2):299-303

Variability of basal oxygenation of the fetus--causes and associations. Parer JT, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Sep;18(1-2):1-9 (22 ref.)

Towards a further understanding of the growth-inhibiting action of oxygen deficiency. Evaluation of the effect of antimycin on proliferating Ehrlich ascites tumour cells. Löffler M. **Exp Cell Res** 1985 Mar;157(1):195-206

Familial resemblance in maximal heart rate, blood lactate and aerobic power. Lesage R, et al. **Hum Hered** 1985; 35(3):182-9

Relationship between extracellular stimulation of intracellular killing and oxygen-dependent microbicidal systems of monocytes. Leijh PC, et al. **Infect Immun** 1985 Feb; 47(2):502-7

Adding two components of radiosensitization by oxygen. Alper T. **Int J Radiat Biol** 1984 Nov;46(5):569-85

Oxygen-dependent protection of radiation lung damage in mice by WR 2721. Down JD, et al. **Int J Radiat Biol** 1984 Nov;46(5):597-607

Glutathione depletion enhances the lifetime of oxygen-reactive radicals in mammalian cells. Hodgkiss RJ, et al. **Int J Radiat Biol** 1984 Dec;46(6):673-4

Heavy ion effects on yeast cells: reappearance of the oxygen effect with very high LET. Schöpfer F, et al. **Int J Radiat Biol** 1984 Sep;46(3):305-16

The in vitro sensitivity of chronically hypoxic EMT6/SF cells to X-radiation and hypoxic cell radiosensitizers. Shrieve DC, et al. **Int J Radiat Biol** 1985 Jul;48(1):127-38

The oxygen effect on transcription inhibition in yeast. Weber KJ, et al. **Int J Radiat Biol** 1985 Apr;47(4):375-8

Tumor radiosensitization with concomitant bone marrow radioprotection: a study in mice using diethyldithiocarbamate (DDC) under oxygenated and hypoxic conditions. Evans RG. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1163-9

Changes in misonidazole binding with hypoxic fraction in mouse tumors. Hirst DG, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1349-55

The variation of OER with dose rate. Ling CC, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1367-73

Preliminary evaluation of isocyanate-generating nitroheterocycles as chemosensitizers, radiosensitizers and hypoxic cell cytotoxic agents. Mulcahy RT, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1609-13

The oxygen dependence of protection by aminothiols: implications for normal tissues and solid tumors. Travis EL. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1495-501 (50 ref.)

The oxygen free radical system: potential mediator of myocardial injury. Hammond B, et al. **J Am Coll Cardiol** 1985 Jul;6(1):215-20

Structure-function correlation in the human placenta: the morphometric diffusing capacity for oxygen at full term. Mayhew TM, et al. **J Anat** 1984 Dec;139 (Pt 4):691-708

Two-dimensional short-term model of oxygen uptake kinetics. Morton RH. **J Appl Physiol** 1985 May; 58(5):1736-40

Diaphragmatic fatigue in normoxia and hyperoxia. Pardy RL, et al. **J Appl Physiol** 1985 Mar;58(3):738-42

Gas exchange and hatchability of chicken eggs incubated at simulated high altitude. Visschedijk AH. **J Appl Physiol** 1985 Feb;58(2):416-8

Effects of hypoxia on potassium homeostasis and pigment epithelial cells in the cat retina. Linsenmeier RA, et al. **J Gen Physiol** 1984 Dec;84(6):945-70

Natural killer cell-mediated lysis involves an hydroxyl radical-dependent step. Duwe AK, et al. **J Immunol** 1985 Apr;134(4):2637-44

Decreased response of plasma immunoreactive erythropoietin to 'available oxygen' in anemia of prematurity. Brown MS, et al. **J Pediatr** 1984 Nov;105(5):793-8

Pulse oximetry in pediatric intensive care: comparison with measured saturations and transcutaneous oxygen tension. Fanconi S, et al. **J Pediatr** 1985 Sep;107(3):362-6

Catecholamines in arterial and venous umbilical blood: placental extraction, correlation with fetal hypoxia, and transcutaneous partial oxygen tension. Paulick R, et al. **J Perinat Med** 1985;13(1):31-42

Oxygen tension (pO2) in untreated human periodontal pockets. Mettraux GR, et al. **J Periodontol** 1984 Sep; 55(9):516-21

Hypoxia releases a vasoconstrictor substance from the canine vascular endothelium. Rubanyi GM, et al. **J Physiol (Lond)** 1985 Jul;364:45-56

Adrenomedullary function in the neonatal rat: responses to acute hypoxia. Seidler FJ, et al. **J Physiol (Lond)** 1985 Jan; 358:1-16

Oxygen supply and fetal growth. Metcalfe J. **J Reprod Med** 1985 Apr;30(4):301-7

Prediction of VO2max from the running performance in children aged 10-17 years. Massicotte DR, et al. **J Sports Med Phys Fitness** 1985 Mar-Jun;25(1-2):10-7

Direct measurements of oxygen tension on the spinal cord surface of pigs after occlusion of the descending aorta. Wadouh F, et al. **J Thorac Cardiovasc Surg** 1985 May; 89(5):787-94

Effects of pantethine on action potential of canine papillary muscle during hypoxic perfusion. Hayashi H, et al. **Jpn Heart J** 1985 Mar;26(2):289-96

Renal ischemia: a new perspective. Brezis M, et al. **Kidney Int** 1984 Oct;26(4):375-83 (117 ref.)

Role of oxygen radicals in phorbol myristate acetate-induced glomerular injury. Rehan A, et al. **Kidney Int** 1985 Mar; 27(3):503–11

Oxygen utilization and cardiovascular function in head-injured patients. Robertson CS, et al. **Neurosurgery** 1984 Sep;15(3):307–14

Oxygen uptake and cardiovascular responses in control adults and acute myocardial infarction patients during bathing. Winslow EH, et al. **Nurs Res** 1985 May–Jun;34(3):164–9

Respiratory metabolism in preterm infants: the measurement of oxygen consumption during prolonged periods. Abdulrazzaq YM, et al. **Pediatr Res** 1984 Oct;18(10):928–31

Tissue anoxia prevents inflammation and pigmentation caused by UVA but not by UVB or PUVA. Tegner E. **Photodermatol** 1984 Dec;1(6):311-2

The effect of oxygen inhalation and intravenous naftidrofuryl on the transcutaneous partial oxygen pressure in ischaemic lower limbs. Mustapha NM, et al. **Prosthet Orthot Int** 1984 Dec;8(3):135–8

The reversion phenomenon in irradiated fern prothalli: effects of acute or chronic anoxia and LET. Hendry JH, et al. **Radiat Environ Biophys** 1985;24(1):45–56

Temperature dependent modification of radiosensitivity following hypoxic cytocidal action of chlorpromazine. Shenoy MA, et al. **Radiat Environ Biophys** 1985;24(2):113–7

Effects of oxygen and misonidazole on cell transformation and cell killing in C3H 10T1/2 cells by X rays in vitro. Borsa J, et al. **Radiat Res** 1984 Oct;100(1):96–103

Interactions of radioprotectors and oxygen in cultured mammalian cells. I. Dithiothreitol effects on radiation-induced cell killing. Held KD. **Radiat Res** 1985 Mar;101(3):424–33

An oxygen effect for gamma-radiation induction of radiation resistance in yeast. Mitchel RE, et al. **Radiat Res** 1984 Oct; 100(1):205–10

The effect of misonidazole as a hypoxic radiosensitizer at low dose. Palcic B, et al. **Radiat Res** 1984 Nov;100(2):340–7

Reduced oxygen enhancement ratio at low doses of ionizing radiation. Palcic B, et al. **Radiat Res** 1984 Nov; 100(2):328–39

Effect of hypoxia on recovery from damage induced by heat and radiation in plateau-phase CHO cells. Rao BS, et al. **Radiat Res** 1985 Feb;101(2):312–25

DNA repair-deficient Chinese hamster ovary cells exhibiting differential sensitivity to gamma rays under aerobic and hypoxic conditions. Rubin JS, et al. **Radiat Res** 1985 Mar; 101(3):528–34

The effects of cellular glutathione elevation on the oxygen enhancement ratio. Russo A, et al. **Radiat Res** 1985 Aug; 103(2):232–9

Cellular and molecular repair of X-ray-induced damage: dependence on oxygen tension and nutritional status. Spiro IJ, et al. **Radiat Res** 1985 Jan;101(1):144–55

Gas diffusive conductance of sea-level hen eggs incubated at 2900 m altitude. Handrich Y, et al. **Respir Physiol** 1985 May;60(2):237–52

Effects of hypoxia on tissue capillarity in geese. Snyder GK, et al. **Respir Physiol** 1984 Nov;58(2):151–60

Applied physiology of marathon running. Sjödin B, et al. **Sports Med** 1985 Mar–Apr;2(2):83–99 (83 ref.)

Role of hypoxia in photodynamic therapy of tumors. Freitas I. **Tumori** 1985 Jun 30;71(3):251–9 (70 ref.)

Air and nitrox saturation decompression: a report of 4 schedules and 77 subjects. Eckenhoff RG, et al. **Undersea Biomed Res** 1985 Mar;12(1):41–52

[Echocardiography of endurance athletes as a function of VO2 max] S'Jongers JJ, et al. **Schweiz Z Sportmed** 1985 Jun;33(2):53–61 (Eng. Abstr.) **(Fre)**

[Biologic aging. 22. Oxygen and aging] Martin R, et al. **ZFA** 1984 Sep–Oct;39(5):253–61 (Eng. Abstr.) **(Ger)**

[Ventilatory responses to hypercapnia and hypoxia: the sexual difference and changes during the menstrual cycle] Takano N. **Kokyu To Junkan** 1985 Jan;33(1):17–23 **(Jpn)**

[Effect of hypoxia on the content of endogenous opioid peptides and cyclic nucleotides in the rat brain] Fujita S, et al. **Masui** 1985 Jun;34(6):767–72 (Eng. Abstr.) **(Jpn)**

[The effect of dopamine on pulmonary circulation] Obara H, et al. **Masui** 1984 Jul;33(7):714–9 (Eng. Abstr.) **(Jpn)**

[Cardiodynamic effects of right bundle branch block III. The effects of right bundle branch block on cardiac function of the heart with right ventricular hypertrophy in the varied right ventricular afterload by pulmonary artery debanding and hypoxia] Yoshitoshi M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Dec;32(12):2110–8 (Eng. Abstr.) **(Jpn)**

[Comparative studies on quantitative evaluation of the hypoxic ventilatory response] Yamamoto H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Nov; 22(11):979–84 (Eng. Abstr.) **(Jpn)**

[The validity of the estimated maximal oxygen intake by different indirect methods in middle-aged and elderly men] Hino S. **Nippon Ronen Igakkai Zasshi** 1984 Mar; 21(2):124–32 (Eng. Abstr.) **(Jpn)**

[The 6 hearts of man: an essay] Rigatto M. **Arq Bras Cardiol** 1984 Sep;43(3):149–60 (Eng. Abstr.) **(Por)**

[Cardiomyocytes in monolayer culture and the effect on them of catecholamines and hypoxia] Gurevich MI, et al. **Fiziol Zh** 1985 May–Jun;31(3):267–72 (Eng. Abstr.) **(Rus)**

[Oxygen status and regional blood flow in the gingival mucosa as affected by lower body negative pressure] Vol'vach SI, et al. **Kosm Biol Aviakosm Med** 1985 May–Jun;19(3):33–7 (Eng. Abstr.) **(Rus)**

[Multimodified radiotherapy. Short-term hyperglycemia and local hyperthermia in hypoxic radiotherapy of transplantable solid tumors] Kozin SV, et al. **Med Radiol (Mosk)** 1984 Sep;29(9):63–5 **(Rus)**

[Radiomodifying effect of acute hypoxia in neutron-irradiated dogs] Kalmykova GI, et al. **Radiobiologiia** 1985 Jan–Feb;25(1):74–7 (Eng. Abstr.) **(Rus)**

[The effect of military training on maximal oxygen consumption, general muscle strength and body mass of female soldiers] Dimitrijevic B, et al. **Vojnosanit Pregl** 1984 Sep–Oct;41(5):393–6 (Eng. Abstr.) **(Scr)**

[Oxygen consumption and carbon dioxide output in children in the 1st year of life] Soltes L, et al. **Cesk Pediatr** 1984 Sep;39(9):506–8 (Eng. Abstr.) **(Slo)**

POISONING

Hyperoxic lung injury and polyamine biosynthesis. Age-related differences. Hacker AD, et al. **Am Rev Respir Dis** 1985 Aug;132(2):354–7

Oxygen toxicity in rats. Varied effect of dexamethasone treatment depending on duration of hyperoxia. Koizumi M, et al. **Am Rev Respir Dis** 1985 Jun;131(6):907–11

Transient depletion of lung glutathione by diethylmaleate enhances oxygen toxicity. Deneke SM, et al. **J Appl Physiol** 1985 Feb;58(2):571–4

[Pathology caused by oxygen] Biemond P, et al. **Ned Tijdschr Geneeskd** 1984 Nov 24;128(47):2230–3 **(Dut)**

[Monoamine oxidase and diamine oxidase activity of the tissues of rats in the convulsive phase of oxygen poisoning] Goroshinskaia IA, et al. **Biol Nauki** 1984;(11):20–4 (Eng. Abstr.) **(Rus)**

SUPPLY & DISTRIBUTION

The 'Permox' oxygen concentrator. Its mode of action, performance and potential application. Carter JA, et al. **Anaesthesia** 1985 Jun;40(6):560–5

THERAPEUTIC USE

Intestinal ischemia: reduction of mortality utilizing intraluminal perfluorochemical. Ricci JL, et al. **Am J Surg** 1985 Jan;149(1):84–90

Physiologic closure of a symptomatic patent foramen ovale with oxygen therapy. Farber HW, et al. **Am Rev Respir Dis** 1985 Jan;131(1):181–3

Home oxygen therapy. A proposal. Greentree LB. **Am Rev Respir Dis** 1985 Jun;131(6):932–3

The effects of oxygen in patients with sleep apnea. Smith PL, et al. **Am Rev Respir Dis** 1984 Dec;130(6):958–63

Preoxygenation for cesarean section: a comparison of two techniques. Norris MC, et al. **Anesthesiology** 1985 Jun; 62(6):827–9

Cutaneous blisters and carbon monoxide poisoning. Myers RA, et al. **Ann Emerg Med** 1985 Jun;14(6):603–6

Treatment of cluster headache. A double-blind comparison of oxygen v air inhalation. Fogan L. **Arch Neurol** 1985 Apr;42(4):362–3

Captopril and domiciliary oxygen in chronic airflow obstruction. Burke CM, et al. **Br Med J [Clin Res]** 1985 Apr 27;290(6477):1251

Focal cerebral ischemia: reduction in size of infarcts by ventriculo-subarachnoid perfusion with fluorocarbon emulsion. Bose B, et al. **Brain Res** 1985 Mar 4;328(2):223–31

Long-term home oxygen therapy. Flenley DC. **Chest** 1985 Jan;87(1):99–103

Role of carbogen in protection against noise induced hearing loss in man. Chaturvedi RC, et al. **Indian J Med Res** 1984 Nov;80:583–9

Haemoglobin solution as an oxygen-carrying resuscitation fluid in haemorrhagic shock. Odling-Smee W, et al. **Ir J Med Sci** 1984 Nov;153(11):385–8

Fundamentals of combating cancer metastasis by oxygen multistep immunostimulation processes. von Ardenne M. **Med Hypotheses** 1985 May;17(1):47–65 (26 ref.)

Transcutaneous oxygen monitoring: economic impact on neonatal care. Peevy KJ, et al. **Pediatrics** 1985 Jun; 75(6):1065–7

[Artificial oxygenation in the intensive therapy of liver failure in acute surgical abdominal pathology] Kantsaliev LB. **Anesteziol Reanimatol** 1985 Mar–Apr;(2):70–3 (Eng. Abstr.) **(Rus)**

[Protection of long-term ischemic kidneys from the damages of reoxygenation by using the temporary inhalation of a gas hypoxic mixture] Bilenko MV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):147–51 (Eng. Abstr.) **(Rus)**

[Oxygen therapy of patients with chronic obstructive bronchitis and pulmonary emphysema (review of the foreign literature)] Chuchalin AG, et al. **Klin Med (Mosk)** 1984 Dec;62(12):8–14 (26 ref.) **(Rus)**

[Teleradiotherapy of laryngeal cancer using a gas hypoxic mixture (GHM-10)] Mardynskii IuS, et al. **Med Radiol (Mosk)** 1985 Aug;30(8):11–5 (Eng. Abstr.) **(Rus)**

[Radiosensitivity during the irradiation of animals in an altered gaseous environment. A comparative study on mice and rats of the radiation-protective effect of oxygen-deficient gas mixtures] Abramov MM, et al. **Radiobiologiia** 1985 May–Jun;25(3):416–8 (Eng. Abstr.) **(Rus)**

[Treatment of hypoxic conditions of the cornea] Sidorenko EI, et al. **Vestn Oftalmol** 1985 May–Jun;101(3):33–5 (Eng. Abstr.) **(Rus)**

[Clinico-psychological study of the functions of attention and memory in patients in the early recovery period after reconstructive surgery on the cerebral vessels and their dynamics during treatment with oxygen baths] Danilova DP. **Zh Nevropatol Psikhiatr** 1984;84(12):1852–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Maturation of the fetal lung II. Effect of hyperoxia on phosphatidic acid phosphatase, pyruvate kinase and superoxide dismutase activity in the newborn rat lung. Kerepesi T, et al. **Acta Paediatr Hung** 1984;25(3):247–54

Modification by hyperoxia in vivo of endotoxin-induced neutrophil alveolitis in rats. Production of chemotactic factors by alveolar macrophages and ultrastructure. Christman JW, et al. **Am Rev Respir Dis** 1985 Jul; 132(1):152–8

Protection against pulmonary oxygen toxicity in rats by the intratracheal administration of liposome-encapsulated superoxide dismutase or catalase. Padmanabhan RV, et al. **Am Rev Respir Dis** 1985 Jul;132(1):164–7

The role of oxygen-derived free radicals in the pathogenesis of acute pancreatitis. Sanfey H, et al. **Ann Surg** 1984 Oct; 200(4):405–13

The effects of 'oxygen radicals' generated in the medium on lenses in organ culture: inhibition of damage by chelated iron. Zigler JS Jr, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):163–72

Sex differences in the cellular defence system against free radicals from oxygen or drug metabolites in rat. Julicher RH, et al. **Arch Toxicol** 1984 Dec;56(2):83–6

Effect of reduced oxygen intermediates on sarcolemmal muscarinic receptors from canine heart. Arora RC, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):133–40

Cephaloridine-induced lipid peroxidation initiated by reactive oxygen species as a possible mechanism of cephaloridine nephrotoxicity. Cojocel C, et al. **Biochim Biophys Acta** 1985 May 17;834(3):402–10

The role of free radical-mediated processes in oxygen-related damage in cultured murine myocardial cells. Scott JA, et al. **Circ Res** 1985 Jan;56(1):72–7

The independent effects of oxygen radical scavengers on canine infarct size. Reduction by superoxide dismutase but not catalase. Werns SW, et al. **Circ Res** 1985 Jun; 56(6):895–8

Oxygen toxicity and other ventilatory complications of treatment of infants with persistent pulmonary hypertension. Hansen TN, et al. **Clin Perinatol** 1984 Oct; 11(3):653–72 (139 ref.)

Lack of effect of a purified diet on carbon tetrachloride or oxygen toxicity. Evers WD, et al. **Drug Nutr Interact** 1982; 1(4):329–33

Pulmonary macrophages induce deterioration of guinea-pig tracheal beta-adrenergic function through release of oxygen radicals. Engels F, et al. **Eur J Pharmacol** 1985 Apr 23;111(1):143–4

Effects of oxygen on the newborn. Frank L. **Fed Proc** 1985 Apr;44(7):2328–34 (39 ref.)

Enhanced oxygen toxicity following treatment with 1,3-bis(2-chloroethyl)-1-nitrosourea. Kehrer JP, et al. **Fundam Appl Toxicol** 1984 Oct;4(5):760–7

Free radical damage to cultured porcine aortic endothelial cells and lung fibroblasts: modulation by culture conditions. Bishop CT, et al. **In Vitro Cell Dev Biol** 1985 Apr; 21(4):229–36

Enzymatic defence against oxygen toxicity in D-galactosamine-induced hepatitis in rats. D'Souza NB, et al. **Indian J Gastroenterol** 1985 Apr;4(2):87–8

Role of stimulated neutrophils from patients with systemic lupus erythematosus in tissue injury, with special reference to serum factors and increased active oxygen species generated by neutrophils. Niwa Y, et al. **Inflammation** 1985 Jun;9(2):163–72

Comparison of the effect of two and six week exposure to 80% and 100% oxygen on the lung of the newborn mouse: a quantitative SEM and TEM correlative study. Obara H, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):285–98

Hydrogen peroxide-mediated corneal endothelial damage. Induction by oxygen free radical. Hull DS, et al. **Invest Ophthalmol Vis Sci** 1984 Nov;25(11):1246–53

Toxic oxygen products alter calcium homeostasis in an asthma model. Weiss EB. **J Allergy Clin Immunol** 1985 Jun;75(6):692–7

Endotoxin-tolerant rats are still protected from oxygen toxicity by low-dose endotoxin treatment. Frank L. **J Appl Physiol** 1985 Mar;58(3):819–22

Pulmonary oxygen toxicity in awake dogs: metabolic and physiological effects. Harabin AL, et al. **J Appl Physiol** 1984 Nov;57(5):1480–8

Mitogenic effect of endotoxin on lung and tolerance of rats to hyperoxia. Koizumi M, et al. **J Appl Physiol** 1985 Aug; 59(2):315–9

Modification of pulmonary oxygen toxicity by bleomycin treatment. Matalon S, et al. **J Appl Physiol** 1985 Jun; 58(6):1802–9

Interstitial fluid volumes and albumin spaces in pulmonary oxygen toxicity. Matalon S, et al. **J Appl Physiol** 1984 Dec;

57(6):1767-72

Oxygen-induced lung microvascular injury in neutropenic rabbits and lambs. Raj JU, et al. **J Appl Physiol** 1985 Mar; 58(3):921-7

Liposome-mediated augmentation of brain SOD and catalase inhibits CNS O2 toxicity. Yusa T, et al. **J Appl Physiol** 1984 Dec;57(6):1674-81

Prevention of granulocyte-mediated oxidant lung injury in rats by a hydroxyl radical scavenger, dimethylthiourea. Fox RB. **J Clin Invest** 1984 Oct;74(4):1456-64

Resistance of human tumor cells in vitro to oxidative cytolysis. O'Donnell-Tormey J, et al. **J Clin Invest** 1985 Jul;76(1):80-6

Oxygen-independent intracellular and oxygen-dependent extracellular killing of Escherichia coli S15 by human polymorphonuclear leukocytes. Weiss J, et al. **J Clin Invest** 1985 Jul;76(1):206-12

Effects of antioxidants on oxidant-induced sister chromatid exchange formation. Weitberg AB, et al. **J Clin Invest** 1985 Jun;75(6):1835-41

Immune oxidative injury induced in mice exposed to normobaric O2: effects of thiol compounds on the splenic cell sulfhydryl content and Con A proliferative response. Gougerot-Pocidalo MA, et al. **J Immunol** 1985 Sep; 135(3):2045-51

Hyperoxic lung injury: biochemical, cellular, and morphologic characterization in the mouse. Smith LJ. **J Lab Clin Med** 1985 Sep;106(3):269-78

Involvement of hydrogen peroxide and hydroxyl radical in the 'oxygen paradox': reduction of creatine kinase release by catalase, allopurinol or deferoxamine, but not by superoxide dismutase. Myers CL, et al. **J Mol Cell Cardiol** 1985 Jul;17(7):675-84

Effects of low protein diets or feed restriction on rat lung glutathione and oxygen toxicity. Deneke SM, et al. **J Nutr** 1985 Jun;115(6):726-32

Effect of oxygen and superoxide anion on mutation rate in Ames test. Yokota T, et al. **J Toxicol Sci** 1985 May; 10(2):95-100

Direct toxic effects of paraquat and oxygen on cultured endothelial cells. Ody C, et al. **Lab Invest** 1985 Jan; 52(1):77-84

Radiation-enhanced resistance to oxygen: a possible relationship to radiation-enhanced longevity. Lee YJ, et al. **Mech Ageing Dev** 1984 Sep;27(1):101-9

Evidence of DNA repair in organ cultures of hamster tracheal epithelium following exposure to gas phase singlet oxygen. Schiff LJ, et al. **Mutat Res** 1985 Jan-Feb; 142(1-2):41-4

Intrauterine growth-retarded rat pups show increased susceptibility to pulmonary O2 toxicity. Frank L, et al. **Pediatr Res** 1985 Mar;19(3):281-6

The responses of glutathione and antioxidant enzymes to hyperoxia in developing lung. Warshaw JB, et al. **Pediatr Res** 1985 Aug;19(8):819-23

Genetic differences in oxygen toxicity are correlated with cytochrome P-450 inducibility. Gonder JC, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6315-9

Endotoxin protection of rats from pulmonary oxygen toxicity: lack of complement involvement. Berg JT, et al. **Res Commun Chem Pathol Pharmacol** 1985 Feb; 47(2):309-12

Protection against lethal hyperoxia by tracheal insufflation of erythrocytes: role of red cell glutathione. van Asbeck BS, et al. **Science** 1985 Feb 15;227(4688):756-9

Protective effect of the serum against cellular damage by active oxygen in culture. Ogasawara T, et al. **Tohoku J Exp Med** 1984 Sep;144(1):9-20

Insufflated red cells protect lungs from hyperoxic damage: role of red cell glutathione in scavenging toxic O2 radicals. van Asbeck S, et al. **Trans Assoc Am Physicians** 1984; 97:365-8

[Pulmonary toxicity of oxygen] Housset B. **Presse Med** 1984 Oct 20;13(37):2257-60 (Eng. Abstr.) **(Fre)**

[The story of oxygen (1)] Marini F, et al. **Chir Ital** 1985 Feb;37(1):17-28 (Eng. Abstr.) **(Ita)**

[Detection of oxygen lung injury by NMR method] Shioya S, et al. **Kokyu To Junkan** 1985 May;33(5):603-7 **(Jpn)**

[The effect of a high dose of vitamin E on the oxygen injured lung] Obara H, et al. **Masui** 1985 Mar;34(3):286-91 (Eng. Abstr.) **(Jpn)**

[Increased intracellular oxygen free radical generation by hyperoxia and antioxidant enzymatic defences] Yusa T, et al. **Masui** 1984 Dec;33(12):1300-9 (37 ref.) (Eng. Abstr.) **(Jpn)**

[Protection of long-term ischemic kidneys from the damages of reoxygenation by using the temporary inhalation of a gas hypoxic mixture] Bilenko MV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):147-51 (Eng. Abstr.) **(Rus)**

[Superoxide dismutase inhibition as a prerequisite for disordered myocardial function under oxygen loading] Gerasimov AM, et al. **Biull Eksp Biol Med** 1984 Oct; 98(10):400-3 (Eng. Abstr.) **(Rus)**

[Effect of hyperoxic helium-oxygen gaseous mixtures on oxygen consumption by albino rat tissues] Nazarenko AI, et al. **Fiziol Zh** 1985 May-Jun;31(3):346-9 **(Rus)**

[Quantitative evaluation and prognosis of the biological effects of hyperoxia] Filatov AV, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):328-32 (Eng. Abstr.) **(Rus)**

[Biochemical estimation of individual sensitivity to oxygen intoxication in rabbits] Lukash AI, et al. **Vopr Med Khim** 1984 Jul-Aug;30(4):60-4 (Eng. Abstr.) **(Rus)**

URINE

[Ferrous oxide-initiated chemoluminescence and changes in urinary oxygen level in patients with pulmonary tuberculosis] Grigaliunas AP, et al. **Probl Tuberk** 1984 Jul; (7):63-7 (Eng. Abstr.) **(Rus)**

OXYGEN CONSUMPTION

A visual representation of a model for monitoring the state of oxygenation in the critically ill patients. Description and clinical validation. Lanza V, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:179-86

Renal oxygen and lactate metabolism in hemorrhagic shock. An experimental study. Nelimarkka O. **Acta Chir Scand [Suppl]** 1984;518:1-44

Ventilatory response to exercise in cystic fibrosis [letter] Canny GJ. **Acta Paediatr Scand** 1985 May;74(3):451-2

Maximal oxygen consumption and certain physiological and somatic features of students from the Bialystok Medical Academy. Puch U. **Acta Physiol Pol** 1984 Mar-Apr; 35(2):165-70

A spectrophotometric method for measuring oxygen consumption in monolayers of cultured endothelial cells. Hultborn R, et al. **Acta Physiol Scand** 1985 May;124(1):5-10

Skeletal muscle sympathetic activity at rest in trained and untrained subjects. Svedenhag J, et al. **Acta Physiol Scand** 1984 Apr;120(4):499-504

Studies on the availability, transport and utilization of oxygen in low- and high-flow septic shock in calves. Sahay PN, et al. **Acta Vet Hung** 1984;32(3-4):187-92

Oxygen transport to tissue. VI. **Adv Exp Med Biol** 1984; 180:1-924

Control of oxygen utilization in vitro and in vivo: implications for radiotherapy of tumors. Biaglow JE, et al. **Adv Exp Med Biol** 1984;180:323-32

Changes in tumor tissue oxygenation during microwave hyperthermia: clinical relevance. Bicher HI, et al. **Adv Exp Med Biol** 1984;180:901-5

Regional glucose consumption and oxygen supply in the isolated perfused working rat heart. Breull W, et al. **Adv Exp Med Biol** 1984;180:721-30

Approximate-analytical solution of the diffusion, convection and reaction problem in homogeneous media. Busch NA, et al. **Adv Exp Med Biol** 1984;180:43-64

Circulatory responses to chemical stimulation of oxygen uptake in canine hindlimb. Cain SM. **Adv Exp Med Biol** 1984;180:679-85

Perfluorinated organic liquids and emulsions as biocompatible NMR imaging agents for 19F and dissolved oxygen. Clark LC Jr, et al. **Adv Exp Med Biol** 1984;180:835-45

Michaelis-Menten-like kinetics in the Krogh tissue cylinder. Cronk J, et al. **Adv Exp Med Biol** 1984;180:499-509

Tissue oxygenation by fluorocarbons. Faithfull NS, et al. **Adv Exp Med Biol** 1984;180:569-80

Oxygen supply to the myocardium. Faithfull NS, et al. **Adv Exp Med Biol** 1984;180:411-23

Implications of altered hemoglobin concentration with variations in oxygen consumption, arterial oxygen saturation, and age based on a mathematical model for the utilization of reserve oxygen transport capacity. Farrell K, et al. **Adv Exp Med Biol** 1984;180:523-9

The effect of myoglobin concentration on muscle cell PO2 gradients. Federspiel WJ. **Adv Exp Med Biol** 1984; 180:539-43

Fast local regulations of muscle pO2-fields in patients suffering from cirrhosis of the liver. Fleckenstein W, et al. **Adv Exp Med Biol** 1984;180:687-94

Capillary wall permeability effects in perfused capillary-tissue structures. Fletcher JE, et al. **Adv Exp Med Biol** 1984;180:907-19

Cold protected hearts extract oxygen from Fluosol-DA during cardiopulmonary bypass. Gartman DM, et al. **Adv Exp Med Biol** 1984;180:443-50

Cerebral oxygen utilization as a gauge of brain energy metabolism. Gilboe DD, et al. **Adv Exp Med Biol** 1984; 180:169-77

Aberrant oxygen metabolism in neoplastic cells injured by cytotoxic macrophages. Granger DL, et al. **Adv Exp Med Biol** 1985;184:51-63

The effect of different parameters (temperature, O2 consumption, blood flow, hemoglobin content) on the tcPo2 calibration curves calculated by the capillary loop model. Grossman U, et al. **Adv Exp Med Biol** 1984; 180:793-802

Transients of gas exchange processes in the upper skin calculated by the capillary loop model. Grossmann U, et al. **Adv Exp Med Biol** 1984;180:35-41

Tissue oxygenation in normal and edematous brain cortex during arterial hypocapnia. Grote J, et al. **Adv Exp Med Biol** 1984;180:179-84

The effects of mixing on continuous Michaelis-Menten reactions. Hanley TR, et al. **Adv Exp Med Biol** 1984; 180:531-8

Isolated perfusion of the small intestine using perfluorotributylamine as artificial oxygen carrier. Hartmann F, et al. **Adv Exp Med Biol** 1984;180:711-20

Measurements of local PO2 in the resting skeletal muscles of rats with portocaval anastomosis (PCA) under normoxic conditions. Heinrich R, et al. **Adv Exp Med Biol** 1984; 180:623-8

Analysis of tissue reflection spectra obtained from brain or heart, using the two flux theory for non-constant light scattering. Hoffmann J, et al. **Adv Exp Med Biol** 1984; 180:555-63

Balance between O2 availability and VO2 in rest-work transition as measured by myoglobin saturation in subcellular volumes. Honig CR, et al. **Adv Exp Med Biol** 1984;180:651-61

A digital model for determining oxygen consumption in tissue. Hynson J, et al. **Adv Exp Med Biol** 1984;180:803-22

Tumor blood flow and O2 availability during hemodilution. Jung C, et al. **Adv Exp Med Biol** 1984;180:281-91

A simulation of three dimensional oxygen transport in brain tissue with a single neuron-single capillary system by the Williford-Bruley technique. Kang KA, et al. **Adv Exp Med Biol** 1984;180:887-99

Microcomputer measurement of blood and tissue oxygenation. Kiel JW, et al. **Adv Exp Med Biol** 1984; 180:783-92

O2 transport and uptake in dogs during CO hypoxia with and without beta-block. King CE, et al. **Adv Exp Med Biol** 1984;180:591-8

Concepts of brain oxygen sufficiency during seizures. Kreisman NR, et al. **Adv Exp Med Biol** 1984;180:381-92 (36 ref.)

Changes in cerebral oxygen tension and red cell content on sensory stimulation. Longmuir IS, et al. **Adv Exp Med Biol** 1984;180:185-90

Responses of gerbil cerebral unit activity to declining tissue PO2. Martin RM, et al. **Adv Exp Med Biol** 1984;180:153-7

Oxygen consumption and oxygen diffusion properties of multicellular spheroids from two different cell lines. Mueller-Klieser WF, et al. **Adv Exp Med Biol** 1984; 180:311-21

Effects of modeling assumptions on oxygen transport in isolated heart. Napper S, et al. **Adv Exp Med Biol** 1984; 180:73-83

The effect of cell size and capillary spacing on myocardial oxygen supply. Rakusan K, et al. **Adv Exp Med Biol** 1984; 180:463-75

An analytical model for axial diffusion in the Krogh cylinder. Schubert RW, et al. **Adv Exp Med Biol** 1984;180:433-42

Cerebral cortical oxygenation and perfusion during Hetastarch hemodilution. Shinozuka T, et al. **Adv Exp Med Biol** 1984;180:853-60

Skin oxygen diffusion conductance in premature infants. Togari H, et al. **Adv Exp Med Biol** 1984;180:565-7

Heart rate and PO2 in the fetal lamb. Towell ME, et al. **Adv Exp Med Biol** 1984;180:489-98

A thermistor device for the continuous recording of mass transport velocity in tissue based on the heat clearance principle. Vermariën H, et al. **Adv Exp Med Biol** 1984; 180:741-56

Response of spinal cord oxygen tension to aortic occlusion. Wadouh F, et al. **Adv Exp Med Biol** 1984;180:731-40

Killing of gram-negative bacteria by neutrophils: role of O2-independent system in intracellular killing and evidence of O2-dependent extracellular killing. Weiss J, et al. **Adv Exp Med Biol** 1985;184:35-50

Heterogeneous oxygenation of rectal carcinomas in humans: a critical parameter for preoperative irradiation? Wendling P, et al. **Adv Exp Med Biol** 1984;180:293-300

Dependence of cellular metabolism and local oxygen delivery on oxygen tension. Wilson DF, et al. **Adv Exp Med Biol** 1984;180:629-34

Epicardial image analysis using a desk top computer. Comparison of epicardial flow distribution and NADH-fluorescence pattern. Roesen R, et al. **Adv Myocardiol** 1985;6:217-31

Absence of a relationship between extracellular potassium accumulation and contractile failure in the ischemic or hypoxic rabbit heart. Webb SC, et al. **Adv Myocardiol** 1985; 6:405-15

Lack of sustained increase in VO2 following exercise in fit and unfit subjects. Freedman-Akabas S, et al. **Am J Clin Nutr** 1985 Mar;41(3):545-9

Postprandial energy expenditure and respiratory quotient during early and late pregnancy. Nagy LE, et al. **Am J Clin Nutr** 1984 Dec;40(6):1258-63

Thermic effect of food during graded exercise in normal weight and obese men. Segal KR, et al. **Am J Clin Nutr** 1984 Nov;40(5):995-1000

A simple, valid step test for estimating maximal oxygen uptake in epidemiologic studies. Siconolfi SF, et al. **Am J Epidemiol** 1985 Mar;121(3):382-90

Self-reported physical activity compared with maximal oxygen uptake. Siconolfi SF, et al. **Am J Epidemiol** 1985 Jul;122(1):101-5

Physical fitness and blood pressure: the role of age. Siconolfi SF, et al. **Am J Epidemiol** 1985 Sep;122(3):452-7

Supply dependency of oxygen uptake in ARDS: myth or reality? Cain SM. **Am J Med Sci** 1984 Oct;288(3):119-24

Continuous measurement of oxygen consumption in fetal sheep. Block BS, et al. **Am J Obstet Gynecol** 1984 Oct 15;150(4):406-8

Relationship of fetal oxygen consumption and acid-base balance to fetal hematocrit. Edelstone DI, et al. **Am J Obstet Gynecol** 1985 Apr 1;151(7):844-51

Effects of maternal oxygen administration on fetal oxygenation during reductions in umbilical blood flow in fetal lambs. Edelstone DI, et al. **Am J Obstet Gynecol** 1985

Jun 1;152(3):351–8

Hepatic oxygenation during arterial hypoxemia in neonatal lambs. Edelstone DI, et al. **Am J Obstet Gynecol** 1984 Nov 1;150(5 Pt 1):513–8

Uterine and whole body oxygen extractions in the pregnant rabbit under chronic steady–state conditions. Murray RD, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):709–15

Equivalent oxygen percentage (EOP) technique: a standard calibration curve. Roscoe WR, et al. **Am J Optom Physiol Opt** 1984 Sep;61(9):601–4

Oxygen consumption of middle ear and peripheral blood neutrophils in acute suppurative otitis media. Bernstein JM, et al. **Am J Otolaryngol** 1985 May–Jun;6(3):169–72

Interactions between phosphate and oxidative metabolism in proximal renal tubules. Brazy PC, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):F575–81

Cerebrovascular hypoxic and autoregulatory responses during reduced brain metabolism. Donegan JH, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H421–9

Effect of hypokinesia–hypodynamia on rat muscle oxidative capacity and glucose uptake. Fell RD, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):R308–12

Oxygen transport in rest–work transition illustrates new functions for myoglobin. Gayeski TE, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):H914–21

Effect of pacing on oxygen supply–to–consumption ratio in ischemic myocardium. Grover GJ, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H249–54

Renal sodium reabsorption, oxygen consumption, and gamma–glutamyltransferase excretion in the postischemic rat kidney. Herminghuysen D, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):F804–9

Effects of varying hematocrit on intestinal oxygen uptake in neonatal lambs. Holzman IR, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):G432–6

Cerebral oxygen and energy metabolism during and after 30 minutes of moderate hypoxia. Kintner D, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):E475–82

Regional blood flow and O2 transport during hypoxic and CO hypoxia in neonatal and adult sheep. Koehler RC, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H118–24

Effects of temperature on ileal blood flow and oxygenation. Kvietys PR, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):G246–9

Does food restriction retard aging by reducing the metabolic rate? McCarter R, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):E488–90

Oxygen transport in invertebrates. Mangum CP. **Am J Physiol** 1985 May;248(5 Pt 2):R505–14 (54 ref.)

Insulin hypoglycemia, cerebral metabolism, and neural function in fetal lambs. Richardson BS, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R72–7

Oxygen consumption and oxidative capacity of muscles from young obese and nonobese Zucker rats. Wardlaw GM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R911–7

Effects of gastric distention–volvulus on coronary blood flow and myocardial oxygen consumption in the dog. Horne WA, et al. **Am J Vet Res** 1985 Jan;46(1):98–104

Reproducibility of VO2max in patients with chronic air–flow obstruction. Brown SE, et al. **Am Rev Respir Dis** 1985 Mar;131(3):435–8

Dependence of oxygen uptake on oxygen transport in patients with chronic obstructive pulmonary disease [letter] Cole RP. **Am Rev Respir Dis** 1985 Jan;131(1):184

Fluid loading increases oxygen consumption in septic patients with lactic acidosis. Haupt MT, et al. **Am Rev Respir Dis** 1985 Jun;131(6):912–6

Deterioration of oxygenation and abnormal lung microvascular permeability during resolution of leukopenia in patients with diffuse lung injury. Rinaldo JE, et al. **Am Rev Respir Dis** 1985 Apr;131(4):579–83

Oxygen consumption of mammalian myocardial cells in culture: measurements in beating cells attached to the substrate of the culture dish. Yamada T, et al. **Anal Biochem** 1985 Mar;145(2):302–7

Errors in measurement of oxygen uptake due to anesthetic gases. Aukburg SJ, et al. **Anesthesiology** 1985 Jan;62(1):54–9

Early detection of malignant hyperthermia [letter] Baumgarten RK, et al. **Anesthesiology** 1985 Jul;63(1):123

The effect of paralysis on oxygen consumption in normoxic children after cardiac surgery. Palmisano BW, et al. **Anesthesiology** 1984 Nov;61(5):518–22

Oxygen–dependent mechanisms in cerebral autoregulation. Kontos HA, et al. **Ann Biomed Eng** 1985;13(3–4):329–34

Transcutaneous oxygen tension measurements during graded hemorrhage and reinfusion. Dronen SC, et al. **Ann Emerg** Med 1985 Jun;14(6):534–9

Red cell substitutes: an update. Gould SA, et al. **Ann Emerg Med** 1985 Aug;14(8):798–803

Myophosphorylase deficiency impairs muscle oxidative metabolism. Haller RG, et al. **Ann Neurol** 1985 Feb;17(2):196–9

Comparison of cardiorespiratory responses between treadmill exercise and outdoor exercises. Ichimaru Y, et al. **Ann Physiol Anthropol** 1984 Jul;3(3):217–25

The role of oxygen and its derivatives in microbial pathogenesis and host defense. Beaman L, et al. **Annu Rev Microbiol** 1984;38:27–48 (124 ref.)

Respiratory control and the integration of heart high–energy phosphate metabolism by mitochondrial creatine kinase. Jacobus WE. **Annu Rev Physiol** 1985;47:707–25 (85 ref.)

The stoichiometry of photorespiration during C3–photosynthesis is not fixed: evidence from combined physical and stereochemical methods. Hanson KR, et al. **Arch Biochem Biophys** 1985 Mar;237(2):300–13

Interrelation between salvage of purine nucleotides and protein synthesis in rat heart cells. Ravid K, et al. **Arch Biochem Biophys** 1985 Jan;236(1):159–66

Age–related differences in the response of hepatic oxygen consumption to thermal stress in the male garden lizard. Kara TC, et al. **Arch Gerontol Geriatr** 1985 Apr;4(1):29–35

Metabolic and respiratory effects of continuous and discontinuous lipid infusions. Occurrence in excess of resting energy expenditure. Abbott WC, et al. **Arch Surg** 1984 Dec;119(12):1367–71

Influence of maximum aerobic capacity and relative body weight on the lipoprotein profile in athletes. Berg A, et al. **Atherosclerosis** 1985 May;55(2):225–31

The measurement of the oxygen tension of lymph in conscious sheep. Cheung K, et al. **Aust J Exp Biol Med Sci** 1984 Dec;62 (Pt 6):661–70

The respiration and energy metabolism of sheep lymphocytes. Cheung K, et al. **Aust J Exp Biol Med Sci** 1984 Dec;62 (Pt 6):671–85

Diurnal variation in oxygen consumption of laboratory rats. Maxwell GM, et al. **Aust J Exp Biol Med Sci** 1985 Feb;63 (Pt 1):73–5

Cardiovascular responses during orthostasis: effect of an increase in VO2max. Convertino VA, et al. **Aviat Space Environ Med** 1984 Aug;55(8):702–8

Effects of a 7–day head–down tilt (–6 degrees) on the dynamics of oxygen uptake and heart rate adjustment in upright exercise. Stegemann J, et al. **Aviat Space Environ Med** 1985 May;56(5):410–4

Anoxia influences the lateral diffusion of a lipid probe in the plasma membrane of isolated cardiac myocytes. Finch SA, et al. **Basic Res Cardiol** 1985;80 Suppl 1:149–52

Anoxic injury of adult cardiac myocytes. Piper HM, et al. **Basic Res Cardiol** 1985;80 Suppl 1:37–41

Anoxia in neonatal rat heart cell cultures. Van der Laarse A, et al. **Basic Res Cardiol** 1985;80 Suppl 1:137–42

Influence of myocardial isomyosins on cardiac performance and oxygen consumption. Wikman–Coffelt J, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1314–23

Quantitative determination of cytochromes in the aerobic respiratory chain of Escherichia coli by high–performance liquid chromatography and its application to analysis of mitochondrial cytochromes. Kita K, et al. **Biochem Int** 1985 Feb;10(2):319–26

The respiration and calcium content of heart mitochondria from rats with vitamin D–induced cardionecrosis. Zydowo MM, et al. **Biochem J** 1985 Feb 15;226(1):155–61

Intensity and kinetics of the respiratory burst of human neutrophils in relation to receptor occupancy and rate of occupation by formylmethionylleucylphenylalanine. De Togni P, et al. **Biochim Biophys Acta** 1985 Jan 28;838(1):12–22

Relationship between metabolic rate and body size in fetal life. Bell AW, et al. **Biol Neonate** 1985;47(2):120–3

Oxygen consumption and CO2 production of low–birth–weight infants in two sleep states. Dane HJ, et al. **Biol Neonate** 1985;47(4):205–10

Increases in human sperm oxygen consumption at low cell concentrations. Deutch DS, et al. **Biol Reprod** 1985 May;32(4):865–71

Cutaneous gas exchange in vertebrates: design, patterns, control and implications. Feder ME, et al. **Biol Rev** 1985 Feb;60(1):1–45 (196 ref.)

The share of lipoxygenase in the antimycin–resistant oxygen uptake of intact rabbit reticulocytes. Salzmann U, et al. **Biomed Biochim Acta** 1985;44(2):213–21

A model for avian lung ventilation, and the effect of accelerating stimulation in Japanese quail embryos. Morgan BJ, et al. **Biometrics** 1985 Mar;41(1):215–26

Method for the determination of oxygen consumption rates and diffusion coefficients in multicellular spheroids. Mueller–Klieser W. **Biophys J** 1984 Sep;46(3):343–8

Effects of training and exhaustive exercise on the mitochondrial oxidative capacity of brown adipose tissue. Gohil K, et al. **Biosci Rep** 1984 Nov;4(11):987–93

Comparative measurement of regional blood flow, oxygen and glucose utilisation in soft tissue tumour of rabbit with positron imaging. Kairento AL, et al. **Br J Radiol** 1985 Jul;58(691):637–43

Maximal oxygen intake estimated from submaximal heart rate. Dotson CO, et al. **Br J Sports Med** 1984 Sep;18(3):191–4

Predictability of VO2 max from submaximal cycle ergometer and bench stepping tests. Fitchett MA. **Br J Sports Med** 1985 Jun;19(2):85–8

Relationship of ergometer–specific VO2 max and muscle enzymes to blood lactate during submaximal exercise. Jacobs I, et al. **Br J Sports Med** 1985 Jun;19(2):77–80

The metabolic challenge of the marathon. Williams C, et al. **Br J Sports Med** 1984 Dec;18(4):245–52

Endoneurial blood flow and oxygen tension in the sciatic nerves of rats with experimental diabetic neuropathy. Tuck RR, et al. **Brain** 1984 Sep;107 (Pt 3):935–50

Effect of locus coeruleus stimulation on regional cerebral oxygen consumption in the cat. Buchweitz E, et al. **Brain Res** 1985 Jan 28;325(1–2):107–14

Maximal oxygen uptake during exercise using trained or untrained muscles. Moreira–da–Costa M, et al. **Braz J Med Biol Res** 1984;17(2):197–202

Effects of intubation on coronary blood flow and myocardial oxygenation. Moffitt EA, et al. **Can Anaesth Soc J** 1985 Mar;32(2):105–11

The effects of three training intensities on VO2 max and VE/VO2 ratio. Bhambhani Y, et al. **Can J Appl Sport Sci** 1985 Mar;10(1):44–51

Metabolic, hemodynamic, and respiratory responses to performing cardiopulmonary resuscitation. Miles DS, et al. **Can J Appl Sport Sci** 1984 Sep;9(3):141–7

The acquisition of muscular strength: the influence of training velocity and initial VO2 max. Petersen SR, et al. **Can J Appl Sport Sci** 1984 Dec;9(4):176–80

The effects of hyperoxia on oxygen uptake during acute anemia. Chapler CK, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):809–14

Induction of thermotolerance and heat shock protein synthesis in normal and respiration–deficient chick embryo fibroblasts. Landry J, et al. **Cancer Res** 1985 May;45(5):2240–7

Oxygen consumption by tumor cells during membrane vesicle shedding. Liepins A, et al. **Cell Biol Int Rep** 1985 May;9(5):501–11

Attempts to characterize the T–cell population and lymphokine involved in the activation of macrophage oxygen metabolism in murine listeriosis. Kaufmann SH, et al. **Cell Immunol** 1984 Oct 15;88(2):545–50

Left ventricular function before and after reaching the anaerobic threshold. Boucher CA, et al. **Chest** 1985 Feb;87(2):145–50

Oxygen cost of breathing. Changes dependent upon mode of mechanical ventilation. Kanak R, et al. **Chest** 1985 Jan;87(1):126–7

Oxygen delivery in critically ill patients. Relationship to blood lactate and survival. Rashkin MC, et al. **Chest** 1985 May;87(5):580–4

Impact of profound reductions of PaO2 on O2 transport and utilization in congenital heart disease. Theodore J, et al. **Chest** 1985 Mar;87(3):293–302

Limitations of tracer oxygen uptake in the canine coronary circulation. Rose CP, et al. **Circ Res** 1985 Jan;56(1):57–71

Independence of myocardial oxygen consumption from pressure–volume trajectory during diastole in canine left ventricle. Suga H, et al. **Circ Res** 1984 Dec;55(6):734–9

Oxygen consumption in septic shock: collective review. Houtchens BA, et al. **Circ Shock** 1984;13(4):361–84 (169 ref.)

Increase in myocardial oxygen consumption indexes by exercise training at onset of ischemia in patients with coronary artery disease. Laslett LJ, et al. **Circulation** 1985 May;71(5):958–62

Measurement of oxygen consumption in preterm infants: assessment of a method using a mass spectrometer. Hammarlund K. **Clin Physiol** 1984 Dec;4(6):519–31

Reduction in maximal oxygen uptake at low altitudes; role of training status and lung function. Terrados N, et al. **Clin Physiol** 1985;5 Suppl 3:75–9

Prolonged diving and recovery in the freshwater turtle, Pseudemys scripta––IV. Effects of profound acidosis on O2 consumption in turtle vs rat (mammalian) brain and heart slices. Caligiuri MA, et al. **Comp Biochem Physiol [A]** 1985;81(3):603–5

Acclimation to constant and variable temperatures in plethodontid salamanders––I. Rates of oxygen consumption. Feder ME. **Comp Biochem Physiol [A]** 1985;81(3):673–82

Oxygen consumption in the tortoise, Testudo hermanni G., subjected to sudden temperature changes in summer and autumn. Kirsch R, et al. **Comp Biochem Physiol [A]** 1984;79(4):513–7

A technique for the determination of the available oxygen in living carp (Cyprinus carpio) muscle. Lucchiari PH, et al. **Comp Biochem Physiol [A]** 1984;78(4):675–9

The viability of nearctic freshwater turtles submerged in anoxia and normoxia at 3 and 10 degrees C. Ultsch GR. **Comp Biochem Physiol [A]** 1985;81(3):607–11

Viability control and oxygen consumption of isolated hepatocytes from thermally acclimated rainbow trout (Salmo gairdnerii). Seibert H. **Comp Biochem Physiol [B]** 1985;80(4):677–83

Calculation of resting energy expenditure [letter] Brandi LS. **Crit Care Med** 1985 Jul;13(7):611

Oxygen transport and utilization in hyperoxia and hypoxia: relation of conjunctival and transcutaneous oxygen tensions to hemodynamic and oxygen transport variables. Fink S, et al. **Crit Care Med** 1984 Nov;12(11):943–8

Fluctuations in resting energy expenditure [letter] Peters J, et al. **Crit Care Med** 1984 Oct;12(10):926

Oxygen consumption and blood gas exchange during controlled and intermittent mandatory ventilation after cardiac surgery. Prakash O, et al. **Crit Care Med** 1985 Jul;13(7):556–9

Effect of hemorrhagic shock on conjunctival and transcutaneous oxygen tensions in relation to hemodynamic and oxygen transport changes. Shoemaker WC, et al. **Crit Care Med** 1984 Nov;12(11):949–52

The effect of the retinal circulation on vitreal oxygen tension. Alder VA, et al. **Curr Eye Res** 1985 Feb;4(2):121–9

Spatial distribution of oxygen in the cornea of a closed eye wearing a gas permeable contact lens. Fatt I, et al. **Curr Eye Res** 1985 Jun;4(6):723–4

A noninvasive optical method to measure oxygen tension at the corneal epithelium. Masters BR. **Curr Eye Res** 1985

Jun;4(6):725–7

Perfluoro–1–methyldecalin as a potential oxygen carrier with fluid scleral lenses. Refojo MF, et al. **Curr Eye Res** 1985 Jun;4(6):732–3

Physiology of resuscitation. Winegar CD, et al. **Emerg Med Clin North Am** 1983 Dec;1(3):479–99 (160 ref.)

Effects of training at and above the lactate threshold on the lactate threshold and maximal oxygen uptake. Henritze J, et al. **Eur J Appl Physiol** 1985;54(1):84–8

Force kinetics and oxygen consumption during bicycle ergometer work in racing cyclists and reference–group. Künstlinger U, et al. **Eur J Appl Physiol** 1985;54(1):58–61

The influence of cardiorespiratory fitness on the decrement in maximal aerobic power at high altitude. Young AJ, et al. **Eur J Appl Physiol** 1985;54(1):12–5

Dissociation between VO2max and ventilatory threshold responses to endurance training. Gaesser GA, et al. **Eur J Applied Physiol** 1984;53(3):242–7

The effects of cigarette smoking on maximal oxygen consumption and selected physiological responses of elite team sportsmen. Morton AR, et al. **Eur J Applied Physiol** 1985;53(4):348–52

Influence of heat stress and acclimation on maximal aerobic power. Sawka MN, et al. **Eur J Applied Physiol** 1985; 53(4):294–8

Developmental aspects of maximal aerobic power in children. Krahenbuhl GS, et al. **Exerc Sport Sci Rev** 1985;13:503–38 (139 ref.)

Does the amphibian eye have an ocular oxygen–concentrating mechanism? Toews DP, et al. **Exp Biol** 1985;43(3):179–82

The apparent non–linearity of the relationship between the rate of respiration and the protonmotive force of mitochondria can be explained by heterogeneity of mitochondrial preparations. Duszyński J, et al. **FEBS Lett** 1985 Mar 25;182(2):243–8

The H+/O ratio of proton translocation linked to the oxidation of succinate by mitochondria. Krab K, et al. **FEBS Lett** 1984 Dec 10;178(2):187–92

Respiratory nitrate reductase of Escherichia coli. Sequence identification of the large subunit gene. McPherson MJ, et al. **FEBS Lett** 1984 Nov 19;177(2):260–4

Relationships between phosphoinositide metabolism, Ca2+ changes and respiratory burst in formyl–methionyl–leucyl–phenylalanine–stimulated human neutrophils. The breakdown of phosphoinositides is not involved in the rise of cytosolic free Ca2+. Rossi F, et al. **FEBS Lett** 1985 Feb 25;181(2):253–8

Use of the respiration activity of Thiobacillus ferrooxidans for the specific determination of iron(II, III). Mandl M, et al. **Folia Microbiol (Praha)** 1985;30(2):105–9

Newer concepts in the pathophysiology of ischemic heart disease. Kirk ES, et al. **G Ital Cardiol** 1984 Nov; 14(11):881–91

Metabolic aspects of compensatory mechanisms in cardiac failure. Kübler W, et al. **G Ital Cardiol** 1984 Sep; 14(9):678–84

Ion transport and oxygen consumption in kidney cortex slices from young and old rats. Proverbio F, et al. **Gerontology** 1985;31(3):166–73

Human cornea: oxygen uptake immediately following graded deprivation. Benjamin WJ, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(1):47–9

Hepatic mitochondrial oxidative metabolism in rats with chronic dietary iron overload. Bacon BR, et al. **Hepatology** 1985 Sep–Oct;5(5):789–97

Effect of long term differences in energy intake on metabolic rate and thyroid hormones. Griggio MA, et al. **Horm Metab Res** 1985 Feb;17(2):67–71

Sex related response to stress induced by immobilization with pain in Wistar rats. Menendez–Patterson A, et al. **Indian J Med Res** 1984 Jun;79:824–30

Reproducibility of maximal oxygen uptake in silicotic subjects who are co–operative. Mohan Kumar T, et al. **Indian J Med Res** 1984 Aug;80:242–50

Enhanced oxidative burst in immunologically activated but not elicited polymorphonuclear leukocytes correlates with fungicidal activity. Brummer E, et al. **Infect Immun** 1985 Aug;49(2):396–401

Oxidative metabolic response and microbicidal activity of human milk macrophages: effect of lipopolysaccharide and muramyl dipeptide. Cummings NP, et al. **Infect Immun** 1985 Aug;49(2):435–9

Oxidative metabolism of neonatal and adult rabbit lung macrophages stimulated with opsonized group B streptococci. Sherman MP, et al. **Infect Immun** 1985 Jan; 47(1):26–30

New aspects on the pathophysiology of wound infection and wound healing––the problem of lowered oxygen pressure in the tissue. Kühne HH, et al. **Infection** 1985 Mar–Apr; 13(2):52–6

Cardiorespiratory strain in jobs that require respiratory protection. Louhevaara V, et al. **Int Arch Occup Environ Health** 1985;55(3):195–206

A pilot study of voluntary control of transcutaneous PO2 by children: a brief communication. Olness KN, et al. **Int J Clin Exp Hypn** 1985 Jan;33(1):1–5

Endurance training, VO2 max, and OBLA: a longitudinal study of two different age groups. Denis C, et al. **Int J Sports Med** 1984 Aug;5(4):167–73

Bicycle ergometry and speed skating performance. Geijsel J, et al. **Int J Sports Med** 1984 Oct;5(5):241–5

Pulmonary ventilation in relation to oxygen uptake and carbon dioxide production during incremental load work. Hagan RD, et al. **Int J Sports Med** 1984 Aug;5(4):193–7

Historical remarks on the development of the aerobic–anaerobic threshold up to 1966. Hollmann W. **Int J Sports Med** 1985 Jun;6(3):109–16

Responses of maximal aerobic power and capacity to aerobic training. Lortie G, et al. **Int J Sports Med** 1984 Oct; 5(5):232–6

Maximal and submaximal oxygen uptakes and blood lactate levels in elite male middle– and long–distance runners. Svedenhag J, et al. **Int J Sports Med** 1984 Oct;5(5):255–61

Oxygen–free radicals and lipid peroxidation in adult respiratory distress syndrome. Bertrand Y. **Intensive Care Med** 1985;11(2):56–60 (47 ref.)

Comment on the paper by R. Abizanda and J. Lopez. 'The possibility of predicting PaO2 following changes in FIO2' [letter] Doyle DJ. **Intensive Care Med** 1985;11(2):105

Polarography: an oxygen survey correlating oxygen transmissibility to 'EOP' values. Roscoe WR, et al. **Invest Ophthalmol Vis Sci** 1984 Dec;25(12):1451–3

A low–cost modular oxygen–consumption device for small animals. Arundel PA, et al. **J Appl Physiol** 1984 Nov; 57(5):1591–3

Pressure–time product, flow, and oxygen cost of resistive breathing in humans. Collett PW, et al. **J Appl Physiol** 1985 Apr;58(4):1263–72

VO2 kinetics of constant–load exercise following bed–rest–induced deconditioning. Convertino VA, et al. **J Appl Physiol** 1984 Nov;57(5):1545–50

Kinetics of oxygen uptake and heart rate at onset of exercise in children. Cooper DM, et al. **J Appl Physiol** 1985 Jul; 59(1):211–7

Performance evaluation of recessed microcathodes: criteria for tissue PO2 measurement. Crawford DW, et al. **J Appl Physiol** 1985 Apr;58(4):1400–5

Reduced training frequency effects on aerobic power and muscle adaptations in rats. Hickson RC, et al. **J Appl Physiol** 1984 Dec;57(6):1834–41

Effect of pH on metabolic and cardiorespiratory responses during progressive exercise. Kowalchuk JM, et al. **J Appl Physiol** 1984 Nov;57(5):1558–63

Dynamic exercise training in foxhounds. I. Oxygen consumption and hemodynamic responses. Musch TI, et al. **J Appl Physiol** 1985 Jul;59(1):183–9

Marathon performance, anaerobic threshold, and onset of blood lactate accumulation. Tanaka K, et al. **J Appl Physiol** 1984 Sep;57(3):640–3

Respiratory system of vegetative and sporulating Bacillus cereus. Escamilla JE, et al. **J Bacteriol** 1984 Oct; 160(1):473–7

Release of respiratory control in Escherichia coli after bacteriophage adsorption: process independent of DNA injection. Letellier L, et al. **J Bacteriol** 1985 Jan; 161(1):179–82

Isolation and characterization of transposon Tn5–induced mutants of Pseudomonas perfectomarina defective in nitrous oxide respiration. Zumft WG, et al. **J Bacteriol** 1985 Sep;163(3):918–24

An electrochemical method for determination of cell respiration. Riedel K, et al. **J Basic Microbiol** 1985; 25(1):51–6

Interaction of fluorescent berberine alkyl derivatives with respiratory chain of rat liver mitochondria. Mikeš V, et al. **J Bioenerg Biomembr** 1985 Feb;17(1):23–32

Respiratory control in Micrococcus lysodeikticus. Rosenberg M, et al. **J Bioenerg Biomembr** 1984 Feb;16(1):61–8

Steady–state kinetics of the overall oxidative phosphorylation reaction in heart mitochondria. Evidence for linkage of the energy–yielding and energy–consuming steps by freely diffusible intermediates and for an allosteric mechanism of respiratory control at coupling site 2. Stoner CD. **J Bioenerg Biomembr** 1985 Apr;17(2):85–108

O2–triggered changes of membrane fatty acid composition have no effect on Arrhenius discontinuities of respiration in sycamore (Acer pseudoplatanus L.) cells. Bligny R, et al. **J Biol Chem** 1985 Aug 5;260(16):9166–70

Proton stoichiometry associated with human neutrophil respiratory–burst reactions. Gabig TG, et al. **J Biol Chem** 1984 Nov 10;259(21):13166–71

The ATP–to–oxygen stoichiometries of oxidative phosphorylation by rat liver mitochondria. An analysis of ADP–induced oxygen jumps by linear nonequilibrium thermodynamics. Lemasters JJ. **J Biol Chem** 1984 Nov 10; 259(21):13123–30

Energy cost during gait in osteosarcoma patients after resection and knee replacement and after above–the–knee amputation. Otis JC, et al. **J Bone Joint Surg [Am]** 1985 Apr;67(4):606–11

Sympathetic control of myocardial oxygen balance in dogs mediated by activation of coronary vascular alpha 2–adrenoceptors. Saeed M, et al. **J Cardiovasc Pharmacol** 1985 Jan–Feb;7(1):167–73

Relationship among peripheral glucose uptake, oxygen consumption, and glucose turnover in postabsorptive man. Jackson RA, et al. **J Clin Endocrinol Metab** 1984 Nov; 59(5):857–60

Metabolic and circulatory limitations to VO2 max at the whole animal level. di Prampero PE. **J Exp Biol** 1985 Mar; 115:319–31

First–order kinetics of muscle oxygen consumption, and an equivalent proportionality between QO2 and phosphorylcreatine level. Implications for the control of respiration. Mahler M. **J Gen Physiol** 1985 Jul;86(1):135–65

Reappraisal of diffusion, solubility, and consumption of oxygen in frog skeletal muscle, with applications to muscle energy balance. Mahler M, et al. **J Gen Physiol** 1985 Jul; 86(1):105–34

The modification of the oxidative metabolism of cells derived both locally and at distance from the site of an acute inflammatory reaction. Bird J, et al. **J Leukocyte Biol** 1985 Jan;37(1):109–20

Mitochondrial respiration following acute hypoxia in the perfused rat heart. Fuller EO, et al. **J Mol Cell Cardiol** 1985 Jan;17(1):71–81

Molecular oxygen: friend and foe. The role of the oxygen free radical system in the calcium paradox, the oxygen paradox and ischemia/reperfusion injury. Hess ML, et al. **J Mol Cell Cardiol** 1984 Nov;16(11):969–85 (92 ref.)

Reperfusion injury induced by augumented oxygen uptake in the initial reperfusion period. Possible efficacy of extreme hemodilution. Otani H, et al. **J Mol Cell Cardiol** 1985 May; 17(5):457–65

Incorporation and distribution of 3H oleic acid in the isolated, perfused guinea–pig heart made hypoxic. Ward B, et al. **J Mol Cell Cardiol** 1984 Aug;16(8):765–70

Trypanosoma lewisi: in vitro oxygen uptake by parasites grown in albino and black rats. Elhelu MA, et al. **J Natl Med Assoc** 1984 Dec;76(12):1159–62

Regional mitochondrial respiratory activity in Huntington's disease brain. Brennan WA Jr, et al. **J Neurochem** 1985 Jun;44(6):1948–50

Blood flow and oxygen utilisation in the contralateral cerebral cortex of patients with untreated intracranial tumours as studied by positron emission tomography, with observations on the effect of decompressive surgery. Beaney RP, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr; 48(4):310–9

Studies on regional cerebral oxygen utilisation and cognitive function in multiple sclerosis. Brooks DJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Nov;47(11):1182–91

Oxygen electrode studies with human skeletal muscle mitochondria in vitro. A re–appraisal. Byrne E, et al. **J Neurol Sci** 1985 Jul;69(3):319–33

Brain oxygen utilization measured with oxygen–15 radiotracers and positron emission tomography: generation of metabolic images. Herscovitch P, et al. **J Nucl Med** 1985 Apr;26(4):416–7

Oxygen consumption in mice (I strain) after feeding. Hoover–Plow J, et al. **J Nutr** 1985 Mar;115(3):303–10

Alveolar–arterial oxygen gradients versus the Neonatal Pulmonary Insufficiency Index for prediction of mortality in ECMO candidates. Krummel TM, et al. **J Pediatr Surg** 1984 Aug;19(4):380–4

Effect of hypoxia and pregnancy on antipyrine metabolism in isolated perfused rat livers. Brouwer KL, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):584–9

An inexpensive apparatus for simultaneous automatic measurement of oxygen consumption in six small laboratory animals. Horstmann M, et al. **J Pharmacol Methods** 1985 Sep;14(2):119–28

Oxidative metabolism associated with phagocytosis in Acanthamoeba castellanii. Brooks SE, et al. **J Protozool** 1985 May;32(2):330–3

Maximal oxygen uptake of obese middle–aged women related to body composition and total body potassium. Atomi Y, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):212–8

Maximal aerobic power of French top level competitors. Joussellin E, et al. **J Sports Med Phys Fitness** 1984 Sep; 24(3):175–82

The hemodynamic and physiologic differences between exercise modalities. McConnell TR, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):238–45

A trend analysis of steady state oxygen consumption during arm crank ergometry. Powers SK, et al. **J Sports Med Phys Fitness** 1984 Jun;24(2):131–4

Measurement of myocardial oxygen consumption. Cohan G, et al. **J Surg Res** 1985 Mar;38(3):305–13

Arterial O2 saturation and maximum O2 consumption in moderate–altitude runners exposed to sea level and 3,050 m. Tucker A, et al. **JAMA** 1984 Nov 23–30;252(20):2867–71

Physiological significance of the slope of the regression equation between oxygen consumption and heart rate in exercise testing. Sunagawa H, et al. **Jpn Circ J** 1984 Dec; 48(12):1399–401

Regional changes in mitochondrial respiration in acute myocardial ischemia. Comparison of the inner and outer heart muscles. Minatoguchi H, et al. **Jpn Heart J** 1984 Jul; 25(4):609–21

Oxygen deficit and anaerobic threshold in the incremental exercise in normoxia and hypoxia. Yano T, et al. **Jpn J Physiol** 1984;34(6):1129–33

Cardiovascular and metabolic responses to submaximal exercise in hemodialysis patients. Kettner A, et al. **Kidney Int** 1984 Jul;26(1):66–71

Relationship between intracellular oxygenation and neuromuscular conduction during hypoxic hypoxia. Millis RM, et al. **Life Sci** 1984 Dec 10;35(24):2443–51

Respiratory activity and oxidative phosphorylation in mitochondria of the rat brain and liver under conditions of elevated temperature of the environment. Skonieczna M, et al. **Med Pr** 1984;35(4):263–7

Submaximal exercise quantified as percent of normoxic and hyperoxic maximum oxygen uptakes. Byrnes WC, et al.

Med Sci Sports Exerc 1984 Dec;16(6):572-7

Effect of exercise on oxygen consumption, heart rate, and the electrocardiogram of pigs. Faraci FM, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):406-10

Specificity of arm training on aerobic power during swimming and running. Gergley TJ, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):349-54

Parasympathetic control of resting heart rate: relationship to aerobic power. Kenney WL. **Med Sci Sports Exerc** 1985 Aug;17(4):451-5

Influence of intense endurance training on aerobic power of competitive distance runners. Mikesell KA, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):371-5

VO2max responses in separate and combined arm and leg air-braked ergometer exercise. Nagle FJ, et al. **Med Sci Sports Exerc** 1984 Dec;16(6):563-6

Effects of dieting and exercise on lean body mass, oxygen uptake, and strength. Pavlou KN, et al. **Med Sci Sports Exerc** 1985 Aug;17(4):466-71

Oxygen consumption in collagenase-liberated rat adipocytes in relation to cell size and age. Hallgren P, et al. **Metabolism** 1984 Oct;33(10):897-900

Decrease in respiration activity related to prodigiosin synthesis in Serratia marcescens. Kobayashi N, et al. **Microbiol Immunol** 1985;29(4):301-8

The respiratory chains of Escherichia coli. Ingledew WJ, et al. **Microbiol Rev** 1984 Sep;48(3):222-71 (510 ref.)

Oxygen uptake in exercising subjects with minimal renal disease. Parrish AE, et al. **Nephron** 1985;40(4):455-7

Simultaneous measurement of local blood flow and tissue oxygen in rat spinal cord. Hayashi N, et al. **Neurol Res** 1983;5(4):49-58

Regional cerebral oxygen utilization, blood flow, and blood volume in benign intracranial hypertension studied by positron emission tomography. Brooks DJ, et al. **Neurology** 1985 Jul;35(7):1030-4

Direct in vivo measurement of corneal epithelial metabolic activity using a polarographic oxygen sensor. Holden BA, et al. **Ophthalmic Res** 1985;17(3):168-73

Growth-related changes in oxygen uptake and heart rate during progressive exercise in children. Cooper DM, et al. **Pediatr Res** 1984 Sep;18(9):845-51

The effects of sodium bicarbonate on brain blood flow and O2 delivery during hypoxemia and acidemia in the piglet. Laptook AR. **Pediatr Res** 1985 Aug;19(8):815-9

The effect of blood volume expansion on gastrointestinal oxygenation in piglets. Nowicki PT, et al. **Pediatr Res** 1985 Mar;19(3):268-71

Noninvasive monitoring of cerebral oxygenation in preterm infants: preliminary observations. Brazy JE, et al. **Pediatrics** 1985 Feb;75(2):217-25

Aerobic capacity, obesity, and atherosclerotic risk factors in male adolescents. Fripp RR, et al. **Pediatrics** 1985 May;75(5):813-8

Human placental mitochondrial respiration and its regulation by adenine nucleotides. Illsley NP, et al. **Placenta** 1985 May-Jun;6(3):187-97

Mechanical and metabolic viability of a placental perfusion system in vitro under oxygenated and anoxic conditions. Illsley NP, et al. **Placenta** 1984 May-Jun;5(3):213-25

Transcutaneous oxygen and flaps. Achauer BM, et al. **Plast Reconstr Surg** 1984 Nov;74(5):721-2

The effect of dietary cholesterol, energy intake, and oxygen consumption on cholesterol metabolism in the chick. Sutton CD, et al. **Poult Sci** 1985 Mar;64(3):502-9

Spin-label oximetry: kinetic study of cell respiration using a rapid-passage T1-sensitive electron spin resonance display. Froncisz W, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):411-5

The effects of atrial fibrillation on myocardial blood flow and energetics. Friedman HS, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):1-8

Heart rate and oxygen consumption during mental arithmetic, a video game, and graded exercise: further evidence of metabolically-exaggerated cardiac adjustments? Turner JR, et al. **Psychophysiology** 1985 May;22(3):261-7

Oxygen supply to spheroids in spinner and liquid-overlay culture. Franko AJ, et al. **Recent Results Cancer Res** 1984;95:162-7

Profiles of oxygen partial pressure and oxygen consumption inside multicellular spheroids. Grossmann U. **Recent Results Cancer Res** 1984;95:150-61

Electrode oxygen consumption and tissue oxygen tension in relation to electrical bone stimulation. Renooij W, et al. **Reconstr Surg Traumatol** 1985;19:32-9

Pathophysiology of human cerebral ischemia: studies with positron tomography and 15oxygen. Frackowiak RS. **Res Publ Assoc Res Nerv Ment Dis** 1985;63:139-61

Increased metabolism contributes to increased resting ventilation at high altitude. Huang SY, et al. **Respir Physiol** 1984 Sep;57(3):377-85

Oxygen consumption and mode of energy production in the intertidal worm Sipunculus nudus L.: definition and characterization of the critical PO2 for an oxyconformer. Pörtner HO, et al. **Respir Physiol** 1985 Mar;59(3):361-77

Variability of shell conductance and gas exchange of chicken eggs. Visschedijk AH, et al **Respir Physiol** 1985 Mar;59(3):339-45

Value of nocturnal monitoring of transcutaneous O2 and CO2 pressures in adults with respiratory failure. Brambilla I, et al. **Respiration** 1985;48(1):81-90

Myocardial ischaemia during tachycardia--not due to an increase in myocardial oxygen demand. Coetzee A, et al. **S Afr Med J** 1985 Mar 30;67(13):496-9

Transcutaneous measurement of the oxygen partial pressure using argon to correct for the oxygen consumption of the probe. Hjarbaek J, et al. **Scand J Clin Lab Invest** 1984 Dec;44(8):739-44

Viability in split-skin biopsies measured by a surface oxygen electrode. Jensen HS, et al. **Scand J Clin Lab Invest** 1984 Sep;44(5):423-8

Oxygen partial pressure under upper full dentures. Mombelli A, et al. **Schweiz Monatsschr Zahnmed** 1984 Dec;94(12):1269-74

PWC75%HRmax: a measure of aerobic work capacity. Miyashita M, et al. **Sports Med** 1985 May-Jun;2(3):159-64

Tests of maximum oxygen intake. A critical review. Shephard RJ. **Sports Med** 1984 Mar-Apr;1(2):99-124 (283 ref.)

The effects of extreme hemodilutions on the autoregulation of cerebral blood flow, electroencephalogram and cerebral metabolic rate of oxygen in the dog. Maruyama M, et al. **Stroke** 1985 Jul-Aug;16(4):675-9

Effects of extra-intracranial arterial bypass on cerebral blood flow and oxygen metabolism in humans. Samson Y, et al. **Stroke** 1985 Jul-Aug;16(4):609-16

Performance, ventilation, and oxygen consumption in three different types of exercise test in patients with chronic obstructive lung disease. Swinburn CR, et al. **Thorax** 1985 Aug;40(8):581-6

[Dependence of oxygen consumption on hemoglobin concentrations and blood viscosity in acute hemorrhage] Tenchev P, et al. **Eksp Med Morfol** 1984;23(3):117-22 (Eng. Abstr.) **(Bul)**

[Ratios of oxygen consumption to the changes in hemodynamics and oxygen transport in hemorrhagic shock] Tenchev P. **Khirurgiia (Sofiia)** 1984;37(4):252-7 (Eng. Abstr.) **(Bul)**

[Deep hypothermia with temporary circulatory arrest in the surgery of congenital heart defects in small children. II. Functional changes during surface cooling. Total oxygen consumption during extracorporeal circulation] Kučera V, et al. **Cas Lek Cesk** 1985 Jul 26;124(30):948-52 (Eng. Abstr.) **(Cze)**

[Acupuncture and bioelectrochemistry of cutaneous oxygen] Buvet R, et al. **Agressologie** 1984 Nov;25(10):1117-21 (Eng. Abstr.) **(Fre)**

[Intraoperative myocardial ischemia. Physiopathology and prevention] Coriat P. **Ann Fr Anesth Reanim** 1984;3(5):351-63 (150 ref.) **(Fre)**

[Kinetics of oxygen consumption during running of supramaximal intensity in differently trained subjects] Camus G, et al. **C R Soc Biol (Paris)** 1985;179(1):107-13 (Eng. Abstr.) **(Fre)**

[Calculation of record-time in the 800-meter run: predictive value of Margaria's equation] Camus G, et al. **C R Soc Biol (Paris)** 1985;179(1):114-21 (Eng. Abstr.) **(Fre)**

[Relation between maximal oxygen consumption and the record time in the 1500-meter run. Analysis of Lloyd's model] Camus G, et al. **J Physiol (Paris)** 1985;80(1):3-7 (Eng. Abstr.) **(Fre)**

[Hormonal response to cold during maximum oxygen consumption in the dog] Therminarias A. **J Physiol (Paris)** 1984;79(1):3-10 (Eng. Abstr.) **(Fre)**

[Regional hemodynamic and metabolic consequences of temporo-sylvian anastomosis. Study of 15 patients by positron emission tomography] Samson Y, et al. **Neurochirurgie** 1985;31(1):31-6 (Eng. Abstr.) **(Fre)**

[Oxygen supply and lactate utilization in the porcine heart] Thielscher HH. **Berl Munch Tierarztl Wochenschr** 1985 Feb 1;98(2):54-7 (Eng. Abstr.) **(Ger)**

[Tumor micromilieu. Experimental and theoretical studies of multicellular tumor spheroids] Müller-Klieser W. **Fortschr Med** 1985 May 9;103(18):477-80 (Eng. Abstr.) **(Ger)**

[Continuous measurement of oxygen uptake using the Engström Metabolic Computer] Behrendt W, et al. **Infusionsther Klin Ernahr** 1985 Jun;12(3):153-60 (Eng. Abstr.) **(Ger)**

[Oxygen supply of the human small intestine in mechanical ileus] Thermann M, et al. **Langenbecks Arch Chir** 1985;363(3):179-84 (Eng. Abstr.) **(Ger)**

[Principles of diagnosing aerobic and anaerobic capacity] Kindermann W. **Schweiz Z Sportmed** 1984 Sep;32(3):69-74 (Eng. Abstr.) **(Ger)**

[Functional relations between microcirculation and oxygen supply (physiologic peculiarities in polarographic pO2 measurement in tissue)] Ernst FD. **Z Gesamte Inn Med** 1985 May 1;40(9):249-56 (Eng. Abstr.) **(Ger)**

[Indirect study of oxygen consumption of the heart muscle] Tahy A, et al. **Z Gesamte Inn Med** 1984 Jul 15;39(14):342-6 (Eng. Abstr.) **(Ger)**

[Impact of maternal hypnosis in labor and parturition on various biochemical aspects of the newborn infant] Rosti D, et al. **Minerva Pediatr** 1984 Jun 15;36(11):597-600 (Eng. Abstr.) **(Ita)**

[An estimation method of parameters of O2-kinetics during recovery] Fukuba Y, et al. **Ann Physiol Anthropol** 1984 Jul;3(3):251-5 (Eng. Abstr.) **(Jpn)**

[Bibliography of indirect estimation of maximal oxygen intake] Watanuki S, et al. **Ann Physiol Anthropol** 1984 Jan;3(1):79-83 **(Jpn)**

[The effects of exercise and environmental conditions on prediction equations of maximal oxygen intake] Watanuki S, et al. **Ann Physiol Anthropol** 1984 Jan;3(1):47-61 (Eng. Abstr.) **(Jpn)**

[Coronary sinus flow and myocardial oxygen consumption following left ventricular aneurysmectomy] Kawachi K, et al. **Kokyu To Junkan** 1984 Sep;32(9):931-5 (Eng. Abstr.) **(Jpn)**

[Changes in oxygen consumption (VO2) during open heart surgery] Sakamoto A, et al. **Masui** 1985 Jun;34(6):773-5 (Eng. Abstr.) **(Jpn)**

[Significance of cross-circulation on obstructive jaundice in rats with special reference to the mitochondrial function of the liver and kidney] Fukaya H, et al. **Nippon Geka Gakkai Zasshi** 1985 Jun;86(6):709-16 (Eng. Abstr.) **(Jpn)**

[Systemic hemodynamics and oxygen metabolism in acute portal vein occlusion and following restoration of portal vein flow in canines] Hoshino S, et al. **Nippon Geka Gakkai Zasshi** 1985 Jun;86(6):738-51 (Eng. Abstr.) **(Jpn)**

[Protection from reperfusion injury--efficacy of extreme hemodilution at the initial reperfusion period] Otani H, et al. **Rinsho Kyobu Geka** 1984 Jul;4(4):426-30 (Eng. Abstr.) **(Jpn)**

[Effect of local sustained stress on general oxygen consumption in belt conveyer workers] Nakamura E, et al. **Sangyo Igaku** 1984 Sep;26(5):397-403 (Eng. Abstr.) **(Jpn)**

[Epilepsy and physical fitness] Nakken KO, et al. **Tidsskr Nor Laegeforen** 1985 Jun 10;105(16):1136-8 (Eng. Abstr.) **(Nor)**

[Physiopathological basis of disorders of homeostasis in parturients in relation to the degree of their physical capacity and development of fetal risk conditions] Brodziński W. **Ginekol Pol** 1984 Apr;55(4):287-92 (Eng. Abstr.) **(Pol)**

[Selected elements of exertion physiology as an introduction to physiopathology in obstetrics. I. The basis of human physical efficiency and oxygen supply during physical exertion] Brodziński W. **Ginekol Pol** 1984 Jun;55(6):393-9 (Eng. Abstr.) **(Pol)**

[Effect of meals on the cardiovascular system in ischemic heart disease] Kudlicki J, et al. **Kardiol Pol** 1984;27(4):329-33 (37 ref.) **(Pol)**

[Indicators of exertion metabolism in parturients] Brodziński W. **Wiad Lek** 1985 Feb 15;38(4):277-82 (Eng. Abstr.) **(Pol)**

[Influence of culture conditions (oxygenation) on growth and morphology of BCG-Brazil and BCG-Glaxo vaccines] Feitosa JG, et al. **An Microbiol (Rio De J)** 1982;27:69-79 (Eng. Abstr.) **(Por)**

[Use of electrophysiological methods for determining the reactivity and reserve possibilities of the fetus] Abramchenko VV, et al. **Akush Ginekol (Mosk)** 1984 Oct;(10):38-40 (Eng. Abstr.) **(Rus)**

[Clinical significance of oxygen consumption in the immediate postoperative period in cardiosurgery patients during intra-aortic balloon counterpulsation in the evaluation of the results of treatment of acute cardiac insufficiency] Mikhaĭlov IuM, et al. **Anesteziol Reanimatol** 1984 Jul-Aug;(4):60-2 (Eng. Abstr.) **(Rus)**

[External respiration, oxygen consumption, blood gases and acid-base equilibrium as indices of the antihypoxic effect of balanced general anesthesia in children] Prutovykh NN, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):60-3 (Eng. Abstr.) **(Rus)**

[Hemodynamics and oxygen transport during hemosorption in patients with destructive pancreatitis and diffuse peritonitis] Riabov GA, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):3-7 (Eng. Abstr.) **(Rus)**

[Measurement of the rate of O2 consumption by peritoneal macrophages using electron paramagnetic resonance] Iakh'ev AV, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):443-5 (Eng. Abstr.) **(Rus)**

[Effect of posttraumatic fluctuations in the oxygen tension value in the arterial blood on the intensity of lipid peroxidation in the lungs, liver and myocardium of rats with a lung contusion] Kulitskaia VI, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):276-8 (Eng. Abstr.) **(Rus)**

[Comparison of the oxygen absorption processes during phagocytosis by polymorphonuclear leukocytes from conventional and specific-pathogen-free C57BL/6 strain mice] Larina LL, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):53-5 (Eng. Abstr.) **(Rus)**

[Enzymes utilizing hydroperoxides and O ./2 in the myocardium of rats of different ages] Lemeshko VV, et al. **Biull Eksp Biol Med** 1985 May;99(5):563-5 (Eng. Abstr.) **(Rus)**

[Changes in the efficiency of oxidative phosphorylation, respiratory rate and Ca2+ ion transport in the liver mitochondria of rats and susliks with various levels of thermogenesis] Brustovetskiĭ NN, et al. **Dokl Akad Nauk SSSR** 1984;276(5):1260-3 **(Rus)**

[Relationship between the functional state of the cerebral cortex and changes in PO2 level during electric stimulation] Siniaia MS, et al. **Dokl Akad Nauk SSSR** 1985 May-Jun;282(1):239-42 **(Rus)**

[Functional compartmentalization of oxidative and glycolytic metabolism in frog skin] Skul'skiĭ IA, et al. **Dokl Akad Nauk SSSR** 1985;280(5):1274-6 **(Rus)**

[Metabolic factors determining the selective enhancement of the effect of ionizing radiation on tumors] Iarmonenko SP, et al. **Eksp Onkol** 1984;6(2):3-8 (48 ref.) (Eng. Abstr.) **(Rus)**

[Respiration, hemo- and cardiodynamics and body oxygen regimens in athletes in the mountains] Filippov MM, et al. **Fiziol Cheloveka** 1984 Jul-Aug;10(4):617-22 **(Rus)**

[Oxygen consumption dynamics in the recovery period after short-term exercises at threshold capacity] Iaruzhnyĭ NV. **Fiziol Cheloveka** 1984 Nov-Dec;10(6):1042-4 **(Rus)**

[Measurement of oxygen consumption and blood flow in the skin by the method of transcutaneous determination of oxygen tension] Kobuliia BG, et al. **Fiziol Zh** 1985 May-Jun;31(3):370-4 **(Rus)**

[Contractile function of the papillary muscles in rats under conditions of varied oxygenation] Mudraia IS. **Fiziol Zh** 1985 Mar-Apr;31(2):158-64 (Eng. Abstr.) **(Rus)**

[Oxygen tension dynamics in the fetal brain with altered concentrations in inspired air] Raguzin AV. **Fiziol Zh** 1984 Nov-Dec;30(6):743-6 **(Rus)**

[Measurement of oxygen consumption and external respiratory parameters in seals (Phoca vitulina) swimming freely in a pool] Baranov EA, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):389-92 **(Rus)**

[Information value of different criteria of physical development] Apanasenko GL. **Gig Sanit** 1984 Oct;(10):58-9 **(Rus)**

[The oxygen supply in patients with neurocirculatory asthenia during exercise] Makolkin VI, et al. **Kardiologiia** 1984 Nov;24(11):71-6 (Eng. Abstr.) **(Rus)**

[Changes in oxygen consumption during physical training of patients with post-infarction cardiosclerosis] Vasil'ev AP. **Klin Med (Mosk)** 1984 Oct;62(10):41-4 **(Rus)**

[Oxygen consumption as an indicator of the adaptation of animals to altitude hypoxia] Malkin VB, et al. **Kosm Biol Aviakosm Med** 1984 Sep-Oct;18(5):47-50 (Eng. Abstr.) **(Rus)**

[Effect of short-term thermal loads on tissue respiration of skeletal muscles and internal organs of chickens during hypokinesia] Talipov MS, et al. **Kosm Biol Aviakosm Med** 1985 May-Jun;19(3):60-4 (Eng. Abstr.) **(Rus)**

[Oxygen tension, blood flow and nitrogen metabolism of the liver in chronic toxic hepatitis and hyperbaric oxygenation] Laskarzhevskaia MA, et al. **Patol Fiziol Eksp Ter** 1985 Mar-Apr;(2):58-61 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on oxygen tension, cerebral blood flow and respiratory enzyme activity in the cerebral hemispheres and brain stem during ischemia] Novikova LA, et al. **Patol Fiziol Eksp Ter** 1984 Nov-Dec;(6):69-72 (Eng. Abstr.) **(Rus)**

[Dyslipoproteinemia, oxygen-transport system of blood and oxygen balance in the tissues at early stages of diabetes mellitus] Galeniuk VA, et al. **Probl Endokrinol (Mosk)** 1985 Jan-Feb;31(1):25-9 (Eng. Abstr.) **(Rus)**

[Blood supply and oxygen regimen of the mucoperiosteal flap before and after an operation for segmental osteotomy of the frontal section of the maxilla] Bezrukov VM, et al. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):44-6 (Eng. Abstr.) **(Rus)**

[Characteristics of the blood supply and oxygenation of the skin in maxillofacial phlegmon] Sudorgin SS. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):27-9 (Eng. Abstr.) **(Rus)**

[The state of microcirculation, hemoperfusion and tissue oxygen consumption in patients with ischemic heart disease and angina pectoris] Achilov AA, et al. **Ter Arkh** 1984;56(8):39-43 (Eng. Abstr.) **(Rus)**

[Changes in the interrelation between oxygen consumption and blood circulation in patients with stage II hypertension] Laane Ela, et al. **Ter Arkh** 1984;56(12):55-7 (Eng. Abstr.) **(Rus)**

[Peripheral oxygenation and perfusion in patients with chronic ischemic heart disease complicated by left-ventricular failure] Tiukalova LI, et al. **Ter Arkh** 1984;56(12):25-7 (Eng. Abstr.) **(Rus)**

[Action of high hydrostatic pressure on the fluorescence of respiratory metabolic components and on the staining capacity of the skeletal muscles in the frog] Troshina VP, et al. **Tsitologiia** 1985 Apr;27(4):427-32 (Eng. Abstr.) **(Rus)**

[Characteristics of oxidative metabolism of the gastrointestinal tract during adaptation of the rat to high temperatures] Musaev KhN, et al. **Vopr Med Khim** 1984;30(6):28-33 (Eng. Abstr.) **(Rus)**

[Possible apical respiration in the olfactory epithelium of the frog Rana temporaria] Gladysheva OS, et al. **Zh Evol Biokhim Fiziol** 1985 Mar-Apr;21(2):201-3 (Eng. Abstr.) **(Rus)**

[Quantitative characteristics of cerebral blood flow and gas exchange in cerebral contusions] Panuntsev VS, et al. **Zh Vopr Neirokhir** 1985 Mar-Apr;(2):13-20 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Changes in oxygen consumption of the isolated heart muscle from animals treated with cardio-active drugs. Liu GD, et al. **Acta Acad Med Wuhan** 1985;5(1):20-2

Influence of two different anaesthetic agents on the newborn and the correlation between foetal oxygenation and induction-delivery time in elective caesarean section. Bernstein K, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):157-60

Effects of prenalterol and volume loading with dextran on haemodynamics and oxygen consumption in dogs during high epidural block with special reference to the splanchnic region. Greitz T, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):37-44

Effects of ephedrine on haemodynamics and oxygen consumption in the dog during high epidural block with special reference to the splanchnic region. Greitz T, et al. **Acta Anaesthesiol Scand** 1984 Oct;28(5):557-62

Surgical stimulation during high-dose fentanyl anaesthesia: effects of dehydrobenzperidol on the haemodynamics and myocardial oxygenation. Heikkilä H, et al. **Acta Anaesthesiol Scand** 1985 Apr;29(3):259-64

A new method for clinical assessment of the negative inotropic action of anaesthetics--with special reference to isoflurane and its effect on myocardial oxygenation. Reiz S, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):422-5

Trypanosoma (Schizotrypanum) cruzi: terminal oxidases in exponential and stationary growth phase emipastigotes cultured in vitro. de Maio A, et al. **Acta Cient Venez** 1984;35(2):136-41

Corneal burns: a quantitative comparison of acid and base. Flynn WJ, et al. **Acta Ophthalmol (Copenh)** 1984 Aug;62(4):542-8

Graded effects of oxygen and respiratory inhibitors on cell metabolism and spontaneous contractions in smooth muscle of the rat portal vein. Lövgren B, et al. **Acta Physiol Scand** 1985 Apr;123(4):485-95

Endurance training augments the stimulatory effect of epinephrine on oxygen consumption in perfused skeletal muscle. Richter EA, et al. **Acta Physiol Scand** 1984 Apr;120(4):613-5

Dopamine effects on the oxygenation of human skeletal muscle. Fleckenstein W, et al. **Adv Exp Med Biol** 1984;180:609-22

Myocardial reoxygenation damage. Can it be circumvented? Chappell SP, et al. **Adv Myocardiol** 1985;6:585-92

Oxygen radicals and tissue damage in heart hypertrophy. Guarnieri C, et al. **Adv Myocardiol** 1985;5:191-9

Studies on experimental coronary insufficiency. Effect of L-carnitine on myocardial ischemia produced by sympathetic-nerve stimulation with high plasma fatty acids. Iimura O, et al. **Adv Myocardiol** 1985;6:437-49

Mechanical response of rabbit myocardium and coronary arteries to leukotriene D4. Failure to demonstrate a role in the pathophysiology of hypoxia. Tones MA, et al. **Adv Myocardiol** 1985;6:395-403

Effects of three histaminergic compounds on function and oxygen consumption of isolated guinea-pig hearts. Permanetter B, et al. **Agents Actions** 1985 Apr;16(3-4):215-8

Mitochondrial respiration after cardiac perfusion with ethanol or acetaldehyde. Segel LD. **Alcoholism (NY)** 1984 Nov-Dec;8(6):560-4

The harmful effects of ethanol on ion transport and cellular respiration. Blachley JD, et al. **Am J Med Sci** 1985 Jan;289(1):22-6 (33 ref.)

Interaction of CO2 and ammonia on cerebral blood flow and O2 consumption in dogs. Barzilay Z, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):H500-7

Compensatory mechanisms in response to an elevated hepatic oxygen consumption in chronically ethanol-fed rats. Bredfeldt JE, et al. **Am J Physiol** 1985 May;248(5 Pt 1):G507-11

Nicotine increases heart adenosine release, oxygen consumption, and contractility. Fenton RA, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H463-9

Reduction in cerebral arteriolar oxygen consumption by arachidonate. Levasseur JE, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):H534-9

Selective vasodilators redistribute intestinal blood flow and depress oxygen uptake. Shepherd AP, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):G377-84

The effects of toxic concentrations of theophylline on oxygen consumption, ventricular work, acid base balance, and plasma catecholamine levels in the dog. Curry SC, et al. **Ann Emerg Med** 1985 Jun;14(6):554-61

Relative bioactivity of alpha- and gamma-tocopherol calculated from respiration parameters in rat liver mitochondria. Schäfer H, et al. **Ann Nutr Metab** 1984;28(5):297-304

Perioperative beta blockade with propranolol: reduction in myocardial oxygen demands and incidence of atrial and ventricular arrhythmias. Hammon JW Jr, et al. **Ann Thorac Surg** 1984 Oct;38(4):363-7

Effect of tetracyclines and UV light on oxygen consumption by human leukocytes. Glette J, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):489-92

Antimycin A- and hydroxamate-insensitive respiration in yeasts. Lodi T, et al. **Antonie Van Leeuwenhoek** 1985;51(1):57-64

The inhibition of plant mitochondrial respiration by the synthetic analog of ubiquinone, 5-n-undecyl-6-hydroxy-4,7-dioxobenzothiazole (UHDBT). Cook ND, et al. **Arch Biochem Biophys** 1985 Jul;240(1):9-14

Oxygen consumption during septic shock. Effects of inotropic drugs. Dhainaut JF, et al. **Arch Int Physiol Biochim** 1984 Nov;92(4):S57-64 (9 ref.)

Glutaraldehyde inhibits the active transport of sodium and the oxygen consumption, while increasing the water diffusional permeability in frog skin. Mărgineanu DG, et al. **Arch Int Physiol Biochim** 1984 Nov;92(4):305-12

Effect of ambient temperature on the hypometabolic and hypothermic effects of sulfolane in rats. Gordon CJ, et al. **Arch Toxicol** 1984 Dec;56(2):123-7

Effects of inorganic lead in vitro on ion exchanges and respiratory metabolism of rat kidney cortex. van Rossum GD, et al. **Arch Toxicol** 1985 Jan;56(3):175-81

The effect of 7-(2'-oxopropyl)-1,3-di-n-butyl-xanthine (BRL 30892) on ischaemic skeletal muscle pO2, pH and contractility in cats and rats. Angersbach D, et al. **Arzneimittelforsch** 1984;34(10):1274-8

Characterization of vasodilators by comparison of their effects on blood pressure, counterregulation and myocardial oxygen demand in conscious normotensive dogs. Bacher S, et al. **Arzneimittelforsch** 1985;35(1A):288-91

Beneficial effect of coenzyme Q on myocardial slow action potentials in hearts subjected to decreased perfusion pressure-hypoxia-substrate-free perfusion. Azuma J, et al. **Basic Res Cardiol** 1985 Mar-Apr;80(2):147-55

Pyridine and imidazole reversibly inhibit the respiratory burst in porcine and human neutrophils: evidence for the involvement of cytochrome b558 in the reaction. Iizuka T, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):621-6

Low levels of mercury inhibit the respiratory burst in human polymorphonuclear leukocytes. Malamud D, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1145-51

Effect of anthracyclines and mitoxantrone on oxygen uptake and ATP intracellular concentration in rat heart slices. Neri B, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):954-60

Control of respiration in sonicated cytochrome oxidase proteoliposomes by gated and ungated ionophores. Shaughnessy S, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):1025-30

Hepatic antioxidant-sensitive respiration. Effect of ethanol, iron and mitochondrial uncoupling. Videla LA. **Biochem J** 1984 Nov 1;223(3):885-91

Changes in oxygen consumption induced by t-butyl hydroperoxide in perfused rat liver. Effect of free-radical scavengers. Videla LA, et al. **Biochem J** 1984 Nov 1;223(3):879-83

Enhanced oxygen consumption in adrenal medulla on stimulation with acetylcholine. Bevington A, et al. **Biochem Pharmacol** 1985 Jan 15;34(2):211-6

Effects of endosulfan and its metabolites on rat liver mitochondrial respiration and enzyme activities in vitro. Dubey RK, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3405-10

Protonophoric properties of fluorinated arylalkylsulfonamides. Observations with perfluidone. Olorunsogo OO, et al. **Biochem Pharmacol** 1985 Aug 15;34(16):2945-52

An investigation on the effect of oligomycin on state-4 respiration in isolated rat-liver mitochondria. Masini A, et al. **Biochim Biophys Acta** 1984 Oct 26;767(1):130-7

Beta 1-selective and non-selective beta-adrenoceptor blockade, anaerobic threshold and respiratory gas exchange during exercise. McLeod AA, et al. **Br J Clin Pharmacol** 1985 Jan;19(1):13-20

Comparative study of the effects of biphenyl and Kanechlor-400 on the respiratory and energy linked activities of rat liver mitochondria. Nishihara Y. **Br J Ind Med** 1985 Feb;42(2):128-32

Does exercise alter anaerobic threshold in coronary artery disease during beta blockade? Koyal SN, et al. **Br J Sports Med** 1985 Jun;19(2):107-11

The effects of L-DOPA on regional cerebral blood flow and oxygen metabolism in patients with Parkinson's disease. Leenders KL, et al. **Brain** 1985 Mar;108 (Pt 1):171-91

Effect of copper sulphate on respiration, electron transport, and redox potential in the digestive gland of the snail host, Lymnaea luteola. Babu GR, et al. **Bull Environ Contam Toxicol** 1985 Mar;34(3):396-402

Oxygen consumption by the crayfish Orconectes propinquus (Girard) exposed to aquashade. Spencer DF. **Bull Environ Contam Toxicol** 1984 Sep;33(3):373-8

Effect of methylene chloride on respiration and electron transport system (ETS) activity in freshwater sediment. Trevors JT. **Bull Environ Contam Toxicol** 1985 Feb;34(2):239-45

Nitrite exposure and respiration rates in fathead minnows. Watenpaugh DE, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):106-11

Effects of succinylacetone on growth and respiration of L1210 leukemia cells. Weinbach EC, et al. **Cancer Lett** 1985 Apr;26(3):253-9

The effect of various aldehydes on the respiration of rat liver and hepatoma AH-130 cells. Canuto RA, et al. **Cell Biochem Funct** 1985 Jan;3(1):3-8

Mitochondrial bioenergetics during exposure of rats to perfluidone, a fluorinated arylalkylsulphonamide. Olorunsogo OO, et al. **Chem Biol Interact** 1984 Nov;52(1):67-78

Effects of milrinone on coronary hemodynamics and myocardial energetics in patients with congestive heart failure. Monrad ES, et al. **Circulation** 1985 May;71(5):972-9

Protection of hypoxic myocardium by intracoronary administration of verapamil in open-chest dogs. Mori H, et al. **Circulation** 1984 Oct;70(4):742-7

Acute and chronic effects of ACTH on thermogenesis and brown adipose tissue in the rat. Rothwell NJ, et al. **Comp Biochem Physiol [A]** 1985;81(1):99–102

Copper-stimulated respiration in the unfertilized egg of the Eurasian perch, Perca fluviatilis (L). Akberali HB, et al. **Comp Biochem Physiol [C]** 1984;78(2):349–52

Effects of paraquat administration on longevity, oxygen consumption, lipid peroxidation, superoxide dismutase, catalase, glutathione reductase, inorganic peroxides and glutathione in the adult housefly. Allen RG, et al. **Comp Biochem Physiol [C]** 1984;78(2):283–8

Respiration of mitochondria from the gonads of the sea urchin, Strongylocentrotus droebachiensis: the effects of petroleum fractions on oxygen consumption. Davis PJ, et al. **Comp Biochem Physiol [C]** 1985;80(1):155–60

Changes in cardiac activity, oxygen uptake and perfusion indices in Carcinus maenas (L.) exposed to crude oil and dispersant. Depledge MH. **Comp Biochem Physiol [C]** 1984; 78(2):461–6

Disruption of circulatory and respiratory activity in shore crabs (Carcinus maenas (L)) exposed to heavy metal pollution. Depledge MH. **Comp Biochem Physiol [C]** 1984; 78(2):445–59

Oxygen consumption in fathead minnows (Pimephales promelas) following acute exposure to water-borne selenium. Watenpaugh DE, et al. **Comp Biochem Physiol [C]** 1985;80(2):253–6

Naloxone improves myocardial perfusion in hypovolemic shock. Tuggle DW, et al. **Curr Surg** 1985 May–Jun; 42(3):195–8

Glucose induced inhibition of radioactive nucleotide efflux from mouse pancreatic islets is dissociated from an increase in islet oxygen uptake. Welsh M, et al. **Diabete Metab** 1984 Oct;10(4):230–4

Alloxan effects on mitochondria: study of oxygen consumption, fluxes of Mg2+, Ca2+, K+ and adenine nucleotides, membrane potential and volume change in vitro. Boquist L. **Diabetologia** 1984 Sep;27(3):379–86

Oxidative capacity and ethanol. An in vivo study on hepatocytes and some brain regions of the female rat. Parafita MA, et al. **Drug Alcohol Depend** 1985 May; 15(1–2):73–80

Methyl parathion (O–O–dimethyl O–4–nitrophenyl thiophosphate) effects on whole-body and tissue respiration in the teleost, Tilapia mossambica (Peters). Prasada Roa KS, et al. **Ecotoxicol Environ Safety** 1985 Jun;9(3):339–45

Evaluation of carbamate toxicity: acute toxicity in a culture of Paramecium multimicronucleatum upon exposure to aldicarb, carbaryl, and mexacarbate as measured by Warburg respirometry and acute plate assay. Edmiston CE Jr, et al. **Environ Res** 1985 Apr;36(2):338–50

Oxygen consumption rates of grunion (Leuresthes tenuis) embryos exposed to the petroleum hydrocarbon, benzo[a]pyrene. Hose JE, et al. **Environ Res** 1984 Dec; 35(2):413–20

The effect of dopamine on muscle PO2 in healthy volunteers and intensive care patients. Kersting T, et al. **Eur J Anaesthesiol** 1985 Jun;2(2):143–53

Cardiovascular, metabolic and hormonal changes during isoflurane N2O anaesthesia. Rolly G, et al. **Eur J Anaesthesiol** 1984 Dec;1(4):327–34

Effect of adrenaline on myocardial oxygen consumption during selective and non-selective beta-adrenoceptor blockade comparison of atenolol and pindolol. Ihlen H, et al. **Eur J Clin Pharmacol** 1984;27(1):29–34

The effect of graded doses of norepinephrine on the O2 supply/consumption balance in ischemic and nonischemic rabbit myocardium. Grover GJ, et al. **Eur J Pharmacol** 1985 Jan 15;108(1):9–18

Improvement in regional myocardial O2 supply and O2 consumption by nitroglycerin during ischemia. Kedem J, et al. **Eur J Pharmacol** 1985 May 28;112(1):47–55

The ouabain-sensitive component of synaptosomal respiration. Kálmán M. **Exp Brain Res** 1984;56(3):539–42

Disruption of circadian rhythm of tissue respiration in Channa striatus by Metasystox. Natarajan GM. **Experientia** 1985 May 15;41(5):612–4

Effect of steviol and its structural analogues on glucose production and oxygen uptake in rat renal tubules. Yamamoto NS, et al. **Experientia** 1985 Jan 15;41(1):55–7

Stimulation of the respiratory and phosphorylating activities in rat brain mitochondria by idebenone (CV-2619), a new agent improving cerebral metabolism. Sugiyama Y, et al. **FEBS Lett** 1985 May 6;184(1):48–51

Chemically induced antioxidant-sensitive respiration. Relation to glutathione content and lipid peroxidation in the perfused rat liver. Videla LA. **FEBS Lett** 1984 Dec 3;178(1):119–22

The interaction of carbaryl with the metabolism of isolated hepatocytes: I. Effect on respiration and glycolysis. Parafita MA, et al. **Gen Pharmacol** 1984;15(4):327–31

Low doses of T3 induce a rapid metabolic response in young lambs. Lynch MA, et al. **Horm Metab Res** 1985 Feb; 17(2):63–6

Administration of low doses of TSH result in a rapid increase in the metabolic rate of young lambs. Lynch MA, et al. **Horm Metab Res** 1985 Mar;17(3):136–40

Rat atrial natriuretic peptides inhibit oxygen consumption by rat kidney. Kohashi N, et al. **Hypertension** 1985 Jul–Aug;7(4):491–8

Effect of guanosine nucleotides on the respiratory burst oxidase from human neutrophils. Kaufman MR, et al. **Inflammation** 1983 Sep;7(3):233–40

Magnitude of ouabain-sensitive respiration of lamb hepatocytes (Ovis aries). McBride BW, et al. **Int J Biochem** 1985;17(1):43–9

Phenethanolamine derivatives with calorigenic and antidiabetic qualities. Meier MK, et al. **Int J Obes** 1984; 8 Suppl 1:215–25

Oxygen uptake and carbon dioxide elimination after acetazolamide in the critically ill. Berthelsen P, et al. **Intensive Care Med** 1985;11(1):26–9

The acute effects of prostaglandin E1 on the pulmonary circulation and oxygen delivery in patients with the adult respiratory distress syndrome. Tokioka H, et al. **Intensive Care Med** 1985;11(2):61–4

Specific inhibition of the testicular mitochondrial respiratory chain in vitro by gossypol. Kim I, et al. **J Androl** 1984 Nov–Dec;5(6):424–30

Comparison of canine cardiovascular response to inhaled and intraperitoneally infused CO. Gutierrez G, et al. **J Appl Physiol** 1985 Feb;58(2):558–63

Effects of K+ and Na+ on the proton motive force of respiring Escherichia coli at alkaline pH. Kashket ER. **J Bacteriol** 1985 Aug;163(2):423–9

3–Mercaptopropionic acid, a potent inhibitor of fatty acid oxidation in rat heart mitochondria. Sabbagh E, et al. **J Biol Chem** 1985 Jun 25;260(12):7337–42

Effects of nicardipine, a dihydropyridine calcium antagonist, on regional myocardial blood flow, myocardial oxygen tension, and electrical abnormalities during acute coronary artery occlusion in dogs. Hashimoto H, et al. **J Cardiovasc Pharmacol** 1985 Jul–Aug;7(4):613–21

Nitroglycerin improves the distribution of regional oxygenation in partially ischemic canine myocardium. Kedem J, et al. **J Cardiovasc Pharmacol** 1985 Jul–Aug; 7(4):760–6

The effects of epinephrine, norepinephrine, and carbachol on oxygen consumption in rat sublingual gland slices. Terzić M, et al. **J Dent Res** 1984 Dec;63(12):1360–1

7–substituted–4–hydroxyquinoline–3–carboxylic acids as inhibitors of dehydrogenase enzymes and of the respiration of Ehrlich ascites tumor cells: multivariate analysis and quantitative structure-activity relationship for polar substituents. Dove S, et al. **J Med Chem** 1985 Apr; 28(4):447–51

The effect of cholinergic agonists on coronary flow rate and oxygen consumption in isolated perfused rat heart. Nuutinen EM, et al. **J Mol Cell Cardiol** 1985 Jan; 17(1):31–42

Functional role of the potassium-induced stimulation of oxygen uptake in brain slices studied with cesium as a probe. Hertz L, et al. **J Neurosci Res** 1985;14(1):83–93

Effects of grisorixin on the distribution of thallium-201 and on the oxidative metabolism in cultured myocardial cells. Maublant JC, et al. **J Nucl Med** 1985 Jun;26(6):626–9

Oxygen consumption in muscle stimulated by noradrenaline at various rates of oxygen delivery. Kolář F, et al. **J Physiol (Paris)** 1984;79(5):357–60

Myocardial oxygen consumption with isoproterenol versus calcium chloride in hypocalcemic ventricular failure in dogs. Bodenhamer RM, et al. **J Surg Res** 1985 Aug; 39(2):114–27

Glucose and insulin infusion directly after cardiac surgery: effects on systemic glucose uptake, catecholamine excretion, O2 consumption, and CO2 production. Nilsson F, et al. **JPEN** 1985 Mar–Apr;9(2):159–64

Effects of Ca2+ and calmodulin antagonists on the oxygen uptake induced by acetylcholine or substance P in rat submandibular gland slices. Komabayashi T, et al. **Jpn J Pharmacol** 1984 Dec;36(4):441–7

Study on the contraction and oxygen consumption induced by high K, Na-deficient solution in the urinary bladder and gall bladder of guinea-pig. Yaguchi S, et al. **Jpn J Pharmacol** 1984 Nov;36(3):407–12

The effects of gonadotropins on metabolism of isolated rat granulosa cells. Foreman D, et al. **Life Sci** 1984 Sep 17; 35(12):1273–9

Effects of bombesin on body temperature and oxygen consumption in food-deprived rats. Babcock AM, et al. **Neuropharmacology** 1984 Nov;23(11):1357–8

Chloramphenicol toxicity: hemodynamic and oxygen utilization effects. Wilkinson JD, et al. **Pediatr Infect Dis** 1985 Jan–Feb;4(1):69–72

Effects of histamine antagonists on noradrenaline-stimulated blood flow and oxygen consumption of brown adipose tissue in the rat. Rothwell NJ, et al. **Pflugers Arch** 1984 Nov;402(3):325–9

Continuous infusion of naloxone: effects on behavior and oxygen consumption. Malin DH, et al. **Pharmacol Biochem Behav** 1985 May;22(5):791–5

Screening for drug photosensitization activity by measuring the variations in oxygen consumption of Bacillus subtilis. Beani JC, et al. **Photodermatol** 1985 Apr;2(2):101–6

Zinc reduces turkey sperm oxygen uptake in vitro. Bakst MR. **Poult Sci** 1985 Mar;64(3):564–6

Interrelation between oxygen consumption and Na–K–ATPase activity in rat renal proximal tubule suspension. Gstraunthaler G, et al. **Renal Physiol** 1985; 8(1):38–44

The inhibition of mitochondrial respiration by indomethacin, a non-steroid anti-inflammatory agent possessing inhibitory effect on prostaglandin biosynthesis. Kawai K, et al. **Res Commun Chem Pathol Pharmacol** 1985 May; 48(2):267–74

The effect of clidanac, a potent anti-inflammatory drug, on mitochondrial respiration: a consideration on the uncoupling activity of optical enantiomers. Kawai K, et al. **Res Commun Chem Pathol Pharmacol** 1984 Sep; 45(3):399–406

Effects of increasing metabolism by 2,4–dinitrophenol on respiration and pulmonary gas exchange in the duck. Geiser J, et al. **Respir Physiol** 1984 Jul;57(1):1–14

Effect of trazodone on oxidative metabolism of rat brain in vitro. Velasco A, et al. **Rev Esp Fisiol** 1985 Jun;41(2):201–5

Retinoids activate superoxide production by polymorphonuclear leucocytes. Hemilä H, et al. **Scand J Immunol** 1985 Mar;21(3):227–34

Sensitivity of oligomycin-inhibited respiration of isolated rat liver mitochondria to perfluidone, a fluorinated arylalkylsulfonamide. Olorunsogo OO, et al. **Toxicology** 1985 Jun 14;35(3):231–40

Effect of synthetic antioxidants on hydrogen peroxide formation, oxyferro cytochrome P–450 concentration and oxygen consumption in liver microsomes. Rössing D, et al. **Toxicology** 1985 Jan;34(1):67–77

Rapid thyroid hormone action in vitro in the absence of new protein synthesis. Sterling K, et al. **Trans Assoc Am Physicians** 1984;97:332–6

Biochemical oxygen activation as the basis for the physiological action of tetrachlorodecaoxide (TCDO). Youngman RJ, et al. **Z Naturforsch [C]** 1985 May–Jun; 40(5–6):409–14

[Effects of antischistosomal drugs on the respiration and glycolysis of Schistosoma japonicum] Huang ZY, et al. **Yao Hsueh Hsueh Pao** 1984 Sep;19(9):651–5 (Eng. Abstr.) **(Chi)**

[Effect of m–nifedipine, a calcium antagonist, on cardiac performance and oxygen consumption in anesthetized animal: a comparison with nifedipine] Rao MR, et al. **Yao Hsueh Hsueh Pao** 1984 Feb;19(2):101–7 (Eng. Abstr.) **(Chi)**

[Changes in contractility parameters, coronary flow and myocardial oxygen consumption following intravenous diltiazem in patients with coronary heart disease] Oeff M, et al. **Z Kardiol** 1984 Nov;73(11):717–23 (Eng. Abstr.) **(Ger)**

[Effects of the new cardiotonic agent TA–064: serial computer-assisted analyses of pressure-volume relations and online myocardial 02 consumption] Thormann J, et al. **Z Kardiol** 1984 Dec;73(12):772–85 (Eng. Abstr.) **(Ger)**

[Effects of anti-inflammatory drugs on oxygen metabolism associated with phagocytosis by guinea pig polymorphonuclear leukocytes] Hayakawa T, et al. **Eisei Shikenjo Hokoku** 1984;(102):40–5 (Eng. Abstr.) **(Jpn)**

[Glucose effect in Candida albicans] Niimi M. **Fukuoka Igaku Zasshi** 1984 Jun;75(6):356–65 (Eng. Abstr.) **(Jpn)**

[Effects of amrinone on hemodynamics, oxygen consumption and plasma catecholamine levels in anesthetized dogs] Kosugi I, et al. **Masui** 1985 Apr;34(4):429–33 (Eng. Abstr.) **(Jpn)**

[Effects of hypotensive anesthesia by prostaglandin E1 on cerebral blood flow and metabolism] Matsumae T, et al. **Masui** 1984 Aug;33(8):832–6 (Eng. Abstr.) **(Jpn)**

[Systemic hemodynamics and oxygen metabolism after hepatectomy––effect of hyperdynamic systemic circulatory support on postoperative prognosis] Nonami T. **Nippon Geka Gakkai Zasshi** 1985 Feb;86(2):148–59 (Eng. Abstr.) **(Jpn)**

[Agents to improve cerebrovascular circulation and cerebral metabolism––cellryl] Hasegawa T. **Nippon Rinsho** 1985 Feb;43(2):392–6 **(Jpn)**

[Effect of ethanol on in vivo hepatic tissue oxygenation and hepatic hemodynamics in rats treated chronically with carbon tetrachloride] Inoue A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Nov;81(11):2780–5 (Eng. Abstr.) **(Jpn)**

[Protective effect of trifluoperazine on the isolated hypoxic rabbit heart] Karwatowska-Kryńska E, et al. **Kardiol Pol** 1985;28(1):81–92 (Eng. Abstr.) **(Pol)**

[Shifts in tissue respiration of the lung and liver in rabbits administered penicillin and streptomycin] Vaĭchekonis VI. **Antibiotiki** 1984 Sep;29(9):662–6 (Eng. Abstr.) **(Rus)**

[Effect of palmitate on energy coupling in lymphocyte mitochondria] Bakeeva LE, et al. **Biokhimiia** 1985 May; 50(5):774–81 (Eng. Abstr.) **(Rus)**

[Effect of sodium oxybutyrate on metabolic indices in ischemic hypoxia of muscle tissue] Lopatin AF, et al. **Farmakol Toksikol** 1984 Sep–Oct;47(5):53–5 (Eng. Abstr.) **(Rus)**

[Oxygen balance and the effect of antihypoxic preparations in fluorine poisoning] Shugaev VA. **Farmakol Toksikol** 1984 Jul–Aug;47(4):94–7 (Eng. Abstr.) **(Rus)**

[Effect of nonsteroidal anti-inflammatory agents on the myocardial blood supply and oxygen regimen] Stepaniuk GI, et al. **Farmakol Toksikol** 1985 Mar–Apr;48(2):54–7 (Eng. Abstr.) **(Rus)**

[Effect and aftereffect of adrenaline on the respiration of rat liver mitochondria] Babskiĭ AM, et al. **Fiziol Zh** 1985 May–Jun;31(3):301–6 (Eng. Abstr.) **(Rus)**

[Effect of hyperoxic helium–oxygen gaseous mixtures on oxygen consumption by albino rat tissues] Nazarenko AI, et al. **Fiziol Zh** 1985 May–Jun;31(3):346–9 **(Rus)**

[Effect of cell respiration inhibitors on the formation of structural mutations in human lymphocytes irradiated at different stages of the mitotic cycle] Luchnik NV, et al. **Genetika (Moskva)** 1985 Feb;21(2):252-61 (Eng. Abstr.) **(Rus)**

[Effect of metronidazole on the intensity of cell respiration] Rozhdestvenskiĭ LM, et al. **Med Radiol (Mosk)** 1984 Dec; 29(12):38-43 (Eng. Abstr.) **(Rus)**

[Radiomodifying effect of glucose load on oxygenated and hypoxic tumor cells] Shmakova NL, et al. **Med Radiol (Mosk)** 1984 Dec;29(12):17-20 (Eng. Abstr.) **(Rus)**

[Effect of dibunol on changes in oxygen tension in the healthy cornea] Rykun VS, et al. **Oftalmol Zh** 1985;(1):48-50 (Eng. Abstr.) **(Rus)**

[Effect of PHA on lymphocyte respiratory activity in mice] Tsutsaeva AA, et al. **Tsitol Genet** 1985 Jan-Feb;19(1):9-13 (Eng. Abstr.) **(Rus)**

[Effect of alcohol on the functional characteristics of the internal organs] Allik TA, et al. **Vopr Med Khim** 1985 May-Jun;31(3):116-20 (Eng. Abstr.) **(Rus)**

[Effect of pro- and antioxidant food factors on macrophage oxidative metabolism] Sharmanov AT. **Vopr Pitan** 1985 May-Jun;(3):52-5 (Eng. Abstr.) **(Rus)**

[Effect of theophylline and theobromine on cell respiration and calcium transport in isolated rat liver mitochondria] de la Cruz MJ, et al. **Rev Esp Fisiol** 1984 Sep;40(3):289-96 (Eng. Abstr.) **(Spa)**

[Oxygen consumption in nerve centers. Effect of cyproheptadine hydrochloride on normal and alcohol-treated rats] Menéndez-Abraham E, et al. **Rev Esp Fisiol** 1985 Mar;41(1):37-42 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Direct measurement of reoxygenation in malignant mammary tumors after a single large dose of irradiation. Vaupel P, et al. **Adv Exp Med Biol** 1984;180:773-82

In situ radiation response and oxygen enhancement ratio of KHT sarcoma cells in various phases of the cell cycle. Siemann DW, et al. **Br J Radiol** 1984 Sep;57(682):823-7

[Oxygen status and angioarchitectonics of different types of tumors and their changes after radiotherapy] Amosov IS, et al. **Radiobiologiia** 1984 Sep-Oct;24(5):630-5 (Eng. Abstr.) **(Rus)**

OXYGEN DEFICIENCY see **ANOXIA**

OXYGEN INHALATION THERAPY

Oxygen therapy for pneumatosis coli. Symptomatic and radiologic remission of colonic gas cysts after breathing high-concentration oxygen. Elberg JJ. **Acta Chir Scand** 1985;151(4):399-400

A shift from central and mixed sleep apnea to obstructive sleep apnea resulting from low-flow oxygen. Gold AR, et al. **Am Rev Respir Dis** 1985 Aug;132(2):220-3

Long-term oxygen therapy can reverse the progression of pulmonary hypertension in patients with chronic obstructive pulmonary disease. Weitzenblum E, et al. **Am Rev Respir Dis** 1985 Apr;131(4):493-8

Oxygen therapy and minitracheostomy [letter] Corke CF, et al. **Anaesthesia** 1985 Aug;40(8):820

Treatment of severe bronchial asthma with a low-pressure chamber and 100% O2. Lenggenhager K. **Anesth Analg** 1985 May;64(5):551-3

Effect of 26% oxygen breathing on ventilation and perfusion distribution in patients with cold. Castaing Y, et al. **Bull Eur Physiopathol Respir** 1985 Jan-Feb;21(1):17-23

Ventilation-perfusion relationships in symptomatic asthma. Response to oxygen and clemastine. Corte P, et al. **Chest** 1985 Aug;88(2):167-75

Helium-oxygen breathing in severe chronic obstructive pulmonary disease. Swidwa DM, et al. **Chest** 1985 Jun; 87(6):790-5

Acute effects of oxygen treatment upon information processing in hypoxemic COPD patients. Wilson DK, et al. **Chest** 1985 Aug;88(2):239-43

Treatment of sudden deafness: carbon dioxide and oxygen inhalation and steroids. Edamatsu H, et al. **Clin Otolaryngol** 1985 Apr;10(2):69-72

Acute hemodynamic effects of controlled oxygen therapy in decompensated chronic obstructive pulmonary disease. Lejeune P, et al. **Crit Care Med** 1984 Dec;12(12):1032-5

The effect of ventilation on systemic blood gases in the presence of left ventricular ejection during cardiopulmonary bypass. Moore RA, et al. **J Thorac Cardiovasc Surg** 1985 Aug;90(2):287-90

Oxygen inhalation--induced transcutaneous PO2 changes as a predictor of amputation level. Harward TR, et al. **J Vasc Surg** 1985 Jan;2(1):220-7

Long-term domiciliary oxygen therapy [editorial] **Lancet** 1985 Aug 17;2(8451):365-7

Prevalence of hypoxaemic chronic obstructive lung disease with reference to long-term oxygen therapy. Williams BT, et al. **Lancet** 1985 Aug 17;2(8451):369-72

Domiciliary oxygen therapy. Ruffin RE, et al. **Med J Aust** 1985 Apr 29;142(9):510-2

Oxygen therapy in sickle-cell anemia [letter] Schulman LL. **N Engl J Med** 1984 Nov 15;311(20):1319-20

Aeromedical evacuations in Papua New Guinea--a case for routine oxygen supplementation in developing countries. Barber SG. **Papua New Guinea Med J** 1983 Sep-Dec; 26(3-4):203-6

The effect of oxygen inhalation and intravenous naftidrofuryl on the transcutaneous partial oxygen pressure in ischaemic lower limbs. Mustapha NM, et al. **Prosthet Orthot Int** 1984 Dec;8(3):135-8

Problems before, during and after mechanical ventilation in chronic bronchitis and emphysema. Flenley DC. **Schweiz Med Wochenschr** 1985 Feb 9;115(6):186-9

[Oxygen therapy and artificial respiration at home for severe chronic respiratory insufficiency] Laroche C. **Bull Acad Natl Med (Paris)** 1984 Dec;168(9):1073-5 **(Fre)**

[Home oxygen therapy and ventilation in chronic respiratory insufficiency. Results of a regional experience] Molina C, et al. **Bull Acad Natl Med (Paris)** 1984 May-Jun; 168(5-6):561-7 **(Fre)**

[Nomogram of FiO2 in air-oxygen mixtures] Drouet N. **Cah Anesthesiol** 1984 Dec;32(8):685 **(Fre)**

[Treatment of acute carbon monoxide poisoning with normo- and hyperbaric oxygen therapy. Value of a controlled study (letter)] Elkharrat D, et al. **Presse Med** 1985 Jul 6; 14(27):1477 **(Fre)**

[Desaturation and nocturnal pulmonary arterial hypertension in C.O.P.D.: effects of oxygen therapy] Geraads A, et al. **Rev Mal Respir** 1984;1(5):319-25 (Eng. Abstr.) **(Fre)**

[Respiratory insufficiency and long-term oxygen therapy at home] Bartsch P. **Rev Med Liege** 1985 Apr 15;40(8):307-13 **(Fre)**

[Oxygen treatment in obstructive lung disease] Ferlinz R. **Dtsch Med Wochenschr** 1984 Sep 14;109(37):1425-6 **(Ger)**

[Transcutaneous determination of oxygen partial pressure in standardized stress and hyperoxia conditions in children] Lindemann H, et al. **Prax Klin Pneumol** 1984 Dec; 38(12):545-8 (Eng. Abstr.) **(Ger)**

[Modification of adrenaline and noradrenaline levels by stress in air and oxygen breathing in patients with chronic obstructive ventilation disorders] Rühle KH, et al. **Prax Klin Pneumol** 1984 Dec;38(12):534-8 (Eng. Abstr.) **(Ger)**

[Histomorphologic lung findings in long-term artificial respiration with special reference to extreme continuous artificial respiration using pure oxygen] Ritter C, et al. **Z Rechtsmed** 1985;94(1):41-9 (Eng. Abstr.) **(Ger)**

['Intrauterine resuscitation' in the curved course of transcutaneous pO2 measurement in the fetus during labor. 2. Uterine contraction inhibition and contraction regulation] Bellée H, et al. **Zentralbl Gynakol** 1985; 107(1):47-53 (Eng. Abstr.) **(Ger)**

[New perspectives in oxygen therapy of chronic obstructive bronchopneumopathies] Cresci F, et al. **Clin Ter** 1984 Jul 15;110(1):1-21 (120 ref.) (Eng. Abstr.) **(Ita)**

[Long-term oxygen therapy of primary pulmonary hypertension] Nagasaka Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Mar; 23(3):348-54 (Eng. Abstr.) **(Jpn)**

[Effects of oxygen administration in sleep-induced apneas] Nakata K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Mar;23(3):311-21 (Eng. Abstr.) **(Jpn)**

[The influence of maternal oxygen inhalation for 30 to 60 minutes on fetal oxygenation] Haruta M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct; 36(10):1921-9 (Eng. Abstr.) **(Jpn)**

[Oxygen therapy of respiratory insufficiency in patients with pulmonary tuberculosis] Ershov AI, et al. **Probl Tuberk** 1984 Dec;(12):40-5 (Eng. Abstr.) **(Rus)**

[Metabolic control of arterial blood pressure during oxygenation in the early neonatal period in full-term infants born to healthy women and to those with late pregnancy toxemia] Mochalova LD, et al. **Vestn Akad Med Nauk SSSR** 1985;(6):35-7 (Eng. Abstr.) **(Rus)**

[Oxygen therapy in toxic pulmonary edema of various etiologies (review of the literature)] Erkova AI. **Voen Med Zh** 1985 Apr;(4):58-60 **(Rus)**

[Oxygen therapy in the combined treatment of patients with chronic cholecystitis combined with hepatitis] Miagkov II, et al. **Vrach Delo** 1984 Nov;(11):96-9 (Eng. Abstr.) **(Rus)**

[Prolonged oxygen therapy of inpatients with chronic respiratory insufficiency] Mayer M. **Bratisl Lek Listy** 1984 Sep;82(3):1094-103 (Eng. Abstr.) **(Slo)**

[Immediate effects of nifedipine and oxygen in acute episodes of chronic cor pulmonale] Santos Bouza AA, et al. **Med Clin (Barc)** 1985 Feb 9;84(5):176-80 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Chronic lung disease following hypocapneic alkalosis for persistent pulmonary hypertension [letter] Beck R. **J Pediatr** 1985 Mar;106(3):527-8

Hypoxia associated with helium-oxygen therapy in neonates. Butt WW, et al. **J Pediatr** 1985 Mar;106(3):474-6

Mechanisms of pulmonary oxygen toxicity. Fisher AB, et al. **Lung** 1984;162(5):255-9 (32 ref.)

[Hypercapnia caused by oxygen therapy] Nuttin G, et al. **Rev Med Brux** 1985 Jan;6(1):7-11 (Eng. Abstr.) **(Fre)**

[Oxygen therapy--underestimated risks] Rogala B, et al. **Wiad Lek** 1984 Sep 15;37(16):1263-6 (19 ref.) **(Pol)**

INSTRUMENTATION

Portable semiclosed circuit for prolonged oxygen administration in aircraft [letter] Lanier WL, et al. **Anesthesiology** 1985 Jul;63(1):116-8

Medical gas delivery systems [letter] Boaden RW. **Br J Anaesth** 1985 Feb;57(2):242

Intermittent flow oxygen devices; technically feasible, but rarely used [editorial] Block AJ. **Chest** 1984 Nov; 86(5):657-8

A demand valve conserves oxygen in subjects with chronic obstructive pulmonary disease. Mecikalski M, et al. **Chest** 1984 Nov;86(5):667-70

Low-concentration oxygen therapy via a demand oxygen delivery system. Tiep BL, et al. **Chest** 1985 May;87(5):636-8

A new pendant storage oxygen-conserving nasal cannula. Tiep BL, et al. **Chest** 1985 Mar;87(3):381-3

Supplemental oxygen therapy for adults. Powner DJ. **Indiana Med** 1984 Oct;77(10):780-2

Curb those tubes [letter] Drinka P, et al. **JAMA** 1985 Mar 1;253(9):1259

Inspiration-phased oxygen delivery. Winter RJ, et al. **Lancet** 1984 Dec 15;2(8416):1371-2

An inspiration-triggered delivery system for oxygen therapy via a nasal cannula. Krause PC, et al. **Med Instrum** 1985 Jul-Aug;19(4):179-83

Oxygen concentrators--an economical new technology. Crockett AJ. **Med J Aust** 1985 Apr 29;142(9):512-3

Oxygen concentrator in a remote hospital in Zaïre. Wood PB. **Trop Doct** 1985 Jan;15(1):26-7

[Simple aids for improving respiration in emergency patients] Röse M. **Z Arztl Fortbild (Jena)** 1984;78(15):609-10 **(Ger)**

[Oxygen concentrators in long-term home oxygen therapy] Ishihara T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Apr; 22(4):266-76 (Eng. Abstr.) **(Jpn)**

[Use of small compressors in the respiratory care of newborn infants] Facchini FP, et al. **AMB** 1984 Jul-Aug; 30(7-8):153-6 (Eng. Abstr.) **(Por)**

METHODS

Tracheal insufflation of O2 (TRIO) at low flow rates sustains life for several hours. Slutsky AS, et al. **Anesthesiology** 1985 Sep;63(3):278-86

Hemodynamic response to oxygen therapy in chronic obstructive pulmonary disease. Timms RM, et al. **Ann Intern Med** 1985 Jan;102(1):29-36

Domiciliary oxygen treatment. Breslin AB, et al. **Med J Aust** 1985 Apr 29;142(9):508-10

Surfactant treatment and ventilation by high frequency oscillation in premature newborn rabbits: effect on survival, lung aeration, and bronchiolar epithelial lesions. Nilsson R, et al. **Pediatr Res** 1985 Jan;19(1):143-7

[Experiences with oxygen therapy in respiratory failure patients with chronic pulmonary heart disease] Ni ZY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Jun;7(3):170-2, 192 (Eng. Abstr.) **(Chi)**

[Experiences with combined catheter-peridural anesthesia and nitrous oxide-oxygen ventilation in patients at risk in gynecology and obstetrics] Garstka G, et al. **Anasth Intensivther Notfallmed** 1984 Aug;19(4):195-200 (Eng. Abstr.) **(Ger)**

[Significance of oxygen hyperventilation in bronchofiberscopy in intensive medicine] Maroske D, et al. **Anasth Intensivther Notfallmed** 1984 Oct;19(5):253-7 (Eng. Abstr.) **(Ger)**

[Long-term oxygen therapy versus intermittent oxygen therapy (letter)] **Dtsch Med Wochenschr** 1985 Aug 23; 110(34):1311 **(Ger)**

[Long-term oxygen therapy versus multiple-step oxygen therapy] Petro W. **Dtsch Med Wochenschr** 1985 May 10; 110(19):765-9 **(Ger)**

[Oxygen home therapy in chronic respiratory insufficiency. Report of experience with 70 patients] Keller R, et al. **Schweiz Med Wochenschr** 1985 Mar 9;115(10):334-41 (Eng. Abstr.) **(Ger)**

OXYGEN ISOTOPES

The measurement of whole body water by H2(18)O dilution in newborn pigs. Whyte RK, et al. **Am J Clin Nutr** 1985 Apr;41(4):801-9

Evidence for the in vitro metabolism of allylisopropylacetamide to reactive intermediates. Mechanistic studies with oxygen-18. Prickett KS, et al. **Biomed Mass Spectrom** 1984 Jul;11(7):320-31

OXYGEN RADIOISOTOPES

Production and quality control of 15O2 and C15O2 for medical use. Strijckmans K, et al. **Int J Appl Radiat Isot** 1985 Apr;36(4):279-83

Positron emission tomography with 15oxygen radiopharmaceuticals. Raichle ME, et al. **Res Publ Assoc Res Nerv Ment Dis** 1985;63:51-9 (23 ref.)

[Development of an automatic synthesis system for cyclotron--produced radiopharmaceuticals: 15O-water and 11C-cyanide] Nishihara Y, et al. **Radioisotopes** 1984 Oct;33(10):706-9 **(Jpn)**

DIAGNOSTIC USE

The 15O continuous-inhalation method: correction for intravascular signal using C15O. Pantano P, et al. **Eur J Nucl Med** 1985;10(9-10):387-91

Brain oxygen utilization measured with oxygen-15 radiotracers and positron emission tomography: generation of metabolic images. Herscovitch P, et al. **J Nucl Med** 1985 Apr;26(4):416-7

Quantitative measurement of myocardial blood flow with oxygen-15 water and positron computed tomography: an assessment of potential and problems. Huang SC, et al. **J Nucl Med** 1985 Jun;26(6):616-25

Pathophysiology of human cerebral ischemia: studies with positron tomography and 15oxygen. Frackowiak RS. **Res Publ Assoc Res Nerv Ment Dis** 1985;63:139-61

[Positron emission tomography using oxygen-15 in cerebrovascular disorders] Soeda T, et al. **Nippon Ika Daigaku Zasshi** 1985 Jun;52(3):357-9 **(Jpn)**

[Constant infusion system of 15O labeled-water] Saji H, et al. **Radioisotopes** 1984 Sep;33(9):611-6 (Eng. Abstr.) **(Jpn)**

OXYGENASES

Spectral characterization of diarylpropane oxygenase, a novel peroxide-dependent, lignin-degrading heme enzyme. Andersson LA, et al. **J Biol Chem** 1985 May 25; 260(10):6080-7

Evidence for N coordination to Fe in the [2Fe-2S] clusters of Thermus Rieske protein and phthalate dioxygenase from Pseudomonas. Cline JF, et al. **J Biol Chem** 1985 Mar 25; 260(6):3251-4

ANALYSIS

An alternative 7-ethoxyresorufin O-deethylase activity assay: a continuous visible spectrophotometric method for measurement of cytochrome P-450 monooxygenase activity. Klotz AV, et al. **Anal Biochem** 1984 Jul; 140(1):138-45

A study into the effects of 2-acetylaminofluorene on hepatic monooxygenase activities in the chick embryo. Darby NJ, et al. **Biochem Pharmacol** 1985 Aug 1;34(15):2669-74

Interaction of cimetidine and ranitidine with the FAD monooxygenase in pig liver microsomes. Oldham HG, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2398-401

Regulation of hepatic monooxygenases by phenobarbital, 3-methylcholanthrene, and polychlorinated biphenyls in rapid and slow acetylator mice. Elves RG, et al. **Drug Metab Dispos** 1985 May-Jun;13(3):354-8

Purification and properties of ferredoxinTOL. A component of toluene dioxygenase from Pseudomonas putida F1. Subramanian V, et al. **J Biol Chem** 1985 Feb 25; 260(4):2355-63

Major differences in the specificity and regulation of mouse renal cytochrome P-450-dependent monooxygenases. A comparison of xenobiotic and endogenous substrates. Hawke RL, et al. **Mol Pharmacol** 1985 Sep;28(3):283-9

ANTAGONISTS & INHIBITORS

A human cytochrome P-450 characterized by inhibition studies as the sparteine-debrisoquine monooxygenase. Inaba T, et al. **Can J Physiol Pharmacol** 1984 Jul; 62(7):860-2

Depression of the hepatic cytochrome P-450 monooxygenase system by treatment of mice with the antineoplastic agent 5-azacytidine. Gooderham NJ, et al. **Cancer Res** 1985 Apr; 45(4):1569-72

Selective inhibitory interactions of alkoxymethylenedioxybenzenes towards mono-oxygenase activity in rat-hepatic microsomes. Murray M, et al. **Xenobiotica** 1985 May;15(5):369-79

[Effect of ionol on oxygenase level in proliferating animal tissues] Kosaganova NIu, et al. **Biofizika** 1984 Sep-Oct; 29(5):868-72 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Ethanol-induced increase in NADH-dependent monooxygenase activities of hepatic microsomal cytochrome P-450. Gadeholt G, et al. **Alcohol** 1984 Mar-Apr;1(2):119-24

Differential induction of cytochrome P-450-dependent monooxygenase, epoxide hydrolase, glutathione transferase and UDP glucuronosyl transferase activities in the liver of the rainbow trout by beta-naphthoflavone or Clophen A50. Andersson T, et al. **Biochem Pharmacol** 1985 Sep 15; 34(18):3309-14

Xenobiotic imprinting of the hepatic monooxygenase system. Effects of neonatal phenobarbital administration. Bagley DM, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1007-14

Acylureas: a new class of barbiturate-like bacterial cytochrome P-450 inducers. Ruettinger RT, et al. **Biochim Biophys Acta** 1984 Oct 16;801(3):372-80

Monooxygenase induction by various xenobiotics and its influence on the rat liver microsomal metabolite profile of benz[a]anthracene. Jacob J, et al. **Cancer Lett** 1985 May; 27(1):105-13

Phenobarbital induces cytochrome P-450- and cytochrome P-448-dependent monooxygenases in rat hepatoma cells. Wiebel FJ, et al. **Chem Biol Interact** 1984 Dec;52(2):151-62

The properties of the large subunit of maize ribulose bisphosphate carboxylase/oxygenase synthesised in Escherichia coli. Gatenby AA. **Eur J Biochem** 1984 Oct 15;144(2):361-6

Nuclear ADP-ribosyl transferase activity correlates with induction of P-450 monooxygenases by phenobarbital in rat liver microsomes. Lechner MC, et al. **Eur J Biochem** 1985 Sep 16;151(3):621-4

DNA-directed in vitro synthesis and assembly of the form II D-ribulose-1,5-bisphosphate carboxylase/oxygenase from Rhodopseudomonas sphaeroides. Chory J, et al. **J Bacteriol** 1985 Jan;161(1):307-13

Induction of a cytochrome P-450-dependent fatty acid monooxygenase in Bacillus megaterium by a barbiturate analog, 1-[2-phenylbutyryl]-3-methylurea. Wen LP, et al. **Mol Cell Biochem** 1985 May;67(1):77-81

A dual assay for the specific screening of 3-methylcholanthrene- and phenobarbital-like chemical inducers of cytochrome P-450 monooxygenases. Lesca P, et al. **Mutat Res** 1984 Dec;129(3):299-310

Effect of promethazine and isosafrole on rat-hepatic microsomal mono-oxygenase activity: comparison with classic inducers phenobarbitone and beta-naphthoflavone. Taylor G, et al. **Xenobiotica** 1985 Mar;15(3):243-9

[Induction of hepatic microsomal monooxygenases by schisanhenol in rats] Liu GT, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):41-4 (Eng. Abstr.) **(Chi)**

[Comparative study of zixoryn and phenobarbital as enzyme inducers of the liver mono-oxygenase system] Loginov AS, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):437-40 (Eng. Abstr.) **(Rus)**

[Effect of benzonal on the liver mono-oxygenase system of laboratory animals] Savateev NV, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):100-3 (Eng. Abstr.) **(Rus)**

GENETICS

Isolation and characterization of Pseudomonas putida PpF1 mutants defective in the toluene dioxygenase enzyme system. Finette BA, et al. **J Bacteriol** 1984 Dec; 160(3):1003-9

TOL plasmid pWW15 contains two nonhomologous, independently regulated catechol 2,3-oxygenase genes. Keil H, et al. **J Bacteriol** 1985 Jul;163(1):248-55

IMMUNOLOGY

Rabbit lung flavin-containing monooxygenase is immunochemically and catalytically distinct from the liver enzyme. Williams DE, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):116-22

ISOLATION & PURIFICATION

Factors affecting the dissociation and reconstitution of ribulose-1,5-bisphosphate carboxylase/oxygenase from Aphanothece halophytica. Incharoensakdi A, et al. **Arch Biochem Biophys** 1985 Mar;237(2):445-53

Multiple molecular forms of diarylpropane oxygenase, an H2O2-requiring, lignin-degrading enzyme from Phanerochaete chrysosporium. Renganathan V, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):304-14

Crystalline ribulose bisphosphate carboxylase/oxygenase of high integrity and catalytic activity from Nicotiana tabacum. Servaites JC. **Arch Biochem Biophys** 1985 Apr; 238(1):154-60

Identification of distinct hepatic and pulmonary forms of microsomal flavin-containing monooxygenase in the mouse and rabbit. Tynes RE, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1069-75

Hydroxylation of benzoate and its chlorinated derivatives in Aspergillus niger. Sahasrabudhe SR, et al. **Biochem Int** 1985 Apr;10(4):525-9

Deacetoxycephalosporin C synthetase and deacetoxycephalosporin C hydroxylase are two separate enzymes in Streptomyces clavuligerus. Jensen SE, et al. **J Antibiot (Tokyo)** 1985 Feb;38(2):263-5

Characterization of crystals of protocatechuate 3,4-dioxygenase from Pseudomonas cepacia. Ludwig ML, et al. **J Biol Chem** 1984 Dec 10;259(23):14840-2

METABOLISM

Hydroperoxidation by cytochrome P-450 oxygenase: metabolism of 9-methylfluorene. Chen C, et al. **Arch Biochem Biophys** 1985 Apr;238(1):195-205

Inhibition and stimulation of ribulose-1,5-bisphosphate carboxylase/oxygenase by glyoxylate. Cook CM, et al. **Arch Biochem Biophys** 1985 Jul;240(1):392-401

Characterization of an active-site peptide modified by glyoxylate and pyridoxal phosphate from spinach ribulosebisphosphate carboxylase/oxygenase. Cook CM, et al. **Arch Biochem Biophys** 1985 Jul;240(1):402-12

Purification and characterization of an extracellular H2O2-requiring diarylpropane oxygenase from the white rot basidiomycete, Phanerochaete chrysosporium. Gold MH, et al **Arch Biochem Biophys** 1984 Nov 1;234(2):353-62

Mitochondrial-microsomal interactions in vitro: use of microsomal 7-ethoxycoumarin O-deethylase to study succinate-stimulated malate efflux from mitochondria. Holtzclaw WD, et al. **Arch Biochem Biophys** 1984 Sep; 233(2):345-53

Oxidation of anionic nitroalkanes by flavoenzymes, and participation of superoxide anion in the catalysis. Kido T, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):468-75

Regulation of rat liver microsomal squalene epoxidase: inactivation of the supernatant protein factor by nucleotides. Senjo M, et al. **Arch Biochem Biophys** 1985 May 1;238(2):584-7

Catalytic activity and substrate specificity of the flavin-containing monooxygenase in microsomal systems: characterization of the hepatic, pulmonary and renal enzymes of the mouse, rabbit, and rat. Tynes RE, et al. **Arch Biochem Biophys** 1985 Jul;240(1):77-93

The cytochrome P450-containing monooxygenase of Trichosporon cutaneum: occurrence and properties. Laurila H, et al. **Arch Microbiol** 1984 Dec;140(2-3):257-9

Membrane bound cytochrome P-450 determines the optimal temperatures of NADPH-cytochrome P-450 reductase and cytochrome P-450-linked monooxygenase reactions in rat and trout hepatic microsomes. Gurumurthy P, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):571-7

Heterologous hybridization of ribulose 1,5-bisphosphate carboxylase/oxygenase (RuBisCO) restores the enzyme activities. Incharoensakdi A, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):698-704

Pituitary regulation of sex-specific forms of cytochrome P-450 in liver microsomes of rats. Kamataki T, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1247-53

Exclusive activation of aromatic amines in the marine mussel Mytilus edulis by FAD-containing monooxygenase. Kurelec B. **Biochem Biophys Res Commun** 1985 Mar 29; 127(3):773-8

Properties of a membrane-associated benzoate-4-hydroxylase from Rhodotorula graminis. McNamee CG, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):485-92

The methane mono-oxygenase reaction system studied in vivo by membrane-inlet mass spectrometry. Joergensen L. **Biochem J** 1985 Jan 15;225(2):441-8

Spectroscopic evidence for a photosensitive oxygenated state of ammonia mono-oxygenase. Shears JH, et al. **Biochem J** 1985 Mar 1;226(2):499-507

Drug metabolism in man and its relationship to that in three rodent species: monooxygenase, epoxide hydrolase, and glutathione S-transferase activities in subcellular fractions of lung and liver. Lorenz J, et al. **Biochem Med** 1984 Aug; 32(1):43-56

Characterization of the benzene monooxygenase system in rabbit bone marrow. Gollmer L, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3597-602

Different effects of cyanide on the activities of 7-ethoxycoumarin O-deethylation catalyzed by two forms of cytochrome P-450 purified from 3-methylcholanthrene-treated rats. Kitada M, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1133-6

Metabolism of phosphorus-containing compounds by pig liver microsomal FAD-containing monooxygenase. Smyser BP, et al. **Biochem Pharmacol** 1985 Apr 15; 34(8):1145-50

Solvent proton magnetic resonance dispersion in protocatechuate 3,4-dioxygenase and complexes with 3-halo-4-hydroxybenzoate inhibitors. Felton RH, et al. **Biochemistry** 1984 Aug 14;23(17):3955-9

Alternate substrates and inhibitors of bacterial 4-hydroxyphenylpyruvate dioxygenase. Pascal RA Jr, et al. **Biochemistry** 1985 Jun 18;24(13):3158-65

Extensive studies of the heme coordination structure of indoleamine 2,3-dioxygenase and of tryptophan binding with magnetic and natural circular dichroism and electron paramagnetic resonance spectroscopy. Sono M, et al. **Biochim Biophys Acta** 1984 Sep 11;789(2):170-87

A new monooxygenase product from 7-ethoxycoumarin and its relation to the O-dealkylation reaction. Jung B, et al. **Biol Chem Hoppe Seyler** 1985 Jan;366(1):23-31

Changes in cysteine dioxygenase and cysteinesulfinate decarboxylase activities and taurine levels in tissues of pregnant or lactating rat dams and their fetuses or pups. Kuo SM, et al. **Biol Neonate** 1984;46(5):237-48

The determination of flux through phenylalanine hydroxylase and homogentisate oxidase in isolated hepatocytes. Fisher MJ, et al. **Biosci Rep** 1984 Oct;4(10):835-41

The effect of different hyperglucagonemic states on monooxygenase activities and isozymic pattern of cytochrome P-450 in mouse. Rouer E, et al. **Biosci Rep** 1985 Apr;5(4):335-41

Metabolism of 2-acetylaminofluorene in isolated rabbit pulmonary cells. Evidence for the heterogeneous distribution of monooxygenase activity in lung tissue. Minchin RF, et al. **Drug Metab Dispos** 1985 Jul-Aug; 13(4):406-11

Mössbauer investigation of the cofactor iron of putidamonooxin. Bill E, et al. **Eur J Biochem** 1985 Feb 15;147(1):177-82

Electron transfer reactions in the soluble methane monooxygenase of Methylococcus capsulatus (Bath). Lund J, et al. **Eur J Biochem** 1985 Mar 1;147(2):297-305

Further characterisation of the FAD and Fe2S2 redox centres of component C, the NADH:acceptor reductase of the soluble methane monooxygenase of Methylococcus capsulatus (Bath). Lund J, et al. **Eur J Biochem** 1985 Mar 1;147(2):291-6

Dioxygen-activating iron center in putidamonooxin. Electron spin resonance investigation of the nitrosylated putidamonooxin. Twilfer H, et al. **Eur J Biochem** 1985 Feb 15;147(1):171-6

Inducibility of the hepatic microsomal monooxygenase system experimentally reduced to a minimum amount/activity. Effect of hypophysectomy, partial hepatectomy and phenobarbital/toluene treatment on the hepatic polysubstrate monooxygenase system in rats.

Ungváry G, et al. **Exp Pathol** 1985;27(4):207–20

Epoxygenation of arachidonic acid by rat anterior pituitary microsomal fractions. Capdevila J, et al. **FEBS Lett** 1984 Dec 10;178(2):319–22

Characterization of prosthetic groups of naphthalene oxygenase from Corynebacterium renale. Srivastava M, et al. **Indian J Biochem Biophys** 1985 Feb;22(1):13–7

Oxidation and dehalogenation of 4–chlorophenylacetate by a two-component enzyme system from Pseudomonas sp. strain CBS3. Markus A, et al. **J Bacteriol** 1984 Nov; 160(2):618–21

Novel reactivity of cytochrome P–450–CAM. Methyl hydroxylation of 5,5–difluorocamphor. Eble KS, et al. **J Biol Chem** 1984 Dec 10;259(23):14389–93

Mechanism of oxidative C alpha–C beta cleavage of a lignin model dimer by Phanerochaete chrysosporium ligninase. Stoichiometry and involvement of free radicals. Hammel KE, et al. **J Biol Chem** 1985 Jul 15;260(14):8348–53

The ligninase of Phanerochaete chrysosporium generates cation radicals from methoxybenzenes. Kersten PJ, et al. **J Biol Chem** 1985 Mar 10;260(5):2609–12

18O studies of pyrogallol cleavage by catechol 1,2–dioxygenase. Mayer RJ, et al. **J Biol Chem** 1984 Nov 10;259(21):13056–60

Infrared spectra of carbon monoxide complexes of indoleamine 2,3–dioxygenase and L–tryptophan 2,3–dioxygenases. Effects of substrates on the CO–stretching frequencies. Uchida K, et al. **J Biol Chem** 1985 Feb 10;260(3):1400–6

Subcellular localization and properties of partially purified dimethylamine and trimethylamine mono–oxygenase activities in Candida utilis. Green J, et al. **J Gen Microbiol** 1984 Oct;130 (Pt 10):2577–88

A comparison of the effects of hexachlorobenzene, beta–naphthoflavone, and phenobarbital on cytochrome P–450 and mixed–function oxidases in Japanese quail. Carpenter HM, et al. **J Toxicol Environ Health** 1985; 15(1):93–108

Potent induction of human placental mono–oxygenase activity by previous dietary exposure to polychlorinated biphenyls and their thermal degradation products. Wong TK, et al. **Lancet** 1985 Mar 30;1(8431):721–4

Impairment of hepatic cytochrome P–450–dependent monooxygenases by the malaria parasite Plasmodium berghei. Alvares AP, et al. **Mol Biochem Parasitol** 1984 Nov;13(3):277–82

Reducing equivalents for mixed function oxidation in periportal and pericentral regions of the liver lobule in perfused livers from normal and phenobarbital–treated rats. Belinsky SA, et al. **Mol Pharmacol** 1984 Nov;26(3):574–81

Monoclonal antibody–directed determination of cytochrome P–450 types expressed in a human lymphoblastoid cell line. Friedman FK, et al. **Mol Pharmacol** 1985 Jun;27(6):652–5

Bioorganotin chemistry: a commentary on the reactions of organotin compounds with a cytochrome P–450 dependent monooxygenase enzyme system. Fish RH. **Neurotoxicology (Park Forest Il)** 1984 Summer;5(2):159–61

Base (O.–2, e–, or OH–)–induced autoxygenation of organic substrates: a model chemical system for cytochrome P–450–catalyzed monoxygenation and dehydrogenation by dioxygen. Sawyer DT, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):8025–7

Decreased placental monooxygenase activities associated with birth defects. Manchester D, et al. **Teratology** 1984 Aug;30(1):31–7

Lipid composition and monooxygenase relationship in liver microsomal membranes from rats fed unbalanced diets. Narbonne JF, et al. **Toxicol Lett** 1984 Oct;23(1):73–7

In vivo effects of nitrogen dioxide and ozone on xenobiotic metabolizing systems of rat lungs. Takahashi Y, et al. **Toxicol Lett** 1985 Aug;26(2–3):145–52

The measurement of FAD–containing mono–oxygenase activity in microsomes containing cytochrome P–450. Tynes RE, et al. **Xenobiotica** 1984 Jul;14(7):515–20

Studies on N–demethylation of methamphetamine by liver microsomes of guinea–pigs and rats: the role of flavin–containing mono–oxygenase and cytochrome P–450 systems. Yamada H, et al. **Xenobiotica** 1984 Nov; 14(11):861–6

[Comparative study of the behavior of particulate emissions from diesel and gasoline engines in animal lungs: elimination rate and induction of benzo(a)pyrene hydroxylase and ethoxycoumarin de–ethylase] Dehnen W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Mar; 180(4):351–8 (Eng. Abstr.) **(Ger)**

[Differing microsomal monoxygenase activity in the cells of ascitic and solid forms of transplantable tumors] Kiseleva MG, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):232–4 (Eng. Abstr.) **(Rus)**

[Phytohemagglutinin––a modulator of activity of cytochrome P–450–dependent enzymes of hepatocyte and immunocyte membranes] Galkin BN, et al. **Ukr Biokhim Zh** 1985 May–Jun;57(3):13–7 (Eng. Abstr.) **(Rus)**

[Biotransformation of oxyprothepine by the monoxygenase system in the liver of rats] Paulíková I, et al. **Cesk Farm** 1984 Nov;33(9):385–6 (Eng. Abstr.) **(Slo)**

OXYGENATION, HYPERBARIC see **HYPERBARIC OXYGENATION**

OXYGENATORS

The oxygenator arterial sampling port: a potential source of error. Gravenstein N, et al. **Anesthesiology** 1985 Jun; 62(6):825–6

A new simple temperature–controlled membrane oxygenator for the perfusion of isolated rat livers. Ogura M, et al. **Experientia** 1985 Jan 15;41(1):139–41

Clinical evaluation of the microporous hollow fiber oxygenator. Makuuchi H, et al. **Jpn J Surg** 1984 Sep; 14(5):387–93

A clinical evaluation of the gas transfer characteristics and gaseous microemboli production of two bubble oxygenators. Pearson DT, et al. **Life Support Syst** 1984 Oct–Dec;2(4):252–66

[Clinical experience with a polypropyrene hollow fiber oxygenator––comparative study of Termo Capiox II and Shiley bubble oxygenator] Matsukura H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Oct; 32(10):1804–11 (Eng. Abstr.) **(Jpn)**

[Pulsating perfusion during carbon fluoride oxygenation of blood] Ioseliani GD, et al. **Anesteziol Reanimatol** 1984 Jul–Aug;(4):27–30 (Eng. Abstr.) **(Rus)**

[Various problems of increasing the effectiveness of synchronous veno–arterial perfusion with blood oxygenation for the normalization of hemodynamics during the development of acute cardiovascular insufficiency] Kasymov AKh, et al. **Anesteziol Reanimatol** 1985 Jan–Feb; (1):22–5 (Eng. Abstr.) **(Rus)**

[Clinical use of antifoaming agent Propynol B–400 during extracorporeal circulation] Kobakhidze EA, et al. **Anesteziol Reanimatol** 1984 Nov–Dec;(6):13–4 (Eng. Abstr.) **(Rus)**

[Perfusion preservation of the heart by cardiosynchronized pulsating flow and fluorocarbon oxygenation of the blood] Chilaia SM, et al. **Kardiologiia** 1984 Jul;24(7):94–6 **(Rus)**

ADVERSE EFFECTS

Deleterious effects of cardiopulmonary bypass. A prospective study of bubble versus membrane oxygenation. van Oeveren W, et al. **J Thorac Cardiovasc Surg** 1985 Jun; 89(6):888–99

The bubble oxygenator as a source of gaseous microemboli. Yost G. **Med Instrum** 1985 Mar–Apr;19(2):67–9

STANDARDS

[Clinical study of the William Harvey H–1700 oxygenator for open heart surgery] Tomizawa Y, et al. **Kyobu Geka** 1985 Jun;38(6):455–8 (Eng. Abstr.) **(Jpn)**

OXYGENATORS, MEMBRANE

Evaluation of the gas transfer characteristics of porous copolyurethane oxygenator membranes. Knight PM, et al. **Ann Biomed Eng** 1985;13(1):25–41

Venovenous perfusion in ECMO for newborn respiratory insufficiency. A clinical comparison with venoarterial perfusion. Klein MD, et al. **Ann Surg** 1985 Apr;201(4):520–6

A new hollow–fiber oxygenator for clinical cardiopulmonary bypass. Golding LA, et al. **Artif Organs** 1984 Nov; 8(4):498–500

Use of extracorporeal membrane oxygenators in persistent pulmonary hypertension of the newborn. Andrews AF, et al. **Clin Perinatol** 1984 Oct;11(3):729–35

Mechanical pulmonary ventilation at high airway pressures: is it safe? Kolobov T, et al. **Int J Artif Organs** 1984 Nov; 7(6):315–6

Oxygen and CO2 transfer of a polypropylene dimpled membrane lung with variable secondary flows. Dorrington KL, et al. **J Biomed Eng** 1985 Apr;7(2):89–99

The early evaluation of survivors after extracorporeal membrane oxygenation for neonatal pulmonary failure. Krummel TM, et al. **J Pediatr Surg** 1984 Oct;19(5):585–90

Reduced platelet activation and improved hemostasis after controlled cardiotomy suction during clinical membrane oxygenator perfusions. Boonstra PW, et al. **J Thorac Cardiovasc Surg** 1985 Jun;89(6):900–6

From pulsating to tubular flow membrane–oxygenator. Birnbaum D, et al. **Life Support Syst** 1984 Oct–Dec; 2(4):281–6

Low pressure drop microporous hollow fiber membrane oxygenator. Lautier A, et al. **Life Support Syst** 1985 Jan–Mar;3(1):89–91

Silicone oil as oxygen carrier in dialyzate during hemodialysis and extracorporeal oxygenation of rabbits. Zborowski M, et al. **Life Support Syst** 1984 Oct–Dec;2(4):287–9

Chest radiographic findings in neonates on extracorporeal membrane oxygenation. Hall JA Jr, et al. **Radiology** 1985 Oct;157(1):75–7

Cardiac assist by extracorporeal membrane oxygenation with in–line left ventricular venting. Eugene J, et al. **Trans Am Soc Artif Intern Organs** 1984;30:99–102

Flow characteristics of Kolobow system for extracorporeal CO2 removal (ECCO2R). Ladowski JS, et al. **Trans Am Soc Artif Intern Organs** 1984;30:635–8

Bound and circulating heparin in an ECMO system thrombogenicity versus functionality. Roohk HV, et al. **Trans Am Soc Artif Intern Organs** 1984;30:639–43

The use of bound heparin in prolonged extracorporeal membrane oxygenation. Toomasian JM, et al. **Trans Am Soc Artif Intern Organs** 1984;30:133–6

[A new membrane oxygenator. Capiox II. Comparative evaluation with a bubble oxygenator] Possati F, et al. **Minerva Chir** 1985 Jun 15;40(11):803–9 (Eng. Abstr.) **(Ita)**

[Clinical experience of the Kolobow membrane oxygenator with a hardshell reservoir in open heart surgery] Fukata T, et al. **Kyobu Geka** 1985 Jan;38(1):50–1 (Eng. Abstr.) **(Jpn)**

[Extracorporeal lung assist (ECLA) by intermittent veno–venous bypass for newborn respiratory failure] Saito Y, et al. **Masui** 1985 Apr;34(4):483–8 (Eng. Abstr.) **(Jpn)**

[Measurement of micro–airbubbles in the extracorporeal circulation by laser bubble detector] Murata S. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Dec; 32(12):2049–59 (Eng. Abstr.) **(Jpn)**

[Studies on the development and clinical application of a silicone hollow–fiber membrane oxygenator] Ohmori K. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Oct; 32(10):1783–94 (Eng. Abstr.) **(Jpn)**

[Extracorporeal membrane oxygenation (ECMO) and the development of membrane artificial lung] Tanabe T, et al. **Nippon Rinsho** 1985 Jan;43(1):213–26 (30 ref.) **(Jpn)**

[Membrane oxygenators of the blood] Krajewska B, et al. **Polim Med** 1983;13(3–4):93–116 (87 ref.) (Eng. Abstr.) **(Pol)**

[Long–term extracorporeal membrane oxygenation in children with acute respiratory insufficiency] Borodachev AV, et al. **Anesteziol Reanimatol** 1985 Jan–Feb;(1):62–5 (24 ref.) **(Rus)**

[Oxygenators with polymeric sheet membranes] Petrash VV, et al. **Med Tekh** 1985 Jan–Feb;(1):51–4 **(Rus)**

[Use of a membrane oxygenator for elimination of CO2 in acute respiratory insufficiency] Demidova OV, et al. **Probl Tuberk** 1985;(1):64–8 (Eng. Abstr.) **(Rus)**

[Various resuscitation aspects of extrapulmonary membrane oxygenation] Skorik VI. **Vestn Khir** 1985 Mar;134(3):104–7 **(Rus)**

ADVERSE EFFECTS

Cranial sonography of the infant treated with extracorporeal membrane oxygenation. Bowerman RA, et al. **AJR** 1985 Jul;145(1):161–6

Evaluation of the thrombogenicity of selected microporous oxygenator membranes. Knight PM, et al. **Artif Organs** 1985 Feb;9(1):28–36

Deleterious effects of cardiopulmonary bypass. A prospective study of bubble versus membrane oxygenation. van Oeveren W, et al. **J Thorac Cardiovasc Surg** 1985 Jun; 89(6):888–99

STANDARDS

[Clinical evaluation of the newly developed membrane oxygenator; LPM–50] Makuuchi H, et al. **Kyobu Geka** 1984 Sep;37(10):783–9 (Eng. Abstr.) **(Jpn)**

OXYHEMOGLOBINS

High–field, variable–temperature Mössbauer effect measurements on oxyhemeproteins. Boso B, et al. **Biochim Biophys Acta** 1984 Dec 7;791(2):244–51

Heme–apoprotein interaction in the modified oxyhemoglobin–bis(N–maleimidomethyl)ether and in oxyhemoglobin at high Cl–concentration detected by resonance Raman scattering. Wedekind D, et al. **Biochim Biophys Acta** 1985 Aug 23;830(3):224–32

On the precipitation of proteins by polymers: the hemoglobin––polyethylene glycol system. Haire RN, et al. **Biopolymers** 1984 Dec;23(12):2761–79

Iron electronic structure in oxyhemoglobin and carboxypeptidase digested derivatives. Balko B, et al. **J Biochem Biophys Methods** 1984 Nov;10(1–2):55–64

Haemoglobin: the surface buried between the alpha 1 beta 1 and alpha 2 beta 2 dimers in the deoxy and oxy structures. Lesk AM, et al. **J Mol Biol** 1985 May 25;183(2):267–70

Reexamination of the evidence for paramagnetism in oxy- and carbonmonoxyhemoglobins. Cerdonio M, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):102–3

Structure, dynamics, and reactivity in hemoglobin. Friedman JM. **Science** 1985 Jun 14;228(4705):1273–80

ANALYSIS

Continuous gas–depletion technique for measuring O2–dissociation curves of high–affinity hemoglobins. Sick H, et al. **Anal Biochem** 1985 Apr;146(1):277–80

Oxyhemoglobin saturation during sleep in subjects with and without the obesity–hypoventilation syndrome. Jones JB, et al. **Chest** 1985 Jul;88(1):9–15

[Diurnal basal pulmonary arterial pressure and nocturnal levels of oxygenation in patients with chronic bronchitis] Sautegeau A, et al. **Bull Eur Physiopathol Respir** 1984 Nov–Dec;20(6):541–5 (Eng. Abstr.) **(Fre)**

[The development of P50 and 2,3–DPG during exchange–transfusion in neonates] Major D, et al. **Union Med Can** 1985 Feb;114(2):165–6 (Eng. Abstr.) **(Fre)**

[Comparison of the oxyhemoglobin dissociation curve in various pathological forms] Pacia A. **Arch Monaldi** 1984 Jan–Apr;39(1–2):45–52 (Eng. Abstr.) **(Ita)**

[A unit for studying oxyhemoglobin dissociation curves] Filippov MM, et al. **Fiziol Zh** 1984 Nov–Dec;30(6):754–6 **(Rus)**

[Oxygen saturation of arterial blood in patients with diabetic retinopathy] Gamm EG, et al. **Vestn Oftalmol** 1984 Nov-Dec;(6):64-5 **(Rus)**

[Hemoglobin, carboxyhemoglobin and oxyhemoglobin saturation curves in healthy smokers] Alvarez-Sala JL, et al. **Med Clin (Barc)** 1984 Jun 2;83(1):9-13 (Eng. Abstr.) **(Spa)**

BLOOD

A microcomputer system for monitoring and analysing oxyhemoglobin saturation during sleep. Evans RJ, et al. **Comput Programs Biomed** 1984;18(3):227-34

METABOLISM

An evaluation of Easton's paradigm for the oxyhemoglobin equilibrium curve. Buerk DG. **Adv Exp Med Biol** 1984; 180:333-44

Nocturnal oxyhemoglobin desaturation following tracheostomy for obstructive sleep apnea. Fletcher EC, et al. **Am J Med** 1985 Jul;79(1):35-42

Effect of erythrocyte storage and oxyhemoglobin affinity changes on cardiac function. Apstein CS, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):H508-15

A kinetic and equilibrium study of ligand binding to a Root-effect haemoglobin. Brittain T. **Biochem J** 1985 Jun 1;228(2):409-14

A controversy on the mechanism of autoxidation of oxymyoglobin and oxyhaemoglobin: oxidation, dissociation, or displacement? [letter] Shikama K. **Biochem J** 1984 Oct 1;223(1):279-80

Encapsulation of hemoglobin in phospholipid liposomes: characterization and stability. Szebeni J, et al. **Biochemistry** 1985 Jun 4;24(12):2827-32

Characterization of the actin-binding site on the alkali light chain of myosin. Henry GD, et al. **Biochim Biophys Acta** 1985 Aug 23;830(3):233-43

Influence of cerebral spinal fluid on the affinity of human red cells for oxygen. Lanza V, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2345-52

Relationship of ventricular ectopy to oxyhemoglobin desaturation in patients with obstructive sleep apnea. Shepard JW Jr, et al. **Chest** 1985 Sep;88(3):335-40

A mathematical model of the hemoglobin-oxygen dissociation curve of human blood and of the oxygen partial pressure as a function of temperature. Siggaard-Andersen O, et al. **Clin Chem** 1984 Oct;30(10):1646-51

Oxygen binding by the blood and hematological effects of capture stress in two big game-fish: mako shark and striped marlin. Wells RM, et al. **Comp Biochem Physiol [A]** 1985; 81(3):643-6

Noninvasive arterial hemoglobin oxygen saturation versus transcutaneous oxygen tension monitoring in the preterm infant. Deckardt R, et al. **Crit Care Med** 1984 Nov; 12(11):935-9

Hypoxemia, cellular hypoxia, and the oxyhemoglobin dissociation curve [letter] Thorgaard Andersen P, et al. **Crit Care Med** 1985 Aug;13(8):695-6

Mechanism of electron transfer to coordinated dioxygen of oxyhemoglobins to yield peroxide and methemoglobin. Protein control of electron donation by aquopentacyanoferrate(II). Kawanishi S, et al. **J Biol Chem** 1985 Apr 25;260(8):4622-31

Calorimetric studies of oxyhemoglobin dissociation. II. Erythrocytic oxygen depletion by sodium dithionite. Forlani L, et al. **J Inorg Biochem** 1985 Feb;23(2):109-17

Fixed acid and carbon dioxide Bohr effects as functions of hemoglobin-oxygen saturation and erythrocyte pH in the blood of the frog, Rana temporaria. Wells RM, et al. **Pflugers Arch** 1985 Jan;403(1):7-12

Red cell organic phosphates and Bohr effects in house sparrow blood. Maginniss LA. **Respir Physiol** 1985 Jan; 59(1):93-103

Venous crossover PO2. A reference point for assessing the physiological significance of alterations in oxyhaemoglobin equilibrium. Stewart RI. **Respiration** 1985;48(1):58-61

Effects of drug-induced reduction in oxyhemoglobin affinity on survival time of mice in severe hypoxic conditions. Kugimiya T, et al. **Tohoku J Exp Med** 1984 Nov; 144(3):315-20

Effect of blood on styrene oxidation in perfused rat liver. Belvedere G, et al. **Toxicol Lett** 1984 Dec;23(3):261-5

Kinetics of amyl nitrite-induced hemoglobin oxidation in cord and adult blood. Tarburton JP, et al. **Toxicology** 1985 Jul;36(1):15-21

Peroxidase activity of oxyhaemoglobin in vitro. Lenk W, et al. **Xenobiotica** 1984 Jul;14(7):581-8

[Migration of parachloromercuribenzoic acid along the binding sites of hunan oxyhemoglobin] Koniaeva VS, et al. **Biofizika** 1985 Jan-Feb;30(1):13-7 (Eng. Abstr.) **(Rus)**

[Synthesis and properties of an organophosphorous regulator of hemoglobin oxygenation] Ushakova IP, et al. **Bioorg Khim** 1985 Feb;11(2):187-91 (Eng. Abstr.) **(Rus)**

[Oxyhemoglobin oxidation in mice exposed to sodium nitrite and phenylhydrazine (in vitro and in vivo)] Kostenko LKh, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Jan-Feb;(1):141-5 (Eng. Abstr.) **(Rus)**

[Effect of maximum physical exertion on the oxygen transport system of the blood] Ivanov LA, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):69-72 (Eng. Abstr.) **(Rus)**

[Effect of complete fasting on the coagulative and antioxidative properties of blood] Muliar LA, et al. **Vopr Pitan** 1984 Jul-Aug;(4):20-3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Hemoglobin Linköping and physical performance] Lahtinen R, et al. **Duodecim** 1985;101(2):173-8 (Eng. Abstr.) **(Fin)**

[Temperature dependence of the magnetic susceptibility of oxy- and carboxyhemoglobin in the erythrocytes] Piruzian LA, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Nov-Dec; (6):894-900 (Eng. Abstr.) **(Rus)**

OXYMETAZOLINE see under **IMIDAZOLES**

OXYMETHOLONE

THERAPEUTIC USE

Anabolic steroids in aplastic anaemia. Kochupillai V, et al. **Indian J Med Res** 1984 Aug;80:174-9

[Treatment of gynecomastia with oxymetholone and its excretion in urine] Heresová J, et al. **Cesk Pediatr** 1985 Apr;40(4):224-5 (Eng. Abstr.) **(Cze)**

[Hereditary angioneurotic edema: therapeutic aspects] Sastre Castillo A, et al. **Rev Clin Esp** 1984 Dec 15-31; 175(5-6):229-31 **(Spa)**

OXYMORPHONE see under **DIHYDROMORPHINONE**

OXYNEURINE see **BETAINE**

OXYNTIC CELLS see **PARIETAL CELLS, GASTRIC**

OXYPERTINE see under **INDOLES**

OXYPHENBUTAZONE

ADMINISTRATION & DOSAGE

Oxyphenbutazone eye ointment. **Drug Ther Bull** 1984 Nov 5;22(22):88

ADVERSE EFFECTS

Allergic contact dermatitis from oxyphenbutazone. Pigatto PD, et al. **Contact Dermatitis** 1985 Apr;12(4):236-7

Phenylbutazone, oxyphenbutazone labeling revised. **FDA Drug Bull** 1984 Dec;14(3):23-4

Butazones under fire [letter] Herxheimer A, et al. **Lancet** 1985 Mar 9;1(8428):580

Anti-inflammatory drugs under fire. Loshak D. **Lancet** 1985 Feb 16;1(8425):410

ANALYSIS

Spectrophotometric determination of oxyphenbutazone by diazo coupling and subsequent chelation reactions. Belal S, et al. **Analyst** 1985 Feb;110(2):205-8

BLOOD

Plasma and serum concentrations of phenylbutazone and oxyphenbutazone in racing Thoroughbreds 24 hours after treatment with various dosage regimens. Soma LR, et al. **Am J Vet Res** 1985 Apr;46(4):932-8

Population distributions of phenylbutazone and oxyphenbutazone after oral and i.v. dosing in horses. Chay S, et al. **J Vet Pharmacol Ther** 1984 Dec;7(4):265-76

POISONING

[Drug toxicity-induced pulmonary edema (letter)] Baethke R, et al. **Dtsch Med Wochenschr** 1985 Aug 23;110(34):1313 **(Ger)**

URINE

Effects of phenylbutazone and oxyphenbutazone on basic drug detection in high performance thin layer chromatographic systems. Woods WE, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):181-9

OXYPHENCYCLIMINE see under **PYRIMIDINES**

OXYPHENISATIN ACETATE see under **INDOLES**

OXYPHENONIUM BROMIDE see under **AMMONIUM COMPOUNDS**

OXYPROLINE see **HYDROXYPROLINE**

OXYPROTHEPINE see under **DIBENZOTHIEPINS**

OXYPURINOL see under **PYRIMIDINES**

OXYTETRACID see **OXYTETRACYCLINE**

OXYTETRACYCLINE

[Tissue reactions and residues in slaughter cattle after administration of long-acting oxytetracycline formulations] Petzer IM, et al. **J S Afr Vet Assoc** 1984 Sep;55(3):107-11 (Eng. Abstr.) **(Afr)**

ADMINISTRATION & DOSAGE

Effectiveness of various therapeutic regimens for bovine brucellosis. Milward FW, et al. **Am J Vet Res** 1984 Sep; 45(9):1825-8

A comparison of subcutaneous and intraperitoneal oxytetracycline injection methods for control of infectious disease in the rat. Porter WP, et al. **Lab Anim** 1985 Jan; 19(1):3-6

[Treatment of chronic ulcerative-vegetative pyoderma with ericyclin and levamisole] Bukharovich AM, et al. **Vestn Dermatol Venerol** 1985 May;(5):62-4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Fixed drug eruption. Gómez B, et al. **Allergol Immunopathol (Madr)** 1985 Mar-Apr;13(2):87-91

[Reversible Fanconi syndrome induced by inadequately stored oxytetracycline (letter)] Piper C, et al. **Dtsch Med Wochenschr** 1985 Jul 12;110(28-29):1144-5 **(Ger)**

[Systemic anaphylaxis caused by tetracyclines] Sastre Dominguez J, et al. **Rev Clin Esp** 1984 Aug 15-31; 174(3-4):135-6 **(Spa)**

ANALOGS & DERIVATIVES

Meclosorb, a new topical antibiotic agent in the treatment of acne vulgaris: a double-blind clinical study. Hjorth N, et al. **Acta Derm Venereol (Stockh)** 1984;64(4):354-7

Determination of meclocycline, a tetracycline analogue, in cream formulations by liquid chromatography. Depaolis AM, et al. **J Pharm Sci** 1984 Nov;73(11):1650-1

[Double-blind group comparison of topical meclocycline, erythromycin and placebo in the treatment of papulo-pustulosa acne] Rozman TA, et al. **Z Hautkr** 1984 Dec 1;59(23):1623-34 (Eng. Abstr.) **(Ger)**

ANALYSIS

[In vitro study of some factors influencing the diffusion of oxytetracycline chloride from hard gelatin capsules] Mura PA, et al. **Boll Chim Farm** 1984 Jul;123(7):344-51 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

[Characteristics of the process of regulated biosynthesis of oxytetracycline] Bobyleva RI, et al. **Antibiot Med Biotekhnol** 1985 May;30(5):331-4 (Eng. Abstr.) **(Rus)**

BLOOD

[Comparison of blood levels of oxytetracycline in rabbits treated with a long-acting veterinary formulation and a conventional one] Capitani F, et al. **Boll Chim Farm** 1985 Feb;124(2):86-92 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

A classification of in vivo bone labels after double labeling in canine bones. Hori M, et al. **Bone** 1985;6(3):147-54

METABOLISM

Comparative pharmacokinetics of doxycycline and oxytetracycline in patients with hyperlipidemia. Wójcicki J, et al. **Arzneimittelforschung** 1985;35(6):991-3

Studies on the use of a long-acting oxytetracycline in turkeys: serum levels and tissue residues following injection. Skeeles JK, et al. **Avian Dis** 1985 Jan-Mar;29(1):145-9

Antibiotic aerosolization: tissue and plasma oxytetracycline concentrations in turkey poults. Van Alstine WG, et al. **Avian Dis** 1985 Apr-Jun;29(2):430-6

Distribution of oxytetracycline into ocular tissues and tears of calves. George LW, et al. **J Vet Pharmacol Ther** 1985 Mar;8(1):47-54

The effect of citric acid on the availability of tetracyclines in calves. Luthman J, et al. **Nord Vet Med** 1985 Jan-Feb; 37(1):22-6

[Pharmacokinetic behavior of long-acting terramycin in rabbits] Capitani F, et al. **Boll Chim Farm** 1985 Mar; 124(3):131-7 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Effect of dihydrostreptomycin or oxytetracycline on reproductive capacity of bulls. Abbitt B, et al. **Am J Vet Res** 1984 Nov;45(11):2243-6

The effect of oxytetracycline on the fat content and fatty acid composition of the egg yolk. Shaddad SA, et al. **Comp Biochem Physiol [C]** 1985;81(1):223-6

The effect of oxytetracycline on growth and lipid metabolism in poultry. Shaddad SA, et al. **Comp Biochem Physiol [C]** 1985;80(2):375-80

The effects of oxytetracycline on the intestinal Escherichia coli flora of newly weaned pigs. Hinton M, et al. **J Hyg (Lond)** 1985 Aug;95(1):77-85

The effect of halofuginone, Wellcome 993 C, oxytetracycline, and diminazene diaceturate on Babesia equi-infected lymphoblastoid cell cultures. Zweygarth E, et al. **J Parasitol** 1984 Aug;70(4):542-4

The influence of antibiotics on the immune system. II. Modulation of fish leukocyte responses in culture. Grondel JL, et al. **Vet Immunol Immunopathol** 1985 Jul;9(3):251-60

[Effect of tinidazole, pimaricin and oxyteracine on Balantidium coli (M) in vitro] Skotarczak B. **Wiad Parazytol** 1984;30(4):453-7 (Eng. Abstr.) **(Pol)**

[Disturbance of oogonia proliferation when oxytetracycline and 17beta-estradiol are introduced into a culture of human fetal ovary] Kurilo LF, et al. **Akush Ginekol (Mosk)** 1985 Apr;(4):53-5 (Eng. Abstr.) **(Rus)**

POISONING

Oxytetracycline-associated nephrotoxicosis in feedlot calves. Lairmore MD, et al. **J Am Vet Med Assoc** 1984 Oct 1; 185(7):793-5

THERAPEUTIC USE

Treatment of acute ocular Moraxella bovis infections in calves with a parenterally administered long-acting oxytetracycline formulation. Smith JA, et al. **Am J Vet Res** 1985 Apr;46(4):804-7

The elimination of Anaplasma marginale from carrier cattle by treatment with long acting oxytetracycline. Rogers RJ, et al. **Aust Vet J** 1984 Sep;61(9):306

Antibiotic aerosolization: the effect on experimentally induced Alcaligenes rhinotracheitis in turkeys. Van Alstine WG, et al. **Avian Dis** 1985 Jan-Mar;29(1):159-76

A comparison of oxytetracycline and trimethoprim in the treatment of Chlamydia trachomatis urethritis. Nielsen PB, et al. **Infection** 1984 Jul-Aug;12(4):274-5

On the use of oxytetracycline in reducing the incidence of metritis in dairy cows. Moore CW, et al. **J S Afr Vet Assoc** 1984 Jun;55(2):65-9

Treatment of Moraxella bovis infections in calves using a long-acting oxytetracycline formulation. George LW, et al. **J Vet Pharmacol Ther** 1985 Mar;8(1):55-61

Comparison of long acting oxytetracycline and parvaquone in immunisation against East Coast fever by infection and treatment. Dolan TT, et al. **Res Vet Sci** 1984 Sep; 37(2):175-8

Chemoprophylaxis of Anaplasma ovis infection in sheep with a long-acting oxytetracycline. Sharma SP, et al. **Vet Parasitol** 1985 Mar;17(3):255-8

Experimental and clinical trials of long acting oxytetracycline in the treatment of canine ehrlichiosis. Ogunkoya AB, et al. **Vet Q** 1985 Apr;7(2):158-61

Use of a long-acting oxytetracycline preparation in respiratory disease in young beef bulls. Peters AR. **Vet Rec** 1985 Mar 23;116(12):321

TOXICITY

[Gametotoxic action of oxytetracycline on the early antenatal oogenesis of mice in in vivo and in vitro experiments] Ignat'eva EL, et al. **Farmakol Toksikol** 1984 Sep-Oct; 47(5):75-7 (Eng. Abstr.) **(Rus)**

OXYTHIAMINE see under **THIAZOLES**

OXYTOCICS

The effect of vaginal administration of various doses of prostaglandin E2 gel on cervical ripening and induction of labor. Graves GR, et al. **Am J Obstet Gynecol** 1985 Jan 15;151(2):178-81

Relative oxytocic properties of fenprostalene compared with cloprostenol, prostaglandin F2 alpha, and oxytocin in the ovariectomized ewe. Garcia-Villar R, et al. **Am J Vet Res** 1985 Apr;46(4):841-4

Routine induction of farrowing with dinoprost in a commercial sow breeding unit over a year. Young IM, et al. **Vet Rec** 1984 Nov 24;115(21):539-41

[Role of prostaglandins in human fertility] Embrey MP. **Recenti Prog Med** 1985 Jan;76(1):34-47 (54 ref.) (Eng. Abstr.) **(Ita)**

[Use of adrenergic beta receptor blockaders for labor induction] Gerasimovich GI, et al. **Akush Ginekol (Mosk)** 1984 Dec;(12):27-30 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Blood loss and nausea during legal abortion] Carcey J, et al. **Ann Fr Anesth Reanim** 1985;4(3):271-3 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Pulmonary edema during cesarean section related to the use of oxytocic drugs. Heytens L, et al. **Acta Anaesthesiol Belg** 1984 Jun;35(2):155-64

OXYTOCIN

Previous cesarean section: the risks and benefits of oxytocin usage in a trial of labor. Horenstein JM, et al. **Am J Obstet Gynecol** 1985 Mar 1;151(5):564-9

Comparison of intravenous oxytocin and vaginal prostaglandin E2 gel in women with unripe cervixes and premature rupture of the membranes. Ekman-Ordeberg G, et al. **Obstet Gynecol** 1985 Sep;66(3):307-10

ADMINISTRATION & DOSAGE

Induction of labor. A double-blind randomized controlled study of prostaglandin E2 vaginal suppositories compared with intranasal oxytocin and with sequential treatment. Andreasson B, et al. **Acta Obstet Gynecol Scand** 1985; 64(2):157-61

A comparative study of methods of oxytocin administration for induction of labour. Gibb DM, et al. **Br J Obstet Gynaecol** 1985 Jul;92(7):688-92

Water intoxication and oxytocin. Mwambingu FT. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):113

Plasma oxytocin concentrations in man after different routes of administration of synthetic oxytocin. Landgraf R. **Exp Clin Endocrinol** 1985 Apr;85(2):245-8

[Study of labor induction methods in late pregnancy] Li WM. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jan;20(1):15-8, 59 (Eng. Abstr.) **(Chi)**

[Local treatment of post-injection abscesses with a combination of oxytocin and antibiotics] Zak VI, et al. **Khirurgiia (Mosk)** 1985 May;(5):112-5 **(Rus)**

ADVERSE EFFECTS

Oxytocin and neonatal hyperbilirubinemia. Studies of bilirubin production. Johnson JD, et al. **Am J Dis Child** 1984 Nov;138(11):1047-50

Anaphylactoid reaction to oxytocin in pregnancy. Slater RM, et al. **Anaesthesia** 1985 Jul;40(7):655-6

Retinal hemorrhages in the newborn following labor induced by oxytocin or dinoprostone. Schoenfeld A, et al. **Arch Ophthalmol** 1985 Jul;103(7):932-4

Neonatal hyperbilirubinemia in oxytocin augmented labour. Hamad SA, et al. **Asia Oceania J Obstet Gynaecol** 1985 Mar;11(1):69-73

Iatrogenic neonatal and maternal hyponatraemia following oxytocin and aqueous glucose infusion during labour. Singhi S, et al. **Br J Obstet Gynaecol** 1985 Apr;92(4):356-63

Water intoxication and oxytocin [letter] **Br Med J [Clin Res]** 1985 Feb 23;290(6468):637-8

Perinatal outcome following oxytocin administration (a prospective study). Jain S. et al. **Indian Pediatr** 1984 Nov; 21(11):885-90

Effects of oxytocin-induction of labor on neonatal hyperbilirubinemia. Davis GH. **J Am Osteopath Assoc** 1984 Dec;84(4):365-7

Water intoxication and hyponatremic encephalopathy from the use of an oxytocin nasal spray. A case report. Seifer DB, et al. **J Reprod Med** 1985 Mar;30(3):225-8

Oxytocin-induced water intoxication. A case report. Muller FJ, et al. **S Afr Med J** 1985 Aug 31;68(5):340-1

Intrapartum infusion of oxytocin and glucose water and neonatal jaundice. Singhi SC, et al. **West Indian Med J** 1984 Jun;33(2):80-3

ANALOGS & DERIVATIVES

Immunocytochemical studies of vasotocin and mesotocin in the hypothalamo-hypophysial system of the chicken. Tennyson VM, et al. **Cell Tissue Res** 1985;239(2):279-91

Natriuretic properties of [2-p-ethylphenylalanine] deamino-6-carba-oxytocin (Nacartocin) in cats. Skopková J, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):235-8

Conformational preferences and binding to neurophysins of oxytocin analogs with sarcosine or N-methylalanine in position 7. Grzonka Z, et al. **Int J Pept Protein Res** 1985 Apr;25(4):375-81

Pituitary enzyme conversion of putative synthetic oxytocin precursor intermediates. Kanmera T, et al. **J Biol Chem** 1985 Aug 25;260(18):10118-24

Volumetric control of arginine vasotocin and mesotocin release in the frog (Rana ridibunda). Nouwen EJ, et al. **J Endocrinol** 1985 Jun;105(3):371-7

Effect of dehydration, haemorrhage and oviposition on serum concentrations of vasotocin, mesotocin and prolactin in the chicken. Nouwen EJ, et al. **J Endocrinol** 1984 Sep; 102(3):345-51

The effect of a long-acting carba analogue of oxytocin on prostaglandin F2 alpha metabolite levels during the oestrous cycle in swine. Cort N, et al. **Zentralbl Veterinarmed** [A] 1984 Aug;31(7):489-98

[Effective new oxytocin inhibitors in tests on strips of the human uterus in vitro] Břesťák M, et al. **Cesk Gynekol** 1984 Jul;49(6):404-7 (Eng. Abstr.) **(Cze)**

ANALYSIS

Immunocytochemical demonstration of oxytocin in bovine ovarian tissues. Kruip TA, et al. **Acta Endocrinol (Copenh)** 1985 Aug;109(4):537-42

Extrahypothalamic neurohypophysial peptides in the rat central nervous system. Valiquette G, et al. **Brain Res** 1985 Apr 1;331(1):176-9

Subcellular localization of oxytocin in the ovine corpus luteum. Rice GE, et al. **Can J Physiol Pharmacol** 1985 Apr; 63(4):309-14

Granule populations in oxytocin and abnormal perikarya of the supraoptic nucleus of homozygous Brattleboro rats: effects of colchicine administration. Chapman DB, et al. **Cell Tissue Res** 1985;241(2):435-44

Neurohypophyseal hormones as evolutionary tracers: identification of oxytocin, lysine vasopressin, and arginine vasopressin in two South American opossums (Didelphis marsupialis and Philander opossum). Chauvet J, et al. **Gen Comp Endocrinol** 1985 Feb;57(2):320-8

Molecular properties of the oxytocin/bovine neurophysin biosynthetic precursor. Studies using a semisynthetic precursor. Kanmera T, et al. **J Biol Chem** 1985 Jul 15; 260(14):8474-82

Presence of oxytocin and arginine vasopressin in human ovary, oviduct, and follicular fluid. Schaeffer JM, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):970-3

Intragranular colocalization of immunoreactive methionine-enkephalin and oxytocin within the nerve terminals in the posterior pituitary. Adachi T, et al. **J Histochem Cytochem** 1985 Sep;33(9):891-9

The hypothalamic and neurohypophysial oxytocin content as influenced by desmethylimipramine in normal and pinealectomized white male rats. Guzek JW, et al. **J Neural Transm** 1985;62(1-2):125-36

Hormone content and movement of neurosecretory granules in the rat neural lobe during and after dehydration. Nordmann JJ. **Neuroendocrinology** 1985 Jan;40(1):25-32

Hypothalamic oxytocin: a cerebrovascular modulator in man? Abrams GM, et al. **Neurology** 1985 Jul;35(7):1046-9

Chronic arthritis in the rat: differential changes in discrete brain pools of vasopressin as compared to oxytocin. Millan MJ, et al. **Neurosci Lett** 1985 Feb 28;54(1):33-7

Vasopressin and oxytocin in the rat spinal cord: distribution and origins in comparison to [Met]enkephalin, dynorphin and related opioids and their irresponsiveness to stimuli modulating neurohypophyseal secretion. Millan MJ, et al. **Neuroscience** 1984 Sep;13(1):179-87

ANTAGONISTS & INHIBITORS

Use of tocolytic drugs to reverse oxytocin-induced uterine hypertonus and fetal distress. Lipshitz J, et al. **Obstet Gynecol** 1985 Sep;66(3 Suppl):16S-18S

[Effective new oxytocin inhibitors in tests on strips of the human uterus in vitro] Břesťák M, et al. **Cesk Gynekol** 1984 Jul;49(6):404-7 (Eng. Abstr.) **(Cze)**

BIOSYNTHESIS

Pituitary enzyme conversion of putative synthetic oxytocin precursor intermediates. Kanmera T, et al. **J Biol Chem** 1985 Aug 25;260(18):10118-24

BLOOD

Cervical ripening with intracervical prostaglandin-E2 gel. I. Clinical results and effect on plasma levels of oxytocin and 13,14-dihydro,15-ketoprostaglandin-F2 alpha. Fuchs AR, et al. **Am J Perinatol** 1983 Oct;1(1):64-9

Differences in human plasma oxytocin, prostaglandin E1, E2 and F2 alpha levels between spontaneous and amniotomy-induced labors. Nagata I, et al. **Asia Oceania J Obstet Gynaecol** 1984 Dec;10(4):513-20

Vasoactive intestinal peptide (VIP) stimulates oxytocin and vasopressin release from the neurohypophyis. Ottesen B, et al. **Endocrinology** 1984 Oct;115(4):1648-50

A new method for sequential extraction of oxytocin and antidiuretic hormone for radioimmunoassay. Sequeira RP, et al. **Indian J Exp Biol** 1984 Apr;22(4):215-9

A novel oxytocin-like and vasotocin-like peptide in human plasma after administration of estrogen. Amico JA, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):5-12

High pressure liquid chromatographic separation of an oxytocin/arginine vasotocin-like peptide from the plasma of patients with chronic renal failure. Amico JA, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):644-50

Effects of duration of udder stimulation on milking dynamics and oxytocin release. Gorewit RC, et al. **J Dairy Sci** 1985 Jul;68(7):1813-8

Activity of the genital tract and plasma levels of oxytocin and cortisol at the time of mating in the ewe. Garcia-Villar R, et al. **J Endocrinol** 1985 Jun;105(3):323-9

Oxytocin and vasopressin in rat hypophysial portal blood: experimental studies in normal and Brattleboro rats. Horn AM, et al. **J Endocrinol** 1985 Feb;104(2):211-24

Simultaneous radioimmunoassay for plasma arginine-vasopressin and oxytocin using DEAE Sephadex A 25 extraction. Chiodera P, et al. **J Endocrinol Invest** 1984 Aug;7(4):287-93

Plasma oxytocin in human pregnancy and parturition. de Geest K, et al. **J Perinat Med** 1985;13(1):3-13 (51 ref.)

Behavioral stress decreases plasma oxytocin concentrations in primates. Kalin NH, et al. **Life Sci** 1985 Apr 1; 36(13):1275-80

Cyclic variation of oxytocin in the blood of pituitary portal vessels of rats. Sarkar DK, et al. **Neuroendocrinology** 1984 Nov;39(5):481-3

Effect of PGF2 alpha administration on the release of endogenous PGF2 alpha and oxytocin in indomethacin-treated goats. Homeida AM, et al. **Res Vet Sci** 1985 Jul;39(1):66-9

[Premature membrane rupture: effect of intracervical PGE2 gel administration on plasma oxytocin, PGFM and PGEM levels in mother and child] Goeschen K, et al. **Geburtshilfe Frauenheilkd** 1984 Dec;44(12):772-6 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

Neurohypophysial hormones in cerebrospinal fluid of adults: absence of arginine vasotocin and of a diurnal rhythm of arginine vasopressin. Amico JA, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):794-8

Osmotic mechanisms regulating cerebrospinal fluid vasopressin and oxytocin in the conscious rat. Morris M, et al. **Neuroendocrinology** 1984 Nov;39(5):377-83

Vasopressin--oxytocin in cerebrospinal fluid of schizophrenic patients and normal controls. Beckmann H, et al. **Psychoneuroendocrinology** 1985;10(2):187–91

DIAGNOSTIC USE

Significance of fetal deceleration during antepartum heart rate testing [letter] Mazor M, et al. **Am J Obstet Gynecol** 1985 Jan 1;151(1):146–7

Oxytocin challenge test as an out patient procedure. Sellappan S, et al. **Br J Clin Pract** 1984 Jul–Aug; 38(7–8):255–8

GENETICS

The gene for the hypothalamic peptide hormone oxytocin is highly expressed in the bovine corpus luteum: biosynthesis, structure and sequence analysis. Ivell R, et al. **EMBO J** 1984 Oct;3(10):2351–4

The human vasopressin gene is linked to the oxytocin gene and is selectively expressed in a cultured lung cancer cell line. Sausville E, et al. **J Biol Chem** 1985 Aug 25; 260(18):10236–41

IMMUNOLOGY

Central modulation of immunoreactive arginine vasopressin and oxytocin secretion into the hypophysial-portal circulation by corticotropin-releasing factor. Plotsky PM, et al. **Endocrinology** 1985 Apr;116(4):1669–71

Suppression of prostaglandin F-2 alpha release and delay of luteolysis after active immunization against oxytocin in the goat. Cooke RG, et al. **J Reprod Fertil** 1985 Sep; 75(1):63–8

Immunochemical recognition of oxytocin by antiserum to L-prolyl-leucyl-glycine amide. Watkins WB, et al. **Neurosci Lett** 1985 Mar 15;54(2–3):283–8

METABOLISM

Oxytocin determination in steroid producing tissues and in vitro production in ovarian follicles. Schams D, et al. **Acta Endocrinol (Copenh)** 1985 Aug;109(4):530–6

Oxytocin augmentation of dysfunctional labor. IV. Oxytocin pharmacokinetics. Seitchik J, et al. **Am J Obstet Gynecol** 1984 Oct 1;150(3):225–8

Immunohistochemical evidence against the coexistence of a corticotropin-releasing factor and oxytocin or vasopressin in the rat paraventricular nucleus. Taniguchi Y **Arch Histol Jpn** 1984 Nov;47(5):475–83

Salt-dependent structural changes of neurohormones: lithium ions induce conformational rearrangements of ocytocin to a vasopressin-like structure. Rholam M, et al. **Biochemistry** 1985 Jun 18;24(13):3345–9

Plasticity of vasopressin- and oxytocin-containing fibers in the median eminence in hypophysectomized young and old mice. Kawamoto K, et al. **Brain Res** 1985 Mar 18; 330(1):189–93

Acute morphine treatment and morphine tolerance/dependence alter immunoreactive oxytocin levels in the mouse hippocampus. Kovacs GL, et al. **Brain Res** 1985 Feb 25;328(1):158–60

Ultrastructural evidence of direct synaptic contact of catecholamine terminals with oxytocin-containing neurons in the parvocellular portion of the rat hypothalamic paraventricular nucleus. Yamano M, et al. **Brain Res** 1985 Jun 10;336(1):176–9

Immunocytochemical evidence for the presence of oxytocin in rat testis. Guldenaar SE, et al. **Cell Tissue Res** 1985; 240(2):485–7

Immunocytochemical evidence for the presence of oxytocin and neurophysin in the large cells of the bovine corpus luteum. Guldenaar SE, et al. **Cell Tissue Res** 1984; 237(2):349–52

On the blood-brain barrier to peptides: accumulation of labelled vasopressin, DesGlyNH2-vasopressin and oxytocin by brain regions. Ermisch A, et al. **Endocrinol Exp (Bratisl)** 1985 Mar;19(1):29–37

Distribution of vasopressin and oxytocin in rat brain. Hashimoto H, et al. **Endocrinol Jpn** 1985 Feb;32(1):89–97

Immunohistochemical study on oxytocin-like substance in the human placenta. Nakazawa K, et al. **Endocrinol Jpn** 1984 Dec;31(6):763–8

The hypothalamic and neurohypophysial oxytocic activities in stressed rats: independence from beta-adrenergic blockade. Guzek JW, et al. **Exp Clin Endocrinol** 1984 Dec; 84(3):331–7

Use of three specific radioimmunoassays in measuring neurohypophysial hormone content and plasma concentrations of vasopressin, oxytocin and DDAVP in rats after prolonged infusion of DDAVP. Lundin S, et al. **Experientia** 1985 Jul 15;41(7):933–5

Oxytocin in the cerebrospinal fluid and plasma of pregnant and nonpregnant subjects. Takagi T, et al. **Horm Metab Res** 1985 Jun;17(6):308–10

A combined electron microscopic HRP and immunocytochemical study of the limbic projections to rat hypothalamic nuclei containing vasopressin and oxytocin neurons. Oldfield BJ, et al. **J Comp Neurol** 1985 Jan 8; 231(2):221–31

Oxytocin and vasopressin in the rat do not readily pass from the mother to the amniotic fluid in late pregnancy. Oosterbaan HP, et al. **J Dev Physiol** 1985 Feb;7(1):55–62

Endocrine control of uterine oxytocin receptors in the ewe. Sheldrick EL, et al. **J Endocrinol** 1985 Aug;106(2):249–58

Neurophysin in the hypothalamo-neurohypophysial system. II. Immunocytochemical studies of the ontogeny of oxytocinergic and vasopressinergic neurons. Whitnall MH, et al. **J Neurosci** 1985 Jan;5(1):98–109

Investigation of drug-receptor interactions by means of irreversible receptor inhibitors: binding of oxytocin and angiotensin II to their receptors in rat uterus. Pliška V. **J Recept Res** 1984;4(1–6):371–83

Oxytocin-immunoreactive terminals synapse on oxytocin neurones in the supraoptic nucleus. Theodosis DT. **Nature** 1985 Feb 21–27;313(6004):682–4

Differential effects of various opioid peptides on vasopressin and oxytocin release from the rat pituitary in vitro. Maysinger D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):191–5

Comparative immunoelectron microscopic localization of corticotropin-releasing factor (CRF-41) and oxytocin in the rat median eminence. Dreyfuss F, et al. **Neuroendocrinology** 1984 Sep;39(3):284–7

Substance P, enkephalins, somatostatin, cholecystokinin, oxytocin, and vasopressin in human spinal cord. Schoenen J, et al. **Neurology** 1985 Jun;35(6):881–90

Localization of chromatographically characterized oxytocin and arginine-vasopressin to sensory neurones in the rat. Kai-Kai MA, et al. **Neurosci Lett** 1985 Mar 22;55(1):83–8

Biological half-life of oxytocin in the goat. Homeida AM, et al. **Res Vet Sci** 1984 Nov;37(3):364–5

[Demonstration of a different localization of perikarya immunoreactive to oxytocin and vasopressin in the cat hypothalamus] Luppi PH, et al. **C R Acad Sci [III]** 1984; 299(17):703–8 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effect of naloxone on oxytocin-induced cortisol decrease in normal men. Coiro V, et al. **Acta Endocrinol (Copenh)** 1985 Feb;108(2):261–5

Oxytocin can affect follicular development in the adult mouse. Robinson G, et al. **Acta Endocrinol (Copenh)** 1985 Feb;108(2):273–6

Oxytocin and cervical connective tissue. Wiqvist I, et al. **Acta Physiol Hung** 1985;65(3):323–6

The effects of neurohypophyseal hormones on tolerance to the hypothermic effect of ethanol. Szabo G, et al. **Alcohol** 1985 Jul–Aug;2(4):567–74

Relative oxytocic properties of fenprostalene compared with cloprostenol, prostaglandin F2 alpha, and oxytocin in the ovariectomized ewe. Garcia-Villar R, et al. **Am J Vet Res** 1985 Apr;46(4):841–4

Oxytocin: anti-insulin-like effects in isolated fat cells. Stephenson FA, et al. **Arch Biochem Biophys** 1984 Oct; 234(1):230–4

Anti-insulin-like (diabetogenic) peptides in pituitary extracts: role of oxytocin. Stephenson FA, et al. **Arch Biochem Biophys** 1984 Oct;234(1):214–29

Effects of oxytocin and prostaglandin F2 alpha on pregnant human myometrium recorded by the single sucrose-gap method—comparison of an in vitro experiment and an in vivo trial. Kawarabayashi T, et al. **Asia Oceania J Obstet Gynaecol** 1985 Jun;11(2):247–53

Effects of oxytocin and a derivative (Z-prolyl-D-leucine) on morphine tolerance/withdrawal are mediated by the limbic system. Kovacs GL, et al. **Behav Brain Res** 1984 Oct;14(1):1–8

Hyperbilirubinaemia in neonatal rats after oxytocin or prostaglandin F2 alpha treatment of pregnant rats. Hollingsworth M, et al. **Biol Neonate** 1985;47(5):288–94

Oxytocin contracts the human uterus at term by inhibiting the myometrial Ca2+-extrusion pump. Popescu LM, et al. **Biosci Rep** 1985 Jan;5(1):21–8

The response of non-pregnant rat myometrium to oxytocin in Ca-free solution. Ashoori F, et al. **Br J Pharmacol** 1985 Jan;84(1):175–83

Contrasting effects of neurohypophysial peptides on pyramidal and non-pyramidal neurones in the rat hippocampus. Mühlethaler M, et al. **Brain Res** 1984 Aug 6;308(1):97–107

Effects of oxytocin and vasopressin on thoracic sympathetic preganglionic neurones in the cat. Backman SB, et al. **Brain Res Bull** 1984 Nov;13(5):679–84

Iontophoretic application of angiotensin II, vasopressin and oxytocin in the region of the anterior hypothalamus in the rat. Thornton SN, et al. **Brain Res Bull** 1985 Mar; 14(3):211–5

Relation between fetal arterial PO2 and oxytocin-induced uterine contractions in pregnant sheep. Lye SJ, et al. **Can J Physiol Pharmacol** 1984 Oct;62(10):1337–40

Evidence for oxytocin receptors in the urinary bladder of the rabbit. Romine MT, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):287–91

Differential effects of vasopressin (AVP) and oxytocin (OXT) on the baroreceptor reflex in conscious rats. Petty MA, et al. **Clin Exp Hypertens [A]** 1984;6(10–11):1943–6

The cardiovascular effects of oxytocin in conscious male rats. Petty MA, et al. **Eur J Pharmacol** 1985 Jun 7;112(2):203–10

Lack of beta-endorphin plasma level rise in oxytocin-induced labor. Genazzani AR, et al. **Gynecol Obstet Invest** 1985;19(3):130–4

Oxytocin improves male copulatory performance in rats. Arletti R, et al. **Horm Behav** 1985 Mar;19(1):14–20

Oxytocin induction of short-latency maternal behavior in nulliparous, estrogen-primed female rats. Fahrbach SE, et al. **Horm Behav** 1984 Sep;18(3):267–86

Effect of pharmacological doses of oxytocin on insulin response to glucose in normal man. Chiodera P, et al. **Horm Res** 1984;20(2):150–4

Effects of oxytocin, vasotocin and alpha-MSH on renal function in the nonhuman primate. Wesley CR, et al. **Horm Res** 1985;21(1):55–9

Inhibition of bovine luteal function by indomethacin. Milvae RA, et al. **J Anim Sci** 1985 Feb;60(2):528–31

Oxytocin does not influence adrenocorticotropin secretion in man. Lewis DA, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):53–6

Effect of ACTH and oxytocin treatment on lactoferrin and citrate in cows' milk. Thomas AS, et al. **J Dairy Res** 1985 Aug;52(3):379–89

Effects of exogenous oxytocin on production and milking variables of cows. Gorewit RC, et al. **J Dairy Sci** 1984 Sep;67(9):2050–4

Acute inhibition of rat myometrial responses to oxytocin by tamoxifen stereoisomers and oestradiol. Lipton A, et al. **J Endocrinol** 1984 Dec;103(3):383–8

Lack of direct inhibitory action of oxytocin on progesterone production by dispersed cells from human corpus luteum. Richardson MC, et al. **J Endocrinol** 1985 Jan;104(1):149–51

Effects of chlorbutol on 45Ca movements and contractile responses of rat aorta and its relevance to the actions of Syntocinon. Barrigon S, et al. **J Pharm Pharmacol** 1984 Aug;36(8):521–6

The mouse anococcygeus muscle as a preparation for the bioassay of oxytocin. Botting JH, et al. **J Pharm Pharmacol** 1985 May;37(5):348–9

Oxytocin is luteolytic in the rhesus monkey (Macaca mulatta). Auletta FJ, et al. **J Reprod Fertil** 1984 Nov;72(2):401–6

The effect of oxytocin on the myometrium of the sow during experimentally induced hypocalcaemia. Ayliffe TR, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):211–4

Oxytocin reduces intravenous heroin self-administration in heroin-tolerant rats. Kovacs GL, et al. **Life Sci** 1985 Jul 8;37(1):17–26

Oxytocin attenuates TRH-induced TSH release from rat pituitary cells. Frawley LS, et al. **Neuroendocrinology** 1985 Mar;40(3):201–4

Oxytocin stimulates lordosis behavior in female rats. Arletti R, et al. **Neuropeptides** 1985 Jun;6(3):247–53

Oxytocin and a C-terminal derivative (Z-prolyl-D-leucine) attenuate tolerance to and dependence on morphine and interact with dopaminergic neurotransmission in the mouse brain. Kovacs GL, et al. **Neuropharmacology** 1985 May; 24(5):413–9

Oxytocin affects utilization of noradrenaline in distinct limbic-forebrain regions of the rat brain. van Heuven-Nolsen D, et al. **Neuropharmacology** 1984 Dec; 23(12A):1373–7

The effects of oxytocin and vasotocin analogues on the responses of rat brainstem neurones to oxytocin. Morris R, et al. **Neurosci Lett** 1984 Jul 27;48(2):161–6

Choice, as opposed to latency, measures in avoidance suggest that vasopressin and oxytocin do not affect memory in rats. Sahgal A, et al. **Neurosci Lett** 1984 Aug 10;48(3):299–304

Fetal heart rate decelerations after oxytocin infusion in an abdominal pregnancy. Cabbad MF, et al. **Obstet Gynecol** 1985 Sep;66(3 Suppl):2S–4S

The effect of oxytocin and fragment (MIF-I) on the development of tolerance to hypothermic and hypnotic action of ethanol in the rat. Puciłowski O, et al. **Peptides (Fayetteville)** 1985 Jan–Feb;6(1):7–10

Oxytocin stimulates glucose oxidation in rat thymocytes. Goren HJ, et al. **Proc West Pharmacol Soc** 1984;27:461–3

Human memory and neurohypophyseal hormones: opposite effects of vasopressin and oxytocin. Fehm-Wolfsdorf G, et al. **Psychoneuroendocrinology** 1984;9(3):285–92

Oxytocin diminishes heroin tolerance in mice. Kovacs GL, et al. **Psychopharmacology (Berlin)** 1985;86(3):377–9

Oxytocin and glucose oxidation in the rat uterus. Okabe T, et al. **Regul Pept** 1985 Apr;10(4):269–79

[Clinical analysis of augmentation of labor in 423 cases] Dong JH. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jan;20(1):22–4, 60 (Eng. Abstr.) **(Chi)**

[Efficiency of labor induction with oxytocin in late pregnancy] Mi RR. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jan;20(1):19–21, 59 (Eng. Abstr.) **(Chi)**

[Preliminary review of induction and augmentation of labor with oxytocin] Xing SJ. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jan;20(1):25–7, 60 (Eng. Abstr.) **(Chi)**

[Deformability of erythrocytes from the umbilical cord of newborn infants after the administration of oxytocin in vitro] Tomasek J, et al. **Cesk Gynekol** 1985 Mar;50(2):84–7 (Eng. Abstr.) **(Cze)**

[Dynamic tests for monitoring fetal cardiac rhythm] Beguin F, et al. **Rev Fr Gynecol Obstet** 1985 Jul;80(7):525–8 (Eng. Abstr.) **(Fre)**

[Effect of oxytocin on renin activity and aldosterone concentration in plasma as well as blood pressure in late pregnancy and early puerperium] Niesert S, et al. **Zentralbl Gynakol** 1985;107(9):561–7 (Eng. Abstr.) **(Ger)**

[Steroid levels and myometrial sensitivity to oxytocin] Ogawa K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Aug; 36(8):1203–12 (Eng. Abstr.) **(Jpn)**

[Effect of ketamine on uterine contraction after administration of oxytocin] Opacki W. **Wiad Lek** 1985 Jan 15;38(2):102–8 (Eng. Abstr.) **(Pol)**

[Characteristics of the oxytocin-reactive neurons of the limbic structures in the rat brain] Rasulov MM, et al. **Farmakol Toksikol** 1984 Nov-Dec;47(6):32-6 (Eng. Abstr.) **(Rus)**

[Effect of vasopressin and oxytocin on the spontaneous activity of dorsal horn cells of the isolated spinal cord of the rat pup] Tamarova ZA. **Neirofiziologiia** 1985; 17(3):314-20 (Eng. Abstr.) **(Rus)**

[Effect of oxytocin on the activity of posterior hypothalamic neurons in the rat] Rasulov MM, et al. **Zh Vyssh Nerv Deiat** 1984 Nov-Dec;34(6):1144-8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hypothalamic neuropeptides and memory. van Wimersma Greidanus TB, et al. **Acta Neurochir (Wien)** 1985; 75(1-4):99-105

Uterine contractile effect of an oxytocin-like substance in the human placenta. Nakazawa K, et al. **Asia Oceania J Obstet Gynaecol** 1984 Sep;10(3):393-7

Vasopressin and oxytocin in the rat spinal cord: analysis of their role in the control of nociception. Millan MJ, et al. **Brain Res** 1984 Sep 10;309(2):384-8

Effect of microelectrophoretically applied acetylcholine, noradrenaline, dopamine and serotonin on the discharge of paraventricular oxytocinergic neurones in the rat. Honda K, et al. **Endocrinol Jpn** 1985 Feb;32(1):127-33

The influence of prostaglandin E2 and oxytocin on the incorporation of [3H]proline and [3H]glucosamine in the human amnion. Tjugum J, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Mar;19(3):137-43

Pain threshold changes in rats following central injection of beta-endorphin, met-enkephalin, vasopressin or oxytocin antisera. Bodnar RJ, et al. **Int J Neurosci** 1984 Oct;24(2):149-60

Regulation of lymphokine production by arginine vasopressin and oxytocin: modulation of lymphocyte function by neurohypophyseal hormones. Johnson HM, et al. **J Immunol** 1985 Aug;135(2 Suppl):773s-775s

Possible role for endogenous oxytocin in estrogen-facilitated maternal behavior in rats. Fahrbach SE, et al. **Neuroendocrinology** 1985 Jun;40(6):526-32

Oxytocin antiserum delays onset of ovarian steroid-induced maternal behavior. Pedersen CA, et al. **Neuropeptides** 1985 Apr;6(2):175-82

[Stimulatory control by oxytocin (or an analog peptide) of the pituitary intermediate lobe in rabbits. Inhibitory role of serotonin] Schimchowitsch S, et al. **C R Acad Sci [III]** 1985;300(7):283-6 (Eng. Abstr.) **(Fre)**

[The importance of oxytocin and prostaglandins to the mechanism of labor in humans] Husslein P. **Wien Klin Wochenschr [Suppl]** 1984;155:1-32 (243 ref.) (Eng. Abstr.) **(Ger)**

[Metabolic effect of neurohypophyseal hormones] Abel'son IuO. **Usp Fiziol Nauk** 1985 Apr-Jun;16(2):33-60 (150 ref.) **(Rus)**

SECRETION

Afferent renal nerve stimulation excites supraoptic vasopressin neurons. Day TA, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):R368-71

A comparison of analgesia and suppression of oxytocin release by opiates. Clarke G, et al. **Br J Pharmacol** 1984 Nov;83(3):799-806

Estrogen excites oxytocinergic, but not vasopressinergic cells in the paraventricular nucleus of female rat hypothalamus. Akaishi T, et al. **Brain Res** 1985 Jun 3;335(2):302-5

Differential effects of naloxone on the release of neurohypophysial hormones in normotensive and spontaneously hypertensive rats. Rosella-Dampman LM, et al. **Brain Res** 1985 Jan 28;325(1-2):205-14

A functional role for opioid peptides in the differential secretion of vasopressin and oxytocin. Summy-Long JY, et al. **Brain Res** 1984 Sep 10;309(2):362-6

Oxytocin release induced by melatonin in the ewe. Ross MG, et al. **Dev Pharmacol Ther** 1985;8(4):254-9

Involvement of eicosanoids in release of oxytocin and vasopressin from the neural lobe of the rat pituitary. Negro-Vilar A, et al. **Endocrinology** 1985 Jun; 116(6):2663-8

Synchronization of oxytocin cells in the hypothalamic paraventricular and supraoptic nuclei in suckled rats: direct proof with paired extracellular recordings. Belin V, et al. **Exp Brain Res** 1984;57(1):201-3

Lack of response in the release of oxytocin and vasopressin from isolated neurohypophyses to dopamine, met-enkephalin and leu-enkephalin. Pitzel L, et al. **Exp Brain Res** 1984;56(2):221-6

Release of oxytocin during suckling and parturition in the rat. Higuchi T, et al. **J Endocrinol** 1985 Jun;105(3):339-46

Secretion of oxytocin and milk removal as affected by milking cows with and without manual stimulation. Mayer H, et al. **J Endocrinol** 1984 Dec;103(3):355-61

Oxytocin secretion during milking in dairy cows with regard to the variation and importance of a threshold level for milk removal. Schams D, et al. **J Endocrinol** 1984 Sep; 102(3):337-43

Evidence for the secretion of immunoreactive neurophysin I in addition to oxytocin from the ovary in cattle. Schams D, et al. **J Reprod Fertil** 1985 Jan;73(1):165-71

Naloxone-induced dissociation of oxytocin and prolactin releases. Samson WK, et al. **Neuroendocrinology** 1985 Jan; 40(1):68-71

Inhibition of oxytocin secretion by mu and delta receptor selective enkephalin analogues. Wright DM, et al. **Neuropeptides** 1984 Dec;5(1-3):273-6

[Reactions of oxytocin- and vasopressinergic cells of the hypothalamic supraoptic and paraventricular nuclei in the rat to repeated administrations of thyroliberin] Krasnovskaia IA. **Biull Eksp Biol Med** 1984 Nov; 98(11):518-20 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effect of oxytocin infusion during labor: indocyanin green elimination and serum bilirubin levels. Dvorácsek E, et al. **Acta Physiol Hung** 1985;65(3):289-94

Oxytocin augmentation of dysfunctional labor. V. An alternative oxytocin regimen. Seitchik J, et al. **Am J Obstet Gynecol** 1985 Mar 15;151(6):757-61

[Parenteral treatment of placental retention in cows] Varadin M, et al. **Schweiz Arch Tierheilkd** 1985 Apr;127(4):279-89 (Eng. Abstr.) **(Ger)**

[Stimulation of uterine contraction in fetal death] Gurtovoi BL, et al. **Akush Ginekol (Mosk)** 1984 Oct;(10):65-7 (Eng. Abstr.) **(Rus)**

OXYTOCINASE see under **AMINOPEPTIDASES**

OXYURIASIS

Enterobius vermicularis in an ectopic site—perianal abscess. Corea RT. **Ceylon Med J** 1983 Dec;28(4):255-6

[A case report of anogenital oxyuriasis] Tokin S, et al. **Med Pregl** 1984;37(3-4):143-4 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Perianal abscess due to Enterobius vermicularis. Report of a case. Mortensen NJ, et al. **Dis Colon Rectum** 1984 Oct; 27(10):677-8

[Scrotal granuloma caused by Enterobius] Utis RA, et al. **Khirurgiia (Mosk)** 1984 Dec;(12):132-3 **(Rus)**

DIAGNOSIS

[Effect of hymenolepiasis and enterobiasis on the course of viral (infectious) hepatitis in children] Magdieva SR, et al. **Med Parazitol (Mosk)** 1984 Sep-Oct;(5):31-5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Albendazole in the treatment of intestinal helminthiasis in children. Misra PK, et al. **Curr Med Res Opin** 1985; 9(8):516-9

A comparative evaluation of mebendazole, piperazine and pyrantel in threadworm infection. Anthelmintic Study Group on Enterobiasis. **Indian Pediatr** 1984 Aug; 21(8):623-8

OCCURRENCE

[Results of repeated examinations of contingents of children for enterobiasis and the correction factors for single examination indices] Lysenko AIa, et al. **Med Parazitol (Mosk)** 1984 Nov-Dec;(6):34-9 **(Rus)**

[Findings of intestinal helminths in the high-mountain region in the area of Savnik] Radović M, et al. **Glas Srp Akad Nauka [Med]** 1984;(36):17-21 **(Scc)**

PARASITOLOGY

Omental oxyuriasis: case report. Reyes CV, et al. **Milit Med** 1984 Dec;149(12):682-3

PREVENTION & CONTROL

[Experience in controlling enterobiasis in the preschool institutions of Erevan] Petrosian NA, et al. **Med Parazitol (Mosk)** 1984 Jul-Aug;(4):82-4 (Eng. Abstr.) **(Rus)**

TRANSMISSION

[Role of ice cream in cones in the epidemiology of enterobiasis] Pankov NV. **Gig Sanit** 1985 Jun;(6):72-3 **(Rus)**

VETERINARY

[Proposal for the treatment of Syphacia muris infection in the laboratory rat with the agent pyrvinium pamoate] Veletzky S, et al. **Zentralbl Veterinarmed [B]** 1985 Feb; 32(2):149-53 (Eng. Abstr.) **(Ger)**

OXYURIS VERMICULARIS see **ENTEROBIUS**

OXYUROIDEA

ANATOMY & HISTOLOGY

First record of Aspiculuris tetraptera (Nitzsch, 1821) (Nematoda : Oxyuroidea) and Dollfusentis chandleri (Golvan, 1969) (Acanthocephala : Illiosentidae) in Haemulon sciurus (Shaw 1803) (Pisces : Pomadasyidae). Kohn A, et al. **Ann Parasitol Hum Comp** 1984;59(5):477-82

[Traumatic insemination of Oxyuroidea of dermoptera and leporidae. Comparative morphological study. Considerations about phylogenesis] Hugot JP. **Ann Parasitol Hum Comp** 1984;59(4):379-85 (Eng. Abstr.) **(Fre)**

GENETICS

[Haplodiploidy of Oxyurida. Effects of this phenomenon in the life cycle] Adamson ML. **Ann Parasitol Hum Comp** 1984;59(4):387-413 (Eng. Abstr.) **(Fre)**

OYSTERS

An epidemic of hepatitis A related to ingestion of raw oysters. Fujiyama S, et al. **Gastroenterol Jpn** 1985 Feb;20(1):6-13

ANALYSIS

[Studies on the extraction of Chinese mineral and seashell drugs] Cui WJ. **Chung Yao Tung Pao** 1984 May;9(3):130-2 **(Chi)**

[Demonstration of silver and lead contamination of oysters (Crassostrea gigas) and mussels (Mytilus edulis) in French coastal waters. Microanalytical study by secondary ion emission] Chassard-Bouchaud C, et al. **C R Acad Sci [III]** 1985;300(1):3-8 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

[Crassostrea angulata (Lamarck, 1819), synonym of Crassostrea gigas (Thunberg, 1793): morphological and genetic studies] Biocca E, et al. **Parassitologia** 1982 Dec; 24(2-3):211-22 **(Fre)**

IMMUNOLOGY

A lectin on the hemocyte membrane of the oyster (Crassostrea virginica). Vasta GR, et al. **Cell Immunol** 1984 Oct 15;88(2):475-88

METABOLISM

Uptake, elimination, and metabolism of 14C-picric acid and 14C-picramic acid in the American oyster (Crassostrea virginica). Burton DT, et al. **Arch Environ Contam Toxicol** 1984 Nov;13(6):653-63

Simultaneous accumulations of naphthalene, a PCB mixture, and benzo(a)pyrene, by the oyster, Crassostrea virginica. Fortner AR, et al. **Bull Environ Contam Toxicol** 1985 Feb; 34(2):256-64

Impact of trichloroethylene contaminated groundwater discharged to the main canal and Indian River lagoon, Vero Beach, Florida. Wang T, et al. **Bull Environ Contam Toxicol** 1985 Apr;34(4):578-86

The role of digestion in the black sea bass, Centropristis striata, on the chemical speciation of organically bound cadmium. Fair PH, et al. **Comp Biochem Physiol [C]** 1984; 79(2):265-70

MICROBIOLOGY

Effects of water temperature and salinity on elimination of Salmonella charity and Escherichia coli from Sydney rock oysters (Crassostrea commercialis). Rowse AJ, et al. **Appl Environ Microbiol** 1984 Nov;48(5):1061-3

Transmission of non O group 1 Vibrio cholerae by raw oyster consumption. Piergentili P, et al. **Int J Epidemiol** 1984 Sep; 13(3):340-3

Bacteria in bivalve shellfish with special reference to the oyster. Kueh CS, et al. **J Appl Bacteriol** 1985 Jul;59(1):41-7

OZENA see **RHINITIS, ATROPHIC**

OZONE

Inactivation of Giardia lamblia cysts with ozone. Wickramanayake GB, et al. **Appl Environ Microbiol** 1984 Sep;48(3):671-2

Mode of degradation of plasmid DNA with ozone. Sawadaishi K, et al. **Nucleic Acids Symp Ser** 1984; (15):151-4

[Hygienic evaluation of air deozonization] Dmitriev MT, et al. **Gig Sanit** 1985 Feb;(2):12-4 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the method of ozonization used for detoxication of aqueous solutions of urea derivatives] Tsiprian VI, et al. **Gig Sanit** 1985 Feb;(2):83-5 **(Rus)**

ADVERSE EFFECTS

Ozone response relationships in healthy nonsmokers. Kulle TJ, et al. **Am Rev Respir Dis** 1985 Jul;132(1):36-41

Comparative respiratory effects of ozone and ambient oxidant pollution exposure during heavy exercise. Avol EL, et al. **J Air Pollut Control Assoc** 1984 Aug;34(8):804-9

An anti-inflammatory drug (BW755C) inhibits airway hyperresponsiveness induced by ozone in dogs. Fabbri LM, et al. **J Allergy Clin Immunol** 1985 Aug;76(2 Pt 1):162-6

Ozone and photochemical pollutants. Status after 25 years. Speizer FE. **West J Med** 1985 Mar;142(3):377-9

ANALYSIS

Spectrophotometric determination of ozone in air with indigo disulphonate. Bergshoeff G, et al. **Analyst** 1984 Sep; 109(9):1165-9

Impact of chlorine, chlorine dioxide and ozone on the oxidation of NTA during drinking water treatment. Hrubec

J, et al. **Bull Environ Contam Toxicol** 1984 Nov; 33(5):548–55

Personal dosimeter for ozone using the ozonolysis of trans-stilbene. Sawatari K. **Ind Health** 1984;22(2):117–26

[Procedure and results of ozone emission measurements in Berlin (West)] Eickeler E. **Schriftenr Ver Wasser Boden Lufthyg** 1984;59:67–76 **(Ger)**

[Intrapulmonary reactions of workers exposed to dust and ozone] Tsunoda T, et al. **Sangyo Igaku** 1984 Jan;26(1):53–67 (Eng. Abstr.) **(Jpn)**

[Hygienic evaluation of local atmospheric pollution with ozone] Dmitriev MT, et al. **Gig Sanit** 1984 Jul;(7):72–3 **(Rus)**

[Determination of ozone in public buildings, medico-preventive facilities and community facilities] Panin KP. **Gig Sanit** 1984 Oct;(10):59–60 **(Rus)**

IMMUNOLOGY

[Formation of a protective cellular reaction of the respiratory tract after combined exposure to silicon dioxide and ozone] Kalina OV, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):29–33 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Incorporation of glucose carbons into rat lung lipids after exposure to 0.6 ppm ozone. Bassett DJ, et al. **Am J Physiol** 1985 May;248(5 Pt 1):E553–9

Interaction of peroxyacetyl nitrate and ozone on pulmonary functions. Drechsler-Parks DM, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1033–7

Responses of subjects with chronic obstructive pulmonary disease after exposures to 0.3 ppm ozone. Kehrl HR, et al. **Am Rev Respir Dis** 1985 May;131(5):719–24

Acute effects of 0.12 ppm ozone or 0.12 ppm nitrogen dioxide on pulmonary function in healthy and asthmatic adolescents. Koenig JQ, et al. **Am Rev Respir Dis** 1985 Sep;132(3):648–51

Reproducibility of individual responses to ozone exposure. McDonnell WF 3d, et al. **Am Rev Respir Dis** 1985 Jan; 131(1):36–40

A simple method for measuring the respiratory uptake of carbon monoxide in unanesthetized rats: an application to rats acutely exposed to ozone. Yokoyama E. **Arch Environ Health** 1984 Sep–Oct;39(5):375–8

Ultraviolet light- and ozone-induced changes in pyridinoline, a trisubstituted 3-hydroxypyridinium crosslink of collagen. Fujimori E. **Biochim Biophys Acta** 1985 Mar 22; 828(1):104–6

Effect of ozone on prophage induction in different strains of Escherichia coli K-12 lysogenic for lambda. L'Herault P, et al. **Can J Genet Cytol** 1984 Dec;26(6):706–9

Degradation of nucleic acids with ozone. V. Mechanism of action of ozone on deoxyribonucleoside 5'-monophosphates. Ishizaki K, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3601–6

Degradation of nucleic acids with ozone. VI. Labilization of the double-helical structure of calf thymus deoxyribonucleic acid. Shinriki N, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3636–40

Differences between inhaled and intravenous carbachol in detecting O3-induced airway effects. Abraham W, et al. **Environ Res** 1984 Dec;35(2):430–8

Ozone-related fluorescent compounds in mouse liver and lung. Csallany AS, et al. **Environ Res** 1985 Aug;37(2):320–6

Effect of short-term exposure to O3 on antibody response in mice. Fujimaki H, et al. **Environ Res** 1984 Dec; 35(2):490–6

Degradation of soluble collagen by ozone or hydroxyl radicals. Curran SF, et al. **FEBS Lett** 1984 Oct 15; 176(1):155–60

Suppression of IgE antibody production after exposure to ozone in mice. Ozawa M, et al. **Int Arch Allergy Appl Immunol** 1985;76(1):16–9

Production of single- and double-strand breaks in plasmid DNA by ozone. Hamelin C. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):253–7

Assignment of ozone-sensitive tryptophan residue in tryptophanase by a dual-monitoring high-performance liquid chromatography system. Ida N, et al. **J Appl Biochem** 1985 Feb;7(1):38–42

Pulmonary function changes after 1 h continuous heavy exercise in 0.21 ppm ozone. Folinsbee LJ, et al. **J Appl Physiol** 1984 Oct;57(4):984–8

Ozone-induced airway hyperreactivity in the guinea pig. Gordon T, et al. **J Appl Physiol** 1984 Oct;57(4):1034–8

Ozone-induced changes in muscarinic bronchial reactivity by different testing methods. Roum JH, et al. **J Appl Physiol** 1984 Dec;57(6):1783–9

Effects of protein deficiency and food restriction on lung ascorbic acid and glutathione in rats exposed to ozone. Dubick MA, et al. **J Nutr** 1985 Aug;115(8):1050–6

Effect of ozone exposure on prostacyclin synthesis in lung. Kobayashi T. **Prostaglandins** 1983 Dec;26(6):1021–7

Giant lamellar bodies in alveolar type II cells of rats exposed to a low concentration of ozone. Shimura S, et al. **Respiration** 1984;46(3):303–9

Effect of ozone on serum lipids and lipoproteins in the rat. Mole ML Jr, et al. **Toxicol Appl Pharmacol** 1985 Sep 30; 80(3):367–76

Influence of ozone on pentobarbital pharmacokinetics in mice. Graham JA, et al. **Toxicol Lett** 1985 Feb–Mar; 24(2–3):163–70

[Effects of ozone on human nuclear cataract: ozonization-sensitive amino acid residues in soluble crystallin] Kabasawa I, et al. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):354–7 (Eng. Abstr.) **(Jpn)**

[The aggregate fractions of beta(s) crystallin; the differences between frozen storage and ozone treatment] Matsuda K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Sep;88(9):1211–5 (Eng. Abstr.) **(Jpn)**

[Covalent cross-linking and degradation of proteins caused by ozone] Ignatenko AV, et al. **Biofizika** 1985 Jan–Feb; 30(1):18–22 (Eng. Abstr.) **(Rus)**

[Effect of ozone on the growth and development of lower fungi (Phytophora infestans, Aspergillus niger)] Gotlib VIa, et al. **Dokl Akad Nauk SSSR** 1985 Mar–Apr;281(1):169–71 **(Rus)**

[Cooperative killing of yeast cells by ozone-induced dissipation of the transmembrane proton gradient] Konev SV, et al. **Dokl Akad Nauk SSSR** 1985;281(2):454–7 **(Rus)**

STANDARDS

[Hygienic aspects of the use of ozone to prolong the storage life of agricultural products] Buslovich SIu, et al. **Gig Sanit** 1984 Jul;(7):15–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Chronic leg ulcers. Ozone and other factors affecting healing. Thwaites M, et al. **Aust Fam Physician** 1985 Apr;14(4):292, 294, 296–8

TOXICITY

Stimulation of poly(ADP-ribose) synthetase activity in the lungs of mice exposed to a low level of ozone. Hussain MZ, et al. **Arch Biochem Biophys** 1985 Sep;241(2):477–85

Influence of dietary vitamin E on susceptibility to ozone exposure. Calabrese EJ, et al. **Bull Environ Contam Toxicol** 1985 Mar;34(3):417–22

Response of human ciliated respiratory epithelium to brief in vivo ozone exposure: an ultrastructural study. Carson JL, et al. **Environ Res** 1985 Jun;37(1):212–27

Respiratory bronchiolitis following long-term ozone exposure in bonnet monkeys: a morphometric study. Fujinaka LE, et al. **Exp Lung Res** 1985;8(2–3):167–90

A mechanism of synergistic lung damage by ozone and a respirable aerosol. Last JA, et al. **Exp Lung Res** 1984; 7(3–4):223–35

Morphological basis of tolerance to ozone. Evans MJ, et al. **Exp Mol Pathol** 1985 Jun;42(3):366–76

Erythrocytes from ozone-exposed mice exhibit decreased deformability. Morgan DL, et al. **Fundam Appl Toxicol** 1985 Feb;5(1):137–43

Pulmonary response to threshold levels of sulfur dioxide (1.0 ppm) and ozone (0.3 ppm). Folinsbee LJ, et al. **J Appl Physiol** 1985 Jun;58(6):1783–7

Bronchial hyperreactivity occurs in steroid-treated guinea pigs depleted of leukocytes by cyclophosphamide. Murlas C, et al. **J Appl Physiol** 1985 May;58(5):1630–7

Alveolar permeability to protein in rats differentially susceptible to ozone. Costa DL, et al. **J Appl Toxicol** 1985 Jun;5(3):182–6

The effect of in vivo ozone exposure to Dorset sheep, an animal model with low levels of erythrocyte glucose-6-phosphate dehydrogenase activity. Moore GS, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4–5):71–8

Serum lipid and lipoprotein concentrations following exposure to ozone. Vaughan WJ, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4–5):165–73

Effect of 0.64 ppm ozone on rats with chronic pulmonary bacterial infection. Sherwood RL, et al. **J Toxicol Environ Health** 1984;13(4–6):893–904

Effect of caffeine on ozone-sensitivity in Saccharomyces cerevisiae. Dubeau H, et al. **MGG** 1984;195(1–2):361–3

Mutagenicity of ozone in different repair-deficient strains of Escherichia coli. L'Herault P, et al. **MGG** 1984; 197(3):472–7

Toxicity of polycyclic aromatic hydrocarbons. I. Effect of phenanthrene, pyrene, and their ozonized products on blood chemistry in rats. Yoshikawa T, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):218–26

Splenomegaly in mice following exposure to ambient levels of ozone. Hassett C, et al. **Toxicol Lett** 1985 Aug; 26(2–3):139–44

Cytotoxic action of rat alveolar macrophages for ozone-exposed lung fibroblasts. Morgan DL, et al. **Toxicol Lett** 1985 Jul;26(1):37–42

Ozone exposure, food restriction and protein deficiency: changes in collagen and elastin in rodent lung. Myers BA, et al. **Toxicol Lett** 1984 Oct;23(1):43–9

Changes in the levels of polyunsaturated fatty acids in the lung and lecithin cholesterol acyl transferase activity in plasma of monkeys exposed to ambient levels of ozone. Rao GA, et al. **Toxicol Lett** 1985 Feb–Mar;24(2–3):125–9

In vivo effects of nitrogen dioxide and ozone on xenobiotic metabolizing systems of rat lungs. Takahashi Y, et al. **Toxicol Lett** 1985 Aug;26(2–3):145–52

The role of glutathione and changes in thiol homeostasis in cultured lung cells exposed to ozone. Rietjens IM, et al. **Toxicology** 1985 Jun 14;35(3):207–17

[Effect of dietary lipids and vitamin E on lipid peroxidation in rats exposed to ozone] Nakadoi T. **Nippon Eiseigaku Zasshi** 1984 Oct;39(4):757–69 (Eng. Abstr.) **(Jpn)**

[Evaluation of the combined action of noise and ozone] Il'nitskaia AV, et al. **Gig Tr Prof Zabol** 1985 Mar;(3):19–22 (Eng. Abstr.) **(Rus)**

P BLOOD-GROUP SYSTEM see under **BLOOD GROUPS**

PACEMAKER, ARTIFICIAL

Cardiac pacing in children: a 15-year experience. Beder SD, et al. **Am Heart J** 1985 Jan;109(1):152–6

Programmable extrastimulus pacing for long-term management of supraventricular and ventricular tachycardias: clinical experience in 16 patients. Bertholet M, et al. **Am Heart J** 1985 Sep;110(3):582–9

Inverse relation between patient age and chronic stimulation threshold in permanent endocardial ventricular pacing. Brandt J, et al. **Am Heart J** 1985 Apr;109(4):816–20

Inhibition of demand pacemakers by myopotentials. Gialafos J, et al. **Am Heart J** 1985 May;109(5 Pt 1):984–91

Failure of the postventricular premature beat DVI mode in preventing pacemaker circus movement tachycardia. den Dulk K, et al. **Am J Cardiol** 1984 Dec 1;54(10):1371–2

Do all pacemakers need both antibradycardia and antitachycardia pacing features? den Dulk K, et al. **Am J Cardiol** 1985 Feb 15;55(5):593–4

Placement accuracy of percutaneous transthoracic pacemakers. Brown CG, et al. **Am J Emerg Med** 1985 May; 3(3):193–8

A pacemaker primer. Purcell JA, et al. **Am J Nurs** 1985 May; 85(5):553–68

Use of a three-channel electrocardiographic recorder for limited intracardiac electrocardiography during single- and double-chamber pacemaker implantation. Andersen FH, et al. **Ann Thorac Surg** 1985 May;39(5):485–8

Diathermy-induced loss of DDD pacemaker identity [letter] Bourke J, et al. **Ann Thorac Surg** 1985 Jul;40(1):97

Pacemakers and the public image [editorial] Keshishian JM. **Ann Thorac Surg** 1984 Dec;38(6):549–50

Permanent pacing through a persistent left superior vena cava: an approach and report of dual-chambered lead placement. Westerman GR, et al. **Ann Thorac Surg** 1985 Feb;39(2):174–6

Automatic implantable cardioverter-defibrillator: a device for malignant ventricular arrhythmias and sudden death. Emery RW, et al. **Ariz Med** 1985 May;42(5):288–92

Safety assessment and biodistribution of povidone as a coating material for cardiac pacing leads. Jay M, et al. **Biomater Med Devices Artif Organs** 1983–84;11(4):253–8

Implant effects on polyurethane and silicone cardiac pacing leads in humans: insulation measurements and SEM observations. Barbaro V, et al. **Biomaterials** 1985 Jan; 6(1):28–32

Pacing in children. Ector H, et al. **Br Heart J** 1985 May; 53(5):541–6

Pacemaker dependence in patients with bifascicular block during acute anterior myocardial infarction. Edhag O, et al. **Br Heart J** 1984 Oct;52(4):408–12

Permanent pacemaker failure due to surgical emphysema. Smith SA, et al. **Br Heart J** 1985 Aug;54(2):220–1

Right heart catheterization and temporary pacemaker insertion during coronary arteriography for suspected coronary artery disease [editorial] Greene DG. **Cathet Cardiovasc Diagn** 1984;10(5):429–30

Unilateral neck pulsations in a patient with a permanent pacemaker. Coplan NL, et al. **Chest** 1985 Apr;87(4):548–50

Radiographic pseudofracture of bipolar pacemaker wire. Hecht S, et al. **Chest** 1985 Aug;88(2):302–4

Unusual QRS morphology associated with transvenous pacemakers. The pseudo RBBB pattern. Klein HO, et al. **Chest** 1985 Apr;87(4):517–21

Optimal resources for implantable cardiac pacemakers. Pacemaker Study Group. Parsonnet V, et al. **Circulation** 1983 Jul;68(1):226A–244A

Comparative efficacy of transvenous cardioversion and pacing in patients with sustained ventricular tachycardia: a prospective, randomized, crossover study. Saksena S, et al. **Circulation** 1985 Jul;72(1):153–60

The use of cardiac pacemakers. Saviano GJ, et al. **Clin Ther** 1984;6(6):732–45

Pacemaker contact sensitivity. Verbov J. **Contact Dermatitis** 1985 Mar;12(3):173

Pseudodysrhythmia during dialysis. Bartecchi CE, et al. **Crit Care Med** 1985 Sep;13(9):770

Indications for and management of cardiac pacemakers. Luceri RM, et al. **DM** 1985 Mar;31(3):1–52

Esophageal ECG recording--a valuable diagnostic tool in dual chamber pacing. Brandt J, et al. **Eur Heart J** 1985 Apr;6(4):342–8

Steps towards the development of a safe and effective tachycardia terminating pacemaker. Nathan AW, et al. **Eur Heart J** 1984 Dec;5(12):993–1003

Serial electrophysiologic studies after single chamber atrial pacemaker implantation in patients with symptomatic sinus node dysfunction. van Mechelen R, et al. **Eur Heart J** 1984 Aug;5(8):628–36

Pharmacokinetics and distribution of flucloxacillin in pacemaker patients. Anderson P, et al. **Eur J Clin Pharmacol** 1985;27(6):713–9

Class I recalls. **FDA Drug Bull** 1984 Aug;14(2):20

Permanent physiological pacing. Rossi P, et al. **G Ital Cardiol** 1984 Oct;14(10):784-7

Permanent pacemakers for paroxysmal tachycardia. Roworth A, et al. **G Ital Cardiol** 1984 Oct;14(10):779-83

Understanding upper rate responses of DDD pacers. Isicoff C. **Heart Lung** 1985 Jul;14(4):327-34

Pacemaker update 1984. Part IV. DDD pacemaker--electrocardiographic assessment and problem solving. Parker MM, et al. **Heart Lung** 1984 Nov;13(6):687-90

A second opinion with regard to a pacemaker. Hancock EW. **Hosp Pract [Off]** 1985 Aug 15;20(8):95, 99

The exercise-responsive cardiac pacemaker. Geddes LA, et al. **IEEE Trans Biomed Eng** 1984 Dec;31(12):763-70 (63 ref.)

Management of tachyarrhythmias. Khalilullah M, et al. **Indian Heart J** 1984 May-Jun;36(3):136-8

Programmable pacemakers. Khalilullah M, et al. **Indian Heart J** 1982 Nov-Dec;34(6):372-7

Stable right ventricular endocardial permanent pacing via left superior vena cava. Mishra SC, et al. **Indian Heart J** 1985 Mar-Apr;37(2):116-8

Echo visualisation of pacemaker lead. Samdarshi TE, et al. **Indian Heart J** 1985 Mar-Apr;37(2):101-4

Hyperkalaemia induced pacemaker exit block. Sathyamurthy I, et al. **Indian Heart J** 1984 May-Jun;36(3):176-7

Predictive value of disopyramide provocation in chronic bifascicular block--long-term follow-up with a bradycardia indicating pacemaker. Talwar KK, et al. **Indian Heart J** 1985 Mar-Apr;37(2):105-9

Dual-chamber pacing for symptomatic bradyarrhythmias. Tyagi S, et al. **Indian Heart J** 1985 Mar-Apr;37(2):82-5

An experience with permanent cardiac pacing in children and adolescents. Kaul U, et al. **Indian J Pediatr** 1983 Nov-Dec;50(407):623-7

Risks and benefits of cardiac pacing in children. Ennker J, et al. **Int J Cardiol** 1985 Jun;8(2):125-36

Some aspects of neurological presentation of patients with important cardiac arrhythmias requiring pacemaker therapy: a preliminary report. Fritz VU, et al. **Int J Cardiol** 1985 Jun;8(2):208-11

Pacemaker leads. Harthorne JW. **Int J Cardiol** 1984 Oct;6(4):423-9 (37 ref.)

Recurrent supraventricular tachycardia induced by antitachycardia pacemaker. Pechter RA, et al. **Int J Cardiol** 1985 May;8(1):94-6

Automated external defibrillator-pacemaker [letter] Thomas NB, et al. **Int J Cardiol** 1984 Oct;6(4):555

Effect of loss of the atrial contribution to ventricular filling on left ventricular function in patients requiring intermittent pacing with ventricular demand pacemakers. Horgan JH, et al. **Ir J Med Sci** 1984 Jun;153(6):198-202

Automatic pacemaker termination of two different types of supraventricular tachycardia. den Dulk K, et al. **J Am Coll Cardiol** 1985 Jul;6(1):201-5

Noninvasive evaluation of retrograde conduction times to avoid pacemaker-mediated tachycardia. Greenspon AJ, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1403-6

Permanent triggered antitachycardia pacemakers in the management of recurrent sustained ventricular tachycardia. Herre JM, et al. **J Am Coll Cardiol** 1985 Jul;6(1):206-14

Noninvasive assessment of pacemaker hemodynamics by Doppler echocardiography: importance of left atrial size. Labovitz AJ, et al. **J Am Coll Cardiol** 1985 Jul;6(1):196-200

Importance of the pacing mode in the initiation of ventricular tachyarrhythmia in a canine model of chronic myocardial infarction. Mitamura H, et al. **J Am Coll Cardiol** 1985 Jul;6(1):99-103

Long-term assessment of unipolar and bipolar stimulation and sensing thresholds using a lead configuration programmable pacemaker. Nielsen AP, et al. **J Am Coll Cardiol** 1985 May;5(5):1198-204

Respiration-dependent ventricular pacing compared with fixed ventricular and atrial-ventricular synchronous pacing: aerobic and hemodynamic variables. Rossi P, et al. **J Am Coll Cardiol** 1985 Sep;6(3):646-52

Pigtail catheter for extraction of pacemaker lead [letter] Taliercio CP, et al. **J Am Coll Cardiol** 1985 Apr;5(4):1020

On the mechanisms underlying cardiac standstill: factors determining success or failure of escape pacemakers in the heart. Vassalle M. **J Am Coll Cardiol** 1985 Jun;5(6 Suppl):35B-42B (52 ref.)

Improved method for evaluating ventriculoatrial conduction before implantation of atrial-sensing dual chamber pacemakers. Webb CR, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1395-402

Superior vena caval stenosis: a rare complication in permanent transvenous cardiac pacing. Szuman J, et al. **J Cardiovasc Surg (Torino)** 1985 Jan-Feb;26(1):79-81

Localization of cardiac ectopic activity in man by a single moving dipole. Comparison of different computation techniques. Savard P, et al. **J Electrocardiol** 1985 Jul;18(3):211-21

Transcutaneous cardiac pacing. Dalsey W, et al. **J Emerg Med** 1984;1(3):201-5

Pacing systems in the 80s. Cook JR. **J La State Med Soc** 1985 Apr;137(4):40-4, 49-50

Indications for cardiac pacing. Glancy DL. **J La State Med Soc** 1985 Apr;137(4):38-9

Pacemaker followup. Jacobs BF. **J La State Med Soc** 1985 Apr;137(4):62-4

New horizons in pacemaker therapy. Reddy CP, et al. **J La State Med Soc** 1985 Apr;137(4):65-70

The choice of the pacemaker system and benefits of physiologic versus VVI pacing. Waites TF. **J La State Med Soc** 1985 Apr;137(4):51-6

Microcomputer-based cardiac pacemaker-control system through blood temperature. Sugiura T, et al. **J Med Eng Technol** 1984 Nov-Dec;8(6):267-9

EKG of the month. Ventricular pacemaker functioning normally with ectopic electrode position. Campbell WB. **J Tenn Med Assoc** 1984 Sep;77(9):538-9

Use of the Shaw Scalpel in pacemaker operations. Erdman S, et al. **J Thorac Cardiovasc Surg** 1985 Feb;89(2):304-7

A technique for postoperative application of a newly designed temporary bipolar dual-chamber pacemaker electrode. Parsonnet V, et al. **J Thorac Cardiovasc Surg** 1985 Mar;89(3):456-8

Intrapericardial diaphragmatic hernia after subxiphoid epicardial pacemaker insertion: case reports. Swartz D, et al. **J Thorac Cardiovasc Surg** 1984 Oct;88(4):633-5

Office evaluation of the pacemaker patient. Detection of normal and abnormal pacemaker function. Bhatia S, et al. **JAMA** 1985 Sep 13;254(10):1346-52

Ambulatory electrocardiograms obtained by Holter monitoring system in patients with permanent demand pacemakers. Oka Y, et al. **Jpn Heart J** 1985 Jan;26(1):23-32

Sinus node dysfunction in pediatric and young adult patients: treatment by implantation of a permanent pacemaker in 39 cases. Albin G, et al. **Mayo Clin Proc** 1985 Oct;60(10):667-72

Unipolar and bipolar right atrial appendage electrodes: comparison of sensing characteristics. Bagwell P, et al. **Med Instrum** 1985 May-Jun;19(3):132-5

Emergency situations in sinus node dysfunction. Repolski M, et al. **Med Interne** 1984 Oct-Dec;22(4):271-7

Basic principles of pacemakers--subject review. Shalhoub NE. **Middle East J Anaesthesiol** 1984 Jun;7(5):347-61

Electrocardiographic patterns of normally functioning dual chamber pacemakers. Tolentino AO, et al. **Mt Sinai J Med (NY)** 1985 Feb;52(2):116-22

Cardiac pacing in the 1980s. Ludmer PL, et al. **N Engl J Med** 1984 Dec 27;311(26):1671-80 (68 ref.)

More on flipped pacemakers [letter] Parsonnet V. **N Engl J Med** 1984 Dec 13;311(24):1578

Cardiostim '84. Cardiac pacing: new developments. June 22-23, 1984, Monaco. Proceedings. **PACE** 1984 Nov;7(6 Pt 2):1099-383

Externally activated antitachycardia pacemaker with noninvasive electrophysiologic re-testing capability. Aonuma K, et al. **PACE** 1985 Mar;8(2):215-24

Optimal pacemaker sensing with respect to amplitude and slew rate of intracardiac electrograms: theoretical analysis by computer simulation. Arai Y, et al. **PACE** 1984 Sep;7(5):778-83

A new pacemaker for monitoring asystole and prevention of Adams-Stokes syndrome and sudden cardiac death. Arai Y, et al. **PACE** 1984 Nov;7(6 Pt 1):973-8

Bipolar versus unipolar issues in DDD pacing. Baker RG Jr, et al. **PACE** 1984 Nov;7(6 Pt 2):1178-82

Programmability in DDD pacing. Barold SS, et al. **PACE** 1984 Nov;7(6 Pt 2):1159-64

Ventricular thrombosis during permanent endocardial pacing in a pediatric patient with hemorrheological disorders. Bastianon V, et al. **PACE** 1985 Mar;8(2):164-9

The role of the computer in cardiac pacemaker technology. Benedek ZM, et al. **PACE** 1984 Nov;7(6 Pt 2):1217-27

Artificial circus movement tachycardias: incidence, mechanisms, and prevention. Bertholet M, et al. **PACE** 1985 May;8(3 Pt 1):415-23

Examination of explanted polyurethane pacemaker leads using the scanning electron microscope. Beyersdorf F, et al. **PACE** 1985 Jul;8(4):562-8

Performance of cardiac pacemaker pulse generators. Bilitch M, et al. **PACE** 1985 Mar;8(2):276-82

Primary cardiac amyloidosis treated with permanent pacing [letter] Cavalli A, et al. **PACE** 1985 May;8(3 Pt 1):465-6

Reappearance of persistent normal sinus rhythm in a patient with the sick sinus syndrome following cardiac pacing for 10.5 years. Chen HZ, et al. **PACE** 1985 May;8(3 Pt 1):387-92

Predicted early failure of cardiac pacemakers. Collins DW, et al. **PACE** 1985 Jul;8(4):544-8

The potential role of the implantable defibrillator in malignant ventricular arrhythmias. Coumel P, et al. **PACE** 1984 Nov;7(6 Pt 2):1137-9

Successful treatment of ventricular tachycardia by physiological pacing. Crick JC, et al. **PACE** 1984 Nov;7(6 Pt 1):949-51

PACTOT: a reprogrammable software pacing system. Dassen WR, et al. **PACE** 1985 Jul;8(4):574-8

A case report demonstrating spontaneous change in tachycardia terminating window. den Dulk K, et al. **PACE** 1984 Sep;7(5):867-70

Surgical removal of entrapped endocardial leads without using extracorporeal circulation. Dubernet J, et al. **PACE** 1985 Mar;8(2):175-80

The marker channel: a telemetric diagnostic aid. Duffin EG Jr. **PACE** 1984 Nov;7(6 Pt 2):1165-9

Measurement of pacing threshold. Ector H, et al. **PACE** 1985 Jan;8(1):66-72

Reversion mode activation by myopotential sensing in a ventricular inhibited demand pacemaker. Erkkila KI, et al. **PACE** 1985 Jan;8(1):50-1

Increasing cardiac rate by measurement of right ventricular temperature. Fearnot NE, et al. **PACE** 1984 Nov;7(6 Pt 2):1240-5

The clinical incidence and significance of myopotential sensing with unipolar pacemakers. Fetter J, et al. **PACE** 1984 Sep;7(5):871-81

Pacing for ventricular tachycardia. Fisher JD, et al. **PACE** 1984 Nov;7(6 Pt 2):1278-90

Computed tomographic localization of malposition of pacing electrodes: the value of cardiovascular computed tomography. Flicker S, et al. **PACE** 1985 Jul;8(4):589-99

Dual chamber pacemakers: upper rate behavior. Furman S. **PACE** 1985 Mar;8(2):197-214

Pacemakers and patents [editorial] Furman S. **PACE** 1985 Jul;8(4):475

Precordial pacing windows. Geddes LA, et al. **PACE** 1984 Sep;7(5):806-12

Emergency guide wire pacing: new methods for rapid conversion of a cardiac catheter into a pacemaker. Gessman LJ, et al. **PACE** 1984 Sep;7(5):917-21

Critical analysis of sensors for physiological responsive pacing. Gillette P. **PACE** 1984 Nov;7(6 Pt 2):1263-6

Rate-responsive pacing: clinical experience. Goicolea de Oro A, et al. **PACE** 1985 May;8(3 Pt 1):322-8

The management of paroxysmal tachycardias using the Cybertach-60. Griffin JC, et al. **PACE** 1984 Nov;7(6 Pt 2):1291-5

Removal of monofilamental and multifilamental temporary pacing leads following open-heart surgery: occurrence of arrhythmias. Harjula A, et al. **PACE** 1985 Jul;8(4):607-10

Techniques for improving cardiac performance with implantable devices. Hauser RG. **PACE** 1984 Nov;7(6 Pt 2):1234-9

Bipolar tined polyurethane ventricular lead: a four-year experience. Hayes DL, et al. **PACE** 1985 Mar;8(2):192-6

Automatic scanning extrastimulus pacemaker to treat ventricular tachycardia. Higgins JR, et al. **PACE** 1985 Jan;8(1):101-9

Simultaneous atrial and ventricular electrogram transmission via a specialized single lead system. Hughes HC, et al. **PACE** 1984 Nov;7(6 Pt 2):1195-201

Tachycardia detection in implantable antitachycardia devices. Jenkins J, et al. **PACE** 1984 Nov;7(6 Pt 2):1273-7

Acceleration of ventricular tachycardia by rapid overdrive pacing combined with extrastimuli. Jentzer JH, et al. **PACE** 1984 Sep;7(5):922-4

A rate-responsive pacemaker controlled by right ventricular blood temperature. Jolgren D, et al. **PACE** 1984 Sep;7(5):794-801

Mixed carotid sinus hypersensitivity: successful therapy with pacing, ephedrine, and propranolol. Keating EC, et al. **PACE** 1985 May;8(3 Pt 1):356-9

Atrial pacing bigeminy: a manifestation of crosstalk. Kersschot IE, et al. **PACE** 1985 May;8(3 Pt 1):402-7

Extreme intracardiac coiling of a transvenous pacemaker: a case report. Kouba C, et al. **PACE** 1985 May;8(3 Pt 1):360-3

Disseminated aspergillosis and pacemaker endocarditis. Kramer L, et al. **PACE** 1985 Mar;8(2):225-9

The central venous blood temperature as a guide for rate control in pacemaker therapy. Laczkovics A. **PACE** 1984 Sep;7(5):822-30

A comparison between conventional and basket transvenous electrodes. Lagergren H. **PACE** 1985 Mar;8(2):181-5

Ten-year follow-up on 1,000 patients with transvenous electrodes. Lagergren H, et al. **PACE** 1984 Nov;7(6 Pt 1):1017-20

Pacemaker-mediated tachycardia initiated by coincident P-wave undersensing and ventricular blanking period. Lamas GA, et al. **PACE** 1985 May;8(3 Pt 1):436-9

Radionuclide evaluation of dual chamber pacing: comparison between variable AV intervals and ventricular pacing. Leman RB, et al. **PACE** 1985 May;8(3 Pt 1):408-14

Resetting of DDD pacemaker due to EMI [letter] Levine PA. **PACE** 1984 Sep;7(5):925-6

Clinical benefits of telemetered electrograms in assessment of DDD function. Levine PA, et al. **PACE** 1984 Nov;7(6 Pt 2):1170-7

Follow-up of DDD pacemakers. Luceri RM, et al. **PACE** 1984 Nov;7(6 Pt 2):1187-94

Extraction of a chronically infected endocardial screw-in pacemaker lead by pigtail catheter and wire loop via the femoral vein. Maisch B, et al. **PACE** 1985 Mar;8(2):230-4

Computer simulation of dual chamber pacemaker algorithms using a realistic heart model. Malik M, et al. **PACE** 1985 Jul;8(4):579-88

Atrial and ventricular burst pacing from a coronary sinus catheter: relation to position of radiofrequency transmitter. Marchlinski FE, et al. **PACE** 1985 May;8(3 Pt 1):399-401

Experience with a new epimyocardial pacing lead in children. Michalik RE, et al. **PACE** 1984 Sep;7(5):831-8

Comparison of vitreous carbon and elgiloy transvenous ventricular pacing leads. Molajo AO, et al. **PACE** 1985 Mar;8(2):261-5

Esophageal P-synchronous pacing. Moura P, et al. **PACE** 1985 May;8(3 Pt 1):374-7

The patent system and cardiac pacing: is the system serving its users? Preston AW Jr, et al. **PACE** 1985 Jul;8(4):476-83

Rate-responsive ventricular pacing: clinical experience with the RS4-SRT pacing system. Ramsdale DR, et al. **PACE** 1985 May;8(3 Pt 1):378-86

Antibiotic prophylaxis for pacemaker implantation: a prospective randomized trial. Ramsdale DR, et al. **PACE** 1984 Sep;7(5):844–9
The connecting pin of a pacing lead varies in diameter depending on the manufacturer [letter] Rao G. **PACE** 1984 Nov;7(6 Pt 1):1086
Drug–device interactions: clinical considerations. Reiffel JA, et al. **PACE** 1985 May;8(3 Pt 1):369–73
How should the software pacemaker be programmed during manufacturing and after implantation? Ripart A, et al. **PACE** 1984 Nov;7(6 Pt 2):1202–6
Increasing cardiac rate by tracking the respiratory rate. Rossi P, et al. **PACE** 1984 Nov;7(6 Pt 2):1246–56
Clinical results with Omni–Orthocor, an implantable antitachycardia pacing system. Rothman MT, et al. **PACE** 1984 Nov;7(6 Pt 2):1306–12
Continuous ventricular volume assessment for diagnosis and pacemaker control. Salo RW, et al. **PACE** 1984 Nov;7(6 Pt 2):1267–72
Data storage and retrieval by implantable pacemakers for diagnostic purposes. Sanders R, et al. **PACE** 1984 Nov;7(6 Pt 2):1228–33
Reversible end–of–life indicator leading to erroneous pacemaker replacement–pitfalls of telemetry. Scheibelhofer W, et al. **PACE** 1984 Nov;7(6 Pt 1):952–4
Pacemaker architecture: a pacemaker with an attached computer or a computer with an attached pacemaker. Segerstad CH af, et al. **PACE** 1984 Nov;7(6 Pt 2):1213–6
Clinical results with the Tachylog antitachycardia pacemaker. Sowton E. **PACE** 1984 Nov;7(6 Pt 2):1313–7
Clinical experience with implantable scanning tachycardia reversion pacemakers. Spurrell RA, et al. **PACE** 1984 Nov;7(6 Pt 2):1296–300
Unusual presentation of DDD pacemaker system malfunction. Stark S, et al. **PACE** 1985 Mar;8(2):255–60
Interpretation of dual chamber pacemaker electrocardiograms. Sutton R, et al. **PACE** 1985 Jan;8(1):6–16
Termination of ventricular tachycardia by an implantable atrial pacemaker and external pacemaker activator. Tanabe A, et al. **PACE** 1985 Jul;8(4):532–8
Stimarec report of November–December, 1984. Welti JJ, et al. **PACE** 1985 Mar;8(2):272–5
Electronic control of ventricular tachyarrhythmias: overview and future directions. Winkle RA. **PACE** 1984 Nov;7(6 Pt 2):1375–9
Regulation of pacing rate by variations of mixed venous oxygen saturation. Wirtzfeld A, et al. **PACE** 1984 Nov;7(6 Pt 2):1257–62
The importance of software programmable pacemakers: in vivo programming of a prototype device. Wittkampf FH, et al. **PACE** 1984 Nov;7(6 Pt 2):1207–12
Initial experience with Symbios Model 7008 pacemaker. Zipes DP, et al. **PACE** 1984 Nov;7(6 Pt 2):1301–5
The effect of therapeutic x–radiation on a sample of pacemaker generators. Maxted KJ. **Phys Med Biol** 1984 Sep;29(9):1143–6
Pacemaker discomfort induced by the wearing of seat belts. Wallis M, et al. **Postgrad Med J** 1985 Apr;61(714):305–6
The effects of ionizing radiation on eight cardiac pacemakers and the influence of electromagnetic interference from two linear accelerators. Venselaar JL. **Radiother Oncol** 1985 Jan;3(1):81–7
What do pacemaker recipients think of their implantations? An exploratory study. Torrington M, et al. **S Afr Med J** 1985 Aug 3;68(3):163–6
Antibiotic prophylaxis in pacemaker surgery––a prospective study. Bluhm G, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(3):227–34
Spontaneous rotation of permanent pacemaker––a cause of muscle stimulation and myopotential inhibition. Simonsen E, et al. **Scand J Thorac Cardiovasc Surg** 1984;18(3):223–5
Emergency transvenous pacing at the bedside. An experience with 61 patients. Balasingam S. **Singapore Med J** 1984 Jun;25(3):141–5
Pacemaker therapy. Kowey PR, et al. **Surg Clin North Am** 1985 Jun;65(3):595–611 (105 ref.)
Diurnal variation of QT interval in patients with VVI pacemaker. Oda E, et al. **Tohoku J Exp Med** 1985 Apr;145(4):419–26
Computer applications to electrophysiologic studies. Byrd CL, et al. **Trans Am Soc Artif Intern Organs** 1984;30:265–9
Morphological changes in human myocardium during permanent pacing. Châtelain P, et al. **Virchows Arch [A]** 1985;407(1):43–57
[Pacemaker behavior during therapeutic irradiation] Storm CJ, et al. **Ned Tijdschr Geneeskd** 1985 Jul 20;129(29):1388 (Dut)
[Anesthesia in a patient suffering from severe conduction disorders] Andreu J, et al. **Cah Anesthesiol** 1982 Dec;30(8):1073–86 (Fre)
[Flunitrazepam–fentanyl for the intracavitary placement of pacemakers] Herbeau C, et al. **Cah Anesthesiol** 1984 Dec;32(8 Suppl):69–73 (Eng. Abstr.) (Fre)
[Dual–chamber cardiac pacemakers. Hemodynamic value] Daubert JC, et al. **Presse Med** 1985 Apr 13;14(15):835–8 (Eng. Abstr.) (Fre)
[New cardiac pacemakers] Frank R. **Presse Med** 1985 May 11;14(19):1089–92 (Eng. Abstr.) (Fre)
[Open approach to the subclavian vein for permanent cardiac stimulation] Roche P, et al. **Presse Med** 1985 Feb 2;14(4):224–5 (Eng. Abstr.) (Fre)
[Pregnancy in a patient with an isotopic pacemaker placed for surgical atrioventricular block following treatment of tetralogy of Fallot. Apropos of a case. Review of the literature] Malbranche–Aupècle MH, et al. **Rev Fr Gynecol Obstet** 1985 Feb;80(2):105–7 (Eng. Abstr.) (Fre)
[Cardiac pacemaker in the perioperative phase] Peters J, et al. **Anaesthesist** 1985 Apr;34(4):174–83 (68 ref.) (Eng. Abstr.) (Ger)
[Passive telemetry system for monitoring heart pacemaker electrodes] Ostgen M, et al. **Biomed Tech (Berlin)** 1984 Sep;29(9):202–7 (Eng. Abstr.) (Ger)
[Supraventricular tachycardia: the results of bundle of His ablation] Manz M, et al. **Dtsch Med Wochenschr** 1985 Apr 12;110(15):576–82 (Eng. Abstr.) (Ger)
[Asystolic pauses in atrial fibrillation. Incidence, dependence on the underlying disease and significance for pacemaker therapy] Uebis R, et al. **Dtsch Med Wochenschr** 1985 Jul 26;110(30):1157–60 (Eng. Abstr.) (Ger)
[Course of contraction during physiological and ventricular pacemaker stimulation] Nitsch J, et al. **Klin Wochenschr** 1984 Dec 3;62(23):1132–5 (Eng. Abstr.) (Ger)
[New aspects of cardiac pacemaker therapy] Maisch B. **Med Monatsschr Pharm** 1985 Jun;8(6):163–71 (Ger)
[Swiss pacemaker statistics in 1983] Cueni T, et al. **Schweiz Med Wochenschr** 1984 Nov 10;114(45):1615–6 (Eng. Abstr.) (Ger)
[Potential danger to pacemaker patients during transurethral operations. Clinical and experimental studies] Zink RA, et al. **Urologe [A]** 1985 Jul;24(4):175–9 (Eng. Abstr.) (Ger)
[New aspects in the diagnosis and treatment of arrhythmias. Round Table] Seipel L, et al. **Verh Dtsch Ges Inn Med** 1984;90 Pt 1:229–37 (Ger)
[Serum digitoxin levels in pacemaker patients] Nobis H, et al. **Wien Klin Wochenschr** 1984 Dec 7;96(23):843–7 (Eng. Abstr.) (Ger)
[Differential Pacemaker therapy of sinus node syndrome] Rathgen K, et al. **Z Arztl Fortbild (Jena)** 1985;79(5):199–204 (Ger)
[Application of therapy with atrial controlled ventricular pacemakers with shortened AV delay time] Duck HJ, et al. **Z Gesamte Inn Med** 1984 Dec 15;39(24):611–7 (Eng. Abstr.) (Ger)
[Rare malposition of a temporary pacemaker] Meier F, et al. **Z Gesamte Inn Med** 1985 Apr 1;40(7):213–5 (Eng. Abstr.) (Ger)
[Postoperative asystole caused by malfunction of an external demand pacemaker during hemofiltration] Klepzig H Jr, et al. **Z Kardiol** 1985 Feb;74(2):130–1 (Eng. Abstr.) (Ger)
[Echocardiographic study for optimizing therapy with physiologic heart pacemakers––the relevance of mitral valve motion] von Bibra H, et al. **Z Kardiol** 1984 Jul;73(7):460–5 (Eng. Abstr.) (Ger)
[Electrode implantation over the great saphenous vein as an alternative method] Bredel P, et al. **Zentralbl Chir** 1985;110(8):491–4 (Ger)
[A case of intrauterine fetal retardation with polycythemia in a patient with a pacemaker] Plesse R, et al. **Zentralbl Gynakol** 1984;106(23):1547–50 (Eng. Abstr.) (Ger)
[Thrombotic obstruction of the subclavian vein as a late complication of permanent pacemaker] Keidar S, et al. **Harefuah** 1985 Feb 1;108(3):140–1 (Eng. Abstr.) (Heb)
[Evaluation of arrhythmia during exercise in subjects with pacemakers implanted for total atrioventricular block] Accatino G, et al. **Boll Soc Ital Cardiol** 1984 Nov;29(11):503–10 (Eng. Abstr.) (Ita)
[Effects of digitalis on the parameters of sinus function in sick sinus syndrome. Evaluation using a multiprogrammable permanent atrial pacemaker with temporary inhibition] Adornato E, et al. **G Ital Cardiol** 1984 Jun;14(6):395–400 (Eng. Abstr.) (Ita)
[Development of a pulse generator for the prevention of syncope and sudden death during the monitoring of heart block] Arai Y, et al. **Iyodenshi To Seitai Kogaku** 1984 Jun;22(3):180–5 (Eng. Abstr.) (Jpn)
[Effects of heart rate on body surface potential distribution in patients with atrial pacemaker] Ohsugi S, et al. **J Cardiogr** 1984 Aug;14(2):323–34 (Eng. Abstr.) (Jpn)
[Evaluation of left atrial function in patients with an artificial pacemaker: estimation with Fourier analysis of left ventricular volume curves obtained by forward and backward data acquisitions] Kawai N, et al. **Kaku Igaku** 1985 Apr;22(4):527–34 (Jpn)
[Evaluation of exercise tolerance of treadmill test in patients with a cardiac pacemaker. A comparison of sick sinus syndrome (SSS) with complete A–V block (CAVB) on VVI mode pacing] Fukumoto H, et al. **Kyobu Geka** 1985 Mar;38(3):186–90 (Eng. Abstr.) (Jpn)
[Usefulness of the Swan–Ganz pacing thermodilution catheter for patients with cardiac disease] Nakao S, et al. **Masui** 1985 Jun;34(6):837–41 (Eng. Abstr.) (Jpn)
[Methodological basis of the control of implanted electric cardiac stimulators] Bukowiecki B. **Kardiol Pol** 1984;27(11–12):959–64 (Pol)
[Bidimensional echocardiography in endocardial pacemaker implantation] Costa R, et al. **Arq Bras Cardiol** 1984 Jul;43(1):51–3 (Eng. Abstr.) (Por)
[Conversion of unipolar R–inhibited demand pacemakers into bipolar ones in the preoperative period, retaining the same pulse generator, in cases of inhibition due to myopotentials] Kormann DS, et al. **Arq Bras Cardiol** 1981 Oct;37(4):341–5 (Eng. Abstr.) (Por)
[Factors interfering with the survival of patients with permanent artificial pacemakers] Sant'Anna JR, et al. **Arq Bras Cardiol** 1984 May;42(5):331–7 (Eng. Abstr.) (Por)
[Heart failure in patients wearing permanent pacemakers] Drăghici D, et al. **Rev Med Interna [Med Interna]** 1984 Jul–Aug;36(4):369–72 (Rum)
[Decrease in the electrostimulation threshold of the heart by saturating the electrode with glucocorticoids] Bredikis IuIu, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):360–1 (Eng. Abstr.) (Rus)
[Effect of nitrates on cardiodynamics in patients with atrioventricular block treated by electrocardiostimulation] Mikhaĭlov AA, et al. **Kardiologiia** 1984 Jul;24(7):71–4 (Eng. Abstr.) (Rus)
[Diagnostic and practical significance of the frequency changes in the electrical impulses of implanted pacemakers] Stirbis PP, et al. **Kardiologiia** 1985 May;25(5):35–8 (Eng. Abstr.) (Rus)
[Cholecystectomy in a patient with artificial pacemaker] Vinogradov VV, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):134–5 (Rus)
[Classification of implantable electrodes intended for constant electrostimulation of the heart] Bredikis IuIu, et al. **Med Tekh** 1985 Jan–Feb;(1):14–7 (Eng. Abstr.) (Rus)
[Electrophysiologic study of paroxysmal ventricular tachycardia resistant to drug therapy in evaluating treatment with an antitachycardia pacemaker] Grujić M, et al. **Srp Arh Celok Lek** 1984 Oct;112(10):1071–8 (Eng. Abstr.) (Scc)
[Electrical cardiac stimulation in carotid sinus syndrome (letter)] Cabo Salvador J. **Rev Esp Cardiol** 1984 Sep–Oct;37(5):381–3 (Spa)
[Programmable pacemaker. There are many advantages but also disadvantages] Kruse IB, et al. **Lakartidningen** 1984 Sep 12;81(37):3230–2 (Swe)
[A frequency–varied heart–stimulating pacemaker system is under further development] Rydén L, et al. **Lakartidningen** 1984 Sep 26;81(39):3516–9 (Swe)

ADVERSE EFFECTS

Pacemaker endocarditis: contribution of two–dimensional echocardiography. Daelemans R, et al. **Acta Cardiol (Brux)** 1984;39(4):293–9
Thrombosis complicating transvenous pacemaker lead presenting as contralateral internal jugular vein occlusion. Fitzgerald SP, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):593–5
Shock late after implantation of a permanent transvenous cardiac pacemaker. Bogart DB, et al. **Am J Cardiol** 1985 Apr 15;55(9):1241
Limb loss due to transvenous endocardial pacemaker therapy. Geller MJ, et al. **Am J Med** 1985 Feb;78(2):351–4
Intraoperative pacemaker complications. Shapiro WA, et al. **Anesthesiology** 1985 Sep;63(3):319–22
Injuries associated with percutaneous placement of transthoracic pacemakers. Brown CG, et al. **Ann Emerg Med** 1985 Mar;14(3):223–8
Myocardial perforation due to temporary transvenous pacing catheters in pediatric patients. Harris JP, et al. **Cathet Cardiovasc Diagn** 1984;10(4):329–33
Contralateral chylothorax: one more complication of subclavian venous puncture [letter] Polla B. **Chest** 1985 Feb;87(2):271
Pacemaker contact sensitivity. Peters MS, et al. **Contact Dermatitis** 1984 Oct;11(4):214–8
Pacemakers: normal function. Spielman SR. **Geriatrics** 1985 Jun;40(6):65–8, 71
Pacemaker syndrome [letter] Owen PM. **Heart Lung** 1985 Jan;14(1):106
Defect in lung perfusion and ventilation scanning of patients with permanent transvenous implantable pacemaker. Matsuura Y, et al. **Hiroshima J Med Sci** 1984 Mar;33(1):11–6
Intractable tachycardia and a dead battery. Laser J. **Hosp Pract [Off]** 1984 Oct;19(10):165, 169, 173
Pacemaker Twiddler's syndrome. Sathyamurthy I, et al. **Indian Heart J** 1984 Nov–Dec;36(6):406–7
Cross–talk in a DDD pacemaker leading to faulty programming. Sethi KK, et al. **Indian Heart J** 1985 Mar–Apr;37(2):123–4
Endless loop tachycardia started by an atrial premature complex in a patient with a dual chamber pacemaker. Frumin H, et al. **J Am Coll Cardiol** 1985 Mar;5(3):707–10
Technique for the surgical extraction of permanent pacing leads and electrodes. Byrd CL, et al. **J Thorac Cardiovasc Surg** 1985 Jan;89(1):142–4
The exposed cardiac pacemaker. Treatment by subfascial pocket relocation. Garcia–Rinaldi R, et al. **J Thorac Cardiovasc Surg** 1985 Jan;89(1):136–41
Complications of permanent transvenous pacing. Phibbs B, et al. **N Engl J Med** 1985 May 30;312(22):1428–32 (45 ref.)
Late infections of pacemaker units due to silicone rubber insulation boots. Buch J, et al. **PACE** 1985 Jul;8(4):494–6
Pacemaker headaches. Das G. **PACE** 1984 Sep;7(5):802–5
Tachycardias initiated by automatic antitachycardia pacemakers. Fåhraeus T, et al. **PACE** 1984 Nov;7(6 Pt 1):1049–54
Noninvasive detection of insulation break. Ferek B, et al. **PACE** 1984 Nov;7(6 Pt 1):1063–8

Tracking of atrial flutter during DDD pacing: another form of pacemaker-mediated tachycardia. Greenspon AJ, et al. **PACE** 1984 Nov;7(6 Pt 1):955-60

Pacemaker-mediated tachycardias: an unresolved problem. Harthorne JW, et al. **PACE** 1984 Nov;7(6 Pt 2):1140-7 (48 ref.)

Interference in pacemakers. Irnich W. **PACE** 1984 Nov;7(6 Pt 1):1021-48

Advantages and disadvantages of various upper and lower rate responses. Jacobson P, et al. **PACE** 1984 Nov;7(6 Pt 2):1183-6

Torsades de pointes: a rare complication of temporary pacing for permanent ventricular pacemaker failure. Janosik D, et al. **PACE** 1985 Jul;8(4):558-61

Cordis Gemini 415A DDD pulse generator [letter] La Combe MA. **PACE** 1984 Nov;7(6 Pt 1):1087-8

Cross-stimulation: the unexpected stimulation of the unpaced chamber. Levine PA, et al. **PACE** 1985 Jul;8(4):600-6

Recurrent pulmonary embolization following implantation of transvenous pacemaker. Pasquariello JL, et al. **PACE** 1984 Sep;7(5):790-3

Extraction of an intravascularized pacemaker lead--a new approach to an unusual problem. Schwartz AB, et al. **PACE** 1984 Nov;7(6 Pt 1):999-1003

Patient-initiated autonomous pacemaker tachycardia. Seltzer JP, et al. **PACE** 1984 Nov;7(6 Pt 1):961-9

Pacemaker syndrome with DDD pacing. Torresani J, et al. **PACE** 1984 Nov;7(6 Pt 2):1148-51

Myopotential interference inducing pacemaker tachycardia in a DVI programmed pacemaker. van Gelder LM, et al. **PACE** 1984 Nov;7(6 Pt 1):970-2

Twiddler's syndrome: a new twist. Veltri EP, et al. **PACE** 1984 Nov;7(6 Pt 1):1004-9

Pacemaker-mediated tachycardias: a new modality of treatment. Weber H, et al. **PACE** 1984 Nov;7(6 Pt 1):1010-6

Ventricular tachycardia due to a transvenous catheter pacemaker. Ridgeway NA, et al. **South Med J** 1985 Feb; 78(2):219-20

Pacemaker-associated sepsis: successful medical management. Tylman TA, et al. **South Med J** 1985 Sep; 78(9):1140-1

Late pulmonary embolization of a retained pacemaker electrode fragment after attempted transatrial extraction. Mayer ED, et al. **Thorac Cardiovasc Surg** 1985 Apr; 33(2):128-30

[The electrocardiogram of patients with pacemakers] Chen HZ. **Chung Hua I Hsueh Tsa Chih** 1984 Aug;64(8):511-6 **(Chi)**

[Pacemaker treatment with the self-anchoring electrode. Experience of 278 consecutive patients] Thuesen L, et al. **Ugeskr Laeger** 1984 May 21;146(21):1548-51 (Eng. Abstr.) **(Dan)**

[Sudden death in patients wearing pacemakers] Dodinot B, et al. **Ann Cardiol Angeiol (Paris)** 1985 Mar;34(3):161-6 (Eng. Abstr.) **(Fre)**

[Septicemia on endocavitary sounds for cardiac stimulation] Laskar M, et al. **Ann Cardiol Angeiol (Paris)** 1984 Nov; 33(7):471-3 (Eng. Abstr.) **(Fre)**

[Thromboembolic complications and permanent endocavitary stimulation catheters] Noury JF, et al. **Ann Cardiol Angeiol (Paris)** 1985 Jun;34(6):431-5 (Eng. Abstr.) **(Fre)**

[Efficacy and reversible nephrotoxicity of cefsulodin during treatment of septicemia from Pseudomonas aeruginosa infection of a pacemaker] Penalba C, et al. **Ann Med Interne (Paris)** 1984;135(7):519-22 (Eng. Abstr.) **(Fre)**

[Colliquation necrosis of the skin caused by a cardiac pacemaker] Kietzmann H, et al. **Dtsch Med Wochenschr** 1985 Mar 29;110(13):504-7 (Eng. Abstr.) **(Ger)**

[Complications of pacemaker therapy] Thormann J. **Lebensversicherungsmedizin** 1984 Oct 5;36(8):189-97 (Eng. Abstr.) **(Ger)**

[Lead fracture--a still frequent cardiac pacemaker complication?] Jaschke W, et al. **Zentralbl Chir** 1984; 109(16):1066-71 (Eng. Abstr.) **(Ger)**

[Incidence of the main complications of endocardial implantation of a pacemaker in relation to the type of catheter used. Results of the first 303 ventricular implants] Benedini G, et al. **Minerva Cardioangiol** 1984 Oct; 32(10):659-62 (Eng. Abstr.) **(Ita)**

[A case of a runaway pacemaker six years after implantation] Tago M, et al. **Kokyu To Junkan** 1985 Mar;33(3):459-61 (Eng. Abstr.) **(Jpn)**

[Competition of intrinsic cardiac rhythm with the rhythm of a permanent asynchronous electric cardiac stimulant] Sokolov SS, et al. **Klin Med (Mosk)** 1985 Feb;63(2):59-63 **(Rus)**

[Migration of the endocavitary electrodes of permanent pacemakers. Apropos of a case] Silvestre J, et al. **Rev Esp Cardiol** 1985 May-Jun;38(3):224-5 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Development of a coding system for pacemakers. Irnich W. **PACE** 1984 Sep;7(5):882-901

ECONOMICS

Report of the policy conference on pacemaker reuse sponsored by the North American Society of Pacing and Electrophysiology. Boal BH, et al. **J Am Coll Cardiol** 1985 Mar;5(3):808-10

Report of the policy conference on pacemaker re-use sponsored by the North American Society of Pacing and Electrophysiology. Boal BH, et al. **PACE** 1985 Mar; 8(2):161-3

STANDARDS

Radiation induced failures of complementary metal oxide semiconductor containing pacemakers: a potentially lethal complication. Lewin AA, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1967-9

Improved pacemaker fixation and performance using a modified finned porous surfaced tip lead. Hakki AH, et al. **Int Surg** 1984 Oct-Dec;69(4):291-4

Pacemaker electrodes and problems related to cardiac pacing and sensing: current solutions and future trends. Pioger G, et al. **Life Support Syst** 1984 Jul-Sep;2(3):169-81

Multiplexed data-acquisition module for use in the accelerated life testing of cardiac pacemakers. Evans AL, et al. **Med Biol Eng Comput** 1984 Sep;22(5):465-7

Sine2/triangle/square wave generator for pacemaker testing. Bičík V, et al. **PACE** 1985 Jul;8(4):484-93

A suggested code for permanent cardiac pacing leads. Bredikis JJ, et al. **PACE** 1985 May;8(3 Pt 1):320-1

Product-oriented research [letter] Sanders R. **PACE** 1985 May;8(3 Pt 1):468-9

[Functional disorders of chamber demand (VVI) and sequential AV (DDD) pacemakers caused by muscle potentials] Gerckens U, et al. **Dtsch Med Wochenschr** 1985 Aug 16;110(33):1245-8 (Eng. Abstr.) **(Ger)**

[Experiences with telemetry-supported pacemaker controls in patients with VVI pacemakers] Klein HH, et al. **Dtsch Med Wochenschr** 1985 Sep 20;110(38):1447-51 (Eng. Abstr.) **(Ger)**

[Monitoring studies in patients with a cardiac pacemaker] Markewitz A, et al. **Dtsch Med Wochenschr** 1985 Aug 16; 110(33):1255-7 **(Ger)**

UTILIZATION

Reuse of permanent cardiac pacemakers. Rosengarten MD, et al. **Can Med Assoc J** 1985 Aug 15;133(4):279-83

Re-use of pulse generators [letter] Schüller H. **PACE** 1985 Jul;8(4):619-20

[Use of pacemakers in Denmark 1982. Report from the Danish pacemaker registry] Fabricius J, et al. **Ugeskr Laeger** 1984 May 21;146(21):1545-7 (Eng. Abstr.) **(Dan)**

PACHYCURARES see **CURARE-LIKE AGENTS**

PACHYDERMOPERIOSTOSIS see **OSTEOARTHROPATHY, PRIMARY HYPERTROPHIC**

PACING, CARDIAC, ARTIFICIAL see **CARDIAC PACING, ARTIFICIAL**

PACINIAN CORPUSCLES see under **MECHANORECEPTORS**

PACKAGE INSERTS see **PRODUCT LABELING**

PACKAGE INSERTS, DRUG see **DRUG LABELING**

PACKAGING, DRUG see **DRUG PACKAGING**

PACTAMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

PADUTIN see **KALLIKREIN**

PAF-ACETHER see **PLATELET ACTIVATING FACTOR**

PAGET'S DISEASE, EXTRA-MAMMARY

[Extra-mammary Paget's carcinoma in a perianal location] Antoš F, et al. **Rozhl Chir** 1984 Jul;63(7):519-22 (Eng. Abstr.) **(Cze)**

ANALYSIS

Paget cells express cytokeratins typical of glandular epithelia. Kariniemi AL, et al. **Br J Dermatol** 1985 Feb;112(2):179-83

Lectin-binding sites in Paget's disease. Tamaki K, et al. **Br J Dermatol** 1985 Jul;113(1):17-24

COMPLICATIONS

Paget's disease of the vulva complicated by bladder carcinoma. Case report. Tuck SM, et al. **Br J Obstet Gynaecol** 1985 Apr;92(4):416-8

Paget's disease of the anal mucosa in association with carcinoma demonstrating mucoepidermoid features. Giltman LI, et al. **J Surg Oncol** 1985 Apr;28(4):277-80

DIAGNOSIS

Pruritus ani: could it be malignant? Powell FC, et al. **Geriatrics** 1985 Jan;40(1):89-91

DRUG THERAPY

[Phase III controlled studies of bestatin in malignant tumors of the skin--results of treatment of squamous cell carcinoma and genital Paget's disease] Ikeda S, et al. **Gan To Kagaku Ryoho** 1985 Jun;12(6):1260-6 (Eng. Abstr.) **(Jpn)**

HISTORY

[Beethoven's disease--Paget's disease? New sources, new interpretations] Bankl H. **Pathologe** 1985 Jan;6(1):46-50 **(Ger)**

IMMUNOLOGY

Phenotypic characterization of skin-infiltrating cells in pagetoid reticulosis by monoclonal antibodies. Gonzalez M, et al. **Acta Derm Venereol (Stockh)** 1984;64(5):421-4

Evaluation of carcinoembryonic antigen in extramammary Paget's disease. Furukawa F, et al. **J Cutan Pathol** 1984 Dec;11(6):558-61

Tumour-associated antigens in mammary and extramammary Paget's disease. Mariani-Costantini R, et al. **Virchows Arch [A]** 1985;405(3):333-40

METABOLISM

Lectin-binding pattern in extramammary Paget's disease by horseradish peroxidase (HRP)-labeling method--specific staining with Dolichos biflorus agglutinin (DBA). Ookusa Y, et al. **Arch Dermatol Res** 1985;277(1):65-70

[Histochemical studies of lectin binding pattern in human skin, II. Lectin binding pattern in genital Paget's disease] Ookusa Y. **Nippon Hifuka Gakkai Zasshi** 1984 Sep; 94(10):1165-72 **(Jpn)**

PATHOLOGY

Paget's cells. New evidence linking mammary and extramammary Paget cells to a common cell phenotype. Nagle RB, et al. **Am J Clin Pathol** 1985 Apr;83(4):431-8

Extramammary Paget's disease of the perianal and perineal regions. Evidence of apocrine derivation. Merot Y, et al. **Arch Dermatol** 1985 Jun;121(6):750-2

Epidermotropic urothelial carcinoma involving the glans penis. Metcalf JS, et al. **Arch Dermatol** 1985 Apr; 121(4):532-4

Severe bleeding complicating percutaneous bone marrow biopsy [letter] Ben-Chetrit E, et al. **Arch Intern Med** 1984 Nov;144(11):2284

Immunohistochemical study of mammary and extra-mammary Paget's disease. Vanstapel MJ, et al. **Histopathology** 1984 Nov;8(6):1013-23

A case of osteolytic Paget's disease. Sudanese A. **Ital J Orthop Traumatol** 1984 Sep;10(3):421-4

Genital Paget's disease and urinary tract malignancy. Powell FC, et al. **J Am Acad Dermatol** 1985 Jul;13(1):84-90

Cells of extramammary Paget's disease express cytokeratins different from those of epidermal cells. Moll I, et al. **J Invest Dermatol** 1985 Jan;84(1):3-8

Extramammary Paget's disease of the vulva in a young, black woman. A case report with histogenic confirmation by immunostaining. Stapleton JJ. **J Reprod Med** 1984 Jul; 29(7):444-6

[Extra-mammary Paget's disease] Kanitakis J. **Ann Dermatol Venereol** 1985;112(1):75-87 **(Fre)**

[A clinicopathological study of 11 patients with Paget's disease of the vulva] Kodama S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):861-70 (Eng. Abstr.) **(Jpn)**

SECRETION

Glandular extramammary Paget's disease [letter] Matsuo S, et al. **Arch Dermatol** 1985 Jun;121(6):716-7

SURGERY

Surgical treatment of genital Paget's disease in men. Wada H, et al. **Ann Plast Surg** 1984 Sep;13(3):199-204

PAGET'S DISEASE OF BONE see **OSTEITIS DEFORMANS**

PAGET'S DISEASE OF BREAST see under **CARCINOMA, DUCTAL**

PAIN

see related
ANALGESIA
MYOFASCIAL PAIN SYNDROMES

Sexuality and chronic pain. Cash JT. **Am J Nurs** 1984 Nov; 84(11):1417

Fentanyl and alfentanil suppress brainstem pain transmission. Yuge O, et al. **Anesth Analg** 1985 Jun;64(6):597-600

Serum amylase isoenzyme alterations in acute abdominal conditions. Swensson EE, et al. **Ann Emerg Med** 1985 May; 14(5):421-3

Deafferentation in animals as a model for the study of pain: an alternative hypothesis. Rodin BE, et al. **Brain Res** 1984 Aug;319(3):213-28 (109 ref.)

Relevance of prostaglandins in migraine. Parantainen J, et al. **Cephalalgia** 1985 May;5 Suppl 2:93-7

Impact of thallium-201 imaging on clinical assessment and management of patients with chest pain. Schmoliner R, et al. **Clin Cardiol** 1984 Dec;7(12):660-6

Reflections on chronic pain in gynecologic practice. Renaer

M. **Eur J Obstet Gynecol Reprod Biol** 1984 Dec; 18(5-6):245-54

Clinical diagnosis of shoulder pain. Gerhart TN, et al. **Hosp Pract [Off]** 1985 Sep 15;20(9):134-6, 140-1

Thalamic pain syndrome. Nuzzo JL, et al. **Hosp Pract [Off]** 1985 Aug 15;20(8):32C-32D, 32H-32J

Time of onset of chest pain in acute myocardial infarction. Thompson DR, et al. **Int J Cardiol** 1985 Feb;7(2):139-48

The natural history of anterior knee pain in adolescents. Sandow MJ, et al. **J Bone Joint Surg [Br]** 1985 Jan; 67(1):36-8

A difficult chest pain. Morse RH. **J La State Med Soc** 1985 Jan;137(1):17-8, 20

Pain as a symptom in depressive disorders and its relationship to platelet monoamine oxidase activity. von Knorring L, et al. **J Neural Transm** 1984;60(1):1-9

Pain slowly surrenders its secrets as research seeks opiates, new class of analgesics [news] Fletcher C. **JAMA** 1984 Dec 21;252(23):3236-9

Pain in animals [letter] Molony V. **Nature** 1985 Sep 5-11; 317(6032):10

Myalgic encephalomyelitis [letter] Gow PJ. **NZ Med J** 1984 Dec 12;97(769):868

Parturition in non-human primates: pain and auditory concealment. Lefebvre L, et al. **Pain** 1985 Apr;21(4):315-27

Pain in infancy: conceptual and methodological issues. Owens ME. **Pain** 1984 Nov;20(3):213-30 (97 ref.)

The chronic pain patient. Evaluation and management. Gildenberg PL, et al. **Pain Headache** 1985;7:1-148

Symposium on recurrent pain in children. **Pediatr Clin North Am** 1984 Oct;31(5):947-1155

Recurrent abdominal pain in school children: the loneliness of the long-distance physician. Levine MD, et al. **Pediatr Clin North Am** 1984 Oct;31(5):969-91 (25 ref.)

Recurrent pains in children: an overview and an approach. Schechter NL. **Pediatr Clin North Am** 1984 Oct; 31(5):949-68 (61 ref.)

Heel pain due to retrocalcaneal bursitis-radiographic diagnosis (with an historical footnote on Sever's disease). Heneghan MA, et al. **Pediatr Radiol** 1985;15(2):119-22

Chronic pain. Characteristics, assessment, and treatment plans. Ruoff GE, et al. **Postgrad Med** 1985 Sep 15; 78(4):91-7

Chronic pain from the perspective of health: a view based on systems theory. Engelbart HJ, et al. **Soc Sci Med** 1984; 19(12):1383-92 (49 ref.)

Pain; still an intriguing puzzle [editorial] Menges LJ. **Soc Sci Med** 1984;19(12):1257-60

Disease and social theory: a problem of conversation. Baross Z. **Theor Med** 1985 Jun;6(2):189-204

The language of pain. Ehlich K. **Theor Med** 1985 Jun; 6(2):177-87

Acute appendicitis presenting as acute left scrotal pain: diagnostic considerations. Wilkins SA Jr, et al. **Urology** 1985 Jun;25(6):634-6

More on pains cured by examination [letter] Schneiderman H, et al. **West J Med** 1985 Jan;142(1):102

[Thoracic pain, dyspnea] Baumgart P, et al. **Schweiz Rundsch Med Prax** 1985 Jun 18;74(25):684-7 (Eng. Abstr.) **(Ger)**

[On the relation between blood and spinal fluid beta-endorphins and pain caused by disk hernia] Solini A, et al. **Minerva Anestesiol** 1984 Sep;50(9):459-64 (Eng. Abstr.) **(Ita)**

[Terminology associated with the perception of pain. (Terms in algology)] Djordjević S. **Srp Arh Celok Lek** 1983 Aug; 111(8):1181-6 **(Scc)**

[Chest pain--an ongoing problem in differential diagnostics in cardiology practice] Jakovljević M, et al. **Lijec Vjesn** 1985 Feb;107(2):55-60 (Eng. Abstr.) **(Scr)**

[Surgical treatment of the painful groin] Horský I, et al. **Acta Chir Orthop Traumatol Cech** 1984 Jul;51(4):350-3 (Eng. Abstr.) **(Slo)**

[The painful heel--calcar calcanei] Maar D, et al. **Bratisl Lek Listy** 1984 Jul;82(1):887-90 (Eng. Abstr.) **(Slo)**

[Minimal anesthesia for painful mobilizations in rheumatology] Roqué Molina MH. **Rev Fac Cien Med Univ Nac Cordoba** 1983;41(2):39-41 **(Spa)**

BLOOD

Pain and plasma beta-endorphin level during labor. Räisänen I, et al. **Obstet Gynecol** 1984 Dec;64(6):783-6

CHEMICALLY INDUCED

Pain of skin infiltration with local anaesthetics [letter] Thomas DV. **Anaesth Intensive Care** 1985 Feb;13(1):101

Oral estrogen replacement and abdominal pain. A report of two cases. Ansbacher R. **J Reprod Med** 1984 Dec; 29(12):881-2

Characterization of the hyperalgesic effect induced by intrathecal injection of substance P. Matsumura H, et al. **Neuropharmacology** 1985 May;24(5):421-6

Ergonovine-induced chest pain not due to coronary or esophageal spasm [letter] Bergeron GA, et al. **West J Med** 1984 Aug;141(2):245-6

[Upper abdominal pain and rapidly progressing dyspnea after an overdose of an antihypotensive agent (letter)] von Scheidt W, et al. **Dtsch Med Wochenschr** 1985 May 24; 110(21):857-8 **(Ger)**

[Aminophyllin toxicity due to combined aminophyllin-cimetidine therapy] Tishler M, et al. **Harefuah** 1984 Jun 1;106(11):507 (Eng. Abstr.) **(Heb)**

CLASSIFICATION

Verbal pain descriptors used by patients with arthritis. Wagstaff S, et al. **Ann Rheum Dis** 1985 Apr;44(4):262-5

What objective measures are there for evaluating pain? Torgerson WS. **J Trauma** 1984 Sep;24(9 Suppl):S187-97

Re: A brief comment on 'the headache scale: a new approach to the assessment of headache pain based on pain descriptions' [letter] Williams DE, et al. **Pain** 1984 Sep; 20(1):107-8

An approach to chronic pain of non-malignant origin. Crue BL, et al. **Postgrad Med J** 1984 Dec;60(710):858-64

[Typology and etiopathogenesis of breast pain] Meggiorini ML, et al. **Minerva Med** 1985 Jan 28;76(3-4):113-8 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Is pain crisis a cause of death in sickle cell disease? Parfrey NA, et al. **Am J Clin Pathol** 1985 Aug;84(2):209-12

The relationship of peripheral trauma and pain to dystonia. Schott GD. **J Neurol Neurosurg Psychiatry** 1985 Jul; 48(7):698-701

Idiopathic eosinophilic myositis with preexisting fibromyalgia. Yonker RA, et al. **J Rheumatol** 1985 Feb; 12(1):165-7

Hypokalaemia presenting with leg pain in Bartter's syndrome [letter] Bold AM, et al. **Lancet** 1984 Oct 27;2(8409):989

Painful diabetic neuropathy [letter] Dandona P, et al. **Lancet** 1985 Mar 23;1(8430):697

DIAGNOSIS

Chronic recurrent abdominal pain in childhood due to mesenterium ileocolicum commune. Two cases with normal rotation of the intestine. Knudtzon J, et al. **Acta Chir Scand** 1985;151(3):291-5

Malrotation in children with symptoms of gastrointestinal allergy and psychosomatic abdominal pain. Kullendorff CM, et al. **Acta Paediatr Scand** 1985 Mar;74(2):296-9

Sonography vs. excretory urography in acute flank pain. Hill MC, et al. **AJR** 1985 Jun;144(6):1235-8

Value of noninvasive assessment of patients with atypical chest pain and suspected coronary spasm using ergonovine infusion and thallium-201 scintigraphy. DiCarlo LA Jr, et al. **Am J Cardiol** 1984 Oct 1;54(7):744-8

Rationale and experience with visual analogue toys [letter] White JB, et al. **Anaesthesia** 1985 Jun;40(6):601-3

The diagnosis and treatment of the acute scrotum in children and adolescents. Knight PJ, et al. **Ann Surg** 1984 Nov; 200(5):664-73

Acute chest pain in the emergency room. Identification and examination of low-risk patients. Lee TH, et al. **Arch Intern Med** 1985 Jan;145(1):65-9

Risk stratification. A cost-effective approach to the treatment of patients with chest pain [editorial] Plotnick GD, et al. **Arch Intern Med** 1985 Jan;145(1):41-2

Childhood Guillain-Barré syndrome masquerading as a protracted pain syndrome [letter] Mikati MA, et al. **Arch Neurol** 1985 Sep;42(9):839

Angina pectoris presenting as pain of the soft palate. Edge CJ. **Br Dent J** 1985 May 11;158(9):335-6

Abdominal pain as a presenting symptom of male germ cell tumour. Hogan P, et al. **Br J Urol** 1985 Apr;57(2):197-9

Pulmonary thromboembolism presenting as abdominal pain [letter] **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1540-1

Duration of chest pain associated with acute myocardial infarction: a predictor of long-term prognosis. Ledwich JR, et al. **Can Med Assoc J** 1985 Feb 1;132(3):249-51

The complaints and dietary habits of the patients with gastritis and undefined abdominal pain. Harju E. **Chir Ital** 1985 Feb;37(1):29-36

The diagnosis of ectopic pregnancies in cases of lower abdominal pain using beta subunit assay of human chorionic gonadotropin. Ben-Rafael Z, et al. **Clin Exp Obstet Gynecol** 1985;12(1-2):20-5

Analogue chromatic continuous scale (ACCS): a new method for pain assessment. Grossi E, et al. **Clin Exp Rheumatol** 1983 Oct-Dec;1(4):337-40

Musculoskeletal manifestations of bacterial endocarditis. Levo Y, et al. **Clin Exp Rheumatol** 1983 Jan-Mar;1(1):49-52

Analysis of historical variables, risk factors and the resting electrocardiogram as an aid in the clinical diagnosis of recurrent chest pain. Joswig BC, et al. **Comput Biol Med** 1985;15(2):71-80

Exertional chest pain in a five-year-old boy. Greenwood RD. **Hosp Pract [Off]** 1984 Nov;19(11):216, 219

Systematic bias in recording the history in patients with chest pain. Hickam DH, et al. **J Chronic Dis** 1985;38(1):91-100

Assessment of acute pain and anxiety in children and adolescents by self-reports, observer reports, and a behavior checklist. LeBaron S, et al. **J Consult Clin Psychol** 1984 Oct;52(5):729-38

Facial pain complaints in the elderly. Marciani RD, et al. **J Oral Maxillofac Surg** 1985 Mar;43(3):173-6

Audit of abdominal pain in general practice. Edwards MW, et al. **J R Coll Gen Pract** 1985 May;35(274):235-8

Elbow pain. Sheahan SL. **Nurse Pract** 1985 May;10(5):51, 56

Diagnosis of Eagle's syndrome. Sivers JE, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):575-7

The formalin test: a tonic pain model in the primate. Alreja M, et al. **Pain** 1984 Sep;20(1):97-105

Labor pain assessment: validity of a behavioral index. Bonnel AM, et al. **Pain** 1985 May;22(1):81-90

Pain measurement: an overview. Chapman CR, et al. **Pain** 1985 May;22(1):1-31

The McGill Pain Questionnaire in the assessment of phasic and tonic experimental pain: behavioral evaluation of the 'pain inhibiting pain' effect. Chen AC, et al. **Pain** 1985 May; 22(1):67-79

The McGill Pain Questionnaire reconsidered: confirming the factor structure and examining appropriate uses. Turk DC, et al. **Pain** 1985 Apr;21(4):385-97

Chest pain in children. Selbst SM. **Pediatrics** 1985 Jun; 75(6):1068-70

Wrist pain. How to identify the cause and treat it. Foster RJ. **Postgrad Med** 1984 Oct;76(5):117-24, 128

The relation of chest pain symptoms to angiographic findings of coronary artery stenosis and neuroticism. Costa PT, et al. **Psychosom Med** 1985 May-Jun;47(3):285-93

A behavioral analysis of chest pain in patients suspected of having coronary artery disease. Engel BT, et al. **Psychosom Med** 1985 May-Jun;47(3):274-84

Recent developments in the classification of pain. Bouckoms AJ. **Psychosomatics** 1985 Aug;26(8):637-42, 645

Ultrasound versus excretory urography in evaluating acute flank pain. Laing FC, et al. **Radiology** 1985 Mar; 154(3):613-6

Non-ulcer upper dyspepsia. Aspects of pain. Jørgensen LS, et al. **Scand J Gastroenterol** 1985 Jan;20(1):46-50

[Chest pain in general practice] Schmidt H, et al. **Ugeskr Laeger** 1984 Jul 2;146(27):2008-11 (Eng. Abstr.) **(Dan)**

[Sexuality and chronic urologic pain with no perceptible clinical cause in men] Mimoun MS. **Ann Urol (Paris)** 1984 Sep;18(5):331-6 (Eng. Abstr.) **(Fre)**

[Results of cholecystectomy in painful abdominal crises of children with sickle cell anemia] Gerry F, et al. **Chir Pediatr** 1984;25(6):325-8 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of the shoulder in athletes] Crielaard JM, et al. **Rev Med Liege** 1985 Feb 15;40(4):140-4 **(Fre)**

[Cervical pain] Regli F, et al. **Rev Med Suisse Romande** 1985 Apr;105(4):317-21 **(Fre)**

[Chest pain of esophageal origin] Jobin G. **Union Med Can** 1984 Dec;113(12):1006-9 (Eng. Abstr.) **(Fre)**

[Pain diagnosis and pain measurement. II. Clinical aspects] Bangert J, et al. **Anasth Intensivther Notfallmed** 1984 Oct; 19(5):226-30 (Eng. Abstr.) **(Ger)**

[Pain diagnosis and pain measurement. I. Experimental procedures] Bangert J, et al. **Anasth Intensivther Notfallmed** 1984 Oct;19(5):221-5 (Eng. Abstr.) **(Ger)**

[Diagnosis and differential diagnosis of acute chest pain] Goeckenjan G. **Dtsch Med Wochenschr** 1985 Feb 8; 110(6):224-7 **(Ger)**

[Possibilities for the objective evaluation of the glossalgia and stomatodynia syndrome. 3. Stereognostic studies] Wagner IV. **Zahn Mund Kieferheilkd** 1984;72(5):425-30 (Eng. Abstr.) **(Ger)**

[Hydatid cysts of Morgagni as a cause of abdominal pain] Friedler D, et al. **Harefuah** 1985 Jan 1;108(1):20-1 (Eng. Abstr.) **(Heb)**

[Postoperative pain and methods for its control] Capellaro L, et al. **Minerva Med** 1985 Feb 11;76(5):163-76 (Eng. Abstr.) **(Ita)**

[Laparoscopic findings in pelvic pain. A comparison with clinical gynecological findings] Hals T, et al. **Tidsskr Nor Laegeforen** 1985 Apr 30;105(12):804-5 (Eng. Abstr.) **(Nor)**

[Abdominal migraine in adults] Prusiński A. **Wiad Lek** 1984 Nov 1;37(21):1718-21 (Eng. Abstr.) **(Pol)**

[Thoracic pain syndromes] Popelianskiĭ IaIu, et al. **Revmatologiia (Moskva)** 1984 Oct-Dec;(4):65-9 **(Rus)**

[Attempt at objective evaluation of pain and analgesia during stimulation of the posterior columns in patients with spinal cord lesions] Livshits AV, et al. **Zh Vopr Neirokhir** 1984 Nov-Dec;(6):42-7 (Eng. Abstr.) **(Rus)**

DIET THERAPY

[Nutrition of children with acute bronchitis associated with an abdominal pain syndrome] Sheĭbak MP, et al. **Vopr Pitan** 1984 Nov-Dec;(6):64 **(Rus)**

DRUG EFFECTS

The occurrence of cross-tolerance between morphine and ethyl-ketocyclazocine using the tail-flick test: lack of effect of diazepam, phenobarbital, or amphetamine. Eisenberg RM. **Life Sci** 1985 Sep 9;37(10):915-22

DRUG THERAPY

Thoracic epidural analgesia in the treatment of rib fractures. Abouhatem R, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:271-5

A long-term open, clinical and pharmacokinetic assessment of sublingual buprenorphine in patients suffering from chronic pain. Adriaensen H, et al. **Acta Anaesthesiol Belg** 1985 Mar;36(1):33-40

Indomethacin reduces raised intraluminal gallbladder pressure in acute cholecystitis. Thornell E, et al.

Acta Chir Scand 1985;151(3):261-5

A comparison of the effects of flupentixol and relaxation on laboratory pain: an experimental study. Anseth E, et al. **Acta Neurol Scand** 1985 Jan;71(1):20-4

Treatment of recurrent cyclical mastodynia in patients with fibrocystic breast disease. A double-blind placebo-controlled study--the Hjørring project. Döberl A, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;123:177-84

Treatment of pain with antidepressants. Clifford DB. **Am Fam Physician** 1985 Feb;31(2):181-5 (19 ref.)

Relief of myocardial ischemia pain with a gastrointestinal cocktail. Servi RJ, et al. **Am J Emerg Med** 1985 May; 3(3):208-9

Chronic pain syndrome. Addison RG. **Am J Med** 1984 Sep 10;77(3A):54-8

Peripherally acting analgesics. Amadio P Jr. **Am J Med** 1984 Sep 10;77(3A):17-26

Pain and inflammation. Calin A. **Am J Med** 1984 Sep 10; 77(3A):9-16

Narcotic analgesia for the elderly. McCaffery M. **Am J Nurs** 1985 Mar;85(3):296, 298

The abdominal pelvic pain syndrome: fact or fiction [letter] Dhont M, et al. **Am J Obstet Gynecol** 1985 Mar 1; 151(5):701-3

Naproxen sodium for pain relief in first-trimester abortion. Suprapto K, et al. **Am J Obstet Gynecol** 1984 Dec 15; 150(8):1000-1

Management of fifty cases of chest injury with a regimen of epidural bupivacaine and morphine. Rankin AP, et al. **Anaesth Intensive Care** 1984 Nov;12(4):311-4

Tricyclic antidepressants in treatment of depression and chronic pain: analysis of the supporting evidence. Rosenblatt RM, et al. **Anesth Analg** 1984 Nov; 63(11):1025-32 (105 ref.)

Prolonged release extradural morphine. Howard EC, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):8-10

Intraspinal narcotics. A new method of pain management. Warfield CA. **AORN J** 1985 May;41(5):910-2, 914

Monoamine oxidase inhibitors in patients with chronic pain [letter] Davidson J, et al. **Arch Gen Psychiatry** 1985 Jun; 42(6):635-6

Lidocaine and the reduction of post-venographic pain. Ockelford PA, et al. **Aust NZ J Med** 1984 Oct;14(5):622-5

Fixation of extradural catheters by means of subcutaneous tissue tunnelling. Carl P, et al. **Br J Anaesth** 1984 Dec; 56(12):1369-71

The relief of pain. Matts SG. **Br J Clin Pract** 1984 Oct; 38(10):337-42

A comparative study of Propain and a dextropropoxyphene/paracetamol combination analgesic. Middleton RS, et al. **Br J Clin Pract** 1985 Jan;39(1):21-4

Characterization of the spinal adrenergic receptors mediating the spinal effects produced by the microinjection of morphine into the periaqueductal gray. Camarata PJ, et al. **Brain Res** 1985 Jun 10;336(1):133-42

An alpha 2 receptor mediates the selective inhibition by noradrenaline of nociceptive responses of identified dorsal horn neurones. Fleetwood-Walker SM, et al. **Brain Res** 1985 May 20;334(2):243-54

Can tolerance to morphine be induced in arthritic rats? Kayser V, et al. **Brain Res** 1985 May 20;334(2):335-8

Studies on spinal opiate receptor pharmacology. III. Analgetic effects of enkephalin dimers as measured by cutaneous-thermal and visceral-chemical evoked responses. Schmauss C, et al. **Brain Res** 1985 Jul 1; 337(2):209-15

Studies on pain. Effects of morphine on a spinal nociceptive flexion reflex and related pain sensation in man. Willer JC. **Brain Res** 1985 Apr 1;331(1):105-14

The graded and quantal nature of opioid analgesia in the rat tailflick assay. Yoburn BC, et al. **Brain Res** 1985 Apr 8;331(2):327-36

Controversies in pain relief in anaesthesia. Calgary, Alberta, November 17, 1984. **Can Anaesth Soc J** 1985 Jul; 32(4):390-401

Drug management of pain in cancer patients [letter] Appel WC. **Can Med Assoc J** 1985 Apr 15;132(8):899-900

Drug management of pain in cancer patients [letter] Cornett W. **Can Med Assoc J** 1985 Jun 1;132(11):1253

Drug management of pain in cancer patients. Tuttle CB. **Can Med Assoc J** 1985 Jan 15;132(2):121-34 (136 ref.)

Measurement of plasma levels of clomipramine in the treatment of chronic pain. Montastruc JL, et al. **Clin Neuropharmacol** 1985;8(1):78-82

Treatment of chronic pain of malignant origin with intrathecal opiates. Onofrio BM. **Clin Neurosurg** 1983; 31:304-15

Sublingual morphine sulfate in chronic pain management [letter] Hirsh JD. **Clin Pharm** 1984 Nov-Dec;3(6):585-6

Progress and problems with pain [editorial] Lipman AG. **Clin Pharm** 1985 Jan-Feb;4(1):80-1

Crossover and noncrossover designs in four-point parallel line analgesic assays. James KE, et al. **Clin Pharmacol Ther** 1985 Mar;37(3):242-52

Reassessment of verbal and visual analog ratings in analgesic studies. Littman GS, et al. **Clin Pharmacol Ther** 1985 Jul; 38(1):16-23

Ceruletide analgesia in biliary colic. Pardo A, et al. **Clin Pharmacol Ther** 1984 Oct;36(4):510-4

Suprofen: the pharmacology and clinical efficacy of a new non-narcotic peripheral analgesic. Tolman EL, et al. **Clin Rheum Dis** 1984 Aug;10(2):353-68 (51 ref.)

Double-blind placebo-controlled trial of baclofen, alone and in combination, in patients undergoing voluntary abortion. Corli O, et al. **Clin Ther** 1984;6(6):800-7

A comparison between meptazinol and dextropropoxyphene plus paracetamol in elderly patients with musculoskeletal pains. Orö L. **Curr Med Res Opin** 1984;9(4):240-5

Tiaprofenic acid. A review of its pharmacological properties and therapeutic efficacy in rheumatic diseases and pain states. Sorkin EM, et al. **Drugs** 1985 Mar;29(3):208-35 (88 ref.)

Pharmacokinetics of the oral narcotic analgesic bezitramide and preliminary observations on its effect on experimentally induced pain. Meijer DK, et al. **Eur J Clin Pharmacol** 1984; 27(5):615-8

Therapeutic effects of delta-sleep-inducing peptide (DSIP) in patients with chronic, pronounced pain episodes. A clinical pilot study. Larbig W, et al. **Eur Neurol** 1984; 23(5):372-85

Stimulation of the periaqueductal gray subdues sensitized pain in morphine- and meperidine-dependent rats. Emmers R. **Exp Neurol** 1985 May;88(2):405-17

Undermedication for pain on a burn unit. Perry SW. **Gen Hosp Psychiatry** 1984 Oct;6(4):308-16

Epidural and intrathecal narcotics for pain management. Leib RA, et al. **Heart Lung** 1985 Mar;14(2):164-74 (56 ref.)

Chronic pain management: science and art. Holland JC. **Hosp Community Psychiatry** 1984 Oct;35(10):971

Analgesic efficacy of dextropropoxyphene and dextropropoxyphene-containing combinations: a review. Beaver WT. **Hum Toxicol** 1984 Aug;3 Suppl:191S-220S (69 ref.)

Design of clinical trials of analgesic drugs. Huskisson EC. **Hum Toxicol** 1984 Aug;3 Suppl:187S-189S

Distalgesic; safety and efficacy. Efficacy: UK experience. Sturrock RD. **Hum Toxicol** 1984 Aug;3 Suppl:221S-227S

The use of antidepressants, anticonvulsants and neuroleptic drugs in treating pain. Evans WO. **Indiana Med** 1985 Jun; 78(6):491-3

Continuous perineural infusions of bupivacaine for prolonged analgesia--a rapid two-point method for estimating individual pharmacokinetic parameters. Denson DD, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Oct;22(10):552-6

Pain relief in the rheumatic and other disorders. Hart FD. **Int Rehabil Med** 1985;7(2):87-90

Epidural and intrathecal morphine in intensive care units. Rawal N, et al. **Intensive Care Med** 1985;11(3):129-33

Adjunctive antianxiety agents in the management of chronic pain. Yosselson-Superstine S, et al. **Isr J Med Sci** 1985 Feb;21(2):113-7

Dimethyl sulfoxide dehydration of the foot. A case history. Subotnick SI. **J Am Podiatr Med Assoc** 1985 May; 75(5):263-5

Psychopharmacological agents in the treatment of pain. Atkinson JH Jr, et al. **J Bone Joint Surg [Am]** 1985 Feb; 67(2):337-42

The effect of tolmetin on the chronic pain and decreased functional capacity associated with degenerative joint disease. Amadio P Jr, et al. **J Clin Pharmacol** 1985 Mar; 25(2):100-8

Double-blind parallel comparison of single oral doses of ketoprofen, codeine, and placebo in patients with moderate to severe dental pain. Mehlisch D, et al. **J Clin Pharmacol** 1984 Nov-Dec;24(11-12):486-92

Central effects of zomepirac on pain evoked by intraneural stimulation in man. Schady W, et al. **J Clin Pharmacol** 1984 Oct;24(10):429-35

A comparative oral analgesic study of indoprofen, aspirin, and placebo in postpartum pain. Sunshine A, et al. **J Clin Pharmacol** 1985 Jul-Aug;25(5):374-80

Maprotiline in pain-depression. Lindsay PG, et al. **J Clin Psychiatry** 1985 Jun;46(6):226-8

A double-blind randomized study of an aspirin/caffeine combination versus acetaminophen/aspirin combination versus acetaminophen versus placebo in patients with moderate to severe post-partum pain. Rubin A, et al. **J Int Med Res** 1984;12(6):338-45

Management of cancer pain. Maguire LC. **J Ky Med Assoc** 1985 Mar;83(3):128-32

Porphyria and pain management. Morse RH. **J La State Med Soc** 1984 Aug;136(8):15-6, 18

A chronically implanted delivery system of drugs to a nerve-end neuroma: effects on a behavioural chronic pain model. Seltzer Z, et al. **J Neurosci Methods** 1985 May; 13(3-4):223-9

Clinical notes in therapeutics: psychotropic drugs for the management of chronic pain. Rye LA, et al. **J Oral Med** 1985 Jul-Sep;40(3):160-1

A rapid method for the determination of blood morphine concentration suitable for use in studies involving acute and chronic pain. Gourlay GK, et al. **J Pharmacol Methods** 1985 Jul;13(4):317-24

Obesity and post-operative pain. Rand CS, et al. **J Psychosom Res** 1985;29(1):43-8

Effect of prostaglandin E2 on puerperal breast discomfort and prolactin secretion. Tulandi T, et al. **J Reprod Med** 1985 Mar;30(3):176-8

Drug combinations for pain [editorial] **Lancet** 1984 Oct 6; 2(8406):793-4

Totally implanted access port for epidural injections [letter] Andersen HB, et al. **Lancet** 1985 Mar 2;1(8427):511-2

Clinical experience of drug treatments for mastalgia. Pye JK, et al. **Lancet** 1985 Aug 17;2(8451):373-7

Inhaled salbutamol for proctalgia fugax [letter] Wright JE. **Lancet** 1985 Sep 21;2(8456):659-60

Modern techniques to measure pain in healthy man. Bromm B. **Methods Find Exp Clin Pharmacol** 1985 Mar;7(3):161-9

The mechanisms of pain and opioid-induced analgesia. Smith TW. **Mol Aspects Med** 1984;7(6):509-45

Pain relief in myocardial infarction after continuous epidural morphine analgesia [letter] Skoeld M, et al. **N Engl J Med** 1985 Mar 7;312(10):650

Drug pumps for treatment of neurologic diseases and pain. Penn RD. **Neurol Clin** 1985 May;3(2):439-51 (30 ref.)

Further evidence for a bidirectional effect of naloxone on the pain threshold in tolerant and non-tolerant arthritic rats. Kayser V, et al. **Neuropeptides** 1984 Dec;5(1-3):49-52

Monosodium glutamate and analgesia induced by morphine. Test-specific effects. Badillo-Martinez D, et al. **Neuropharmacology** 1984 Oct;23(10):1141-9

Limited involvement of central noradrenergic pathways in morphine-induced antinociception. Berge OG, et al. **Neuropharmacology** 1984 Oct;23(10):1179-85

Exposure to rotating magnetic fields alters morphine-induced behavioral responses in two strains of mice. Kavaliers M, et al. **Neuropharmacology** 1985 Apr;24(4):337-40

The putative serotonin receptor agonist 8-hydroxy-2-(di-n-propylamino)tetralin antagonizes the antinociceptive effect of morphine. Berge OG, et al. **Neurosci Lett** 1985 Feb 28;54(1):71-5

Dermorphin, a new peptide from amphibian skin, inhibits the nociceptive thalamic neurons firing rate evoked by noxious stimuli. Braga PC, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):165-9

Anticholinesterase drugs in the treatment of chronic pain. Schott GD, et al. **Pain** 1984 Oct;20(2):201-6

Chronic pain of childhood: a pharmacologic approach. Lacouture PG, et al. **Pediatr Clin North Am** 1984 Oct; 31(5):1133-51 (33 ref.)

Clonidine reverses methylxanthine-induced potentiation of baclofen antinociception. Steardo L, et al. **Pharmacol Biochem Behav** 1985 May;22(5):905-7

Pharmacology of spinal adrenergic systems which modulate spinal nociceptive processing. Yaksh TL. **Pharmacol Biochem Behav** 1985 May;22(5):845-58 (100 ref.)

Analgesic effect of acetaminophen, phenyltoloxamine and their combination in postoperative oral surgery pain. Forbes JA, et al. **Pharmacotherapy** 1984 Jul-Aug;4(4):221-6

A multi-centre general practice study evaluating the efficacy and tolerance of ibuprofen in common painful conditions. Benvenuti C, et al. **Pharmatherapeutica** 1984;4(1):9-12

Psychotropic drugs. Hanks GW. **Postgrad Med J** 1984 Dec; 60(710):881-5

Analgesics. Twycross RG. **Postgrad Med J** 1984 Dec; 60(710):876-80

Injecting painful knees with triamcinolone. Bourne IH. **Practitioner** 1985 Jan;229(1399):33-4

Long-term use of narcotic analgesics in chronic pain. France RD, et al. **Soc Sci Med** 1984;19(12):1379-82

Effects of indomethacin on pleural pain. Klein RC. **South Med J** 1984 Oct;77(10):1253-4

Pain relief: for cancer victims only. Orient JM. **South Med J** 1985 Sep;78(9):1114-5

Examination of the pain relieving-effect of intra-arterial No-Spa treatment of coxarthrosis. Barta O, et al. **Ther Hung** 1982;30(2):79-82

[Morphine and the management of pain. Basic knowledge among the Danish medical staff] Eriksen J, et al. **Ugeskr Laeger** 1984 Apr 30;146(18):1354-7 (Eng. Abstr.) **(Dan)**

[Bacterial meningitis and intrathecal treatment of chronic pain] Ranchère JY, et al. **Ann Fr Anesth Reanim** 1985; 4(1):77-8 (Eng. Abstr.) **(Fre)**

[Antidepressants in the treatment of pain] Gayda M, et al. **Ann Med Psychol (Paris)** 1985 Jan;143(1):93-7 **(Fre)**

[Trial of phlebo-lymphologic therapeutics in the treatment of mastodynia] Giraud D. **Rev Fr Gynecol Obstet** 1984 Mar; 79(3):229-32 **(Fre)**

[Drug treatment of pain in otorhinolaryngology] Cros AM, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(1):31-5 (Eng. Abs[illegible] **(Fre)**

[Pain relief in vein puncture. Application time and effectiveness of lidocaine-prilocaine-cream] Dohlwitz A, et al. **Anaesthesist** 1985 Jul;34(7):355-8 (Eng. Abstr.) **(Ger)**

[On demand analgesia: new concepts for treatment of acute pain] Lehmann KA. **Arzneimittelforsch** 1984; 34(9A):1108-14 (Eng. Abstr.) **(Ger)**

[Flupirtine in patients with cancer pain] Scheef W, et al. **Arzneimittelforsch** 1985;35(1):75-7 (Eng. Abstr.) **(Ger)**

[Spinal opiate analgesia] Zenz M. **Arzneimittelforsch** 1984; 34(9A):1089-92 (Eng. Abstr.) **(Ger)**

[Technical news for pain therapy. Effective and economical alternatives for implantable drug pumps] Schwing C. **Fortschr Med** 1985 May 23;103(20):90-1 **(Ger)**

[Sedatives and psychoactive drugs--medication in chronic pain states] Kocher R. **Schweiz Monatsschr Zahnmed** 1984 Oct;94 Spec No:961-70 (Eng. Abstr.) **(Ger)**

[Analgesia and anesthesia with ketamine at the emergency site and in transport] Arndt H. **Z Arztl Fortbild (Jena)** 1984; 78(14):577-9 **(Ger)**

[Principles of preclinical pain treatment of emergency patients] Benad G. **Z Arztl Fortbild (Jena)** 1984; 78(14):571-3 **(Ger)**

[Experiences with nitrous oxide analgesia in emergency care]

Fiedler W. **Z Arztl Fortbild (Jena)** 1984;78(14):581–3 **(Ger)**

[Are local pain elimination procedures for emergency patients at the emergency site and during transportation really contraindicated?] Tautenhahn E. **Z Arztl Fortbild (Jena)** 1984;78(14):575–6 **(Ger)**

[The salmon calcitonin–antiinflammatory association in the treatment of painful spondyloarthrosis.
Clinico–experimental study] Bonavita E. **Clin Ter** 1984 Jul 31;110(2):123–8 (Eng. Abstr.) **(Ita)**

[2 years experience with periodic administration of intrathecal morphine to a patient with tumor pain] Fiume D, et al. **Minerva Anestesiol** 1984 Dec;50(12):663–7 (Eng. Abstr.) **(Ita)**

[Tolerance to peridural buprenorphine in cancer pain. Case report] Nicosia F, et al. **Minerva Anestesiol** 1984 Dec; 50(12):669–72 (Eng. Abstr.) **(Ita)**

[Role of the pain specialist in the treatment of pancreatic pain] Mocavero G. **Minerva Chir** 1985 Apr 15;40(7):513–6 **(Ita)**

[The analgesic effects of non-steroidal anti-inflammatory drugs on acetylcholine-induced writhing in mice] Amanuma F, et al. **Nippon Yakurigaku Zasshi** 1984 Dec; 84(6):543–51 (Eng. Abstr.) **(Jpn)**

[Effects of anti-inflammatory drugs on the lame walking reaction in adjuvant-induced edematous rats] Higuchi S, et al. **Nippon Yakurigaku Zasshi** 1984 Aug;84(2):243–9 (Eng. Abstr.) **(Jpn)**

[Effects of NRGC-lesion on the rates of the development of morphine tolerance and dependence in rats] Kishioka S, et al. **Nippon Yakurigaku Zasshi** 1985 Jun;85(6):467–80 (Eng. Abstr.) **(Jpn)**

[Effect of various types of analgesic drugs on an experimental model of chronic inflammatory pain in mice] Okuyama S, et al. **Nippon Yakurigaku Zasshi** 1984 Jun;83(6):513–21 (Eng. Abstr.) **(Jpn)**

[Formalin-induced minor tremor response as an indicator of pain] Takahashi H, et al. **Nippon Yakurigaku Zasshi** 1984 Oct;84(4):353–62 (Eng. Abstr.) **(Jpn)**

[Pain therapy in children. Extended discussion] Sponheim S. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1740–3 **(Nor)**

[New drugs in the group of opiate-antagonistic analgesics] Rewerski W, et al. **Pol Tyg Lek** 1984 Oct 22;39(43):1405–8 **(Pol)**

[Peridural meperidine in the treatment of pain in acute myocardial infarction] Imbeloni LE. **Arq Bras Cardiol** 1984 Jul;43(1):37–40 (Eng. Abstr.) **(Por)**

[Pain-alleviating action of gidifen and its combinations with analgesics] Aleksandrova GM, et al. **Farmakol Toksikol** 1985 May-Jun;48(3):29–33 (Eng. Abstr.) **(Rus)**

[Evaluation of the pain-alleviating properties of a combination of analgesic and tranquilizer using multiple stepwise regression] Dmitriev AV, et al.
Farmakol Toksikol 1985 May–Jun;48(3):33–6 (Eng. Abstr.) **(Rus)**

[Analysis of the role of various factors of the initial status of the body in the analgesic action of promedol] Dmitriev AV, et al. **Farmakol Toksikol** 1984 Jul–Aug;47(4):34–6 (Eng. Abstr.) **(Rus)**

[Intrathecal anesthesia in metastatic pain of urologic origin. A new technic] Muruamendiaraz V, et al.
Actas Urol Esp 1985 May–Jun;9(3):247–54 (Eng. Abstr.) **(Spa)**

[Use of butorphanol tartrate as an analgesic in salpingoclasia with local anesthesia] Gaitan JR, et al.
Ginecol Obstet Mex 1983 Jan;51(309):19–23 (Eng. Abstr.) **(Spa)**

[Treatment of pain in cancer patients with intrathecal morphine] González–Navarro A, et al. **Med Clin (Barc)** 1985 Apr 6;84(13):520–3 (Eng. Abstr.) **(Spa)**

[Lars Terenius on neuropeptides and pain: endorphins diminish stress––a curative effect? A new analgesic aimed at the spinal region (interview by Birgit Lindell)] Terenius L. **Lakartidningen** 1984 Dec 5;81(49):4650–3 **(Swe)**

[Lars Terenius about neuropeptides and pain: Endorphines alleviate stress––a curative effect? A new spinal-active analgesic insight (interview by Birgit Lindell)] Terenius L. **Nord Med** 1985;100(3):76–80 (Eng. Abstr.) **(Swe)**

ETIOLOGY

Cyclical mastalgia and breast pathology. Jørgensen J, et al. **Acta Chir Scand** 1985;151(4):319–21

Evidence of myocardial ischaemia in patients with chest pain syndromes and normal coronary angiograms. Virtanen KS. **Acta Med Scand [Suppl]** 1985;694:58–68

Vasopressin and prostaglandins in premenstrual pain and primary dysmenorrhea. Strömberg P, et al.
Acta Obstet Gynecol Scand 1984;63(6):533–8

Intra-articular pressures and intraosseous pressure in the human knee and its implication for patello–femoral pain syndromes. An experimental study using simulated joint effusion. Hejgaard N. **Acta Orthop Belg** 1984;50(6):791–801

Transient ischaemia of the proximal femoral epiphysis in the child. Interpretation of bone scintimetry for diagnosis in hip pain. Wingstrand H, et al. **Acta Orthop Scand** 1985 Jun;56(3):197–203

Local pain after slow and fast intramuscular injection of 0.9% sodium chloride in human volunteers. Svendsen O.
Acta Pharmacol Toxicol (Copenh) 1984 Nov;55(5):422–4

Advances in the diagnosis and treatment of chronic pelvic pain. Guzinski GM. **Adv Psychosom Med** 1985;12:124–35

Chest pain following PTCA [letter] Sanders M.
Am Heart J 1984 Dec;108(6):1585–6

Prognosis with chest pain and normal thallium–201 exercise scintigrams. Pamelia FX, et al. **Am J Cardiol** 1985 Apr 1;55(8):920–6

Chest pain––esophageal, cardiac, or both? Lee MG, et al. **Am J Gastroenterol** 1985 May;80(5):320–4

Fever, abdominal pain, and hepatomegaly in a 66–year–old man [clinical conference] **Am J Med** 1985 Mar;78(3):481–6

Abdominal pain associated with IgA nephropathy. Possible mechanism. Walshe JJ, et al. **Am J Med** 1984 Oct; 77(4):765–7

The frustrations of chronic pelvic pain [letter] Strausz IK. **Am J Obstet Gynecol** 1985 Feb 1;151(3):416–7

Face pain and diplopia in a patient with breast cancer. Kay MC. **Am J Ophthalmol** 1985 Aug 15;100(2):344–5

Achillodynia and loss of heel pad shock absorbency. Jørgensen U. **Am J Sports Med** 1985 Mar–Apr;13(2):128–32

The soleus syndrome. A cause of medial tibial stress (shin splints). Michael RH, et al. **Am J Sports Med** 1985 Mar–Apr;13(2):87–94

Phantom limb pain and spinal anesthesia. Sellick BC.
Anesthesiology 1985 Jun;62(6):801–2

Treatment of pelvic varicosities causing lower abdominal pain with extraperitoneal resection of the left ovarian vein. Rundqvist E, et al. **Ann Chir Gynaecol** 1984;73(6):339–41

Upper abdominal complaints and gastritis. Villako K, et al. **Ann Clin Res** 1984;16(4):192–4

Heavy–metal herbs [letter] Zimmers T. **Ann Emerg Med** 1985 May;14(5):486–7

Edrophonium: a useful provocative test for esophageal chest pain. Richter JE, et al. **Ann Intern Med** 1985 Jul; 103(1):14–21

Eye pain due to carotid stenosis. Cohen MM, et al.
Ann Ophthalmol 1980 Sep;12(9):1056–7

Anomalous origin of the left thyrocervical trunk as a cause of residual pain after myocardial revascularization with internal mammary artery. Tartini R, et al.
Ann Thorac Surg 1985 Sep;40(3):302–4

Hydroxyurea and pain in psoriatic lesions during ultraviolet–B radiation [letter] Sparks MK, et al.
Arch Dermatol 1985 Sep;121(9):1107

Chest wall tenderness as a pitfall in the diagnosis of pulmonary embolism. A report of two cases. Dreyfuss AI, et al. **Arch Intern Med** 1984 Oct;144(10):2057

Recurrent leg symptoms following deep vein thrombosis. A diagnostic challenge. Leclerc JR, et al.
Arch Intern Med 1985 Oct;145(10):1867–9

Anterior thigh pain or tenderness. A diagnostically useful manifestation of bacteremia. Louria DB, et al.
Arch Intern Med 1985 Apr;145(4):657–8

Silent (painless) thyroiditis. Evidence of a geographic variation in frequency. Vitug AC, et al.
Arch Intern Med 1985 Mar;145(3):473–5

Pain in multiple sclerosis. Clifford DB, et al. **Arch Neurol** 1984 Dec;41(12):1270–2

Atypical facial pain and orbital cancer. Ruff T, et al.
Arch Otolaryngol 1985 May;111(5):338–9

Abdominal pain in the elderly. Oliver N.
Aust Fam Physician 1984 Jun;13(6):402–4

Scrotal pain [letter] Paterson JK. **Br J Hosp Med** 1985 Jun; 33(6):366

Chronic perineal pain. Woodhouse CR, et al.
Br J Hosp Med 1984 Dec;32(6):302–4

Pain in the scrotum. Yeates WK. **Br J Hosp Med** 1985 Feb; 33(2):101–4

Pulmonary thromboembolism presenting as abdominal pain. Henderson AF, et al. **Br Med J [Clin Res]** 1984 Oct 6; 289(6449):902–3

The acutely painful scrotum in children: review of 113 consecutive cases. Anderson PA, et al.
Can Med Assoc J 1985 May 15;132(10):1153–5

Musculoskeletal chest wall pain. Fam AG, et al.
Can Med Assoc J 1985 Sep 1;133(5):379–89

Dactylitis in a child with sickle cell trait. Jadavji T, et al. **Can Med Assoc J** 1985 Apr 1;132(7):814–5

Abdominal pain and weight loss in a patient with well controlled diabetes. Schipper HM, et al.
Can Med Assoc J 1985 Jul 1;133(1):38–9

Pain characteristics of painful ophthalmoplegia (the Tolosa–Hunt syndrome). Hannerz J. **Cephalalgia** 1985 Jun; 5(2):103–6

Acute polymyalgia in severely neutropenic patients with E. coli septicaemia after high–dose steroid therapy––a discrete syndrome? [letter] Blecher TE, et al.
Clin Lab Haematol 1985;7(1):97–9

Bone scans. Incidental detection of urinary tract etiology of abdominopelvic pain. Slavin JD, et al. **Clin Nucl Med** 1984 Nov;9(11):667–8

Painful ankle. Os trigonum vs fracture. Wolff MH, et al. **Clin Nucl Med** 1985 Mar;10(3):197

Shoulder pain and heavy manual labor. Herberts P, et al. **Clin Orthop** 1984 Dec;(191):166–78

Fatal aortic rupture presenting as chest pain in an adolescent. The role of echocardiography in occult cystic medial necrosis. Schaffer MS, et al. **Clin Pediatr (Phila)** 1985 Apr; 24(4):216–8

A comparison of the actual and expected pain response following insertion of an intrauterine contraceptive device. Goldstuck ND, et al. **Clin Reprod Fertil** 1985 Mar; 3(1):65–71

An approach to chronic abdominal pain in adolescents. Cavanaugh RM Jr. **Compr Ther** 1984 Nov;10(11):52–7

Endoscopic manometry of the pancreatic duct and sphincter zone in patients with chronic pancreatitis. Novis BH, et al. **Dig Dis Sci** 1985 Mar;30(3):225–8

Distention of the stylomandibular ligament as a cause of styloid pain syndrome. Sataloff RT, et al.
Ear Nose Throat J 1984 Sep;63(9):412–5

Painful varicocele [letter] Alcalay J, et al. **Fertil Steril** 1985 Jul;44(1):142

Pain in chronic pancreatitis [letter] Ink O, et al.
Gastroenterology 1985 Feb;88(2):603–4

Origin of chronic right upper quadrant pain. Kingham JG, et al. **Gut** 1985 Aug;26(8):783–8

Significance of early chest pain after coronary angioplasty. Galan KM, et al. **Heart Lung** 1985 Mar;14(2):109–12

Chronic abdominal pain. Functional or organic? Freston JW. **Hosp Pract [Off]** 1985 Sep 30;20(9A):35–43, 47–50, 59–60

Acute epigastric pain and 'silent' lung infiltrate. Gordon J, et al. **Hosp Pract [Off]** 1984 Oct;19(10):249–52

Chest pain during cancer chemotherapy. Hancock EW.
Hosp Pract [Off] 1985 Jul 15;20(7):93, 96–7

Persistent pain, fever after a trip to Mexico. Strum WB.
Hosp Pract [Off] 1984 Oct;19(10):86–7

Adverse effects secondary to the treatment with plasma exchange. Puig L, et al. **Int J Artif Organs** 1985 May; 8(3):155–8

Plicae syndrome of the knee. Bogdan RJ.
J Am Podiatr Med Assoc 1985 Jul;75(7):377–81

Subchondral hematoma as a cause of metatarsalgia. Caputo L, et al. **J Am Podiatr Med Assoc** 1985 Apr;75(4):213–5

Migratory polyarthralgia following intestinal bypass. A case report. Page JC. **J Am Podiatr Med Assoc** 1985 Mar; 75(3):153–5

Protracted epigastric pain and vomiting as a presentation of thyrotoxicosis. Dreyfuss AI. **J Clin Gastroenterol** 1984 Oct; 6(5):435–6

Cyclic breast pain. Campbell BG, et al. **J Fam Pract** 1984 Oct;19(4):549–50

Intraosseous nerve transposition for treatment of painful neuromas. Goldstein SA, et al. **J Hand Surg [Am]** 1985 Mar;10(2):270–4

Role of fibrositis of supra and periscapular area in aetiology of brachialgia. Baksi DP. **J Indian Med Assoc** 1984 May; 82(5):170–3

Consultation: tibial pain and alcoholism. Morse RH.
J La State Med Soc 1985 Jun;137(6):16–8

Pain and a radiation accident. Morse RH.
J La State Med Soc 1984 Sep;136(9):16–8

The elongated styloid process as a cause of throat discomfort. Four case reports. Lindeman P. **J Laryngol Otol** 1985 May; 99(5):505–8

Spontaneous ear pain as the initial presenting manifestation of giant cell arteritis [letter] Coppeto JR.
J Neurol Neurosurg Psychiatry 1984 Sep;47(9):1059

Pain in motor neuron disease. Newrick PG, et al.
J Neurol Neurosurg Psychiatry 1985 Aug;48(8):838–40

Tubular duplication of the jejunum and ileum lined entirely by gastric mucosa. Bar-Maor JA, et al.
J Pediatr Gastroenterol Nutr 1985 Apr;4(2):303–6

Excessive lateral pressure as a cause of patello–femoral pain syndrome. Osborne AH, et al. **J R Nav Med Serv** 1985 Summer;71(2):81–5

How to diagnose anorectal pain. Alia R.
J SC Med Assoc 1985 Jul;81(7):376–7

Anticoagulants and abdominal pain. The role of computed tomography. Scott WW Jr, et al. **JAMA** 1984 Oct 19; 252(15):2053–6

MED1: an intelligent computer program for thoracic pain diagnosis. Puppe B, et al. **Klin Wochenschr** 1985 Jun 3; 63(11):511–7

Painful crises in sickle cell disease after fluorescein angiography [letter] Acheson R, et al. **Lancet** 1985 May 25;1(8439):1222

Diagnosis of pelvic varicosities in women with chronic pelvic pain. Beard RW, et al. **Lancet** 1984 Oct 27;2(8409):946–9

Computer–assisted diagnosis of acute abdominal pain in childhood [letter] Dickson JA, et al. **Lancet** 1985 Jun 15; 1(8442):1389–90

Diagnosis before treatment [letter] Terry G. **Lancet** 1985 May 4;1(8436):1045

Elongated styloid process syndrome: intraoral versus external approach for styloid surgery. Strauss M, et al.
Laryngoscope 1985 Aug;95(8):976–9

Myalgic encephalomyelitis hypothesis [letter] Staines D.
Med J Aust 1985 Jul 22;143(2):91

Stress fractures as a cause of knee pain [letter] Lakhanpal S, et al. **N Engl J Med** 1985 Jan 17;312(3):186

A big pain between the small toes. Goldner RD.
NC Med J 1985 Jul;46(7):403–4

Pain due to peripheral nerve damage: an hypothesis. Asbury AK, et al. **Neurology** 1984 Dec;34(12):1587–90

Chronic pain in paraplegics. Waisbrod H, et al.
Neurosurgery 1984 Dec;15(6):933–4

Repetitive strain injury (RSI) and magnesium and fluoride intake [letter] Smith GE. **NZ Med J** 1985 Jul 10; 98(782):556–7

Laparoscopy in 100 women with chronic pelvic pain. Kresch AJ, et al. **Obstet Gynecol** 1984 Nov;64(5):672–4

Diagnostic epidural opioid blockade and chronic pain: preliminary report. Cherry DA, et al. **Pain** 1985 Feb; 21(2):143–52

Limb pain in childhood. Bowyer SL, et al.

Pediatr Clin North Am 1984 Oct;31(5):1053-81 (120 ref.)

Cardiologic perspectives of chest pain in childhood: a referral problem? To whom? Brenner JI, et al. **Pediatr Clin North Am** 1984 Dec;31(6):1241-58 (56 ref.)

Recurrent chest pain in children. Coleman WL. **Pediatr Clin North Am** 1984 Oct;31(5):1007-26 (45 ref.)

Recurring pain in the pediatric athlete. Sullivan JA. **Pediatr Clin North Am** 1984 Oct;31(5):1097-112

Abdominal pain. Farrell MK. **Pediatrics** 1984 Nov;74(5 Pt 2):955-7

Subepineural pacinian corpuscle: a cause of digital pain. Friedman HI, et al. **Plast Reconstr Surg** 1984 Nov;74(5):699-703

Implant arm: axillary compression from breast prostheses. Janson RA. **Plast Reconstr Surg** 1985 Mar;75(3):420-2

Chronic neck and shoulder pain. Focusing on myofascial origins. Grosshandler SL, et al. **Postgrad Med** 1985 Feb 15;77(3):149-51, 154-8

Some common causes of hip pain. Physical diagnosis is the key. McBeath AA. **Postgrad Med** 1985 Jun;77(8):189-92, 194-5, 198

Comments on wrist pain [letter] Spiegel MB. **Postgrad Med** 1985 May 15;77(7):25, 27

Chronic dyspepsia pain in general practice--its causes and diagnosis. Lance P, et al. **Postgrad Med J** 1985 May;61(715):411-3

The painful shoulder. Kay NR. **Practitioner** 1985 Feb;229(1400):121-7

Low back pain syndromes. Mulholland RC. **Practitioner** 1985 Feb;229(1400):137-40

Differential diagnosis of chest pain. Seller RH. **Primary Care** 1985 Mar;12(1):55-66

Chronic pain: a chronic dilemma. Shemo JP. **Proc Annu Meet Med Sect Am Counc Life Insur** 1984;:123-46

Computed tomographic studies of the painful abdomen. Benson M, et al. **Radiology** 1985 May;155(2):443-4

Pain after barium enema: effect of CO2 and air on double-contrast study. Coblentz CL, et al. **Radiology** 1985 Oct;157(1):35-6

Clinical significance of upper abdominal symptoms. Petersen H, et al. **Scand J Gastroenterol [Suppl]** 1985;109:19-25

24-hour ambulatory manometry in diagnosis of esophageal motor disorders causing chest pain. Maas LC, et al. **South Med J** 1985 Jul;78(7):810-3

Persistent chest pain due to sternal wire sutures: a complication of coronary artery bypass surgery. Weber LD, et al. **South Med J** 1985 Aug;78(8):1018-9

Painless myocardial infarction in diabetics. Yoshino H, et al. **Tohoku J Exp Med** 1983 Dec;141 Suppl:547-54

Bilateral testicular pain due to masturbation interruptus. Chandrasekar D. **Urology** 1984 Oct;24(4):382-3

Chest pain with pulmonary infiltrate: clinicopathology conference. **Va Med** 1984 Dec;111(12):746-52

Suspected pancreatic cancer presenting as pain or weight loss: analysis of diagnostic strategies. Silverstein MD, et al. **World J Surg** 1984 Dec;8(6):839-45

[Portuguese man-of-war and other coelenterates] Jørgensen J, et al. **Ugeskr Laeger** 1984 Jul 23;146(30):2233-5 (Eng. Abstr.) **(Dan)**

[Painful retraction of the testes during coitus] Nielsen DT. **Ugeskr Laeger** 1985 Jan 7;147(2):106 (Eng. Abstr.) **(Dan)**

[Cyclic mastalgia and prolactin stimulating drugs. A case-control study] Watt-Boolsen S, et al. **Ugeskr Laeger** 1984 May 21;146(21):1568-9 (Eng. Abstr.) **(Dan)**

[Abdominal pain, impotence and unilateral testicular enlargement in a 51-year-old man] Kupari M. **Duodecim** 1984;100(15):948-56 **(Fin)**

[Uni- and bidimensional echocardiography in the etiologic diagnosis of precordial pain] Aubran M, et al. **Ann Cardiol Angeiol (Paris)** 1984 Nov;33(7):429-33 (Eng. Abstr.) **(Fre)**

[Normal coronary arteries and spontaneous precordial pain] Bory M. **Ann Cardiol Angeiol (Paris)** 1984 Dec;33(8):503-6 (Eng. Abstr.) **(Fre)**

[Painful stumps after digital amputations] Iselin F, et al. **Ann Chir Main** 1984;3(2):156-9 (Eng. Abstr.) **(Fre)**

[Esophageal spasm: a common cause of spontaneous precordial pain] Dupin B, et al. **Arch Mal Coeur** 1984 Nov;77(12):1390-6 (Eng. Abstr.) **(Fre)**

[Recurrent corneal pain. Clinical study] Labrune PA, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul;84(6-7):771-3 (Eng. Abstr.) **(Fre)**

[Outcome of nonsurgically treated pseudoappendicular syndromes in children. Retrospective study of 479 cases] Scheye T, et al. **J Chir (Paris)** 1984 Dec;121(12):745-50 (Eng. Abstr.) **(Fre)**

[The diagnostic value of celioscopy in the evaluation of chronic pelvic pain. Apropos of 184 cases] Priou G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(4):395-402 (Eng. Abstr.) **(Fre)**

[Misleading pains in the lower limbs of rheumatologic origin] Drevet JG, et al. **Phlebologie** 1985 Apr-Jun;38(2):255-63 (Eng. Abstr.) **(Fre)**

[Static disorders or venous pathology of the foot?] Miolane A. **Phlebologie** 1985 Apr-Jun;38(2):249-53 (Eng. Abstr.) **(Fre)**

[Thoracic pain precipitated by electric stimulation of the esophagus (letter)] Fillette F, et al. **Presse Med** 1984 Sep 29;13(33):2021-2 **(Fre)**

[Chronicles in osteoarticular pathology. Isolated involvement of the suprascapular nerve in sports medicine. Apropos of 2 cases] Crielaard JM, et al. **Rev Med Liege** 1984 Dec 15;39(24):886-8 **(Fre)**

[Thoracic pain and arteriovenous fistula of the spinal cord] Awada A, et al. **Rev Neurol (Paris)** 1984;140(12):740-3 (Eng. Abstr.) **(Fre)**

[Brachial pain disclosing dissection of the thoraco-abdominal aorta (letter)] Arnaud M, et al. **Rev Rhum Mal Osteoartic** 1985 May;52(5):337-8 **(Fre)**

[Stylohyoid syndrome. Apropos of a case] D'Erceville T, et al. **Rev Stomatol Chir Maxillofac** 1985;86(1):49-52 (Eng. Abstr.) **(Fre)**

[Splenosis: a rare cause for pelvic pain (diagnosis and modern therapy with pelviscopy). A case report] Dietl J, et al. **Geburtshilfe Frauenheilkd** 1985 Jan;45(1):57-8 (Eng. Abstr.) **(Ger)**

[A 23-year-old female patient with precordial chest pain] Baur X, et al. **Internist (Berlin)** 1985 Jun;26(6):357-60 **(Ger)**

[19-year-old patient with fever, diffuse abdominal pain and diarrhea] Richter WO, et al. **Internist (Berlin)** 1985 Mar;26(3):169-72 **(Ger)**

[Differential diagnostic aspects of posttraumatic shoulder pain] Gerber C. **Unfallheilkunde** 1984 Sep;87(9):357-62 (Eng. Abstr.) **(Ger)**

[Graphic presentation of visual analog scales for pain evaluation in rheumatology] Droste U, et al. **Z Rheumatol** 1984 Sep-Oct;43(5):278-83 (Eng. Abstr.) **(Ger)**

[Manual medical findings in relation to the site of pain in vertebral disorders] Friedrich M, et al. **Z Rheumatol** 1984 Jul-Aug;43(4):185-9 (Eng. Abstr.) **(Ger)**

[The painful shoulder in the vertebro-scapulo-humeral system] De Giorgi G, et al. **Chir Organi Mov** 1982-83;68(4-6):637-41 (Eng. Abstr.) **(Ita)**

[Usefulness of the combination of the dynamic electrocardiogram with esophageal pH measurement in the differential diagnosis of chest pain] Torre F, et al. **G Ital Cardiol** 1984 Dec;14(12):982-9 (Eng. Abstr.) **(Ita)**

[Chest pain] Ferraro U, et al. **Minerva Med** 1985 Jan 14;76(1-2):43-52 (Eng. Abstr.) **(Ita)**

[Epigastric pain in patients with biliary drainage. A symptom not to be overlooked] Bellomi M, et al. **Radiol Med (Torino)** 1984 May;70(5):310-2 (Eng. Abstr.) **(Ita)**

[A case of paragonimiasis miyazakii appearing with bilateral pneumothorax, effusion and alternating chest pain--a review of 82 cases reported in Japan] Matumine H, et al. **Nippon Naika Gakkai Zasshi** 1985 May;74(5):597-605 **(Jpn)**

[Studies on the internal pressure of bone tumors and tumorous conditions. I. Pain and internal hypertension of bone lesions] Chigira M. **Nippon Seikeigeka Gakkai Zasshi** 1985 Jan;59(1):39-44 (Eng. Abstr.) **(Jpn)**

[A roentgenographical study on the aging process of alignment of the lower extremities in children--with special reference to pain in the lower extremity] Ide H. **Nippon Seikeigeka Gakkai Zasshi** 1985 May;59(5):533-44 (Eng. Abstr.) **(Jpn)**

[Biochemical and pathological studies on a carrier of Fabry's disease manifesting bouts of pain in the extremities] Katayama M, et al. **Rinsho Shinkeigaku** 1984 Jun;24(6):575-80 (Eng. Abstr.) **(Jpn)**

[Complications and failures of using intrauterine contraceptive devices] Botiuk K. **Ginekol Pol** 1985 Jan;56(1):5-8 (Eng. Abstr.) **(Pol)**

[Abdominal angina--incidence and correlations between angiographic and clinical findings] Grzechnik B, et al. **Pol Przegl Radiol (Warszawa)** 1984 Jan-Feb;48(1):7-11 (Eng. Abstr.) **(Pol)**

[Late sequelae of cervical spine injuries] Szawłowski K, et al. **Pol Tyg Lek** 1985 May 13;40(19):533-5 (Eng. Abstr.) **(Pol)**

[Somatic disorders and personality characteristics in patients with recent myocardial infarct] Nasiłowska-Barud A, et al. **Wiad Lek** 1984 Jul 15;37(14):1073-8 (Eng. Abstr.) **(Pol)**

[Pathogenesis of pain in chronic salpingo-oophoritis] Podzolkova NM, et al. **Akush Ginekol (Mosk)** 1984 Aug;(8):5-9 (52 ref.) **(Rus)**

[Local dynamometry in the early diagnosis of fractures of the navicular bone] Kuz'menko VV, et al. **Khirurgiia (Mosk)** 1985 May;(5):93-4 **(Rus)**

[Differential diagnosis of angina pectoris and esophageal diseases] Katsenovich RA, et al. **Klin Med (Mosk)** 1984 Aug;62(8):27-31 (Eng. Abstr.) **(Rus)**

[Cardialgia, physical exertion tolerance and personality characteristics in patients with climacteric cardiopathy] Volkov VS, et al. **Klin Med (Mosk)** 1984 Aug;62(8):34-8 (Eng. Abstr.) **(Rus)**

[Vertebrogenic reflex syndromes of the chest and related cardiac pain syndromes] Gordon IB. **Revmatologiia (Moskva)** 1984 Jul-Sep;(3):55-9 **(Rus)**

[Disputable problems of correlations between cardialgia and stenocardia] Krylov AA, et al. **Vrach Delo** 1985 May;(5):65-8 **(Rus)**

[Articular pain in childhood] Herrero-Beaumont G, et al. **An Esp Pediatr** 1985 Jan;22(1):55-62 **(Spa)**

[Post-tubal-ligation syndrome] Vázquez JA. **Ginecol Obstet Mex** 1983 Sep;51(317):237-40 (Eng. Abstr.) **(Spa)**

[Arthrosis with an unusual localization as a cause of severe thoracic pain] Fahlgren H, et al. **Lakartidningen** 1985 May 29;82(22):2066-7 **(Swe)**

FAMILIAL & GENETIC

Chronic pain: lifetime psychiatric diagnoses and family history. Katon W, et al. **Am J Psychiatry** 1985 Oct;142(10):1156-60

Somatization disorder in relatives of children and adolescents with functional abdominal pain. Routh DK, et al. **J Pediatr Psychol** 1984 Dec;9(4):427-37

Familial pain models: the relationship between family history of pain and current pain experience. Edwards PW, et al. **Pain** 1985 Apr;21(4):379-84

Genetic differences in daily rhythms of pain sensitivity in mice. Castellano C, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):91-2

HISTORY

The secularization of pain. Caton D. **Anesthesiology** 1985 Apr;62(4):493-501

IMMUNOLOGY

Defective leukocyte interferon response in children with recurrent infections accompanied by arthralgia. Bondestam M, et al. **Acta Paediatr Scand** 1985 Mar;74(2):219-25

METABOLISM

Clinical approach to women with severe mastalgia and the therapeutic possibilities. Blichert-Toft M, et al. **Acta Obstet Gynecol Scand [Suppl]** 1984;123:185-8

Cortical acetylcholine efflux with hypercapnia and nociceptive stimulation. Hudson DM, et al. **Brain Res** 1985 Jul 15;338(2):267-72

Histochemistry of pain. Caillik B. **Bull Mem Acad R Med Belg** 1984;139(5):278-88

Experimental pain and neuropeptides. Takagi H. **Clin Ther** 1984;7 Spec No:35-47

Sex related response to stress induced by immobilization with pain in Wistar rats. Menendez-Patterson A, et al. **Indian J Med Res** 1984 Jun;79:824-30

Chronic pain in the rat: selective alterations in CNS and pituitary pools of dynorphin as compared to vasopressin. Millan MJ, et al. **Neuropeptides** 1985 Feb;5(4-6):423-4

In vivo release of somatostatin from rat median eminence after local K+ infusion or delivery of nociceptive stress. Arancibia S, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):97-102

OCCURRENCE

[Recurrent abdominal pain in Danish school children. A cross-sectional study] Christensen MF, et al. **Ugeskr Laeger** 1984 Sep 3;146(36):2690-5 (Eng. Abstr.) **(Dan)**

PHYSIOLOGY

Footshock sensitivity of rats after adrenalectomy and glucocorticoid treatments. Markel E, et al. **Acta Physiol Hung** 1984;64(2):123-7

Some experimental pain indices and their applications in the study of analgesic mechanisms. Chan SH. **Ann Acad Med Singapore** 1985 Jan;14(1):113-22

High voltage stimulation. Effects of electrode size on basic excitatory responses. Alon G. **Phys Ther** 1985 Jun;65(6):890-5

Morphine analgesia potentiated but tolerance not affected by active immunization against cholecystokinin. Faris PL, et al. **Science** 1984 Dec 7;226(4679):1215-7

PHYSIOPATHOLOGY

Pituitary stimulation produced analgesia in animal and man. Trouwborst A, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:249-51

Cortical tooth pulp evoked potentials in freely moving rat. Rehnig HP, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(5):205-16

Test-dependent antinociceptive effect of spinal serotonin release induced by intrathecal p-chloroamphetamine in mice. Berge OG, et al. **Acta Physiol Scand** 1985 Jan;123(1):35-41

The function of intradental nerves in relation to the sensations induced by dental stimulation. Närhi M, et al. **Acupunct Electrother Res** 1984;9(2):107-13 (27 ref.)

The effects of cigarette smoking on pain and anxiety. Pomerleau OF, et al. **Addict Behav** 1984;9(3):265-71

Chest pain and 'normal' coronary arteries--role of small coronary arteries. Cannon RO 3d, et al. **Am J Cardiol** 1985 Jan 25;55(3):50B-60B

Esophageal chest pain. Castell DO. **Am J Gastroenterol** 1984 Dec;79(12):969-71

Hyperalgesic pseudothrombophlebitis. New syndrome in male homosexuals. Abramson SB, et al. **Am J Med** 1985 Feb;78(2):317-20

Neurophysiology of pain and pain modulation. Fields HL. **Am J Med** 1984 Sep 10;77(3A):2-8

Abdominal pain, purpura, and death in an elderly woman [clinical conference] Ludmerer KM, et al. **Am J Med** 1985 May;78(5):839-49

Effects of intracardiac bradykinin on T2-T5 medial spinothalamic cells. Ammons WS, et al. **Am J Physiol** 1985

Aug;249(2 Pt 2):R147-52

The effect of labour and epidural analgesia on pain threshold. Sengupta P, et al. **Anaesthesia** 1984 Oct;39(10):982-6

Morphine--caffeine analgesic interaction in rats. Person DL, et al. **Anesth Analg** 1985 Sep;64(9):851-6

Potentiation of systemic morphine analgesia in humans by proglumide, a cholecystokinin antagonist. Price DD, et al. **Anesth Analg** 1985 Aug;64(8):801-6

Differential spread of blockade of touch, cold, and pinprick during spinal anesthesia. Rocco AG, et al. **Anesth Analg** 1985 Sep;64(9):917-23

Electrophysiologic evidence for involvement of the pituitary region in opiate analgesia. Trouwborst A, et al. **Anesth Analg** 1985 Aug;64(8):781-5

Halothane antagonizes effect of morphine on the motor reaction threshold in rats. Kissin I, et al. **Anesthesiology** 1984 Dec;61(6):671-6

Sensitivity to pain predicts CNS sensitivity to lidocaine. Korbon GA, et al. **Anesthesiology** 1984 Dec;61(6):767-9

Esophageal motility disorders and chest pain [clinical conference] Clouse RE, et al. **Arch Intern Med** 1985 May;145(5):903-6

Diagnostic considerations in chest wall tenderness [letter] Fred HL. **Arch Intern Med** 1985 Jun;145(6):1140-1

Chronic pain: electromechanical recording device for measuring patients' activity patterns. Follick MJ, et al. **Arch Phys Med Rehabil** 1985 Feb;66(2):75-9

An objective assessment of the physiologic changes in the postthrombotic syndrome. Killewich LA, et al. **Arch Surg** 1985 Apr;120(4):424-6

Some aspects of pain measurement in man. Handwerker HO. **Arzneimittelforsch** 1984;34(9A):1093-5

The involvement of the sympathetic nervous system in pain. Possible neuronal mechanisms. Jänig W, et al. **Arzneimittelforsch** 1984;34(9A):1066-73

Basic concepts of pain and pain therapy. Zimmermann M. **Arzneimittelforsch** 1984;34(9A):1053-9

Acute scrotal pain in childhood and adolescence. Solving the dilemma. Murtagh J, et al. **Aust Fam Physician** 1984 Oct;13(10):730

Increased pain sensitivity following heat injury involves a central mechanism. Coderre TJ, et al. **Behav Brain Res** 1985 May;15(3):259-62

Selective association in conditioned stress-induced analgesia: functional differences in interoceptive and exteroceptive sensory pathways. Jensen TS, et al. **Behav Neural Biol** 1985 Mar;43(2):218-21

Suppression of schedule-induced drinking and food-reinforced bar pressing by tail-pinch is not reversed by naloxone. Murphy EP, et al. **Behav Neural Biol** 1985 Jan;43(1):86-99

Weight change and the dexamethasone suppression test. Krishnan KR, et al. **Biol Psychiatry** 1985 Sep;20(9):1018-22

What does the dexamethasone suppression test identify? Krishnan KR, et al. **Biol Psychiatry** 1985 Sep;20(9):957-64

How important is a history of chest pain in determining the degree of ischaemia in patients with angina pectoris? Quyyumi AA, et al. **Br Heart J** 1985 Jul;54(1):22-6

The nature of arthritis pain. Charter RA, et al. **Br J Rheumatol** 1985 Feb;24(1):53-60

Altered responses of prolactin, luteinizing hormone and follicle stimulating hormone secretion to thyrotrophin releasing hormone/gonadotrophin releasing hormone stimulation in cyclical mastalgia. Kumar S, et al. **Br J Surg** 1984 Nov;71(11):870-3

Substance P and the sensory innervation of intracranial and extracranial feline cephalic arteries. Implications for vascular pain mechanisms in man. Norregaard TV, et al. **Brain** 1985 Jun;108 (Pt 2):517-33

Diencephalic mechanisms of pain sensation. Albe-Fessard D, et al. **Brain Res** 1985 Aug;356(3):217-96 (427 ref.)

Cardiovascular and T2-T4 dorsal horn cell responses to gallbladder distention in the cat. Ammons WS, et al. **Brain Res** 1984 Nov 12;321(2):267-77

Pregnancy-induced analgesia: effects of adrenalectomy and glucocorticoid replacement. Baron SA, et al. **Brain Res** 1984 Nov 12;321(2):341-6

Biphasic time-course of capsaicin-induced substance P depletion: failure to correlate with thermal analgesia in the rat. Hittner MA, et al. **Brain Res** 1984 Nov 26;322(2):305-9

Effects of trigeminal tractotomy on facial thermal nociception in the rat. Broton JG, et al. **Brain Res** 1985 Apr 29;333(1):63-72

The digastric reflex evoked by tooth-pulp stimulation in the cat and its modulation by stimuli applied to the limbs. Cadden SW. **Brain Res** 1985 Jun 10;336(1):33-43

Body region shocked need not critically define the neurochemical basis of stress analgesia. Cannon JT, et al. **Brain Res** 1984 Dec 10;323(2):316-9

Evidence of a supraspinal opioid analgesic mechanism engaged by lateral hypothalamic electrical stimulation. Carr KD, et al. **Brain Res** 1985 May 27;335(1):55-62

Failure to produce a non-opioid foot shock-induced antinociception in rats. Chatterjee TK, et al. **Brain Res** 1984 Dec 10;323(2):380-4

Morphine effects on spontaneous, nociceptive, antinociceptive and sensory evoked responses of parafasciculus thalami units in morphine naive and morphine dependent rats. Dafny N, et al. **Brain Res** 1984 Dec 3;323(1):11-20

Operant conditioning of somatosensory evoked potential (SEP) amplitude in rats. I. Specific changes in SEP amplitude and a naloxone-reversible somatotopically specific change in facial nociception. Dowman R, et al. **Brain Res** 1985 May 6;333(2):201-12

Postsynaptic dorsal column pathway of the rat. II. Evidence against an important role in nociception. Giesler GJ Jr, et al. **Brain Res** 1985 Feb 11;326(2):347-56

Prefrontal influences upon the midbrain: a possible route for pain modulation. Hardy SG, et al. **Brain Res** 1985 Jul 29;339(2):285-93

Analgesia elicited by prefrontal stimulation. Hardy SG. **Brain Res** 1985 Jul 29;339(2):281-4

Bilateral lesions of the dorsolateral funiculus of the cat spinal cord: effects on basal nociceptive reflexes and nociceptive suppression produced by cholinergic activation of the pontine parabrachial region. Hayes RL, et al. **Brain Res** 1984 Oct 8;311(2):267-80

Spinal lamina I neurons projecting to the parabrachial area of the cat midbrain. Hylden JL, et al. **Brain Res** 1985 Jun 10;336(1):195-8

Spinal monoamine and opiate systems partly mediate the antinociceptive effects produced by glutamate at brainstem sites. Jensen TS, et al. **Brain Res** 1984 Nov 12;321(2):287-97

Evidence that substance P and somatostatin transmit separate information related to pain in the spinal dorsal horn. Kuraishi Y, et al. **Brain Res** 1985 Jan 28;325(1-2):294-8

Cervical dorsal root ganglion cells with collaterals to both shoulder skin and the diaphragm. A fluorescent double labelling study in the rat. A model for referred pain? Laurberg S, et al. **Brain Res** 1985 Apr 1;331(1):160-3

Pontomedullary raphe neurons: monosynaptic excitation from midbrain sites that suppress the jaw opening reflex. Mason P, et al. **Brain Res** 1985 Mar 11;329(1-2):384-9

Vasopressin and oxytocin in the rat spinal cord: analysis of their role in the control of nociception. Millan MJ, et al. **Brain Res** 1984 Sep 10;309(2):384-8

An assessment of the antinociceptive and aversive effects of stimulating identified sites in the rat brain. Prado WA, et al. **Brain Res** 1985 Aug 12;340(2):219-28

Spinal pain suppression mechanisms may differ for phasic and tonic pain. Ryan SM, et al. **Brain Res** 1985 May 13;334(1):172-5

Inhibition of nociceptive withdrawal flexion reflexes through a dorsal column-brainstem-spinal loop. Saade N, et al. **Brain Res** 1985 Jun 3;335(2):306-8

Inhibition of nociceptive evoked activity in spinal neurons through a dorsal column-brainstem-spinal loop. Saade NE, et al. **Brain Res** 1985 Jul 22;339(1):115-8

Evidence for pain modulation by pre- and postsynaptic noradrenergic receptors in the medulla oblongata. Sagen J, et al. **Brain Res** 1985 Apr 8;331(2):285-93

Effect of intrathecally administered noradrenergic antagonists on nociception in the rat. Sagen J, et al. **Brain Res** 1984 Sep 24;310(2):295-301

Effects of level and summation of pain on adaptation phenomena. Saumet JL. **Brain Res** 1984 Dec 17;324(1):142-4

Footshock-induced analgesia: its opioid nature depends on the strain of rat. Urca G, et al. **Brain Res** 1985 Mar 11;329(1-2):109-16

Midbrain stimulation inhibits tail-flick only at currents sufficient to excite rostral medullary neurons. Vanegas H, et al. **Brain Res** 1984 Oct 29;321(1):127-33

Tail-flick related activity in medullospinal neurons. Vanegas H, et al. **Brain Res** 1984 Oct 29;321(1):135-41

The encoding of thermal stimuli applied to the tail of the rat by lowering the excitability of trigeminal convergent neurones. Villanueva L, et al. **Brain Res** 1985 Mar 25;330(2):245-51

Failure of ES 52, a highly potent enkephalinase inhibitor, to affect nociceptive transmission by rat dorsal horn convergent neurones. Villanueva L, et al. **Brain Res** 1985 Apr 29;333(1):156-60

Diffuse noxious inhibitory controls (DNIC): evidence for post-synaptic inhibition of trigeminal nucleus caudalis convergent neurones. Villanueva L, et al. **Brain Res** 1984 Oct 29;321(1):165-8

Do large diameter cutaneous afferents have a role in the transmission of nociceptive messages? Wiesenfeld-Hallin Z, et al. **Brain Res** 1984 Oct 8;311(2):375-9

Dissociation of subjective pain report and pain-related late positive components of cerebral evoked potentials in subjects with brain lesions. Katayama Y, et al. **Brain Res Bull** 1985 May;14(5):423-6

Substance p analogue blocks sp-induced facilitation of a spinal nociceptive reflex. Yashpai K, et al. **Brain Res Bull** 1984 Oct;13(4):597-600

Enzymatically and electrocardiographically estimated infarct size in relation to pain in acute myocardial infarction. Herlitz J, et al. **Cardiology** 1984;71(5):239-46

Neurovascular disturbances in headache patients. Drummond PD, et al. **Clin Exp Neurol** 1984;20:93-9

The evaluation of pain [editorial] Deltito JA. **Clin Exp Rheumatol** 1984 Jul-Sep;2(3):203-4

Problems associated with pain measurement in arthritis: comparison of the visual analogue and verbal rating scales. Langley GB, et al. **Clin Exp Rheumatol** 1984 Jul-Sep;2(3):231-4

Honored guest presentation: painful states: a neurological commentary. Fisher CM. **Clin Neurosurg** 1983;31:32-53

Congenital fiber type disproportion myopathy. Report of a case with late onset and myalgia. Santoro L, et al. **Clin Pediatr (Phila)** 1985 Apr;24(4):219-20

Reflex inhibition of the quadriceps after meniscectomy: lack of association with pain. Shakespeare DT, et al. **Clin Physiol** 1985 Apr;5(2):137-44

A pain microcomputer system for clinical and laboratory investigation. Dworkin SF, et al. **Comput Biol Med** 1984;14(4):465-70

Stimulus intensity and inter-stimulus interval effects on pain-related cerebral potentials. Jacobson RC, et al. **Electroencephalogr Clin Neurophysiol** 1985 Sep;62(5):352-63

Somatosensory evoked potentials (SEP) in relation to nociception and anesthesia. Bertens AP. **Electromyogr Clin Neurophysiol** 1985 Jan-Feb;25(1):3-33

Effects of cysteamine on pain behaviour and on somatostatin- and substance P-like immunoreactivity in the substantia gelatinosa of the rat. Dalsgaard CJ, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):295-301

The increased opiate action of beta-endorphin in iron-deficient rats: the possible involvement of dopamine. Yehuda S, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):245-51

Lack of interaction between methionine enkephalin and D-phenylalanine on nociceptive and non-nociceptive responses of dorsal horn neurones of the cat. Zhao ZQ, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):205-10

Spontaneous pain, hyperpathia and wasting of the hand due to parietal lobe haemorrhage. Sandyk R. **Eur Neurol** 1985;24(1):1-3

Descending control of spinal nociceptive transmission. Actions produced on spinal multireceptive neurones from the nuclei locus coeruleus (LC) and raphe magnus (NRM). Mokha SS, et al. **Exp Brain Res** 1985;58(2):213-26

Nociceptive neurones in the superficial dorsal horn of cat lumbar spinal cord and their primary afferent inputs. Steedman WM, et al. **Exp Brain Res** 1985;58(1):171-82

Response of serotonin-containing neurons in nucleus raphe magnus to morphine, noxious stimuli, and periaqueductal gray stimulation in freely moving cats. Auerbach S, et al. **Exp Neurol** 1985 Jun;88(3):609-28

Naloxone prevents the analgesic action of alpha-MSH in mice. Ohkubo T, et al. **Experientia** 1985 May 15;41(5):627-8

Peak latency differences in evoked potentials elicited by painful dental and cutaneous stimulation. Chapman CR, et al. **Int J Neurosci** 1985 Jul;27(1-2):1-12

Effects of morphine on: spontaneous, dorsal raphe, spinal tract of trigeminal nucleus, medial lemniscus and reticular lateral magnocellular evoked responses of hypothalamic units, in naive and morphine physically dependent rats. Prieto-Gomez B, et al. **Int J Neurosci** 1984 Apr;23(2):131-45

Human evoked potentials and C-fiber pain. Stowell H. **Int J Neurosci** 1985 May;26(3-4):219-24

Event related brain potentials and human pain: a first objective overview. Stowell H. **Int J Psychophysiol** 1984 Feb;1(2):137-51 (85 ref.)

Histochemical and metabolic changes in lower leg muscles in exercise-induced pain. Wallensten R, et al. **Int J Sports Med** 1984 Aug;5(4):202-8

Differentiation of peripheral and central effects of analgesic drugs. Schweizer A, et al. **Int J Tissue React** 1985;7(1):79-83

The significance of motor-point tenderness in patients with lumbar intervertebral disc protrusions. Nwuga VC. **Int Orthop** 1984;8(1):47-54

Thoracic root pain in diabetes mellitus. Brenner B, et al. **Isr J Med Sci** 1984 Nov;20(11):1105-6

Pruritus, cutaneous pain, and eccrine gland and sweating disorders. Tuckett RP, et al. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 2):1000-6 (33 ref.)

Mechanical factors in the incidence of knee pain in adolescents and young adults. Fairbank JC, et al. **J Bone Joint Surg [Br]** 1984 Nov;66(5):685-93

Neuro-ophthalmology in the recent European literature. Part III. Heredodegenerations, stroke, pain, and diagnostic techniques. Safran AB. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):275-84 (68 ref.)

Electromyographic activity of anterior temporal area pain patients and non-pain subjects. Majewski RF, et al. **J Dent Res** 1984 Oct;63(10):1228-31

Effects of regional intravenous guanethidine block in posttraumatic cold intolerance in hand amputees. Engkvist O, et al. **J Hand Surg [Br]** 1985 Jun;10(2):145-50

T2-T5 spinothalamic neurons projecting to medial thalamus with viscerosomatic input. Ammons WS, et al. **J Neurophysiol** 1985 Jul;54(1):73-89

Selective inhibition of glucose-sensitive neurons in rat lateral hypothalamus by noxious stimuli and morphine. Sikdar SK, et al. **J Neurophysiol** 1985 Jan;53(1):17-31

Spontaneous activity of ventral root axons following peripheral nerve injury. Burchiel KJ, et al. **J Neurosurg** 1985 Mar;62(3):408-13

Genotype-dependent behavioral sensitivity to mu vs. kappa opiate agonists. II. Antinociceptive tolerance and physical dependence. Gwynn GJ, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):312-6

A method for studying cutaneous pain perception and analgesia in horses. Kamerling SG, et al. **J Pharmacol Methods** 1985 Jun;13(3):267-74

Relationships between jaw pain and jaw muscle contraction level: underlying factors and treatment effectiveness. Sherman RA. **J Prosthet Dent** 1985 Jul;54(1):114-8

Enthesopathy of the heels in juvenile onset seronegative B-27 positive spondyloarthropathy. Gerster JC, et al. **J Rheumatol** 1985 Apr;12(2):310-4

What are the functions of endorphins following thermal injury? Levine J. **J Trauma** 1984 Sep;24(9 Suppl):S168-76

Comparative studies on morphine- and stress-induced analgesia and the development of tolerance to the effects: implication of protein synthesis mechanism in the process. Takahashi M, et al. **Jpn J Pharmacol** 1985 Feb; 37(2):197-202

Pain perception in diabetic neuropathy [editorial] **Lancet** 1985 Jan 12;1(8420):83-4

On the origin of duodenal-ulcer pain. Earlam R. **Lancet** 1985 Apr 27;1(8435):973-4

Restraint stress enhances morphine-induced analgesia in the rat without changing apparent affinity of receptor. Appelbaum BD, et al. **Life Sci** 1985 Mar 18;36(11):1069-74

Hyperalgesia induced by altered glycinergic activity at the spinal cord. Beyer C, et al. **Life Sci** 1985 Sep 2;37(9):875-82

Fluoxetine, a selective inhibitor of serotonin uptake, potentiates morphine analgesia without altering its discriminative stimulus properties or affinity for opioid receptors. Hynes MD, et al. **Life Sci** 1985 Jun 17; 36(24):2317-23

Ionizing radiation induces opioid-mediated analgesia in male mice. Teskey GC, et al. **Life Sci** 1984 Oct 8;35(15):1547-52

Increased analgesic potency of morphine and increased brain opioid binding sites in the rat following chronic naltrexone treatment. Yoburn BC, et al. **Life Sci** 1985 Jun 17; 36(24):2325-32

The intracutaneous stimulus: a new pain model for algesimetric studies. Bromm B, et al. **Methods Find Exp Clin Pharmacol** 1984 Jul;6(7):405-10

Cyclic nucleotides and aminophylline produce different effects on nociceptive motor and sensory responses in the rat spinal cord. Jurna I. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):23-30

Is cholecystokinin octapeptide (CCK-8) a candidate for endogenous anti-opioid substrates? Han JS, et al. **Neuropeptides** 1985 Feb;5(4-6):399-402

The effects of selective opioid delta-receptor antagonists on stress-induced antinociception and plasma corticosterone levels in mice. Hart SL, et al. **Neuropeptides** 1985 Feb; 5(4-6):303-6

Possible involvement of dynorphinergic system in nociceptive transmission at spinal level. Spampinato S, et al. **Neuropeptides** 1985 Feb;5(4-6):425-8

In vivo evaluation of mu, delta and kappa opioid receptor agonists on spinal 5-HT metabolism in the rat. Wood PL. **Neuropeptides** 1985 Feb;5(4-6):319-22

Association between hypoalgesia and hypertension in rats after short-term isolation. Naranjo JR, et al. **Neuropharmacology** 1985 Feb;24(2):167-71

Pain measurements in right-left cerebral lesions. Neri M, et al. **Neuropsychologia** 1985;23(1):123-6

Interactions between cardiovascular and pain regulatory systems. Randich A, et al. **Neurosci Biobehav Rev** 1984 Fall;8(3):343-67

Tizanidine (DS103-282), a centrally acting muscle relaxant, selectively depresses excitation of feline dorsal horn neurones to noxious peripheral stimuli by an action at alpha 2-adrenoceptors. Davies J, et al. **Neurosci Lett** 1984 Jul 27;48(2):197-202

Electrolytic raphe magnus lesions block analgesia induced by a stress-morphine interaction but not analgesia induced by morphine alone. Kelly SJ, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):147-52

The effects of chronic section of the lateral spinothalamic tract on the responses of ventral spinothalamic tract neurons in the cat. Meyers DE, et al. **Neurosci Lett** 1984 Oct 12;51(2):201-6

Noxious inputs to supraoptic neurosecretory cells in the rat. Hamamura M, et al. **Neurosci Res** 1984 Dec;2(1-2):49-61

The postnatal physiological and neurochemical development of peripheral sensory C fibres. Fitzgerald M, et al. **Neuroscience** 1984 Nov;13(3):933-44

Deafferentation pain after posterior rhizotomy, trauma to a limb, and herpes zoster. Sweet WH. **Neurosurgery** 1984 Dec;15(6):928-32

Arthritis and musculoskeletal pain. Wolfe F. **Nurs Clin North Am** 1984 Dec;19(4):565-74 (29 ref.)

Atypical facial pain: a retrospective study. Mock D, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):472-4

Perception of pulpal pain as a function of intradental nerve activity. Ahlquist ML, et al. **Pain** 1984 Aug;19(4):353-66

Raphe magnus inhibition of primate T1-T4 spinothalamic cells with cardiopulmonary visceral input. Ammons WS, et al. **Pain** 1984 Nov;20(3):247-60

Spatial summation of pre-pain and pain in human teeth. Brown AC, et al. **Pain** 1985 Jan;21(1):1-16

The heterotopic effects of visceral pain: behavioural and electrophysiological approaches in the rat. Calvino B, et al. **Pain** 1984 Nov;20(3):261-71

Evaluation of a daily activity diary for chronic pain patients. Follick MJ, et al. **Pain** 1984 Aug;19(4):373-82

Pain assessment: differences in quality and intensity of the words pain, ache and hurt. Gaston-Johansson F. **Pain** 1984 Sep;20(1):69-76

Pain reactions in pregnant women. Goolkasian P, et al. **Pain** 1984 Sep;20(1):87-95

Immediate and long-term phantom limb pain in amputees: incidence, clinical characteristics and relationship to pre-amputation limb pain. Jensen TS, et al. **Pain** 1985 Mar; 21(3):267-78

Contrasting effects of acute vs. chronic tricyclic antidepressant treatment on central morphine analgesia. Kellstein DE, et al. **Pain** 1984 Dec;20(4):323-34

Internists and the chronic pain patient. Margolis RB, et al. **Pain** 1984 Oct;20(2):151-6

The myth of painless childbirth (the John J. Bonica lecture). Melzack R. **Pain** 1984 Aug;19(4):321-37 (36 ref.)

Pain in infancy: neonatal reaction to a heel lance. Owens ME, et al. **Pain** 1984 Sep;20(1):77-86

Two separate components of pain produced by the submaximal effort tourniquet test. Pertovaara A, et al. **Pain** 1984 Sep;20(1):53-8

Modification of induced ischaemic pain by transcutaneous electrical nerve stimulation. Roche PA, et al. **Pain** 1984 Sep;20(1):45-52

Childhood pain: the school-aged child's viewpoint. Ross DM, et al. **Pain** 1984 Oct;20(2):179-91

Inhibition of cutaneous nociception by deep musculoskeletal pain [letter] Schimek JJ, et al. **Pain** 1984 Nov;20(3):307-9

Subjective sensitization to tonic heat as an indicator of thermal pain. Severin F, et al. **Pain** 1985 Apr;21(4):369-78

The spatial distribution, intensity and unpleasantness of acute dental pain. Sharav Y, et al. **Pain** 1984 Dec;20(4):363-70

A comparison of phantom sensations among amputees whose amputations were of civilian and military origins. Sherman RA, et al. **Pain** 1985 Jan;21(1):91-7

Elevation of pain threshold by vaginal stimulation in women. Whipple B, et al. **Pain** 1985 Apr;21(4):357-67

Chronic knee pain in the athlete. Murray J. **Pediatr Ann** 1984 Aug;13(8):613-5, 618-9, 621

A comparison of the antinociceptive and behavioral effects of D-Arg substituted dipeptides and tetrapeptides in mice. Sato T, et al. **Peptides (Fayetteville)** 1985 Jan-Feb; 6(1):35-40

Intracerebroventricular saline treatment elevates the pain threshold. Is this phenomenon mediated by peripheral opiate receptors? Miglécz E, et al. **Pharmacol Res Commun** 1985 Feb;17(2):177-87

Nociception and pain. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19;308(1136):219-431

Cortical nociceptive systems. Andersson SA, et al. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):347-59

Visceral nociception: peripheral and central aspects of visceral nociceptive systems. Cervero F. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):325-37

Pharmacology of descending control systems. Duggan AW. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):375-91

Anatomy and physiology of a nociceptive modulatory system. Fields HL, et al. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):361-74

Thalamic nociceptive systems. Guilbaud G. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):339-45

Multiple opioid ligands and receptors in the control of nociception. Höllt V, et al. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):299-312

Spinal processing: anatomy and physiology of spinal nociceptive mechanisms. Iggo A, et al. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):235-52

Types of opioid receptors: relation to antinociception. Kosterlitz HW, et al. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19;308(1136):291-7

Peripheral and central aspects of trigeminal nociceptive systems. Matthews B. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19;308(1136):313-24

Pain and nociception in the clinical context. Nathan PW. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):219-26

Nociceptor activation and pain. Torebjörk E. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):227-34

Future trends in pain research. Wall PD. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):393-405

Nociceptive pathways: anatomy and physiology of nociceptive ascending pathways. Willis WD. **Philos Trans R Soc Lond [Biol]** 1985 Feb 19; 308(1136):253-70

Effect of intermittent, supine cervical traction on the myoelectric activity of the upper trapezius muscle in subjects with neck pain. Jette DU, et al. **Phys Ther** 1985 Aug;65(8):1173-6

Nociceptive thresholds following food restriction and return to free-feeding. Hamm RJ, et al. **Physiol Behav** 1984 Sep; 33(3):499-501

Visual evoked potentials and nociceptive thresholds in high and low self-stimulators. Levin D, et al. **Physiol Behav** 1984 May;32(5):887-9

Ventral tegmental self-stimulation, sensory reactivity and pain reduction in rats selected for high and low rates of lateral hypothalamic self-stimulation. Moreau JL, et al. **Physiol Behav** 1984 Nov;33(5):825-30

Vestibular versus tail-pinch activation in cats with lateral hypothalamic lesions. O'Brien DP, et al. **Physiol Behav** 1985 May;34(5):811-4

The influence of exercise on dental pain thresholds and the release of stress hormones. Pertovaara A, et al. **Physiol Behav** 1984 Dec;33(6):923-6

Stress-induced analgesia evoked by intraperitoneal injection of hypertonic saline: evidence for its occurrence in vasopressin deficient rats. Wright DM, et al. **Physiol Behav** 1985 May;34(5):691-5

The influence of adenosine upon thermoalgesic sensitivity. Haulică J, et al. **Physiologie** 1984 Jul-Sep;21(3):167-72

Beta-endorphin-(1-27) is a naturally occurring antagonist to etorphine-induced analgesia. Nicolas P, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3178-81

The effects of corticosterone on opioid stress analgesia. Terman GW, et al. **Proc West Pharmacol Soc** 1984; 27:447-50

On the role of endogenous opioid mechanisms in offense, defense and nociception. Rodgers RJ, et al. **Prog Clin Biol Res** 1984;167:27-41

Pain pathways in the primate. Willis WD Jr. **Prog Clin Biol Res** 1985;176:117-33 (61 ref.)

Pain, nociception and spinal opioid receptors. Quirion R. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):571-9 (81 ref.)

GABAergic mechanisms in antinociception. Sawynok J. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):581-6

Endocrine effects of the cold pressor test: relationships to subjective pain appraisal and coping. Bullinger M, et al. **Psychiatry Res** 1984 Jul;12(3):227-33

Tonic pain inhibits phasic pain: evoked cerebral potential correlates in man. Chen AC, et al. **Psychiatry Res** 1985 Apr;14(4):343-51

Normal pain sensitivity in patients with panic disorder. Roy-Byrne P, et al. **Psychiatry Res** 1985 Jan;14(1):77-84

Cortisol and prolactin responses to dexamethasone in major depression, chronic pain, and chronic pain with major depression. Atkinson JH Jr, et al. **Psychopharmacol Bull** 1985;21(3):690-3

Separation of the associative and non-associative effects of brain serotonin released by p-chloroamphetamine: dissociable serotoninergic involvement in avoidance learning, pain and motor function. Ogren SO, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):12-26

Electrodermal activity in patients with chronic pain: implications for the specificity of physiological indices in relation to psychopathology. Carr V, et al. **Psychophysiology** 1985 Mar;22(2):208-17

Physiological and pharmacological investigations on pain control. Eccles J. **Schweiz Monatsschr Zahnmed** 1984 Oct; 94 Spec No:1004-13 (13 ref.)

Intrinsic mechanisms of pain inhibition: activation by stress. Terman GW, et al. **Science** 1984 Dec 14;226(4680):1270-7

Painful crises and menstruation in sickle cell disease. Samuels-Reid J, et al. **South Med J** 1985 Apr;78(4):384-5

Does preamputation pain influence phantom limb pain in cancer patients? Wall R, et al. **South Med J** 1985 Jan; 78(1):34-6

Pain due to nerve injury. Loeser JD. **Spine** 1985 Apr; 10(3):232-5

Impairment of ketocyclazocine antinociception in rats by perinatal lead exposure. Kitchen I, et al. **Toxicol Lett** 1985 Aug;26(2-3):101-5

Pain--mechanics and management. Fields HL, et al. **West J Med** 1984 Sep;141(3):347-57 (61 ref.)

[Sensory disease spreading along the nerve conduction route--report of 80 cases] Liu CZ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Dec;4(12):711-3 (Eng. Abstr.) **(Chi)**

[Changes in evoked potentials in pain and the tolerance threshold to intensive stimulation after naloxone administration in patients with congenital analgesia] Meng ZH. **Chung Hua I Hsueh Tsa Chih** 1984 Dec;64(12):749-52, 792 (Eng. Abstr.) **(Chi)**

[Cortical modulation of pain] Lin Y, et al. **Sheng Li Ko Hsueh Chin Chan** 1985 Jan;16(1):13-6 (52 ref.) **(Chi)**

[Diffuse noxious inhibitory controls] Zhu B, et al. **Sheng Li Ko Hsueh Chin Chan** 1985 Jan;16(1):17-21 (20 ref.) **(Chi)**

[Pain and endorphins] van Ree JM. **Tijdschr Diergeneeskd** 1985 Jan 1;110(1):3-11 (Eng. Abstr.) **(Dut)**

[Chronic pain: a problem in nocisuppression?] Sprotte G. **Cah Anesthesiol** 1985 Mar;33(2):125-6 **(Fre)**

[Visceral pain: recent aspects] Meunier P, et al. **Gastroenterol Clin Biol** 1985 Jun-Jul;9(6-7):495-503 (98 ref.) **(Fre)**

[Painful legs and unstable toes] Leger JM, et al. **Rev Neurol (Paris)** 1985;141(4):296-304 (Eng. Abstr.) **(Fre)**

[Physiology and physiopathology of substance P] Gamse R. **Arzneimittelforsch** 1984;34(9A):1074-9 (Eng. Abstr.) **(Ger)**

[Pain sensation--causes and possible influences] Gillmann H. **Arzneimittelforsch** 1984;34(9A):1051-2 **(Ger)**

[The role of multiple opioid receptors and their ligands in pain modulation] Herz A. **Arzneimittelforsch** 1984; 34(9A):1080-3 (Eng. Abstr.) **(Ger)**

[Recovery of sensation and reflex activity during treatment with ethanol] Bruno C, et al. **Boll Soc Ital Biol Sper** 1985 Feb 28;61(2):259-62 (Eng. Abstr.) **(Ita)**

[Opioid mechanisms for modulating pain: descending pathways. Critical review] Bertagna G, et al. **Riv Neurol** 1984 Jul-Aug;54(4):217-34 (Eng. Abstr.) **(Ita)**

[Somatosensory evoked potentials and pain discrimination in man] Murayama N. **Nippon Seirigaku Zasshi** 1985; 47(4):182-9 (Eng. Abstr.) **(Jpn)**

[Craniofacial pain] Cravo J, et al. **Rev Port Estomatol Cir Maxilofac** 1984 Jul-Sep; 25(3):887-916 (Eng. Abstr.) **(Por)**

[Subarachnoid anesthesia with pethidine and the hierarchy of pain intensity] Mircea N, et al. **Rev Chir [Chir]** 1983 May-Jun;32(3):225-31 (Eng. Abstr.) **(Rum)**

[A method of the complex evaluation of the pain reaction] Shugailov IA. **Anesteziol Reanimatol** 1985 Jan-Feb; (1):47-51 (Eng. Abstr.) **(Rus)**

[Action of alcohol in chronic emotional pain stress in rats] Guliaeva NV, et al. **Biull Eksp Biol Med** 1985 Aug; 100(8):204-6 (Eng. Abstr.) **(Rus)**

[Effect of emotional and pain stress on the contractile function of the hypertrophied heart muscle] Saulia AI, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):145-7 (Eng. Abstr.) **(Rus)**

[Theories of pain: past and present] Limanskii IuP. **Fiziol Zh** 1985 May-Jun;31(3):337-45 (26 ref.) **(Rus)**

[Effect of electroacupuncture and morphine on evoked potentials in the oral and caudal trigeminal nuclei in the cat] Dolgikh VG, et al. **Neirofiziologiia** 1985;17(2):147-52 (Eng. Abstr.) **(Rus)**

[Neurochemical mechanisms of the regulation of pain sensitivity] Bragin EO. **Usp Fiziol Nauk** 1985 Jan-Mar; 16(1):21-42 (122 ref.) **(Rus)**

[Brain opiates and pain] Lackovic Z, et al. **Lijec Vjesn** 1985 Jul;107(7):309-13 (Eng. Abstr.) **(Ser)**

[Analgesics and age. II. Age-determined changes in the effects of mild analgesics] Nicák A, et al. **Cas Lek Cesk** 1984 Aug 24;123(34):1061-5 **(Slo)**

[Ischemic muscular pain. II. Its evaluation by the McGill Pain Questionnaire in the repeated performance of an experimental test] Lahuerta Dal Ré J, et al. **Rev Med Univ Navarra** 1984 Sep;28(3):36-40 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Effect of lignocaine on pain caused by propofol injection [letter] Brooker J, et al. **Anaesthesia** 1985 Jan;40(1):91-2

Failure of two benzodiazepines to prevent suxamethonium-induced muscle pain. Chestnutt WN, et al. **Anaesthesia** 1985 Mar;40(3):263-9

Pain-free venepuncture. Effect of timing of application of local anaesthetic cream. Hallén B, et al. **Anaesthesia** 1984 Oct;39(10):969-72

Antinociceptive effects of intrathecal opioids, noradrenaline and serotonin in rats: mechanical and thermal algesic tests. Kuraishi Y, et al. **Brain Res** 1985 Feb 4;326(1):168-71

The changing nature of pain control. Clinical aspects of endorphins and enkephalins. Hirst M. **Can Dent Assoc J** 1985 Jul;51(7):493-8 (60 ref.)

Administration of ketoprofen suppositories for out-patient post-operative analgesia. Himendra A, et al. **Curr Med Res Opin** 1985;9(7):436-41

Reduction of pain following hysterosalpingogram by prior analgesic administration. Owens OM, et al. **Fertil Steril** 1985 Jan;43(1):146-8

Role of beta-endorphins in analgesia associated with reactive hyperemia. Mooring FJ, et al. **Invest Radiol** 1985 May-Jun; 20(3):293-6

Pain and laboratory animals [letter] Morton DB. **Nature** 1985 Sep 12-18;317(6033):106

Afferent stimulation induced pain relief in acute oro-facial pain and its failure to induce sufficient pain reduction in dental and oral surgery. Hansson P, et al. **Pain** 1984 Nov; 20(3):273-8

Antagonism of morphine analgesia by prolyl-leucyl-glycinamide (MIF-1) in humans. Ehrensing RH, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):975-8

D-Baclofen: is it an antagonist at baclofen receptors? Sawynok J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):729-31

Self-report and psychophysiological effects of Lamaze preparation: an analogue of labor pain. Geden E, et al. **Res Nurs Health** 1985 Jun;8(2):155-65

[Effects of serial administration of vanillyl n-nonoylamide on vocalization responses by arterial algogenics in guinea pigs] Andoh R, et al. **Nippon Yakurigaku Zasshi** 1985 Jun; 85(6):481-6 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Physician-patient communication. Posner RB. **Am J Med** 1984 Sep 10;77(3A):59-64

Abused women and chronic pain. Haber JD. **Am J Nurs** 1985 Sep;85(9):1010, 1012

Depression and anxiety in pain clinic patients. Rapid assessment by microcomputer. Han[illegible] GW, et al. **Anaesthesia** 1985 Jul;40(7):676-9

Recurrent abdominal pain in children. Middleton AW, et al. **Aust Fam Physician** 1984 Jun;13(6):426-7

Anxiety, pain and type of dental procedure. Kent G. **Behav Res Ther** 1984;22(5):465-9

Heart rate biofeedback and cold pressor pain: effects of expectancy. Subotnik KL, et al. **Biofeedback Self Regul** 1984 Mar;9(1):55-75

Pre- and post-dexamethasone saliva cortisol determination in chronic pain patients. Atkinson JH Jr, et al. **Biol Psychiatry** 1984 Jul;19(7):1155-9

Pain and potential space. Toward a clinical theory of meaning. Hubner MK. **Bull Menninger Clin** 1984 Sep; 48(5):443-54

Is chronic pain a real condition? [letter] Nunn PJ. **Can Med Assoc J** 1984 Dec 15;131(12):1435-6

Adult perceptions of pain and hunger cries: a synchrony of arousal. Zeskind PS, et al. **Child Dev** 1985 Jun;56(3):549-54

Pain endurance in unilateral cerebral lesions. Cubelli R, et al. **Cortex** 1984 Sep;20(3):369-75

Do certain headache syndromes occur in 'pain-prone' patients? Ziegler DK, et al. **Headache** 1985 Mar;25(2):90-4

Latent structure of strategies used to cope with nociceptive stimulation. Wack JT, et al. **Health Psychol** 1984;3(1):27-43

Chronic pain and marital difficulties. Roy R. **Health Soc Work** 1985 Summer;10(3):199-207

The value of laparoscopy in women with chronic pelvic pain and a 'normal pelvis'. Levitan Z, et al. **Int J Gynaecol Obstet** 1985 Feb;23(1):71-4

Meaning in suffering. Kreidler M. **Int Nurs Rev** 1984 Nov-Dec;31(6):174-6

Tolerance of aversive stimuli in relation to life change. Harney MK, et al. **J Behav Med** 1985 Mar;8(1):21-35

An empirical examination of the 'pain-behavior' construct. Turk DC, et al. **J Behav Med** 1985 Jun;8(2):119-30

The relationship between strategies of coping and perception of pain in three chronic pain groups. Anderson LP, et al. **J Clin Psychol** 1984 Sep;40(5):1170-7

MMPI results: a comparison of trauma victims, psychogenic pain, and patients with organic disease. Chaney HS, et al. **J Clin Psychol** 1984 Nov;40(6):1450-4

Psychological assessment in chronic pain. Duckro PN, et al. **J Clin Psychol** 1985 Jul;41(4):499-504

Subscales to the Taylor Manifest Anxiety Scale in three chronically ill populations. Moore PN, et al. **J Clin Psychol** 1984 Nov;40(6):1431-3

Self-report screening measures for depression in chronic pain patients. Turner JA, et al. **J Clin Psychol** 1984 Jul; 40(4):909-13

Cognitive-somatic anxiety response patterning in chronic pain patients and nonpatients. DeGood DE, et al. **J Consult Clin Psychol** 1985 Feb;53(1):137-8

Character, Crohn's disease and pain. Morse RH. **J La State Med Soc** 1985 Mar;137(3):19-23

Chronic pain review. A suspiciously well patient. Morse RH. **J La State Med Soc** 1985 Apr;137(4):19-20, 22

A survivor of Ewing's sarcoma. Morse RH. **J La State Med Soc** 1984 Oct;136(10):17-8, 21

Incidence and implications of alexithymia in chronic pain patients. Catchlove RF, et al. **J Nerv Ment Dis** 1985 Apr; 173(4):246-8

Pain instruction with third- and fourth-grade children: a pilot study. Ross DM, et al. **J Pediatr Psychol** 1985 Mar; 10(1):55-63

Facial expression during induced pain. Craig KD, et al. **J Pers Soc Psychol** 1985 Apr;48(4):1080-91

Conditioned placebo responses. Voudouris NJ, et al. **J Pers Soc Psychol** 1985 Jan;48(1):47-53

Psychological aspects of components of pain. Yang ZL, et al. **J Psychol** 1984 Nov;118(2ND Half):135-46

A test of a common assumption regarding the use of antenatal training during labour. Copstick S, et al. **J Psychosom Res** 1985;29(2):215-8

An investigation of psychosocial factors in patients with upper abdominal pain: a comparison with other groups of surgical outpatients. Stockton M, et al. **J Psychosom Res** 1985;29(2):191-8

Multiple pain complaints in amputees. Lindesay JE. **J R Soc Med** 1985 Jun;78(6):452-5

Cultural group indicators of pain in children. Abu-Saad H. **Matern Child Nurs J** 1984 Fall;13(3):187-96

Chronic pain: an addiction. Portnow JM. **Med Hypotheses** 1984 Sep;15(1):95-9

Providers reaction to dental patient's pain. Render JD. **Milit Med** 1985 Mar;150(3):160-4

Environmental influences in the perception of pain. Kornetsky C. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:24-34

Pain-mood relationships in patients with rheumatoid arthritis. Langley GB, et al. **NZ Med J** 1985 Mar 13;98(774):138-41

Psychometric profiles and facial pain. Eversole LR, et al. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):269-74

Cognitive modification of pain: information in combination with N2O. Dworkin SF, et al. **Pain** 1984 Aug;19(4):339-51

Is the temporo-mandibular pain and dysfunction syndrome a disorder of the mind? [letter] Greene CS, et al. **Pain** 1984 Oct;20(2):207-9

Early screening of pain to prevent it from becoming intractable. Oosterhuis WW. **Pain** 1984 Oct;20(2):193-200

Influencing non-verbal expressions of pain: signal detection analyses. Prkachin KM, et al. **Pain** 1985 Apr;21(4):399-409

Psychosocial predictors of labor pain. Reading AE, et al. **Pain** 1985 Jul;22(3):309-15

Relationship between psychopathology and graduated spinal block findings in chronic pain patients. Sanders SH, et al. **Pain** 1984 Aug;19(4):367-72

Global appropriateness of pain drawings: blind ratings predict patterns of psychological distress and litigation status. Schwartz DP, et al. **Pain** 1984 Aug;19(4):383-8

An evaluation of length and end-phrase of visual analogue scales in dental pain. Seymour RA, et al. **Pain** 1985 Feb; 21(2):177-85

Site of pain: relationship to measures of pain description, behavior and personality. Toomey TC, et al. **Pain** 1984 Aug;19(4):389-97

Relevant and irrelevant anxiety in the reaction to pain. Weisenberg M, et al. **Pain** 1984 Dec;20(4):371-83

Cultural factors in chronic pain. Beltrutti D. **Panminerva Med** 1984 Apr-Jun;26(2):87-92 (22 ref.)

Stressful life events and somatic complaints in adolescents. Greene JW, et al. **Pediatrics** 1985 Jan;75(1):19-22

Comparison of three cognitive strategies in altering pain behaviors on a cold pressor task. Gilligan RM, et al. **Percept Mot Skills** 1984 Aug;59(1):235-40

Controlling pain reports through operant conditioning: a laboratory demonstration. Linton SJ, et al. **Percept Mot Skills** 1985 Apr;60(2):427-37

Compliance with homework to employ self-instructions in controlling ice water pain: an analogue to counseling. Martin GA, et al. **Percept Mot Skills** 1985 Jun;60(3):796-8

The limits of verbal pain descriptors. Nehemkis AM, et al. **Percept Mot Skills** 1984 Aug;59(1):251-4

Validation of a nonverbal instrument for pain location descriptions in children. O'Donnell PJ, et al. **Percept Mot Skills** 1985 Jun;60(3):1010

Accuracy of remembering postdelivery pain. Rofé Y, et al. **Percept Mot Skills** 1985 Feb;60(1):99-105

Psychology of pain. Craig KD. **Postgrad Med J** 1984 Dec; 60(710):835-40

Behavioural science and chronic pain. Fordyce WE. **Postgrad Med J** 1984 Dec;60(710):865-8

Psychological approaches to the treatment of chronic pain. Merskey H. **Postgrad Med J** 1984 Dec;60(710):886-92

Behavioral analysis of chronic pain and its management. Linton SJ, et al. **Prog Behav Modif** 1984;18:1-42 (101 ref.)

Physical pain and the inclination to aggression. Berkowitz L. **Prog Clin Biol Res** 1984;169:27-47

Pain and aggression reconsidered. Blanchard RJ. **Prog Clin Biol Res** 1984;169:1-26

Chronic pain and depression: does the evidence support a relationship? Romano JM, et al. **Psychol Bull** 1985 Jan; 97(1):18-34

Effects of chronic shock on cooperation: a potential model of learned chronic pain behavior. Goldberg SG, et al. **Psychol Rep** 1984 Dec;55(3):899-906

Modification of pain through covert positive reinforcement. Stevens MJ. **Psychol Rep** 1985 Jun;56(3):711-7

Chronic pelvic pain: psychological features and laparoscopic findings. Rosenthal RH, et al. **Psychosomatics** 1984 Nov; 25(11):833-41

Relations between pain, anxiety, mood and muscle tension in chronic pain patients. A correlation study. Linton SJ, et al. **Psychother Psychosom** 1985;43(2):90-5

Engel's pain-prone disorder patient: 25 years after. Roy R. **Psychother Psychosom** 1985;43(3):126-35 (44 ref.)

Registration of pain in a psychological perspective. Bates S, et al. **Scand J Gastroenterol [Suppl]** 1985;109:15-8

Smoking and pain--a method of limits and sensory decision theory analysis. Mueser K, et al. **Scand J Psychol** 1984; 25(4):289-96

Weaving a tangled web: the psychology of deception and self deception in psychogenic pain. Bayer TL. **Soc Sci Med** 1985;20(5):517-27

The spouse's adjustment to chronic pain: cognitive and emotional factors. Block AR, et al. **Soc Sci Med** 1984; 19(12):1313-7

Psychological approaches to the management of arthritis pain. Bradley LA, et al. **Soc Sci Med** 1984;19(12):1353-60

Cognitive dimensions of chronic pain. Ciccone DS, et al. **Soc Sci Med** 1984;19(12):1339-45 (39 ref.)

Developmental changes in infant pain expression during immunization injections. Craig KD, et al. **Soc Sci Med** 1984; 19(12):1331-7

Facial expression accompanying pain. LeResche L, et al. **Soc Sci Med** 1984;19(12):1325-30

Ethnicity and the pain experience. Lipton JA, et al. **Soc Sci Med** 1984;19(12):1279-98

A study of labour pain using the McGill Pain Questionnaire. Niven C, et al. **Soc Sci Med** 1984;19(12):1347-51

Between death and shame: dimensions of pain in Bariba culture. Sargent C. **Soc Sci Med** 1984;19(12):1299-304

Consequences of nonverbal expression of pain: patient distress and observer concern. von Baeyer CL, et al. **Soc Sci Med** 1984;19(12):1319-24

Chronic pain: economic, psychosocial, ethical, preventive, and medical aspects [clinical conference] Marciani RD, et al. **South Med J** 1985 Jun;78(6):719-24

Ethnic and sex differences in response to clinical and induced pain in chronic spinal pain patients. Lawlis GF, et al. **Spine** 1984 Oct;9(7):751-4

Chest pain in adolescents--functional consequences. Goodman BW Jr, et al. **West J Med** 1984 Sep;141(3):342-6

[Pain, perception and expression: an ethological perspective] van Hooff JA. **Tijdschr Diergeneeskd** 1985 Jan 15; 110(2):59-68 (Eng. Abstr.) **(Dut)**

[Pain as a psychological problem (editorial)] Wörz R. **Fortschr Med** 1984 Aug 16;102(29-30):12-3 **(Ger)**

[Clinical aspects and development of psychogenic pain syndromes] Kröber HL. **Nervenarzt** 1985 May;56(5):237-44 **(Ger)**

[Pain] Adler R. **Ther Umsch** 1984 Nov;41(11):765-9 (Eng

Abstr.) **(Ger)**

[Effect of preliminary painful stress on the elaboration of conditioned 'passive' avoidance reactions in the mouse] Abuladze GV, et al. **Zh Vyssh Nerv Deiat** 1984 Nov-Dec;34(6):1176-7 **(Rus)**

[Relation between reactions to pain and the hierarchical rank of animals] Poshivalov VP, et al. **Zh Vyssh Nerv Deiat** 1984 Jul-Aug;34(4):767-70 (Eng. Abstr.) **(Rus)**

[Current status of obstetric psychoprophylaxis] Salvatierra V, et al. **Med Clin (Barc)** 1985 Apr 13;84(14):566-9 **(Spa)**

[Chronic pain and psychosomatics] Estlander AM. **Nord Med** 1985;100(3):67-8 (Eng. Abstr.) **(Swe)**

RADIOGRAPHY

Herniography in athletes with groin pain. Smedberg SG, et al. **Am J Surg** 1985 Mar;149(3):378-82

Roentgenographic observation of gas-fluid levels in the colon of children with abdominal pain and malabsorption of lactose. Barr RG, et al. **Can Med Assoc J** 1985 May 15;132(10):1158-60

RADIONUCLIDE IMAGING

Prognostic significance of normal quantitative planar thallium-201 stress scintigraphy in patients with chest pain. Wackers FJ, et al. **J Am Coll Cardiol** 1985 Jul;6(1):27-30

RADIOTHERAPY

[The question of radiation exposure of the cervical spine in analgesic roentgen irradiation of therapy-resistant humero-scapular periarthritis associated with local cervical syndrome and/or cervicobrachial syndrome] Hoenle R. **Strahlentherapie** 1985 Aug;161(8):498-501 (Eng. Abstr.) **(Ger)**

REHABILITATION

Behavior modification of abnormal gait and chronic pain secondary to somatization disorder. Klein MJ, et al. **Arch Phys Med Rehabil** 1985 Feb;66(2):119-22

Outpatient management of chronic pain: long-term results. Vasudevan SV, et al. **Wis Med J** 1985 May;84(5):7-9

SURGERY

Acromioplasty for impingement syndrome. Thorling J, et al. **Acta Orthop Scand** 1985 Apr;56(2):147-8

Conservation of pancreatic tissue by combined gastric, biliary, and pancreatic duct drainage for pain from chronic pancreatitis. Warshaw AL. **Am J Surg** 1985 Apr;149(4):563-9

Anterior advancement of the tibial tuberosity in the treatment of the patellofemoral pain syndrome. Karlsson J, et al. **Arch Orthop Trauma Surg** 1985;103(6):392-5

Cordotomy and rhizotomy for pain. Mullan SF. **Clin Neurosurg** 1983;31:344-50

The influence of etiology on the results of coccygectomy. Bayne O, et al. **Clin Orthop** 1984 Nov;(190):266-72

Floating pancreatic duct concrements in chronic pancreatitis. Pain relief by endoscopic removal. Schneider MU, et al. **Endoscopy** 1985 Jan;17(1):8-10

Heel pain--operative results. Baxter DE, et al. **Foot Ankle** 1984 Jul-Aug;5(1):16-25

Surgical treatment of glossopharyngeal neuralgia and pain from cancer of the nasopharynx. A 20-year experience. Giorgi C, et al. **J Neurosurg** 1984 Nov;61(5):952-5

Pain relief from dorsal root entry zone lesions made with argon and carbon dioxide microsurgical lasers. Powers SK, et al. **J Neurosurg** 1984 Nov;61(5):841-7

Dorsal root entry zone lesions for post-amputation pain. Saris SC, et al. **J Neurosurg** 1985 Jan;62(1):72-6

Results up to death in the treatment of persistent cervico-thoracic (Pancoast) and thoracic malignant pain by unilateral percutaneous cervical cordotomy. Ischia S, et al. **Pain** 1985 Apr;21(4):339-55

Neurosurgical treatment of chronic pain. Takeda F. **Postgrad Med J** 1984 Dec;60(710):905-13

Changing trends in the neurosurgical management of chronic pain. Epstein JA. **Spine** 1985 Jan-Feb;10(1):100-1

A denervated pancreatic flap for control of chronic pain in pancreatitis. Warren WD, et al. **Surg Gynecol Obstet** 1984 Dec;159(6):581-3

[Treatment of persistent ocular pain by radio-frequency current in thermocoagulation] Gao YQ. **Chung Hua Yen Ko Tsa Chih** 1984 Sep;20(5):299-301 **(Chi)**

THERAPY

Transcutaneous electrical stimulation for pain relief. Loeser JD. **Acta Anaesthesiol Belg** 1984;35 Suppl:243-8

Naloxone does not reverse the pain-reducing effect of vibratory stimulation. Lundeberg T. **Acta Anaesthesiol Scand** 1985 Feb;29(2):212-6

Effect of electro-acupuncture on chronic painful conditions in general medical practice--a 4 years' study. Cheung JY. **Am J Chin Med** 1985;13(1-4):33-8

Breaking the chronic pain cycle. Alberico JG. **Am J Nurs** 1984 Oct;84(10):1222-5

A cancer center's outreach. Coyle N. **Am J Nurs** 1985 May;85(5):590, 594

Shoulder pain in hemiplegia. Andersen LT. **Am J Occup Ther** 1985 Jan;39(1):11-9

A technique for the insertion of an implantable portal system for the long-term epidural administration of opioids in the treatment of cancer pain. Cherry DA, et al. **Anaesth Intensive Care** 1985 May;13(2):145-52

Blood flow, sympathetic activity and pain relief following lumbar sympathetic blockade or surgical sympathectomy. Walsh JA, et al. **Anaesth Intensive Care** 1985 Feb;13(1):18-24

Review of domiciliary consultations for pain relief. Casale FF, et al. **Anaesthesia** 1985 Apr;40(4):366-8

Paraplegia following epidural potassium chloride. Shanker KB, et al. **Anaesthesia** 1985 Jan;40(1):45-7

Relief of the pain of unresectable carcinoma of pancreas by chemical splanchnicectomy during laparotomy. Gardner AM, et al. **Ann R Coll Surg Engl** 1984 Nov;66(6):409-11

Electrical stimulation of the posterior limb of the internal capsule for treatment of thalamic pain. Namba S, et al. **Appl Neurophysiol** 1984;47(3):137-48

Mechanism of neuroadenolysis of the pituitary for cancer pain control. Trouwborst A, et al. **Appl Neurophysiol** 1984;47(3):97-110

Relief from pain in Sudeck's posttraumatic syndrome by fasciotomy. A clinical, radiographic, and scintigraphic study. Sudmann E, et al. **Arch Orthop Trauma Surg** 1984;103(3):185-9

Chronic pain and the physiatrist. Wainapel SF. **Arch Phys Med Rehabil** 1985 Mar;66(3):195-6

Wash away a bellyache [letter] Moss G. **Arch Surg** 1985 Sep;120(9):1088

Relaxation training for chronic pain patients using EMG feedback: an analysis of process and outcome effects. Spence ND. **Aust NZ J Psychiatry** 1984 Sep;18(3):263-72

Management of pain in sickle cell disease using biofeedback therapy: a preliminary study. Thomas JE, et al. **Biofeedback Self Regul** 1984 Dec;9(4):413-20

Medical or physical management of facial muscle and joint pain? A dialogue. Berry DC, et al. **Br Dent J** 1985 Mar 23;158(6):227-9

'Medical or physical management of facial muscle and joint pain' [letter] Harris M, et al. **Br Dent J** 1985 Jul 6;159(1):6

A controlled study of the effects of applied relaxation and applied relaxation plus operant procedures in the regulation of chronic pain. Linton SJ, et al. **Br J Clin Psychol** 1984 Nov;23 (Pt 4):291-9

Psychophysical and electrophysiological approaches to the pain-relieving effects of heterotopic nociceptive stimuli. Willer JC, et al. **Brain** 1984 Dec;107 (Pt 4):1095-112

Met-enkephalin-Arg6-Phe7-like immunoreactive substances mediate electroacupuncture analgesia in the periaqueductal gray of the rabbit. Han JS, et al. **Brain Res** 1984 Nov 26;322(2):289-96

Management techniques for chronic pain of the upper extremity. Omer GE Jr. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall;44(2):381-405 (148 ref.)

The use of hypnosis in controlling cancer pain. Spiegel D. **CA** 1985 Jul-Aug;35(4):221-31

Interpretive psychotherapy with chronic pain patients [letter] Paris J. **Can J Psychiatry** 1984 Apr;29(3):285

Credibility of placebo transcutaneous nerve stimulation and acupuncture. Petrie J, et al. **Clin Exp Rheumatol** 1985 Apr-Jun;3(2):151-3

Acupuncture in the treatment of chronic cervical pain. A pilot study. Petrie JP, et al. **Clin Exp Rheumatol** 1983 Oct-Dec;1(4):333-6

Stimulation of the peripheral nervous system for pain control. Long DM. **Clin Neurosurg** 1983;31:323-43

Intracranial stimulation for the control of chronic pain. Richardson DE. **Clin Neurosurg** 1983;31:316-22

Subcalcaneal pain [letter] Coombes WN. **Clin Orthop** 1984 Nov;(190):311-2

The diagnosis and management of psychogenic facial pain disorders. Feinmann C, et al. **Clin Otolaryngol** 1984 Aug;9(4):199-201

Management of chronic pain. Flexner JM. **Compr Ther** 1985 Apr;11(4):6-9

Pain and pain control in children. Schechter NL. **Curr Probl Pediatr** 1985 May;15(5):1-67

Relief of sinus pain by vibratory stimulation. Lundeberg T, et al. **Ear Nose Throat J** 1985 Apr;64(4):163-7

Current concepts of geriatric pain and its treatment. Kwentus JA, et al. **Geriatrics** 1985 Apr;40(4):48-54, 57 (26 ref.)

Psychological therapies for chronic pain. Tsushima WT. **Hawaii Med J** 1985 Apr;44(4):124-5

Chronic pain management. Blackwell B, et al. **Hosp Community Psychiatry** 1984 Oct;35(10):999-1008

Hypnosis and the management of pain. Covino NA, et al. **Hosp Pract [Off]** 1985 Feb 15;20(2):48G, 48J, 48L passim

Management of chronic pain (a short review). Andersson S, et al. **Indian J Cancer** 1984 Jul-Aug;21(3):102-5

WHO guidelines for the use of analgesics in cancer pain. Ventafridda V, et al. **Int J Tissue React** 1985;7(1):93-6

Osteotomy of the patella in the patellofemoral pain syndrome. The significance of increased intraosseous pressure during sustained knee flexion. Hejgaard N, et al. **Int Orthop** 1984;8(3):189-94

A review of nonintrusive therapies used to deal with anxiety and pain in the dental office. Sokol DJ, et al. **J Am Dent Assoc** 1985 Feb;110(2):217-22

A retrospective analysis of heel pain. O'Brien D, et al. **J Am Podiatr Med Assoc** 1985 Aug;75(8):416-8

Current concepts of chronic pain management. Carron H. **J Arkansas Med Soc** 1985 Jan;81(8):421-3

The clinical use of mindfulness meditation for the self-regulation of chronic pain. Kabat-Zinn J, et al. **J Behav Med** 1985 Jun;8(2):163-90

Chemical lumbar sympathectomy [editorial] Duncan JA. **J Bone Joint Surg [Br]** 1985 Mar;67(2):174-5

Direct nerve stimulation for painful peripheral neuropathies. Waisbrod H, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):470-2

Biochemical correlates of hypnoanalgesia in arthritic pain patients. Domangue BB, et al. **J Clin Psychiatry** 1985 Jun;46(6):235-8

Outpatient group treatment of chronic pain: effects of spouse involvement. Moore JE, et al. **J Consult Clin Psychol** 1985 Jun;53(3):326-34

Chronic pain: when aspirin doesn't work. Novak EJ. **J Kans Med Soc** 1984 Oct;85(10):265-6, 279

Neurophysiological and nutritional considerations of pain control. Pressman AH, et al. **J Manipulative Physiol Ther** 1984 Dec;7(4):219-29 (110 ref.)

Pain suppression induced by electrical stimulation of the pontine parabrachial region. Experimental study in cats. DeSalles AA, et al. **J Neurosurg** 1985 Mar;62(3):397-407

Electrical stimulation of the brain in treatment of chronic pain. Experience over 5 years. Young RF, et al. **J Neurosurg** 1985 Mar;62(3):389-96

Long-term high frequency transcutaneous electrical nerve stimulation (hi-TNS) in chronic pain. Clinical response and effects on CSF-endorphins, monoamine metabolites, substance P-like immunoreactivity (SPLI) and pain measures. Almay BG, et al. **J Psychosom Res** 1985;29(3):247-57

Effects of acupuncture and transcutaneous electrical nerve stimulation on cold-induced pain in normal subjects. Ashton H, et al. **J Psychosom Res** 1984;28(4):301-8

A study of brief psychotherapy for chronic pain. Bassett DL, et al. **J Psychosom Res** 1985;29(3):259-64

Ultrasound therapy for herpes zoster pain [letter] Walker E. **J R Coll Gen Pract** 1984 Nov;34(268):627-8

Hypnosis in terminal care: discussion paper. O'Connell S. **J R Soc Med** 1985 Feb;78(2):122-5

Acupuncture therapy in the treatment of chronic head, neck and neck-related pain. Strauss S. **J Tradit Chin Med** 1985 Mar;5(1):13-8

Should regional anesthesia and pharmacological agents such as beta blockers and opiates be utilized in modulating pain response? Kehlet H. **J Trauma** 1984 Sep;24(9 Suppl):S177-86

Painful diabetic neuropathy [letter] **Lancet** 1985 Feb 9;1(8424):348-9

Diagnosis before treatment? Salter RH. **Lancet** 1985 Apr 13;1(8433):863-4

Management of cancer pain. A practical approach. Coates G. **Med J Aust** 1985 Jan 7;142(1):30-5 (34 ref.)

The treatment of cancer pain. Foley KM. **N Engl J Med** 1985 Jul 11;313(2):84-95 (124 ref.)

Changes in plasma opioid concentrations after physiotherapeutic exercises for arthritic patients. Jones CA, et al. **Neuropeptides** 1985 Feb;5(4-6):561-2

Steroids and lumbar discectomy [letter] Dunsker SB. **Neurosurgery** 1985 Apr;16(4):583-4

Integration in pain therapy against disintegration in pathological pain. Hassler R. **Neurosurgery** 1984 Dec;15(6):890-2

Nonpharmacologic pain management in arthritis. Johnson JA, et al. **Nurs Clin North Am** 1984 Dec;19(4):583-91 (17 ref.)

Management of chronic pain. Escobar PL. **Nurse Pract** 1985 Jan;10(1):24-5, 29-30, 32

The medical treatment of head and neck pain. Resor SR Jr, et al. **Otolaryngol Clin North Am** 1984 Nov;17(4):787-801

Contrast medium causes the apparent increase in beta-endorphin levels in human cerebrospinal fluid following brain stimulation. Dionne RA, et al. **Pain** 1984 Dec;20(4):313-21

The use of structured group therapy sessions in the treatment of chronic pain patients. Gamsa A, et al. **Pain** 1985 May;22(1):91-6

Multidisciplinary pain center follow-up study: evaluation with a no-treatment control group. Guck TP, et al. **Pain** 1985 Mar;21(3):295-306

Prediction of treatment response in pain patients: the illness self-concept repertory grid and EMG feedback. Large RG. **Pain** 1985 Mar;21(3):279-87

Pain alleviation by vibratory stimulation. Lundeberg T, et al. **Pain** 1984 Sep;20(1):25-44

Long-term results of vibratory stimulation as a pain relieving measure for chronic pain. Lundeberg T. **Pain** 1984 Sep;20(1):13-23

Modification of haemophiliac haemorrhage pain by transcutaneous electrical nerve stimulation. Roche PA, et al. **Pain** 1985 Jan;21(1):43-8

Behavioral approaches to the management of chronic pain in children. Masek BJ, et al. **Pediatr Clin North Am** 1984 Oct;31(5):1113-31 (69 ref.)

Fluidotherapy and exercise in the management of sickle cell anemia. A clinical report. Alcorn R, et al. **Phys Ther** 1984 Oct;64(10):1520-2

Applications of transcutaneous electrical nerve stimulation in the management of patients with pain. State-of-the-art update. Gersh MR, et al. **Phys Ther** 1985 Mar;65(3):314-36

Transcutaneous electrical nerve stimulation for relief of parturition pain. A clinical report. Grim LC, et al.

NEWARK PUBLIC LIBRARY

Phys Ther 1985 Mar;65(3):337-40

Nerve blocks and chronic pain states--an update. 2. Clinical indications. Brena SF. **Postgrad Med** 1985 Sep 15; 78(4):77-86

Nerve blocks and chronic pain states--an update. 1. Basic considerations. Brena SF. **Postgrad Med** 1985 Sep 15; 78(4):62-71

Management of pain with regional analgesia. Bonica JJ. **Postgrad Med J** 1984 Dec;60(710):897-904

Acupuncture and transcutaneous electrical nerve stimulation. Melzack R, et al. **Postgrad Med J** 1984 Dec;60(710):893-6

Behavioral assessment and management of pediatric pain. Katz ER, et al. **Prog Behav Modif** 1984;18:163-93 (127 ref.)

Antinociceptive effects of peripheral nerve stimulation. Chung JM. **Prog Clin Biol Res** 1985;176:147-61

Analgesia produced by electrical stimulation of the brain. Mayer DJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(4-6):557-64 (55 ref.)

Geophysical variables and behavior: XXVII. Magnetic necklace: its therapeutic effectiveness on neck and shoulder pain: 2. Psychological assessment. Lin JC, et al. **Psychol Rep** 1985 Apr;56(2):639-49

The relationship of pathogenetic mechanisms to treatment in patients with pain. Ramsay RA. **Psychother Psychosom** 1984;42(1-4):69-79

New directions in the understanding and management of pain. Chapman CR. **Soc Sci Med** 1984;19(12):1261-77 (121 ref.)

Managing the problem pain patient: compliance or social control? Kotarba JA, et al. **Soc Sci Med** 1984; 19(12):1393-400

Physiological and psychological explanations for the mechanism of acupuncture as a treatment for chronic pain. Lewith GT, et al. **Soc Sci Med** 1984;19(12):1367-78 (115 ref.)

Chronic pain. Kuhn WF. **South Med J** 1984 Sep;77(9):1103-6 (21 ref.)

Management of chronic pain. Andersson S, et al. **West Indian Med J** 1984 Dec;33(4):209-12 (46 ref.)

Pelvic pain cured by pelvic examination [letter] Schneiderman H. **West J Med** 1984 Nov;141(5):686

[Treatment of pain in a multidisciplinary pain clinic] Andersen S, et al. **Ugeskr Laeger** 1984 Apr 30; 146(18):1350-4 (Eng. Abstr.) **(Dan)**

[Reflexotherapy in urology] Henry JC, et al. **Acta Urol Belg** 1984;52(4):617-21 (Eng. Abstr.) **(Fre)**

[Remote results of cryotherapy in post-traumatic recurrent corneal pain] Duriez JC. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul;84(6-7):843-4, 847 (Eng. Abstr.) **(Fre)**

[Comparison of morphine analgesia by peridural, subarachnoid and intracerebroventricular injections] Batier C, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):43-5 **(Fre)**

[Prolonged administration of morphine via the intrathecal route] Gestin Y, et al. **Cah Anesthesiol** 1985 Jan-Feb; 33(1):47-9 **(Fre)**

[Treatment of deafferentation pain by high-frequency intervention on the dorsal root entry zone] Wiegand H, et al. **Dtsch Med Wochenschr** 1985 Feb 8;110(6):216-20 (Eng. Abstr.) **(Ger)**

[Electrotherapy of pain relief using the Tenzcare stimulator. A clinico-experimental study] Hertz H, et al. **Wien Klin Wochenschr** 1984 Aug 3;96(15):585-8 (Eng. Abstr.) **(Ger)**

[New data on the value of acupuncture (letter)] Greguss P. **Orv Hetil** 1985 Mar 31;126(13):806 **(Hun)**

[In defense of acupuncture (letter)] Szlovák F. **Orv Hetil** 1985 Mar 31;126(13):806-8 **(Hun)**

[Treatment of pain in acute herpes zoster and post-herpetic neuritis] Bassino P, et al. **Minerva Anestesiol** 1985 Jan-Feb; 51(1-2):45-50 (Eng. Abstr.) **(Ita)**

[Counterirritation analgesia. Clinical evaluation of the effect of trigger points in chronic non-malignant pain] Mariot G, et al. **Minerva Anestesiol** 1985 Jan-Feb;51(1-2):51-5 (Eng. Abstr.) **(Ita)**

[Incident pain from collapsed vertebrae in the menopause. The logical principle of our therapeutic protocol] Mocavero G, et al. **Minerva Anestesiol** 1984 Nov; 50(11):573-6 (Eng. Abstr.) **(Ita)**

[The role of the pituitary in the development of electroacupuncture analgesia in rats] Iguchi Y, et al. **Nippon Yakurigaku Zasshi** 1985 Jun;85(6):453-65 (Eng. Abstr.) **(Jpn)**

[Recent progress in pain control. Report on an international symposium on pain held at Kyoto] Tanaka T. **Sangyo Ika Daigaku Zasshi** 1983 Jun 1;5(2):299-302 **(Jpn)**

[Medical treatment of severe pain] Breivik H. **Nord Med** 1985; 100(3):69-72 (Eng. Abstr.) **(Nor)**

[Our experience in the therapy of pain] Sandu L. **Rev Chir [Chir]** 1984 Nov-Dec;33(6):471-6 (Eng. Abstr.) **(Rum)**

[Dynamics of the bioelectrical activity of the brain during application of electroacupuncture] Poluianova LA, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):19-22 (Eng. Abstr.) **(Rus)**

[Analgesic laser therapy of patients with post-traumatic and involutional lesions of the musculoskeletal system] Ternovoi KS. **Ortop Travmatol Protez** 1984 Jul;(7):1-7 (Eng. Abstr.) **(Rus)**

[Quantitative thermography after manual therapy] Diurianova I. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):35-7 (Eng. Abstr.) **(Rus)**

[Manual therapy of vertebrogenic cardialgia] Voitanik SA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb; (1):69-71 **(Rus)**

[Use of local transcutaneous electrostimulation in treating pain syndromes] Macheret EL, et al. **Vrach Delo** 1984 Sep; (9):101-4 (Eng. Abstr.) **(Rus)**

[Objective characterization of the effects of manipulation and positional relaxation using quantitative thermography] Durianová J. **Bratisl Lek Listy** 1985 Jan;83(1):87-93 (Eng. Abstr.) **(Slo)**

[Neurolytic block of the celiac ganglia in the treatment of pain caused by chronic pancreatitis (letter)] Zulaica D, et al. **Med Clin (Barc)** 1984 Oct 13;83(11):470-1 **(Spa)**

[Historical development of neurolytic agents used for the treatment of chronic pain] Madrid Arias JL. **Rev Esp Anestesiol Reanim** 1984 Sep-Oct;31(5):197-204 (75 ref.) (Eng. Abstr.) **(Spa)**

[Importance of biofeedback in the treatment of pain] Rodríguez Alvarez E. **Rev Esp Anestesiol Reanim** 1985 Mar-Apr;32(2):53-5 (Eng. Abstr.) **(Spa)**

[Pain relief clinic at Sandviken's hospital--an analysis of 8 years' activity] Brattberg G. **Lakartidningen** 1985 Mar 20; 82(12):1055-7 **(Swe)**

VETERINARY

Cruelty reviewed. Hill JR. **Aust Vet J** 1984 Aug;61(8):245-7

Pain and the laboratory animal [letter] Sharpe R. **Lancet** 1985 Jun 15;1(8442):1387

Guidelines on the recognition of pain, distress and discomfort in experimental animals and an hypothesis for assessment. Morton DB, et al. **Vet Rec** 1985 Apr 20;116(16):431-6

PAIN INSENSITIVITY, CONGENITAL see **ANALGESIA, CONGENITAL**

PAIN, INTRACTABLE

Multifocal idiopathic fibrosis presenting as facial pain and trismus. Lewin IG, et al. **Br J Oral Maxillofac Surg** 1985 Apr;23(2):135-9

CLASSIFICATION

Cross-validation of the Back Pain Classification Scale with chronic, intractable pain patients. Sanders SH. **Pain** 1985 Jul;22(3):271-7

COMPLICATIONS

Desmoid tumor complicating remobilization treatment for a chronic pain syndrome. Hoffberg HJ, et al. **Arch Phys Med Rehabil** 1985 May;66(5):332-4

DIAGNOSIS

Diagnosis of temporomandibular joint pain in patients seen at a pain clinic. Goss AN, et al. **J Oral Maxillofac Surg** 1985 Feb;43(2):110-4

DRUG THERAPY

Implantable injection port for epidural opiates self-administration. Hendrickx P, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:279-84

Differential effects of epidural morphine in the treatment of cancer-related pain. Arnér S, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):32-6

Intrathecal morphine tolerance: use of intrathecal clonidine, DADLE, and intraventricular morphine. Coombs DW, et al. **Anesthesiology** 1985 Mar;62(3):358-63

Heroin: should it be legalized for the treatment of cancer pain? Katz MD, et al. **Ariz Med** 1984 Sep;41(9):602-3

On chemotherapy, pain and cancer [editorial] Lozada-Román JA. **Bol Asoc Med PR** 1985 Mar;77(3):91-2

Common misunderstandings about the use of morphine for chronic pain in advanced cancer. Walsh TD. **CA** 1985 May-Jun;35(3):164-9

Drug management of cancer pain [letter] Moulin DE, et al. **Can Med Assoc J** 1985 Sep 15;133(6):546-7

Continuous infusion of spinally administered narcotics for the relief of pain due to malignant disorders. Krames ES, et al. **Cancer** 1985 Aug 1;56(3):696-702

Management of pain in the terminally ill by administration of epidural narcotics. Malone BT, et al. **Cancer** 1985 Jan 15;55(2):438-40

Analgesia with oral narcotics and added ibuprofen in cancer patients. Weingart WA, et al. **Clin Pharm** 1985 Jan-Feb; 4(1):53-8

Intrathecal morphine sulfate for intractable cancer pain. Paice JA. **J Neurosurg Nurs** 1984 Oct;16(5):237-40

Continuous epidural narcotic analgesia for intractable pain due to malignancy. Yablonski-Peretz T, et al. **J Surg Oncol** 1985 May;29(1):8-10

Epidural opiates: long-term experiences in cancer pain. Zenz M, et al. **Klin Wochenschr** 1985 Mar 1;63(5):225-9

Heroin for the relief of pain [letter] **N Engl J Med** 1984 Dec 20;311(25):1633-4

Unsuccessful treatment of severe pain from bone metastasis with Sinemet 25/100 [letter] Sjølin SU, et al. **N Engl J Med** 1985 Mar 7;312(10):650-1

The use of the opiate antagonist, naloxone, in the treatment of intractable pain. Budd K. **Neuropeptides** 1985 Feb; 5(4-6):419-22

Intraventricular morphine in paraneoplastic painful syndrome of the cervicofacial region: experience in thirty-eight cases. Lenzi A, et al. **Neurosurgery** 1985 Jul;17(1):6-11

Use of intraventricular and intrathecal morphine in intractable pain associated with cancer. Nurchi G. **Neurosurgery** 1984 Dec;15(6):801-3

Fibrous mass complicating epidural morphine infusion. Rodan BA, et al. **Neurosurgery** 1985 Jan;16(1):68-70

Treatment of intractable neurogenic pain with carbamazepine. Rapeport WG, et al. **Scott Med J** 1984 Jul; 29(3):162-5

Epidural opiates and degenerative back pain. Campbell WI. **Ulster Med J** 1983;52(2):161-3

[Peridural morphine in intractable cancer pains. Means and obstacles] Bayer-Berger MM, et al. **Ann Fr Anesth Reanim** 1985;4(4):343-50 (Eng. Abstr.) **(Fre)**

[Continuous peridural morphine analgesia in refractory pain in urology] Dumas JP, et al. **Ann Urol (Paris)** 1985; 19(4):280-2 (Eng. Abstr.) **(Fre)**

[Hygienic relations and stability of drugs in peridural long-term infusion with implanted or external pumps] Müller H, et al. **Anaesthesist** 1985 May;34(5):247-51 (Eng. Abstr.) **(Ger)**

[Pump-guided continuous subcutaneous opiate infusion for the treatment of the most severe pain] Drexel H, et al. **Dtsch Med Wochenschr** 1985 Jul 5;110(27):1063-7 (Eng. Abstr.) **(Ger)**

[Long-term therapy of cancer pain. A controlled study on buprenorphine] Zenz M, et al. **Dtsch Med Wochenschr** 1985 Mar 22;110(12):448-53 (Eng. Abstr.) **(Ger)**

[Peridural morphine analgesia for the control of tumor-induced pain in gynecologic cancer patients] Hettenbach A, et al. **Geburtshilfe Frauenheilkd** 1984 Aug; 44(8):503-5 (Eng. Abstr.) **(Ger)**

[Continuous, long-term peridural morphine analgesia in an ambulatory cancer patients] Bause H, et al. **Reg Anaesth** 1984 Jul;7(3):86-8 (Eng. Abstr.) **(Ger)**

[Thoracic peridural opiate-analgesia] Kiss I, et al. **Reg Anaesth** 1985 Jul;8(3):57-9 (Eng. Abstr.) **(Ger)**

[Analgesic activity of Benexol-B12 in the painful vertebral syndrome] Destito D, et al. **Acta Vitaminol Enzymol** 1985; 7(1-2):9-18 (Eng. Abstr.) **(Ita)**

[Pathological findings in a patient after long-term epidural administration of morphine] Fukuuchi A, et al. **Masui** 1984 Nov;33(11):1242-5 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of morphine hydrochloride suppository] Sato T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Feb 20;19(1):80-7 (Eng. Abstr.) **(Jpn)**

[Pain and opioid peptides] Oyama T. **Nippon Rinsho** 1984 Apr;42(4):907-12 **(Jpn)**

[Pain therapy in children with cancer] Storm-Mathisen I, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1743-5 **(Nor)**

[Our experience with epidural chemical neurolysis in the treatment of chronic pain syndromes] Dobrogowski J, et al. **Pol Tyg Lek** 1985 Feb 11;40(6):165-6 (Eng. Abstr.) **(Pol)**

[Chemical neurolysis in advanced neoplasms] Kuś M, et al. **Pol Tyg Lek** 1985 Feb 11;40(6):175-7 (32 ref.) **(Pol)**

[Calcitonin--possibilities of its use in the treatment of pain] Miarka J, et al. **Wiad Lek** 1984 Sep 15;37(18):1426-9 (29 ref.) **(Pol)**

[Analgesia in incurable cancer patients with persistent pain syndrome] Zhorov VI. **Sov Med** 1984;(11):105-8 **(Rus)**

[Cancer pain resistant to analgesics. New research findings can partially explain unsatisfactory effects of analgesics] Arnér S. **Lakartidningen** 1985 Feb 6;82(6):385-8 (Eng. Abstr.) **(Swe)**

ETIOLOGY

Chronic pain and scarring from cement burns. Lane PR, et al. **Arch Dermatol** 1985 Mar;121(3):368-9

Chordoma in a chronic pain patient. McCain MA. **Arch Phys Med Rehabil** 1985 Jul;66(7):457-8

The impact of pain on the patient with cancer. Cleeland CS. **Cancer** 1984 Dec 1;54(11 Suppl):2635-41

Musculoskeletal disease in the pain relief clinic. White DJ. **Practitioner** 1985 Feb;229(1400):163-7

PHYSIOPATHOLOGY

Blood flow patterns in painful diabetic neuropathy. Archer AG, et al. **Diabetologia** 1984 Dec;27(6):563-7

PREVENTION & CONTROL

Early screening of pain to prevent it from becoming intractable. Oosterhuis WW. **Pain** 1984 Oct;20(2):193-200

RADIOTHERAPY

Strontium-89 therapy for the pain of osseous metastases. Silberstein EB, et al. **J Nucl Med** 1985 Apr;26(4):345-8

SURGERY

Analgesic levels and technical method in stereotactic pontine spinothalamic tractotomy. Hitchcock E, et al. **Acta Neurochir (Wien)** 1985;77(1-2):29-36

Percutaneous cervical cordotomy: results and complications in a recent series of 100 patients. Lahuerta J, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):41-4

Evoked potentials as an aid to lesion making in the dorsal root entry zone. Campbell JA, et al. **Neurosurgery** 1984

Dec;15(6):951-2

Current status of the DREZ operation: 1984. Nashold BS Jr. **Neurosurgery** 1984 Dec;15(6):942-4

Is the substantia gelatinosa the target in dorsal root entry zone lesions? An autopsy report. Richter HP, et al. **Neurosurgery** 1984 Dec;15(6):913-6

Dorsal root entry zone lesions for the control of deafferentation pain: experiences in ten patients. Richter HP, et al. **Neurosurgery** 1984 Dec;15(6):956-9

Thermocoagulation of the dorsal root entry zone for the treatment of intractable pain. Samii M, et al. **Neurosurgery** 1984 Dec;15(6):953-5

Dorsal root entry zone lesions (Nashold's procedure) in brachial plexus avulsion. Thomas DG, et al. **Neurosurgery** 1984 Dec;15(6):966-8

Success in surgery may not require cutting the tracts. Nathan PW. **Pain** 1985 Jul;22(3):317-9

[A new apparatus and stereotactic method for percutaneous high cervical cordotomy] Iseki H, et al. **No Shinkei Geka** 1985 Feb;13(2):137-42 (Eng. Abstr.) **(Jpn)**

THERAPY

New neurosurgical techniques in the treatment of intractable pain. Iacono RP. **Ariz Med** 1985 May;42(5):300-4

Deep brain stimulation for alleviating chronic intractable pain. Kumar K, et al. **Can J Surg** 1985 Jan;28(1):20-2

Diagnosing and managing chronic pain syndrome. Tollison CD. **J SC Med Assoc** 1984 Sep;80(9):449-52

Hospice effectiveness in controlling pain. Kane RL, et al. **JAMA** 1985 May 10;253(18):2683-6

Plasmatic beta-endorphin levels and thalamic surgery for pain. Lopez JA, et al. **Neurol Res** 1985 Mar;7(1):35-8

Pain in avulsion of the brachial plexus. Parry CB. **Neurosurgery** 1984 Dec;15(6):960-5

Intrathecal morphine for intractable pain secondary to cancer of pelvic organs. Wang JK. **Pain** 1985 Jan;21(1):99-102

Evaluation of transsphenoidal hypophysectomy in the management of metastatic breast carcinoma. Hormone responsiveness and the interval between initial diagnosis and hypophysectomy provide the most reliable predictors of success. Leclercq TA, et al. **RI Med J** 1984 Oct;67(10):437-40

[Solar (celiac) block in intractable neoplastic pain originating in the subdiaphragmatic digestive system] Batier C, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):31-4 (Eng. Abstr.) **(Fre)**

[Treatment of pancreatic pain] Legout J, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):35-7 **(Fre)**

[Long-term peridural morphine analgesia in neoplastic and vascular pathology] Michon F, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):39-42 (Eng. Abstr.) **(Fre)**

[Initial experiences with simultaneous combined radiation and cytostatic chemotherapy in the modification of intractable pain by inoperable tumor growth in the ENT area] Abresch HL, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Mar;64(3):136-8 (Eng. Abstr.) **(Ger)**

[Pain therapy in the recurrence of colorectal cancer] Schilling K. **Zentralbl Chir** 1985;110(2-3):177-85 (Eng. Abstr.) **(Ger)**

[Epidural spinal cord stimulation: its efficacy and mechanisms] Maruyama Y, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):729-35 (Eng. Abstr.) **(Jpn)**

[The study of neuro-adrenolysis of pituitary gland on cancer pain and experimental approach to reveal its mechanism of pain relief] Sasaki K. **Hokkaido Igaku Zasshi** 1985 Jan;60(1):24-37 (Eng. Abstr.) **(Jpn)**

[The anti-bacterial effect of the povidone-iodine gel for continuous epidural block] Nagaro T, et al. **Masui** 1984 Nov;33(11):1254-9 (Eng. Abstr.) **(Jpn)**

[Computerized tomography-guided stereotaxic implantation of deep brain-stimulating electrodes] Takizawa T. **Neurol Med Chir (Tokyo)** 1985 Mar;25(3):177-80 (Eng. Abstr.) **(Jpn)**

[Percutaneous epidural electrical stimulation of the spinal cord for intractable pain--with special reference to deafferentation pain] Tsuda T, et al. **No Shinkei Geka** 1985 Apr;13(4):409-15 (Eng. Abstr.) **(Jpn)**

[Catheter embolization for intractable back pain due to metastatic spinal epidural tumor] Takahashi N, et al. **Rinsho Hoshasen** 1984 Jul;29(7):805-7 (Eng. Abstr.) **(Jpn)**

[Anesthesia of the celiac plexus in analgesia in cases of inoperable epigastric tumors] Duraj M, et al. **Wiad Lek** 1985 Feb 15;38(4):286-9 (Eng. Abstr.) **(Pol)**

[Transcutaneous electrostimulation--method leading to a permeation system of electroanalgesia in oncological practice] Dil'din AS, et al. **Vopr Onkol** 1985;31(8):33-6 (Eng. Abstr.) **(Rus)**

[Percutaneous epidural stimulation of the spinal cord in the treatment of chronic pain] Muriel Villoria C, et al. **Rev Esp Anestesiol Reanim** 1985 May-Jun;32(3):119-21 (Eng. Abstr.) **(Spa)**

PAIN, POSTOPERATIVE

CHEMICALLY INDUCED

The incidence and importance of post-suxamethonium pain in Barbadian patients. Moseley HS, et al. **West Indian Med J** 1985 Mar;34(1):18-23

DRUG THERAPY

Studies on the peripheral action of opioids in postoperative pain in man. Bullingham RE, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:285-90

Naloxone and pentazocine given after morphine. Cardan E, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:265-70

Comparative evaluation of ciramadol (WY-15.705), morphine and placebo for treatment of postoperative pain. Van den Abeele G, et al. **Acta Anaesthesiol Belg** 1985 Jun;36(2):97-110

Intravenous sedation for the intubated and spontaneously breathing patient in the intensive care unit. Bird TM, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):640-3

Effect of postoperative extradural morphine on lower urinary tract function. Husted S, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):183-5

Respiratory depression after epidural morphine in the postoperative period. Influence of posture. Molke Jensen F, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):600-2

Sublingual buprenorphine for premedication and postoperative pain relief in orthopaedic surgery. Risbo A, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):180-2

Comparison of intramuscular analgesia, intercostal block, epidural morphine and on-demand-i.v.-fentanyl in the control of pain after upper abdominal surgery. Rosenberg PH, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):603-7

Epidural morphine for postoperative pain: experience with 1085 patients. Stenseth R, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):148-56

Diclofenac for pain after hip surgery. Lindgren U, et al. **Acta Orthop Scand** 1985 Feb;56(1):28-31

A comparison of morphine and buprenorphine for analgesia after abdominal surgery. Bradley JP. **Anaesth Intensive Care** 1984 Nov;12(4):303-10

Self-administered nalbuphine, morphine and pethidine. Comparison, by intravenous route, following cholecystectomy. Bahar M, et al. **Anaesthesia** 1985 Jun;40(6):529-32

Sustained-release morphine for postoperative analgesia [letter] Coniam SW. **Anaesthesia** 1985 Jul;40(7):700-1

Epidural sufentanil for postoperative pain relief. Donadoni R, et al. **Anaesthesia** 1985 Jul;40(7):634-8

Parenteral aspirin for pain relief in day-case dental anaesthesia. A randomised double blind placebo controlled trial. Foster JM, et al. **Anaesthesia** 1985 Jun;40(6):576-8

Postoperative analgesia: a technique using continuous intravenous infusion of buprenorphine. Fry EN. **Anaesthesia** 1984 Nov;39(11):1134-5

Subcutaneous morphine for postoperative pain [letter] Goudie TA, et al. **Anaesthesia** 1985 Mar;40(3):305-6

Intra-articular bupivacaine for pain relief in arthroscopic surgery [letter] Hughes DG. **Anaesthesia** 1985 Aug;40(8):821

Epidural meptazinol for pain relief after lower abdominal surgery. Rao U, et al. **Anaesthesia** 1985 Aug;40(8):754-8

Suprofen compared to dextropropoxyphene hydrochloride and paracetamol (Cosalgesic) after extraction of wisdom teeth under general anaesthesia. Rosen M, et al. **Anaesthesia** 1985 Jul;40(7):639-41

Postoperative pain relief with naloxone. Severe respiratory depression and pain after high dose buprenorphine. Schmidt JF, et al. **Anaesthesia** 1985 Jun;40(6):583-6

Inhibition of postoperative pain by continuous low-dose intravenous infusion of lidocaine. Cassuto J, et al. **Anesth Analg** 1985 Oct;64(10):971-4

Epidural morphine: a clinical double-blind study of dosage. Lanz E, et al. **Anesth Analg** 1985 Aug;64(8):786-91

Continuous-plus-on-demand epidural infusion of morphine for postoperative pain relief by means of a small, externally worn infusion device. Chrubasik J, et al. **Anesthesiology** 1985 Mar;62(3):263-7

Segmental effect of lumbar epidural hydromorphone: a case report. Horan CT, et al. **Anesthesiology** 1985 Jan;62(1):84-5

Clinical advantages of fentanyl given epidurally for postoperative analgesia. Lomessy A, et al. **Anesthesiology** 1984 Oct;61(4):466-9

Heel sores in association with prolonged epidural analgesia [letter] Pither CE, et al. **Anesthesiology** 1985 Oct;63(4):459

Postthoracotomy pain and pulmonary function following epidural and systemic morphine. Shulman M, et al. **Anesthesiology** 1984 Nov;61(5):569-75

The pattern of postoperative analgesic administration in non-English speaking Asian women following caesarean section. Carnie JC, et al. **Ann R Coll Surg Engl** 1984 Sep;66(5):365-6

Pain control after surgery: a survey of current practice. Cartwright PD. **Ann R Coll Surg Engl** 1985 Jan;67(1):13-6

When do patients given intrathecal morphine need postoperative systemic opiates? Downing R, et al. **Ann R Coll Surg Engl** 1985 Jul;67(4):251-3

Caudal morphine for pain relief following anal surgery. Farag H, et al. **Ann R Coll Surg Engl** 1985 Jul;67(4):257-8

Prolonged release extradural morphine. Howard EC, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):8-10

Analgesia by wound infiltration after surgical excision of benign breast lumps. Owen H, et al. **Ann R Coll Surg Engl** 1985 Mar;67(2):114-5

Clinically controlled comparative study of suprofen, pentazocine, and placebo. Experience with intramuscular single doses. Bodner E, et al. **Arzneimittelforschung** 1985;35(4):755-9

Nefopam in postoperative pain. Calmi D, et al. **Arzneimittelforschung** 1985;35(6):981-3

Comparison of infusions of morphine and lysine acetyl salicylate for the relief of pain after surgery. Cashman JN, et al. **Br J Anaesth** 1985 Mar;57(3):255-8

Morphine sulphate slow release. Comparison with i.m. morphine for postoperative analgesia. Derbyshire DR, et al. **Br J Anaesth** 1985 Sep;57(9):858-65

Comparison of infusions of morphine and lysine acetyl salicylate for the relief of pain following thoracic surgery. Jones RM, et al. **Br J Anaesth** 1985 Mar;57(3):259-63

Extradural morphine and pain relief following episiotomy. Macdonald R, et al. **Br J Anaesth** 1984 Nov;56(11):1201-5

Zomepirac, dihydrocodeine and placebo compared in postoperative pain after day-case surgery. The relationship between the effects of single and multiple doses. McQuay HJ, et al. **Br J Anaesth** 1985 Apr;57(4):412-9

Fentanyl by constant rate i.v. infusion for postoperative analgesia. Nimmo WS, et al. **Br J Anaesth** 1985 Mar;57(3):250-4

Clinical evaluation of a topical anaesthetic preparation (pramoxine hydrochloride and hydrocortisone) in post-episiotomy pain relief. Hanretty KP, et al. **Br J Clin Pract** 1984 Nov-Dec;38(11-12):421-2

Evaluation of proctofoam as a post-operative analgesic in patients undergoing haemorrhoidectomy. Yadav S, et al. **Br J Clin Pract** 1984 Nov-Dec;38(11-12):414-5

Pain and mobility after inguinal herniorrhaphy: ineffectiveness of subcutaneous bupivacaine. Cameron AE, et al. **Br J Surg** 1985 Jan;72(1):68-9

Relief of pain by infusion of morphine after operation: does tolerance develop? Marshall H, et al. **Br Med J [Clin Res]** 1985 Jul 6;291(6487):19-21

The reversal of epidural morphine induced somnolence with physostigmine. Shulman MS, et al. **Can Anaesth Soc J** 1984 Nov;31(6):678-80

Efficacy of patient-controlled versus conventional analgesia for postoperative pain. Bollish SJ, et al. **Clin Pharm** 1985 Jan-Feb;4(1):48-52

Relationship between plasma morphine concentrations and pharmacologic effects in postoperative patients using patient-controlled analgesia. Graves DA, et al. **Clin Pharm** 1985 Jan-Feb;4(1):41-7

Intramuscular meptazinol and morphine in postoperative pain. Kaiko RF, et al. **Clin Pharmacol Ther** 1985 May;37(5):589-96

Oral ciramadol in the treatment of postoperative pain. Lasagna L, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):176-82

Controlled trial of two nonsteroidal anti-inflammatory drugs in postoperative pain relief: a 12-hour evaluation. Bona L, et al. **Clin Ther** 1985;7(4):474-9

A double-blind comparison of the new ibuprofen-codeine phosphate combination, zomepirac, and placebo in the relief of postepisiotomy pain. Cater M, et al. **Clin Ther** 1985;7(4):442-7

Fentiazac as an oral analgesic for postoperative dental pain. Francisco JV. **Clin Ther** 1984;6(6):787-92

A controlled comparative evaluation of acetaminophen and aspirin in the treatment of postoperative pain. Mehlisch DR, et al. **Clin Ther** 1984;7(1):89-97

Morphine infusion after pediatric cardiac surgery. Lynn AM, et al. **Crit Care Med** 1984 Oct;12(10):863-6

Optimum management of postoperative pain. Bullingham RE. **Drugs** 1985 Apr;29(4):376-86 (11 ref.)

Multiple doses of paracetamol plus codeine taken immediately after oral surgery. Ahlström U, et al. **Eur J Clin Pharmacol** 1985;27(6):693-6

Double-blind comparison of piroxicam and mefenamic acid in the treatment of oral surgical pain. Ohnishi M, et al. **Eur J Rheumatol Inflamm** 1983;6(3):253-8

Factors affecting nurses' decisions to medicate pediatric patients after surgery. Burokas L. **Heart Lung** 1985 Jul;14(4):373-9

Comparative evaluation of subarachnoid morphine & pethidine for post-operative analgesia. Nag S, et al. **Indian J Med Res** 1984 Jun;79:818-23

Postoperative analgesia and respiratory control. Catley DM. **Int Anesthesiol Clin** 1984 Winter;22(4):95-111

Pain perception expressed by postoperative analgetica need in patients with nephropathia interstitialis chronica e phenacetin. Egfjord M, et al. **Int J Addict** 1985 Feb;20(2):363-8

Dezocine for postoperative wound pain. Gravenstein JS. **Int J Clin Pharmacol Ther Toxicol** 1984 Sep;22(9):502-5

Epidural morphine as postoperative analgesic following cesarean section under epidural analgesia. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Jan;23(1):43-4

Voltaren as an analgesic after surgical removal of a lower wisdom tooth. Henrikson PA, et al. **Int J Oral Surg** 1985 Aug;14(4):333-8

Pain control after third molar surgery. Seymour RA, et al. **Int J Oral Surg** 1984 Dec;13(6):457-85 (105 ref.)

Epidural morphine for post-operative analgesia: experience with ten cases. Cahill J, et al. **Ir J Med Sci** 1984 Jul;153(7):247-9

Epidural narcotic analgesia. Hallworth RE Jr. **J Am Osteopath Assoc** 1984 Sep;84(1):47-51

Postoperative intravenous dexamethasone administration: a preliminary investigation. Fenton CF 3d, et al. **J Foot Surg** 1985 Mar-Apr;24(2):142-7

A comparison of buprenorphine and morphine for immediate postoperative pain relief in Thai patients. Pausawasdi S, et al. **J Med Assoc Thai** 1984 May;67(5):284–9

Use of intrathecal morphine for postoperative pain relief following lumbar spine surgery. O'Neill P, et al. **J Neurosurg** 1985 Sep;63(3):413–6

Comparison of the analgesic efficacy of flurbiprofen and aspirin for postsurgical dental pain. Mardirossian G, et al. **J Oral Maxillofac Surg** 1985 Feb;43(2):106–9

Comparison of meclofenamate sodium with buffered aspirin and placebo in the treatment of postsurgical dental pain. Markowitz NR, et al. **J Oral Maxillofac Surg** 1985 Jul; 43(7):517–22

Use of analgesics in postoperative dental pain: a review. Seymour RA. **J R Soc Med** 1984 Nov;77(11):949–54 (34 ref.)

Effect of epidural morphine on urinary catecholamine excretion during postoperative period. Yasuda S, et al. **Keio J Med** 1985 Mar;34(1):25–9

Postoperative analgesia with intravenous infusion of alfentanil [letter] Andrews CJ, et al. **Lancet** 1985 Sep 21; 2(8456):671

Buccal morphine--a new route for analgesia? Bell MD, et al. **Lancet** 1985 Jan 12;1(8420):71–3

Oral fenoprofen compared to intramuscular morphine and oral aspirin in cancer patients with postoperative pain. Kaiko RF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:205–11

Analgesic medication for elderly people post-surgery. Faherty BS, et al. **Nurs Res** 1984 Nov–Dec;33(6):369–72

Bupivacaine: a long-lasting local anesthetic for dentistry. Moore PA. **Oral Surg Oral Med Oral Pathol** 1984 Oct; 58(4):369–74 (60 ref.)

Intracanal use of a corticosteroid solution as an endodontic anodyne. Moskow A, et al. **Oral Surg Oral Med Oral Pathol** 1984 Nov;58(5):600–4

Control of pain with meclofenamate sodium following removal of an impacted molar. Rowe NH, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):446–8

The effect of tryptophan on postoperative endodontic pain. Shpeen SE, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):446–9

Regular interval preventive pain relief compared with on demand treatment after hysterectomy. Jørgensen BC, et al. **Pain** 1985 Feb;21(2):137–42

Variation in postoperative analgesic requirements in the morbidly obese following gastric bypass surgery. Bennett R, et al. **Pharmacotherapy** 1982 Jan–Feb;2(1):50–3

Analgesic effect of fendosal, ibuprofen and aspirin in postoperative oral surgery pain. Forbes JA, et al. **Pharmacotherapy** 1984 Nov–Dec;4(6):385–91

A comparative trial of the analgesic effect of tiaprofenic acid and indomethacin in post-operative pain following spinal surgery in patients with radicular syndrome. van der Aa HE. **Pharmatherapeutica** 1984;4(1):43–7

Postoperative pain. Bullingham RE. **Postgrad Med J** 1984 Dec;60(710):847–51

Analgesics for pain relief after gynaecological surgery. A two-phase study. Bloch B, et al. **S Afr Med J** 1985 Mar 2;67(9):325–9

A comparison of nalbuphine and pethidine for postoperative pain relief after orthopaedic surgery. Brock-Utne JG, et al. **S Afr Med J** 1985 Sep 14;68(6):391–3

Topical pramoxine and hydrocortisone foam versus placebo in relief of post partum episiotomy symptoms and wound healing. Greer IA, et al. **Scott Med J** 1984 Apr;29(2):104–6

Paravertebral marcaine in postoperative lumbar laminectomy pain relief. Rechtine GR. **Spine** 1985 Jan–Feb;10(1):99

A comparison of chi-square partitioning and two logit analyses of ordinal pain data from a pharmaceutical study. Cox C, et al. **Stat Med** 1984 Jul–Sep;3(3):273–85

Pain control: comparison of percutaneous and operative nephrolithotomy. Rittenberg MH, et al. **Urology** 1985 May; 25(5):468–71

[Sublingual buprenorphine (Temgesic) for the management of postoperative pain. A comparative study of intramuscular pethidine and buprenorphine] Crawford ME, et al. **Ugeskr Laeger** 1985 Jun 3;147(23):1842–5 (Eng. Abstr.) **(Dan)**

[Postoperative intestinal atony. A randomized study of the effect of morphine and pethidine] Olesen KL, et al. **Ugeskr Laeger** 1985 Mar 11;147(11):955–6 (Eng. Abstr.) **(Dan)**

[Value of morphine peridural analgesia after esophagectomy for cancer. Apropos of 37 cases] Petit J, et al. **Ann Chir** 1985 Apr;39(3):203–9 (Eng. Abstr.) **(Fre)**

[Postoperative analgesic effect of pethidine injected epidurally] Latarjet J, et al. **Ann Fr Anesth Reanim** 1985; 4(1):27–9 (Eng. Abstr.) **(Fre)**

[Postoperative epidural analgesia with pethidine in digestive surgery (letter)] Meunier J. **Ann Fr Anesth Reanim** 1984; 3(6):469–70 **(Fre)**

[Postoperative analgesia by the continuous peridural administration of ketamine (letter)] Saissy JM. **Ann Fr Anesth Reanim** 1985;4(4):390–1 **(Fre)**

[Effectiveness of high-bioavailability glafenine tablets in stomatology. Double-blind comparison with standard glaphenine in post-apicoectomy pain (wisdom teeth included)] Mayer R. **Bull Group Int Rech Sci Stomatol Odontol** 1984 Jul; 27(3):199–205 **(Fre)**

[Postoperative epidural analgesia in children] Cognard J, et al. **Cah Anesthesiol** 1984 Nov;32(7):551–3 **(Fre)**

[Autoregulation of postoperative analgesia] Lehmann KA. **Cah Anesthesiol** 1985 Mar;33(2):119–23 **(Fre)**

[Peridural postoperative morphine analgesia in children] Mathiot JL, et al. **Cah Anesthesiol** 1984 Dec;32(8):675–6 **(Fre)**

[Postoperative intravenous morphine analgesia. Use of a computer-controlled automatic syringe] Sansoy N, et al. **Cah Anesthesiol** 1982 Nov;30(7):867–72 **(Fre)**

[Factors affecting analgesia. Self administration of analgesics] Tamsen A. **Cah Anesthesiol** 1985 Mar;33(2):115–8 **(Fre)**

[Postoperative knee joint mobilization in catheter peridural anesthesia following arthrolyses of the knee joint] Ulrich C, et al. **Aktuel Traumatol** 1985 Apr;15(2):47–51 (Eng. Abstr.) **(Ger)**

[Analgesia and adverse effects of nalbuphine (Nubain) in comparison with morphine following hysterectomy] Alon E, et al. **Anaesthesist** 1984 Aug;33(8):360–2 (Eng. Abstr.) **(Ger)**

[Modification of circulatory behavior by the administration of buprenorphine in the postoperative phase] Albrecht M, et al. **Anasth Intensivther Notfallmed** 1985 Apr;20(2):65–8 (Eng. Abstr.) **(Ger)**

[No loss of analgesic effect by peridural low volume morphine administration] Chrubasik J, et al. **Anasth Intensivther Notfallmed** 1985 Feb;20(1):19–21 (Eng. Abstr.) **(Ger)**

[Morphine concentrations in serum in need-controlled peridural morphine infusion] Chrubasik J, et al. **Anasth Intensivther Notfallmed** 1984 Oct;19(5):231–4 (Eng. Abstr.) **(Ger)**

[Thoracic peridural anesthesia for intra- and postoperative analgesia in lung resections. A comparison of stress reactions and postoperative lung function] Hennek K, et al. **Reg Anaesth** 1984 Oct;7(4):115–24 (Eng. Abstr.) **(Ger)**

[Morphine metabolism in critical patients with need-directed peridural morphine infusion for the management of postoperative pain] Chrubasik J, et al. **Schweiz Med Wochenschr** 1985 Feb 9;115(6):197–202 (Eng. Abstr.) **(Ger)**

[Intrathecal morphine administration in pain therapy following extensive gynecologic operations. Clinical study] Attig G, et al. **Zentralbl Gynakol** 1985;107(12):738–43 (Eng. Abstr.) **(Ger)**

[Controlled clinical study of treatment of postoperative orthopedic patients] Patella V, et al. **Boll Chim Farm** 1984 Oct;123(10):71S–76S (Eng. Abstr.) **(Ita)**

[Lephetamine in the treatment of postoperative pain] Binda GA, et al. **Clin Ter** 1984 Dec 31;111(6):545–7 (Eng. Abstr.) **(Ita)**

[Treatment of postoperative pain. Double-blind comparison of diclofenac and pentazocine] Bossi L, et al. **Minerva Anestesiol** 1984 Jul–Aug;50(7–8):373–8 (Eng. Abstr.) **(Ita)**

[Buprenorphine in postoperative pain. Comparison of intravenous and sublingual administration] Piva L, et al. **Minerva Anestesiol** 1984 Jul–Aug;50(7–8):367–71 (Eng. Abstr.) **(Ita)**

[Buprenorphine vs pentazocine in treating postoperative pain in gynecological surgery] Romano E, et al. **Minerva Anestesiol** 1984 Nov;50(11):577–80 (Eng. Abstr.) **(Ita)**

[Single-blind comparative study of lysine acetylsalicylate, indoprofen and sodium diclofenac in post-operative pain] Stobbia GF, et al. **Minerva Anestesiol** 1984 May;50(5):213–7 (Eng. Abstr.) **(Ita)**

[Diflunisal and acetylsalicylic acid: a double-blind study of their effect on postextraction pain] Perotti R. **Minerva Stomatol** 1984 Jul–Aug;33(4):645–50 (Eng. Abstr.) **(Ita)**

[Early postoperative treatment of pain with buprenorphine] Gundersen Y, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10; 104(25):1717–20 (Eng. Abstr.) **(Nor)**

[Calcitonin--possibilities of its use in the treatment of pain] Miarka J, et al. **Wiad Lek** 1984 Sep 15;37(18):1426–9 (29 ref.) **(Pol)**

[Preliminary trial of peridural morphine in the relief of postoperative pain] dos Santos Pereira J, et al. **Acta Med Port** 1984 Nov–Dec;5(11–12):315–9 (Eng. Abstr.) **(Por)**

[Butorphanol. A new synthetic analgesic] Skaredoff MN, et al. **Rev Esp Anestesiol Reanim** 1984 Sep–Oct;31(5):192–6 (Eng. Abstr.) **(Spa)**

[Morphine and meperidine. Comparative analysis of their use in epidural analgesia] Zafrani V, et al. **Rev Med Panama** 1985 May;10(2):132–7 (Eng. Abstr.) **(Spa)**

[Intrathecal morphine as a postsurgical analgesic. 4 cases] Zafrani V. **Rev Med Panama** 1985 Jan;10(1):56–9 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Persistent chest pain one year after cardiac surgery. DuBois BV, et al. **Arch Intern Med** 1985 May;145(5):895–6

Hemorrhoidal banding. A warning. Russell TR, et al. **Dis Colon Rectum** 1985 May;28(5):291–3

Nausea, vomiting, and abdominal pain after Roux-en-Y anastomosis: motility of the jejunal limb. Mathias JR, et al. **Gastroenterology** 1985 Jan;88(1 Pt 1):101–7

Sequel to a cervical disk. Morse RH. **J La State Med Soc** 1984 Nov;136(11):14–6

A late post-vasectomy syndrome. Selikowitz SM, et al. **J Urol** 1985 Sep;134(3):494–7

Painful bullous keratopathy following pediatric cataract surgery with intraocular lens implantation. Rozenman Y, et al. **Ophthalmic Surg** 1985 Jun;16(6):372–4

Pain following surgery of the skull base. Sataloff RT, et al. **Otolaryngol Clin North Am** 1984 Aug;17(3):613–25

Angiographic demonstration of mesenteric arterial changes in postcoarctectomy syndrome. Kawauchi M, et al. **Surgery** 1985 Sep;98(3):602–4

[Causes of pain and complications in patients with spondylolisthesis treated by intervertebral stabilization of one segment] Zuk T. **Chir Narzadow Ruchu Ortop Pol** 1984; 49(4):383–7 (Eng. Abstr.) **(Pol)**

METABOLISM

Effect of postoperative extradural morphine on ADH secretion. Korinek AM, et al. **Br J Anaesth** 1985 Apr; 57(4):407–11

Analgesia and the metabolic response to surgery [editorial] **Lancet** 1985 May 4;1(8436):1018–9

PHYSIOPATHOLOGY

Lancinating pain in post-laminectomy chronic sciatica. Baruah JK. **Acta Neurochir (Wien)** 1985;76(3–4):129–30

Prostaglandins mediate postoperative pain in Falope ring sterilization. Brodie BL, et al. **Am J Obstet Gynecol** 1985 Jan 15;151(2):175–7

Painless endophthalmitis after cataract surgery. Deutsch TA, et al. **Ophthalmic Surg** 1984 Oct;15(10):837–40

A comparison of healing and pain following excision of inflammatory papillary hyperplasia with electrosurgery and blade-loop knives in human patients. Rathofer SA, et al. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):130–5

Does preamputation pain influence phantom limb pain in cancer patients? Wall R, et al. **South Med J** 1985 Jan; 78(1):34–6

[Electromyography and electroneurography in the follow-up study of carpal tunnel syndrome patients] Schoenhuber R, et al. **Neurochirurgia (Stuttg)** 1984 Sep;27(5):144–5 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

The duration of pain relief after penile block to boys undergoing circumcision. Carlsson P, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):432–4

Respiratory performance after upper abdominal surgery. A comparison of pain relief with intercostal blocks and centrally acting analgesics. Engberg G. **Acta Anaesthesiol Scand** 1985 May;29(4):427–33

Factors influencing the respiratory capacity after upper abdominal surgery. Engberg G. **Acta Anaesthesiol Scand** 1985 May;29(4):434–45

Diazepam does not prevent succinylcholine-induced fasciculations and myalgia. A comparative evaluation of the effect of diazepam and d-tubocurarine pretreatments. Manchikanti L. **Acta Anaesthesiol Scand** 1984 Oct; 28(5):523–8

Caudal or dorsal nerve block? A comparison of two local anaesthetic techniques for postoperative analgesia following day case circumcision. Vater M, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):175–9

The use of transcutaneous neural stimulation and isokinetic testing in arthroscopic knee surgery. Jensen JE, et al. **Am J Sports Med** 1985 Jan–Feb;13(1):27–33

A comparative study of techniques of postoperative analgesia following caesarean section and lower abdominal surgery. Brownridge P, et al. **Anaesth Intensive Care** 1985 May; 13(2):123–30

Adverse effects of suxamethonium. Failure of prevention by atracurium or fazadinium. Budd A, et al. **Anaesthesia** 1985 Jul;40(7):642–6

Failure of magnesium sulphate to prevent suxamethonium induced muscle pains. Chestnutt WN, et al. **Anaesthesia** 1985 May;40(5):488–90

The need for analgesic cover after ENT surgery--comparison of nefopam and papaveretum. Hannington-Kiff JG. **Anaesthesia** 1985 Jan;40(1):76–8

Effect of premedication with controlled-release oral morphine on postoperative pain. A comparison with intramuscular morphine. Slowey HF, et al. **Anaesthesia** 1985 May;40(5):438–40

Atracurium pretreatment for succinylcholine-induced fasciculations and postoperative myalgia. Manchikanti L, et al. **Anesth Analg** 1985 Oct;64(10):1010–4

The efficacy of diclofenac sodium (Voltarol) with and without paracetamol in the control of post-surgical dental pain. Matthews RW, et al. **Br Dent J** 1984 Nov 24; 157(10):357–9

Epidural morphine prophylaxis of postoperative pain: report of a double-blind multicentre study. Writer WD, et al. **Can Anaesth Soc J** 1985 Jul;32(4):330–8

Sitting position to reduce postoperative shoulder pain associated with intraperitoneal dextran. Fanning J, et al. **Fertil Steril** 1985 Jul;44(1):136–7

The effects of nonsteroidal anti-inflammatory analgesics on pain after periodontal surgery. Vogel RI, et al. **J Am Dent Assoc** 1984 Nov;109(5):731–4

Controlling acute pain in dentistry. Part I. Zambito RF. **NY State Dent J** 1984 Aug–Sep;50(7):420–1

Towards painless orthopaedic surgery. Barron DW. **Ulster Med J** 1984;53(2):146–9

[The influence of the volume of the solution on the effects of epidural morphine] Husegaard HC, et al. **Ugeskr Laeger** 1985 Mar 4;147(10):873-6 (Eng. Abstr.) **(Dan)**

[Peroperative cryolysis of the intercostal nerves in thoracotomies] Schrøder M, et al. **Ugeskr Laeger** 1984 Apr 30;146(18):1358-9 (Eng. Abstr.) **(Dan)**

[Per- and postoperative buprenorphine analgesia: cardiocirculatory and respiratory effects] Rifat K, et al. **Cah Anesthesiol** 1984 Jan-Feb;32(1):33-6 (Eng. Abstr.) **(Fre)**

[Clinico-experimental studies on the prevention of a long-term pain syndrome following maxillary sinus operations] Schüle H. **Fortschr Kiefer Gesichtschir** 1985; 30:183-5 **(Ger)**

[Catheter brachial plexus anesthesia for intra- and postoperative pain control. Plasma concentrations and analgesia interval in the use of bupivacaine] Biscoping J, et al. **Reg Anaesth** 1985 Jul;8(3):54-6 (Eng. Abstr.) **(Ger)**

[0.5 mg intrathecal morphine in spinal anesthesia. A double blind study on sensory block, postoperative analgesia and adverse effects] Lanz E, et al. **Reg Anaesth** 1984 Jul; 7(3):79-85 (Eng. Abstr.) **(Ger)**

[Immediate and late results of cryo-block of the intercostal nerves and treatment of postoperative pain in thoracic surgery] Fagiano G, et al. **Minerva Anestesiol** 1985 Jan-Feb;51(1-2):39-43 (Eng. Abstr.) **(Ita)**

[Comparative study of buprenorphine and morphine for pain control in the immediate postoperative period by peridural administration] Sciandra G, et al. **Minerva Anestesiol** 1984 Dec;50(12):607-14 (Eng. Abstr.) **(Ita)**

[Epidural administration of morphine-droperidol mixture for postoperative analgesia] Ochi G, et al. **Masui** 1985 Mar; 34(3):330-4 (Eng. Abstr.) **(Jpn)**

[Analgesic effect of 0.25% marcaine in intercostal nerve block after cholecystectomy] Chmielnicki Z, et al. **Wiad Lek** 1984 Jul 1;37(13):985-9 (Eng. Abstr.) **(Pol)**

[Use of polyglucin to increase the effect of anesthesia during combined electroanesthesia] Maslakov DA, et al. **Anesteziol Reanimatol** 1984 Jul-Aug;(4):43-6 (Eng. Abstr.) **(Rus)**

[Method of individual postoperative anesthesia during reconstructive surgery of the hand] Sinitsyn LN, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):72-3 (Eng. Abstr.) **(Rus)**

[Use of needle reflexotherapy as a component of combined anesthesia in thyrotoxicosis] Vasil'kov VG, et al. **Anesteziol Reanimatol** 1984 Jul-Aug;(4):48-50 (Eng. Abstr.) **(Rus)**

SURGERY

[Treatment and prevention of neuralgiform pains following facial fenestration of the maxillary sinus] Herzog M, et al. **Fortschr Kiefer Gesichtschir** 1985;30:186-8 **(Ger)**

[Treatment of chronic pain conditions as operative sequelae] Müller T, et al. **Fortschr Kiefer Gesichtschir** 1985;30:188-90 **(Ger)**

THERAPY

Transcutaneous nerve stimulation for the treatment of postoperative pain. Lagas HM, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:253-7

Painful scars after thoracic and abdominal surgery. Carlsson CA, et al. **Acta Chir Scand** 1985;151(4):309-11

Evaluation of the transcutaneous electrical nerve stimulator for postoperative analgesia following cardiac surgery. Navarathnam RG, et al. **Anaesth Intensive Care** 1984 Nov; 12(4):345-50

Analgesia following femoral neck surgery. Lateral cutaneous nerve block as an alternative to narcotics in the elderly. Jones SF, et al. **Anaesthesia** 1985 Jul;40(7):682-5

Sciatic nerve block for children. Sciatic nerve block by the anterior approach for postoperative pain relief. McNicol LR. **Anaesthesia** 1985 May;40(5):410-4

Postoperative pain relief for circumcision in children: comparison among morphine, nerve block, and topical analgesia. Tree-Trakarn T, et al. **Anesthesiology** 1985 Apr; 62(4):519-22

Postoperative pain relief and regional techniques. Reiz S. **Ann Chir Gynaecol** 1984;73(3):166-70

Transcutaneous electrical stimulation for postoperative pain. Cuschieri RJ, et al. **Ann R Coll Surg Engl** 1985 Mar; 67(2):127-9

The effect of transcutaneous electrical nerve stimulation on pain after thoracotomy. Warfield CA, et al. **Ann Thorac Surg** 1985 May;39(5):462-5

Photogrammetry used to assess post-operative facial swelling in a drug trial. Hay KD, et al. **Br J Oral Maxillofac Surg** 1985 Apr;23(2):103-11

Postoperative pain and pulmonary complications: comparison of three analgesic regimens. Cuschieri RJ, et al. **Br J Surg** 1985 Jun;72(6):495-8

Relief of pain by infusion of morphine after operation [letter] **Br Med J [Clin Res]** 1985 Aug 3;291(6491):345-6

Laparoscopic lysis of adhesions for postappendectomy pain. Kleinhaus S. **Gastrointest Endosc** 1984 Oct;30(5):304-5

Postoperative pain control: review of methods. Berger SA. **Mt Sinai J Med (NY)** 1985 Feb;52(2):142-7 (44 ref.)

Examining the interaction effects of coping style and brief interventions in the treatment of postsurgical pain. Scott LE, et al. **Pain** 1984 Nov;20(3):279-91

The treatment of postoperative pain with the use of semipermanent auricular needles. Mastroianni A. **Panminerva Med** 1985 Jan-Mar;27(1):39-42

Amelioration of phantom-organ pain with hypnosis and behavior modification: brief case report. Baker SR. **Psychol Rep** 1984 Dec;55(3):847-50

A clinical assessment of electroanalgesia following abdominal operations. Galloway DJ, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):453-6

[Reflexotherapy in urology] Henry JC, et al. **Acta Urol Belg** 1984;52(4):617-21 (Eng. Abstr.) **(Fre)**

[Long-term electropharmacological anesthesia (5 cases) in postoperative intensive care] Garnier D, et al. **Agressologie** 1984 Nov;25(11):1237-9 (Eng. Abstr.) **(Fre)**

[Effects of acupuncture electrostimulation on intra- and postoperative analgesia in renal surgery. Preliminary comparative study] Lefevre J, et al. **Agressologie** 1984 Nov; 25(11):1231-6 (Eng. Abstr.) **(Fre)**

[Continuous blockade of the lumbar plexus ('3-in-1 block') in perioperative pain therapy] Postel J, et al. **Reg Anaesth** 1984 Oct;7(4):140-3 (Eng. Abstr.) **(Ger)**

[Postoperative analgesia in children by caudal block] Heinen M, et al. **Minerva Anestesiol** 1984 Sep;50(9):465-7 (Eng. Abstr.) **(Ita)**

[Scheme for short-term analgesic therapy] Mocavero G, et al. **Minerva Anestesiol** 1985 Jan-Feb;51(1-2):35-8 (Eng. Abstr.) **(Ita)**

[Epidural or intravenous buprenorphine for postoperative pain relief] Matsunaga M, et al. **Masui** 1984 Sep; 33(9):995-1002 (Eng. Abstr.) **(Jpn)**

[Cryoanalgesia for postthoracotomy pain] Seino H, et al. **Masui** 1985 Jun;34(6):842-5 (Eng. Abstr.) **(Jpn)**

[Paravertebral trimecaine analgesia combined with galvanization as a method of anesthesia after lung surgery] Lavrent'ev IuA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):32-5 (Eng. Abstr.) **(Rus)**

[Transcutaneous electrostimulation--method leading to a permeation system of electroanalgesia in oncological practice] Dil'din AS, et al. **Vopr Onkol** 1985;31(8):33-6 (Eng. Abstr.) **(Rus)**

[Intercostal cryolysis. Relief of post-thoracotomy pain] Aliaga Font L, et al. **Rev Esp Anestesiol Reanim** 1985 Jan-Feb;32(1):6-12 (Eng. Abstr.) **(Spa)**

URINE

Effects of the extradural administration of local anaesthetic agents and morphine on the urinary excretion of cortisol, catecholamines and nitrogen following abdominal surgery. Hjortsø NC, et al. **Br J Anaesth** 1985 Apr;57(4):400-6

PAIN RECEPTORS see **NOCICEPTORS**

PAINT

Solvent vapor exposures in booth spray painting and spray glueing, and associated operations. Whitehead LW, et al. **Am Ind Hyg Assoc J** 1984 Nov;45(11):767-72

Neurobehavioral changes among shipyard painters exposed to solvents. Valciukas JA, et al. **Arch Environ Health** 1985 Jan-Feb;40(1):47-52

Base-varnish interactions around amalgam restorations: spectrophotometric and microscopic assessment of leakage. Silva M, et al. **Aust Dent J** 1985 Apr;30(2):89-95

Irritant dermatitis from tri-N-butyl tin oxide in paint. Goh CL. **Contact Dermatitis** 1985 Mar;12(3):161-3

Utility of excretion data for estimation of 147Pm body burdens of dial painters [letter] Dunlap JH. **Health Phys** 1984 Aug;47(2):324-8

The effects of sera from Ra dial painters on the mitogenic responses of normal human lymphocytes. Serio CS, et al. **Health Phys** 1984 Aug;47(2):309-13

Inhalation of ethanol vapour: a case report and experimental test involving the spraying of shellac lacquer. Lewis MJ. **J Forensic Sci Soc** 1985 Jan-Feb;25(1):5-9

Mortality of paint and coatings industry workers. A follow-up study. Morgan RW, et al. **J Occup Med** 1985 May;27(5):377-8

Cavity varnish and cavity liner appearance on enamel and dentin. Tveit AB, et al. **J Prosthet Dent** 1985 Feb; 53(2):199-203

Update: paint, cadmium, and monohalomethanes in the workplace. **MMWR** 1985 Jul 19;34(28):432-4

Biological availability of lead in a paint aerosol. 2. Absorption, distribution and excretion of intratracheally instilled lead paint particles in the rat. Eaton DL, et al. **Toxicol Lett** 1984 Sep;22(3):307-13

[Plastics and painting] Norseth T. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2491-2 **(Nor)**

ADVERSE EFFECTS

Contact allergy to aziridine paint hardener. Cofield BG, et al. **Arch Dermatol** 1985 Mar;121(3):373-6

Neurobehavioural effects of repeated occupational exposure to toluene and paint solvents. Cherry N, et al. **Br J Ind Med** 1985 May;42(5):291-300

Hand injury with paint-gun. Thakore HK. **J Hand Surg [Br]** 1985 Feb;10(1):124-6

A case-control study of lung cancer in painters. Stockwell HG, et al. **J Occup Med** 1985 Feb;27(2):125-6

Submarine painting: a cross-sectional epidemiological investigation into work-related symptoms and lung function. Woodroof GM. **J R Nav Med Serv** 1985 Summer; 71(2):98-100

Lead in paint [letter] Arnot R. **J R Soc Health** 1984 Dec; 104(6):232

A health survey of car painters of different ethnic origin and the importance of racial factors. Chatterjee DS. **J Soc Occup Med** 1984 Aug;34(3):86-9

Differences in the respiratory capacity of workers with long-term exposure to vapors from paints free from or containing organic isocyanates [letter] Beving H, et al. **Scand J Work Environ Health** 1984 Aug;10(4):267-8

[Occupational exposure to styrenes in furniture industry] Bartolucci GB, et al. **Med Lav** 1985 Mar-Apr;76(2):157-68 (Eng. Abstr.) **(Ita)**

[State of the nervous system of workers engaged in painting with bituminous lacquers] Majdecki T, et al. **Med Pr** 1985; 36(1):43-9 (Eng. Abstr.) **(Pol)**

ANALYSIS

Solvent exposure in construction and maintenance painting. Riala R, et al. **Scand J Work Environ Health** 1984 Aug; 10(4):263-6

Biological availability of lead in a paint aerosol. 1. Physical and chemical characterization of a lead paint aerosol. Kalman D, et al. **Toxicol Lett** 1984 Sep;22(3):301-6

TOXICITY

Mutagenicity of coal tar paints used in drinking water distribution systems. Silvano M, et al. **Sci Total Environ** 1984 Nov;39(3):251-63

[Hygienic evaluation of polymer coating PEP-971 used in the water supply] Iakovleva LE, et al. **Gig Sanit** 1984 Jul; (7):74 **(Rus)**

[Toxic properties of synthetic naphthenic and alkylbenzoic acids] Uzhdavini ER, et al. **Gig Tr Prof Zabol** 1984 Sep; (9):48-9 **(Rus)**

PAINTINGS see under **ART**

PAIR BOND see under **SEX BEHAVIOR, ANIMAL**

PAIRED-ASSOCIATE LEARNING

Construction of matched verbal and design continuous paired associate tests. Newton NA, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):97-110

Associative response bias and severity of thought disorder in schizophrenia and mania. Sengel RA, et al. **J Clin Psychol** 1984 Jul;40(4):889-92

Paired-associate learning and priming effects in amnesia: a neuropsychological study. Shimamura AP, et al. **J Exp Psychol [Gen]** 1984 Dec;113(4):556-70

A test of the differences between anticipation and study-test methods of paired-associate learning. Izawa C. **J Exp Psychol [Learn Mem Cogn]** 1985 Jan;11(1):165-84

DRUG EFFECTS

Alcohol-influenced changes in activation peaking during paired-associate verbal learning. Schandler SL, et al. **J Stud Alcohol** 1984 Nov;45(6):493-9

Marijuana effects on semantic memory: verification of common and uncommon category members. Block RI, et al. **Psychol Rep** 1984 Oct;55(2):503-12

PALATAL EXPANSION TECHNIC

Conservative surgical palatal expansion [letter] Cheek JA. **Am J Orthod** 1985 Mar;87(3):257

Tomographic assessment of nasal septal changes following surgical-orthodontic rapid maxillary expansion. Schwarz GM, et al. **Am J Orthod** 1985 Jan;87(1):39-45

Maxillary skeletal and dental change with Fränkel appliance therapy--an implant study. Brieden CM, et al. **Angle Orthod** 1984 Jul;54(3):226-32

Exploitation of the residual premaxillary-maxillary suture site in maxillary protraction. An hypothesis. Haskell BS, et al. **Angle Orthod** 1985 Apr;55(2):108-19

Maxillary expansion: a surgical technique based on surgical-orthodontic treatment objectives and anatomical considerations. Turvey TA. **J Maxillofac Surg** 1985 Apr; 13(2):51-8

Surgically assisted rapid maxillary expansion by opening the midpalatal suture. Kraut RA. **J Oral Maxillofac Surg** 1984 Oct;42(10):651-5

[Tissue response of the interparietal suture to tensile stimulus in vitro--light and electron microscopic observations] Inage S. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):143-61 (Eng. Abstr.) **(Jpn)**

[Tissue reaction of interparietal suture to mechanical stimulation] Tsuchiya T. **Kokubyo Gakkai Zasshi** 1985 Mar; 52(1):164 **(Jpn)**

INSTRUMENTATION

Treatment of unilateral posterior crossbite with quad-helix and removable plates. A retrospective study. Hermanson H, et al. **Eur J Orthod** 1985 May;7(2):97-102

PALATAL MUSCLES see under **MUSCLES**

NEWARK PUBLIC LIBRARY

PALATAL NEOPLASMS

Metastatic tumors of the small intestine: case report and review of literature. Routh A, et al. **J Miss State Med Assoc** 1984 Sep;25(9):235-6

Tumor-to-tumor metastasis: malignant melanoma metastatic to parathyroid adenoma. Inoshita T, et al. **Milit Med** 1985 Jun;150(6):323-5

Kaposi's sarcoma of the oral cavity. A case report. Winters Z, et al. **S Afr Med J** 1985 Aug 31;68(5):330-1

DIAGNOSIS

Mycosis fungoides: initial diagnosis via palatal biopsy with discussion of diagnostic advantages of plastic embedding. Damm DD, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):413-9

Follicular lymphoid hyperplasia of the hard palate simulating lymphoma. Harsany DL, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):349-56

IMMUNOLOGY

Quantitative analysis of immunocompetent cells in human normal oral and uterine cervical mucosa, oral papillomas and leukoplakias. Becker J, et al. **Arch Oral Biol** 1985; 30(3):257-64

PATHOLOGY

Hyaline-cell pleomorphic adenoma. Diagnosis by fine needle aspiration biopsy. Schultenover SJ, et al. **Acta Cytol (Baltimore)** 1984 Sep-Oct;28(5):593-7

Kaposi's sarcoma of the soft and hard palates. Frigy AF. **Arch Otolaryngol** 1984 Nov;110(11):766-9

Granulocytic sarcoma of the hard palate: report of the first case. Castella A, et al. **Hum Pathol** 1984 Dec;15(12):1190-2

Sialadenoma papilliferum. A case report and review of the literature. Rennie JS, et al. **Int J Oral Surg** 1984 Oct; 13(5):452-4

Glycogen-rich adenocarcinoma of a minor salivary gland. Lattanzi DA, et al. **J Oral Maxillofac Surg** 1985 Feb; 43(2):122-4

Periosteal ossifying fibroma of the palate. Saito I, et al. **J Periodontol** 1984 Dec;55(12):704-7

Myoepithelioma of the head and neck: case report and review. Barnes L, et al. **J Surg Oncol** 1985 Jan;28(1):21-8

An unusually large pleomorphic adenoma of the soft palate. Lazow SK, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):386

Nevus of Ota with associated palatal involvement. Page DG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Mar;59(3):282-4

Sialadenoma papilliferum. Chan KW, et al. **Pathology** 1985 Jan;17(1):119-22

Establishment of an epithelial cell line originating from leg skin of a patient with palatine carcinoma. Wu YQ, et al. **Sci Sin [B]** 1985 Mar;28(3):289-95

[Rare malignant lymphoma—an analysis of 40 cases] Wu BL. **Chung Hua Chung Liu Tsa Chih** 1985 May;7(3):211-3 (Eng. Abstr.) **(Chi)**

[Sialadenoma papilliferum] Makek MS, et al. **Schweiz Monatsschr Zahnmed** 1985 Jun;95(6):477-81 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Hypercalcemic bone metastases of malignant melanoma] Garcier F, et al. **Ann Dermatol Venereol** 1984; 111(6-7):589-92 **(Fre)**

RADIOGRAPHY

Computerized tomography of combined carcinomas arising in pleomorphic adenoma. Farman AG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):96-101

[The Bonnet-Blanc-Dechaume syndrome. Apropos of a case associating retino-encephalic cirsoid aneurysm and nasopalatine angioma] Romanet JP, et al. **Bull Soc Ophtalmol Fr** 1984 Feb;84(2):195-8, 201-3 **(Fre)**

RADIOTHERAPY

Oral carcinoma of the upper jaw. Results of radiation treatment. Shibuya H, et al. **Acta Radiol [Oncol]** 1984; 23(5):331-5

The treatment of cancer of the uvula and soft palate with interstitial radioactive wire implants. Sealy R, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1951-5

[Clinical observation of 14 cases of velar epitheliomas in the radiotherapy department, 1965-1981] Hung VV. **Rev Med Liege** 1984 Nov 15;39(22):788-96 **(Fre)**

SURGERY

Epignathus: a report of two cases. Pavlin JE, et al. **Ann Plast Surg** 1984 Nov;13(5):452-6

The 'pedicle flap': a technique for complete excision of benign salivary gland tumors of the palate. Sacks HG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):572-4

Palliative cryosurgery for oral cavity malignant melanoma: a case report. Delbello A, et al. **Tumori** 1985 Feb 28; 71(1):89-90

[Further experiences with the infrahyoid myocutaneous flap in reconstruction after radical surgery of cheek and palate cancer] Wang HS. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Mar;20(2):100-2, 127-8 (Eng. Abstr.) **(Chi)**

[Use of the tubular flap in reconstruction of palatal defects] Brkić E. **Chir Maxillofac Plast** 1984;14(2-3):75-87 (Eng. Abstr.) **(Ser)**

ULTRASTRUCTURE

Russell body-like inclusions in oral B-lymphomas. Kurihara K, et al. **J Oral Pathol** 1984 Dec;13(6):640-9

VETERINARY

Starvation secondary to an oral fibroma in a wild mountain goat (Oreamnos americanus). Foreyt WJ, et al. **J Wildl Dis** 1985 Apr;21(2):184-5

PALATAL OBTURATORS

Early maxillary orthopedics for the newborn cleft lip and palate patient. An impression and an appliance. Jacobson BN, et al. **Angle Orthod** 1984 Jul;54(3):247-63

Clinical and laboratory procedures for the production of a retentive silicone rubber obturator for the maxillectomy patient. Davenport JC. **Br J Oral Maxillofac Surg** 1984 Oct;22(5):378-86

Fabrication of a hollow obturator with fluid resin. Browning JD, et al. **J Prosthet Dent** 1984 Dec;52(6):891-5

Obturation of congenital or acquired intraoral anatomic defects. Coffey KW. **J Prosthet Dent** 1984 Oct;52(4):559-60

Quick technique for construction of a surgical obturator. Disantis WS. **J Prosthet Dent** 1985 Jan;53(1):128-9

Early prosthetic management of cleft palate. Articulation development prosthesis: a preliminary report. Dorf DS, et al. **J Prosthet Dent** 1985 Feb;53(2):222-6

Modification of surgical obturators to interim prostheses. Jacob RF, et al. **J Prosthet Dent** 1985 Jul;54(1):93-5

An interim obturator prosthesis with duplicated teeth and palate. Kouyoumdjian JH, et al. **J Prosthet Dent** 1984 Oct; 52(4):560-2

Fabrication of the hollow bulb obturator. Palmer B, et al. **J Prosthet Dent** 1985 Apr;53(4):595-6

Hollow obturator with removable lid. Phankosol P, et al. **J Prosthet Dent** 1985 Jul;54(1):98-100

An alternative method to conventional palatal fistula obturation. Saunders TR. **J Prosthet Dent** 1984 Nov; 52(5):762

Alternative obturation for the maxillectomy patient with severely limited mandibular opening. Taylor TD, et al. **J Prosthet Dent** 1985 Jan;53(1):83-5

Assessing effective obturation. Watson RM, et al. **J Prosthet Dent** 1985 Jul;54(1):88-93

[Prosthetic appliances for adults with unilateral and bilateral labiopalatine clefts] Putz M, et al. **Rev Belge Med Dent** 1984 Aug-Sep;39(4):134-41 (Eng. Abstr.) **(Fre)**

[Studies following implantation of hydroxyapatite ceramics in artificial cleft palate in the rat] Reuters U, et al. **Fortschr Kiefer Gesichtschir** 1985;30:190-2 **(Ger)**

[Prosthetic rehabilitation of patients with cleft palate] Danziger G, et al. **Fogorv Sz** 1985 Apr;78(4):114-6 (Eng. Abstr.) **(Hun)**

METHODS

Interim obturation of palatal perforations. Moergeli JR, et al. **J Prosthet Dent** 1985 May;53(5):680-1

[Use of the Lafol cupped plate in the repair of cleft lip and palate in newborn infants] Németh A, et al. **Fogorv Sz** 1984 Sep;77(9):276-8 **(Hun)**

PALATE

Torus palatinus. A clinical study. Chew CL, et al. **Aust Dent J** 1984 Aug;29(4):245-8

Impaction of a foreign body in the palate [letter] Glenville BE, et al. **Br Med J [Clin Res]** 1984 Nov 17;289(6455):1381

Impaction of a foreign body in the palate. Raine PA, et al. **Br Med J [Clin Res]** 1984 Oct 6;289(6449):879-80

An alternative method to conventional palatal fistula obturation. Saunders TR. **J Prosthet Dent** 1984 Nov; 52(5):762

ABNORMALITIES

Patent nasopalatine ducts. Blackburn CW. **Br Dent J** 1984 Dec 8;157(11):401-2

Palatal anteversion as part of the iniencephaly malformation sequence. Wilson WG, et al. **J Craniofac Genet Dev Biol** 1985;5(1):5-10

Epithelial changes of the nasal columella of the palatal slit and cleft palate defects in C57BL/6 mouse fetuses. Kusanagi T. **Teratology** 1985 Feb;31(1):111-7

[Rhinomanometric and cephalometric study on the coexistence of malformations of the palate and nasal septum] Busca GP, et al. **Acta Otorhinolaryngol Ital** 1984 Jul-Aug;4(4):435-43 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Orthodontic movement of maxillary incisors through the midpalatal suture area—an experimental study in dogs. Follin M, et al. **Eur J Orthod** 1984 Nov;6(4):237-46

Methods taught in dental schools for determining the posterior palatal seal region. Chen MS, et al. **J Prosthet Dent** 1985 Mar;53(3):380-3

Reproduction of the rugae on the maxillary denture palate. Garfunkel E. **J Prosthet Dent** 1985 May;53(5):747

Palatal shape and the flexural strength of maxillary denture bases. Morris JC, et al. **J Prosthet Dent** 1985 May; 53(5):670-3

[Comparative anatomical studies of the vomeronasal complex and the rostral palate of various mammals. I] Wöhrmann-Repenning A. **Gegenbaurs Morphol Jahrb** 1984;130(4):501-30 (Eng. Abstr.) **(Ger)**

[Comparative anatomic studies of the vomeronasal complex and the rostral palate of various mammals] Wöhrmann-Repenning A. **Gegenbaurs Morphol Jahrb** 1984;130(5):609-37 (Eng. Abstr.) **(Ger)**

[Isometric method of analyzing the shape of the hard palate in children during the period of permanent occlusion development] Kostilenko IuP, et al. **Arkh Anat Gistol Embriol** 1984 Aug;87(8):82-5 **(Rus)**

[Symmetrographic analysis of the hard palate in orthognathic bite, narrowed dental arches and open bite] Zhulev EN. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):49-51 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Arteriovenous malformations and vascular anatomy of the upper lip and soft palate. Hassard AD, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):829-32

DRUG EFFECTS

Epidermal growth factor stimulates type-V collagen synthesis in cultured murine palatal shelves. Silver MH, et al. **Differentiation** 1984;27(3):205-8

The role of serotonin in mucociliary transport system in the ciliated epithelium of frog palatine mucosa. Maruyama I, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):499-506

Influence of surfactant on mucociliary transport. Allegra L, et al. **Eur J Respir Dis [Suppl]** 1985;142:71-6

Folate deficiency and in vitro palatogenesis II: Effects of methotrexate on rabbit palate fusion, folate pools, and dihydrofolate reductase activity. DePaola DP, et al. **J Craniofac Genet Dev Biol** 1984;4(4):321-7

EMBRYOLOGY

Effect of epidermal growth factor on synthesis of prostaglandins and cyclic AMP by embryonic palate mesenchymal cells. Greene RM, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1037-43

Phospholipase A activities in embryonic palate mesenchyme cells in vitro. George M, et al. **Biochim Biophys Acta** 1985 Aug 22;836(1):45-55

Palate development: normal and abnormal cellular and molecular aspects. **Curr Top Dev Biol** 1984;19:1-243

The role of extracellular matrices in palatal shelf closure. Brinkley LL, et al. **Curr Top Dev Biol** 1984;19:17-36 (38 ref.)

Epithelial-mesenchymal interactions during vertebrate palatogenesis. Ferguson WJ. **Curr Top Dev Biol** 1984; 19:137-64 (72 ref.)

Role of cyclic AMP, prostaglandins, and catecholamines during normal palate development. Greene RM, et al. **Curr Top Dev Biol** 1984;19:65-79 (67 ref.)

Role of glucocorticoids and epidermal growth factor in normal and abnormal palatal development. Pratt RM, et al. **Curr Top Dev Biol** 1984;19:81-101 (112 ref.)

Morphological, cellular, and biochemical aspects of differentiation of normal and teratogen-treated palate in hamster and chick embryos. Shah RM. **Curr Top Dev Biol** 1984;19:103-35 (123 ref.)

Morphogenesis of a complex organ: vertebrate palate development. Slavkin HC. **Curr Top Dev Biol** 1984;19:1-16 (79 ref.)

Genetics of palate development. Vekemans MJ, et al. **Curr Top Dev Biol** 1984;19:165-92 (62 ref.)

Role of neurotransmitters in palate development. Zimmerman EF, et al. **Curr Top Dev Biol** 1984;19:37-63 (92 ref.)

Influence of epidermal growth factor and cyclic AMP on growth and differentiation of palatal epithelial cells in culture. Grove RI, et al. **Dev Biol** 1984 Dec;106(2):427-37

Embryonic head posture and palatal shelf elevation. Sandham A. **Early Hum Dev** 1985 May;11(1):69-73

Polyamine biosynthesis in the developing rabbit palate. Mandella RD. **J Craniofac Genet Dev Biol** 1985;5(1):31-40

The common developmental origin and phylogenetic aspects of teeth, rugae palatinae, and fornix vestibuli oris in the mouse. Peterková R. **J Craniofac Genet Dev Biol** 1985; 5(1):89-104

An ultrastructural and histochemical study of the development of secondary palate in Japanese quail, Coturnix coturnix japonica. Shah RM, et al. **J Craniofac Genet Dev Biol** 1985;5(1):41-57

Effects of methylmercuric chloride on palate closure in mice. Hirata S, et al. **Okajimas Folia Anat Jpn** 1984 Aug; 61(2-3):153-60

Prostaglandins, catecholamines, and differentiation of the secondary palate. Greene RM, et al. **Prog Clin Biol Res** 1985;163C:277-81

Palatal development and the arachidonic acid cascade. Piddington RL, et al. **Prog Clin Biol Res** 1985;171:295-306 (44 ref.)

Role of neurotransmitters in palate development and teratologic implications. Zimmerman EF. **Prog Clin Biol Res** 1985;171:283-94

Role of neurotransmitters and teratogens on palate development. Zimmerman EF, et al. **Prog Clin Biol Res** 1985;163C:405-8

Inhibition of arachidonic acid metabolism is not involved in dexamethasone-induced growth inhibition in embryonic palatal development. Grove RI, et al. **Prostaglandins Leukotrienes Med** 1985 Jan;17(1):85-95

2,3,7,8-Tetrachlorodibenzo-p-dioxin-induced cleft palate in the mouse: evidence for alterations in palatal shelf fusion. Pratt RM, et al. **Teratogenesis Carcinog Mutagen** 1984; 4(5):427-36

Strain differences between C57BL/6 and SWV mice in time of palate closure and induction of palatal slit and cleft palate. Kusanagi T. **Teratology** 1985 Apr;31(2):279-83

Prenatal repair of experimentally induced clefts in the secondary palate of the rat. Schuepbach PM, et al. **Teratology** 1984 Aug;30(1):131-42

[Developmental studies on the palatine bone in the human skull. With special references to the development of its nasal surface] Ishimaru T. **Hokkaido Igaku Zasshi** 1984 May;59(3):299-311 (Eng. Abstr.) **(Jpn)**

[The light and electron microscopic study of the fusion of facial prominences] Kosaka K. **Kokubyo Gakkai Zasshi** 1984 Sep;51(3):562-87 (Eng. Abstr.) **(Jpn)**

[Behavior of palatine tissue during abnormal palatogenesis in the mouse (Mus musculus)] Montenegro MA, et al. **Anat Histol Embryol** 1984 Sep;13(3):243-51 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Effects of dexamethasone on phospholipase activities in palate mesenchyme cells in vitro. Chepenik KP, et al. **Teratology** 1985 Aug;32(1):119-23

[Glycogen distribution and enzyme activity during the physiologic degeneration of the palatal shelf epithelium] Fasel J. **Acta Histochem (Jena)** 1985;76(1):89-96 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Palatal groove formation and oral endotracheal intubation [letter] Carrillo PJ. **Am J Dis Child** 1985 Sep;139(9):859-60

Effect of epidermal growth factor/urogastrone on glycosaminoglycan synthesis and accumulation in vitro in the developing mouse palate. Turley EA, et al. **Differentiation** 1985;28(3):279-85

IMMUNOLOGY

Immunocytochemical localization of serotonin-like immunoreactivities in the ciliated epithelium of the frog palatine mucosa. Maruyama I, et al. **Acta Anat (Basel)** 1984; 120(3):160-3

INJURIES

Palatal perforation related to faculty denture construction. Shalhoub SY. **J Oral Med** 1985 Jan-Mar;40(1):49-50

Interim obturation of palatal perforations. Moergeli JR, et al. **J Prosthet Dent** 1985 May;53(5):680-1

[Median palatine suture fracture: a type of maxillary fracture with report of 15 cases] Song QH. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Mar;20(2):105-6 **(Chi)**

[Palatal injuries] Tvinnereim M, et al. **Tidsskr Nor Laegeforen** 1985 Jan 30;105(3):206-8 (Eng. Abstr.) **(Nor)**

INNERVATION

Electron microscope study of the Grandry and Herbst corpuscles in the palatine mucosa, gingival mucosa and beak skin of the duck. Watanabe I, et al. **Arch Histol Jpn** 1985 Feb;48(1):89-108

Calcitonin gene-related peptide (CGRP)-immunoreactive sensory and motor nerves of the mammalian palate. Rodrigo J, et al. **Histochemistry** 1985;82(1):67-74

Sensory nerve endings of the incisive papilla of rat hard palate studied by peroxidase cytochemical methods. Chan KY, et al. **J Comp Neurol** 1985 Apr 8;234(2):192-200

Anterograde axonal transport and intercellular transfer of WGA-HRP in trigeminal-innervated sensory receptors of rat incisive papilla. Chan KY, et al. **J Comp Neurol** 1985 Apr 8;234(2):201-17

METABOLISM

Stimulation of mucus secretion, ciliary activity, and transport in frog palate epithelium. Spungin B, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C299-308

Hydrolysis of phospholipids by embryonic palate mesenchyme cells in vitro. Chepenik KP, et al. **Prog Clin Biol Res** 1985;163B:369-76

MICROBIOLOGY

Candida glabrata (syn. Torulopsis glabrata) associated with a chronic hyperplastic lesion of the palate. Price JD, et al. **Br J Oral Maxillofac Surg** 1985 Feb;23(1):60-6

PATHOLOGY

Histopathology of otitis media in infants with cleft and high-arched palates. Kitajiri M, et al. **Ann Otol Rhinol Laryngol** 1985 Jan-Feb;94(1 Pt 1):44-50

Median palatine cyst. Gingell JC, et al. **J Oral Maxillofac Surg** 1985 Jan;43(1):47-51

Solitary palatal ulcer [clinical conference] Hupp JR, et al. **J Oral Maxillofac Surg** 1985 May;43(5):365-71

Necrotizing sialometaplasia of palatal minor salivary glands: a report on 2 cases. Chaudhry AP, et al. **J Oral Med** 1985 Jan-Mar;40(1):2-6

The median palatal cyst: does it exist? Report of three cases with oro-medical implications. Zachariades N, et al. **J Oral Med** 1984 Jul-Sep;39(3):173-6

Mycosis fungoides: initial diagnosis via palatal biopsy with discussion of diagnostic advantages of plastic embedding. Damm DD, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):413-9

[Height and shape of the palate in infants with trisomy 21] Fischer-Brandies H. **Zahn Mund Kieferheilkd** 1985; 73(3):283-90 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Timing constraints and coarticulation: alveolo-palatals and sequences of alveolar + [j] in Catalan. Recasens D. **Phonetica** 1984;41(3):125-39

PHYSIOPATHOLOGY

Functional palatal incompetence and teratogenesis [letter] Young ID, et al. **Arch Dis Child** 1985 Feb;60(2):185-6

[Rheographic and thermometric methods of evaluating palatal tissue function in congenital defects at various stages of surgical treatment] Bernadskiĭ IuI, et al. **Stomatologiia (Mosk)** 1984 Nov-Dec;63(6):33-6 (Eng. Abstr.) **(Rus)**

SURGERY

Conservative surgical palatal expansion [letter] Cheek JA. **Am J Orthod** 1985 Mar;87(3):257

Changes in bone remodeling after palatal surgery. Shinbashi T, et al. **Ann Plast Surg** 1985 Mar;14(3):267-77

Indications for palatopharyngoplasty. deBerry-Borowiecki B, et al. **Arch Otolaryngol** 1985 Oct;111(10):659-63

Extended palatal island mucoperiosteal flap. Gullane PJ, et al. **Arch Otolaryngol** 1985 May;111(5):330-2

The use of a vomerine flap for palatal lengthening: the modified Nagpur technique. Kumar PA. **Br J Plast Surg** 1985 Jul;38(3):343-6

Healing following full thickness excision of human palatal mucosa. Pedlar J. **Br J Plast Surg** 1985 Jul;38(3):347-51

Uvulopalatopharyngoplasty. One-year followup. Conway W, et al. **Chest** 1985 Sep;88(3):385-7

Surgical and speech results following palatopharyngoplasty operations in Denmark 1959-1977. Brøndsted K, et al. **Cleft Palate J** 1984 Jul;21(3):170-9

A comparison of palatoplasty techniques. Dreyer TM, et al. **Cleft Palate J** 1984 Oct;21(4):251-3

Primary von Langenbeck palatoplasty with levator reconstruction: rationale and technique. Trier WC, et al. **Cleft Palate J** 1984 Oct;21(4):254-62

Delayed hard palate closure: the philosophy revisited. Witzel MA, et al. **Cleft Palate J** 1984 Oct;21(4):263-9

Orthodontic tooth movement through the midpalatal suture area after surgical removal of the suture. An experimental study in dogs. Follin M, et al. **Eur J Orthod** 1985 Feb; 7(1):17-24

Surgically assisted rapid maxillary expansion by opening the midpalatal suture. Kraut RA. **J Oral Maxillofac Surg** 1984 Oct;42(10):651-5

A method of determining the correct amount of palatal resection in palatopharyngoplasty. Colman MF, et al. **Laryngoscope** 1985 May;95(5):609-10

Evaluation of the effectiveness of uvulopalatopharyngoplasty. Fujita S, et al. **Laryngoscope** 1985 Jan;95(1):70-4

Fiberoptic manipulation of the upper airway and the preoperative assessment for uvulopalatopharyngoplasty. Hausfeld JN. **Laryngoscope** 1985 Jun;95(6):738

Uvulopalatopharyngoplasty: a surgical procedure for obstructive sleep apnea and social snoring problems. Moore GF, et al. **Nebr Med J** 1985 Jan;70(1):7-12

Uvulopalatopharyngoplasty: a cure for snoring [letter] Walker E, et al. **NZ Med J** 1985 May 22;98(779):404

A comparison of healing and pain following excision of inflammatory papillary hyperplasia with electrosurgery and blade-loop knives in human patients. Rathofer SA, et al. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):130-5

Further evaluation of uvulopalatopharyngoplasty in the treatment of obstructive sleep apnea syndrome. Katsantonis GP, et al. **Otolaryngol Head Neck Surg** 1985 Apr; 93(2):244-50

Palatopharyngoplasty failure, cephalometric roentgenograms, and obstructive sleep apnea. Riley R, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):240-4

The Cronin push-back palate repair with nasal mucosal flaps: a speech evaluation. Aaronson SM, et al. **Plast Reconstr Surg** 1985 Jun;75(6):805-9

[Prosthetic rehabilitation in jaw resections followed by reconstruction of the palatal diaphragm] Fraccari F, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):381-6 (Eng. Abstr.) **(Ita)**

[Use of the tubular flap in reconstruction of palatal defects] Brkić E. **Chir Maxillofac Plast** 1984;14(2-3):75-87 (Eng. Abstr.) **(Scr)**

TRANSPLANTATION

Palatal grafts for eyelid reconstruction. Siegel RJ. **Plast Reconstr Surg** 1985 Sep;76(3):411-4

ULTRASTRUCTURE

Analysis of desmosomal intramembrane particle populations and cytoskeletal elements: detergent extraction and freeze-fracture. Pirbazari M, et al. **Cell Tissue Res** 1985; 241(2):341-51

Fine structure of subepithelial 'free' and corpuscular trigeminal nerve endings in anterior hard palate of the rat. Byers MR, et al. **Somatosens Res** 1984;1(3):265-79

Fine structure and axonal transport labeling of intraepithelial sensory nerve endings in anterior hard palate of the rat. Yeh Y, et al. **Somatosens Res** 1983;1(1):1-19

PALATE, SOFT

Angina pectoris presenting as pain of the soft palate. Edge CJ. **Br Dent J** 1985 May 11;158(9):335-6

The treatment of cancer of the uvula and soft palate with interstitial radioactive wire implants. Sealy R, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1951-5

Bilateral palatal myoclonus. Pathophysiology and report of a case. Hanson B, et al. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):479-81

An unusually large pleomorphic adenoma of the soft palate. Lazow SK, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):386

[Suffused ecchymosis of the palate caused by fellatio] Aloi FG. **G Ital Dermatol Venereol** 1984 Sep-Oct;119(5):351-2 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Levator palati and palatal dimples: their anatomy, relationship and clinical significance. Boorman JG, et al. **Br J Plast Surg** 1985 Jul;38(3):326-32

Simplified velopharyngeal orifice area estimation [letter] Smith BE. **Cleft Palate J** 1985 Jul;22(3):212-5

Modeled velopharyngeal orifice area prediction during simulated stop consonant production in the presence of increased nasal airway resistance. Smith BE, et al. **Cleft Palate J** 1985 Jul;22(3):149-53

Predictions of modeled palatopharyngeal port openings under conditions simulating pharyngeal flap reconstruction. Smith BE, et al. **Cleft Palate J** 1985 Jul;22(3):154-6

Velopharyngeal variations in relatives of cleft-affected individuals. Huston JP, et al. **J Craniofac Genet Dev Biol** 1985;5(2):167-73

INJURIES

Internal carotid artery thrombosis following soft palate injuries: a case report and review of 16 cases. Hengerer AS, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1571-5

METABOLISM

[Composition of plasma lipoproteins and clinical indicators of the progression of arteriosclerosis in patients with primary hyperlipoproteinemia and different degrees of lipid change in the soft palate] Markiewicz M, et al. **Wiad Lek** 1984 Jun 1;37(11):831-5 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Hyaline-cell pleomorphic adenoma. Diagnosis by fine needle aspiration biopsy. Schultenover SJ, et al. **Acta Cytol (Baltimore)** 1984 Sep-Oct;28(5):593-7

Swellings of the soft palate: a diagnostic trap. Robertson MS, et al. **NZ Med J** 1984 Nov 14;97(767):775-7

PHYSIOLOGY

Multiview videoendoscopic evaluation of velopharyngeal physiology in 15 normal speakers. Karnell MP, et al. **Ann Otol Rhinol Laryngol** 1985 Jul-Aug;94(4 Pt 1):361-5

What muscle is responsible for lateral pharyngeal wall movement? Isshiki N, et al. **Ann Plast Surg** 1985 Mar; 14(3):224-7

Longitudinal evaluation of articulation and velopharyngeal competence of patients with pharyngeal flaps. Van Demark DR, et al. **Cleft Palate J** 1985 Jul;22(3):163-72

Soft palate and oronasal breathing in humans. Rodenstein DO, et al. **J Appl Physiol** 1984 Sep;57(3):651-7

Evaluation of velopharyngeal closure by CT scan and endoscopy. Honjo I, et al. **Plast Reconstr Surg** 1984 Nov; 74(5):620-7

[Endoscopic study of the components of palatopharyngeal closure] Belousova NV, et al. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):38-40 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Palatal myoclonus syndrome with spontaneous recovery in a child] Boulloche J, et al. **Arch Fr Pediatr** 1984 Nov; 41(9):645-7 (Eng. Abstr.) **(Fre)**

SURGERY

A comparison of palatoplasty techniques. Dreyer TM, et al. **Cleft Palate J** 1984 Oct;21(4):251-3

Primary von Langenbeck palatoplasty with levator reconstruction: rationale and technique. Trier WC, et al.

Cleft Palate J 1984 Oct;21(4):254-62

Velar closure and ear tubings as a primary procedure in the repair of cleft palates. Frable MA, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1044-6

The palatopharyngoplasty operation for snoring and sleep apnea: an interim report. Simmons FB, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):375-80

[Velopharyngeal rehabilitation after transmaxillary buccopharyngectomy extending to the soft palate] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 1985; 102(3):135-7 (Eng. Abstr.) **(Fre)**

[Results of Schoenborn's pharyngoplasty in children with postoperative shortening of the soft palate] Zhak GA, et al. **Stomatologiia (Mosk)** 1984 Nov-Dec;63(6):32-3 (Eng. Abstr.) **(Rus)**

PALATOPHARYNGEAL INCOMPETENCE see **VELOPHARYNGEAL INSUFFICIENCY**

PALEODONTOLOGY

Advances in the dental search for Native American origins. Turner CG 2d. **Acta Anthropogenet** 1984;8(1-2):23-78 (138 ref.)

Deciduous enamel defects in prehistoric Americans from Dickson Mounds: prenatal and postnatal stress. Blakey ML, et al. **Am J Phys Anthropol** 1985 Apr;66(4):371-80

The chronological distribution of enamel hypoplasias from prehistoric Dickson Mounds populations. Goodman AH, et al. **Am J Phys Anthropol** 1984 Nov;65(3):259-66

Fluctuating dental asymmetry and measurement error. Greene DL. **Am J Phys Anthropol** 1984 Nov;65(3):283-9

Deciduous dental morphology and the biological affinities of a late Chalcolithic skeletal series from western India. Lukacs JR, et al. **Am J Phys Anthropol** 1984 Sep; 65(1):23-30

A cephalometric study of the Romano-British. Seddon RP. **Eur J Orthod** 1984 Nov;6(4):303-12

Tooth eruption and migration theories: can they account for the presence of a 13,000-year-old mesiodens in the vault of the palate? Sutton PR. **Oral Surg Oral Med Oral Pathol** 1985 Mar;59(3):252-5

[Anteroposterior pressure of the lips on the lower dental arch in the Neolithic period] Fraudet JR. **Rev Stomatol Chir Maxillofac** 1984;85(5):438-40 (Eng. Abstr.) **(Fre)**

[Electron microscopy research on the dentin in recent, historical and prehistoric human teeth] Schemel W, et al. **Schweiz Monatsschr Zahnmed** 1985 May;95(5):401-11 **(Ger)**

[Hardness tests on the enamel, dentin and cementum of historic and prehistoric human teeth] Schemel W, et al. **Schweiz Monatsschr Zahnmed** 1985 Jan;95(1):31-40 (Eng. Abstr.) **(Ger)**

[Incidence of Stafne's idiopathic mandibular cavity in paleoanthropologic findings] Marcsik A, et al. **Fogorv Sz** 1985 Jul;78(7):207-10 (Eng. Abstr.) **(Hun)**

PALEONTOLOGY

The initial peopling of the Americas: an overview from the perspective of physical anthropology. Zegura SL. **Acta Anthropogenet** 1984;8(1-2):1-21 (78 ref.)

Observations on the formation and persistence of radiopaque transverse lines. Hummert JR, et al. **Am J Phys Anthropol** 1985 Mar;66(3):297-306

Functional morphology of the asterionic region in extant hominoids and fossil hominids. Kimbel WH, et al. **Am J Phys Anthropol** 1985 Jan;66(1):31-54

Cranial morphology of Australopithecus afarensis: a comparative study based on a composite reconstruction of the adult skull. Kimbel WH, et al. **Am J Phys Anthropol** 1984 Aug;64(4):337-88

Cranial variation in the terminal Late Archaic of Ohio. Sciulli PW, et al. **Am J Phys Anthropol** 1985 Apr;66(4):429-43

Cortical bone maintenance and geometry of the tibia in prehistoric children from Nubia's Batn el Hajar. Van Gerven DP, et al. **Am J Phys Anthropol** 1985 Mar; 66(3):275-80

Comparative myology of the hominoid cranial base. I. The muscular relationships and bony attachments of the digastric muscle. Dean MC. **Folia Primatol (Basel)** 1984; 43(4):234-48

An analysis of diversity in Glacial Kame and Adena skeletal samples. Sciulli PW, et al. **Hum Biol** 1984 Dec;56(4):603-16

Mycobacterium ulcerans: an infection from Jurassic time? Hayman J. **Lancet** 1984 Nov 3;2(8410):1015-6

Paleolithic nutrition [letter] **N Engl J Med** 1985 May 30; 312(22):1458-9

Paleolithic nutrition. A consideration of its nature and current implications. Eaton SB, et al. **N Engl J Med** 1985 Jan 31; 312(5):283-9 (80 ref.)

Accelerator mass spectrometry radiocarbon ages of amino acid extracts from Californian palaeoindian skeletons. Bada JL, et al. **Nature** 1984 Nov 29-Dec 5;312(5993):442-4

Palaeobiology and age of African Homo erectus [news] Delson E. **Nature** 1985 Aug 29-Sep 4;316(6031):762-3

Hadar AL 162-28 endocast as evidence that brain enlargement preceded cortical reorganization in hominid evolution. Falk D. **Nature** 1985 Jan 3-9;313(5997):45-7

Sirenian molecular systematics--including the extinct Steller's sea cow (Hydrodamalis gigas). Rainey WE, et al. **Naturwissenschaften** 1984 Nov;71(11):586-8

Heavy metals in human and animal bones from ancient and contemporary France. Jaworowski Z, et al. **Sci Total Environ** 1985 May;43(1-2):103-26

The fossil man from Salzgitter-Lebenstedt (FRG) and its place in human evolution during the pleistocene in Europe. Hublin JJ. **Z Morphol Anthropol** 1984;75(1):45-56

Evolution in the postcranial skeleton of late glacial and early postglacial European hominids. Jacobs KH. **Z Morphol Anthropol** 1985;75(3):307-26

Continuity and change in the origin of modern Homo sapiens. Smith FH. **Z Morphol Anthropol** 1985;75(2):197-222 (120 ref.)

[Human remains from the Coupe-Gorge cavern at Montmaurin (High Garonne)] Billy G. **Z Morphol Anthropol** 1985;75(2):223-37 (Eng. Abstr.) **(Fre)**

[Historical relevance of acceleration research: growth changes in body height in a population of Tell es Sultan/Jericho from the preceramic neolithic era (about 9000-6000 B.C.)] Röhrer-Ertl O. **Arztl Jugendkd** 1984 Oct; 75(5):292-302 (Eng. Abstr.) **(Ger)**

[Comparative morphologic characteristics of the Upper Paleolithic specimens from Oberkassel near Bonn] Henke W. **Z Morphol Anthropol** 1984;75(1):27-44 (Eng. Abstr.) **(Ger)**

[Body height determination of male individuals using femoral, tibial and humeral fragments] Sonder E, et al. **Z Morphol Anthropol** 1985;75(2):131-53 (Eng. Abstr.) **(Ger)**

[Various debatable positions in the doctrine of anthropogenesis in light of concepts concerning destabilizing selection and findings of modern paleoendocrinology (on the 100th anniversary of the birth of I. I. Shmal'gauzen)] Nikitiuk BA, et al. **Arkh Anat Gistol Embriol** 1984 Aug;87(8):5-14 **(Rus)**

[Paleoserological study of human bone remains from archaeological locations in Serbia] Saračevic M, et al. **Bilt Hematol Transfuz** 1984;12(2):129-33 (Eng. Abstr.) **(Ser)**

PALEOPATHOLOGY

Maladies of mummies. A venture in biohistory. Shepard W. **Ala Med** 1985 Jan;54(7):41-2

A possible case of pre-Columbian treponematosis from New York State. Elting JJ, et al. **Am J Phys Anthropol** 1984 Nov;65(3):267-73

Paleopathology in an Iroquoian ossuary, with special reference to tuberculosis. Pfeiffer S. **Am J Phys Anthropol** 1984 Oct;65(2):181-9

Porotic hyperostosis: representative of a childhood condition. Stuart-Macadam P. **Am J Phys Anthropol** 1985 Apr; 66(4):391-8

A medieval case of metastasizing carcinoma with multiple osteosclerotic bone lesions. Tkocz I, et al. **Am J Phys Anthropol** 1984 Dec;65(4):373-80

Palaeopathology of spinal osteophytosis, vertebral ankylosis, ankylosing spondylitis, and vertebral hyperostosis. Rogers J, et al. **Ann Rheum Dis** 1985 Feb;44(2):113-20

The Prince of El Plomo: a paleopathological study. Horne PD, et al. **Bull NY Acad Med** 1984 Nov;60(9):925-31

Electron microscopic examination of various types of ancient specimens. Riddle JM. **Henry Ford Hosp Med J** 1985; 33(1):3-8

Cutaneous histopathology of southwestern American Indian mummies. Speck FL, et al. **Int J Dermatol** 1984 Sep; 23(7):487-92

On the etiology and pathogenesis of porotic hyperostosis of the skull. Ponec DJ, et al. **Invest Radiol** 1984 Jul-Aug; 19(4):313-7

An analysis of a prehistoric homicide from northern California. Murad TA, et al. **J Forensic Sci** 1985 Jul; 30(3):948-52

Palaeontology of smallpox. Zuckerman AJ. **Lancet** 1984 Dec 22;2(8417-18):1454

The finding of eggs of Diphyllobothrium in human coprolites (4,100-1,950 B.C.) from northern Chile. Ferreira LF, et al. **Mem Inst Oswaldo Cruz** 1984 Apr-Jun;79(2):175-80

[Effect of artificial skull deformation in vitro on sensory performance in the human. Morphologic and tomographic study based on the calvarium E2 of Tell es Sultan/Jericho (7th millenium b.c.)] Rohrer-Ertl O, et al. **Gegenbaurs Morphol Jahrb** 1984;130(5):677-97 (Eng. Abstr.) **(Ger)**

[Medicolegal findings in historic materials] Berg S. **Z Lymphol** 1985 Jun;9(1):50-3 **(Ger)**

PALLADIUM

Porosities in a dental silver-palladium casting alloy. Oilo G, et al. **Acta Odontol Scand** 1985 Mar;43(1):9-13

The structure and oxidation of two palladium ceramic fusing alloys. Suoninen E, et al. **Biomaterials** 1985 Mar;6(2):133-7

New synthesis of pyrrolo-1,4-benzodiazepines by utilizing palladium-catalyzed carbonylation. Mori M, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):3840-7

Evaluation of a Ag-In-Pd casting alloy for preclinical teaching. Bardzinski MA, et al. **J Dent Educ** 1985 Aug; 49(8):589-91

Thermal stress failure of porcelain bonded to a palladium-silver alloy. Walton TR, et al. **J Dent Res** 1985 Mar;64(3):476-80

Potential of 109Pd-labeled lymphocytes for selective lymphatic ablation. Fawwaz RA, et al. **Nuklearmedizin** 1984 Dec;23(6):333-5

ADVERSE EFFECTS

Contact stomatitis and dermatitis to nickel and palladium. van Loon LA, et al. **Contact Dermatitis** 1984 Nov; 11(5):294-7

PHARMACODYNAMICS

[Effect of thermal treatment on the hardening of a gold-palladium alloy intended for metal-ceramic technics] Payan J, et al. **Schweiz Monatsschr Zahnmed** 1984 Aug; 94(8):707-14 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Potential of palladium-109-labeled antimelanoma monoclonal antibody for tumor therapy [letter] Wahl RL. **J Nucl Med** 1985 Feb;26(2):208-9

PALLIATIVE TREATMENT

A comparative study of the pain alleviating effect of vibratory stimulation, transcutaneous electrical nerve stimulation, electroacupuncture and placebo. Lundeberg T. **Am J Chin Med** 1984 Summer;12(1-4):72-9

Vibratory stimulation for the alleviation of pain. Lundeberg T. **Am J Chin Med** 1984 Summer;12(1-4):60-70

Heroin: facts and comparisons. Kaiko RF. **Am J Nurs** 1985 Jan;85(1):81

Palliative exenteration--what, when, and why? Stanhope CR, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):12-6

Combined laser therapy and endobronchial radiotherapy for unresectable lung carcinoma with bronchial obstruction. Allen MD, et al. **Am J Surg** 1985 Jul;150(1):71-7

The transfer of the abductor digiti quinti: palliative treatment for paralysis of the superficial thenar muscles. Iselin F, et al. **Ann Chir Main** 1984;3(3):207-14 **(Eng, Fre)**

Surgical palliation of respiratory insufficiency secondary to massive exuberant polyostotic fibrous dysplasia of the ribs. King RM, et al. **Ann Thorac Surg** 1985 Feb;39(2):185-7

Pain in multiple sclerosis. Clifford DB, et al. **Arch Neurol** 1984 Dec;41(12):1270-2

Pain relief: the state of the art. Little TF. **Aust Fam Physician** 1984 Dec;13(12):859-63

Use of flupirtine maleate as an analgesic in patients with liver disease. Powell-Jackson P, et al. **Br J Clin Pract** 1985 Feb; 39(2):63-6

Radiotherapy versus resection for palliation of carcinoma of the esophagus [letter] Beatty JD. **Can J Surg** 1985 Mar; 28(2):108-9

Palliation after operation and after radiotherapy for cancer of the esophagus. Stoller JL, et al. **Can J Surg** 1984 Sep; 27(5):491-5

Drug management of pain in cancer patients [letter] Cornett W. **Can Med Assoc J** 1985 Jun 1;132(11):1253

Palliation of esophageal malignancy with photoradiation therapy. McCaughan JS Jr, et al. **Cancer** 1984 Dec 15; 54(12):2905-10

Action of oral methylprednisolone in terminal cancer patients: a prospective randomized double-blind study. Bruera E, et al. **Cancer Treat Rep** 1985 Jul-Aug; 69(7-8):751-4

Neodymium-YAG laser treatment of intrabronchial lesions. A new mapping technique via the flexible fiberoptic bronchoscope. Joyner LR Jr, et al. **Chest** 1985 Apr; 87(4):418-27

YAG laser therapy. New techniques and conventional wisdom [editorial] McDougall JC, et al. **Chest** 1985 Apr; 87(4):416-7

Magnetic resonance imaging: evaluation of palliative systemic-pulmonary artery shunts. Jacobstein MD, et al. **Circulation** 1984 Oct;70(4):650-6

Cytotoxic chemotherapy for patients with terminal squamous carcinoma--does it influence survival? Morton RP, et al. **Clin Otolaryngol** 1984 Jun;9(3):175-80

Palliative care: planning a regional system. Heidemann EG. **Dimens Health Serv** 1984 Nov;61(11):16-21, 39

Palliative care volunteers: new dimensions in patient care. Howarth MJ. **Dimens Health Serv** 1984 Nov;61(11):22-3

Palliative dilation of esophageal carcinoma. Moses FM, et al. **Gastrointest Endosc** 1985 Apr;31(2):61-3

Malignant esophagopulmonary fistula treated by fiberoptic intubation of a prosthesis. Valbuena J. **Gastrointest Endosc** 1985 Aug;31(4):281-3

Palliative surgical treatment for carcinoma of the esophagus. Gignoux M, et al. **Int Surg** 1984 Jul-Sep;69(3):257-60

Dorsal nerve blockade for pain relief after circumcision. Murphy DF, et al. **Ir J Med Sci** 1984 Aug;153(8):282-3

Pathological fractures of the cervical spine. Palliative surgical treatment. Fidler MW. **J Bone Joint Surg [Br]** 1985 May; 67(3):352-7

Outcomes and complications of continuous intraspinal narcotic analgesia for cancer pain control. Coombs DW, et al. **J Clin Oncol** 1984 Dec;2(12):1414-20

Status of cancer pain management. Sammons EE. **J Med Assoc Ga** 1984 Oct;73(10):687-9

Relief of pain from a phantom limb by peripheral stimulation. Lundeberg T. **J Neurol** 1985;232(2):79-82

Parabrachial modulation of pain and blood pressure [letter]

Meyer MA. **J Neurosurg** 1985 Sep;63(3):478-9

Iodine-131-labeled diphosphonates for the palliative treatment of bone metastases: I. Organ distribution and kinetics of I-131 BDP3 in rats. Eisenhut M. **J Nucl Med** 1984 Dec;25(12):1356-61

Long term results of Heller's operation for achalasia. Goulbourne IA, et al. **J R Coll Surg Edinb** 1985 Apr;30(2):101-3

Surgery for carcinoma of the pancreas and periampullary structures: complications of resectional and palliative procedures. Lee YT. **J Surg Oncol** 1984 Dec;27(4):280-5

Regression of metastatic adrenal carcinoma during palliative ketoconazole treatment [letter] Contreras P, et al. **Lancet** 1985 Jul 20;2(8447):151-2

Pain relief for the terminally ill [letter] Mawer SL. **Lancet** 1985 Feb 23;1(8426):463

Palliative laser surgery for melanoma metastatic to the larynx: report of two cases. Morgan AH, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):794-7

Management of cancer pain [letter] Allbrook D. **Med J Aust** 1985 Mar 4;142(5):327

Morphine and palliative care [letter] Gliksman MD. **Med J Aust** 1985 Apr 15;142(8):489

The need for palliative care services in a general hospital. James ML, et al. **Med J Aust** 1985 Apr 15;142(8):448-9

Hospice palliative care [letter] Reid DB. **Med J Aust** 1985 May 27;142(11):619

Palliation of unresectable esophageal carcinoma by intraluminal intubation. Santos GH. **NY State J Med** 1984 Sep;84(9):449-51

Subarachnoid neurolytic block (L5-S1) and unilateral percutaneous cervical cordotomy in the treatment of pain secondary to pelvic malignant disease. Ischia S, et al. **Pain** 1984 Oct;20(2):139-49

Effect of palliative and corrective surgery on ventricular volumes in complete atrioventricular canal. Fisher EA, et al. **Pediatr Cardiol** 1984 Jul-Sep;5(3):159-65

Repeat pituitary ablation for advanced prostatic cancer. Khan O, et al. **Postgrad Med J** 1985 May;61(715):433-4

Prednisolone in terminal breast and bronchogenic cancer. Twycross RG, et al. **Practitioner** 1985 Jan;229(1399):57-9

Oral acyclovir, palliative therapy for genital herpes: will it change the epidemiology? [editorial] Guinan ME. **Sex Transm Dis** 1985 Jan-Mar;12(1):55-6

Reconstructive spinal surgery as palliation for metastatic malignancies of the spine. DeWald RL, et al. **Spine** 1985 Jan-Feb;10(1):21-6

Endoscopic laser therapy for gastrointestinal neoplasms. Fleischer D. **Surg Clin North Am** 1984 Oct;64(5):947-53

Two-stage correction for tetralogy of Fallot. Bianchi T, et al. **Thorac Cardiovasc Surg** 1984 Aug;32(4):229-33

Surgical correction of tetralogy of Fallot (TOF) after palliative operations. Bircks W, et al. **Thorac Cardiovasc Surg** 1984 Aug;32(4):224-8

Criteria for and against primary correction of Fallot's tetralogy. Oelert H, et al. **Thorac Cardiovasc Surg** 1984 Aug;32(4):215-9

The treatment of tetralogy of Fallot: early repair or palliation? Sebening F, et al. **Thorac Cardiovasc Surg** 1984 Aug;32(4):201-7

Palliative cryosurgery for oral cavity malignant melanoma: a case report. Delbello A, et al **Tumori** 1985 Feb 28;71(1):89-90

Palliative nephrostomy [letter] Sharp J. **Urology** 1984 Oct;24(4):419

[Palliative procedures for inoperable carcinoma of the pancreas] Vojtíšek V, et al. **Rozhl Chir** 1984 Sep;63(8-9):547-53 (Eng. Abstr.) **(Cze)**

[5-year survival of a patient with untreated cancer of the lung] Salajka F. **Vnitr Lek** 1985 Jun;31(6):592-4 (Eng. Abstr.) **(Cze)**

[The terminal cancer patient] Ellegaard J. **Nord Med** 1985;100(3):73-5 (Eng. Abstr.) **(Dan)**

[Treatment of pain in a multidisciplinary pain clinic] Andersen S, et al. **Ugeskr Laeger** 1984 Apr 30;146(18):1350-4 (Eng. Abstr.) **(Dan)**

[Morphine depot tablets compared with conventional morphine tablets in the treatment of cancer pain] Knudsen J, et al. **Ugeskr Laeger** 1985 Feb 25;147(9):780-4 (Eng. Abstr.) **(Dan)**

[Morphine prescriptions in hospital departments (letter)] Koefoed N. **Ugeskr Laeger** 1985 Feb 25;147(9):806-7 **(Dan)**

[Laser photocoagulation as palliative treatment in tumors of the digestive tract] Mathus-Vliegen EM, et al. **Ned Tijdschr Geneeskd** 1985 Jun 29;129(26):1234-7 (Eng. Abstr.) **(Dut)**

[Form for palliative surgery of leprosy] Bourrel P. **Med Trop (Mars)** 1984 Apr-Jun;44(2):171-8 **(Fre)**

[Value of stereotaxic mesencephalic tractotomy in neoplastic cervicofacial pain] Cohadon F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1985;106(1):9-10 (Eng. Abstr.) **(Fre)**

[Palliative paramedical care] Falardeau M, et al. **Union Med Can** 1984 Nov;113(11):923-7 (Eng. Abstr.) **(Fre)**

[The palliative care unit at Notre-Dame Hospital. Organization of the palliative care unit] Falardeau M, et al. **Union Med Can** 1984 Nov;113(11):901-8 **(Fre)**

[The palliative care unit: before, during and after] Lamontagne Y. **Union Med Can** 1984 Nov;113(11):937-8, 919 **(Fre)**

[The religious dimension of the palliative care unit] Paquin J. **Union Med Can** 1984 Nov;113(11):909-10 (Eng. Abstr.) **(Fre)**

[Medical care of the cancer patient in the terminal stage] Xénos JB, et al. **Union Med Can** 1984 Nov;113(11):930-5 (Eng. Abstr.) **(Fre)**

[Palliative endoscopic laser therapy of gastrointestinal tumors] Stadler H. **Fortschr Med** 1985 May 23;103(20):538-42 (Eng. Abstr.) **(Ger)**

[Initial results of hyperthermia in palliative therapy of cancers in the ENT area] Jakse R, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Feb;64(2):52-7 (Eng. Abstr.) **(Ger)**

[Treatment results in palliative radiotherapy of bone metastases] Alheit HD, et al. **Radiobiol Radiother (Berl)** 1984;25(5):667-72 (Eng. Abstr.) **(Ger)**

[Palliative embolization of kidney tumors using iodol-marked Ethibloc] Weber J, et al. **ROFO** 1984 Oct;141(4):384-9 (Eng. Abstr.) **(Ger)**

[Palliative therapy of esophagus cancer with an endoscopically implanted endoprosthesis] Gehrig J, et al. **Schweiz Med Wochenschr** 1985 Apr 27;115(17):587-91 (Eng. Abstr.) **(Ger)**

[Profundaplasty--a palliative operation in leg arterial occlusion of the aged?] Liepe B, et al. **Z Gerontol** 1985 Jan-Feb;18(1):22-7 (Eng. Abstr.) **(Ger)**

[Palliative radiotherapy of bone metastases. Comparison between 2 fractionations] Peretti G, et al. **Radiol Med (Torino)** 1984 Jun;70(6):393-5 (Eng. Abstr.) **(Ita)**

[Late failure of porcine pericardial monocusp in palliative right ventricular outflow tract reconstruction for tetralogy of Fallot] Ohkita Y, et al. **Kyobu Geka** 1985 Jan;38(1):67-72 (Eng. Abstr.) **(Jpn)**

[Care of patients with terminal cancer] Drøsdal H. **Tidsskr Nor Laegeforen** 1985 Jan 20;105(2):150-1 (Eng. Abstr.) **(Nor)**

[Continuous subcutaneous treatment of pain in terminal cancer patients] Drøsdal S. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1720-1 (Eng. Abstr.) **(Nor)**

[Treatment of pain in cancer patients with continuous infusion of analgesics] Drøsdal S. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1722-4 (Eng. Abstr.) **(Nor)**

[Treatment of cancer pain with morphine given via epidural catheters] Husebø S. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1715-7 (Eng. Abstr.) **(Nor)**

[Epidural morphine for severe cancer pain] Landa L, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1713-5 (Eng. Abstr.) **(Nor)**

[Long-term treatment with epidural morphine in cancer patients] Pettersen B, et al. **Tidsskr Nor Laegeforen** 1984 Sep 10;104(25):1733-5 (Eng. Abstr.) **(Nor)**

[Blalock-Taussig anastomosis as a palliative procedure in cyanotic cardiopathies with reduced pulmonary flow] Sallum F, et al. **Arq Bras Cardiol** 1981 Oct;37(4):275-7 (Eng Abstr.) **(Por)**

[Veno-atrial bypass in the palliative treatment of superior vena cava syndrome] Aun F, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Mar-Apr;39(2):81-4 (Eng. Abstr.) **(Por)**

[Palliative resection of the esophagus in cancer] Tun VG, et al. **Vestn Khir** 1984 Nov;133(11):22-6 (Eng. Abstr.) **(Rus)**

[Historical development of neurolytic agents used for the treatment of chronic pain] Madrid Arias JL. **Rev Esp Anestesiol Reanim** 1984 Sep-Oct;31(5):197-204 (75 ref.) (Eng. Abstr.) **(Spa)**

[Right ventricle-pulmonary artery connection with controlled flow in cardiopathies with interventricular communication and pulmonary atresia-stenosis] García A, et al. **Rev Esp Cardiol** 1984 Sep-Oct;37(5):336-42 (Eng. Abstr.) **(Spa)**

[Blalock-Hanlon atrio-septectomy: an outmoded technic? (II) In cardiopathies with atrioventricular or pulmonary obstruction with an intact interventricular septum] Villagrá F, et al. **Rev Esp Cardiol** 1984 May-Jun;37(3):204-10 (Eng. Abstr.) **(Spa)**

[Hepatic artery embolization as a palliative treatment for malignant hepatic tumors: presentation of our experience] Miguelena Bobadilla JM, et al. **Rev Esp Enferm Apar Dig** 1985 Jan;67(1):45-9 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Palliation of gastroesophageal carcinoma with endoscopic insertion of a new antireflux prosthesis. Valbuena J. **Gastrointest Endosc** 1984 Aug;30(4):241-3

[Endotube as a palliative measure in stenosing cancer of the esophagus and cardia] Buess G, et al. **Leber Magen Darm** 1985 Jan;15(1):26-34 (Eng. Abstr.) **(Ger)**

[Remarks on the paper by H. Bause et al. Continuous peridural long-term morphine analgesia in an ambulatory cancer patient. Supplementary information on the use of an external portable dose-dispensing device for the treatment of unbearable cancer pain (letter)] Chrubasik J, et al. **Reg Anaesth** 1985 Apr;8(2):39-41 **(Ger)**

METHODS

Endoscopic neodymium-YAG laser palliation of nonresectable esophageal malignancy. Cello JP, et al. **Ann Intern Med** 1985 May;102(5):610-2

Relief of the pain of unresectable carcinoma of pancreas by chemical splanchnicectomy during laperotomy [letter] Charlton JE. **Ann R Coll Surg Engl** 1985 Mar;67(2):136-7

Palliation of malignant ascites by the Denver peritoneovenous shunt. Downing R, et al. **Ann R Coll Surg Engl** 1984 Sep;66(5):340-3

Palliation of esophageal malignancy with photodynamic therapy. McCaughan JS Jr, et al. **Ann Thorac Surg** 1985 Aug;40(2):113-20

Bronchoscopic implantation of radioactive gold grains into endobronchial carcinomas. Law MR, et al. **Br J Dis Chest** 1985 Apr;79(2):147-51

Significance of initial 'performance status' in patients receiving halfbody radiation. Jones PW, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1947-50

Endoscopic laser therapy in the palliative treatment of colorectal carcinoma. A case report. Mellow MH, et al. **J Okla State Med Assoc** 1984 Nov;77(11):383-6

Osteoarthritis. A new neurological method of pain control. Pybus PK. **Med Hypotheses** 1984 Aug;14(4):413-22

The treatment of cancer pain. Foley KM. **N Engl J Med** 1985 Jul 11;313(2):84-95 (124 ref.)

The palliation of esophageal cancer. Mannell A. **Surg Annu** 1985;17:249-70 (64 ref.)

Cancer of the pancreas: palliative operation, Whipple procedure, or total pancreatectomy. Longmire WP Jr. **World J Surg** 1984 Dec;8(6):872-9

Surgical palliation of unresectable carcinoma of the pancreas. Sarr MG, et al. **World J Surg** 1984 Dec;8(6):906-18

[Initial experiences with simultaneous combined radiation and cytostatic chemotherapy in the modification of intractable pain by inoperable tumor growth in the ENT area] Abresch HL, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Mar;64(3):136-8 (Eng. Abstr.) **(Ger)**

[Synchronization therapy as a palliative measure in incurable head and neck tumors] Ganzer U. **Laryngol Rhinol Otol (Stuttg)** 1985 Jan;64(1):21-4 (Eng. Abstr.) **(Ger)**

[Palliative surgery of tumors of the gastrointestinal tract] Akovbiantz A, et al. **Ther Umsch** 1984 Sep;41(9):634-9 (27 ref.) (Eng. Abstr.) **(Ger)**

[Palliative surgical therapy of incurable esophagus cancer by stomach bypass and endotube] Dzieniszewski GP, et al. **Zentralbl Chir** 1984;109(24):1550-9 (Eng. Abstr.) **(Ger)**

[15 years' experiences with cryosurgical treatment of rectal cancer] Knoch HG. **Zentralbl Chir** 1985;110(2-3):155-8 (Eng. Abstr.) **(Ger)**

[Cryosurgery in inoperable rectal cancer] Theiss R, et al. **Zentralbl Chir** 1985;110(2-3):142-6 (Eng. Abstr.) **(Ger)**

TRENDS

[Palliative care: yesterday and tomorrow] Beauvais J. **Union Med Can** 1984 Nov;113(11):936-7 **(Fre)**

PALLOR

ETIOLOGY

Pallid syncope (reflex anoxic seizures) [editorial] Bower BD. **Arch Dis Child** 1984 Dec;59(12):1118-9

The child with pallor. Wong HB. **J Singapore Paediatr Soc** 1984;26(1-2):30-4

PALMITATES see under **PALMITIC ACIDS**

PALMITIC ACIDS

Dipalmitoylphosphatidylcholine-palmitic acid phase diagram studied by 13C nuclear magnetic resonance. Kohn AB, et al. **Chem Phys Lipids** 1985 May;37(2):143-53

Immobilization of alpha-chymotrypsin on sucrose stearate--palmitate containing liposomes. Bogdanov AA, et al. **FEBS Lett** 1984 Sep 17;175(1):178-82

ANALYSIS

Isolation and structural analysis of two lipid A precursors from a KDO deficient mutant of Salmonella typhimurium differing in their hexadecanoic acid content. Hansen-Hagge T, et al. **Arch Microbiol** 1985 May;141(4):353-8

[Presence of covalently bound fatty acids in lipid-free human erythrocyte membrane proteins] Zdebska E. **Acta Haematol Pol** 1984 Jul-Dec;15(3-4):171-3 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

Hybridization studies of chicken liver fatty acid synthetase. Evidence for the participation in palmitate synthesis of cysteine and phosphopantetheine sulfhydryl groups on adjacent subunits. Wang YS, et al. **J Biol Chem** 1984 Nov 25;259(22):13644-7

BLOOD

The biosynthesis and fatty acid acylation of the murine erythrocyte sialoglycoproteins. Dolci ED, et al. **J Biol Chem** 1985 Sep 5;260(19):10728-35

Plasma palmitate turnover in subjects with thermal injury. Galster AD, et al. **J Trauma** 1984 Nov;24(11):938-45

DIAGNOSTIC USE

omega-123I-hexadecanoic acid metabolic probe of cardiomyopathy. Rabinovitch MA, et al. **Eur J Nucl Med** 1985;10(5-6):222-7

Synthesis of high purity 11C labeled palmitic acid for measurement of regional myocardial perfusion and metabolism. Zielinski F, et al. **Int J Nucl Med Biol** 1984; 11(2):121-8

15(p-[123I]Iodophenyl)pentadecanoic acid as tracer of lipid metabolism: comparison with [1-14C]palmitic acid in murine tissues. Reske SN, et al. **J Nucl Med** 1984 Dec; 25(12):1335-42

ISOLATION & PURIFICATION

Isolation and characterization of palmitoylpentachlorophenol from human fat. Ansari GA, et al. **Bull Environ Contam Toxicol** 1985 May;34(5):661-7

METABOLISM

A radioisotopic technique for analysis of free fatty acid reesterification in human adipose tissue. Leibel RL, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E140-7

Computer simulation of metabolism in palmitate-perfused rat heart. I. Palmitate oxidation. Kohn MC, et al. **Ann Biomed Eng** 1983;11(5):361-84

Computer simulation of metabolism in palmitate-perfused rat heart. III. Sensitivity analysis. Kohn MC. **Ann Biomed Eng** 1983;11(6):533-49

Computer simulation of metabolism in palmitate-perfused rat heart. II. Behavior of complete model. Kohn MC, et al. **Ann Biomed Eng** 1983;11(6):511-31 (66 ref.)

An autoradiographic study of the in-vivo incorporation of [3H]-palmitic acid into the dentine and enamel lipids of rat incisors, with a comparison of rapid-freezing freeze-substitution fixation and aldehyde fixation. Goldberg M, et al. **Arch Oral Biol** 1984;29(9):691-5

Kinetics of cellular uptake of tracers used in myocardial scintigraphy. Rauch B, et al. **Basic Res Cardiol** 1985;80 Suppl 1:65-8

In vivo incorporation of palmitic acid and galactose in glycolipids of Trypanosoma cruzi epimastigotes. de Lederkremer RM, et al. **Biochem Int** 1985 Jan;10(1):79-88

Effect of D-galactosamine in vitro on [U-14C]palmitate oxidation, triacylglycerol synthesis and secretion in isolated hepatocytes. Mangeney M, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):119-27

Incorporation of [3H]palmitate and [14C]choline into disaturated phosphatidylcholines in rat alveolar macrophages. Miles PR, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):342-50

Reciprocal effects of energy utilization on palmitate oxidation and esterification in hepatocytes of fed rats. Zaleski J, et al. **Biochim Biophys Acta** 1985 Aug 22;836(1):134-42

Palmitate oxidation in suspended skeletal muscle fibers from the rat. Zuurveld JG, et al. **Biochim Biophys Acta** 1984 Oct 24;796(1):34-41

The effect of abomasal infusion of casein on acetate, palmitate and glucose kinetics in cows during early lactation. König BA, et al. **Br J Nutr** 1984 Sep;52(2):319-28

The effect of D-carnitine on palmitate oxidation in cultured fibroblasts. Mitchell G, et al. **Clin Chim Acta** 1984 Oct 29;143(1):23-7

The metabolism of palmitic acid in the fetal lamb. Christie WW, et al. **Comp Biochem Physiol [B]** 1985;80(3):617-21

Synthesis of chain elongated-desaturated fatty acids from palmitic acid by liver and brain microsomes during the development of the pig. Clandinin MT, et al. **Comp Biochem Physiol [B]** 1985;81(1):53-4

Studies on the attachment of myristic and palmitic acid to cell proteins in human squamous carcinoma cell lines: evidence for two pathways. McIlhinney RA, et al. **EMBO J** 1985 May;4(5):1145-52

The transfer of myristic and other fatty acids on lipid and viral protein acceptors in cultured cells infected with Semliki Forest and influenza virus. Schmidt MF. **EMBO J** 1984 Oct;3(10):2295-300

Do iodinated fatty acids undergo a nonspecific deiodination in the myocardium? Cuchet P, et al. **Eur J Nucl Med** 1985; 10(11-12):505-10

Skeletal muscle fibers in suspension: a new approach to the study of oxidative and glycolytic metabolism in differentiated muscle. Zuurveld JG, et al. **Int J Biochem** 1984;16(11):1107-14

Retention and clearance of C-11 palmitic acid in ischemic and reperfused canine myocardium. Schwaiger M, et al. **J Am Coll Cardiol** 1985 Aug;6(2):311-20

In vitro acylation of rat gastric mucus glycoprotein with [3H]palmitic acid. Slomiany BL, et al. **J Biol Chem** 1984 Oct 10;259(19):11997-2000

The contribution of myofibers and fibrocytes to palmitate oxidation in skeletal muscle. Zuurveld JG, et al. **J Neurol Sci** 1985 Mar;67(3):337-43

Metabolism of palmitate in cultured rat Sertoli cells. Jutte NH, et al. **J Reprod Fertil** 1985 Mar;73(2):497-503

Membrane interactions of simian virus 40 large T-antigen: influence of protein sequences and fatty acid acylation. Klockmann U, et al. **Mol Cell Biol** 1984 Aug;4(8):1542-50

Enhanced utilization of 14-methylhexadecanoic acid for the synthesis of lipids during the growth of Walker 256 carcinoma in rats. Tuháčková Z, et al. **Neoplasma** 1985; 32(3):323-34

Defective [U-14 C] palmitic acid oxidation in Duchenne muscular dystrophy. Carroll JE, et al. **Neurology** 1985 Jan; 35(1):96-7

[Renal metabolism of palmitate during the perinatal period in the rat] Delaval E, et al. **Reprod Nutr Dev** 1985; 25(1B):333-4 **(Fre)**

[Use of several precursors for in vivo lipid synthesis in different animal organs and tissues in the neonatal period] Snitinskiĭ VV, et al. **Biokhimiia** 1984 Oct;49(10):1656-60 (Eng. Abstr.) **(Rus)**

[Oxidation in vivo of glucose, palmitate, alanine and leucine in the pig during the neonatal period] Snitinskiĭ VV, et al. **Ukr Biokhim Zh** 1985 Mar-Apr;57(2):90-2 (Eng. Abstr.) **(Rus)**

[In vitro oxidation of [U-14C] palmitate, [1-14C] and [6-14C] glucose in newborn and adult rats and pigs] Snitinskiĭ VV, et al. **Zh Evol Biokhim Fiziol** 1985 Jan-Feb;21(1):86-8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Recovery of ventricular function in reperfused ischemic rat hearts exposed to fatty acids. Ichihara K, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):H492-7

Reconstitution of the lipid-depleted pyruvate oxidase system of Escherichia coli: the palmitic acid effect. Kiuchi K, et al. **Arch Biochem Biophys** 1984 Sep;233(2):776-84

Effects of dietary saturated or unsaturated fatty acids and calcium levels on performance and mineral metabolism of broiler chicks. Atteh JO, et al. **Poult Sci** 1984 Nov; 63(11):2252-60

[Effect of palmitate on energy coupling in lymphocyte mitochondria] Bakeeva LE, et al. **Biokhimiia** 1985 May; 50(5):774-81 (Eng. Abstr.) **(Rus)**

PALMITOYL COA HYDROLASE see under **THIOLESTER HYDROLASES**

PALMITOYL COENZYME A see under **ACYL COENZYME A**

PALMITOYLCARNITINE see under **CARNITINE**

PALPATION

Temperature assessment by parental palpation [letter] Ernst TN, et al. **Am J Dis Child** 1985 Jun;139(6):546-7

Self-examination of the cervix in premature labor prevention [letter] Goodlin RC. **Am J Obstet Gynecol** 1985 Mar 1; 151(5):703-4

Improving frequency and proficiency of breast self-examination: effectiveness of an education program. Mamon JA, et al. **Am J Public Health** 1985 Jun; 75(6):618-24

Physicians and the teaching of breast self-examination: implications from a survey at a university teaching hospital. O'Malley MS, et al. **Am J Public Health** 1985 Jun; 75(6):673-5

Importance of deep abdominal palpation in the perinatal diagnosis of urologic malformations. Brion L, et al. **Biol Neonate** 1984;46(5):215-9

Serum level of prostatic acid phosphatase after diagnostic rectal examination. Comparison between spectrophotometric and a radioimmunological assay. Grenabo L, et al. **Br J Urol** 1984 Apr;56(2):213-6

Older women's attitudes towards breast disease, self examination, and screening facilities: implications for communication. Leathar DS, et al. **Br Med J [Clin Res]** 1985 Mar 2;290(6469):668-70

Self-examination in the early detection of breast cancer: memorandum from a WHO meeting. **Bull WHO** 1984; 62(6):861-9

Breast self-examination: a call for scientific answers. Del Greco L, et al. **Can J Public Health** 1984 Nov-Dec; 75(6):425-8

Breast self-examination: importance of technique in early diagnosis. Hislop TG, et al. **Can Med Assoc J** 1984 Dec 1;131(11):1349-52

The effects of breast self-examination in a population-based cancer registry. A report of differences in extent of disease. Smith EM, et al. **Cancer** 1985 Jan 15;55(2):432-7

Breast self-examination among diagnosed breast cancer patients. Taylor SE, et al. **Cancer** 1984 Dec 1; 54(11):2528-32

Palpable spleens in newborn term infants. Mimouni F, et al. **Clin Pediatr (Phila)** 1985 Apr;24(4):197-8

Workload involved in routine breast examination and instruction in breast self-examination in the primary care clinic. Sofer T, et al. **Fam Pract** 1984 Sep;1(3):178-81

Screening for breast cancer in Hawaii--further implications. Goodman MJ, et al. **Hawaii Med J** 1984 Oct;43(10):356-61

Impact of breast self-examination planned educational messages on social network communications: an exploratory study. Gravell J, et al. **Health Educ Q** 1985 Spring;12(1):51-64

Factors affecting the nurse as a teacher and practicer of breast self-examination. Edgar L, et al. **Int J Nurs Stud** 1984; 21(4):255-65

ROC analysis of mammography and palpation for breast screening. Gohagan JK, et al. **Invest Radiol** 1984 Nov-Dec; 19(6):587-92

Sonography in palpable breast tumours. Comparison with palpation, thermography and X-ray mammography. Laine H, et al. **J Belge Radiol** 1985;68(1):5-8

Self-examination in the early detection of breast cancer. A review of the evidence, with recommendations for further research. Miller AB, et al. **J Chronic Dis** 1985;38(6):527-40

Effect of a breast examination teaching unit in physical diagnosis on medical students' practices. Smith IK, et al. **J Med Educ** 1985 Sep;60(9):730-3

Physicians' abilities to detect lumps in silicone breast models. Fletcher SW, et al. **JAMA** 1985 Apr 19;253(15):2224-8

Breast self-examination in young women: more harm than good? Frank JW, et al. **Lancet** 1985 Sep 21;2(8456):654-7

Breast self-examination [letter] Haran D, et al. **Lancet** 1984 Oct 27;2(8409):988

Breast self-examination [letter] Harris WG, et al. **Lancet** 1984 Nov 24;2(8413):1214

Breast masses: screening and management. Elias EG. **Md Med J** 1985 Jul;34(7):642-3

Rectal carcinoma: digital examination [letter] Barkhouse D. **Med J Aust** 1985 Apr 29;142(9):531

Promotion of breast self-examination in South Australia. A short-term evaluation. Roder D, et al. **Med J Aust** 1985 Jan 7;142(1):9-11

Early diagnosis of testicular carcinoma: self-examination of the testicle. Anderson EE. **NC Med J** 1985 Jul;46(7):407-9

Ingredients of survival: breast self-examination. Nichols GP. **Obstet Gynecol** 1985 Feb;65(2):295-6

Self-examination by adolescents. Goldbloom RB. **Pediatrics** 1985 Jul;76(1):126-8

Breast self-examination. Marks M. **Practitioner** 1985 Mar; 229(1401):225-7, 229

Real-time pelvic ultrasonography as an adjunct to digital examination. Bluth EI, et al. **Radiology** 1984 Dec; 153(3):789-90

Breast cancer screening: the underuse of mammography. Fox S, et al. **Radiology** 1985 Sep;156(3):607-11

A simple method for identifying and testing the recurrent laryngeal nerve. James AG, et al. **Surg Gynecol Obstet** 1985 Aug;161(2):185-6

Therapeutic pelvic examination [letter] Lombard C. **West J Med** 1985 May;142(5):698-9

More on pains cured by examination [letter] Schneiderman H, et al. **West J Med** 1985 Jan;142(1):102

[Palpation of multinodular breasts indicates the presence of adipose lobules in 1 case out of 2] Gordenne W, et al. **J Belge Radiol** 1984;67(2):109-11 (Eng. Abstr.) **(Fre)**

[Attitudes and practices of Vaud women concerning the self examination of breasts] Huguenin M, et al. **Soz Praventivmed** 1985;30(3):157-61 (Eng. Abstr.) **(Fre)**

[Self-palpation in the early diagnosis of breast tumors: the role of the gynecologist] Maggi R, et al. **Ann Ostet Ginecol Med Perinat** 1984 Jul-Aug;105(4):253-9 (Eng. Abstr.) **(Ita)**

[Means of improving the active diagnosis of breast cancer] Sagaidak VN, et al. **Vopr Onkol** 1985;31(1):88-92 (Eng. Abstr.) **(Rus)**

METHODS

Predictors of proficient technique and successful lesion detection in breast self-examination. Alagna SW, et al. **Health Psychol** 1984;3(2):113-27

[A practice phantom for learning rectal digital examination] Klug W, et al. **Zentralbl Chir** 1985;110(11):695-8 **(Ger)**

VETERINARY

[Comparison of the diagnostic possibilities of palpation of the abdominal cavity and ear acupuncture in diseases of the gastrointestinal tract in dogs] Still J, et al. **Vet Med (Praha)** 1985 Jul;30(7):425-31 (Eng. Abstr.) **(Cze)**

2-PAM COMPOUNDS see **PRALIDOXIME COMPOUNDS**

PAMPHLETS

Self-help smoking cessation and maintenance programs: a comparative study with 12-month follow-up by the American Lung Association. Davis AL, et al. **Am J Public Health** 1984 Nov;74(11):1212-7

Evaluation of a pamphlet on genetic counseling services for couples obtaining a marriage license. Peterson AG, et al. **Birth Defects** 1984;20(6):157-68

Readability of literature written for cardiac patients. Conroy RM, et al. **Clin Cardiol** 1985 Feb;8(2):104-6

The readability of health-care literature. Nicoll A, et al. **Dev Med Child Neurol** 1984 Oct;26(5):596-600

Sodium pamphlet available. **FDA Drug Bull** 1984 Aug; 14(2):20

Immediate and delayed effects of postal advice on stopping smoking. Ledwith F. **Health Bull (Edinb)** 1984 Nov; 42(6):332-44

Psychological preparation as a method of reducing the stress of surgery. Wallace LM. **J Human Stress** 1984 Summer; 10(2):62-77

Patient education re: nuclear war [letter] Cohen DA. **JAMA** 1985 Mar 22-29;253(12):1721

Breast self-examination [letter] Haran D, et al. **Lancet** 1984 Oct 27;2(8409):988

Hysterectomy advice [letter] Crowley J. **NZ Med J** 1985 Jul 24;98(783):609

[Information help for the care of children with chronic diseases with special reference to written materials] Gottschalk B, et al. **Arztl Jugendkd** 1984 Oct;75(5):308–15 (Eng. Abstr.) **(Ger)**

PAN see **CHIMPANSEE TROGLODYTES**

PAN AMERICAN HEALTH ORGANIZATION

A retrospective study of the PAHO fellowships program in the Caribbean, 1970–1979. Lockett BA, et al. **Bull Pan Am Health Organ** 1984;18(3):281–7

[Uses and perspectives of epidemiology (editorial)] Guerra de Macedo C. **Educ Med Salud** 1984;18(3):233–5 **(Spa)**

PANAX see **GINSENG**

PANCOAST'S SYNDROME

Pancoast's tumour. Palit T. **J Indian Med Assoc** 1984 Jun; 82(6):208–9

COMPLICATIONS

Results up to death in the treatment of persistent cervico-thoracic (Pancoast) and thoracic malignant pain by unilateral percutaneous cervical cordotomy. Ischia S, et al. **Pain** 1985 Apr;21(4):339–55

[Hyperhidrosis over the third intercostal nerve territory--an observation in a case of Pancoast syndrome] Saito H, et al. **Rinsho Shinkeigaku** 1985 Jan;25(1):46–9 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Cervical approach for percutaneous needle biopsy of Pancoast tumors. Paulson DL, et al. **Ann Thorac Surg** 1985 Jun;39(6):586–7

ETIOLOGY

[A case of Pancoast's syndrome induced by small cell carcinoma] Mizoguchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Sep;22(9):800–3 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Pancoast's tumour (superior pulmonary sulcus tumour). Bennett R. **Aust Fam Physician** 1984 Oct;13(10):775–6

[Computed tomography of apical lung cancer] Triller J, et al. **ROFO** 1985 Jun;142(6):658–63 (Eng. Abstr.) **(Ger)**

SURGERY

Pancoast's tumor [letter] Chardack WM. **Ann Thorac Surg** 1985 Jan;39(1):96

PANCREAS

Pancreatic heterotopia in the presence of Crohn's disease. Chester JF. **Br J Clin Pract** 1985 Jan;39(1):35–6

Therapy of exocrine and endocrine pancreatic insufficiency. Lankisch PG, et al. **Clin Gastroenterol** 1984 Sep; 13(3):985–99 (92 ref.)

Pancreas preservation with TP-IV: a hyperosmolar colloid solution. Toledo-Pereyra LH, et al. **Cryobiology** 1985 Feb; 22(1):40–6

A method for isolation of islets of Langerhans from the human pancreas. Gray DW, et al. **Diabetes** 1984 Nov; 33(11):1055–61

Abstracts of papers submitted to the American Pancreatic Association. November 8 and 9, 1984, Chicago, Illinois. **Dig Dis Sci** 1984 Oct;29(10):939–74

The pancreas, nutrition, and cystic fibrosis: how do we ask the right questions? Patrick J. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S163–6

Symptomatic gastroduodenal pancreatic rest in children. Mollitt DL, et al. **J Pediatr Surg** 1984 Aug;19(4):449–50

Intralobar pulmonary sequestration of ectopic pancreatic tissue with gastropancreatic duplication. Corrin B, et al. **Thorax** 1985 Aug;40(8):637–8

Urethral verumontanal polyp: evidence of prostatic origin. Fan K, et al. **Urology** 1984 Nov;24(5):499–501

[Heterotopic pancreas tissue as a rare cause of recurrent stomach bleeding] Aalders GJ, et al. **Ned Tijdschr Geneeskd** 1984 Sep 29;128(39):1848–50 (Eng. Abstr.) **(Dut)**

[Acute intestinal invagination secondary to the presence of an aberrant pancreas in an infant] Serour F, et al. **Chir Pediatr** 1985;26(1):51–2 (Eng. Abstr.) **(Fre)**

[Pancreatic heterotopia with ampullar localization, a differential diagnosis of ampulloma (letter)] Grandjouan S, et al. **Gastroenterol Clin Biol** 1985 May;9(5):457–8 **(Fre)**

[A case of accessory pancreas in the gastric wall simulating a neoplasm] Owczarczyk B, et al. **Wiad Lek** 1984 Sep 1; 37(17):1363–6 (Eng. Abstr.) **(Pol)**

[Surgical tactics in an accessory pancreas] Shalimov SA, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):20–2 (Eng. Abstr.) **(Rus)**

[Dystopic pancreas in the gastric and duodenal wall] Ponomarev AA. **Sov Med** 1984;(8):39–44 (94 ref.) **(Rus)**

[Ectopic tissue of the pancreas in the major duodenal papilla] Edemskil AI. **Vestn Khir** 1985 May;134(5):71–2 **(Rus)**

[Inflammation of ectopic pancreatic tissue] Titov RI, et al. **Vestn Khir** 1984 Nov;133(11):76–7 **(Rus)**

ABNORMALITIES

Pancreas divisum with pancreatitis and pseudocyst. Gold RP, et al. **AJR** 1984 Dec;143(6):1343–4

Pancreas divisum. Detection and management. Madura JA, et al. **Am Surg** 1985 Jun;51(6):353–7

Accessory sphincterotomy (endoscopic and surgical) in patients with pancreas divisum. Russell RC, et al. **Br J Surg** 1984 Dec;71(12):954–7

Pancreas divisum. A cause of chronic relapsing pancreatitis. Marshall JB, et al. **Dig Dis Sci** 1985 Jun;30(6):582–7

Coexistence of annular pancreas and pancreas divisum--ERCP diagnosis. Lehman GA, et al. **Gastrointest Endosc** 1985 Feb;31(1):25–8

An improved technique for accessory papilla cannulation in pancreas divisum. O'Connor KW, et al. **Gastrointest Endosc** 1985 Feb;31(1):13–7

Congenital short pancreas: a report of two cases. Gilinsky NH, et al. **Gut** 1985 Mar;26(3):304–10

Pancreatic insufficiency in cystic fibrosis: result of defect in ontogenesis of the exocrine pancreas. Lebenthal E. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S51–4

Cholangio-venous reflux as a cause of recurrent hyperamylasemia in choledochal dilatation with anomalous pancreaticobiliary ductal union: an experimental study. Ohkawa H, et al. **J Pediatr Surg** 1985 Feb;20(1):53–7

Pancreas divisum: a cause of pancreatitis in childhood. Yedlin ST, et al. **J Pediatr Surg** 1984 Dec;19(6):793–4

Syndrome of externally bilobed lungs with normal bronchial branch pattern, congenital heart disease, multiple spleens, intestinal malrotation and short pancreas: an apparently hitherto undefined malformation complex. Hatayama C, et al. **Pediatr Pathol** 1984;2(2):127–33

Recurrent pseudocysts and pancreatitis after trauma: a complication of pancreas divisum. Cobb BW, et al. **Surgery** 1985 May;97(5):626–9

Intralobar pulmonary sequestration of ectopic pancreatic tissue with gastropancreatic duplication. Corrin B, et al. **Thorax** 1985 Aug;40(8):637–8

[Annular pancreas in newborn infants] Snajdauf J. **Rozhl Chir** 1985 Apr;64(4):284–7 (Eng. Abstr.) **(Cze)**

[Chronic pancreatitis and pancreas divisum. Apropos of 3 cases treated surgically] Bousquet R, et al. **Chirurgie** 1984; 110(4):425–9 (Eng. Abstr.) **(Fre)**

[Radiology in the diagnosis of complicated forms of annular pancreas in adults] Bernard C, et al. **J Radiol** 1984 Dec; 65(12):839–43 (Eng. Abstr.) **(Fre)**

[Recurrent pancreatitis and pancreas divisum: surgical treatment using double sphincteroplasty] Meurisse M, et al. **Rev Med Liege** 1985 Jan 1;40(1):14–9 **(Fre)**

[Annular pancreas in the adult (clinical study)] Amenta E, et al. **Chir Ital** 1983 Oct;35(5):771–7 (Eng. Abstr.) **(Ita)**

[A case of aplasia of the pancreatic body and tail] Koseki H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jul; 81(7):1647–51 **(Jpn)**

[A case of agenesis of the pancreatic tail] Oikawa Y, et al. **Rinsho Hoshasen** 1984 Jul;29(7):817–9 (Eng. Abstr.) **(Jpn)**

[Bleeding duodenal ulcer associated with annular pancreas] Kaltaev KK. **Klin Med (Mosk)** 1985 Mar;63(3):113–4 **(Rus)**

ANALYSIS

Analysis of marine sediment and lobster hepatopancreas reference materials by instrumental photon activation. Landsberger S, et al. **Anal Chem** 1985 Jan;57(1):196–203

Demonstration of insulin in the pancreas of the Didelphis albiventris (opossum) by immunocytochemical techniques. Coutinho HB, et al. **Anat Anz** 1984;157(2):167–75

Immunohistochemical demonstration of somatostatin in the pancreas of fetal and adult sheep. Reddy S, et al. **Aust J Biol Sci** 1984;37(1–2):25–9

Evidence for a precursor for TRH in the neonatal rat pancreas. Ouafik LH, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):664–9

Purification and characterization of pancreatic colipase from the dogfish (Squalus acanthius). Sternby B, et al. **Biochim Biophys Acta** 1984 Sep 11;789(2):159–63

Immunoreactive pancreatic colipase, lipase and phospholipase A2 in human plasma and urine from healthy individuals. Sternby B, et al. **Biochim Biophys Acta** 1984 Sep 11;789(2):164–9

Proton microprobe analysis of pancreatic beta-cells. Lindh U, et al. **Biomed Biochim Acta** 1985;44(1):55–61

Coexistence of PP- and glucagon-like-immunoreactivity in endocrine cells of gut and pancreas of mouse and a stomachless fish Barbus conchonius. Rombout JH, et al. **Cell Biol Int Rep** 1985 Jun;9(6):520

Influence of a transplantable insulinoma on the pancreatic status of insulin and pancreatic polypeptide in the rat. O'Hare MM, et al. **Diabetologia** 1985 Mar;28(3):157–60

Evidence that the [3H]estradiol-binding protein in pancreas is localized in exocrine cells. Grossman A, et al. **Endocrinology** 1985 Jun;116(6):2221–6

Glicentin is present in the pig pancreas. Sheikh SP, et al. **FEBS Lett** 1985 Jan 1;179(1):1–6

Isolation and chemical characterization of glicentin C-terminal hexapeptide in porcine pancreas. Yanaihara C, et al. **FEBS Lett** 1985 Sep 9;189(1):50–6

Insulin-like immunoreactivity in serum and pancreas of metamorphosing tadpoles. Hulsebus J, et al. **Gen Comp Endocrinol** 1985 Apr;58(1):114–9

Regional distribution of pancreatic polypeptide and other hormones in chicken pancreas: reciprocal relationship between pancreatic polypeptide and glucagon. Tomita T, et al. **Gen Comp Endocrinol** 1985 May;58(2):303–10

Detection of HBs-Ag in the pancreas in cases of pancreatic carcinoma. Hohenberger P. **Hepatogastroenterology** 1984 Oct;31(5):239–41

Endogenous lectins of bovine pancreas. Gabius HJ, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jun;365(6):633–8

Analysis of pancreatic peptide hormones by reversed-phase high-performance liquid chromatography. Knip M. **Horm Metab Res** 1984 Sep;16(9):487–91

Isolation and structures of glucagon and glucagon-like peptide from catfish pancreas. Andrews PC, et al. **J Biol Chem** 1985 Apr 10;260(7):3910–4

One-step isocratic high-performance liquid chromatographic purification of radioiodinated and radioiodinated-photoactivable derivatives of cholecystokinin. Svoboda M, et al. **J Chromatogr** 1984 Jul 27;296:199–211

Immunolocalization of prealbumin: distribution in normal human tissue. Liddle CN, et al. **J Pathol** 1985 Jun; 146(2):107–13

Further characterization of the estrogen binding macromolecule in human pancreas. Pousette A, et al. **J Steroid Biochem** 1985 Jul;23(1):115–9

TRH and TRH-OH in the pancreas of adult and newborn rats. Dutour A, et al. **Life Sci** 1985 Jul 15;37(2):177–83

Assay for the cholecystokinin receptor on pancreatic acini. Jensen RT, et al. **Methods Enzymol** 1985;109:64–9

Characterization of alpha-melanocyte-stimulating hormone in rat pancreas. Hirsch MD, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):293–6

An unusual bovine pancreatic protein exhibiting pH-dependent globule-fibril transformation and unique amino acid sequence. Gross J, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5627–31

Solubilization and characterization of CCK receptors from mouse pancreas. Szecòwka J, et al. **Regul Pept** 1985 Mar; 10(2–3):71–83

Effectiveness of aprotinin in blocking a hypotensive factor of pancreatic origin from the pig, dog and monkey. Traverso LW. **Resuscitation** 1985 Mar;12(4):271–7

Insulin, glucagon and somatostatin content of the non-obese diabetic (NOD) mouse pancreas and plasma virus antibodies to Coxsackie B- and reoviruses. Tasaka Y, et al. **Tohoku J Exp Med** 1985 Jun;146(2):153–62

[A comparative study on the effect of vagotomy and splanchnicectomy on the catecholamine content of the stomach, duodenum and pancreas] Hamaji M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Apr;82(4):587–91 (Eng. Abstr.) **(Jpn)**

[Distribution of gut hormones in the canine gastrointestinal tract and pancreas] Minoda S. **Nippon Shokakibyo Gakkai Zasshi** 1984 Sep;81(9):1962–71 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Relation between pancreatic growth and blood flow. Harper SL, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G61–7

Anatomoclinical and anatomosurgical essay on the lymphatic circulation of the pancreas. Pissas A. **Anat Clin** 1984; 6(4):255–80

Scanning electron microscopy of the rat exocrine pancreas. Takahashi H. **Arch Histol Jpn** 1984 Oct;47(4):387–404

Endoscopic ultrasonography: a preliminary report. Thatcher BS, et al. **Gastrointest Endosc** 1985 Aug;31(4):237–42

Immunocytochemical study of gastro-entero-pancreatic (GEP) endocrine cells in the vampire bat (Desmodos rotundus). Yamada J, et al. **Gegenbaurs Morphol Jahrb** 1984;130(6):845–56

Ultrasonic backscatter from mammalian tissues. Fei DY, et al. **J Acoust Soc Am** 1985 Sep;78(3):871–6

Effect of chemically defined formula diets on pancreatic mass in the rat. Callegari C, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun;9(3):334–8

Echographic measurement of normal Chinese pancreas. Ker CG, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Nov; 83(11):1094–104

[The left lateroportal lamina of the pancreas or left retropancreatic lamina] Pissas A. **J Chir (Paris)** 1985 Jan; 122(1):9–15 (Eng. Abstr.) **(Fre)**

[Clinical and surgical anatomy of the lymphatic circulation of pancreas] Pissas A. **J Chir (Paris)** 1984 Oct; 121(10):557–71 (Eng. Abstr.) **(Fre)**

[Craniocaudad extension of the head of the pancreas] Pochhammer KF, et al. **Digitale Bilddiagn** 1984 Sep; 4(3):118–20 (Eng. Abstr.) **(Ger)**

[Techniques of ultrasonic pancreatic examination] Mizuno T. **Rinsho Hoshasen** 1985 Jan;30(1):81–2 **(Jpn)**

BLOOD SUPPLY

Pheochromocytoma supplied by the dorsal pancreatic artery. Miller DL, et al. **AJR** 1985 Aug;145(2):385–6

Contribution of prostaglandins to dopamine actions in the pancreas of anesthetized dogs. Iwatsuki K, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G110–7

Pancreatic blood flow in the rat during enlargement, involution, and cholecystokinin treatment. Oates PS, et al.

Am J Physiol 1984 Nov;247(5 Pt 1):G457–62

Experimental ischemic pancreatitis: treatment with albumin. Sanfey H, et al. **Am J Surg** 1985 Sep;150(3):297–300

Surface densities of diaphragmed fenestrae and transendothelial channels in different murine capillary beds. Milici AJ, et al. **Circ Res** 1985 May;56(5):709–17

The pancreas. Lunderquist A. **Clin Gastroenterol** 1985 Apr; 14(2):355–69

The blood flow to the pancreas and the islets of Langerhans during an intraperitoneal glucose load in the rat. Jansson L. **Diabetes Res** 1984 Jul;1(2):111–4

Long-term effects of psychoemotional stress and tread-mill exercise on the microcirculatory system of rats. Herrmann HJ, et al. **Exp Pathol** 1984;26(3):171–8

Neuroeffector transmission of the hepatic and pancreatico-duodenal isolated arteries of the dog. Varga G, et al. **Gastroenterology** 1984 Nov;87(5):1056–63

Endoscopic diagnosis of pseudohemobilia resulting from a pancreaticoduodenal artery pseudoaneurysm. Ibrahim MA, et al. **Gastrointest Endosc** 1984 Dec;30(6):347–9

Insulin and glucagon release from the ventral and dorsal parts of the perfused pancreas of the rat. Effects of glucose, arginine, glucagon and carbamylcholine. Leclercq-Meyer V, et al. **Horm Res** 1985;21(1):19–32

Distribution of sialoglycoconjugates on the luminal surface of the endothelial cell in the fenestrated capillaries of the pancreas. Muresan V, et al. **J Histochem Cytochem** 1985 May;33(5):474–6

Effects of indomethacin on blood flow in the normal pancreas in conscious dogs. Studley JG, et al. **J Surg Res** 1984 Dec; 37(6):464–6

True aneurysm of the pancreaticoduodenal artery: a case report and review of the literature. Gangahar DM, et al. **J Vasc Surg** 1985 Sep;2(5):741–2

Effect of synthetic neuromedin C, a decapeptide of gastrin-releasing peptide (GRP [18–27]), on blood flow and exocrine secretion of the pancreas in dogs. Hosotani R, et al. **Life Sci** 1985 Jun 24;36(25):2429–34

Partial chemical characterization of the anionic sites in the basal lamina of fenestrated capillaries. Simionescu M, et al. **Microvasc Res** 1984 Nov;28(3):352–67

Ischemic injury of the human pancreas. Its basic patterns correlated with the pancreatic microvasculature. Takahashi T, et al. **Pathol Res Pract** 1985 May;179(6):645–51

A morphometric study of the endocrine and exocrine capillaries of the pancreas. Henderson JR, et al. **Q J Exp Physiol** 1985 Jul;70(3):347–56

Review of scanning electron and light microscopic methods in microcirculation research and their application in pancreatic studies. Ohtani O. **Scan Electron Microsc** 1984; (Pt 2):653–61

Pancreatic duct and microvascular permeability to macromolecules. The relation to acute pancreatitis. Reber HA. **Scand J Gastroenterol [Suppl]** 1985;112:96–100

[Anatomy of the pancreatic artery] Han ZY, et al. **Chung Hua Wai Ko Tsa Chih** 1985 May;23(5):290–2, 319 (Eng. Abstr.) **(Chi)**

[Arterial vascularization of the tail of the pancreas with special reference to the relation of the tail and body vessels] Ebner I, et al. **Acta Anat (Basel)** 1985;121(2):115–23 (Eng. Abstr.) **(Ger)**

[Blood vessels of the human caudal pancreatic segment] Brandt G. **Anat Anz** 1984;157(1):73–81 (Eng. Abstr.) **(Ger)**

[Hemorrhagic pancreatitis: effect of dextran 40 and plasma on microcirculation disorders of the pancreas] Becker H, et al. **Langenbecks Arch Chir** 1985;365(1):57–67 (Eng. Abstr.) **(Ger)**

[Isolated acinus cells in the significance of ischemia in the pathogenesis of acute pancreatitis] Letko G, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(4):216–24 (Eng. Abstr.) **(Ger)**

[Structural organization of the microcirculatory bed of the pancreas of the domestic cat] Iaglov VV, et al. **Arkh Anat Gistol Embriol** 1985 Jan;88(1):65–70 (Eng. Abstr.) **(Rus)**

[Diabetogenic action of alloxan in short-term termination of the blood supply to the pancreas and spleen] Ul'ianov AM, et al. **Biol Nauki** 1984;(8):48–51 (Eng. Abstr.) **(Rus)**

[Rupture of a pancreatic artery aneurysm into the left pleural cavity] Panasenko VI, et al. **Sov Med** 1984;(11):118–9 **(Rus)**

[Various characteristics of chronic ischemic pancreatitis] Abulov MKh, et al. **Ter Arkh** 1984;56(11):65–7 (Eng. Abstr.) **(Rus)**

[Characteristics of anti-ischemia protection of the small intestine and pancreas under experimental conditions] Kulik VP, et al. **Vestn Akad Med Nauk SSSR** 1985;(4):52–8 (Eng. Abstr.) **(Rus)**

[Morphofunctional changes in microvessels of the stomach and pancreas in early periods following selective vagotomy] Lopushenko OZ, et al. **Vrach Delo** 1985 Jun; (6):56–8 **(Rus)**

[Pancreatico-duodenal angiodysplasia associated with carcinoid of the pancreas] Sigler L, et al. **Rev Gastroenterol Mex** 1984 Apr-Jun;49(2):119–21 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Morphogenesis of adult pancreas in vitro. Tompa A, et al. **Acta Morphol Hung** 1984;32(3–4):207–15

Tumor promoter inhibition of cellular binding of somatostatin. Zeggari M, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):850–7

A new, rapid, method for preparation of dispersed pancreatic acini. Bruzzone R, et al. **Biochem J** 1985 Mar 1;226(2):621–4

Stimulation by calcium and carbamoylcholine of the ouabain-sensitive uptake of 86Rb+ in isolated rat pancreatic acinar cells. Lucas M, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):561–7

Insulin, via its own receptor, regulates growth and amylase synthesis in pancreatic acinar AR42J cells. Mössner J, et al. **Diabetes** 1985 Sep;34(9):891–7

Morphometrical and immunocytochemical characterization of peri-insular and tele-insular acinar cells in the rat pancreas. Bendayan M. **Eur J Cell Biol** 1985 Mar; 36(2):263–8

Detection of endocrine cells by immunofluorescence method in the gastroenteropancreatic system of the adult eel, glass-eel, and leptocephalic larva (Anguilla anguilla L.). L'Hermite A, et al. **Gen Comp Endocrinol** 1985 Jun; 58(3):347–59

The culture of human foetal pancreas as a method of tissue preservation: a quantitative immunocytochemical investigation. von Dorsche HH, et al. **Histochem J** 1985 May;17(5):552–4

Muscarinic acetylcholine receptor structure in acinar cells of mammalian exocrine glands. Hootman SR, et al. **J Biol Chem** 1985 Apr 10;260(7):4186–94

Electrogenic calcium transport in plasma membrane of rat pancreatic acinar cells. Bayerdörffer E, et al. **J Membr Biol** 1985;84(1):45–60

Preparation of dispersed pancreatic acinar cells and dispersed pancreatic acini. Gardner JD, et al. **Methods Enzymol** 1985; 109:288–93

Intermediate cells in the adult human pancreas. Contribution to the transformation of differentiated cells in vertebrates. Cossel L. **Virchows Arch [Cell Pathol]** 1984;47(4):313–88

DRUG EFFECTS

Long-term effect of somatostatin 14 on mouse stomach, antrum, intestine and exocrine pancreas. Senegas-Balas F, et al. **Acta Anat (Basel)** 1985;121(2):124–32

Ranitidine inhibits the trophic effect of caerulein on the pancreas in rats (preliminary data). Hidvégi E, et al. **Acta Physiol Hung** 1984;64(3–4):475–8

Might the cell damaging effect of alcohol be prevented by redox agents? Práger P, et al. **Acta Physiol Hung** 1984; 64(3–4):489–94

Effects of digitoxin and hypokalaemia on pancreatic NaHCO3 secretion and pancreatic Na,K-ATPase activity. Grotmol T, et al. **Acta Physiol Scand** 1985 May; 124(1):71–80

Effect of ioxaglate on the liver and pancreas following selective visceral angiography in man. Nilsson PE, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(5):395–400

Histamine H2-receptor agonists and antagonists on pancreatic exocrine secretion of the dog. Bertaccini G, et al. **Agents Actions** 1985 Apr;16(3–4):211–4

Phosphatidylinositol composition in pancreas and submaxillary gland of ethanol-fed rats. Cronholm T, et al. **Alcohol** 1985 Jan-Feb;2(1):183–6

Effects of proglumide on ductal and basolateral secretion of pancreatic digestive enzymes. Niederau C, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):G100–7

Dose-response effects of atropine on pancreatic response to secretin before and after truncal vagotomy. Singer MV, et al. **Am J Physiol** 1985 May;248(5 Pt 1):G532–8

Objective evaluation of ampullary stenosis with ultrasonography and pancreatic stimulation. Warshaw AL, et al. **Am J Surg** 1985 Jan;149(1):65–72

Effects of isosorbide dinitrate on pancreatic exocrine secretion in the dog. Yamagishi F, et al. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):306–13

Efficacy of pharmacologic glucagon in acute experimental pancreatitis. Eckhauser FE, et al. **Arch Surg** 1985 Mar; 120(3):355–60

Modulation of rat pancreatic muscarinic cholinergic receptors by caerulein. Delhaye M, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1057–63

Effect of ethanol on cholecystokinin-induced enzyme secretion from isolated rat pancreatic acini. Lewin MB, et al. **Biochem Pharmacol** 1984 Oct 15;33(20):3225–9

Irreversible inhibition by acetaldehyde of cholecystokinin-induced amylase secretion from isolated rat pancreatic acini. Sankaran H, et al. **Biochem Pharmacol** 1985 Aug 15;34(16):2859–63

The effects of gamma-hexachlorocyclohexane on amylase secretion and inositol phospholipid metabolism in mouse pancreatic acini. Crouch MF, et al. **Biochim Biophys Acta** 1985 Feb 21;844(2):149–57

Ouabain- and potassium-induced stimulation of amylase release in fragments and acini of rabbit pancreas. Kuijpers GA, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):454–62

Growth hormone secretion and pancreatic function following somatostatin infusion in ducks (Anas platyrhynchos). Strosser MT, et al. **Br Poult Sci** 1985 Jul;26(3):425–32

Redistribution of phospholipid/calcium-dependent protein kinase and altered phosphorylation of its soluble and particulate substrate proteins in phorbol ester-treated rat pancreatic acini. Wooten MW, et al. **Cancer Res** 1985 Aug; 45(8):3912–7

Electrophoretic and cytological evidence for heterogeneity of pancreatic acinar cell responsiveness to carbachol, caerulein and secretin. Phaneuf S, et al. **Cell Tissue Res** 1985;239(1):105–9

Effect of low-dose somatostatin infusion on pancreatic and gastric endocrine function in lean and obese nondiabetic human subjects. Schusdziarra V, et al. **Diabetes** 1985 Jun; 34(6):595–601

Effect of chronic ethanol consumption on the pancreas of the hamster. Weesner RE, et al. **Dig Dis Sci** 1985 Feb; 30(2):168–77

[Effect of a specific serine protease inhibitor on the rat pancreas. II. Influence of camostate on the endocrine pancreas. Göke B, et al. **Digestion** 1985;31(2–3):128–35

Effect of antigastrin (SC-15396) on amylase release and 2-deoxyglucose uptake in mouse pancreatic acini. Iwamoto Y, et al. **Digestion** 1985;31(1):31–6

The effects of soy flour and N-nitrosobis (2-oxopropyl) amine on the pancreas of the hamster. Hasdai A, et al. **Drug Nutr Interact** 1985;3(3):173–9

Acute and chronic pancreatitis. An update on management. Lankisch PG. **Drugs** 1984 Dec;28(6):554–64 (76 ref.)

Forskolin, an activator of adenylate cyclase, stimulates pancreatic insulin, glucagon, and somatostatin release in the dog: studies in vitro. Hermansen K. **Endocrinology** 1985 Jun;116(6):2251–8

Interaction of growth hormone-releasing factor (GRF) and 14 GRF analogs with vasoactive intestinal peptide (VIP) receptors of rat pancreas. Discovery of (N-Ac-Tyr1,D-Phe2)-GRF(1-29)-NH2 as a VIP antagonist. Waelbroeck M, et al. **Endocrinology** 1985 Jun; 116(6):2643–9

Studies on the effect of glucagon on human pancreatic secretion by analysis of endoscopically obtained pure pancreatic juice. Harada H, et al. **Gastroenterol Jpn** 1985 Feb;20(1):28–36

Effect of peptide YY on gastric, pancreatic, and biliary function in humans. Adrian TE, et al. **Gastroenterology** 1985 Sep;89(3):494–9

Comparative inhibitory effects of pirenzepine and atropine on cholinergic stimulation of exocrine and endocrine rat pancreas. Otsuki M, et al. **Gastroenterology** 1985 Aug; 89(2):408–14

Reduced inhibitory effect of somatostatin on the exocrine function of the pancreas and on serum insulin (IRI) levels in chronic relapsing pancreatitis. Czyżyk A, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:155–9

Different effects of prostaglandin E1, E2 and D2 on pancreatic somatostatin release. Nishi S, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:114–8

Pancreatic carcinogenic nitrosamines in Syrian hamsters. Pour PM, et al. **IARC Sci Publ** 1984;(57):683–8

Endocrine changes with infusion of propionate in the dairy cow. Peters JP, et al. **J Dairy Sci** 1984 Oct;67(10):2455–9

Effect of sodium saccharin on rat pancreatic enzyme secretion. Kondoh M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Dec;30(6):569–76

Permissive role of prostaglandins in the action of bradykinin on the pancreas of anesthetized dogs. Iwatsuki K, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):700–6

Stimulation of inositol trisphosphate accumulation and amylase secretion by caerulein in pancreatic acini. Rubin RP. **J Pharmacol Exp Ther** 1984 Dec;231(3):623–7

Effects of acetylcholine and short-chain fatty acids on acinar cells of the exocrine pancreas in sheep. Katoh K, et al. **J Physiol (Lond)** 1984 Nov;356:479–89

Characteristics of secretin-stimulated pancreatic secretion in dogs. Maggee DF, et al. **J Physiol (Lond)** 1984 Nov; 356:391–9

Acetylcholine-evoked potassium release in the mouse pancreas. Petersen OH, et al. **J Physiol (Lond)** 1985 Aug; 365:319–29

Mechanism of action of insulin on acetylcholine-evoked amylase secretion in the mouse pancreas. Singh J. **J Physiol (Lond)** 1985 Jan;358:469–82

Islet cell isolation in experimental d,l-ethionine pancreatitis in dogs. Cobb LF, et al. **J Surg Res** 1985 Mar;38(3):272–80

Effects of trypsin inhibitor on the remnant pancreas after 85 percent pancreatectomy in rats. Baba N, et al. **Jpn J Surg** 1984 Sep;14(5):420–31

The synthetic protease substrate N-benzoyl-L-argininyl-p-nitroanilide activates specific binding of [3H]estradiol to a protein in rat pancreas: relationship of structure to activity. Grossman A. **Life Sci** 1984 Nov 26;35(22):2275–9

The effect of DL-ethionine, cholecystokinin, and cerulein on pancreatic secretion and tissue composition in rats. Papp M, et al. **Mt Sinai J Med (NY)** 1984 Dec;51(6):680–6

Effect of chronic reserpine treatment on the pancreases of neonatal rats. Chung KS, et al. **Pediatr Res** 1984 Dec; 18(12):1300–4

Effects of divalent cations on acetylcholine-evoked membrane potential in the ionophore A23187 treated mouse pancreas. Iwatsuki N. **Pflugers Arch** 1984 Dec; 402(4):465–72

L-Alarine and L-phenylalanine activate Na+ and K+ conductance pathways in the exocrine mouse pancreas. Singh J. **Pflugers Arch** 1984 Oct;402(2):176–84

Alteration of the rat exocrine pancreas after chronic scopolamine administration. Morisset J, et al. **Pharmacology** 1985;30(6):308–13

Decreased pancreatic CCK receptor binding and CCK-stimulated amylase release in Zucker obese rats.

McLaughlin CL, et al. **Physiol Behav** 1984 Jun;32(6):961-5

Effects of secretagogues on membrane potential and input resistance of pancreatic acinar cells of sheep. Katoh K, et al. **Res Vet Sci** 1985 Mar;38(2):250-1

Drugs, hormones, integrity and structure of the small bowel and pancreas. Proceedings of an international workshop. Bern, Switzerland, 24 October 1984. **Scand J Gastroenterol [Suppl]** 1985;112:1-118

Effect of alcohol upon myoelectric activity of the gastrointestinal tract and pancreatic and biliary duct pressures. Coelho JC, et al. **Surg Gynecol Obstet** 1985 Jun; 160(6):528-33

Pancreatic damage induced by injecting a large dose of arginine. Kishino Y, et al. **Virchows Arch [Cell Pathol]** 1984; 47(2):147-55

[Comparison of the effects of cocaine and dexamphetamine on pancreatic secretion in the conscious rat] Vaille C, et al. **Ann Pharm Fr** 1984;42(3):219-26 (Eng. Abstr.) **(Fre)**

[Comparative studies of the effect of mithramycin and calcitonin on small intestine and pancreas function in the rat] Heuer LJ, et al. **Dtsch Z Verdau Stoffwechselkr** 1984; 44(2):45-9 (Eng. Abstr.) **(Ger)**

[Further developments in pancreatic islet transplantation I. Induction of selective morphological changes in the exocrine pancreas] Huber W, et al. **Res Exp Med (Berl)** 1985;185(1):1-12 (Eng. Abstr.) **(Ger)**

[Paradoxical effects of submaximal and supramaximal doses of caerulein on the pancreas] Papp M, et al. **Orv Hetil** 1984 Sep 9;125(37):2261-3 (Eng. Abstr.) **(Hun)**

[Ranitidine inhibits pancreatic secretion and growth stimulated by caerulein] Papp M, et al. **Orv Hetil** 1984 Sep 23;125(39):2377-9 (Eng. Abstr.) **(Hun)**

[Effects of calcium antagonists on pancreatic endocrine secretion] Vincenzi V, et al. **Minerva Med** 1985 May 12; 76(19-20):919-21 (Eng. Abstr.) **(Ita)**

[Trophic effect of caerulein on the normal pancreas and enhancement in experimental pancreatic cancer by caerulein in the Syrian golden hamster] Mukai R. **Nippon Geka Gakkai Zasshi** 1985 May;86(5):602-12 (Eng. Abstr.) **(Jpn)**

[Effect of alpha- and beta-adrenoreceptor blockade on the secretory process in the rat pancreas] Kuznetsova OA, et al. **Fiziol Zh** 1985 Jan-Feb;31(1):83-5 **(Rus)**

[Current concepts of the pancreatic and extrapancreatic mechanisms of the action of peroral hypoglycemic sulfonylurea preparations] Poltorak VV, et al. **Probl Endokrinol (Mosk)** 1985 Mar-Apr;31(2):76-85 (188 ref.) **(Rus)**

EMBRYOLOGY

Large particles associated with gap junctions of pancreatic exocrine cells during embryonic and neonatal development. Yamamoto M, et al. **Anat Embryol (Berl)** 1985; 171(3):305-10

Perinatal development of the small intestine and pancreas in rat and spiny mouse. Its relation to altricial and precocial timing of birth. Lamers WH, et al. **Biol Neonate** 1985; 47(3):153-62

Effects of prolonged maternal fast on the pancreas of 18-21-day-old foetal rats. Ultrastructural and morphometric study of the beta cells. Perrier-Barta H. **Cell Tissue Res** 1984;237(1):169-79

A morphometric study of developing pancreatic acinar cells of rats during prenatal life. Uchiyama Y, et al. **Cell Tissue Res** 1984;237(1):117-22

Simple and reliable conditions for routine, long-term culturing of fetal human pancreatic tissue fragments. Farkas G, et al. **Diabetes** 1984 Dec;33(12):1165-8

Maturation of the response of human fetal pancreatic explants to glucose. Tuch BE, et al. **Diabetologia** 1985 Jan; 28(1):28-31

Morphological and functional characteristics of islets neoformed during tissue culture of fetal rat pancreas. Mourmeaux JL, et al. **Mol Cell Endocrinol** 1985 Mar; 39(3):237-46

Influence of glucocorticoids on prenatal development of the gut and pancreas in rats. Majumdar AP, et al. **Scand J Gastroenterol** 1985 Jan;20(1):65-71

ENZYMOLOGY

Insulin potentiates cholecystokinin (CCK)-induced secretion of pancreatic kallikrein. Berg T, et al. **Acta Physiol Scand** 1985 Jan;123(1):89-95

Dietary fiber and intestinal adaptation: effects on intestinal and pancreatic digestive enzyme activities. Calvert R, et al. **Am J Clin Nutr** 1985 Jun;41(6):1249-56

Dietary fiber in pancreatic disease: effect of high fiber diet on fat malabsorption in pancreatic insufficiency and in vitro study of the interaction of dietary fiber with pancreatic enzymes. Dutta SK, et al. **Am J Clin Nutr** 1985 Mar; 41(3):517-25

Evaluation of serum pancreatic enzymes, carbohydrate antigen 19-9, and carcinoembryonic antigen in various pancreatic diseases. Satake K, et al. **Am J Gastroenterol** 1985 Aug;80(8):630-6

Bombesin-induced residual stimulation of amylase release from mouse pancreatic acini. Howard JM, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):G196-9

Rat lingual lipase: partial purification, hydrolytic properties, and comparison with pancreatic lipase. Roberts IM, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):G385-93

Two distinct adaptive responses in the synthesis of exocrine pancreatic enzymes to inverse changes in protein and carbohydrate in the diet. Schick J, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):G611-6

Tissue-specific control of glandular kallikreins. van Leeuwen BH, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):F760-4

Lung changes resulting from intraperitoneal injections of porcine pancreatic elastase in suckling rats. Kida K, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1111-7

Microcomputer interface for computer-controlled enzyme kinetic studies with the monolayer technique. Donné-Op den Kelder GM, et al. **Anal Biochem** 1984 Oct; 142(1):126-33

Mechanistic studies on carboxypeptidase A from goat pancreas: role of arginine residue at the active site. Dua RD, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):479-86

Purification and characterization of beef pancreatic asparagine synthetase. Luehr CA, et al. **Arch Biochem Biophys** 1985 Mar;237(2):335-46

Pancreatic amylase as a tumour marker for pancreatic cancer. Hilmy AM, et al. **Arch Geschwulstforsch** 1984;54(6):475-82

Serum pancreatic isoamylase estimation by the inhibitor method as a diagnostic test for chronic pancreatitis. Tait AD, et al. **Aust NZ J Med** 1984 Oct;14(5):600-5

Sequential homologies between procarboxypeptidases A and B from porcine pancreas. Avilés FX, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):97-103

Amylase secretion from isolated pure acinar cells. Bandisode MS, et al. **Biochem Biophys Res Commun** 1985 May 31; 129(1):63-9

Regulation of proteolytic enzyme activities and mRNA concentrations in rat pancreas by food content. Giorgi D, et al. **Biochem Biophys Res Commun** 1985 Mar 29; 127(3):937-42

Nonparallel discharge of digestive enzymes from isolated pancreatic acini. Majumdar AP, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):872-7

Immunochemical relatedness between secretory phospholipase A2 and intracellular phospholipase A2. Okamoto M, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):788-94

Role of metal ions in goat carboxypeptidase A-catalysed hydrolysis of acyl peptides. Dua RD, et al. **Biochem Int** 1984 Sep;9(3):379-89

Protein kinase activity associated with pancreatic zymogen granules. Burnham DB, et al. **Biochem J** 1985 May 1; 227(3):743-51

Calcium ion binding to pancreatic phospholipase A2 and its zymogen: a 43Ca NMR study. Drakenberg T, et al. **Biochemistry** 1984 May 22;23(11):2387-92

Phosphatidylinositol synthase from canine pancreas: solubilization by n-octyl glucopyranoside and stabilization by manganese. Parries GS, et al. **Biochemistry** 1984 Sep 25;23(20):4785-91

Structural importance of the amino-terminal residue of pancreatic phospholipase A2. van Scharrenburg GJ, et al. **Biochemistry** 1984 Dec 4;23(25):6285-94

Activation of nonspecific lipase (EC 3.1.1.-) by bile salts. Albro PW, et al. **Biochim Biophys Acta** 1985 Jul 31; 835(3):477-90

In vitro synthesis of pig pancreas ribonuclease. Carsana A, et al. **Biochim Biophys Acta** 1985 Jul 24;825(3):299-302

Inhibition of pancreatic and microbial lipases by proteins. Gargouri Y, et al. **Biochim Biophys Acta** 1984 Sep 12; 795(2):326-31

The environment of tryptophan in pig pancreatic phospholipase A2 bound to bilayers. Jain MK, et al. **Biochim Biophys Acta** 1985 Mar 28;814(1):135-40

Potentiating role of cyclic AMP in pancreatic enzyme secretion, demonstrated by means of forskolin. Willems PH, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):209-14

Immunological analysis of rat pancreatic prokallikrein activation. Woodley CM, et al. **Biochim Biophys Acta** 1985 Jul 1;829(3):408-14

Increased serum pancreatic enzymes after treatment with methylprednisolone: possible evidence of subclinical pancreatitis. Dandona P, et al. **Br Med J [Clin Res]** 1985 Jul 6;291(6487):24

Tissue-specific expression of the rat pancreatic elastase I gene in transgenic mice. Swift GH, et al. **Cell** 1984 Oct; 38(3):639-46

Ca2+ and cyclic nucleotide dependence of amylase release from isolated rat pancreatic acinar cells rendered permeable by intense electric fields. Knight DE, et al. **Cell Calcium** 1984 Aug;5(4):401-18

Vanadate stimulates rat pancreatic enzyme secretion through the release of calcium from an intracellular store. Proffitt R, et al. **Cell Calcium** 1984 Aug;5(4):335-50

The effects of vanadate on 45Ca exchange and enzyme secretion in the rat exocrine pancreas. Proffitt R, et al. **Cell Calcium** 1984 Aug;5(4):321-34

Porcine pancreatic prokallikrein. III. Some different forms of kallikrein generated from prokallikrein. Kizuki K, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3662-9

Kinetic studies on pancreatic lipase activity in micellar systems. III. Effect of micellar size. Nakahara H, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):3803-11

Structure and function of bile. I. Relation between the structure of artificial bile and activity of pancreatic lipase. Uematsu S, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep; 32(9):3327-36

Fluorometric assay for pancreatic cholesterylester hydrolase. Joutti A, et al. **Chem Phys Lipids** 1985 Mar;36(4):335-41

Clearance of pancreatic and salivary alpha-amylase in normal subjects [letter] Hafkenscheid JC, et al. **Clin Chem** 1985 Jan;31(1):162-3

Efficiency in the diagnosis of acute pancreatitis increased by improved electrophoresis of amylase isoenzyme P3 on cellulose acetate. Massey TH. **Clin Chem** 1985 Jan; 31(1):70-5

Rapid quantitative, specific measurement of pancreatic amylase in serum with use of a monoclonal antibody. Mifflin TE, et al. **Clin Chem** 1985 Aug;31(8):1283-8

Two types of human pancreatic gamma-glutamyl transpeptidase. Yamaguchi N, et al. **Clin Chim Acta** 1985 Apr 15;147(2):75-83

Serum levels of pancreatic enzymes and their clinical significance. Koop H. **Clin Gastroenterol** 1984 Sep; 13(3):739-61 (140 ref.)

Changes in serum pancreatic enzymes after hormonal stimulation in chronic pancreatitis. Lesi C, et al. **Dig Dis Sci** 1985 Jun;30(6):552-7

Three-dimensional structure of bovine pancreatic DNase I at 2.5 A resolution. Suck D, et al. **EMBO J** 1984 Oct; 3(10):2423-30

Multiple non-allelic genes encoding pancreatic alpha-amylase of mouse are expressed in a strain-specific fashion. Tosi M, et al. **EMBO J** 1984 Dec 1;3(12):2809-16

Activity of the insulo-acinar axis in the isolated perfused rat pancreas. Trimble ER, et al. **Endocrinology** 1985 Sep; 117(3):1246-52

Existence of ternary complexes of procarboxypeptidase A in the pancreas of some ruminant species. Kerfelec B, et al. **Eur J Biochem** 1985 Sep 16;151(3):515-9

Human serum alpha 1-antichymotrypsin is an inhibitor of pancreatic elastases. Laine A, et al. **Eur J Biochem** 1985 Sep 2;151(2):327-31

On porcine pancreatic alpha-amylase action: kinetic evidence for the binding of two maltooligosaccharide molecules (maltose, maltotriose and o-nitrophenylmaltoside) by inhibition studies. Correlation with the five-subsite energy profile. Seigner C, et al. **Eur J Biochem** 1985 Apr 1; 148(1):161-8

Studies on the specificity of the cholesterol-binding pancreatic proteinase and identification as human pancreatic elastase 1. Sziegoleit A, et al. **Eur J Biochem** 1985 Sep 16;151(3):595-9

Magnesium enhances human pancreatic elastase digestion of 125I-labeled elastin. Rabaud M, et al. **Experientia** 1985 May 15;41(5):628-31

Limited proteolysis of porcine pancreatic lipase. Lability of the Phe 335-Ala 336 bond towards chymotrypsin. Bousset-Risso M, et al. **FEBS Lett** 1985 Mar 25; 182(2):323-6

Phorbol ester (TPA) potentiates noradrenaline and acetylcholine-evoked amylase secretion in the rat pancreas. Singh J. **FEBS Lett** 1985 Jan 28;180(2):191-5

Inhibitory effect of gabexate mesilate on pancreatic phospholipase A2-mediated hydrolysis of ghost membranes. Nishijima J, et al. **Gen Pharmacol** 1985; 16(3):177-82

Aging-associated pancreatic exocrine insufficiency in the unanesthetized rat. Hollander D, et al. **Gerontology** 1984; 30(4):218-22

Effect of cimetidine on enzyme inactivation, bile acid precipitation, and lipid solubilisation in pancreatic steatorrhoea due to cystic fibrosis. Zentler-Munro PL, et al. **Gut** 1985 Sep;26(9):892-901

Studies on active site of goat pancreatic carboxypeptidase A: modification of histidine residues. Dua RD, et al. **Indian J Biochem Biophys** 1985 Feb;22(1):8-12

Purification of porcine pancreatic phospholipase A2 using affinity chromatography. Khole V, et al. **Indian J Biochem Biophys** 1984 Aug;21(4):281-2

Carboxypeptidases from buffalo pancreas: purification and characterisation of two forms of carboxypeptidase A. Sud M, et al. **Indian J Biochem Biophys** 1984 Apr;21(2):106-12

Stabilizing effect of 1,10-orthophenanthroline on carboxypeptidase A from buffalo pancreas. Sud M, et al. **Indian J Biochem Biophys** 1984 Aug;21(4):272-5

Effect of pre- & post-weaning protein energy malnutrition on pancreatic amylase in rats. Vyas RK, et al. **Indian J Med Res** 1984 May;79:612-6

Mammalian signal peptidase: partial purification and general characterization of the signal peptidase from microsomal membranes of porcine pancreas. Fujimoto Y, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1125-31

Rat pancreatic phospholipase A2: purification, characterization, and N-terminal amino acid sequence. Ono T, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):785-92

Ca2+-ATPase activity in pancreatic acinar plasma membranes. Regulation by calmodulin and acidic phospholipids. Ansah TA, et al. **J Biol Chem** 1984 Nov 10;259(21):13442-50

Structure of two related rat pancreatic trypsin genes. Craik CS, et al. **J Biol Chem** 1984 Nov 25;259(22):14255-64

Secretogogue-stimulated phosphatidylinositol breakdown in the exocrine pancreas liberates arachidonic acid, stearic acid, and glycerol by sequential actions of phospholipase C and diglyceride lipase. Dixon JF, et al. **J Biol Chem** 1984 Dec 10;259(23):14418-25

Independent regulation of nonallelic pancreatic amylase genes in diabetic mice. Dranginis A, et al. **J Biol Chem** 1984 Oct 10;259(19):12216-9

Phosphorylated intermediate of (Ca2+ + K+)-stimulated Mg2+-dependent transport ATPase in endoplasmic reticulum from rat pancreatic acinar cells. Imamura K, et al. **J Biol Chem** 1985 Sep 15;260(20):11339–47

Role of free cytosolic calcium in secretagogue-stimulated amylase release from dispersed acini from guinea pig pancreas. Pandol SJ, et al. **J Biol Chem** 1985 Aug 25; 260(18):10081–6

Structure of the two related elastase genes expressed in the rat pancreas. Swift GH, et al. **J Biol Chem** 1984 Nov 25; 259(22):14271–8

Hormonal stimulation in the exocrine pancreas results in coordinate and anticoordinate regulation of protein synthesis. Schick J, et al. **J Cell Biol** 1984 Nov; 99(5):1569–74

Pancreatic enzyme response to a liquid meal and to hormonal stimulation. Correlation with plasma secretin and cholecystokinin levels. Beglinger C, et al. **J Clin Invest** 1985 May;75(5):1471–6

Effects of forskolin on adenylate cyclase activity and amylase secretion in the rat exocrine pancreas. Dehaye JP, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(3):269–80

beta-NADPHase- and TMPase-positive 'snake-like tubules' in the exocrine pancreas: cytochemical and immunocytochemical studies. Beaudoin AR, et al. **J Histochem Cytochem** 1985 Jun;33(6):569–75

Immunocytochemical assays of amylase and chymotrypsinogen in rat pancreas secretory granules. Efficacy of using immunogold-labeled ultrathin cryosections to estimate relative protein concentrations. Posthuma G, et al. **J Histochem Cytochem** 1984 Oct; 32(10):1028–34

Studies on the inhibition of pancreatic and microbial lipases by soybean proteins. Gargouri Y, et al. **J Lipid Res** 1984 Nov;25(11):1214–21

Amino acid derived latent isocyanates: irreversible inactivation of porcine pancreatic elastase and human leukocyte elastase. Groutas WC, et al. **J Med Chem** 1985 Feb;28(2):204–9

Digestibility of native and modified starches: in vitro studies with human and rabbit pancreatic amylases and in vivo studies in rabbits. Lee PC, et al. **J Nutr** 1985 Jan; 115(1):93–103

Age-related alterations in immunoreactive pancreatic lipase and cationic trypsinogen in young children with cystic fibrosis. Cleghorn G, et al. **J Pediatr** 1985 Sep; 107(3):377–81

Pancreatic lipase, colipase, and cystic fibrosis. Forstner G, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S106–12

Ca2+-transport and Mg2+- and Ca2+-ATPase activity in the exocrine pancreas. Katz S, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S11–8

Physiological plasma concentrations of cholecystokinin stimulate pancreatic enzyme secretion and gallbladder contraction in man. Kerstens PJ, et al. **Life Sci** 1985 Feb 11;36(6):565–9

A colorimetric assay of pancreatic lipase: rapid detection of lipase and colipase separated by gel filtration. Roberts J, et al. **Lipids** 1985 Jan;20(1):42–5

Evidence for phosphorylation of pancreatic islet pyruvate kinase. MacDonald MJ, et al. **Metabolism** 1985 Jul; 34(7):600–3

Effects of nerve stimulation on enzyme secretion from the in vitro rat pancreas and 3H-release after preincubation with catecholamines. Singh J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(3):228–33

Pancreatic and intestinal digestive enzymes in post-weanling rats with hypothalamic obesity. Bernardis LL, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):589–98

Normal pancreatic and intestinal enzymes in hypophagic growth-retarded rats that received dorsomedial hypothalamic lesions shortly after weaning. Bernardis LL, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):245–53

A 78-kilobase region of mouse chromosome 3 contains salivary and pancreatic amylase genes and a pseudogene. Wiebauer K, et al. **Proc Natl Acad Sci USA** 1985 Aug; 82(16):5446–9

The expression of alkaline phosphatases in human gastrointestinal and pancreatic tissues and cell lines. Kam WK, et al. **Prog Clin Biol Res** 1984;166:207–22

Enzyme potentialities of the abomasum and pancreas of the calf. II. Effects of weaning and feeding a liquid supplement to ruminant animals. Guilloteau P, et al. **Reprod Nutr Dev** 1985;25(3):481–93

Exocrine pancreatic involvement in acute viral hepatitis. Rizzotti P, et al. **Ric Clin Lab** 1984 Jul–Sep;14(3):431–3

Adaptation of the pancreas during treatment with enzyme inhibitors in rats and man. Fölsch UR, et al. **Scand J Gastroenterol [Suppl]** 1985;112:54–63

Pancreatic lysosomal hydrolases in acute experimental pancreatitis in dogs. Brzozowski J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(6):350–9

[The importance of studying pancreatic amylase induction in children of diabetic mothers] Stejskal J, et al. **Cesk Pediatr** 1985 Feb;40(2):79–84 (Eng. Abstr.) **(Cze)**

[Activity and various properties of Mg-ATPase, Na,K-ATPase, Ca-ATPase and HCO3-ATPase in the kidney cortex, parotid gland and pancreas of cattle] Uhlig G, et al. **Arch Exp Veterinarmed** 1984 Jul;38(4):572–82 (Eng. Abstr.) **(Ger)**

[The pancreatic lipase/colipase system] Müller G. **Z Gesamte Inn Med** 1984 Jul 15;39(14):321–5 (Eng. Abstr.) **(Ger)**

[The effects of hog pancreatic kallikrein on the plasma kinins-prostaglandins and renin-angiotensin-aldosterone systems] Nagashima Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Sep 20;60(9):1031–40 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of serum pancreatic secretory trypsin inhibitor (PSTI) determined by radioimmunoassay] Kataoka K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jul;81(7):1607–16 (Eng. Abstr.) **(Jpn)**

[Studies of albumin with double peaks. III. Relationship between double-peaked albumin of the pleural effusion and proteolytic enzymes of the pancreas] Senju O, et al. **Rinsho Byori** 1984 Oct;32(10):1143–7 **(Jpn)**

[Porcine pancreatic alpha-amylase] Sakano Y, et al. **Tanpakushitsu Kakusan Koso** 1985 Apr;30(4):299–302 **(Jpn)**

[Enzymochemical studies on pancreatic elastase. III. Zymogen-like elastase originating from the pancreas in the blood] Nagai T, et al. **Yakugaku Zasshi** 1985 May; 105(5):499–506 (Eng. Abstr.) **(Jpn)**

[Changes in various proteolytic enzyme and amylase activities in the pancreas of rats with streptozotocin-induced diabetes] Sawicka T, et al. **Endokrynol Pol** 1984;35(5):275–81 (Eng. Abstr.) **(Pol)**

[Immunological studies on pancreatic alpha-amylase] Sobiech KA. **Postepy Hig Med Dosw** 1983 Sep–Dec; 37(5–6):561–70 (54 ref.) (Eng. Abstr.) **(Pol)**

[Differences in the cytotoxicity mechanisms of pancreatic and microbial ribonucleases] Kurinenko BM, et al. **Antibiot Med Biotekhnol** 1985 Apr;30(4):288–92 (Eng. Abstr.) **(Rus)**

[Mechanism of the hypotensive action of inkrepan] Surovikina MS, et al. **Patol Fiziol Eksp Ter** 1984 Sep–Oct; (5):40–3 **(Rus)**

GROWTH & DEVELOPMENT

Effects of E, F, and I series prostaglandins and analogues on growth of gastroduodenal mucosa and pancreas. Dembinski A, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):G170–5

Chemical adrenalectomy by aminoglutethimide and the pancreas in suckling rats. Lerner A, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):G346–51

Effect of proglumide on rat pancreatic growth. Yamaguchi T, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):G294–8

Morphometric and fine-structural studies of rat pancreatic acinar cells during early postnatal life. Uchiyama Y, et al. **Cell Tissue Res** 1984;237(1):123–9

Regulation of pancreatic growth. Fölsch UR. **Clin Gastroenterol** 1984 Sep;13(3):679–99 (161 ref.)

Pancreatic polypeptide and other hormones in pancreas of obese (ob/ob) mice. Tomita T, et al. **Diabetologia** 1984 Oct; 27(4):454–9

Ontogeny of thyrotropin-releasing hormone and histidyl proline diketopiperazine in the rat central nervous system and pancreas. Lamberton RP, et al. **Endocrinology** 1984 Dec;115(6):2400–5

Polyamines and pancreatic growth induced by caerulein. Morisset J, et al. **Life Sci** 1984 Dec 10;35(24):2471–80

Ileo-caecal resection induced pancreatic growth in rats. Baba N, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):211–5

Somatostatin: a potential antigrowth factor for the exocrine pancreas. Morisset J. **Regul Pept** 1984 Dec;10(1):11–22

Trophic effects on the pancreas of trypsin and bile salt deficiency in the small-intestinal lumen. McGuinness EE, et al. **Scand J Gastroenterol [Suppl]** 1985;112:64–7

Mechanism of pancreatic growth induced by pancreatico-biliary diversion in the rat. Inhibition by proglumide, benzotript, and ranitidine. Miazza BM, et al. **Scand J Gastroenterol [Suppl]** 1985;112:75–83

Gastrin modulation of pancreatic growth. Stock-Damge C, et al. **Scand J Gastroenterol [Suppl]** 1985;112:68–74

Fetal pancreas transplantation in miniature swine. I. Developmental characteristics of fetal pig pancreases. Sasaki N, et al. **Transplantation** 1984 Oct;38(4):335–40

IMMUNOLOGY

An immunocytochemical study on secretory mechanism of IgA in human pancreas. Saito H, et al. **Acta Pathol Jpn** 1985 Jan;35(1):87–101

Immunohistochemical observations of carcinoembryonic antigen (CEA) and CEA-related substances in normal and neoplastic pancreas. Pitfalls and caveats in CEA immunohistochemistry. Tsutsumi Y, et al. **Am J Clin Pathol** 1984 Nov;82(5):535–42

Expression of oncofoetal pancreatic antigens in hamster adult pancreas during experimental carcinogenesis. Escribano MJ, et al. **Br J Cancer** 1985 Feb;51(2):187–93

Immunolocalization of collagen types, laminin and fibronectin in the normal human pancreas. Uscanga L, et al. **Digestion** 1984;30(3):158–64

Ontogeny of immunoreactive insulin in the fetal bovine pancreas. D'Agostino J, et al. **Endocrinology** 1985 Mar; 116(3):1108–16

Distribution of Ia-positive cells in the pig and human pancreas. Parkkinen E, et al. **Eur Surg Res** 1984;16(6):336–9

Growth hormone releasing factor (GRF) immunoreactivity in human and rat gastrointestinal tract and pancreas. Bosman FT, et al. **J Histochem Cytochem** 1984 Nov; 32(11):1139–44

Applications of immunocolloids in light microscopy. III. Demonstration of antigenic and lectin-binding sites in semithin resin sections. Lucocq JM, et al. **J Histochem Cytochem** 1984 Oct;32(10):1075–83

Altered distribution of class I and class II MHC antigens during acute pancreas allograft rejection in the rat. Steiniger B, et al. **Transplantation** 1985 Sep;40(3):234–9

[Autoantibodies against the exocrine pancreas and against intestinal goblet cells in the diagnosis of Crohn's disease and ulcerative colitis] Stöcker W, et al. **Dtsch Med Wochenschr** 1984 Dec 21;109(51–52):1963–9 (Eng. Abstr.) **(Ger)**

[Study on the local immune system of the human pancreas and liver--ultrastructural localization of IgA and secretory component] Aoyama H. **Nippon Geka Gakkai Zasshi** 1985 Feb;86(2):187–201 (Eng. Abstr.) **(Jpn)**

[Histochemical visualization of carbohydrate antigen 19-9 (CA19-9) in pancreas from patients with pancreatic cancer by using a monoclonal antibody] Miyaoka H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jan;82(1):138 **(Jpn)**

[Experimental evolutive study of the pancreas in mice with schistosomiasis, good and bad immunologic responders] Nigro SP, et al. **Rev Paul Med** 1984 Sep–Oct;102(5):201–4 (Eng. Abstr.) **(Por)**

INJURIES

Improvement in early diagnosis and treatment of blunt trauma of the pancreas. Murat JE, et al. **Acta Chir Iugosl** 1984 Mar;31(2):179–90 **(Eng, Scr)**

Pancreatic injury associated with interposed abdominal compressions in pediatric cardiopulmonary resuscitation. Waldman PJ, et al. **Am J Emerg Med** 1984 Nov;2(6):510–2

Management of pancreatic and duodenal trauma. Wynn M, et al. **Am J Surg** 1985 Sep;150(3):327–32

Amylase isoenzymes in the evaluation of trauma patients. Greenlee T, et al. **Am Surg** 1984 Dec;50(12):637–40

Management of pancreatic trauma. Hendel R, et al. **Can J Surg** 1985 Jul;28(4):359–61

CT evaluation of pancreatic injury following splenectomy. Balthazar EJ, et al. **Gastrointest Radiol** 1985;10(2):139–44

Successful Whipple's operation for pancreatic injury. Cameron AE, et al. **Injury** 1985 Jan;16(4):233–4

Isolated pancreatic damage following seat belt injury. Freeman CP. **Injury** 1985 Jul;16(7):478–80

Blunt pancreatic injury: two case reports and a review of the literature. Friend PJ, et al. **Injury** 1985 May;16(6):391–2

Pancreatic injury in association football. Harrison JD, et al. **Injury** 1985 Jan;16(4):232

Factors affecting outcome in pancreatic trauma [letter] Cogbill TH, et al. **J Trauma** 1984 Sep;24(9):861

Determinants of outcome in pancreatic trauma. Smego DR, et al. **J Trauma** 1985 Aug;25(8):771–6

Rupture of the head of the pancreas by blunt trauma. A case report. Dawson AR, et al. **S Afr Med J** 1985 Apr 6; 67(14):560–2

Changing trends in the management of combined pancreatoduodenal injuries. Moore JB, et al. **World J Surg** 1984 Oct;8(5):791–7

[Radiography and blunt trauma of the pancreas and the left kidney] Pillet J, et al. **Ann Chir** 1984 Nov;38(8):589–92 (Eng. Abstr.) **(Fre)**

[Pancreatic injuries] Forni E, et al. **Chir Ital** 1983 Apr; 35(2):193–203 (Eng. Abstr.) **(Ita)**

[Our experience with closed injuries of the pancreas] Vadalà G, et al. **Chir Ital** 1983 Oct;35(5):697–708 (Eng. Abstr.) **(Ita)**

[Biliary and biliopancreatic lesions in the course of gastroduodenectomies for duodenal ulcer] Buşu I, et al. **Rev Chir [Chir]** 1985 Mar–Apr;34(2):133–40 (Eng. Abstr.) **(Rum)**

[Diagnosis and surgical treatment of injuries of the pancreas and extrahepatic bile ducts] Kochnev OS, et al. **Khirurgiia (Mosk)** 1985 Apr;(4):96–100 (Eng. Abstr.) **(Rus)**

[Traumatic suppurative-necrotic pancreatitis] Filin VI, et al. **Vestn Khir** 1984 Sep;133(9):80–6 (Eng. Abstr.) **(Rus)**

[Diagnosis and surgical tactics in injuries of the pancreas] Moroz IM, et al. **Vestn Khir** 1984 Nov;133(11):86–9 (Eng. Abstr.) **(Rus)**

[Prevention of traumatic pancreatitis in injuries of the pancreas] Tolstoi AD. **Vestn Khir** 1985 May;134(5):83–6 (Eng. Abstr.) **(Rus)**

[Advances in the early diagnosis and treatment of closed injuries of the pancreas] Murat JE, et al. **Acta Chir Iugosl** 1984 Mar;31(2):187–990 **(Scr)**

[Injuries of the pancreas] Carbajo Caballero MA. **Rev Esp Enferm Apar Dig** 1984 Sep;66(3):257–66 (63 ref.) (Eng. Abstr.) **(Spa)**

INNERVATION

Cholinergic innervation of pig pancreas. Lakomy M, et al. **Acta Histochem (Jena)** 1984;75(1):63–8

Neural and hormonal control of membrane conductance in the pig pancreatic acinar cell. Pearson GT, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):G520–6

Perturbation of insulin oscillations by nerve blockade in the in vitro canine pancreas. Stagner JI, et al. **Am J Physiol** 1985 May;248(5 Pt 1):E516–21

Role of intrapancreatic ganglia in regulation of periodic insular secretions. Stagner JI, et al. **Am J Physiol** 1985 May; 248(5 Pt 1):E522-30

Experimental evidence for a vagally mediated and cholecystokinin-independent enteropancreatic reflex. Fried GM, et al. **Ann Surg** 1985 Jul;202(1):69-74

Innervation of the pancreatic blood vessels of the Bulgarian rabbit as revealed by the cholinesterase technique. Purwar RS, et al. **Folia Morphol (Praha)** 1985;33(2):132-4

A denervated pancreatic flap for control of chronic pain in pancreatitis. Warren WD, et al. **Surg Gynecol Obstet** 1984 Dec;159(6):581-3

[Pancreatic polypeptide--an indicator of vagal tonus in the gastrointestinal tract and pancreas?] Eysselein VE, et al. **Z Gastroenterol** 1984 Aug;22(8):400-3 **(Ger)**

[Met-enkephalin-Arg-Gly-Leu-like immunoreactivity-containing nerve elements in the canine pancreas--an immunohistochemical study] Shimosegawa T, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Jun 20; 60(6):779-87 (Eng. Abstr.) **(Jpn)**

METABOLISM

Purification and characterization of an estradiol-17 beta binding macromolecule in rat pancreas. Pousette A, et al. **Acta Chem Scand [B]** 1984;38(5):407-14

Organ culture of human foetal pancreas: conditions which affect basal and stimulated insulin release. Maitland JE, et al. **Acta Endocrinol (Copenh)** 1985 Mar;108(3):377-85

Effects of gastric inhibitory polypeptide on dispersed pancreatic acinar cells from the guinea pig. Sjödin L, et al. **Acta Physiol Scand** 1984 Sep;122(1):79-84

Glucose transport by lobster hepatopancreatic brush-border membrane vesicles. Ahearn GA, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):R133-41

Influence of pH change on redox state and CCK-induced secretion in isolated perfused rat pancreas. Asada N, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C235-40

Dynamics of pancreatic insulin release in young Zucker rats: a heterozygote effect. Blonz ER, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):E188-93

N-terminal fragments of CCK-(26-33) as cholecystokinin receptor antagonists in guinea pig pancreatic acini. Gardner JD, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G98-102

Coupled Na+-H+ exchange in isolated acinar cells from rat exocrine pancreas. Hellmessen W, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):G125-36

Gastrin-releasing peptide: effect on exocrine secretion and release from isolated perfused porcine pancreas. Knuhtsen S, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):G281-6

Short-term effects of feeding raw soya flour on pancreatic cell turnover in the rat. Oates PS, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):G667-73

Role of calcium in cholecystokinin-stimulated phosphoinositide breakdown in exocrine pancreas. Pandol SJ, et al. **Am J Physiol** 1985 May;248(5 Pt 1):G551-60

Intracellular Ca2+ levels and amylase secretion in Quin 2-loaded mouse pancreatic acini. Powers RE, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C535-41

Receptor for calcitonin gene-related peptide: binding to exocrine pancreas mediates biological actions. Seifert H, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):G147-51

Calcium-dependent secretory and redox response to CCK-8 in isolated perfused rat pancreas. Shibuya I, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C228-34

The pathogenesis of acute pancreatitis. The source and role of oxygen-derived free radicals in three different experimental models. Sanfey H, et al. **Ann Surg** 1985 May; 201(5):633-9

The contribution of inositol exchange to agonist-stimulated breakdown of myo- [2-3H] inositol-labelled phosphatidylinositol in mouse exocrine pancreas. Tennes KA, et al. **Aust J Exp Biol Med Sci** 1984 Jun;62 (Pt 3):303-8

Effect of Pseudomonas aeruginosa exotoxin-A on the synthesis and secretion of proteins in isolated rat pancreatic acini. Geokas MC, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):198-204

Inositol trisphosphate production and amylase secretion in mouse pancreatic acini. Powers RE, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):284-8

Brain CCK receptors are structurally distinct from pancreas CCK receptors. Sakamoto C, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):497-502

Binding and internalization of 125I-Bolton-Hunter-substance-P by pancreatic acinar cells. Sjödin L. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):578-84

Intracellular Ca2+ and phorbol esters synergistically inhibit internalization of epidermal growth factor in pancreatic acini. Logsdon CD, et al. **Biochem J** 1984 Nov 1; 223(3):893-900

Effects of caerulein-related peptides on cholecystokinin receptor bindings in brain and pancreas. Fujimoto M, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1103-7

Regulatory effects of insulin and experimental diabetes on neutral amino acid transport in the perfused rat exocrine pancreas. Kinetics of unidirectional L-serine influx and efflux at the basolateral plasma membrane. Mann GE, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):618-22

5-Hydroxytryptamine synthesis, storage, and secretion from rat pancreatic acinar cells. Falardeau P, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):755-61

DNA adduct formation in rat, human and hamster pancreas treated with methylnitrosourea. Friedman S, et al. **Cancer Lett** 1985 Apr;26(3):269-76

Incorporation of [35S]sulfate in normal and neoplastic rat pancreatic acinar cells in relationship to cytodifferentiation. Kanwar YS, et al. **Cancer Res** 1984 Nov;44(11):5347-54

Immunohistochemical localization of (neuro)peptide hormones in endocrine cells and nerves of the gut of a stomachless teleost fish, Barbus conchonius (Cyprinidae). Rombout JH, et al. **Cell Tissue Res** 1984;237(1):57-65

Effects of intravenous infusion of amino acids, fat, or glucose on unstimulated pancreatic secretion in healthy humans. Niederau C, et al. **Dig Dis Sci** 1985 May;30(5):445-55

Oxidative and conjugative metabolism of xenobiotics by isolated rat and hamster acinar cells. Wiebkin P, et al. **Drug Metab Dispos** 1984 Jul-Aug;12(4):427-31

Thyrotropin releasing hormone biosynthesis in neonatal rat pancreas. Theodoropoulos TJ, et al. **Endocrinol Exp (Bratisl)** 1985 Jun;19(2):77-82

Plasma responses and pancreatic content of pancreatic polypeptide, glucagon and insulin in alloxan diabetic and normal dogs and their immunohistological studies. Tasaka Y, et al. **Endocrinol Jpn** 1984 Aug;31(4):387-94

Receptor-mediated endocytosis of [125I]insulin into pancreatic acinar cells in vivo. Cruz J, et al. **Endocrinology** 1984 Nov;115(5):1996-2008

Methionine-enkephalin and beta-endorphin levels in brain, pancreas, and adrenals of db/db mice. Greenberg J, et al. **Endocrinology** 1985 Jan;116(1):328-31

Pre-proglucagon messenger ribonucleic acid: nucleotide and encoded amino acid sequences of the rat pancreatic complementary deoxyribonucleic acid. Heinrich G, et al. **Endocrinology** 1984 Dec;115(6):2176-81

Role of the hypophysis in regulation of pancreatic and gastric somatostatin. Recant L, et al. **Endocrinology** 1984 Dec; 115(6):2260-5

Intracellular transport of the major glycoprotein of zymogen granule membranes in the rat pancreas. Demonstration of high turnover at the plasma membrane. Havinga JR, et al. **Eur J Biochem** 1984 Oct 1;144(1):177-83

Solubilization from rat pancreatic plasma membranes of a cholecystokinin (CCK) agonist-receptor complex interacting with guanine nucleotide regulatory proteins coexisting in the same macromolecular system. Lambert M, et al. **Eur J Biochem** 1985 Mar 15;147(3):611-7

Multiple-level caerulein control of the gene expression of secretory proteins in the rat pancreas. Wicker C, et al. **Eur J Biochem** 1985 Sep 16;151(3):461-6

Influence of pancreatic duct occlusion on islet hormones in peripheral and portal plasma and in the pancreas of the mini-pig. Schwille PO, et al. **Eur Surg Res** 1985;17(1):17-24

Short-term of the artificial beta-cell (Biostator) on pancreatic glucagon response in insulin-dependent diabetic (IDDM). Ratzmann KP, et al. **Exp Clin Endocrinol** 1984 Jul; 84(1):91-8

Insulin recovery in pancreas and host organs of islet grafts. Ziegler B, et al. **Exp Clin Endocrinol** 1985 Feb;85(1):53-60

The chronically pilocarpine-treated rat in the study of cystic fibrosis: investigations on submandibular gland and pancreas. Müller RM, et al. **Exp Mol Pathol** 1985 Aug; 43(1):97-106

Effect of chronic treatment with cystic fibrosis fibroblast medium on rat submandibular gland acinar cells. von Euler AM, et al. **Exp Mol Pathol** 1985 Aug;43(1):142-9

Chronic ethanol feeding causes accumulation of serum cholesterol in rat pancreas. Wilson JS, et al. **Exp Mol Pathol** 1984 Dec;41(3):289-97

Peculiar long-term effects of catecholamines and their blockers in rats on insulin, glucose and pancreas. Porta S, et al. **Exp Pathol** 1984;26(4):241-5

The amiloride sensitive Na+/H+ antiport in guinea pig pancreatic acini. Characterization and stimulation by caerulein. Dufresne M, et al. **FEBS Lett** 1985 Jul 22; 187(1):126-30

Rat pancreas contains the proglucagon(64-69) fragment and arginine stimulates its release. Yanaihara C, et al. **FEBS Lett** 1985 Aug 5;187(2):307-10

Pancreatic stone protein. I. Evidence that it is encoded by a pancreatic messenger ribonucleic acid. Giorgi D, et al. **Gastroenterology** 1985 Aug;89(2):381-6

Receptor-selective localization in pancreas. Gibson RE, et al. **Int J Nucl Med Biol** 1985;12(1):29-32

Use of the heterobifunctional cross-linker m-maleimidobenzoyl N-hydroxysuccinimide ester to affinity label cholecystokinin binding proteins on rat pancreatic plasma membranes. Madison LD, et al. **J Biol Chem** 1984 Dec 10;259(23):14818-23

Effect of intracellular Ca2+ on insulin-like growth factor II. internalization into pancreatic acini. Roles of insulin and cholecystokinin. Mössner J, et al. **J Biol Chem** 1984 Oct 25;259(20):12350-6

Relationship between secretagogue-induced Ca2+ release and inositol polyphosphate production in permeabilized pancreatic acinar cells. Streb H, et al. **J Biol Chem** 1985 Jun 25;260(12):7309-15

Molecular forms of glucagon-like peptide-1 in human pancreas and glucagonomas. Uttenthal LO, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):472-9

Influence of sex and body size on pancreatic bicarbonate and enzyme output. Gaia E, et al. **J Clin Gastroenterol** 1984 Oct;6(5):429-33

Characterization of calcium uptake into rough endoplasmic reticulum of rat pancreas. Bayerdörffer E, et al. **J Membr Biol** 1984;81(1):69-82

Single calcium-dependent cation channels in mouse pancreatic acinar cells. Maruyama Y, et al. **J Membr Biol** 1984;81(1):83-7

Effect of inositol-1,4,5-trisphosphate on isolated subcellular fractions of rat pancreas. Streb H, et al. **J Membr Biol** 1984;81(3):241-53

Manganese action on protein synthesis in diabetic rat pancreas: evidence for a possible physiological role. Korc M. **J Nutr** 1984 Nov;114(11):2119-26

Dietary regulation of protein synthesis in the exocrine pancreas. Lahaie RG. **J Pediatr Gastroenterol Nutr** 1984; 3 Suppl 1:S43-50 (51 ref.)

Response of the pancreas to fasting: adult versus neonates. Lee PC. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S127-36

Evidence that somatostatin (SRIF14) is the primary coligand in pancreas required for specific binding of [3H]estradiol in pancreatic tissue: demonstration that [3H]estradiol and [125I]SRIF14 form complexes of varying size with a specific binding protein. Grossman A, et al. **J Steroid Biochem** 1984 Sep;21(3):279-86

Hydrolytic activities of human pancreatic phospholipase A2 and endotoxin-stimulated endogenous phospholipase A2 toward membrane phospholipids of erythrocytes. Nishijima J, et al. **J Surg Res** 1985 Mar;38(3):237-45

Epidermal growth factor binding is altered in pancreatic acini from diabetic rats. Korc M, et al. **Life Sci** 1984 Nov 12; 35(20):2049-55

Pancreatic and hepatic response to carbohydrate ingestion. Waldhäusl WK, et al. **Neth J Med** 1985;28 Suppl 1:15-9 (35 ref.)

Somatostatin analogs: correlation of receptor affinity with inhibition of cyclic AMP formation in pancreatic acinar cells. Taparel D, et al. **Peptides (Fayetteville)** 1985 Jan-Feb; 6(1):109-14

Distribution of elements in the pancreatic exocrine cells determined by electron probe X-ray microanalysis. Nakagaki I, et al. **Pflugers Arch** 1984 Aug;401(4):340-5

Decarboxylation of L-dopa and 5-hydroxytryptophan in dispersed rat pancreas acinar cells. Yu EW, et al. **Pharmacology** 1984;29(4):185-92

Relationship of CCK/gastrin receptor binding to amylase release in dog pancreatic acini. Fourmy D, et al. **Regul Pept** 1984 Dec;10(1):57-68

Characterization of cholecystokinin receptors in bullfrog (Rana catesbeiana) brain and pancreas. Vigna SR, et al. **Regul Pept** 1984 Oct;9(3):199-212

Effect of hemorrhagic and nortriptyline-induced shock on the porcine pancreas as evaluated by changes in serum cationic trypsin-like immunoreactivity. Florholmen J, et al. **Scand J Gastroenterol** 1985 Aug;20(6):720-6

Effects of a cholecystokinin-like peptide on DNA and polyamine synthesis in the rat pancreas. Haarstad H, et al. **Scand J Gastroenterol** 1985 May;20(4):530-8

Alcohol and the integrity of the pancreas. Bockman DE, et al. **Scand J Gastroenterol [Suppl]** 1985;112:106-13

[Study of stereoisomers of N6-phenylisopropyladenosine on the secretion of pancreatic glucagon] Loubatières-Mariani MM, et al. **C R Soc Biol (Paris)** 1985;179(2):230-4 (Eng. Abstr.) **(Fre)**

[Effect of a short-term protein-free diet on endogenous nitrogen secretion: exocrine pancreas secretion in the pig] Corring T, et al. **Reprod Nutr Dev** 1984;24(4):495-506 (Eng. Abstr.) **(Fre)**

[Procedure-reliability studies on radioimmunologic pancreatic glucagon determination] Hildebrandt W, et al. **Z Med Lab Diagn** 1985;26(3):130-7 (Eng. Abstr.) **(Ger)**

[Catecholamine levels in pancreatic tissue after intraperitoneal administration of acetylcholine] Gal'kiv MA, et al. **Fiziol Zh** 1985 Mar-Apr;31(2):230-4 **(Rus)**

[The pancreatic reserve in diabetes mellitus by the determination of serum C-peptide using radioimmunoassay] Arteaga A, et al. **Rev Med Chil** 1984 Apr;112(4):321-9 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Antibacterial activity of the pancreatic fluid. Rubinstein E, et al. **Gastroenterology** 1985 Apr;88(4):927-32

Duck hepatitis B virus is tropic for exocrine cells of the pancreas. Halpern MS, et al. **Virology** 1985 Oct 15; 146(1):157-61

PATHOLOGY

Comparison of convex and linear transducers for sonographic assessment of the liver, spleen, and pancreas. Nakanishi T, et al. **AJR** 1984 Nov;143(5):1110-2

Ultrasonography of the pancreas, liver, and biliary system in cystic fibrosis. Wilson-Sharp RC, et al. **Arch Dis Child** 1984 Oct;59(10):923-6

Rocky Mountain spotted fever. Gastrointestinal and pancreatic lesions and rickettsial infection. Randall MB, et al. **Arch Pathol Lab Med** 1984 Dec;108(12):963-7

Reliability and sensitivity of frozen-section pancreatic biopsy. Campanale RP 2d, et al. **Arch Surg** 1985 Mar;120(3):283-8

Infectious stunting and pancreatic fibrosis in broiler chickens in Saskatchewan. Riddell C, et al. **Avian Dis** 1985 Jan-Mar; 29(1):107-15

Determination of necrosis in necrotizing pancreatitis. Nordback I, et al. **Br J Surg** 1985 Mar;72(3):225-7

Neuropathology of chronic pancreatitis in humans. Keith RG, et al. **Can J Surg** 1985 May;28(3):207-11

Ductal metaplasia of human exocrine pancreas and its association with carcinoma. Parsa I, et al. **Cancer Res** 1985 Mar;45(3):1285-90

Studies on the mechanisms of altered exocrine acinar cell differentiation and ductal metaplasia following nitrosamine exposure using hamster pancreatic explant organ culture. Resau JH, et al. **Carcinogenesis** 1985 Jan;6(1):29-35

Computed tomographic detection of gas within spontaneously necrotic tissue. Silverman PM, et al. **Comput Radiol** 1985 Jan-Feb;9(1):51-5

The effect of pancreatic acinar atrophy upon the concentration of vasoactive intestinal polypeptide, substance P, somatostatin and glucagon in the pancreas and gastrointestinal tract of the rat. Ballmann M, et al. **Digestion** 1985;32(1):70-5

CT guided percutaneous fine-needle biopsy of the pancreas. Lüning M, et al. **Eur J Radiol** 1985 May;5(2):104-8

Comparative radiological and morphological study of human pancreas. Pancreatitis like changes in postmortem ductograms and their morphological pattern. Possible implication for ERCP. Schmitz-Moormann P, et al. **Gut** 1985 Apr;26(4):406-14

Papillary and cystic neoplasm of the pancreas--an acinar cell tumour? Learmonth GM, et al. **Histopathology** 1985 Jan; 9(1):63-79

Relationship between insulin secretion and pancreas morphology in subjects with chronic pancreatitis. Zander E, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:149-54

Minor pancreatic changes [letter] Karier M. **Hum Pathol** 1985 Jul;16(7):756

Histopathological lesions in the pancreas of the BB Wistar rat as a function of age and duration of diabetes. Wright J, et al. **J Comp Pathol** 1985 Jan;95(1):7-14

Structural and developmental abnormalities of the exocrine pancreas in cystic fibrosis. Sturgess JM. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S55-66

Pancreas in non-insulin dependent diabetics [letter] Fonseca V, et al. **Lancet** 1985 Sep 21;2(8456):667

Percutaneous fine-needle aspiration cytology of the pancreas. Nguyen GK. **Pathol Annu** 1985;20 Pt 1:221-38 (35 ref.)

What's new in in vitro studies of exocrine pancreatic cell injury? Resau JH, et al. **Pathol Res Pract** 1985 Mar; 179(4-5):576-88 (105 ref.)

Pancreatic pathology in trisomy 13: specificity of the morphologic lesion. Hashida Y, et al. **Pediatr Pathol** 1983 Apr-Jun;1(2):169-78

Tubeless hypotonic duodenography with water: a simple aid in sonography of the pancreatic head. Op den Orth JO. **Radiology** 1985 Mar;154(3):826

Spontaneous hypertrophic foci of pancreatic acinar cells in CD rats. Chiu T. **Toxicol Pathol** 1983;11(2):115-9

Nesidioblastosis and intermediate cells in the pancreas of patients with hyperinsulinemic hypoglycemia. Bani D, et al. **Virchows Arch [Cell Pathol]** 1985;48(1):19-32

[Peroperative fine needle biopsy of the pancreas] Simonsen O, et al. **Ugeskr Laeger** 1985 Feb 4;147(6):508-10 (Eng. Abstr.) **(Dan)**

[Light and electron microscopic studies of the brain, heart and pancreas in mice infected with MengoM virus] Schmidt R, et al. **Acta Histochem (Jena)** 1984;75(1):47-62 (Eng. Abstr.) **(Ger)**

[Sonographic and sonocytologic pancreas diagnosis] Hancke S. **Internist (Berlin)** 1985 Jan;26(1):43-5 **(Ger)**

[Sonographically monitored intraoperative fine-needle aspiration cytology in pancreatic diseases] Klotter HJ, et al. **Ultraschall Med** 1985 Jun;6(3):139-43 (Eng. Abstr.) **(Ger)**

[Diurnal sonographic imaging potential of the pancreas] Székessy T, et al. **Ultraschall Med** 1985 Jun;6(3):134-6 (Eng. Abstr.) **(Ger)**

[Quantitative histological studies of pancreatic mast cells in sand rats (Psammomys obesus) during formation of a mellitus syndrome. 1. The exocrine pancreas] Hahn von Dorsche H. **Z Mikrosk Anat Forsch** 1984;98(3):362-8 (Eng. Abstr.) **(Ger)**

[Clinician-oriented and cytology-oriented autopsy. III. The pancreas] Niwayama G. **Gan To Kagaku Ryoho** 1985 Sep; 12(9):1885-94 (Eng. Abstr.) **(Jpn)**

[Effect of trypsin inhibitor on rat exocrine pancreas: relationship between the amount of trypsin inhibitor and pancreatic hypertrophy and hyperplasia] Ohki A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jul;81(7):1592-7 (Eng. Abstr.) **(Jpn)**

[Fine needle aspiration biopsy via percutaneous transhepatic catheterization] Nakamura S, et al. **Rinsho Hoshasen** 1984 Sep;29(9):963-7 (Eng. Abstr.) **(Jpn)**

[Preliminary evaluation of diagnostic fine-needle aspiration biopsy of the liver and pancreas conducted under the control of computerized tomography] Sajdak E, et al. **Pol Tyg Lek** 1984 Apr 16;39(16):533-6 **(Pol)**

[Clinico-anatomical analysis of the complications and causes of death in pancreonecrosis] Titova GP, et al. **Arkh Patol** 1985;47(2):65-70 (Eng. Abstr.) **(Rus)**

[Acute pancreonecrosis in a child as a postoperative complication of radical correction of pentalogy of Fallot] Ermakova AI, et al. **Grudn Khir** 1984 Nov-Dec;(6):83-4 **(Rus)**

[Extracorporeal sorption detoxication in the complex treatment of pancreonecrosis] Zatevakhin II, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):3-7 (Eng. Abstr.) **(Rus)**

[Dynamics of the local pathological changes and the surgical procedure in necrotic forms of acute pancreatitis] Filin VI, et al. **Klin Khir** 1984 Nov;(11):47-50 **(Rus)**

[Pancreatic and hepatic punctures under computed tomographic control] Kuzin MI, et al. **Klin Khir** 1984 Nov; (11):16-8 (Eng. Abstr.) **(Rus)**

[Surgical results in pancreatic necrosis] Litvinov VF, et al. **Klin Khir** 1984 Nov;(11):20-2 (Eng. Abstr.) **(Rus)**

[Morphological changes in the pancreas, liver and lungs in acute postoperative pancreatitis] Lupal'tsov VI, et al. **Klin Khir** 1984 Nov;(11):39-40 (Eng. Abstr.) **(Rus)**

[Transcutaneous thin-needle aspiration biopsy under visual echographic control in the diagnosis of pancreatic cancer] Medvedev VE, et al. **Klin Khir** 1984 Nov;(11):18-20 (Eng. Abstr.) **(Rus)**

[Surgical procedure in pancreatic necrosis] Savel'ev VS, et al. **Klin Khir** 1984 Nov;(11):43-5 **(Rus)**

[Intraoperative cytological diagnosis of diseases of the pancreatoduodenal region] Danilov MV, et al. **Sov Med** 1984;(9):77-82 **(Rus)**

[Surgical treatment of pancreonecrosis] Kriger AG. **Vestn Khir** 1985 Apr;134(4):135-8 (53 ref.) **(Rus)**

[Murine model of clinically benign diabetes mellitus of young subjects] Martínez SM, et al. **Medicina (B Aires)** 1984; 44(2):145-52 (Eng. Abstr.) **(Spa)**

[Histofunctional study of the pancreas of the rat, in a state of endotoxemia, caused by endotoxin of Serratia marcescens. Experimental study] Bengoechea González ME, et al. **Rev Clin Esp** 1984 Dec 15-31;175(5-6):195-9 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Evidence that a 'memory' for glucose metabolism desensitizes A-cell responsiveness in the perfused pancreas of the rat. Grill V, et al. **Acta Endocrinol (Copenh)** 1985 Sep; 110(1):114-9

Short-term and long-term effects of pancreatic duct ligation in the chicken. Rideau N, et al. **Ann Nutr Metab** 1985; 29(4):197-208

Administration of human pancreatic growth hormone-releasing factor (GRF) analogs enhances responsiveness of cultured rat pituitary cells to GRF. Heiman ML, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):217-22

The influence of adrenergic denervation on the response to feeding of the gastroenteropancreatic system in man. Frier BM, et al. **Clin Endocrinol (Oxf)** 1984 Dec;21(6):639-47

The exocrine pancreas. **Clin Gastroenterol** 1984 Sep; 13(3):655-1005

Assessment of exocrine pancreatic function by duodenal intubation. Go VL, et al. **Clin Gastroenterol** 1984 Sep; 13(3):701-15 (62 ref.)

Bile exclusion from the duodenum. Its effect on gastric and pancreatic function in the dog. Davies HA, et al. **Dig Dis Sci** 1985 Oct;30(10):954-60

Exocrine pancreatic function in rats after acute trypsin inhibitor treatment. Otsuki M, et al. **Dig Dis Sci** 1985 Mar; 30(3):263-8

Pancreatic function after endoscopic and surgical occlusion of the pancreatic duct in patients with chronic pancreatitis. Pap A, et al. **Endoscopy** 1985 Mar;17(2):60-3

Reversible effects of heptanol on gap junction structure and cell-to-cell electrical coupling. Bernardini G, et al. **Eur J Cell Biol** 1984 Jul;34(2):307-12

Hyperglycemia induces intestinal sucrase activity in subtotally pancreatectomized rats. Takeguchi T, et al. **Gastroenterol Jpn** 1985 Feb;20(1):20-7

Pressure, volume and the pancreas. Armstrong CP, et al. **Gut** 1985 Jun;26(6):615-24

Response of extrapancreatic immunoreactive glucagon to intraluminal nutrients in pancreatectomized dogs. Ohneda A, et al. **Horm Metab Res** 1984 Jul;16(7):344-8

Adrenergically mediated intrapancreatic control of the glucagon response to glucopenia in the isolated rat pancreas. Hisatomi A, et al. **J Clin Invest** 1985 Feb; 75(2):420-6

Action of tetraethylammonium on calcium-activated potassium channels in pig pancreatic acinar cells studied by patch-clamp single-channel and whole-cell current recording. Iwatsuki N, et al. **J Membr Biol** 1985; 86(2):139-44

Development of pancreatic function and control of pancreatic growth in an animal model. Morisset J, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S36-42 (24 ref.)

Pancreatic neuroendocrine responses to butyrate in conscious sheep. Bloom SR, et al. **J Physiol (Lond)** 1985 Jul;364:281-8

Trophic, biochemical and functional changes in submaxillary glands and pancreas induced by chronic alcohol feeding as indirect effect mediated by parasympathetic autonomic centers. Perec CJ, et al. **Mt Sinai J Med (NY)** 1984 Dec; 51(6):664-74

Mechanism of action of cholecystokinin: a not atypical brain-gut peptide. Williams JA. **Nippon Naibunpi Gakkai Zasshi** 1985 May 20;61(5):533-40

Patch-clamp study of rubidium and potassium conductances in single cation channels from mammalian exocrine acini. Gallacher DV, et al. **Pflugers Arch** 1984 Aug;401(4):361-7

Effects of alpha-difluoromethylornithine on pancreatic growth induced by caerulein. Benrezzak O, et al. **Regul Pept** 1984 Oct;9(3):143-53

Neonatal pancreatic function in infants born to mothers with gestational and overt diabetes. de Villiers TJ, et al. **S Afr Med J** 1984 Nov 3;66(18):690-3

Pancreatic tissue pressure: techniques and pathophysiological aspects. Ebbehøj N, et al. **Scand J Gastroenterol** 1984 Nov; 19(8):1066-8

Hormones and polyamines in intestinal and pancreatic adaptation. Dowling RH, et al. **Scand J Gastroenterol [Suppl]** 1985;112:84-95

[Experimental studies on regeneration of the pancreas--morphological and functional restoration of the remnant pancreas after major pancreatectomy] Yano T. **Nippon Geka Gakkai Zasshi** 1985 Apr;86(4):470-81 (Eng. Abstr.) **(Jpn)**

[Effect of simultaneous partial pancreatectomy on liver regeneration in domestic chickens] Dzhivanian KA. **Biull Eksp Biol Med** 1985 Jun;99(6):744-7 (Eng. Abstr.) **(Rus)**

[Structural changes in the testis in complete removal of the pancreas and its resection] Poliak RI, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):351-4 (Eng. Abstr.) **(Rus)**

[Correction of carbohydrate metabolic disorders in pancreatectomized rats by transplantation of the islands of Langerhans into the liver] Korotkina RN, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct;(5):54-7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pancreatic growth and enzyme profiles in weanling rats with normophagic hypothalamic obesity. Bernardis LL, et al. **Can J Physiol Pharmacol** 1984 Dec;62(12):1533-8

Residual function of exocrine pancreas after operation for chronic pancreatitis by N-benzoyl-L-tyrosyl-p-aminobenzoic acid test (NBT-PABA test). Kodama M, et al. **Digestion** 1984; 30(1):41-6

Exocrine pancreatic function in asymptomatic chronic alcoholics without structural pancreatic disease. Nagata A, et al. **Gastroenterol Jpn** 1985 Apr;20(2):125-30

Human pancreatic acinar cells: studies of stimulus-secretion coupling. Petersen OH, et al. **Gastroenterology** 1985 Jul; 89(1):109-17

Pancreatic digestive function after subtotal gastrectomy--evaluation by an indirect method. Malfertheiner P, et al. **Hepatogastroenterology** 1984 Aug; 31(4):172-5

Changes of the pancreatic exocrine function in new canine model of pancreaticoduodenectomy by BTPABA test. Tanaka T, et al. **Hiroshima J Med Sci** 1984 Dec; 33(4):727-30

Hormonal profile after insulin-induced hypoglycemia in chronic calcific pancreatitis. Pancreatic, pituitary and adrenal responses. Joffe BI, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:134-7

Elevated serum immunoreactive pancreatic cationic trypsinogen in acute malnutrition: evidence of pancreatic damage. Durie PR, et al. **J Pediatr** 1985 Feb;106(2):233-8

The pancreas in cystic fibrosis. An update on ontogeny and physiology, on alterations of function and structure, and on the treatment of pancreatic insufficiency and malnutrition. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S1-170

Pathophysiology of the pancreas in cystic fibrosis. Adelson JW. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S74-8 (17 ref.)

Pancreatic function testing in cystic fibrosis. Durie PR, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S89-98

The role of biogenic amines in the regulation of exocrine gland function: a possible mechanism for the pathogenesis of cystic fibrosis. Tenenhouse A, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S19-24

Carbohydrate tolerance in cystic fibrosis is closely linked to pancreatic exocrine function. Geffner ME, et al. **Pediatr Res** 1984 Nov;18(11):1107-11

Folate deficiency and pancreatic acinar cell function. Elseweidy M, et al. **Proc Soc Exp Biol Med** 1984 Nov; 177(2):247-52

Pathophysiological aspects of pancreatic diseases in childhood. The case of cystic fibrosis. Mastella G, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):367-81

[Evaluation of pancreatic exocrine function in various pancreatic disorders by pancreatic function diagnostant (PFD) test] Lin JT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Oct;83(10):996-1000 (Eng. Abstr.) **(Chi)**

[N-benzoyl-L-tyrosyl-para-aminobenzoic acid test (PABA test) in children] Rieu D, et al. **Ann Pediatr (Paris)** 1985 Mar;32(3):205-8 (Eng. Abstr.) **(Fre)**

[Use of the pancreolauryl test in the diagnosis of exocrine pancreatic insufficiency. Preliminary results] Origlia C, et al. **Boll Soc Ital Biol Sper** 1985 Feb 28;61(2):205-13 (Eng. Abstr.) **(Ita)**

[Experimental and clinical studies on operative methods of pancreaticojejunostomy in reference to the process of wound healing and postoperative pancreatic function] Fueki K. **Nippon Geka Gakkai Zasshi** 1985 Jun;86(6):725-37 (Eng. Abstr.) **(Jpn)**

[The influence of obstructive jaundice on wound healing of pancreatico-jejunostomy with reference to the function of the pancreas as assessed by glucose tolerance and pancreozymin-secretin test] Takahashi S. **Nippon Geka Gakkai Zasshi** 1984 Oct;85(10):1332-43 (Eng.

Abstr.) **(Jpn)**

[Exocrine function of the pancreas in juvenile onset diabetes mellitus. I. pH, duodenal content volume and bicarbonate concentration and secretion] Perczak-Dudkowska B, et al. **Pediatr Pol** 1984 Aug;59(8):605-12 (Eng. Abstr.) **(Pol)**

[Exocrine function of the pancreas in juvenile onset diabetes mellitus. II. Lipase and pancreatic amylase activity (concentration) and secretion of enzymatic protein] Perczak-Dudkowska B, et al. **Pediatr Pol** 1984 Aug; 59(8):613-22 (Eng. Abstr.) **(Pol)**

[Physiological and biochemical characteristics of changes in pancreatic secretory activity during the development of atrophy in dogs] Troitskaia VB, et al. **Fiziol Zh SSSR** 1984 Dec;70(12):1683-90 (Eng. Abstr.) **(Rus)**

[Functional and neuromorphological interrelation of the extra-hepatic bile ducts and the pancreas in acute cholecystitis in an experiment] Kovalev MM, et al. **Klin Khir** 1984 Sep;(9):56-8 (Eng. Abstr.) **(Rus)**

[Clinical characteristics of lesions of the celiac artery branch of the abdominal aorta] Abulov MKh, et al. **Klin Med (Mosk)** 1984 Aug;62(8):46-51 (Eng. Abstr.) **(Rus)**

[Functional aftereffects of resection of the pancreas] Blagovidov DF, et al. **Sov Med** 1985;(4):46-50 (57 ref.) **(Rus)**

[Functional state of the pancreas in workers exposed to the long-term action of lead] Timoshina IV, et al. **Ter Arkh** 1985;57(2):91-5 (Eng. Abstr.) **(Rus)**

[Pancreatic function in hepatitis A] Podlevskiĭ AF, et al. **Vrach Delo** 1985 Jan;(1):113-6 (Eng. Abstr.) **(Rus)**

[Digestive tract changes of the malnourished child] Römer H. **GEN** 1983 Jan-Jun;37(1-2):146-56 **(Spa)**

RADIOGRAPHY

Computed tomography of the pancreas. Freeny PC. **Clin Gastroenterol** 1984 Sep;13(3):791-818 (43 ref.)

Pancreatography in chronic pancreatitis: international definitions. Axon AT, et al. **Gut** 1984 Oct;25(10):1107-12

Early detection of pancreatic lesions in chronic alcoholism: diagnostic accuracy of ERP. Testoni PA, et al. **J Clin Gastroenterol** 1984 Dec;6(6):519-23

Respiratory movements of the pancreas [letter] Kaude JV. **J Ultrasound Med** 1985 Jan;4(1):6

Studies on the computed tomography of the pancreas in patients of liver cirrhosis. Katsumata K, et al. **Nagoya J Med Sci** 1985 Mar;47(3-4):77-82

[Changes in the size of the pancreas and kidneys in type I diabetics detected by computer tomography] Bruna J, et al. **Cesk Radiol** 1985 Jan;39(1):9-13 (Eng. Abstr.) **(Cze)**

[Computed tomographic morphometry of the normal pancreas in adults] Heuck A, et al. **ROFO** 1985 May; 142(5):519-23 (Eng. Abstr.) **(Ger)**

[Pancreatic lesions in Sjogren's syndrome] Oribe K. **Fukuoka Igaku Zasshi** 1985 Mar;76(3):55-66 (Eng. Abstr.) **(Jpn)**

[Studies on the relationship between computed tomography of the pancreas and age factors and body constitution] Katsumata K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):2992-5 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

^{111}Indium-labelled lymphocytes do not image or label the pancreas of the BB/W rat. Gallina DL, et al. **Diabetologia** 1985 Mar;28(3):143-7

Pancreas accumulation of radioiodinated HIPDM in mice and rats. Yamamoto K, et al. **J Nucl Med** 1985 Jul; 26(7):765-9

SECRETION

Pancreatic function in patients with hyperparathyroidism. A study with the Lundh test. Cho JW, et al. **Acta Chir Scand** 1985;151(4):323-5

The PABA test as a measure of pancreatic function. Comparison with the secretin-cholecystokinin test. Schiøtz PO, et al. **Acta Paediatr Scand** 1985 May;74(3):460-1

Periodic interdigestive secretion [letter] Magee DF. **Am J Physiol** 1985 Jun;248(6 Pt 1):G747-50

Nicotine stimulation of protein secretion from isolated rat pancreatic acini. Majumdar AP, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):G158-63

Relation between free cytosolic calcium and amylase release by pancreatic acini. Ochs DL, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):G389-98

Role of cholecystokinin in pancreatic exocrine response to intraluminal amino acids and fat. Stubbs RS, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):G347-52

Effect of aging on pancreatic secretion in rats. Khalil T, et al. **Am J Surg** 1985 Jan;149(1):120-5

Excretion of cephalothin and cefamandole by the normal pancreas and in acute pancreatitis in dogs. Studley JG, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):262-5

The effect of ranitidine on exocrine pancreatic secretion in the rat. Chariot J, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):166-76

Effects of thyrotropin-releasing hormone on pancreatic exocrine secretion in the dog. Yamagishi F, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):159-65

Difference in dose-response curves for glucose-induced insulin and somatostatin release in rat pancreas. Dettori-Gera C, et al. **Biochim Biophys Acta** 1985 May 8;839(3):281-6

Phosphatidylinositol hydrolysis and phosphatidylinositol 4',5-diphosphate hydrolysis are separable responses during secretagogue action in the rat pancreas. Farese RV, et al. **Biochim Biophys Acta** 1985 Aug 30;846(2):296-304

The mechanism of fluid secretion in the rabbit pancreas studied by means of various inhibitors. Kuijpers GA, et al. **Biochim Biophys Acta** 1984 Dec 5;778(2):324-31

Effects of adenosine, adenosine triphosphate and structural analogues on glucagon secretion from the perfused pancreas of rat in vitro. Chapal J, et al. **Br J Pharmacol** 1984 Dec;83(4):927-33

Effects of small amygdaloid lesions on pancreatic exocrine secretion. Mine K, et al. **Brain Res** 1985 Aug 5;340(1):9-18

Secretagogues cause a preferential discharge of large size granules in rat pancreas. Beaudoin AR, et al. **Can J Biochem Cell Biol** 1984 Dec;62(12):1288-92

Regulation of pancreatic secretion. Solomon TE. **Clin Gastroenterol** 1984 Sep;13(3):657-78 (96 ref.)

A new benzothiadiazine derivative, LN 5330: effects on pancreatic hormones. Hillaire-Buys D, et al. **Diabetologia** 1984 Dec;27(6):583-6

Oversecretion of glucagon by pancreases of ventromedial hypothalamic-lesioned rats: a re-evaluation of a controversial topic. Rohner-Jeanrenaud F, et al. **Diabetologia** 1984 Nov;27(5):535-9

Increased interdigestive pancreatic trypsin secretion in alcoholic pancreatic disease. Brugge WR, et al. **Dig Dis Sci** 1985 May;30(5):431-9

Lack of adaptive changes in human pancreatic amylase and lipase secretion in response to high-carbohydrate, low-fat diet applied by a 10-day continuous intraduodenal infusion. Emde C, et al. **Dig Dis Sci** 1985 Mar;30(3):204-10

Inhibition of pancreatic exocrine secretion and bile entry into the duodenum by isometheptene, a sympathomimetic agent. Gullo L, et al. **Dig Dis Sci** 1985 Feb;30(2):114-8

Effects of verapamil on exocrine pancreatic secretion in man. Niederau C, et al. **Dig Dis Sci** 1985 Jan;30(1):72-7

Effect of endorphins on amylase secretion from rat pancreas in vivo and in vitro. Singh M. **Dig Dis Sci** 1985 Mar; 30(3):257-62

Effect of parenteral amino acids on human pancreatic exocrine secretion. Variyam EP, et al. **Dig Dis Sci** 1985 Jun;30(6):541-6

Nonparallelism of digestive enzymes in rat pancreatic hypersecretion. De Waele B, et al. **Digestion** 1985; 31(4):213-9

Effect of a specific serine protease inhibitor on the rat pancreas: systemic administration of camostate and exocrine pancreatic secretion. Göke B, et al. **Digestion** 1984; 30(3):171-8

Inhibition of pancreatic secretory and trophic response to caerulein by the H2-receptor antagonist ranitidine in the rat. Varga G, et al. **Digestion** 1985;31(4):177-82

Multiple effects of leucine on glucagon, insulin, and somatostatin secretion from the perfused rat pancreas. Leclercq-Meyer V, et al. **Endocrinology** 1985 Mar; 116(3):1168-74

Parathyroid hormone enhances glucagon secretion from the isolated perfused rat pancreas preparation. Wingert TD, et al. **Endocrinology** 1985 Jun;116(6):2469-72

Loperamide-induced inhibition of pancreatic secretion in rats. Appia F, et al. **Eur J Pharmacol** 1984 Aug 3; 103(1-2):71-9

Reversible acetaldehyde inhibition of A23187-stimulated amylase secretion from isolated rat pancreatic acini. Lewin MB, et al. **FEBS Lett** 1985 May 20;184(2):259-62

Cephalic phase of pancreatic secretion [letter] Beglinger C, et al. **Gastroenterology** 1985 Feb;88(2):604

Glucose-insulin interactions on exocrine secretion from the perfused rat pancreas. Bruzzone R, et al. **Gastroenterology** 1984 Dec;87(6):1305-12

Effects of acute hypercalcemia on exocrine pancreatic secretion in the cat. Layer P, et al. **Gastroenterology** 1985 May;88(5 Pt 1):1168-74

Gastric emptying and sieving of solid food and pancreatic and biliary secretions after solid meals in patients with nonresective ulcer surgery. Mayer EA, et al. **Gastroenterology** 1984 Dec;87(6):1264-71

Adrenergic regulation of insulin secretion from the chicken pancreas in vitro. Meglasson MD, et al. **Gen Comp Endocrinol** 1984 Oct;56(1):82-9

Comparative effects of somatostatin-28 and somatostatin-14 on basal growth hormone release and pancreatic function in immature ducks (Anas platyrhynchos). Strosser MT, et al. **Gen Comp Endocrinol** 1984 Nov;56(2):265-70

Effect of long-term administration of dietary fiber on the exocrine pancreas in the rat. Sommer H, et al. **Hepatogastroenterology** 1984 Aug;31(4):176-9

Effect of pancreatic glucagon upon secretion of extrapancreatic glucagon in dogs. Ohneda A, et al. **Horm Metab Res** 1985 Jul;17(7):377

Evidence for unimpaired pancreatic secretion and hepatic removal of insulin in healthy offspring of type 2 (noninsulin-dependent) diabetic couples. Bonora E, et al. **Horm Res** 1984;20(2):138-42

Effect of muscular exercise on gastric and pancreatic secretory function. Kuznetsov AP. **Hum Physiol** 1983 Nov-Dec;9(6):409-16

Entero-pancreatic reflexes revealed by duodenal anesthesia in the dog. Biedzinski TM, et al. **J Auton Nerv Syst** 1985 Jun;13(2):111-23

Effect of corticotropin-like intermediate lobe peptide on pancreatic exocrine function in isolated rat pancreatic lobules. Marshall JB, et al. **J Clin Invest** 1984 Nov; 74(5):1886-9

Pancreatic hormones, insulin/glucagon molar ratios, and somatostatin as determinants of avian carbohydrate metabolism. Hazelwood RL. **J Exp Zool** 1984 Dec; 232(3):647-52

Effect of indigestible polysaccharides on pancreatic exocrine secretion and biliary output. Ikegami S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Dec;30(6):515-23

Stimulus-secretion coupling in pancreatic acinar cells. Burnham DB, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S1-10 (44 ref.)

The role of motilin in periodic interdigestive pancreatic secretion in dogs. Magee DF, et al. **J Physiol (Lond)** 1984 Oct;355:441-7

Stimulating effect of duodenal alkalinization on pancreatic exocrine secretion in rats. Kato S. **Jpn J Physiol** 1985; 35(1):159-61

Cholinergic stimulation of pancreatic amylase release and muscarinic receptors: effect of ionophore A23187. Larose L, et al. **Life Sci** 1985 Jul 22;37(3):255-61

Vagal modulation of arginine- and glucagon-induced pancreatic somatostatin secretion. Seino Y, et al. **Life Sci** 1985 Aug 19;37(7):651-6

The effect of age on human exocrine pancreatic secretion. Dreiling DA, et al. **Mt Sinai J Med (NY)** 1985 May; 52(5):336-9

Enteropancreatic reflexes 2. The effect of jejunal distension. Salinas A, et al. **Mt Sinai J Med (NY)** 1985 May;52(5):331-5

The relationship of hyperactivity of the duodenal autonomic nervous brain and enhanced 'pancreon' secretory response to CCK-PZ in chronic alcoholism. Tiscornia OM, et al. **Mt Sinai J Med (NY)** 1984 Dec;51(6):650-63

Pancreatic fluid secretion and protein hyperconcentration in cystic fibrosis. Kopelman H, et al. **N Engl J Med** 1985 Feb 7;312(6):329-34

Effects of in vitro and in vivo ethanol and acetaldehyde on exocrine pancreatic secretion. Manabe T. **Nippon Geka Hokan** 1985 Jan 1;54(1):3-9

Modulation of insulin and glucagon secretion from the perfused rat pancreas by the neurohypophysial hormones and by desamino-D-arginine vasopressin (DDAVP). Dunning BE, et al. **Peptides (Fayetteville)** 1984 Sep-Oct; 5(5):871-5

Effect of exogenous and endogenous insulin on the secretory response of the pancreas to the octapeptide of cholecystokinin (CCK8) in normal rats. Sofranková A. **Physiol Bohemoslov** 1984;33(5):391-8

Exocrine pancreatic secretion in response to a new CCK-analog, CCK33 and caerulein in dogs. Beglinger C, et al. **Regul Pept** 1984 Jul;8(4):291-6

Effect of medium-chain triglycerides and long-chain triglycerides on plasma pancreatic polypeptide secretion in man. de Jong AJ, et al. **Regul Pept** 1985 May;11(1):77-81

Immunoreactive cholecystokinin in human and rat plasma: correlation of pancreatic secretion in response to CCK. Izzo RS, et al. **Regul Pept** 1984 Sep;9(1-2):21-34

Pancreatic enzyme synthesis in pancreatic disease. Boyd EJ, et al. **Scand J Gastroenterol** 1985 Aug;20(6):734-40

Effect of intravenous and intraduodenal administration of Escherichia coli endotoxin on the porcine pancreas as evaluated by changes in the serum cationic trypsin-like immunoreactivity. Florholmen J, et al. **Scand J Gastroenterol** 1985 Apr;20(3):279-84

Evaluation of the marker technique for measurement of exocrine pancreatic secretion rate. Rune SJ, et al. **Scand J Gastroenterol** 1985 May;20(4):525-9

Pancreatic secretion by nonparallel exocytosis: potential resolution of a long controversy. Adelson JW, et al. **Science** 1985 May 24;228(4702):993-6

Colonic inhibition of cholecystokinin release and pancreatic protein secretion in dogs. Inoue K, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):423-8

[Preparation of dispersed pancreatic acini in vitro and their application] Pan GZ. **Sheng Li Ko Hsueh Chin Chan** 1984 Jan;15(1):18-23 **(Chi)**

[Effect of 5-thioglucose on external pancreatic secretion in rats. Comparison with 2-deoxyglucose] Appia F, et al. **Gastroenterol Clin Biol** 1984 Oct;8(10):746-8 (Eng. Abstr.) **(Fre)**

[Regulation of pancreatic secretion by negative feedback and blood gastrointestinal hormones in the pig] Corring T, et al. **Reprod Nutr Dev** 1985;25(2):439-50 (Eng. Abstr.) **(Fre)**

[Pancreatic secretion in domestic sprue] Otte M, et al. **Dtsch Med Wochenschr** 1985 Feb 15;110(7):259-64 (Eng. Abstr.) **(Ger)**

[Reduction of insulin reserves and exocrine pancreatic secretion in chronic pancreatitis] Stock KP, et al. **Dtsch Med Wochenschr** 1985 Jan 25;110(4):134-6 (Eng. Abstr.) **(Ger)**

[Pathophysiological and clinical problems of pancreatic function] Papp M. **Orv Hetil** 1985 Apr 21;126(16):947-54 (Eng. Abstr.) **(Hun)**

[Endocrine pancreas in an old age] Toyota T, et al. **Nippon Ronen Igakkai Zasshi** 1984 Mar;21(2):90-4 (Eng. Abstr.) **(Jpn)**

[Effect of gastrin releasing peptide on exocrine pancreatic secretion and plasma levels of CCK and PP in conscious dogs] Hosotani R, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Apr;82(4):664-72

(Eng. Abstr.) **(Jpn)**

[The effect of intraduodenal calcium on pancreatic secretion in the rat] Miyasaka K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Aug;81(8):1824–9 (Eng. Abstr.) **(Jpn)**

[Various parameters of the exocrine function of the pancreas in patients with uremia treated by dialyses] Grzegorzewska A, et al. **Przegl Lek** 1984;41(6):423–8 (Eng. Abstr.) **(Pol)**

[Effect of bombesin and its N- and C end fragments and their analogs on the secretory function of the pancreas] Fokina AA, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):838–41 **(Rus)**

[Pharmacological regulation of the exocrine function of the pancreas] Frol'kis AV. **Klin Med (Mosk)** 1984 Oct; 62(10):23–9 **(Rus)**

[Endocrine function of the pancreas in acute pancreatitis] Iakhontova OI, et al. **Klin Med (Mosk)** 1985 Mar;63(3):60–4 (Eng. Abstr.) **(Rus)**

[Hydroelactic and ecbolic of piprozoline on basal bile-pancreatic secretion in rats] Tiscornia OM, et al. **Acta Gastroenterol Latinoam** 1984;14(1):13–25 (Eng. Abstr.) **(Spa)**

[Nervous system regulation of exocrine pancreatic secretion in the chicken] Salido GM, et al. **Rev Esp Fisiol** 1985 Mar; 41(1):11–7 (Eng. Abstr.) **(Spa)**

SURGERY

Surgical treatment of pancreatitis. Warshaw AL. **Ala J Med Sci** 1985 Jan;22(1):36–9

Comparative studies of plasma secretin response after reconstructive surgery of the stomach and pancreas. Satake K, et al. **Ann Surg** 1985 Apr;201(4):447–51

In situ freezing of the pancreas and portal vein in the pig. McIntosh GS, et al. **Cryobiology** 1985 Apr;22(2):183–90

Surgery for carcinoma of the pancreas and periampullary structures: complications of resectional and palliative procedures. Lee YT. **J Surg Oncol** 1984 Dec;27(4):280–5

Pyloric preservation with the Whipple procedure. Braasch JW, et al. **Surg Clin North Am** 1985 Apr;65(2):263–71

Long term results of pancreaticojejunostomy in chronic pancreatitis. Holmberg JT, et al. **Surg Gynecol Obstet** 1985 Apr;160(4):339–46

A simple technique for resection of the uncinate process during pancreatectomy. Reiner MA, et al. **Surg Gynecol Obstet** 1985 Feb;160(2):166–7

Chronic pancreatitis: long-term surgical results of pancreatic duct drainage, pancreatic resection, and near-total pancreatectomy and islet autotransplantation. Morrow CE, et al. **Surgery** 1984 Oct;96(4):608–16

['Dish-opening' of the omental pouch in the treatment of hemorrhagic necrotizing pancreatitis] Wu D, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jan;23(1):19–21, 62 (Eng. Abstr.) **(Chi)**

[Proximal duodenopancreatectomy in the treatment of tumors of the bilio-pancreatic junction] Gelin M, et al. **Acta Chir Belg** 1984 Sep–Oct;84(5):319–25 (Eng. Abstr.) **(Fre)**

[The value of proximal duodenopancreatectomy for tumors of the biliary-pancreatic junction] Lerut J, et al. **Acta Chir Belg** 1984 Sep–Oct;84(5):313–8 (Eng. Abstr.) **(Fre)**

[Autotransfusion in bilio-pancreatic bypass for the functional surgical therapy of obesity. Preliminary report] Friedman D, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):715–20 (Eng. Abstr.) **(Ita)**

[Urinary excretion of oxalate after bilio-pancreatic bypass for obesity] Friedman D, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):721–6 (Eng. Abstr.) **(Ita)**

[Development of the partial biliopancreatic bypass for obesity] Scopinaro N, et al. **Minerva Chir** 1984 Oct 15; 39(19):1299–305 **(Ita)**

[Clinical and biohumoral evaluation of the use of somatostatin after surgery in the biliary-pancreatic area] Purri P, et al. **Minerva Dietol Gastroenterol** 1985 Apr–Jun;31(2):105–7 (Eng. Abstr.) **(Ita)**

[Automatic device for cooling the pancreas] Lokhvitskiĭ SV, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):116–8 **(Rus)**

[Pancreatojejunostomy in chronic pancreatitis] Panchenko SN. **Vestn Khir** 1984 Aug;133(8):38–40 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

One hundred pancreas transplants at a single institution. Sutherland DE, et al. **Ann Surg** 1984 Oct;200(4):414–40

An in situ evaluation of distal splenic arteriovenous fistula on pancreas function in an isolated pancreas segment. Garvin PJ, et al. **Arch Surg** 1985 Oct;120(10):1148–51

111-Indium platelets in monitoring pancreatic allografts in man. Jurewicz WA, et al. **Br J Surg** 1985 Mar;72(3):228–31

Metabolic control of type I (insulin dependent) diabetes after pancreas transplantation. Pozza G, et al. **Br Med J [Clin Res]** 1985 Aug 24;291(6494):510–3

Effect of initial developmental stage on morphology of transplanted embryonic chick pancreas. Bjorenson JE. **Cell Tissue Res** 1985;240(2):367–73

A rapid radioimmunoassay for insulin suitable for testing pancreatic tissue prior to transplantation. Besch W, et al. **Clin Chim Acta** 1984 Sep 29;142(2):249–55

Prevention of kidney graft diabetic nephropathy by pancreas transplantation in man. Bohman SO, et al. **Diabetes** 1985 Mar;34(3):306–8

Long-term follow-up of canine segmental pancreatic autografts. Cutfield RG, et al. **Diabetes** 1985 Feb; 34(2):174–8

Histologic differentiation of human fetal pancreatic explants transplanted into nude mice. Tuch BE, et al. **Diabetes** 1984 Dec;33(12):1180–7

Report of the third workshop of the EASD study group on artificial insulin delivery systems, pancreas and islet transplantation (AIDSPIT). 5–7 February 1984, Igls, Austria. Pfeiffer EF. **Diabetologia** 1984 Dec;27(6):607–8

Recent experience with 89 pancreas transplants at a single institution. Sutherland DE, et al. **Diabetologia** 1984 Jul;27 Suppl:149–53

Thirty months' experience with cyclosporin in human pancreatic transplantation. Traeger J, et al. **Diabetologia** 1984 Jul;27 Suppl:154–6

Incidence of trimethoprim-sulfamethoxazole-resistant enterobacteriaceae among transplant recipients. Wells CL, et al. **J Infect Dis** 1984 Nov;150(5):699–706

Effect of a cyclic hexapeptide analog (L363,586) of somatostatin on the function of pancreas grafts in dogs. Liu T, et al. **J Surg Res** 1985 Jul;39(1):39–45

Translumbar splenectomy in human kidney transplant recipients. Van Poppel H, et al. **J Urol** 1985 Aug; 134(2):247–8

Recurrent diabetes mellitus in the pancreas iso- and allograft. A light and electron microscopic and immunohistochemical analysis of four cases. Sibley RK, et al. **Lab Invest** 1985 Aug;53(2):132–44

Interaction between pancreas transplant and native pancreas [letter] Dandona P, et al. **Lancet** 1985 Aug 3;2(8449):281

Amylase activity and pancreas transplants [letter] Hesse UJ, et al. **Lancet** 1985 Sep 28;2(8457):726

Interaction between pancreas transplant and native pancreas [letter] Tydén G, et al. **Lancet** 1985 Jun 29;1(8444):1514–5

Canine pancreatic allotransplantation with duodenum (pancreaticoduodenal transplantation) using cyclosporin A. Morimoto T, et al. **Nagoya J Med Sci** 1985 Jan; 47(1–2):57–66

Multiple organ procurement. Margreiter R. **Neth J Med** 1985; 28(6):222–5

Organ transplantation in diabetics. Synopsis of the 1983 symposium. Van Schilfgaarde R. **Neth J Med** 1985; 28(6):246–53

Typing of human fetal organs for the histocompatibility antigens A, B and DR. Tuch BE, et al. **Pathology** 1985 Jan;17(1):57–61

Segmental pancreatic allograft survival in baboons treated with combined irradiation and cyclosporine: a preliminary report. du Toit DF, et al. **Surgery** 1985 Apr;97(4):447–54

Experimental pancreas allograft rejection: correlation between histologic and functional rejection and the efficacy of antirejection therapy. Schulak JA, et al. **Surgery** 1985 Aug;98(2):330–7

Twin-to-twin pancreas transplantation: reversal and reenactment of the pathogenesis of type I diabetes. Sutherland DE, et al. **Trans Assoc Am Physicians** 1984; 97:80–7

Organ transplantation. Pancreas. **Transplant Proc** 1985 Feb; 17(1 Pt 1):302–427

Advances in human neoprene-injected pancreas transplantation: experience with 47 cases. Dubernard JM, et al. **Transplant Proc** 1984 Oct;16(5):1267–9

Whole organ and pancreaticoureterostomy in clinical pancreas transplantation. Gil-Vernet JM, et al. **Transplant Proc** 1985 Aug;17(4):2019–22

Venous thrombosis following segmental pancreatic transplantation using latex duct occlusion. Gray DW, et al. **Transplant Proc** 1985 Aug;17(4):2026–8

Initial human pancreas transplantation and attempts to improve pancreatic duct anastomosis. Harle IA, et al. **Transplant Proc** 1985 Aug;17(4):1955–8

Is preserved exocrine secretion mandatory for optimal endocrine function in vascularized pancreas transplantation? Klempnauer J, et al. **Transplant Proc** 1984 Oct;16(5):1279–82

Splenic artery interposition in animal and human segmental pancreatic transplantation. Kočandrle V, et al. **Transplant Proc** 1984 Oct;16(5):1283–4

Subtotal pancreas transplantation. Margreiter R, et al. **Transplant Proc** 1984 Oct;16(5):1277–8

Endocrine and metabolic profiles in insulin-dependent diabetics treated with continuous subcutaneous insulin infusion and pancreas transplantation: a comparison. Pozza G, et al. **Transplant Proc** 1984 Oct;16(5):1274–6

Total lymphoid irradiation in canine pancreatic allograft recipients. Stewart GJ, et al. **Transplant Proc** 1985 Apr; 17(2):1731–3

Human fetal pancreatic explants: their histologic development after transplantation into nude mice. Tuch BE, et al. **Transplant Proc** 1985 Apr;17(2):1734–8

Recent experience with pancreatic transplantation at Huddinge Hospital. Tydén G, et al. **Transplant Proc** 1984 Oct;16(5):1270–3

Pancreas transplantation 1983: where do we stand? van Schilfgaarde R. **Transplant Proc** 1984 Oct;16(5):1287–9

Acinar structure and function in canine pancreatic autografts with duct drainage into the urinary bladder. MacAulay MA, et al. **Transplantation** 1985 May;39(5):490–5

Pancreas transplants from related donors. Sutherland DE, et al. **Transplantation** 1984 Dec;38(6):625–33

[Selection of candidates for transplantation of the pancreas] Bartoš V, et al. **Cas Lek Cesk** 1985 Feb 15;124(7):193–7 (Eng. Abstr.) **(Cze)**

[Diabetic autonomic neuropathy in candidates for emergency and prospective pancreatic transplantation] Sroňková H, et al. **Cas Lek Cesk** 1985 Jun 21;124(25):791–4 (Eng. Abstr.) **(Cze)**

[Autotransplantation in endocrine surgery] Wagner PK, et al. **Dtsch Med Wochenschr** 1984 Oct 19;109(42):1609–14 **(Ger)**

[Pancreas and pancreatic island transplantation in diabetes mellitus] Bretzel RG. **Fortschr Med** 1985 May 15; 103(19):497–500 (Eng. Abstr.) **(Ger)**

[Experimental model of pancreas transplantation in the rat] Florack G. **Langenbecks Arch Chir** 1985;363(4):225–6 **(Ger)**

[Models and perspectives of pancreas transplantation in the rat. I. Comparison of various transplantation models in the syngeneic system] Schang T, et al. **Langenbecks Arch Chir** 1985;363(4):227–34 (Eng. Abstr.) **(Ger)**

[Models and perspectives of pancreas transplantation in the rat. II. Course of rejection of pancreaticoduodenal transplants of various histoincompatibility and the effect of temporary therapy with cyclosporin (Sandimmun)] Timmermann W, et al. **Langenbecks Arch Chir** 1985; 363(4):235–43 (Eng. Abstr.) **(Ger)**

[Improvement of life expectancy by pancreas transplantation?] Schwedes U, et al. **Lebensversicherungsmedizin** 1984 Aug 27;36(7):159–62 (Eng. Abstr.) **(Ger)**

[Transplant of a segment of pancreas with ligated duct in the rat] Cavallini M, et al. **Minerva Chir** 1985 May 15; 40(9):601–4 (Eng. Abstr.) **(Ita)**

[Transplantation of the pancreas] Mito M, et al. **Nippon Rinsho** 1985 Jan;43(1):58–62 **(Jpn)**

[Transplantation of multiple organs below the diaphragm] Taira A, et al. **Nippon Rinsho** 1985 Jan;43(1):75–8 **(Jpn)**

[Problems in transplantation of the pancreas] Yamauchi H, et al. **Nippon Rinsho** 1984 Nov;42(11):2596–608 (30 ref.) **(Jpn)**

[Pancreas transplantation in diabetes mellitus] Brekke IB, et al. **Tidsskr Nor Laegeforen** 1984 Nov 30;104(33):2331–3 (Eng. Abstr.) **(Nor)**

[Relation between the suitability of the pancreas for transplantation and the structure of its blood vessels] Pisareva TP, et al. **Arkh Anat Gistol Embriol** 1985 Apr; 88(4):54–61 (Eng. Abstr.) **(Rus)**

[Transplantation of the pancreas at Huddinge Hospital: Improved results with pancreatic transplantation can prevent late diabetic complications] Tydén G, et al. **Lakartidningen** 1985 Jun 12;82(24):2237–8 **(Swe)**

ULTRASTRUCTURE

Permeability of zymogen granule membrane to protein. Rothman SS, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):G385–92

A morphometric study of the 24-hour variations in subcellular structures of rat pancreatic acinar cells during the periweaning period. Uchiyama Y, et al. **Cell Tissue Res** 1984;237(1):131–8

Electron microscopic studies of human pancreatic adenocarcinoma. Satake K, et al. **Eur J Surg Oncol** 1985 Jun;11(2):125–35

The Golgi apparatus and lysosomes of rat pancreatic acinar cells following refeeding. Romagnoli P. **Histochem J** 1984 Aug;16(8):855–68

Exit of nonglycosylated secretory proteins from the rough endoplasmic reticulum is asynchronous in the exocrine pancreas. Scheele G, et al. **J Biol Chem** 1985 Jan 25; 260(2):926–31

Receptors for secretagogues on pancreatic acinar cells. Jensen RT, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S25–35

Ultrastructural changes of the human pancreas in acute shock. Hegewald G, et al. **Pathol Res Pract** 1985 May; 179(6):610–5

Nesidiodysplasia and nesidioblastosis of infancy: structural and functional correlations with the syndrome of hyperinsulinemic hypoglycemia. Gould VE, et al. **Pediatr Pathol** 1983 Jan–Mar;1(1):7–31

An improved procedure for immunoelectron microscopy: ultrathin plastic embedding of immunolabeled ultrathin frozen sections. Keller GA, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5744–7

Structural and biochemical characterization of maximal and supramaximal hormonal stimulation of rat exocrine pancreas. Kern HF, et al. **Scand J Gastroenterol [Suppl]** 1985;112:20–9

Circadian changes of the rat pancreas acinar cell. A quantitative morphological investigation. Müller OM, et al. **Scand J Gastroenterol [Suppl]** 1985;112:12–9

[Degenerative changes in the cellular ultrastructure of the pancreas in patients with compression stenosis of the celiac trunk] Potashov LV, et al. **Klin Khir** 1984 Nov;(11):61–2 **(Rus)**

PANCREAS, ARTIFICIAL ENDOCRINE see INSULIN INFUSION SYSTEMS

PANCREAS, ENDOCRINE see ISLANDS OF LANGERHANS

PANCREATECTOMY

Caudal 'regression' anomaly in a boy born to a pancreatectomized mother. Gonzalez CH, et al.
Am J Med Genet 1985 May;21(1):205-9

Stenosis at the choledochojejunostomy anastomosis following pancreatico-duodenectomy when the common bile duct is of normal calibre. Chadwick SJ, et al.
Ann R Coll Surg Engl 1984 Sep;66(5):319-20

Evaluation of techniques of controlling exocrine drainage after segmental pancreatectomy in dogs. Implications for pancreatic transplantation. Nghiem DD, et al.
Arch Surg 1985 Oct;120(10):1132-7

Effects of portal and peripheral venous insulin infusion on glucose production and utilization in depancreatized, conscious dogs. Ishida T, et al. **Diabetes** 1984 Oct; 33(10):984-90

Glucose counterregulation in patients after pancreatectomy. Comparison with other clinical forms of diabetes. Polonsky KS, et al. **Diabetes** 1984 Nov;33(11):1112-9

Augmented thromboxane generation by mesenteric arteries from pancreatectomized diabetic dogs is coincident with the vascular tone enhancement evoked by Na arachidonate and prostacyclin. Sterin-Borda L, et al.
Eur J Pharmacol 1984 Aug 17;103(3-4):211-21

Transplantation of pancreatic microfragments in totally pancreatectomized pigs. Kiviluoto T. **Eur Surg Res** 1985; 17(2):119-27

Effects of fasting, pancreatectomy, and hypophysectomy in the yellow eel, Anguilla rostrata. Lewis TL, et al.
Gen Comp Endocrinol 1984 Aug;55(2):182-94

Responses of catecholamines and other counterregulatory hormones to insulin-induced hypoglycemia in totally pancreatectomized patients. Horie H, et al.
J Clin Endocrinol Metab 1984 Dec;59(6):1193-6

Release of gastric inhibitory polypeptide in totally pancreatectomized patients. Miyata M, et al.
J Clin Endocrinol Metab 1985 Jun;60(6):1261-4

Effects of trypsin inhibitor on the remnant pancreas after 85 percent pancreatectomy in rats. Baba N, et al.
Jpn J Surg 1984 Sep;14(5):420-31

Pancreatectomy for carcinoma of the head of the pancreas associated with multiple anomalies including the preduodenal portal vein. Matsusue S, et al. **Jpn J Surg** 1984 Sep;14(5):394-8

Interaction between pancreas transplant and native pancreas [letter] Dandona P, et al. **Lancet** 1985 Aug 3;2(8449):281

Cystic islet cell tumor: diagnosis and surgical management. Loiterman DA, et al. **Mt Sinai J Med (NY)** 1985 Mar; 52(3):212-5

Vascular complications in pancreatic diabetes [letter] Felicetta JV. **N Engl J Med** 1984 Nov 1;311(18):1185-6

Total pancreatectomy for chronic pancreatitis. Kiviluoto T, et al. **Surg Gynecol Obstet** 1985 Mar;160(3):223-7

A new approach for the reconstruction of continuity of the alimentary tract after pancreaticoduodenotomy. Lygidakis NJ, et al. **Surg Gynecol Obstet** 1985 May;160(5):453-8

[Case report on the relativity of the contraindications for duodenopancreatic resection] Momchilov M, et al.
Khirurgiia (Sofiia) 1985;38(1):43-4 **(Bul)**

[Value of total parenteral nutrition after total pancreatectomy] Lungarotti F, et al. **J Chir (Paris)** 1985 Feb;122(2):133-5 (Eng. Abstr.) **(Fre)**

[Experiences with pancreas occlusion following cephalic duodenopancreatectomy] Lippert H, et al.
Zentralbl Chir 1984;109(17):1112-21 (Eng. Abstr.) **(Ger)**

[Treatment of the residual pancreatic stump with tissue adhesives] Urbano D, et al. **Chir Patol Sper** 1983 Feb; 31(1):21-8 (Eng. Abstr.) **(Ita)**

[Extended total gastrectomy in cancer: oncological and prognostic significance] Di Giorgio A, et al.
Minerva Chir 1985 Mar 31;40(6):295-303 (Eng. Abstr.) **(Ita)**

[Experimental and clinical studies on operative methods of pancreaticojejunostomy in reference to the process of wound healing and postoperative pancreatic function] Fueki K. **Nippon Geka Gakkai Zasshi** 1985 Jun;86(6):725-37 (Eng. Abstr.) **(Jpn)**

[Nutritional management after massive resection of the pancreas] Fujita H, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):990-4 (Eng. Abstr.) **(Jpn)**

[The influence of obstructive jaundice on wound healing of pancreatico-jejunostomy with reference to the function of the pancreas as assessed by glucose tolerance and pancreozymin-secretin test] Takahashi S.
Nippon Geka Gakkai Zasshi 1984 Oct;85(10):1332-43 (Eng. Abstr.) **(Jpn)**

[Experimental studies on regeneration of the pancreas--morphological and functional restoration of the remnant pancreas after major pancreatectomy] Yano T. **Nippon Geka Gakkai Zasshi** 1985 Apr;86(4):470-81 (Eng. Abstr.) **(Jpn)**

[Motilin release in depancreatized dogs, and the discrepant effect of heterogenous insulin on regulation of motilin release] Miyamoto A, et al.
Nippon Shokakibyo Gakkai Zasshi 1985 Apr;82(4):648-53 (Eng. Abstr.) **(Jpn)**

[Heterogeneity of plasma glucagon in patients with total pancreatectomy and gastrectomy] Ohtsuka K, et al.
Nippon Shokakibyo Gakkai Zasshi 1984 Sep;81(9):2061 **(Jpn)**

[Structure of the inguinal lymph nodes after extirpation of the pancreas] Korovina AM. **Arkh Anat Gistol Embriol** 1985 Feb;88(2):51-6 (Eng. Abstr.) **(Rus)**

[Total pancreatoduodenectomy for multiple pancreatic cysts] Masalin MM, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):135-6 **(Rus)**

[The blood kallikrein-kinin system after pancreatoduodenal resections] Kobets LG, et al. **Klin Khir** 1984 Nov;(11):8-10 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Near-total pancreatectomy for hyperinsulinism. Spontaneous remission of resultant diabetes. Gruppuso PA, et al.
Acta Paediatr Scand 1985 Mar;74(2):311-5

Effect of biliary decompression on morbidity and mortality of pancreatoduodenectomy. Thomas JH, et al.
Am J Surg 1984 Dec;148(6):727-31

Hyperalaninaemia is an early feature of diabetes secondary to total pancreatectomy. Del Prato S, et al.
Diabetologia 1985 May;28(5):277-81

Changes of the pancreatic exocrine function in new canine model of pancreaticoduodenectomy by BTPABA test. Tanaka T, et al. **Hiroshima J Med Sci** 1984 Dec; 33(4):727-30

The nutritional consequence of gastric and pancreatic surgery. Liaw KY, et al.
Taiwan I Hsueh Hui Tsa Chih 1984 Nov;83(11):1105-12

[Vascular problems in destructive pancreatic surgery] Serio G, et al. **Chir Ital** 1982 Jun;34(3):359-84 (Eng. Abstr.) **(Ita)**

[Diabetes mellitus after partial and total pancreatectomy] Jedrzejczyk W, et al. **Pol Tyg Lek** 1984 Dec 3; 39(49):1601-2 (Eng. Abstr.) **(Pol)**

[Hormonal disorders after radical operations on the pancreas (a review of the literature)] Blagovidov DF, et al.
Khirurgiia (Mosk) 1985 Jan;(1):106-11 (38 ref.) **(Rus)**

[Pylephlebitis following pancreatic resection] Nartsissov TV. **Klin Khir** 1984 Nov;(11):60-1 **(Rus)**

[Functional aftereffects of resection of the pancreas] Blagovidov DF, et al. **Sov Med** 1985;(4):46-50 (57 ref.) **(Rus)**

[Risk factors in the development of acute postoperative pancreatitis] Shalimov SA, et al. **Vestn Khir** 1984 Nov; 133(11):124-8 **(Rus)**

HISTORY

Surgical treatment of idiopathic hyperinsulinemic hypoglycemia in children. First successful subtotal pancreatectomy with preservation of spleen reported by Evarts A. Graham (1934). Ternberg JL.
J Thorac Cardiovasc Surg 1984 Nov;88(5 Pt 2):898-901

From Krankenhaus to L.A.: pathways of progress in pancreatoduodenectomy. Braasch JW.
Surg Gastroenterol 1984;3(1):3-12

[History of pancreatectomy--with special reference to pancreatic cancer] Tsuchiya R.
Nippon Geka Gakkai Zasshi 1985 Apr;86(4):375-80 **(Jpn)**

METHODS

Periampullary disease and pancreatoduodenectomy. Snyder J. **Alaska Med** 1985 Apr-Jun;27(2):19-27

Autotransplantation of pancreatic islet cell fragments into the renal capsule prepared without collagenase. Toledo-Pereyra LH, et al. **Am Surg** 1984 Dec; 50(12):679-81

Subtotal pancreatectomy in the male Wistar rat. Wood RA, et al. **Br J Exp Pathol** 1984 Dec;65(6):753-7

Pancreaticoduodenectomy with pylorus preservation. Mosca F, et al. **Ital J Surg Sci** 1984;14(4):313-20

Surgical management of persistent neonatal hypoglycemia due to islet cell dysplasia. Langer JC, et al.
J Pediatr Surg 1984 Dec;19(6):786-92

Analysis of pancreatoduodenectomy. O'Brien PH, et al.
J Surg Oncol 1985 Jan;28(1):50-8

Surgical management of gastrinoma. Jin GL, et al.
Surg Clin North Am 1985 Apr;65(2):285-90

A simple technique for resection of the uncinate process during pancreatectomy. Reiner MA, et al.
Surg Gynecol Obstet 1985 Feb;160(2):166-7

The anterior approach to control the splenic vessels in distal pancreatectomy. Sitges-Serra A, et al.
Surg Gynecol Obstet 1985 Aug;161(2):183-4

Delayed gastric emptying after pylorus-preserving pancreaticoduodenectomy. Warshaw AL, et al.
Surg Gynecol Obstet 1985 Jan;160(1):1-4

Duodenum-preserving resection of the head of the pancreas in patients with severe chronic pancreatitis. Beger HG, et al. **Surgery** 1985 Apr;97(4):467-73

Near-total pancreatectomy for chronic pancreatitis. Eckhauser FE, et al. **Surgery** 1984 Oct;96(4):599-607

Chronic pancreatitis: long-term surgical results of pancreatic duct drainage, pancreatic resection, and near-total pancreatectomy and islet autotransplantation. Morrow CE, et al. **Surgery** 1984 Oct;96(4):608-16

Pancreatoduodenectomy with preservation of the pylorus. Braasch JW, et al. **World J Surg** 1984 Dec;8(6):900-5

Surgical treatment of pancreatic cancer. Kümmerle F, et al.
World J Surg 1984 Dec;8(6):889-94

Cancer of the pancreas: palliative operation, Whipple procedure, or total pancreatectomy. Longmire WP Jr.
World J Surg 1984 Dec;8(6):872-9

The place of total and extended total pancreatectomy in pancreatic cancer. Moossa AR, et al. **World J Surg** 1984 Dec;8(6):895-9

Pancreatic resection for carcinoma of the pancreas: Whipple versus total pancreatectomy--an institutional perspective. van Heerden JA. **World J Surg** 1984 Dec;8(6):880-8

[Extensive duodenopancreatic resection combined with cholecystectomy and right hemicolectomy] Marinov D, et al. **Khirurgiia (Sofiia)** 1984;37(5):412-3 **(Bul)**

[Anatomical basis for a posterior surgical approach to the pancreas by means of right and left lumbotomies] Fontaine C, et al. **Bull Assoc Anat (Nancy)** 1983 Dec;67(199):421-31 (Eng. Abstr.) **(Fre)**

[Total splenopancreatectomy in the rat] Houry S, et al.
J Chir (Paris) 1984 Nov;121(11):643-6 (Eng. Abstr.) **(Fre)**

[Modified partial duodenopancreatectomy with preservation of the stomach, proximal gastric vagotomy and pancreatic duct occlusion] Zumtobel V, et al. **Chirurg** 1985 Jun; 56(6):382-5 (Eng. Abstr.) **(Ger)**

[Pancreatic duct occlusion from the surgical viewpoint] Hollender LF. **Langenbecks Arch Chir** 1985;363(3):147-8 **(Ger)**

[Therapeutic pancreatic duct occlusion in chronic pancreatitis: clinical, exocrine and endocrine consequences in a 12 month follow-up study] Schneider MU, et al.
Langenbecks Arch Chir 1985;363(3):149-63 (Eng. Abstr.) **(Ger)**

[Technic of multiple procurement from donor cadavers (observations on 19 cases)] Valente U, et al. **Chir Ital** 1985 Apr;37(2):115-28 (Eng. Abstr.) **(Ita)**

[Surgical treatment of chronic calcified pancreatitis] Castiglioni GC, et al. **Minerva Chir** 1984 Apr 30; 39(8):583-96 (Eng. Abstr.) **(Ita)**

[Extended pancreatectomy after a number of operations for pancreatic polycystosis] Al'perovich BI, et al.
Khirurgiia (Mosk) 1985 Jan;(1):103 **(Rus)**

[Surgical treatment of pancreatic cancer] Kasum'ian SA, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):22-5 (Eng. Abstr.) **(Rus)**

[Left-side resection of the pancreas based on its surgical anatomy] Toskin KD, et al. **Khirurgiia (Mosk)** 1984 Jul; (7):11-5 (Eng. Abstr.) **(Rus)**

[Use of the laser in pancreatic surgery] Kim AN, et al.
Klin Khir 1984 Nov;(11):56-8 (15 ref.) **(Rus)**

[Resection methods of treatment in chronic pancreatitis] Panchenko. **Klin Khir** 1984 Nov;(11):10-2 (Eng. Abstr.) **(Rus)**

[New method of pancreatoduodenal resection with preservation of the excretory function of the pancreas] Shalimov AA, et al. **Klin Khir** 1984 Sep;(9):72-4 **(Rus)**

[Pancreatogastroduodenal resection with decompression of the anastomosis area] Kasum'ian SA. **Vestn Khir** 1984 Aug; 133(8):40-2 (Eng. Abstr.) **(Rus)**

[Combined operations in stomach cancer] Martyniuk VV, et al. **Vestn Khir** 1985 Feb;134(2):19-23 (Eng. Abstr.) **(Rus)**

PANCREATIC ALPHA CELLS see ISLANDS OF LANGERHANS

PANCREATIC BETA CELLS see ISLANDS OF LANGERHANS

PANCREATIC CYST

COMPLICATIONS

Upper gastrointestinal hemorrhage associated with pancreatitis. Mollerup CL, et al. **Acta Chir Scand** 1985; 151(1):89-91

Pancreas divisum with pancreatitis and pseudocyst. Gold RP, et al. **AJR** 1984 Dec;143(6):1343-4

Acute haemorrhage associated with pancreatic pseudocyst and chronic pancreatitis. Kiviluoto T, et al.
Ann Chir Gynaecol 1984;73(4):214-8

Delirium tremens, hemorrhagic pancreatic pseudocyst with duodenal ileus, and fatal shock [letter] Kaschka WP, et al. **Hepatogastroenterology** 1985 Apr;32(2):108

[Multiple cysts of the pancreas associated with bilateral renal adenocarcinoma. Apropos of a case] Wybier M, et al.
Ann Radiol (Paris) 1985;28(1):76-9 (Eng. Abstr.) **(Fre)**

[Hemorrhagic complication of a false cyst of the pancreas] Zerouali N, et al. **J Chir (Paris)** 1984 Nov;121(11):663-6 (Eng. Abstr.) **(Fre)**

[Pancreatic hemorrhage. A contribution to the differential diagnosis of gastrointestinal bleeding] Köhler H, et al.
Chirurg 1984 Aug;55(8):526-7 **(Ger)**

[Traumatic pancreatitis with peripheral osteolysis suggesting child abuse] Sternowsky HJ, et al.
Monatsschr Kinderheilkd 1985 Mar;133(3):178-80 (Eng. Abstr.) **(Ger)**

[Exudative pericarditis as a rare complication of pancreatic pseudocyst] Márk Z, et al. **Orv Hetil** 1985 Apr 28; 126(17):1041-3 (Eng. Abstr.) **(Hun)**

[Pancreatic pseudocyst causing colon stenosis] Temesi Z, et al. **Orv Hetil** 1985 Jan 6;126(1):37-38, 41 (Eng. Abstr.) **(Hun)**

[Hemorrhagic pancreatic pseudocysts caused by erosion of the superior mesenteric artery] Meneghelli R, et al.
Chir Ital 1984 Feb;36(1):58-65 (Eng. Abstr.) **(Ita)**

CONGENITAL

[Rare association of cystic dysplasia of the kidney and pancreas with congenital hepatic fibrosis] Luzi P, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2-3):175-83 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Echocardiographic features of a mediastinal pancreatic pseudocyst. Aroney CN, et al. **Br Heart J** 1985 May; 53(5):571-3

Cystadenoma of the pancreas--an unusual presentation. Quayle AR, et al. **Eur J Surg Oncol** 1985 Mar;11(1):51-4

Pancreatic choriocarcinoma presenting as inflammatory pseudocyst. Childs CC, et al. **Gastroenterology** 1985 Aug; 89(2):426-31

Pancreatic pseudocyst manifesting as massive upper gastrointestinal bleeding. Pathare AV, et al. **Indian J Gastroenterol** 1982 Apr;1(1):35-7

Intraoperative sonographic identification of nonpalpable pancreatic masses. Rifkin MD, et al. **J Ultrasound Med** 1984 Sep;3(9):409-11

A cystic lesion in a 55-year-old man [clinical conference] Amerian J, et al. **West J Med** 1985 Jul;143(1):74-9

[Echography in the diagnosis and follow-up of pancreatic cysts] Grigorov N, et al. **Khirurgiia (Sofiia)** 1985; 38(2):38-45 **(Bul)**

[Amylase isoenzymes as an aid in the diagnosis of pancreatic pseudocysts (letter)] Kammeraat C, et al. **Ned Tijdschr Geneeskd** 1985 Jan 19;129(3):130-1 **(Dut)**

[Cystic malformations of the pancreas] Vuillemin F, et al. **Ann Chir** 1984 Nov;38(8):595-8 (Eng. Abstr.) **(Fre)**

[Isolated polycystic disease of the pancreas] Beya A, et al. **Rev Med Suisse Romande** 1985 Mar;105(3):195-201 **(Fre)**

[Diagnosis and prognosis of pancreatic pseudocysts] Rösch W. **Lebensversicherungsmedizin** 1984 Aug 27;36(7):151-4 (Eng. Abstr.) **(Ger)**

[Differential sonographic diagnosis. Pancreas (pseudo) cyst--choledochus cyst] Brockmann WP, et al. **Rontgenblatter** 1984 Oct;37(10):359-61 (Eng. Abstr.) **(Ger)**

[Follow-up of pancreatic cysts by echography in patients with chronic pancreatitis] Mott C de B, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Nov-Dec; 39(6):260-4 (Eng. Abstr.) **(Por)**

[Clinical and therapeutic aspects of pancreatic pseudocyst] Oancea T, et al. **Rev Chir [Chir]** 1985 Jan-Feb;34(1):7-12 (Eng. Abstr.) **(Rum)**

[Inflammatory and neoplastic diseases of the pancreas. Review of their differential diagnosis] Glišić Lj, et al. **Srp Arh Celok Lek** 1983 Sep-Oct;111(9-10):1293-310 (Eng. Abstr.) **(Scc)**

[Pancreatic pseudocyst in childhood] Ilari J, et al. **An Esp Pediatr** 1985 Mar 31;22(4):311-6 (Eng. Abstr.) **(Spa)**

[Pancreatic pseudocysts. Personal experience: 15 cases] Zaragosi Esparza JL, et al. **Rev Esp Enferm Apar Dig** 1985 Jun;67(6):530-6 (Eng. Abstr.) **(Spa)**

ECONOMICS

Do diagnosis-related groups accurately reflect the disease? Pancreatic pseudocyst: a case in point. Ephgrave K, et al. **Arch Surg** 1985 Jun;120(6):703-7

ETIOLOGY

The pathogenesis of pancreatic pseudocysts--a canine experimental model. Salinas A, et al. **Am J Gastroenterol** 1985 Feb;80(2):126-31

Recurrent pseudocysts and pancreatitis after trauma: a complication of pancreas divisum. Cobb BW, et al. **Surgery** 1985 May;97(5):626-9

[Handlebars in the belly, dust in the eyes? Pancreatic pseudocyst in children caused by trauma] Verhaar JA, et al. **Ned Tijdschr Geneeskd** 1984 Sep 22;128(38):1793-6 **(Dut)**

HISTORY

Cystic neoplasms of the pancreas. Evolution of a concept. Zamora JL. **Am J Surg** 1985 Jun;149(6):819-23

PATHOLOGY

CT guided percutaneous fine-needle biopsy of the pancreas. Luning M, et al. **Eur J Radiol** 1985 May;5(2):104-8

Enterogenous reduplication cyst of the pancreas. A case report. D'Amato A, et al. **Ital J Surg Sci** 1984;14(4):337-40

[Cystic pancreas neoplasias] Helpap B, et al. **Chirurg** 1985 Jan;56(1):41-5 (Eng. Abstr.) **(Ger)**

[A case with pancreatic pseudocyst penetrating into the spleen] Shimayama T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Oct; 81(10):2599-603 **(Jpn)**

[Pancreatic hydatid cyst] Juvara I, et al. **Rev Chir [Chir]** 1985 Jan-Feb;34(1):43-6 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Pancreatic pleuropericardial effusions. Fistulous tracts demonstrated by computed tomography. Louie S, et al. **Arch Intern Med** 1985 Jul;145(7):1231-4

RADIOGRAPHY

Common hepatic artery aneurysm: pseudopseudocyst of the pancreas. Shultz S, et al. **AJR** 1985 Jun;144(6):1287-8

Computed tomographic diagnosis of pancreatic pseudoaneurysm. Kopecky KK, et al. **Comput Radiol** 1984 Nov-Dec;8(6):361-4

[Hemorrhagic pseudocyst of pancreas. A case of X-ray computed tomography diagnosis] Derosier C, et al. **J Radiol** 1984 Aug-Sep;65(8-9):585-8 (Eng. Abstr.) **(Fre)**

[Aneurysmatic pancreatic pseudocyst. Angiography and dynamic computed tomography] König H, et al. **ROFO** 1985 Mar;142(3):338-9 **(Ger)**

[Mediastinal pancreatic pseudocyst] Will CH, et al. **ROFO** 1985 Jul;143(1):107-9 **(Ger)**

[Diagnosis of non-neoplastic abdominal tumors in children] Pietron K, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:309-13 (Eng. Abstr.) **(Pol)**

SURGERY

Pancreatic pseudocyst. Analysis of surgical therapy in 58 patients. Lerut J, et al. **Acta Chir Belg** 1984 Sep-Oct; 84(5):265-71

Percutaneous gastrocystostomy: a new approach to pancreatic pseudocyst drainage. Bernardino ME, et al. **AJR** 1984 Nov;143(5):1096-7

Don't fix nothin that ain't broke [editorial] Bradley EL 3d. **Am J Surg** 1985 Feb;149(2):197

Twenty-five year experience with pancreatic pseudocysts. Are we making progress? Wade JW. **Am J Surg** 1985 Jun; 149(6):705-8

Cystoduodenostomy. New perspectives. Bradley EL 3d. **Ann Surg** 1984 Dec;200(6):698-701

Drainage of a pancreatic pseudocyst at ERCP [letter] Hershfield NB. **Gastrointest Endosc** 1984 Aug;30(4):269-70

Management of pancreatic pseudocysts in chronic alcoholic pancreatitis with duct dilatation. da Cunha JE, et al. **Int Surg** 1985 Jan-Mar;70(1):53-6

Surgical treatment of pseudocysts of the pancreas--guidelines for management. Julius AJ, et al. **Neth J Surg** 1984 Aug; 36(4):93-7

Pancreatic pseudocysts drained through a percutaneous transgastric approach. Kuligowska E, et al. **Radiology** 1985 Jan;154(1):79-82

Pseudocysts of the pancreas. Nel CJ, et al. **S Afr J Surg** 1985 Mar;23(1):8-10

Hydatid cyst of the pancreatic tail. A case report. du Toit DF, et al. **S Afr Med J** 1984 Nov 17;66(20):781-2

Management of pancreatic pseudocysts. Beebe DS, et al. **Surg Gynecol Obstet** 1984 Dec;159(6):562-4

[Cystic lesions of the pancreas in children. Apropos of 7 cases] Carcassonne M, et al. **Chirurgie** 1984;110(4):413-7 (Eng. Abstr.) **(Fre)**

[Pancreatic pseudocysts in children. Apropos of 4 cases] Lacheretz M, et al. **Chirurgie** 1984;110(5):588-90 **(Fre)**

[Cystic lesions of the pancreas in childhood. A retrospective evaluation based on 7 personal cases] Illi O, et al. **Z Kinderchir** 1984 Oct;39(5):315-9 (Eng. Abstr.) **(Ger)**

[Continuous drainage of pancreatic pseudocysts] Mádi Szabó L, et al. **Orv Hetil** 1984 Nov 25;125(48):2925-6, 2929-31 (Eng. Abstr.) **(Hun)**

[Up-date on the surgical treatment of pseudocysts of the pancreas] Spina GP, et al. **Minerva Chir** 1985 Apr 15; 40(7):517-20 **(Ita)**

[Large post-inflammatory pancreatic cyst surgically treated by the Roux-Y method] Karoń H. **Wiad Lek** 1985 Mar 1;38(5):371-3 (Eng. Abstr.) **(Pol)**

[Pseudocysts of the pancreas; details of diagnosis and surgical treatment] Grădinaru V, et al. **Rev Chir [Chir]** 1984 May-Jun;33(3):177-87 (Eng. Abstr.) **(Rum)**

[Extended pancreatectomy after a number of operations for pancreatic polycystosis] Al'perovich BI, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):103 **(Rus)**

[Evaluation of methods of diagnosis and surgical treatment of pancreatic cysts] Milonov OB, et al. **Khirurgiia (Mosk)** 1985 Apr;(4):87-95 (Eng. Abstr.) **(Rus)**

[Late results of the surgical treatment of pancreatic pseudocysts following acute pancreatitis] Spiridonov IV, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):62-5 (Eng. Abstr.) **(Rus)**

[Diagnosis and surgical treatment of pseudocysts and cysts of the pancreas] Moravec R, et al. **Bratisl Lek Listy** 1984 Nov;82(5):1340-50 (Eng. Abstr.) **(Slo)**

[Long-term results of the surgical treatment of pancreatic pseudocyst] Matejiček E. **Rozhl Chir** 1985 May; 64(5):328-34 (Eng. Abstr.) **(Slo)**

THERAPY

Four cases of pancreatic pseudocyst cured by nonoperative treatment. Gao JC, et al. **J Tradit Chin Med** 1984 Jun; 4(2):145-7

[Traumatic pancreatic pseudocyst in children. Treatment with ultrasonic aspiration] Brabrand K, et al. **Tidsskr Nor Laegeforen** 1985 Apr 30;105(12):811-3 (Eng. Abstr.) **(Nor)**

PANCREATIC CYSTIC FIBROSIS see **CYSTIC FIBROSIS**

PANCREATIC DISEASES

see related
HYPERINSULINISM

Pancreatic duct haemorrhage [letter] Clezy JK. **Br J Surg** 1985 Jan;72(1):74

The exocrine pancreas. **Clin Gastroenterol** 1984 Sep; 13(3):655-1005

Abstracts of papers submitted to the American Pancreatic Association. November 8 and 9, 1984, Chicago, Illinois. **Dig Dis Sci** 1984 Oct;29(10):939-74

BLOOD

Serum pancreatic secretory trypsin inhibitor in pancreatic disease. Otsuki M, et al. **Clin Chim Acta** 1984 Sep 29; 142(2):231-40

[Serum levels of pancreatic polypeptide in normal subjects and in patients with pancreatic and renal disease] Fan SL. **Chung Hua Nei Ko Tsa Chih** 1984 Oct;23(10):615-8 (Eng. Abstr.) **(Chi)**

[Significance of immunoreactive lipase in the diagnosis of pancreatic diseases] Kehl O, et al. **Schweiz Med Wochenschr** 1985 Aug 17;115(33):1135-9 (Eng. Abstr.) **(Ger)**

[Pathophysiological and clinical problems of pancreatic function] Papp M. **Orv Hetil** 1985 Apr 21;126(16):947-54 (Eng. Abstr.) **(Hun)**

CHEMICALLY INDUCED

[Cell kinetics in the pancreatic ductal dysplasia. 3H-thymidine autoradiography study during pancreatic carcinogenesis in syrian golden hamsters by N-nitrosobis-(2-hydroxypropyl) amine] Ishikawa O, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Nov; 81(11):2786-92 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Computed tomography and the prediction of pancreatic abscess in acute pancreatitis. Ranson JH, et al. **Ann Surg** 1985 May;201(5):656-65

Tropical pancreatic diabetes in South India: heterogeneity in clinical and biochemical profile. Mohan V, et al. **Diabetologia** 1985 Apr;28(4):229-32

Spontaneous fistulization of a pancreatic abscess into the stomach. Ovnat A, et al. **Isr J Med Sci** 1985 Jun; 21(6):548-50

Recurrent acute pancreatitis associated with pancreatic stones [letter] Beasley SW, et al. **NZ Med J** 1985 Feb 13;98(772):70

Prevalence of diffuse pancreatic beta islet cell disease with hyperinsulinism: problems in recognition and management. Harrison TS, et al. **World J Surg** 1984 Aug;8(4):583-9

[Retropancreatic abscess. Intermittent lumbar hernia] Lauritzen JB, et al. **Ugeskr Laeger** 1985 Feb 4;147(6):526 (Eng. Abstr.) **(Dan)**

[Icterus disclosing pancreatic involvement in idiopathic hypereosinophilic syndrome] Eugène C, et al. **Gastroenterol Clin Biol** 1984 Dec;8(12):966-9 (Eng. Abstr.) **(Fre)**

[Secondary gastroduodenal ulcers and erosions in patients with chronic liver and pancreatic diseases] Geller LI, et al. **Vrach Delo** 1984 Oct;(10):32-5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Role of the NK reaction in the diagnostics of liver and pancreas tumours. Karácsonyi S, et al. **Acta Chir Hung** 1985;26(1):51-8

The clinical and imaging spectrum of pancreaticoduodenal lymph node enlargement. Zeman RK, et al. **AJR** 1985 Jun; 144(6):1223-7

Elastase secretion in pancreatic disease. Mizuno R, et al. **Am J Gastroenterol** 1985 Feb;80(2):113-7

Evaluation of serum pancreatic enzymes, carbohydrate antigen 19-9, and carcinoembryonic antigen in various pancreatic diseases. Satake K, et al. **Am J Gastroenterol** 1985 Aug;80(8):630-6

Pancreatic imaging. Van Dyke JA, et al. **Ann Intern Med** 1985 Feb;102(2):212-7 (50 ref.)

Prospective comparison of three non-invasive tests for pancreatic disease [letter] **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1076

Prospective comparison of three non-invasive tests for pancreatic disease [letter] Cobden I, et al. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):830

Amylase assay and diagnosis of pancreatic disease [editorial] Lott JA, et al. **Clin Chem** 1985 Aug;31(8):1263

Indirect pancreatic function tests: chemical and radioisotope methods. Lankisch PG, et al. **Clin Gastroenterol** 1984 Sep; 13(3):717-37 (132 ref.)

Pancreatic ultrasonography. Lees WR. **Clin Gastroenterol** 1984 Sep;13(3):763-89 (84 ref.)

Influence of extrapancreatic digestive disorders on the indirect pancreatic function test with fluorescein dilaurate. Malfertheiner P, et al. **Clin Physiol Biochem** 1985; 3(4):166-73

Pancreatic phlegmon. Clinical features and course. Sostre CF, et al. **Dig Dis Sci** 1985 Oct;30(10):918-27

Predictive value of a low serum trypsinogen. Steinberg WM, et al. **Dig Dis Sci** 1985 Jun;30(6):547-51

Magnetic resonance (MR) in the diagnosis of pancreatic disease. Anacker H, et al. **Eur J Radiol** 1984 Nov;4(4):265-9

The automated waterpath scanner (Octoson)--advantages and limitations in diseases of the liver, pancreas and gallbladder. Fiegler W, et al. **Eur J Radiol** 1984 Nov; 4(4):270-5

Diagnostic value of fecal fat concentration [letter] Feurle GE. **Gastroenterology** 1985 Mar;88(3):857-8

Pancreatic sonography: past and present. McCain AH, et al. **JCU** 1984 Jul-Aug;12(6):325-32 (49 ref.)

Preoperative percutaneous pancreatography under real-time sonographic guidance. Manco LG, et al. **JCU** 1984 Sep; 12(7):436-40

Can plasma human pancreatic polypeptide be used to detect diseases of the exocrine pancreas? Koch MB, et al. **Mayo Clin Proc** 1985 Apr;60(4):259-65

Diagnosis and management of pancreatic disorders. Baum RA, et al. **Md State Med J** 1984 Dec;33(12):993-4

Imaging of the liver, biliary tract, and pancreas. Zeman RK, et al. **Med Clin North Am** 1984 Nov;68(6):1535-63 (71 ref.)

Magnetic resonance imaging of the pancreas. Haaga JR. **Radiol Clin North Am** 1984 Dec;22(4):869-77

A new approach to the diagnosis of pancreatic diseases by immunochemical lipase quantitation. Dati F, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):399-407

Biological diagnosis of pancreatic ductal obstruction. García-Pugés AM, et al. **Ric Clin Lab** 1984 Jul-Sep; 14(3):413-5

Evaluation of the pancreas by endoscopic retrograde cholangiopancreatography and computerized tomography. Thomas E, et al. **South Med J** 1985 Sep;78(9):1102-10

A cystic lesion in a 55-year-old man [clinical conference] Amerian J, et al. **West J Med** 1985 Jul;143(1):74-9

ERCP documentation of pancreatic ascites and cystoenteric fistula. Brozinsky S. **West J Med** 1985 Apr;142(4):552-4

[Direct visualization of the pancreas by laparoscopy] Zhang JK. **Chung Hua Nei Ko Tsa Chih** 1984 Aug;23(8):503-4, 526 (Eng. Abstr.) **(Chi)**

[Peroperative echography of the liver, bile ducts and pancreas] Menu Y, et al. **Ann Radiol (Paris)** 1984 Nov; 27(7):559-61 (Eng. Abstr.) **(Fre)**

[Echographic aspects of hydatid cyst of the pancreas. Apropos of 2 cases with review of the literature] Zakari S, et al. **Ann Radiol (Paris)** 1984 Nov;27(7):607-13 (Eng. Abstr.) **(Fre)**

[Pancreatic hemorrhage. A contribution to the differential diagnosis of gastrointestinal bleeding] Köhler H, et al. **Chirurg** 1984 Aug;55(8):526-7 **(Ger)**

[Chymotrypsin determination in feces: an indirect pancreatic function test] Lankisch PG, et al. **Dtsch Med Wochenschr** 1984 Oct 5;109(40):1527-9 **(Ger)**

[Sonographic and sonocytologic pancreas diagnosis] Hancke S. **Internist (Berlin)** 1985 Jan;26(1):43-5 **(Ger)**

[Reduction in diagnostic procedures using CT-guided fine needle biopsy of pancreatic masses] Lüning M, et al. **Radiol Diagn (Berl)** 1984;25(6):701-17 (Eng. Abstr.) **(Ger)**

[Visualization of the pancreatic ducts by ultrasound tomography in pancreatic diseases with bile duct obstruction] Wermke W, et al. **ROFO** 1985 Jul;143(1):35-40 (Eng. Abstr.) **(Ger)**

[Diagnosis of the hepatobiliary system and the pancreas with the automated multi-sector scanner (Octoson)] Fiegler W, et al. **Rontgenpraxis** 1984 Aug;37(8):279-84 **(Ger)**

[Computed tomography versus sonography in upper abdomen diagnosis: indications and value] Marincek B. **Ther Umsch** 1984 Sep;41(9):629-33 (30 ref.) (Eng. Abstr.) **(Ger)**

[Sonographically monitored intraoperative fine-needle aspiration cytology in pancreatic diseases] Klotter HJ, et al. **Ultraschall Med** 1985 Jun;6(3):139-43 (Eng. Abstr.) **(Ger)**

[Sonographic diagnosis of a calculus in the obstructed pancreatic duct] Pochhammer KF, et al. **Ultraschall Med** 1985 Jun;6(3):137-8 (Eng. Abstr.) **(Ger)**

[Endoscopy supported biochemical pancreatic differential diagnosis within the scope of a diagnosis strategy] Neymeyer HG, et al. **Z Med Lab Diagn** 1985;26(2):101-7 (Eng. Abstr.) **(Ger)**

[Clinical trial of NMR-CT (report 3)--the utility of NMR-CT for liver and pancreas diseases] Ikehira H, et al. **Kaku Igaku** 1984 Oct;21(10):1277-84 (Eng. Abstr.) **(Jpn)**

[Trend in diagnosis and treatment of the pancreatic diseases] Takeuchi T. **Nippon Naika Gakkai Zasshi** 1984 Jun; 73(6):745-8 **(Jpn)**

[Ultrasonic endoscopy for pancreatic diseases] Fuji T, et al. **Nippon Rinsho** 1984 Oct;42(10):2245-8 **(Jpn)**

[Ultrasonic endoscopy] Kanazawa N, et al. **Nippon Rinsho** 1984 Oct;42(10):2235-8 **(Jpn)**

[Ultrasonic endoscopy] Kimoto E, et al. **Nippon Rinsho** 1984 Oct;42(10):2231-4 **(Jpn)**

[Clinical evaluation of ultrasonic endoscopy for hepatic, pancreatic and biliary tract diseases] Yasuda K, et al. **Nippon Rinsho** 1984 Oct;42(10):2249-58 **(Jpn)**

[Ultrasonic diagnosis of pancreatic diseases] Ariyama J, et al. **Rinsho Hoshasen** 1984 Oct;29(11 Suppl):1237-45 **(Jpn)**

[A 10-year experience with combined diagnosis of pancreatic diseases] Zubovskiĭ GA, et al. **Med Radiol (Mosk)** 1984 Oct;29(10):10-4 (Eng. Abstr.) **(Rus)**

[Echotomographic diagnosis of pancreatic diseases in patients with chronic noncalculous cholecystitis] Litviakov AM, et al. **Ter Arkh** 1984;56(8):116-20 (Eng. Abstr.) **(Rus)**

[Diagnostic algorithms in diseases of the liver, biliary tract and pancreas] Nikhinson RA. **Vestn Khir** 1985 Feb; 134(2):135-8 (Eng. Abstr.) **(Rus)**

[Endoscopic retrograde cholangiopancreatography in the diagnosis of diseases of the organs of the hepato-pancreato-duodenal group] Rodionov VV, et al. **Vestn Khir** 1985 Mar;134(3):39-44 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Complications of diazoxide in the treatment of nesidioblastosis [letter] Gillies DR. **Arch Dis Child** 1985 May;60(5):500-1

Complications of diazoxide in the treatment of nesidioblastosis. McGraw ME, et al. **Arch Dis Child** 1985 Jan;60(1):62-4

The effect of phenylbutazone on acute hemorrhagic pancreatitis in the rat. Louagie Y, et al. **Int Surg** 1984 Jul-Sep;69(3):265-70

[Digestive action of acid-protected lipase in pancreatogenic steatorrhea] Brackmann P, et al. **Fortschr Med** 1984 Nov 29;102(44):1143-5 (Eng. Abstr.) **(Ger)**

[Effect of benzohexonium on the pancreas after truncal vagotomy] Marfin BI, et al. **Khirurgiia (Mosk)** 1984 Sep; (9):66-8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Serum levels of pancreatic enzymes and their clinical significance. Koop H. **Clin Gastroenterol** 1984 Sep; 13(3):739-61 (140 ref.)

Pancreatic secretory trypsin inhibitor, cathodal trypsin, and pancreatic elastase in pancreatic juice collected at endoscopic retrograde cholangiopancreatography. Marks WH, et al. **Curr Surg** 1985 Jan-Feb;42(1):26-8

Elevated fasting cholecystokinin levels in pancreatic exocrine impairment: evidence to support feedback regulation. Slaff JI, et al. **J Lab Clin Med** 1985 Mar;105(3):282-5

[Clinical evaluation of measurement of serum elastase 1 levels in pancreatic diseases. Including comparison with endoscopic retrograde pancreatogram] Muranaka T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jul 25; 44(7):972-8 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Biliary ascariasis. A common cause of biliary and pancreatic disease in an endemic area. Khuroo MS, et al. **Gastroenterology** 1985 Feb;88(2):418-23

[Wirsung's duct hemorrhage in chronic pancreatitis. Report of 4 cases and study of the literature] Le Neel JC, et al. **J Chir (Paris)** 1984 Nov;121(11):649-53 (Eng. Abstr.) **(Fre)**

[Hemorrhagic complication of a false cyst of the pancreas] Zerouali N, et al. **J Chir (Paris)** 1984 Nov;121(11):663-6 (Eng. Abstr.) **(Fre)**

[Pancreatic injury in primary biliary cirrhosis] Kidani H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Oct; 81(10):2544-51 (Eng. Abstr.) **(Jpn)**

[Surgical characteristics of gastric and duodenal peptic ulcer complicated by perforation into the pancreas] Zemskov VS, et al. **Klin Khir** 1984 Aug;(8):49-50 (Eng. Abstr.) **(Rus)**

METABOLISM

Dietary fiber in pancreatic disease: effect of high fiber diet on fat malabsorption in pancreatic insufficiency and in vitro study of the interaction of dietary fiber with pancreatic enzymes. Dutta SK, et al. **Am J Clin Nutr** 1985 Mar; 41(3):517-25

Hyporeninemic hypoaldosteronism. New associations. May ME, et al. **Arch Intern Med** 1985 Aug;145(8):1519

The molecular characteristics of a human pancreatic acidic phosphoprotein that inhibits calcium carbonate crystal growth. De Caro A, et al. **Biochem J** 1984 Sep 15; 222(3):669-77

Pancreatic stone protein. II. Implication in stone formation during the course of chronic calcifying pancreatitis. Multigner L, et al. **Gastroenterology** 1985 Aug;89(2):387-91

Pancreatic proteins in normal state and pancreatic diseases in pancreatic juice and blood. Figarella C, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):349-59

MICROBIOLOGY

Pathogenicity of newly isolated coxsackievirus B4 for mouse pancreas. Kuno S, et al. **Acta Virol (Praha)** 1984 Sep; 28(5):433-6

OCCURRENCE

[Pancreatic pathology in black Africans (excluding diabetes)] Sankalé M. **Med Trop (Mars)** 1984 Jul-Sep;44(3):259-68 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Nesidioblastosis and multifocal pancreatic islet cell hyperplasia in an adult. Clinicopathologic features and in vitro pancreatic studies. Campbell IL, et al. **Am J Clin Pathol** 1985 Oct;84(4):534-41

Alimentary tract ganglioneuromatosis-lipomatosis, adrenal myelolipomas, pancreatic telangiectasias, and multinodular thyroid goiter. A possible neuroendocrine syndrome. Hegstrom JL, et al. **Am J Clin Pathol** 1985 Jun;83(6):744-7

Histocytologic diagnosis of pancreatic cancer by percutaneous aspiration biopsy under ultrasonic guidance. Yamamoto R, et al. **Am J Clin Pathol** 1985 Apr; 83(4):409-14

Pancreatic injury associated with interposed abdominal compressions in pediatric cardiopulmonary resuscitation. Waldman PJ, et al. **Am J Emerg Med** 1984 Nov;2(6):510-2

Bursal fat necrosis as the presenting manifestation of pancreatic disease: light and electron microscopic studies. Halla JT, et al. **J Rheumatol** 1985 Apr;12(2):359-64

What's new in in vitro studies of exocrine pancreatic cell injury? Resau JH, et al. **Pathol Res Pract** 1985 Mar; 179(4-5):576-88 (105 ref.)

Nesidioblastosis and intermediate cells in the pancreas of patients with hyperinsulinemic hypoglycemia. Bani D, et al. **Virchows Arch [Cell Pathol]** 1985;48(1):19-32

Nesidioblastosis and islet cell changes related to endogenous hypergastrinemia. Bani Sacchi T, et al. **Virchows Arch [Cell Pathol]** 1985;48(3):261-76

[Eosinophilic tumors of the duodenum and pancreas. Apropos of a case] Odimba BF, et al. **J Chir (Paris)** 1985 Apr;122(4):221-4 (Eng. Abstr.) **(Fre)**

[Clinico-anatomical analysis of the complications and causes of death in pancreonecrosis] Titova GP, et al. **Arkh Patol** 1985;47(2):65-70 (Eng. Abstr.) **(Rus)**

[Intraoperative cytological diagnosis of diseases of the pancreatoduodenal region] Danilov MV, et al. **Sov Med** 1984;(9):77-82 **(Rus)**

PHYSIOPATHOLOGY

Rhythm abnormalities of the biliary and pancreatic sphincters: diagnosis by endoscopic manometry. Gregg JA, et al. **Am J Surg** 1984 Nov;148(5):602-6

[Evaluation of pancreatic exocrine function in various pancreatic disorders by pancreatic function diagnostant (PFD) test] Lin JT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Oct;83(10):996-1000 (Eng. Abstr.) **(Chi)**

[N-benzoyl-L-tyrosyl-para-aminobenzoic acid test (PABA test) in children] Rieu D, et al. **Ann Pediatr (Paris)** 1985 Mar;32(3):205-8 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Tuberculous pancreatic abscess. de Miguel F, et al. **Br J Surg** 1985 Jun;72(6):438

Computed tomography of the pancreas. Freeny PC. **Clin Gastroenterol** 1984 Sep;13(3):791-818 (43 ref.)

The pancreas. Lunderquist A. **Clin Gastroenterol** 1985 Apr; 14(2):355-69

[2 years' experience with dynamic computed tomography of the pancreas] Klöppel R, et al. **Radiol Diagn (Berl)** 1985; 26(1):31-9 (Eng. Abstr.) **(Ger)**

[Serial computed tomography. Value of densitometric measurements in the diagnosis of benign and malignant lesions of the liver, pancreas and kidney] Krahe T, et al. **ROFO** 1985 Jul;143(1):28-35 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of masses in the head of the pancreas area] Neufang KF, et al. **ROFO** 1985 Jun;142(6):679-84 (Eng. Abstr.) **(Ger)**

[CT and ERCP as a combination research method in pancreatic diseases] Triller J, et al. **ROFO** 1984 Nov; 141(5):483-90 (Eng. Abstr.) **(Ger)**

[Effect of computer tomography on the diagnostic findings and therapy planning in diseases of the epigastrium] Waclawiczek HW, et al. **Zentralbl Chir** 1984;109(18):1161-6 (Eng. Abstr.) **(Ger)**

[Computed tomography in exploring hepatopancreatic lesions] Georgescu S. **Rev Med Interna [Med Interna]** 1984 May-Jun;36(3):243-55 (Eng. Abstr.) **(Rum)**

[X-ray diagnosis of space-occupying processes in the pancreas] Kondrashova LN. **Vestn Rentgenol Radiol** 1984 Jul-Aug;(4):5-8 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Pancreatoscanography with 75Se-methionine following glucose loading] Vlakhov N, et al. **Med Radiol (Mosk)** 1985 Feb;30(2):71-6 (Eng. Abstr.) **(Rus)**

SURGERY

Pancreatic duct haemorrhage. Brown RA, et al. **Br J Surg** 1985 Mar;72(3):223-4

Pancreatic abscesses. Shi EC, et al. **Br J Surg** 1984 Sep; 71(9):689-91

Surgical treatment of pancreatic cysts: review of 21 cases. Tanaka T, et al. **Hiroshima J Med Sci** 1985 Mar; 34(1):109-12

Interventional endoscopy in diseases of the biliary tree and pancreas. Siegel JH. **Mt Sinai J Med (NY)** 1984 Jul-Aug; 51(4):535-42

Open treatment of pancreatic abscess. Bradley EL 3d, et al. **Surg Gynecol Obstet** 1984 Dec;159(6):509-13

[Risk and prognosis of surgical interventions on the pancreas] Kümmerle F, et al. **Lebensversicherungsmedizin** 1984 Aug 27;36(7):154-9 (Eng. Abstr.) **(Ger)**

[Experiences with pancreas occlusion following cephalic duodenopancreatectomy] Lippert H, et al. **Zentralbl Chir** 1984;109(17):1112-21 (Eng. Abstr.) **(Ger)**

[Pancreatico-jejunal anastomosis in the treatment of chronic pancreatitis and calculosis of the Wirsung's duct] Gargano E, et al. **Ann Ital Chir** 1984;56(2):117-24 (Eng. Abstr.) **(Ita)**

[Postoperative duodeno-cutaneous fistula in an infant: conservative treatment, total parenteral nutrition] Ridolfi L, et al. **Pediatr Med Chir** 1984 May-Jun;6(3):457-8 (Eng. Abstr.) **(Ita)**

[Surgical results in pancreatic necrosis] Litvinov VF, et al. **Klin Khir** 1984 Nov;(11):20-2 (Eng. Abstr.) **(Rus)**

THERAPY

Transcatheter embolization of the dorsal pancreatic artery to control massive postoperative bleeding. Freeman MP, et al. **Am J Gastroenterol** 1985 Mar;80(3):185-7

Total parenteral nutrition in pancreatic disease. Grant JP, et al. **Ann Surg** 1984 Nov;200(5):627-31

Endoscopic retrograde cholangiopancreatography (ERCP) and endoscopic therapy in pancreatic disease. Classen M, et al. **Clin Gastroenterol** 1984 Sep;13(3):819-42 (70 ref.)

[Treatment of pancreatic pain] Legout J, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):35-7 **(Fre)**

VETERINARY

Feline pancreatic disease. Garvey MS, et al. **Vet Clin North Am [Small Anim Pract]** 1984 Nov; 14(6):1231-46 (57 ref.)

High dose intravenous glucose tolerance test and serum insulin and glucagon levels in diabetic and non-diabetic cats: relationships to insular amyloidosis. O'Brien TD, et al. **Vet Pathol** 1985 May;22(3):250-61

[Extrahepatic cholestasis due to pancreas fibrosis in a trotter] Sloet van Oldruitenborgh-Oosterbaan MM, et al. **Tijdschr Diergeneeskd** 1985 Feb 1;110(3):99-103 (Eng. Abstr.) **(Dut)**

PANCREATIC DUCTS

Pancreas divisum: a teenager with calculi in the duct of Santorini. Report of a case treated by double drainage procedure. Yvergneaux JP, et al. **Acta Chir Belg** 1985 Jan-Feb;85(1):67-70

Objective evaluation of ampullary stenosis with ultrasonography and pancreatic stimulation. Warshaw AL, et al. **Am J Surg** 1985 Jan;149(1):65-72

False pancreas divisum. Acquired pancreatic duct obstruction simulating the congenital anomaly. Warshaw AL, et al. **Ann Surg** 1984 Nov;200(5):595-9

Pancreatic duct haemorrhage [letter] Clezy JK. **Br J Surg** 1985 Jan;72(1):74

Blunt tipped needle catheter for cannulation of the minor papilla. Schleinitz PF, et al. **Gastrointest Endosc** 1984 Aug; 30(4):263-6

Intraoperative sonographic identification of nonpalpable pancreatic masses. Rifkin MD, et al. **J Ultrasound Med** 1984 Sep;3(9):409-11

The posterior gastric wall: a possible source of confusion in the identification of the pancreatic duct. McGahan JP. **JCU** 1984 Jul-Aug;12(6):366-8

Biological diagnosis of pancreatic ductal obstruction. García-Pugés AM, et al. **Ric Clin Lab** 1984 Jul-Sep; 14(3):413-5

Venous thrombosis following segmental pancreatic transplantation using latex duct occlusion. Gray DW, et al. **Transplant Proc** 1985 Aug;17(4):2026-8

[Experimental observations on occlusion of the pancreatic duct with radiopaque liquid silicone rubber] Wu SQ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Feb;23(2):84-6, 126 (Eng. Abstr.) **(Chi)**

[Hemorrhage from Wirsung's duct caused by the rupture of a huge atheromatous aneurysm of the hepatic artery] Marre P, et al. **Chirurgie** 1984;110(6-7):655-61 (Eng. Abstr.) **(Fre)**

[Visualization of the pancreatic ducts by ultrasound tomography in pancreatic diseases with bile duct obstruction] Wermke W, et al. **ROFO** 1985 Jul;143(1):35-40 (Eng. Abstr.) **(Ger)**

[Pancreatico-jejunal anastomosis in the treatment of chronic pancreatitis and calculosis of the Wirsung's duct] Gargano E, et al. **Ann Ital Chir** 1984;56(2):117-24 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Resection for pancreatitis in patients with pancreas divisum. Blair AJ 3d, et al. **Ann Surg** 1984 Nov;200(5):590-4

The relation between carcinoma of the gallbladder and an anomalous connection between the choledochus and the pancreatic duct. Nagata E, et al. **Ann Surg** 1985 Aug; 202(2):182-90

Pancreas divisum: is it a surgical disease? [letter] Yvergneaux JP. **Ann Surg** 1984 Nov;200(5):679-80

An unusual course of the main pancreatic duct [letter] Bar-Meir S, et al. **Gastrointest Endosc** 1985 Apr;31(2):110-1

Choledochal cyst with anomalous pancreaticobiliary ductal union type II: a case report. Juttijudata P, et al. **J Med Assoc Thai** 1985 Jan;68(1):39-42

Experimental study of the pathogenesis of choledochal cyst and pancreatitis, with special reference to the role of bile acids and pancreatic enzymes in the anomalous choledocho-pancreatico ductal junction. Yamashiro Y, et al. **J Pediatr Gastroenterol Nutr** 1984 Nov;3(5):721-7

Experimental studies on anomalous arrangement of the pancreaticobiliary ductal system in puppies with a pancreaticocholedochal end-to-side anastomosis. Tsuge S. **Tokushima J Exp Med** 1984 Dec;31(3-4):67-78

[Diagnosis and therapy of pancreatobiliary duct anomalies in childhood] Keller KM, et al. **Schweiz Rundsch Med Prax** 1984 Sep 18;73(38):1153-4 (Eng. Abstr.) **(Ger)**

[Babbit's pancreatico-biliary anomaly in cystic dilatation of the choledocus] Mosca F, et al. **Minerva Chir** 1984 Nov 30;39(22):1609-13 (Eng. Abstr.) **(Ita)**

[Etiological studies of anomalous arrangement of the pancreatico-biliary ductal system and its clinical implications] Matsumoto Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Feb;82(2):270-6 (Eng. Abstr.) **(Jpn)**

[Clinical study on relationship between an anomalous pancreatico-biliary ductal union and carcinoma of the gallbladder] Unozawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Mar;82(3):473-82 (Eng. Abstr.) **(Jpn)**

[Acute pancreatitis associated with gastric duplication in a child] Machado MC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Nov-Dec; 39(6):268-71 (Eng. Abstr.) **(Por)**

[Separate drainage of the common bile duct and main pancreatic duct into a duodenal diverticulum] Prusov AL, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):138-9 **(Rus)**

ANATOMY & HISTOLOGY

A radio-anatomical study in vivo on pancreatic ducts. Darnis E, et al. **Anat Clin** 1984;6(2):109-16

The role of pancreatobiliary duct anatomy in the etiology of alcoholic pancreatitis. Yatto RP, et al. **J Clin Gastroenterol** 1984 Oct;6(5):419-23

DRUG EFFECTS

[Sonographic visualization of the pancreatic duct before and after secretin stimulation: an aid in the diagnosis of chronic pancreatitis] Glaser J, et al. **Ultraschall Med** 1985 Apr; 6(2):106-9 (Eng. Abstr.) **(Ger)**

INJURIES

[Injury close to the papilla following choledochus revision and stomach resection] Wicky B, et al. **Helv Chir Acta** 1985 Jan;51(6):721-6 (Eng. Abstr.) **(Ger)**

[Surgical treatment of intraoperative injuries to the common bile and pancreatic ducts] Kushnirenko OIu, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):74-8 **(Rus)**

[Surgical injuries of the common bile and pancreatic ducts in duodenal peptic ulcer] Zaïtsev VT, et al. **Klin Khir** 1984 Nov;(11):29-31 (Eng. Abstr.) **(Rus)**

INNERVATION

The nerves of the accessory pancreatic ducts of the common starling (Sturnus vulgaris): an ultrastructural and light microscopic study. McAllister RM, et al. **J Anat** 1984 Oct; 139 (Pt 3):437-47

METABOLISM

Assessment of pancreatic ductal penetration of antibiotics. Wallace JR, et al. **Am Surg** 1984 Dec;50(12):666-7

PATHOLOGY

Hemosuccus pancreaticus. An unusual cause of upper gastrointestinal bleeding. Clay RP, et al. **Ann Surg** 1985 Jul;202(1):75-9

What is the significance of pancreatic ductal mucinous hyperplasia? Allen-Mersh TG. **Gut** 1985 Aug;26(8):825-33

Comparative radiological and morphological study of human pancreas. Pancreatitis like changes in postmortem ductograms and their morphological pattern. Possible implication for ERCP. Schmitz-Moormann P, et al. **Gut** 1985 Apr;26(4):406-14

[Papillary adenocarcinoma of Wirsung's duct] Place S, et al. **Gastroenterol Clin Biol** 1985 Apr;9(4):361-4 (Eng. Abstr.) **(Fre)**

[Value of sonographic imaging of the pancreatic duct for the diagnosis of chronic pancreatitis and pancreatic cancer compared to ERCP] Gebel M, et al. **Ultraschall Med** 1985 Jun;6(3):127-30 **(Ger)**

[Sonographic diagnosis of a calculus in the obstructed pancreatic duct] Pochhammer KF, et al. **Ultraschall Med** 1985 Jun;6(3):137-8 (Eng. Abstr.) **(Ger)**

[Cell kinetics in the pancreatic ductal dysplasia. 3H-thymidine autoradiography study during pancreatic carcinogenesis in syrian golden hamsters by N-nitrosobis-(2-hydroxypropyl) amine] Ishikawa O, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Nov; 81(11):2786-92 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Effects of gastrointestinal hormones on Oddi's sphincter and duodenal myoelectric activity and pancreatobiliary pressure. Studies in the opossum. Coelho JC, et al. **Arch Surg** 1985 Sep;120(9):1060-4

Effects of exogenous secretin on pancreatic and biliary ductal and sphincteric pressures in man demonstrated by endoscopic manometry and correlation with plasma secretin levels. Carr-Locke DL, et al. **Dig Dis Sci** 1985 Oct;30(10):909-17

Changes in the intraluminal protein digestion of pancreatic duct-ligated rats. Ono A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Feb;31(1):53-68

A new method for correlating pancreatic and biliary duct pressures and sphincter of Oddi electromyography. Coelho JC, et al. **Surgery** 1985 Mar;97(3):342-9

PHYSIOPATHOLOGY

Rhythm abnormalities of the biliary and pancreatic sphincters: diagnosis by endoscopic manometry. Gregg JA, et al. **Am J Surg** 1984 Nov;148(5):602-6

Endoscopic manometry of the pancreatic duct and sphincter zone in patients with chronic pancreatitis. Novis BH, et al. **Dig Dis Sci** 1985 Mar;30(3):225-8

Endoscopic pancreatic and biliary manometry in pancreatic, biliary, and papillary disease, and after endoscopic sphincterotomy and surgical sphincteroplasty. Gregg JA, et al. **Gut** 1984 Nov;25(11):1247-54

A duodenal duplication cyst communicated with an accessory pancreatic duct. Shimada H, et al. **Jpn J Surg** 1984 Jul;14(4):320-6

Pancreatic duct and microvascular permeability to macromolecules. The relation to acute pancreatitis. Reber HA. **Scand J Gastroenterol [Suppl]** 1985;112:96-100

RADIOGRAPHY

Development of gallstone pancreatitis. The role of the common channel. Police AM, et al. **Arch Surg** 1984 Nov; 119(11):1299-300

An improved technique for accessory papilla cannulation in pancreas divisum. O'Connor KW, et al. **Gastrointest Endosc** 1985 Feb;31(1):13-7

The normal pancreatogram in Thai subjects. Kladchareon N, et al. **J Med Assoc Thai** 1984 Nov;67(11):596-601

The pancreatic ducts in primary biliary cirrhosis and sclerosing cholangitis. Fausa O, et al. **Scand J Gastroenterol [Suppl]** 1985;107:32-5

Anatomy of the choledochopancreatic duct junction in primary sclerosing cholangitis. Muller EL, et al. **Surgery** 1985 Jan;97(1):21-7

[Early diagnosis of pancreatic cancer by routine CT scanning; significance of the pancreatic bile duct scanning] Furukawa Y. **Gan To Kagaku Ryoho** 1985 Feb;12(2):200-11 (Eng. Abstr.) **(Jpn)**

SURGERY

Combined pancreatic duct and upper gastrointestinal and biliary tract drainage in chronic pancreatitis. Prinz RA, et al. **Arch Surg** 1985 Mar;120(3):361-6

Pancreatic duct haemorrhage. Brown RA, et al. **Br J Surg** 1985 Mar;72(3):223-4

Accessory sphincterotomy (endoscopic and surgical) in patients with pancreas divisum. Russell RC, et al. **Br J Surg** 1984 Dec;71(12):954-7

Pancreatic sphincterotomy and pancreatic endoprosthesis. Fuji T, et al. **Endoscopy** 1985 Mar;17(2):69-72

Pancreatic function after endoscopic and surgical occlusion of the pancreatic duct in patients with chronic pancreatitis. Pap A, et al. **Endoscopy** 1985 Mar;17(2):60-3

Floating pancreatic duct concrements in chronic pancreatitis. Pain relief by endoscopic removal. Schneider MU, et al. **Endoscopy** 1985 Jan;17(1):8-10

Influence of pancreatic duct occlusion on islet hormones in peripheral and portal plasma and in the pancreas of the mini-pig. Schwille PO, et al. **Eur Surg Res** 1985;17(1):17-24

Management of pancreatic pseudocysts in chronic alcoholic pancreatitis with duct dilatation. da Cunha JE, et al. **Int Surg** 1985 Jan-Mar;70(1):53-6

Chronic pancreatitis: long-term surgical results of pancreatic duct drainage, pancreatic resection, and near-total pancreatectomy and islet autotransplantation. Morrow CE, et al. **Surgery** 1984 Oct;96(4):608-16

Initial human pancreas transplantation and attempts to improve pancreatic duct anastomosis. Harle IA, et al. **Transplant Proc** 1985 Aug;17(4):1955-8

Acinar structure and function in canine pancreatic autografts with duct drainage into the urinary bladder. MacAulay MA, et al. **Transplantation** 1985 May;39(5):490-5

[Wirsung's duct-jejunal anastomosis with simultaneous papilloplasty based on endoscopic retrograde cholangiopancreatography] Tasev Kh, et al. **Khirurgiia (Sofiia)** 1985;38(1):61-2 **(Bul)**

[Endoscopic occlusion treatment in patients with chronic pancreatitis] Flautner L, et al. **Chirurg** 1985 Jan;56(1):36-40 (Eng. Abstr.) **(Ger)**

[Modified partial duodenopancreatectomy with preservation of the stomach, proximal gastric vagotomy and pancreatic duct occlusion] Zumtobel V, et al. **Chirurg** 1985 Jun; 56(6):382-5 (Eng. Abstr.) **(Ger)**

[Pancreatic duct occlusion from the surgical viewpoint] Hollender LF. **Langenbecks Arch Chir** 1985;363(3):147-8 **(Ger)**

[Therapeutic pancreatic duct occlusion in chronic pancreatitis: clinical, exocrine and endocrine consequences in a 12 month follow-up study] Schneider MU, et al. **Langenbecks Arch Chir** 1985;363(3):149-63 (Eng. Abstr.) **(Ger)**

[Wirsung-jejunostomy in the surgical therapy of chronic recurrent pancreatitis] Monti GF, et al. **Minerva Chir** 1985 Apr 15;40(7):521-6 **(Ita)**

[Insulin secretion and pancreatojejunal diversion in patients with chronic alcoholic pancreatitis] Penteado S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Sep-Oct;

39(5):223-6 (Eng. Abstr.) **(Por)**

[Treatment of acute destructive pancreatitis by sealing the pancreatic duct system] Gal'perin EI, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):45-50 (Eng. Abstr.) **(Rus)**

[Method of occluding the ductal system of the pancreas] Veronskiĭ GI, et al. **Vestn Khir** 1985 Apr;134(4):116-9 **(Rus)**

ULTRASTRUCTURE

Pancreatic duct glands. III. Morphology of secretory epithelium and endoepithelial glands. Böck P, et al. **Z Mikrosk Anat Forsch** 1984;98(6):857-72

[Histogenesis and implications of the pancreatic pseudoductules in experimental pancreatic carcinogenesis of hamster induced by N-nitrosobis (2-hydroxypropyl) amine] Monno S. **Nippon Shokakibyo Gakkai Zasshi** 1984 Nov;81(11):2793-802 (Eng. Abstr.) **(Jpn)**

PANCREATIC EXTRACTS

PHARMACODYNAMICS

[Mechanism of the hypotensive action of inkrepan] Surovikina MS, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct;(5):40-3 **(Rus)**

THERAPEUTIC USE

Blood levels of certain vitamins in patients with chronic pancreatitis. Effect of substitutive treatment with pancreatic extracts. Dzieniszewski J, et al. **Mater Med Pol** 1984 Apr-Dec;16(2-4):71-4

[Medical treatment of a gastric bezoar (letter)] Mineur P, et al. **Acta Clin Belg** 1984;39(5):316-9 **(Fre)**

PANCREATIC FISTULA

COMPLICATIONS

Wirsungorrhagia or hemoductal pancreatitis: report of a case and review of the literature. Yokoyama I, et al. **Am J Gastroenterol** 1984 Oct;79(10):764-8

Chronic pancreatic pleural effusions and ascites. Gertsch P, et al. **Int Surg** 1984 Apr-Jun;69(2):145-7

[Pancreatic ascites] Simón MA, et al. **Rev Esp Enferm Apar Dig** 1985 Mar;67(3):275-9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

ERCP documentation of pancreatic ascites and cystoenteric fistula. Brozinsky S. **West J Med** 1985 Apr;142(4):552-4

[Pancreatic fistulae] Merdzhanov A, et al. **Khirurgiia (Sofiia)** 1984;37(6):473-8 (Eng. Abstr.) **(Bul)**

[Diagnosis and treatment of internal pancreatic fistulae] Shalimov SA, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):59-61 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Glucagon treatment of external pancreatic fistula. A case report. Fallingborg J, et al. **Acta Chir Scand** 1985; 151(2):183-4

Inhibition of human pancreatic secretion by terbutaline as a potential agent for treating patients with pancreatic fistula. Joehl RJ, et al. **Surg Gynecol Obstet** 1985 Feb; 160(2):109-14

[Somatostatin in the treatment of pancreatic fistulas] Violi V, et al. **Ann Ital Chir** 1984;56(6):541-51 (Eng. Abstr.) **(Ita)**

[Critical evaluation of the protracted use of somatostatin in the conservative treatment of complex pancreatico-duodenal fistulas] Rumi A, et al. **Chir Ital** 1983 Dec;35(6):1003-13 (Eng. Abstr.) **(Ita)**

[Preliminary report on the use of somatostatin in the treatment of external pancreatic fistula] Arcuri V, et al. **Minerva Chir** 1984 Apr 30;39(8):597-9 (Eng. Abstr.) **(Ita)**

[Treatment of a case of pancreatic fistula using somatostatin] Pancaldi R, et al. **Minerva Chir** 1985 May 15;40(9):663-6 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Spontaneous fistulization of a pancreatic abscess into the stomach. Ovnat A, et al. **Isr J Med Sci** 1985 Jun; 21(6):548-50

Abdominal abscess with low-output fistula: successful percutaneous drainage. Kerlan RK Jr, et al. **Radiology** 1985 Apr;155(1):73-5

PHYSIOPATHOLOGY

Experimental model of chronic pancreatic fistula in dogs. Dabrowski Z, et al. **Methods Find Exp Clin Pharmacol** 1984 Sep;6(9):509-11

PREVENTION & CONTROL

[Postoperative pancreatic fistulas: clinical study of a series of 114 consecutive cephalic duodeno-pancreatectomies] Lerut J, et al. **Acta Chir Belg** 1985 May-Jun;85(3):205-10 (Eng. Abstr.) **(Fre)**

[Treatment of the residual pancreatic stump with tissue adhesives] Urbano D, et al. **Chir Patol Sper** 1983 Feb; 31(1):21-8 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

[X-ray diagnosis of pancreatic fistula] Radzikhovskiĭ AP, et al. **Vestn Rentgenol Radiol** 1984 Jul-Aug;(4):8-13 (Eng. Abstr.) **(Rus)**

SURGERY

[Surgical tactics in external pancreatic fistulas] Milonov OB, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):72-6 (Eng. Abstr.) **(Rus)**

THERAPY

[Pancreatic fistulas: evaluation of medical treatment in 50 observed cases] Pederzoli P, et al. **Chir Ital** 1983 Dec; 35(6):993-1002 (Eng. Abstr.) **(Ita)**

[External duodeno-pancreatic fistulas. Proposal of an associated treatment: aspiration with a nutripump and infusion of lactic acid] Rumi A, et al. **Chir Ital** 1984 Apr; 36(2):204-8 (Eng. Abstr.) **(Ita)**

[Total parenteral nutrition and somatostatin in hypersecretory pancreatic and pancreatico-jejunal fistulas] Gaggiotti G, et al. **Minerva Chir** 1985 May 31;40(10):711-5 (Eng. Abstr.) **(Ita)**

[Successful use of biological film to eliminate a parapancreatic fistula with suppuration of the surgical wound and eventration of the intestine] Timoshin AD, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):136-8 **(Rus)**

PANCREATIC FUNCTION TESTS

Further evidence for the influence of intraduodenal pH on the PABA test. Hoek FJ, et al. **Clin Chim Acta** 1984 Oct 15;142(3):287-92

The noninvasive biochemical diagnosis of gastrointestinal disease, with special reference to children. Goldberg DM. **Clin Physiol Biochem** 1984;2(5):249-68 (115 ref.)

Fluorescein dilaurate test [letter] **Lancet** 1985 Jul 13; 2(8446):96

Testing pancreatic function [letter] MacGilchrist AJ, et al. **Lancet** 1985 Jun 8;1(8441):1337-8

Pancreatic function tests. Cavallini G, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):383-97

Evaluation of the marker technique for measurement of exocrine pancreatic secretion rate. Rune SJ, et al. **Scand J Gastroenterol** 1985 May;20(4):525-9

Effect of long-term fasting of obese patients on pancreatic exocrine function, gastrointestinal hormones and bicarbonate concentration in plasma. Fölsch UR, et al. **Z Gastroenterol** 1984 Jul;22(7):357-64

[Clinical evaluation of the BT-PABA test] Li C. **Chung Hua Nei Ko Tsa Chih** 1984 Nov;23(11):685-7 (Eng. Abstr.) **(Chi)**

[Therapeutic pancreatic duct occlusion in chronic pancreatitis: clinical, exocrine and endocrine consequences in a 12 month follow-up study] Schneider MU, et al. **Langenbecks Arch Chir** 1985;363(3):149-63 (Eng. Abstr.) **(Ger)**

[Endoscopy supported biochemical pancreatic differential diagnosis within the scope of a diagnosis strategy] Neymeyer HG, et al. **Z Med Lab Diagn** 1985;26(2):101-7 (Eng. Abstr.) **(Ger)**

METHODS

Prospective comparison of three non-invasive tests for pancreatic disease [letter] **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1076

Problems of interference in the PABA test for assessment of pancreatic exocrine function [letter] Ward CD, et al. **Clin Chem** 1985 Apr;31(4):661

Indirect pancreatic function tests: chemical and radioisotope methods. Lankisch PG, et al. **Clin Gastroenterol** 1984 Sep; 13(3):717-37 (132 ref.)

Diagnostic and therapeutic applications of bentiromide screening test for exocrine pancreatic insufficiency in patients with cystic fibrosis. Comparison with other tests of exocrine pancreatic disease. Hubbard VS, et al. **Dig Dis Sci** 1984 Oct;29(10):881-9

Bentiromide test for assessing pancreatic dysfunction using analysis of para-aminobenzoic acid in plasma and urine. Studies in cystic fibrosis and Shwachman's syndrome. Weizman Z, et al. **Gastroenterology** 1985 Sep;89(3):596-604

Serum PABA test in chronic pancreatitis [letter] Bellentani S, et al. **Gut** 1985 May;26(5):537-8

Pancreatic digestive function after subtotal gastrectomy--evaluation by an indirect method. Malfertheiner P, et al. **Hepatogastroenterology** 1984 Aug; 31(4):172-5

Pancreatic function testing in cystic fibrosis. Durie PR, et al. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S89-98

Faecal chymotrypsin for investigation of exocrine pancreatic function: a comparison of two newly developed tests with the titrimetric method. Ehrhardt-Schmelzer S, et al. **Z Gastroenterol** 1984 Nov;22(11):647-51

[Secretin test and its applications] Lu XH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):372-4 (Eng. Abstr.) **(Chi)**

[Evaluation of pancreatic exocrine function in various pancreatic disorders by pancreatic function diagnostant (PFD) test] Lin JT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Oct;83(10):996-1000 (Eng. Abstr.) **(Chi)**

[The PABA test] Müller G, et al. **Dtsch Z Verdau Stoffwechselkr** 1984;44(5):219-31 (Eng. Abstr.) **(Ger)**

[Chronic pancreatitis: sensitivity, specificity and predictive value of the pancreolauryl test] Freise J, et al. **Z Gastroenterol** 1984 Dec;22(12):705-12 (Eng. Abstr.) **(Ger)**

[Insulin determination in pure pancreatic juice following secretin-pancreozymin stimulation] Neymeyer HG, et al. **Z Med Lab Diagn** 1984;25(8):455 **(Ger)**

[Personal experience in studying the exocrine function of the pancreas using Spofagnost] Bátovský M, et al. **Vnitr Lek** 1985 Jun;31(6):595-601 (Eng. Abstr.) **(Slo)**

VETERINARY

Further evaluation of bentiromide in the diagnosis of canine exocrine pancreatic insufficiency. Zimmer JF, et al. **Cornell Vet** 1985 Jul;75(3):426-40

PANCREATIC HORMONES

ANALYSIS

On the contamination of commercially available aprotinins with pancreatic islet peptides. Baldissera FG, et al. **Scand J Clin Lab Invest** 1984 Nov;44(7):669-72

Insulin, glucagon and somatostatin content of the non-obese diabetic (NOD) mouse pancreas and plasma virus antibodies to Coxsackie B- and reoviruses. Tasaka Y, et al. **Tohoku J Exp Med** 1985 Jun;146(2):153-62

BLOOD

The effect of starvation on the gastro-entero-pancreatic hormonal and metabolic responses to exercise. (GEP hormones in starvation and exercise). Bell PM, et al. **Diabete Metab** 1984 Sep;10(3):194-8

Somatostatin-14 modulates postprandial glucose levels and release of gastrointestinal and pancreatic hormones. O'Shaughnessy DJ, et al. **Digestion** 1985;31(4):234-42

Effect of exogenous somatostatin infusion on gastrointestinal blood flow and hormones in the conscious dog. Price BA, et al. **Gastroenterology** 1985 Jan;88(1 Pt 1):80-5

Effects of certain metabolites on pancreatic endocrine responses to stimulation of the vagus nerves in conscious calves. Bloom SR, et al. **J Physiol (Lond)** 1985 May; 362:303-10

The effects of ileal transposition and jejunoileal bypass on food intake and GI hormone levels in rats. Koopmans HS, et al. **Physiol Behav** 1984 Oct;33(4):601-9

[Effects of the duration of fasting and of refeeding on pancreatic hormones and plasma metabolites in the duck] Brahim MB, et al. **Tunis Med** 1984 Jul-Aug;62(4):307-13 (Eng. Abstr.) **(Fre)**

[Pancreatic hormones and cyclic nucleotides in the blood in chronic recurrent pancreatitis] Iagoda AV, et al. **Ter Arkh** 1984;56(12):94-6 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Impaired growth hormone response to human pancreatic growth hormone releasing factor [GRF(1-44)] in type 2 (non-insulin-dependent) diabetes. Richards NT, et al. **Diabetologia** 1984 Nov;27(5):529-34

PHARMACODYNAMICS

Human pancreatic growth hormone releasing factor (hpGRF): GRF- and GH-levels after bolus injection and infusion of hpGRF. von Werder K, et al. **Acta Neurochir (Wien)** 1985;75(1-4):81-7

Stimulation of pituitary cAMP accumulation by human pancreatic GH-releasing factor-(1-44). Culler MD, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E609-15

Oral glucose inhibits growth hormone secretion induced by human pancreatic growth hormone releasing factor 1-44 in normal man. Davies RR, et al. **Clin Endocrinol (Oxf)** 1984 Oct;21(4):477-81

Comparison of growth hormone responses to human pancreatic growth hormone releasing factor and other pharmacological stimuli in acromegalic patients. Karashima T, et al. **Endocrinol Jpn** 1984 Jun;31(3):343-8

Interplay of nutrients and hormones in the regulation of glucagon release. Pipeleers DG, et al. **Endocrinology** 1985 Sep;117(3):817-23

Interplay of nutrients and hormones in the regulation of insulin release. Pipeleers DG, et al. **Endocrinology** 1985 Sep; 117(3):824-33

Stimulation of growth hormone secretion by human pancreatic growth-hormone-releasing factor and thyrotrophin-releasing hormone in anaesthetized chickens. Scanes CG, et al. **Gen Comp Endocrinol** 1984 Nov; 56(2):198-203

Effect of intravenous administration of growth hormone-releasing factor (hpGRF-44) and Tyr-D-Trp-Ala-Trp-D-Phe-NH2 on plasma hormones and metabolites in goats. Hart IC, et al. **J Endocrinol** 1984 Nov;103(2):173-8

Administration of synthetic human pancreatic growth hormone-releasing factor for five days sustains raised serum concentrations of growth hormone in steers. Moseley WM, et al. **J Endocrinol** 1985 Mar;104(3):433-9

PHYSIOLOGY

Insulin-mediated and non-insulin-mediated metabolic effects of gastroenteropancreatic peptides in type I and type II diabetes. Dupre J, et al. **Adv Exp Med Biol** 1985;189:207–25

Diurnal changes in the rate of cholesterogenesis in hepatocytes from fed and starved rats: effects of precursors and pancreatic hormones in vitro. Björnsson OG, et al. **Arch Biochem Biophys** 1985 Apr;238(1):135–45

[Pancreatic hormone, amino acid metabolism and hepatic coma] Zhao CJ. **Chung Hua Nei Ko Tsa Chih** 1984 Apr; 23(4):244–6 (17 ref.) **(Chi)**

[An experimental study on the role of pancreatic hormones in the regeneration of the canine liver] Kuroda H. **Nippon Geka Gakkai Zasshi** 1985 May;86(5):576–86 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

[Hormones of the thyroid gland and pancreas in lethally irradiated rats] Ahlersová E, et al. **Bratisl Lek Listy** 1985 Apr;83(4):433–9 (Eng. Abstr.) **(Slo)**

SECRETION

Secretory patterns of glucoregulatory hormones in prehepatic circulation of dogs. Sirek A, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):E34–42

Effects of a thiazide diuretic (hydroflumethiazide) and a loop diuretic (bumetanide) on the endocrine pancreas: studies in vitro. Hermansen K, et al. **Metabolism** 1985 Aug; 34(8):784–9

The role of vagal integrity in gastrin releasing peptide stimulated gastroenteropancreatic hormone release and gastric acid secretion. Greenberg GR, et al. **Regul Pept** 1985 Mar;10(2–3):179–87

Gastric acid secretion, intraduodenal pH and gastroenteropancreatic hormone release to bombesin in antrocolic transposition dogs. Koizumi F, et al. **Tohoku J Exp Med** 1985 Jan;145(1):65–72

[Endocrine cells and tumors of the gastrointestinal system and pancreas] Grimelius L, et al. **Lakartidningen** 1985 Jan 30;82(5):295–8 **(Swe)**

PANCREATIC INSUFFICIENCY

BLOOD

Plasma cholecystokinin concentrations in patients with pancreatic insufficiency measured by sequence-specific radioimmunoassays. Jansen JB, et al. **Dig Dis Sci** 1984 Dec; 29(12):1109–17

COMPLICATIONS

Frequent myocardial lesions in Shwachman's syndrome. Eight fatal cases among 16 Finnish patients. Savilahti E, et al. **Acta Paediatr Scand** 1984 Sep;73(5):642–51

Management of maldigestion associated with pancreatic insufficiency. Perry RS, et al. **Clin Pharm** 1985 Mar–Apr; 4(2):161–9

Fecal fat concentration: determinants and diagnostic value (letter). Arnold GL, et al. **Gastroenterology** 1985 Jul; 89(1):230

Chronic pancreatitis and exocrine insufficiency. Greenberger NJ. **Hosp Pract [Off]** 1985 Jan 30;20(1A):33–45

Central pontine myelinolysis in a child with the Shwachman-Diamond syndrome. Steinsapir KD, et al. **Hum Pathol** 1985 Jul;16(7):741–3

Pancreatic lipomatosis in the Shwachman-Diamond syndrome. Identification by sonography and CT-scan. Robberecht E, et al. **Pediatr Radiol** 1985;15(5):348–9

[Shwachman's syndrome with neonatal thoracic manifestations] Labrune M, et al. **Arch Fr Pediatr** 1984 Oct; 41(8):561–3 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Colorimetric plasma assay for the bentiromide test (BT-PABA) for exocrine pancreatic insufficiency. Gharbo SA, et al. **Anal Biochem** 1985 Jul;148(1):228–32

Serum PABA and fluorescein in the course of Bz-Ty-PABA and pancreolauryl test as an index of exocrine pancreatic insufficiency. Cavallini G, et al. **Dig Dis Sci** 1985 Jul; 30(7):655–63

Diagnostic and therapeutic applications of bentiromide screening test for exocrine pancreatic insufficiency in patients with cystic fibrosis. Comparison with other tests of exocrine pancreatic disease. Hubbard VS, et al. **Dig Dis Sci** 1984 Oct;29(10):881–9

Evaluation of serum pancreatic polypeptide estimations following hormonal stimulation for the diagnosis of exocrine pancreatic insufficiency. Cichy W, et al. **Digestion** 1984;30(4):218–23

BT-Paba test in the diagnosis of pancreatic exocrine insufficiency in cystic fibrosis: urinary and serum determinations compared. Bellentani S, et al. **Eur J Pediatr** 1984 Dec;143(2):145–8

Bentiromide test for assessing pancreatic dysfunction using analysis of para-aminobenzoic acid in plasma and urine. Studies in cystic fibrosis and Shwachman's syndrome. Weizman Z, et al. **Gastroenterology** 1985 Sep;89(3):596–604

[The PABA test] Müller G, et al. **Dtsch Z Verdau Stoffwechselkr** 1984;44(5):219–31 (Eng. Abstr.) **(Ger)**

[Value of isoamylases in the diagnosis of exocrine pancreatic insufficiency in childhood] Morgenstern T, et al. **Monatsschr Kinderheilkd** 1984 Sep;132(9):661–5 (Eng. Abstr.) **(Ger)**

[Fecal chymotrypsin test in the diagnosis of pancreatic insufficiency] Lami F, et al. **Recenti Prog Med** 1985 Feb; 76(2):95–9 (Eng. Abstr.) **(Ita)**

[An adult case with clinical features similar to Shwachman syndrome] Sumii T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):3033–8 **(Jpn)**

[Secretin-pancreozymin test after surgical treatment of cholelithiasis] Ivanchenkova RA, et al. **Sov Med** 1985; (1):86–90 **(Rus)**

DIET THERAPY

Linoleic acid absorption from lipid supplements in patients with cystic fibrosis with pancreatic insufficiency and in control subjects. McKenna MC, et al. **J Pediatr Gastroenterol Nutr** 1985 Feb;4(1):45–51

ENZYMOLOGY

Calcium-ATPase activity in cystic fibrosis erythrocyte membranes: decreased activity in patients with pancreatic insufficiency. Dearborn DG, et al. **Pediatr Res** 1984 Sep; 18(9):890–5

ETIOLOGY

Pancreatic insufficiency in cystic fibrosis: result of defect in ontogenesis of the exocrine pancreas. Lebenthal E. **J Pediatr Gastroenterol Nutr** 1984;3 Suppl 1:S51–4

Exocrine pancreatic insufficiency and idiopathic haemochromatosis. Jansen PL, et al. **Postgrad Med J** 1984 Oct;60(708):675–8

[Diabetes mellitus and exocrine pancreas function] Bretzke G. **Z Gesamte Inn Med** 1984 Aug 15;39(16):388–90 (Eng. Abstr.) **(Ger)**

METABOLISM

Bile acid malabsorption in cystic fibrosis with and without pancreatic insufficiency. Colombo C, et al. **J Pediatr Gastroenterol Nutr** 1984 Sep;3(4):556–62

[The effect of elemental diet on pancreatic exocrine secretion--studied in the model of pancreatic insufficiency in the rat] Miyasaka K. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):2986–91 (Eng. Abstr.) **(Jpn)**

[Insulin, glucagon and gastrin secretion after cholecystokinin-pancreozymin and secretin stimulation in children with pancreatic insufficiency] Socha J, et al. **Pol Tyg Lek** 1984 May 28;39(22):737–41 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Aging-associated pancreatic exocrine insufficiency in the unanesthetized rat. Hollander D, et al. **Gerontology** 1984; 30(4):218–22

[Use of the pancreolauryl test in the diagnosis of exocrine pancreatic insufficiency. Preliminary results] Origlia C, et al. **Boll Soc Ital Biol Sper** 1985 Feb 28;61(2):205–13 (Eng. Abstr.) **(Ita)**

THERAPY

Therapy of exocrine and endocrine pancreatic insufficiency. Lankisch PG, et al. **Clin Gastroenterol** 1984 Sep; 13(3):985–99 (92 ref.)

VETERINARY

Further evaluation of bentiromide in the diagnosis of canine exocrine pancreatic insufficiency. Zimmer JF, et al. **Cornell Vet** 1985 Jul;75(3):426–40

Serum isoamylases and canine pancreatic insufficiency [letter] Simpson JW, et al. **Vet Rec** 1984 Sep 1;115(9):230–1

Serum isoamylases and canine pancreatic insufficiency [letter] Williams DA. **Vet Rec** 1984 Sep 29;115(13):334

Serum isoamylase values in normal dogs and dogs with exocrine pancreatic insufficiency. Simpson JW, et al. **Vet Res Commun** 1984 Nov;8(4):303–8

PANCREATIC JUICE

see related
CHYMOTRYPSIN
CHYMOTRYPSINOGEN
TRYPSIN
TRYPSINOGEN

ANALYSIS

Characterization and N-terminal sequence of a degradation product of 14,000 molecular weight isolated from human pancreatic juice. Guy-Crotte O, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):516–23

Comparative studies on the chemical and immunochemical properties of human milk, human pancreatic juice and bovine milk lactoferrin. Wang CS, et al. **Comp Biochem Physiol [B]** 1984;78(3):575–80

Human pancreatic secretory protein profiles in pancreas cancer and chronic pancreatitis. White TT, et al. **Dig Dis Sci** 1985 Mar;30(3):200–3

Hexose and hexosamine concentrations in human pancreatic juice. Matsuda T, et al. **Gastroenterol Jpn** 1985 Feb; 20(1):48–52

Pancreatic proteins in normal state and pancreatic diseases in pancreatic juice and blood. Figarella C, et al. **Ric Clin Lab** 1984 Jul–Sep;14(3):349–59

Lactoferrin in pure pancreatic juice. Nicolai JJ, et al. **Scand J Gastroenterol** 1984 Sep;19(6):765–9

[Secretin test and its applications] Lu XH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):372–4 (Eng. Abstr.) **(Chi)**

[Lactoferrin and the pancreas. Physiology and physiopathology] Hegnhøj J. **Ugeskr Laeger** 1984 Nov 26; 146(48):3736–8 (Eng. Abstr.) **(Dan)**

[Monoclonal antibody analysis of human pancreatic juice components related to the pancreatic calculi protein] Montalto G, et al. **C R Acad Sci [III]** 1985;300(6):199–202 (Eng. Abstr.) **(Fre)**

[Validity of polyethylene glycol perfusion method in estimating pancreatic secretion (1)] Suzuki H, et al. **Rinsho Byori** 1985 Feb;33(2):205–10 **(Jpn)**

CYTOLOGY

Cytologic criteria for the diagnosis of pancreatic carcinoma. Mitchell ML, et al. **Am J Clin Pathol** 1985 Feb;83(2):171–6

DRUG EFFECTS

Studies on the effect of glucagon on human pancreatic secretion by analysis of endoscopically obtained pure pancreatic juice. Harada H, et al. **Gastroenterol Jpn** 1985 Feb;20(1):28–36

ENZYMOLOGY

Differential determination of serum isoamylase using an amylase inhibitor and its clinical application. Kameya A, et al. **Am J Gastroenterol** 1985 Jan;80(1):54–9

Comparison of pancreatic digestive enzyme secretion induced by volatile fatty acids in mice, Japanese field voles and goats. Harada E. **Comp Biochem Physiol [A]** 1985; 81(3):539–43

Pancreatic secretory trypsin inhibitor, cathodal trypsin, and pancreatic elastase in pancreatic juice collected at endoscopic retrograde cholangiopancreatography. Marks WH, et al. **Curr Surg** 1985 Jan–Feb;42(1):26–8

Nonparallelism of digestive enzymes in rat pancreatic hypersecretion. De Waele B, et al. **Digestion** 1985; 31(4):213–9

Quantitation of some pancreatic juice exocrine proteins in the presence of radiocontrast medium used in endoscopic retrograde pancreatography (ERP). Marks WH, et al. **Endoscopy** 1984 Nov;16(6):211–3

Secretin and pancreatic enzyme secretion [letter] Beglinger C, et al. **Gut** 1985 Mar;26(3):320–2

Role of free cytosolic calcium in secretagogue-stimulated amylase release from dispersed acini from guinea pig pancreas. Pandol SJ, et al. **J Biol Chem** 1985 Aug 25; 260(18):10081–6

[Postsecretory changes of pancreatic juice trypsinogen in the duodenum. I. Partial activation and effect of bile (in vitro study)] Ishihara Y. **Nippon Shokakibyo Gakkai Zasshi** 1985 Mar;82(3):489–99 (Eng. Abstr.) **(Jpn)**

[Postsecretory changes of pancreatic juice trypsinogen in the duodenum. II. Trypsin to amylase ratio in duodenal aspirates indicates the degree of activation of trypsinogen] Ishihara Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Apr;82(4):654–63 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

An immunocytochemical study on secretory mechanism of IgA in human pancreas. Saito H, et al. **Acta Pathol Jpn** 1985 Jan;35(1):87–101

Monoclonal antibody defines CA 19-9 in pancreatic juices and sera. Schmiegel WH, et al. **Gut** 1985 May;26(5):456–60

METABOLISM

Assessment of pancreatic ductal penetration of antibiotics. Wallace JR, et al. **Am Surg** 1984 Dec;50(12):666–7

Effects of intravenous infusion of amino acids, fat, or glucose on unstimulated pancreatic secretion in healthy humans. Niederau C, et al. **Dig Dis Sci** 1985 May;30(5):445–55

Citrate and calcium secretion in the pure human pancreatic juice of alcoholic and nonalcoholic men and of chronic pancreatitis patients. Boustière C, et al. **Digestion** 1985; 32(1):1–9

Inhibition of pancreatic secretory and trophic response to caerulein by the H2-receptor antagonist ranitidine in the rat. Varga G, et al. **Digestion** 1985;31(4):177–82

Influence of transsphincteric fluid flow on spike burst rate of the opossum sphincter of Oddi. Takahashi I, et al. **Gastroenterology** 1984 Dec;87(6):1292–8

Penetration of cefotaxime into pancreatic juice [letter] Benveniste GL, et al. **Lancet** 1985 Mar 9;1(8428):588–9

Penetration of antibiotics into pancreatic juice [letter] Tydén G, et al. **Lancet** 1985 May 4;1(8436):1046

[Insulin determination in pure pancreatic juice following secretin-pancreozymin stimulation] Neymeyer HG, et al. **Z Med Lab Diagn** 1984;25(8):455 **(Ger)**

PHYSIOLOGY

Biliary and pancreatic secretions influence experimental duodenal ulcer without affecting gastric secretion in the rat. Pihan G, et al. **Dig Dis Sci** 1985 Mar;30(3):240-6

Effect of pancreatic secretions on transit in bypassed loops of intestine in rats. Weisbrodt NW, et al. **Dig Dis Sci** 1985 Jan;30(1):78-81

Antibacterial activity of the pancreatic fluid. Rubinstein E, et al. **Gastroenterology** 1985 Apr;88(4):927-32

Platelet activation by human pancreatic fluid. Prinz RA, et al. **J Surg Res** 1984 Oct;37(4):314-9

Pure human pancreatic juice directly enhances uptake of cobalamin by guinea pig ileum in vivo. Carmel R, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):143-50

SECRETION

Effects of chronic irritation of splanchnic nerves on pancreatic juice secretion in dogs. Bicha Castelo H, et al. **Acta Med Port** 1984 Jun;5(6):165-70

Effect of divalent cations on gastrointestinal hormone release and exocrine pancreatic secretion in dogs. Inoue K, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G28-34

Contribution of prostaglandins to dopamine actions in the pancreas of anesthetized dogs. Iwatsuki K, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G110-7

Peptide YY inhibits meal-stimulated pancreatic and gastric secretion. Pappas TN, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G118-23

Secretion of beta-lactam antibiotics in pure human pancreatic juice. Gregg JA, et al. **Am J Surg** 1985 Sep;150(3):333-5

Effect of secretagogues on pancreatic exocrine secretion in the monkey and the dog. Iwatsuki K, et al. **Clin Exp Pharmacol Physiol** 1985 Jan-Feb;12(1):67-72

Effects of chronic alcohol abuse on exocrine pancreatic secretion in man. Rinderknecht H, et al. **Dig Dis Sci** 1985 Jan;30(1):65-71

The role of motilin in periodic interdigestive pancreatic secretion in dogs. Magee DF, et al. **J Physiol (Lond)** 1984 Oct;355:441-7

Effects of cyclic hexapeptide analog of somatostatin on pancreatic secretion in dogs. Konturek SJ, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):68-72

Inhibition of human pancreatic secretion by terbutaline as a potential agent for treating patients with pancreatic fistula. Joehl RJ, et al. **Surg Gynecol Obstet** 1985 Feb;160(2):109-14

[Physiological control and pharmacological inhibition of digestive secretions] De Graef J, et al. **Acta Chir Belg** 1985 May-Jun;85(3):149-53 (Eng. Abstr.) **(Fre)**

[Central inhibition of external pancreatic secretion by D-ala-2-metenkephalinamide in rats] Chicau-Chovet M, et al. **Gastroenterol Clin Biol** 1985 Mar;9(3):220-2 (Eng. Abstr.) **(Fre)**

[Studies on pathophysiology of peptic ulcer. Neutralization by pancreatic juice secretion into the duodenal lumen after HCL loading] Matsumoto J, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Mar;82(3):404-12 (Eng. Abstr.) **(Jpn)**

[The effect of elemental diet on pancreatic exocrine secretion--studied in the model of pancreatic insufficiency in the rat] Miyasaka K. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):2986-91 (Eng. Abstr.) **(Jpn)**

[Effect of bombesin and its N- and C end fragments and their analogs on the secretory function of the pancreas] Fokina AA, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):838-41 **(Rus)**

[Pure pancreatic juice in the diagnosis of chronic pancreatitis] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):86-8 **(Rus)**

[Nervous system regulation of exocrine pancreatic secretion in the chicken] Salido GM, et al. **Rev Esp Fisiol** 1985 Mar;41(1):11-7 (Eng. Abstr.) **(Spa)**

PANCREATIC NEOPLASMS

The glucagonoma syndrome in a Chinese man. Lee KO, et al. **Ann Acad Med Singapore** 1985 Apr;14(2):312-6

Pancreatic carcinoma: diagnosis and treatment. Ihse I, et al. **Clin Gastroenterol** 1984 Sep;13(3):961-84 (107 ref.)

Splenic defect on 99mTc-sulfur colloid scintigraphy but not on CT in a patient with pancreatic carcinoma. Shih WJ, et al. **Eur J Nucl Med** 1985;10(11-12):554-6

Differences in molecular heterogeneity of glucagon-like immunoreactivity in plasma and liver metastases of a patient with alpha-cell tumor. Kohnert KD, et al. **Exp Clin Endocrinol** 1985 Feb;85(1):89-94

Benign metastatic islet cell tumour of the pancreas. Lewis MA, et al. **Med Pediatr Oncol** 1985;13(2):97-100

Somatostatinoma--the most recently described pancreatic islet cell tumor. Reynolds C, et al. **West J Med** 1985 Mar;142(3):393-7

[Osteoblastic metastasis and carcinoma of the pancreas (letter)] Galicia MA, et al. **Med Clin (Barc)** 1985 Jan 19;84(2):83 **(Spa)**

ANALYSIS

Oestrogen receptors in cystadenocarcinoma of the pancreas. Kune GA, et al. **Aust NZ J Surg** 1984 Aug;54(4):321-3

Chemical structure of carcinoma ganglioside antigens defined by monoclonal antibody C-50 and some allied gangliosides of human pancreatic adenocarcinoma. Månsson JE, et al. **Biochim Biophys Acta** 1985 Mar 27;834(1):110-7

Pancreatic polypeptide in islet cell tumors. Morphologic and functional correlations. Tomita T, et al. **Cancer** 1985 Oct 1;56(7):1649-57

Differentiation of muscarinic cholinergic receptors in acinar carcinoma of rat pancreas. Chien JL, et al. **Cancer Res** 1985 Oct;45(10):4858-63

Detection of HBs-Ag in the pancreas in cases of pancreatic carcinoma. Hohenberger P. **Hepatogastroenterology** 1984 Oct;31(5):239-41

Multiparametric tumor marker (CA 19-9, CEA, AFP, POA) analyses of pancreatic juices and sera in pancreatic diseases. Schmiegel WH, et al. **Hepatogastroenterology** 1985 Jun;32(3):141-5

A clinical evaluation of carbohydrate antigen 19-9 and carcinoembryonic antigen in patients with pancreatic carcinoma. Satake K, et al. **J Surg Oncol** 1985 May;29(1):15-21

Fragments of prosomatostatin isolated from a human pancreatic tumour. Conlon JM, et al. **Mol Cell Endocrinol** 1984 Nov;38(1):81-6

Different responses to EGF in two human carcinoma cell lines, A431 and UCVA-1, possessing high numbers of EGF receptors. Gamou S, et al. **Mol Cell Endocrinol** 1984 Sep;37(2):205-13

Lactoferrin in pure pancreatic juice. Nicolai JJ, et al. **Scand J Gastroenterol** 1984 Sep;19(6):765-9

Pancreatic endocrine tumours associated with WDHA syndrome. An immunohistochemical and electron microscopic study. Ooi A, et al. **Virchows Arch [A]** 1985;405(3):311-23

BLOOD

Nightly amended IRI/BG ratio in fasting test during sleeping periods in subjects with insulinoma and in normal, diabetic and obese subjects. Villaume C, et al. **Acta Diabetol Lat** 1984 Oct-Dec;21(4):325-32

Effects of secretin on parathyroid hormone and calcium in normal subjects, patients with hyperparathyroidism and patients with gastrinoma. Benson L, et al. **Acta Med Scand** 1985;217(2):205-11

28-hour profiles of blood glucose (BG), plasma immunoreactive insulin (IRI) and IRI/BG ratio in four insulinomas. Villaume C, et al. **Ann Endocrinol (Paris)** 1984;45(3):155-60

Concentrations of protease and anti-protease in serum of patients with pancreatic cancer. Buamah PK, et al. **Clin Chem** 1985 Jun;31(6):876-7

Alpha 1-antitrypsin and cancer of the pancreas. Tountas Y, et al. **Digestion** 1985;31(1):37-40

Glucose-induced GIP levels in patients with insulinoma. Tamburrano G, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:200-3

Acinar cell carcinoma of the pancreas with elevated serum alpha-fetoprotein. Ono J, et al. **Int Surg** 1984 Oct-Dec;69(4):361-4

Euthyroid hyperthyroxinemia and thyroxine-binding prealbumin excess in islet cell carcinoma. Rajatanavin R, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):17-21

Humoral hypercalcemia of malignancy (pseudohyperparathyroidism) [letter] Peter SA. **NY State J Med** 1985 Jun;85(6):242

[Insulin assay in insulinoma] Zeng XJ. **Chung Hua Wai Ko Tsa Chih** 1984 Jan;22(1):13-8, 62 (Eng. Abstr.) **(Chi)**

[Discordance between peripheral blood levels of insulin and C-peptide in a case of insulinoma (letter)] Grimaldi A, et al. **Presse Med** 1984 Sep 15;13(31):1901-2 **(Fre)**

BLOOD SUPPLY

Demonstration of an angiographically hypovascular insulinoma with intraarterial dynamic CT. Fink IJ, et al. **AJR** 1985 Mar;144(3):555-6

CHEMICALLY INDUCED

Secretory, enzymatic, and morphological characterization of rat pancreatic endocrine tumours induced by streptozotocin and nicotinamide. Lenzen S, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):361-8

Pancreatic carcinogenesis-enhancement by cholecystokinin in the hamster-nitrosamine model. Howatson AG, et al. **Br J Cancer** 1985 Jan;51(1):107-14

Induction of rat pancreatic B-cell tumors by the combined administration of streptozotocin or alloxan and poly(adenosine diphosphate ribose) synthetase inhibitors. Yamagami T, et al. **Cancer Res** 1985 Apr;45(4):1845-9

Proliferative lesions of the exocrine pancreas in male F344/N rats. Boorman GA, et al. **Environ Health Perspect** 1984 Jun;56:213-7

Lesions induced in rodent pancreas by azaserine and other pancreatic carcinogens. Longnecker DS. **Environ Health Perspect** 1984 Jun;56:245-51

Studies of pancreatic carcinogenesis in different animal models. Scarpelli DG, et al. **Environ Health Perspect** 1984 Jun;56:217-27 (55 ref.)

Pancreatic carcinogenic nitrosamines in Syrian hamsters. Pour PM, et al. **IARC Sci Publ** 1984;(57):683-8

Induction of pancreatic carcinomas in rats with N-nitroso(2-hydroxypropyl)(2-oxopropyl)amine: histopathology. Longnecker DS, et al. **JNCI** 1985 Jan;74(1):209-17

Enhancement of pancreatic carcinogenesis by a dietary unsaturated fat in rats treated with saline or N-nitroso(2-hydroxypropyl)(2-oxopropyl)amine. Longnecker DS, et al. **JNCI** 1985 Jan;74(1):219-22

[Effects of immunosuppressive acidic protein on 7, 12-dimethylbenzanthracene (DMBA) induced pancreatic cancer in rats] Ejiri T, et al. **Nippon Geka Gakkai Zasshi** 1984 Jun;85(6):555-62 (Eng. Abstr.) **(Jpn)**

[Trophic effect of caerulein on the normal pancreas and enhancement in experimental pancreatic cancer by caerulein in the Syrian golden hamster] Mukai R. **Nippon Geka Gakkai Zasshi** 1985 May;86(5):602-12 (Eng. Abstr.) **(Jpn)**

[Histogenesis and implications of the pancreatic pseudoductules in experimental pancreatic carcinogenesis of hamster induced by N-nitrosobis (2-hydroxypropyl) amine] Monno S. **Nippon Shokakibyo Gakkai Zasshi** 1984 Nov;81(11):2793-802 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Size of the tumor and other factors influencing prognosis of carcinoma of the head of the pancreas. Tsuchiya R, et al. **Am J Gastroenterol** 1985 Jun;80(6):459-62

[Classification of pancreatic cancer (letter)] Keller EH, et al. **Dtsch Med Wochenschr** 1985 Mar 22;110(12):479 **(Ger)**

COMPLICATIONS

Obstructive jaundice in the elderly. Vallon AG, et al. **Age Ageing** 1985 May;14(3):143-8

Mucus-producing tumors with mucinous biliary obstruction causing jaundice: diagnosed and treated endoscopically. Smith E, et al. **Am J Gastroenterol** 1985 Apr;80(4):287-9

Clinical significance of the association of the Von Hippel-Lindau disease with pheochromocytoma and pancreatic apudoma. Mulshine JL, et al. **Am J Med Sci** 1984 Dec;288(5):212-6

Papulosquamous eruption with weight loss: Necrolytic migratory erythema (glucagonoma syndrome). Skouge JW, et al. **Arch Dermatol** 1985 Mar;121(3):400, 403

Multiple islet cell adenomas in a patient with secondary hemochromatosis [letter] Sale GE. **Arch Pathol Lab Med** 1985 Sep;109(9):795

Reflex sympathetic dystrophy as a probable paraneoplastic syndrome: case report and literature review. Michaels RM, et al. **Arthritis Rheum** 1984 Oct;27(10):1183-5

A litany of DVTs. Livingston A. **Aust Fam Physician** 1984 Nov;13(11):826

Depression and carcinoma of the pancreas. Joffe RT, et al. **Can J Psychiatry** 1985 Mar;30(2):117-8

Neuroendocrine islet cell tumour producing gastrin and ACTH in a patient with calcifying chronic pancreatitis. Allison MC, et al. **Gut** 1985 Apr;26(4):426-8

Hypoglycemic coma in a high school dropout [clinical conference] Kassirer JP, et al. **Hosp Pract [Off]** 1985 Jun 15;20(6):199-204

Glucagonoma syndrome: in vitro evidence that glucagon increases epidermal arachidonic acid. Peterson LL, et al. **J Am Acad Dermatol** 1984 Sep;11(3):468-73

Glucagonoma syndrome. A clinicopathologic, immunocytochemical, and ultrastructural study. Vandersteen PR, et al. **J Am Acad Dermatol** 1985 Jun;12(6):1032-9

Rapid regional osteolysis from pancreatic carcinoma. Garcia JF. **J Can Assoc Radiol** 1985 Jun;36(2):150-1

Acromegaly and Zollinger-Ellison syndrome secondary to an islet cell tumor: characterization and quantification of plasma and tumor human growth hormone-releasing factor. Wilson DM, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):1002-5

Treatment-resistant depression in an elderly patient with pancreatic carcinoma: case report. Pomara N, et al. **J Clin Psychiatry** 1984 Oct;45(10):439-40

Obstructive jaundice secondary to pancreatic adenocarcinoma in a seven-year-old male. Smith JH 3d, et al. **J Pediatr Surg** 1985 Apr;20(2):184-5

Pancreatic carcinoma presenting with isolated bleeding gastric varices. Alberti-Flor JJ, et al. **J Tenn Med Assoc** 1985 Feb;78(2):81-2

Zollinger-Ellison syndrome associated with pancreatic cystadenocarcinoma [letter] Margolis RM, et al. **N Engl J Med** 1984 Nov 22;311(21):1380-1

Effect of a long-acting somatostatin analogue (SMS 201-995) in a patient with pancreatic cholera. Maton PN, et al. **N Engl J Med** 1985 Jan 3;312(1):17-21

Neurological aspects of insulinomas. Daggett P, et al. **Postgrad Med J** 1984 Sep;60(707):577-81

Acute chylous ascites with carcinoid of the pancreas. Varma JS. **Scott Med J** 1985 Apr;30(2):111

Adenocarcinoma in cystic fibrosis. Davis TM, et al. **Thorax** 1985 Mar;40(3):199-200

Disappearance of antibodies to Factor VIII in a patient with acquired haemophilia and carcinoma of the pancreas during cytotoxic therapy with fluorouracil and CCNU. Rhodes EG, et al. **Thromb Haemost** 1984 Oct 31;52(2):131-3

Hypoglycemia. Leifer CE, et al. **Vet Clin North Am [Small Anim Pract]** 1984 Jul;14(4):873-89 (84 ref.)

Prevalence of diffuse pancreatic beta islet cell disease with hyperinsulinism: problems in recognition and management. Harrison TS, et al. **World J Surg** 1984 Aug;8(4):583-9

NEWARK PUBLIC LIBRARY

[Pancreatic endocrine tumors with digestive effects. Physiopathological and clinical aspects] Rigaud D, et al. **Ann Med Interne (Paris)** 1984;135(5):396–9 (Eng. Abstr.) **(Fre)**

[Necrolytic migratory erythema: glucagonoma syndrome. Clinical and histological aspects] Wilkinson DS. **Ann Med Interne (Paris)** 1984;135(8):654–7 (Eng. Abstr.) **(Fre)**

[Plasmacytoma of the head of the pancreas: a rare cause of cholestatic jaundice] Jaubert D, et al. **Gastroenterol Clin Biol** 1985 Jun–Jul;9(6–7):532–4 (Eng. Abstr.) **(Fre)**

[Surgical evaluation of neoplastic bilio-pancreatic icterus: apropos of 55 cases] Laarif R, et al. **Tunis Med** 1985 Mar; 63(3):181–4 (Eng. Abstr.) **(Fre)**

[Use of ultrasound tomography in the control of endoscopic retrograde bile duct drainage] Bauer J, et al. **Dtsch Z Verdau Stoffwechselkr** 1984;44(4):167–72 (Eng. Abstr.) **(Ger)**

[Pancreas head carcinoma associated with situs inversus viscerum totalis] Sakaguchi O, et al. **Nippon Geka Gakkai Zasshi** 1985 Jan;86(1):111–5 (Eng. Abstr.) **(Jpn)**

[Chronic pancreatitis and pancreatic cancer] Kosidlo S, et al. **Wiad Lek** 1985 Jan 1;38(1):59–62 (Eng. Abstr.) **(Pol)**

[Organic hypoglycemia of pancreatic origin (50 surgical cases)] Juvara I, et al. **Rev Chir [Chir]** 1983 Jul–Aug; 32(4):269–78 **(Rum)**

[Rare causes of duodenal stenosis] Postolov PM, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):115–6 **(Rus)**

[Optimal timing of radical surgery for tumors of the pancreaticoduodenal zone associated with jaundice] Kasum'ian SA, et al. **Vestn Khir** 1985 Jan;134(1):49–51 (Eng. Abstr.) **(Rus)**

[Bile-diverting anastomoses in tumorous obturation of the bile ducts] Vinogradov VV, et al. **Vestn Khir** 1985 Apr; 134(4):40–6 (Eng. Abstr.) **(Rus)**

[Multiple thromboembolic complications in pancreatic cancer] Protsenko NV, et al. **Vopr Onkol** 1984;30(11):89–91 **(Rus)**

[Chylous ascites in the adult] Vidal Marsal F, et al. **Rev Clin Esp** 1985 Jun;177(1):31–4 (Eng. Abstr.) **(Spa)**

[Pancreatic lithiasis and cancer of the pancreas] Rodríguez Alvarez JL, et al. **Rev Esp Enferm Apar Dig** 1985 Mar; 67(3):269–74 (Eng. Abstr.) **(Spa)**

[Pancreatico-duodenal angiodysplasia associated with carcinoid of the pancreas] Sigler L, et al. **Rev Gastroenterol Mex** 1984 Apr–Jun;49(2):119–21 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Congenital leukemia with excessive tumorous infiltration of the pancreas] Parussis E. **Pathologe** 1984 May;5(3):173–6 **(Ger)**

DIAGNOSIS

Impact of new imaging techniques on survival in cancer of the head of the pancreas and the periampullary region. Kairaluoma MI, et al. **Acta Chir Scand** 1985;151(1):69–72

Neuroendocrine carcinoma of the pancreas diagnosed by aspiration cytology. A case report. Banner BF, et al. **Acta Cytol (Baltimore)** 1985 May–Jun;29(3):442–8

Usefulness of bile cytology in the diagnostic management of patients with biliary tract obstruction. Cobb CJ, et al. **Acta Cytol (Baltimore)** 1985 Mar–Apr;29(2):93–100

Comparison of efficiency of pharmacoangiography and other investigative methods (endoscopic retrograde cholangiopancreatography, computer tomography, ultrasound) in the diagnosis of pancreatic tumours. Drugová B, et al. **Acta Univ Carol [Med] (Praha)** 1984; 30(7–8):545–63

Intraoperative sonography of the pancreas. Smith SJ, et al. **AJR** 1985 Mar;144(3):557–62

Penile thrombophlebitis as a presenting manifestation of pancreatic carcinoma. Horn AS, et al. **Am J Gastroenterol** 1985 Jun;80(6):463–5

Decision analysis for the practicing gastroenterologist. 2. Insights into the efficacy of diagnostic strategies using decision analysis. Richter JM, et al. **Am J Gastroenterol** 1985 Jun;80(6):493–7

Carcinoma of the pancreas in nonjaundiced patients. A silent disease. Sheth N, et al. **Am Surg** 1985 May;51(5):252–5

Use of a computerized glucose clamp technique to diagnose an insulinoma. Reynolds JH, et al. **Ann Intern Med** 1984 Nov;101(5):648–9

Diagnosis of insulinoma and the euglycemic hyperinsulinemic clamp technique [letter] Service FJ. **Ann Intern Med** 1985 Mar;102(3):417–8

The place of fine needle aspiration cytology for the intraoperative diagnosis of pancreatic malignancy. Keighley MR, et al. **Ann R Coll Surg Engl** 1984 Nov; 66(6):405–8

Pancreatic amylase as a tumour marker for pancreatic cancer. Hilmy AM, et al. **Arch Geschwulstforsch** 1984;54(6):475–82

Anomalous glucose and insulin responses in patients with insulinoma. Caveats for diagnosis. Dons RF, et al. **Arch Intern Med** 1985 Oct;145(10):1861–3

Insulinoma in pregnancy. Shaw DL, et al. **Ariz Med** 1985 Jul;42(7):406–8

Diagnosis and management of pancreatic cancer. Kune GA, et al. **Aust Fam Physician** 1985 Apr;14(4):259–60

Operative fine needle aspiration cytology of pancreatic tumours. Smith RC, et al. **Aust NZ J Surg** 1985 Apr; 55(2):145–8

Exacerbation of diarrhea after iodinated contrast agents in a patient with VIPoma. Weinstein GS, et al. **Dig Dis Sci** 1985 Jun;30(6):588–92

CA 19-9 in the differential diagnosis between pancreatic cancer and chronic pancreatitis. Farini R, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):429–32

CT and US findings in pancreatic ductal tumours. A report of an unusual case and review of the literature. Erésué J, et al. **Eur J Radiol** 1985 Feb;5(1):40–2

Cystadenoma of the pancreas--an unusual presentation. Quayle AR, et al. **Eur J Surg Oncol** 1985 Mar;11(1):51–4

Diagnosis and localization of an insulinoma with inappropriate hypoglycemia in relation to the level of immunoreactive insulin using gel chromatographic separation. Kakita K, et al. **Exp Clin Endocrinol** 1985 Apr; 85(2):167–75

Pancreatic choriocarcinoma presenting as inflammatory pseudocyst. Childs CC, et al. **Gastroenterology** 1985 Aug; 89(2):426–31

Localization of small islet-cell tumors. Preoperative and intraoperative ultrasound, computed tomography, arteriography, digital subtraction angiography, and pancreatic venous sampling. Günther RW, et al. **Gastrointest Radiol** 1985;10(2):145–52

Enzyme immunoassay of pancreatic oncofetal antigen (POA) as a marker of pancreatic cancer. Nishida K, et al. **Gut** 1985 May;26(5):450–5

Monoclonal antibody defines CA 19-9 in pancreatic juices and sera. Schmiegel WH, et al. **Gut** 1985 May;26(5):456–60

Values of serum carcinoembryonic antigen and elastase 1 in diagnosis of pancreatic carcinoma. Tatsuta M, et al. **Gut** 1984 Dec;25(12):1347–51

Necrolytic migratory erythema (glucagonoma syndrome). Myatt AE, et al. **J R Soc Med** 1984;77 Suppl 4:31–2

Intraoperative sonographic identification of nonpalpable pancreatic masses. Rifkin MD, et al. **J Ultrasound Med** 1984 Sep;3(9):409–11

Unusual case studies of anterior abdominal wall mass as diagnosed by ultrasonography. Diakoumakis EE, et al. **JCU** 1984 Jul–Aug;12(6):351–4

Sonographic features of solid and papillary neoplasm of the pancreas. Lin JT, et al. **JCU** 1985 Jun;13(5):339–42

Diagnosis of small pancreatic carcinoma. Ozaki H, et al. **Jpn J Clin Oncol** 1985 Mar;15(1):115–20

Diagnosis of small carcinoma of the pancreas: importance of ultrasound scanning and endoscopic retrograde cholangiopancreatography (ERCP). Yoshimori M, et al. **Jpn J Clin Oncol** 1984 Sep;14(3):359–67

Benign insulinoma--a diagnostic challenge: a case report. Fock KM, et al. **Med J Malaysia** 1984 Jun;39(2):170–2

Localization of an insulinoma by ultrasonic endoscopy [letter] Heyder N. **N Engl J Med** 1985 Mar 28;312(13):860–1

The glucagonoma syndrome [letter] Downey DJ, et al. **NZ Med J** 1984 Dec 12;97(769):869–71

Clinical features, diagnosis and management of insulinoma in 16 consecutive patients: cost-ineffectiveness of non-invasive imaging modalities. Osei K, et al. **Ohio State Med J** 1984 Dec;80(12):864–9

Combined evaluation of serum ribonuclease and ferritin: any advantages in pancreatic cancer diagnosis? Fabris C, et al. **Oncology** 1984;41(6):393–5

Pancreatic lipomatosis in the Shwachman-Diamond syndrome. Identification by sonography and CT-scan. Robberecht E, et al. **Pediatr Radiol** 1985;15(5):348–9

Glucagonoma without cutaneous manifestations. Parr JH, et al. **Postgrad Med J** 1985 Aug;61(718):737–8

Integrated approach to the diagnosis of pancreatic carcinoma. Ariyama J, et al. **Radiat Med** 1983 Jan–Mar;1(1):46–51

Papillary carcinoma of the pancreas: findings of US and CT. Kim SY, et al. **Radiology** 1985 Feb;154(2):338

Pleomorphic carcinoma of the pancreas: computed-tomographic, sonographic, and pathologic findings. Wolfman NT, et al. **Radiology** 1985 Feb; 154(2):329–32

Differential diagnosis of pancreatic cancer and chronic pancreatitis by a monoclonal antibody detecting a new cancer-associated antigen (CA 19-9). Malesci A, et al. **Ric Clin Lab** 1984 Jul–Sep;14(3):303–6

Real-time ultrasonography in the diagnosis of pancreatic tumors. Chang FY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Feb;84(2):204–11

Ultrasonic measurement of the main pancreatic duct in healthy adults and patients with ampullary-pancreatic disorders. Lin JT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Feb;84(2):212–21

Pancreatic oncofetal antigen in the detection of experimental cancer of the pancreas. Johnson FE, et al. **Tumour Biol** 1985;6(1):37–40

Preoperative and operative diagnosis of pancreatic cancer. Ihse I, et al. **World J Surg** 1984 Dec;8(6):846–53

The pancreatic cancer problem. Livstone EM, et al. **World J Surg** 1984 Dec;8(6):803–7

Serologic markers in the diagnosis and management of pancreatic carcinoma. Podolsky DK. **World J Surg** 1984 Dec;8(6):822–30

Suspected pancreatic cancer presenting as pain or weight loss: analysis of diagnostic strategies. Silverstein MD, et al. **World J Surg** 1984 Dec;8(6):839–45

Percutaneous transhepatic portal vein catheterization for localization of insulinoma. Tseng HC, et al. **World J Surg** 1984 Aug;8(4):575–82

[Computed tomography and echography in chronic pancreatitis and pancreatic carcinoma] Brailski Kh, et al. **Vutr Boles** 1984;23(6):17–21 (Eng. Abstr.) **(Bul)**

[Ultrasonically guided percutaneous fine needle biopsy in the diagnosis of tumors of the liver, pancreas and biliary system] Dong BW. **Chung Hua I Hsueh Tsa Chih** 1984 Jun;64(6):348–50 (Eng. Abstr.) **(Chi)**

[Percutaneous transhepatic portal vein catheterization for the localization of insulinoma] Zeng XJ. **Chung Hua I Hsueh Tsa Chih** 1984 Nov;64(11):671–5 (Eng. Abstr.) **(Chi)**

[Ultrasonography in the diagnosis of carcinoma of the pancreas] Shi JM. **Chung Hua Wai Ko Tsa Chih** 1984 Apr; 22(4):219–20 (Eng. Abstr.) **(Chi)**

[Fine needle aspiration biopsy in the diagnosis of pancreatic and periampullary malignancy] Teng RZ. **Chung Hua Wai Ko Tsa Chih** 1984 Jan;22(1):19–20, 62 (Eng. Abstr.) **(Chi)**

[Secretin test and its applications] Lu XH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):372–4 (Eng. Abstr.) **(Chi)**

[Comparison of the diagnostic efficiency of pharmacoangiography and noninvasive study methods in the diagnosis of tumors of the pancreas] Drugová B, et al. **Cas Lek Cesk** 1984 Aug 10;123(32):997–9 (Eng. Abstr.) **(Cze)**

[Mucinous cystadenoma of the pancreas: an entity not to be underrated. Review of the literature apropos of a case] Assens P, et al. **Ann Chir** 1985 Jun;39(5):317–21 (Eng. Abstr.) **(Fre)**

[Vipomas] Dupont C. **Ann Med Interne (Paris)** 1984; 135(5):400–2 (Eng. Abstr.) **(Fre)**

[Neuroblastoma of the head of the pancreas. Apropos of a case in a 2-year-old child] Margueritte G, et al. **Ann Pediatr (Paris)** 1984 Oct 15;31(9):779–81 (Eng. Abstr.) **(Fre)**

[Lactoferrin and cancer of the pancreas (letter)] Pignal F, et al. **Gastroenterol Clin Biol** 1984 Dec;8(12):982 **(Fre)**

[Echography and guided percutaneous biopsy in the diagnosis of cystic tumors of the pancreas. Apropos of 14 case reports] Fond A, et al. **J Belge Radiol** 1984;67(5):277–84 (Eng. Abstr.) **(Fre)**

[Cystadenoma and cystadenocarcinoma of the pancreas. Apropos of 7 new cases] Clot JP, et al. **J Chir (Paris)** 1985 Mar;122(3):145–50 (Eng. Abstr.) **(Fre)**

[Multilocular cystadenoma of the pancreas. An uncommon tumor in the child] Panuel M, et al. **J Radiol** 1984 Apr; 65(4):275–8 (Eng. Abstr.) **(Fre)**

[Intraoperative echographic detection of insulinoma (letter)] Mouroux D, et al. **Presse Med** 1984 Sep 22;13(32):1963 **(Fre)**

[Pancreatic and bronchial anaplastic cancer (letter)] Seibert R, et al. **Presse Med** 1985 Jun 8;14(23):1291 **(Fre)**

[Insulinoma: what symptomatology?] Uebersax R, et al. **Rev Med Suisse Romande** 1984 Sep;104(9):733–8 **(Fre)**

[Localization of insulinomas: the value of determining insulin using transhepatic catheterization of the pancreatic venous network] Roy DC, et al. **Union Med Can** 1985 May; 114(5):415–8, 420 (Eng. Abstr.) **(Fre)**

[Diagnosis of recurrence and evaluation of the course of pancreatic cancer. Combined use of sonography and the new tumor marker CA 19-9] Guthoff A, et al. **Dtsch Med Wochenschr** 1984 Sep 14;109(37):1410–2 **(Ger)**

[CA 12-5 in cancer of the digestive tract. A comparison with CA 19-9 and CEA in cancer of the pancreas and colon] Klapdor R, et al. **Dtsch Med Wochenschr** 1984 Dec 21; 109(51–52):1949–54 (Eng. Abstr.) **(Ger)**

[The tumor-associated antigen CA 19-9 in the differential diagnosis and course control of malignancies of the pancreas and the gastrointestinal tract] Klapdor R, et al. **Dtsch Med Wochenschr** 1984 Dec 14;109(50):1935–9 **(Ger)**

[Diagnostic importance of the tumor marker CA 19-9 in pancreatic cancer] Safi F, et al. **Dtsch Med Wochenschr** 1984 Dec 7;109(49):1869–73 (Eng. Abstr.) **(Ger)**

[Internal medicine case report. Hypoglycemia] Baumgart P, et al. **Schweiz Rundsch Med Prax** 1984 Dec 4;73(49):1521–4 (Eng. Abstr.) **(Ger)**

[Glucagonoma. Case report] Steurer J, et al. **Schweiz Rundsch Med Prax** 1984 Dec 4;73(49):1513–6 (Eng. Abstr.) **(Ger)**

[Is a timely diagnosis possible in pancreatic cancer?] Freise J. **Ultraschall Med** 1985 Jun;6(3):120–6 (Eng. Abstr.) **(Ger)**

[Value of sonographic imaging of the pancreatic duct for the diagnosis of chronic pancreatitis and pancreatic cancer compared to ERCP] Gebel M, et al. **Ultraschall Med** 1985 Jun;6(3):127–30 **(Ger)**

[Duodenal diverticulum--possibility for erroneous diagnosis in the sonographic diagnosis of pancreas head tumor (case report)] Wagner W, et al. **Ultraschall Med** 1985 Feb; 6(1):46–8 (Eng. Abstr.) **(Ger)**

[Lipoma of the left ventricle and insulinoma of the pancreas] Goebel N, et al. **Z Kardiol** 1984 Dec;73(12):792–5 (Eng. Abstr.) **(Ger)**

[First experience with ultrasound-guided percutaneous fine-needle biopsy of the pancreas] Bohár L, et al. **Orv Hetil** 1985 Apr 14;126(15):889–92, 895 (Eng. Abstr.) **(Hun)**

[Comparison of new three tumor markers for pancreatic carcinoma: CA19/9, CA 125 and DuPan 2] Ohkura H, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):583-8 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of CA 19-9, TPA, IAP and 5'-NPD-V as tumor markers of hepatocellular, bile duct and pancreas carcinoma] Takahashi H, et al. **Gan No Rinsho** 1985 May; 31(6 Suppl):623-30 (Eng. Abstr.) **(Jpn)**

[Diagnostic usefulness of serum levels of pancreatic oncofetal antigen (POA) and CA 19-9 in pancreatic cancers: monitoring of postoperative recurrences] Takami H, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):631-7 (Eng. Abstr.) **(Jpn)**

[A promising tumor marker CA 19-9 for pancreatic carcinoma: comparison with CEA and elastase 1] Sakahara H, et al. **Kaku Igaku** 1985 Jan;22(1):115-8 **(Jpn)**

[Islet cell tumor:insulinoma] Kuroda A, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1035-8 (Eng. Abstr.) **(Jpn)**

[Glucagonoma] Tajima Y. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1039-43 (Eng. Abstr.) **(Jpn)**

[Early diagnosis of pancreatic cancer] Abe M. **Nippon Naika Gakkai Zasshi** 1984 Jun;73(6):740-4 **(Jpn)**

[A case of WDHA syndrome and the studies on 14 domestic cases] Chikama T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jan;82(1):128-33 **(Jpn)**

[A study of carcinoembryonic antigen levels in the bile of patients with carcinoma of pancreas and biliary system] Furukawa M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Oct;81(10):2561-7 (Eng. Abstr.) **(Jpn)**

[Pancreatic cancer] Mizuno T. **Rinsho Hoshasen** 1985 Feb; 30(2):289-90 **(Jpn)**

[A case of islet cell tumor] Onodera H, et al. **Rinsho Hoshasen** 1985 May;30(5):621-4 (Eng. Abstr.) **(Jpn)**

[Clinical and radiographic symptoms of pancreatic neoplasms and pancreatitis] Jabłońska-Kaszewska I, et al. **Pol Tyg Lek** 1984 Sep 10;39(37):1217-23 (Eng. Abstr.) **(Pol)**

[Pancreatic insulinoma in a patient with Hodgkin's disease] Ostapiuk M, et al. **Pol Tyg Lek** 1985 Jan 21;40(3):73-4 (Eng. Abstr.) **(Pol)**

[Transcutaneous thin-needle aspiration biopsy under visual echographic control in the diagnosis of pancreatic cancer] Medvedev VE, et al. **Klin Khir** 1984 Nov;(11):18-20 (Eng. Abstr.) **(Rus)**

[Complex endoscopic diagnosis of cancer of the hepato-pancreato-duodenal region] Balalykin AS, et al. **Klin Med (Mosk)** 1984 Aug;62(8):63-7 (Eng. Abstr.) **(Rus)**

[Diagnosis of cancer of the pancreas] Vasilenko VKh, et al. **Klin Med (Mosk)** 1984 Oct;62(10):131-7 **(Rus)**

[Clinical course and diagnosis of pancreatic cancer] Dedkov IP, et al. **Vrach Delo** 1984 Nov;(11):75-7 (Eng. Abstr.) **(Rus)**

[Inflammatory and neoplastic diseases of the pancreas. Review of their differential diagnosis] Glišić Lj, et al. **Srp Arh Celok Lek** 1983 Sep-Oct;111(9-10):1293-310 (Eng. Abstr.) **(Scc)**

[Value of echotomography in cancer of the pancreas] Pietri H, et al. **Acta Gastroenterol Latinoam** 1984;14(3):213-24 (Eng. Abstr.) **(Spa)**

[Localization by echography or tomodensitometry of endocrine tumors of the pancreas (letter)] Varas MJ. **Med Clin (Barc)** 1985 Feb 16;84(6):253 **(Spa)**

[Cystic lymphangioma of the pancreas] Gómez Dorronsoro ML, et al. **Rev Esp Enferm Apar Dig** 1984 Sep;66(3):245-9 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

A somatostatin analogue inhibits chondrosarcoma and insulinoma tumour growth. Reubi JC. **Acta Endocrinol (Copenh)** 1985 May;109(1):108-14

MIFA III (mitomycin-C, 5-fluorouracil, and adriamycin) chemotherapy for advanced adenocarcinoma of the pancreas. Sternberg CN, et al. **Am J Clin Oncol** 1984 Oct; 7(5):529-33

Malignant insulinoma: effects of a somatostatin analog (compound 201-995) on serum glucose, growth, and gastro-entero-pancreatic hormones. Osei K, et al. **Ann Intern Med** 1985 Aug;103(2):223-5

Pancreatic cholera syndrome: effect of a synthetic somatostatin analog on intestinal water and ion transport. Santangelo WC, et al. **Ann Intern Med** 1985 Sep; 103(3):363-7

Response of nude mouse-grown adenocarcinomas of the human exocrine pancreas to cis-diamminedichloroplatinum(II), diammine[1,1-cyclobutanedicarboxylato(2-)-O,O'-platinu and mitoguazone dihydrochloride. Kyriazis AP, et al. **Cancer Res** 1985 Sep;45(9):4354-9

Phase II trials of maytansine, low-dose chlorozotocin, and high-dose chlorozotocin as single agents against advanced measurable adenocarcinoma of the pancreas. Gastrointestinal Tumor Study Group. **Cancer Treat Rep** 1985 Apr;69(4):417-20

Phase II trials of hexamethylmelamine, dianhydrogalactitol, razoxane, and beta-2'-deoxythioguanosine as single agents against advanced measurable tumors of the pancreas. Gastrointestinal Tumor Study Group. **Cancer Treat Rep** 1985 Jun;69(6):713-6

Phase II trial of amsacrine in pancreatic carcinoma: a Southwest Oncology Group study. Inamasu M, et al. **Cancer Treat Rep** 1984 Nov;68(11):1411-2

Phase II evaluation of melphalan in adenocarcinoma of the pancreas. Smith DB, et al. **Cancer Treat Rep** 1985 Jul-Aug; 69(7-8):917-8

Use of artificial endocrine pancreas in postoperative management of patients with beta-cell hyperfunction [letter] Wieland RG, et al. **Diabetes Care** 1985 May-Jun; 8(3):307

Phase II study of epirubicin in advanced adenocarcinoma of the pancreas. Wils J, et al. **Eur J Cancer Clin Oncol** 1985 Feb;21(2):191-4

Long-term treatment of a VIPoma with somatostatin analogue resulting in remission of symptoms and possible shrinkage of metastases. Kraenzlin ME, et al. **Gastroenterology** 1985 Jan;88(1 Pt 1):185-7

Sensitivity of human pancreatic carcinoma cell line (MIA PaCa-2) to Bisantrene and Theprubicin in vitro. Fountzilas G, et al. **In Vitro** 1984 Sep;20(9):685-91

Treatment of locally unresectable cancer of the stomach and pancreas: a randomized comparison of 5-fluorouracil alone with radiation plus concurrent and maintenance 5-fluorouracil--an Eastern Cooperative Oncology Group study. Klaassen DJ, et al. **J Clin Oncol** 1985 Mar;3(3):373-8

Ifosfamide: an active drug in the treatment of adenocarcinoma of the pancreas. Loehrer PJ Sr, et al. **J Clin Oncol** 1985 Mar;3(3):367-72

Current status of chemotherapy for advanced pancreatic and gastric cancer. O'Connell MJ. **J Clin Oncol** 1985 Jul; 3(7):1032-9 (50 ref.)

A comparison of three chemotherapeutic regimens in the treatment of advanced pancreatic and gastric carcinoma. Fluorouracil vs fluorouracil and doxorubicin vs fluorouracil, doxorubicin, and mitomycin. Cullinan SA, et al. **JAMA** 1985 Apr 12;253(14):2061-7

Streptozotocin effective for treating multiple-hormone-producing malignant islet cell tumor. Murata E, et al. **Jpn J Surg** 1985 Jan;15(1):63-7

Regression of metastatic vipoma with somatostatin analogue SMS 201-995 [letter] Clements D, et al. **Lancet** 1985 Apr 13;1(8433):874-5

Chemotherapy of metastatic islet cell carcinoma. Report of 4 cases and review of the literature. Vasen HF, et al. **Neth J Med** 1985;28(4):172-5

Treatment with secretin and a cholecystokinin-like peptide in patients with pancreatic cancer. A pilot study. Steffensrud S, et al. **Scand J Gastroenterol** 1984 Oct; 19(7):909-15

Chemotherapy of pancreatic carcinoma. Harvey JH, et al. **World J Surg** 1984 Dec;8(6):935-9

[Adjuvant chemotherapy in cancers of the stomach, pancreas and intestine] Martin F. **Bull Cancer (Paris)** 1984; 71(4):374-6 (Eng. Abstr.) **(Fre)**

[Intra-arterial infusion chemotherapy for non-resectable pancreatic cancer using angiotensin-II and prostaglandin-E1] Ishikawa O, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):235-44 (Eng. Abstr.) **(Jpn)**

[Clinical study on concentration of FT-207 and 5-FU in serum, lymph nodes and tissues after rectal administration of FT-207 suppositories for malignant diseases of the liver, biliary tract and pancreas] Takada T, et al. **Gan To Kagaku Ryoho** 1985 May;12(5):1088-93 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of pancreatic cancer] Yoshimori M, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):227-34 (Eng. Abstr.) **(Jpn)**

[Studies on the medical treatment of non-operable insulinoma. Clinical usefulness of diphenylhydantoin-calcium antagonist] Imanaka S, et al. **Nippon Naika Gakkai Zasshi** 1985 May;74(5):590-6 **(Jpn)**

ENZYMOLOGY

Demonstration of kallikrein in a rat pancreatic acinar cell carcinoma. Berg T, et al. **Cancer Res** 1985 Jan;45(1):226-34

Immunoreactive phospholipase A2 in serum in acute pancreatitis and pancreatic cancer. Nevalainen TJ, et al. **Clin Chem** 1985 Jul;31(7):1116-20

Characterization of gamma-glutamyltranspeptidase from human exocrine pancreatic carcinomas. Yamaguchi N, et al. **Clin Chim Acta** 1985 Jun 30;149(1):47-54

Enzyme histochemical studies on transplantable pancreatic adenocarcinomas in Syrian golden hamsters. Obara T, et al. **Exp Pathol** 1984;26(4):205-11

Serum levels of alpha-1-antitrypsin in pancreatic islet cell tumors. Prinz RA, et al. **J Med** 1984;15(3):177-83

Serum elastase 1 in chronic pancreatic disease. Del Favero G, et al. **Klin Wochenschr** 1985 Jul 1;63(13):603-6

ETIOLOGY

Diet and other risk factors for cancer of the pancreas. Gold EB, et al. **Cancer** 1985 Jan 15;55(2):460-7

Two cases of pancreatic carcinoma [letter] Hoffman RS, et al. **Cancer Invest** 1985;3(3):295-6

Effects of soybean flour on the pancreas of rats. McGuinness EE, et al. **Environ Health Perspect** 1984 Jun;56:205-12 (65 ref.)

Carcinoma of the pancreas. Wormsley KG. **Proc Nutr Soc** 1985 Feb;44(1):113-4

Effects of immunosuppressive acidic protein on DMBA-induced pancreatic cancer in rats. Matsuno S, et al. **Tohoku J Exp Med** 1984 Oct;144(2):189-202

[Pancreatic lithiasis and cancer of the pancreas] Rodríguez Alvarez JL, et al. **Rev Esp Enferm Apar Dig** 1985 Jun; 67(6):567-73 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Activation of the c-K-ras oncogene in a human pancreas carcinoma. Hirai H, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):168-74

Pancreatic carcinoma and hereditary nonpolyposis colorectal cancer: a family study. Lynch HT, et al. **Br J Cancer** 1985 Aug;52(2):271-3

In vitro evidence of heterogeneity within pancreatic cancer. Danes BS. **Cancer Genet Cytogenet** 1985 Jan 15; 14(3-4):285-91

Latent familial multiple endocrine neoplasia in Tasmania. Shepherd JJ. **Med J Aust** 1985 Apr 1;142(7):395-7

Heritable formation of pancreatic beta-cell tumours in transgenic mice expressing recombinant insulin/simian virus 40 oncogenes. Hanahan D. **Nature** 1985 May 9-15; 315(6015):115-22

[Pancreatic cancer in father and daughter] Toyama K, et al. **Gan No Rinsho** 1984 Aug;30(10):1331-6 (Eng. Abstr.) **(Jpn)**

HISTORY

Cystic neoplasms of the pancreas. Evolution of a concept. Zamora JL. **Am J Surg** 1985 Jun;149(6):819-23

IMMUNOLOGY

Immunohistochemical observations of carcinoembryonic antigen (CEA) and CEA-related substances in normal and neoplastic pancreas. Pitfalls and caveats in CEA immunohistochemistry. Tsutsumi Y, et al. **Am J Clin Pathol** 1984 Nov;82(5):535-42

Mucinous cystic neoplasm of the pancreas with high carcinoembryonic antigen. Yu HC, et al. **Arch Pathol Lab Med** 1985 Apr;109(4):375-7

Expression of oncofoetal pancreatic antigens in hamster adult pancreas during experimental carcinogenesis. Escribano MJ, et al. **Br J Cancer** 1985 Feb;51(2):187-93

Identification and localization of human pancreatic tumor-associated antigens by monoclonal antibodies to RWP-1 and RWP-2 cells. Chin J, et al. **Cancer Res** 1985 Apr;45(4):1723-9

Isolation and properties of a human pancreatic adenocarcinoma-associated antigen, DU-PAN-2. Lan MS, et al. **Cancer Res** 1985 Jan;45(1):305-10

Monoclonal antibody-defined human pancreatic cancer-associated antigens. Schmiegel WH, et al. **Cancer Res** 1985 Mar;45(3):1402-7

Leucocyte adherence inhibition assay for cell-mediated immunity and immunodiagnosis of pancreatic cancer. Onji M. **Gastroenterol Jpn** 1984 Aug;19(4):328-35

Effect of bombesin administration on serum immunoreactive trypsin in patients with pancreatic carcinoma. Vezzadini P, et al. **Panminerva Med** 1984 Oct-Dec;26(4):279-81

Characterization of Lewis antigens in normal colon and gastrointestinal adenocarcinomas. Blaszczyk M, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3552-6

[Importance of the tumor-associated antigen CA 19-9 in the differential diagnosis of pancreatic diseases] Heptner G, et al. **Dtsch Med Wochenschr** 1985 Apr 19;110(16):624-8 (Eng. Abstr.) **(Ger)**

[The pancreas as target organ for hepatitis B virus--immunohistological detection of HBsAg in pancreatic carcinoma and chronic pancreatitis] Hohenberger P. **Leber Magen Darm** 1985 Mar;15(2):58-63 (Eng. Abstr.) **(Ger)**

[Tumor markers of pancreatic cancer] Takami H, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):212-9 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of enzyme immunoassay for a pancreatic oncofetal antigen (POA)] Hishinuma S, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Dec 20;19(10):2217-24 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of a pancreatic oncofetal antigen (POA) in carcinoma of the pancreas] Hishinuma S, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Aug 20;19(7):1432-7 (Eng. Abstr.) **(Jpn)**

[Prognosis of the pancreatic carcinoma in terms of the regional lymph node reaction] Matuno S, et al. **Nippon Geka Gakkai Zasshi** 1985 Feb;86(2):202-8 (Eng. Abstr.) **(Jpn)**

[Histochemical visualization of carbohydrate antigen 19-9 (CA19-9) in pancreas from patients with pancreatic cancer by using a monoclonal antibody] Miyaoka H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Jan;82(1):138 **(Jpn)**

METABOLISM

Mobilization of 45Ca from insulin-producing RINm5F cells attached to microcarriers. Abrahamsson H, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E719-25

Biochemical composition of edge and center of malignant hamster insulinoma. Feldman JM. **Arch Pathol Lab Med** 1984 Nov;108(11):909-11

Structure of insulin/insulin-like growth factor-1 receptors

NEWARK PUBLIC LIBRARY

on the insulinoma cell, RIN-m5F. Colman PG, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):657-62

Molecular cloning and characterization of a cDNA clone for a protein specifically expressed in embryo as well as in a chemically induced pancreatic B cell tumor of rat. Soma G, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):164-71

Inositol 1,4,5-trisphosphate mobilizes intracellular Ca2+ from permeabilized insulin-secreting cells. Biden TJ, et al. **Biochem J** 1984 Oct 15;223(2):467-73

Phorbol ester stimulation of insulin release and secretory-granule protein phosphorylation in a transplantable rat insulinoma. Hutton JC, et al. **Biochem J** 1984 Dec 1;224(2):483-90

Characterization of immunoreactive forms of pancreatic polypeptide in islet cell tumors using antisera with different regional specificities. O'Hare MM, et al. **Cancer** 1985 May 1;55(9):1895-8

Comparison of the cellular pharmacology of doxorubicin in resistant and sensitive models of pancreatic cancer. Chang BK, et al. **Cancer Chemother Pharmacol** 1985;14(2):132-4

Incorporation of [35S]sulfate in normal and neoplastic rat pancreatic acinar cells in relationship to cytodifferentiation. Kanwar YS, et al. **Cancer Res** 1984 Nov;44(11):5347-54

Cytosolic insulin-degrading activity in islet-derived tumor cell lines and in normal rat islets. Bhathena SJ, et al. **Diabetes** 1985 Feb;34(2):121-8

Characteristics of the interaction of the glucagon receptor, cAMP, and insulin secretion in parent cells and clone 5F of a cultured rat insulinoma. Korman LY, et al. **Diabetes** 1985 Aug;34(8):717-22

Influence of a transplantable insulinoma on the pancreatic status of insulin and pancreatic polypeptide in the rat. O'Hare MM, et al. **Diabetologia** 1985 Mar;28(3):157-60

Human pancreatic secretory protein profiles in pancreas cancer and chronic pancreatitis. White TT, et al. **Dig Dis Sci** 1985 Mar;30(3):200-3

Growth hormone binding to specific receptors stimulates growth and function of cloned insulin-producing rat insulinoma RIN-5AH cells. Billestrup N, et al. **Endocrinology** 1985 Mar;116(3):1175-81

Pharmacological modifications of insulin release in vitro from fuel-responsive transplantable insulinomas. Hoenig M, et al. **Endocrinology** 1984 Oct;115(4):1496-9

Pentose cycle pathway in normal and tumoral islet cells. Giroix MH, et al. **FEBS Lett** 1985 Jun 3;185(1):1-3

Stimulation by somatostatin of dephosphorylation of membrane proteins in pancreatic cancer MIA PaCa-2 cell line. Hierowski MT, et al. **FEBS Lett** 1985 Jan 7;179(2):252-6

Muscarinic cholinergic receptors in pancreatic acinar carcinoma of rat. Taton G, et al. **Int J Cancer** 1985 Apr 15;35(4):493-7

Glycolipid composition of ascitic fluids from patients with cancer. Taki T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1257-65

The effect of inositol trisphosphate on Ca2+ fluxes in insulin-secreting tumor cells. Joseph SK, et al. **J Biol Chem** 1984 Nov 10;259(21):12952-5

Inositol 1,4,5-trisphosphate and the endoplasmic reticulum Ca2+ cycle of a rat insulinoma cell line. Prentki M, et al. **J Biol Chem** 1985 Aug 5;260(16):9185-90

Glucocorticoids increase amylase mRNA levels, secretory organelles, and secretion in pancreatic acinar AR42J cells. Logsdon CD, et al. **J Cell Biol** 1985 Apr;100(4):1200-8

Molecular forms of glucagon-like peptide-1 in human pancreas and glucagonomas. Uttenthal LO, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):472-9

Binding and processing of epidermal growth factor in Panc-1 human pancreatic carcinoma cells. Korc M, et al. **Life Sci** 1985 May 13;36(19):1849-55

Recycling of epidermal growth factor in a human pancreatic carcinoma cell line. Korc M, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6172-5

Acinar cell carcinoma of rat pancreas: mechanism of deregulation of cholesterol metabolism. Rao KN, et al. **Toxicol Pathol** 1984;12(1):62-8

MICROBIOLOGY

Peripheral neuropathies, hepatocellular carcinomas and islet cell adenomas in transgenic mice. Messing A, et al. **Nature** 1985 Aug 1-7;316(6027):461-3

MORTALITY

Latitude and pancreatic cancer. Kato I, et al. **Jpn J Clin Oncol** 1985 Jun;15(2):403-13

Epidemiology of pancreatic cancer. Gordis L, et al. **World J Surg** 1984 Dec;8(6):808-21

[Life expectancy in pancreatic carcinoma and periampullary carcinoma] Muhrer KH. **Lebensversicherungsmedizin** 1985 Jul 1;37(4):100-3 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Pancreas cancer is unrelated to the workplace in Los Angeles. Mack TM, et al. **Am J Ind Med** 1985;7(3):253-66

Malignant neoplasms of the pancreas. A study based on autopsy data from 1953 to 1982 in Bialystok, Poland. I. Frequency, age and sex distribution. Cylwik B, et al. **Neoplasma** 1984;31(5):597-603

Malignant neoplasms of the pancreas. A study based on autopsy data from 1953 to 1982 in Bialystok, Poland. II. A survey of 195 cases. Cylwik B, et al. **Neoplasma** 1984;31(5):605-13

Some aspects on validity of breast cancer, pancreatic cancer and lung cancer registration in Swedish official statistics. Mattsson B, et al. **Radiother Oncol** 1985 Aug;4(1):63-70

[Pancreatic cancer in Denmark 1943-1980. Neoplasms statistics 10] Kjaer SK, et al. **Ugeskr Laeger** 1984 Jul 23;146(30):2259-63 **(Dan)**

[Primary malignant neoplasia of the exocrine pancreas: epidemiological findings, risk factors, early diagnosis. Personal case reports, 1970-1981] Tenchini P, et al. **Chir Ital** 1983 Apr;35(2):147-56 (Eng. Abstr.) **(Ita)**

[Epidemiological studies on pancreatic cancer] Ohyanagi H, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):189-99 (Eng. Abstr.) **(Jpn)**

[Pancreatic cancer in Serbia] Adanja B, et al. **Srp Arh Celok Lek** 1984 Mar;112(3):325-32 (Eng. Abstr.) **(Scc)**

PATHOLOGY

Aspiration cytology of a rare solid and papillary epithelial neoplasm of the pancreas. Light and electron microscopic study of a case. Bondeson L, et al. **Acta Cytol (Baltimore)** 1984 Sep-Oct;28(5):605-9

Malignant islet-cell tumor of the pancreas diagnosed by fine needle aspiration biopsy. A case report. Hsiu JG, et al. **Acta Cytol (Baltimore)** 1985 Jul-Aug;29(4):576-9

Cytodiagnosis of adenosquamous carcinoma of the pancreas. Use of intraoperative fine needle aspiration. Wilczynski SP, et al. **Acta Cytol (Baltimore)** 1984 Nov-Dec;28(6):733-6

Primary pancreatic carcinoma in childhood. Pancreatoblastoma. Kawamoto K, et al. **Acta Pathol Jpn** 1985 Jan;35(1):137-43

Medical pathology conference. A 54-year-old man with progressive glucose intolerance. Garcia JH, et al. **Ala J Med Sci** 1985 Jul;22(3):281-7

Carcinoma of the pancreas with endocrine component in childhood. A case report. Ichijima K, et al. **Am J Clin Pathol** 1985 Jan;83(1):95-100

Cytologic criteria for the diagnosis of pancreatic carcinoma. Mitchell ML, et al. **Am J Clin Pathol** 1985 Feb;83(2):171-6

Microcystic adenoma of the pancreas with myoepithelial cells. A hitherto undescribed morphologic feature. Nyongo A, et al. **Am J Clin Pathol** 1985 Jul;84(1):114-20

Histocytologic diagnosis of pancreatic cancer by percutaneous aspiration biopsy under ultrasonic guidance. Yamamoto R, et al. **Am J Clin Pathol** 1985 Apr;83(4):409-14

Nonfunctional paraganglioma of the pancreas. Zamir O, et al. **Am J Gastroenterol** 1984 Oct;79(10):761-3

Pregnancy complicated by solid-papillary epithelial tumor of the pancreas, pulmonary embolism, and pulmonary embolectomy. Duff P, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):80-1

Histologic, immunofluorescence, and ultrastructural study of malignant islet-cell tumors of the pancreas induced in hamsters by BK human papovavirus. Bordi C, et al. **Am J Pathol** 1985 Feb;118(2):256-65

Can survival in pancreatic adenocarcinoma be predicted by primary size or stage? Petrek JA, et al. **Am Surg** 1985 Jan;51(1):42-6

Papillary cystic tumor of the pancreas [letter] Warren RB. **Arch Pathol Lab Med** 1985 Aug;109(8):706-7

Reliability and sensitivity of frozen-section pancreatic biopsy. Campanale RP 2d, et al. **Arch Surg** 1985 Mar;120(3):283-8

Cancer of the exocrine pancreas: the pathologic aspects. Cubilla AL, et al. **CA** 1985 Jan-Feb;35(1):2-18

Pancreatic cancer. Assessment of prognosis by clinical presentation. Kalser MH, et al. **Cancer** 1985 Jul 15;56(2):397-402

Insulinoma. An immunocytochemical and morphologic analysis of 95 cases. Liu TH, et al. **Cancer** 1985 Sep 15;56(6):1420-9

Induction of unusual pancreatic neoplasms, with morphologic similarity to human tumors, and evidence for their ductal/ductular cell origin. Pour PM. **Cancer** 1985 May 15;55(10):2411-6

Pancreatic carcinoma with duct, endocrine, and acinar differentiation. A histologic, immunocytochemical, and ultrastructural study. Schron DS, et al. **Cancer** 1984 Nov 1;54(9):1766-70

Morphologic study of three cases of insulinoma. Histochemical and ultrastructural studies. Yamashita Y, et al. **Cancer** 1985 Feb 15;55(4):841-7

Effects of altered Ca2+ and Mg2+ concentrations on proliferation and functional differentiation of the clonal insulin-producing cells RINm5F. Hoftiezer V, et al. **Cancer Lett** 1985 May;27(1):7-14

gamma-Glutamyltranspeptidase activity in a human pancreatic cancer cell line (HPC-Y1) in serum-free chemically defined medium. Yamaguchi N, et al. **Cancer Lett** 1984 Dec;25(2):129-37

Inhibition of growth of human or hamster pancreatic cancer cell lines by alpha-difluoromethylornithine alone and combined with cis-diamminedichloroplatinum(II). Chang BK, et al. **Cancer Res** 1984 Nov;44(11):5100-4

Ductal metaplasia of human exocrine pancreas and its association with carcinoma. Parsa I, et al. **Cancer Res** 1985 Mar;45(3):1285-90

Differentiation of pancreatic acinar carcinoma cells cultured on rat testicular seminiferous tubular basement membranes. Watanabe TK, et al. **Cancer Res** 1984 Nov;44(11):5361-8

Hypertrophic foci of pancreatic acinar cells in rats. Chiu T. **CRC Crit Rev Toxicol** 1985;14(2):133-57 (130 ref.)

Microcystic adenoma of the pancreas: a newly recognized benign lesion. Zamora JL, et al. **Curr Surg** 1984 Nov-Dec;41(6):448-52

Glucocorticoids stimulate the division of rat pancreatic islet tumour cells in tissue culture. Brons G, et al. **Diabetologia** 1984 Nov;27(5):540-4

Malignant seeding after fine-needle aspiration biopsy of the pancreas. Caturelli E, et al. **Diagn Imag Clin Med** 1985;54(2):88-91

Inclusion-cytology versus smear-cytology in fine needle abdominal biopsy. Livraghi T, et al. **Eur J Radiol** 1985 May;5(2):111-4

CT guided percutaneous fine-needle biopsy of the pancreas. Lüning M, et al. **Eur J Radiol** 1985 May;5(2):104-8

A protein cross-reacting immunohistochemically with rat glutathione S-transferase placental form as a marker for preneoplasia in Syrian hamster pancreatic and hepatocarcinogenesis. Moore MA, et al. **Gann** 1985 Jan;76(1):1-4

Papillary and cystic neoplasm of the pancreas--an acinar cell tumour? Learmonth GM, et al. **Histopathology** 1985 Jan;9(1):63-79

Argentaffin endocrine carcinoma (carcinoid) of the pancreas with concomitant breast metastasis: an immunohistochemical and electron microscopic study. Ordóñez NG, et al. **Hum Pathol** 1985 Jul;16(7):746-51

Biliary cytodiagnosis. Bile sampling for cytology. Cohan RH, et al. **Invest Radiol** 1985 Mar-Apr;20(2):177-9

Atypical Verner-Morrison syndrome. Molloy WD, et al. **Ir Med J** 1985 Apr;78(4):100-1

Percutaneous hepatic biopsy in suspected pancreatic carcinoma. Phillips VM, et al. **J Comput Tomogr** 1984 Oct;8(4):307-10

Glucagonoma syndrome: case report and literature review. Parker CM, et al. **J Dermatol Surg Oncol** 1984 Nov;10(11):884-9

Pancreatic carcinoma metastatic to the mandibular gingiva. Stecher JA, et al. **J Oral Maxillofac Surg** 1985 May;43(5):385-90

Morphological study of 391 cases of exocrine pancreatic tumours with special reference to the classification of exocrine pancreatic carcinoma. Chen J, et al. **J Pathol** 1985 May;146(1):17-29

Histogenesis of pancreatic carcinomas: a study based on 248 cases. Chen J, et al. **J Pathol** 1985 May;146(1):65-76

The continuing problem of carcinoma of the pancreas. Parker GA, et al. **J Surg Oncol** 1985 Jan;28(1):36-8

A comparative study of the pancreatogram and the histological findings in 2,2'-dihydroxy-di-N-propylnitrosamine-induced pancreatic carcinoma in golden hamster[illegible] Tajiri H, et al. **Jpn J Clin Oncol** 1984 Sep;14(3):307-1[illegible]

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 11-1985. A 54-year-old woman with anorexia, nausea, and vomiting and a large mass in the right upper abdominal quadrant. **N Engl J Med** 1985 Mar 14;312(11):706-11

Non-secreting extramedullary plasmacytoma with late involvement of the pancreas causing obstructive jaundice. Speelberg B, et al. **Neth J Med** 1985;28(7):291-94

Cystadenocarcinoma of the pancreas [letter] Balkenende U. **Neth J Surg** 1984 Oct;36(5):144

Pancreatic pathology in trisomy 13: specificity of the morphologic lesion. Hashida Y, et al. **Pediatr Pathol** 1983 Apr-Jun;1(2):169-78

Solid and papillary epithelial neoplasm of the pancreas. Friedman AC, et al. **Radiology** 1985 Feb;154(2):333-7

Pancreatic cancer: unreliability of frozen section in diagnosis. Harris PL, et al. **South Med J** 1985 Sep;78(9):1053-6

Secretory diarrhea with islet cell hyperplasia and increased immunohistochemical reactivity to serotonin. Nishiyama RH, et al. **Surgery** 1984 Dec;96(6):1038-44

Giant cell carcinoma of the pancreas--a report of 2 resected cases. Lin JT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Jan;84(1):127-34

Prognosis of the pancreatic cancer in terms of the regional lymph node reaction. Matsuno S, et al. **Tohoku J Exp Med** 1985 Mar;145(3):291-302

Streptozotocin-induced functioning islet cell tumor in the rat: high frequency of induction and biological properties of the tumor cells. Masiello P, et al. **Toxicol Pathol** 1984;12(3):274-80

Characterization of the tumorigenic and metastatic properties of a human pancreatic tumor cell line (AsPC-1) implanted orthotopically into nude mice. Tan MH, et al. **Tumour Biol** 1985;6(1):89-98

Ultrasonically guided puncture of solid pancreatic mass lesions. Hancke S, et al. **Ultrasound Med Biol** 1984 Sep-Oct;10(5):613-5

Multiple paraganglioneuromas. Kawaguchi K, et al. **Virchows Arch [A]** 1985;406(3):373-80

Nesidioblastosis and intermediate cells in the pancreas of patients with hyperinsulinemic hypoglycemia. Bani D, et al. **Virchows Arch [Cell Pathol]** 1985;48(1):19-32

MEN I pancreas: a histological and immunohistochemical study. Thompson NW, et al. **World J Surg** 1984 Aug;8(4):561-74

[Retroperitoneal and pancreatic mucinous tumors. Immunohistochemical study] Fetissof F, et al. **Ann Pathol** 1985;5(1):53-7 (Eng. Abstr.) **(Fre)**

[Sensitivity of fine-needle puncture-biopsy in the histologic diagnosis of hepatic and pancreatic malignant tumors] Cornud F, et al. **Gastroenterol Clin Biol** 1985 Jan;9(1):47-50 (Eng. Abstr.) **(Fre)**

[Papillary adenocarcinoma of Wirsung's duct] Place S, et al. **Gastroenterol Clin Biol** 1985 Apr;9(4):361-4 (Eng. Abstr.) **(Fre)**

[Plasmacytoma of the head of the pancreas. Diagnosis by puncture aspiration guided by echography (letter)] Helenon O, et al. **Presse Med** 1984 Dec 1;13(43):2645 **(Fre)**

[Cystic pancreas neoplasias] Helpap B, et al. **Chirurg** 1985 Jan;56(1):41-5 (Eng. Abstr.) **(Ger)**

[Pancreas cancer: staging with dynamic computerized tomography] Lammer J, et al. **Digitale Bilddiagn** 1984 Sep; 4(3):121-6 (Eng. Abstr.) **(Ger)**

[Accuracy of ultrasound-guided fine needle biopsy in pancreas cancer--effect of puncture frequency and character of puncture material] Greiner L, et al. **Leber Magen Darm** 1985 May;15(3):97-100 (Eng. Abstr.) **(Ger)**

[A malignant insular pancreatic neoplasm associated with hypercalcemia] Vindigni C, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2-3):159-68 **(Ita)**

[Solid and cystic tumor of the pancreas--report of a case in a 13-year-old girl] Kubo T, et al. **Gan No Rinsho** 1985 Jun;31(7):882-8 (Eng. Abstr.) **(Jpn)**

[Hematogenous metastasis in pancreatic cancer] Matsuno S, et al. **Gan No Rinsho** 1985 May;31(5):537-43 (Eng. Abstr.) **(Jpn)**

[Effects of anti-tumor drugs and gastrointestinal hormones on the growth of pancreatic duct cell adenocarcinoma in homologous transplanted animal models] Ohyama K. **Hokkaido Igaku Zasshi** 1985 Mar;60(2):206-16 (Eng. Abstr.) **(Jpn)**

[Clinicopathological studies on carcinoma of the pancreas with special reference to pathological factors affecting the prognosis and lymph node involvement] Ohyama R. **Nippon Geka Gakkai Zasshi** 1984 Aug;85(8):820-34 (Eng. Abstr.) **(Jpn)**

[Morphological and immunocytochemical studies of pancreatic multiple endocrine neoplasia type-1] Yonemura U, et al. **Nippon Geka Gakkai Zasshi** 1984 Aug;85(8):811-9 (Eng. Abstr.) **(Jpn)**

[A case of SIADH without ectopic production of ADH from neoplasm, associated with superior vena cava syndrome caused by metastatic mediastinal tumor of pancreatic cancer] Yamaguchi T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Feb; 23(2):237-44 (Eng. Abstr.) **(Jpn)**

[Establishment and partial characterization of pancreatic cancer cell line of the golden hamster] Saito S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Aug;81(8):1869 **(Jpn)**

[Malignant neoplasms of the pancreas in autopsy specimens from the Institute of Pathological Anatomy, Medical Academy, in Bialystok 1966-1980] Nowak HF, et al. **Patol Pol** 1984 Apr-Jun;35(2):191-205 (Eng. Abstr.) **(Pol)**

[Preliminary evaluation of diagnostic fine-needle aspiration biopsy of the liver and pancreas conducted under the control of computerized tomography] Sajdak E, et al. **Pol Tyg Lek** 1984 Apr 16;39(16):533-6 **(Pol)**

[Carcinoid of the pancreas] Iashin NP, et al. **Vestn Khir** 1985 Apr;134(4):68 **(Rus)**

[Metastasis of pancreatic cancer to the brain] Shangai VA, et al. **Vrach Delo** 1984 Nov;(11):77-9 (Eng. Abstr.) **(Rus)**

[Endocrine cells and tumors of the gastrointestinal system and pancreas] Grimelius L, et al. **Lakartidningen** 1985 Jan 30;82(5):295-8 **(Swe)**

PHYSIOPATHOLOGY

Relief of the pain of unresectable carcinoma of pancreas by chemical splanchnicectomy during laparotomy. Gardner AM, et al. **Ann R Coll Surg Engl** 1984 Nov;66(6):409-11

Collagenase stimulation in cocultures of human fibroblasts and human tumor cells. Biswas C. **Cancer Lett** 1984 Sep; 24(2):201-7

Histogenesis of exocrine pancreatic cancer in the hamster model. Pour PM. **Environ Health Perspect** 1984 Jun; 56:229-43 (32 ref.)

Quinine inhibits Ca2+-independent K+ channels whereas tetraethylammonium inhibits Ca2+-activated K+ channels in insulin-secreting cells. Findlay I, et al. **FEBS Lett** 1985 Jun 3;185(1):4-8

Does pancreatic cancer lead to an increased coffee consumption? [letter] Heuch I, et al. **Lancet** 1985 Feb 9; 1(8424):339

Interactions between human tumor cells and fibroblasts stimulate hyaluronate synthesis. Knudson W, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6767-71

[Glucagonoma without the glucagonoma syndrome] Morosini M, et al. **Minerva Chir** 1985 May 31;40(10):707-9 (Eng. Abstr.) **(Ita)**

[The association of pancreatic endocrine dysfunction with carcinoma of the pancreas and chronic pancreatitis] Kuwahara Y. **Nippon Geka Gakkai Zasshi** 1985 Jan; 86(1):73-83 (Eng. Abstr.) **(Jpn)**

[Anesthesia of the celiac plexus in analgesia in cases of inoperable epigastric tumors] Duraj M, et al. **Wiad Lek** 1985 Feb 15;38(4):286-9 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Reactions to life-style warnings: coffee and cancer. Weinstein ND. **Health Educ Q** 1985 Summer;12(2):129-34

Preventive and enhancing effects of retinoids on the development of naturally occurring tumors of skin, prostate gland, and endocrine pancreas in aged male ACI/segHapBR rats. Ohshima M, et al. **JNCI** 1985 Feb; 74(2):517-24

RADIOGRAPHY

CT features of nonfunctioning islet cell carcinoma. Eelkema EA, et al. **AJR** 1984 Nov;143(5):943-8

CT of functioning tumors of the pancreas. Rossi P, et al. **AJR** 1985 Jan;144(1):57-60

Value of intravenous digital subtraction angiography to demonstrate hypervascular endocrine tumors: report of two cases. Baert AL, et al. **Cardiovasc Intervent Radiol** 1984; 7(5):193-5

Pseudotumorous pancreatitis. Lammer J, et al. **Gastrointest Radiol** 1985;10(1):59-67

Gallbladder ectopia simulating pancreatic mass on CT. Morse JM, et al. **Gastrointest Radiol** 1985;10(2):111-3

The case of the cystic mass. Seaman WB. **Hosp Pract [Off]** 1985 Jul 15;20(7):32I-32J

Skin eruption and weight loss in a 57-year-old woman. Tishler JM, et al. **Invest Radiol** 1984 Mar-Apr;19(2):71-5

The radiologic diagnosis of pancreatic cancer. The effect of new imaging techniques. Yankaskas BC, et al **Invest Radiol** 1985 Jan-Feb;20(1):73-8

Detailed evaluation of angiographic findings in the surgical assessment of resectability for pancreatic cancer. Tersigni R, et al. **Ital J Surg Sci** 1985;15(1):31-6

CT evaluation of glucagonomas. Breatnach ES, et al. **J Comput Assist Tomogr** 1985 Jan-Feb;9(1):25-9

Cystic lymphangioma of the pancreas: CT demonstration. Pandolfo I, et al. **J Comput Assist Tomogr** 1985 Jan-Feb; 9(1):209-10

Vanishing pancreas. Lipomatous infiltration of the pancreas. Danovitch SH, et al. **JAMA** 1985 Mar 8;253(10):1442-3

A comparative study of the pancreatogram and the histological findings in 2,2'-dihydroxy-di-N-propylnitrosamine-induced pancreatic carcinoma in golden hamsters. Tajiri H, et al. **Jpn J Clin Oncol** 1984 Sep;14(3):307-19

Men I syndrome and islet cell lesions of the pancreas. Dodds WJ, et al. **Semin Roentgenol** 1985 Jan;20(1):17-63 (198 ref.)

Contribution of computed tomography to patients with pancreatic adenocarcinoma. Wittenberg J, et al. **World J Surg** 1984 Dec;8(6):831-8

[Percutaneous transhepatic portography to predict the resectability of pancreato-ampullar carcinoma] Zhang JX. **Chung Hua I Hsueh Tsa Chih** 1984 Oct;64(10):621-3 **(Chi)**

[Hemangioma of the pancreas] Mangin P, et al. **J Radiol** 1985 May;66(5):381-4 (Eng. Abstr.) **(Fre)**

[Serial computed tomography. Value of densitometric measurements in the diagnosis of benign and malignant lesions of the liver, pancreas and kidney] Krahe T, et al. **ROFO** 1985 Jul;143(1):28-35 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of masses in the head of the pancreas area] Neufang KF, et al. **ROFO** 1985 Jun;142(6):679-84 (Eng. Abstr.) **(Ger)**

[Hematogenous metastasis caused by angiography?] Reuss JA, et al. **ROFO** 1985 Aug;143(2):242-4 **(Ger)**

[Intra-arterial DSA of the mesenterico-spleno-portal vessels] Busch HP, et al. **Rontgenpraxis** 1985 Jan;38(1):7-10 **(Ger)**

[Early diagnosis of pancreatic cancer by routine CT scanning; significance of the pancreatic bile duct scanning] Furukawa Y. **Gan To Kagaku Ryoho** 1985 Feb;12(2):200-11 (Eng Abstr.) **(Jpn)**

[Angiographic differentiation of cancer in the pancreas head region] Inui K, et al. **Rinsho Hoshasen** 1985 Jan;30(1):31-8 (Eng. Abstr.) **(Jpn)**

[Computerized tomography in the differential diagnosis of the causes of cholestasis] Juszczyk J, et al. **Pol Tyg Lek** 1985 Jan 21;40(3):65-8 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

[Scintigraphic diagnosis of neuroblastoma and pheochromocytoma with 131I-meta-iodobenzylguanidine in pediatrics] Mussa GC, et al. **Minerva Pediatr** 1984 Oct 15;36(19):919-22 (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Response of pancreatic cancer to local irradiation with high-energy neutrons. Cohen L, et al. **Cancer** 1985 Sep 15;56(6):1235-41

Intraoperative radiotherapy for advanced carcinoma of the pancreas. Nishimura A, et al. **Cancer** 1984 Dec 1; 54(11):2375-84

Malignant obstructive jaundice: treatment with external-beam and intracavitary radiotherapy. Johnson DW, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb; 11(2):411-6

Radiation therapy for pancreatic cancer: eleven year experience at the JCRT. Rich TA. **Int J Radiat Oncol Biol Phys** 1985 Apr;11(4):759-63

Treatment of pancreatic cancer by radiation therapy. Dobelbower RR Jr, et al. **World J Surg** 1984 Dec; 8(6):919-28

Intraoperative irradiation combined with radical resection for cancer of the head of the pancreas. Hiraoka T, et al. **World J Surg** 1984 Oct;8(5):766-71

Intraoperative radiation therapy for patients with pancreatic carcinoma. Shipley WU, et al. **World J Surg** 1984 Dec; 8(6):929-34

[Radiotherapy of pancreas cancer--literature review] Roth S, et al. **Radiologe** 1985 Jan;25(1):41-7 (Eng. Abstr.) **(Ger)**

[Intraoperative radiotherapy of unresectable pancreatic carcinoma] Kita M, et al. **Gan No Rinsho** 1985 Jun; 31(7):833-8 (Eng. Abstr.) **(Jpn)**

[Radiotherapy of pancreatic carcinoma] Miyoshi M, et al. **Gan No Rinsho** 1985 Jul;31(8):933-6 (Eng. Abstr.) **(Jpn)**

[The role of radiotherapy in the management of cancer of digestive organs: the liver, bile tract and pancreas] Odaka M, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep; 85(9):1067-71 (Eng. Abstr.) **(Jpn)**

SECONDARY

Pancreatic islet cell carcinoma with hypercalcemia. Primary hyperparathyroidism or humoral hypercalcemia of malignancy. Rasbach DA, et al. **Am J Med** 1985 Feb; 78(2):337-42

Extrahepatic biliary obstruction caused by small-cell lung cancer. Johnson DH, et al. **Ann Intern Med** 1985 Apr; 102(4):487-90

Pancreatitis and diabetes mellitus with metastatic pulmonary oat-cell carcinoma [letter] Schmitt JK. **Ann Intern Med** 1985 Oct;103(4):638-9

Extrahepatic biliary obstruction and small-cell lung carcinoma [letter] Witt PC, et al. **Ann Intern Med** 1985 Sep;103(3):476

Late metastases of a hypernephroma to the thyroid and the pancreas. Weerdenburg JP, et al. **Diagn Imag Clin Med** 1984;53(5):269-72

Pancreatic metastases in bone sarcomas: CT demonstration. Rubin E, et al. **J Comput Assist Tomogr** 1985 Sep-Oct; 9(5):886-8

Asynchronous metastasizing renal cell carcinoma associated with progressive immune complex glomerulonephritis and proteinuria. Skaarup P, et al. **Scand J Urol Nephrol** 1984; 18(4):351-6

Solitary pancreatic metastasis occurring 20 years after nephrectomy for carcinoma of the kidney. Audisio RA, et al. **Tumori** 1985 Apr 30;71(2):197-200

[Clinical and diagnostic considerations on a case of pancreatic plasmacytoma] Borgia G, et al. **Minerva Med** 1984 Dec 15;75(47-48):2839-42 (Eng. Abstr.) **(Ita)**

[A case of resected renal cell carcinoma with massive pancreatic metastases] Kishimoto H, et al. **Gan No Rinsho** 1985 Jan;31(1):91-6 (Eng. Abstr.) **(Jpn)**

SECRETION

Pancreatic islet cell tumor associated with Cushing's syndrome. Clark ES, et al. **Am J Surg Pathol** 1984 Dec; 8(12):917-24

Surgical management of tumors that produce gastrointestinal hormones. Townsend CM Jr, et al. **Annu Rev Med** 1985; 36:111-24 (57 ref.)

Pancreatic islet cell carcinoma with gastrin and vasoactive intestinal polypeptide production. Barragry TP, et al. **Arch Surg** 1985 Oct;120(10):1178-81

Role of calcium in defective insulin secretion from human and transplantable rat islet cell tumours. Flatt PR, et al. **Biomed Biochim Acta** 1985;44(1):71-5

Multihormonal carcinoid tumor of the pancreas. Secreting growth hormone-releasing factor as a cause of acromegaly. Berger G, et al. **Cancer** 1984 Nov 15;54(10):2097-108

Insulin secretion in mammosomatotropic tumor-bearing and pregnant rats. A role for lactogens. Sorenson RL, et al. **Diabetes** 1985 Apr;34(4):337-41

Treatment of patients with pancreatic endocrine tumours using a new long-acting somatostatin analogue symptomatic and peptide responses. Wood SM, et al. **Gut** 1985 May;26(5):438-44

Failure to respond to growth hormone releasing hormone (GHRH) in acromegaly due to a GHRH secreting pancreatic tumor: dynamics of multiple endocrine testing. Schulte HM, et al. **J Clin Endocrinol Metab** 1985 Sep; 61(3):585-7

Gastroenteropancreatic endocrine tumors. Weil C. **Klin Wochenschr** 1985 May 15;63(10):433-59

Acromegaly due to secretion of growth hormone by an ectopic pancreatic islet-cell tumor. Melmed S, et al. **N Engl J Med** 1985 Jan 3;312(1):9-17

[Multihormone-producing insulinomas] Liu TH. **Chung Hua I Hsueh Tsa Chih** 1984 Sep;64(9):541-4 (Eng. Abstr.) **(Chi)**

[A glucagon-secreting alpha-cell carcinoma of the pancreas] Matsumoto J, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Feb;82(2):330-4 **(Jpn)**

SURGERY

Periampullary disease and pancreatoduodenectomy. Snyder J. **Alaska Med** 1985 Apr-Jun;27(2):19-27

Pregnancy complicated by insulinoma. Osei K, et al. **Am J Med Sci** 1984 Oct;288(3):133-5

Periampullary tumors: which ones should be resected? Jones BA, et al. **Am J Surg** 1985 Jan;149(1):46-52

NEWARK PUBLIC LIBRARY

Anaesthetic management of glucagonoma. Nicoll JM, et al. **Anaesthesia** 1985 Feb;40(2):152-7

Pancreatic and periampullary carcinoma. Kairaluoma MI, et al. **Ann Chir Gynaecol** 1984;73(4):199-205

The role of imaging ultrasound during pancreatic surgery. Sigel B, et al. **Ann Surg** 1984 Oct;200(4):486-93

Pancreatic cancer. Adjuvant combined radiation and chemotherapy following curative resection. Kalser MH, et al. **Arch Surg** 1985 Aug;120(8):899-903

Surgical management of hyperinsulinism in the multiple endocrine neoplasia, type 1 syndrome. Rasbach DA, et al. **Arch Surg** 1985 May;120(5):584-9

Rapid intra-abdominal spread of pancreatic cancer. Influence of multiple operative biopsy procedures. Weiss SM, et al. **Arch Surg** 1985 Apr;120(4):415-6

Surgery of pancreatic dermoid cyst with ligature of superior mesenteric vein. Lázaro da Silva A, et al. **Arq Gastroenterol** 1984 Oct-Dec;21(4):183-6

Pancreatic carcinoma: surgical treatment. Deschamps G, et al. **Can J Surg** 1984 Nov;27(6):559-60

Intraoperative radiotherapy for advanced carcinoma of the pancreas. Nishimura A, et al. **Cancer** 1984 Dec 1; 54(11):2375-84

Surgical treatment for insulinoma: a study of 6 cases. Ichiba Y, et al. **Hiroshima J Med Sci** 1985 Jun;34(2):247-52

Surgical treatment for periampullary carcinoma: a study of 129 patients. Tanaka T, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):179-83

Surgery for carcinoma of the pancreas and periampullary structures: complications of resectional and palliative procedures. Lee YT. **J Surg Oncol** 1984 Dec;27(4):280-5

Cancer of the head of the pancreas: an institutional review with emphasis on surgical therapy. Rosenberg JM, et al. **J Surg Oncol** 1985 Mar;28(3):217-21

Pancreatectomy for carcinoma of the head of the pancreas associated with multiple anomalies including the preduodenal portal vein. Matsusue S, et al. **Jpn J Surg** 1984 Sep;14(5):394-8

Cytoreduction surgery for metastatic glucagonoma. A clinicopathologic study with special reference to the utility of immunocytochemistry and ultrastructure in diagnosis. Rader DL, et al. **Minn Med** 1984 Sep;67(9):483-5, 516

Cystic islet cell tumor: diagnosis and surgical management. Loiterman DA, et al. **Mt Sinai J Med (NY)** 1985 Mar; 52(3):212-5

Is there still a place for Whipple's operation? Roukema JA, et al. **Neth J Surg** 1985 Jun;37(3):79-82

The influence of preoperative jaundice, biliary drainage and age on postoperative morbidity and mortality after pancreatoduodenectomy and total pancreatectomy. Snellen JP, et al. **Neth J Surg** 1985 Jun;37(3):83-6

Management of nonfunctioning islet cell tumors of the pancreas. Dial PF, et al. **Surg Clin North Am** 1985 Apr; 65(2):291-9

Duodenum-preserving resection of the head of the pancreas in patients with severe chronic pancreatitis. Beger HG, et al. **Surgery** 1985 Apr;97(4):467-73

Metastatic insulin-secreting carcinoma of the pancreas: clinical course and the role of surgery. Danforth DN Jr, et al. **Surgery** 1984 Dec;96(6):1027-37

Localization of an occult insulinoma by intraoperative ultrasonography. Norton JA, et al. **Surgery** 1985 Mar; 97(3):381-4

Intraoperative ultrasonic localization of endocrine tumors of the pancreas. Rueckert KF, et al. **Surgery** 1984 Dec; 96(6):1045-7

The surgical treatment of pancreatic carcinoma. Trede M. **Surgery** 1985 Jan;97(1):28-35

Re: Successful long-term results with resection of pancreatic carcinoma in children [letter] Wetzel WJ. **Surgery** 1984 Nov;96(5):946-7

Pancreatoduodenectomy with preservation of the pylorus. Braasch JW, et al. **World J Surg** 1984 Dec;8(6):900-5

The future in treatment of pancreatic cancer. Dietzen CD, et al. **World J Surg** 1984 Dec;8(6):952-5

Preoperative transhepatic biliary decompression in pancreatic and periampullary cancer. Ellison EC, et al. **World J Surg** 1984 Dec;8(6):862-71

Intraoperative irradiation combined with radical resection for cancer of the head of the pancreas. Hiraoka T, et al. **World J Surg** 1984 Oct;8(5):766-71

Surgical treatment of pancreatic cancer. Kümmerle F, et al. **World J Surg** 1984 Dec;8(6):889-94

Cancer of the pancreas: palliative operation, Whipple procedure, or total pancreatectomy. Longmire WP Jr. **World J Surg** 1984 Dec;8(6):872-9

The place of total and extended total pancreatectomy in pancreatic cancer. Moossa AR, et al. **World J Surg** 1984 Dec;8(6):895-9

Surgical palliation of unresectable carcinoma of the pancreas. Sarr MG, et al. **World J Surg** 1984 Dec;8(6):906-18

Malignant islet-cell tumors of the pancreas. Thompson NW, et al. **World J Surg** 1984 Dec;8(6):940-51

Pancreatic resection for carcinoma of the pancreas: Whipple versus total pancreatectomy--an institutional perspective. van Heerden JA. **World J Surg** 1984 Dec;8(6):880-8

[Insulinoma: recent developments in diagnosis and surgical treatment] Zeng XJ. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Jun; 6(3):162-5 (Eng. Abstr.) (Chi)

[Palliative procedures for inoperable carcinoma of the pancreas] Vojtišek V, et al. **Rozhl Chir** 1984 Sep; 63(8-9):547-53 (Eng. Abstr.) **(Cze)**

[Peroperative fine needle biopsy of the pancreas] Simonsen O, et al. **Ugeskr Laeger** 1985 Feb 4;147(6):508-10 (Eng. Abstr.) **(Dan)**

[Proximal duodenopancreatectomy in the treatment of tumors of the bilio-pancreatic junction] Gelin M, et al. **Acta Chir Belg** 1984 Sep-Oct;84(5):319-25 (Eng. Abstr.) **(Fre)**

[The value of proximal duodenopancreatectomy for tumors of the biliary-pancreatic junction] Lerut J, et al. **Acta Chir Belg** 1984 Sep-Oct;84(5):313-8 (Eng. Abstr.) **(Fre)**

[Surgery of insulinoma under an artificial pancreas] Doutre LP, et al. **Ann Chir** 1985 Apr;39(3):177-82 (Eng. Abstr.) **(Fre)**

[Surgery of insulinomas using an artificial pancreas] Doutre LP, et al. **Bull Acad Natl Med (Paris)** 1984 Dec; 168(9):1015-8 (Eng. Abstr.) **(Fre)**

[Prosthetic shunts in the treatment of neoplastic jaundice] Kron B, et al. **Chirurgie** 1984;110(8-9):693-9 (Eng. Abstr.) **(Fre)**

[Malignant diseases of the extrahepatic bile ducts and the pancreas] Duda M, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;108:215-29 **(Ger)**

[Stress tolerance of pancreatic cancer patients] Trede M, et al. **Langenbecks Arch Chir** 1984;364:131-5 (Eng. Abstr.) **(Ger)**

[Pancreas head tumor in childhood] Deindl C, et al. **Monatsschr Kinderheilkd** 1985 May;133(5):274-6 (Eng. Abstr.) **(Ger)**

[Tumors of the endocrine pancreas] Funovics J, et al. **Zentralbl Chir** 1984;109(23):1473-81 (Eng. Abstr.) **(Ger)**

[Malignant gastrinoma] Kändler C, et al. **Zentralbl Chir** 1985; 110(5):305-10 **(Ger)**

[Papilla and pancreas cancer. An epidemiologic-clinical case control study of 298 patients] Meyer J, et al. **Zentralbl Chir** 1984;109(19):1231-7 (Eng. Abstr.) **(Ger)**

[Diagnosis and surgical therapy of organic hyperinsulinism] Wolff H, et al. **Zentralbl Chir** 1985;110(13):811-20 (Eng. Abstr.) **(Ger)**

[Vascular problems in destructive pancreatic surgery] Serio G, et al. **Chir Ital** 1982 Jun;34(3):359-84 (Eng. Abstr.) **(Ita)**

[Neurinoma of the pancreas] Veroux G, et al. **Minerva Chir** 1984 Sep 30;39(18):1219-28 (Eng. Abstr.) **(Ita)**

[Surgical results and problems of pancreatic cancer] Miyazaki I, et al. **Gan To Kagaku Ryoho** 1985 Feb;12(2):220-6 (Eng. Abstr.) **(Jpn)**

[Anesthetic management of a patient with insulinoma] Hirabayashi Y, et al. **Masui** 1984 Nov;33(11):1260-4 (Eng. Abstr.) **(Jpn)**

[History of pancreatectomy--with special reference to pancreatic cancer] Tsuchiya R. **Nippon Geka Gakkai Zasshi** 1985 Apr;86(4):375-80 **(Jpn)**

[Enucleation of five islet-cell tumors in multiple endocrine neoplasia type I: a case report] Kasahara Y, et al. **Nippon Geka Hokan** 1984 May 1;53(3):527-35 (Eng. Abstr.) **(Jpn)**

[Endoscopic naso-biliary drainage (ENBD)] Konishi K, et al. **Nippon Rinsho** 1984 Oct;42(10):2304-8 **(Jpn)**

[A case of mucin-producing pancreas carcinoma] Usui H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Apr; 82(4):685-90 **(Jpn)**

[Giant pancreatic cystadenoma] Batvinkov NI, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):140 **(Rus)**

[Surgical treatment of pancreatic cancer] Kasum'ian SA, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):22-5 (Eng. Abstr.) **(Rus)**

[Early complications of surgical treatment of tumors of the liver, biliary tract and pancreas] Nikhinson RA. **Khirurgiia (Mosk)** 1984 Jul;(7):105-9 **(Rus)**

[Pancreatogastroduodenal resection with decompression of the anastomosis area] Kasum'ian SA. **Vestn Khir** 1984 Aug; 133(8):40-2 (Eng. Abstr.) **(Rus)**

[Combined operations in stomach cancer] Martyniuk VV, et al. **Vestn Khir** 1985 Feb;134(2):19-23 (Eng. Abstr.) **(Rus)**

[Surgical problems in cancer of the pancreas and ampullar region (apropos of 84 cases)] Serrano Sánchez PA, et al. **Rev Esp Enferm Apar Dig** 1985 May;67(5):419-28 (Eng. Abstr.) **(Spa)**

[Our experience in the surgical treatment of malignant ampulla tumors] Serrano Sánchez PA. **Rev Esp Enferm Apar Dig** 1984 Sep;66(3):226-33 (Eng. Abstr.) **(Spa)**

THERAPY

Relief of the pain of unresectable carcinoma of pancreas by chemical splanchnicectomy during laparotomy [letter] Charlton JE. **Ann R Coll Surg Engl** 1985 Mar;67(2):136-7

Multimodality therapy of localized unresectable pancreatic adenocarcinoma. Whittington R, et al. **Cancer** 1984 Nov 1;54(9):1991-8

Sonographic monitoring of biliary endoprostheses. Van Gansbeke D, et al. **Gastrointest Radiol** 1984;9(4):335-9

Creatine kinase isoenzymes: biochemical findings after therapeutical embolization of the hepatic artery in two patients with liver metastasis of an islet cell carcinoma or a carcinoid tumor. SiragEldin E, et al. **Klin Wochenschr** 1985 Mar 15;63(6):257-61

Successful treatment of therapy-resistant pancreatic cholera with human leucocyte interferon. Oberg K, et al. **Lancet** 1985 Mar 30;1(8431):725-7

Hepatic artery embolization for treatment of endocrine gastrointestinal tumors with liver metastases. Stöckmann F, et al. **Z Gastroenterol** 1984 Nov;22(11):652-60

[Combination of radiotherapy with 5-fluorouracil in advanced cancer of the pancreas (letter)] Bolla M, et al. **Bull Cancer (Paris)** 1984;71(4):391-2 **(Fre)**

[Cholecystogastrostomy versus choledochoduodenostomy in non-resectable carcinoma of the head of the pancreas] Cagetti M, et al. **Minerva Chir** 1984 Aug 15-31; 39(15-16):1069-72 (Eng. Abstr.) **(Ita)**

[Hyperthermia: microwave hyperthermia in combination with intra-arterial infusion chemotherapy of cancer of the pancreas] Miura T, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):704-11 (Eng. Abstr.) **(Jpn)**

[Phase II studies of interferon alpha-2 Sch 30500 in advanced gastrointestinal carcinoma] Furue H. **Gan To Kagaku Ryoho** 1985 Aug;12(8):1625-9 (Eng. Abstr.) **(Jpn)**

[Intra-arterial infusion chemotherapy of cancer of the liver, biliary tract and pancreas with or without hyperthermia] Miura T. **Nippon Geka Gakkai Zasshi** 1984 Sep; 85(9):1147-50 (Eng. Abstr.) **(Jpn)**

[Treatment of pancreatic cancer] Bakkevold K, et al. **Tidsskr Nor Laegeforen** 1985 Apr 30;105(12):815-7 (Eng. Abstr.) **(Nor)**

[Experience in the treatment of pancreatic cancer] Dedkov IP, et al. **Vopr Onkol** 1985;31(4):84-8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Histogenesis of pancreatic carcinogenesis in the hamster: ultrastructural evidence. Flaks B. **Environ Health Perspect** 1984 Jun;56:187-203 (90 ref.)

Electron microscopic studies of human pancreatic adenocarcinoma. Satake K, et al. **Eur J Surg Oncol** 1985 Jun;11(2):125-35

Coordinated regulation of free Ca2+ by isolated organelles from a rat insulinoma. Prentki M, et al. **J Biol Chem** 1984 Nov 25;259(22):14054-8

[Two cases of insulinoma--comparison of histochemistry and immunoperoxidase method on imprint cytological slides to histological and ultrastructural findings] Yutani C, et al. **Rinsho Byori** 1985 Jun;33(6):679-87 **(Jpn)**

VETERINARY

Pancreatic adenocarcinoma in a dog with a maldigestion syndrome. Bright JM. **J Am Vet Med Assoc** 1985 Aug 15; 187(4):420-1

Pancreatic beta-cell carcinoma with renal metastasis in a dog. Dahlgren RR, et al. **J Am Vet Med Assoc** 1985 Aug 15; 187(4):425-6

Pancreatic beta cell tumor in a ferret. Kaufman J, et al. **J Am Vet Med Assoc** 1984 Nov 1;185(9):998-1000

Peripheral polyneuropathy in a dog with functional islet B-cell tumor and widespread metastasis. Shahar R, et al. **J Am Vet Med Assoc** 1985 Jul 15;187(2):175-7

Islet cell carcinomas in dogs. Bestetti G, et al. **Virchows Arch** [A] 1985;405(2):203-14

PANCREATIC POLYPEPTIDE

Pancreatic polypeptide, peptide YY, and neuropeptide Y family of regulatory peptides. Solomon TE. **Gastroenterology** 1985 Mar;88(3):838-41

ANALYSIS

Cross-reactivities of neuropeptide Y and peptide YY with pancreatic polypeptide antisera: evidence for the existence of pancreatic polypeptide in the brain. Inui A, et al. **Brain Res** 1985 Mar 25;330(2):386-9

Pancreatic polypeptide in islet cell tumors. Morphologic and functional correlations. Tomita T, et al. **Cancer** 1985 Oct 1;56(7):1649-57

Coexistence of PP- and glucagon-like-immunoreactivity in endocrine cells of gut and pancreas of mouse and a stomachless fish Barbus conchonius. Rombout JH, et al. **Cell Biol Int Rep** 1985 Jun;9(6):520

Influence of a transplantable insulinoma on the pancreatic status of insulin and pancreatic polypeptide in the rat. O'Hare MM, et al. **Diabetologia** 1985 Mar;28(3):157-60

Pancreatic polypeptide and other hormones in pancreas of obese (ob/ob) mice. Tomita T, et al. **Diabetologia** 1984 Oct; 27(4):454-9

Regional distribution of pancreatic polypeptide and other hormones in chicken pancreas: reciprocal relationship between pancreatic polypeptide and glucagon. Tomita T, et al. **Gen Comp Endocrinol** 1985 May;58(2):303-10

Immunohistochemical studies on glucagon, glicentin and pancreatic polypeptide in human stomach: normal and pathological conditions. Tsutsumi Y. **Histochem J** 1984 Aug;16(8):869-83

Comparative immunohistochemical and biochemical analysis of pancreatic polypeptide-like peptides with special reference to presence of neuropeptide Y in central and peripheral neurons. Lundberg JM, et al. **J Neurosci** 1984 Sep;4(9):2376-86

Phe-met-arg-phe-amide (FMRF-NH2) inhibits insulin and somatostatin secretion and anti-FMRF-NH2 sera detects pancreatic polypeptide cells in the rat islet. Sorenson RL, et al. **Peptides (Fayetteville)** 1984 Jul-Aug;5(4):777-82

Isolation and sequence determination of goose pancreatic polypeptide. Xu YG, et al. **Sci Sin [B]** 1984 Jun;27(6):590-2

BLOOD

Fluctuations in basal plasma levels of pancreatic polypeptide in monkeys and humans. Hansen BC, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):R739-47

Serum pancreatic polypeptide and amylase concentrations in dogs with experimentally induced acute pancreatitis. Murtaugh RJ, et al. **Am J Vet Res** 1985 Mar;46(3):654-6

Plasma pancreatic polypeptide response to insulin-induced hypoglycemia as a marker for defective glucose counterregulation in insulin-dependent diabetes mellitus. White NH, et al. **Diabetes** 1985 Sep;34(9):870-5

Effect of vagal blockade on food- and hormone-stimulated release of pancreatic polypeptide and motilin in dogs. Greenberg GR, et al. **Dig Dis Sci** 1985 Oct;30(10):946-53

Gastric emptying and pancreatic polypeptide response to carbohydrate meals. Taylor IL, et al. **Dig Dis Sci** 1985 Jan;30(1):52-7

Evaluation of serum pancreatic polypeptide estimations following hormonal stimulation for the diagnosis of exocrine pancreatic insufficiency. Cichy W, et al. **Digestion** 1984;30(4):218-23

Effects of pirenzepine on plasma insulin, glucagon and pancreatic polypeptide levels in normal man. Zaccaria M, et al. **Eur J Clin Pharmacol** 1985;27(6):701-5

Gastric acid and pancreatic polypeptide responses to modified sham feeding: indication of an increased basal vagal tone in a subgroup of duodenal ulcer patients. Kohn A, et al. **Gut** 1985 Aug;26(8):776-82

Serum concentration of pancreatic polypeptide in normal subjects and in peptic ulcer patients. Cho CH, et al. **Horm Metab Res** 1985 Apr;17(4):215-6

Fasting and postprandial plasma pancreatic polypeptide (PP) levels in obesity. Jorde R, et al. **Int J Obes** 1984;8(5):393-7

Effects on plasma pepsinogen, gastrin and pancreatic polypeptide of Ostertagia spp. transferred directly into the abomasum of sheep. Anderson N, et al. **Int J Parasitol** 1985 Apr;15(2):159-65

Suppression of postprandial lower esophageal sphincter pressure and pancreatic polypeptide by duodenal exclusion. Maher JW, et al. **J Surg Res** 1984 Dec;37(6):467-71

Can plasma human pancreatic polypeptide be used to detect diseases of the exocrine pancreas? Koch MB, et al. **Mayo Clin Proc** 1985 Apr;60(4):259-65

Pancreatic polypeptide in Pima Indians: the influence of obesity and diabetes. Gingerich RL, et al. **Metabolism** 1985 Jan;34(1):25-9

Pharmacological evidence for opioid and adrenergic mechanisms controlling growth hormone, prolactin, pancreatic polypeptide, and catecholamine levels in humans. Thompson DA, et al. **Metabolism** 1985 Apr;34(4):383-90

Effect of nicotine on basal and bombesin stimulated canine plasma levels of gastrin, cholecystokinin and pancreatic polypeptide. Chowdhury P, et al. **Peptides (Fayetteville)** 1985 Jan-Feb;6(1):127-32

Human pancreatic polypeptide and somatostatin in chronic renal failure. Lugari R, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985;21:614-7

Pancreatic polypeptide response to exercise. Effect of alanine and glucose ingestion in carbohydrate-starved athletes. Koeslag JH, et al. **S Afr Med J** 1985 Jun 1;67(22):884-7

Effects of atropine on GIP-induced insulin and pancreatic polypeptide release in man. Amland PF, et al. **Scand J Gastroenterol** 1985 Apr;20(3):321-4

Effects of intravenously infused porcine GIP on serum insulin, plasma C-peptide, and pancreatic polypeptide in non-insulin-dependent diabetes in the fasting state. Amland PF, et al. **Scand J Gastroenterol** 1985 Apr;20(3):315-20

The effect of physical stress on gastric secretion and pancreatic polypeptide levels in man. Oktedalen O, et al. **Scand J Gastroenterol** 1984 Sep;19(6):770-8

Pancreatic polypeptide response to sham feeding in man. Koop H, et al. **Z Gastroenterol** 1984 Aug;22(8):394-9

[Serum pancreatic polypeptide measurement in the diagnosis of chronic pancreatitis] Chen SP. **Chung Hua Nei Ko Tsa Chih** 1984 Jul;23(7):410-2, 461 (Eng. Abstr.) **(Chi)**

[Serum levels of pancreatic polypeptide in normal subjects and in patients with pancreatic and renal disease] Fan SL. **Chung Hua Nei Ko Tsa Chih** 1984 Oct;23(10):615-8 (Eng. Abstr.) **(Chi)**

[Pancreatic polypeptide--an indicator of vagal tonus in the gastrointestinal tract and pancreas?] Eysselein VE, et al. **Z Gastroenterol** 1984 Aug;22(8):400-3 **(Ger)**

[Effect of gastrin releasing peptide on exocrine pancreatic secretion and plasma levels of CCK and PP in conscious dogs] Hosotani R, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Apr;82(4):664-72 (Eng. Abstr.) **(Jpn)**

GENETICS

Isolation of a cDNA clone encoding pancreatic polypeptide. Takeuchi T, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1536-9

METABOLISM

Immunoreactive avian pancreatic polypeptide in the chicken retina: overall distribution. Katayama Y, et al. **Brain Res** 1984 Sep 17;310(1):164-7

Characterization of immunoreactive forms of pancreatic polypeptide in islet cell tumors using antisera with different regional specificities. O'Hare MM, et al. **Cancer** 1985 May 1;55(9):1895-8

Ontogeny of endocrine cells in the gut of the insect Periplaneta americana. Endo Y. **Cell Tissue Res** 1984;238(2):421-3

A metastatic endocrine-neurogenic tumor of the ampulla of Vater with multiple endocrine immunoreaction--malignant paraganglioma? Büchler M, et al. **Digestion** 1985;31(1):54-9

Plasma responses and pancreatic content of pancreatic polypeptide, glucagon and insulin in alloxan diabetic and normal dogs and their immunohistological studies. Tasaka Y, et al. **Endocrinol Jpn** 1984 Aug;31(4):387-94

Glucagon and pancreatic polypeptide immunoreactivities co-exist in a population of rat islet cells. Kaung HC. **Experientia** 1985 Jan 15;41(1):86-8

The distribution of bovine pancreatic polypeptide/FMRFamide-like immunoreactivity in the ventral nervous system of the locust. Myers CM, et al. **J Comp Neurol** 1985 Apr 1;234(1):1-16

Early phase of pancreatic polypeptide release is augmented by calcium infusion. Sirinek KR, et al. **J Surg Res** 1985 May;38(5):524-9

[Release of pancreatic polypeptide in response to the intragastric administration of a meal is not different in duodenal ulcer patients and normal subjects] Rigaud D, et al. **Gastroenterol Clin Biol** 1985 Jan;9(1):23-6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effects of pancreatic polypeptide, caerulein, and bombesin on satiety in obese mice. Taylor IL, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):G277-80

Inhibition of thymidine incorporation in primary rat hepatocytes by porcine pancreatic polypeptide. Hayden LJ. **Endocrinology** 1985 May;116(5):2116-8

Effect of pancreatic polypeptide on gallbladder filling. Conter R, et al. **J Surg Res** 1985 May;38(5):461-7

Pancreatic polypeptides affect luteinizing and growth hormone secretion in rats. McDonald JK, et al. **Peptides (Fayetteville)** 1985 Jan-Feb;6(1):79-84

The influence of avian pancreatic polypeptide on gastric secretion and motility in laying hens. Duke GE, et al. **Poult Sci** 1985 Jun;64(6):1231-5

SECRETION

Effect of divalent cations on gastrointestinal hormone release and exocrine pancreatic secretion in dogs. Inoue K, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G28-34

Physiologic role of cholecystokinin in the intestinal phase of pancreatic polypeptide release. Fried GM, et al. **Ann Surg** 1984 Nov;200(5):600-4

Pancreatic polypeptide in cystic fibrosis. Nousia-Arvanitakis S, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):722-6

Lack of negative feed-back regulation of insulin on the responses of gastric inhibitory polypeptide, insulin, glucagon and pancreatic polypeptide to a meal in insulin treated diabetics. Krarup T, et al. **Diabete Metab** 1984 Sep;10(3):171-4

Human pancreatic secretory protein profiles in pancreas cancer and chronic pancreatitis. White TT, et al. **Dig Dis Sci** 1985 Mar;30(3):200-3

Pancreatic polypeptide and gastrin release during sham feeding in man. Koop H, et al. **Digestion** 1984;30(1):47-52

Effect of medium-chain triglycerides and long-chain triglycerides on plasma pancreatic polypeptide secretion in man. de Jong AJ, et al. **Regul Pept** 1985 May;11(1):77-81

Effect of truncal vagotomy on intestinal phase of pancreatic polypeptide release in dogs. Yoshiya K, et al. **Regul Pept** 1985 Jun;11(2):143-8

Effects of a gastric partitioning operation for morbid obesity on the secretion of gastric inhibitory polypeptide and pancreatic polypeptide. Amland PF, et al. **Scand J Gastroenterol** 1984 Sep;19(6):857-61

Colonic inhibition of cholecystokinin release and pancreatic protein secretion in dogs. Inoue K, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):423-8

Surgical sympathectomy increases pancreatic polypeptide response to food. Larson GM, et al. **Surgery** 1985 Aug;98(2):236-42

[Behavior of the secretion of pancreatic polypeptide by the PP cell in acute pancreatitis] de Diego Carmona JA, et al. **Rev Esp Enferm Apar Dig** 1985 Feb;67(2):160-4 (Eng. Abstr.) **(Spa)**

URINE

Urinary immunoreactive pancreatic polypeptide in normal subjects. Meryn S, et al. **Horm Metab Res** 1984 Jun;16(6):321-2

PANCREATIC PSEUDOCYST see under **PANCREATIC CYST**

PANCREATIN

ADVERSE EFFECTS

Occupational lung disease following long-term inhalation of pancreatic extracts. Wiessmann KJ, et al. **Eur J Respir Dis** 1985 Jan;66(1):13-20

PHARMACODYNAMICS

Influence of infectivity of transmissible gastroenteritis virus of swine by pancreatin and some unknown factors. Lai SS. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1983 Sep;16(3):198-206

RADIATION EFFECTS

[Disinfection of pancreatin preparations with gamma rays] Quehl A, et al. **Nahrung** 1985;29(1):105-7 **(Ger)**

[Radiation sterilization of pancreatin preparation] Kimura S, et al. **Radioisotopes** 1984 Nov;33(11):760-7 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

The influence of long-term cimetidine as an adjuvant to pancreatic enzyme therapy in cystic fibrosis. Chalmers DM, et al. **Acta Paediatr Scand** 1985 Jan;74(1):114-7

Pancreatic enzyme replacement therapy: comparative effects of conventional and enteric-coated microspheric pancreatin and acid-stable fungal enzyme preparations on steatorrhoea in chronic pancreatitis. Schneider MU, et al. **Hepatogastroenterology** 1985 Apr;32(2):97-102

PANCREATITIS

Chronic relapsing pancreatitis in childhood. Buntain WL. **Am Surg** 1985 Apr;51(4):180-8

Acute pancreatitis. Geokas MC, et al. **Ann Intern Med** 1985 Jul;103(1):86-100 (166 ref.)

Acute pancreatitis: pathogenesis, outcome and treatment. Ranson JH. **Clin Gastroenterol** 1984 Sep;13(3):843-63 (81 ref.)

Chronic pancreatitis: pathogenesis, natural history and conservative treatment. Worning H. **Clin Gastroenterol** 1984 Sep;13(3):871-94 (112 ref.)

A practical guide to pancreatitis. Warshaw AL, et al. **Curr Probl Surg** 1984 Dec;21(12):1-79

Workshop on experimental pancreatitis. Steer ML. **Dig Dis Sci** 1985 Jun;30(6):575-81

Chronic calcific pancreatitis of the tropics. Acharya SK, et al. **Trop Gastroenterol** 1984 Jul-Sep;5(3):124-34 (68 ref.)

[Chronic pancreatitis, today] Dagradi A. **Minerva Chir** 1985 Apr 15;40(7):511-2 **(Ita)**

[Acute postoperative pancreatitis following combined radiation and surgical treatment of cancer of the stomach] Berdov BA, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):94-7 **(Rus)**

[Acute pancreatitis. Clinical evaluation apropos of 100 cases] Chimpen Ruiz V, et al. **Rev Clin Esp** 1984 Oct 15;175(1):17-20 (Eng. Abstr.) **(Spa)**

BLOOD

Prognostic significance of the absolute lymphocyte count in acute pancreatitis. Christophi C, et al. **Am J Surg** 1985 Sep;150(3):295-6

Serum amylase isoenzyme alterations in acute abdominal conditions. Swensson EE, et al. **Ann Emerg Med** 1985 May;14(5):421-3

Apoprotein E-4-like isoprotein in hypertriglyceridaemic patients during acute pancreatitis [letter] Stuyt PM, et al. **Atherosclerosis** 1984 Sep;52(3):353-5

Serum gastrin in patients with chronic pancreatitis. Enslev L, et al. **Dan Med Bull** 1984 Dec;31(6):501-3

Plasma apolipoprotein A-IV levels decrease in patients with chronic pancreatitis and malabsorption syndrome. Koga S, et al. **Digestion** 1985;32(1):19-24

Impaired lipid clearance in patients with previous acute pancreatitis. Guzmán S, et al. **Gut** 1985 Sep;26(9):888-91

Endotoxaemia and acute pancreatitis: correlation between the severity of the disease and the anti-enterobacterial common antigen antibody titre. Kivilaakso E, et al. **Gut** 1984 Oct;25(10):1065-70

Studies on the behavior of blood coagulation and fibrinolysis in experimental acute pancreatitis in dogs. Kanao M, et al. **Hiroshima J Med Sci** 1984 Sep;33(3):461-5

Reduced inhibitory effect of somatostatin on the exocrine function of the pancreas and on serum insulin (IRI) levels in chronic relapsing pancreatitis. Czyżyk A, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:155-9

Serial alterations in the forms of immunoreactive pancreatic cationic trypsin in plasma from patients with acute pancreatitis. Durie PR, et al. **J Pediatr Gastroenterol Nutr** 1985 Apr;4(2):199-207

Blood levels of certain vitamins in patients with chronic pancreatitis. Effect of substitutive treatment with pancreatic extracts. Dzieniszewski J, et al. **Mater Med Pol** 1984 Apr-Dec;16(2-4):71-4

Effect of bombesin on serum gastrin concentration in patients with chronic pancreatitis. Vezzadini P, et al. **Panminerva Med** 1984 Jul-Sep;26(3):181-4

Serum tissue polypeptide antigen in chronic pancreatic disease. Does hepatic damage have any influence? Panucci

NEWARK PUBLIC LIBRARY

A, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):425-9

Acute pancreatitis. The correlation between clinical course, protease inhibitors, and complement and kinin activation. Lasson A, et al. **Scand J Gastroenterol** 1984 Sep; 19(6):707-10

Protease inhibitors in acute human pancreatitis. Correlation between biochemical changes and clinical course. Lasson A, et al. **Scand J Gastroenterol** 1984 Sep;19(6):779-86

[Immunoreactive trypsin in the serum of normal children and children with gastrointestinal diseases] Dockter G, et al. **Monatsschr Kinderheilkd** 1984 Aug;132(8):589-93 (Eng. Abstr.) **(Ger)**

[Determination of insulin in blood using the Insulin RIA Kit (Hungary)] Pomazovskaia VA, et al. **Lab Delo** 1985;(4):207-9 (Eng. Abstr.) **(Rus)**

[Diagnostic value of determining medium molecules in destructive pathological processes] Shepilova ZhI, et al. **Lab Delo** 1984;(9):546-8 (Eng. Abstr.) **(Rus)**

[Pancreatic hormones and cyclic nucleotides in the blood in chronic recurrent pancreatitis] Iagoda AV, et al. **Ter Arkh** 1984;56(12):94-6 (Eng. Abstr.) **(Rus)**

[Abnormal amino acid spectrum in the blood of acute pancreatitis patients] Terekhov SN. **Vrach Delo** 1984 Dec;(12):86-8 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Chronic pancreatitis after therapy with synthetic ACTH. Trancoso VN, et al. **Am J Gastroenterol** 1984 Oct; 79(10):769-72

High-dose cytosine arabinoside-associated pancreatitis. Siemers RF, et al. **Cancer** 1985 Oct 15;56(8):1940-2

Pancreatitis following cisplatin: a case report [letter] Bunin N, et al. **Cancer Treat Rep** 1985 Feb;69(2):236-7

Cerulein-induced pancreatitis in rats: increased lysosomal enzyme activity and autophagocytosis. Adler G, et al. **Digestion** 1985;32(1):10-8

Failure of secretin to prevent or ameliorate cerulein-induced pancreatitis in the rat. Keim V, et al. **Hepatogastroenterology** 1985 Apr;32(2):91-6

Studies on pathogenesis of reflux pancreatitis. Kanao M, et al. **Hiroshima J Med Sci** 1984 Dec;33(4):731-7

Chronic pancreatitis possibly caused by occupational exposure to organic solvents. Døssing M, et al. **Hum Toxicol** 1985 May;4(3):237-40

Diphenoxylate and pancreatitis [letter] McCormick PA, et al. **Lancet** 1985 Mar 30;1(8431):752

[Hepatitis and pancreatitis due to indalpine] Calmus Y, et al. **Gastroenterol Clin Biol** 1985 Mar;9(3):266-8 (Eng. Abstr.) **(Fre)**

[Acute pancreatitis caused by codeine preparations? (letter)] Arendt T. **Dtsch Med Wochenschr** 1984 Oct 5;109(40):1544 **(Ger)**

[Acute pancreatitis caused by codeine preparations? (letter)] Weithofer G. **Dtsch Med Wochenschr** 1985 Jan 18; 110(3):118 **(Ger)**

[Acute drug-induced pancreatitis] Dobrilla G, et al. **Schweiz Med Wochenschr** 1985 Jun 22;115(25):850-8 (Eng. Abstr.) **(Ger)**

[Effect of gastrectomy on edematous pancreatitis in the mouse treated with cimetidine] Casula G, et al. **Chir Patol Sper** 1983 Feb;31(1):13-20 (Eng. Abstr.) **(Ita)**

[Acute pancreatitis during the treatment of BH-AC AMP regimen for acute non-lymphecytic leukemia] Onozawa Y, et al. **Rinsho Ketsueki** 1984 Nov;25(11):1766-71 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Definitions of acute and chronic pancreatitis. Sarner M, et al. **Clin Gastroenterol** 1984 Sep;13(3):865-70

Revised classification of pancreatitis--Marseille 1984. Sarles H. **Dig Dis Sci** 1985 Jun;30(6):573-4

Classification of pancreatitis--Cambridge and Marseille [letter] Banks PA, et al. **Gastroenterology** 1985 Oct; 89(4):928-30

Revised classification of pancreatitis. Report of the Second International Symposium on the Classification of Pancreatitis in Marseille, France, March 28-30, 1984. Singer MV, et al. **Gastroenterology** 1985 Sep;89(3):683-5

Types of pancreatitis [letter] Fitzgerald O. **Gut** 1985 Apr; 26(4):430

Clinical classification of pancreatitis. Scuro LA. **Ric Clin Lab** 1984 Jul-Sep;14(3):361-5

[Classification of pancreatitis (letter)] Ornelas R, et al. **Rev Invest Clin** 1985 Jan-Mar;37(1):71-2 **(Spa)**

COMPLICATIONS

Upper gastrointestinal hemorrhage associated with pancreatitis. Mollerup CL, et al. **Acta Chir Scand** 1985; 151(1):89-91

Pancreatic ascites. Geukens R, et al. **Acta Clin Belg** 1984; 39(5):275-84

Chronic relapsing pancreatitis with pseudocyst erosion into the portal vein and disseminated fat necrosis. Lee SH, et al. **Am J Gastroenterol** 1985 Jun;80(6):452-8

Wirsungorrhagia or hemoductal pancreatitis: report of a case and review of the literature. Yokoyama I, et al. **Am J Gastroenterol** 1984 Oct;79(10):764-8

Retinopathy associated with acute pancreatitis. Snady-McCoy L, et al. **Am J Ophthalmol** 1985 Aug 15; 100(2):246-51

Evidence for pancreas injury in adult respiratory distress syndrome. Nicod L, et al. **Am Rev Respir Dis** 1985 May; 131(5):696-9

The association of primary hyperparathyroidism and pancreatitis. Prinz RA, et al. **Am Surg** 1985 Jun;51(6):325-9

'Idiopathic' duodenal obstruction due to chronic pancreatitis. Satake K, et al. **Am Surg** 1984 Oct;50(10):534-7

A broncho-biliary fistula probably due to exacerbation of chronic pancreatitis. A short review of the literature. Hansen M, et al. **Ann Chir Gynaecol** 1985;74(1):36-9

Acute haemorrhage associated with pancreatic pseudocyst and chronic pancreatitis. Kiviluoto T, et al. **Ann Chir Gynaecol** 1984;73(4):214-8

Computed tomography and the prediction of pancreatic abscess in acute pancreatitis. Ranson JH, et al. **Ann Surg** 1985 May;201(5):656-65

Pseudohyponatremia in acute hyperlipemic pancreatitis. A potential pitfall in therapy. Howard JM, et al. **Arch Surg** 1985 Sep;120(9):1053-5

Aseptic necrosis of the talus and calcaneal insufficiency fractures in a patient with pancreatitis, subcutaneous fat necrosis, and arthritis. Baron M, et al. **Arthritis Rheum** 1984 Nov;27(11):1309-13

A case of pancreatitis associated with gastrinoma. Danne PD, et al. **Aust NZ J Surg** 1985 Apr;55(2):213-5

Prophylactic use of antibiotics in pancreatic sepsis: a 25-year reappraisal. Trudel JL, et al. **Can J Surg** 1984 Nov; 27(6):567-70

Febrile polyarthritis and cutaneous nodules. An unusual presentation of a pancreatitis. Waterlot Y, et al. **Clin Rheumatol** 1984 Dec;3(4):521-3

Pulmonary involvement in chronic pancreatitis. Masoero G, et al. **Dig Dis Sci** 1984 Oct;29(10):896-901

Endoscopic manometry of the pancreatic duct and sphincter zone in patients with chronic pancreatitis. Novis BH, et al. **Dig Dis Sci** 1985 Mar;30(3):225-8

Prevalence and natural history of distal common bile duct stenosis in alcoholic pancreatitis. Petrozza JA, et al. **Dig Dis Sci** 1984 Oct;29(10):890-5

Floating pancreatic duct concrements in chronic pancreatitis. Pain relief by endoscopic removal. Schneider MU, et al. **Endoscopy** 1985 Jan;17(1):8-10

Pain in chronic pancreatitis [letter] Ink O, et al. **Gastroenterology** 1985 Feb;88(2):603-4

Depression of serum calcium by increased plasma free fatty acids in the rat: a mechanism for hypocalcemia in acute pancreatitis. Warshaw AL, et al. **Gastroenterology** 1985 Oct;89(4):814-20

Neuroendocrine islet cell tumour producing gastrin and ACTH in a patient with calcifying chronic pancreatitis. Allison MC, et al. **Gut** 1985 Apr;26(4):426-8

Pancreatic enzyme replacement therapy: comparative effects of conventional and enteric-coated microspheric pancreatin and acid-stable fungal enzyme preparations on steatorrhoea in chronic pancreatitis. Schneider MU, et al. **Hepatogastroenterology** 1985 Apr;32(2):97-102

Chronic pancreatitis and exocrine insufficiency. Greenberger NJ. **Hosp Pract [Off]** 1985 Jan 30;20(1A):33-45

Surgical treatment of biliary complications from calcifying chronic pancreatitis. da Cunha JE, et al. **Int Surg** 1984 Apr-Jun;69(2):149-54

Inflammatory pancreatic masses. Sharma MP, et al. **Int Surg** 1984 Apr-Jun;69(2):141-3

Stenosis of the colon in pancreatitis. Lazarou N, et al. **Isr J Med Sci** 1984 Nov;20(11):1073-7

Acute renal failure in acute pancreatitis. Karachalios GN, et al. **J Med** 1984;15(3):169-76

Prolonged gastroduodenal ileus complicating aortic aneurysm surgery. Aldridge MC, et al. **J R Coll Surg Edinb** 1984 Sep;29(5):310-2

Pancreatic pleural effusion with normal serum amylase levels [letter] Leung AK. **J R Soc Med** 1985 Aug;78(8):698

Vascular complications in pancreatic diabetes [letter] Felicetta JV. **N Engl J Med** 1984 Nov 1;311(18):1185-6

Surgical treatment of pseudocysts of the pancreas--guidelines for management. Julius AJ, et al. **Neth J Surg** 1984 Aug; 36(4):93-7

Recurrent acute pancreatitis associated with pancreatic stones [letter] Beasley SW, et al. **NZ Med J** 1985 Feb 13;98(772):70

Case 1. Systemic amyloidosis in an infant with panniculitis and pancreatitis. Abramowsky CR. **Pediatr Pathol** 1984; 2(3):331-6

Pancreatitis and inguinal swelling [letter] Gibbons CP. **Postgrad Med J** 1984 Oct;60(708):711

Survival after profound hypocalcaemia with tetany complicating severe haemorrhagic acute pancreatitis. Jones PA. **Postgrad Med J** 1985 Jan;61(711):43-5

Pancreatic and liver disease in an alcoholic. Kreel L. **Postgrad Med J** 1985 Jan;61(711):37-8

Massive gastric distension in acute pancreatitis--a report of two cases. Murray WJ. **Postgrad Med J** 1984 Sep; 60(707):631-3

Haemorrhage through the ampulla of Vater. Ribbans WJ, et al. **Postgrad Med J** 1985 Jun;61(716):533-5

Acquired bisalbuminemia in pancreatitis. Demonstration of a proteolytic process in ten patients. Renversez JC, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):417-23

Hemorrhagic right pleural effusion complicating pancreatitis [letter] Benson L, et al. **S Afr Med J** 1985 Feb 2;67(5):160

Hypophosphataemia in acute pancreatitis. Sacks DB, et al. **S Afr Med J** 1985 Jul 20;68(2):87-90

Bronchobiliary fistula after chronic pancreatitis. A case report. Watters DA, et al. **S Afr Med J** 1984 Oct 13; 66(15):576-7

Ischaemic optic neuropathy and retinopathy associated with acute pancreatitis. Smith WG, et al. **Scott Med J** 1985 Jan; 30(1):46-7

Chronic pancreatitis with splenic vein occlusion and recurrent variceal haemorrhage. Wang YT, et al. **Singapore Med J** 1984 Dec;25(6):456-8

The incidence and prognosis of body wall ecchymosis in acute pancreatitis. Dickson AP, et al. **Surg Gynecol Obstet** 1984 Oct;159(4):343-7

Clinicobiochemical factors in predicting gallstones in necrotizing pancreatitis. Nordback I, et al. **Surg Gynecol Obstet** 1985 Aug;161(2):139-41

Extensive colonic necrosis complicating acute pancreatitis. Kukora JS. **Surgery** 1985 Mar;97(3):290-3

Biliary stenosis secondary to pancreatitis: an unusual cause of obstructive jaundice in a renal transplant recipient. Anaise D, et al. **Transplant Proc** 1984 Dec;16(6):1669-71

[Acute hemorrhagic necrotic pancreatitis complicating cor pulmonale] Chen WB, et al. **Chung Hua Nei Ko Tsa Chih** 1985 Mar;24(3):136-8, 188 (Eng. Abstr.) **(Chi)**

[Simultaneous occurrence of celiac disease and chronic pancreatitis] Hegnhøj J. **Ugeskr Laeger** 1985 Feb 11; 147(7):622-3 (Eng. Abstr.) **(Dan)**

[Acute traumatic pancreatitis with thromboembolic complications. Physiopathological aspects] Toftdahl D, et al. **Ugeskr Laeger** 1984 Jul 9;146(28):2093-5 (Eng. Abstr.) **(Dan)**

[Total gastroduodenal necrosis caused by acute postoperative pancreatitis. Temporary choledochostomy. Recovery] Sastre B, et al. **Ann Chir** 1985 Jun;39(5):323-5 (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of the spleen during the development of chronic pancreatitis. One case] Ronchi L, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Jun;21(3):137-9 (Eng. Abstr.) **(Fre)**

[Pancreatitis: a little-known cause of ureteral obstruction] Reynaud J, et al. **Ann Urol (Paris)** 1984 Sep;18(5):313-7 (Eng. Abstr.) **(Fre)**

[Wirsung's duct hemorrhage in chronic pancreatitis. Report of 4 cases and study of the literature] Le Neel JC, et al. **J Chir (Paris)** 1984 Nov;121(11):649-53 (Eng. Abstr.) **(Fre)**

[Splenic rupture in chronic pancreatitis. Study of 2 cases and review of the literature] Leloup JM, et al. **J Chir (Paris)** 1984 Aug-Sep;121(8-9):501-4 (Eng. Abstr.) **(Fre)**

[So-called 'other types' of diabetes: chronic pancreatitis and hemochromatosis] Simon M, et al. **Journ Annu Diabetol Hotel Dieu** 1984;:85-114 (215 ref.) **(Fre)**

[Pancreatic hemorrhage. A contribution to the differential diagnosis of gastrointestinal bleeding] Köhler H, et al. **Chirurg** 1984 Aug;55(8):526-7 **(Ger)**

[Fat embolism of retinal arteries following acute pancreatitis] Hackelbusch R. **Klin Monatsbl Augenheilkd** 1984 Jul; 185(1):50-2 (Eng. Abstr.) **(Ger)**

[Complication of pancreatitis] Goebell H, et al. **Lebensversicherungsmedizin** 1985 Jul 1;37(4):95-9 (28 ref.) (Eng. Abstr.) **(Ger)**

[Changes in the exocrine function of the pancreas following surgical management of biliary diseases] Berger Z, et al. **Orv Hetil** 1985 Sep 1;126(35):2161-4 (Eng. Abstr.) **(Hun)**

[Primary sclerosing cholangitis and chronic pancreatitis in ulcerative colitis] Nagy F, et al. **Orv Hetil** 1985 Mar 24; 126(12):717-20 (Eng. Abstr.) **(Hun)**

[Role of the pain specialist in the treatment of pancreatic pain] Mocavero G. **Minerva Chir** 1985 Apr 15;40(7):513-6 **(Ita)**

[Experimental study of respiratory failure with acute pancreatitis in dogs] Takeda K, et al. **Nippon Geka Gakkai Zasshi** 1985 Jun;86(6):717-24 (Eng. Abstr.) **(Jpn)**

[Mechanism of the development of pulmonary changes in acute pancreatitis in humans (selected problems)] Wereszczyńska U. **Pol Arch Med Wewn** 1984 Sep; 72(3):97-101 **(Pol)**

[Large post-inflammatory pancreatic cyst surgically treated by the Roux-Y method] Karoń H. **Wiad Lek** 1985 Mar 1;38(5):371-3 (Eng. Abstr.) **(Pol)**

[Chronic pancreatitis and pancreatic cancer] Kosidlo S, et al. **Wiad Lek** 1985 Jan 1;38(1):59-62 (Eng. Abstr.) **(Pol)**

[Colonic stenosis in acute pancreatitis] Wójcik Z, et al. **Wiad Lek** 1984 Sep 1;37(17):1367-70 (Eng. Abstr.) **(Pol)**

[Follow-up of pancreatic cysts by echography in patients with chronic pancreatitis] Mott C de B, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Nov-Dec; 39(6):260-4 (Eng. Abstr.) **(Por)**

[Late results of the surgical treatment of pancreatic pseudocysts following acute pancreatitis] Spiridonov IV, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):62-5 (Eng. Abstr.) **(Rus)**

[Gastrointestinal hemorrhages in acute and chronic pancreatitis] Makar DA, et al. **Klin Khir** 1984 Nov;(11):22-4 (Eng. Abstr.) **(Rus)**

[Pancreatic ascites] Krikshtopaitis MI, et al. **Klin Med (Mosk)** 1984 Sep;62(9):120-3 **(Rus)**

[Kidney changes in acute pancreatitis] Krylov AA, et al. **Ter Arkh** 1985;57(2):130-2 (44 ref.) **(Rus)**

[Vascular component in the pathogenesis of lung failure in acute pancreatitis patients] Gul'man MI, et al. **Vestn Khir** 1984 Oct;133(10):49-52 (Eng. Abstr.) **(Rus)**

[Case of gastrointestinal hemorrhage] Volobuev NN. **Vestn Khir** 1985 Jan;134(1):133 **(Rus)**

[Hypovolemic shock caused by erosion of the splenic artery in acute pancreatitis (letter)] Hidalgo Grau L, et al. **Med Clin (Barc)** 1985 Mar 9;84(9):375-6 **(Spa)**

[Hypercalcemia and pancreatitis] Targarona EM, et al. **Med Clin (Barc)** 1985 Jun 15;85(3):102-5 **(Spa)**

[Neurolytic block of the celiac ganglia in the treatment of pain caused by chronic pancreatitis (letter)] Zulaica D, et al. **Med Clin (Barc)** 1984 Oct 13;83(11):470-1 **(Spa)**

[Pancreatic lithiasis and cancer of the pancreas] Rodríguez Alvarez JL, et al. **Rev Esp Enferm Apar Dig** 1985 Mar; 67(3):269-74 (Eng. Abstr.) **(Spa)**

[Pancreatic lithiasis and cancer of the pancreas] Rodríguez Alvarez JL, et al. **Rev Esp Enferm Apar Dig** 1985 Jun; 67(6):567-73 (Eng. Abstr.) **(Spa)**

[Pancreatic ascites] Simón MA, et al. **Rev Esp Enferm Apar Dig** 1985 Mar;67(3):275-9 (Eng. Abstr.) **(Spa)**

[Acute pancreatitis and dyslipoproteinemia] Gramática L, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1983;41(2):24-6 (Eng. Abstr.) **(Spa)**

[Pulmonary and renal injuries in acute pancreatitis. Retrospective study of autopsy material] Domínguez Malagón HR, et al. **Rev Gastroenterol Mex** 1984 Apr-Jun; 49(2):69-74 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Thrombosis in the superior mesenteric artery simulating acute pancreatitis. A case report. Lasson A, et al. **Acta Chir Scand** 1985;151(2):187-9

Intraoperative sonography of the pancreas. Smith SJ, et al. **AJR** 1985 Mar;144(3):557-62

Diagnostic assays in acute pancreatitis [letter] **Ann Intern Med** 1985 Sep;103(3):475-6

How much can we know about acute pancreatitis? [editorial] Spechler SJ. **Ann Intern Med** 1985 May;102(5):704-5

Diagnostic assays in acute pancreatitis. A study of sensitivity and specificity. Steinberg WM, et al. **Ann Intern Med** 1985 May;102(5):576-80

Serum tests for pancreatitis in patients with abdominal pain. Eckfeldt JH, et al. **Arch Pathol Lab Med** 1985 Apr; 109(4):316-9

Is serum amylase an obsolete test in the diagnosis of acute pancreatitis? [editorial] Lott JA, et al. **Arch Pathol Lab Med** 1985 Apr;109(4):314-5

Serum pancreatic isoamylase estimation by the inhibitor method as a diagnostic test for chronic pancreatitis. Tait AD, et al. **Aust NZ J Med** 1984 Oct;14(5):600-5

A simple screening test for acute pancreatitis. Holdsworth PJ, et al. **Br J Surg** 1984 Dec;71(12):958-9

Screening for acute pancreatitis: a rapid assay for plasma lipase. Mayer AD, et al. **Br J Surg** 1985 Jun;72(6):436-7

Urinary amylase testing [letter] Steele RJ, et al. **Br J Surg** 1985 Jun;72(6):501

Efficiency in the diagnosis of acute pancreatitis increased by improved electrophoresis of amylase isoenzyme P3 on cellulose acetate. Massey TH. **Clin Chem** 1985 Jan; 31(1):70-5

Immunochemical qualitative latex agglutination test for pancreatic lipase in serum evaluated for use in diagnosis of acute pancreatitis. Møller-Petersen J, et al. **Clin Chem** 1985 Jul;31(7):1207-10

Changes in serum pancreatic enzymes after hormonal stimulation in chronic pancreatitis. Lesi C, et al. **Dig Dis Sci** 1985 Jun;30(6):552-7

Serum trypsinogen in diagnosis of chronic pancreatitis. Steinberg WM, et al. **Dig Dis Sci** 1984 Nov;29(11):988-93

CA 19-9 in the differential diagnosis between pancreatic cancer and chronic pancreatitis. Farini R, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):429-32

Diagnosis of chronic pancreatitis. Niederau C, et al. **Gastroenterology** 1985 Jun;88(6):1973-95 (247 ref.)

Serum PABA test in chronic pancreatitis [letter] Bellentani S, et al. **Gut** 1985 May;26(5):537-8

Prognostic factors in acute pancreatitis. Blamey SL, et al. **Gut** 1984 Dec;25(12):1340-6

Early assessment of severity in acute pancreatitis. Williamson RC. **Gut** 1984 Dec;25(12):1331-9 (76 ref.)

CEA and ferritin in chronic pancreatic disease: a comparative evaluation. Fabris C, et al. **Hepatogastroenterology** 1985 Jun;32(3):146-8

Pancreatitis: is total serum amylase misleading? McMahon LF Jr. **J Clin Gastroenterol** 1985 Feb;7(1):17-9

Acute pancreatitis in children. Tam PK, et al. **J Pediatr Surg** 1985 Feb;20(1):58-60

Erythema ab igne in chronic pancreatic pain [letter] Raffle EJ. **J R Soc Med** 1984 Aug;77(8):706

Preoperative percutaneous pancreatography under real-time sonographic guidance. Manco LG, et al. **JCU** 1984 Sep; 12(7):436-40

Prediction of severity in acute pancreatitis: prospective comparison of three prognostic indices. Corfield AP, et al. **Lancet** 1985 Aug 24;2(8452):403-7

Chronic pancreatitis: ultrasonic features. Alpern MB, et al. **Radiology** 1985 Apr;155(1):215-9

Differential diagnosis of pancreatic cancer and chronic pancreatitis by a monoclonal antibody detecting a new cancer-associated antigen (CA 19-9). Malesci A, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):303-6

The diagnostic and prognostic value of peritoneal lavage in patients with acute pancreatitis. Mayer AD, et al. **Surg Gynecol Obstet** 1985 Jun;160(6):507-12

Ultrasonic measurement of the main pancreatic duct in healthy adults and patients with ampullary-pancreatic disorders. Lin JT, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Feb;84(2):212-21

A cystic lesion in a 55-year-old man [clinical conference] Amerian J, et al. **West J Med** 1985 Jul;143(1):74-9

[Computed tomography and echography in chronic pancreatitis and pancreatic carcinoma] Brailski Kh, et al. **Vutr Boles** 1984;23(6):17-21 (Eng. Abstr.) **(Bul)**

[Serum pancreatic polypeptide measurement in the diagnosis of chronic pancreatitis] Chen SP. **Chung Hua Nei Ko Tsa Chih** 1984 Jul;23(7):410-2, 461 (Eng. Abstr.) **(Chi)**

[Secretin test and its applications] Lu XH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):372-4 (Eng. Abstr.) **(Chi)**

[Chronic recurrent pancreatitis in children] Nielsen TL, et al. **Ugeskr Laeger** 1985 Apr 15;147(16):1340-1 (Eng. Abstr.) **(Dan)**

[Pleural exudate in pancreatitis--a differential diagnosis] Sørensen EV, et al. **Ugeskr Laeger** 1985 Mar 25; 147(13):1120-1 (Eng. Abstr.) **(Dan)**

[Acute pancreatitis and biochemical markers. Isoamylase] Brault D, et al. **Pathol Biol (Paris)** 1985 Mar;33(3):195-9 (Eng. Abstr.) **(Fre)**

[Detection of hyperamylasuria. Value of a quick test] Vernet Nyssen M, et al. **Presse Med** 1985 Apr 27;14(17):976-7 (Eng. Abstr.) **(Fre)**

[Amylase and lipase as reference values for the differential diagnosis of chronic kidney failure and pancreatitis] Mähr G, et al. **Acta Med Austriaca** 1985;12(2):51-7 (Eng. Abstr.) **(Ger)**

[Correlation of clinical and computed tomographic findings for therapy and prognosis of acute pancreatitis] Becker H, et al. **Chirurg** 1985 Jun;56(6):386-92 (Eng. Abstr.) **(Ger)**

[Diagnosis of necrotizing pancreatitis. Comparison between contrast medium-computed tomography and ultrasonics in a clinical study] Block S, et al. **Dtsch Med Wochenschr** 1985 May 24;110(21):826-32 (Eng. Abstr.) **(Ger)**

[Supervision and follow-up diagnosis in chronic pancreatitis] Fölsch UR. **Dtsch Med Wochenschr** 1984 Sep 28; 109(39):1489-90 **(Ger)**

[Hemorrhagic necrotizing pancreatitis and imaging procedures] Kümmerle F, et al. **Dtsch Med Wochenschr** 1985 Apr 4;110(14):534-9 (Eng. Abstr.) **(Ger)**

[Diagnosis of chronic pancreatitis] Sommer H. **Lebensversicherungsmedizin** 1984 Aug 27;36(7):149-51 (Eng. Abstr.) **(Ger)**

[Chronic pancreatitis in childhood--case report of a sonographic course study] Handel H, et al. **Padiatr Grenzgeb** 1984;23(6):405-8 (Eng. Abstr.) **(Ger)**

[Diagnosis of chronic pancreatitis] Lang C, et al. **Ther Umsch** 1984 Sep;41(9):606-13 (36 ref.) (Eng. Abstr.) **(Ger)**

[Value of sonographic imaging of the pancreatic duct for the diagnosis of chronic pancreatitis and pancreatic cancer compared to ERCP] Gebel M, et al. **Ultraschall Med** 1985 Jun;6(3):127-30 **(Ger)**

[Sonographic visualization of the pancreatic duct before and after secretin stimulation: an aid in the diagnosis of chronic pancreatitis] Glaser J, et al. **Ultraschall Med** 1985 Apr; 6(2):106-9 (Eng. Abstr.) **(Ger)**

[Chronic pancreatitis: sensitivity, specificity and predictive value of the pancreolauryl test] Freise J, et al. **Z Gastroenterol** 1984 Dec;22(12):705-12 (Eng. Abstr.) **(Ger)**

[Acute pancreatitis] Mizuno T. **Rinsho Hoshasen** 1985 Mar; 30(3):397-8 **(Jpn)**

[Clinical and radiographic symptoms of pancreatic neoplasms and pancreatitis] Jabłońska-Kaszewska I, et al. **Pol Tyg Lek** 1984 Sep 10;39(37):1217-23 (Eng. Abstr.) **(Pol)**

[Clinical value of the analysis of amylase isoenzymes in the blood and urine of patients wih cholelithiasis without acute pancreatitis] Umińska H, et al. **Pol Tyg Lek** 1985 Mar 18; 40(11):333-6 (Eng. Abstr.) **(Pol)**

[Diagnosis of acute pancreatitis in everyday clinical practice] Krzewicki J. **Wiad Lek** 1984 Oct 1;37(19):1494-501 (Eng. Abstr.) **(Pol)**

[Gastric bezoar simulating acute pancreatitis] Erofeev IuI. **Khirurgiia (Mosk)** 1984 Dec;(12):125-6 **(Rus)**

[Diagnostic and therapeutic gastroduodenoscopy in acute pancreatitis] Shapoval'iants SG. **Khirurgiia (Mosk)** 1985 Jan;(1):55-8 (Eng. Abstr.) **(Rus)**

[Lactate dehydrogenase enzymes and isoenzymes in the diagnosis of forms of acute and postoperative pancreatitis] Trunin MA, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):50-5 (Eng. Abstr.) **(Rus)**

[Pure pancreatic juice in the diagnosis of chronic pancreatitis] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):86-8 **(Rus)**

[Ultrasonic diagnosis of different forms of acute and chronic pancreatitis] Zatevakhin II, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):88-92 **(Rus)**

[Errors in the diagnosis of destructive forms of acute pancreatitis] Zemskov VS, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):99-102 **(Rus)**

[Differential diagnosis of the forms of acute pancreatitis] Pokid'ko IA, et al. **Klin Khir** 1984 Nov;(11):25 (Eng. Abstr.) **(Rus)**

[Liquid-crystal thermography in the diagnosis of acute postoperative pancreatitis] Radzikhovskiĭ AP, et al. **Klin Khir** 1985 May;(5):69 **(Rus)**

[Diagnosis and treatment of acute pancreatitis] Taranenko LD, et al. **Klin Med (Mosk)** 1985 Jan;63(1):102-6 (Eng. Abstr.) **(Rus)**

[Neurologic manifestations in acute pancreatitis] Eroknina LG, et al. **Sov Med** 1985;(2):108-11 **(Rus)**

[Laparoscopic diagnosis of early complications of abdominal surgery] Sokolov LK, et al. **Sov Med** 1984;(7):96-9 **(Rus)**

[Chronic pancreatitis] Tsimmerman IaS. **Sov Med** 1985; (4):41-6 **(Rus)**

[Inflammation of ectopic pancreatic tissue] Titov RI, et al. **Vestn Khir** 1984 Nov;133(11):76-7 **(Rus)**

[Diagnostic value of one-dimensional echoscopy of the pancreas] Dotsenko NIa, et al. **Vrach Delo** 1985 May; (5):34-6 (Eng. Abstr.) **(Rus)**

[Inflammatory and neoplastic diseases of the pancreas. Review of their differential diagnosis] Glišić Lj, et al. **Srp Arh Celok Lek** 1983 Sep-Oct;111(9-10):1293-310 (Eng. Abstr.) **(Scc)**

[Chronic calcified pancreatitis. Our experience] Parodi HC, et al. **Acta Gastroenterol Latinoam** 1984;14(1):1-12 (Eng. Abstr.) **(Spa)**

[Limitations of echographic exploration of the pancreas (letter)] Sillero C, et al. **Med Clin (Barc)** 1985 Feb 2; 84(4):167 **(Spa)**

[Cytolysis and cholestasis in the etiologic diagnosis of acute pancreatitis. Apropos of 92 cases] Chimpén Ruiz V, et al. **Rev Clin Esp** 1985 Mar;176(5):227-8 (Eng. Abstr.) **(Spa)**

[Comparative study between the Lundh test and fecal chymotrypsin in chronic pancreatitis] de las Heras G, et al. **Rev Esp Enferm Apar Dig** 1985 Jan;67(1):57-61 (Eng. Abstr.) **(Spa)**

[Acute pancreatitis (laboratory study)] Pérez Roura NE. **Rev Fac Cien Med Univ Nac Cordoba** 1983;41(3-4):30-2 (Eng. Abstr.) **(Spa)**

[The fluorescein dilaurate test in the diagnosis of chronic pancreatitis] Robles-Díaz G, et al. **Rev Gastroenterol Mex** 1984 Oct-Dec;49(4):215-9 (Eng. Abstr.) **(Spa)**

DIET THERAPY

[Concentrations of bile acids in serum, urine and feces in patients with gastrointestinal diseases. Effect of peptide diet in comparison with a normal diet] Krzyzanowski W, et al. **Fortschr Med** 1984 Dec 13;102(46):1190-2 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Ftorafur therapy in acute pancreatitis. Hudvágner S, et al. **Acta Physiol Hung** 1984;64(3-4):485-8

The effect of 5-fluorouracil on experimental acute pancreatitis. Illényi L, et al. **Acta Physiol Hung** 1984; 64(3-4):479-83

Acute and chronic pancreatitis. An update on management. Lankisch PG. **Drugs** 1984 Dec;28(6):554-64 (76 ref.)

A controlled study on the use of intravenous fat in patients suffering from acute attacks of pancreatitis. Dürr GH, et al. **Infusionsther Klin Ernahr** 1985 Jun;12(3):128-33

The effect of phenylbutazone on acute hemorrhagic pancreatitis in the rat. Louagie Y, et al. **Int Surg** 1984 Jul-Sep;69(3):265-70

Preliminary observations on application of ethibloc in necrohemorrhagic acute pancreatitis in humans. Torino FD, et al. **Mt Sinai J Med (NY)** 1985 May;52(5):343-6

Oral foy in the treatment of chronic pancreatitis. Brackmann P, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):435-7

A randomized double-blind study using CaNa2EDTA, a phospholipase A2 inhibitor, in the management of human acute pancreatitis. Tykkä HT, et al. **Scand J Gastroenterol** 1985 Jan;20(1):5-12

Crystalloid versus colloid resuscitation in experimental hemorrhagic pancreatitis. Martin DT, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):445-9

[Treatment of acute pancreatitis (letter)] **Orv Hetil** 1985 Feb 10;126(6):363-4 **(Hun)**

[Pharmacological studies of FUT-175, nafamstat mesilate. II. Effects on experimental acute pancreatitis] Iwaki M, et al. **Nippon Yakurigaku Zasshi** 1984 Oct;84(4):363-72 (Eng. Abstr.) **(Jpn)**

[Use of electrocumulation of 5-fluorouracil in treating acute experimental pancreatitis] Mironov VI, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):147-9 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effectiveness of forced intra-arterial and intravenous diuresis in acute pancreatitis] Laptev VV, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):15-20 (Eng. Abstr.) **(Rus)**

[Treatment of chronic pancreatitis patients] Loginov AS, et al. **Ter Arkh** 1984;56(9):8-14 **(Rus)**

ENZYMOLOGY

The role of enzymes in acute pancreatitis [letter] Keynes WM. **Ann Surg** 1985 Apr;201(4):534-5

Radioimmunoassay of active pancreatic enzymes in sera from patients with acute pancreatitis. I. Active carboxypeptidase B. Delk AS, et al. **Clin Chem** 1985 Aug;31(8):1294-300

Immunoreactive phospholipase A2 in serum in acute pancreatitis and pancreatic cancer. Nevalainen TJ, et al. **Clin Chem** 1985 Jul;31(7):1116–20

Fluorometric assay for phospholipase A2 in serum. Thuren T, et al. **Clin Chem** 1985 May;31(5):714–7

Increased interdigestive pancreatic trypsin secretion in alcoholic pancreatic disease. Brugge WR, et al. **Dig Dis Sci** 1985 May;30(5):431–9

Serum amylase in pancreatitis [letter] Spechler SJ, et al. **Dig Dis Sci** 1985 Jan;30(1):92–3

Pancreatitis. The role of lysosomes. Steer ML, et al. **Dig Dis Sci** 1984 Oct;29(10):934–8 (22 ref.)

A child with acute pancreatitis and recurrent hypoglycemia due to 3–hydroxy–3–methylglutaryl–CoA lyase deficiency. Wilson WG, et al. **Eur J Pediatr** 1984 Sep;142(4):289–91

Enzyme transfer from pancreas to plasma during acute pancreatitis. The contribution of ascitic fluid and lymphatic drainage of the pancreas. Mayer AD, et al. **Gut** 1985 Sep; 26(9):876–81

The role of phospholipase A2 in respiratory failure of acute pancreatitis. Schuppisser JP, et al. **Helv Chir Acta** 1985 Jan;51(6):665–7

Detection of low molecular weight urokinase in plasma of patient with acute pancreatitis followed by disseminated intravascular coagulation. Takasugi S, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):265–9

On the role of the pancreatic secretory trypsin inhibitor as an inactivator of trypsin–alpha 2–macroglobulin complexes in acute pancreatitis. Balldin G, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jul;365(7):751–6

Serum elastase 1 in chronic pancreatic disease. Del Favero G, et al. **Klin Wochenschr** 1985 Jul 1;63(13):603–6

Monitoring amylase [letter] Keynes M. **Lancet** 1985 Jun 15; 1(8442):1397

Value of monitoring amylase activities in patients with pancreatitis [letter] Nordback I. **Lancet** 1985 May 11; 1(8437):1092

Phospholipase–A1 and –A2 in experimental acute pancreatitis in rats. Hölbling N, et al. **Res Exp Med (Berl)** 1985; 185(2):131–7

Trypsin–alpha 1–protease inhibitor complexes in serum and clinical course of acute pancreatitis. Borgström A, et al. **Scand J Gastroenterol** 1984 Nov;19(8):1119–22

Pancreatic enzyme synthesis in pancreatic disease. Boyd EJ, et al. **Scand J Gastroenterol** 1985 Aug;20(6):734–40

Stimulated protein kinase activity during acute pancreatitis in rats. Possible mediation by proteolysis, lipolysis, and bile salts. Holian O, et al. **Scand J Gastroenterol** 1985 Jun; 20(5):617–22

Postoperative hyperamylasemia, pancreatitis, and primary hyperparathyroidism. Watson RG, et al. **Surgery** 1984 Dec; 96(6):1151–7

Pancreatic lysosomal hydrolases in acute experimental pancreatitis in dogs. Brzozowski J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(6):350–9

[Early prognostic value of levels of 6 pancreatic enzymes in blood and peritoneal fluid in acute pancreatitis] Robert J, et al. **Helv Chir Acta** 1985 Jan;51(6):669–73 (Eng. Abstr.) **(Fre)**

[Clinical relevance of immunochemical determination of pancreatic lipase in chronic pancreatitis] Malfertheiner P, et al. **Klin Wochenschr** 1985 Jan 2;63(1):43–8 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of measurement of pancreatic enzyme synthesis activity in chronic pancreatitis] Suzuki T, et al. **Kaku Igaku** 1985 Mar;22(3):299–306 (Eng. Abstr.) **(Jpn)**

[Experimental studies on pathophysiology of acute pancreatitis, with special reference to pancreatic phospholipase A2 and the effect of CDP–choline] Kosaka A. **Nippon Geka Hokan** 1984 May 1;53(3):497–510 (Eng. Abstr.) **(Jpn)**

[Usefulness of determining amylase isoenzymes in the blood and urine in acute pancreatitis] Tomaszewski L, et al. **Pol Tyg Lek** 1984 May 7;39(19):629–33 **(Pol)**

[The serum enzymogram for the evaluation of the effectiveness of hemosorption in patients with acute destructive pancreatitis] Lur'e BL, et al. **Ter Arkh** 1984; 56(11):68–70 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pancreas divisum: a teenager with calculi in the duct of Santorini. Report of a case treated by double drainage procedure. Yvergneaux JP, et al. **Acta Chir Belg** 1985 Jan–Feb;85(1):67–70

Occult gallbladder microlithiasis causing acute recurrent pancreatitis. A report of three cases. Negro P, et al. **Acta Chir Scand** 1984;150(6):503–6

Pancreas divisum with pancreatitis and pseudocyst. Gold RP, et al. **AJR** 1984 Dec;143(6):1343–4

Relapsing acute pancreatitis as the presenting manifestation of an ampullary neoplasm in a patient with familial polyposis coli. Berk T, et al. **Am J Gastroenterol** 1985 Aug; 80(8):627–9

Acute pancreatitis after cardiopulmonary bypass. Haas GS, et al. **Am J Surg** 1985 Apr;149(4):508–15

Hemorrhagic pancreatitis: a complication of transcatheter embolization treated successfully by total pancreatectomy. Miller RE, et al. **Am J Surg** 1985 Jun;149(6):802–8

Experimental ischemic pancreatitis: treatment with albumin. Sanfey H, et al. **Am J Surg** 1985 Sep;150(3):297–300

Pancreatitis and diabetes mellitus with metastatic pulmonary oat–cell carcinoma [letter] Schmitt JK. **Ann Intern Med** 1985 Oct;103(4):638–9

Duodenojejunostomy for the pancreaticobiliary complications of duodenal diverticulum. Critchlow JF, et al. **Ann Surg** 1985 Jul;202(1):56–8

Gallstone pancreatitis. Local predisposing factors. Kelly TR. **Ann Surg** 1984 Oct;200(4):479–85

Biochemical identification of patients with gallstones associated with acute pancreatitis on the day of admission to hospital. Mayer AD, et al. **Ann Surg** 1985 Jan; 201(1):68–75

Problem of identifying patients with gallstone–induced pancreatitis based on biochemical and/or clinical criteria [letter] Neoptolemos JP, et al. **Ann Surg** 1984 Nov; 200(5):680–2

The pathogenesis of acute pancreatitis. The source and role of oxygen–derived free radicals in three different experimental models. Sanfey H, et al. **Ann Surg** 1985 May; 201(5):633–9

The role of oxygen–derived free radicals in the pathogenesis of acute pancreatitis. Sanfey H, et al. **Ann Surg** 1984 Oct; 200(4):405–13

A prospective study of hyperamylasemia and pancreatitis after cardiopulmonary bypass. Svensson LG, et al. **Ann Thorac Surg** 1985 May;39(5):409–11

Relapsing acute and chronic pancreatitis. Forbes A, et al. **Arch Dis Child** 1984 Oct;59(10):927–34

Gastric trichobezoar associated with transient pancreatitis. Shawis RN, et al. **Arch Dis Child** 1984 Oct;59(10):994–5

Bile pancreatitis. Suda K, et al. **Arch Pathol Lab Med** 1985 May;109(5):433–6

The EMC–virus induced insulitis . A sign of autoimmunity. Müntefering H. **Behring Inst Mitt** 1984 Jul;(75):9–16

The biliary tract in patients with acute gallstone pancreatitis. Armstrong CP, et al. **Br J Surg** 1985 Jul;72(7):551–5

Hyperlipidaemia, alcohol abuse and acute pancreatitis. Dickson AP, et al. **Br J Surg** 1984 Sep;71(9):685–8

Surgically correctable recurring pancreatitis. Waldron R, et al. **Br J Surg** 1985 Mar;72(3):203

Pancreatitis in sarcoidosis. McCormick PA, et al. **Br Med J [Clin Res]** 1985 May 18;290(6480):1472–3

Possible role of lysolecithins and nonesterified fatty acids in the pathogenesis of Reye's syndrome, sudden infant death syndrome, acute pancreatitis, and diabetic ketoacidosis. Shaw W. **Clin Chem** 1985 Jul;31(7):1109–15

Pancreas divisum. A cause of chronic relapsing pancreatitis. Marshall JB, et al. **Dig Dis Sci** 1985 Jun;30(6):582–7

Nutritional data and etiology of chronic pancreatitis in Mexico. Uscanga L, et al. **Dig Dis Sci** 1985 Feb;30(2):110–3

A hierarchic approach for experimental investigations into the pathogenesis of acute pancreatitis. Letko G, et al. **Dtsch Z Verdau Stoffwechselkr** 1985;45(2):59–67

Abdominal infections caused by Streptococcus pneumoniae [letter] Denis F, et al. **Eur J Clin Microbiol** 1984 Oct; 3(5):443

Acute pancreatitis in Legionnaires' disease. Michel O, et al. **Eur J Respir Dis** 1985 Jan;66(1):62–4

Relapsing pancreatitis associated with duodenal wall cysts. Diagnostic approach and treatment. Holstege A, et al. **Gastroenterology** 1985 Mar;88(3):814–9

Hyperamylasemia after ERCP with ionic and non–ionic contrast media [letter] Hannigan BF, et al. **Gastrointest Endosc** 1985 Apr;31(2):109–10

Detection of gall stones after acute pancreatitis. Goodman AJ, et al. **Gut** 1985 Feb;26(2):125–32

Diet and drinking habits in relation to the development of alcoholic pancreatitis. Wilson JS, et al. **Gut** 1985 Sep; 26(9):882–7

Etiology and pathogenesis of chronic pancreatitis. Greenberger NJ. **Hosp Pract [Off]** 1985 Sep 15;20(9):83–90

Recurrent acute pancreatitis. Toskes PP. **Hosp Pract [Off]** 1985 Jul 15;20(7):85–92

Primary common bile duct stones and recurrent pancreatitis. Patel NM. **IMJ** 1984 Dec;166(6):432–3

Management of pancreatic pseudocysts in chronic alcoholic pancreatitis with duct dilatation. da Cunha JE, et al. **Int Surg** 1985 Jan–Mar;70(1):53–6

Hyperamylasaemia following extracorporeal perfusion. Given F, et al. **Ir J Med Sci** 1984 Jun;153(6):203–7

Exploration of the biliary system in recurrent acute pancreatitis of undetermined etiology despite normal cholecystography. Milgalter E, et al. **J Clin Gastroenterol** 1985 Feb;7(1):45–9

The role of pancreatobiliary duct anatomy in the etiology of alcoholic pancreatitis. Yatto RP, et al. **J Clin Gastroenterol** 1984 Oct;6(5):419–23

Experimental study of the pathogenesis of choledochal cyst and pancreatitis, with special reference to the role of bile acids and pancreatic enzymes in the anomalous choledocho–pancreatico ductal junction. Yamashiro Y, et al. **J Pediatr Gastroenterol Nutr** 1984 Nov;3(5):721–7

Pancreas divisum: a cause of pancreatitis in childhood. Yedlin ST, et al. **J Pediatr Surg** 1984 Dec;19(6):793–4

Hemorrhagic acalculous cholecystitis causing acute pancreatitis after trauma. Wagner DS, et al. **J Trauma** 1985 Mar;25(3):253–6

Severe acute pancreatitis caused by parasites in the common bile duct. Choi TK, et al. **J Trop Med Hyg** 1984 Oct; 87(5):211–4

The natural history of alcoholic pancreatitis: update 1985. Dreiling DA, et al. **Mt Sinai J Med (NY)** 1985 May; 52(5):340–2

Stress, pancreatic perfusion, and acute pancreatitis: a unified concept of pathogenesis. Kaplan MH. **Mt Sinai J Med (NY)** 1985 May;52(5):326–30

Shock and terminal pancreatitis. Becker V, et al. **Pathol Res Pract** 1985 Mar;179(4–5):512–6

Acute pancreatitis in association with small cell lung carcinoma: potential pitfall in diagnosis and management. Allan SG, et al. **Postgrad Med J** 1985 Jul;61(717):643–4

Acute pancreatitis and gastric dilatation in a patient with anorexia nervosa. Backett SA. **Postgrad Med J** 1985 Jan; 61(711):39–40

Acute pancreatitis and Cushing's syndrome. Clague HW, et al. **Postgrad Med J** 1984 Sep;60(707):618–20

Chronic pancreatitis in patients with sclerosing cholangitis and ulcerative colitis. Børkje B, et al. **Scand J Gastroenterol** 1985 May;20(4):539–42

Acute pancreatitis possibly caused by Legionella micdadei. Arneborn P, et al. **Scand J Infect Dis** 1985;17(2):229–31

Biliary ascariasis. Capallo DV, et al. **South Med J** 1984 Sep; 77(9):1201–2

Pancreatitis after cardiac and cardiopulmonary transplantation. Aziz S, et al. **Surgery** 1985 Jun;97(6):653–61

Recurrent pseudocysts and pancreatitis after trauma: a complication of pancreas divisum. Cobb BW, et al. **Surgery** 1985 May;97(5):626–9

[Experimental model of splanchnic lymphostasis. Induction of chronic pancreatopathy] Bartoš V, et al. **Cas Lek Cesk** 1985 Aug 9;124(32):1003–6 (Eng. Abstr.) **(Cze)**

[Recurrent dermohypodermatitis and edematous pancreatitis preceding the digestive manifestations of Crohn's disease] Jeanmougin M, et al. **Ann Dermatol Venereol** 1984; 111(8):709–10 **(Fre)**

[Intraperitoneal dirofilariasis] Delage A, et al. **Bull Soc Pathol Exot Filiales** 1984;77(5):678–85 (Eng. Abstr.) **(Fre)**

[Chronic pancreatitis and pancreas divisum. Apropos of 3 cases treated surgically] Bousquet R, et al. **Chirurgie** 1984; 110(4):425–9 (Eng. Abstr.) **(Fre)**

[Acute pancreatitis disclosing rupture of a hydatid cyst of the liver into the bile ducts. Value of associated eosinophil cholecystitis (letter)] Veyrac M, et al. **Gastroenterol Clin Biol** 1985 Mar;9(3):271–2 **(Fre)**

[Radiology in the diagnosis of complicated forms of annular pancreas in adults] Bernard C, et al. **J Radiol** 1984 Dec; 65(12):839–43 (Eng. Abstr.) **(Fre)**

[Isolated acinus cells in the significance of ischemia in the pathogenesis of acute pancreatitis] Letko G, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(4):216–24 (Eng. Abstr.) **(Ger)**

[Complications of cardiopulmonary resuscitation] Krohn CD, et al. **Tidsskr Nor Laegeforen** 1984 Nov 20;104(32):2253–4 (Eng. Abstr.) **(Nor)**

[Acute pancreatitis associated with gastric duplication in a child] Machado MC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Nov–Dec; 39(6):268–71 (Eng. Abstr.) **(Por)**

[Insulin secretion and pancreatojejunal diversion in patients with chronic alcoholic pancreatitis] Penteado S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Sep–Oct; 39(5):223–6 (Eng. Abstr.) **(Por)**

[The development of suppurative pancreatitis] Cherviak PI, et al. **Klin Khir** 1984 Nov;(11):5–6 (Eng. Abstr.) **(Rus)**

[Phlegmon of the duodenum as a complication of an ulcer perforating into the head of the pancreas] Chislovskiĭ VK, et al. **Klin Khir** 1984 Nov;(11):63 **(Rus)**

[Role of coagulating and anticoagulating blood factors in the pathogenesis of acute postoperative pancreatitis] Lupal'tsov VI, et al. **Klin Khir** 1984 Nov;(11):6–8 (Eng. Abstr.) **(Rus)**

[Causes of the development and clinical forms of acute biliary pancreatitis] Tomashuk IP, et al. **Klin Khir** 1985 May;(5):70 **(Rus)**

[Various characteristics of chronic ischemic pancreatitis] Abulov MKh, et al. **Ter Arkh** 1984;56(11):65–7 (Eng. Abstr.) **(Rus)**

[Traumatic suppurative–necrotic pancreatitis] Filin VI, et al. **Vestn Khir** 1984 Sep;133(9):80–6 (Eng. Abstr.) **(Rus)**

[Risk factors in the development of acute postoperative pancreatitis] Shalimov SA, et al. **Vestn Khir** 1984 Nov; 133(11):124–8 **(Rus)**

[Recurrent pancreatitis as the first manifestation of a carcinoma of the periampullary region (letter)] Pedro–Botet Montoya J, et al. **Med Clin (Barc)** 1984 Dec 8;83(19):823–4 **(Spa)**

[Comparative study between alcoholic pancreatitis and acute pancreatitis of other etiologies] Tiberio G, et al. **Rev Esp Enferm Apar Dig** 1985 Mar;67(3):259–64 (Eng. Abstr.) **(Spa)**

[Clinico–pathological features of chronic pancreatitis. I. Etiology] Uscanga L, et al. **Rev Gastroenterol Mex** 1984 Oct–Dec;49(4):221–5 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial chronic calcific pancreatitis: a family study. Dalton–Clarke HJ, et al. **Br J Surg** 1985 Apr;72(4):307–8

Hereditary pancreatitis. Presentation of an additional family. Layer P, et al. **Hepatogastroenterology** 1985 Feb;32(1):31–3

[Hereditary chronic calcifying pancreatitis] Horstkotte H, et al. **Dtsch Med Wochenschr** 1985 May 10;110(19):753–8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Correlation among complement activation, protease inhibitors, and clinical course in acute pancreatitis in man. Lasson A, et al. **Scand J Gastroenterol** 1985 Apr; 20(3):335–45

[Serum immunoreactive trypsin in chronic pancreatitis patients] Tŭrkolev N, et al. **Vutr Boles** 1985;24(1):36–40 (Eng. Abstr.) **(Bul)**

[Importance of the tumor-associated antigen CA 19–9 in the differential diagnosis of pancreatic diseases] Heptner G, et al. **Dtsch Med Wochenschr** 1985 Apr 19;110(16):624–8 (Eng. Abstr.) **(Ger)**

[The pancreas as target organ for hepatitis B virus--immunohistological detection of HBsAg in pancreatic carcinoma and chronic pancreatitis] Hohenberger P. **Leber Magen Darm** 1985 Mar;15(2):58–63 (Eng. Abstr.) **(Ger)**

[Gastrointestinal cancer antigen and carcinoembryonic antigen in chronic pancreatopathies and pancreatic tumors] Piantino P, et al. **Minerva Med** 1985 Jul 14; 76(28–29):1331–4 (Eng. Abstr.) **(Ita)**

[The immunological profile of patients with chronic recurrent pancreatitis] Voitko NE, et al. **Sov Med** 1985;(4):24–8 (Eng. Abstr.) **(Rus)**

[Immunopositive and immunonegative forms of chronic pancreatitis] Zhukov NA, et al. **Ter Arkh** 1985;57(2):89–91 (Eng. Abstr.) **(Rus)**

METABOLISM

The kallikrein-kinin system in operated and non-operated patients with acute pancreatitis. Hiltunen J, et al. **Acta Chir Scand** 1985;151(4):371–5

Biochemical changes induced by Coxsackie B4 virus in short-term culture of mouse pancreatic islets. Szopa TM, et al. **Biosci Rep** 1985 Jan;5(1):63–9

Amino acid concentrations in plasma and skeletal muscle of patients with acute hemorrhagic necrotizing pancreatitis. Roth E, et al. **Clin Chem** 1985 Aug;31(8):1305–9

Human pancreatic secretory protein profiles in pancreas cancer and chronic pancreatitis. White TT, et al. **Dig Dis Sci** 1985 Mar;30(3):200–3

Citrate and calcium secretion in the pure human pancreatic juice of alcoholic and nonalcoholic men and of chronic pancreatitis patients. Boustière C, et al. **Digestion** 1985; 32(1):1–9

Proteinases and inhibitors in plasma and peritoneal exudate in acute pancreatitis. Wendt P, et al. **Hepatogastroenterology** 1984 Dec;31(6):277–81

Aprotinin turn-over studies in dog and in man with severe acute pancreatitis. Balldin G, et al. **Hoppe Seylers Z Physiol Chem** 1984 Dec;365(12):1417–23

Soft tissue calcium and magnesium content in acute pancreatitis in the dog: calcium accumulation, a mechanism for hypocalcemia in acute pancreatitis. Bhattacharya SK, et al. **J Lab Clin Med** 1985 Apr;105(4):422–7

Lactoferrin in pure pancreatic juice. Nicolai JJ, et al. **Scand J Gastroenterol** 1984 Sep;19(6):765–9

[Prostaglandins and acute pancreatitis] Ebbehøj N, et al. **Ugeskr Laeger** 1985 Jan 14;147(3):160–3 (Eng. Abstr.) **(Dan)**

[Insulin determination in pure pancreatic juice following secretin-pancreozymin stimulation] Neymeyer HG, et al. **Z Med Lab Diagn** 1984;25(8):455 **(Ger)**

[Pancreatic diseases and abnormal bile acids] Nakamura T, et al. **Nippon Rinsho** 1984 Jul;42(7):1632–8 **(Jpn)**

[Studies of albumin with double peaks. III. Relationship between double-peaked albumin of the pleural effusion and proteolytic enzymes of the pancreas] Senju O, et al. **Rinsho Byori** 1984 Oct;32(10):1143–7 **(Jpn)**

[Endocrine function of the pancreas in acute pancreatitis] Iakhontova OI, et al. **Klin Med (Mosk)** 1985 Mar;63(3):60–4 (Eng. Abstr.) **(Rus)**

[Clinical significance of various metabolic disorders in patients with chronic pancreatitis] Geller LI, et al. **Ter Arkh** 1984;56(11):70–2 (Eng. Abstr.) **(Rus)**

[Levels of biogenic amines in the salivary and lacrimal glands in experimental staphylococcal pancreatitis in rats] Mikhaĭlov VV, et al. **Vopr Med Khim** 1984 Jul–Aug; 30(4):51–3 (Eng. Abstr.) **(Rus)**

[Behavior of the secretion of pancreatic polypeptide by the PP cell in acute pancreatitis] de Diego Carmona JA, et al. **Rev Esp Enferm Apar Dig** 1985 Feb;67(2):160–4 (Eng. Abstr.) **(Spa)**

MORTALITY

Death due to acute pancreatitis. A retrospective analysis of 405 autopsy cases. Renner IG, et al. **Dig Dis Sci** 1985 Oct; 30(10):1005–18 (70 ref.)

[Case of maternal and fetal death caused by acute pancreatitis] Krzewicki J, et al. **Wiad Lek** 1985 Feb 1; 38(3):241–3 (Eng. Abstr.) **(Pol)**

NURSING

[Pre- and postoperative nursing care for patients with acute hemorrhagic necrotic pancreatitis] Mei YW. **Chung Hua Hu Li Tsa Chih** 1984 Aug;19(4):204–6 **(Chi)**

OCCURRENCE

Acute pancreatitis in Algeria. Report of 221 Cases. Hammad A, et al. **Am J Surg** 1985 Jun;149(6):709–11

Acute pancreatitis: a lethal disease of increasing incidence. Corfield AP, et al. **Gut** 1985 Jul;26(7):724–9

Acute pancreatitis in north and north-east Scotland. Thomson HJ. **J R Coll Surg Edinb** 1985 Apr;30(2):104–11

Cassava pancreatitis in western Europe [letter] Assan R, et al. **Lancet** 1984 Dec 1;2(8414):1278

[Acute pancreatitis in urban and rural regions] Hallingskog LM, et al. **Ugeskr Laeger** 1985 Jun 3;147(23):1845–7 (Eng. Abstr.) **(Dan)**

[Acute postoperative pancreatitis in stomach and duodenal surgery] Chernousov AF, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):71–4 **(Rus)**

[Incidence of inflammatory pancreatic injuries in 1,131 necropsies] Pérez-Lozana JR, et al. **Rev Esp Enferm Apar Dig** 1984 Jul;66(1):33–7 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

[Pancreatitis caused by Ascaris lumbricoides (letter)] Torre Carballada JA, et al. **Med Clin (Barc)** 1984 Jun 23; 83(4):178–9 **(Spa)**

PATHOLOGY

Fatal ruptured duodenal varix: a case report and review of literature. Amin R, et al. **Am J Gastroenterol** 1985 Jan; 80(1):13–8

Determination of necrosis in necrotizing pancreatitis. Nordback I, et al. **Br J Surg** 1985 Mar;72(3):225–7

Neuropathology of chronic pancreatitis in humans. Keith RG, et al. **Can J Surg** 1985 May;28(3):207–11

CT guided percutaneous fine-needle biopsy of the pancreas. Lüning M, et al. **Eur J Radiol** 1985 May;5(2):104–8

Pulmonary vascular injury in pancreatitis: evidence for a major role played by pancreatic elastase. Lungarella G, et al. **Exp Mol Pathol** 1985 Feb;42(1):44–59

Caerulein-induced acute necrotizing pancreatitis in mice: protective effects of proglumide, benzotript, and secretin. Niederau C, et al. **Gastroenterology** 1985 May;88(5 Pt 1):1192–204

Relationship between insulin secretion and pancreas morphology in subjects with chronic pancreatitis. Zander E, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:149–54

Chronic calcifying pancreatitis. Sarles H. **Scand J Gastroenterol** 1985 Aug;20(6):651–9 (95 ref.)

[The effect of new oligopeptide elastase inhibitors in acute experimental pancreatitis in the rat] Frič P, et al. **Cas Lek Cesk** 1985 Jan 11;124(2):41–5 (Eng. Abstr.) **(Cze)**

[Acute pancreatitis and respiratory complications. An experimental study] Cavin R, et al. **Helv Chir Acta** 1985 Jan;51(6):675–7 (Eng. Abstr.) **(Fre)**

[Chronic pancreatitis. Morphology and pathogenesis] Becker V. **Lebensversicherungsmedizin** 1984 Aug 27;36(7):146–9 (Eng. Abstr.) **(Ger)**

[Lipolytic liver tissue necrosis in pancreatitis] Bettendorf U. **Pathologe** 1985 May;6(3):158–60 **(Ger)**

[Groove pancreatitis--its pathological anatomy and sonographic findings] Seitz K, et al. **Ultraschall Med** 1985 Jun;6(3):131–3 (Eng. Abstr.) **(Ger)**

[Acute pancreatitis and the lung--a comparative study with lung lesions induced by trypsin infusion] Natsume T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Aug; 22(8):666–75 (Eng. Abstr.) **(Jpn)**

[Experimental studies on acute gastric mucosal lesions accompanied with acute pancreatitis] Okada M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Oct;81(10):2568–76 (Eng. Abstr.) **(Jpn)**

[A clinicopathological study on liver injury in patients with chronic alcoholic pancreatitis] Takeuchi K. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):2940–50 (Eng. Abstr.) **(Jpn)**

[Dynamics of the local pathological changes and the surgical procedure in necrotic forms of acute pancreatitis] Filin VI, et al. **Klin Khir** 1984 Nov;(11):47–50 **(Rus)**

[Ultrastructural changes in the liver in the early period of acute pancreatitis] Koval'chuk VI, et al. **Klin Khir** 1984 Nov;(11):38–9 (Eng. Abstr.) **(Rus)**

[Hemorrhagic pancreatic necrosis in the early puerperal period] Krivitskiĭ DI, et al. **Klin Khir** 1984 Nov;(11):60 **(Rus)**

[Morphological changes in the pancreas, liver and lungs in acute postoperative pancreatitis] Lupal'tsov VI, et al. **Klin Khir** 1984 Nov;(11):39–40 (Eng. Abstr.) **(Rus)**

[A case of atypical necrotic pancreatitis] Kirienko MG. **Vrach Delo** 1984 Sep;(9):38–40 **(Rus)**

[32-year-old male with abdominal pain, subcutaneous inflammation in the left inguinal region and acute ischemia of the left hand (clinical conference)] Piqué JM, et al. **Med Clin (Barc)** 1984 Oct 20;83(12):507–16 **(Spa)**

PHYSIOPATHOLOGY

Acute hemorrhagic pancreatitis in mice: A study of glucoregulatory hormones and glucose metabolism. Virji MA, et al. **Am J Pathol** 1985 Jan;118(1):162–7

Effectiveness of normal saline solution, dextran 40 or dextran 75, and aprotinin (Trasylol) on renal blood flow preservation during acute canine pancreatitis. Wells AD, et al. **Am J Surg** 1984 Nov;148(5):624–9

Excretion of cephalothin and cefamandole by the normal pancreas and in acute pancreatitis in dogs. Studley JG, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):262–5

Ascites, gastrointestinal bleeding, and leg nodules. Goldman MP. **Arch Dermatol** 1985 May;121(5):673–4, 676

Efficacy of pharmacologic glucagon in acute experimental pancreatitis. Eckhauser FE, et al. **Arch Surg** 1985 Mar; 120(3):355–60

Evidence for sphincter dysfunction in patients with gallstone associated pancreatitis: effect of ceruletide in patients undergoing cholecystectomy for gallbladder disease and gallstone associated pancreatitis. Cuschieri A, et al. **Br J Surg** 1984 Nov;71(11):885–8

Special problems of tropical pancreatitis. Pitchumoni CS. **Clin Gastroenterol** 1984 Sep;13(3):941–59 (48 ref.)

Epidemiology and physiopathology of chronic pancreatitis and the role of the pancreatic stone protein. Sarles H. **Clin Gastroenterol** 1984 Sep;13(3):895–912 (87 ref.)

Pulmonary physiologic response to central venous administration of hemorrhagic pancreatic ascitic fluid in a porcine model. Williams RS, et al. **Curr Surg** 1984 Sep–Oct;41(5):362–5

Long-term outcome of acute necrohemorrhagic pancreatitis. A 4-year follow-up. Angelini G, et al. **Digestion** 1984; 30(3):131–7

Endoscopic pancreatic and biliary manometry in pancreatic, biliary, and papillary disease, and after endoscopic sphincterotomy and surgical sphincteroplasty. Gregg JA, et al. **Gut** 1984 Nov;25(11):1247–54

Early prognosis of acute pancreatitis. Schuppisser JP, et al. **Helv Chir Acta** 1985 Jan;51(6):661–3

Beta-cell reserve capacity in chronic pancreatitis. Domschke S, et al. **Hepatogastroenterology** 1985 Feb;32(1):27–30

Small intestinal function in chronic relapsing pancreatitis. Lembcke B, et al. **Hepatogastroenterology** 1985 Jun; 32(3):149–51

Hormonal profile after insulin-induced hypoglycemia in chronic calcific pancreatitis. Pancreatic, pituitary and adrenal responses. Joffe BI, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:134–7

Canine left ventricular function during experimental pancreatitis. Goldfarb RD, et al. **J Surg Res** 1985 Feb; 38(2):125–33

Pancreatic duct and microvascular permeability to macromolecules. The relation to acute pancreatitis. Reber HA. **Scand J Gastroenterol [Suppl]** 1985;112:96–100

Factors that modify the effects of prostaglandin on diet-induced acute pancreatitis in mice. Taylor IL, et al. **Scand J Gastroenterol [Suppl]** 1985;112:101–5

A denervated pancreatic flap for control of chronic pain in pancreatitis. Warren WD, et al. **Surg Gynecol Obstet** 1984 Dec;159(6):581–3

Effect of prostaglandin blockers on ascites fluid in pancreatitis. Farias LR, et al. **Surgery** 1985 Sep;98(3):571–8

[Reduction of insulin reserves and exocrine pancreatic secretion in chronic pancreatitis] Stock KP, et al. **Dtsch Med Wochenschr** 1985 Jan 25;110(4):134–6 (Eng. Abstr.) **(Ger)**

[Acute pancreatitis. Risk predictors and the role of phospholipase A] Schuppisser JP. **Fortschr Med** 1985 Jul 4;103(25):673–4 (Eng. Abstr.) **(Ger)**

[Hemorrhagic pancreatitis: effect of dextran 40 and plasma on microcirculation disorders of the pancreas] Becker H, et al. **Langenbecks Arch Chir** 1985;365(1):57–67 (Eng. Abstr.) **(Ger)**

[The association of pancreatic endocrine dysfunction with carcinoma of the pancreas and chronic pancreatitis] Kuwahara Y. **Nippon Geka Gakkai Zasshi** 1985 Jan; 86(1):73–83 (Eng. Abstr.) **(Jpn)**

[Regional blood flow in the gastric and duodenal mucosa of patients with chronic pancreatitis] Diachuk IA, et al. **Vrach Delo** 1985 May;(5):33–4 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Vagotomy plus Bilroth II gastrectomy for the prevention of recurrent alcohol-induced pancreatitis. Stone HH, et al. **Ann Surg** 1985 Jun;201(6):684–9

Effects of somatostatin and a long-acting somatostatin analogue on the prevention and treatment of experimentally induced acute pancreatitis in the rat. Baxter JN, et al. **Br J Surg** 1985 May;72(5):382–5

[Clinical and biohumoral evaluation of the use of somatostatin after surgery in the biliary-pancreatic area] Purri P, et al. **Minerva Dietol Gastroenterol** 1985 Apr–Jun;31(2):105–7 (Eng. Abstr.) **(Ita)**

[Protective effect of alpha and beta adrenergic receptor blockaders in acute experimental pancreatitis in rats] Acalovschi I, et al. **Rev Chir [Chir]** 1984 Sep–Oct; 33(5):387–93 (Eng. Abstr.) **(Rum)**

[Prevention of incompetence of the duodenal stump and postoperative pancreatitis] Zherlov GK, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):92–5 **(Rus)**

[Prevention of traumatic pancreatitis in injuries of the pancreas] Tolstoĭ AD. **Vestn Khir** 1985 May;134(5):83–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Pancreatography in a family with hereditary pancreatitis. Mäkelä P, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Jan–Feb; 26(1):63–6

The clinical significance of contrast enhanced computed tomography in acute pancreatitis. Schröder T, et al. **Ann Chir Gynaecol** 1984;73(5):268–72

Development of gallstone pancreatitis. The role of the common channel. Police AM, et al. **Arch Surg** 1984 Nov; 119(11):1299-300

Pseudotumorous pancreatitis. Lammer J, et al. **Gastrointest Radiol** 1985;10(1):59-67

Pancreatography in chronic pancreatitis: international definitions. Axon AT, et al. **Gut** 1984 Oct;25(10):1107-12

Early detection of pancreatic lesions in chronic alcoholism: diagnostic accuracy of ERP. Testoni PA, et al. **J Clin Gastroenterol** 1984 Dec;6(6):519-23

Acute pancreatitis: prognostic value of CT. Balthazar EJ, et al. **Radiology** 1985 Sep;156(3):767-72

Complicated pancreatic inflammatory disease: diagnostic and therapeutic role of interventional radiology. vanSonnenberg E, et al. **Radiology** 1985 May;155(2):335-40

Computerized tomography in acute and chronic pancreatitis. Kalmar JA, et al. **South Med J** 1984 Nov;77(11):1393-5

[Endoscopic cholangio-Wirsungography in chronic pancreatitis. Re-evaluation of its merit] Pestiaux A, et al. **Rev Med Brux** 1984 Jun;5(6):391-400 (83 ref.) (Eng. Abstr.) **(Fre)**

[Computer tomogram of changes in pancreatic calcification during pancreatitis] Vogel H, et al. **Dtsch Z Verdau Stoffwechselkr** 1984;44(3):124-9 (Eng. Abstr.) **(Ger)**

[Endoscopic retrograde cholangiopancreatography in childhood] Tulassay Z, et al. **Orv Hetil** 1985 Aug 4; 126(31):1905-8 (Eng. Abstr.) **(Hun)**

[Evaluation of severity by whole body CT in acute pancreatitis--findings in early CT scanning and their enumeration] Hatakeyama G, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Mar;82(3):500-7 (Eng. Abstr.) **(Jpn)**

[Angiography in chronic pancreatitis] Kanazawa S, et al. **Rinsho Hoshasen** 1985 Jan;30(1):39-43 (Eng. Abstr.) **(Jpn)**

[Radiologic manifestations of acute pancreatitis] Essardas Daryanani H, et al. **Rev Clin Esp** 1985 Apr;176(7):346-8 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

High incidence of gastric reflux during hepatobiliary imaging in pancreatitis. Slavin JD, et al. **Clin Nucl Med** 1985 Jan; 10(1):5-6

[Radionuclide diagnosis of chronic pancreatitis] Khodarev NN. **Ter Arkh** 1985;57(2):95-100 **(Rus)**

RADIOTHERAPY

[Ultraviolet irradiation of the blood of acute pancreatitis patients] Filin VI, et al. **Klin Khir** 1984 Nov;(11):28-9 (Eng. Abstr.) **(Rus)**

[Use of intravascular low-energy laser irradiation of the blood in treating destructive pancreatitis] Zemskov VS, et al. **Klin Khir** 1984 Nov;(11):69 **(Rus)**

SURGERY

Experience of surgical treatment for chronic pancreatitis during a 10-year period. Arvidsson S, et al. **Acta Chir Scand** 1985;151(3):267-72

Transgastric drainage of pancreatic fluid collections. Nuñez D Jr, et al. **AJR** 1985 Oct;145(4):815-8

Surgical treatment of pancreatitis. Warshaw AL. **Ala J Med Sci** 1985 Jan;22(1):36-9

Surgical treatment of chronic pancreatitis. Brinton MH, et al. **Am J Surg** 1984 Dec;148(6):754-9

Pancreatic abscess: impact of computerized tomography on early diagnosis and surgery. Crass RA, et al. **Am J Surg** 1985 Jul;150(1):127-31

Choledochocele and recurrent pancreatitis. Diagnosis and surgical management. Greene FL, et al. **Am J Surg** 1985 Feb;149(2):306-9

Timing of surgery for acute biliary pancreatitis. Heij HA, et al. **Am J Surg** 1985 Mar;149(3):371-4

Early surgery for biliary pancreatitis. Mercer LC, et al. **Am J Surg** 1984 Dec;148(6):749-53

Conservation of pancreatic tissue by combined gastric, biliary, and pancreatic duct drainage for pain from chronic pancreatitis. Warshaw AL. **Am J Surg** 1985 Apr; 149(4):563-9

Experience with sphincteroplasty and sphincterotomy in pancreatobiliary surgery. Anderson TM, et al. **Ann Surg** 1985 Apr;201(4):399-406

Resection for pancreatitis in patients with pancreas divisum. Blair AJ 3d, et al. **Ann Surg** 1984 Nov;200(5):590-4

The role of imaging ultrasound during pancreatic surgery. Sigel B, et al. **Ann Surg** 1984 Oct;200(4):486-93

Juvenile tropical pancreatitis syndrome in northern Nigeria: a case report. Yakubu AM, et al. **Ann Trop Paediatr** 1984 Jun;4(2):79-82

Combined pancreatic duct and upper gastrointestinal and biliary tract drainage in chronic pancreatitis. Prinz RA, et al. **Arch Surg** 1985 Mar;120(3):361-6

Drainage operations in chronic pancreatitis. Cooper MJ, et al. **Br J Surg** 1984 Oct;71(10):761-6

Surgical pathology at early elective operation for suspected acute gallstone pancreatitis: preliminary report of a prospective clinical trial. Mackie CR, et al. **Br J Surg** 1985 Mar;72(3):179-81

Surgery in chronic pancreatitis. Frey CF, et al. **Clin Gastroenterol** 1984 Sep;13(3):913-40 (87 ref.)

Residual function of exocrine pancreas after operation for chronic pancreatitis by N-benzoyl-L-tyrosyl-p-aminobenzoic acid test (NBT-PABA test). Kodama M, et al. **Digestion** 1984; 30(1):41-6

Pancreatic function after endoscopic and surgical occlusion of the pancreatic duct in patients with chronic pancreatitis. Pap A, et al. **Endoscopy** 1985 Mar;17(2):60-3

A comparison of pancreatectomy and pancreatic duct drainage in chronic pancreatitis. Dohi K, et al. **Hiroshima J Med Sci** 1985 Mar;34(1):119-24

Operating on patients with pancreatitis without known etiology. Goldstein F. **J Clin Gastroenterol** 1985 Feb; 7(1):89-91

Is there still a place for Whipple's operation? Roukema JA, et al. **Neth J Surg** 1985 Jun;37(3):79-82

Acute pancreatitis. Experience at the Johannesburg Hospital. Beiles CB. **S Afr J Surg** 1985 Jun;23(2):63-6

Pyloric preservation with the Whipple procedure. Braasch JW, et al. **Surg Clin North Am** 1985 Apr;65(2):263-71

Surgical management of chronic pancreatitis. Rossi RL, et al. **Surg Clin North Am** 1985 Feb;65(1):79-101 (67 ref.)

Long term results of pancreaticojejunostomy in chronic pancreatitis. Holmberg JT, et al. **Surg Gynecol Obstet** 1985 Apr;160(4):339-46

Total pancreatectomy for chronic pancreatitis. Kiviluoto T, et al. **Surg Gynecol Obstet** 1985 Mar;160(3):223-7

Evaluation of the surgical treatment of chronic calcifying pancreatitis. Nogueira CE, et al. **Surg Gynecol Obstet** 1985 Aug;161(2):117-28

Duodenum-preserving resection of the head of the pancreas in patients with severe chronic pancreatitis. Beger HG, et al. **Surgery** 1985 Apr;97(4):467-73

Near-total pancreatectomy for chronic pancreatitis. Eckhauser FE, et al. **Surgery** 1984 Oct;96(4):599-607

Chronic pancreatitis: long-term surgical results of pancreatic duct drainage, pancreatic resection, and near-total pancreatectomy and islet autotransplantation. Morrow CE, et al. **Surgery** 1984 Oct;96(4):608-16

Therapeutic endoscopy: 1984. Johnson GK, et al. **Wis Med J** 1984 Nov;83(11):23-6 (22 ref.)

[Surgery of chronic recurrent pancreatitis] Chao ZN. **Chung Hua Wai Ko Tsa Chih** 1984 Nov;22(11):674-5, 701-2 (Eng. Abstr.) **(Chi)**

['Dish-opening' of the omental pouch in the treatment of hemorrhagic necrotizing pancreatitis] Wu D, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jan;23(1):19-21, 62 (Eng. Abstr.) **(Chi)**

[Intensive care in acute hemorrhagic pancreatitis. Hemodynamic aspects] Garnier D, et al. **Cah Anesthesiol** 1984 May-Jun;32(4):293-301 (Eng. Abstr.) **(Fre)**

[Results of surgical treatment of chronic pancreatitis (95 cases)] Gautier-Benoit C, et al. **Chirurgie** 1984; 110(4):405-12 (Eng. Abstr.) **(Fre)**

[Recurrent pancreatitis and pancreas divisum: surgical treatment using double sphincteroplasty] Meurisse M, et al. **Rev Med Liege** 1985 Jan 1;40(1):14-9 **(Fre)**

[Echinococcus cysticus of the pancreas in the clinical picture of acute pancreatitis] Augustin N, et al. **Chirurg** 1984 Oct; 55(10):661-4 (Eng. Abstr.) **(Ger)**

[Necrotizing pancreatitis: peritoneal lavage or bursa lavage? Results of a prospective consecutive controlled study] Büchler M, et al. **Chirurg** 1985 Apr;56(4):247-50 (Eng. Abstr.) **(Ger)**

[Endoscopic occlusion treatment in patients with chronic pancreatitis] Flautner L, et al. **Chirurg** 1985 Jan;56(1):36-40 (Eng. Abstr.) **(Ger)**

[Endoscopic necrosectomy with mediastinoscope following laparostomy for necrotizing pancreatitis] Wayand W. **Chirurg** 1985 Jan;56(1):50-2 **(Ger)**

[Cholelithiasis and acute pancreatitis (letter)] Eimiller A, et al. **Dtsch Med Wochenschr** 1984 Nov 2;109(44):1704 **(Ger)**

[Left-open abdomen. Indications and experiences] Hoffmann R, et al. **Helv Chir Acta** 1985 Apr;52(1):137-42 (Eng. Abstr.) **(Ger)**

[Duodenum-sparing pancreas head resection in chronic pancreatitis--results after 10 years' use] Beger HG, et al. **Langenbecks Arch Chir** 1984;362(4):229-36 (Eng. Abstr.) **(Ger)**

[Chronic pancreatitis--when is a drainage operation worthwhile?] Funovics J, et al. **Langenbecks Arch Chir** 1984;363(1):67-73 **(Ger)**

[Acute pancreatitis--discontinuation of conservative therapy, indications for operation and operation technic] Pichlmaier H. **Langenbecks Arch Chir** 1984;364:397-402 (Eng. Abstr.) **(Ger)**

[Therapeutic pancreatic duct occlusion in chronic pancreatitis: clinical, exocrine and endocrine consequences in a 12 month follow-up study] Schneider MU, et al. **Langenbecks Arch Chir** 1985;363(3):149-63 (Eng. Abstr.) **(Ger)**

[Pancreas head resection in chronic pancreatitis] Trede M. **Langenbecks Arch Chir** 1984;362(4):227-8 **(Ger)**

[Biliary pancreatitis--diagnostic and therapeutic possibilities with ERCP and endoscopic papillotomy] Lux G, et al. **Z Gastroenterol** 1984 Jul;22(7):346-56 (Eng. Abstr.) **(Ger)**

[Acute pancreatitis in choledocholithiasis--papillotomy versus operation. The surgical viewpoint] Beger HG. **Z Gastroenterol [Verh]** 1985 Apr;20:63-8 **(Ger)**

[Changes in the diagnosis and therapy of acute pancreatitis] Kümmerle F. **Zentralbl Chir** 1984;109(18):1167-80 (Eng. Abstr.) **(Ger)**

[Pancreatico-jejunal anastomosis in the treatment of chronic pancreatitis and calculosis of the Wirsung's duct] Gargano E, et al. **Ann Ital Chir** 1984;56(2):117-24 (Eng. Abstr.) **(Ita)**

[Surgical treatment of chronic calcified pancreatitis] Castiglioni GC, et al. **Minerva Chir** 1984 Apr 30; 39(8):583-96 (Eng. Abstr.) **(Ita)**

[Chronic pancreatitis. Modern surgical views. Clinical contribution] De Anna D, et al. **Minerva Chir** 1984 May 31;39(10):791-6 (Eng. Abstr.) **(Ita)**

[An operative case of hemosuccus pancreaticus] Kobayashi M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 May; 82(5):1412-5 **(Jpn)**

[Balanced non-residual diet for surgical patients] Jaroszewicz S, et al. **Pol Tyg Lek** 1984 Apr 30;39(18):625-7 (15 ref.) **(Pol)**

[Cryosurgery of acute destructive pancreatitis] Al'perovich BI, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):118-21 **(Rus)**

[Treatment of acute destructive pancreatitis by sealing the pancreatic duct system] Gal'perin EI, et al. **Khirurgiia (Mosk)** 1985 Jan;(1):45-50 (Eng. Abstr.) **(Rus)**

[Automatic device for cooling the pancreas] Lokhvitskiĭ SV, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):116-8 **(Rus)**

[Successful use of biological film to eliminate a parapancreatic fistula with suppuration of the surgical wound and eventration of the intestine] Timoshin AD, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):136-8 **(Rus)**

[Left-side resection of the pancreas based on its surgical anatomy] Toskin KD, et al. **Khirurgiia (Mosk)** 1984 Jul; (7):11-5 (Eng. Abstr.) **(Rus)**

[Drainage of the abdominal cavity and retroperitoneal space in acute pancreatitis] Lashchevker VM. **Klin Khir** 1984 Nov;(11):50-2 **(Rus)**

[Surgical procedure in complicated forms of acute pancreatitis] Mil'kov BO, et al. **Klin Khir** 1984 Nov;(11):59 **(Rus)**

[Resection methods of treatment in chronic pancreatitis] Panchenko. **Klin Khir** 1984 Nov;(11):10-2 (Eng. Abstr.) **(Rus)**

[Surgical procedure in pancreatic necrosis] Savel'ev VS, et al. **Klin Khir** 1984 Nov;(11):43-5 **(Rus)**

[Surgical treatment of acute destructive pancreatitis] Shalimov AA, et al. **Klin Khir** 1984 Nov;(11):45-7 **(Rus)**

[Surgical treatment of acute postoperative pancreatitis] Shalimov AA, et al. **Klin Khir** 1984 Nov;(11):1-4 (Eng. Abstr.) **(Rus)**

[Surgical treatment of chronic cholangiogenic pancreatitis] Taranenko LD, et al. **Klin Khir** 1984 Nov;(11):31-2 (Eng. Abstr.) **(Rus)**

[Surgical procedure in acute pancreatitis] Toskin KD, et al. **Klin Khir** 1984 Nov;(11):41-2 **(Rus)**

[Clinico-immunologic status and postoperative course of patients with chronic pancreatitis and complicated cholecystitis] Kolker II, et al. **Vestn Khir** 1985 Jan; 134(1):51-4 (Eng. Abstr.) **(Rus)**

[Surgical treatment of pancreonecrosis] Kriger AG. **Vestn Khir** 1985 Apr;134(4):135-8 (53 ref.) **(Rus)**

[Pancreatojejunostomy in chronic pancreatitis] Panchenko SN. **Vestn Khir** 1984 Aug;133(8):38-40 (Eng. Abstr.) **(Rus)**

[Method of long-term retroperitoneal block in acute pancreatitis] Sakhautdinov VG, et al. **Vestn Khir** 1984 Aug; 133(8):36-8 (Eng. Abstr.) **(Rus)**

THERAPY

Peritoneal lavage in severe acute pancreatitis. Lasson A, et al. **Acta Chir Scand** 1984;150(6):479-84

Hyperbaric oxygen, allopurinol, and diet-induced acute pancreatitis [letter] Degertekin H, et al. **Ann Intern Med** 1985 Sep;103(3):474-5

Registrar's corner acute pancreatitis: updated. Matts SG, et al. **Br J Clin Pract** 1985 Jan;39(1):7-11

Therapy of acute pancreatitis in systemic lupus erythematosus with plasmapheresis and corticosteroids. Ossi E, et al. **Clin Exp Rheumatol** 1983 Oct-Dec;1(4):345-7

Acute pancreatitis in systemic lupus erythematosus (SLE). Successful treatment with plasmapheresis after failure of prednisone. Zanen S, et al. **Clin Exp Rheumatol** 1983 Oct-Dec;1(4):341-4

Comparison of fasting, nasogastric suction and cimetidine in the treatment of acute pancreatitis. Navarro S, et al. **Digestion** 1984;30(4):224-30

Treatment of acute pancreatitis. McPhee M. **Hosp Pract [Off]** 1985 Jun 15;20(6):83-94

Changing concepts in the evaluation and treatment of acute severe pancreatitis. Bonnet F, et al. **Intensive Care Med** 1985;11(3):107-9 (32 ref.)

Percutaneous peritoneal dialysis as an early treatment of acute necrotic hemorrhagic pancreatitis. Reynaert MS, et al. **Intensive Care Med** 1985;11(3):123-8

The treatment of acute necrotizing pancreatitis, using a mediastinoscope postoperatively and antiseptic rinses. Wayand W, et al. **J Hosp Infect** 1985 Mar;6 Suppl A:93-5

The value of intensive nutritional support in pancreatitis. Kirby DF, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun;9(3):353-7 (57 ref.)

Controlled clinical trial of peritoneal lavage for the treatment of severe acute pancreatitis. Mayer AD, et al. **N Engl J Med** 1985 Feb 14;312(7):399-404

The treatment of acute pancreatitis: a continuing challenge

NEWARK PUBLIC LIBRARY

[editorial] Pellegrini CA. **N Engl J Med** 1985 Feb 14; 312(7):436-8

Complicated pancreatic inflammatory disease: diagnostic and therapeutic role of interventional radiology. vanSonnenberg E, et al. **Radiology** 1985 May;155(2):335-40

Effect of plasma exchange on acute pancreatitis. Yamauchi H, et al. **Tohoku J Exp Med** 1985 Jan;145(1):103-4

[Medical treatment and intensive care for acute pancreatitis] Gauthier A, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 Jan-Feb;20(1):33-5 **(Fre)**

[Concentrated amino acid solution in order limit water and energy supply during parenteral feeding] Robin P, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):55-9 **(Fre)**

[Acute pancreatitis: a critique of therapeutic methods] Aumais G. **Union Med Can** 1984 Aug;113(8):661-4 (Eng. Abstr.) **(Fre)**

[Acute pancreatitis] Korthals C, et al. **Wien Med Wochenschr** 1984 Jul 31;134(13-14):327-33 (Eng. Abstr.) **(Ger)**

[Experiences of Soviet surgeons in the diagnosis and conservative treatment of acute pancreatitis] Slisów W. **Z Arztl Fortbild (Jena)** 1985;79(12):535-8 **(Ger)**

[Acute pancreatitis in choledocholithiasis--papillotomy versus operation. The internist viewpoint] van Husen N. **Z Gastroenterol [Verh]** 1985 Apr;20:58-62 **(Ger)**

[Wirsung-jejunostomy in the surgical therapy of chronic recurrent pancreatitis] Monti GF, et al. **Minerva Chir** 1985 Apr 15;40(7):521-6 **(Ita)**

[Clearance of serum pancreatic enzymes by plasma exchange in acute pancreatitis] Yamauchi H. **Nippon Shokakibyo Gakkai Zasshi** 1984 Oct;81(10):2604 **(Jpn)**

[Results of the treatment of acute pancreatitis associated with cholelithiasis] Wójcik Z, et al. **Pol Tyg Lek** 1984 Sep 10; 39(37):1225-9 (Eng. Abstr.) **(Pol)**

[Clinical usefulness of celiac plexus block] Maruszyński M, et al. **Wiad Lek** 1984 Jun 15;37(12):925-7 (Eng. Abstr.) **(Pol)**

[Hemodynamics and oxygen transport during hemosorption in patients with destructive pancreatitis and diffuse peritonitis] Riabov GA, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):3-7 (Eng. Abstr.) **(Rus)**

[Lymphosorption in the complex treatment of destructive pancreatitis] Babichev SI, et al. **Khirurgiia (Mosk)** 1985 May;(5):100-5 (Eng. Abstr.) **(Rus)**

[Therapeutic tactics in acute pancreatitis] Moroz IM, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):7-10 (Eng. Abstr.) **(Rus)**

[Extracorporeal sorption detoxication in the complex treatment of pancreonecrosis] Zatevakhin II, et al. **Khirurgiia (Mosk)** 1984 Jul;(7):3-7 (Eng. Abstr.) **(Rus)**

[Treatment of acute pancreatitis] Reshetnikov EA, et al. **Klin Khir** 1984 Nov;(11):26-7 (Eng. Abstr.) **(Rus)**

[Treatment of acute pancreatitis] Skiba VV, et al. **Klin Khir** 1984 Nov;(11):52-6 (71 ref.) **(Rus)**

[Peridural anesthesia and intra-aortic administration of protease inhibitors and antibiotics in the combined treatment of acute biliary pancreatitis] Tomashuk IP, et al. **Klin Khir** 1984 Nov;(11):27-8 (Eng. Abstr.) **(Rus)**

[Treatment of acute pancreatitis patients with functional liver failure] Koval'chuk VI, et al. **Vestn Khir** 1984 Sep; 133(9):26-30 (Eng. Abstr.) **(Rus)**

[Efficacy of dispensary care of patients with chronic recurrent pancreatitis] Geller LI, et al. **Vrach Delo** 1984 Sep;(9):32-4 (Eng. Abstr.) **(Rus)**

URINE

Increased urinary levels of thyrotropin-releasing hormone immunoreactivity in acute pancreatitis. Suhonen-Malm AS, et al. **Scand J Gastroenterol** 1985 Jun;20(5):559-62

VETERINARY

Serum pancreatic polypeptide and amylase concentrations in dogs with experimentally induced acute pancreatitis. Murtaugh RJ, et al. **Am J Vet Res** 1985 Mar;46(3):654-6

Serum amylase and isoamylases and their origins in healthy dogs and dogs with experimentally induced acute pancreatitis. Murtaugh RJ, et al. **Am J Vet Res** 1985 Mar; 46(3):742-7

Serum antiprotease concentrations in dogs with spontaneous and experimentally induced acute pancreatitis. Murtaugh RJ, et al. **Am J Vet Res** 1985 Jan;46(1):80-3

Chronic eosinophilic pancreatitis and ulcerative colitis in a horse. Breider MA, et al. **J Am Vet Med Assoc** 1985 Apr 15;186(8):809-11

Pancreatitis, gastrointes[illegible] ulceration and haemorrhage and necrotising cystitis following the surgical treatment of degenerative disc disease in a dachshund. Davies M. **Vet Rec** 1985 Apr 13;116(15):398-9

PANCREATOPEPTIDASE

Assessment of elastase-induced structural and functional changes in sheep lungs. Susskind H, et al. **Bull Eur Physiopathol Respir** 1985 Mar-Apr;21(2):149-57

Digestion of elastin by porcine pancreatic elastase I and elastase II. Vered M, et al. **Int J Pept Protein Res** 1985 Jan;25(1):76-84

Acute response to elastase in sheep lungs measured with Ga-67. Susskind H, et al. **J Nucl Med** 1984 Dec; 25(12):1310-6

ANALYSIS

Elastase secretion in pancreatic disease. Mizuno R, et al. **Am J Gastroenterol** 1985 Feb;80(2):113-7

Neonatal lung neutrophils and elastase/proteinase inhibitor imbalance. Ogden BE, et al. **Am Rev Respir Dis** 1984 Nov; 130(5):817-21

Detection of elastase activity with a zymogram method after isoelectric focusing in polyacrylamide gel. Gardi C, et al. **Anal Biochem** 1984 Aug 1;140(2):472-7

Studies on the role of polymorphonuclear leukocyte granule elastase in Arthus reaction. Hamanaka K, et al. **Arch Dermatol Res** 1984;276(6):370-4

Measurement of proteoglycans, elastase, collagenase and protein in synovial fluid in inflammatory and degenerative arthropathies. Gysen P, et al. **Clin Rheumatol** 1985 Mar; 4(1):39-50

Immunohistochemical demonstration of leucocyte elastase in human tissues. Crocker J, et al. **J Clin Pathol** 1984 Oct; 37(10):1114-8

Effect of plant SH-protease on human polymorphonuclear leukocyte granule elastase. Hamanaka K, et al. **J Dermatol (Tokyo)** 1984 Dec;11(6):523-8

[A study of invasive factor in bladder cancer--elastase-like activity as a marker of bladder cancer invasiveness] Nemoto S, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Sep;75(9):1391-400 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

The prevention of elastase-induced emphysema in hamsters by the intratracheal administration of a synthetic elastase inhibitor bound to albumin microspheres. Gudapaty SR, et al. **Am Rev Respir Dis** 1985 Jul;132(1):159-63

Inactivation of human alpha 1-proteinase inhibitor by cigarette smoke: effect of smoke phase and buffer. Pryor WA, et al. **Am Rev Respir Dis** 1985 Jun;131(6):941-3

Inhibitors of human neutrophil elastase in extracts of Streptococcus pneumoniae. Vered M, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1118-24

A new elastase inhibitor from Streptococcus pneumoniae protects against acute lung injury induced by neutrophil granules. Vered M, et al. **Am Rev Respir Dis** 1985 Jan; 131(1):131-3

Effects of the protease inhibitor (Pi) polymorphism on alpha-1-antitrypsin concentration and elastase inhibitory capacity in human serum. Oakeshott JG, et al. **Ann Hum Biol** 1985 Mar-Apr;12(2):149-60

Inhibition of human neutrophil elastase activity by encapsulated serum (Serumsome) therapy. Kuhn SH, et al. **Appl Biochem Biotechnol** 1984;10:309-12

Inhibition of human leukocyte elastase, cathepsin G, chymotrypsin A alpha, and porcine pancreatic elastase with substituted isobenzofuranones and benzopyrandiones. Hemmi K, et al. **Biochemistry** 1985 Apr 9;24(8):1841-8

Pre-alpha 2-elastase inhibitor of the horse: a hybrid molecule between alpha 1-proteinase inhibitor and alpha 2-beta 1-glycoprotein. Pellegrini A, et al. **Biochim Biophys Acta** 1985 Jul 18;830(1):20-4

Anionic inhibitors of pancreatic and leukocyte elastase. Alkylamides of 3-carboxypropionyl- and 4-carboxybutyrylalanine peptides. Kasafirek E, et al. **Biol Chem Hoppe Seyler** 1985 Apr;366(4):333-43

Inhibition by phosphoramidon of Pseudomonas aeruginosa elastase injected intracorneally in rabbit eyes. Kessler E, et al. **Curr Eye Res** 1984 Aug;3(8):1075-8

Human serum alpha 1-antichymotrypsin is an inhibitor of pancreatic elastases. Laine A, et al. **Eur J Biochem** 1985 Sep 2;151(2):327-31

Ascaris suum: biosynthesis and isoinhibitor profile of chymotrypsin/elastase isoinhibitors. Martzen MR, et al. **Exp Parasitol** 1985 Jun;59(3):313-20

Proteolytic inactivation of human leukocyte elastase. Stein RL, et al. **Experientia** 1985 May 15;41(5):638-40

A new class of inhibitors of human leucocyte elastase. Hassall CH, et al. **FEBS Lett** 1985 Apr 22;183(2):201-5

Subcellular localization and further characterization of a new elastase inhibitor from pneumococci. Vered M, et al. **Infect Immun** 1985 Jul;49(1):52-60

Inhibition of the serine proteases leukocyte elastase, pancreatic elastase, cathepsin G, and chymotrypsin by peptide boronic acids. Kettner CA, et al. **J Biol Chem** 1984 Dec 25;259(24):15106-14

Substituted 2-pyrones, 2-pyridones, and other congeners of elasnin as potential agents for the treatment of chronic obstructive lung diseases. Groutas WC, et al. **J Med Chem** 1985 Aug;28(8):1106-9

Amino acid derived latent isocyanates: irreversible inactivation of porcine pancreatic elastase and human leukocyte elastase. Groutas WC, et al. **J Med Chem** 1985 Feb;28(2):204-9

Serum antielastase and neutrophil elastase levels in PiM phenotype cigarette smokers with airflow obstruction. Binder R, et al. **Respiration** 1985;47(4):267-77

Human amyloid P component: an elastase inhibitor. Li JJ, et al. **Scand J Immunol** 1984 Sep;20(3):219-26

[The effect of new oligopeptide elastase inhibitors in acute experimental pancreatitis in the rat] Frič P, et al. **Cas Lek Cesk** 1985 Jan 11;124(2):41-5 (Eng. Abstr.) **(Cze)**

[Catechins and flavanolic oligomers from Cupressus sempervirens L. Comparative in vitro elastase inhibitory and in vivo angioprotective activity] Jonadet M, et al. **Ann Pharm Fr** 1984;42(2):161-7 (Eng. Abstr.) **(Fre)**

BLOOD

Catalysis by human leukocyte elastase: III. Steady-state kinetics for the hydrolysis of p-nitrophenyl esters. Stein RL. **Arch Biochem Biophys** 1985 Feb 1;236(2):677-80

Evaluation of recombinant DNA-directed E.coli produced alpha 1-antitrypsin as an anti-neutrophil elastase for potential use as replacement therapy of alpha 1-antitrypsin deficiency. Straus SD, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1177-84

Synthetic inhibitors of human leukocyte elastase Part 1--Sulphated polysaccharides. Lentini A, et al. **Biochem Int** 1985 Feb;10(2):221-32

Concentrations of protease and anti-protease in serum of patients with pancreatic cancer. Buamah PK, et al. **Clin Chem** 1985 Jun;31(6):876-7

Differentiation of the elastase-type protease of platelets from other elastases. Hornebeck W, et al. **Clin Physiol Biochem** 1984;2(4):166-75

Elastase-type activity of human serum. Its variation in chronic obstructive lung diseases and atherosclerosis. Hornebeck W, et al. **Clin Physiol Biochem** 1983;1(6):285-92

Activity of some lysosomal enzyme in rheumatoid and psoriatic arthritis. Mikulíková D, et al. **Clin Rheumatol** 1984 Dec;3(4):515-9

Release of leukocyte elastase during hemodialysis. Effect of different dialysis membranes. Schaefer RM, et al. **Contrib Nephrol** 1985;46:109-17

Values of serum carcinoembryonic antigen and elastase 1 in diagnosis of pancreatic carcinoma. Tatsuta M, et al. **Gut** 1984 Dec;25(12):1347-51

Evidence of fibrinogen breakdown by leukocyte enzymes in a patient with acute promyelocytic leukemia. Sterrenberg L, et al. **Haemostasis** 1985;15(2):126-33

Changes in serum levels of pancreatic isoamylase, lipase, trypsin, and elastase 1 after endoscopic retrograde pancreatography. Okuno M, et al. **Hepatogastroenterology** 1985 Apr;32(2):87-90

Interactions of the complex between human urinary trypsin inhibitor and human leukocyte elastase with alpha 1-proteinase inhibitor and alpha 2-macroglobulin. Jönsson BM, et al. **Hoppe Seylers Z Physiol Chem** 1984 Dec; 365(12):1403-8

The enzyme that cleaves apolipoprotein A-II upon in vitro incubation of human plasma high-density lipoprotein-3 with blood polymorphonuclear cells is an elastase. Byrne RE, et al. **J Biol Chem** 1984 Dec 10;259(23):14537-43

Factors controlling the release from human blood polymorphonuclear cells in vitro of a proteolytic activity directed against apolipoprotein A-II. Polacek D, et al. **J Biol Chem** 1984 Dec 10;259(23):14531-6

'PMN-elastase assay': enzyme immunoassay for human polymorphonuclear elastase complexed with alpha 1-proteinase inhibitor. Neumann S, et al. **J Clin Chem Clin Biochem** 1984 Oct;22(10):693-7

Elastase activity in serum and synovial fluid of patients with connective tissue disorders. Cooke LA, et al. **J Rheumatol** 1984 Oct;11(5):666-71

Serum elastase 1 in chronic pancreatic disease. Del Favero G, et al. **Klin Wochenschr** 1985 Jul 1;63(13):603-6

Biochemical properties and possible therapeutic role of the elastase inhibitor eglin C. Schnebli HP, et al. **Prog Clin Biol Res** 1985;180:287-90

Anticoagulant properties of purified X-like fragments of human fibrinogen produced by degradation with leukocyte elastase. Sterrenberg L, et al. **Thromb Haemost** 1984 Jul 29;51(3):398-402

Observations on the amyloid-degrading activity of serum and its relationship to human neutrophil elastase. Skinner M, et al. **Trans Assoc Am Physicians** 1983;96:437-43

[A promising tumor marker CA 19-9 for pancreatic carcinoma: comparison with CEA and elastase 1] Sakahara H, et al. **Kaku Igaku** 1985 Jan;22(1):115-8 **(Jpn)**

[Clinical evaluation of measurement of serum elastase 1 levels in pancreatic diseases. Including comparison with endoscopic retrograde pancreatogram] Muranaka T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jul 25; 44(7):972-8 (Eng. Abstr.) **(Jpn)**

[Effect of elastase and its inhibitors on the mechanism of development of various pulmonary diseases] Ichiwata T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Aug; 22(8):636-43 (Eng. Abstr.) **(Jpn)**

[Enzymochemical studies on pancreatic elastase. III. Zymogen-like elastase originating from the pancreas in the blood] Nagai T, et al. **Yakugaku Zasshi** 1985 May; 105(5):499-506 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Effectiveness of elastase with HCl method for cell surface visualization. Amemiya T. **Acta Anat (Basel)** 1984; 120(3):108-11

Elastase, collagenase and the radial elastic properties of arteries. Dobrin PB, et al. **Experientia** 1985 Aug 15; 41(8):1040-2

Dissociation of the chemotactic and mitogenic activities of platelet-derived growth factor by human neutrophil elastase. Senior RM, et al. **J Cell Biol** 1985 Feb;100(2):351-6

GENETICS

Tissue-specific expression of the rat pancreatic elastase I gene in transgenic mice. Swift GH, et al. **Cell** 1984 Oct; 38(3):639-46

Structure of the two related elastase genes expressed in the rat pancreas. Swift GH, et al. **J Biol Chem** 1984 Nov 25; 259(22):14271-8

Specific expression of an elastase-human growth hormone fusion gene in pancreatic acinar cells of transgenic mice. Ornitz DM, et al. **Nature** 1985 Feb 14-20;313(6003):600-2

ISOLATION & PURIFICATION

A new alkaline elastase of an alkalophilic bacillus. Tsai YC, et al. **Biochem Int** 1983 Nov;7(5):577-83

METABOLISM

Neutral protease, collagenase and elastase activities in synovial fluids from arthritic patients. Al-Haik N, et al. **Agents Actions** 1984 Oct;15(3-4):436-42

Elastases and emphysema. Current assessment of the protease-antiprotease hypothesis. Janoff A. **Am Rev Respir Dis** 1985 Aug;132(2):417-33 (220 ref.)

Alveolar macrophage modulation of proteolysis by neutrophil elastase in extracellular matrix. McGowan SE, et al. **Am Rev Respir Dis** 1984 Nov;130(5):734-9

Pulmonary elastase activity in response to Streptococcus pneumoniae and Pseudomonas aeruginosa. Melby K, et al. **Am Rev Respir Dis** 1985 Apr;131(4):559-63

Demonstration of a free elastolytic metalloenzyme in human lung lavage fluid and its relationship to alpha1-antiprotease [letter] Stockley RA, et al. **Am Rev Respir Dis** 1985 Jan; 131(1):185-6

Elastase in tissue injury. Janoff A. **Annu Rev Med** 1985; 36:207-16 (42 ref.)

Cigarette smoke decreases the rate constant for the association of elastase with alpha 1-proteinase inhibitor by a non-oxidative mechanism. Laurent P, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):275-81

Immunoglobulin degradation and D-penicillamine action. Rafter GW. **Biochem Biophys Res Commun** 1985 Jan 31; 126(2):867-72

Co-operation between plasmin and elastase in elastin degradation by intact murine macrophages. Chapman HA Jr, et al. **Biochem J** 1984 Sep 15;222(3):721-8

Fatty acid peptide derivatives as model compounds to protect elastin against degradation by elastases. Hornebeck W, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3315-21

The contribution of exoproducts to virulence of Pseudomonas aeruginosa. Nicas TI, et al. **Can J Microbiol** 1985 Apr;31(4):387-92

Metabolism in marine flatfish--III. Measurement of elastase activity in the digestive tract of Dover sole (Solea solea L.). Clark J, et al. **Comp Biochem Physiol [B]** 1985; 81(3):695-700

Biosynthesis of hyaluronic acid, heparan sulfate and structural glycoproteins in hamster lung explants during elastase induced emphysema. Lafuma C, et al. **Connect Tissue Res** 1985;13(2):169-79

Pancreatic secretory trypsin inhibitor, cathodal trypsin, and pancreatic elastase in pancreatic juice collected at endoscopic retrograde cholangiopancreatography. Marks WH, et al. **Curr Surg** 1985 Jan-Feb;42(1):26-8

Studies on the specificity of the cholesterol-binding pancreatic proteinase and identification as human pancreatic elastase 1. Sziegoleit A, et al. **Eur J Biochem** 1985 Sep 16;151(3):595-9

Similarities between human and rat leukocyte elastase and cathepsin G. Virca GD, et al. **Eur J Biochem** 1984 Oct 1;144(1):1-9

Pulmonary vascular injury in pancreatitis: evidence for a major role played by pancreatic elastase. Lungarella G, et al. **Exp Mol Pathol** 1985 Feb;42(1):44-59

Magnesium enhances human pancreatic elastase digestion of 125I-labeled elastin. Rabaud M, et al. **Experientia** 1985 May 15;41(5):628-31

Absorption of elastase through the jejunal mucosa of the rat. An immunocytochemical study. Tsujii T, et al. **Histochemistry** 1984;81(5):427-33

Effect of neutrophil cathepsin G on elastin degradation by neutrophil elastase. Reilly CF, et al. **Hoppe Seylers Z Physiol Chem** 1984 Sep;365(9):1131-5

In vitro evidence that human airway lysozyme is cleaved and inactivated by Pseudomonas aeruginosa elastase and not by human leukocyte elastase. Jacquot J, et al. **Infect Immun** 1985 Feb;47(2):555-60

Effect of elastase on glucose and lipid metabolism in rat fat cells. Ueki H, et al. **J Biochem (Tokyo)** 1984 Nov; 96(5):1419-25

Ovalbumin is an elastase substrate. Wright HT. **J Biol Chem** 1984 Dec 10;259(23):14335-6

IgG proteolytic activity of Pseudomonas aeruginosa in cystic fibrosis. Fick RB Jr, et al. **J Infect Dis** 1985 Apr; 151(4):589-98

Elastase activity of Coccidioides immitis. Nziramasanga P, et al. **J Med Microbiol** 1985 Feb;19(1):109-14

Interaction between elastin and elastases and its role in the aging of the arterial wall, skin and other connective tissues. A review. Robert L, et al. **Mech Ageing Dev** 1984 Dec; 28(2-3):155-66 (39 ref.)

On the influence of the substrate (elastin) in elastase-alpha 1 antitrypsin interactions. Hornebeck W, et al. **Pathol Biol (Paris)** 1985 Apr;33(4):281-5

Elastase-alpha 1 antitrypsin complexes in acute leukaemia. Galloway MJ, et al. **Thromb Res** 1985 May 15;38(4):311-20

[Method of determination and diagnostic significance of gastric juice elastase] Murashov BF, et al. **Lab Delo** 1985; (2):107-9 (Eng. Abstr.) **(Rus)**

[Proteolytic enzymes and their inhibitors in the development of destructive processes in lung diseases] Kubyshkin AV. **Sov Med** 1984;(9):42-6 (60 ref.) **(Rus)**

PHARMACODYNAMICS

Lung changes resulting from intraperitoneal injections of porcine pancreatic elastase in suckling rats. Kida K, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1111-7

Evidence that Pseudomonas aeruginosa elastase does not inactivate the bronchial inhibitor in the presence of leukocyte elastase. Studies with cystic fibrosis sputum and with pure proteins. Tournier JM, et al. **Am Rev Respir Dis** 1985 Sep;132(3):524-8

Evidence by in vivo and in vitro studies that binding of pycnogenols to elastin affects its rate of degradation by elastases. Tixier JM, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):3933-9

Effects of elastase and cigarette smoke on alveolar epithelial permeability. Schmid RP, et al. **J Appl Physiol** 1985 Jul; 59(1):96-100

Human neutrophil elastase modulates platelet function by limited proteolysis of membrane glycoproteins. Brower MS, et al. **J Clin Invest** 1985 Feb;75(2):657-66

Quantitative study of secretory cell metaplasia induced by human neutrophil elastase in the large bronchi of hamsters. Breuer R, et al. **J Lab Clin Med** 1985 May;105(5):635-40

Impairment of elastin resynthesis in the lungs of hamsters with experimental emphysema induced by sequential administration of elastase and trypsin. Osman M, et al. **J Lab Clin Med** 1985 Feb;105(2):254-8

Effects of elastase and collagenase on microelectrode impalements in canine atria at different ages. Woods WT Jr. **J Mol Cell Cardiol** 1984 Sep;16(9):843-50

Biological activities of partially purified elastase produced by Flavobacterium meningosepticum. Miyazaki S. **Microbiol Immunol** 1984;28(10):1083-92

PHYSIOLOGY

Effect of combined human neutrophil cathepsin G and elastase on induction of secretory cell metaplasia and emphysema in hamsters, with in vitro observations on elastolysis by these enzymes. Lucey EC, et al. **Am Rev Respir Dis** 1985 Aug;132(2):362-6

[Enzymochemical studies on pancreatic elastase. II. Actions of hog pancreatic elastase I on fibronectin] Nagai T, et al. **Yakugaku Zasshi** 1984 Jul;104(7):805-11 (Eng. Abstr.) **(Jpn)**

POISONING

Pulmonary function in elastase-treated guinea pigs and rats exposed to ammonium sulfate or ammonium nitrate aerosols. Loscutoff SM, et al. **Environ Res** 1985 Feb; 36(1):170-80

SECRETION

Secretion of collagenolytic enzymes by human polymorphonuclear leukocytes. Hibbs MS, et al. **Coll Relat Res** 1984 Dec;4(6):467-77

Analysis of effects of lipopolysaccharide and interferon on murine macrophages: modulation of elastase secretion in vitro. Duc Dodon M, et al. **Infect Immun** 1985 Sep; 49(3):709-14

Purified human mast cells and basophils release human elastase and cathepsin G by an IgE-mediated mechanism. Meier HL, et al. **Int Arch Allergy Appl Immunol** 1985; 77(1-2):179-83

THERAPEUTIC USE

[A biophysical study of antisclerotic agents--longterm effect of elastase as measured by aortic pulse wave velocity method] Hasegawa M, et al. **Nippon Ronen Igakkai Zasshi** 1984 Mar;21(2):115-23 (Eng. Abstr.) **(Jpn)**

PANCREOZYMIN see **CHOLECYSTOKININ**

PANCURONIUM

Haemodynamic response to nitrous oxide during high-dose fentanyl pancuronium anaesthesia. Meretoja OA, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):137-41

Comparison of intubating conditions with atracurium, vecuronium and pancuronium. Schiller DJ, et al. **Anaesthesia** 1984 Dec;39(12):1188-91

Potentiation of the combination of pancuronium and metocurine by halothane and isoflurane in humans with and without renal failure. Bennett MJ, et al. **Anesthesiology** 1985 Jun;62(6):759-64

Intravenous nitroglycerin dosage to prevent intraoperative myocardial ischemia during fentanyl-pancuronium anesthesia [letter] Shapira Y, et al. **Anesthesiology** 1985 Jul; 63(1):121-3

Failure of intravenous nitroglycerin to prevent intraoperative myocardial ischemia during fentanyl-pancuronium anesthesia. Thomson IR, et al. **Anesthesiology** 1984 Oct; 61(4):385-93

Fade characteristics and onset times following administration of pancuronium, tubocurarine and a mixture of both agents. Cashman JN, et al. **Br J Anaesth** 1985 May;57(5):488-92

Effects of paralysis with pancuronium on chest wall statics in awake humans. Kimball WR, et al. **J Appl Physiol** 1985 May;58(5):1638-45

[Fentanyl, pancuronium and nitrous oxide in high-risk orthopedic and traumatologic surgery] Tartière J, et al. **Cah Anesthesiol** 1985 Jan-Feb;33(1):51-4 **(Fre)**

[Comparative clinical studies on vecuronium, atracurium and pancuronium in older patients] Schaer H, et al. **Anaesthesist** 1984 Nov;33(11):543-7 (Eng. Abstr.) **(Ger)**

[Diazanalgesia as an anesthetic technic in heart surgery with extracorporeal circulation] Gómez Herreras JI, et al. **Rev Esp Anestesiol Reanim** 1984 May-Jun;31(3):95-8 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Dosage requirement of pancuronium in halothane-anesthetized ponies: a comparison of cumulative and single-dose administration. Hildebrand SV, et al. **Am J Vet Res** 1984 Nov;45(11):2441-4

Curare before pancuronium [letter] Duffy B. **Anaesth Intensive Care** 1985 Feb;13(1):104

Accelerated onset of pancuronium with divided doses. Doherty WG, et al. **Can Anaesth Soc J** 1985 Jan;32(1):1-4

[Circulatory effects of vecuronium as well as pancuronium under different conditions of anesthesia] Markschies-Hornung A, et al. **Anasth Intensivther Notfallmed** 1985 Apr;20(2):57-61 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Effect of vecuronium and pancuronium on cardiac performance and transmural myocardial perfusion during ketamine anaesthesia. Pedersen T, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):443-6

Anaphylactoid reaction to pancuronium [letter] Moneret-Vautrin DA, et al. **Anesth Analg** 1985 Sep; 64(9):944

Adverse effects of pancuronium during high-dose fentanyl anesthesia for coronary artery bypass grafting. Thomson IR, et al. **Anesthesiology** 1985 Jun;62(6):708-13

Neuromuscular complications in patients given Pavulon (pancuronium bromide) during artificial ventilation. Op de Coul AA, et al. **Clin Neurol Neurosurg** 1985;87(1):17-22

Pancuronium administration and immediate hypoventilation [letter] Greenough A. **J Pediatr** 1984 Nov;105(5):849

Hypotension associated with pancuronium use in the newborn [letter] McIntosh N. **Lancet** 1985 Aug 3; 2(8449):279

Pancuronium belly [letter] Thomas S, et al. **Lancet** 1984 Oct 13;2(8407):870

[Anaphylactic shock caused by pancuronium and vecuronium] Conil C, et al. **Ann Fr Anesth Reanim** 1985; 4(2):241-3 (Eng. Abstr.) **(Fre)**

[Obstructive cardiomyopathy manifested by ventricular tachycardia and collapse following the induction of anesthesia] Favre JP, et al. **Cah Anesthesiol** 1984 May-Jun; 32(4):289-91 **(Fre)**

[The circulatory effects of Org NC 45 (Norcuron) on three different anesthetic methods in patients with healthy hearts] Riegler R, et al. **Anaesthesist** 1984 Aug;33(8):363-5 (Eng. Abstr.) **(Ger)**

[Anaphylactic shock caused by pancuronium bromide. A clinical case] Pappagallo S, et al. **Minerva Anestesiol** 1984 Sep;50(9):481-4 (Eng. Abstr.) **(Ita)**

[Case reports of prolonged curarisation following renal transplantation] Isshiki A, et al. **Masui** 1985 Mar; 34(3):358-63 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Precurarization with vecuronium and pancuronium in awake, healthy volunteers: the influence on neuromuscular transmission and pulmonary function. Engbaek J, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):117-20

Edrophonium and neostigmine for reversal of the neuromuscular blocking effect of vecuronium. Engbaek J, et al. **Acta Anaesthesiol Scand** 1985 Jul;29(5):544-6

Vecuronium and atracurium in the elderly: a clinical comparison with pancuronium. Lowry KG, et al. **Acta Anaesthesiol Scand** 1985 May;29(4):405-8

Dose-response curves for vecuronium during halothane and neurolept anaesthesia: single bolus versus cumulative method. Ording H, et al. **Acta Anaesthesiol Scand** 1985 Jan; 29(1):121-4

Vecuronium in patients with and without renal failure. Orko R, et al. **Acta Anaesthesiol Scand** 1985 Apr;29(3):326-9

Effect of vecuronium and pancuronium on cardiac performance and transmural myocardial perfusion during ketamine anaesthesia. Pedersen T, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):443-6

Histamine release with vecuronium [letter] Clayton DG, et al. **Anaesthesia** 1984 Nov;39(11):1143-4

Possible histamine release after vecuronium [letter] Lavery GG, et al. **Anaesthesia** 1985 Apr;40(4):389-90

Vecuronium and bradycardia [letter] May JR. **Anaesthesia** 1985 Jul;40(7):710

Vecuronium in myasthenia gravis [letter] Pelton CI. **Anaesthesia** 1985 Jan;40(1):82-3

Vecuronium and the oculocardiac reflex [letter] Pryne SJ, et al. **Anaesthesia** 1985 Jan;40(1):88-9

Comparison of intubating conditions with atracurium, vecuronium and pancuronium. Schiller DJ, et al. **Anaesthesia** 1984 Dec;39(12):1188-91

A hazard with vecuronium [letter] Taylor RH, et al. **Anaesthesia** 1985 May;40(5):501-2

Vecuronium bromide and complete atrioventricular block [letter] Williams HD, et al. **Anaesthesia** 1985 Feb;40(2):205

Vecuronium and porcine malignant hyperthermia. Buzello W, et al. **Anesth Analg** 1985 May;64(5):515-9

Evolution of vecuronium requirements for stable mechanical effect: comparison with or without previous succinylcholine administration. d'Hollander A, et al. **Anesth Analg** 1985 Mar;64(3):319-22

Vecuronium and d-tubocurarine combination: potentiation of effect. Mirakhur RK, et al. **Anesth Analg** 1985 Jul; 64(7):711-4

Vecuronium infusion dose requirements during fentanyl and halothane anesthesia in humans. Swen J, et al. **Anesth Analg** 1985 Apr;64(4):411-4

Hypothermic cardiopulmonary bypass and neuromuscular blockade by pancuronium and vecuronium. Buzello W, et al. **Anesthesiology** 1985 Feb;62(2):201-4

Failure of metronidazole to alter a vecuronium neuromuscular blockade in humans. d'Hollander A, et al. **Anesthesiology** 1985 Jul;63(1):99-102

Prolonged vecuronium neuromuscular blockade in a patient receiving orally administered dantrolene. Driessen JJ, et al. **Anesthesiology** 1985 Apr;62(4):523-4

Pharmacokinetics and pharmacodynamics of vecuronium (ORG NC 45) in patients with cirrhosis. Lebrault C, et al. **Anesthesiology** 1985 May;62(5):601-5

Clinical pharmacology of vecuronium and atracurium. Miller RD, et al. **Anesthesiology** 1984 Oct;61(4):444-53 (97 ref.)

Rapid tracheal intubation with vecuronium: the priming principle. Schwarz S, et al. **Anesthesiology** 1985 Apr; 62(4):388-91

A caution on vecuronium priming [letter] Sosis M. **Anesthesiology** 1985 Oct;63(4):460

Histaminoid responses to atracurium, vecuronium and tubocurarine. Lavery GG, et al. **Ann Fr Anesth Reanim** 1985;4(2):180-3

Interaction of some benzodiazepines and their solvents with vecuronium in the in vivo rat sciatic nerve-tibialis anterior muscle preparation. Driessen JJ, et al. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):277-88

Interactions between calcium entry blockers and vecuronium bromide in anaesthetized cats. Anderson KA, et al. **Br J Anaesth** 1985 Aug;57(8):775-81

Use of atracurium and vecuronium in patients with oesophageal varices. Bell CF, et al. **Br J Anaesth** 1985 Feb; 57(2):160-8

Effects of hepatic uptake of vecuronium bromide and its putative metabolites on their neuromuscular blocking actions in the cat. Bencini AF, et al. **Br J Anaesth** 1985 Aug;57(8):789-95

Disposition of vecuronium bromide in the cat. Bencini AF, et al. **Br J Anaesth** 1985 Aug;57(8):782-8

Vecuronium bromide in anaesthesia for laparoscopic sterilization. Caldwell JE, et al. **Br J Anaesth** 1985 Aug; 57(8):765-9

The use of different doses of vecuronium in patients with liver dysfunction. Hunter JM, et al. **Br J Anaesth** 1985 Aug;57(8):758-64

Factors affecting train-of-four fade. Pearce AC, et al. **Br J Anaesth** 1985 Jun;57(6):602-6

Prolonged neuromuscular blockade following vecuronium. A case report. Shanks AB, et al. **Br J Anaesth** 1985 Aug; 57(8):807-10

Use of vecuronium in carcinoid syndrome [letter] Simpson KH. **Br J Anaesth** 1985 Sep;57(9):934

Dose-response studies with pancuronium, vecuronium and their combination. Ferres CJ, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):947-50

Vecuronium in renal failure. Bevan DR, et al. **Can Anaesth Soc J** 1984 Sep;31(5):491-6

Vecuronium kinetics and dynamics in anesthetized infants and children. Fisher DM, et al. **Clin Pharmacol Ther** 1985 Apr;37(4):402-6

Atracurium and vecuronium: two unique neuromuscular blocking agents. Conner CS. **Drug Intell Clin Pharm** 1984 Sep;18(9):714-6

Neuromuscular block: atracurium and vecuronium compared and combined. Black TE, et al. **Eur J Anaesthesiol** 1985 Mar;2(1):29-37

Muscle relaxation with an infusion of vecuronium. Mirakhur RK, et al. **Eur J Anaesthesiol** 1984 Dec;1(4):353-9

New skeletal muscle relaxants in dogs and cats. Jones RS. **J Am Vet Med Assoc** 1985 Aug 1;187(3):281-2

Reaction to vecuronium bromide [letter] Spence AG, et al. **Lancet** 1985 Apr 27;1(8435):979-80

An unexpected complication of intravenous injection [letter] Widgington N, et al. **Lancet** 1985 Sep 7;2(8454):561

Vecuronium. **Med Lett Drugs Ther** 1984 Nov 9;26(674):102

Hemodynamic effects of diazepam-vecuronium-fentanyl sequence for induction of anesthesia for coronary artery surgery. Baraka A, et al. **Middle East J Anaesthesiol** 1984 Jun;7(5):337-46

Vecuronium: a new nondepolarizing neuromuscular-blocking agent. Clinical pharmacology, pharmacokinetics, cardiovascular effects and use in special clinical situations. Miller RD. **Pharmacotherapy** 1984 Sep-Oct;4(5):238-47

Neuromuscular blocking action of vecuronium in the dog and its reversal by neostigmine. Jones RS. **Res Vet Sci** 1985 Mar;38(2):193-6

[Anaphylactoid reaction to vecuronium (letter)] Brinquin L. **Ann Fr Anesth Reanim** 1985;4(2):244 (Fre)

[Anaphylactic shock caused by pancuronium and vecuronium] Conil C, et al. **Ann Fr Anesth Reanim** 1985; 4(2):241-3 (Eng. Abstr.) (Fre)

[Crossed anaphylaxis with vecuronium] Moneret-Vautrin DA, et al. **Ann Fr Anesth Reanim** 1984;3(6):467 (Fre)

[Comparative study of atracurium and vecuronium given in continuous injection] Neidhardt A, et al. **Cah Anesthesiol** 1984 Dec;32(8):645-8 (Fre)

[Pharmacokinetics and pharmacodynamics of vecuronium in children] Steinbereithner K, et al. **Cah Anesthesiol** 1984 Jan-Feb;32(1):5-10 (Eng. Abstr.) (Fre)

[Pharmacodynamics of vecuronium. A clinical study] Krieg N. **Anaesthesist** 1985 Jul;34(7):340-5 (Eng. Abstr.) (Ger)

[The circulatory effects of Org NC 45 (Norcuron) on three different anesthetic methods in patients with healthy hearts] Riegler R, et al. **Anaesthesist** 1984 Aug;33(8):363-5 (Eng. Abstr.) (Ger)

[Comparative clinical studies on vecuronium, atracurium and pancuronium in older patients] Schaer H, et al. **Anaesthesist** 1984 Nov;33(11):543-7 (Eng. Abstr.) (Ger)

[Circulatory effects of vecuronium as well as pancuronium under different conditions of anesthesia] Markschies-Hornung A, et al. **Anasth Intensivther Notfallmed** 1985 Apr;20(2):57-61 (Eng. Abstr.) (Ger)

[The interaction between vecuronium (NC 45) and pancuronium or d-tubocurarine in the rat phrenic nerve-hemidiaphragm preparation] Amaki Y, et al. **Masui** 1984 Oct;33(10):1137-40 (Eng. Abstr.) (Jpn)

[A comparative study of atracurium, vecuronium and pancuronium using the rat phrenic nerve diaphragm preparation] Fukushima K, et al. **Masui** 1985 Jan; 34(1):66-70 (Eng. Abstr.) (Jpn)

[The clinical evaluation of Org-NC45 in pediatric anaesthesia] Obara H, et al. **Masui** 1985 Jun;34(6):799-804 (Eng. Abstr.) (Jpn)

[Neuromuscular blocking action and pharmacokinetics of vecuronium bromide in man--a comparison with pancuronium bromide] Sugai N, et al. **Masui** 1985 Jan; 34(1):59-65 (Eng. Abstr.) (Jpn)

[Vecuronium: disadvantages and solutions (letter)] Miralles JA. **Rev Esp Anestesiol Reanim** 1984 Sep-Oct;31(5):213 (Spa)

ANTAGONISTS & INHIBITORS

Atropine vs glycopyrrolate during reversal of pancuronium block in patients anaesthetized with halothane. Takkunen O, et al. **Acta Anaesthesiol Scand** 1984 Aug;28(4):377-80

Antagonism of pancuronium neuromuscular blockade in halothane-anesthetized ponies using neostigmine and edrophonium. Hildebrand SV, et al. **Am J Vet Res** 1984 Nov;45(11):2276-80

DIAGNOSTIC USE

Failure of Pavulon to consistently provide adequate EMG attenuation for recording electrocerebral inactivity. Reilly EL, et al. **Clin Electroencephalogr** 1985 Apr;16(2):72-6

PHARMACODYNAMICS

The effects of d-tubocurarine, pancuronium and atracurium on the responses of gastrocnemius and soleus muscles in the cat. Choi WW, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):608-11

Precurarization with vecuronium and pancuronium in awake, healthy volunteers: the influence on neuromuscular transmission and pulmonary function. Engbaek J, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):117-20

Vecuronium and atracurium in the elderly: a clinical comparison with pancuronium. Lowry KG, et al. **Acta Anaesthesiol Scand** 1985 May;29(4):405-8

Circulatory effects of pancuronium and alcuronium in patients with coronary artery stenosis. Ohqvist G, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):22-5

Response differences of paretic and healthy extremities to pancuronium and neostigmine in hemiplegic patients. Iwasaki H, et al. **Anesth Analg** 1985 Sep;64(9):864-6

Cardiac electrophysiologic effects of pancuronium. Jacobs HK, et al. **Anesth Analg** 1985 Jul;64(7):693-9

Verapamil potentiation of neuromuscular blockade: failure of reversal with neostigmine but prompt reversal with edrophonium. Jones RM, et al. **Anesth Analg** 1985 Oct; 64(10):1021-5

Hypothermic cardiopulmonary bypass and neuromuscular blockade by pancuronium and vecuronium. Buzello W, et al. **Anesthesiology** 1985 Feb;62(2):201-4

Functional residual capacity, thoracoabdominal dimensions, and central blood volume during general anesthesia with muscle paralysis and mechanical ventilation. Hedenstierna G, et al. **Anesthesiology** 1985 Mar;62(3):247-54

In vitro interaction of diazepam and oxazepam with pancuronium and suxamethonium. Driessen JJ, et al. **Br J Anaesth** 1984 Oct;56(10):1131-8

Differential effects of myoneural blocking drugs on neuromuscular transmission in infants. Robbins R, et al. **Br J Anaesth** 1984 Oct;56(10):1095-9

Dose-response studies with pancuronium, vecuronium and their combination. Ferres CJ, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):947-50

Failure of gallamine and pancuronium to inhibit selectively (-)-[3H]quinuclidinyl benzilate binding in guinea-pig atria. Choo LK, et al. **Can J Physiol Pharmacol** 1985 Mar; 63(3):200-8

Lidocaine-pancuronium bromide retrobulbar injection: experimental studies of simultaneous neural and myoneural blockage for profound akinesia. Singh R, et al. **Ophthalmic Surg** 1984 Dec;15(12):996-9

Cerebral blood flow and metabolism following pancuronium bromide in newborn lambs. Belik J, et al. **Pediatr Res** 1984 Dec;18(12):1305-8

Cardiovascular and catecholamine changes after administration of pancuronium in distressed neonates. Cabal LA, et al. **Pediatrics** 1985 Feb;75(2):284-7

[The interaction between vecuronium (NC 45) and pancuronium or d-tubocurarine in the rat phrenic nerve-hemidiaphragm preparation] Amaki Y, et al. **Masui** 1984 Oct;33(10):1137-40 (Eng. Abstr.) (Jpn)

[A comparative study of atracurium, vecuronium and pancuronium using the rat phrenic nerve diaphragm preparation] Fukushima K, et al. **Masui** 1985 Jan; 34(1):66-70 (Eng. Abstr.) (Jpn)

[Neuromuscular blocking action and pharmacokinetics of vecuronium bromide in man--a comparison with pancuronium bromide] Sugai N, et al. **Masui** 1985 Jan; 34(1):59-65 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Reduction in intraventricular hemorrhage by elimination of fluctuating cerebral blood-flow velocity in preterm infants with respiratory distress syndrome. Perlman JM, et al. **N Engl J Med** 1985 May 23;312(21):1353-7

Muscle relaxation and periventricular hemorrhage [letter] Reynolds EO, et al. **N Engl J Med** 1985 Oct 10; 313(15):955-6

PANCYTOPENIA

BLOOD

Neoplastic v reactive hematopoiesis in oxalosis [letter] Crosby WH. **Arch Intern Med** 1985 Mar;145(3):573-4

A simple mathematical method revealing the early stage of acute leukemia in patients with cytopenias. Jaworkowsky LI, et al. **Folia Haematol (Leipz)** 1984;111(5):701-6

CHEMICALLY INDUCED

Amoxycillin induced pancytopenia. Irvine AE, et al. **Br Med J [Clin Res]** 1985 Mar 30;290(6473):968-9

Pancytopenia associated with coal treatment. Kokkini G, et al. **Haematologica (Pavia)** 1984 Jul-Aug;69(4):454-7

Neonatal pancytopenia after maternal azathioprine therapy [letter] Alter BP. **J Pediatr** 1985 Apr;106(4):691

Neonatal pancytopenia and severe combined immunodeficiency associated with antenatal administration of azathioprine and prednisone. DeWitte DB, et al. **J Pediatr** 1984 Oct;105(4):625-8

[Central pancytopenia secondary to the ingestion of carbamates (letter)] Deumier B, et al. **Presse Med** 1985 Jan 12;14(1):46 (Fre)

[Drug-induced pancytopenia and systemic lupus erythematosus. Immune suppression of hemopoietic progenitor cells in the presence of the patient's peripheral blood cells, acute serum and the drug] Koike K, et al. **Rinsho Ketsueki** 1984 Oct;25(10):1635-40 (Eng. Abstr.) (Jpn)

COMPLICATIONS

Dyskeratosis congenita with hypoplastic anemia: a stem cell defect. Friedland M, et al. **Am J Hematol** 1985 Sep; 20(1):85-7

A myelodysplastic syndrome preceding acute lymphoblastic leukaemia. Berneman ZN, et al. **Br J Haematol** 1985 Jun; 60(2):353-4

Dyskeratosis congenita with pancytopenia. Dodd HJ, et al. **Clin Exp Dermatol** 1985 Jan;10(1):73-8

Bone marrow failure and pancytopenia in two patients with hypothermia. Rosenkranz L. **South Med J** 1985 Mar; 78(3):358-9

[Hemo-obstructive ileus in secondary pancytopenia] Cerný E, et al. **Cas Lek Cesk** 1985 Aug 30;124(35):1113-4 (Eng. Abstr.) (Cze)

[Angioimmunoblastic lymphadenopathy with dysproteinemia and pancytopenia] Hon'e J, et al. **Nippon Rinsho** 1985 Mar; 43(3):620-5 (Jpn)

[A case of childhood leukemia associated with transient pancytopenia and diabetes insipidus during the clinical course] Sasaki H, et al. **Rinsho Ketsueki** 1984 Aug; 25(8):1320-5 (Eng. Abstr.) (Jpn)

DIAGNOSIS

[Method of detecting the early stage of acute leukemia in patients with cytopenias] Soloveĭ DIa, et al. **Gematol Transfuziol** 1985 Feb;30(2):54-7 (Rus)

ETIOLOGY

A simplified radioimmunoassay for antibodies causing

NEWARK PUBLIC LIBRARY

immune cytopenia. Loomis K, et al. **Am J Clin Pathol** 1985 Jan;83(1):12-7

Pancytopenia with a hypercellular bone marrow as a possible paraneoplastic syndrome [letter] Haznedar R. **Am J Hematol** 1985 Jun;19(2):205-6

Rapidly progressive pancytopenia, hepatomegaly, and abnormal lung uptake of colloid in systemic lupus erythematosus: possible saturation of reticuloendothelial system with blood elements. Sakurai T, et al. **Henry Ford Hosp Med J** 1984;32(2):142-5

Pancytopenia and D.I.C. in disseminated tuberculosis. Sarma PS, et al. **J Assoc Physicians India** 1984 Jul;32(7):601-2

[Acute disseminated tuberculosis with pancytopenia and a favorable outcome] Rebattu P, et al. **Rev Pneumol Clin** 1985;41(1):65-8 (Eng. Abstr.) **(Fre)**

[A 64-year-old patient with diffuse bleeding tendency and pancytopenia] Binsack T, et al. **Internist (Berlin)** 1985 Jun; 26(6):369-71 **(Ger)**

[Pancytopenia] Marti HR. **Schweiz Rundsch Med Prax** 1985 Jan 15;74(3):31-3 (15 ref.) (Eng. Abstr.) **(Ger)**

[A case report of extrapulmonary tuberculosis with pancytopenia] Vidaković B, et al. **Srp Arh Celok Lek** 1984 Feb;112(2):243-8 (Eng. Abstr.) **(Sec)**

FAMILIAL & GENETIC

Multiple dysmorphic features and pancytopenia: a new syndrome? Sackey K, et al. **Clin Genet** 1985 Jun; 27(6):606-10

MICROBIOLOGY

Isolation and characterization of a human T cell leukemia virus type II from a hemophilia-A patient with pancytopenia. Kalyanaraman VS, et al. **EMBO J** 1985 Jun; 4(6):1455-60

THERAPY

Marrow transplantation for pancytopenia in dyskeratosis congenita. Mahmoud HK, et al. **Blut** 1985 Jul;51(1):57-60

VETERINARY

Suspected feline leukemia virus infection and pancytopenia in a western cougar. Meric SM. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1390-1

Bone marrow necrosis associated with pancytopenia in a cow. Weiss DJ, et al. **Vet Pathol** 1985 Jan;22(1):90-2

PANGAMIC ACID see under **VITAMIN B COMPLEX**

PANIC see under **FEAR**

PANLEUKOPENIA, FELINE see **FELINE INFECTIOUS ENTERITIS**

PANNICULITIS, NODULAR NONSUPPURATIVE

Systemic nodular panniculitis (Weber-Christian disease) in a black woman. A case report. Theron HD, et al. **S Afr Med J** 1985 Aug 31;68(5):338-40

[Weber-Christian syndrome] Marra N, et al. **Recenti Prog Med** 1984 Jun;75(6):603-21 (98 ref.) (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Panniculitis associated with cutaneous T-cell lymphoma and cytophagocytic histiocytosis. Aronson IK, et al. **Br J Dermatol** 1985 Jan;112(1):87-96

Weber-Christian panniculitis with immune complex glomerulonephritis. Vassall JH 2d. **J Natl Med Assoc** 1985 Mar;77(3):237, 241-3

Case 1. Systemic amyloidosis in an infant with panniculitis and pancreatitis. Abramowsky CR. **Pediatr Pathol** 1984; 2(3):331-6

[Weber-Christian disease associated with familial alpha-1-antitrypsin deficiency. Apropos of a case] Lonchampt F, et al. **Ann Dermatol Venereol** 1985; 112(1):35-9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Panniculitis in infants [letter] Silverman AK. **Arch Dermatol** 1985 Jul;121(7):834

[Mesenteric lipodystrophy: differential diagnosis of a benign abdominal tumor] Janisch HD, et al. **Wien Med Wochenschr** 1984 Sep 30;134(18):417-9 (Eng. Abstr.) **(Ger)**

[A case of Weber-Christian disease with interesting abdominal lesions found by abdominal ultrasonography and computerized tomography] Ishizuka J, et al. **Nippon Naika Gakkai Zasshi** 1984 Oct;73(10):1470-6 **(Jpn)**

[Recurrent nodular panniculitis. Weber-Christian disease (letter)] Fonseca Capdevila E. **Med Clin (Barc)** 1985 Apr 13;84(14):587-8 **(Spa)**

ETIOLOGY

Polymyositis presenting with panniculitis. Raimer SS, et al. **J Am Acad Dermatol** 1985 Aug;13(2 Pt 2):366-9

FAMILIAL & GENETIC

Relationship between Weber-Christian panniculitis and the ZZ phenotype of alpha1-antitrypsin. Bleumink E, et al. **Arch Dermatol Res** 1985;277(4):328-9

METABOLISM

[An autopsy case of Weber-Christian disease associated with abnormal lipid metabolism] Kato M, et al. **Nippon Naika Gakkai Zasshi** 1985 Jan;74(1):54-61 **(Jpn)**

MORTALITY

Fatal panniculitis. Aronson IK, et al. **J Am Acad Dermatol** 1985 Mar;12(3):535-51

PATHOLOGY

Panniculitis in Pseudomonas aeruginosa septicemia. Llistosella E, et al. **Acta Derm Venereol (Stockh)** 1984; 64(5):447-9

Histoplasma panniculitis. Abildgaard WH Jr, et al. **Arch Dermatol** 1985 Jul;121(7):914-6

Septal granulomatous panniculitis in Sweet's syndrome. Report of two cases. Blaustein A, et al. **Arch Dermatol** 1985 Jun;121(6):785-8

Cytophagic histiocytic panniculitis. Systemic histiocytosis presenting as chronic, nonhealing, ulcerative skin lesions. Willis SM, et al. **Arch Dermatol** 1985 Jul;121(7):910-3

Cytophagic histiocytic panniculitis. A variant of malignant histiocytosis. Barron DR, et al. **Cancer** 1985 Jun 1; 55(11):2538-42

Eosinophilic panniculitis. Burket JM, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 2):161-4

[Weber-Christian disease. Apropos of a case with systemic involvetnent] Boisnic S, et al. **Arch Anat Cytol Pathol** 1985; 33(2):69-72 (Eng. Abstr.) **(Fre)**

[Inflammatory pseudotumor of the breast due to panniculitis. Histological and immunohistochemical studies of 7 cases] Katzer B, et al. **Pathologe** 1985 May;6(3):113-8 **(Ger)**

[Weber-Christian disease with systemic involvement. Apropos of a case of histiocytic cytophagous panniculitis] Valentini F. **Minerva Med** 1985 Apr 28;76(17-18):865-72 (Eng. Abstr.) **(Ita)**

[Spontaneous panniculitis (the Rothmann and Makai form)] Kovsh OIa, et al. **Klin Med (Mosk)** 1985 Apr;63(4):118-9 **(Rus)**

[Recurrent nodular panniculitis. Weber-Christian disease] Urrutia A, et al. **Med Clin (Barc)** 1984 Oct 20;83(12):500-3 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Ascites, gastrointestinal bleeding, and leg nodules. Goldman MP. **Arch Dermatol** 1985 May;121(5):673-4, 676

Weber-Christian disease. Analysis of 15 cases and review of the literature. Panush RS, et al. **Medicine (Baltimore)** 1985 May;64(3):181-91 (260 ref.)

VETERINARY

Panniculitis in an aged pony resembling Weber-Christian disease in man. Dyson S, et al. **Equine Vet J** 1985 Mar; 17(2):145-7

PANOPHTHALMITIS

DIAGNOSIS

Bacillus cereus panophthalmitis appearing as acute glaucoma in a drug addict. Grossniklaus H, et al. **Am J Ophthalmol** 1985 Aug 15;100(2):334-5

[Candida endophthalmitis: diagnosis, course and therapy in 8 patients] Marugg D, et al. **Schweiz Med Wochenschr** 1985 Jan 26;115(4):132-4 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Histopathologic study of changes occurring in eyes with intraocular lens implantation: autopsy eyes, enucleated eyes and corneal buttons. Riedel KG, et al. **Acta Ophthalmol [Suppl] (Copenh)** 1985;170:11-33

Moraxella nonliquefaciens endophthalmitis after trabeculectomy. Lobue TD, et al. **Am J Ophthalmol** 1985 Mar 15;99(3):343-5

Mycotic endophthalmitis caused by Penicillium sp. after parenteral drug abuse. Swan SK, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):408-10

Unilateral blindness caused by infection with the Lyme disease spirochete, Borrelia burgdorferi. Steere AC, et al. **Ann Intern Med** 1985 Sep;103(3):382-4

[Pneumococcal postoperative endophthalmitis] Salvanet-Bouccara A, et al. **J Fr Ophtalmol** 1984; 7(8-9):535-8 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

The failure of cyclosporin to inhibit granulomatous inflammation in acute Arthus-like panophthalmitis. Palestine AG, et al. **Immunol Lett** 1985;9(4):235-7

MICROBIOLOGY

[Bilateral endogenous Klebsiella endophthalmitis] Malan P, et al. **Bull Soc Ophtalmol Fr** 1984 Aug-Sep;84(8-9):961-4 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Lens implant cyto-pathology in postoperative Proteus panophthalmitis. Wolter JR, et al. **Ophthalmic Surg** 1984 Aug;15(8):661-5

PANORAMIC RADIOGRAPHY see **RADIOGRAPHY, PANORAMIC**

PANSTRONGYLUS see under **TRIATOMIDAE**

PANTETHEINE see under **SULFHYDRYL COMPOUNDS**

PANTOTHENIC ACID

ADMINISTRATION & DOSAGE

Pantothenic acid status of pregnant and lactating women. Song WO, et al. **J Am Diet Assoc** 1985 Feb;85(2):192-8

ANALOGS & DERIVATIVES

Direct determination of D-panthenol in pharmaceutical preparations by ion-pair chromatography. Bui-Nguyên MH. **J Chromatogr** 1984 Oct 26;303(1):291-5

Pantoyl-gamma-aminobutyric acid facilitates cholinergic function in the central nervous system. Nakahiro M, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):501-6

Effects of calcium hopantenate on neurotransmitter receptors in the rat brain. Ogawa N, et al. **Jpn J Pharmacol** 1985 Jan;37(1):45-50

Studies on homopantothenic acid. Nishizawa Y. **Med J Osaka Univ** 1984 Sep;35(1-2):41-50 (29 ref.)

[The percutaneous effect of a heparin-allantoin-dexpanthenol combination in a specific ointment base. Anti-allergic, anti-inflammatory effect in the PCA test in the rat] Rudolph C, et al. **Arzneimittelforsch** 1984;34(12):1766-8 (Eng. Abstr.) **(Ger)**

[The percutaneous action of a heparin-allantoin-dexpanthenol combination in a specific ointment base. Thrombolytic action on the rabbit ear] Tauschel HD, et al. **Arzneimittelforsch** 1984;34(12):1768-72 (Eng. Abstr.) **(Ger)**

[Recent advances in brain metabolic activators] Ohtomo E. **No To Shinkei** 1984 Jul;36(7):619-32 (33 ref.) **(Jpn)**

[Antitoxic properties of pantothenic acid derivatives, precursors of coenzyme A biosynthesis, with regard to kanamycin] Moiseenok AG, et al. **Antibiotiki** 1984 Nov; 29(11):851-5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Determination of pantothenic acid, biotin, and vitamin B12 in nutritional products. Hudson TS, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):994-8

DEFICIENCY

[Acid-soluble CoA and free amino acid levels in the liver of pantothenic acid-deficient albino rats after separate and combined administration of panthotenic acid and cysteine] Moiseenok AG, et al. **Vopr Pitan** 1984 Jul-Aug;(4):37-9 (Eng. Abstr.) **(Rus)**

METABOLISM

A pantothenate derivative is covalently bound to mitochondrial proteins in Neurospora crassa. Lakin-Thomas PL, et al. **Eur J Biochem** 1985 Jan 2; 146(1):141-7

Pantothenate transport in Escherichia coli. Vallari DS, et al. **J Bacteriol** 1985 Jun;162(3):1156-61

The mechanism of pantothenate transport by rat liver parenchymal cells in primary culture. Smith CM, et al. **J Biol Chem** 1985 Apr 25;260(8):4823-31

Comparative pharmacokinetics of [65Zn]zinc sulfate and [65Zn]zinc pantothenate injected intravenously in rabbits. Guillard O, et al. **J Pharm Sci** 1984 Nov;73(11):1642-3

[Comparative studies on thiamine, pantothenic acid and nicotinic acid metabolism in the digestive system of rats] Stepanova LN, et al. **Vopr Pitan** 1984 Jul-Aug;(4):45-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of supplemental pantothenic acid on wound healing: experimental study in rabbit. Aprahamian M, et al. **Am J Clin Nutr** 1985 Mar;41(3):578-89

Pantethine and pantothenate effect on the CoA content of rat liver. Branca D, et al. **Int J Vitam Nutr Res** 1984; 54(2-3):211-6

Nutritional requirements of Plasmodium falciparum in culture. I. Exogenously supplied dialyzable components necessary for continuous growth. Divo AA, et al. **J Protozool** 1985 Feb;32(1):59-64

THERAPEUTIC USE

Role of pantothenic acid in chloroquine induced skin toxicity. Bhasin V, et al. **J Indian Med Assoc** 1984 Dec;82(12):447-8

PAPAIN

Structure of papain refined at 1.65 A resolution. Kamphuis IG, et al. **J Mol Biol** 1984 Oct 25;179(2):233-56

[Synthesis of leucine- and methionine-enkephalin using papain] Zapevalova NP, et al. **Bioorg Khim** 1985 Jun; 11(6):733-7 (Eng. Abstr.) **(Rus)**

[Use of Soviet papain for isoserologic studies] Danilova TN, et al. **Lab Delo** 1984;(9):567-9 (Eng. Abstr.) **(Rus)**

[Complex dynamic study of experimental papain arthritis] Ternovol NK, et al. **Ortop Travmatol Protez** 1984 Aug; (8):41-4 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Papain-furacillin dialysis and ultrasonic therapy combined with active surgical treatment of acute destructive lactation mastitis] Udod VM, et al. **Klin Khir** 1985 Jan;(1):33-5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

A substance in papain extracts causes agglutination of Dantu-positive red cells: another pitfall for the unwary [letter] Plantos M, et al. **Transfusion** 1985 Jan-Feb;25(1):84

ANALYSIS

Development of a radioimmunoassay for papain. Rauch P, et al. **J Immunol Methods** 1984 Oct 12;73(1):125-32

ANTAGONISTS & INHIBITORS

Inhibition of cysteine proteinases and dipeptidyl peptidase I by egg-white cystatin. Nicklin MJ, et al. **Biochem J** 1984 Oct 1;223(1):245-53

A new function of kininogens as thiol-proteinase inhibitors: inhibition of papain and cathepsins B, H and L by bovine, rat and human plasma kininogens. Sueyoshi T, et al. **FEBS Lett** 1985 Mar 11;182(1):193-5

Partial purification and some properties of a new papain inhibitor from psoriatic scales. Järvinen M, et al. **J Invest Dermatol** 1984 May;82(5):471-6

METABOLISM

Comparative resonance Raman spectroscopic and kinetic studies of acyl-enzymes involving papain, actinidin and papaya peptidase II. Brocklehurst K, et al. **Biochem J** 1984 Nov 1;223(3):649-57

Chemical synthesis and papain-catalysed hydrolysis of N-alpha-benzyloxycarbonyl-L-lysine p-nitroanilide. Mackenzie NE, et al. **Biochem J** 1985 Mar 1;226(2):601-6

A general framework of cysteine-proteinase mechanism deduced from studies on enzymes with structurally different analogous catalytic-site residues Asp-158 and -161 (papain and actinidin), Gly-196 (cathepsin B) and Asn-165 (cathepsin H). Kinetic studies up to pH 8 of the hydrolysis of N-alpha-benzyloxycarbonyl-L-arginyl-L-arginine 2-naphthylamide catalysed by cathepsin B and of L-arginine 2-naphthylamide catalysed by cathepsin H. Willenbrock F, et al. **Biochem J** 1985 Apr 15;227(2):521-8

The proteolytic activities of chymopapain, papain, and papaya proteinase III. Zucker S, et al. **Biochim Biophys Acta** 1985 Apr 5;828(2):196-204

Requirement of the 20-kDa light chain for the papain-resistant conformation of gizzard myosin. Kumon A, et al. **Eur J Biochem** 1984 Nov 2;144(3):629-35

Papain digestion of the subunits of (Na,K)-ATPase. Kamimura K, et al. **FEBS Lett** 1985 Jul 22;187(1):135-40

Behavior of enzyme activity in immobilized proteases. Kumakura M, et al. **Int J Biochem** 1984;16(11):1159-61

Identity of acyl group conformations in the active sites of papain and cathepsin B by resonance Raman spectroscopy. Carey PR, et al. **J Biol Chem** 1984 Dec 10;259(23):14357-60

Actinidin hydrolysis of substituted-phenyl hippurates: a quantitative structure-activity relationship and graphics comparison with hydrolysis by papain. Carotti A, et al. **J Med Chem** 1984 Nov;27(11):1401-5

Structure-activity relationship of the ficin hydrolysis of phenyl hippurates. Comparison with papain, actinidin, and bromelain. Carotti A, et al. **J Med Chem** 1984 Nov; 27(11):1427-31

PHARMACODYNAMICS

Mechanism of T-dependent cytotoxicity: role of papain-sensitive non class I MHC target molecules and expression of target antigen for cytotoxicity. Bonavida B, et al. **Adv Exp Med Biol** 1985;184:415-28

Enzymatic digestion of esophageal meat impaction. A study of Adolph's Meat Tenderizer. Goldner F, et al. **Dig Dis Sci** 1985 May;30(5):456-9

Effect of papain digestion on redox-linked proton translocation in b-c1 complex from beef heart reconstituted into liposomes. Lorusso M, et al. **FEBS Lett** 1985 Mar 25; 182(2):370-4

RADIATION EFFECTS

The inactivation of papain by high LET radiations. Bisby RH, et al. **Int J Radiat Biol** 1984 Sep;46(3):261-8

THERAPEUTIC USE

[Lekopain in the treatment of chronic osteomyelitis (preliminary report)] Krauze W, et al. **Folia Med Cracov** 1984;25(1-2):200-6 (Eng. Abstr.) **(Pol)**

[Clinico-electromyographic parallels in the evaluation of the results of treating lumbar osteochondrosis by the papain nucleolysis technic] Kaz'min AI, et al. **Ortop Travmatol Protez** 1984 Aug;(8):7-12 (Eng. Abstr.) **(Rus)**

[Use of the proteolytic enzyme preparation lekozim for treating chalazion] Polunin GS, et al. **Vestn Oftalmol** 1985 May-Jun;101(3):44-6 (Eng. Abstr.) **(Rus)**

[Use of lekozim in middle ear diseases] Tarasov DI, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):43-7 (Eng. Abstr.) **(Rus)**

TOXICITY

Contact urticaria from papain in a soft lens solution. Santucci B, et al. **Contact Dermatitis** 1985 Apr;12(4):233

[Pathogenetic aspects of papain-induced pulmonary emphysema in rabbits] Gerovich LM, et al. **Patol Fiziol Eksp Ter** 1985 May-Jun;(3):47-9 (Eng. Abstr.) **(Rus)**

PAPAVER

see related
OPIUM

ANALYSIS

[Selection of opium poppy. On the relation of incision time of poppy (Ikkanshu) capsule to morphine and codeine yields] Satake M, et al. **Eisei Shikenjo Hokoku** 1984; (102):117-20 (Eng. Abstr.) **(Jpn)**

METABOLISM

Dopamine biosynthesis at different stages of plant development in Papaver somniferum. Kamo KK, et al. **J Nat Prod** 1984 Jul-Aug;47(4):682-6

A second pathway for the terminal steps in the biosynthesis of morphine. Brochmann-Hanssen E. **Planta Med** 1984 Aug;50(4):343-5

PAPAVERETUM see **OPIUM**

PAPAVERINE

Papaverine hydrochloride as an adjunct to asanguinous cardioplegia, is it beneficial? Hines GL, et al. **J Cardiovasc Surg (Torino)** 1985 Mar-Apr;26(2):196-9

Papaverine irrigation of vein grafts [letter] Olinger GN, et al. **J Thorac Cardiovasc Surg** 1985 Feb;89(2):315-6

Clinical advantages of papaverine cardioplegia. Ashraf H, et al. **Thorac Cardiovasc Surg** 1985 Apr;33(2):71-5

[Study of the hyperemic reserve of the myocardium with the aid of papaverine] Azorin J, et al. **Ann Chir** 1983 Mar; 37(2):143-9 (Eng. Abstr.) **(Fre)**

[Solid dispersions of papaverine lauryl sulfate in polyoxyethyleneglycol 4000] Draguet-Brughmans M, et al. **Pharm Acta Helv** 1984;59(11):310-5 **(Fre)**

[Benzylisoquinoline alkaloid reactions with barbiturates. Reaction of papaverine with sodium phenobarbital. III. Avoidance of incompatibility by using the beta-cyclodextrin inclusion complex] Rácz I, et al. **Acta Pharm Hung** 1984 Jul;54(4):154-9 (Eng. Abstr.) **(Hun)**

ADMINISTRATION & DOSAGE

The use of topical vasodilators as an adjunct in infant renal surgery. Gearhart JP, et al. **J Urol** 1985 Aug;134(2):298-300

Auto-injection of the corpus cavernosum with a vasoactive drug combination for vasculogenic impotence. Zorgniotti AW, et al. **J Urol** 1985 Jan;133(1):39-41

[Montmorillonite as a pharmaceutical carrier: interaction with papaverine] Forni F, et al. **Farmaco [Prat]** 1985 Apr; 40(4):101-10 (Eng. Abstr.) **(Ita)**

[Treatment of organic impotence. Self-administered intracavernous injection of papaverin HC1 (a preliminary report)] Takamura T, et al. **Hinyokika Kiyo** 1985 Jan; 31(1):97-9 (Eng. Abstr.) **(Jpn)**

[Effect of electrophoresis of atropine, ganglerone, papaverine and magnesium sulfate on liver hemodynamics studied by rheography] Afanas'ev AV, et al. **Vrach Delo** 1985 Feb; (2):32-4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

About pharmacologically induced prolonged erection [letter] Virag R. **Lancet** 1985 Mar 2;1(8427):519-20

ANALOGS & DERIVATIVES

Calcium-entry blockers. A heterogeneous family of compounds. Andersson KE. **Acta Med Scand [Suppl]** 1985; 694:142-52 (78 ref.)

Illicit heroin manufacturing byproducts: capillary gas chromatographic determination and structural elucidation of narcotine- and norlaudanosine-related compounds. Allen AC, et al. **Anal Chem** 1984 Dec;56(14):2940-7

A new method for high-performance liquid chromatographic determination of drotaverine in plasma. Mezei J, et al. **J Pharm Sci** 1984 Oct;73(10):1489-91

Examination of the pain relieving-effect of intra-arterial No-Spa treatment of coxarthrosis. Barta O, et al. **Ther Hung** 1982;30(2):79-82

Intra-arterial use of No-Spa+lidocaine in coxarthrosis. Tantó Z, et al. **Ther Hung** 1982;30(3):134-6

[Comparative action of different platelet anti-aggregants in the postoperative period] Lapeyrère X, et al. **Cah Anesthesiol** 1984 Mar;32(2):123-5 **(Fre)**

ANALYSIS

pH-Solubility profile of papaverine hydrochloride and its relationship to the dissolution rate of sustained-release pellets. Serajuddin AT, et al. **J Pharm Sci** 1984 Sep; 73(9):1203-8

DIAGNOSTIC USE

Simultaneous determination of brachial and femoral arterial pressures during reactive hyperemia and papaverine vasodilation. Padberg FT Jr, et al. **Am Surg** 1985 Apr; 51(4):237-41

Intraoperative assessment of aortoiliac stenosis: role of papaverine-induced hyperemia. Brian JE Jr, et al. **J Arkansas Med Soc** 1984 Dec;81(7):361-4

Aortofemoral or femoropopliteal revascularization? A prospective evaluation of the papaverine test. Flanigan DP, et al. **J Vasc Surg** 1984 Jan;1(1):215-23

Evaluation of arteriogenic impotence with intracorporeal injection of papaverine and the duplex ultrasound scanner. Lue TF, et al. **Semin Urol** 1985 Feb;3(1):43-8

METABOLISM

Papaverine disposition in cardiac surgery patients and the effect of cardiopulmonary bypass. Kramer WG, et al. **Eur J Clin Pharmacol** 1984;27(2):127-30

Transport of papaverine in rat kidney cortical slices. Nakajima M, et al. **J Pharmacobiodyn** 1984 Nov;7(11):830-5

Interaction of papaverine with covalently closed DNA. Masotti L, et al. **Microbiologica** 1985 Jul;8(3):263-8

PHARMACODYNAMICS

System and organ-selectivity of smooth muscle relaxants on in vitro spontaneously contracting preparations. Manzini S, et al. **Arch Int Pharmacodyn Ther** 1984 Jul;270(1):50-60

Inhibition of guanylate cyclases by methylxanthines and papaverine. Strinden ST, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):1194-200

Lack of a causal relationship between the vasodilator effect of papaverine and cyclic AMP production in the dog basilar artery. Fujioka M. **Br J Pharmacol** 1984 Sep; 83(1):113-24

Inhibitory effects of forskolin and papaverine on nerve conduction partially blocked by tetrodotoxin in the frog sciatic nerve. Ribeiro JA, et al. **Br J Pharmacol** 1985 May; 85(1):309-13

Antispasmodic effects of an alkaloid extracted from Phyllanthus sellowianus: a comparative study with papaverine. Calixto JB, et al. **Braz J Med Biol Res** 1984; 17(3-4):313-21

The effects of tetrodotoxin, papaverine and verapamil on the increase in the rate of spontaneous afferent discharges induced by local anesthetics from the pulmonary mechanoreceptors of the bullfrog. Kontani H, et al. **Jpn J Pharmacol** 1985 Jan;37(1):1-12

Mechanism of relaxant action of papaverine. VI. Sodium ion dependence of its effect on 45Ca-efflux in guinea-pig taenia coli. Sunagane N, et al. **Jpn J Pharmacol** 1985 Jun; 38(2):133-9

Mechanism of relaxant action of papaverine IV. Roles of sodium ion and cyclic AMP. Sunagane N, et al. **Jpn J Pharmacol** 1984 Aug;35(4):461-4

Papaverine enhances the effect of adenosine in guinea-pig atria. Moritoki H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):326-31

Effects of hypercapnia and papaverine on cerebrospinal fluid formation and choroid plexus blood flow. Higashi K, et al. **Neurol Med Chir (Tokyo)** 1985 Jan;25(1):1-8

Enhancement of tissue expansion by anticontractile agents. Lee P, et al. **Plast Reconstr Surg** 1985 Oct;76(4):604-10

No intracerebral steal phenomenon in the ischemic brain following papaverine administration. Gogolak I, et al. **Stroke** 1985 Jan-Feb;16(1):114-7

Inhibitory effect of papaverine on RNA and protein synthesis of vesicular stomatitis virus. Mukherjee PK, et al. **Virus Res** 1985 Jul;3(1):57-67

[The effect of analgesics and psychopharmaceuticals on myocardial injury] Mitová M, et al. **Cesk Patol** 1984 Nov; 20(4):215-20 (Eng. Abstr.) **(Cze)**

[Influence of pH changes of the medium on relaxant actions of papaverine] Sunagane N, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):67-73 (Eng. Abstr.) **(Jpn)**

[Effect of papaverine on the absorption and metabolism of 14C- adenosine and 14C-adenine in thymocytes] Dmitrenko NP, et al. **Biokhimiia** 1984 Aug;49(8):1239-47 (Eng. Abstr.) **(Rus)**

[Effect of hydrophobic compounds on rRNA synthesis in intact cells and isolated nuclei] Akhlynina TV, et al. **Biol Nauki** 1985;(4):27-31 (Eng. Abstr.) **(Rus)**

[Combined effect of adenosine and papaverine on the metabolism of adenine nucleotides in rat thymocytes] Dmitrienko NP, et al. **Ukr Biokhim Zh** 1985 Jul-Aug; 57(4):49-53 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The response to papaverine in coronary artery bypass graft flows. Foxworthy JV, et al. **J Cardiovasc Surg (Torino)**

NEWARK PUBLIC LIBRARY

1985 Sep-Oct;26(5):439-42

Papaverine treatment of vein grafts [letter] Catinella FP, et al. **J Thorac Cardiovasc Surg** 1985 Sep;90(3):452-3

Evaluation of treatment of impotence--where are we going? Lue TF. **West J Med** 1985 Apr;142(4):546

[Therapeutic significance of oxadilene in the treatment of ulcers of arterial or venous origin] Allart JC. **Phlebologie** 1984 Jul-Sep;37(3):369-72 **(Fre)**

[Treatment of cerebral circulatory insufficiency. Double-blind study of the efficacy of a quinine-papaverine combination] Klemm J. **Fortschr Med** 1984 Oct 18;102(39):1000-2 (Eng. Abstr.) **(Ger)**

[Sustained-release pellet of vasodilators--basic experiment] Okumura T, et al. **No Shinkei Geka** 1984 Oct;12(11):1265-71 (Eng. Abstr.) **(Jpn)**

[Bioelectrical, biochemical and histomorphological changes in the ocular tissues in pituitrin hypertension and the use of euphylline and papaverine] Strelkova NF, et al. **Farmakol Toksikol** 1984 Nov-Dec;47(6):53-6 (Eng. Abstr.) **(Rus)**

[Effect of papaverine on systemic and cerebral hemodynamics in atherosclerosis complicated by chronic cerebral circulatory insufficiency] Komorovskaia IaM, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1308-12 (Eng. Abstr.) **(Rus)**

PAPER

Complaints relating to the handling of carbonless copy paper in Sweden. Jeansson K, et al. **Am Ind Hyg Assoc J** 1984 Nov;45(11):B24, B26-7

Exposure to hydrogen sulfide, mercaptans and sulfur dioxide in pulp industry. Kangas J, et al. **Am Ind Hyg Assoc J** 1984 Dec;45(12):787-90

Dried blood spot test estimation of urea. Plumbe RM, et al. **Ann Clin Biochem** 1985 Jul;22 (Pt 4):408-11

Microbial incidence in upper respiratory tracts of workers in the paper industry. Niemelä SI, et al. **Appl Environ Microbiol** 1985 Jul;50(1):163-8

Quality control of reflectometric determinations of glucose in dried blood spots on filter paper. von Schenck H, et al. **Clin Chem** 1985 May;31(5):706-9

Paper--permanence and durability. Jirat-Wasiutynski T. **J Audiov Media Med** 1984 Oct;7(4):138-43

Comparison of X-ray film and photographic paper in recording CT images. Stephenson TF, et al. **J Comput Assist Tomogr** 1984 Dec;8(6):1161-3

Detection of autoantigens by immunoblotting using a peroxidase-anti-peroxidase complex. Frazer HE, et al. **J Immunol Methods** 1985 Jun 25;80(2):221-5

The effect of placebo and virucidal paper handkerchiefs on viral contamination of the hand and transmission of experimental rhinoviral infection. Hayden GF, et al. **J Infect Dis** 1985 Aug;152(2):403-7

Mortality among pulp and paper workers. Milham S Jr, et al. **J Occup Med** 1984 Nov;26(11):844-6

Occupational exposure to chlorophenates: toxicology and respiratory effects. Embree V, et al. **J Toxicol Clin Toxicol** 1984;22(4):317-29

[Hygienic evaluation of tea-bag paper] Chudisnkaia TA, et al. **Gig Sanit** 1984 Aug;(8):80-1 **(Rus)**

[Critical significance of several indicators of water supply contamination with waste water from the cellulose-paper industry] Korzun NL. **Gig Sanit** 1984 Nov;(11):11-3 (Eng. Abstr.) **(Rus)**

[Occupational dermatitis caused by pyrocatechol] Chistiakov ND, et al. **Vestn Dermatol Venerol** 1985 Feb;(2):59-60 (Eng. Abstr.) **(Rus)**

PAPILLARY MUSCLES

Ruptured papillary muscle, a complication of myocardial infarction: clinical presentation, diagnosis, and treatment. Clements SD Jr, et al. **Clin Cardiol** 1985 Feb;8(2):93-103

ABNORMALITIES

Anomalous coronary artery simulating parachute mitral valve. Rodin AE, et al. **Am J Clin Pathol** 1984 Nov;82(5):622-4

Left ventricular false tendons: echocardiographic incidence in India and clinical importance. Sethuraman KR, et al. **Int J Cardiol** 1984 Sep;6(3):385-7

ANATOMY & HISTOLOGY

Septomarginal trabecula in the right cardiac ventricle of some carnivores. Dudziak M, et al. **Folia Morphol** 1984;43(3):271-5

The papillary muscles of left ventricle in human heart. Treder-Mentuch A. **Folia Morphol** 1984;43(2):115-20

Microtubules in the heart muscle of the postnatal and adult rat. Cartwright J Jr, et al. **J Mol Cell Cardiol** 1985 Jan;17(1):1-7

[Morphology and arterial supply of the left ventricle papillary muscles in human] Zhao GR. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1984 Jun;12(2):141-3 (Eng. Abstr.) **(Chi)**

[Features of the angioarchitectonics of the papillary muscles and the chordae tendineae of the human heart] Sokolov VV, et al. **Arkh Anat Gistol Embriol** 1985 May;88(5):27-34 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Studies on the calcium antagonistic action of tetrandrine: IX. Effects of tetrandrine on action potential and contraction of isolated guinea pig papillary muscles. Zong XG, et al. **Acta Acad Med Wuhan** 1984;4(3):133-7

Myocardial reoxygenation damage. Can it be circumvented? Chappell SP, et al. **Adv Myocardiol** 1985;6:585-92

Stimulation of Ca-dependent action potentials in mammalian ventricular myocardium by a novel dihydropyridine. Nilius B. **Biomed Biochim Acta** 1984;43(12):1385-97

Inotropic effect of amrinone in rabbit papillary muscle: reversal of the myocardial depressant effect of halothane. Komai H, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1382-6

Phospholipase D produces increased contractile force in rabbit ventricular muscle. Langer GA, et al. **Circ Res** 1985 Jan;56(1):146-9

Electrophysiologic effects of AHR 10718 on isolated cardiac tissues. Damiano BP, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):243-55

Electrophysiological effects of bethanidine sulfate on guinea-pig papillary muscle. Inoue D, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):301-3

Electrophysiological effects of platelet-activating factor (PAF-acether) in guinea-pig papillary muscles. Tamargo J, et al. **Eur J Pharmacol** 1985 Feb 26;109(2):219-27

Amrinone and energy output of rabbit papillary muscles. Gibbs CL, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):267-72

Analysis of the positive inotropic effect of ibopamine in the blood-perfused canine papillary muscle. Kawahara K, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):316-20

Interaction of lidocaine and benzocaine in depressing Vmax of ventricular action potentials. Chapula JS. **J Mol Cell Cardiol** 1985 May;17(5):495-503

Adenosine and prostacyclin independent electrophysiological effects of dipyridamole in guinea-pig papillary muscles and canine cardiac Purkinje fibers. Rardon DP, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):206-13

Action of dantrolene sodium on electrical and mechanical activity of guinea-pig ventricular muscles. Hiraoka M, et al. **Jpn J Physiol** 1985;35(1):123-38

Mechanism of inotropic action by hypotonic solution in the frog atrial muscle. Ohba M, et al. **Jpn J Physiol** 1984;34(5):803-13

Cardiovascular profile of Bay K 8644, a presumed calcium channel activator, in the dog. Wada Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb;328(4):382-7

[Electrophysiologic study of the effect of amiodarone on ventricular papillary muscle cells in guinea pigs] Ji TY, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Mar;13(1):17-20 **(Chi)**

ENZYMOLOGY

The economy of isometric force development, myosin isoenzyme pattern and myofibrillar ATPase activity in normal and hypothyroid rat myocardium. Holubarsch C, et al. **Circ Res** 1985 Jan;56(1):78-86

Role of myofibrillar creatine kinase in the relaxation of rigor tension in skinned cardiac muscle. Ventura-Clapier R, et al. **Pflugers Arch** 1985 May;404(2):157-61

METABOLISM

A theoretical analysis of the rate of resting metabolism of isolated papillary muscle. Loiselle D. **Adv Myocardiol** 1985;6:205-16

Ca influx and sarcoplasmic reticulum Ca release in cardiac muscle activation during postrest recovery. Bers DM. **Am J Physiol** 1985 Mar;248(3 Pt 2):H366-81

Potassium-related membrane currents in the bullfrog atrial muscle differentiated in the presence of barium. Goto M, et al. **Jpn J Physiol** 1985;35(1):71-87

PATHOLOGY

[A study on prolapse of the mitral valve in autopsy-proved papillary muscle dysfunction] Ohkawa S, et al. **J Cardiogr** 1984 Aug;14(2):335-44 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The role of Ca influx in cardiac muscle excitation-contraction coupling. Assessment by extracellular Ca microelectrodes. Bers DM, et al. **Adv Myocardiol** 1985;6:49-57

Fixed charges of the heart muscle interstitium. Parent L, et al. **Biophys J** 1985 May;47(5):725-9

Stimulation rate modulates effects of the dihydropyridine CGP 28 392 on cardiac calcium-dependent action potentials. Kamp TJ, et al. **Br J Pharmacol** 1985 Jun;85(2):523-8

The effects of shortening on myoplasmic calcium concentration and on the action potential in mammalian ventricular muscle. Lab MJ, et al. **Circ Res** 1984 Dec;55(6):825-9

The electromotive force of the ventricular free wall and papillary muscle preparations. Mashima S, et al. **Circ Res** 1985 Jun;56(6):851-6

Assessment of papillary muscle function in the intact heart. Marzilli M, et al. **Circulation** 1985 May;71(5):1017-22

Anomalous response of rabbit papillary muscles to depolarising current: the possible role of the transient outward current. A pharmacological analysis. Saxon ME. **Gen Physiol Biophys** 1984 Aug;3(4):347-57

Intracellular pH and contraction of isolated rabbit and cat papillary muscle: effect of superfusate buffering. Vanheel B, et al. **J Mol Cell Cardiol** 1985 Jan;17(1):23-9

The influence of 'diastolic' length on the contractility of isolated cat papillary muscle. Nichols CG. **J Physiol (Lond)** 1985 Apr;361:269-79

Effects of pantethine on action potential of canine papillary muscle during hypoxic perfusion. Hayashi H, et al. **Jpn Heart J** 1985 Mar;26(2):289-96

The effects of mexiletine on action potential duration and its restitution in guinea pig ventricular muscles. Matsuo S, et al. **Jpn Heart J** 1985 Mar;26(2):271-87

Length dependent potentiation and inhibition of post-rest twitch tension development in adult cat and kitten papillary muscles. Hisano R, et al. **Jpn J Physiol** 1985;35(1):147-58

Molecular motions in myosin head regions of dog cardiac muscle fibers. Belágyi J, et al. **Physiol Chem Phys Med NMR** 1984;16(5):449-56

Warming-induced hyperpolarization of cardiac muscle cells and snail neurones: interpretation based on temperature transition of cooperatively linked surface anionic sites between K+ and Na+ adsorbing states. Ling GN. **Physiol Chem Phys Med NMR** 1984;16(5):425-35 (37 ref.)

Influence of chronic vagotomy on inotropic responses of isolated cat heart papillary muscle. Vergara V, et al. **Res Commun Chem Pathol Pharmacol** 1984 Oct;46(1):93-102

[Nature of the correlated asymmetrical mechanical noise of the rat papillary muscle] Zakharov SI, et al. **Dokl Akad Nauk SSSR** 1984;278(2):492-5 **(Rus)**

[Contractile function of the papillary muscles in rats under conditions of varied oxygenation] Mudraia IS. **Fiziol Zh** 1985 Mar-Apr;31(2):158-64 (Eng. Abstr.) **(Rus)**

[Method of representing the process of mechanical loading in isolated strips of myocardium (imitation of the cardiac cycle)] Bliakhman FA, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1582-4 **(Rus)**

PHYSIOPATHOLOGY

Contribution of activation-inactivation dynamics to the impairment of relaxation in hypoxic cat papillary muscle. Pasipoularides A, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R54-62

The effects of antiarrhythmic drugs, stimulation frequency, and potassium-induced resting membrane potential changes on conduction velocity and dV/dtmax in guinea pig myocardium. Buchanan JW Jr, et al. **Circ Res** 1985 May;56(5):696-703

Interaction between a normoxic and a hypoxic region of guinea pig and ferret papillary muscles. Hofmann H. **Circ Res** 1985 Jun;56(6):876-83

A myothermal analysis of the myosin crossbridge cycling rate during isometric tetanus in normal and hypothyroid rat hearts. Alpert NR, et al. **Eur Heart J** 1984 Dec;5 Suppl F:3-11

Relaxation of mammalian heart muscle during chronic cardiac overload. Lecarpentier Y, et al. **Eur Heart J** 1984 Dec;5 Suppl F:37-42

Acute effects of amiodarone on the electrophysiologic properties of isolated neonatal and adult cardiac fibers. Yabek SM, et al. **J Am Coll Cardiol** 1985 May;5(5):1109-15

Postextrasystolic potentiation in isolated rat myocardium: dependence on resting muscle length. Poggesi C, et al. **Pflugers Arch** 1984 Nov;402(3):321-4

Mechanisms of hypoxia-induced decrease of load dependence of relaxation in cat papillary muscle. Sys SU, et al. **Pflugers Arch** 1984 Aug;401(4):368-73

[Paroxysmal mitral insufficiency caused by ischemic dysfunction of the papillary muscles. Apropos of 39 cases] Cosnay P, et al. **Arch Mal Coeur** 1985 Jan;78(1):81-90 (Eng. Abstr.) **(Fre)**

[Paroxysmal mitral insufficiency caused by ischemic dysfunction of the papillary muscles. Hemodynamic and angiographic study of 18 cases. Pathogenic hypotheses] Raynaud P, et al. **Arch Mal Coeur** 1985 Jan;78(1):91-101 (Eng. Abstr.) **(Fre)**

[Effect of ischemia on the coupling of excitation and contraction processes in the papillary muscle of the rat] Mukumov MR, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct;(5):27-31 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Analysis of the papillary muscle image on thallium-201 myocardial scintigram in various heart diseases] Kataoka H, et al. **Kaku Igaku** 1985 Jan;22(1):19-27 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Scanning electron microscopy of the canine atrioventricular bundle and moderator band. Sandusky GE Jr, et al. **Am J Vet Res** 1985 Jan;46(1):249-52

PAPILLEDEMA

CHEMICALLY INDUCED

Optic disk findings in hypervitaminosis A. Marcus DF, et al. **Ann Ophthalmol** 1985 Jul;17(7):397-402

COMPLICATIONS

[Chronic urticarial eruption with arthritis, papillary edema, and meningoencephalitis of childhood onset] Chevrant-Breton J, et al. **Ann Dermatol Venereol** 1984; 111(6-7):553-62 (Eng. Abstr.) **(Fre)**

[Hyperviscosity syndrome with pseudopapilledema and cerebral ischemia] Gallasch G, et al. **Dtsch Med Wochenschr** 1984 Oct 26;109(43):1643-6 (Eng. Abstr.) **(Ger)**

[Choroidal folds associated with chronic papilledema] Szymański A. **Klin Oczna** 1984 Aug;86(8):347-8 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Transient visual obscurations with elevated optic discs. Sadun AA, et al. **Ann Neurol** 1984 Oct;16(4):489-94

A mimic of the 'exact diagnostic sign' of Foster Kennedy. Lepore FE, et al. **Ann Ophthalmol** 1985 Jul;17(7):411-2

Idiopathic unilateral disc edema. The big blind spot syndrome. Rosenberg ML, et al. **J Clin Neuro Ophthalmol** 1984 Sep;4(3):181-4

[Acute ischemic optic neuropathy. II. Clinical aspects] Czajkowski J, et al. **Klin Oczna** 1984 Nov;86(11):477-9 (Eng. Abstr.) **(Pol)**

[Edema of the optic disk of varying origin in view of the biomicroscopic data] Pereuznik IuF. **Oftalmol Zh** 1984;(3):182-4 **(Rus)**

[Significance of fundus oculi changes in the diagnosis of optochiasmic leptomeningitis] Shershevskaia SF, et al. **Oftalmol Zh** 1985;(2):97-9 (Eng. Abstr.) **(Rus)**

[Significance of neuro-ophthalmologic examination in the early detection of cerebral glioma] Stefanović B, et al. **Glas Srp Akad Nauka [Med]** 1984;(36):85-93 (Eng. Abstr.) **(Scc)**

DRUG THERAPY

Transient acute disc swelling associated with improved metabolic control in an adolescent with type-I diabetes: role of dexamethazone therapy. Dorchy H, et al. **Eur J Pediatr** 1985 Jan;143(3):187-90

[Effect of mannitol on the intracranial volume/pressure ratio in patients with severe forms of cerebral insult] Solov'ev OI. **Anesteziol Reanimatol** 1984 Jul-Aug;(4):12-4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Papilloedema and respiratory failure. Reeve P, et al. **Br Med J [Clin Res]** 1985 Aug 3;291(6491):331-2

Intracranial plasmacytoma associated with multiple myeloma. Jordan DR, et al. **Can J Ophthalmol** 1984 Oct;19(6):275-8

Optic disc edema due to iron deficiency. Occurrence with normal cerebrospinal fluid pressure. Forster HS. **Conn Med** 1985 May;49(5):290-2

Papilloedema in late-onset citrullinaemia: report of second case. Hayasaka S, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;221(6):262-4

Papilloedema caused by spinal tumour in a case of optic nerve glioma--a clinical report. Rath S, et al. **Indian J Ophthalmol** 1984 May-Jun;32(3):175-6

Optic disc edema. Schwartz JS, et al. **Int Ophthalmol Clin** 1984 Winter;24(4):83-91

Papilledema and dural sinus obstruction. Repka MX, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):247-50

Papilloedema with extramedullary erythropoiesis and Cushing's syndrome [letter] Neville BG. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):193

Thoracic disc herniation associated with papilledema. Case report. Michowiz SD, et al. **J Neurosurg** 1984 Dec; 61(6):1132-4

Papilledema after acute head injury. Selhorst JB, et al. **Neurosurgery** 1985 Mar;16(3):357-63

Pregnancy and acute optic disc edema of juvenile-onset diabetes. Ward SC, et al. **Obstet Gynecol** 1984 Dec; 64(6):816-8

Cerebral arteriovenous malformation: papilledema as a presenting sign. Schiffer J, et al. **Surg Neurol** 1984 Nov; 22(5):524-6

[A rare cause of Foster Kennedy syndrome: cerebral hydatidosis] Le Hoang P, et al. **Bull Soc Ophtalmol Fr** 1984 Apr;84(4):335-6, 388 (Eng. Abstr.) **(Fre)**

[Papilledema following cataract operation in children] Vérin P, et al. **Bull Soc Ophtalmol Fr** 1984 Aug-Sep;84(8-9):941-4 **(Fre)**

[Stasis papilledema in Vaquez' disease. Apropos of 2 cases] Pinel JF, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec; 56(4-5):371-8 (Eng. Abstr.) **(Fre)**

[Papillitis in secondary syphilis] Lazzaroni F, et al. **G Ital Dermatol Venereol** 1985 Jan-Feb;120(1):71-3 (Eng. Abstr.) **(Ita)**

[Congestive papilledema caused by marked narrowing of the superior ophthalmic vein] Ogielska E, et al. **Neurol Neurochir Pol** 1984 Mar-Apr;18(2):175-7 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Electron microscopic study of human optic disc edema and retinal edema] Kimura T, et al. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):335-48 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Papiloedema: benign intracranial hypertension in menarche. Tessler Z, et al. **Ann Ophthalmol** 1985 Jan;17(1):76-7

Ophthalmological features of pseudo-tumor cerebri. Report on 18 cases. Aulhorn E. **Doc Ophthalmol** 1984 Aug 15; 58(1):25-33

[Symptomatology and physiopathology of papilledema] Joachim M. **J Fr Ophtalmol** 1984;7(10):649-55 **(Fre)**

RADIOGRAPHY

[Value of x-ray computed tomography in papilledema caused by drusen of the optic papilla] Rollin JP, et al. **Bull Soc Ophtalmol Fr** 1983 Dec;83(12):1409-10 (Eng. Abstr.) **(Fre)**

[Computer tomography in drusen of the optic papilla] Uhlenbrock D, et al. **Digitale Bilddiagn** 1984 Sep; 4(3):108-11 (Eng. Abstr.) **(Ger)**

SURGERY

Decompression of the perioptic meninges for relief of papilloedema in benign intracranial hypertension. Subburam P, et al. **Indian J Ophthalmol** 1984 Jan-Feb; 32(1):9-12

[Papilledema in the primary empty sella syndrome] Santori M, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:499-503 **(Fre)**

PAPILLOMA

see related
WARTS

Nasal Schneiderian papillomas: a study of 83 cases. Kristensen S, et al. **Clin Otolaryngol** 1985 Jun;10(3):125-34

[Plasmoacanthoma. A contribution to the diagnosis, etiopathogenesis and nosology] Göring HD, et al. **Z Hautkr** 1985 Jun 1;60(11):884-96 (Eng. Abstr.) **(Ger)**

ANALYSIS

Human papillomavirus DNA in conjunctival papilloma. Pfister H, et al. **Graefes Arch Clin Exp Ophthalmol** 1985; 223(3):164-7

[A microphotometric study on the nuclear DNA contents in the cells of human and experimental esophageal cancers] Honma K. **Nippon Geka Hokan** 1984 Sep 1;53(5):631-43 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Soft agar colony formation of mouse epidermal cells during the early phase of two-stage chemically induced carcinogenesis. Hashimura T, et al. **Gann** 1985 May; 76(5):321-3

Diffuse papillomatosis of rat urinary bladder occurring in association with vesical calculi. Oyasu R, et al. **J Urol** 1984 Nov;132(5):1012-5

Carcinogenicity of diallylnitrosamine following intragastric administration to Syrian hamsters. Grandjean CJ, et al. **JNCI** 1985 May;74(5):1043-6

Trisodium nitriloacetate monohydrate: promoting effect in urinary bladder carcinogenesis in rats treated with N-butyl-N-(4-hydroxybutyl)nitrosamine. Hiasa Y, et al. **JNCI** 1985 Jan;74(1):235-9

[Cancer of the esophagus induced in the Wistar rat by ethyl-N-butyl-nitrosamine] Mandard AM, et al. **Bull Cancer (Paris)** 1984;71(5):419-24 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Acquired hypertrichosis lanuginosa: a case report. Delfino M, et al. **Dermatologica** 1985;170(4):207-9

A case of choroid plexus papilloma in the lateral ventricle, complicated by a neuroepithelial cyst in the posterior fossa in a newborn infant. Honda E, et al. **Kurume Med J** 1984; 31(2):115-24

No association between skin tags and colorectal adenomas [letter] Dalton AD, et al. **Lancet** 1985 Jun 8;1(8441):1332-3

Female genital tumors associated with human papillomavirus infection, and the concept of genital neoplasm-papilloma syndrome (GENPS). Okagaki T. **Pathol Annu** 1984;19 Pt 2:31-62 (196 ref.)

Juvenile laryngeal papillomatosis with pulmonary parenchymal spread. Case report and review of the literature. Kawanami T, et al. **Pediatr Radiol** 1985; 15(2):102-4 (17 ref.)

CONGENITAL

Cutaneous bronchogenic cyst with papilloma and sinus presentation. Miller OF 3d, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 2):367-71

DIAGNOSIS

Inverted papilloma of the ureter. Perrin P, et al. **Br J Urol** 1984 Apr;56(2):223

Inverted sinonasal papillomas. Bosley CE, et al. **Ear Nose Throat J** 1984 Oct;63(10):509-13

Giant intraductal papilloma of the breast: a case report. Roy I, et al. **J Surg Oncol** 1985 Apr;28(4):281-3

[Pyeloureteroscopy with a fiberscope] Schultz A, et al. **Ugeskr Laeger** 1984 Jun 11;146(24):1793-6 (Eng. Abstr.) **(Dan)**

[Papilloma of the gallbladder] Vadalà G, et al. **Chir Ital** 1983 Dec;35(6):1014-20 (Eng. Abstr.) **(Ita)**

[Verruca seborrheica (the problems of its clinical picture, pathogenesis, morphology and therapy)] Berenbein BA, et al. **Vestn Dermatol Venerol** 1985 Jan;(1):38-41 (73 ref.) **(Rus)**

DRUG THERAPY

Confluent and reticulate papillomatosis [letter] Kellet JK, et al. **Arch Dermatol** 1985 May;121(5):587-8

Treatment of respiratory papillomatosis with adenine arabinoside. Hendrickse WA, et al. **Arch Dis Child** 1985 Apr;60(4):374-6

Inhibition of 7,12-dimethylbenz(a)anthracene-induced skin papillomas and carcinomas by dehydroepiandrosterone and 3-beta-methylandrost-5-en-17-one in mice. Pashko LL, et al. **Cancer Res** 1985 Jan;45(1):164-6

Antitumor activity of vitamin A and its derivatives. Muto Y, et al. **JNCI** 1984 Dec;73(6):1389-93

Nasal papillomas: successful treatment with podophyllin. Bennett RG, et al. **South Med J** 1985 Feb;78(2):224-5

[Recurrence prevention of papillomas of the bladder using lycurim instillation] Zárandy B, et al. **Z Urol Nephrol** 1984 Oct;77(10):599-603 (Eng. Abstr.) **(Ger)**

[Flumidine in the treatment of laryngeal papillomatosis in children] Sarău M, et al. **Rev Chir [Otorinolaringol]** 1985 Apr-Jun;30(2):93-8 (Eng. Abstr.) **(Rum)**

[Use of dibunol in diseases of the urinary bladder] Dul'kin LM. **Urol Nefrol (Mosk)** 1984 Sep-Oct;(5):14-7 (Eng. Abstr.) **(Rus)**

[Intravesical chemotherapy of bladder cancer using adriamycin] Matveev BP, et al. **Urol Nefrol (Mosk)** 1984 Sep-Oct;(5):6-9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Inverted papilloma in a 10-year-old boy. Stanley RJ, et al. **Arch Otolaryngol** 1984 Dec;110(12):813-5

FAMILIAL & GENETIC

Analysis of a transgenic mouse containing simian virus 40 and v-myc sequences. Small JA, et al. **Mol Cell Biol** 1985 Apr;5(4):642-8

[Cowden's syndrome (multiple hamartoma syndrome)] Toonstra J, et al. **Ned Tijdschr Geneeskd** 1984 Jul 14; 128(28):1328-30 (Eng. Abstr.) **(Dut)**

[Multiple familial clear cell acanthoma] Balus L, et al. **Ann Dermatol Venereol** 1984;111(8):665-6 **(Fre)**

IMMUNOLOGY

Natural cytotoxicity and interferon production in patients with recurrent respiratory papillomatosis. Naiman HB, et al. **Ann Otol Rhinol Laryngol** 1984 Sep-Oct;93(5 Pt 1):483-7

Quantitative analysis of immunocompetent cells in human normal oral and uterine cervical mucosa, oral papillomas and leukoplakias. Becker J, et al. **Arch Oral Biol** 1985; 30(3):257-64

Primary tissue culture of spontaneously regressing flat warts. In vitro attack by mononuclear cells against wart-derived epidermal cells. Tagami H, et al. **Cancer** 1985 May 15; 55(10):2437-41

[Course of laryngeal papillomatosis in children and its various immunological parallels] Kuznetsova LS, et al. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):53-5 (Eng. Abstr.) **(Rus)**

METABOLISM

Dermal collagen metabolism during tumor promotion with 12-O-tetradecanoylphorbol-13-acetate in mouse skin. Marian B, et al. **Carcinogenesis** 1985 Apr;6(4):501-4

Demonstration of secretory component, IgA, and IgM by the peroxidase-antiperoxidase technique in inverted papillomas of the nasal cavities. Krisch I, et al. **Hum Pathol** 1984 Oct;15(10):914-20

MICROBIOLOGY

Choroid plexus papilloma and giant cell glioblastoma induced in hamsters with bovine adenovirus type 3. Motoi M, et al. **Acta Neuropathol (Berl)** 1985;66(3):218-22

Transcription of episomal papillomavirus DNA in human condylomata acuminata and Buschke-Löwenstein tumours. Lehn H, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):2003-10

Analysis of oral papillomas, leukoplakias, and invasive carcinomas for human papillomavirus type related DNA. Löning T, et al. **J Invest Dermatol** 1985 May;84(5):417-20

SV40 enhancer and large-T antigen are instrumental in development of choroid plexus tumours in transgenic mice. Palmiter RD, et al. **Nature** 1985 Aug 1-7;316(6027):457-60

Human papillomavirus in various lesions of the head and neck. Strauss M, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):342-6

Papillomavirus genomes in human cervical tumors: analysis of their transcriptional activity. Lehn H, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5540-4

OCCURRENCE

Pink pearly papules: an epidemiologic study. Neinstein LS, et al. **J Pediatr** 1984 Oct;105(4):594-5

[Laryngeal papilloma in children. A review from the County of Funen over a 45-year period] Christensen PH, et al. **Ugeskr Laeger** 1985 Mar 25;147(13):1110-3 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Oncocytic variant of choroid plexus papilloma. Stefanko SZ, et al. **Acta Neuropathol (Berl)** 1985;66(2):160-2

Diffuse papillomatosis of the gallbladder. Almagro UA. **Am J Gastroenterol** 1985 Apr;80(4):274-8

Malignant transformation in inverted papilloma. Feinmesser R, et al. **Ann Otol Rhinol Laryngol** 1985 Jan-Feb;94(1 Pt 1):39-43

Fibroepithelioma of Pinkus overlying breast cancer [letter] Bryant J. **Arch Dermatol** 1985 Mar;121(3):310

Schneiderian papillomas of the nasal septum. Kristensen S. **Arch Otorhinolaryngol** 1985;241(3):233-6

Papillomatosis of the gallbladder associated with metachromatic leukodystrophy. Burgess JH, et al. **Arch Pathol Lab Med** 1985 Jan;109(1):79-81

The relationship of histologic and clinical factors in laryngeal papillomatosis. Nikolaidis ET, et al. **Arch Pathol Lab Med** 1985 Jan;109(1):24-9

Papillary cystic tumor of the pancreas [letter] Warren RB. **Arch Pathol Lab Med** 1985 Aug;109(8):706-7

Lacrimal canalicular papillomatosis. Williams R, et al. **Br J Ophthalmol** 1985 Jun;69(6):464-7

Three-dimensional atypical structure in intraductal carcinoma differentiating from papilloma and papillomatosis of the breast. Ohuchi N, et al. **Breast Cancer Res Treat** 1985;5(1):57-65

The V2 carcinoma of the rabbit as an integrated model of tumor invasion. Sträuli P, et al. **Bull Cancer (Paris)** 1984;71(5):447-52 (41 ref.)

Endoscopic diagnosis and treatment of upper-tract urothelial tumors. A preliminary report. Huffman JL, et al. **Cancer** 1985 Mar 15;55(6):1422-8

Papillary duct hyperplasia of the breast in children and young adults. Rosen PP. **Cancer** 1985 Oct 1;56(7):1611-7

Juvenile papillomatosis and breast carcinoma. Rosen PP, et al. **Cancer** 1985 Mar 15;55(6):1345-52

Inverted papillomas of the nose and the paranasal sinuses. Abildgaard-Jensen J, et al. **Clin Otolaryngol** 1985 Jun;10(3):135-43

Correlation between in vitro autoradiographic results and histological WHO grades in human urothelial bladder tumours. Blume B, et al. **Exp Pathol** 1985;28(1):59-63

Squamous cell papilloma of the esophagus: report of four cases. Toet AE, et al. **Gastrointest Endosc** 1985 Apr;31(2):77-9

Unusual anatomic presentations of inverting papilloma. Astor FC, et al. **Head Neck Surg** 1985 Jan-Feb;7(3):243-5

Inverted papilloma of the urinary bladder: report of two cases. Gotoh M, et al. **Hinyokika Kiyo** 1984 Nov;30(11):1645-50

Association of breast carcinoma and multiple intraductal papillomas: an histological and immunohistochemical investigation. Papotti M, et al. **Histopathology** 1984 Nov;8(6):963-75

Villous papilloma of the gallbladder in association with leukodystrophy. Warfel KA, et al. **Hum Pathol** 1984 Dec;15(12):1192-4

Papillary cyst adenoma of epididymis. A case report. Kedar GP, et al. **Indian J Pathol Microbiol** 1984 Oct;27(4):309-10

Inverted papilloma of the ureter. Mottola A, et al. **Ital J Surg Sci** 1984;14(4):341-4

Proliferative pattern of urothelial bladder cancer and urothelial atypias. Helpap B, et al. **J Cancer Res Clin Oncol** 1985;109(1):46-54

The benign acanthomas. Brownstein MH. **J Cutan Pathol** 1985 Jun-Aug;12(3-4):172-88

Large melanoacanthomas: a report of five cases. Prince C, et al. **J Cutan Pathol** 1984 Aug;11(4):309-17

The cutaneous pathology of extrafacial lesions in Cowden's disease. Starink TM, et al. **J Cutan Pathol** 1984 Oct;11(5):338-44

Dietary zinc deficiency and tumorigenesis: a scanning electron microscope study. Ng WL, et al. **J Electron Microsc (Tokyo)** 1984;33(4):344-8

Ductal adenoma of the breast: a lesion which can mimic carcinoma. Azzopardi JG, et al. **J Pathol** 1984 Sep;144(1):15-23

Hidroacanthoma simplex. Price ML, et al. **J R Soc Med** 1984;77 Suppl 4:35-6

Juvenile secretory carcinoma and juvenile papillomatosis. Tokunaga M, et al. **Jpn J Clin Oncol** 1985 Jun;15(2):457-65

Inverted papilloma of the nose and paranasal sinuses in childhood and adolescence. Eavey RD. **Laryngoscope** 1985 Jan;95(1):17-23

Malignant transformation in non-irradiated recurrent respiratory papillomatosis. Solomon D, et al. **Laryngoscope** 1985 Aug;95(8):900-4

Dissemination of squamous papilloma by surgical manipulation: a case report. Welsh RL, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1568-70

Papillomas of lacrimal drainage system: a clinicopathologic study. Karcioglu ZA, et al. **Ophthalmic Surg** 1984 Aug;15(8):670-6

Solitary squamous papilloma of the bronchus. Maxwell RJ, et al. **Thorax** 1985 Jan;40(1):68-71

The inverted urothelial papilloma. Berkhoff WB, et al. **Urol Int** 1985;40(2):93-6

Growth and modeling of urothelial papillary tumors. Tommasini-Degna A. **Urology** 1985 Feb;25(2):194-8

[Pathologic anatomy of villous tumors] Orcel L, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 Dec;20(6):305-10 (Eng. Abstr.) **(Fre)**

[Breast histophysiology and pathology. I.] Van Bogaert LJ. **Rev Fr Gynecol Obstet** 1984 Mar;79(3):157-227 **(Fre)**

[Papilloma inversum of the nose and paranasal sinuses. Clinical aspects and histology of 22 personal cases] Beck A, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Jul;63(7):347-52 (Eng. Abstr.) **(Ger)**

[So-called benign papilloma of the bladder. A retrospective study] Flamm J. **Wien Med Wochenschr** 1985 Feb 28;135(4):93-5 (Eng. Abstr.) **(Ger)**

[Intraductal (intracystic) papilloma of the male breast] Volmer J. **Zentralbl Allg Pathol** 1984;129(6):513-9 (Eng. Abstr.) **(Ger)**

[Electron microscopic detection of viruses in cervix papilloma] Karageosov I, et al. **Zentralbl Gynakol** 1985;107(3):187-91 (Eng. Abstr.) **(Ger)**

[Inverted papilloma of the bladder (considerations on a clinical case)] Bianchi G, et al. **Chir Ital** 1984 Aug;36(4):648-52 (Eng. Abstr.) **(Ita)**

[A case of oral florid papillomatosis combined with gastroduodenal polyposis] Sato H, et al. **Gan No Rinsho** 1985 May;31(5):563-8 (Eng. Abstr.) **(Jpn)**

[Papillomas of the nasal cavity and paranasal sinuses. A clinicopathological study of 19 cases] Usui Y. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):665-73 (Eng. Abstr.) **(Jpn)**

[Rhinosinusal papilloma] Costinescu N, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep;29(3):211-4 (Eng. Abstr.) **(Rum)**

[Cellular infiltration of the stoma as a factor in the prognosis of patients with bladder tumors] Strotskiĭ AV, et al. **Urol Nefrol (Mosk)** 1984 Sep-Oct;(5):9-14 (Eng. Abstr.) **(Rus)**

[Neoplasms of the appendix] Chupryna VV. **Vestn Khir** 1984 Oct;133(10):78-9 **(Rus)**

[2 cases of papilloma of the nose and paranasal sinuses] Udovički J, et al. **Med Pregl** 1984;37(3-4):145-8 (Eng. Abstr.) **(Scr)**

[Multiple clear-cell acanthoma] Bordas X, et al. **Med Cutan Ibero Lat Am** 1984;12(6):457-60 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Pulmonary manifestations of juvenile laryngotracheal papillomatosis. Kramer SS, et al. **AJR** 1985 Apr;144(4):687-94

RADIOTHERAPY

Biologically aggressive papillomas of the nasal cavity: the role of radiation therapy. Mendenhall WM, et al. **Laryngoscope** 1985 Mar;95(3):344-7

Radiotherapy for inverted papilloma: a case report. Levendag PC, et al. **Radiother Oncol** 1984 Jun;2(1):13-7

SURGERY

Intraductal papillomas: diagnostic and surgical procedures. Vio A, et al. **Ital J Surg Sci** 1985;15(1):51-5

Oral papillomatosis treated with cryotherapy: a case report. Aggarwal SP, et al. **J Dent** 1984 Sep;12(3):268-71

Effectiveness of lasers on plantar papillomas: a preliminary study. Cacciaglia GB, et al. **J Foot Surg** 1985 Jan-Feb;24(1):71-5

Degloving approach for total excision of inverted papilloma. Sachs ME, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1595-8

Complications of laser surgery for laryngeal papillomatosis. Wetmore SJ, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):798-801

CO2 laser surgery of the upper airway. Keane WM, et al. **Surg Clin North Am** 1984 Oct;64(5):955-71 (19 ref.)

Large squamous papilloma of the nasal septum. Papola JS, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter;37(2):240-3

[Rectocolic villous tumors. Study of 69 cases] Fasano JJ. **Ann Gastroenterol Hepatol (Paris)** 1984 Dec;20(6):315-23 (Eng. Abstr.) **(Fre)**

[Is iatrogenic vesico-renal reflux a negligible factor in the evolution of recurrent superficial tumors of the bladder?] Rampal M, et al. **Ann Urol (Paris)** 1985;19(2):132-4 (Eng. Abstr.) **(Fre)**

[Papillomatosis of the bile ducts: a clinical case] Senati E, et al. **Chir Ital** 1982 Jun;34(3):432-7 (Eng. Abstr.) **(Ita)**

[Laryngeal papilloma--10 years' therapeutic experience at the Warsaw Otolaryngological Clinic 1974-1983] Sonnenberg Z, et al. **Pol Tyg Lek** 1984 May 14;39(20):672-5 (Eng. Abstr.) **(Pol)**

[Permanent single-loop ileostomy after removal of the large intestine for diffuse polyposis] Nikitin AM, et al. **Klin Med (Mosk)** 1984 Jul;62(7):86-90 (Eng. Abstr.) **(Rus)**

[Precancerous diseases of the larynx] Mitrović M, et al. **Zb Vojnomed Akad** 1983;25:45-7 (Eng. Abstr.) **(Ser)**

[Secretory disease of the breast and its surgical treatment] Chrenko V, et al. **Rozhl Chir** 1984 Sep;63(8-9):626-9 (Eng. Abstr.) **(Slo)**

THERAPY

Treatment of recurrent respiratory papillomatosis with interferon. Sessions RB, et al. **Ear Nose Throat J** 1984 Oct;63(10):488-93

Interferon therapy in juvenile laryngeal papillomatosis. Lundquist PG, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):386-91

What therapeutic approach should be adopted for superficial bladder tumours? Chatelain C. **Prog Clin Biol Res** 1984;162B:211-8

[Effect of alpha-leukocyte interferon on laryngeal papillomatosis in children] Vacher S, et al. **Presse Med** 1985 Jun 15;14(24):1317-8 (Eng. Abstr.) **(Fre)**

[Interferon in the treatment of recurrent laryngeal papillomas] Lenarčić-Cepelja I, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Aug;63(8):401-2 (Eng. Abstr.) **(Ger)**

[Critical review of the therapy of juvenile laryngeal papillomas] Wolters B, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Aug;63(8):396-400 (87 ref.) (Eng. Abstr.) **(Ger)**

[Generalized verrucosis in familial T-helper cell deficiency. Treatment with interferon and Tigason] Thiele B, et al. **Z Hautkr** 1985 Jun 15;60(12):929-37 (Eng. Abstr.) **(Ger)**

[Combined (radiation and surgical) treatment of laryngeal cancer patients using metronidazole] Andreev VG. **Med Radiol (Mosk)** 1985 Aug;30(8):6-10 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructural features of the adult laryngeal papilloma. Horn T, et al. **Acta Otolaryngol (Stockh)** 1985 May-Jun;99(5-6):649-54

The role of scanning electron microscopy in the diagnosis of human laryngeal cancer. Surján L Jr, et al. **Acta Otolaryngol (Stockh)** 1985 Mar-Apr;99(3-4):236-8

The ultrastructure of conjunctival melanocytic tumors. Jakobiec FA. **Trans Am Ophthalmol Soc** 1984;82:599-752 (206 ref.)

Inverted papilloma: observation with scanning and transmission electron microscopy. Moriyama N, et al. **Virchows Arch** [A] 1985;407(1):25-32

[Morphological and immunohistochemical studies of intraductal proliferations of the breast, especially on the carcinogenesis of papilloma and structural atypism of carcinoma] Ohuchi N. **Nippon Geka Gakkai Zasshi** 1984 Nov;85(11):1393-404 (Eng. Abstr.) **(Jpn)**

[Ultrastructure of pseudotumorous, pretumorous and tumorous formations in the larynx] Teodor IL, et al. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):62-5 (Eng. Abstr.) **(Rus)**

VETERINARY

Oral papillomatosis in New Zealand white rabbits. Sundberg JP, et al. **Am J Vet Res** 1985 Mar;46(3):664-8

Effects of temperature on papilloma growth in the newt, Cynops pyrrhogaster. Asashima M, et al. **Cancer Res** 1985 Mar;45(3):1198-205

The presence of bovine papillomavirus type 4 DNA is not required for the progression to, or the maintenance of, the malignant state in cancers of the alimentary canal in cattle. Campo MS, et al. **EMBO J** 1985 Jul;4(7):1819-25

Papillomas and squamous cell carcinomas of horses. Junge RE, et al. **J Am Vet Med Assoc** 1984 Sep 15;185(6):656-9

Papillomatous lesions in wild juvenile Atlantic salmon, Salmo salar L., in New Brunswick, Canada. Rand TG. **J Wildl Dis** 1985 Jul;21(3):324-6

Papillomas on fish exposed to chlorinated wastewater effluent. Grizzle JM, et al. **JNCI** 1984 Nov;73(5):1133-42

Rumen papillomas in sheep. Norval M, et al. **Vet Microbiol** 1985 Apr;10(3):219-29

Papillomas of the teats and udder of cattle and their causal viruses. Lindholm I, et al. **Vet Rec** 1984 Dec 1;115(22):574-7

The existence of three different viral agents in a tumour bearing European eel (Anguilla anguilla). Ahne W, et al. **Zentralbl Veterinarmed** [B] 1985 Mar;32(3):228-35

PAPILLOMA, SHOPE see TUMOR VIRUS INFECTIONS

PAPILLOMAVIRUSES

Human papillomavirus type 16 related DNA in an anaplastic carcinoma of the lung. Stremlau A, et al. **Cancer** 1985 Apr 15;55(8):1737-40

Human papillomavirus infection of the esophagus. A clinicopathologic study with demonstration of papillomavirus antigen by the immunoperoxidase technique. Winkler B, et al. **Cancer** 1985 Jan 1;55(1):149-55

Herpes simplex virus type 2 and human papillomavirus type 16 in cervicitis, dysplasia and invasive cervical carcinoma. Prakash SS, et al. **Int J Cancer** 1985 Jan 15;35(1):51-7

Screening for wart virus infection in normal and abnormal cervices by DNA hybridisation of cervical scrapes. Wickenden C, et al. **Lancet** 1985 Jan 12;1(8420):65-7

Successive urinary papillomavirus excretion, condylomata acuminata and urogenital epithelial malignant disease after renal transplantation. Lecatsas G, et al. **S Afr Med J** 1985 Mar 9;67(10):374-6

ANALYSIS

Detection and localization of human papillomavirus DNA in human genital condylomas by in situ hybridization with

NEWARK PUBLIC LIBRARY

biotinylated probes. Beckmann AM, et al. **J Med Virol** 1985 Jul;16(3):265-73

Bowenoid papulosis of the genitalia associated with human papillomavirus DNA type 16 in an infant with atopic dermatitis. Breneman DL, et al. **Pediatr Dermatol** 1985 Jul; 2(4):297-301

CLASSIFICATION

Papillomas of the teats and udder of cattle and their causal viruses. Lindholm I, et al. **Vet Rec** 1984 Dec 1; 115(22):574-7

[Warts and tumors caused by papillomavirus] Pierard-Franchimont C, et al. **Rev Med Liege** 1984 Aug 1-15;39(15-16):585-91 **(Fre)**

GENETICS

Interferon therapy for bronchial papillomatosis controlled by papillomavirus-DNA hybridization. Ikenberg H, et al. **Arch Otolaryngol** 1985 Feb;111(2):96-8

Transactivation of a bovine papilloma virus transcriptional regulatory element by the E2 gene product. Spalholz BA, et al. **Cell** 1985 Aug;42(1):183-91

Demonstration of HPV-16 genomes in the nuclei of cervix carcinoma cells. Grussendorf-Conen EI, et al. **Dermatologica** 1985;170(4):199-201

The presence of bovine papillomavirus type 4 DNA is not required for the progression to, or the maintenance of, the malignant state in cancers of the alimentary canal in cattle. Campo MS, et al. **EMBO J** 1985 Jul;4(7):1819-25

Lines of BPV-transformed murine cells that constitutively express influenza virus hemagglutinin. Sambrook J, et al. **EMBO J** 1985 Jan;4(1):91-103

Origin of replication in episomal bovine papilloma virus type 1 DNA isolated from transformed cells. Waldeck W, et al. **EMBO J** 1984 Sep;3(9):2173-8

Human papillomavirus DNA in conjunctival papilloma. Pfister H, et al. **Graefes Arch Clin Exp Ophthalmol** 1985; 223(3):164-7

Prevalence of human papillomavirus type 16 DNA in cervical carcinoma samples in East Anglia. Scholl SM, et al. **Int J Cancer** 1985 Feb 15;35(2):215-8

Cloning and characterization of papillomavirus type 2c DNA. Fuchs PG, et al. **Intervirology** 1984;22(3):177-80

14th annual UCLA symposium. Abstracts: Papilloma viruses: molecular and clinical aspects. **J Cell Biochem [Suppl]** 1985; 9C:65-100

14th annual UCLA symposium. April 6-April 25, 1985. Abstracts. **J Cell Biochem [Suppl]** 1985;9C:1-307

Introduction of cloned human papillomavirus 1a DNA into rat fibroblasts: integration, de novo methylation and absence of cellular morphological transformation. Burnett TS, et al. **J Gen Virol** 1985 May;66 (Pt 5):1063-72

Human papillomavirus type 16 recombinant DNA is maintained as an autonomously replicating episome in monkey kidney cells. Chesters PM, et al. **J Gen Virol** 1985 Mar;66 (Pt 3):615-20

The physical state of human papillomavirus type 16 DNA in benign and malignant genital tumours. Dürst M, et al. **J Gen Virol** 1985 Jul;66 (Pt 7):1515-22

Transcription of episomal papillomavirus DNA in human condylomata acuminata and Buschke-Löwenstein tumours. Lehn H, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):2003-10

Nucleotide sequence of bovine papillomavirus type 2 late region. Potter HL Jr, et al. **J Gen Virol** 1985 Jan;66 (Pt 1):187-93

Analysis of oral papillomas, leukoplakias, and invasive carcinomas for human papillomavirus type related DNA. Löning T, et al. **J Invest Dermatol** 1985 May;84(5):417-20

Efficient production of hepatitis B surface antigen using a bovine papilloma virus-metallothionein vector. Hsiung N, et al. **J Mol Appl Genet** 1984;2(5):497-506

Messenger RNAs from the transforming region of bovine papilloma virus type I. Stenlund A, et al. **J Mol Biol** 1985 Apr 20;182(4):541-54

Cervical papillomaviruses segregate within morphologically distinct precancerous lesions. Crum CP, et al. **J Virol** 1985 Jun;54(3):675-81

Fine structure of the cottontail rabbit papillomavirus mRNAs expressed in the transplantable VX2 carcinoma. Danos O, et al. **J Virol** 1985 Mar;53(3):735-41

Molecular cloning and characterization of the DNAs of human papillomaviruses 19, 20, and 25 from a patient with epidermodysplasia verruciformis. Gassenmaier A, et al. **J Virol** 1984 Dec;52(3):1019-23

Molecular cloning and nucleotide sequence of deer papillomavirus. Groff DE, et al. **J Virol** 1985 Oct; 56(1):85-91

Molecular cloning and characterization of the genomes of nine newly recognized human papillomavirus types associated with epidermodysplasia verruciformis. Kremsdorf D, et al. **J Virol** 1984 Dec;52(3):1013-8

Genetic analysis of bovine papillomavirus type 1 trans-acting replication factors. Lusky M, et al. **J Virol** 1985 Mar; 53(3):955-65

Expression of minute virus of mice structural proteins in murine cell lines transformed by bovine papillomavirus-minute virus of mice plasmid chimera. Pintel D, et al. **J Virol** 1984 Nov;52(2):320-7

Localization and analysis of bovine papillomavirus type 1 transforming functions. Sarver N, et al. **J Virol** 1984 Nov; 52(2):377-88

A common function for polyoma virus large-T and papillomavirus E1 proteins? Clertant P, et al. **Nature** 1984 Sep 20-26;311(5983):276-9

Structure and transcription of human papillomavirus sequences in cervical carcinoma cells. Schwarz E, et al. **Nature** 1985 Mar 7-13;314(6006):111-4

Human papillomavirus DNA in female condylomata. Yoshikawa H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jul; 37(7):1225-30

Uneven distribution of methylation sites within the human papillomavirus la genome: possible relevance to viral gene expression. Burnett TS, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8847-60

Expression of a functional influenza viral cap-recognizing protein by using a bovine papilloma virus vector. Braam-Markson J, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4326-30

Genomic structure of the cottontail rabbit (Shope) papillomavirus. Giri I, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1580-4

Papillomavirus genomes in human cervical tumors: analysis of their transcriptional activity. Lehn H, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5540-4

Identification of a second transforming region in bovine papillomavirus DNA. Schiller JT, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7880-4

Bovine papillomavirus contains multiple transforming genes. Yang YC, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(4):1030-4

High spontaneous mutation frequency of BPV shuttle vector. Ashman CR, et al. **Somatic Cell Mol Genet** 1985 Sep; 11(5):499-504

Cottontail rabbit papillomavirus-specific transcripts in transplantable tumors with integrated DNA. Nasseri M, et al. **Virology** 1984 Oct 30;138(2):362-7

Shope papillomavirus transcription in benign and malignant rabbit tumors. Phelps WC, et al. **Virology** 1985 Oct 15; 146(1):120-9

Human papillomavirus type 16 DNA sequence. Seedorf K, et al. **Virology** 1985 Aug;145(1):181-5

Sequence homology between the large tumor antigen of polyoma viruses and the putative E1 protein of papilloma viruses. Seif I. **Virology** 1984 Oct 30;138(2):347-52

GROWTH & DEVELOPMENT

Transformation of cultured equine fibroblasts with a bovine papillomavirus. Wood AL, et al. **Res Vet Sci** 1985 Mar; 38(2):241-2

IMMUNOLOGY

Immunohistochemical and ultrastructural evidence of papilloma virus infection associated with in situ and microinvasive squamous cell carcinoma of the vulva. Pilotti S, et al. **Am J Surg Pathol** 1984 Oct;8(10):751-61

Bowenoid papulosis. Presence of human papillomavirus (HPV) structural antigens and of HPV 16-related DNA sequences. Gross G, et al. **Arch Dermatol** 1985 Jul; 121(7):858-63

Papillomavirus infection among Japanese: an immunohistochemical study for papillomavirus genus-specific antigen in human surface epithelial lesions. Nakajima T, et al. **Gann** 1985 Jun;76(6):508-16

Comparison of prevalence of human papillomavirus antigen in biopsies from women with cervical intraepithelial neoplasia. Singer A, et al. **J Clin Pathol** 1985 Aug; 38(8):855-7

Correlative studies of Verruca vulgaris by H & E, PAP immunostaining, and electronmicroscopy. Eng AM, et al. **J Cutan Pathol** 1985 Feb;12(1):46-54

A comparative immunoperoxidase and histopathologic study of condylomata acuminata. Kimura S, et al. **J Cutan Pathol** 1985 Apr;12(2):142-6

Bovine papillomavirus type 1 monoclonal antibodies. Gorra JB, et al. **JNCI** 1985 Jul;75(1):121-5

Oral 'hairy' leucoplakia in male homosexuals: evidence of association with both papillomavirus and a herpes-group virus. Greenspan D, et al. **Lancet** 1984 Oct 13;2(8407):831-4

Immunology of human papillomavirus: warts. Bender ME, et al. **Pediatr Dermatol** 1983 Oct;1(2):121-6

[Presence of papilloma group viral antigen in an esophageal condyloma in man] Lesec G, et al. **Gastroenterol Clin Biol** 1985 Feb;9(2):166-8 (Eng. Abstr.) **(Fre)**

[Immunohistological identification of papillomavirus antigen in cutaneous warts using anti-papillomavirus serum] Ishida T, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Apr; 95(5):577-83 **(Jpn)**

[Immunoperoxidase demonstration of papillomavirus antigen in dysplasia of the uterine cervix] Toki T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Mar;37(3):411-5 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Presence and expression of human papillomavirus sequences in human cervical carcinoma cell lines. Yee C, et al. **Am J Pathol** 1985 Jun;119(3):361-6

Enzyme-linked immunosorbent assay for the detection of bovine papillomavirus. el Shazly MO, et al. **Am J Vet Res** 1985 Aug;46(8):1737-9

Detection of papillomaviruses in cutaneous fibromas of white-tailed and mule deer. Sundberg JP, et al. **Am J Vet Res** 1985 May;46(5):1145-9

Histological types of carcinoma of the uterine cervix and the detectability of human papillomavirus DNA. Fukushima M, et al. **Cancer Res** 1985 Jul;45(7):3252-5

Human papillomavirus in various lesions of the head and neck. Strauss M, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):342-6

Rumen papillomas in sheep. Norval M, et al. **Vet Microbiol** 1985 Apr;10(3):219-29

Human papillomavirus types 16 and 18 sequences in carcinoma cell lines of the cervix. Pater MM, et al. **Virology** 1985 Sep;145(2):313-8

[Human papillomavirus disease of the cervix uteri] Nykliček O, et al. **Cesk Gynekol** 1985 Mar;50(2):103-8 (Eng. Abstr.) **(Cze)**

PATHOGENICITY

Role of papilloma virus in proliferative squamous lesions. Jenson AB, et al. **Surv Synth Pathol Res** 1985;4(1):8-13

[Wart virus and cancer] van Voorst Vader PC, et al. **Ned Tijdschr Geneeskd** 1985 Jul 20;129(29):1370-4 (42 ref.) **(Dut)**

PHYSIOLOGY

The biology of papillomaviruses and their role in oncogenesis. Smith KT, et al. **Anticancer Res** 1985 Jan-Feb; 5(1):31-47 (129 ref.)

PAPILLON-LEFEVRE DISEASE see under **KERATOSIS PALMARIS ET PLANTARIS**

PAPIO

Seroepizootiology of the herpesvirus Papio (HVP) infection in healthy baboons (Papio hamadryas) of high- and low-lymphoma risk populations. Voevodin AF, et al. **Exp Pathol** 1985;27(1):33-9

Pathogenesis of precirrhotic portal hypertension in alcohol-fed baboons. Miyakawa H, et al. **Gastroenterology** 1985 Jan;88(1 Pt 1):143-50

Spinal coccidioidomycosis in a baboon. Rosenberg DP, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1379-81

Standardization of radiorenography in dehydrated and rehydrated primates under laboratory conditions. Dormehl IC, et al. **J Med Primatol** 1983;12(2):68-76

Standardization of anaesthesia for radiorenography with primates under laboratory conditions. Dormehl IC, et al. **J Med Primatol** 1984;13(1):5-10

Tuberculosis in wild olive baboons, Papio cynocephalus anubis (Lesson), in Kenya. Tarara R, et al. **J Wildl Dis** 1985 Apr;21(2):137-40

A Yaba-like condition in a young baboon (Papio anubis). Whittaker D, et al. **Lab Anim** 1985 Jul;19(3):177-9

Endometriosis with bacterial peritonitis in a baboon. DaRif CA, et al. **Lab Anim Sci** 1984 Oct;34(5):491-3

Grandstand medicine [news] **Nature** 1984 Nov 8-14; 312(5990):88

Bovine surfactant (surfactant TA) therapy in immature baboons with hyaline membrane disease. Vidyasagar D, et al. **Pediatrics** 1985 Jun;75(6):1132-42

Adrenal lesions in the baboon (Papio spp). Skelton-Stroud PN, et al. **Vet Pathol** 1985 Mar;22(2):141-6

[Leukemogenesis and bone marrow hematopoietic disorders in baboons with immunoblastic malignant lymphomas of B- and T-cell types] Iakovleva LA, et al. **Vopr Onkol** 1985; 31(1):79-87 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

A histological study of the urethra of the male baboon--is it similar to man's? De Kock ML, et al. **J Urol** 1985 Sep; 134(3):617-9

[The parotid fascia] Levet Y, et al. **Bull Assoc Anat (Nancy)** 1983 Dec;67(199):475-84 (Eng. Abstr.) **(Fre)**

[Connections of the laterodorsal nucleus of the thalamus in the monkey. Study of efferents] Mikol J, et al. **Rev Neurol (Paris)** 1984;140(11):615-24 (Eng. Abstr.) **(Fre)**

BLOOD

Effects of selection for serum cholesterol concentrations on serum lipid concentrations and body weight in baboons. Kammerer CM, et al. **Am J Med Genet** 1984 Oct; 19(2):333-45

Expression of latent hematopoietic progenitor cells in cultures of newborn and adult baboon liver. Roodman GD, et al. **Blood** 1985 Jun;65(6):1518-25

Isolation and characterization of fibronectin from baboon plasma. Thoman PJ, et al. **Connect Tissue Res** 1985; 13(2):135-43

Detection of an epsilon chain in baboons after treatment with 5-azacytidine. DeSimone J, et al. **Hemoglobin** 1985; 9(3):217-26

Conservation of blood plasma fluids in hamadryas baboons after thermal dehydration. Zurovsky Y, et al. **J Appl Physiol** 1984 Sep;57(3):768-71

EMBRYOLOGY

The effect of medroxyprogesterone acetate (Depo-Provera) on prenatal development in the baboon (Papio anubis): a preliminary study. Tarara R. **Teratology** 1984 Oct; 30(2):181-5

GENETICS

Conservation of the human COL1A1-TK-GAA synteny and homoeologous assignment in the African green monkey and the baboon (Cercopithecoidae). Creau-Goldberg N, et al. **Hum Genet** 1984;68(4):333-6

Gc subtypes identified by isoelectric focusing in baboons (Papio hamadryas). Dykes D, et al. **Hum Genet** 1985; 69(1):89-90

[Chromosome analysis of female baboons following treatment with STS 557 and levonorgestrel] Strecke J, et al. **Zentralbl Gynakol** 1985;107(5):304-7 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

The relation of adiposity and body size to chronological age in olive baboons. Coelho AM Jr, et al. **Growth** 1984 Winter; 48(4):445-54

Weight growth in savannah baboons: a longitudinal study from birth to adulthood. Glassman DM, et al. **Growth** 1984 Winter;48(4):425-33

IMMUNOLOGY

Cellular immunology in the baboon (Papio cynocephalus): examination of structural and functional characteristics of adult and fetal lymphoid cells. Boldt DH, et al. **J Immunogenet** 1984 Jun-Aug;11(3-4):219-32

HTLV-I-reactive antibody in the northern and eastern Transvaal [letter] Botha MC, et al. **S Afr Med J** 1985 May 4;67(18):707

Spread and distribution of human T-cell leukaemia virus type I-reactive antibody among baboons and monkeys in the northern and eastern Transvaal. Botha MC, et al. **S Afr Med J** 1985 Apr 27;67(17):665-8

Prevalence of antibodies to human T-cell leukemia virus [letter] van der Riet FD, et al. **S Afr Med J** 1984 Sep 15;66(11):395

Metabolic changes in the autotransplanted baboon heart. Drake-Holland AJ, et al. **Transplantation** 1984 Nov; 38(5):454-9

Mitogenic responses of baboon (Papio cynocephalus) peripheral blood mononuclear cells. A possible role for monocytes. Dalesandro DA, et al. **Vet Immunol Immunopathol** 1985 Jun;9(2):171-81

METABOLISM

Temporal changes after death in primate diaphragm muscle oxidative enzyme activity. Maxwell LC, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1147-51

Mapping brain neuroleptic receptors in the live baboon. Arnett CD, et al. **Biol Psychiatry** 1984 Oct;19(10):1365-75

Source and regulation of 17 alpha-hydroxyprogesterone during baboon pregnancy. Albrecht ED, et al. **Biol Reprod** 1984 Oct;31(3):471-9

The primate thyroid gland contains receptors for androgens. Sheridan PJ, et al. **Endocrinology** 1984 Dec;115(6):2154-9

Radioimmunoassay of luteinizing hormone in the baboon (Papio hamadryas). Khan SA, et al. **J Med Primatol** 1985; 14(3):143-57

Central type benzodiazepine binding sites: a positron emission tomography study in the baboon's brain. Hantraye P, et al. **Neurosci Lett** 1984 Jul 27;48(2):115-20

Comparison of cortisol-cortisone interconversion in vitro by the human and baboon placenta. Pepe GJ, et al. **Steroids** 1984 Sep;44(3):229-40

MICROBIOLOGY

Antibiotic-resistant bacteria in wild primates: increased prevalence in baboons feeding on human refuse. Rolland RM, et al. **Appl Environ Microbiol** 1985 Apr;49(4):791-4

Herpesvirus HVMA: a new representative in the group of the EBV-like B-lymphotropic herpesviruses of primates. Lapin BA, et al. **Hamatol Bluttransfus** 1985;29:312-3

Observations by light microscopy and transmission electronmicroscopy on intestinal spirochaetosis in baboons (Papio spp.). Pearson GR, et al. **J Med Microbiol** 1985 Jun;19(3):359-66

[Establishment of a continuous restringently infected lymphoblastic cell line after transfection of a Vero monolayer culture by the circular DNA of a Papio herpesvirus] Lapin BA, et al. **Dokl Akad Nauk SSSR** 1984; 278(2):472-4 **(Rus)**

PARASITOLOGY

The helminth fauna of the digestive tracts of chacma baboons, Papio ursinus, from different localities in the Transvaal. Pettifer HL. **Onderstepoort J Vet Res** 1984 Sep; 51(3):161-70

Attempts to induce resistance to Schistosoma mansoni and S. haematobium in Kenyan baboons (Papio anubis) using non-specific immunostimulants. Sturrock RF, et al. **Parasitology** 1985 Feb;90 (Pt 1):101-10

PHYSIOLOGY

Mechanisms of honing in the male baboon canine. Walker A. **Am J Phys Anthropol** 1984 Sep;65(1):47-60

Disappearance of dextran 70,000 from plasma of hamadryas baboons. Zurovsky Y, et al. **Comp Biochem Physiol [A]** 1985;80(3):373-5

Organ blood flows of fetal and infant baboons. Paton JB, et al. **Early Hum Dev** 1984 Sep;10(1-2):137-47

Physiological sleep myoclonus in baboons. Cepeda C, et al. **Electroencephalogr Clin Neurophysiol** 1985 Feb; 60(2):158-62

Chemical synaptic transmission is not necessary for epileptic seizures to persist in the baboon Papio papio. Pumain R, et al. **Exp Neurol** 1985 Jul;89(1):250-8

Limitations of the nonhuman pregnancy kit for pregnancy diagnosis in baboons. Bambra CS, et al. **J Med Primatol** 1984;13(4):219-27

The influence of physical and chemical restraint on the physiology of the chacma baboon (Papio ursinus). Goosen DJ, et al. **J Med Primatol** 1984;13(6):339-51

Characterization of various molecular species of follicle-stimulating hormone in baboon pituitary preparations. Khan SA, et al. **J Med Primatol** 1984; 13(6):295-304

CBF and time thresholds for the formation of ischemic cerebral edema, and effect of reperfusion in baboons. Bell BA, et al. **J Neurosurg** 1985 Jan;62(1):31-41

Fertilization and cleavage in vitro of baboon oocytes. Irsigler UM, et al. **S Afr Med J** 1984 Sep 22;66(12):447-50

[Effect of stress-inducing factors on the behavior of monkeys. I. The behavior of monkeys under acute emotional stress] Butovskaia ML, et al. **Biol Nauki** 1985;(6):67-74 (Eng. Abstr.) **(Rus)**

[Effect of ACTH on the corticosteroid and progesterone levels in female hamadryas baboons in relation to the menstrual cycle phase] Todua TN, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):135-7 (Eng. Abstr.) **(Rus)**

PAPOVAVIRIDAE

ANALYSIS

Characterization of the DNA of the hamster papovavirus: II. A comparison of binding sites for Escherichia coli- and calf thymus RNA polymerase II on the hamster papovavirus genome. Vogel F, et al. **Biomed Biochim Acta** 1985;44(2):235-41

GENETICS

Investigations of budgerigar fledgling disease virus. Dykstra MJ, et al. **Am J Vet Res** 1984 Sep;45(9):1883-7

Characterization of the DNA of the hamster papovavirus: I. Genom length and molecular cloning. Vogel F, et al. **Arch Geschwulstforsch** 1984;54(6):433-41

Genome structure and host range restriction of the lymphotropic papovavirus (LPV): identification of a viral lymphocyte specific enhancer element. Pawlita M, et al. **Curr Top Microbiol Immunol** 1984;113:26-30

A new member of the polyomavirus family: the hamster papovavirus. Complete nucleotide sequence and transformation properties. Delmas V, et al. **EMBO J** 1985 May;4(5):1279-86

Molecular cloning of the hamster papovavirus genome in Escherichia coli plasmid vector pBR322. Zimmermann W, et al. **Gene** 1984 Jul-Aug;29(1-2):243-6

Oncogenes: growth regulation and the papovaviruses polyoma and SV40. Smith AE. **J Cell Biochem** 1984; 26(2):89-93 (52 ref.)

Genetic heterogeneity of the human papovaviruses BK and JC. Beckmann AM, et al. **J Med Virol** 1985 Mar; 15(3):239-50

Simian agent 12 is a BK virus-like papovavirus which replicates in monkey cells. Cunningham TP, et al. **J Virol** 1985 May;54(2):483-92

[Genome expression of the DNA-containing human papovavirus in transformed human cells] Klenova AV, et al. **Biol Nauki** 1985;(1):33-7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Monkey B-lymphotropic papovavirus mutant capable of replicating in T-lymphoblastoid cells. Kanda T, et al. **J Virol** 1985 Jul;55(1):96-100

ISOLATION & PURIFICATION

Isolation and experimental chicken-embryo-inoculation studies with budgerigar papovavirus. Lynch J, et al. **Avian Dis** 1984 Oct-Dec;28(4):1135-9

Isolation of a papovavirus-like agent from young budgerigars with feather abnormalities. Hirai K, et al. **Nippon Juigaku Zasshi** 1984 Aug;46(4):577-82

PATHOGENICITY

Papovavirus in epitheliomas appearing on lymphoma-bearing hamsters: lack of association with horizontally transmitted lymphomas of Syrian hamsters. Coggin JH Jr, et al. **JNCI** 1985 Jul;75(1):91-7

PHYSIOLOGY

Heterogeneity, molecular weight and stability of an oncogenic papovavirus of the Syrian hamster. Böttger M, et al. **Arch Geschwulstforsch** 1985;55(4):225-33

Interaction of K papovavirus with hamster cells: transformation of glial cells in vitro but failure of the virus to produce central nervous system tumors in vivo. Greenlee JE, et al. **Arch Virol** 1985;83(3-4):207-15

ULTRASTRUCTURE

Epornitic of papova-like virus-associated disease in a psittacine nursery. Jacobson ER, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1337-41

Emergence of papovavirus in long-term cultures of astrocytes from progressive multifocal leukoencephalopathy patients. Sangalang VE, et al. **J Neuropathol Exp Neurol** 1984 Nov;43(6):553-67

PAPP-D see **PLACENTAL LACTOGEN**

PAPPATACI FEVER

MICROBIOLOGY

Serological studies on sandfly fevers in the Republic of Bangladesh. Gaidamovich SY, et al. **Acta Virol (Praha)** 1984 Jul;28(4):325-8

OCCURRENCE

Neurovirulent Toscana virus (a sandfly fever virus) in Swedish man after visit to Portugal [letter] Ehrnst A, et al. **Lancet** 1985 May 25;1(8439):1212-3

Sandfly fever among Swedish UN troops in Cyprus [letter] Niklasson B, et al. **Lancet** 1985 May 25;1(8439):1212

PHYSIOPATHOLOGY

Effects of virus infection on physical performance in man. Daniels WL, et al. **Milit Med** 1985 Jan;150(1):8-14

PAPPATACI FEVER VIRUS see under **BUNYAVIRIDAE**

PARA-CHLOROPHENYLALANINE see **P-CHLOROPHENYLALANINE**

PARA-DIHYDROXYBENZENES see **HYDROQUINONES**

PARA-HYDROXYBENZOIC ACIDS see **PARABENS**

PARA-OCTOPAMINE see **NORSYNEPHRINE**

PARA-AORTIC BODIES see under **CHROMAFFIN SYSTEM**

PARABENS

ANALYSIS

Gel filtration of solubilized systems. VII. Temperature effect on the solubilization of ethylparaben in hexaoxyethylene lauryl ether micelles. Goto A, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):2905-9

Rapid quantitative method for simultaneous determination of benzoic acid, sorbic acid, and four parabens in meat and nonmeat products by liquid chromatography. Ali MS. **J Assoc Off Anal Chem** 1985 May-Jun;68(3):488-92

Application of orthogonal functions to spectrophotometric analysis of the preservatives benzylalcohol, phenol and parabens in aqueous cyanocobalamin solutions. Girgis EH, et al. **J Pharm Pharmacol** 1984 Dec;36(12):840-2

BLOOD

Simultaneous determination of gabexate mesilate (Foy) and its catabolite in plasma and whole blood by reverse-phase high-performance liquid chromatography. Menegatti E, et al. **Pharm Acta Helv** 1985;60(5-6):170-4

METABOLISM

Percutaneous absorption of butylparaben in vitro. II. Effects of micellar trapping of the drug and percutaneous absorption of nonionic surfactants. Komatsu H. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3739-43

PHARMACODYNAMICS

Mounting evidence of paraben sensitivity in dogs [letter] Person JR. **Arch Dermatol** 1985 Sep;121(9):1107

TOXICITY

Tumorigenicity study of butyl and isobutyl p-hydroxybenzoates administered orally to mice. Inai K, et al. **Food Chem Toxicol** 1985 Jun;23(6):575-8

PARABIOSIS

The response to Schistosoma mansoni of infected mice and non-infected mice following parabiosis. II—Immunological aspects. Fuks MA, et al. **An Microbiol (Rio De J)** 1982; 27:147-58

The responses to Schistosoma mansoni of infected mice and non-infected mice following parabiosis. I—Histological aspects. Fuks MA, et al. **An Microbiol (Rio De J)** 1982; 27:129-38

Internal signals cause large changes in food intake in one-way crossed intestines rats. Koopmans HS. **Brain Res Bull** 1985 Jun;14(6):595-603

Genetic analysis of developmental mechanics in hydra. XI.

Mechanism of sex reversal by heterosexual parabiosis. Sugiyama T, et al. **Dev Biol** 1985 Aug;110(2):413-21

Humoral factors in the pathogenesis of primary hypertension. Zidek W, et al. **Klin Wochenschr** 1985;63 Suppl 3:94-6

Alternations of liver pathophysiology in experimental hepatic failure treated by two forms of plasma purification procedure. Ouchi K, et al. **Tohoku J Exp Med** 1985 Jun;146(2):211-23

[Significance of cross-circulation on obstructive jaundice in rats with special reference to the mitochondrial function of the liver and kidney] Fukaya H, et al. **Nippon Geka Gakkai Zasshi** 1985 Jun;86(6):709-16 (Eng. Abstr.) **(Jpn)**

[A study of morphopathological changes in the ovary caused by parabiotic union in rats] Mitamura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Nov;36(11):2090-8 (Eng. Abstr.) **(Jpn)**

[Analysis of the paradoxical stage of neural cathodal parabiosis (the reciprocal inhibition of adjacent fibers)] Matiushkin DP, et al. **Fiziol Zh SSSR** 1984 Oct;70(10):1409-15 (Eng. Abstr.) **(Rus)**

[Extracorporeal connection of donor's spleen for detoxication of the body] Shumakov VI, et al. **Khirurgiia (Mosk)** 1985 Apr;(4):110-4 (Eng. Abstr.) **(Rus)**

METHODS

Efficacies of whole blood and plasma cross circulation on galactosamine induced hepatic failure rats. Okabe K, et al. **Trans Am Soc Artif Intern Organs** 1984;30:395-8

PARACETAMOL see **ACETAMINOPHEN**

PARACHLORAMINE see **MECLIZINE**

PARACHUTING see **AVIATION**

PARACOCCIDIOIDES see under **PHYCOMYCETES**

PARACOCCIDIOIDOMYCOSIS

Paracoccidioides brasiliensis arthritis. Report of a case and review of the literature. Castañeda OJ, et al. **J Rheumatol** 1985 Apr;12(2):356-8

COMPLICATIONS

[Duodenal paracoccidioidomycosis with digestive bleeding] Martinez R, et al. **Rev Inst Med Trop Sao Paulo** 1984 May-Jun;26(3):160-4 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Preparation and use of cytoplasmic antigens for the serodiagnosis of paracoccidioidomycosis. McGowan KL, et al. **J Clin Microbiol** 1985 Jul;22(1):39-43

Serology of paracoccidioidomycosis. I. Evaluation of the indirect immunofluorescent test. Mistreta T, et al. **Mycopathologia** 1985 Jan;89(1):13-7

Paracoccidioidomycosis in Japan. Report of a case. Chikamori T, et al. **Rev Inst Med Trop Sao Paulo** 1984 Sep-Oct;26(5):267-71

A yeast-derived antigen from Paracoccidioides brasiliensis useful for serologic testing. Restrepo A, et al. **Sabouraudia** 1985 Feb;23(1):23-9

DRUG THERAPY

Study of current and new drugs in a murine model of acute paracoccidioidomycosis. Lefler E, et al. **Am J Trop Med Hyg** 1985 Jan;34(1):134-40

Paracoccidioidomycosis: a comparative study of the evolutionary serologic, clinical and radiologic results for patients treated with ketoconazole or amphotericin B plus sulfonamides. Marques SA, et al. **Mycopathologia** 1985 Jan;89(1):19-23

The effect of ketoconazole on experimental paracoccidioidomycosis in the Syrian hamster: immunological and histopathological study. Mota NG, et al. **Mycopathologia** 1984 Dec 30;88(2-3):141-8

Clinical and serologic features of 47 patients with paracoccidioidomycosis treated by amphotericin B. de Campos EP, et al. **Rev Inst Med Trop Sao Paulo** 1984 Jul-Aug;26(4):212-7

Chronic murine paracoccidioidomycosis: effect of ketoconazole on clearance of Paracoccidioides brasiliensis and immune response. Hoyos GL, et al. **Sabouraudia** 1984;22(5):419-26

[Combination of rifampicin with amphotericin B in the treatment of paracoccidioidomycosis. Results in 3 treated patients] Wanke B, et al. **Rev Inst Med Trop Sao Paulo** 1984 Jul-Aug;26(4):205-11 (Eng. Abstr.) **(Por)**

ETIOLOGY

Sex hormones and susceptibility of the rat to paracoccidioidomycosis. Kerr IB, et al. **Mycopathologia** 1984 Dec 30;88(2-3):149-54

IMMUNOLOGY

In vitro effects of natural killer cells against Paracoccidioides brasiliensis yeast phase. Jimenez BE, et al. **Infect Immun** 1984 Nov;46(2):552-8

The role of C5 in experimental murine paracoccidioidomycosis [letter] Burger E, et al. **J Infect Dis** 1985 Aug;152(2):425

Enzyme-linked immunosorbent assay (ELISA) in the paracoccidioidomycosis. Comparison with counterimmunoelectrophoresis and erythro-immunoassay. de Camargo ZP, et al. **Mycopathologia** 1984 Oct 30;88(1):31-7

Antigenemia in paracoccidioidomycosis. Probable demonstration of circulating antigen by counterimmunoelectrophoresis test. Preliminary report. Rodrigues MC, et al. **Rev Inst Med Trop Sao Paulo** 1984 Sep-Oct;26(5):285-7

Magnetic enzyme-linked immunosorbent assay (MELISA) for determination of specific IgG in paracoccidioidomycosis. de Camargo ZP, et al. **Sabouraudia** 1984;22(4):291-9

Skin and pulmonary models using coated bentonite particles for the study of the inflammation evoked by Paracoccidioides brasiliensis antigens in previously immunized mice. Defaveri J, et al. **Sabouraudia** 1984;22(6):477-86

Serology of paracoccidioidomycosis. II. Correlation between class-specific antibodies and clinical forms of the disease. Biagioni L, et al. **Trans R Soc Trop Med Hyg** 1984;78(5):617-21

[Cutaneous reactivity of the Panamanian population against 3 fungus antigens] de Martin MC. **Rev Med Panama** 1985 Jan;10(1):60-5 (Eng. Abstr.) **(Spa)**

METABOLISM

PMN chemotactic factor produced by glass-adherent cells in the acute inflammation caused by Paracoccidioides brasiliensis. Calich VL, et al. **Br J Exp Pathol** 1985 Feb;66(1):57-65

MICROBIOLOGY

Estrogens inhibit mycelium-to-yeast transformation in the fungus Paracoccidioides brasiliensis: implications for resistance of females to paracoccidioidomycosis. Restrepo A, et al. **Infect Immun** 1984 Nov;46(2):346-53

OCCURRENCE

Paracoccidioidomycosis. Report of the first autochtonous case in El Salvador. Hernández-Pérez E, et al. **Int J Dermatol** 1984 Nov;23(9):617-8

[Between Yucatan, Florida and French Guiana does lobomycosis exist in the Antilles?] Pradinaud R. **Bull Soc Pathol Exot Filiales** 1984 May-Jun;77(3):392-400 (Eng. Abstr.) **(Fre)**

[Initial isolation of Paracoccidioides brasiliensis in Panama] de Martin MC, et al. **Rev Med Panama** 1985 May;10(2):98-102 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Pulmonary cytology in paracoccidioidomycosis. Tani EM, et al. **Acta Cytol (Baltimore)** 1984 Sep-Oct;28(5):571-5

Bronchoalveolar lavage findings in pulmonary paracoccidioidomycosis. Boscardin RN, et al. **Sabouraudia** 1985 Apr;23(2):143-6

PARACOCCUS DENITRIFICANS

ANALYSIS

Dimeric porin from Paracoccus denitrificans. Zalman LS, et al. **J Bacteriol** 1985 Apr;162(1):430-3

ENZYMOLOGY

Patterns of product inhibition for bacterial nitrite reductase. Dhesi R, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):966-72

The role of subunit III in bovine cytochrome c oxidase. Comparison between native, subunit III-depleted and Paracoccus denitrificans enzymes. Nałęcz KA, et al. **Biochim Biophys Acta** 1985 Jul 17;808(2):259-72

Immunochemical identification of a two-subunit NADH-ubiquinone oxidoreductase from Paracoccus denitrificans. George CL, et al. **Eur J Biochem** 1984 Sep 17;143(3):567-73

Partial purification and characterization of glutaryl-coenzyme A dehydrogenase, electron transfer flavoprotein, and electron transfer flavoprotein-Q oxidoreductase from Paracoccus denitrificans. Husain M, et al. **J Bacteriol** 1985 Aug;163(2):709-15

Isolation of ubiquinol oxidase from Paracoccus denitrificans and resolution into cytochrome bc1 and cytochrome c-aa3 complexes. Berry EA, et al. **J Biol Chem** 1985 Feb 25;260(4):2458-67

Cloning of Paracoccus cytochrome c oxidase subunit II. Paetow B, et al. **J Inorg Biochem** 1985 Mar-Apr;23(3-4):183-6

GROWTH & DEVELOPMENT

Statistical analysis of growth limitations in Paracoccus denitrificans: an experiment with a completely randomized two-way factorial design with replications. Schoen ED, et al. **Antonie Van Leeuwenhoek** 1985;51(1):11-24

METABOLISM

Denitrification of high concentrations of nitrites and nitrates in synthetic medium with different sources of organic carbon. III. Methanol. Błaszczyk M, et al. **Acta Microbiol Pol** 1985;34(2):195-205

Osmotic effects on bacterial transport and energetics. Erecińska M, et al. **FEBS Lett** 1985 Aug 19;188(1):145-9

Nitric oxide-dependent proton translocation in various denitrifiers. Shapleigh JP, et al. **J Bacteriol** 1985 Sep;163(3):837-40

Mechanism and stereospecificity of the parabactin-mediated iron-transport system in Paracoccus denitrificans. Bergeron RJ, et al. **J Biol Chem** 1985 Jul 5;260(13):7936-44

PARADENTIUM see **PERIODONTIUM**

PARADOXICAL SLEEP see **SLEEP, REM**

PARAFFIN

Immunoperoxidase study of lymphomas. Comparison of a one-step frozen section technic with indirect methods on paraffin sections. Magidson JG, et al. **Am J Clin Pathol** 1985 Aug;84(2):166-72

Quantitative evaluation of guinea pig spermatogenesis: Epon versus paraffin embedding. Sinha Hikim AP, et al. **Arch Androl** 1984;13(2-3):121-8

Tulle gras dressings [letter] Lawrence JC. **J Hosp Infect** 1984 Sep;5(3):337-9

Use of freeze-dried paraffin-embedded sections for immunohistologic staining with monoclonal antibodies. Stein H, et al. **Lab Invest** 1985 Jun;52(6):676-83

Molecular resolution electron micrographs of monolamellar paraffin crystals. Zemlin F, et al. **Science** 1985 Aug 2;229(4712):461-2

A simple device to eliminate static electricity while sectioning paraffin. Berk LS, et al. **Stain Technol** 1985 May;60(3):184-6

Rapid deparaffinization for electron microscopy. van den Bergh Weerman MA, et al. **Ultrastruct Pathol** 1984;7(1):55-7

[Qualitative and quantitative determination of bacterial populations in an aquatic environment. 7. Development of bacterial growth on raw materials exposed to potable water] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 May;180(5-6):436-47 (Eng. Abstr.) **(Ger)**

[A case of bronchopleural fistula with expectoration of wax after extraperiosteal paraffin plombage 11 years earlier] Iuchi K, et al. **Rinsho Kyobu Geka** 1984 Nov;4(6):745-9 (Eng. Abstr.) **(Jpn)**

[Supplementary procedures in embedding tissues in paraffin] Suponitskiĭ VIa. **Arkh Patol** 1985;47(4):64-5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

An unsuspected case of lipoid pneumonia: report of a case and review of the literature. Warson F, et al. **Acta Clin Belg** 1984;39(6):368-73

Paraffinomas of the scalp. Klein JA, et al. **Arch Dermatol** 1985 Mar;121(3):382-5

Obscure carcinoma encountered in subcutaneous mastectomy in silicone- and paraffin-injected breasts: two patients. Pennisi VR. **Plast Reconstr Surg** 1984 Oct;74(4):535-8

ANALYSIS

Trace level detection of chlorinated paraffins in biological and environmental samples, using gas chromatography/mass spectrometry with negative-ion chemical ionization. Schmid PP, et al. **J Assoc Off Anal Chem** 1985 May-Jun;68(3):427-30

DIAGNOSTIC USE

The effect of paraffin wax embedding procedures on the ability of the fluorescent antibody test to demonstrate bluetongue virus antigen in insect tissue. Jennings M, et al. **Acta Virol (Praha)** 1984 Nov;28(6):495-500

TOXICITY

Effects of chlorinated paraffins on liver weight, cytochrome P-450 concentration and microsomal enzyme activities in chick embryos. Brunström B. **Arch Toxicol** 1985 Apr;57(1):69-71

Disturbance of motor performance and thermoregulation in mice given two commercial chlorinated paraffins. Eriksson P, et al. **Bull Environ Contam Toxicol** 1985 Feb;34(2):205-9

Long term complications caused by injected silicone gel and paraffin oil. Kubota J, et al. **Keio J Med** 1984 Sep;33(3):127-36

PARAFFIN JELLY see **PETROLATUM**

PARAGANGLIA, CHROMAFFIN see under **CHROMAFFIN SYSTEM**

PARAGANGLIA, NONCHROMAFFIN

EMBRYOLOGY

Denervation of peripheral chemoreceptors decreases breathing movements in fetal sheep. Murai DT, et al. **J Appl Physiol** 1985 Aug;59(2):575-9

METABOLISM

Cholecystokinin-like immunoreactivity in cat extra-adrenal paraganglia. Kummer W, et al. **Neurosci Lett** 1985 Apr 9;55(2):207-10

PHYSIOPATHOLOGY

Cardiovascular responses to hypoxia in the spontaneously breathing cat: reflexes originating from carotid and aortic bodies. Serani A, et al. **Arch Biol Med Exp (Santiago)** 1983 Aug;16(1):29-41

PARAGANGLIOMA

Paragangliomas of the petrous temporal bone. Gertler R, et al. **S Afr Med J** 1984 Oct 20;66(16):614-5

COMPLICATIONS

Micturition-induced hypertension in a 58-year-old woman [clinical conference] **Am J Med** 1985 Feb;78(2):307-16

Intrathecal paraganglioma of the cauda equina. Reyes MG, et al. **Neurosurgery** 1984 Oct;15(4):578-82

DIAGNOSIS

Two-dimensional echocardiographic detection of mediastinal pheochromocytoma. Cueto-Garcia L, et al. **Chest** 1985 Jun;87(6):834-6

Localization of mediastinal paragangliomas (pheochromocytoma). Sheps SG, et al. **Chest** 1985 Jun;87(6):807-9

ETIOLOGY

Nonepithelial neoplasms arising within vesical diverticula. McCormick SR, et al. **Urology** 1985 Apr;25(4):405-8

PATHOLOGY

Left neck mass [clinical conference] Som PM, et al. **AJR** 1985 Aug;145(2):399-405

Mesoappendiceal paraganglioma. Clark DE, et al. **Am J Gastroenterol** 1985 May;80(5):340-2

Nonfunctional paraganglioma of the pancreas. Zamir O, et al. **Am J Gastroenterol** 1984 Oct;79(10):761-3

Metastatic intravagal paraganglioma. Case report and review of the literature. Heinrich MC, et al. **Am J Med** 1985 Jun;78(6 Pt 1):1017-24

Simultaneous local recurrence of retroperitoneal paraganglioma with liver metastases. Aviram R, et al. **Arch Pathol Lab Med** 1985 Apr;109(4):373-4

Intravagal paraganglioma: report of a case and review of the literature. Chen E, et al. **Ear Nose Throat J** 1985 Apr;64(4):190-5

Gastric epitheloid leiomyomas, pulmonary chondroma, non-functioning metastasizing extra-adrenal paraganglioma and myxoma: a variant of Carney's triad. Report of a patient. Rüfenacht H, et al. **Klin Wochenschr** 1985 Mar 15;63(6):282-4

Multiple paraganglioneuromas Kawaguchi K, et al. **Virchows Arch [A]** 1985;406(3):373-80

[Clinicopathological analysis of cilioma of the orbit] Zhang RY. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):197-200 **(Chi)**

[A non-secreting bladder paraganglioma. A case report] Benoit G, et al. **Ann Urol (Paris)** 1985;19(2):116-8 (Eng. Abstr.) **(Fre)**

[Paraganglioma with multiple endocrine adenomas] Schwesinger G, et al. **Z Gesamte Inn Med** 1984 Oct 1;39(19):481-5 (Eng. Abstr.) **(Ger)**

[Two cases of paragangliomas of the cauda equina--case reports and review of the literature] Minase T, et al. **Gan No Rinsho** 1985 Jul;31(8):1012-7 (Eng. Abstr.) **(Jpn)**

[Multiple primary malignant paragangliomas of the bladder and retroperitoneal space] Nepomniashchaia KV. **Arkh Patol** 1985;47(4):54-7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

A case of spinal paraganglioma. Solymosi L, et al. **Neuroradiology** 1985;27(3):217-9

SECONDARY

A metastatic endocrine-neurogenic tumor of the ampulla of Vater with multiple endocrine immunoreaction--malignant paraganglioma? Büchler M, et al. **Digestion** 1985;31(1):54-9

Carotid body paraganglioma with metastases. Zbaren P, et al. **Laryngoscope** 1985 Apr;95(4):450-4

Hepatic artery embolization for treatment of endocrine gastrointestinal tumors with liver metastases. Stöckmann F, et al. **Z Gastroenterol** 1984 Nov;22(11):652-60

THERAPY

[Tumors and vascular malformations of the larynx. Angiographic aspects and therapeutic indications] Klap P, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):579-83 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Duodenal gangliocytic paraganglioma. An immunohistochemical and ultrastructural study and a hypothesis concerning its origin. Perrone T, et al. **Am J Surg Pathol** 1985 Jan;9(1):31-41

Laryngeal neuroendocrine tumour with features of a paraganglioma, intracytoplasmic lumina and acinar formation. Spagnolo DV, et al. **Histopathology** 1985 Jan;9(1):117-31

Paraganglioma of the cauda equina: a histological, ultrastructural and immunocytochemical study of two cases with a review of the literature. Ironside JW, et al. **J Pathol** 1985 Feb;145(2):195-201

PARAGANGLIOMA, NONCHROMAFFIN

Vagal body tumor: paraganglioma of the head and neck. Persson AV, et al. **CA** 1985 Jul-Aug;35(4):232-7

COMPLICATIONS

Malignant chemodectoma of the carotid body causing spinal cord compression. Occhiogrosso M, et al. **Surg Neurol** 1985 Jan;23(1):14-8

[Chemodectoma causing narrowing of the pharyngeal lumen] Jelínek R. **Cesk Otolaryngol** 1985 Jun;34(3):195-7 (Eng. Abstr.) **(Cze)**

[Chemodectoma. Apropos of a case located on the course of the inferior dental nerve] Burg J, et al. **Rev Stomatol Chir Maxillofac** 1985;86(1):46-8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Assessment and treatment of neurogenic and non-neurogenic tumors of the parapharyngeal space. Ferlito A, et al. **Head Neck Surg** 1984 Oct;7(1):32-43

Paraganglioma of the tympanic membrane. Pusalkar A, et al. **J Laryngol Otol** 1985 May;99(5):481-3

A case of nonfunctioning paraganglioma arising from the retroperitoneum: angiographic and scintigraphic features. Oguma S, et al. **J Urol** 1985 Jan;133(1):73-6

Glomus jugulare tumors revisited: a ten-year statistical follow-up of 231 cases. Brown JS. **Laryngoscope** 1985 Mar;95(3):284-8

[Malignant chemodectoma of the intrapetrous facial nerve] Camuzet JP, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(2):109-14 (Eng. Abstr.) **(Fre)**

[Radionuclide-thermographic diagnosis of neck paragangliomas] Gabuniia RI, et al. **Med Radiol (Mosk)** 1985 Mar;30(3):54-7 (Eng. Abstr.) **(Rus)**

[Features of the diagnosis and treatment of carotid chemodectomas] Teterin FN, et al. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):60-2 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Familial bilateral carotid and unilateral jugular glomera. Ultrastructural study apropos of 2 clinical cases] Blay L, et al. **An Otorrinolaringol Ibero Am** 1985;12(3):209-15 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Nonchromaffin paraganglioma in the nose and paranasal sinuses. Ueda N, et al. **Acta Pathol Jpn** 1985 Mar;35(2):489-95

Chemodectoma of the cauda equina: case report. Ilgren EB, et al. **Clin Neuropathol** 1984 Jul-Aug;3(4):148-52

Retinal vascular tortuosity and recurrent retinal haemorrhages in a patient with non-chromaffin paraganglioma. Grønvold Olsen E, et al. **Ophthalmologica** 1985;191(1):57-60

[Nonchromaffin paraganglioma of the orbit--a case report and review of the literature] Yao TJ. **Chung Hua Chung Liu Tsa Chih** 1984 May;6(3):231-2 (Eng. Abstr.) **(Chi)**

[Chemodectoma of nerve X. Value and interest of the concept of the diffuse paraganglionic system] Perrin C, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):627-30 (Eng. Abstr.) **(Fre)**

[Jugulotympanic paraganglioma] Höfler H, et al. **Wien Klin Wochenschr** 1985 Jun 7;97(12):530-4 (Eng. Abstr.) **(Ger)**

[Concomitance of gastric epithelioid leiomyosarcoma, functional extra-adrenal paraganglioma and chondroma of the lung] Bigotti G, et al. **Clin Ter** 1984 Aug 15;110(3):271-5 (Eng. Abstr.) **(Ita)**

[Glomus tumor of the peritoneal cavity associated with lymphogranulomatosis] Zmeul VK, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):120-1 **(Rus)**

RADIOGRAPHY

[Angiography in neurogenic neck tumors] Zyb AF, et al. **Radiol Diagn (Berl)** 1984;25(3):247-54 (Eng. Abstr.) **(Ger)**

[High-resolution and dynamic computed tomography in the diagnosis of glomus tympanicum and glomus jugulare tumors] König H, et al. **ROFO** 1984 Dec;141(6):642-6 (Eng. Abstr.) **(Ger)**

[Computed tomography in the diagnosis of paragangliomas of the neck] Gabuniia RI, et al. **Vestn Otorinolaringol** 1984 Sep-Oct;(5):46-9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Angiographic and scintigraphic localization of a nonfunctional, nonchromaffin paraganglioma] Oguma S, et al. **Rinsho Hoshasen** 1984 May;29(5):631-4 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Radiation therapy in the management of chemodectomas in Nigeria. Durosinmi-Etti FA, et al. **Afr J Med Med Sci** 1984 Sep-Dec;13(3-4):145-50

SECRETION

Catecholamine-secreting infratemporal fossa paraganglioma. Cantrell RW, et al. **Ann Otol Rhinol Laryngol** 1984 Nov-Dec;93(6 Pt 1):583-8

SURGERY

Infratemporal fossa approach for lesions in the temporal bone and base of the skull. Fisch U. **Adv Otorhinolaryngol** 1984;34:254-66

Infratemporal approach to skull base for glomus tumors: anatomic considerations. Farrior JB. **Ann Otol Rhinol Laryngol** 1984 Nov-Dec;93(6 Pt 1):616-22

Nonchromaffin paraganglioma of the retroperitoneum. Kryger-Baggesen N, et al. **J Urol** 1985 Sep;134(3):536-8

Control of sigmoid sinus in glomus jugulare tumor resection. Hotaling AJ, et al. **Laryngoscope** 1985 Apr;95(4):481-2

[Chemodectoma: report of a case and literature review] Wang DK. **Chung Hua Wai Ko Tsa Chih** 1984 May;22(5):291-2 (Eng. Abstr.) **(Chi)**

[Ectopic internal carotid artery in the tympanic cavity. Intraoperative complications and their treatment. A case report] Elies W, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Apr;64(4):202-5 (Eng. Abstr.) **(Ger)**

[Characteristics of the anesthesiological assistance in catecholamine-producing chemodectomas] Falileev GV, et al. **Klin Khir** 1984 Dec;(12):43 **(Rus)**

THERAPY

Pre-operative embolisation of a chemodectoma. Hennessy O, et al. **Br J Radiol** 1984 Sep;57(682):845-6

Inoperative arterial embolization followed by excision of large chemodectoma. Gryskiewicz JM, et al. **Wis Med J** 1984 Aug;83(8):21-4

[Angiographic and surgical control of the vertebral and carotid pedicles supplying giant paraganglioma of the skull base and neck] George B, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(1):59-63 (Eng. Abstr.) **(Fre)**

[Chemodectoma of the glomus jugulare and glomus jugulo-tympanicum] Kuczkowski J. **Otolaryngol Pol** 1984;38(5):413-9 (Eng. Abstr.) **(Pol)**

VETERINARY

A polypeptide immunoreactive nonchromaffin paraganglioma in the periglandular connective tissue of glandula suprarenalis of a dog. A case report. Dorn A, et al. **Exp Pathol** 1985;27(2):99-104

PARAGONIMIASIS

COMPLICATIONS

[A case of paragonimiasis miyazakii appearing with bilateral pneumothorax, effusion and alternating chest pain--a review of 82 cases reported in Japan] Matumine H, et al. **Nippon Naika Gakkai Zasshi** 1985 May;74(5):597-605 **(Jpn)**

[Two cases of paragonimiasis westermani with bilateral pleural effusion] Tashiro T, et al. **Nippon Naika Gakkai Zasshi** 1984 Oct;73(10):1485-9 **(Jpn)**

DIAGNOSIS

Application of different Paragonimus antigens to immunodiagnosis of human lung fluke infection. Knobloch J. **Arzneimittelforsch** 1984;34(9B):1208-10

Pre- and posttreatment serodiagnosis for paragonimiasis. Tsuji M. **Arzneimittelforsch** 1984;34(9B):1204-7

[A case of ocular paragonimiasis] Vérin P, et al. **Bull Soc Ophtalmol Fr** 1984 Aug-Sep;84(8-9):997-9 **(Fre)**

[Paragonimiasis westermani with exudative pleurisy] Akashi M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Jul;22(7):603-6 (Eng. Abstr.) **(Jpn)**

[Early clinical symptoms and signs of paragonimiasis westermani, time course when intradermal test with Paragonimus westermani antigen turns positive and effects of praziquantel on paragonimiasis] Kanzaki T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Mar;23(3):368-73 (Eng. Abstr.) **(Jpn)**

[Human larval paragonimiasis in the Maritime Territory] Sukhanova GI. **Med Parazitol (Mosk)** 1984 Sep-Oct;(5):20-3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Paragonimiasis: treatment with praziquantel in 40 human cases and in 1 cat. Cao WJ, et al. **Arzneimittelforsch** 1984;34(9B):1203-4

Paragonimiasis: experimental and clinical experience with praziquantel in Korea. Rim HJ. **Arzneimittelforsch** 1984; 34(9B):1197-203

Experimental chemotherapy of paragonimiasis. A review. Yokogawa M. **Arzneimittelforsch** 1984;34(9B):1193-6 (16 ref.)

Paragonimiasis: diagnosis and the use of praziquantel in treatment. Johnson RJ, et al. **Rev Infect Dis** 1985 Mar-Apr; 7(2):200-6

Studies on paragonimiasis: treatment with mebendazole, emetine with mebendazole and praziquantel. Benjapong W, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):354-9

[Preliminary observation on praziquantel in the treatment of paragonimiasis sichuanensis] Chen QD, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(3):140-3 (Eng. Abstr.) **(Chi)**

[Follow-up of 23 cases of paragonimiasis treated with bithionol] Liao LG. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(3):184 **(Chi)**

[Clinical analysis of 119 cases of paragonimiasis szchuanensis] Wang WG, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(1):5-8 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

Serum antibody levels in human paragonimiasis before and after therapy with praziquantel. Knobloch J, et al. **Trans R Soc Trop Med Hyg** 1984;78(6):835-6

OCCURRENCE

A field study of paragonimiasis in Venezuela. Alarcón de Noya B, et al. **Am J Trop Med Hyg** 1985 Jul;34(4):766-9

[Epidemiological survey of paragonimiasis in Wufeng County, Hubei Province] Yang SJ. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Dec; 5(6):354-6 (Eng. Abstr.) **(Chi)**

[Endemic pulmonary paragonimiasis in Lower Mundani (Fontem district of southwest Cameroon). Results of treatment with praziquantel] Sam-Abbenyi A. **Bull Soc Pathol Exot Filiales** 1985;78(3):334-41 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Paragonimiasis in the Philippines: current status. Cabrera BD. **Arzneimittelforsch** 1984;34(9B):1188-92

Paragonimus westermani: pathogenesis and clinical features of infection. Choi WY. **Arzneimittelforsch** 1984; 34(9B):1184-5

Paragonimus westermani: life cycle, intermediate hosts, transmission to man and geographical distribution in Korea. Kim DC. **Arzneimittelforsch** 1984;34(9B):1180-3

Paragonimus heterotremus and other Paragonimus spp. in Thailand: pathogenesis, clinic and treatment. Vanijanonta S, et al. **Arzneimittelforsch** 1984;34(9B):1186-8

[Etiological study on paragonimiasis at the northern foot of Qinling Mountain, Shaanxi] Zhang MR, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(1):38-41 (Eng. Abstr.) **(Chi)**

PATHOLOGY

Pathological and parasitological aspects of the first autochthonous case of human paragonimiasis in Venezuela. Alarcón de Noya B, et al. **Am J Trop Med Hyg** 1985 Jul; 34(4):761-5

RADIOGRAPHY

[An analysis of radiologic signs of typical pulmonary calcification in 8 cases of paragonimiasis] Chen SZ. **Chung Hua Fang She Hsueh Tsa Chih** 1984 May; 18(2):128-30 (Eng. Abstr.) **(Chi)**

SURGERY

[Surgical treatment of cerebral paragonimiasis miyazakii] Soutsu M, et al. **No Shinkei Geka** 1984 Jun;12(7):865-70 (Eng. Abstr.) **(Jpn)**

VETERINARY

Paragonimiasis in a dog: treatment with praziquantel. Kirkpatrick CE, et al. **J Am Vet Med Assoc** 1985 Jul 1; 187(1):75-6

Diagnostic exercise: pulmonary parasites in a dog. Shalev M, et al. **Lab Anim Sci** 1985 Apr;35(2):159-61

PARAGONIMUS

ANALYSIS

[Comparative disc electrophoretic study of Paragonimus skrjabini and Paragonimus westermani] Liu JB. **Chung Hua I Hsueh Tsa Chih** 1985 Jan;65(1):44-6 **(Chi)**

ANATOMY & HISTOLOGY

Description of redia and cercaria of Paragonimus peruvianus from experimentally infected Aroapyrgus colombiensis of Condebamba Valley, Peru. Malek EA, et al. **J Parasitol** 1985 Apr;71(2):253-6

ENZYMOLOGY

Mitochondrial cytochrome components of Paragonimus adult worms. Yamakami K, et al. **Int J Parasitol** 1984 Dec; 14(6):571-5

GENETICS

[Preliminary studies on the karyotype of Euparagonimus cenocopiosus Chen, 1962] Lei CQ, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(1):32-4 (Eng. Abstr.) **(Chi)**

GROWTH & DEVELOPMENT

Experimental infection of Oncomelania quadrasi with Paragonimus ohirai. Kawashima K, et al. **Southeast Asian J Trop Med Public Health** 1984 Jun; 15(2):148-54

IMMUNOLOGY

Application of different Paragonimus antigens to immunodiagnosis of human lung fluke infection. Knobloch J. **Arzneimittelforsch** 1984;34(9B):1208-10

Pre- and posttreatment serodiagnosis for paragonimiasis. Tsuji M. **Arzneimittelforsch** 1984;34(9B):1204-7

[Amino acid composition of antigens of Schistosoma japonicum eggs and the adult Schistosoma japonicum, Paragonimus westermani and Clonorchis sinensis] Lu ZL. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(3):199 **(Chi)**

[Preliminary report on the production of hybridoma cell lines secreting monoclonal antibodies against adult worm antigens of Paragonimus westermani] Huang SR. **Chung Hua I Hsueh Tsa Chih** 1985 Jan;65(1):41-3 **(Chi)**

ISOLATION & PURIFICATION

Observation of Paragonimus westermani eggs in sputum after digestion for mycobacteria culture. DiSalvo AF, et al. **Diagn Microbiol Infect Dis** 1984 Sep;2(4):339-41

PHYSIOLOGY

Notes on the molluscan intermediate hosts of Paragonimus spp. and their possible role in biological control. McCullough FS, et al. **Ann Trop Med Parasitol** 1984 Jun; 78(3):339-40

Paragonimus westermani: life cycle, intermediate hosts, transmission to man and geographical distribution in Korea. Kim DC. **Arzneimittelforsch** 1984;34(9B):1180-3

The macaque monkey as an experimental paratenic host for Paragonimus westermani (Kerbert, 1878) Braun, 1899. Sugiyama H, et al. **Nippon Juigaku Zasshi** 1984 Jun; 46(3):345-56

[Natural infection of Ptychophallus tristani (Crustacea: Decapoda) by metacercariae of Paragonimus mexicanus (Trematoda) in Tabarcia de Mora, Costa Rica] Monge E, et al. **Rev Inst Med Trop Sao Paulo** 1985 Jan-Feb;27(1):23-6 (Eng. Abstr.) **(Spa)**

PARAIMMUNOGLOBULINEMIAS see **PARAPROTEINEMIAS**

PARA-INFLUENZA

BLOOD

C-reactive protein in respiratory virus infections. Ruuskanen O, et al. **J Pediatr** 1985 Jul;107(1):97-100

COMPLICATIONS

Kawasaki disease associated with Klebsiella pneumoniae bacteremia and parainfluenza type 3 virus infection. Johnson D, et al. **Pediatr Infect Dis** 1985 Jan-Feb;4(1):100

Benign acute childhood myositis associated with parainfluenza type 2 infection. Zvolanek JR. **Pediatr Infect Dis** 1984 Nov-Dec;3(6):594-5

Defective regulation of immune responses in croup due to parainfluenza virus. Welliver RC, et al. **Pediatr Res** 1985 Jul;19(7):716-20

DIAGNOSIS

Surveillance of respiratory viral infections by rapid immunofluorescence diagnosis, with emphasis on the epidemiological development of respiratory syncytial virus infections. Anestad G. **J Hyg (Lond)** 1985 Jun;94(3):349-56

Serological diagnosis of parainfluenza virus infections by enzyme immunoassay with special emphasis on purity of viral antigens. Julkunen I. **J Med Virol** 1984;14(2):177-87

Diagnosis of parainfluenza virus infection in children and older patients by detection of specific IgM antibody. van der Logt JT, et al. **J Med Virol** 1985 Jun;16(2):191-9

ETIOLOGY

Experimental parainfluenza virus infection in mice: growth and spread of a highly pathogenic variant of parainfluenza 3 virus in the mouse brain. Shibuta H, et al. **Arch Virol** 1985;83(1-2):43-52

IMMUNOLOGY

Immunoglobulin G subclass antibody responses in influenza A and parainfluenza type 1 virus infections. Julkunen I, et al. **Clin Exp Immunol** 1985 Apr;60(1):130-8

MICROBIOLOGY

Protection of mice from wild-type Sendai virus infection by a trypsin-resistant mutant, TR-2. Tashiro M, et al. **J Virol** 1985 Jan;53(1):228-34

Restriction of cell surface expression of Sendai virus hemagglutinin-neuraminidase glycoprotein correlates with its higher instability in persistently and standard plus defective interfering virus infected BHK-21 cells. Roux L, et al. **Virology** 1984 Oct 15;138(1):118-28

OCCURRENCE

Parainfluenza virus type 3: seasonality and risk of infection and reinfection in young children. Glezen WP, et al. **J Infect Dis** 1984 Dec;150(6):851-7

VETERINARY

Role of canine parainfluenza virus and Bordetella bronchiseptica in kennel cough. Wagener JS, et al. **Am J Vet Res** 1984 Sep;45(9):1862-6

Protection from parainfluenza-3 virus and persistence of infectious bovine rhinotracheitis virus in sheep vaccinated with a modified live IBR-PI-3 vaccine. Lehmkuhl HD, et al. **Can J Comp Med** 1985 Jan;49(1):58-62

Predisposition to invasive pneumococcal illness following parainfluenza type 3 virus infection in chimpanzees. Jones EE, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1351-3

Alteration of viral respiratory infections of mice by prior infection with mouse hepatitis virus. Carrano VA, et al. **Lab Anim Sci** 1984 Dec;34(6):573-6

A serologic epidemiological study of parainfluenza 1, 2, and 3 viruses in beef cattle and calves in Illinois. Karim A, et al. **Res Commun Chem Pathol Pharmacol** 1985 Mar; 47(3):437-40

Serological studies of parainfluenza type 3 virus, bovine adenovirus type 3 and bovine respiratory syncytial virus infection in beef calves. Key DW, et al. **Vet Microbiol** 1984 Oct;9(6):587-92

Exacerbation of murine respiratory mycoplasmosis in gnotobiotic F344/N rats by Sendai virus infection. Schoeb TR, et al. **Vet Pathol** 1985 May;22(3):272-82

Avian paramyxovirus type 4 isolated from a ringed teal (Calonetta leucophrys). Gough RE, et al. **Vet Rec** 1984 Dec 22-29;115(25-26):653

[Susceptibility of mice to Sendai virus infection] Iwai H. **Jikken Dobutsu** 1984 Jul;33(3):275-82 (63 ref.) **(Jpn)**

PARA-INFLUENZA VIRUS TYPE 1

Sequential onset of permeability changes in mouse ascites cells induced by Sendai virus. Bashford CL, et al. **Biochim Biophys Acta** 1985 Apr 11;814(2):247-55

Cell fusion with HVJ. Kim J. **Cell Struct Funct** 1984 Jul;9 Suppl:s31-4

Efficient introduction of contents of liposomes into cells using HVJ (Sendai virus). Nakanishi M, et al. **Exp Cell Res** 1985 Aug;159(2):399-409

Interaction between glycophorin and ganglioside GM1 on liposomal membranes. Effect of the interaction on the susceptibility of membranes to HVJ. Umeda M, et al. **J Biochem (Tokyo)** 1984 Jul;96(1):229-35

Fusion between Sendai virus envelopes and biological membranes. The use of fluorescent probes for quantitative estimation of virus-membrane fusion. Chejanovsky N, et al. **J Biol Chem** 1985 Jul 5;260(13):7911-8

ANALYSIS

Isolation and studies of myxovirus glycoproteins. Berezin VA, et al. **Arch Virol** 1985;85(3-4):281-300

The activity of membranes reconstituted from HVJ envelope proteins and lipids to induce hemolysis and fusion between liposomes and erythrocytes. Inoue J, et al. **Biochim Biophys Acta** 1985 Jun 27;816(2):321-31

Detection of sendai virus protein by reversed-phase high-performance liquid chromatography combined with immuno-chromatography. van der Zee R, et al. **J Chromatogr** 1985 Jun 26;327:377-80

Combined size-exclusion and reversed-phase high-performance liquid chromatography of a detergent extract of Sendai virus. Welling GW, et al. **J Chromatogr** 1985 Jun 19;326:173-8

Isolation of detergent-extracted Sendai virus proteins by gel-filtration, ion-exchange and reversed-phase high-performance liquid chromatography and the effect on immunological activity. Welling GW, et al. **J Chromatogr** 1984 Aug 3;297:101-9

DRUG EFFECTS

Interaction of influenza and parainfluenza viruses with polycations, organic oligocations and chromosome preparations. Antohi S, et al. **Acta Virol (Praha)** 1984 Sep; 28(5):362-8

The effect of Ca2+ on virus-cell fusion and permeability changes. Micklem KJ, et al. **Cell Calcium** 1984 Dec; 5(6):537-50

[Action of an enzyme complex on the reproduction of para-influenza virus type 1] Uzunova A, et al. **Acta Microbiol Bulg** 1985;16:86-9 (Eng. Abstr.) **(Bul)**

NEWARK PUBLIC LIBRARY

GENETICS

Reversible resistance to the antiviral action of interferon observed in altered BHK cells resistant to HVJ (Sendai virus) infection. Brief report. Kimura Y, et al. **Arch Virol** 1984;82(3-4):241-6

Translational modulation in vitro of a eukaryotic viral mRNA encoding overlapping genes: ribosome scanning and potential roles of conformational changes in the P/C mRNA of Sendai virus. Gupta KC, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):91-7

Sequence determination of the Sendai virus HN gene and its comparison to the influenza virus glycoproteins. Blumberg B, et al. **Cell** 1985 May;41(1):269-78

Molecular cloning of a full-length cDNA encoding the hemagglutinin-neuraminidase glycoprotein of Sendai virus. Miura N, et al. **FEBS Lett** 1985 Aug 19;188(1):112-6

Sequence determination of the Sendai virus fusion protein gene. Blumberg BM, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):317-31

Cell division does not affect Sendai virus genome replication in persistently infected BHK cells. Roux L, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):2055-60

Analysis of the Sendai virus M gene and protein. Blumberg BM, et al. **J Virol** 1984 Nov;52(2):656-63

In vitro replication of Sendai virus wild-type and defective interfering particle genome RNAs. Carlsen SR, et al. **J Virol** 1985 May;54(2):493-500

Effect of poliovirus superinfection on Sendai virus protein synthesis. Giorgi C, et al. **J Virol** 1984 Oct;52(1):298-9

Nucleotide sequence of a Sendai virus genome region covering the entire M gene and the 3' proximal 1013 nucleotides of the F gene. Hidaka Y, et al. **Nucleic Acids Res** 1984 Nov 12;12(21):7965-73

Analysis of Sendai virus mRNAs with cDNA clones of viral genes and sequences of biologically important regions of the fusion protein. Hsu M, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7732-6

Expression of Epstein-Barr virus (EBV) DNA and cloned DNA fragments in human lymphocytes following Sendai virus envelope-mediated gene transfer. Volsky DJ, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):5926-30

Monoclonal antibodies to the P protein of Sendai virus define its structure and role in transcription. Deshpande KL, et al. **Virology** 1985 Jan 15;140(1):125-34

Polytranscripts of Sendai virus do not contain intervening polyadenylate sequences. Gupta KC, et al. **Virology** 1985 Feb;141(1):102-9

Expression of Sendai virus defective-interfering genomes with internal deletions. Hsu CH, et al. **Virology** 1985 Oct 15;146(1):38-49

Nucleotide sequences responsible for generation of internally deleted Sendai virus defective interfering genomes. Re GG, et al. **Virology** 1985 Oct 15;146(1):27-37

Restriction of cell surface expression of Sendai virus hemagglutinin-neuraminidase glycoprotein correlates with its higher instability in persistently and standard plus defective interfering virus infected BHK-21 cells. Roux L, et al. **Virology** 1984 Oct 15;138(1):118-28

[Structure of paramyxovirus genome] Shioda T, et al. **Uirusu** 1984 Dec;34(2):99-108 (66 ref.) **(Jpn)**

GROWTH & DEVELOPMENT

Protection of mice from wild-type Sendai virus infection by a trypsin-resistant mutant, TR-2. Tashiro M, et al. **J Virol** 1985 Jan;53(1):228-34

Virus - tumor cell relationships. In vivo cocultivation of para-influenza type 1 (Sendai) virus and of Rous sarcoma virus (Schmidt-Ruppin strain) in mouse Ehrlich ascites carcinoma. Nastac E, et al. **Virologie** 1985 Jan-Mar; 36(1):23-30

IMMUNOLOGY

The effects of monoclonal antibodies against the hemagglutinin-neuraminidase and fusion protein on the release of Sendai virus from infected cells. Orvell C, et al. **Arch Virol** 1985;86(1-2):1-15

Affinity targeting of Sendai virions to desialized human erythrocytes using hybrid antibody molecules. Chejanovsky N, et al. **Biochim Biophys Acta** 1985 Jan 25; 812(2):353-60

The acquisition of anti-influenza virus activity by macrophages. Mak NK, et al. **Immunobiology** 1984 May; 166(4-5):458-72

Cytotoxic T-lymphocyte reactivity with individual Sendai virus glycoproteins. Al-Ahdal MN, et al. **J Virol** 1985 Apr; 53(4):53-7

Conjugation of Sendai virus with pullulan and immunopotency of the conjugated virus. Yamaguchi R, et al. **Microbiol Immunol** 1985;29(2):163-8

A serologic epidemiological study of parainfluenza 1, 2, and 3 viruses in beef cattle and calves in Illinois. Karim A, et al. **Res Commun Chem Pathol Pharmacol** 1985 Mar; 47(3):437-40

Structural and functional analysis of Sendai virus nucleocapsid protein NP with monoclonal antibodies. Deshpande KL, et al. **Virology** 1984 Nov;139(1):32-42

Membrane-bound antiviral antibodies as receptors for Sendai virions in receptor-depleted erythrocytes. Nussbaum O, et al. **Virology** 1984 Oct 30;138(2):185-97

[Susceptibility of mice to Sendai virus infection] Iwai H. **Jikken Dobutsu** 1984 Jul;33(3):275-82 (63 ref.) **(Jpn)**

[Phenotypic mixing of the Rous sarcoma virus with the Sendai virus and the biological properties of the phenotypically mixed virions] Zaval'naia OB, et al. **Vopr Virusol** 1985 Mar-Apr;30(2):228-30 **(Rus)**

METABOLISM

Use of virus-attached antibodies or insulin molecules to mediate fusion between Sendai virus envelopes and neuraminidase-treated cells. Gitman AG, et al. **Biochemistry** 1985 May 21;24(11):2762-8

Effect of lipid composition upon fusion of liposomes with Sendai virus membranes. Haywood AM, et al. **Biochemistry** 1984 Aug 28;23(18):4161-6

Determination of the internal volume of reconstituted sendai virus envelopes by quenching of calcein fluorescence. Bartzatt RL, et al. **Biosci Rep** 1984 Jul;4(7):551-7

Reconstitution and fusogenic properties of Sendai virus envelopes. Harmsen MC, et al. **Eur J Biochem** 1985 Jun 18;149(3):591-9

Gangliosides as paramyxovirus receptor. Structural requirement of sialo-oligosaccharides in receptors for hemagglutinating virus of Japan (Sendai virus) and Newcastle disease virus. Suzuki Y, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1189-99

Three variations in the cell surface expression of the haemagglutinin-neuraminidase glycoprotein of Sendai virus. Roux L, et al. **J Gen Virol** 1985 May;66 (Pt 5):987-1000

PATHOGENICITY

Permeability changes elicited by influenza and Sendai viruses: separation of fusion and leakage by pH-jump experiments. Patel K, et al. **J Gen Virol** 1985 Apr;66 (Pt 4):767-75

PHYSIOLOGY

Chemiluminescence in neutrophils and Lettré cells induced by myxoviruses. Mehta S, et al. **Biochem J** 1985 Apr 1; 227(1):99-104

Common action of certain viruses, toxins, and activated complement: pore formation and its prevention by extracellular Ca2+. Bashford CL, et al. **Biosci Rep** 1984 Sep;4(9):797-805

HVJ-induced fusion of liposome to erythrocyte. Possible involvement of virus-induced activated state of erythrocyte membranes during fusion process. Inoue J, et al. **Exp Cell Res** 1985 May;158(1):29-40

Effect of lipid composition on HVJ-mediated fusion of glycophorin liposomes to erythrocytes. Umeda M, et al. **J Biochem (Tokyo)** 1985 May;97(5):1301-10

Biomechanics of virus-to-cell and cell-to-cell fusion. Akkaş N. **J Biomed Eng** 1984 Oct;6(4):257-64

Permeability changes resulting from virus-cell fusion: temperature-dependence of the contributing processes. Micklem KJ, et al. **Mol Cell Biochem** 1985 Mar; 66(2):163-73

An alternative route of infection for viruses: entry by means of the asialoglycoprotein receptor of a Sendai virus mutant lacking its attachment protein. Markwell MA, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):978-82

PARA-INFLUENZA VIRUS TYPE 2 see under **PARA-INFLUENZA VIRUSES**

PARA-INFLUENZA VIRUS TYPE 3 see under **PARA-INFLUENZA VIRUSES**

PARA-INFLUENZA VIRUSES

ANALYSIS

Proteins associated with human parainfluenza virus type 3. Jambou RC, et al. **J Virol** 1985 Oct;56(1):298-302

GENETICS

Properties of temperature-sensitive mutants of parainfluenza virus type 3 selected during the course of persistent infection. Asamura S, et al. **Arch Virol** 1985;84(3-4):291-6

Genome analysis of virulent and attenuated strains of canine parainfluenza virus. Yonezawa Y. **Br Vet J** 1985 Mar-Apr; 141(2):192-4

Fusion protein of the paramyxovirus simian virus 5: nucleotide sequence of mRNA predicts a highly hydrophobic glycoprotein. Paterson RG, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6706-10

GROWTH & DEVELOPMENT

Impaired function of bovine alveolar macrophages infected with parainfluenza-3 virus. Liggitt D, et al. **Am J Vet Res** 1985 Aug;46(8):1740-4

Hemadsorption focus assay for growth of influenza and parainfluenza viruses in human dermal fibroblasts. Bell DM, et al. **Proc Soc Exp Biol Med** 1985 Jul;179(3):377-81

IMMUNOLOGY

Protection from parainfluenza-3 virus and persistence of infectious bovine rhinotracheitis virus in sheep vaccinated with a modified live IBR-PI-3 vaccine. Lehmkuhl HD, et al. **Can J Comp Med** 1985 Jan;49(1):58-62

Contribution of monoclonal antibodies to the study of parainfluenza virus antigens. Beraud F, et al. **Dev Biol Stand** 1984;57:257-67

Transplacental antibodies. Part III: Maternal antibodies against polioviruses, M. parotitidis and M. parainfluenzae. Celko A, et al. **J Hyg Epidemiol Microbiol Immunol** 1985; 29(2):193-9

Serological diagnosis of parainfluenza virus infections by enzyme immunoassay with special emphasis on purity of viral antigens. Julkunen I. **J Med Virol** 1984;14(2):177-87

Diagnosis of parainfluenza virus infection in children and older patients by detection of specific IgM antibody. van der Logt JT, et al. **J Med Virol** 1985 Jun;16(2):191-9

Acquisition of serum antibodies to specific viral glycoproteins of parainfluenza virus 3 in children. Kasel JA, et al. **J Virol** 1984 Dec;52(3):828-32

A serologic epidemiological study of parainfluenza 1, 2, and 3 viruses in beef cattle and calves in Illinois. Karim A, et al. **Res Commun Chem Pathol Pharmacol** 1985 Mar; 47(3):437-40

ISOLATION & PURIFICATION

Avian paramyxovirus type 4 isolated from a ringed teal (Calonetta leucophrys). Gough RE, et al. **Vet Rec** 1984 Dec 22-29;115(25-26):653

METABOLISM

Intracellular synthesis of human parainfluenza type 3 virus-specified polypeptides. Wechsler SL, et al. **J Virol** 1985 Jun;54(3):661-4

PATHOGENICITY

Experimental parainfluenza virus infection in mice: growth and spread of a highly pathogenic variant of parainfluenza 3 virus in the mouse brain. Shibuta H, et al. **Arch Virol** 1985;83(1-2):43-52

ULTRASTRUCTURE

Structural characterization of virion proteins and genomic RNA of human parainfluenza virus 3. Storey DG, et al. **J Virol** 1984 Dec;52(3):761-6

PARAKEETS see under **PSITTACINES**

PARAKERATOSIS see under **KERATOSIS**

PARAKERATOSIS VARIEGATA see **PARAPSORIASIS**

PARALYSIS

Diabetic gastroparesis [letter] Thomas DJ. **Anaesthesia** 1984 Nov;39(11):1143

Five cranial nerve palsies in a diabetic man. Brett AS. **South Med J** 1985 Feb;78(2):212-3

CEREBROSPINAL FLUID

Cerebrospinal fluid levels of angiotensin-converting enzyme in Alzheimer's disease, Parkinson's disease and progressive supranuclear palsy. Zubenko GS, et al. **Brain Res** 1985 Mar 4;328(2):215-21

CHEMICALLY INDUCED

Neuromuscular paralysis caused by an overdose of emepronium bromide (Cetiprin). Ferguson A, et al. **Arch Emerg Med** 1985 Jun;2(2):79-80

Relation of spastic and flaccid paralysis to retrograde transport of 125I-tetanus toxin and its 125I-Ibc fragment. Modulating effect of F (ab) antibodies directed to specific areas on the toxin molecule. Fedinec AA, et al. **Boll Ist Sieroter Milan** 1985;64(1):35-41

Ocular side effects of disopyramide. Frucht J, et al. **Br J Ophthalmol** 1984 Dec;68(12):890-1

The use of antibody Fab fragments specifically directed to two different complementary parts of the tetanus toxin molecule for studying the mode of action of the toxin. Gawade S, et al. **Brain Res** 1985 May 13;334(1):139-46

Practical therapeutics: some investigations of the toxic effects of the alkaloids extracted from Strychnos henningsii (Gilg) 'muteta'. Ogeto JO, et al. **East Afr Med J** 1984 May; 61(5):427-32

Paralysis for ventilated patients? Yes or no? Willatts SM. **Intensive Care Med** 1985;11(1):2-4

Canine gastrocnemius disuse atrophy: resistance to paralysis by dimethyl tubocurarine. Gronert GA, et al. **J Appl Physiol** 1984 Nov;57(5):1502-6

Invitation for further observation [letter] Schmid E, et al. **J Autism Dev Disord** 1984 Dec;14(4):452-3

Prolonged parasympathetic paralysis and psychosis caused by atropine eye drops. Harel L, et al. **J Pediatr Ophthalmol Strabismus** 1985 Jan-Feb;22(1):38-9

Antinociception and paralysis induced by intrathecal dynorphin A. Herman BH, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):27-32

Ichthyotoxism by a paralytic toxin produced by marine dinoflagellates of the genus Ceratium: relationship to fraction beta isolated from the sponge Tedania ignis. Mijares AJ, et al. **Toxicon** 1985;23(2):221-33

Distribution of paralytic toxins in California shellfish. Whitefleet-Smith JL, et al. **Toxicon** 1985;23(2):346-9

[Transient paralysis of the upper limb following metrizamide myelography] Madsen NH. **Ugeskr Laeger** 1985 May 13; 147(20):1627-8 (Eng. Abstr.) **(Dan)**

CLASSIFICATION

Clinical aspects of muscle imbalance in the hand due to ulnar nerve lesions and a proposed thumb-index finger grip classification. de Abreu LB. **Anat Clin** 1984;6(3):177–82

COMPLICATIONS

Effect of nerve injury on fracture healing. Callus formation studied in the rat. Aro H. **Acta Orthop Scand** 1985 Jun; 56(3):233–7

Orbital blowout fracture with ipsilateral fourth nerve palsy. Ruttum MS, et al. **Am J Ophthalmol** 1985 Aug 15; 100(2):343–4

Neuropathological findings in a case of coexistent progressive supranuclear palsy and Alzheimer's disease. Milder DG, et al. **Clin Exp Neurol** 1984;20:181–7

Paralysis and unilateral arthritis: is the association established? Needs CJ, et al. **Clin Rheumatol** 1985 Jun; 4(2):176–80

Gastrointestinal hemorrhage in paralyzed and neurologically impaired patients: contribution of reflux esophageal disease. Smith HJ. **Gastrointest Radiol** 1985;10(1):7–10

Paralytic deformities of the lower limb. Sharrard WJ. **Int Orthop** 1984;8(2):147–54

An unusual association of dentato-rubral degeneration with spinal ataxia, ophthalmoplegia and multiple cranial nerve palsies. Janzer RC, et al. **J Neurol** 1985;231(6):319–23

Deep venous thrombosis and pulmonary embolism in patients with acute spinal cord injury: a comparison with nonparalyzed patients immobilized due to spinal fractures. Myllynen P, et al. **J Trauma** 1985 Jun;25(6):541–3

Thyrotoxicosis, myasthenia gravis and periodic paralysis in a Chinese man. Lee KO, et al. **Postgrad Med J** 1985 Jan; 61(711):49–50

[Severe polyneuropathy with paralysis of the lower extremities in temporal arteritis] Krogsgaard MR, et al. **Ugeskr Laeger** 1984 Aug 20;146(34):2558–60 (Eng. Abstr.) **(Dan)**

[Foix-Chavany-Marie syndrome. Case report] Colombo A, et al. **Riv Patol Nerv Ment** 1983 Jul–Aug;104(4):145–9 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Studies on hypokalemic flabbiness disease. Chen ZC, et al. **Acta Acad Med Wuhan** 1984;4(4):197–201

Clinical manifestations, diagnosis and treatment of hypokalemic flabbiness disease. Tong ET, et al. **Acta Acad Med Wuhan** 1984;4(4):202–5

The metacarpophalangeal stabilization test beevor or bouvier? Bourrel P. **Ann Chir Main** 1985;4(1):31–5 (Eng. Abstr.) **(Eng, Fre)**

Isolated, reversible, hypoglossal nerve palsy. Afifi AK, et al. **Arch Neurol** 1984 Nov;41(11):1218

Bilateral pontine gaze palsy. Nuclear magnetic resonance findings in presumed multiple sclerosis. Joseph R, et al. **Arch Neurol** 1985 Jan;42(1):93–4

Benign recurrent isolated VI nerve palsy of childhood. Sullivan SC. **Clin Pediatr (Phila)** 1985 Mar;24(3):160–1

Progressive supranuclear palsy. Clinical and pharmacologic update. Jankovic J. **Neurol Clin** 1984 Aug;2(3):473–86 (53 ref.)

[Insurance expert evaluation of patients with paralysis of the anterior serratus muscle] Stoutjesdijk HJ. **Ned Tijdschr Geneeskd** 1985 Mar 16;129(11):508–11 (Eng. Abstr.) **(Dut)**

[Clinical significance of bitemporal paralysis of the pupillary sphincters] Safran AB, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:407–9 **(Fre)**

[Volar flexion of the fingers. Its value in the diagnosis of paralysis of the intrinsic muscles of the fingers, in leprosy particularly, and the study of the results of palliative operations] Bourrel P. **Chirurgie** 1984;110(8–9):772–8 (Eng. Abstr.) **(Fre)**

[Prognosis of birth injury-induced paralysis of the brachial plexus] Hoffmann W, et al. **Padiatr Grenzgeb** 1985; 24(4):259–64 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Reversal of paralysis in nerve-muscle preparations isolated from animals with hereditary motor endplate disease. Harris JB, et al. **Br J Pharmacol** 1985 Jan;84(1):6–8

Carcinoma of the prostate: remission of paraparesis with inhibitors of bone resorption. Percival RC, et al. **Postgrad Med J** 1985 Jun;61(716):551–3

ENZYMOLOGY

Defects in citric acid cycle and the electron transport chain in progressive poliodystrophy. Gabreëls FJ, et al. **Acta Neurol Scand** 1984 Sep;70(3):145–54

ETIOLOGY

Persistent phrenic nerve paresis following interscalene brachial plexus block. Bashein G, et al. **Anesthesiology** 1985 Jul;63(1):102–4

Airway obstruction after bilateral carotid endarterectomy. Levelle JP, et al. **Anesthesiology** 1985 Aug;63(2):220–2

Brachial paresis complicating acute non-A, non-B hepatitis. Del Giudice G, et al. **Boll Ist Sieroter Milan** 1984; 63(6):499–504

Brachial plexus injuries. Wynn Parry CB. **Br J Hosp Med** 1984 Sep;32(3):130–2, 134–9

Is hypokalaemia the cause of paralysis in barium poisoning? Phelan DM, et al. **Br Med J [Clin Res]** 1984 Oct 6; 289(6449):882

Improved neurologic function following repair of type I aortic dissection with an intraluminal prosthesis. Heaton JP, et al. **Can J Surg** 1984 Nov;27(6):619–20

Paralysis in an immunocompromised adult following oral polio vaccination [letter] Mathias RG, et al. **Can Med Assoc J** 1985 Apr 1;132(7):738–9

Rapid development of obstructive sleep apnea following hemidiaphragmatic and unilateral vocal cord paralysis as a complication of mediastinal surgery. Hoffstein V, et al. **Chest** 1985 Jul;88(1):145–7

Segmental motor paralysis in herpes zoster. Rice JP. **Clin Exp Neurol** 1984;20:129–40

Multicentric sclerosing osteosarcoma--a rare cause of cranial nerve palsy. Lam KS, et al. **Clin Oncol** 1984 Sep; 10(3):281–7

Iliacus hematoma and subsequent femoral nerve palsy after penetration of the medical acetabular wall during total hip arthroplasty. Report of a case. Wooten SL, et al. **Clin Orthop** 1984 Dec;(191):221–3

Axisymmetric finite element analysis of tourniquet application on limb. Auerbach SM. **J Biomech** 1984; 17(11):861–6

The results of treatment of acute injuries of the upper thoracic spine with paralysis. Bohlman HH, et al. **J Bone Joint Surg [Am]** 1985 Mar;67(3):360–9

Hypoplasia of the trochlea of the humerus as a cause of ulnar-nerve palsy. Report of two cases. Tanabu S, et al. **J Bone Joint Surg [Am]** 1985 Jan;67(1):151–4

Paralytic rabies: some unusual clinical presentations. Phuapradit P, et al. **J Med Assoc Thai** 1985 Feb; 68(2):106–10

Differences in paralyzing ability and sites of attachment to cattle of Rocky Mountain wood ticks (Acari: Ixodidae) from three regions of western Canada. Wilkinson PR. **J Med Entomol** 1985 Jan 18;22(1):28–31

Hysterical paralysis following status epilepticus: case report and review of the concept. David AS, et al. **J Nerv Ment Dis** 1985 Jul;173(7):437–40

Brachial diplegia in central pontine myelinolysis. Alberca R, et al. **J Neurol** 1985;231(6):345–6

Hyperkalaemic paralysis following traumatic rupture of the urinary bladder. Shinotoh H, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):484–5

Accessory nerve palsy following carotid endarterectomy. Report of two cases. Swann KW, et al. **J Neurosurg** 1985 Oct;63(4):630–2

Pack palsy. Attard GJ. **J R Army Med Corps** 1985 Feb; 131(1):50–1

Bilateral brachial paralysis from watershed infarction after coronary artery bypass. A report of two cases and review of the predisposing anatomic and physiological mechanisms. Gravlee GP, et al. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 1):742–7

Phrenic nerve paresis associated with the use of iced slush and the cooling jacket for topical hypothermia. Rousou JA, et al. **J Thorac Cardiovasc Surg** 1985 Jun;89(6):921–5

ts1, a Paralytogenic mutant of Moloney murine leukemia virus TB, has an enhanced ability to replicate in the central nervous system and primary nerve cell culture. Wong PK, et al. **J Virol** 1985 Sep;55(3):760–7

A 1.6-kilobase-pair fragment in the genome of the ts1 mutant of Moloney murine leukemia virus TB that is associated with temperature sensitivity, nonprocessing of Pr80env, and paralytogenesis. Yuen PH, et al. **J Virol** 1985 May; 54(2):364–73

Primary defects of the hand with intrinsic paralysis. Brandsma JW, et al. **Lepr Rev** 1984 Dec;55(4):403–6

Arterial Brown-Séquard's syndrome after a penetrating injury of the spinal cord at the cervicomedullary junction. Grant JM, et al. **Med J Aust** 1985 Jul 22;143(2):84–5

Pricer palsy [letter] Wertsch JJ. N **Engl J Med** 1985 Jun 20;312(25):1645

Potentially fatal cardiac dysrhythmia and hyperkalemic periodic paralysis. Gould RJ, et al. **Neurology** 1985 Aug; 35(8):1208–12

Pseudobulbar palsy after posterior fossa operation in children. Wisoff JH, et al. **Neurosurgery** 1984 Nov;15(5):707–9

Neurologic deficit after external otitis. Kotzias SA, et al. **Otolaryngol Head Neck Surg** 1984 Oct;92(5):596–600

A balanced viewpoint in the early management of patients with spinal injuries who have neurological damage. Bedbrook GM. **Paraplegia** 1985 Feb;23(1):8–15

Bilateral peroneal nerve palsy secondary to posterior dislocation of the proximal tibiofibular joint in rheumatoid arthritis. Ishikawa H, et al. **Rheumatol Int** 1984;5(1):45–7

Thyrotoxic periodic paralysis: case discussion and review. Lerner E, et al. **RI Med J** 1985 May;68(5):219–22

Hypokalemic paralysis in Sjögren's syndrome secondary to renal tubular acidosis. Christensen KS. **Scand J Rheumatol** 1985;14(1):58–60

Hypokalemic periodic paralysis. Johnson V, et al. **South Med J** 1984 Sep;77(9):1207–9

[Enteroviral etiology of neuroinfectious diseases] Daneš L, et al. **Cas Lek Cesk** 1985 Feb 22;124(8):242–6 (Eng. Abstr.) **(Cze)**

[Scapula alata induced by karate] Bjerrum L. **Ugeskr Laeger** 1984 Jul 2;146(27):2022 (Eng. Abstr.) **(Dan)**

[Paralysis of the serratus anterior muscle] Vastamäki M. **Duodecim** 1985;101(10):969–76 (Eng. Abstr.) **(Fin)**

[Pseudoparalysis induced by cancer chemotherapy (cis-platinum)] Leclercq B, et al. **Cah Anesthesiol** 1985 Jan–Feb;33(1):23–4 **(Fre)**

[Postoperative paralysis of the leg] Borg G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(2):209–11 (Eng. Abstr.) **(Fre)**

[Trigeminal involvement and peripheral facial paralysis caused by Arnold-Chiari malformation with hydrocephalus] Uldry PA, et al. **Neurochirurgie** 1985; 31(1):73–5 (Eng. Abstr.) **(Fre)**

[Benign paralysis of the last 4 cranial nerves. Arguments in favor of an ischemic mechanism] Devoize JL, et al. **Presse Med** 1985 Jun 15;14(24):1328–30 (Eng. Abstr.) **(Fre)**

[Conference at the Salpêtrière. 7 March 1984. Paralysis of cranial nerves, paresthesia and motor disorders of the limbs developing by regressive outbreaks over 19 years] Bousser MG, et al. **Rev Neurol (Paris)** 1985;141(4):327–35 **(Fre)**

[Brown-Séquard syndrome caused by a spinal cord infarction] Decroix JP, et al. **Rev Neurol (Paris)** 1984; 140(10):585–6 (Eng. Abstr.) **(Fre)**

[Conference at the Salpêtrière. 6 July 1983. Progressive paralysis of the cranial nerves and cerebellar instability] Lechevalier B, et al. **Rev Neurol (Paris)** 1984; 140(8–9):523–9 (Eng. Abstr.) **(Fre)**

[Recurrent multiple paralysis of cranial nerves. Gougerot-Sjögren syndrome] Vincent D, et al. **Rev Neurol (Paris)** 1985;141(4):318–21 (Eng. Abstr.) **(Fre)**

[Ophthalmic zona and motor involvement] Lauvin R, et al. **Rev Otoneuroophtalmol** 1984 Jul–Dec;56(4–5):315–21 (Eng. Abstr.) **(Fre)**

[Femoral nerve paralysis after vaginal hysterectomy. Its causes and forensic significance] Jürgens R, et al. **Dtsch Med Wochenschr** 1984 Nov 30;109(48):1848–50 (Eng. Abstr.) **(Ger)**

[Sparing of the accessory nerve in radical neck dissection] Busch HP, et al. **Fortschr Kiefer Gesichtschir** 1985;30:65–7 **(Ger)**

[Operative interventions of the lateral area of the neck in relation to paralysis of the accessory nerve] Dieckmann J. **Fortschr Kiefer Gesichtschir** 1985;30:67–8 **(Ger)**

[The treatment of painful infraclavicular brachial plexus paralysis following axillary management and roentgen therapy] Uhlschmid G, et al. **Helv Chir Acta** 1985 Jan; 51(6):763–8 (Eng. Abstr.) **(Ger)**

[Incomplete paralysis of the striated musculature, respiratory paralysis and complete gastrointestinal atony in a youthful patient following a canned fish meal] Heck I, et al. **Internist (Berlin)** 1984 Aug;25(8):514–6 **(Ger)**

[Flaccid paralysis following oral poliomyelitis vaccination] Sigmund J, et al. **Padiatr Padol** 1985;20(1):77–82 (Eng. Abstr.) **(Ger)**

[Neurological presenting symptoms in sarcoidosis] Rubinstein I, et al. **Harefuah** 1983 Oct 16;105(8):210–1 (Eng. Abstr.) **(Heb)**

[Renal tubular acidosis associated with acute myeloid leukemia, diagnosed in a case of hypokalemic paralysis] Sonkodi S, et al. **Orv Hetil** 1985 Mar 3;126(9):531–3 (Eng. Abstr.) **(Hun)**

[Partial paralysis of the right lumbar plexus caused by a traumatic hematoma of the ileo-psoas muscle] Ginanneschi U, et al. **Chir Ital** 1985 Apr;37(2):165–73 (Eng. Abstr.) **(Ita)**

[Etiopathogenetic considerations in 2 cases of dysmetabolic hypokalemic paralysis with signs of increased neuromuscular excitability during potassium repletion] Caccia MR. **Riv Patol Nerv Ment** 1983 May–Jun; 104(3):97–104 (Eng. Abstr.) **(Ita)**

[Repeated transient paraparesis due to solitary spinal epidural arterio-venous malformation. A case report] Kubo Y, et al. **No Shinkei Geka** 1984 Jun;12(7):857–62 (Eng. Abstr.) **(Jpn)**

[A case of sciatic nerve palsy as a complication of gluteal artery embolization with ethanol] Uchiyama N, et al. **Rinsho Hoshasen** 1984 Sep;29(9):997–9 (Eng. Abstr.) **(Jpn)**

[A case of segmental zoster paresis] Honda H, et al. **Rinsho Shinkeigaku** 1984 Jun;24(6):581–5 (Eng. Abstr.) **(Jpn)**

[Disorders of motor functions after removal of parasagittal meningiomas] Gagibov GA, et al. **Zh Vopr Neirokhir** 1985 Mar–Apr;(2):24–30 (Eng. Abstr.) **(Rus)**

[Disorders of tongue innervation in microlaryngoscopy] Barta T. **Cesk Otolaryngol** 1984 Sep;33(5):296–8 **(Slo)**

[Femoral nerve paralysis after traumatic iliacus muscle rupture] Cedell CA, et al. **Lakartidningen** 1985 May 1; 82(18):1692 **(Swe)**

FAMILIAL & GENETIC

A genetic variant of Emery-Dreifuss disease. Muscular dystrophy with humeropelvic distribution, early joint contracture, and permanent atrial paralysis. Takamoto K, et al. **Arch Neurol** 1984 Dec;41(12):1292–3

Familial congenital fourth cranial nerve palsy. Astle WF, et al. **Arch Ophthalmol** 1985 Apr;103(4):532–5

Adrenomyeloneuropathy: report of a family and electron microscopical findings in peripheral nerve. Tanaka K, et al. **J Neurol** 1985;232(2):73–8

Familial spastic paraparesis: an adrenoleukodystrophy phenotype? O'Neill BP, et al. **Neurology** 1985 Aug;

35(8):1233-5

[Hereditary fragility of the peripheral nerves. Clinical and neurophysiologic study of 23 cases. Review of the literature] Roth G, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 135(2):243-64 (Eng. Abstr.) **(Fre)**

[Familial spinal spastic paralysis--case study of the evolution of the disease through 5 generations] Popov I, et al. **Med Pregl** 1983;36(11-12):515-7 (Eng. Abstr.) **(Scr)**

IMMUNOLOGY

Two defects in old New Zealand Black mice are involved in the loss of low-dose paralysis to type III pneumococcal polysaccharide. McCoy KL, et al. **J Immunol** 1985 Oct; 135(4):2438-42

HLA typing in hashitoxic periodic paralysis [letter] Leung AK. **West J Med** 1985 Aug;143(2):252

METABOLISM

Transient glucose intolerance during attacks of thyrotoxic periodic paralysis. Hamada N, et al. **Horm Metab Res** 1985 Jun;17(6):301-5

Gentamicin disposition kinetics in humans with spinal cord injury. Segal JL, et al. **Paraplegia** 1985 Feb;23(1):47-55

Neural cell adhesion molecule (N-CAM) accumulates in denervated and paralyzed skeletal muscles. Covault J, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4544-8

[Correlation between histological and biochemical findings in 6-aminonicotinamide-induced spinal paralysis of rats and effect of TRH treatment] Kihira T, et al. **Rinsho Shinkeigaku** 1984 Nov;24(11):1108-16 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Physical mapping of the paralysis-inducing determinant of a wild mouse ecotropic neurotropic retrovirus. DesGroseillers L, et al. **J Virol** 1984 Nov;52(2):356-63

Role of immunity in age-related resistance to paralysis after murine leukemia virus infection. Hoffman PM, et al. **J Virol** 1984 Dec;52(3):734-8

Molecular cloning of two paralytogenic, temperature-sensitive mutants, ts1 and ts7, and the parental wild-type Moloney murine leukemia virus. Yuen PH, et al. **J Virol** 1985 Apr;53(4):178-85

OCCURRENCE

Tropical spastic paraparesis: a neuroepidemiological study in Colombia. Román GC, et al. **Ann Neurol** 1985 Apr; 17(4):361-5

Brachial plexus birth palsy: a 10-year report on the incidence and prognosis. Greenwald AG, et al. **J Pediatr Orthop** 1984 Nov;4(6):689-92

Prevalence of residual paralysis from paralytic poliomyelitis in some urban and semi-rural areas of the Sudan, November 1982. Olive JM, et al. **J Trop Pediatr** 1984 Dec;30(6):329-33

PATHOLOGY

Neurologic manifestations of the organoid nevus syndrome. Clancy RR, et al. **Arch Neurol** 1985 Mar;42(3):236-40

Selective paralysis of downward gaze caused by bilateral lesions of the mesencephalic periaqueductal gray matter. Jacobs L, et al. **Neurology** 1985 Apr;35(4):516-21

PHYSIOPATHOLOGY

Brachial monoparesis following herpes zoster. Verma AK, et al. **Acta Neurol (Napoli)** 1985 Feb;7(1):32-4

Diabetic gastroparesis: an abnormality of gastric emptying of solids. Wright RA, et al. **Am J Med Sci** 1985 Jun; 289(6):240-2

Isolated proximal musculocutaneous nerve palsy: case report. Kim SM, et al. **Arch Phys Med Rehabil** 1984 Nov; 65(11):735-6

Ankle-foot orthoses: effect on gait abnormalities in tibial nerve paralysis. Lehmann JF, et al. **Arch Phys Med Rehabil** 1985 Apr;66(4):212-8

Gait abnormalities in tibial nerve paralysis: a biomechanical study. Lehmann JF, et al. **Arch Phys Med Rehabil** 1985 Feb;66(2):80-5

Recurrent neuralgic amyotrophy with vagus and phrenic nerve involvement. Dinsmore WW, et al. **Clin Neurol Neurosurg** 1985;87(1):39-40

Naloxone in progressive supranuclear palsy [letter] Sandyk R, et al. **Clin Neuropharmacol** 1985;8(2):198-9

Effect of metoclopramide on gastric liquid emptying in patients with diabetic gastroparesis. Schade RR, et al. **Dig Dis Sci** 1985 Jan;30(1):10-5

The electromyographic prognosis of traumatic paralysis of radial nerve. Study of its myelinic and axonal damage. Negrin P, et al. **Electromyogr Clin Neurophysiol** 1984 Aug-Sep;24(6):481-4

Axon growth in tendon organs of botulinum-paralyzed neonatal mouse muscles. Hopkins WG. **Exp Neurol** 1984 Nov;86(2):405-9

Some new aspects of the functional anatomy of the shoulder. Celli L, et al. **Ital J Orthop Traumatol** 1985 Mar;11(1):83-91

Pectoralis major transfer for paralysis of elbow flexion in children. Atkins RM, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):640-4

Distinguishing between extrinsic and intrinsic tongue muscle weakness in unilateral hypoglossal palsy. Riggs JE. **Neurology (NY)** 1984 Oct;34(10):1367-8

Isolated hypoglossal paralysis. Chamdawalla S, et al. **Padiatr Padol** 1985;20(2):201-4

A comparison of the gaits of paretic patients with the gaits of control subjects carrying a load. Eke-Okoro ST, et al. **Scand J Rehabil Med** 1984;16(4):151-8

[Parity of the cerebral hemispheres in the mechanism of recovery of disordered movements after unilateral damage to the motor zone in the cat] Dulinets VV, et al. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):581-2 **(Rus)**

RADIOGRAPHY

Unusual CT findings in progressive supranuclear palsy. Case report. Ambrosetto P, et al. **J Clin Neuro Ophthalmol** 1985 Mar;5(1):59-61

RADIONUCLIDE IMAGING

Progressive supranuclear palsy and In111-DTPA cisternography. Brusa A, et al. **J Neurol Neurosurg Psychiatry** 1984 Nov;47(11):1238-40

Disorders of gastric emptying and the application of radionuclide techniques. Horowitz M, et al. **Med J Aust** 1985 Jul 8;143(1):27-31 (63 ref.)

REHABILITATION

Functional strapping for incomplete Erb palsy: case report. Draznin E, et al. **Arch Phys Med Rehabil** 1984 Nov; 65(11):731-2

External control of the neuromuscular system. Solomonow M. **IEEE Trans Biomed Eng** 1984 Dec;31(12):752-63

A computer-controlled multichannel stimulation system for laboratory use in functional neuromuscular stimulation. Thrope GB, et al. **IEEE Trans Biomed Eng** 1985 Jun; 32(6):363-70

Rehabilitation of conversion paralysis. Withrington RH, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):635-7

Preventive measures in the tertiary care of spinal cord injured people. Bedbrook G, et al. **Paraplegia** 1985 Apr;23(2):69-77

[Exteroceptive facilitation technics in the rehabilitation of very weak paretic muscles] Gieseler VO, et al. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):77-82 (Eng. Abstr.) **(Dut)**

[Functional training of flaccid paralyzed muscles] Schubert W. **Biomed Tech (Berlin)** 1985 May;30(5):115-22 (Eng. Abstr.) **(Ger)**

[Types of orthopedic equipment and its utilization in patients with severe lesions of the musculoskeletal system] Sczygielska-Majewska M. **Pol Tyg Lek** 1984 Aug 6; 39(32):1067-70 (Eng. Abstr.) **(Pol)**

[Use of the method of electromyographic feedback with an assessment of the pull of an individual muscle in the early rehabilitation of patients with flaccid paralysis] Starobinets MKh, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun;(3):19-22 (Eng. Abstr.) **(Rus)**

SURGERY

The transfer of the abductor digiti quinti: palliative treatment for paralysis of the superficial thenar muscles. Iselin F, et al. **Ann Chir Main** 1984;3(3):207-14 **(Eng, Fre)**

Intrinsic paralysis of the hand. Riordan DC. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall;44(2):435-41

Dorsal myelotomy for relief of spasticity in spinal injury patients. Fogel JP, et al. **Clin Orthop** 1985 Jan-Feb; (192):137-41

Reconstruction of a balanced thumb through tendon transfers. Omer GE Jr. **Clin Orthop** 1985 May;(195):104-16

Shoulder arthrodesis for the treatment of brachial plexus palsy. Richards RR, et al. **Clin Orthop** 1985 Sep;(198):250-8

The treatment of brachial plexus injuries. Narakas AO. **Int Orthop** 1985;9(1):29-36

Median nerve function after tendon transfer for ulnar paralysis. Brandsma JW, et al. **J Hand Surg [Br]** 1985 Feb; 10(1):30-2

Surgical treatment of the non-functional spastic hand. Suso S, et al. **J Hand Surg [Br]** 1985 Feb;10(1):54-6

Latissimus dorsi transfer to restore elbow extension in obstetrical palsy. Jones BN, et al. **J Pediatr Orthop** 1985 May-Jun;5(3):287-9

[Modified Schwartmann-Crego operation for paralysed quadriceps femoris] Zhong SP. **Chung Hua Wai Ko Tsa Chih** 1984 Jul;22(7):432-3, 447 (Eng. Abstr.) **(Chi)**

[Technic and results of replacement operations for irreparable radial paralysis] Heisel J, et al. **Aktuel Traumatol** 1985 Jun; 15(3):127-34 (Eng. Abstr.) **(Ger)**

[Transplantation of the posterior tibial muscle in peripheral paralysis of the peroneal nerve] Mayer G, et al. **Beitr Orthop Traumatol** 1984 Aug;31(8):396-401 (Eng. Abstr.) **(Ger)**

[Steindler-plasty in paralysis of the elbow flexor muscles] Martini AK, et al. **Handchir Mikrochir Plast Chir** 1985 Jan;17(1):23-6 (Eng. Abstr.) **(Ger)**

[Operative treatment of cubital tunnel syndrome and late ulnar paralysis by simple decompression. Report on 108 cases] Assmus H. **Neurochirurgia (Stuttg)** 1984 Nov; 27(6):181-5 (Eng. Abstr.) **(Ger)**

[Merle d'Aubigné replacement-plasty in irreparable radial paralysis] Mayer G, et al. **Zentralbl Chir** 1985;110(4):239-44 **(Ger)**

[Restoration of the opposition of the thumb in paralysis of the median nerve] Soncini G, et al. **Acta Biomed Ateneo Parmense** 1984;55(3-4):189-96 (Eng. Abstr.) **(Ita)**

[Lesions of the hypoglossal nerve: diagnosis and therapy. Rehabilitation in a case of bilateral posttraumatic paralysis performed by a microsurgical technic] Ferrari Parabita G, et al. **Minerva Stomatol** 1985 Jan-Feb;34(1):147-54 (Eng. Abstr.) **(Ita)**

[Disorders of ulnar nerve function after injuries of the elbow joint area treated by anterior transposition of the nerve] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1984; 49(4):339-43 (Eng. Abstr.) **(Pol)**

[Derotation osteotomy of the humerus in the treatment of perinatal paralysis of the Duchenne-Erb type] Zwierzchowska D, et al. **Chir Narzadow Ruchu Ortop Pol** 1985;50(1):5-7 (Eng. Abstr.) **(Pol)**

[Surgical transposition of the ulnar nerve in progressive paralysis] Kasprzak H, et al. **Neurol Neurochir Pol** 1984 May-Jun;18(3):247-52 (Eng. Abstr.) **(Pol)**

THERAPY

Treatment of trapezius paralysis. Bigliani LU, et al. **J Bone Joint Surg [Am]** 1985 Jul;67(6):871-7

Observation on 52 cases of paralysis of common peroneal nerve treated by acupuncture and plum-blossom needling. Yao ZH, et al. **J Tradit Chin Med** 1984 Jun;4(2):97-100

Evaluation of different methods of bladder drainage used in the early care of spinal cord injury patients. Wyndaele JJ, et al. **Paraplegia** 1985 Feb;23(1):18-26

Physical therapy treatment of a patient with a conversion reaction. A case report. MacKinnon JL. **Phys Ther** 1984 Nov;64(11):1687-8

[Basic and clinical study on functional electrical stimulation (FES) for the paralyzed upper extremity] Yagi R. **Nippon Seikeigeka Gakkai Zasshi** 1985 Apr;59(4):383-95 (Eng. Abstr.) **(Jpn)**

[Effect of a constant electric field on flaccid paralysis of the lower limb after acute poliomyelitis] Cieszyński T, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(1):59-64 (Eng. Abstr.) **(Pol)**

[Principles of electric stimulation in flaccid paralysis] Kućma K. **Neurol Neurochir Pol** 1984 Jul-Aug;18(4):319-25 (Eng. Abstr.) **(Pol)**

[Comparative indices of proserine therapy in complex muscle relaxation in post-stroke motor disorders] Diordienko IA, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1312-3 (Eng. Abstr.) **(Rus)**

VETERINARY

Presumptive organophosphate-induced delayed neurotoxicity in a paralyzed bull. Perdrizet JA, et al. **Cornell Vet** 1985 Jul;75(3):401-10

Selenium toxicosis in swine. Casteel SW, et al. **J Am Vet Med Assoc** 1985 May 15;186(10):1084-5

Paralysis due to a glomangioma in a Macaca mulatta. Hubbard GB, et al. **Lab Anim Sci** 1984 Dec;34(6):614-5

Retroviral spongiform polioencephalomyelopathy. Gardner MB. **Rev Infect Dis** 1985 Jan-Feb;7(1):99-110 (71 ref.)

Spinal nematodosis in a donkey with posterior paresis. Vos JH, et al. **Vet Q** 1985 Apr;7(2):101-6

Ataxia/paresis syndrome of sheep in West Africa associated with bilateral multifocal cerebrospinal poliomalacia. Bonniwell MA, et al. **Vet Rec** 1985 Jan 26;116(4):94-7

Presumptive protozoan (sarcocystis) encephalomyelitis with paresis in lambs. Stubbings DP, et al. **Vet Rec** 1985 Apr 6;116(14):373-4

[Trombiculid mite--Neotrombicula autumnalis (Shaw 1790)--in veterinary medicine. Nervous systems in dogs following massive infestation] Prosl H, et al. **Tierarztl Prax** 1985;13(1):57-64 (Eng. Abstr.) **(Ger)**

PARALYSIS AGITANS see **PARKINSON DISEASE**

PARALYSIS, BULBAR

COMPLICATIONS

Progressive supranuclear palsy: paraneoplastic effect of bronchial carcinoma [letter] Jankovic J. **Neurology** 1985 Mar;35(3):446-7

DIAGNOSIS

Progressive supranuclear palsy--20 years later. Kristensen MO. **Acta Neurol Scand** 1985 Mar;71(3):177-89

Atypical presentation of progressive supranuclear palsy. Davis PH, et al. **Ann Neurol** 1985 Apr;17(4):337-43

Parkinson's disease and progressive supranuclear palsy [letter] Stein ZL. **Arch Intern Med** 1985 May;145(5):952

Progressive supranuclear palsy misdiagnosed as schizophrenia. Trzepacz PT, et al. **J Nerv Ment Dis** 1985 Jun;173(6):377-8

[Progressive supranuclear ophthalmoplegia (Steele-Richardson-Olszewski)] Akimov GA, et al. **Zh Nevropatol Psikhiatr** 1984;84(12):1784-9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Methysergide in progressive supranuclear palsy [letter] Duncombe AS, et al. **Neurology** 1985 Jun;35(6):936-7

Treatment of progressive supranuclear palsy with tricyclic

NEWARK PUBLIC LIBRARY

antidepressants. Newman GC. **Neurology** 1985 Aug; 35(8):1189-93

ETIOLOGY

Descending paralysis resulting from occult wound botulism. Rapoport S, et al. **Ann Neurol** 1984 Sep;16(3):359-61

IMMUNOLOGY

Monoclonal antibodies to Alzheimer neurofibrillary tangles. 2. Demonstration of a common antigenic determinant between ANT and neurofibrillary degeneration in progressive supranuclear palsy. Dickson DW, et al. **Am J Pathol** 1985 Aug;120(2):292-303

PATHOLOGY

Cerebello-brain stem orthochromatic leukodystrophy with floppiness and bulbar paralysis. Kaga M, et al. **Clin Neuropathol** 1984 Jul-Aug;3(4):178-84

New form of familial Parkinson-dementia syndrome and progressive supranuclear palsy [letter] Ambrosetto P, et al. **Neurology** 1984 Nov;34(11):1524-5

[A case of progressive supranuclear palsy with fibrillary gliosis of the mid-brain and pontine reticular formation] Ishino H, et al. **Rinsho Shinkeigaku** 1984 Aug;24(8):795-801 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Progressive supranuclear palsy: loss of striatal dopamine receptors demonstrated in vivo by positron tomography [letter] Baron JC, et al. **Lancet** 1985 May 18;1(8438):1163-4

SURGERY

[Thymectomy in myasthenia gravis pseudoparalytica] Wolff H. **Zentralbl Chir** 1984;109(21):1372-9 (Eng. Abstr.) **(Ger)**

THERAPY

Motor neurone disease: towards better care. Norris FH, et al. **Br Med J [Clin Res]** 1985 Jul 27;291(6490):259-62

PARALYSIS, FAMILIAL PERIODIC

BLOOD

[Familial hyperkalemic periodic paralysis] Sjølin SU, et al. **Ugeskr Laeger** 1984 Sep 3;146(36):2686-8 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Familial hyperkalemic periodic paralysis and bipolar disorder: a linkage and treatment study. Pope HG Jr, et al. **Biol Psychiatry** 1984 Oct;19(10):1449-59

DRUG THERAPY

beta-Adrenergic treatment of hyperkalemic periodic paralysis. Bendheim PE, et al. **Neurology** 1985 May; 35(5):746-9

[Terbutaline treatment of familial hyperkalemic periodic paralysis] Surrow J, et al. **Ugeskr Laeger** 1984 Sep 3; 146(36):2688-90 (Eng. Abstr.) **(Dan)**

ENZYMOLOGY

Myoglobin, creatine kinase and creatine kinase subunit-beta in serum from patients and relatives with hypokaliaemic familial periodic paralysis. Wiggers P, et al. **Acta Neurol Scand** 1985 Jan;71(1):69-72

ETIOLOGY

Thyrotoxic periodic paralysis in a black male. Kelly TM, et al. **J Endocrinol Invest** 1984 Oct;7(5):517-9

Familial 'hashitoxic' periodic paralysis. Leung AK. **J R Soc Med** 1985 Aug;78(8):638-40

FAMILIAL & GENETIC

Familial hypokalemic periodic paralysis. 50-year follow-up of a large family. Buruma OJ, et al. **Arch Neurol** 1985 Jan; 42(1):28-31

Thyrotoxic periodic paralysis in Navajos--HLA typing [letter] Williams R. **West J Med** 1985 Feb;142(2):260-1

PATHOLOGY

Familial periodic paralysis with hypokalaemia. Study of a muscle biopsy in the myopathic stage of the disorder. Martin JJ, et al. **Acta Neurol Belg** 1984 Nov-Dec; 84(5):233-42

[Initial findings on mitochondrial cytopathy in hypokalemic familial periodic paralysis. Ultrastructure study] Guarino M, et al. **Minerva Pediatr** 1984 Jul 31;36(13-14):673-9 (Eng. Abstr.) **(Ita)**

PARALYSIS, GENERAL see **PARESIS**

PARALYSIS, OBSTETRIC

COMPLICATIONS

The aetiological relationship between congenital torticollis and obstetrical paralysis. Suzuki S, et al. **Int Orthop** 1984; 8(3):175-81

DIAGNOSIS

[Kofferath's syndrome in a 4-week-old infant] Kopyść Z, et al. **Pediatr Pol** 1984 Jun;59(6):493-5 **(Pol)**

ETIOLOGY

Brachial plexus injuries in babies born in hospital: an appraisal of risk factors in a developing country. Soni AL, et al. **Ann Trop Paediatr** 1985 Jun;5(2):69-71

PHYSIOPATHOLOGY

F wave study in children with birth brachial plexus paralysis. Kwast O. **Electromyogr Clin Neurophysiol** 1984 Aug-Sep; 24(6):457-67

Birth palsy: natural recovery course and combined root avulsion [letter] Leffert RD. **J Pediatr Orthop** 1985 Jul-Aug;5(4):510

[Clinical study of cross-reinnervation in obstetrical paralysis] Yagi I. **Nippon Seikeigeka Gakkai Zasshi** 1984 Aug; 58(8):761-78 (Eng. Abstr.) **(Jpn)**

PARALYTIC ILEUS see under **INTESTINAL OBSTRUCTION**

PARAMAGNETIC RESONANCE see **ELECTRON SPIN RESONANCE**

PARAMECIUM

Physical characterization of PBCV virus by sedimentation field flow fractionation. Yonker CR, et al. **J Virol Methods** 1985 Jun;11(2):145-60

Microcomputerized measurement of the circadian locomotor rhythm in microorganisms. Tanakadate A, et al. **Physiol Behav** 1985 Feb;34(2):241-8

ANALYSIS

X-ray microanalysis in cryosections of natively frozen Paramecium caudatum with regard to ion distribution in ciliates. Schmitz M, et al. **Scan Electron Microsc** 1985;(Pt 1):433-45

CYTOLOGY

Isolation and characterization of macronuclei of Paramecium caudatum infected with the macronucleus-specific bacterium Holospora obtusa. Freiburg M. **J Cell Sci** 1985 Feb;73:389-98

DRUG EFFECTS

Trifluoperazine-induced changes in swimming behavior of paramecium: evidence for two sites of drug action. Otter T, et al. **Cell Motil** 1984;4(4):249-67

Evaluation of carbamate toxicity: acute toxicity in a culture of Paramecium multimicronucleatum upon exposure to aldicarb, carbaryl, and mexacarbate as measured by Warburg respirometry and acute plate assay. Edmiston CE Jr, et al. **Environ Res** 1985 Apr;36(2):338-50

Injected cyclic AMP increases ciliary beat frequency in conjunction with membrane hyperpolarization. Hennessey T, et al. **Eur J Cell Biol** 1985 Mar;36(2):153-6

Paramecium bioassay test in studies on the insecticide Kartox 50. Komala Z. **Folia Biol (Krakow)** 1984;32(4):281-93

ENZYMOLOGY

Divalent cation-dependent ATPase activities in ciliary membranes and other surface structures in Paramecium tetraurelia: comparative in vitro studies. Doughty MJ, et al. **Arch Biochem Biophys** 1985 Apr;238(1):118-28

Studies on catalase, glutathione peroxidase and superoxidismutase activities in aging cells of Paramecium tetraurelia. Croute F, et al. **Mech Ageing Dev** 1985 Jan; 29(1):53-62

GENETICS

Trichocyst phenotype transformation induced by macronuclear transplantation in Paramecium tetraurelia. Aufderheide KJ. **Exp Cell Res** 1985 Jan;156(1):282-6

Mutants with altered Ca2+-channel properties in Paramecium tetraurelia: isolation, characterization and genetic analysis. Hinrichsen RD, et al. **Genetics** 1984 Nov; 108(3):545-58

Destruction of immaturin activity in early mature mutants of Paramecium caudatum. Miwa I. **J Cell Sci** 1984 Dec; 72:111-20

Characterization of cytoplasmic factors which complement Ca2+ channel mutations in Paramecium tetraurelia. Haga N, et al. **J Neurogenet** 1984 Sep;1(3):259-74

Mendelian and non-mendelian mutations affecting surface antigen expression in Paramecium tetraurelia. Epstein LM, et al. **Mol Cell Biol** 1984 Aug;4(8):1583-90

Does Paramecium primaurelia use a different genetic code in its macronucleus? Caron F, et al. **Nature** 1985 Mar 14-20; 314(6007):185-8

Deviation from the universal code shown by the gene for surface protein 51A in Paramecium. Preer JR Jr, et al. **Nature** 1985 Mar 14-20;314(6007):188-90

METABOLISM

Internalization of cycloheptaamylose-dansyl chloride complex during labelling of surface membrane in living Paramecium aurelia cells. Giordano PA, et al. **Basic Appl Histochem** 1985;29(2):121-33

Characterization and purification of a soluble protein controlling Ca-channel activity in paramecium. Haga N, et al. **Cell** 1984 Nov;39(1):71-8

Proteolytic cleavage and maturation of the crystalline secretion products of Paramecium. Adoutte A, et al. **J Mol Biol** 1984 Dec 25;180(4):1065-81

[Biological effects of weightlessness at the cellular level. Comparative study of cultures of Paramecia aboard the orbital station Salyut-6 and a stratospheric balloon] Richoilley G, et al. **C R Acad Sci [III]** 1984;299(20):845-8 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Mutants in paramecium tetraurelia defective in their axonemal response to calcium. Hinrichsen RD, et al. **Cell Motil** 1984;4(4):283-95

Modulation of the digestive lysosomal system in Paramecium caudatum. III. Morphological effects of cytochalasin B. Allen RD, et al. **Eur J Cell Biol** 1985 May;37:35-43

Modulation of the digestive lysosomal system in Paramecium caudatum. II. Physiological effects of cytochalasin B, colchicine and trifluoperazine. Fok AK, et al. **Eur J Cell Biol** 1985 May;37:27-34

Modulation of the digestive-lysosomal system in Paramecium caudatum. I. Effects of temperature. Fok AK, et al. **Eur J Cell Biol** 1984 Jul;34(2):265-70

Synchronous exocytosis in Paramecium cells. V. Ultrastructural adaptation phenomena during re-insertion of secretory organelles. Pape R, et al. **Eur J Cell Biol** 1985 Jan;36(1):38-47

Synchronous exocytosis in Paramecium cells. IV. Polyamino compounds as potent trigger agents for repeatable trigger-redocking cycles. Plattner H, et al. **Eur J Cell Biol** 1985 Jan;36(1):32-7

A gene function required for cell cycle progression during the G1 portion of the cell cycle and for maintenance of macronuclear DNA synthesis in Paramecium tetraurelia. Rasmussen CD, et al. **Exp Cell Res** 1984 Dec;155(2):593-7

Slow inactivation of the calcium current of Paramecium is dependent on voltage and not internal calcium. Hennessey TM, et al. **J Physiol (Lond)** 1985 Aug;365:165-79

Clonal aging in Paramecium tetraurelia. Absence of evidence for a cytoplasmic factor. Aufderheide KJ. **Mech Ageing Dev** 1984 Nov;28(1):57-66

Novobiocin inhibition of dark repair and longevity in Paramecium. Smith-Sonneborn J, et al. **Nucleic Acids Symp Ser** 1984;(13):309-18

ULTRASTRUCTURE

Actin microfilaments in paramecium: localization and role in intracellular movements. Cohen J, et al. **Cell Motil** 1984; 4(6):443-68

Retrieval of lysosomal membrane and acid phosphatase from phagolysosomes of Paramecium caudatum. Allen RD, et al. **J Cell Biol** 1984 Dec;99(6):1955-9

Paramecium secretory granule content: quantitative studies on in vitro expansion and its regulation by calcium and pH. Garofalo RS, et al. **J Cell Biol** 1984 Dec;99(6):2193-9

Comparative freeze-fracture study of perialgal and digestive vacuoles in Paramecium bursaria. Meier R, et al. **J Cell Sci** 1984 Oct;71:121-40

PARAMEDICAL PERSONNEL see **ALLIED HEALTH PERSONNEL**

PARAMEDICS see **ALLIED HEALTH PERSONNEL**

PARAMETRITIS

DIAGNOSIS

Ultrasonic demonstration of a phlegmon following cesarean section. Lavery JP, et al. **JCU** 1985 Feb;13(2):134-6

PREVENTION & CONTROL

Comparative efficacy of four different methods for preventing pelvic cellulitis in abdominal hysterectomy. Shaw CT, et al. **J Am Osteopath Assoc** 1985 Jan;85(1):51-4

PARAMPHISTOMATA see **PARAMPHISTOMATIDAE**

PARAMPHISTOMATIDAE

GROWTH & DEVELOPMENT

The effects of environmental factors on the development, behaviour and survival of Paramphistomum microbothrium miracidia. Fagbemi BO. **Vet Parasitol** 1984 Oct; 16(1-2):71-81

METABOLISM

Fermentation and the properties of some enzymes of carbohydrate metabolism in the trematode Calicophoron ijimai. Vykhrestyuk NP, et al. **Mol Biochem Parasitol** 1984 Sep;13(1):29-38

PHYSIOLOGY

Maturation of Paramphistomum cervi in sheep in India. Gupta BC, et al. **Vet Parasitol** 1984 Sep;15(3-4):239-45

PARAMPHISTOMUM see PARAMPHISTOMATIDAE

PARAMYOCLONUS MULTIPLEX

DIAGNOSIS

[Case of 'Friedreich's paramyoclonus multiplex'. Clinical and neurophysiologic study] Rossi L. **Riv Neurol** 1984 Sep-Oct; 54(5):358-65 (Eng. Abstr.) **(Ita)**

PARAMYOSIN see TROPOMYOSIN

PARAMYXOVIRIDAE

GENETICS

Identification and predicted sequence of a previously unrecognized small hydrophobic protein, SH, of the paramyxovirus simian virus 5. Hiebert SW, et al. **J Virol** 1985 Sep;55(3):744-51

Hemagglutinin-neuraminidase protein of the paramyxovirus simian virus 5: nucleotide sequence of the mRNA predicts an N-terminal membrane anchor. Hiebert SW, et al. **J Virol** 1985 Apr;53(4):1-6

Analysis and gene assignment of mRNAs of a paramyxovirus, simian virus 5. Paterson RG, et al. **Virology** 1984 Oct 30; 138(2):310-23

IMMUNOLOGY

Antigenic characterization of hemagglutinin-neuraminidase (HN) protein of avian paramyxoviruses by specific antisera to isolated HN subunits. Ishida M, et al. **Arch Virol** 1985; 83(3-4):229-39

Paramyxovirus type 3 (PMV-3) in California turkeys: serologic study of PMV-3 antibody with an enzyme-linked immunosorbent assay. Ianconescu M, et al. **Avian Dis** 1985 Apr-Jun;29(2):364-72

Thrombocytopenia associated with vaccination of a dog with a modified-live paramyxovirus vaccine. McAnulty JF, et al. **J Am Vet Med Assoc** 1985 Jun 1;186(11):1217-9

[Serological studies of pigeon sera for antibodies against a paramyxovirus isolate and Newcastle disease virus following recovery from paramyxovirus infection and after vaccination with a live and dead vaccine] Baumbach B, et al. **DTW** 1985 Mar 8;92(3):90-2 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

The isolation of influenza A viruses and paramyxoviruses from feral ducks in New Zealand. Austin FJ, et al. **Aust J Exp Biol Med Sci** 1984 Jun;62 (Pt 3):355-60

Respiratory disease (rhinotracheitis) of turkeys in Brittany, France. III. Interaction of multiple infecting agents. Andral B, et al. **Avian Dis** 1985 Jan-Mar;29(1):233-43

Isolation of avian paramyxoviruses from sentinel ducks and turkeys in Minnesota. Kelleher CJ, et al. **Avian Dis** 1985 Apr-Jun;29(2):400-7

Evidence for the persistence of paramyxoviruses in human bone marrows. Goswami KK, et al. **J Gen Virol** 1984 Nov; 65 (Pt 11):1881-8

Isolation of avian paramyxoviruses (Yucaipa-like) from wild birds in Kenya, 1980-1982. Mbugua HC, et al. **J Wildl Dis** 1985 Jan;21(1):52-4

Isolation of paramyxoviruses from pigeons in Israel [letter] Weisman Y, et al. **Vet Rec** 1984 Dec 8;115(23):605

[Characteristics of paramyxoviruses isolated from pigeons in Czechoslovakia] Cernik K, et al. **Vet Med (Praha)** 1985 Feb;30(2):103-17 (Eng. Abstr.) **(Cze)**

PHYSIOLOGY

Myxovirus replication in chicken embryos can be suppressed by aprotinin due to the blockage of viral glycoprotein cleavage. Zhirnov OP, et al. **J Gen Virol** 1985 Jul;66 (Pt 7):1633-8

PARAMYXOVIRUS INFECTIONS

Giant cell pneumonia due to respiratory syncytial virus [letter] Hemming VG, et al. **Arch Pathol Lab Med** 1985 Mar;109(3):213

Lobar collapse with respiratory syncytial virus pneumonitis. Quinn SF, et al. **Pediatr Radiol** 1985;15(4):229-30

COMPLICATIONS

Respiratory syncytial virus and heart block--cause and effect? Menahem S, et al. **Aust NZ J Med** 1985 Feb; 15(1):55-7

[Case of Chlamydia trachomatis pneumonia associated with respiratory syncytial (RS) virus bronchiolitis] Numazaki K, et al. **Kansenshogaku Zasshi** 1984 Jan;58(1):60-5 (Eng. Abstr.) **(Jpn)**

[Causes of recurrence of bronchial obstruction syndrome in children with acute respiratory viral infections] Tatochenko VK, et al. **Pediatriia** 1984 Sep;(9):21-3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Immune adherence hemagglutination test for detection of antibody to respiratory syncytial virus. Brief report. Kobayashi N, et al. **Arch Virol** 1984;82(1-2):95-100

Practical recommendations for the detection of pediatric respiratory syncytial virus infections. Treuhaft MW, et al. **J Clin Microbiol** 1985 Aug;22(2):270-3

Surveillance of respiratory viral infections by rapid immunofluorescence diagnosis, with emphasis on the epidemiological development of respiratory syncytial virus infections. Anestad G. **J Hyg (Lond)** 1985 Jun;94(3):349-56

The development of monoclonal antibodies to respiratory syncytial virus and their use in diagnosis by indirect immunofluorescence. Routledge EG, et al. **J Med Virol** 1985 Mar;15(3):305-20

[Clinical aspects of acute and chronic respiratory syncytial virus infection in adult polyclinic patients] Mikhalchenkova NN, et al. **Ter Arkh** 1985;57(1):101-3 (Eng. Abstr.) **(Rus)**

[Increased sensitivity of the passive hemagglutination reaction by using erythrocyte diagnostic agents for the respiratory syncytial] Trofimova MG, et al. **Vopr Virusol** 1985 Mar-Apr;30(2):236-9 **(Rus)**

DRUG THERAPY

[Rationale for the use of proteolysis inhibitors as etiopathogenetic agents in respiratory viral infections in children] Buĭko VP, et al. **Pediatriia** 1984 Sep;(9):23-6 (Eng. Abstr.) **(Rus)**

[Expediency of antibacterial therapy of uncomplicated forms of acute respiratory viral infections in children] Nazarova FI, et al. **Pediatriia** 1984 Dec;(12):37-9 **(Rus)**

ETIOLOGY

Serological and virological investigations of young children with acute respiratory syndrome associated with respiratory syncytial virus. Tarro G, et al. **Diagn Microbiol Infect Dis** 1985 Jan;3(1):81-5

IMMUNOLOGY

Respiratory syncytial virus. Brief review. Stott EJ, et al. **Arch Virol** 1985;84(1-2):1-52 (301 ref.)

The development of respiratory syncytial virus-specific immune complexes in nasopharyngeal secretions following natural infection. Kaul TN, et al. **J Clin Lab Immunol** 1984 Dec;15(4):187-90

Detection of RS-virus IgG-subclass-specific antibodies: variation according to age in infants and small children and diagnostic value in RS-virus-infected small infants. Hornsleth A, et al. **J Med Virol** 1985 Aug;16(4):329-35

Detection by ELISA of IgG-subclass-specific antibodies in primary respiratory syncytial (RS) virus infections. Hornsleth A, et al. **J Med Virol** 1985 Aug;16(4):321-8

Cellular immune response to infection with respiratory syncytial virus and influence of breast-feeding on the response. Mito K, et al. **J Med Virol** 1984;14(4):323-32

Antibody response to respiratory syncytial virus structural proteins in children with acute respiratory syncytial virus infection. Vainionpää R, et al. **J Virol** 1985 Mar;53(3):976-9

Immune response to respiratory syncytial virus: prevention of syncytia formation by human serum during in vitro infection. Faden H, et al. **Pediatr Res** 1984 Oct; 18(10):987-91

Respiratory syncytial virus-specific IgE responses following infection: evidence for a predominantly mucosal response. Welliver RC, et al. **Pediatr Res** 1985 May;19(5):420-4

[Molecular biology of paramyxoviruses and its significance for the development of vaccines] Scheid A. **Internist (Berlin)** 1985 Feb;26(2):98-102 **(Ger)**

MICROBIOLOGY

Respiratory viruses and Mycoplasma pneumoniae infections at the time of the acute exacerbation of chronic otitis media. Sugiyama M, et al. **Auris Nasus Larynx** 1984;11(3):139-47

Outbreak of respiratory syncytial virus infection in a neonatal intensive care unit. Amir J, et al. **Isr J Med Sci** 1984 Dec; 20(12):1199-201

Identification of respiratory virus antigens in middle ear fluids of children with acute otitis media. Sarkkinen H, et al. **J Infect Dis** 1985 Mar;151(3):444-8

OCCURRENCE

An outbreak of respiratory syncytial virus infection in a continuing-care geriatric ward. Mandal SK, et al. **Age Ageing** 1985 May;14(3):184-6

Reactive airway disorders in children. Role of respiratory virus infections. Glezen WP. **Clin Chest Med** 1984 Dec; 5(4):635-43 (87 ref.)

An outbreak of respiratory syncytial virus pneumonia in a nursing home for the elderly. Sorvillo FJ, et al. **J Infect** 1984 Nov;9(3):252-6

[Incidence of respiratory syncytial virus infection in case records of a pediatric general medicine department] Zappulla F, et al. **Minerva Pediatr** 1985 Feb 15;37(3):103-7 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Effect of Ca2 + -antagonists on virally-induced cell-permeability changes. Micklem KJ, et al. **Cell Biochem Funct** 1984 Oct;2(4):249-53

Normal pulmonary function measurements and airway reactivity in childhood after mild bronchiolitis. McConnochie KM, et al. **J Pediatr** 1985 Jul;107(1):54-8

PREVENTION & CONTROL

Suppression of respiratory syncytial virus infection in cotton rats by bis(5-amidino-2-benzimidazolyl)methane. Tidwell RR, et al. **Antimicrob Agents Chemother** 1984 Oct; 26(4):591-3

Quantitative aspects of passive immunity to respiratory syncytial virus infection in infant cotton rats. Prince GA, et al. **J Virol** 1985 Sep;55(3):517-20

THERAPY

Management of respiratory failure in infants with acute viral bronchiolitis. Outwater KM, et al. **Am J Dis Child** 1984 Nov;138(11):1071-5

Field trials of a bovine respiratory syncytial virus vaccine. Bohlender RE. **Mod Vet Pract** 1984 Aug;65(8):606-9

TRANSMISSION

Severe respiratory syncytial virus infection: clinical features, nosocomial acquisition and outcome. Krasinski K. **Pediatr Infect Dis** 1985 May-Jun;4(3):250-7

[Method of spread of respiratory syncytial virus infection in a neonatology unit (letter)] Gouyon JB, et al. **Presse Med** 1985 Feb 9;14(5):283 **(Fre)**

VETERINARY

Experimental bovine respiratory syncytial virus infection in conventional calves: ultrastructural respiratory lesions. Castleman WL, et al. **Am J Vet Res** 1985 Mar;46(3):554-60

Experimental bovine respiratory syncytial virus infection in conventional calves: light microscopic lesions, microbiology, and studies on lavaged lung cells. Castleman WL, et al. **Am J Vet Res** 1985 Mar;46(3):547-53

Isolation of avian paramyxoviruses from sentinel ducks and turkeys in Minnesota. Kelleher CJ, et al. **Avian Dis** 1985 Apr-Jun;29(2):400-7

A comparison of three vaccines against respiratory syncytial virus in calves. Stott EJ, et al. **J Hyg (Lond)** 1984 Oct; 93(2):251-61

Viral infections of little blue penguins (Eudyptula minor) along the southern coast of Australia. Morgan IR, et al. **J Wildl Dis** 1985 Jul;21(3):193-8

Alteration of viral respiratory infections of mice by prior infection with mouse hepatitis virus. Carrano VA, et al. **Lab Anim Sci** 1984 Dec;34(6):573-6

Field trials of a bovine respiratory syncytial virus vaccine. Bohlender RE. **Mod Vet Pract** 1984 Aug;65(8):606-9

Comparison of a newly developed enzyme-linked immunosorbent assay with complement fixation and neutralisation tests for serology of bovine respiratory syncytial virus infections. Westenbrink F, et al. **Res Vet Sci** 1985 May;38(3):334-40

Serological studies of parainfluenza type 3 virus, bovine adenovirus type 3 and bovine respiratory syncytial virus infection in beef calves. Key DW, et al. **Vet Microbiol** 1984 Oct;9(6):587-92

Paramyxovirus disease in racing pigeons. Clinical aspects and immunization. A report from the Netherlands. Lumeij JT, et al. **Vet Q** 1985 Jan;7(1):60-5

Correlation of a disease scoring system with arterial PO2 values in respiratory syncytial virus infection in calves. Verhoeff J, et al. **Vet Q** 1985 Apr;7(2):106-11

Avian paramyxovirus type 1 infection of racing pigeons: 3 epizootiological considerations. Alexander DJ, et al. **Vet Rec** 1984 Sep 1;115(9):213-6

Outbreak of the pigeon paramyxovirus serotype 1 in the Sudan. Ballouh A, et al. **Vet Rec** 1985 Apr 6;116(14):375

Paramyxovirus infection in pigeons [letter] Hutchison DC. **Vet Rec** 1984 Sep 29;115(13):335

Prevention of bovine respiratory syncytial virus infection and clinical disease by vaccination. Verhoeff J, et al. **Vet Rec** 1984 Nov 10;115(19):488-92

[Demonstration of respiratory syncytial virus infection in calves by the complement fixation reaction] Bostandzhieva R, et al. **Vet Med Nauki** 1984;21(9):45-51 (Eng. Abstr.) **(Bul)**

[Experimental infection of lambs with strains of the bovine respiratory syncytial virus] Khristozova S, et al. **Vet Med Nauki** 1985;22(1):31-5 (Eng. Abstr.) **(Bul)**

[Paramyxovirus in racing pigeons] Lumeij JT, et al. **Tijdschr Diergeneeskd** 1984 Oct 1;109(19):762-3 **(Dut)**

[Declaration of vaccination in connection with paramyxovirus vaccination of racing pigeons] Wichers OR, et al. **Tijdschr Diergeneeskd** 1984 Oct 1;109(19):784-5 **(Dut)**

[Serological studies of pigeon sera for antibodies against a paramyxovirus isolate and Newcastle disease virus following recovery from paramyxovirus infection and after vaccination with a live and dead vaccine] Baumbach B, et al. **DTW** 1985 Mar 8;92(3):90-2 (Eng. Abstr.) **(Ger)**

[Is Chlamydia psittaci a complicating factor in paramyxovirus 1 infection in pigeons?] Schmeer N, et al. **DTW** 1984 Nov 22;91(11-12):398-9 (Eng. Abstr.) **(Ger)**

PARANASAL SINUS DISEASES

[Mycoses of the paranasal sinuses] Otčenášek M, et al.

Cesk Otolaryngol 1984 Nov;33(6):343-9 (Eng. Abstr.) **(Cze)**

[Mucoceles in the paranasal sinuses] Kristensen S, et al. **Ugeskr Laeger** 1984 Oct 15;146(42):3183-5 (25 ref.) (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Co-existing tuberculosis and malignancy in the maxillary sinus. Vrat V, et al. **J Laryngol Otol** 1985 Apr;99(4):397-8

Rhinocerebral mucormycosis in a diabetic ketoacidotic patient. Reich H, et al. **J Neurol** 1985;232(2):115-7

[Rhinogenic neuropathia of the optic nerve due to muco- and pyoceles of the sphenoid sinus and posterior ethmoid cells] Fujitani T, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Jul;63(7):361-3 (Eng. Abstr.) **(Ger)**

[Rare case of a combination of mucoid cyst of the sella turcica, sphenoid sinus and posterior ethmoid cells and aneurysm of the supraclinoid portion of the internal carotid artery] Fedorov SN, et al. **Zh Vopr Neirokhir** 1985 Jan-Feb;(1):55-8 **(Rus)**

DIAGNOSIS

Usefulness and limitations of sinus echography in the child. Trigaux JP, et al. **Acta Otorhinolaryngol Belg** 1984; 38(3):321-30

Mucoceles of the paranasal sinuses. De Wilde R, et al. **Acta Stomatol Belg** 1984 Sep;81(2):91-106

Diagnostic ultrasonography in maxillary sinus disease. Fouad H, et al. **J Laryngol Otol** 1984 Sep;98(9):887-94

Ultrasound investigation of the sinuses: a real advance in diagnosis? [editorial] Pfleiderer AG. **J R Soc Med** 1985 Apr;78(4):277-8

Sinus ultrasound scanning. Mabry RL. **Otolaryngol Head Neck Surg** 1985 Feb;93(1):136-7

[Sinoscopy in the diagnosis and treatment of diseases of the paranasal sinuses] Břeh J, et al. **Cesk Otolaryngol** 1985 Mar; 34(2):76-8 (Eng. Abstr.) **(Cze)**

[Personal experience with ultrasonic examination of paranasal sinuses of children with adenoidal vegetations] Záhořová L, et al. **Sb Lek** 1984 Sep;86(8-9):282-7 (Eng. Abstr.) **(Cze)**

[Echography as a method for examining the maxillary sinus] Otten FW, et al. **Ned Tijdschr Geneeskd** 1984 Oct 13; 128(41):1941-4 (Eng. Abstr.) **(Dut)**

[Naso-sinus involvement of occupational origin] Rebattu JP, et al. **J Fr Otorhinolaryngol** 1984 Sep;33(7):357-62 **(Fre)**

[Paranasal sinuses] **Arch Otorhinolaryngol [Suppl]** 1984; 2:138-45 **(Ger)**

[Evaluation of sonography in diseases of the paranasal sinuses] Matschke RG. **HNO** 1984 Dec;32(12):502-6 (Eng. Abstr.) **(Ger)**

[Echographic diagnosis of the ethmoid sinus. II: Clinical findings] Geyer G, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Dec;63(12):609-14 (Eng. Abstr.) **(Ger)**

[Ultrasound diagnosis of the paranasal sinuses: progress in ENT practice?] Mang WL, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Dec;63(12):601-3 (Eng. Abstr.) **(Ger)**

[Echographic diagnosis of the ethmoid sinus. I: General principles, experimental studies, study technic and normal findings] Rochels R, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Dec;63(12):604-8 (Eng. Abstr.) **(Ger)**

[Aspergillosis of the maxillary sinus] Ferrari Parabita G, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):233-40 (Eng. Abstr.) **(Ita)**

[Limited forms of Wegener's disease. Review of the concept and differential diagnosis. Apropos of a case] Ojeda Pérez E, et al. **Rev Clin Esp** 1985 Mar;176(4):194-8 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Aspergillosis of the paranasal sinuses. Raju GC, et al. **Trop Geogr Med** 1985 Mar;37(1):88-9

[Pathogenesis of pneumosinus maxillaris dilatans] Wolfensberger M. **HNO** 1984 Dec;32(12):518-20 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Aspergillosis of the maxillary sinus] Kristensen S. **Ugeskr Laeger** 1984 Nov 12;146(46):3547-8 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 26-1985. A 43-year-old woman with a progressive saddle-nose deformity. **N Engl J Med** 1985 Jun 27;312(26):1695-703

Maxillary sinus mucocele. Report of an unusual case. Barsley RE, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct; 58(4):499-505

[Nasal and sinusal caseous processes (cholesteatomatosis)] Stefaniu A, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep; 29(3):215-20 (Eng. Abstr.) **(Rum)**

RADIOGRAPHY

Coexistence of a nasal mucoepidermoid carcinoma and sphenoid mucoceles: CT diagnosis and treatment implications. Schaeffer BT, et al. **J Comput Assist Tomogr** 1985 Jul-Aug;9(4):803-5

Mucocoeles of the maxillary antrum. Description, case reports and review of the literature. East D. **J Laryngol Otol** 1985 Jan;99(1):49-56

Computed tomography in nasal and paranasal sinus disease. Unger JM, et al. **Laryngoscope** 1984 Oct;94(10):1319-24

CT of the paranasal sinuses. Som PM. **Neuroradiology** 1985; 27(3):189-201

Computed tomography of the ethmoid sinuses. Chakeres DW. **Otolaryngol Clin North Am** 1985 Feb;18(1):29-42 (14 ref.)

Neuroradiology of the skull base. Seeger JF. **Otolaryngol Clin North Am** 1984 Aug;17(3):459-82

Aspergillosis of the paranasal sinuses. Kopp W, et al. **Radiology** 1985 Sep;156(3):715-6

Fungal infection of the maxillary sinus. Kristensen S. **Rhinology** 1984 Dec;22(4):281-4

[Metal-dense structures in the paranasal sinuses--a reliable indication of aspergillosis?] Kopp W, et al. **ROFO** 1985 Mar;142(3):288-90 (Eng. Abstr.) **(Ger)**

[Fungal infection of nasal and paranasal cavity] Suenaga T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Sep; 87(9):1082-8 (Eng. Abstr.) **(Jpn)**

[Computed tomography of post-operative maxillary cyst] Kimoto T, et al. **Rinsho Hoshasen** 1984 Jul;29(7):753-6 (Eng. Abstr.) **(Jpn)**

[Roentgenologic symptomatology of mucoceles of the frontal sinus and ethmoidal labyrinth] Golovach GG, et al. **Vestn Rentgenol Radiol** 1984 Nov-Dec;(6):30-5 (Eng. Abstr.) **(Rus)**

SURGERY

Frontoethmoid mucocele with CSF leak [letter] Pizzo LJ, et al. **Ear Nose Throat J** 1984 Nov;63(11):571-3

Intranasal sphenoethmoidectomy and antrotomy. Morgenstein KM. **Otolaryngol Clin North Am** 1985 Feb; 18(1):69-74

[Purulent meningitis after minor nasosinus surgery. Apropos of 10 cases] Véber F, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(3):163-7 (Eng. Abstr.) **(Fre)**

[Operative tasks with regard to the cranial base in otorhinolaryngology. III] Wullstein HL. **HNO** 1984 Oct; 32(10):401-12 (Eng. Abstr.) **(Ger)**

[Inferior meatotomy in diseases of the maxillary sinuses] Ivanović A, et al. **Med Pregl** 1984;37(11-12):515-6 (Eng. Abstr.) **(Scr)**

PARANASAL SINUS NEOPLASMS

Neurilemmoma of ethmoidal sinuses: a case report. Cutchavaree A, et al. **J Med Assoc Thai** 1984 Oct; 67(10):565-9

Maxillary sinus cancer: a study of 33 cases. Mundy EA, et al. **J Oral Pathol** 1985 Jan;14(1):27-36

Benign and malignant tumors of the ethmoid sinus. Rice DH. **Otolaryngol Clin North Am** 1985 Feb;18(1):113-24 (58 ref.)

Recurrent oncocytoma of the ethmoid sinus with orbital invasion. Chui RT, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):267-70

Leiomyosarcoma of the nose and paranasal sinuses. Josephson RL, et al. **Otolaryngol Head Neck Surg** 1985 Apr; 93(2):270-4

[Osteomas of the paranasal sinuses] Udovički J, et al. **Med Pregl** 1983;36(11-12):507-9 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Coexistence of aspergillosis and squamous-cell carcinoma in the maxillary sinus proven by preoperative cytology. Tanaka T, et al. **Acta Cytol (Baltimore)** 1985 Jan-Feb; 29(1):73-8

Neuro-ophthalmology of sphenoid sinus carcinoma. Harbison JW, et al. **Brain** 1984 Sep;107 (Pt 3):855-70

Neoplastic pathology of oncogenic osteomalacia/rickets. Weidner N, et al. **Cancer** 1985 Apr 15;55(8):1691-705

A small osteoma of the frontal sinus causing headaches. Leiberman A, et al. **J Laryngol Otol** 1984 Nov; 98(11):1147-9

Co-existing tuberculosis and malignancy in the maxillary sinus. Vrat V, et al. **J Laryngol Otol** 1985 Apr;99(4):397-8

Cushing's disease caused by an ectopic pituitary adenoma within the sphenoid sinus [letter] Burch WM, et al. **N Engl J Med** 1985 Feb 28;312(9):587-8

Oncogenic osteomalacia: strange tumours in strange places. Weiss D, et al. **Postgrad Med J** 1985 Apr;61(714):349-55

Intracranial aeroceles as a complication of frontal sinus osteoma. Hardwidge C, et al. **Surg Neurol** 1985 Oct; 24(4):401-4

[Squamous cell carcinoma of the frontal sinus caused osteomyelitis of the frontal bone] Yura S, et al. **No Shinkei Geka** 1985 May;13(5):531-6 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Inverted sinonasal papillomas. Bosley CE, et al. **Ear Nose Throat J** 1984 Oct;63(10):509-13

Malignant melanoma of the nasal cavity and maxillary sinus. Clark JL, et al. **Ear Nose Throat J** 1984 Oct;63(10):505-8

[Personal experience with ultrasonic examination of paranasal sinuses of children with adenoidal vegetations] Záhořová L, et al. **Sb Lek** 1984 Sep;86(8-9):282-7 (Eng. Abstr.) **(Cze)**

[Endoscopic examination of the maxillary sinus] Simon BG, et al. **Fogorv Sz** 1984 Dec;77(12):363-8 (Eng. Abstr.) **(Hun)**

[Rapidly growing osteoma of the frontal sinus in a 16-year-old boy] Szczerba W, et al. **Otolaryngol Pol** 1984; 38(4):333-6 (Eng. Abstr.) **(Pol)**

[Cavernous hemangioma of the maxillary sinus] Velikson GM, et al. **Vestn Otorinolaringol** 1985 Mar-Apr;(2):66 **(Rus)**

DRUG THERAPY

Microcapsule chemoembolization for head and neck cancer. Okamoto Y, et al. **Arch Otorhinolaryngol** 1985; 242(1):105-11

Intraarterial infusion of 4'-O-tetrahydropyranyl-adriamycin for head and neck tumors. Honda T, et al. **Jpn J Antibiot** 1984 Jun;37(6):959-65

ENZYMOLOGY

Lactate dehydrogenase in human maxillary adenocarcinoma and in experimental adenocarcinoma in mice. Gołąbek W, et al. **J Laryngol Otol** 1985 Feb;99(2):171-5

[beta-Glucuronidase in human maxillary sinus and lung cancers: elevation of activity level and appearance of phosphorylated variant forms] Fujita M. **Hokkaido Igaku Zasshi** 1984 Sep;59(5):622-38 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Sinonasal cancer and exposure to softwood. Voss R, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):172-8

A subject for inquest--two cases of woodworkers' adenocarcinoma. Sarvesvaran R, et al. **Med Sci Law** 1985 Jan;25(1):63-6

[The problem of occupational cancer in cancer of the nose and the nasal sinuses in patients exposed to sawdust] Gibel W, et al. **Arch Geschwulstforsch** 1985;55(4):279-84 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Non-Hodgkin's lymphoma of Waldeyer's ring and nasal cavity. Clinical and immunologic aspects. Yamanaka N, et al. **Cancer** 1985 Aug 15;56(4):768-76

MORTALITY

Prognostic factors influencing relapse of squamous cell carcinoma of the maxillary sinus. Kondo M, et al. **Cancer** 1985 Jan 1;55(1):190-6

OCCURRENCE

Nasal cancer in the textile and clothing industries. Brinton LA, et al. **Br J Ind Med** 1985 Jul;42(7):469-74

PATHOLOGY

Nonchromaffin paraganglioma in the nose and paranasal sinuses. Ueda N, et al. **Acta Pathol Jpn** 1985 Mar; 35(2):489-95

Adenoid cystic carcinoma: an unusual neurosurgical entity. Dolan EJ, et al. **Can J Neurol Sci** 1985 Feb;12(1):65-8

Inverted papillomas of the nose and the paranasal sinuses. Abildgaard-Jensen J, et al. **Clin Otolaryngol** 1985 Jun; 10(3):135-43

Neuroendocrine tumors of the nose and upper airway. Contrucci RB, et al. **Ear Nose Throat J** 1985 May; 64(5):235-8

Squamous cell carcinoma with sarcoma-like stroma of the nose and paranasal sinuses: report of two cases. Piscioli F, et al. **Histopathology** 1984 Jul;8(4):633-9

Computerized staging of cancer of the maxillary sinus. Morton RP, et al. **Int J Biomed Comput** 1985 May; 16(3-4):191-9

Inverted papilloma of the nose and paranasal sinuses in childhood and adolescence. Eavey RD. **Laryngoscope** 1985 Jan;95(1):17-23

Non-secreting extramedullary plasmacytoma with late involvement of the pancreas causing obstructive jaundice. Speelberg B, et al. **Neth J Med** 1985;28(7):291-94

Desmoid tumor in the maxillary sinus: a case report. Hasegawa M, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(1):1-4

Reflections on the management of adenoid cystic carcinoma of the nasal cavity and paranasal sinuses. Howard DJ, et al. **Otolaryngol Head Neck Surg** 1985 Jun;93(3):338-41

[Papilloma inversum of the nose and paranasal sinuses. Clinical aspects and histology of 22 personal cases] Beck A, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Jul;63(7):347-52 (Eng. Abstr.) **(Ger)**

[A case of adenoid cystic carcinoma in the paranasal sinuses with 8-year survival after pulmonary metastasis--clinicopathological reference to 6 non-squamous cell carcinoma cases in the paranasal sinuses] Koike S, et al. **Gan No Rinsho** 1985 May;31(5):552-8 (Eng. Abstr.) **(Jpn)**

[Structural study of nasal polyps] Sasaki Y. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Aug;87(8):1054-7 **(Jpn)**

[Papillomas of the nasal cavity and paranasal sinuses. A clinicopathological study of 19 cases] Usui Y. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Jun;87(6):665-73

(Eng. Abstr.) **(Jpn)**

[Rhinosinusal papilloma] Costinescu N, et al. **Rev Chir [Otorinolaringol]** 1984 Jul-Sep;29(3):211-4 (Eng. Abstr.) **(Rum)**

[Giant osteoma of the frontal sinuses and ethmoidal labyrinth penetrating the cranial cavity] Ponomarev LE, et al. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):87-8 **(Rus)**

[Cementoma of the frontal sinus] Rylkin AI, et al. **Vestn Otorinolaringol** 1984 Sep-Oct;(5):67 **(Rus)**

[2 cases of papilloma of the nose and paranasal sinuses] Udovički J, et al. **Med Pregl** 1984;37(3-4):145-8 (Eng. Abstr.) **(Scr)**

[Olfactory neuroblastoma. Apropos of 2 cases] Dalmau Galofré J, et al. **An Otorrinolaringol Ibero Am** 1985; 12(4):315-26 (Eng. Abstr.) **(Spa)**

[Solitary plasmacytoma] Gilsanz G, et al. **Sangre (Barc)** 1984; 29(5):951-6 **(Spa)**

PHYSIOPATHOLOGY

Nonepithelial tumors of the nasal cavity, paranasal sinuses, and nasopharynx. A clinicopathologic study. XIII: Meningiomas. Perzin KH, et al. **Cancer** 1984 Nov 1; 54(9):1860-9

RADIOGRAPHY

Unilateral demonstration of the atlas in ipsilateral maxillary alveolar bone destruction. Kolbenstvedt A, et al. **Acta Radiol [Diagn] (Stockh)** 1985 Mar-Apr;26(2):173-6

Massive juvenile ossifying fibroma of maxillary sinus with orbital involvement. Shields JA, et al. **Br J Ophthalmol** 1985 May;69(5):392-5

Neurilemmoma of the frontal-ethmoid sinus simulating a mucocele. A case report. Christenbury JD, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):259-63

Contribution of computerized tomography to the study of spheno-orbital dysplasia in neurofibromatosis. Grenier N, et al. **J Neuroradiol** 1984;11(3):201-11 **(Eng, Fre)**

Computerized tomography of combined carcinomas arising in pleomorphic adenoma. Farman AG, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):96-101

Benign osteoblastoma of the maxillary sinus. Tom LW, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug; 88(4):397-402

[Frontal osteoma with orbital extension. Apropos of a case] Constans JP, et al. **J Fr Ophtalmol** 1984;7(5):381-4 (Eng. Abstr.) **(Fre)**

[Pedicled osteoma of the maxillary sinus. A rare radiological finding?] Salvolini U, et al. **J Radiol** 1984 Jun-Jul; 65(6-7):455-61 (Eng. Abstr.) **(Fre)**

[Differentiation of osteolytic processes of the facial skull using polycyclic tomography] Assmann H, et al. **Radiol Diagn (Berl)** 1984;25(3):275-82 (Eng. Abstr.) **(Ger)**

[Results of tomography with polycyclic blur in tumors of the nasal cavity and paranasal sinuses] Müller E, et al. **Z Arztl Fortbild (Jena)** 1984;78(22):959-61 **(Ger)**

[Digital subtraction angiography of the maxillary artery through the infusion tube] Sasai K, et al. **Rinsho Hoshasen** 1984 Dec;29(13):1473-8 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Fast neutron treatment as an alternative to radical surgery for malignant tumours of the facial area. Catterall M, et al. **Br Med J [Clin Res]** 1984 Dec 15;289(6459):1653-5

Primary lymphomas of the nasal cavity and paranasal sinuses. Robbins KT, et al. **Cancer** 1985 Aug 15;56(4):814-9

Eye sparing in high energy X ray beams. Galbraith DM, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):591-5

The evaluation of radiotherapy after incomplete surgery in patients with carcinoma of the maxillary sinus. Korzeniowski S, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):505-9

Clinicopathological study of maxillary sinus carcinoma. Shibuya H, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep; 11(9):1709-12

Reassessment of technical and biological factors in paranasal sinus carcinoma. Hintz BL, et al. **J Surg Oncol** 1984 Sep; 27(1):59-66

[Radiotherapy in trimodal combination therapy of maxillary sinus squamous cell carcinoma] Maehara Y, et al. **Gan No Rinsho** 1985 Jul;31(8):901-7 (Eng. Abstr.) **(Jpn)**

SECONDARY

Metastatic carcinoma to the sphenoid sinus. Case report and review of the literature. McClatchey KD, et al. **Arch Otorhinolaryngol** 1985;241(3):219-24

Metastatic tumours in the maxillary sinus. A report of two cases and a review of the literature. Kent SE, et al. **J Laryngol Otol** 1985 May;99(5):459-62

Hepatocellular carcinoma presenting as sphenoid sinus metastasis. Waxman JS, et al. **Mt Sinai J Med (NY)** 1985 Mar;52(3):221-4

[Ossifying fibroma of the ethmoid labyrinth and nasal cavity] Jordan J, et al. **Otolaryngol Pol** 1985;39(1):65-9 (Eng. Abstr.) **(Pol)**

SURGERY

Use of a malar bone graft to augment skull-base access. Mann WJ, et al. **Arch Otolaryngol** 1985 Jan;111(1):30-3

[Transfrontal approach for the removal of orbital, orbitocerebral and orbitosinusal tumors--report of 100 cases] Pang RQ. **Chung Hua Yen Ko Tsa Chih** 1984 Jul; 20(4):209-10 **(Chi)**

[Personal experience in the treatment of malignant tumors of the nose and paranasal sinuses] Cerný E, et al. **Cesk Otolaryngol** 1984 Sep;33(5):281-7 (Eng. Abstr.) **(Cze)**

[Personal experience with medial maxillectomy by Session's technic] Navrátil J, et al. **Cesk Otolaryngol** 1984 Nov; 33(6):330-2 (Eng. Abstr.) **(Cze)**

THERAPY

Carcinoma of the paranasal sinuses. Results of a prospective pilot study. Knegt PP, et al. **Cancer** 1985 Jul 1;56(1):57-62

[Tumors of the nose, nasopharynx and paranasal sinuses in children] Vyhnánková L, et al. **Cesk Otolaryngol** 1984 Sep; 33(5):288-93 (Eng. Abstr.) **(Cze)**

[Radiochemotherapy of head and neck cancers: dose reduction through the combination of cisplatin, bleomycin and tegafur] Mishina H, et al. **Gan To Kagaku Ryoho** 1985 Apr;12(4):947-50 (Eng. Abstr.) **(Jpn)**

VETERINARY

Lymphosarcoma within the nasal cavities of an 18-month-old filly. Meschter CL, et al. **Equine Vet J** 1984 Sep;16(5):475-6

Response of the lymph node to tumour antigen and Bacillus Calmette-Guerin in cattle bearing tumours of the ethmoturbinate region. Vikram Reddi M, et al. **Vet Immunol Immunopathol** 1985 Feb;8(3):273-87

Canine sinonasal skeletal neoplasms: chondrosarcomas and osteosarcomas. Patnaik AK, et al. **Vet Pathol** 1984 Sep; 21(5):475-82

PARANASAL SINUSES

Relief of sinus pain by vibratory stimulation. Lundeberg T, et al. **Ear Nose Throat J** 1985 Apr;64(4):163-7

Giant mucocele of paranasal sinuses. Hashim AS, et al. **Surg Neurol** 1985 Jan;23(1):69-74

[Sinusocopy in children and adolescents] Břeh J, et al. **Cesk Otolaryngol** 1985 Jun;34(3):188-91 (Eng. Abstr.) **(Cze)**

ANATOMY & HISTOLOGY

The formation of the human paranasal sinuses. Takahashi R. **Acta Otolaryngol [Suppl] (Stockh)** 1984;408:1-28

Paranasal sinus anatomy and pathophysiology. Rohr AS, et al. **Clin Rev Allergy** 1984 Nov;2(4):387-95 (29 ref.)

INJURIES

[Sinoscopy in injuries of the paranasal sinuses] Pihrt J. **Cesk Otolaryngol** 1984 Jul;33(4):232-4 (Eng. Abstr.) **(Cze)**

[Statistical notes on sinusal fractures of the face] Bellavoir A, et al. **Rev Stomatol Chir Maxillofac** 1984;85(5):414-5 (Eng. Abstr.) **(Fre)**

[Osteosynthesis treatment of periorbital fractures with the mandibular mesh system] Kurzeja A. **Aktuel Traumatol** 1984 Oct;14(5):195-9 (Eng. Abstr.) **(Ger)**

METABOLISM

[Partitioning and concentration of egg lysozyme between the serum and paranasal tissue after administration of egg lysozyme] Ishida M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Dec;87(12):1678-83 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Computed tomography of the face and paranasal sinuses: Part I. Normal anatomy. Sataloff RT, et al. **Head Neck Surg** 1984 Dec;7(2):110-22

Measurement of paranasal sinus ventilation by xenon-enhanced dynamic computed tomography. Kalender WA, et al. **J Comput Assist Tomogr** 1985 May-Jun;9(3):524-9

The value of X-ray examination of the paranasal sinuses after epistaxis. Vimpel T, et al. **J Laryngol Otol** 1985 Mar; 99(3):253-7

SURGERY

Functional endoscopic sinus surgery. Theory and diagnostic evaluation. Kennedy DW, et al. **Arch Otolaryngol** 1985 Sep; 111(9):576-82

Intranasal sphenoethmoidectomy and antrotomy. Morgenstein KM. **Otolaryngol Clin North Am** 1985 Feb; 18(1):69-74

[Paranasal sinus reconstruction with bioactive bone cement--a 5-year animal experiment study] Reck R, et al. **HNO** 1984 Oct;32(10):413-6 (Eng. Abstr.) **(Ger)**

PARANEOPLASTIC SYNDROMES

Acute febrile neutrophilic dermatosis and abnormal bone marrow chromosomes as a marker for preleukemia. Tikjøb G, et al. **Acta Derm Venereol (Stockh)** 1985;65(2):177-9

Carcinoid tumor, atrophic gastritis, and iron deficiency anemia [letter] Biosca M, et al. **Ann Intern Med** 1985 Mar; 102(3):416-7

Reflex sympathetic dystrophy as a probable paraneoplastic syndrome: case report and literature review. Michaels RM, et al. **Arthritis Rheum** 1984 Oct;27(10):1183-5

A multi-systemic disease (lupus-like) preceding bronchiolcalveolar carcinoma. Kraus A, et al. **Clin Rheumatol** 1985 Jun;4(2):192-5

Acquired hypertrichosis lanuginosa: a case report. Delfino M, et al. **Dermatologica** 1985;170(4):207-9

Glucagonoma syndrome: case report and literature review. Parker CM, et al. **J Dermatol Surg Oncol** 1984 Nov; 10(11):884-9

[Paraneoplastic erythroderma: apropos of a case] Faure M, et al. **Dermatologica** 1985;170(3):147-51 (Eng. Abstr.) **(Fre)**

[Multiple thromboembolic complications in pancreatic cancer] Protsenko NV, et al. **Vopr Onkol** 1984;30(11):89-91 **(Rus)**

BLOOD

Acquired dysfibrinogenemia. Paraneoplastic syndrome in renal cell carcinoma. Dawson NA, et al. **Am J Med** 1985 Apr;78(4):682-6

Hypercalcemia in pheochromocytoma. Evidence for a novel mechanism. Stewart AF, et al. **Ann Intern Med** 1985 Jun; 102(6):776-9

Elevations in circulating 1,25-dihydroxyvitamin D in three patients with lymphoma-associated hypercalcemia. Rosenthal N, et al. **J Clin Endocrinol Metab** 1985 Jan; 60(1):29-33

[Pseudoleukemic hyperleukocytosis disclosing hepatocellular carcinoma (letter)] Sylvain C, et al. **Gastroenterol Clin Biol** 1985 Apr;9(4):368-9 **(Fre)**

CHEMICALLY INDUCED

[Paraneoplastic multicentric reticulohistiocytosis: induced and inductable by iodine containing x-ray contrast media] Bork K, et al. **Z Hautkr** 1985 May 1;60(9):729-36 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Classification and pathogenesis of cutaneous paraneoplastic syndromes] Achten G, et al. **Ann Med Interne (Paris)** 1984; 135(8):646-53 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Asbestosis, the nervous system and cancer. Juntunen J, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):353-60

Paraneoplastic retinopathy. Klingele TG, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):239-45

Paraneoplastic syndromes of the nervous system. Palma G. **West J Med** 1985 Jun;142(6):787-96 (108 ref.)

Neurological paraneoplastic syndromes [editorial] Schneck SA. **West J Med** 1985 Jun;142(6):826-8

[Ectopic HCG production in a patient with metastatic bladder carcinoma] Vlasveld LT, et al. **Ned Tijdschr Geneeskd** 1984 Nov 3;128(44):2092-5 (Eng. Abstr.) **(Dut)**

[Paraneoplastic acrokeratosis] Bazex A. **Bull Acad Natl Med (Paris)** 1984 May-Jun;168(5-6):666-71 (Eng. Abstr.) **(Fre)**

[Thymic carcinoid associated with paraneoplastic Cushing's syndrome. Apropos of a case] Essid MD, et al. **Tunis Med** 1983 Jan-Feb;61(1):45-8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Paraneoplastic hypercorticism] Luton JP, et al. **Ann Med Interne (Paris)** 1984;135(5):390-3 (Eng. Abstr.) **(Fre)**

[Neoplasms and cutaneous paraneoplastic syndromes] Niebauer G. **Hautarzt** 1984 Nov;35(11):602-8 **(Ger)**

[Tumor markers in bronchial carcinoma. Parameters for early diagnosis, staging and treatment follow-up] Gropp C, et al. **Ric Clin Lab** 1984;14 Suppl 2:21-31 **(Ita)**

[Paraneoplastic syndrome of renal cell carcinoma] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Mar; 76(3):371-7 (Eng. Abstr.) **(Jpn)**

[Diagnosis of paraneoplastic dermatoses] Shadyev KhK. **Vestn Dermatol Venerol** 1985 Jan;(1):18-20 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Hypercalcemic crises of myelomatous origin. Treatment with dichloromethylene diphosphonate (letter)] Conte N, et al. **Presse Med** 1984 Nov 24;13(42):2586 **(Fre)**

[Efficacy of intravenous dichloromethylene diphosphonate in paraneoplastic hypercalcemia resistant to mithramycin] Peyron R, et al. **Rev Rhum Mal Osteoartic** 1984 Jul-Sep; 51(7-8):435-7 **(Fre)**

ETIOLOGY

Clear cell hepatocellular carcinoma: sudden death from severe hypoglycemia. Ross JS, et al. **Am J Gastroenterol** 1985 Mar;80(3):188-94

Pancytopenia with a hypercellular bone marrow as a possible paraneoplastic syndrome [letter] Haznedar R. **Am J Hematol** 1985 Jun;19(2):205-6

Oncogenic osteomalacia and inappropriate antidiuretic hormone secretion due to oat-cell carcinoma. Taylor HC.

NEWARK PUBLIC LIBRAR

et al. **Ann Intern Med** 1984 Dec;101(6):786-8

Paraneoplasic precocious puberty. Report of a new case with hepatoblastoma and review of the literature. Navarro C, et al. **Cancer** 1985 Oct 1;56(7):1725-9

[Hypercalcemia associated with tumors in children. 20 cases] Lebianc A, et al. **Arch Fr Pediatr** 1984 Oct;41(8):551-5 (Eng. Abstr.) **(Fre)**

[Cavoauricular thrombectomy under extracorporeal circulation and right superior lobectomy for paraneoplastic thrombosis in a case of lung cancer] Puglionisi A, et al. **J Chir (Paris)** 1984 Nov;121(11):673-9 (Eng. Abstr.) **(Fre)**

[Acquired disseminated papulous palmar keratoses--a paraneoplastic syndrome in cancers of the urinary bladder and lung?] Küchmeister B, et al. **Z Hautkr** 1984 Sep 1; 59(17):1123-4 **(Ger)**

[Successful resection of giant hepatocellular carcinoma with hypoglycemic attack] Kitazawa T, et al. **Nippon Geka Gakkai Zasshi** 1984 Dec;85(12):1591-6 (Eng. Abstr.) **(Jpn)**

[Paraneoplastic amyloidosis of the kidneys and adrenal glands in a patient with a kidney tumor] Demina TG. **Vrach Delo** 1985 Feb;(2):48-9 **(Rus)**

[Paraneoplastic syndromes in patients with primary malignant tumors of the liver] Garassini MA. **GEN** 1984 Jan-Jun; 38(1-2):44-55 **(Spa)**

[The POEMS syndrome (Polyneuropathy, Organomegaly, Endocrinopathy, Monoclonal component, Skin). Presentation of 3 cases] Sosa Henriquez M, et al. **Rev Clin Esp** 1985 Apr;176(6):305-7 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Paraneoplastic myelopathy: antibodies against protein in normal spinal cord and underlying neoplasm [letter] Babikian VL, et al. **Lancet** 1985 Jul 6;2(8445):49-50

Autoimmune basis for visual paraneoplastic syndrome in patients with small-cell lung carcinoma. Grunwald GB, et al. **Lancet** 1985 Mar 23;1(8430):658-61

[Presence of antinuclear antibodies of the nucleolar type in Lambert-Eaton myasthenic syndrome (letter)] Chaouat D, et al. **Presse Med** 1984 Nov 17;13(41):2521 **(Fre)**

METABOLISM

Oncogenic osteomalacia [letter] Weiss D, et al. **Ann Intern Med** 1985 Apr;102(4):557

PATHOLOGY

Paraneoplastic syndromes and constitutional symptoms in prediction of metastatic behavior of small cell carcinoma of the lung. de la Monte SM, et al. **Am J Med** 1984 Nov; 77(5):851-7

Hepatocellular carcinoma: an unusual course with hyperthyroidism and inappropriate thyroid-stimulating hormone production. Helzberg JH, et al. **Gastroenterology** 1985 Jan;88(1 Pt 1):181-4

Ovarian cancer complicated by cerebellar degeneration: a paraneoplastic syndrome. Hall DJ, et al. **Gynecol Oncol** 1985 Jun;21(2):240-6

Tumor lysis syndrome in a patient with American Burkitt's lymphoma. Topilow AA, et al. **J Med Soc NJ** 1985 Jun; 82(6):471-4

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 30-1985. A 52-year-old woman with a progressive neurologic disorder and a pelvic mass. **N Engl J Med** 1985 Jul 25;313(4):249-57

Malignant tumors and embolizing paraneoplastic endocarditis. Ondriaš F, et al. **Neoplasma** 1985;32(1):135-40

[Acanthosis nigricans as a paraneoplastic syndrome in a patient with lung carcinoma] Petranov E, et al. **Vutr Boles** 1984;23(6):83-6 **(Bul)**

[Darier's erythema annulare centrifugum and primary Vaquez polycythemia] Triller R, et al. **Ann Dermatol Venereol** 1984;111(8):767-8 **(Fre)**

[Cutaneous paraneoplastic syndromes] Barrière H. **Ann Med Interne (Paris)** 1984;135(8):662-8 (Eng. Abstr.) **(Fre)**

[Paraneoplastic acrokeratosis] Bazex A, et al. **Ann Med Interne (Paris)** 1984;135(8):658-61 (Eng. Abstr.) **(Fre)**

[Necrolytic migratory erythema: glucagonoma syndrome. Clinical and histological aspects] Wilkinson DS. **Ann Med Interne (Paris)** 1984;135(8):654-7 (Eng. Abstr.) **(Fre)**

[Dermatomyositis as a paraneoplastic manifestation in cancer of the upper respiratory and digestive tracts. Problems of its evolution and treatment] Sarafoleanu D, et al. **Rev Chir [Otorinolaringol]** 1985 Apr-Jun;30(2):107-10 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Remission of a paraneoplastic cerebellar syndrome. Eekhof JL. **Clin Neurol Neurosurg** 1985;87(2):133-4

Autonomic dysfunction and Eaton Lambert syndrome. Mamdani MB, et al. **J Auton Nerv Syst** 1985 Apr; 12(4):315-20

Paraneoplastic cerebellar degeneration. A clinical and CT study. Greenberg HS. **J Neurooncol** 1984;2(4):377-82

Intraventricular morphine in paraneoplastic painful syndrome of the cervicofacial region: experience in thirty-eight cases. Lenzi A, et al. **Neurosurgery** 1985 Jul;17(1):6-11

[The paraneoplastic syndrome in nasopharynx cancer. 32 cases] Maalej M, et al. **Presse Med** 1985 Feb 23;14(8):471-4 (Eng. Abstr.) **(Fre)**

SECRETION

Immunohistochemistry in detection of paraneoplastic secretion of calcium regulating hormones. Arps H, et al. **Folia Histochem Cytobiol** 1984;22(3-4):173-7

THERAPY

[Role of periarterial sympathectomy in the treatment of digital gangrene. Apropos of a case of paraneoplastic gangrene] Housset B, et al. **Rev Med Interne** 1984 Sep; 5(3):236-8 **(Fre)**

VETERINARY

Laboratory aspects of cancer. Feldman BF, et al. **Mod Vet Pract** 1984 Oct;65(10):771-3

Paraneoplastic disorders in dogs with hematopoietic tumors. Weller RE. **Vet Clin North Am [Small Anim Pract]** 1985 Jul;15(4):805-16 (37 ref.)

PARANOIA see **PARANOID DISORDERS**

PARANOID BEHAVIOR

PHYSIOPATHOLOGY

[Psychopathologic conditions from the standpoint of the functional specialization of the cerebral hemispheres] Sokolova ED, et al. **Zh Nevropatol Psikhiatr** 1984; 84(12):1823-7 (Eng. Abstr.) **(Rus)**

PARANOID DISORDER, SHARED see **SHARED PARANOID DISORDER**

PARANOID DISORDERS

Ben-Ari v. Shapira: contempt proceedings against mentally ill persons in the Supreme Court of Israel Civil Appeal. Levi J. **Med Law** 1985;4(1):81-4

CHEMICALLY INDUCED

Pemoline abuse. Polchert SE, et al. **JAMA** 1985 Aug 16; 254(7):946-7

Confusion and paranoia associated with oral tocainide. Clarke CW, et al. **Postgrad Med J** 1985 Jan;61(711):79-81

['A visit from an old friend'; paranoid psychosis in chronic bromide poisoning] Tan KL, et al. **Ned Tijdschr Geneeskd** 1984 Oct 13;128(41):1929-30 **(Dut)**

[Visit of an old friend, paranoid psychosis in chronic bromide poisoning (letter)] ten Berg JL. **Ned Tijdschr Geneeskd** 1985 Feb 2;129(5):230-1 **(Dut)**

COMPLICATIONS

[Paranoid states in epileptics] Jorgić-Hauptfeld S. **Neurologija** 1984;33(3-4):97-103 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Late paraphrenia [letter] Levy R, et al. **Br J Psychiatry** 1985 Apr;146:451

Paranoid psychosis in myxoedema: a case report. Samuel W, et al. **Med J Malaysia** 1984 Jun;39(2):156-8

DRUG THERAPY

Neuroleptic malignant syndrome: successful treatment with bromocriptine. Verhoeven WM, et al. **Biol Psychiatry** 1985 Jun;20(6):680-4

[Perazine-induced agranulocytosis--case report and discussion] Hörner W, et al. **Psychiatr Prax** 1985 Jan; 12(1):23-4 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Hyperparathyroidism and paranoid psychosis. Case report and review of the literature. Alarcón RD, et al. **Br J Psychiatry** 1984 Nov;145:477-86 (63 ref.)

[Paranoid symptoms in functional disorders of the hypothalamus] Faltus F, et al. **Cesk Psychiatr** 1984 Aug; 80(4):255-8 (Eng. Abstr.) **(Cze)**

[Q fever with acute paranoid psychosis] Gerdes LU, et al. **Ugeskr Laeger** 1985 Apr 22;147(17):1412-3 (Eng. Abstr.) **(Dan)**

[Epidemic of acquired immunodeficiency syndrome triggering psychotic-psychogenic reactions] Assael M, et al. **Harefuah** 1985 May 1;108(9):431-3 (Eng. Abstr.) **(Heb)**

PSYCHOLOGY

Long-term course of acute reactive paranoid psychosis. A follow-up study. Jørgensen P. **Acta Psychiatr Scand** 1985 Jan;71(1):30-7

Deanimated transitional phenomena in paranoid conditions. The 'influencing machine' revisited. Sugarman A. **Bull Menninger Clin** 1984 Sep;48(5):418-26

Role-played and hypnotically induced simulation of psychopathology on the MMPI: a partial replication. Lundy RM, et al. **Int J Clin Exp Hypn** 1985 Oct;33(4):302-9

Schreber's illness: dementia paranoides or affective disorder? Rinsley DB. **Int J Psychoanal Psychother** 1984-85; 10:377-82

Personal efficacy, external locus of control, and perceived contingency of parental reinforcement among depressed, paranoid, and normal subjects. Rosenbaum M, et al. **J Pers Soc Psychol** 1985 Aug;49(2):539-47

[Paranoia erotica as a cause of persecution and abuse] Alexius B. **Lakartidningen** 1985 Jun 19;82(25):2324-6 **(Swe)**

THERAPY

Adolescent paranoia: transference and countertransference issues. Meissner WW. **Adolesc Psychiatry** 1985;12:478-508

PARANOID PERSONALITY DISORDER see under **PERSONALITY DISORDERS**

PARANOID PSYCHOSES see **PARANOID DISORDERS**

PARANOID SCHIZOPHRENIA see **SCHIZOPHRENIA, PARANOID**

PARAOXON

Diethyl-p-nitrophenyl phosphate: an active site titrant for lipoprotein lipase. Quinn DM. **Biochim Biophys Acta** 1985 Apr 25;834(2):267-71

ANALOGS & DERIVATIVES

Determination of methyl paraoxon in dog plasma by reversed-phase high-performance liquid chromatography. De Schryver EP, et al. **J Chromatogr** 1985 Mar 22; 338(2):389-95

PHARMACODYNAMICS

Effects of physostigmine, paraoxon and soman on brain GABA level and metabolism. Coudray-Lucas C, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Aug;55(2):153-7

Cytogenetic effects of paraoxon and methyl-parathion on cultured human lymphocytes: SCE, clastogenic activity and cell cycle delay. Singh S, et al. **Int Arch Occup Environ Health** 1984;54(3):195-200

Enzymatic microdetermination of free fatty acids in plasma of animals using paraoxon to prevent lipolysis. Degen AJ, et al. **Scand J Clin Lab Invest** 1985 May;45(3):283-5

TOXICITY

[The acute toxicity of eserine, VX and paraoxon for the establishment of a mathematical model for extrapolation to humans] Leblic C, et al. **Arch Belg** 1984;Suppl:226-42 (Eng. Abstr.) **(Fre)**

[Changes in the cholinesterase activity and glucose concentration in the blood induced by paraoxon in rabbits immunized against paraoxon] Lober M, et al. **Biomed Biochim Acta** 1984;43(6):835-40 (Eng. Abstr.) **(Ger)**

PARAPHILIAS

see related
SEX OFFENSES

Child sexual abuse and juvenile prostitution: a commentary on the Badgley Report on sexual offences against children and youth. Bagley C. **Can J Public Health** 1985 Jan-Feb; 76(1):65-6

Vaginitis due to Gardnerella vaginalis and to Candida albicans in sexual abuse. De Jong AR. **Child Abuse Negl** 1985;9(1):27-9

View from the Nation's Courts. Treatment of a known sex deviate. Freishtat HW. **J Clin Psychopharmacol** 1983 Jun; 3(3):194-5

[Deviant and non-deviant sex delinquents] Weiss P, et al. **Cas Lek Cesk** 1985 May 17;124(20):622-5 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Sexually abused children: identifying masked presentations in a medical setting. Hunter RS, et al. **Child Abuse Negl** 1985;9(1):17-25

Some issues in the assessment of sexual deviance. Earls CM. **Int J Law Psychiatry** 1983;6(3-4):431-41

Genital warts and sexual abuse in children. American Academy of Dermatology Task Force on Pediatric Dermatology. **J Am Acad Dermatol** 1984 Sep;11(3):529-30

The ethical and moral implications of sexual classification: a commentary. Silverstein C. **J Homosex** 1984 Summer; 9(4):29-38

Classifying sexual disorders: the Diagnostic and Statistical Manual of the American Psychiatric Association. Suppe F. **J Homosex** 1984 Summer;9(4):9-28

[Do 'sexually immature' pedophilic delinquents differ from pedophiles?] Lachman M. **Cesk Psychiatr** 1985 Jun; 81(3):198-202 (Eng. Abstr.) **(Cze)**

[Apropos of a case of necrophilia. Structural and psychopathologic approach] Tridon P, et al. **Ann Med Psychol (Paris)** 1984 Jul-Aug;142(7):1017-24 **(Fre)**

[Perverse symptom formation as clues in the diagnostic process] Haag A, et al. **Nervenarzt** 1985 Jul;56(7):373-8 **(Ger)**

DRUG THERAPY

Physical, metabolic, and hormonal effects on men of long-term therapy with medroxyprogesterone acetate. Meyer WJ 3d, et al. **Fertil Steril** 1985 Jan;43(1):102-9

[Serum testosterone determination in the antiandrogen therapy of sexual deviations with cyproterone acetate (preliminary report of experiences)] Glander HJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Oct; 36(10):596-603 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Vampirism--a clinical condition. Prins H. **Br J Psychiatry** 1985 Jun;146:666-8

Fetishism--etiology and treatment: a review from multiple perspectives. Wise TN. **Compr Psychiatry** 1985 May-Jun; 26(3):249-57 (49 ref.)

[Case of the lawsuit as a contribution to reflections on the etiology of sexual deviations] Godlewski J. **Psychiatr Pol** 1984 Sep-Oct;18(5):503-5 **(Pol)**

HISTORY

Bottoms up! The fine arts and flagellation. Part II. Ober WB. **Am J Dermatopathol** 1984 Dec;6(6):541-52

OCCURRENCE

Analysis of sexual abuse hotline reports. Pierce RL, et al. **Child Abuse Negl** 1985;9(1):37-45

PHYSIOPATHOLOGY

Is there hypothalamic-pituitary-gonadal dysfunction in paedophilia? A pilot study. Gaffney GR, et al. **Br J Psychiatry** 1984 Dec;145:657-60

PSYCHOLOGY

Explanations of pedophilia: review of empirical research. Araji S, et al. **Bull Am Acad Psychiatry Law** 1985; 13(1):17-37 (81 ref.)

Complications, consent, and cognitions in sex between children and adults. Abel GG, et al. **Int J Law Psychiatry** 1984;7(1):89-103

Aggression against pedophiles. Brongersma E. **Int J Law Psychiatry** 1984;7(1):79-87

Toward a unified conception of the origins of sexual and social deviancy in young persons. Limentani A. **Int J Psychoanal Psychother** 1984-85;10:383-401

Fixing women: devaluation, idealization, and the female fetish. Waites EA. **J Am Psychoanal Assoc** 1982; 30(2):435-59

Neuropsychological performance of sexual assaulters and pedophiles. Scott ML, et al. **J Forensic Sci** 1984 Oct; 29(4):1114-8

Female exhibitionism. Grob CS. **J Nerv Ment Dis** 1985 Apr; 173(4):253-6

Pedophilia and heterosexuality vs. homosexuality. Freund K, et al. **J Sex Marital Ther** 1984 Fall;10(3):193-200

[Improvement of the sexual parternership of exhibitionists] Kolářský A, et al. **Cesk Psychiatr** 1984 Oct;80(5):303-7 (Eng. Abstr.) **(Cze)**

[Phenomenology and history of the origin of exhibitionism] Mester H. **Fortschr Neurol Psychiatr** 1984 Jul;52(7):237-49 (Eng. Abstr.) **(Ger)**

[Relevance of sodomy in adolescence] Fehlow P. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Apr; 37(4):228-33 (Eng. Abstr.) **(Ger)**

[The pedophilic criminal] Heim M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Feb; 37(2):107-12 (Eng. Abstr.) **(Ger)**

[Self-exchange drive of pedophilic patients] Berner W. **Psychother Psychosom Med Psychol** 1985 Jan;35(1):17-23 (Eng. Abstr.) **(Ger)**

[Exhibitionism--a criticism of only biologically oriented interpretations of this sexual disorder] Mester H. **Z Psychosom Med Psychoanal** 1985;31(2):156-71 (Eng. Abstr.) **(Ger)**

THERAPY

The use of hypnotic uncovering techniques in the treatment of pedophilia: a brief communication. Stava L. **Int J Clin Exp Hypn** 1984 Oct;32(4):350-5

Sexual fantasy alternation: procedural considerations. Laws DR. **J Behav Ther Exp Psychiatry** 1985 Mar;16(1):39-44

[Possibilities of the treatment of sex fetishists using electric minishocks] Topiař A. **Cas Lek Cesk** 1984 Dec 28; 123(52):1606-7 (Eng. Abstr.) **(Cze)**

PARAPHIMOSIS see under **PHIMOSIS**

PARAPHRENIA, INVOLUTIONAL see **DEPRESSION, INVOLUTIONAL**

PARAPLEGIA

CHEMICALLY INDUCED

Paraplegia following epidural potassium chloride. Shanker KB, et al. **Anaesthesia** 1985 Jan;40(1):45-7

Paraplegia following chymopapain injection. A case report [letter] Brown MD. **J Bone Joint Surg [Am]** 1985 Mar; 67(3):504

Paraplegia following chymopapain injection. A case report. Weitz EM. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1131-5

[Description of a clinical case of inadvertent peridural administration of 15 percent potassium chloride] Pagani I, et al. **Minerva Anestesiol** 1984 Jul-Aug;50(7-8):407-10 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Fracture healing in paraplegic rats. Aro H, et al. **Acta Orthop Scand** 1985 Jun;56(3):228-32

Epidural meperidine for control of autonomic hyperreflexia in a paraplegic parturient. Baraka A. **Anesthesiology** 1985 May;62(5):688-90

Hip flexion contractures: a comparison of measurement methods. Bartlett MD, et al. **Arch Phys Med Rehabil** 1985 Sep;66(9):620-5

Wheelchair push-ups: measuring pressure relief frequency. Merbitz CT, et al. **Arch Phys Med Rehabil** 1985 Jul; 66(7):433-8

Extraperitoneal gas under the diaphragm. Sole GM, et al. **Br J Surg** 1984 Sep;71(9):722

Renal pelvi-ureteric injury in traumatic paraplegia. Jaffray DC, et al. **Injury** 1985 Jan;16(4):244-6

Hematopoietic system in paraplegic patients with end-stage renal disease. Vaziri ND. **J Am Paraplegia Soc** 1984 Jul; 7(3):47-8

Free small water-cushions for paraplegics. Lourie JA. **Papua New Guinea Med J** 1983 Jun;26(2):139-40

Carpal tunnel syndrome in paraplegic patients. Aljure J, et al. **Paraplegia** 1985 Jun;23(3):182-6

Prevention of thrombo-embolic complications in paraplegics. Gruber UF, et al. **Paraplegia** 1985 Apr;23(2):124

Chronic prostatitis in spinal cord injury patients. Wyndaele JJ. **Paraplegia** 1985 Jun;23(3):164-9

Painful muscle spasm reversed by magnesium sulphate. A case report. Clinton CW, et al. **S Afr Med J** 1985 Aug 31;68(5):332-3

[Ischiectomy in paraplegic patients. Apropos of 75 cases] Lermusiaux P, et al. **Ann Chir Plast Esthet** 1985; 30(2):166-70 (Eng. Abstr.) **(Fre)**

[Arthritis of the hip in paraplegic patients. Apropos of 8 cases] Lortat-Jacob A, et al. **Rev Chir Orthop** 1984; 70(5):383-8 (Eng. Abstr.) **(Fre)**

[Occurrence of pressure ulcers following discharge from the hospital of patients with complete paraplegia--a long-term follow-up study] Wahle H. **Rehabilitation (Stuttg)** 1984 Nov;23(4):133-9 (Eng. Abstr.) **(Ger)**

[Fractures in the paralyzed limb] Azaria M, et al. **Harefuah** 1985 Mar 1;108(5):257-9 **(Heb)**

[Superior mesenteric artery syndrome in acute traumatic paraplegia] Ohry A, et al. **Harefuah** 1985 Apr 1; 108(7):346-7 (Eng. Abstr.) **(Heb)**

[Surgical treatment of lower limb deformities in adults with spastic paralysis] Agadzhanian VV, et al. **Ortop Travmatol Protez** 1985 Apr;(4):52-3 **(Rus)**

[Tomsen's myotonia associated with paroxysmal myoplegia] Drobinskiĭ AD, et al. **Pediatriia** 1984 Sep;(9):74 **(Rus)**

DIAGNOSIS

Fleck retina in Kjellin's syndrome. Farmer SG, et al. **Am J Ophthalmol** 1985 Jan 15;99(1):45-50

Fleck retina in Kjellin's syndrome [letter] Traboulsi EI. **Am J Ophthalmol** 1985 Jun 15;99(6):738-9

Simulated paraplegia: an occasional problem for the neurosurgeon. Maurice-Williams RS, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):826-31

Somatosensory evoked potentials in hysterical paraplegia. Kaplan BJ, et al. **Surg Neurol** 1985 May;23(5):502-6

[Usefulness of studying the H-reflex and F-wave in the diagnosis of lesions of the central nervous system] Bojakowski J. **Neurol Neurochir Pol** 1984 Sep-Oct; 18(5):465-71 (30 ref.) **(Pol)**

DRUG THERAPY

Intrathecal phenol and glycerin in metrizamide for treatment of intractable spasms in paraplegia. Case report. Scott BA, et al. **J Neurosurg** 1985 Jul;63(1):125-7

ETIOLOGY

Epidural abscess, vertebral destruction, and paraplegia caused by extending infection from an aspergilloma. Wagner DK, et al. **Am J Med** 1985 Mar;78(3):518-22

Paraplegia caused by spinal angioma--possible association with epidural analgesia. Hirsch NP, et al. **Anesth Analg** 1985 Sep;64(9):937-40

Paraplegia resulting from rupture of previously asymptomatic intramedullary hemangioblastoma during coitus [letter] Rothstein TL. **Ann Neurol** 1985 May;17(5):519

Traumatic rupture of the aorta: emergency operation. Pate JW. **Ann Thorac Surg** 1985 Jun;39(6):531-7

Epidural hematoma as a cause of postpneumonectomy paraplegia. Perez-Guerra F, et al. **Ann Thorac Surg** 1985 Mar;39(3):282

Late paraplegia as a consequence of intraaortic balloon pump support. Scott IR, et al. **Ann Thorac Surg** 1985 Sep; 40(3):300-1

Paraparesis with hemoglobin E-beta thalassemia. Chin D, et al. **Aust NZ J Med** 1985 Apr;15(2):263-4

Paraplegia in children with malignant teratoma. Weinblatt ME, et al. **Cancer** 1985 Oct 15;56(8):2140-2

Subtotal circumferential decompression for late thoracolumbar fracture-dislocation complicated by paraplegia. Zhao DL, et al. **Chin Med J [Engl]** 1984 Jun; 97(6):419-24

Syphilitic spinal neuroarthropathy with paraplegia. Radhakrishnan K, et al. **Clin Neurol Neurosurg** 1985; 87(1):61-4

Spastic paraparesis due to cryptococcal osteomyelitis. A case report. Matsushita T, et al. **Clin Orthop** 1985 Jun; (196):279-84

Spinal cord paralysis following sclerotherapy for esophageal varices. Seidman E, et al. **Hepatology** 1984 Sep-Oct; 4(5):950-4

Paraplegia. Mehta PP, et al. **J Assoc Physicians India** 1984 Jun;32(6):521-2

Primary aspergillosis of the spine mimicking Pott's paraplegia. McKee DF, et al. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1481-3

Transient paraplegia following sudden lowering of blood pressure. Singh A, et al. **J Indian Med Assoc** 1984 Jun; 82(6):214-5, 228

Postoperative paraplegia with preserved intraoperative somatosensory evoked potentials. Case report. Ginsburg HH, et al. **J Neurosurg** 1985 Aug;63(2):296-300

Prostatic secondary paraplegia. Rajgopal A, et al. **J R Coll Surg Edinb** 1984 Jul;29(4):261

Spontaneous development of paraplegia after repair of coarctation of the aorta. Moraes CR, et al. **J Thorac Cardiovasc Surg** 1985 Jun;89(6):942-3

Aortic gunshot injury and paraplegia: preoperative definition with arteriography and computerized axial tomography. Syracuse DC, et al. **J Trauma** 1985 Mar;25(3):271-3

A case of adult T-cell leukemia initiated with central nervous system symptoms. Aoyagi K, et al. **Jpn J Clin Oncol** 1984 Dec;14(4):685-90

Thoracic chordoma in a patient with paraparesis and ivory vertebral body. Schwarz SS, et al. **Neurosurgery** 1985 Jan; 16(1):100-2

Conservative treatment of paraplegia following acute trauma in a patient with tuberculous kyphosis: case report and review of the literature. Chan KM, et al. **Paraplegia** 1985 Jun;23(3):187-91

Traumatic cerebral flaccid paraplegia. Teddy PJ, et al. **Paraplegia** 1984 Oct;22(5):320-4

Paraplegia in Paget's disease of the vertebral column. A case report. Craig JB, et al. **S Afr Med J** 1985 Jan 19;67(3):103-5

Hydatid disease of the spine causing paraplegia. The combined treatment by surgical drainage and mebendazole: a case report. Porat S, et al. **Spine** 1984 Sep;9(6):648-53

Is paraplegia after repair of coarctation of the aorta due principally to distal hypotension during aortic cross-clamping? Krieger KH, et al. **Surgery** 1985 Jan; 97(1):2-7

Traumatic paraplegia in northern Tanzania. Fisk N, et al. **Trop Doct** 1985 Jan;15(1):23-6

[Paraplegia disclosing an intramedullary tuberculoma in a 6-year-old child (letter)] Balafrej A, et al. **Arch Fr Pediatr** 1984 Aug-Sep;41(7):517-8 **(Fre)**

[Traumatic rupture of the aortic isthmus in a child, revealed by paraplegia] Guibert L, et al. **Chir Pediatr** 1985;26(1):46-7 (Eng. Abstr.) **(Fre)**

[Regressive paraplegia in tuberculous meningitis (letter)] Heine P, et al. **Presse Med** 1985 May 11;14(19):1095 **(Fre)**

[Paraplegia due to aortic rupture (letter)] Malledant Y, et al. **Presse Med** 1984 Dec 15;13(45):2766-7 **(Fre)**

[Reversible paraplegia following intrathecal injection of high doses of human gammaglobulins in the treatment of low-grade tetanus. 4 cases] Robert R, et al. **Presse Med** 1984 Sep 22;13(32):1947-9 (Eng. Abstr.) **(Fre)**

[Acute myelopathy: a rare complication of tuberculous meningitis] Triki A, et al. **Tunis Med** 1984 Jan-Feb; 62(1):51-3 (Eng. Abstr.) **(Fre)**

[3 cases of acute transverse syndrome caused by a dissecting aneurysm of the aorta] Just R. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Oct; 36(10):612-7 (Eng. Abstr.) **(Ger)**

[Radiotherapy of paraplegia caused by extramedullary hematopoietic tissue] Dietz R, et al. **Strahlentherapie** 1985 Mar;161(3):140-2 (Eng. Abstr.) **(Ger)**

[Case of funicular degeneration with exclusive involvement of the pyramidal tracts] Ostrzołek-Blinda H, et al. **Wiad Lek** 1984 May 15;37(10):812-5 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Familial spastic paraplegia with epilepsy. Kuroda S, et al. **Acta Med Okayama** 1985 Apr;39(2):113-7

[Clinical manifestations and mode of inheritance of hereditary spastic paraplegia in 20 families] Gao HW. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Feb; 18(1):24-6 (Eng. Abstr.) **(Chi)**

[Adrenomyeloneuropathy. 4 cases developing with the features of familial spasmodic paraplegia] Rondot P, et al. **Ann Med Interne (Paris)** 1984;135(7):542-7 (Eng. Abstr.) **(Fre)**

[Etiology and pathogenesis of familial spastic paraplegia (Strümpell-Lorrain disease)] Michałowicz R, et al. **Pol Tyg Lek** 1984 Aug 6;39(32):1083-6 (Eng. Abstr.) **(Pol)**

NEWARK PUBLIC LIBRARY

HISTORY

Readiness and the International Medical Society of Paraplegia: the Sir Ludwig Guttmann lecture 1984. Pool GM, et al. **Paraplegia** 1985 Jun;23(3):134-51

METABOLISM

Biochemical studies in paraplegic renal stone patients. 1. Plasma biochemistry and urinary calcium and saturation. Burr RG, et al. **Br J Urol** 1985 Jun;57(3):269-74

Energy expenditure after spinal cord injury: an evaluation of stable rehabilitating patients. Cox SA, et al. **J Trauma** 1985 May;25(5):419-23

General metabolism in patients with acute paraplegia and quadriplegia. Kaufman HH, et al. **Neurosurgery** 1985 Mar; 16(3):309-13

MICROBIOLOGY

Antibodies to human T-lymphotropic virus type-I in patients with tropical spastic paraparesis. Gessain A, et al. **Lancet** 1985 Aug 24;2(8452):407-10

NURSING

Theoretical strategies and nursing interventions to promote psychosocial adaptation to spinal cord injuries and disability. Friedman-Campbell M, et al. **J Neurosurg Nurs** 1984 Dec;16(6):335-42

OCCURRENCE

Epidemic spastic paraparesis [editorial] **Lancet** 1984 Oct 20; 2(8408):904-5

PATHOLOGY

Cerebellar degeneration in dominantly inherited spastic paraplegia. Scholtz CL, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):145-9

Relationship of spine deformity and pelvic obliquity on sitting pressure distributions and decubitus ulceration. Drummond D, et al. **J Pediatr Orthop** 1985 Jul-Aug;5(4):396-402

[Spermatogenesis in patients with traumatic transverse paralysis] Holstein AF, et al. **Urologe [A]** 1985 Jul; 24(4):208-15 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Cerebral palsy: postural-locomotor prognosis in spastic diplegia. Badell-Ribera A. **Arch Phys Med Rehabil** 1985 Sep;66(9):614-9

Paraplegic energy expenditure during negotiation of architectural barriers. Miller NE, et al. **Arch Phys Med Rehabil** 1984 Dec;65(12):778-9

Measurement of sebum excretion rate and skin temperature above and below the neurological lesion in paraplegic patients. Thomas SE, et al. **Br J Dermatol** 1985 May; 112(5):569-73

An objective study of the dimensions of the ischial pressure point and its correlation to the occurrence of a pressure sore. Dhami LD, et al. **Br J Plast Surg** 1985 Apr; 38(2):243-51

Interlimb coordination of posture in patients with spastic paresis. Impaired function of spinal reflexes. Dietz V, et al. **Brain** 1984 Sep;107 (Pt 3):965-78

Submaximal exercise responses of tetraplegics and paraplegics. Coutts KD, et al. **J Appl Physiol** 1985 Jul; 59(1):237-41

Kinematic features of wheelchair propulsion. Sanderson DJ, et al. **J Biomech** 1985;18(6):423-9

Reproductive biology of paraplegics: results of semen collection, testicular biopsy and serum hormone evaluation. Perkash I, et al. **J Urol** 1985 Aug;134(2):284-8

Quantitative weightbearing and gait evaluation of paraplegics using functional electrical stimulation. Mizrahi J, et al. **Med Biol Eng Comput** 1985 Mar;23(2):101-7

The maximum physiological responses during incremental wheelchair and arm cranking exercise in male paraplegics. Gass GC, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):355-9

The influence of serotonergic neurotransmission on the motor activity of the rabbit with the contusioned spinal cord. Simonić A, et al. **Neurologija** 1984;33(3-4):89-96

Cardiovascular responses and the sense of effort during attempts to contract paralysed muscles: role of the spinal cord. Hobbs SF, et al. **Neurosci Lett** 1985 Jun 4;57(1):85-90

Chronic pain in paraplegics. Waisbrod H, et al. **Neurosurgery** 1984 Dec;15(6):933-4

Energy expenditure of paraplegic marathon runners measured during a wheelchair marathon. Asayama K, et al. **Sangyo Ika Daigaku Zasshi** 1984 Jun 1;6(2):121-30

[Bladder paralysis in spinal injuries. Primary therapeutic results in 1-year case material] Gjone RN. **Tidsskr Nor Laegeforen** 1985 Jan 20;105(2):134-8 (Eng. Abstr.) **(Nor)**

PSYCHOLOGY

II. Coping with spinal cord injury. Ray C, et al. **Paraplegia** 1984 Aug;22(4):249-59

Eulogy for a dead survivor. Graham P. **Rehabil Lit** 1985 Jan-Feb;46(1-2):22-3

RADIOGRAPHY

Case report 312. Diagnosis: progressive paraparesis in a woman with pseudohypoparathyroidism (PHP) with ossification of the posterior longitudinal ligament from C4 to T5. Firooznia H, et al. **Skeletal Radiol** 1985;13(4):310-3

RADIOTHERAPY

[Effectiveness of pulsating magnetic fields in patients with disorders of spinal cord circulation based on data of global and stimulating electromyography] Musaev AV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):40-3 (Eng. Abstr.) **(Rus)**

REHABILITATION

Wheelchair cushion modification and its effect on pressure. Garber SL, et al. **Arch Phys Med Rehabil** 1984 Oct; 65(10):579-83

Energy expenditure in patients with low-, mid-, or high-thoracic paraplegia using Scott-Craig knee-ankle-foot orthoses. Merkel KD, et al. **Mayo Clin Proc** 1985 Mar;60(3):165-8

Survey of wheelchair athletic injuries: common patterns and prevention. Curtis KA, et al. **Paraplegia** 1985 Jun; 23(3):170-5

Over-distension therapy of the bladder in paraplegic patients using self-catheterisation: a preliminary study. Iwatsubo E, et al. **Paraplegia** 1984 Aug;22(4):210-5

Complications that may occur in those with spinal cord injuries who participate in sport. Nilsen R, et al. **Paraplegia** 1985 Jun;23(3):152-8

Programme of active education in the psycho-social integration of paraplegics. Pachalski A, et al. **Paraplegia** 1984 Aug;22(4):238-43

Low energy cost reciprocal walking for the adult paraplegic. Patrick JH, et al. **Paraplegia** 1985 Apr;23(2):113-7

Follow-up of paraplegic patients after comprehensive rehabilitation. Sposito MM, et al. **Paraplegia** 1984 Dec; 22(6):373-8

The care of paraplegics and tetraplegics in Singapore. Tan ES. **Paraplegia** 1985 Jun;23(3):159-63

Lower extremity telescopic orthosis--LETOR. Pokora MB, et al. **Prosthet Orthot Int** 1984 Aug;8(2):114-6

[A paraplegic skipper of his own sailing yacht] Christians U. **Rehabilitation (Stuttg)** 1985 May;24(2):96-9 (Eng. Abstr.) **(Ger)**

[Gynecologic examinations in paraplegics] Schneeweiss WD. **Wien Med Wochenschr** 1984 Nov 30;134(22):495-8 (Eng. Abstr.) **(Ger)**

[Functional electrostimulation of paraplegic patients--1 year's practical application. Results in patients and experiences] Kern H, et al. **Z Orthop** 1985 Jan-Feb; 123(1):1-12 (Eng. Abstr.) **(Ger)**

[Locomotive capacity of patients with spinal cord injuries in the thoraco-lumbar segment] Kiwerski J, et al. **Pol Tyg Lek** 1985 May 13;40(19):537-40 (Eng. Abstr.) **(Pol)**

SURGERY

Major amputation in paraplegic and tetraplegic patients. Grundy DJ, et al. **Int Rehabil Med** 1984;6(4):162-5

[Use of improved Harrington's instrumentation for fracture of the thoracolumbar vertebrae with paraplegia] Wang YM. **Chung Hua Wai Ko Tsa Chih** 1984 Jan;22(1):31-2, 63 (Eng. Abstr.) **(Chi)**

[Extensive excision of the upper end of the femur in children with motor handicap of cerebral origin] Pilliard D, et al. **Rev Chir Orthop** 1984;70(8):623-9 (Eng. Abstr.) **(Fre)**

THERAPY

An update on the early management of traumatic paraplegia (nonoperative and operative management). Donovan WH, et al. **Clin Orthop** 1984 Oct;(189):12-21 (28 ref.)

Traumatic paraplegia in Algeria: orientation of early management. Amara D, et al. **Paraplegia** 1985 Feb; 23(1):16-7

[Early surgical treatment using an external fixation device in traumatic paraplegia] Arnold W. **Beitr Orthop Traumatol** 1985 Jan;32(1):6-14 (Eng. Abstr.) **(Ger)**

URINE

Biochemical studies in paraplegic renal stone patients. 2. Urinary excretion of citrate, inorganic pyrophosphate, silicate and urate. Burr RG, et al. **Br J Urol** 1985 Jun; 57(3):275-8

VETERINARY

Vertebral fracture, extensor hypertonia of thoracic limbs, and paralysis of pelvic limbs (Schiff-Sherrington syndrome) in an Arabian foal. Chiapetta JR, et al. **J Am Vet Med Assoc** 1985 Feb 15;186(4):387-8

Experimental 3-nitro-4-hydroxyphenylarsonic acid toxicosis in pigs. Rice DA, et al. **Res Vet Sci** 1985 Jul;39(1):47-51

PARAPROTEINEMIAS

CHEMICALLY INDUCED

Indomethacin-related serum sickness-like illness with IgM lambda cryoparaprotein? Ferraccioli G, et al. **Acta Haematol (Basel)** 1985;73(1):45-6

COMPLICATIONS

Polyclonal plasma cell proliferation with systemic capillary hemangiomatosis, endocrine disturbance, and peripheral neuropathy. Ono K, et al. **Acta Pathol Jpn** 1985 Jan; 35(1):251-67

Plasmacytoma of lymph node. Recurrent lymphadenopathy terminating in plasma cell dyscrasia with polyneuropathy and endocrine disturbances. Sakuma H, et al. **Acta Pathol Jpn** 1984 Sep;34(5):1157-66

Plasma cell dyscrasia with marrow fibrosis. Clinicopathologic syndrome. Vandermolen L, et al. **Am J Med** 1985 Sep; 79(3):297-302

Paraproteinemia in patients with acquired immunodeficiency syndrome (AIDS) or lymphadenopathy syndrome (LAS). Heriot K, et al. **Clin Chem** 1985 Jul;31(7):1224-6

Peripheral neuropathy and paraproteinemia: an immunohistochemical and serologic study. Johansen P, et al. **Clin Neuropathol** 1985 May-Jun;4(3):99-104

Pure red blood cell aplasia associated with paraproteinemia: in vitro studies of erythropoiesis. Balducci L, et al. **Haematologia (Budap)** 1984;17(3):353-7

Disseminated xanthosiderohistiocytosis, a variant of xanthoma disseminatum, in a patient with a plasma cell dyscrasia. Battaglini J, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 2):750-5

Human monoclonal IgM autoantibodies with restricted antigenic specificity for myelin express unrelated idiotypes. Kahn SN. **J Neurol Sci** 1985 Jul;69(3):161-70

Hodgkin's disease developing in a patient with angioimmunoblastic lymphadenopathy with dysproteinemia--a case report. D'Arrigo A, et al. **Tumori** 1985 Jun 30;71(3):305-10

[Neurologic manifestations of monoclonal gammapathies] Uldry PA, et al. **Schweiz Med Wochenschr** 1984 Nov 24; 114(47):1678-85 (Eng. Abstr.) **(Fre)**

[Transitory oligoclonal paraproteinemia with virus infection and malignant lymphatic disease] Hermes C, et al. **Dtsch Med Wochenschr** 1985 May 24;110(21):837-40 (Eng. Abstr.) **(Ger)**

[A 72-year-old female patient with severe cardiac decompensation and paraproteinemia (clinical conference)] **Wien Klin Wochenschr** 1984 Dec 7;96(23):859-65 **(Ger)**

[Lymphatic reaction presenting as immunocytoma within the framework of carcinomas] Heinz R, et al. **Wien Klin Wochenschr** 1985 Feb 1;97(3):122-6 (Eng. Abstr.) **(Ger)**

[Richter's syndrome. Presentation of a rare variant with regression of chronic lymphatic leukemia and review of the literature] Foresti V, et al. **Minerva Med** 1984 Nov 30;75(45-46):2741-9 (Eng. Abstr.) **(Ita)**

[A case of plasma cell dyscrasia with polyneuropathy and endocrinopathy associated with Castleman lymphoma showing monoclonal proliferation] Taneichi K, et al. **Nippon Naika Gakkai Zasshi** 1985 Mar;74(3):351-6 **(Jpn)**

[A case of plasma cell dyscrasia with polyneuropathy and endocrinopathy coexistent with chronic thyroiditis and Castleman lymphoma] Taneichi K, et al. **Nippon Naika Gakkai Zasshi** 1984 Sep;73(9):1369-74 **(Jpn)**

[Angioimmunoblastic lymphadenopathy with dysproteinemia and pancytopenia] Hon'e J, et al. **Nippon Rinsho** 1985 Mar; 43(3):620-5 **(Jpn)**

ETIOLOGY

Monoclonal gammapathies in patients undergoing immunosuppressive treatment after renal transplantation. Radl J, et al. **Clin Immunol Immunopathol** 1985 Oct; 37(1):98-102

Differences among the three major categories of paraproteinaemias in aging man and the mouse. A minireview. Radl J. **Mech Ageing Dev** 1984 Dec; 28(2-3):167-70

[Hyperhaptoglobinemia in plasmacytoma and amyloidosis] Aeschlimann A, et al. **Dtsch Med Wochenschr** 1985 Jul 12;110(28-29):1128-9 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Idiopathic paraproteinaemia. IV. The role of genetic factors in the development of monoclonal B cell proliferative disorders--a study in the ageing C57BL/KaLwRij and CBA/BrARij mouse radiation chimeras. Radl J, et al. **Clin Exp Immunol** 1984 Oct;58(1):213-6

Peripheral neuropathy, high serum IgM, and paraproteinemia in mother and son. Busis NA, et al. **Neurology** 1985 May; 35(5):679-83

IMMUNOLOGY

IgA subclass distribution in paraproteinemias: suggestion of an IgG-IgA subclass switch pattern. Hammarström L, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Aug; 92(4):207-11

Angioimmunoblastic lymphadenopathy with dysproteinemia. Circulating immune complexes and the review of 18 cases. Coupland RW, et al. **Cancer** 1985 May 1;55(9):1902-6

T-cell subsets in malignant lymphomas and monoclonal gammopathies. Bergmann L, et al. **Scand J Haematol** 1985 Feb;34(2):170-6

[Immunohistologic studies on Castleman lymphoma in two cases of plasma cell dyscrasia with polyneuropathy and endocrinopathy (Takatsuki's disease)] Taneichi K, et al.

Rinsho Ketsueki 1984 Aug;25(8):1266–72 (Eng. Abstr.) **(Jpn)**

METABOLISM

The neuropathy of plasma cell dyscrasia: binding of IgM M-proteins to peripheral nerve glycolipids. Freddo L, et al. **Neurology** 1985 Oct;35(10):1420–4

OCCURRENCE

Frequency of monoclonal gammapathy in apparently healthy blood donors. Ongaro G, et al. **Ric Clin Lab** 1984 Jul-Sep; 14(3):549–52

PATHOLOGY

Electron microscope study on the hemangiomas in POEMS syndrome. Imayama S, et al. **J Dermatol (Tokyo)** 1984 Dec; 11(6):550–9

PHYSIOPATHOLOGY

Regulation of cerebral blood flow in response to changes in blood viscosity. Brown MM, et al. **Lancet** 1985 Mar 16;1(8429):604–9

RADIOGRAPHY

The POEMS syndrome: report of three cases with radiographic abnormalities. Tanaka O, et al. **Radiologe** 1984 Oct;24(10):472–4

THERAPY

Paraproteinemia associated with demyelinating polyneuropathy or myositis: treatment with plasmapheresis and immunosuppressive drugs. Kiprov DD, et al. **Artif Organs** 1985 Feb;9(1):47–52

Plasmapheresis in paraproteinemia. Euler HH, et al. **Blut** 1985 Jun;50(6):321–30 (83 ref.)

PARAPROTEINS

ANALYSIS

Antigenicity and effector functions of human immunoglobulin G1 proteins having C gamma 2 or C gamma 3 deletions. Jefferis R, et al. **Biochem Soc Trans** 1984 Oct;12(5):737–8

Identification and measurement of paraprotein polymers by high performance gel filtration chromatography. Cooper EH, et al. **Biomed Pharmacother** 1985;39(2):78–82

Trisomy 12 in a case of large cell, immunoblastic, polymorphous non-Hodgkin's lymphoma with IgG kappa monoclonal paraprotein [letter] Brusamolino E, et al. **Cancer Genet Cytogenet** 1984 Nov;13(3):279–80

Evidence for the biclonal nature of a Waldenstrom's macroglobulinemia. Bonewald L, et al. **Clin Chim Acta** 1985 Feb 28;146(1):53–63

A case of IgM lambda pyroglobulinemia caused by lymphoma probably of ovarian origin. Okubo H, et al. **Nippon Ketsueki Gakkai Zasshi** 1985 Feb;48(1):124–33

'Incomplete' pyroglobulin-gamma disease in a patient with osteosclerotic myeloma. Ruiz-Arguelles A, et al. **Scand J Haematol** 1984 Oct;33(4):351–5

[A case of IgD-lambda type multiple myeloma with pyroglobulinemia] Ohno T, et al. **Nippon Naika Gakkai Zasshi** 1984 Jul;73(7):980–5 **(Jpn)**

[A case of macroglobulinemia with pyroglobulin] Yashige H, et al. **Rinsho Ketsueki** 1984 Nov;25(11):1803–8 (Eng. Abstr.) **(Jpn)**

[Subcorneal pustulosis and benign monoclonal gammopathy. Favorable response to treatment with etretinate] Palomo Arellano A, et al. **Rev Clin Esp** 1985 May;176(9):476–8 (Eng. Abstr.) **(Spa)**

[Immunoblastic sarcoma in an IgM myeloma with the appearance of a second monoclonal component] Juliá A, et al. **Sangre (Barc)** 1985;30(3):355–62 (Eng. Abstr.) **(Spa)**

BLOOD

Artefactual decrease in total protein concentration in patients with monoclonal gammopathies: a method-dependent error. Whitlow KJ, et al. **Clin Biochem** 1984 Aug; 17(4):233–5

CEREBROSPINAL FLUID

Quantification of bands produced by isoelectric focusing using immunoperoxidase. Paluch UH, et al. **J Clin Pathol** 1984 Oct;37(10):1172–6

CLASSIFICATION

The use of monoclonal subclass-specific antibodies in the investigation of IgG paraproteins in human serum. Riches PG, et al. **Clin Chim Acta** 1985 Mar 15;146(2–3):207–13

IMMUNOLOGY

Structural similarities in the kappa light chains of human rheumatoid factor paraproteins and serum immunoglobulins bearing a cross-reactive idiotype. Fong S, et al. **J Immunol** 1985 Sep;135(3):1955–60

Autoantibody activities of human monoclonal immunoglobulins. Habibi B. **Rev Fr Transfus Immunohematol** 1984 Dec;27(6):757–66

PARAPSORIASIS

COMPLICATIONS

[Poikilodermatic type of large plaque parapsoriasis] Wätzig V, et al. **Dermatol Monatsschr** 1985;171(3):196–200 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Chronic dermatitis simulating small-plaque parapsoriasis due to cyanoacrylate adhesive used on fingernails. Shelley ED, et al. **JAMA** 1984 Nov 2;252(17):2455–6

ETIOLOGY

A heterosexual man with rash and rectal mass. Casanova GA, et al. **Hosp Pract [Off]** 1985 Aug 15;20(8):53

PATHOLOGY

[Parakeratosis variegata] Wätzig V, et al. **Dermatol Monatsschr** 1984;170(11):683–8 (Eng. Abstr.) **(Ger)**

PARAPSYCHOLOGY

A typology of near-death experiences. Greyson B. **Am J Psychiatry** 1985 Aug;142(8):967–9

'Psychic sensitivity', mystical experience, head injury and brain pathology. Fenwick P, et al. **Br J Med Psychol** 1985 Mar;58 (Pt 1):35–44

The aura. Mucha AV. **Int J Psychosom** 1985;32(1):22–4

K: a presumed case of telekinesis. Schwarz BE. **Int J Psychosom** 1985;32(1):3–21

Temporal lobe signs: electroencephalographic validity and enhanced scores in special populations. Makarec K, et al. **Percept Mot Skills** 1985 Jun;60(3):831–42

Geophysical variables and behavior: XXII. The tectonogenic strain continuum of unusual events. Persinger MA. **Percept Mot Skills** 1985 Feb;60(1):59–65

Temporal lobe signs and reports of subjective paranormal experiences in a normal population: a replication. Persinger MA, et al. **Percept Mot Skills** 1985 Jun;60(3):903–9

Propensity to report paranormal experiences is correlated with temporal lobe signs. Persinger MA. **Percept Mot Skills** 1984 Oct;59(2):583–6

PARAQUAT

[Photochemistry of phycobilisomes: photosensitized reduction of methylviologen] Bekasova OD, et al. **Mol Biol (Mosk)** 1984 Jul-Aug;18(4):1121–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Occupational exposure and drift hazard during aerial application of paraquat to cotton. Chester G, et al. **Arch Environ Contam Toxicol** 1984 Sep;13(5):551–63

ANALYSIS

Extraction and quantification of paraquat in liver and hemolyzed blood. Querée EA, et al. **J Anal Toxicol** 1985 Jan-Feb;9(1):10–4

BLOOD

Determination of serum paraquat by XAD-2 resin. Kuo TL. **Clin Chim Acta** 1984 Dec 29;144(2–3):273–6

Quantitative estimation of paraquat by an enzyme linked immunosorbent assay using a monoclonal antibody. Niewola Z, et al. **Clin Chim Acta** 1985 May 30; 148(2):149–56

A new statistical approach to the prognostic significance of plasma paraquat concentrations [letter] Hart TB, et al. **Lancet** 1984 Nov 24;2(8413):1222–3

METABOLISM

Mechanism of biodegradation of paraquat by Lipomyces starkeyi. Carr RJ, et al. **Appl Environ Microbiol** 1985 May; 49(5):1290–4

Chelated iron-catalyzed OH. formation from paraquat radicals and H2O2: mechanism of formate oxidation. Sutton HC, et al. **Arch Biochem Biophys** 1984 Nov 15; 235(1):106–15

Hydroxyl radical production from hydrogen peroxide and enzymatically generated paraquat radicals: catalytic requirements and oxygen dependence. Winterbourn CC, et al. **Arch Biochem Biophys** 1984 Nov 15;235(1):116–26

Oxygenic photoreduction of methyl viologen and nicotinamide adenine dinucleotide phosphate without the involvement of photosystem I during plastid development. Daniell H, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1114–21

Paraquat and putrescine uptake by lung slices of fetal and newborn rats. Gaudreault P, et al. **Drug Metab Dispos** 1984 Sep-Oct;12(5):550–2

In vivo percutaneous absorption of paraquat from hand, leg, and forearm of humans. Wester RC, et al. **J Toxicol Environ Health** 1984;14(5–6):759–62

The accumulation of putrescine and paraquat into lung slices taken from BHT treated mice. Smith LL, et al. **Toxicology** 1983 May;27(1):1–13

PHARMACODYNAMICS

Effects of a herbicide on the peroxide metabolism enzymes and lipid peroxidation in carp fish (Hypophthalmichthys molitrix). Matkovics B, et al. **Acta Biol Hung** 1984; 35(1):91–6

Selective killing of respiratory sufficient yeast cells by paraquat. Biliński T, et al. **Acta Microbiol Pol** 1985; 34(1):15–7

Paraquat effect on the bioelectric parameters of the rabbit small intestine and its in vitro penetration. Czyżewska K, et al. **Acta Physiol Pol** 1984 Jan-Feb;35(1):107–13

Long-term effects of dinoseb and paraquat, both individually and combined, on embryonic development and hatching success of Fasciola hepatica miracidia. Christian FA, et al. **Arch Environ Contam Toxicol** 1985 Mar;14(2):149–52

Effects of paraquat administration on longevity, oxygen consumption, lipid peroxidation, superoxide dismutase, catalase, glutathione reductase, inorganic peroxides and glutathione in the adult housefly. Allen RG, et al. **Comp Biochem Physiol [C]** 1984;78(2):283–8

The effect of paraquat on the peroxide metabolism enzymes in erythrocytes of freshwater fish species. Gabryelak T, et al. **Comp Biochem Physiol [C]** 1985;81(2):415–8

Selenium deficiency potentiates paraquat-induced lipid peroxidation in isolated perfused rat lung. Glass M, et al. **J Appl Physiol** 1985 Aug;59(2):619–22

Biochemical characterization of a paraquat-tolerant mutant of Escherichia coli. Kao SM, et al. **J Biol Chem** 1985 Sep 5;260(19):10478–81

Induction of superoxide dismutase, chromosomal aberrations and sister-chromatid exchanges by paraquat in Chinese hamster fibroblasts. Nicotera TM, et al. **Mutat Res** 1985 Sep;151(2):263–8

Hyperoxia and paraquat alter the kinetics of platelet serotonin uptake. Mais DE, et al. **Toxicol Appl Pharmacol** 1984 Oct; 76(1):1–8

POISONING

Paraquat toxicity. The use of hypoxic ventilation. Demeere JL. **Acta Anaesthesiol Belg** 1984 Sep;35(3):219–30

Complete recovery from paraquat poisoning causing severe unilateral pulmonary lesion. Póder G, et al. **Acta Paediatr Hung** 1985;26(1):53–9

Efficacy of activated charcoal and magnesium citrate in the treatment of oral paraquat intoxication. Gaudreault P, et al. **Ann Emerg Med** 1985 Feb;14(2):123–5

Practical therapeutics: first aid and therapy of poisoning from agricultural insecticides and herbicides. Obel AO. **East Afr Med J** 1984 Apr;61(4):335–8

Paraquat poisoning. Vandenbogaerde J, et al. **Forensic Sci Int** 1984 Oct;26(2):103–14

Alpha 1-antitrypsin levels in paraquat poisoning. Webb DB, et al. **Hum Toxicol** 1984 Aug;3(4):315–7

Sequential bilateral lung transplantation for paraquat poisoning. A case report. The Toronto Lung Transplant group. **J Thorac Cardiovasc Surg** 1985 May;89(5):734–42

Lipid peroxidation in human paraquat poisoning. Kurisaki E. **J Toxicol Sci** 1985 Feb;10(1):29–33

When is paraquat poisoning life-threatening? [letter] Banks RA. **Lancet** 1985 Feb 16;1(8425):395

Alleged paraquat poisoning in Perak. Wong KT, et al. **Med J Malaysia** 1984 Mar;39(1):52–5

Experimental paraquat poisoning--histological, electron microscopic and autoradiographic changes in the lung. Rossouw DJ, et al. **S Afr Med J** 1984 Sep 29;66(13):485–9

Recovery from severe pulmonary damage due to paraquat administered intravenously and orally. Hendy MS, et al. **Thorax** 1984 Nov;39(11):874–5

A literature review of paraquat toxicity. Onyeama HP, et al. **Vet Hum Toxicol** 1984 Dec;26(6):494–502 (40 ref.)

Ascorbic acid and riboflavin in the treatment of acute intoxication by paraquat. Schvartsman S, et al. **Vet Hum Toxicol** 1984 Dec;26(6):473–5

High dosage cyclophosphamide and dexamethasone treatment of paraquat poisoning with 75% survival. Addo E, et al. **West Indian Med J** 1984 Dec;33(4):220–6

[Paraquat poisoning in the Netherlands, 1972–1982] de Kort WL, et al. **Ned Tijdschr Geneeskd** 1984 Dec 29; 128(52):2441–5 (Eng. Abstr.) **(Dut)**

[Roentgenologic structure changes in the lung following paraquat poisoning] Reinbold WD, et al. **Prax Klin Pneumol** 1984 Dec;38(12):549–53 (Eng. Abstr.) **(Ger)**

[Fatal dose of paraquat (letter)] **Orv Hetil** 1985 Jan 6; 126(1):57 **(Hun)**

[Diagnostic problems of paraquat poisoning] Telegdy L, et al. **Orv Hetil** 1984 Aug 19;125(34):2057–61 (Eng. Abstr.) **(Hun)**

[The development of pulmonary hypertension 'in lung fibrosis: a morphometric analysis of pulmonary arteries in 21 cases of paraquat intoxication] Sawai T, et al. **Kokyu To Junkan** 1985 Mar;33(3):441–6 (Eng. Abstr.) **(Jpn)**

[Morphometric analysis of the disorganization process of the alveolar structures in paraquat toxicity] Takahashi T, et al. **Kokyu To Junkan** 1985 Jan;33(1):85–91 (Eng. Abstr.) **(Jpn)**

NEWARK PUBLIC LIBRARY

TOXICITY

Alleviation of paraquat toxicity by Kayexalate and Kalimate in rats. Nokata M, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Aug;55(2):158-60

Steroid pretreatment does not prevent paraquat pneumonitis in rabbits. Seidenfeld JJ. **Am J Med Sci** 1985 Feb; 289(2):51-4

Survival, growth, and histopathological effects of paraquat ingestion in nestling American kestrels (Falco sparverius). Hoffman DJ, et al. **Arch Environ Contam Toxicol** 1985 Jul; 14(4):495-500

Paraquat toxicity is enhanced by iron and reduced by desferrioxamine in laboratory mice. Kohen R, et al. **Biochem Pharmacol** 1985 May 15;34(10):1841-3

Recovery from paraquat pneumonitis. Seidenfeld JJ, et al. **Br J Ind Med** 1985 Mar;42(3):178-83

Teratogenic and lethal effects of paraquat on developing frog embryos (Rana pipiens). Dial NA, et al. **Bull Environ Contam Toxicol** 1984 Nov;33(5):592-7

Alteration of toxicity to paraquat in mice fed a purified or cereal-based diet. Evers WD, et al. **Drug Nutr Interact** 1982;1(3):237-48

Ascorbic acid nutritional status does not affect the biochemical response to paraquat. Sullivan TM, et al. **Fundam Appl Toxicol** 1984 Oct;4(5):754-9

Paraquat and nitrofurantoin inhibit growth of Escherichia coli by inducing stringency. Seither RL, et al. **J Toxicol Environ Health** 1984;14(5-6):763-71

Paraquat toxicity in vitro. I. Pulmonary alveolar macrophages. Wong RC, et al. **J Toxicol Environ Health** 1985;15(3-4):417-29

Direct toxic effects of paraquat and oxygen on cultured endothelial cells. Ody C, et al. **Lab Invest** 1985 Jan; 52(1):77-84

Powerful mutagenicity of a bipyridylium herbicide in a nitrogen-fixing blue-green alga Nostoc muscorum. Vaishampayan A. **Mutat Res** 1984 Oct;138(1):39-46

PARASITE EGG COUNT

An evaluation of quantitative techniques for Schistosoma haematobium eggs in urine preserved with carbolfuchsin. Richards FO Jr, et al. **Am J Trop Med Hyg** 1984 Sep; 33(5):857-61

A tool at hand for the screening of Schistosoma haematobium infections. Rutasitara WK, et al. **East Afr Med J** 1984 Apr; 61(4):299-302

Egg count variability and sensitivity of a thin smear technique for the diagnosis of Schistosoma mansoni. Teesdale CH, et al. **Trans R Soc Trop Med Hyg** 1985;79(3):369-73

[Possibilities of pasture contamination with Taeniarhynchus saginatus eggs] Straka S, et al. **Bratisl Lek Listy** 1985 Aug; 84(2):209-14 (Eng. Abstr.) **(Slo)**

METHODS

Human fascioliasis in Cajamarca/Peru. I. Diagnostic methods and treatment with praziquantel. Knobloch J, et al. **Trop Med Parasitol** 1985 Jun;36(2):88-90

[Coproparasitological diagnosis by modified Telemann's and Burrows' methods] Galdames M, et al. **Bol Chil Parasitol** 1984 Jan-Jun;39(1-2):10-2 (Eng. Abstr.) **(Spa)**

PARASITE-HOST RELATIONS see **HOST-PARASITE RELATIONS**

PARASITES

Prevalence of some internal parasites recovered at necropsy of Thoroughbreds born in 1982 in Kentucky. Lyons ET, et al. **Am J Vet Res** 1985 Mar;46(3):679-83

Proceedings of the British Society for Parasitology. Bristol, 4-6 April 1984. Abstracts. **Parasitology** 1984 Oct;89 (Pt 2):i-lxxix

Use of Frenolon in the treatment of delusion of parasitosis 'Ekbom's syndrome'). Hoffmann H. **Ther Hung** 1982; 30(1):23-4

Characterization of parasites. Abstracts. **Trans R Soc Trop Med Hyg** 1984;78(5):698-700

Abstracts of papers presented at the 11th meeting of the Deutsche Gesellschaft für Parasitologie e. V., Bad Harzburg, 10.-14.4.1984. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Dec; 258(2-3):374-430

[Parasites in feed] Bürger HJ. **DTW** 1985 Jun 7;92(6):218-20 **(Ger)**

IMMUNOLOGY

Expression and variability in multigenic families. **Ann Inst Pasteur Immunol** 1985 Jan-Feb;136C(1):5-168

METABOLISM

Metabolic integration during the host associations of multicellular animal endoparasites. Thompson SN. **Comp Biochem Physiol [B]** 1985;81(1):21-42 (269 ref.)

PHYSIOLOGY

John Hall Grundy lecture. Reflections on some human ectoparasites. Busvine JR. **J R Army Med Corps** 1984 Jun; 130(2):126-33

Parasite evasion of the immune response. **Parasitology** 1984 Aug;88 (Pt 4):571-682

Sequestration--beneficial to both host and parasite. Mackenzie CD. **Parasitology** 1984 Aug;88 (Pt 4):593-5

Disguise as an evasive stratagem of parasitic organisms. McLaren DJ. **Parasitology** 1984 Aug;88 (Pt 4):597-611 (84 ref.)

Theory of oviposition strategy of parasitoids. I. Effect of mortality and limited egg number. Iwasa Y. **Theor Popul Biol** 1984 Oct;26(2):205-27

PARASITIC DISEASES

Tungiasis. Armin AR, et al. **J Am Podiatr Med Assoc** 1985 Jun;75(6):325-7

Proceedings of the British Society for Parasitology. Bristol, 4-6 April 1984. Abstracts. **Parasitology** 1984 Oct;89 (Pt 2):i-lxxix

Symposium on parasitic infections. **Pediatr Clin North Am** 1985 Aug;32(4):863-1100

[Abstracts: 15th National Congress of Microbiology, Mexican Association of Microbiology. Veracruz, 3-7 June 1984] **Rev Latinoam Microbiol** 1984 Apr-Jun;26(2):89-188 **(Spa)**

[List of publications of the Gorgas Memorial Laboratory from 1980 to 1984] de las Casas MV. **Rev Med Panama** 1984 Sep;9(3):290-5 **(Spa)**

BLOOD

[A case of hypereosinophilia originating in Africa] **Ann Soc Belg Med Trop** 1985 Jun;65(2):211-22 **(Fre)**

[Diagnosis of hypereosinophilia of parasitic etiology (continued)] Ben Rachid MS, et al. **Tunis Med** 1985 Jan; 63:15-22 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Effect of maternal parasitic disease on the neonate. Stratton JA, et al. **Am J Reprod Immunol Microbiol** 1985 Aug; 8(4):141-2

Infectious complications of the acquired immune deficiency syndrome. Gold JW, et al. **Ann NY Acad Sci** 1984; 437:383-93

A study of nutritional status, parasitic infections and haematology in a farmworker community in Zimbabwe. Chandiwana SK, et al. **Cent Afr J Med** 1984 Sep; 30(9):172-5

[Glomerulopathies associated with parasitoses] Goldman M, et al. **Nephrologie** 1985;6(2):49-51 (28 ref.) (Eng. Abstr.) **(Fre)**

[Blood hypereosinophilias. III. Symptomatic hypereosinophilias: allergic, cutaneous, parasitic, infective, pulmonary and gastro- intestinal diseases] Lovisetto P, et al. **Minerva Med** 1985 Jun 8;76(24):1113-22 (Eng. Abstr.) **(Ita)**

[Neurological syndromes in anthropozoonoses] Nowak S. **Neurol Neurochir Pol** 1984 May-Jun;18(3):263-7 (24 ref.) **(Pol)**

DIAGNOSIS

Comparison of the FeKal CON-Trate system with the formalin-ethyl acetate technique for detection of intestinal parasites. Long EG, et al. **J Clin Microbiol** 1985 Aug; 22(2):210-1

Profile of a successful hospital clinical parasitology laboratory. McQuay RM. **Mt Sinai J Med (NY)** 1985 May; 52(5):384-6

Serologic and intradermal tests for parasitic infections. Bruckner DA. **Pediatr Clin North Am** 1985 Aug; 32(4):1063-75

Special laboratory examinations for parasitic infections. Garcia LS. **Pediatr Clin North Am** 1985 Aug;32(4):1047-61

[Risks of coproculture in parasitology (letter)] Guiguen C, et al. **Ann Biol Clin (Paris)** 1984;42(4):321 **(Fre)**

[Human pentastomiasis: clinical, radiological and x-ray computed tomographic study of a case] Fisch A, et al. **Gastroenterol Clin Biol** 1985 Mar;9(3):263-5 (Eng. Abstr.) **(Fre)**

[Domiciliary surveys of the prevalence of intestinal parasitosis. Relative costs of successive visits] Carvalheiro J da R, et al. **Bol Of Sanit Panam** 1985 Apr;98(4):320-6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Problems arising after a new compound has shown proven activity in the laboratory. Neal RA. **Parasitology** 1985 Apr; 90 (Pt 4):717-21

Gaps in our armoury against parasites of man. Rée GH. **Parasitology** 1985 Apr;90 (Pt 4):617-20

Chemotherapy and the immune response in parasitic infections. Targett GA. **Parasitology** 1985 Apr;90 (Pt 4):661-73 (64 ref.)

Treatment of parasitic infections. Seidel JS. **Pediatr Clin North Am** 1985 Aug;32(4):1077-95

ECONOMICS

Economic aspects of parasitic diseases. **Soc Sci Med** 1984; 19(10):1013-126

The economics of parasitic diseases: research priorities. Rosenfield PL, et al. **Soc Sci Med** 1984;19(10):1117-26

HISTORY

The Prince of El Plomo: a paleopathological study. Horne PD, et al. **Bull NY Acad Med** 1984 Nov;60(9):925-31

HTLV missionaries and parasites [letter] **Lancet** 1984 Oct 20;2(8408):927-8

[Contribution of I.A. Kassirskiĭ, Academician of the USSR Academy of Medical Sciences, to studies on geographic pathology] Vorob'ev RI. **Sov Med** 1985;(2):120-2 **(Rus)**

IMMUNOLOGY

The significance of immunoglobulin E in resistance to parasitic infections. Bloch EF, et al. **Ann Allergy** 1985 Feb; 54(2):83-93 (103 ref.)

Proceedings of the 9th congress of the Sociedade Brasileira de Imunologia. November 11-13, 1983, São Lourenco, MG. Abstracts. Gebara G, et al. **Braz J Med Biol Res** 1984; 17(5-6):365-86

Towards molecular vaccines against parasites. Mitchell GF. **Parasite Immunol** 1984 Nov;6(6):493-8

Interference in general immune function by parasite infections; African trypanosomiasis as a model system. Askonas BA. **Parasitology** 1984 Aug;88 (Pt 4):633-8

Manipulation of the immune response in parasitic infections. Howard JG. **Parasitology** 1984 Aug;88 (Pt 4):665-75 (68 ref.)

Disguise as an evasive stratagem of parasitic organisms. McLaren DJ. **Parasitology** 1984 Aug;88 (Pt 4):597-611 (84 ref.)

An appraisal of survival strategies. Mitchison NA. **Parasitology** 1984 Aug;88 (Pt 4):575-7

Evasion of the immune response: survival within low responder individuals of the host population. Wakelin D. **Parasitology** 1984 Aug;88 (Pt 4):639-57

[Opportunistic parasites (letter)] Dei Cas E, et al. **Presse Med** 1984 Oct 13;13(36):2213 **(Fre)**

[Circulating immune complexes in infectious diseases] Liashenko IuI, et al. **Sov Med** 1985;(1):27-31 (Eng. Abstr.) **(Rus)**

METABOLISM

Metabolic integration during the host associations of multicellular animal endoparasites. Thompson SN. **Comp Biochem Physiol [B]** 1985;81(1):21-42 (269 ref.)

OCCURRENCE

Long-term storage of IgG and IgM on filter paper for use in parasitic disease seroepidemiology surveys. Guimarães MC, et al. **Bull Pan Am Health Organ** 1985;19(1):16-28

Parasitic zoonoses in the Caribbean region--a review. Bundy DA, et al. **Int J Zoonoses** 1984 Jun;11(1):1-38 (385 ref.)

Health care of Indochinese refugees. Walker PF. **Minn Med** 1984 Dec;67(12):685-6

AIDS and parasitic infections, including Pneumocystis carinii and cryptosporidiosis. Berkowitz CD. **Pediatr Clin North Am** 1985 Aug;32(4):933-52 (101 ref.)

Incidence of clinical infections in a defined population of pregnant women. Sever JL, et al. **Prog Clin Biol Res** 1985; 163B:317-26

The application of a quantitative approach to the assessment of the relative importance of vector and soil transmitted diseases in Ghana. Morrow RH Jr. **Soc Sci Med** 1984; 19(10):1039-49

[Geography of major parasitosis in Tunisia] Ben Rachid MS, et al. **Arch Inst Pasteur Tunis** 1984 Mar;61(1):17-41 (Eng. Abstr.) **(Fre)**

[The Great Rift Valley. Parasitological results] Nozais JP. **Bull Soc Pathol Exot Filiales** 1985;78(2):256-63 (Eng. Abstr.) **(Fre)**

[Recurrent infectious diseases and AIDS] di Nola F. **Minerva Med** 1984 Dec 15;75(47-48):2847-8 **(Ita)**

[Evaluation of incidence of parasitosis in Fukui Prefecture, Japan] Takada N, et al. **Kansenshogaku Zasshi** 1984 Jul; 58(7):596-602 (Eng. Abstr.) **(Jpn)**

[Importance of the theory of natural foci in parasitic and infectious diseases in Georgia] Maruashvili GM. **Med Parazitol (Mosk)** 1984 Jul-Aug;(4):34-6 (23 ref.) **(Rus)**

[Epidemiological characteristics of Angola] Khot'ko NI. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Feb;(2):81-8 (Eng. Abstr.) **(Rus)**

[Tropical endemic parasitoses: yesterday, today and--probably tomorrow] Lepeš T. **Med Pregl** 1985; 38(1-2):7-14 **(Scr)**

[Human parasitosis in Mexico] Carrada Bravo T. **Bol Med Hosp Infant Mex** 1985 Jan;42(1):73-8 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Population dynamics of killing parasites which reproduce in the host. Hadeler KP, et al. **J Math Biol** 1984;21(1):45-65

PREVENTION & CONTROL

Technology, funds promise new era in parasitology [news] Gunby P. **JAMA** 1984 Dec 14;252(22):3081, 3085

The role of glucan in the prevention and modification of microparasitic diseases. Di Luzio NR, et al. **Prog Clin Biol Res** 1984;161:443-56 (44 ref.)

Vaccines against parasitic diseases [letter] East IJ, et al. **Science** 1985 Feb 15;227(4688):704

Theoretical and empirical issues in benefit identification, measurement and valuation related to parasitic disease control in poor countries. Dunlop DW. **Soc Sci Med** 1984; 19(10):1031-7

Cooperation between developing countries and the pharmaceutical industry in the control of parasitic diseases: a proposal for a practical approach. Van Belle N. **Soc Sci Med** 1984;19(10):1109-11

[Goals and perspectives of scientific research in medical parasitology in developing countries] Thai DD. **Bull Acad Natl Med (Paris)** 1984 Jan-Feb;168(1-2):262-6 **(Fre)**

PSYCHOLOGY

Delusions of infestation treated with pimozide: a follow-up study. Lindskov R, et al. **Acta Derm Venereol (Stockh)** 1985; 65(3):267-70

Delusions of parasitosis: differential diagnosis and treatment. Johnson GC, et al. **South Med J** 1985 Aug;78(8):914-8

RADIOGRAPHY

Diagnostic imaging in parasitic infections. Palmer PE. **Pediatr Clin North Am** 1985 Aug;32(4):1019-40 (46 ref.)

TRANSMISSION

Transfusion associated parasitic infections. Bruce-Chwatt LJ. **Prog Clin Biol Res** 1985;182:101-25 (72 ref.)

The behaviour of Homo sapiens, the forgotten factor in the transmission of tropical disease. Gillett JD. **Trans R Soc Trop Med Hyg** 1985;79(1):12-20

[Parasitoses of food origin in Tunisia] Kennou MF. **Arch Inst Pasteur Tunis** 1983 Dec;60(3-4):393-407 (Eng. Abstr.) **(Fre)**

[Development of views on the natural focal nature of diseases and the current problems with this concept] Sokolov VE, et al. **Izv Akad Nauk SSSR [Biol]** 1984 Jul-Aug;(4):485-95 (Eng. Abstr.) **(Rus)**

VETERINARY

Research needs and priorities for swine internal parasites in the United States. **Am J Vet Res** 1985 May;46(5):1029-33

Effect of a once-daily suckling program on gastrointestinal parasitism in Angus cows and calves. Ciordia H, et al. **Am J Vet Res** 1985 Mar;46(3):566-9

Parasites, diseases, and health status of sympatric populations of fallow deer and white-tailed deer in Kentucky. Davidson WR, et al. **J Wildl Dis** 1985 Apr;21(2):153-9

Haematology and pathology of captive southern grasshopper mice (Onychomys torridus). Swindle MM, et al. **Lab Anim** 1985 Jul;19(3):195-9

Infectious diseases of nondomestic cats. Quesenberry KE. **Vet Clin North Am [Small Anim Pract]** 1984 Sep; 14(5):1089-106 (85 ref.)

[Parasites in feed] Bürger HJ. **DTW** 1985 Jun 7;92(6):218-20 **(Ger)**

[Infection of bustards (Otis tarda L.) with endoparasites under breeding conditions] Kozakiewicz B. **Wiad Parazytol** 1984; 30(4):489-92 (Eng. Abstr.) **(Pol)**

[Role of feral fishes in the transmission of parasitic infections among breeding fishes] Pastuszko J, et al. **Wiad Parazytol** 1984;30(2):223-7 (Eng. Abstr.) **(Pol)**

[Ecology and epizootiology] Korenberg EI. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Mar;(3):99-103 (47 ref.) **(Rus)**

PARASITOLOGY

Points in question. The terminology of parasitology: the need for uniformity. Arme C. **Int J Parasitol** 1984 Dec; 14(6):539-40

The Henry Baldwin Ward Medal acceptance speech. Pappas PW. **J Parasitol** 1985 Apr;71(2):153-6

Profile of a successful hospital clinical parasitology laboratory. McQuay RM. **Mt Sinai J Med (NY)** 1985 May; 52(5):384-6

[Goals and perspectives of scientific research in medical parasitology in developing countries] Thai DD. **Bull Acad Natl Med (Paris)** 1984 Jan-Feb;168(1-2):262-6 **(Fre)**

ECONOMICS

Parasite research gets $17-million boost [news] Sun M. **Science** 1984 Nov 2;226(4674):521

EDUCATION

[Activities of the Ivano-Frankovsk district sanitary and epidemiological center with regard to advanced training of specialists in medical parasitology] Mikhaĭlenko TF, et al. **Med Parazitol (Mosk)** 1985 Mar-Apr;(2):89-90 **(Rus)**

HISTORY

Forty years of the development of Czechoslovak parasitology. Prokopič J. **Folia Parasitol (Praha)** 1985; 32(2):97-100

Presidential address. Parasitology: retrospect and prospect. Rausch RL. **J Parasitol** 1985 Apr;71(2):139-51

[Parasitologists in World War II 1941-1945] Iarotskiĭ LS. **Med Parazitol (Mosk)** 1985 May-Jun;(3):3-10 **(Rus)**

[50 years' work of the Rostov Research Institute of Medical Parasitology of the Ministry of Public Health of the RSFSR] Kochetkov AA, et al. **Med Parazitol (Mosk)** 1984 Nov-Dec;(6):59-66 (Eng. Abstr.) **(Rus)**

[History of parasitology in Leningrad] Aleksandrov DA. **Parazitologiia** 1984 Nov-Dec;18(6):489-94 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Growth and antigenic variation of Trypanosoma brucei, T. rhodesiense and T. gambiense in subcutaneous millipore chambers. Ballon-Landa G, et al. **Trans R Soc Trop Med Hyg** 1985;79(1):24-8

METHODS

In vitro cultivation of Trypanosoma congolense: the production of infective metacyclic trypanosomes in cultures initiated from cloned stocks. Gray MA, et al. **Acta Trop (Basel)** 1984 Dec;41(4):343-53

In vitro cultivation of Trypanosoma congolense: the production of infective forms from metacyclic trypanosomes cultured on bovine endothelial cell monolayers. Gray MA, et al. **Acta Trop (Basel)** 1985 Jun; 42(2):99-111

A new defined medium for cultivating Leishmania promastigotes. Melo NM, et al. **Acta Trop (Basel)** 1985 Jun; 42(2):137-41

Two simple media for biochemical experimentation with cultured procyclic Trypanosoma brucei. Seebeck T, et al. **Acta Trop (Basel)** 1985 Jun;42(2):127-36

An improved method of assaying for human erythrocyte invasion by Plasmodium falciparum. Shyamala V. **Ann Trop Med Parasitol** 1985 Jun;79(3):333-5

Cryopreservation of Schistosoma mansoni sporocysts. Cohen LM, et al. **J Parasitol** 1984 Aug;70(4):592

In vitro cultivation of Dipetalonema viteae third-stage larvae: effect of the gas phase. Franke ED, et al. **J Parasitol** 1984 Aug;70(4):493-8

Glass cover slip technique for studying in vitro interactions between Giardia trophozoites and host leukocytes by TEM, SEM, and light microscopy. Koester SK, et al. **J Parasitol** 1984 Jun;70(3):443-5

Evaluation of the transplantation method of adult brugia malayi into the jird, Meriones unguiculatus, for testing macrofilaricides. Sadanaga A, et al. **Jpn J Exp Med** 1984 Dec;54(6):275-7

A rapid method for testing in vivo the susceptibility of different strains of Trypanosoma cruzi to active chemotherapeutic agents. Filardi LS, et al. **Mem Inst Oswaldo Cruz** 1984 Apr-Jun;79(2):221-5

Methods of infesting sheep with gastro-intestinal nematodes after cryopreservation: dosing of larvae in gelatin capsules compared to dosing of larvae in water suspension. Van Wyk JA, et al. **Onderstepoort J Vet Res** 1984 Dec; 51(4):217-21

Fluorogenic substrate detection of viable intracellular and extracellular pathogenic protozoa. Jackson PR, et al. **Science** 1985 Jan 25;227(4685):435-8

Rapid evaluation of malaria parasite density and standardization of thick smear examination for epidemiological investigations. Trape JF. **Trans R Soc Trop Med Hyg** 1985;79(2):181-4

Isolation of Fasciola hepatica metacercariae by density gradients. Fry TR, et al. **Vet Parasitol** 1985 Jan;17(2):123-9

Retrieval of nematode larvae [letter] Kingsley CC, et al. **Vet Rec** 1984 Sep 29;115(13):334

Fractionation of Plasmodium chabaudi-infected erythrocytes into parasites and ghosts. Wunderlich F, et al. **Z Parasitenk**[illegible]85;71(4):545-51

[Detection of [illegible]anosoma cruzi by hemoculture in patients with chronic Chagas' disease] Basso B, et al. **Medicina (B Aires)** 1984;44(1):41-7 (Eng. Abstr.) **(Spa)**

[Examination of feces for the detection of parasites. A comparison of 2 methods] McClure E, et al. **Rev Med Panama** 1984 Sep;9(3):226-9 (Eng. Abstr.) **(Spa)**

TRENDS

The future of parasitology. Whitlock JH. **Cornell Vet** 1985 Jan;75(1):86-92

[Current clinical tasks in parasitocenology] Ozeretskovskaia NN. **Med Parazitol (Mosk)** 1984 Sep-Oct;(5):3-9 (55 ref.) (Eng. Abstr.) **(Rus)**

[Current status and problems in the development of parasitologic research] Kontrimavichus VL. **Parazitologiia** 1985 Mar-Apr;19(2):89-94 **(Rus)**

PARASYMPATHETIC BLOCKING AGENTS see **PARASYMPATHOLYTICS**

PARASYMPATHETIC GANGLIA see **GANGLIA, PARASYMPATHETIC**

PARASYMPATHETIC NERVOUS SYSTEM

[Autonomic cardiac neuropathy in patients with insulin-deficient diabetes mellitus] Vasiukova EA, et al. **Probl Endokrinol (Mosk)** 1985 Jan-Feb;31(1):9-14 (Eng. Abstr.) **(Rus)**

ANALYSIS

Levels of nerve growth factor and its mRNA in the central nervous system of the rat correlate with cholinergic innervation. Korsching S, et al. **EMBO J** 1985 Jun; 4(6):1389-93

ANATOMY & HISTOLOGY

The anatomy of the ferret paratracheal parasympathetic nerve-ganglion plexus. Coburn RF. **Exp Lung Res** 1984; 7(1):1-9

Localization of sympathetic postganglionic and parasympathetic preganglionic neurons which innervate different regions of the dog heart. Hopkins DA, et al. **J Comp Neurol** 1984 Oct 20;229(2):186-98

Confirmatory evidence for a direct parasympathetic pathway to internal eye structures. Parelman JJ, et al. **Trans Am Ophthalmol Soc** 1984;82:371-80

CYTOLOGY

Distribution of parasympathetic motoneurones in the oculomotor complex innervating the ciliary ganglion in the marmoset (Callithrix jacchus). Clarke RJ, et al. **Acta Anat (Basel)** 1985;121(1):53-8

Development of markers for cholinergic neurones in re-aggregate cultures of foetal rat whole brain in serum-containing and serum-free media: effects of triiodothyronine (T3). Atterwill CK, et al. **Br J Pharmacol** 1984 Sep;83(1):89-102

Cholinergic neurons in the nucleus tegmenti pedunculopontinus pars compacta and the caudoputamen of the rat: a light and electron microscopic immunohistochemical study using a monoclonal antibody to choline acetyltransferase. Sugimoto T, et al. **Neurosci Lett** 1984 Sep 28;51(1):113-7

DRUG EFFECTS

Poor vasoconstrictor response to adrenergic stimulation in the arteriovenous anastomoses present in the carotid vascular bed of young Yorkshire pigs. Verdouw PD, et al. **Arch Int Pharmacodyn Ther** 1984 Nov;272(1):56-70

Modulatory activity of GABAB receptors on cholinergic tone in guinea-pig distal colon. Giotti A, et al. **Br J Pharmacol** 1985 Apr;84(4):883-95

Amitriptyline and imipramine inhibit the release of acetylcholine from parasympathetic nerve terminals in the rat iris. Richardson JS, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):857-9

Antipsychotic drugs depress acetylcholine release in the Torpedo electric organ, a purely cholinergic system. Schaller-Clostre F, et al. **Eur J Pharmacol** 1985 May 28; 112(1):27-37

The immediate and short-term effects of corticosteroids on cholinergic hyperreactivity and pulmonary function in subjects with well-controlled asthma. Mattoli S, et al. **J Allergy Clin Immunol** 1985 Aug;76(2 Pt 1):214-22

Modulation of cholinergic neurotransmission in airways by enkephalin. Russell JA, et al. **J Appl Physiol** 1985 Mar; 58(3):853-8

Dissociation between the excitatory and 'excitotoxic' effects of quinolinic acid analogs on the striatal cholinergic interneuron. Lehmann J, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):873-82

Pantoyl-gamma-aminobutyric acid facilitates cholinergic function in the central nervous system. Nakahiro M, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):501-6

Trophic, biochemical and functional changes in submaxillary glands and pancreas induced by chronic alcohol feeding as indirect effect mediated by parasympathetic autonomic centers. Perec CJ, et al. **Mt Sinai J Med (NY)** 1984 Dec; 51(6):664-74

Pharmacological manipulations of the substantia innominata-cortical cholinergic pathway. Wenk GL. **Neurosci Lett** 1984 Sep 28;51(1):99-103

Pulmonary responsiveness to methacholine and disodium hexachloroplatinate (Na2PtCl6) aerosols in cynomolgus monkeys (Macaca fascicularis). Biagini RE, et al. **Toxicol Appl Pharmacol** 1985 Mar 30;78(1):139-46

EMBRYOLOGY

The role of cholinergic nerves in development. McBride WG. **Prog Clin Biol Res** 1985;163C:127-30

ENZYMOLOGY

An assessment of comparative acute toxicity of diisopropyl-fluorophosphate, tabun, sarin, and soman in relation to cholinergic and GABAergic enzyme activities in rats. Sivam SP, et al. **Fundam Appl Toxicol** 1984 Aug; 4(4):531-8

INJURIES

Trigger activation of the paradoxical salivatory response to atropine in the parasympathetically denervated human parotid gland. Levin SL. **Hum Neurobiol** 1985;4(2):115-21

METABOLISM

Presynaptic modulation of acetylcholine release from cardiac parasympathetic neurons. Wetzel GT, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H33-9

Spinal parasympathetic enkephalin fibers: patterns and

NEWARK PUBLIC LIBRARY

projections. Romagnano MA, et al. **Brain Res** 1985 May 27;335(1):174–81

Vasoactive intestinal peptide which coexists with acetylcholine decreases acetylcholine turnover in mouse salivary glands. Eva C, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):670–4

Effect of the parasympathetic system on secretion of parathyroid hormone. Williams GA, et al. **Metabolism** 1985 Jul;34(7):612–5

[Peptidergic and sensory mechanisms, parasympathetic and sympathetic nerves] Lundberg JM, et al. **Lakartidningen** 1984 Dec 26;81(52):4939–42 **(Swe)**

PATHOLOGY

Evidence for cholinergic neurites in senile plaques. Kitt CA, et al. **Science** 1984 Dec 21;226(4681):1443–5

PHYSIOLOGY

Functional evidence for sprouting or decentralized parasympathetic neurons in rat urinary bladder. Ekström J, et al. **Acta Physiol Scand** 1984 Sep;122(1):7–15

Effects of atropine or high frequency burst excitation on the composition of parasympathetic rat parotid saliva. Ekström J, et al. **Acta Physiol Scand** 1984 Nov;122(3):409–14

Ca2+ metabolism during cholinergic stimulation of acid secretion. Muallem S, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):G216–28

Selective parasympathectomy of automatic and conductile tissues of the canine heart. Randall WC, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H61–8

Modulation of gallbladder motility by intrinsic cholinergic neurons. Yau WM, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):G662–6

New method for assessing cardiac parasympathetic activity using 24 hour electrocardiograms. Ewing DJ, et al. **Br Heart J** 1984 Oct;52(4):396–402

Effect of chemical destruction of adrenergic neurones on some cholinergic mechanisms in adult rat sympathetic ganglia. Collier B, et al. **Br J Pharmacol** 1984 Aug; 82(4):827–32

Prejunctional dopamine receptors modulate twitch responses to parasympathetic nerve stimulation in the rabbit isolated rectococcygeus muscle. Drew GM, et al. **Br J Pharmacol** 1984 Dec;83(4):871–81

Muscarinic inhibitory receptors in pulmonary parasympathetic nerves in the guinea-pig. Fryer AD, et al. **Br J Pharmacol** 1984 Dec;83(4):973–8

Temporal changes in he sympathetic-parasympathetic interactions that occur in the perfused canine atrium. Furukawa Y, et al. **Circ Res** 1984 Dec;55(6):835–41

Changes in cholinergic parameters associated with failure of conotruncal septation in embryonic chick hearts after neural crest ablation. Kirby ML, et al. **Circ Res** 1985 Mar; 56(3):392–401

Altered responsiveness to parasympathetic activation of submaxillary salivary gland in the heat-acclimated rat. Horowitz M, et al. **Comp Biochem Physiol [A]** 1985; 80(1):57–60

Role of calcium in cholinergic stimulation of lacrimal gland protein secretion. Dartt DA, et al. **Curr Eye Res** 1985 Apr; 4(4):475–83

Involvement of the cholinergic system in insulin and glucagon oversecretion of genetic preobesity. Rohner-Jeanrenaud F, et al. **Endocrinology** 1985 Feb; 116(2):830–4

Cholinergic mechanism of acid secretion in the dog: an in vivo and in vitro comparison. Gerber JG, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):373–80

Changes in the cholinergic system of rat sciatic nerve and skeletal muscle following suspension-induced disuse. Gupta RC, et al. **Exp Neurol** 1985 Sep;89(3):622–33

Cholinergic regulation of neocortical spindling in DBA/2 mice. Ryan LJ. **Exp Neurol** 1985 Aug;89(2):372–81

Interruption of cholinergic afferent pathways to the amygdala failed to alter electrical kindling. Walker JE, et al. **Exp Neurol** 1985 Jun;88(3):742–7

Parasympathetic control of coronary blood flow. Feigl EO. **Fed Proc** 1984 Nov;43(14):2881–3

Brain cholinergic involvement in the rapid development of tolerance to the hypothermic action of ethanol. Soliman KF, et al. **Gen Pharmacol** 1985;16(2):137–40

The relationship between tonic accommodation and ciliary muscle innervation. Gilmartin B, et al. **Invest Ophthalmol Vis Sci** 1985 Jul;26(7):1024–8

Failure of cholinergic blockade to prevent bronchodilatation following deep inspiration. Day A, et al. **J Appl Physiol** 1985 May;58(5):1449–52

Augmentation of parasympathetic contraction in tracheal and bronchial airways by PGF2 alpha in situ. Leff AR, et al. **J Appl Physiol** 1985 May;58(5):1558–64

Inspiratory rhythm in airway smooth muscle tone. Mitchell RA, et al. **J Appl Physiol** 1985 Mar;58(3):911–20

Modulation of pulmonary stretch receptors and airway resistance by parasympathetic efferents. Richardson CA, et al. **J Appl Physiol** 1984 Dec;57(6):1842–9

Metabolic and feeding patterns: role of sympathetic and parasympathetic efferent pathways. Le Magnen J. **J Auton Nerv Syst** 1984 May-Jun;10(3–4):325–35 (38 ref.)

Effect of selective parasympathetic denervation on the daily rhythm of tyrosine transaminase in the rat liver. Magni F, et al. **J Auton Nerv Syst** 1985 Jul;13(3):245–54

Cardiovascular control by cholinergic mechanisms in the rostral ventrolateral medulla. Willette RN, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):457–63

Three serial neurones in the innervation of the colon by the sacral parasympathetic nerve of the dog. Fukai K, et al. **J Physiol (Lond)** 1985 May;362:69–78

The effect of parasympathetic decentralization on the feline urinary bladder. Malkowicz SB, et al. **J Urol** 1985 Mar; 133(3):521–3

Adrenergic and non-adrenergic contraction of isolated urethral muscle from rabbit and man. Mattiasson A, et al. **J Urol** 1985 Feb;133(2):298–303

Parasympathetic control of resting heart rate: relationship to aerobic power. Kenney WL. **Med Sci Sports Exerc** 1985 Aug;17(4):451–5

Correlations between the effects of CNS stimulants on memory processes and open field behavior of rats: the importance of brain cholinergic activity. Yonkov DI. **Methods Find Exp Clin Pharmacol** 1985 Mar;7(3):113–8

Cholinergic control of gastric acid secretion. Pagani F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar; 329(1):45–9

Corelease of vasoactive intestinal polypeptide and peptide histidine isoleucine in relation to atropine-resistant vasodilation in cat submandibular salivary gland. Lundberg JM, et al. **Neurosci Lett** 1984 Nov 23;52(1–2):37–42

Age-related protective role of parasympathetic nervous system against hypercalcaemia-induced ventricular arrhythmias in the rat. Grimaldi G, et al. **Pediatr Pharmacol (New York)** 1982;2(4):335–40

The parasympathetic neuroeffector junction of the heart. Löffelholz K, et al. **Pharmacol Rev** 1985 Mar;37(1):1–24 (344 ref.)

The cholinergic influences on aggression in isolated mice. Herbut M, et al. **Pol J Pharmacol Pharm** 1985 Jan-Feb; 37(1):1–10

Differential inotropic and dromotropic effects of cholinergic stimulation: competition with adrenergic stimulation. Priola DV, et al. **Proc West Pharmacol Soc** 1984;27:209–11

Bombesin-induced stimulation of cardiac parasympathetic innervation. Fisher LA, et al. **Regul Pept** 1984 Jul; 8(4):335–43

Irregularities of R-R interval cycle length during 24 hour ECG tape recording. A new method for assessing cardiac parasympathetic activity. Ewing DJ, et al. **Scott Med J** 1984 Jan;29(1):30–1

Rhythmic activity in pelvic efferents to the bladder: an experimental study in the cat with reference to the clinical condition 'unstable bladder'. Lindström S, et al. **Urol Int** 1984;39(5):272–9

[Importance of the cholinergic nervous system in the postprandial secretion of insulin in dogs] Chenon D, et al. **C R Soc Biol (Paris)** 1984;178(3):307–12 (Eng. Abstr.) **(Fre)**

[Mechanism of action of sympathetic and parasympathetic neuromediators at the level of the heart cell: use of photosensitive molecules] Nargeot J. **J Pharmacol** 1985;16 Suppl 1:89–118 (95 ref.) (Eng. Abstr.) **(Fre)**

[Relationship between the sympathetic and parasympathetic nervous systems] Ninomiya I, et al. **Nippon Rinsho** 1985 May;43(5):894–901 (18 ref.) **(Jpn)**

[Physiology of the autonomic nervous system––nervous control of metabolic function] Niijima A. **No To Shinkei** 1985 Jan;37(1):19–29 (61 ref.) **(Jpn)**

[Participation of the cholinergic nervous mechanism in regulating adequate blood supply to the rabbit cerebral cortex] Gordeladze ZT. **Biull Eksp Biol Med** 1985 Mar; 99(3):261–3 (Eng. Abstr.) **(Rus)**

[Relation between intracardiac reflex effects on the rate of atrioventricular conduction and parameters of neural pathway stimulation] Kopylova GN, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1512–7 (Eng. Abstr.) **(Rus)**

[Interrelations between sympathetic and parasympathetic inputs into ganglia of the metasympathetic nervous system] Pozdrachev AD. **Fiziol Zh SSSR** 1984 Oct;70(10):1402–8 (34 ref.) (Eng. Abstr.) **(Rus)**

[Chronotropic effects on the heart during the interaction of parasympathetic and sympathetic regulatory influences] Sokolova NA, et al. **Fiziol Zh SSSR** 1985 Apr;71(4):516–22 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Atropine and a hypertensive crisis [letter] Sesoko S, et al. **Ann Intern Med** 1984 Nov;101(5):720

The 12th J. A. F. Stevenson memorial lecture. Aging, Alzheimer's disease, and the cholinergic system. McGeer PL. **Can J Physiol Pharmacol** 1984 Jul;62(7):741–54 (161 ref.)

Reflex heart rate control in asthma. Evidence of parasympathetic overactivity. Kallenbach JM, et al. **Chest** 1985 May;87(5):644–8

Evidence of early impairment of parasympathetic reflexes in insulin dependent diabetics without autonomic symptoms. Bellavere F, et al. **Diabete Metab** 1985 Jun; 11(3):152–6

Potential types of response of the parasympathetic denervated human parotid gland to cholinergic ligands. Levin SL. **J Auton Nerv Syst** 1985 Jun;13(2):161–70

The growth hormone response to thyrotropin-releasing hormone in insulin-dependent diabetics involves a cholinergic mechanism. Chiodera P, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):794–7

Role of parasympathetic nervous system in glucagon response to insulin-induced hypoglycemia in normal and diabetic rats. Patel DG. **Metabolism** 1984 Dec; 33(12):1123–7

Sudden infant death syndrome: parasympathetic nervous system versus infant seat baby nest. Klutzow FW, et al. **Milit Med** 1984 Sep;149(9):502–5

Role of the parasympathetic system in airway obstruction due to emphysema [letter] Kneussl M, et al. **N Engl J Med** 1984 Nov 22;311(21):1379–80

[Neurotransmitter anomalies in Alzheimer's disease] Berger B. **Rev Neurol (Paris)** 1984;140(10):539–52 (158 ref.) (Eng. Abstr.) **(Fre)**

[Role of the autonomic nervous system in the pathogenesis of vasospastic angina––neurogenic humoral regulators and ECG R-R interval variations] Suematsu M, et al. **Kokyu To Junkan** 1984 Nov;32(11):1163–6 **(Jpn)**

ULTRASTRUCTURE

Morphology and molecular function of the cholinergic synapse. Waser PG. **Eur J Anaesthesiol** 1985 Jun; 2(2):105–19 (18 ref.)

Direct visualization by scanning electron microscopy of the preganglionic innervation and synapses on the true surfaces of neurons in the frog heart. Baluk P, et al. **Neurosci Lett** 1984 Oct 12;51(2):265–70

Innervation of the conjunctiva. Ruskell GL. **Trans Ophthalmol Soc UK** 1985;104 (Pt 4):390–5

PARASYMPATHOLYTICS

see related

ANTIPARKINSON AGENTS

Mechanism of flavoxate antispasmodic activity comparative in vitro studies. Cazzulani P, et al. **Arch Int Pharmacodyn Ther** 1985 Apr;274(2):189–200

Antispasmodic effects of an alkaloid extracted from Phyllanthus sellowianus: a comparative study with papaverine. Calixto JB, et al. **Braz J Med Biol Res** 1984; 17(3–4):313–21

The mechanism of neuroleptic withdrawal. Eppel AB, et al. **Can J Psychiatry** 1984 Oct;29(6):508–9

Comparison of antispasmodic effect of synthetic lysolecithins with various fatty acid moieties on guinea pig ileum. Tsukatani H, et al. **J Pharmacobiodyn** 1984 Jun;7(6):400–6

Self-cancellation of drug properties as a mode of organ selectivity: the antimuscarinic effects of ambenonium. Kenakin TP, et al. **J Pharmacol Exp Ther** 1985 Mar; 232(3):732–40

Anticholinergic potency of psychoactive drugs in human and rat cerebral cortex and striatum. Danielsson E, et al. **Life Sci** 1985 Apr 15;36(15):1451–7

Mechanism of presynaptic inhibition of cholinergic transmission in guinea-pig ileum by adenine nucleotides. Paton DM, et al. **Methods Find Exp Clin Pharmacol** 1985 Feb;7(2):65–8

Studies on the Taiwan folk medicine; III. A smooth muscle relaxant from Onychium siliculosum, onitin. Ho ST, et al. **Planta Med** 1985 Apr;(2):148–50

Synthesis of perhydro-1,2,5-dithiazepine derivatives of potential pharmacological activity. Strzelczyk M. **Pol J Pharmacol Pharm** 1984 Sep-Oct;36(5):473–84

Heart rate variation in patients treated with antidepressants. An index of anticholinergic effects? Jakobsen J, et al. **Psychopharmacology (Berlin)** 1984;84(4):544–8

[Spasmolytic effects of isocorydine on the isolated gallbladder and Oddi's sphincter in vitro] Chen ZH, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):45–8 (Eng. Abstr.) **(Chi)**

[Glycopyrrolate (Rubinol), an new substance with anticholinergic action (letter)] Hohmann G. **Anaesthesist** 1984 Aug;33(8):387–8 **(Ger)**

[Spasmolytic effect of isoasaron free calamus] Keller K, et al. **Planta Med** 1985 Feb;(1):6–9 (Eng. Abstr.) **(Ger)**

[Pharmacological properties of quaternary atropinium derivatives] Sugai S, et al. **Yakugaku Zasshi** 1985 Feb; 105(2):183–7 (Eng. Abstr.) **(Jpn)**

[Biochemical studies on muscarinic cholinergic receptors of the rat brain: specific labeling of this protein using the photoaffinity method] Moreno-Yanes JA, et al. **Acta Cient Venez** 1984;35(1):48–57 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Antidotal measures against poisoning with trichlorfon (organophosphorous pesticide) in dogs. Ramesh S, et al. **Indian J Med Res** 1984 Sep;80:355–9

Examination of the pain relieving-effect of intra-arterial No-Spa treatment of coxarthrosis. Barta O, et al. **Ther Hung** 1982;30(2):79–82

Intra-arterial use of No-Spa+lidocaine in coxarthrosis. Tantó Z, et al. **Ther Hung** 1982;30(3):134–6

ADVERSE EFFECTS

Mental impairment in Parkinson's disease. The role of anticholinergic drugs. Meco G, et al. **Acta Psychiatr Belg** 1984 Jul-Aug;84(4):325–35

Disopyramide-induced urinary retention [letter] Alves LE, et al. **Arch Intern Med** 1984 Oct;144(10):2099

Systemic atropine and glaucoma. Greenstein SH, et al. **Bull NY Acad Med** 1984 Dec;60(10):961–8 (16 ref.)

Use and abuse of anticholinergic drugs in psychiatry. Gelenberg AJ. **Hillside J Clin Psychiatry** 1984;6(2):148-55 (19 ref.)

Delayed gastric emptying with dothiepin. Woodhouse KW, et al. **Hum Toxicol** 1985 Jan;4(1):67-70

Psychiatric reactions produced by respiratory drugs. Hall RC, et al. **Psychosomatics** 1985 Jul;26(7):605-8, 615-6 (66 ref.)

Metabolic consequences of reduced gastric acidity. Walan A, et al. **Scand J Gastroenterol [Suppl]** 1985;111:24-30

[Does the biological availability of acetylcholine assure intellectual functioning? Risks of anticholinergics] Vinař O. **Cas Lek Cesk** 1984 Oct 12;123(40-41):1246-7 **(Cze)**

[Long-term therapy of the Parkinson syndrome] Ludin HP. **Schweiz Med Wochenschr** 1984 Aug 18;114(33):1131-6 (Eng. Abstr.) **(Ger)**

ANALYSIS

Stability study of HI-6 dichloride in various anticholinergic formulations. Brown ND, et al. **J Chromatogr** 1984 Dec 19;315:389-94

[Studies on PVC membrane anisodamine selective electrodes] Shen GL, et al. **Yao Hsueh Hsueh Pao** 1985 Feb;20(2):151-4 (Eng. Abstr.) **(Chi)**

BLOOD

Anticholinergic activity in the serum of patients receiving maintenance amitriptyline or doxepin therapy. Aaltonen L, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan; 56(1):75-80

Screening for cognitive toxicity of anticholinergic drugs. Katz IR, et al. **J Clin Psychiatry** 1985 Aug;46(8):323-6

A new method for high-performance liquid chromatographic determination of drotaverine in plasma. Mezei J, et al. **J Pharm Sci** 1984 Oct;73(10):1489-91

CHEMICAL SYNTHESIS

Homolytic substitution and carbenoidic reactions in the preparation of benzimidazole derivatives of pharmaceutical interest: synthesis and properties of (2-cycloalkyl-1-benzimidazolyl)-N,N-diethylacetamides. Pellicciari R, et al. **Arch Pharm (Weinheim)** 1985 May; 318(5):393-9

Cyclovinylogues of some antimuscarinic drugs. Valenti P, et al. **Arch Pharm (Weinheim)** 1985 Mar;318(3):222-4

Synthesis of stereoisomeric bornane and norbornane derivatives with spasmolytic activity. Vassilev V, et al. **Arch Pharm (Weinheim)** 1984 Nov;317(11):967-9

Spasmolytic activity of some 4-methylumbelliferone derivatives. Stacchino C, et al. **Boll Chim Farm** 1983 Mar; 122(3):158-60

Structure-activity relationship of 3- and 4-acyloxy-1-(1,3-dioxolan-4-ylmethyl)piperidine derivatives. Yoshida S, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):818-22

Synthesis and antiarrhythmic and parasympatholytic properties of substituted phenols. 2. Amides. Stout DM, et al. **J Med Chem** 1984 Oct;27(10):1347-50

Synthesis and antiarrhythmic and parasympatholytic properties of substituted phenols. 3. Modifications to the linkage region (region 3). Stout DM, et al. **J Med Chem** 1985 Mar;28(3):295-8

Synthesis and bronchodilator activity of endo-2-(2-cyclopentyl-2-hydroxy-2-phenyl)acetoxy-7-m azabicyclo-[2.2.1]heptane methobromide, a potent and long-acting anticholinergic agent. Pfister JR, et al. **J Pharm Sci** 1985 Feb;74(2):208-10

[Anticholinergics: synthesis of 2',2'-diphenylethyl azacycloalkane derivatives] Yun LH, et al. **Yao Hsueh Hsueh Pao** 1984 Sep;19(9):671-5 (Eng. Abstr.) **(Chi)**

[Synthesis of anticholinergically active N-alkylnorscopolamines and their quaternary salts with special consideration of the bronchospasmolytic (-)-N-ethylnorscopolamine methobromide (Ba 253 BR)] Banholzer VR, et al. **Arzneimittelforsch** 1985;35(1A):217-28 (Eng. Abstr.) **(Ger)**

[3-Benzyl-1,2-benzoisothiazoles: spasmolytic properties of the aminoalkyl derivatives] Plazzi PV, et al. **Farmaco [Sci]** 1984 Aug;39(8):649-59 (Eng. Abstr.) **(Ita)**

[Search for anticholinergic compounds. XLII. Synthesis of 3-(2-aminoethyloamino)-8-butylo-8-aza-bicyclo[3.2.1]oct derivatives] Woliński J, et al. **Acta Pol Pharm** 1984; 41(1):25-30 (Eng. Abstr.) **(Pol)**

METABOLISM

Comparison of the affinity of secoverine for some muscarinic receptors. Choo LK, et al. **Clin Exp Pharmacol Physiol** 1985 Jan-Feb;12(1):95-8

Analysis of ligand binding to receptors by competition kinetics. Application to muscarinic antagonists in rat brain cortex. Schreiber G, et al. **J Biol Chem** 1985 Jul 25; 260(15):8789-94

Heterogeneity of binding of muscarinic receptor antagonists in rat brain homogenates. Lee JH, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):707-14

Characterization of [3H]pirenzepine binding to muscarinic cholinergic receptors solubilized from rat brain. Luthin GR, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):37-44

[3H]Pirenzepine and [3H]quinuclidinyl benzilate binding to brain muscarinic cholinergic receptors. Differences in measured receptor density are not explained by differences in receptor isomerization. Luthin GR, et al. **Mol Pharmacol** 1984 Sep;26(2):164-9

[Biochemical studies with oxitropium bromide. 2. Pharmacokinetics and metabolism in humans] Wahl D, et al. **Arzneimittelforsch** 1985;35(1A):266-72 (Eng. Abstr.) **(Ger)**

[Biochemical studies with oxitropium bromide. 1. Pharmacokinetics and metabolism in the rat and dog] Wahl D, et al. **Arzneimittelforsch** 1985;35(1A):255-65 (Eng. Abstr.) **(Ger)**

[The adsorption of cationic amphiphilic drugs in antacids and adsorbents. 4. Adsorption of spasmolytics in relation to their colloid chemical properties] Thoma K, et al. **Pharm Acta Helv** 1985;60(3):66-70 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Comparative study of the cytoprotective effects of anticholinergic agents on the gastric mucosal lesions produced by intragastric administration of 0.6 M HCl in rats. Morón F, et al. **Acta Physiol Hung** 1984; 64(3-4):247-52

Influence of antimuscarinics on alpha-adrenoceptors in the female rabbit urethra. Larsson B, et al. **Acta Physiol Scand** 1984 Apr;120(4):537-42

Relief of myocardial ischemia pain with a gastrointestinal cocktail. Servi RJ, et al. **Am J Emerg Med** 1985 May; 3(3):208-9

Influence of 'selective' antimuscarinic agents on gastric acid secretion and motility. Subissi A, et al. **Arch Int Pharmacodyn Ther** 1985 Apr;274(2):313-9

Cimetropium: characterization of antimuscarinic and spasmolytic properties. Schiavone A, et al. **Arzneimittelforschung** 1985;35(5):796-9

Quaternary forms of classical muscarinic antagonists distinguish subpopulations of muscarinic receptors: correlation with gallamine-defined subpopulations. Ellis J, et al. **Biochem Biophys Res Commun** 1985 Feb 15; 126(3):1242-50

Comparative effects of aprophen, atropine and benactyzine on central and peripheral cholinoceptors and on acetylcholinesterase. Dawson RM, et al. **Biochem Pharmacol** 1985 May 1;34(9):1577-9

Aprophen: a substrate and inhibitor of butyrylcholinesterase and carboxylesterases. Rush RS, et al. **Biochem Pharmacol** 1985 Jun 15;34(12):2063-8

Chronotropic and dromotropic effects of atropine and hyoscine methobromide in unanaesthetized dogs. Kantelip JP, et al. **Br J Anaesth** 1985 Feb;57(2):214-9

The effect of secoverine hydrochloride on stimulated sigmoid motility: a double-blind, placebo controlled cross-over study in irritable bowel syndrome. Ehsanullah M, et al. **Br J Clin Pharmacol** 1985 Mar;19(3):301-5

Determination of the muscarinic receptor subtype mediating vasodilatation. Eglen RM, et al. **Br J Pharmacol** 1985 Jan; 84(1):3-5

A study of the cholinolytic actions of strychnine using the technique of concentration jump relaxation analysis. Slater NT, et al. **Cell Mol Neurobiol** 1984 Sep;4(3):263-71

Studies on papillary function and effect of prifinium bromide and other antispasmodics on motility of the papillary region (sphincter of Oddi) in humans. Kobayashi K, et al. **Clin Ther** 1985;7(2):154-63

Effects of Ca-antagonists and antispasmodic drugs on contraction by ACh in molluscan smooth muscle. Murakami H, et al. **Comp Biochem Physiol [C]** 1985; 80(1):167-73

Pharmacological evidence for selective inhibition of gastric acid secretion by telenzepine, a new antimuscarinic drug. Eltze M, et al. **Eur J Pharmacol** 1985 Jun 7;112(2):211-24

Comparison of affinities of muscarinic antagonists to pre- and postjunctional receptors in the guinea-pig ileum. Kilbinger H, et al. **Eur J Pharmacol** 1984 Aug 17; 103(3-4):313-20

Differential effects of metoclopramide and zetidoline on gastrointestinal motility. Lobbezoo MW, et al. **Eur J Pharmacol** 1985 Jan 22;108(2):105-12

Differential antagonism by dicyclomine, pirenzepine and secoverine at muscarinic receptor subtypes in the rat frontal cortex. Marchi M, et al. **Eur J Pharmacol** 1985 Jan 2; 107(2):287-8

Interaction of smooth muscle relaxant drugs with calmodulin and cyclic nucleotide phosphodiesterase. Ronca-Testoni S, et al. **Experientia** 1985 Jan 15;41(1):75-6

Quantitative structure-activity relationships in a set of antimuscarinic agents. Cappello B, et al. **Farmaco [Sci]** 1984 Dec;39(12):991-1007

Comparative inhibitory effects of pirenzepine and atropine on cholinergic stimulation of exocrine and endocrine rat pancreas. Otsuki M, et al. **Gastroenterology** 1985 Aug; 89(2):408-14

Effect of cholinergic agonists and antagonists on morphine withdrawal induced aversion to saccharin drinking in rats. Pillai NP, et al. **Indian J Exp Biol** 1984 Feb;22(2):113-4

Blockade of hp-GRF-40-induced GH release in normal men by a cholinergic muscarinic antagonist. Massara F, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):1025-6

Effects of benztropine mesylate on haloperidol-induced prolactin secretion and serum haloperidol levels in rats. Rosenberg JM, et al. **J Pharm Sci** 1984 Dec;73(12):1833-5

Use of gut cyclic motor activity to evaluate a stimulant (narcotic) and inhibitor (anticholinergic) of gastrointestinal-tract activity in the unanesthetized dog. Fox DA, et al. **J Pharmacol Methods** 1985 Apr;13(2):147-55

Eserine-induced hypertone of guinea pig distal colon in vivo: a new pharmacological procedure for testing smooth muscle relaxants. Maggi CA, et al. **J Pharmacol Methods** 1984 Sep;12(2):91-6

Rapid induction of supersensitivity to muscarinic antagonists-induced motor excitation by continuous stimulation of cholinergic receptors. Fernando JC, et al. **Life Sci** 1985 Sep 2;37(9):883-92

Tolerance to an anticholinergic agent is paralleled by increased binding to muscarinic receptors in rat brain and increased behavioral response to a centrally active cholinomimetic. Majocha R, et al. **Life Sci** 1984 Nov 26; 35(22):2247-55

The putative M1 muscarinic receptor does not regulate phosphoinositide hydrolysis. Studies with pirenzepine and McN-A343 in chick heart and astrocytoma cells. Brown JH, et al. **Mol Pharmacol** 1985 May;27(5):525-31

Pattern of presynaptic nerve activity can determine the type of neurotransmitter regulating a postsynaptic event. Ip NY, et al. **Nature** 1984 Oct 4-10;311(5985):472-4

Effect of pirenzepine on apomorphine-induced growth hormone secretion in man. Massara F, et al. **Panminerva Med** 1984 Jul-Sep;26(3):167-9

Effects of rociverine on the human ureter: in vivo and in vitro experimental study. Potenzoni D, et al. **Pharmacol Res Commun** 1984 Aug;16(8):765-74

Cholinergic agonist and antagonist interactions on the putative nicotinic cholinoceptor of motor neurons. Bierkamper GG, et al. **Proc West Pharmacol Soc** 1984; 27:353-6

Effect of ipratropium bromide on nasal mucociliary transport. Ohi M, et al. **Rhinology** 1984 Dec;22(4):241-6

Effects of nicotinic an muscarinic stimulation on calcium flux and catecholamine secretion in primary cultures of adrenal medullary cells. Watanabe J. **Tokushima J Exp Med** 1984 Dec;31(3-4):79-84

[Effect of anisodine and other cholinergic drugs on conditioned response of the hippocampal theta rhythm in rabbits] Han YF, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):166-70 (Eng. Abstr.) **(Chi)**

[Effects of glycolate esters on conditioned behavior] Mei ZT. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):1-3 (Eng. Abstr.) **(Chi)**

[Studies on the antiasthmatic action of ligustilide of dang-gui, Angelica sinensis (Oliv.) Diels] Tao JY, et al. **Yao Hsueh Hsueh Pao** 1984 Aug;19(8):561-5 (Eng. Abstr.) **(Chi)**

[Pharmacology of the bronchospasmolytic oxitropium bromide] Bauer VR. **Arzneimittelforsch** 1985;35(1A):435-40 (Eng. Abstr.) **(Ger)**

[Effects of sequential autonomic blockade on blood pressure and vascular resistance in patients with borderline hypertension] Tanaka S. **Fukuoka Igaku Zasshi** 1984 Jun; 75(6):341-55 (Eng. Abstr.) **(Jpn)**

[Effects of oxybutynin on the cardiovascular system in dogs] Misawa M, et al. **Nippon Yakurigaku Zasshi** 1984 Oct; 84(4):395-406 (Eng. Abstr.) **(Jpn)**

[Effect of agonists and antagonists of cholinergic M and N receptors on the GABA level and GAD activity of the rat cerebellum] Sieklucka-Dziuba M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:293-300 (Eng. Abstr.) **(Pol)**

[Effect of agonists and antagonists of cholinergic N receptors on the GABA level and GAD activity of the rat hypothalamus] Sieklucka-Dziuba M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:301-7 (Eng. Abstr.) **(Pol)**

[Comparative sensitivity of the m-cholinoreceptors in various sites to cholinotropic agents] Angelova LA. **Farmakol Toksikol** 1985 Mar-Apr;48(2):115-20 **(Rus)**

[Comparative study of the effect of 3 M-cholinergic blockaders on memory and motor activity in rats] Vinogradov VV, et al. **Farmakol Toksikol** 1984 Jul-Aug; 47(4):36-40 (Eng. Abstr.) **(Rus)**

[Spasmolytic and anti-inflammatory activity of 8-hydroxyquinolines] Zaks AS, et al. **Farmakol Toksikol** 1984 Sep-Oct;47(5):44-7 (Eng. Abstr.) **(Rus)**

POISONING

Cyclobenzaprine overdosage [letter] Ambre JJ. **Ann Intern Med** 1985 Apr;102(4):559-60

THERAPEUTIC USE

Pridinolum mesylate and neuroleptic malignant syndrome [letter] Giordani L, et al. **Am J Psychiatry** 1985 Mar; 142(3):389-90

Hysterosalpingography. II. The efficacy of glucagon as a spasmolytic in overcoming tubal spasm during hysterosalpingography. Anandakumar C, et al. **Asia Oceania J Obstet Gynaecol** 1985 Jun;11(2):215-7

Anticholinergic drugs in the treatment of airways disease. Mann JS, et al. **Br J Dis Chest** 1985 Jul;79(3):209-28 (166 ref.)

Anticholinergics, cromolyn, and other occasionally useful drugs. George RB, et al. **Clin Chest Med** 1984 Dec; 5(4):685-93 (70 ref.)

Effects of atropine and pirenzepine on healing of gastric ulcer induced by mucosal excision in rats. Sano M, et al.

Clin Ther 1985;7(3):380-9

Pirenzepine: a selective anticholinergic for peptic ulcer. **Drug Ther Bull** 1985 Apr 22;23(8):29-31

Cimetidine vs a combination of antacid and anticholinergic for hospitalized patients with gastric ulcer. Okada M, et al. **Gastroenterol Jpn** 1985 Feb;20(1):1-5

Therapy of neurologic disorders in the elderly. Mancall EL, et al. **Hosp Pract [Off]** 1984 Oct;19(10):106E, 106I, 106L passim

Management of chronic colitis in the dog. Ridgway MD. **J Am Vet Med Assoc** 1984 Oct 1;185(7):804-6

Incidence, significance and remission of tubal spasm during attempted hysteroscopic tubal sterilization. Cooper JM, et al. **J Reprod Med** 1985 Jan;30(1):39-42

Anticholinergic antagonism of cholinesterase inhibitor lethality [letter] Janowsky D, et al. **Lancet** 1984 Sep 29; 2(8405):747

Moderate reduction of gastric acid secretion in the treatment of peptic ulcer disease. Jaup BH. **Scand J Gastroenterol [Suppl]** 1985;111:36-40

Anticholinergic agents in cicutoxin poisoning [letter] North DS, et al. **West J Med** 1985 Aug;143(2):250

[Observations on anisodamine treatment on the hypertensive syndrome in pregnancy and indexes of its microcirculatory rheology] Wang BP. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jul;19(3):145-7, 190 (Eng. Abstr.) **(Chi)**

[Observation on anisodamine treatment of the toxemia of pregnancy] Wang ZW. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Jul;19(3):142-4, 190 (Eng. Abstr.) **(Chi)**

[Comparative action of different platelet anti-aggregants in the postoperative period] Lapeyrère X, et al. **Cah Anesthesiol** 1984 Mar;32(2):123-5 **(Fre)**

[Treatment of the unstable bladder in children with the anticholinergic agent propiverin hydrochloride (mictonorm/mictonets)] Otto-Unger G. **Z Urol Nephrol** 1985 Mar;78(3):145-52 (Eng. Abstr.) **(Ger)**

[Treatment of the symptoms of urinary urge and urge incontinence with propiverin hydrochloride (Mictonorm)] Blau U, et al. **Zentralbl Gynakol** 1984;106(14):981-7 (Eng. Abstr.) **(Ger)**

[Therapeutic effect of pirenzepine in chronic superficial gastritis in patients with portal hypertension and liver cirrhosis] Caletti GC, et al. **Minerva Dietol Gastroenterol** 1985 Apr-Jun;31(2):253-7 (Eng. Abstr.) **(Ita)**

[Medical therapy of ureteral colic. A comparative clinical study of 3 spasmolytics, 1 of which is combined with an analgesic] Borelli A, et al. **Minerva Urol Nefrol** 1984 Jul-Sep;36(3):253-60 (Eng. Abstr.) **(Ita)**

[Effect of SA-504 subtle granules on renal or ureteral calculi] Matuda S, et al. **Hinyokika Kiyo** 1984 Jun;30(6):845-8 (Eng. Abstr.) **(Jpn)**

[Effect of neuroleptic, adreno- and cholinolytic agents on cerebral cortical function in edema] Iasnetsov VS, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):18-21 (Eng. Abstr.) **(Rus)**

[Comparative effectiveness of the local use of sodium nitrite, platyphylline and complamine in treating optic atrophy] Shpak NI, et al. **Oftalmol Zh** 1984;(5):294-7 (Eng. Abstr.) **(Rus)**

PARASYMPATHOMIMETICS

Evidence of parasympathetic activity of the angiotensin converting enzyme inhibitor, captopril, in normotensive man. Campbell BC, et al. **Clin Sci** 1985 Jan;68(1):49-56

Geometry of muscarinic agonists. Takemura S. **J Pharmacobiodyn** 1984 Jul;7(7):436-44

ADMINISTRATION & DOSAGE

Hypoglossal and phrenic responses to cholinergic agents applied to ventral medullary surface. Haxhiu MA, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R939-44

Cholinergic drug infusion and Alzheimer's disease [letter] Roberts DW, et al. **Neurosurgery** 1985 Apr;16(4):584

ADVERSE EFFECTS

Side effects of glaucoma medications. Cantor LB, et al. **Pa Med** 1985 Mar;88(3):58-60

ANTAGONISTS & INHIBITORS

Comparative inhibitory effects of pirenzepine and atropine on cholinergic stimulation of exocrine and endocrine rat pancreas. Otsuki M, et al. **Gastroenterology** 1985 Aug; 89(2):408-14

METABOLISM

Antibodies against preselected peptides to map functional sites on the acetylcholine receptor. Plümer R, et al. **FEBS Lett** 1984 Dec 10;178(2):204-8

Interaction of muscarinic drugs with their receptor. Takayanagi I, et al. **Gen Pharmacol** 1985;16(3):269-72

Rate constants of agonist binding to muscarinic receptors in rat brain medulla. Evaluation by competition kinetics. Schreiber G, et al. **J Biol Chem** 1985 Jul 25; 260(15):8795-802

Allosteric interactions between muscarinic agonist binding sites and effector sites demonstrated by the use of bisquaternary pyridinium oximes. Kloog Y, et al. **Life Sci** 1985 Jun 3;36(22):2127-36

PHARMACODYNAMICS

Modification of apomorphine-, physostigmine- and pilocarpine-induced yawning after long-term treatment with neuroleptic or cholinergic agents. Ushijima I, et al. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):180-8

The influence of cardiac cholinergic activation on the induction and maintenance of ventricular fibrillation. Amitzur G, et al. **Basic Res Cardiol** 1984 Nov-Dec; 79(6):690-7

Pertussis toxin blocks the inhibitory effect of muscarinic cholinergic agonists on cyclic AMP accumulation and prolactin secretion in GH3 anterior-pituitary tumour cells. Brown BL, et al. **Biochem J** 1984 Oct 1;223(1):145-9

Stimulation of phosphoinositide hydrolysis and inhibition of cyclic AMP formation by muscarinic agonists in developing chick heart. Orellana SA, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1321-4

Agonist mediated conformational changes of solubilized calf forebrain muscarinic acetylcholine receptors. Vanderheyden P, et al. **Biochem Pharmacol** 1984 Oct 1; 33(19):2981-7

Muscarinic subsensitivity without receptor change in monkey ciliary muscle. Bárány EH. **Br J Pharmacol** 1985 Jan; 84(1):193-8

Comparison of the action of cholinomimetics and pentagastrin on gastric secretion in dogs. Magee DF, et al. **Br J Pharmacol** 1985 Feb;84(2):347-55

Presynaptic actions of cholinergic agents upon the hair cell-afferent fiber synapse in the vestibular labyrinth of the frog. Bernard C, et al. **Brain Res** 1985 Jul 15; 338(2):225-36

The mechanism by which adenosine and cholinergic agents reduce contractility in rat myocardium. Correlation with cyclic adenosine monophosphate and receptor densities. Linden J, et al. **Circ Res** 1985 May;56(5):728-35

Pharmacology of theta phase shift in the hippocampal CA1 region of freely moving rats. Leung LS. **Electroencephalogr Clin Neurophysiol** 1984 Nov; 58(5):457-66

Gallamine binding to heart M2 cholinergic receptors does not antagonize cholinergic inhibition of adenylate cyclase in isolated plasma membrane. Jagadeesh G, et al. **Eur J Pharmacol** 1985 Feb 26;109(2):311-3

Effect of cholinergic agonists on muscle from rodent proximal and distal small intestine. Nowak TV, et al. **Gastroenterology** 1985 May;88(5 Pt 1):1118-25

Effect of cholinergic agonists and antagonists on morphine withdrawal induced aversion to saccharin drinking in rats. Pillai NP, et al. **Indian J Exp Biol** 1984 Feb;22(2):113-4

Effects of cholinergic drugs and 4-aminopyridine on cat ciliary muscle contractility. Zacharias J, et al. **Invest Ophthalmol Vis Sci** 1985 Sep;26(9):1309-13

Potential types of response of the parasympathetic denervated human parotid gland to cholinergic ligands. Levin SL. **J Auton Nerv Syst** 1985 Jun;13(2):161-70

Cholinergic supersensitivity and decreased number of muscarinic receptors in atria from short-term diabetic rats. Carrier GO, et al. **J Mol Cell Cardiol** 1984 Oct;16(10):963-5

Regulation of muscarinic cholinergic receptor density in neuroblastoma cells by brief exposure to agonist: possible involvement in desensitization of receptor function. Feigenbaum P, et al. **J Pharmacol Exp Ther** 1985 Apr; 233(1):134-40

Electrophysiological basis of excitation of canine colonic circular muscle by cholinergic agents and substance P. Huizinga JD, et al. **J Pharmacol Exp Ther** 1984 Dec; 231(3):692-9

The action of cholinomimetic substances on impulse conduction in the habenulointerpeduncular pathway of the rat in vitro. Brown DA, et al. **J Physiol (Lond)** 1984 Aug; 353:101-9

Cholinergic mechanisms in human coronary artery preparations: implications of species differences. Kalsner S. **J Physiol (Lond)** 1985 Jan;358:509-26

Cholinomimetic drug RS 86, REM sleep, and depression [letter] Berger M, et al. **Lancet** 1985 Jun 15;1(8442):1385-6

Rapid induction of supersensitivity to muscarinic antagonists-induced motor excitation by continuous stimulation of cholinergic receptors. Fernando JC, et al. **Life Sci** 1985 Sep 2;37(9):883-92

Cholinergic stimulation of pancreatic amylase release and muscarinic receptors: effect of ionophore A23187. Larose L, et al. **Life Sci** 1985 Jul 22;37(3):255-61

Tolerance to an anticholinergic agent is paralleled by increased binding to muscarinic receptors in rat brain and increased behavioral response to a centrally active cholinomimetic. Majocha R, et al. **Life Sci** 1984 Nov 26; 35(22):2247-55

Effects of cholinomimetic drugs on reptilian atrial muscles. Ojewole JA, et al. **Methods Find Exp Clin Pharmacol** 1984 Jul;6(7):379-87

Drugs as research tools in psychology: cholinergic drugs and information processing. Warburton DM, et al. **Neuropsychobiology** 1984;11(2):121-32

Effects of cholinergic stimulation of the caudate nucleus on active avoidance. Prado-Alcalá RA, et al. **Neurosci Lett** 1984 Sep 28;51(1):31-6

Muscarinic depression of evoked surface-negative field potentials recorded from guinea-pig olfactory cortex in vitro. Williams SH, et al. **Neurosci Lett** 1985 May 23; 56(3):301-6

Muscarinic and nicotinic effects on yawning and tongue protruding in the rat. Ushijima I, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):297-300

Food and water intake of broiler chicks as affected by intracerebroventricular injections of cholinomimetics. Denbow DM, et al. **Poult Sci** 1985 May;64(5):991-4

Cholinergic agonist and antagonist interactions on the putative nicotinic cholinoceptor of motor neurons. Bierkamper GG, et al. **Proc West Pharmacol Soc** 1984; 27:353-6

Memory enhancement: supra-additive effect of subcutaneous cholinergic drug combinations in mice. Flood JF, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):61-7

The opiate quasiwithdrawal syndrome in rhesus monkeys: comparison of naloxone-precipitated withdrawal to effects of cholinergic agents. Katz JL, et al. **Psychopharmacology (Berlin)** 1984;84(1):12-5

Effect of intrastriatal administration of cholinergic and GABAergic agonists on apomorphine-induced circling. Kuruvilla A, et al. **Psychopharmacology (Berlin)** 1984; 84(1):42-7

Serotonergic potentiation of muscarinic agonist evoked tremor and salivation in rat and mouse. Ogren SO, et al. **Psychopharmacology (Berlin)** 1985;86(3):258-64

Post-natal change in the effect of denervation on the rat vas deferens. Chiu-Wei YF, et al. **Q J Exp Physiol** 1984 Oct;69(4):711-8

Effects of nicotinic an muscarinic stimulation on calcium flux and catecholamine secretion in primary cultures of adrenal medullary cells. Watanabe J. **Tokushima J Exp Med** 1984 Dec;31(3-4):79-84

[Effect of agonists and antagonists of cholinergic M and N receptors on the GABA level and GAD activity of the rat cerebellum] Sieklucka-Dziuba M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:293-300 (Eng. Abstr.) **(Pol)**

[Effect of agonists and antagonists of cholinergic N receptors on the GABA level and GAD activity of the rat hypothalamus] Sieklucka-Dziuba M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:301-7 (Eng. Abstr.) **(Pol)**

[Effect of cholino- and adrenomimetic substances on B-lymphocyte proliferation in mice during a primary immune response to a protein antigen] Ado AD, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):46-8 (Eng. Abstr.) **(Rus)**

[Cyclic nucleotides in muscarinic stimulation of the smooth muscles of the small intestine in the guinea pig] Danilov AF, et al. **Dokl Akad Nauk SSSR** 1984;277(3):738-41 **(Rus)**

[Comparative sensitivity of the m-cholinoreceptors in various sites to cholinotropic agents] Angelova LA. **Farmakol Toksikol** 1985 Mar-Apr;48(2):115-20 **(Rus)**

THERAPEUTIC USE

Effect of a cholinomimetic drug (RS 86) in tardive dyskinesia and drug-related parkinsonism. Noring U, et al. **Psychopharmacology (Berlin)** 1984;84(4):569-71

Clinical trials with the cholinergic drug RS 86 in Alzheimer's disease (AD) and senile dementia of the Alzheimer type (SDAT). Wettstein A, et al. **Psychopharmacology (Berlin)** 1984;84(4):572-3

PARATHION

ANALOGS & DERIVATIVES

Teratological examination of Wofatox 50 EC (50% methylparathion) on pheasant embryos. Déli E, et al. **Anat Anz** 1985;158(3):237-40

Comparative teratological study of insecticide Wofatox 50 EC (50% methyl-parathion) on chicken and pheasant fetuses. Várnagy L, et al. **Anat Anz** 1985;158(1):1-3

Effects of microbial community interactions on transformation rates of xenobiotic chemicals. Lewis DL, et al. **Appl Environ Microbiol** 1984 Sep;48(3):561-5

Kinetics of succinic dehydrogenase inhibition by methyl parathion and its recovery by oximes and L-cysteine in hepatopancreas of Lamellidens marginalis. Sreenivasa Moorthy K, et al. **Arch Int Physiol Biochim** 1984 Oct; 92(3):147-51

The effect of methyl parathion on susceptibility of bobwhite quail (Colinus virginianus) to domestic cat predation. Galindo JC, et al. **Behav Neural Biol** 1985 Jan;43(1):21-36

Molt-inhibition in the crab Oziotelphusa senex senex following exposure to malathion and methyl parathion. Reddy PS, et al. **Bull Environ Contam Toxicol** 1985 Jul; 35(1):92-7

Methyl parathion and fenvalerate toxicity in American kestrels: acute physiological responses and effects of cold. Rattner BA, et al. **Can J Physiol Pharmacol** 1984 Jul; 62(7):787-92

Fate and biological effects of methyl parathion in outdoor ponds and laboratory aquaria. I. Fate. Crossland NO, et al. **Ecotoxicol Environ Safety** 1984 Oct;8(5):471-81

Fate and biological effects of methyl parathion in outdoor ponds and laboratory aquaria. II. Effects. Crossland NO. **Ecotoxicol Environ Safety** 1984 Oct;8(5):482-95

Methyl parathion (O-O-dimethyl O-4-nitrophenyl thiophosphate) effects on whole-body and tissue respiration in the teleost. Tilapia mossambica (Peters). Prasada Roa KS, et al. **Ecotoxicol Environ Safety** 1985 Jun;9(3):339-45

Cytogenetic effects of paraoxon and methyl-parathion on cultured human lymphocytes: SCE, clastogenic activity and cell cycle delay. Singh S, et al. **Int Arch Occup Environ Health** 1984;54(3):195-200

Genotoxicity of methyl parathion in short-term bacterial test systems. Rashid KA, et al. **J Environ Sci Health [B]** 1984 Aug;19(6):565-77

Detection and analysis of aminoparathion in human postmortem specimens. Chan LT, et al. **J Forensic Sci** 1983 Jan;28(1):122-7

Organophosphate insecticide poisoning among siblings--Mississippi. **MMWR** 1984 Oct 26;33(42):592-4

Brain cholinergic, behavioral, and morphological development in rats exposed in utero to methylparathion. Gupta RC, et al. **Toxicol Appl Pharmacol** 1985 Mar 15; 77(3):405-13

Impact of methyl parathion toxicity and eserine inhibition on acetylcholinesterase activity in tissues of the teleost (Tilapia mossambica)--a correlative study. Siva Prasada Rao K, et al. **Toxicol Lett** 1984 Sep;22(3):351-6

[Dynamics of cholinesterase inhibition in methylparathion poisoning] Izmirova N, et al. **Probl Khig** 1984;9:42-9 (Eng. Abstr.) **(Bul)**

[Experience and results in the testing of the subacute aerosol inhalation toxicity of PSM AND MBP] Moritz W, et al. **Z Gesamte Hyg** 1984 Nov;30(11):618-9 (Eng. Abstr.) **(Ger)**

METABOLISM

Partition of parathion in synthetic and native membranes. Antunes-Madeira MC, et al. **Biochim Biophys Acta** 1984 Nov 21;778(1):49-56

Polyamine effects on cytochrome P-450- and flavin-containing monooxygenase-mediated oxidation of xenobiotics. Osimitz TG, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):197-203

Effect of serum-parathion interactions on cutaneous penetration of parathion in vitro. Riley RT, et al. **Food Chem Toxicol** 1985 Jan;23(1):67-71

Percutaneous absorption and dermal dose-cholinesterase response studies with parathion and carbaryl in the rat. Knaak JB, et al. **Toxicol Appl Pharmacol** 1984 Nov; 76(2):252-63

PHARMACODYNAMICS

Temporal patterns of brain cholinesterase activities of white-footed mice (Peromyscus leucopus) following dosing with diazinon or parathion. Montz WE Jr, et al. **Arch Environ Contam Toxicol** 1985 Jan;14(1):19-24

Fatty acids and phospholipids of membranes isolated from Escherichia coli growing in a medium with parathion. Rosas SB, et al. **Bull Environ Contam Toxicol** 1985 Feb; 34(2):265-70

POISONING

Seizures and cardiac arrest in a farmhand. Grace TW. **Hosp Pract [Off]** 1985 Jun 15;20(6):180-1, 185, 188

Use of 19 590 mg of atropine during 24 days of treatment, after a case of unusually severe parathion poisoning [letter] Golsousidis H, et al. **Hum Toxicol** 1985 May;4(3):339-40

Detection and analysis of aminoparathion in human postmortem specimens. Chan LT, et al. **J Forensic Sci** 1983 Jan;28(1):122-7

Increased susceptibility to parathion poisoning following murine cytomegalovirus infection. Selgrade MK, et al. **Toxicol Appl Pharmacol** 1984 Nov;76(2):356-64

[Poisoning by organophosphorus insecticides. Report of 2 cases] Menchaca-Marines MC, et al. **Bol Med Hosp Infant Mex** 1984 Jul;41(7):393-7 (Eng. Abstr.) **(Spa)**

TOXICITY

Effect of high-fat and high-protein diets on toxicity of parathion and dichlorvos. Purshottam T, et al. **Arch Environ Health** 1984 Nov-Dec;39(6):425-30

Parathion and gastrointestinal transit in the rat. Beubler E, et al. **Arch Toxicol** 1985 Apr;57(1):72-3

Parathion-provoked lethality in rats is reduced by diethyldithiocarbamate. Homann J, et al. **Arch Toxicol** 1985 Jun;57(2):144-5

Measuring the effects of neurotoxicants on flight simulator performance. Dellinger JA, et al. **Aviat Space Environ Med** 1985 Mar;56(3):254-7

Nest defense behavior and reproductive success of laughing gulls sublethally dosed with parathion. King KA, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):499-504

Parathion effects on reproductive characteristics and vital organ weights of female cottontail rabbits (Sylvilagus floridanus). Montz WE Jr, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):484-90

Effect of aqueous extracts of Acanthopanax senticosus on parathion toxicity in mice. Ferguson PW, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):278-81

Effect of aqueous extracts of Acanthopanax senticosus on parathion toxicity in mice. Ferguson PW, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):278-81

Parathion-induced suppression of humoral immunity in inbred mice. Casale GP, et al. **Toxicol Lett** 1984 Nov; 23(2):239-47

PARATHYROID DISEASES

COMPLICATIONS

[Cervical tumor with hypercalcemia (letter)] Carel JC, et al. **Presse Med** 1985 Jun 22;14(25):1388 **(Fre)**

[Myopathies in endocrine disorders] Kruse K. **Monatsschr Kinderheilkd** 1984 Aug;132(8):581-6 (58 ref.) (Eng. Abstr.) **(Ger)**

[The thyroid gland, the parathyroid gland and the skin] Hornstein OP. **Z Hautkr** 1984 Sep 1;59(17):1125-6, 1129-32, 1137-43 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Unsuspected parathyroid cysts diagnosed by measurement of thyroglobulin and parathyroid hormone concentrations in fluid aspirates. Pacini F, et al. **Ann Intern Med** 1985 Jun;102(6):793-4

Laboratory investigation of disorders of the parathyroid glands. Levine MA. **Clin Endocrinol Metab** 1985 Feb; 14(1):257-72 (48 ref.)

[Thyroid and parathyroid echography] Moreau JF, et al. **Ann Radiol (Paris)** 1984 Nov;27(7):601-5 (Eng. Abstr.) **(Fre)**

[Thyroid gland and parathyroid gland changes in ultrasound (real time B image)] Brockmann WP, et al. **Ultraschall Med** 1985 Feb;6(1):2-12 (Eng. Abstr.) **(Ger)**

[Ultrasound for detecting and localizing enlarged parathyroid glands] Meir Y, et al. **Harefuah** 1983 Jun; 104(11-12):498-501 (Eng. Abstr.) **(Heb)**

[Ultrasonic diagnosis of thyroid and parathyroid gland diseases] Yamada K, et al. **Rinsho Hoshasen** 1984 Oct;29(11 Suppl):1161-73 **(Jpn)**

[Parathyroid diseases in children] Kniazev IuA, et al. **Pediatriia** 1984 Aug;(8):41-6 **(Rus)**

ETIOLOGY

Spontaneous remission of hypercalcemia in a functioning parathyroid cyst. Ozaki O, et al. **Jpn J Surg** 1984 Jul; 14(4):315-9

METABOLISM

Bone metabolism in acute parathyroid crisis. Cundy T, et al. **Clin Endocrinol (Oxf)** 1985 Jun;22(6):787-93

PATHOLOGY

Parathyroid cyst. Ferrara BE, et al. **South Med J** 1985 May; 78(5):528-32

PHYSIOPATHOLOGY

Angiogenesis of human parathyroid tissue. Saxe AW. **Surgery** 1984 Dec;96(6):1138-43

RADIONUCLIDE IMAGING

False-positive subtraction scintigram of the parathyroid glands due to metastatic tumor. Punt CJ, et al. **J Nucl Med** 1985 Feb;26(2):155-6

Preliminary results of thallium 201 and technetium 99m subtraction scanning of parathyroid glands. Wheeler MH, et al. **Surgery** 1984 Dec;96(6):1078-82

SURGERY

Surgical strategy in nonfamilial primary parathyroid hyperplasia: long-term follow-up of thirty-nine cases. Bondeson AG, et al. **Surgery** 1985 May;97(5):569-73

Intraoperative imprints for the identification of parathyroid tissue. Geelhoed GW, et al. **Surgery** 1984 Dec; 96(6):1124-31

The density test for the intraoperative differentiation of single or multigland parathyroid disease. Welsh CL, et al. **World J Surg** 1984 Aug;8(4):522-6

PARATHYROID GLANDS

Magnetic resonance imaging of the thyroid, thymus, and parathyroid glands. Stark DD, et al. **Surgery** 1984 Dec; 96(6):1083-91

Assessment of parathyroid graft function after autotransplantation of fresh and cryopreserved tissue. Rothmund M, et al. **World J Surg** 1984 Aug;8(4):527-33

[Cryopreservation of human parathyroid tissue. Effect of in vitro secretory behavior and morphology] Wagner PK. **Fortschr Med** 1984 Oct 18;102(39):989-92 (Eng. Abstr.) **(Ger)**

[Ultrasound for detecting and localizing enlarged parathyroid glands] Meir Y, et al. **Harefuah** 1983 Jun; 104(11-12):498-501 (Eng. Abstr.) **(Heb)**

ANATOMY & HISTOLOGY

The normal parathyroid glands of the Mongolian gerbil. A quantitative structural study. Lorentzon R, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1984 Jul; 92(4):257-65

BLOOD SUPPLY

Angiogenesis of human parathyroid tissue. Saxe AW. **Surgery** 1984 Dec;96(6):1138-43

CYTOLOGY

PTH release stimulated by high extracellular potassium is associated with a decrease in cytosolic calcium in bovine parathyroid cells. Shoback DM, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):684-90

Regulation of parathyroid hormone release and cytosolic calcium by extracellular calcium in dispersed and cultured bovine and pathological human parathyroid cells. LeBoff MS, et al. **J Clin Invest** 1985 Jan;75(1):49-57

DRUG EFFECTS

Inhibition by 1,25 dihydroxycholecalciferol of hormonal secretion of rat parathyroid gland in organ culture. Au WY. **Calcif Tissue Int** 1984 Jul;36(4):384-91

Effects of short-term treatment with calcium on the parathyroid gland of the rat, under particular consideration of the alteration of storage granules. Setoguti T, et al. **Cell Tissue Res** 1985;240(1):9-17

Bone and parathyroid inhibitory effects of S-2(3-aminopropylamino)ethylphosphorothioic acid. Studies in experimental animals and cultured bone cells. Attie MF, et al. **J Clin Invest** 1985 Apr;75(4):1191-7

EMBRYOLOGY

The development of pharyngeal endocrine organs in mouse and chick embryos. Hilfer SR, et al. Scan **Electron Microsc** 1984;(Pt 4):2009-22

Development of parathyroid gland of the lizard, Calotes versicolor (Daudin). Akbarsha MA. **Z Mikrosk Anat Forsch** 1985;99(2):204-8

ENZYMOLOGY

Effects of aluminum on bovine parathyroid adenylate cyclase. Bellorin-Font E, et al. **Endocrinology** 1985 Oct; 117(4):1456-61

The effects of magnesium on calcium inhibition of parathyroid adenylate cyclase. Oldham SB, et al. **Endocrinology** 1984 Nov;115(5):1883-90

INNERVATION

Changes in parathyroid hormone and calcium levels after superior cervical ganglionectomy of rats. Cardinali DP, et al. **Neuroendocrinology** 1985 Apr;40(4):291-6

METABOLISM

Stimulus-secretion coupling of parathyroid hormone release: studies of 45Ca and 86Rb fluxes. Wallfelt C, et al. **Acta Physiol Scand** 1985 Jun;124(2):239-45

Defective regulation of the cytosolic Ca2+ activity in parathyroid cells from patients with hyperparathyroidism. Larsson R, et al. **Biosci Rep** 1984 Nov;4(11):909-15

Effect of the phorbol ester TPA on PTH secretion. Evidence for a role for protein kinase C in the control of PTH release. Brown EM, et al. **FEBS Lett** 1984 Sep 17;175(1):72-5

Modulation of intracellular Ca2+ in the parathyroid cell. Release of Ca2+ from non-mitochondrial pools by inositol trisphosphate. Epstein PA, et al. **FEBS Lett** 1985 Aug 19; 188(1):141-4

Metabolites of cholecalciferol in chick parathyroid glands. Otremski I, et al. **Isr J Med Sci** 1984 Nov;20(11):1101-4

Interaction of extracellular calcium and magnesium in the regulation of cytosolic calcium and PTH release in dispersed bovine parathyroid cells. Shoback DM, et al. **Mol Cell Endocrinol** 1984 Dec;38(2-3):179-86

Measurements of intracellular, free Ca2+ in parathyroid cells: evidence for a Ca2+-independent secretory pathway. Wallace J, et al. **Prog Clin Biol Res** 1984; 168:133-7

Production of prostaglandins by dispersed cells and fragments from bovine parathyroid glands. Brown EM, et al. **Prostaglandins** 1985 Jan;29(1):35-46

PATHOLOGY

Peroperative evaluation of parathyroid glands using fat stain on frozen sections. Advantages and limitations. Farnebo LO, et al. **Acta Chir Scand [Suppl]** 1984;520:17-24

Quantitative parathyroid morphology is unaltered in prolonged hypocalcemia. A quantitative electron microscopic study in the Mongolian gerbil. Lorentzon R, et al. **Acta Pathol Microbiol Immunol Scand** [A] 1984 Jul; 92(4):267-74

Ultrasonic appearance of adenomatous and hyperplastic parathyroid glands. Rastad J, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(6):471-5

Value of high resolution real-time ultrasonography in secondary hyperparathyroidism. Clark OH, et al. **Am J Surg** 1985 Jul;150(1):9-17

Parathyroid gland morphology in nonparathyroid hormone-mediated hypercalcemia. Dufour DR, et al. **Am J Surg Pathol** 1985 Jan;9(1):43-51

The role of routine biopsy of all parathyroid glands in primary hyperparathyroidism. McGarity WC, et al. **Am Surg** 1985 Jan;51(1):8-15

Occurrence of bone fractures and parathyroid hyperplasia in paraphysectomized frogs (Rana catesbeiana). Nelson SR, et al. **Anat Rec** 1985 Mar;211(3):311-7

Pathologic study of parathyroid glands in tertiary hyperparathyroidism. Krause MW, et al. **Hum Pathol** 1985 Aug;16(8):772-84

Comparison of imaging methods for diagnosing enlarged parathyroid glands in chronic renal failure. Takagi H, et al. **J Comput Assist Tomogr** 1985 Jul-Aug;9(4):733-7

Bilateral intrathyroidal hyperplastic parathyroid glands. Davis O, et al. **J Surg Oncol** 1984 Dec;27(4):271-4

Cervical mediastinal thymic parathyroid cyst. Silver WE. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):403-8

Parathyroid aspiration biopsy under ultrasound guidance in the postoperative hyperparathyroid patient. Gooding GA, et al. **Radiology** 1985 Apr;155(1):193-6

The role of the pathologist in the surgical treatment of hyperparathyroidism. Saxe AW, et al. **Surg Gynecol Obstet** 1985 Aug;161(2):101-5

Surgical strategy in nonfamilial primary parathyroid hyperplasia: long-term follow-up of thirty-nine cases. Bondeson AG, et al. **Surgery** 1985 May;97(5):569-73

Intraoperative imprints for the identification of parathyroid tissue. Geelhoed GW, et al. **Surgery** 1984 Dec;96(6):1124-31

The anatomy of parathyroid hyperplasia. Liechty RD, et al. **Surgery** 1984 Dec;96(6):1099-102

[Neonatal primary hyperparathyroidism caused by clear cell hyperplasia] Cheron G, et al. **Pediatrie** 1985 Jan-Feb;40(1):35-9 (Eng. Abstr.) **(Fre)**

[Localization of enlarged parathyroid glands in hyperparathyroidism. Experiences with and role of computed tomography] Spira G, et al. **Radiologe** 1984 Dec;24(12):564-7 (Eng. Abstr.) **(Ger)**

[Localization diagnosis of enlarged parathyroid glands: 201Tl-99mTc-subtraction scintigraphy compared with 5-MHz-sonography] Müller HW, et al. **ROFO** 1985 May;142(5):543-7 (Eng. Abstr.) **(Ger)**

[Real usefulness of intraoperative frozen-section biopsy in parathyroid pathology] Alajmo E. **Acta Otorhinolaryngol Ital** 1984 Jul-Aug;4(4):469-74 (Eng. Abstr.) **(Ita)**

[Association of hyperplasia and cancer of the parathyroid glands in patients under dialysis. Pathogenetic hypotheses] Perin N, et al. **Minerva Med** 1985 Mar 10;76(9-10):425-8 **(Ita)**

[Histopathological study of the parathyroid gland in renal hyperparathyroidism] Tominaga Y, et al. **Nippon Geka Gakkai Zasshi** 1985 May;86(5):630-9 (Eng. Abstr.) **(Jpn)**

[A case of cervico-mediastinal thymic cyst with normal parathyroid tissue in its wall] Okada K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Mar;33(3):396-9 (Eng. Abstr.) **(Jpn)**

[Bone and soft tissue damage in patients with chronic renal failure during treatment by systematic hemodialysis] Nenov D, et al. **Urol Nefrol (Mosk)** 1984 Nov-Dec;(6):53-6 **(Rus)**

PHYSIOLOGY

Effect of 1,25-dihydroxycholecalciferol on the extra-renal handling of inorganic phosphate in thyroparathyroidectomized but not in intact rats. Troehler U, et al. **Adv Exp Med Biol** 1984;178:87-91

Phosphate excretion in uremic rats: effects of parathyroidectomy and phosphate restriction. Kraus E, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):F175-82

The regulatory and catalytic subunits of rat liver cyclic AMP-dependent protein kinases respond differently to thyroparathyroidectomy and 1 alpha,25-dihydroxyvitamin D3. Sikorska M, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):766-72

1 alpha,25-Dihydroxyvitamin D3 enables regenerating liver cells to make functional ribonucleotide reductase subunits and replicate DNA in thyroparathyroidectomized rats. Youdale T, et al. **Can J Biochem Cell Biol** 1985 May;63(5):319-24

Changes in the cytoplasmic and nuclear activities of the ribonucleotide reductase holoenzyme and its subunits in regenerating liver cells in normal and thyroparathyroidectomized rats. Youdale T, et al. **Can J Biochem Cell Biol** 1984 Sep;62(9):914-9

Biochemical change in the liver and kidney of rats following parathyroidectomy. Bogin E, et al. **Enzyme** 1985;33(2):94-100

Parathyroidectomy-pinealectomy-induced seizures: effects of intersurgical length. Dickman CA, et al. **Exp Neurol** 1985 Jun;88(3):538-43

Hydrochlorothiazide lowers urinary hydroxyproline in parathyroidectomized rats. Goulding A, et al. **Horm Metab Res** 1985 Jan;17(1):50-1

Adrenal/parathyroid regulation of DNA, collagen and protein synthesis in rat epiphysial cartilage and bone. Russell JE, et al. **J Endocrinol** 1984 Oct;103(1):49-57

Calcium metabolism of intact and thyroparathyroidectomized rats fed a bicarbonate enriched diet. Ballina JC, et al. **J Endocrinol Invest** 1985 Apr;8(2):171-4

Quantitative aspects of membrane behavior in rat parathyroid cells after depression or elevation of serum calcium. Wild P, et al. **Lab Invest** 1985 May;52(5):490-6 (70 ref.)

Concentrations of total and ionic calcium, inorganic phosphorus, magnesium, and protein in maternal and fetal blood and in amniotic fluid in parathyroidectomized pregnant rats. Harada I, et al. **Nippon Juigaku Zasshi** 1985 Jun;47(3):403-11

Regulation by vitamin D metabolites of messenger ribonucleic acid for preproparathyroid hormone in isolated bovine parathyroid cells. Silver J, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4270-3

Electrophysiological correlates of secretion in normal human parathyroid cells. Posillico JT, et al. **Prog Clin Biol Res** 1984;168:145-50

[Educational lecture on clinical topics on parathyroids] Fujita T. **Nippon Naika Gakkai Zasshi** 1984 Oct;73(10):1432-7 **(Jpn)**

PHYSIOPATHOLOGY

1-Alpha-OH-cholecalciferol (1-alpha-OH-D3) and optimal calcium intake in calcium deficiency osteoporosis mediated by parathyroid activity morphologic and biochemical changes in adult male rats. Lindholm TS, et al. **Acta Vitaminol Enzymol** 1985;7(1-2):39-47

Familial benign hypercalcemia [letter] **Ann Intern Med** 1985 Aug;103(2):304-5

Parathyroid function and vitamin D status in patients with bone metastases of prostatic origin. Charhon SA, et al. **Miner Electrolyte Metab** 1985;11(2):117-22

[Relation between the clinical manifestations and management of chronic renal failure and parathyroid function] Xiang KS. **Chung Hua Nei Ko Tsa Chih** 1984 Oct;23(10):619-22 (Eng. Abstr.) **(Chi)**

[The parathyroid function in patients with hyperthyroidism] Miura R, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Jul 20;60(7):892-8 (Eng. Abstr.) **(Jpn)**

[Pituitary-thyroid-parathyroid function during treatment of patients with thyroid cancer after thyroidectomy] Telish VM, et al. **Ter Arkh** 1984;56(11):117-9 **(Rus)**

RADIATION EFFECTS

Functional and morphological abnormalities of the parathyroid glands as late effects of irradiation for benign diseases] van Daal WA, et al. **Neth J Med** 1985;28(4):153-6

RADIOGRAPHY

[Visualization of enlarged parathyroids by digital subtraction angiography in 22 patients with primary or secondary hyperparathyroidism] Tuengerthal S, et al. **Digitale Bilddiagn** 1985 Mar;5(1):40-7 (Eng. Abstr.) **(Ger)**

[Computed tomography for localizing enlarged parathyroid glands in primary hyperparathyroidism] Kuriyama K, et al. **Rinsho Hoshasen** 1984 Dec;29(13):1467-71 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Thallium-technetium subtraction scintigraphy as an aid to parathyroid surgery. Percival RC, et al. **Br J Urol** 1985 Apr;57(2):133-6

Dual isotope subtraction parathyroid scintigraphy in the preoperative evaluation of suspected hyperparathyroidism. Basarab RM, et al. **Clin Nucl Med** 1985 Apr;10(4):300-14

Localization of enlarged parathyroid glands by thallium-201 and technetium-99m subtraction imaging. Gland mass and parathormone levels in primary hyperparathyroidism. Gimlette TM, et al. **Clin Nucl Med** 1985 Apr;10(4):235-9

Parathyroid localization in primary hyperparathyroidism: double-tracer scintigraphy and venous sampling techniques combined. A first evaluation. Zotti D, et al. **J Endocrinol Invest** 1984 Aug;7(4):363-6

Different protocols for parathyroid imaging [letter] Cosgriff PS. **J Nucl Med** 1985 Jun;26(6):667-8

Preliminary results of thallium 201 and technetium 99m subtraction scanning of parathyroid glands. Wheeler MH, et al. **Surgery** 1984 Dec;96(6):1078-82

[Is thallium scintigraphy of value in the preoperative localization of pathologic parathyroid glands? (letter)] Chapuis Y, et al. **Presse Med** 1984 Dec 1;13(43):2648 **(Fre)**

SECRETION

Differential calcium response of normal and adenomatous parathyroid glands. Dietel M, et al. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):375-81

Prolactin stimulation of parathyroid hormone secretion in bovine parathyroid cells. Magliola L, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E675-80

The acute secretory response to alterations in extracellular calcium concentration and dopamine in perifused bovine parathyroid cells. Brown EM, et al. **Endocrinology** 1985 Mar;116(3):1123-32

Parathyroid hormone secretion from dispersed human hyperparathyroid cells: increased secretion in cells from hyperplastic glands versus adenomas. Cantley LK, et al. **J Clin Endocrinol Metab** 1985 May;60(5):1032-7

Effect of the parasympathetic system on secretion of parathyroid hormone. Williams GA, et al. **Metabolism** 1985 Jul;34(7):612-5

The relationship between PTH secretion and cytosolic calcium concentration in bovine parathyroid cells. Brown EM, et al. **Prog Clin Biol Res** 1984;168:139-44

[Effect of enkephalins on the calcium-regulating function of the endocrine glands] Zoloev GK, et al. **Probl Endokrinol (Mosk)** 1985 Jan-Feb;31(1):42-4 (Eng. Abstr.) **(Rus)**

SURGERY

Changes following parathyroidectomy in hemodialyzed patients. Berland Y, et al. **Adv Exp Med Biol** 1984;178:241-52

Primary hyperparathyroidism in familial multiple endocrine neoplasia type I. Long-term follow-up of serum calcium levels after parathyroidectomy. Rizzoli R, et al. **Am J Med** 1985 Mar;78(3):467-74

Protective effect of thyroxine but not parathyroidectomy on gentamicin nephrotoxicity. Cronin RE, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):F332-9

Recurrent hyperparathyroidism due to implantation of parathyroid tissue. Rattner DW, et al. **Am J Surg** 1985 Jun;149(6):745-8

Subtotal parathyroidectomy versus total parathyroidectomy with autotransplantation for secondary hyperparathyroidism. Albertson DA, et al. **Am Surg** 1985 Jan;51(1):16-20

The changing picture of primary hyperparathyroidism in the years 1956-1979. Sivula A, et al. **Ann Chir Gynaecol** 1984;73(6):319-24

Surgery or no surgery for primary hyperparathyroidism [editorial] Bilezikian JP. **Ann Intern Med** 1985 Mar;102(3):402-3

Intravital methylene blue staining of parathyroid glands and tumours. Sherlock DJ, et al. **Ann R Coll Surg Engl** 1984 Nov;66(6):396-8

Hyperparathyroidism--patterns of presentation, symptoms and response to operation. Thomas JM, et al. **Ann R Coll Surg Engl** 1985 Mar;67(2):79-82

Parathyroid surgery in patients with renal failure. Delmonico FL, et al. **Ann Surg** 1984 Nov;200(5):644-7

Intraoperative urinary cyclic adenosine monophosphate as a guide to successful reoperative parathyroidectomy. Norton JA, et al. **Ann Surg** 1984 Oct;200(4):389-95

Increased bone aluminum deposition after subtotal parathyroidectomy in dialyzed patients. de Vernejoul MC, et al. **Kidney Int** 1985 May;27(5):785-91

Effect of parathyroidectomy on bone aluminum accumulation in chronic renal failure. Andress DL, et al. **N Engl J Med** 1985 Feb 21;312(8):468-73

Parathyroidectomy in chronic renal failure. de Francisco AM, et al. **Q J Med** 1985 Jun;55(218):289-315

Is parathyroidectomy of benefit in primary hyperparathyroidism? Posen S, et al. **Q J Med** 1985 Mar;54(215):241-51

Parathyroid disease. Part I. The management of primary hyperparathyroidism. Botha JR, et al. **S Afr J Surg** 1985 Jun;23(2):43-6

The aortic content of glycosaminoglycans, hydroxyproline and calcium in experimental uraemia with special reference to parathyroidectomy and vitamin-D treatment. Krog M, et al. **Scand J Urol Nephrol** 1984;18(3):241-7

Arterial calcifications in uraemic rats treated with 1-alpha-hydroxycholecalciferol and parathyroidectomy. Krog M, et al. **Scand J Urol Nephrol** 1984;18(3):227-39

Hyperparathyroidism. Rossi RL, et al. **Surg Clin North Am** 1985 Apr;65(2):187-209

Intraoperative localization of parathyroid glands using methylthionine chloride / tetramethylthionine chloride in secondary hyperparathyroidism. Bland KI, et al. **Surg Gynecol Obstet** 1985 Jan;160(1):42-8

Parathyroidectomy for primary hyperparathyroidism: early discharge. Tarazi R, et al. **Surgery** 1984 Dec;96(6):1158-62

Subtotal parathyroidectomy for secondary hyperparathyroidism. Zdon MJ, et al. **Surgery** 1984 Dec;96(6):1103-8

Total parathyroidectomy and parathyroid autograft for renal osteodystrophy: analysis of the cause of failure. Kinnaert P, et al. **World J Surg** 1985 Jun;9(3):500-6

Indications and late results of subtotal parathyroidectomy for hyperparathyroidism after renal transplantation. Sitges-Serra A, et al. **World J Surg** 1984 Aug;8(4):534-9

[Total parathyroidectomy and parathyroid autotransplantation with fresh or cryopreserved tissue] Donini I, et al. **Minerva Chir** 1985 Feb 28;40(4):235-8 **(Ita)**

[Parathyroidectomy in the therapy of symptomatic secondary hyperparathyroidism in patients in periodic hemodialysis. Comparison of 3 strategies] Muolo A, et al. **Minerva Chir** 1985 Jan 15-31;40(1-2):21-7 (Eng. Abstr.) **(Ita)**

[Evolution of surgical methods in the treatment of renal osteodystrophy. Personal cases and remote results] Borrelli D, et al. **Minerva Med** 1985 Mar 10;76(9-10):429-39 **(Ita)**

[Surgical treatment of secondary hyperparathyroidism] D'Alonzo U. **Minerva Med** 1985 Mar 10;76(9-10):389-91 **(Ita)**

[Parathyroidectomy in secondary hyperparathyroidism] D'Amico D, et al. **Minerva Med** 1985 Mar 10;76(9-10):383-7 **(Ita)**

[Therapeutic indications obtained from short- and medium-term biohumoral changes after parathyroidectomy] Sforzini S, et al. **Minerva Med** 1985 Mar 10;76(9-10):393-6 **(Ita)**

[Parathyroidectomy in secondary hyperparathyroidism in chronic uremic patients under dialysis treatment. Development of the surgical strategy] Zucchi C. **Minerva Med** 1985 Mar 10;76(9-10):397-401 **(Ita)**

[An operative technique for parathyroid surgery] Shinka T. **Hinyokika Kiyo** 1984 Jul;30(7):969-73 (Eng. Abstr.) **(Jpn)**

[Diagnosis and surgical treatment of renal hyperparathyroidism] Tominaga Y, et al.

Hinyokika Kiyo 1984 Jul;30(7):989-92 (Eng. Abstr.) **(Jpn)**

[Unilateral parathyroidectomy--a new surgical strategy in hyperparathyroidism due to solitary adenoma] Tibblin S, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1027-9 (Eng. Abstr.) **(Jpn)**

[Subtotal parathyroidectomy in the treatment of renal osteodystrophy in 8 patients under chronic hemodialysis] Lillo M. **Rev Med Chil** 1984 Jun;112(6):564-9 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Total parathyroidectomy and autotransplantation for tertiary hyperparathyroidism in children with chronic renal failure. Moazam F, et al. **J Pediatr Surg** 1984 Aug;19(4):389-93

The role of germinal epithelium and spermatogenesis in the privileged survival of intratesticular grafts. Whitmore WF 3d, et al. **J Urol** 1985 Oct;134(4):782-6

Evaluation of the intact hormone assay in the study of parathyroid autograft function. Wijeyesinghe EC, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:426-30

New applications of total parathyroidectomy and autotransplantation: use in proximal renal tubular dysfunction. Kinder BK, et al. **World J Surg** 1985 Feb; 9(1):156-64

Parathyroid autografts--morphology and function: six years' experience with parathyroid autotransplantation in uremic patients. Klempa I, et al. **World J Surg** 1984 Aug;8(4):540-4

[Autotransplantation of cold preserved human parathyroid gland tissue. Indications--technic--results] Wagner PK, et al. **Chirurg** 1985 Jan;56(1):30-5 (Eng. Abstr.) **(Ger)**

[Autotransplantation in endocrine surgery] Wagner PK, et al. **Dtsch Med Wochenschr** 1984 Oct 19;109(42):1609-14 **(Ger)**

[Total parathyroidectomy with autotransplantation in secondary hyperparathyroidism] Suzuki K, et al. **Hinyokika Kiyo** 1984 Jul;30(7):985-7 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Effects of starvation on the ultrastructure of the mouse parathyroid gland. Isono H, et al. **Acta Anat (Basel)** 1985; 121(1):46-52

Ultrastructural changing of the rat parathyroid gland under various fixation methods. Moreira JE, et al. **Anat Anz** 1985; 158(5):413-23

Ultrastructural morphometry of parathyroid cells in rats of different ages. Wild P, et al. **Cell Tissue Res** 1985; 240(3):585-91

Syncytial cells in canine parathyroid glands. Meuten DJ, et al. **Vet Pathol** 1984 Sep;21(5):463-8

Quantitative morphological assessment of parathyroid activity in response to variations in calcium concentration in vitro. Larsson HO, et al. **Virchows Arch [Cell Pathol]** 1985;48(2):97-105

PARATHYROID HORMONES

Hypochlorite radioiodination of parathyroid peptides (hPTH1-34, [Tyr43]hPTH44-68). Orwoll E, et al. **J Lab Clin Med** 1985 Feb;105(2):247-53

ADMINISTRATION & DOSAGE

Intestinal absorption of calcium in greyhounds: the response to intermittent and continuous administration of human synthetic parathyroid hormone fragment 1-34 (hPTH 1-34). Podbesek RD, et al. **Clin Sci** 1984 Dec;67(6):591-9

ANALYSIS

Analysis of immunoreactive and biologically active human parathyroid hormone-peptides by high-performance-liquid-chromatography. Schettler T, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):60-9

Preparation and characterization of radioactive monoiodotyrosine and diiodotyrosine derivatives of parathyroid hormone. Zull JE, et al. **Anal Biochem** 1984 Jul;140(1):214-22

Unsuspected parathyroid cysts diagnosed by measurement of thyroglobulin and parathyroid hormone concentrations in fluid aspirates. Pacini F, et al. **Ann Intern Med** 1985 Jun;102(6):793-4

Ultrasonically guided fine needle aspiration of suspect parathyroid tissue to determine parathyroid hormone concentration. Karstrup S, et al. **Br Med J [Clin Res]** 1985 Jan 26;290(6464):284

Radioimmunoassay for the middle region of human parathyroid hormone: comparison of two radioiodinated synthetic peptides. Sharp ME, et al. **Clin Chim Acta** 1985 Jan 15;145(1):59-68

Renal and hepatic extraction of carboxyl-terminal immunoreactive parathyrin in normal man. Fogh-Andersen N, et al. **J Clin Chem Clin Biochem** 1984 Jul;22(7):479-82

Comparison of four different carboxylterminal tracers in a radioimmunoassay specific to the 68-84 region of human parathyroid hormone. D'Amour P, et al. **J Immunoassay** 1984;5(3-4):183-204

ANTAGONISTS & INHIBITORS

Aspirin inhibition of 1 alpha-hydroxyvitamin D3 or parathyroid hormone induced hypercalcemia in vivo in rats. A mechanism independent of prostaglandin biosynthesis inhibition. Kawashima H, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1901-6

Differential effects of parathyroid hormone responsive cultured human cells on biological activity of parathyroid hormone and parathyroid hormone inhibitory analogues. Goldring SR, et al. **Biochemistry** 1985 Jan 15;24(2):513-8

Evaluation of an in vitro parathyroid hormone antagonist in vivo in dogs. Segre GV, et al. **Endocrinology** 1985 Mar; 116(3):1024-9

Tetracyclines inhibit parathyroid hormone-induced bone resorption in organ culture. Gomes BC, et al. **Experientia** 1984 Nov 15;40(11):1273-5

Recombinant gamma-interferon inhibits prostaglandin-mediated and parathyroid hormone-induced bone resorption in cultured neonatal mouse calvaria. Peterlik M, et al. **FEBS Lett** 1985 Jun 17;185(2):287-90

BIOSYNTHESIS

Messenger ribonucleic acid from tumors associated with humoral hypercalcemia of malignancy directs the synthesis of a secretory parathyroid hormone-like peptide. Broadus AE, et al. **Endocrinology** 1985 Oct;117(4):1661-6

Parathyroid carcinoma with massive parathyroid hormone production and severe mitral incompetence: report of a case with review of the literature. Menkes AL, et al. **J Am Osteopath Assoc** 1984 Aug;83(12):852-6

Hypercalcemia in chronic myelogenous leukemia: evidence for excessive parathyroid hormone secretion. Molho P, et al. **Nouv Rev Fr Hematol** 1985;27(3):189-92

The effects of calcium and vitamin D metabolites on cytoplasmic mRNA coding for pre-proparathyroid hormone in isolated parathyroid cells. Russell J, et al. **Trans Assoc Am Physicians** 1984;97:296-303

BLOOD

Serum parathyroid hormone levels in active pulmonary tuberculosis. Singhellakis PN, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984;265:52-4

Effects of secretin on parathyroid hormone and calcium in normal subjects, patients with hyperparathyroidism and patients with gastrinoma. Benson L, et al. **Acta Med Scand** 1985;217(2):205-11

The effects of changes in serum calcium and parathormone on plasma renin activity in intact mongrel dogs. Zawada ET Jr, et al. **Adv Exp Med Biol** 1984;178:311-8

Postnatal changes in calcium-regulating hormones in very-low-birth-weight infants. Effect of early neonatal hypocalcemia and intravenous calcium infusion on serum parathyroid hormone and calcitonin homeostasis. Venkataraman PS, et al. **Am J Dis Child** 1985 Sep; 139(9):913-6

Parathyroid hormone and the altered vascular response to norepinephrine in uremia. Collins J, et al. **Am J Nephrol** 1985;5(2):110-3

Bioactive parathyroid hormone in canine progressive renal insufficiency. Grunbaum D, et al. **Am J Physiol** 1984 Oct; 247(4 Pt 1):E442-8

Use of C-terminal parathyroid assays in a large metropolitan hospital. Lum G. **Ann Clin Lab Sci** 1985 Jan-Feb; 15(1):55-60

Cytochemical bioassay of parathyroid hormone in maternal and cord blood. Allgrove J, et al. **Arch Dis Child** 1985 Feb;60(2):110-5

Relationships between calcium and phosphorus homeostasis, parathyroid hormone levels, bone aluminum, and bone histomorphometry in patients on maintenance hemodialysis. Nilsson P, et al. **Bone** 1985;6(1):21-7

Calcitonin and parathyroid hormone in newborn infants with fracture of the clavicle. Bagnoli F, et al. **Calcif Tissue Int** 1984 Jul;36(4):357-60

A novel method of transport for thyroxine (T4), cortisol, thyroid stimulating hormone (TSH), parathormone (PTH), and insulin. Ch'ng SL, et al. **Clin Chim Acta** 1985 Jul 15; 149(2-3):253-6

Biologically active parathyroid hormone in familial hypocalciuric hypercalcaemia. Allgrove J, et al. **Clin Endocrinol (Oxf)** 1984 Sep;21(3):293-8

Osteoporosis in elderly men [letter] Foresta C, et al. **Clin Endocrinol (Oxf)** 1984 Sep;21(3):309-10

Absence of effect of 24,25-dihydroxycholecalciferol on serum immunoreactive PTH in patients with persistent hyperparathyroidism after renal transplantation. Friedlander MA, et al. **Clin Nephrol** 1984 Oct;22(4):206-10

Pruritus and mast cell proliferation of the skin in end stage renal failure. Matsumoto M, et al. **Clin Nephrol** 1985 Jun; 23(6):285-8

Localization of enlarged parathyroid glands by thallium-201 and technetium-99m subtraction imaging. Gland mass and parathormone levels in primary hyperparathyroidism. Gimlette TM, et al. **Clin Nucl Med** 1985 Apr;10(4):235-9

Pharmacokinetics of synthetic human parathyroid hormone 1-34 in man measured by cytochemical bioassay and radioimmunoassay. Kent GN, et al. **Clin Sci** 1985 Feb; 68(2):171-7

Some problems associated with adenylate cyclase bioassays for parathyroid hormone. Seshadri MS, et al. **Clin Sci** 1985 Mar;68(3):311-9

An adenylate cyclase bioassay for parathyroid hormone: some clinical experiences. Seshadri MS, et al. **Clin Sci** 1985 Mar;68(3):321-6

Correlations between parameters of parathyroid activity and blood pressure during the onset of DOCA + saline hypertension in the rat. Berthelot A, et al. **Contrib Nephrol** 1984;41:146-50

Aging and dietary modulation of rat skeleton and parathyroid hormone. Kalu DN, et al. **Endocrinology** 1984 Oct; 115(4):1239-47

Effects of physical exercise on serum calcium and parathyroid hormone. Ljunghall S, et al. **Eur J Clin Invest** 1984 Dec;14(6):469-73

Insulin-induced hypoglycaemia stimulates secretion of parathyroid hormone. Ljunghall S, et al. **Exp Clin Endocrinol** 1984 Dec;84(3):319-23

Effects of epinephrine and norepinephrine on serum parathyroid hormone and calcium in normal subjects. Ljunhgall S, et al. **Exp Clin Endocrinol** 1984 Dec; 84(3):313-8

Effect of bromocriptine on serum PTH, calcium and phosphate levels in azotemic rats. Elias AN, et al. **Gen Pharmacol** 1985;[illegible](1):75-7

Calcium, parathyroid hormone and calcitonin in normal pregnancy and preeclampsia. Pedersen EB, et al. **Gynecol Obstet Invest** 1984;18(3):156-64

Age, strain and species differences in circulating parathyroid hormone. Kalu DN, et al. **Horm Metab Res** 1984 Dec; 16(12):654-7

Parathyroid hormone and calcitonin in thyrotoxicosis. Zanatta GP, et al. **Horm Metab Res** 1984 Jul;16(7):384

Fate of parathyroid hormone during hemodialysis and ultrafiltration. Burckhardt P, et al. **Horm Res** 1985; 21(1):46-54

Parathyroid hormone concentration in the serum of people with cadmium-induced renal damage. Nogawa K, et al. **Int Arch Occup Environ Health** 1984;54(3):187-93

Examination of circulating parathyroid hormone in pseudohypoparathyroidism. Mitchell J, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):328-34

Influence of continuous infusion of citrate on responses of immunoreactive parathyroid hormone, calcium and magnesium components, and other electrolytes in normal adults during plateletapheresis. Toffaletti J, et al. **J Clin Endocrinol Metab** 1985 May;60(5):874-9

Evidence for alteration of the vitamin D-endocrine system in obese subjects. Bell NH, et al. **J Clin Invest** 1985 Jul; 76(1):370-3

Prolactin and calcium metabolism: influence of hyperprolactinemia on immunoreactive parathyroid hormone levels in man and in the rat. Fiore CE, et al. **J Endocrinol Invest** 1984 Dec;7(6):647-52

Exercise-induced hypercalcemia and the calciotropic hormones. Aloia JF, et al. **J Lab Clin Med** 1985 Sep; 106(3):229-32

Studies of circulating parathyroid hormone in man by a homologous amino-terminal specific radioimmunoassay. Konagaya Y, et al. **Jpn J Med** 1984 Aug;23(3):199-204

Effect of plasma levels of parathyroid hormone on NADPH pathways in kidney and liver. Bachelet M, et al. **Kidney Int** 1985 Feb;27(2):401-4

Effect of 24,25(OH)2D3 on PTH levels and bone histology in dogs with chronic uremia. Olgaard K, et al. **Kidney Int** 1984 Dec;26(6):791-7

Parathyroid and bone response of the diabetic patient to uremia. Vincenti F, et al. **Kidney Int** 1984 Apr;25(4):677-82

Determining the cause of hypercalcaemia [editorial] **Lancet** 1985 Feb 16;1(8425):376-7

Parathyroid hormone responses to the dopaminergic agonist 2-amino-6,7-dihydroxy-1,2,3,4-tetrahydronaphthalene. Blum JW, et al. **Life Sci** 1984 Oct 1;35(14):1469-74

Effect of hypermagnesemia on circulating plasma parathyroid hormone in patients on regular hemodialysis therapy. McGonigle RJ, et al. **Magnesium** 1984;3(1):1-7

Serum phosphate, parathyroid hormone and vitamin D metabolites in patients with chronic renal failure: effect of aluminum hydroxide administration. Takamoto S, et al. **Nephron** 1985;40(3):286-91

Effects of changes in serum calcium and parathyroid hormone on plasma renin in intact mongrel dogs. Zawada ET Jr, et al. **Nephron** 1985;40(3):368-71

Changes in parathyroid hormone and calcium levels after superior cervical ganglionectomy of rats. Cardinali DP, et al. **Neuroendocrinology** 1985 Apr;40(4):291-6

The hypocalcemia associated with magnesium infusion is mediated through parathyroid hormone. **Nutr Rev** 1984 Sep;42(9):315-7

Humoral hypercalcemia of malignancy (pseudohyperparathyroidism) [letter] Peter SA. **NY State J Med** 1985 Jun;85(6):242

Evaluation of the intact hormone assay in the study of parathyroid autograft function. Wijeyesinghe EC, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:426-30

Immunoreactive parathyroid hormone and calcitonin in plasma and ultrafiltrate before and after haemodialysis. Fauchald P, et al. **Scand J Clin Lab Invest** 1985 May; 45(3):229-35

Parathyroid response to hypocalcemia after treatment of hemorrhagic shock. Lucas CE, et al. **Surgery** 1984 Oct; 96(4):711-6

[Circulating parathyroid hormone levels and factors affecting these levels in normal individuals] Xiang KS. **Chung Hua I Hsueh Tsa Chih** 1984 Oct;64(10):606-9 (Eng. Abstr.) **(Chi)**

NEWARK PUBLIC LIBR

[Diagnosis of primary hyperparathyroidism by selective determination of parathyroid hormones] Bick C, et al. **Z Urol Nephrol** 1985 May;78(5):237-43 (Eng. Abstr.) **(Ger)**

[Association of serum tumor markers in solid neoplasms (CEA, ferritin, alpha 1-antitrypsin, parathormone and calcitonin)] Di Martino G, et al. **Boll Ist Sieroter Milan** 1982;61(5):411-22 (Eng. Abstr.) **(Ita)**

[Serum concentrations of calcitonin and parathormone in the cord blood of premature infants] Bruchi S, et al. **Boll Soc Ital Biol Sper** 1984 Sep 30;60(9):1703-8 (Eng. Abstr.) **(Ita)**

[The role of calcitonin and parathormone in post-thyroidectomy hypocalcemia] Busetto E, et al. **Minerva Endocrinol** 1984 Jan-Mar;9(1):31-6 (Eng. Abstr.) **(Ita)**

[Evaluation of terminal parathormone NH2 and COOH and plasma calcitonin in the blood of uremic patients under hemodialysis therapy] Di Landro D, et al. **Minerva Med** 1985 Mar 10;76(9-10):419-23 **(Ita)**

[Experimental studies of PTH-C radioimmunoassay kit] Kanamori I, et al. **Radioisotopes** 1984 Jul;33(7):467-70 **(Jpn)**

[Interrelations between divalent cations, pancreatic islet cell function and calcium-regulating hormones in altered glucose concentration of the blood] Zoloev GK, et al. **Fiziol Cheloveka** 1984 May-Jun;10(3):450-3 **(Rus)**

[Calcitrophic hormone content--calcitonin and parathyrin--of chronic ischemic heart disease patients] Pimenov LT. **Kardiologiia** 1985 Feb;25(2):52-5 (Eng. Abstr.) **(Rus)**

[Status of phosphorus-calcium metabolism and calcium-regulating systems in diabetes mellitus] Akhmedova ZG, et al. **Klin Med (Mosk)** 1985 Mar; 63(3):103-6 (Eng. Abstr.) **(Rus)**

[Serum parathyroid hormone and calcitonin levels in bronchial asthma in relation to glucocorticoid therapy] Akhundov SN, et al. **Klin Med (Mosk)** 1985 Jun;63(6):71-4 (Eng. Abstr.) **(Rus)**

[Hormones regulating phosphorus-calcium metabolism in patients with systemic lupus erythematosus nephritis and Bright disease] Strunin SE, et al. **Klin Med (Mosk)** 1985 Jun;63(6):61-4 (Eng. Abstr.) **(Rus)**

[Carcinoembryonic antigen and hormonal polypeptides in patients with lung cancer] Afrikian MN, et al. **Med Radiol (Mosk)** 1985 Apr;30(4):7-10 (Eng. Abstr.) **(Rus)**

[Radioimmunoassay in the testing of new pharmacological agents] Ametov AS, et al. **Med Radiol (Mosk)** 1984 Nov; 29(11):23-5 (Eng. Abstr.) **(Rus)**

[Phosphorus and calcium metabolism and its hormonal regulation in chronic kidney failure] Nikiforova NV, et al. **Ter Arkh** 1985;57(1):103-7 (Eng. Abstr.) **(Rus)**

[Changes in parathyroid hormone levels during the treatment of fractures of long tubular bones using the Ilizarov method] Chepelenko TA, et al. **Vopr Med Khim** 1985 May-Jun;31(3):103-6 (Eng. Abstr.) **(Rus)**

[Particular problems in the radioimmunoassay determination of human parathyroid hormone levels in serum] Odavić M, et al. **Srp Arh Celok Lek** 1984 Jan;112(1):21-34 (Eng. Abstr.) **(Scc)**

DEFICIENCY

Parathormone and blood pressure in the spontaneously hypertensive rat. Mann JF, et al. **Adv Exp Med Biol** 1984; 178:291-3

DIAGNOSTIC USE

[Urinary phosphate and cyclic adenosine monophosphate response to intravenous administration of synthetic human parathyroid hormone-(1-34) in idiopathic hypoparathyroidism, pseudohypoparathyroidism, pseudopseudohypoparathyroidism and normal subjects] Fukami T, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Mar 20;60(3):159-70 (Eng. Abstr.) **(Jpn)**

[Standard procedure and the diagnostic criteria for the Ellsworth-Howard test using human PTH-(1-34)] Ogata E, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Aug 20; 60(8):971-84 (Eng. Abstr.) **(Jpn)**

GENETICS

Mapping parathyroid hormone, beta-globin, insulin, and LDH-A genes within the human chromosome 11 short arm by spot blotting sorted chromosomes. Lebo RV, et al. **Hum Genet** 1985;69(4):316-20

A mitotic recombination in Wilms tumor occurs between the parathyroid hormone locus and 11p13. Raizis AM, et al. **Hum Genet** 1985;70(4):344-6

Restriction fragment length polymorphisms at the human parathyroid hormone gene locus. Schmidtke J, et al. **Hum Genet** 1984;67(4):428-31

Single stranded DNA SP6 promoter plasmids for engineering mutant RNAs and proteins: synthesis of a 'stretched' preproparathyroid hormone. Mead DA, et al. **Nucleic Acids Res** 1985 Feb 25;13(4):1103-18

Regulation by vitamin D metabolites of messenger ribonucleic acid for preproparathyroid hormone in isolated bovine parathyroid cells. Silver J, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4270-3

Germ-line chromosomal localization of genes in chromosome 11p linkage: parathyroid hormone, beta-globin, c-Ha-ras-1, and insulin. Chaganti RS, et al. **Somatic Cell Mol Genet** 1985 Mar;11(2):197-202

IMMUNOLOGY

Development of monoclonal antibodies against parathyroid hormone: genetic control of the immune response to human PTH. Nussbaum SR, et al. **Methods Enzymol** 1985; 109:625-38

Identification of a monoclonal antibody which interacts with the parathyroid hormone receptor-adenylate cyclase system in murine bone. Weinshank RL, et al. **Mol Cell Endocrinol** 1985 Jul;41(2-3):237-46

Epitopes of the 44-68 human parathyroid hormone fragments: the importance of specific hydrophilic peptide sequences. Delmas A, et al. **Mol Immunol** 1985 Jun; 22(6):675-9

ISOLATION & PURIFICATION

Comparison of reversed-phase and cation-exchange high-performance liquid chromatography for separating closely related peptides: separation of Asp76-human parathyroid hormone (1-84) from Asn76-human parathyroid hormone (1-84). Kumagaye KY, et al. **J Chromatogr** 1985 Jun 26;327:327-32

METABOLISM

Effects of benzyl alcohol on PTH receptor-adenylate cyclase system of canine kidney. Martin KJ, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E31-5

PTH release stimulated by high extracellular potassium is associated with a decrease in cytosolic calcium in bovine parathyroid cells. Shoback DM, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):684-90

Selective effects of gold (III) on parathyroid hormone-, prostaglandin E2- and guanine nucleotide-sensitive adenylate cyclase. van Valen F, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):580-7

Skeletal adenylate cyclase: effect of Mg2+, Ca2+, and PTH. Rude RK. **Calcif Tissue Int** 1985 May;37(3):318-23

Immunocytochemical evidence for endogenous calcitonin and parathyroid hormone in osteoblasts from the calvaria of neonatal mice. Absence of endogenous estradiol and estradiol receptors. Morel G, et al. **Cell Tissue Res** 1985; 240(1):89-93

Parathyroid hormone-like bioactivity in a patient with severe osteitis fibrosa cystica due to malignancy: renotropic actions of a tumour extract as assessed by cytochemical bioassay. Loveridge N, et al. **Clin Endocrinol (Oxf)** 1985 Feb;22(2):135-46

Use of bovine parathyroid hormone, labelled specifically in the N-terminal region by [3H]methyl exchange, to compare hepatic and renal metabolism of this hormone in the rat. Barling PM, et al. **Comp Biochem Physiol [B]** 1984; 79(3):435-40

Immunoreactive parathyroid hormone is present in subretinal fluids of the human eye. Bialasiewicz AA, et al. **Curr Eye Res** 1985 May;4(5):619-25

Metabolism of radioiodinated carboxy-terminal fragments of bovine parathyroid hormone in normal and anephric rats. D'Amour P, et al. **Endocrinology** 1985 Jul;117(1):127-34

Absence of biological effects of oxidized parathyroid hormone-(1-34) in dogs and rats. Galceran T, et al. **Endocrinology** 1984 Dec;115(6):2375-8

Rat parathyroid hormone-(1-34) fragment: renal adenylate cyclase activity and receptor binding properties in vitro. Keutmann HT, et al. **Endocrinology** 1985 Sep;117(3):1230-4

Binding of intact parathyroid hormone to rat osteosarcoma cells: major contribution of binding sites for the carboxyl-terminal region of the hormone. Rao LG, et al. **Endocrinology** 1985 Oct;117(4):1632-8

Formation of water-soluble complex between the 1-34 fragment of parathyroid hormone and dimyristoylphosphatidylcholine. Epand RM, et al. **Int J Pept Protein Res** 1985 Jun;25(6):594-600

Characterization of parathyroid hormone fragments produced by cathepsin D. Zull JE, et al. **J Biol Chem** 1985 Feb 10;260(3):1608-13

Regulation of parathyroid hormone release and cytosolic calcium by extracellular calcium in dispersed and cultured bovine and pathological human parathyroid cells. LeBoff MS, et al. **J Clin Invest** 1985 Jan;75(1):49-57

Squamous cell carcinoma of the renal pelvis associated with hypercalcemia and the presence of parathyroid hormone-like substances in the tumor. Diaz González R, et al. **J Urol** 1985 Jun;133(6):1029-30

Distribution and concentration of immunoreactive parathyroid hormone in brain and pituitary of sheep. Balabanova S, et al. **Klin Wochenschr** 1985 May 2; 63(9):419-22

Effect of the parasympathetic system on secretion of parathyroid hormone. Williams GA, et al. **Metabolism** 1985 Jul;34(7):612-5

Normocalcemic primary hyperparathyroidism: resistance to PTH effect on tubular reabsorption of calcium. Gardin JP, et al. **Miner Electrolyte Metab** 1984;10(5):301-8

Interaction of extracellular calcium and magnesium in the regulation of cytosolic calcium and PTH release in dispersed bovine parathyroid cells. Shoback DM, et al. **Mol Cell Endocrinol** 1984 Dec;38(2-3):179-86

parathyroid hormone concentrations in maternal and fetal blood and in amniotic fluid from pregnant rats. Harada I, et al. **Nippon Juigaku Zasshi** 1984 Dec;46(6):893-6

Hormonal and electrolyte responses during and after open heart surgery. Chambers DJ, et al. **Thorac Cardiovasc Surg** 1984 Dec;32(6):358-64

The effects of calcium and vitamin D metabolites on cytoplasmic mRNA coding for pre-proparathyroid hormone in isolated parathyroid cells. Russell J, et al. **Trans Assoc Am Physicians** 1984;97:296-303

PHARMACODYNAMICS

The effects of parathyroid hormone on osteoblast-like cells from embryonic chick calvaria. Hall AK, et al. **Acta Endocrinol (Copenh)** 1985 Feb;108(2):217-23

Insulin modulates the stimulation of renal 1,25-dihydroxyvitamin D3 production by parathyroid hormone. Wongsurawat N, et al. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):243-8

ATP as a factor in the response of the cAMP system to PTH in proximal and distal convoluted tubules. Dousa TP, et al. **Adv Exp Med Biol** 1984;178:139-44

Evidence of bPTH-(1-34) sensitive adenylate cyclase in isolated rabbit renal cortex arterioles. Helwig JJ, et al. **Adv Exp Med Biol** 1984;178:303-9

The biochemical modifications of the brush border membrane induced by vitamin D and parathyroid hormone in their actions on phosphate transport. Hruska K, et al. **Adv Exp Med Biol** 1984;178:3-19

Trifluoperazine attenuation of PTH-induced vasodilation in the spontaneously hypertensive rat. McCarron DA, et al. **Adv Exp Med Biol** 1984;178:295-302

Different effects of parathyroid hormone on epithelial transport. Sabatini S, et al. **Adv Exp Med Biol** 1984; 178:145-9

Cardiovascular responses to parathyroid hormone. Crass MF 3d, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):E187-94

Relationship among parathyroid hormone, cAMP, and calcium on proximal tubule sodium transport. Dolson GM, et al. **Am J Physiol** 1985 Sep;249(3 Pt 2):F409-16

Parathyroid hormone and dibutyryl cAMP inhibit Na+/H+ exchange in renal brush border vesicles. Kahn AM, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):F212-8

Effect of parathyroid hormone on the determinants of glomerular filtration in dogs. Marchand GR. **Am J Physiol** 1985 Apr;248(4 Pt 2):F482-6

Effect of PTH on blood pressure and response to vasoconstrictor agonists. Saglikes Y, et al. **Am J Physiol** 1985 May;248(5 Pt 2):F674-81

cAMP response of vascular smooth muscle cells to bovine parathyroid hormone. Stanton RC, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E822-6

Developmental changes in the phosphaturic response to parathyroid hormone in the rat. Webster SK, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F251-5

Mechanical and hormonal stimulation of cell cultures derived from young rat mandible condyle. Shimshoni Z, et al. **Arch Oral Biol** 1984;29(10):827-31

Effects of parathyroid hormone on cAMP production and alkaline phosphatase activity in osteoblastic clone MC3T3-E1 cells. Nakatani Y, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):894-8

Direct effect of parathyroid hormone on the proliferation of osteoblast-like cells; a possible involvement of cyclic AMP. van der Plas A, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):918-25

Possible role of calcium mediators in parathyroid hormone action on phosphate transport in rabbit renal brush border membrane. Yanagawa N, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):278-84

Stimulation of creatine kinase BB activity by parathyroid hormone and by prostaglandin E2 in cultured bone cells. Sömjen D, et al. **Biochem J** 1985 Feb 1;225(3):591-6

Differential effects of parathyroid hormone responsive cultured human cells on biological activity of parathyroid hormone and parathyroid hormone inhibitory analogues. Goldring SR, et al. **Biochemistry** 1985 Jan 15;24(2):513-8

Differential effects of parathyroid hormone and somatomedin-like growth factors on the sizes of proteoglycan monomers and their synthesis in rabbit costal chondrocytes in culture. Hiraki Y, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):445-53

Regulation of 24,25-dihydroxyvitamin D-3 production by 1,25-dihydroxyvitamin D-3 and synthetic human parathyroid hormone fragment 1-34 in a cloned monkey kidney cell line (JTC-12). Matsumoto T, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):358-65

Phospholipid metabolism in rat kidney cortical tubules. II. Effects of hormones on 32P incorporation. Wirthensohn G, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):401-10

The vasorelaxant action of parathyroid hormone fragments on isolated rat tail artery. Pang PK, et al. **Blood Vessels** 1985;22(2):57-64

Calciotropic hormones as possible modulators of rat extrapyramidal motor system. Patti F, et al. **Boll Soc Ital Biol Sper** 1984 Sep 30;60(9):1771-7

Modulation of PTH-stimulated cyclic AMP in cultured rodent bone cells: the effects of 1,25(OH)2 vitamin D3 and its interaction with glucocorticoids. Chen TL, et al. **Calcif Tissue Int** 1984 Sep;36(5):580-5

Calcium homeostasis: the effect of parathyroid hormone on bone membrane electrical potential difference. Peterson DR, et al. **Calcif Tissue Int** 1985 May;37(3):307-11

The effects of parathyroid hormone, dibutyryl cyclic AMP, calcitonin and colchicine on glucosamine incorporation into bone cells. Severson AR. **Cell Mol Biol** 1985; 31(4):251-7

Opposite effects exist in cardiovascular control after central and peripheral administration of calcitonin (CT) and parathyroid hormone (PTH). Delbarre B, et al. **Clin Exp Hypertens** [A] 1984;6(10-11):2079-84

The effects of calcitonin, parathyroid hormone and prostaglandin E2 on cyclic AMP levels of isolated osteoclasts. Ito MB, et al. **Comp Biochem Physiol [A]** 1985; 81(3):653-7

Parathyroid hormone. A specific potent vasodilator. Pang PK, et al. **Contrib Nephrol** 1984;41:137-45

1,25-Dihydroxyvitamin D production after stimulation with synthetic human parathyroid hormone (1-34) in hypoparathyroid and renal tubular disorders. Yasuda T, et al. **Endocrinol Jpn** 1984 Aug;31(4):407-15

Cationized serum albumin enhances response of cultured fetal rat long bones to parathyroid hormone. Bergmann PJ, et al. **Endocrinology** 1985 May;116(5):1729-33

Adenylate cyclase of osteoblast-like cells from rat osteosarcoma is stimulated by calcitonin as well as parathyroid hormone. Gutierrez GE, et al. **Endocrinology** 1984 Dec;115(6):2342-6

Parathyroid hormone modulation of 25-hydroxyvitamin D3 metabolism by cultured chick kidney cells is mimicked and enhanced by forskolin. Henry HL. **Endocrinology** 1985 Feb; 116(2):503-10

Effects of human erythrocyte guanine nucleotide-binding regulatory protein on parathyroid hormone-responsive adenylate cyclase from canine renal cortex. Levine MA, et al. **Endocrinology** 1984 Oct;115(4):1386-91

Influence of forskolin on the parathyroid hormone dependent adenylate cyclase system of canine kidney: evidence for noncatalytic effects of forskolin. Martin KJ, et al. **Endocrinology** 1984 Nov;115(5):1678-82

Bone cell phosphotyrosine phosphatase: characterization and regulation by calcitropic hormones. Puzas JE, et al. **Endocrinology** 1985 Jun;116(6):2463-8

Effects of synthetic analogs and fragments of bovine parathyroid hormone on adenosine 3',5'-monophosphate level, ornithine decarboxylase activity, and glycosaminoglycan synthesis in rabbit costal chondrocytes in culture: structure-activity relations. Takano T, et al. **Endocrinology** 1985 Jun;116(6):2536-42

Parathyroid hormone enhances glucagon secretion from the isolated perfused rat pancreas preparation. Wingert TD, et al. **Endocrinology** 1985 Jun;116(6):2469-72

Renal proximal tubular alpha-adrenergic receptors oppose urinary 3,5'-cyclic adenosine monophosphate response to parathyroid hormone in vivo. Woodcock EA, et al. **Endocrinology** 1985 Mar;116(3):1085-9

Effect of renal function on renal responsiveness to parathyroid hormone in primary hyperparathyroidism and chronic renal failure. Lewin IG, et al. **Eur J Clin Invest** 1985 Feb;15(1):38-44

Lack of a direct role for cyclic AMP in parathyrin action on phosphate reabsorption by the kidney. Parveen R, et al. **FEBS Lett** 1984 Oct 15;176(1):220-2

Cardiac actions of bovine parathyroid hormone fragment (1-34) in some lower vertebrates. Furspan PB, et al. **Gen Comp Endocrinol** 1984 Nov;56(2):246-51

Comparisons of avian renal responses to bovine parathyroid extract, synthetic bovine (1-34) parathyroid hormone, and synthetic human (1-34) parathyroid hormone. Wideman RF Jr, et al. **Gen Comp Endocrinol** 1985 Mar;57(3):480-90

First clinical observations with hPTH(1-38), a more potent human parathyroid hormone peptide. Hesch RD, et al. **Horm Metab Res** 1984 Oct;16(10):559-60

Induction of spermidine/spermine N1-acetyltransferase by parathyroid hormone in rabbit costal chondrocytes in culture. Matsui-Yuasa I, et al. **J Biochem (Tokyo)** 1985 Jan; 97(1):387-90

Transient and sustained effects of hormones and calcium on membrane potential in a bone cell clone. Ferrier J, et al. **J Cell Physiol** 1985 Jan;122(1):53-8

Calcium transport in canine renal basolateral membrane vesicles. Effects of parathyroid hormone. Scoble JE, et al. **J Clin Invest** 1985 Apr;75(4):1096-105

Effect of parathyroid hormone and calcitonin on the cytoplasmic spreading of isolated osteoclasts. Chambers TJ, et al. **J Endocrinol** 1984 Sep;102(3):281-6

Evidence for a novel inhibition of calcium uptake into chick bone in response to bovine parathyroid hormone (1-34) or 16, 16-dimethyl prostaglandin E2 in vivo. Shaw AJ, et al. **J Endocrinol** 1985 Jun;105(3):R5-8

The effects of calcium regulating hormones on bone resorption by isolated human osteoclastoma cells. Chambers TJ, et al. **J Pathol** 1985 Apr;145(4):297-305

Effect of parathyroid hormone on myocardial energy metabolism in the rat. Baczynski R, et al. **Kidney Int** 1985 May;27(5):718-25

Prostaglandin E2 and parathyroid hormone: comparisons of their actions on the rabbit proximal tubule. Dominguez JH, et al. **Kidney Int** 1984 Oct;26(4):404-10

Organ distribution of aluminium in uremic rats: influence of parathyroid hormone and 1,25-dihydroxyvitamin D3. Hirschberg R, et al. **Miner Electrolyte Metab** 1985; 11(2):106-10

Parathyroid hormone and 1,25-dihydroxyvitamin D3 affect the tissue concentrations of zinc in uremic rats. Hirschberg R, et al. **Nephron** 1985;39(3):277-9

Stimulation by glucagon and PTH of Ca and Mg reabsorption in the superficial distal tubule of the rat kidney. Bailly C, et al. **Pflugers Arch** 1985 Jan;403(1):28-34

Effect of chronic elevation of plasma calcium concentration by PTH or vitamin D3 on blood pressure and hypotensive activity of nifedipine in rats. Jonkman FA, et al. **Pflugers Arch** 1984 Dec;402(4):341-4

Renal refractoriness to PTH in experimental Fanconi syndrome: evidence for intact adenylate cyclase activation. Wald H, et al. **Pflugers Arch** 1984 Sep;402(1):116-9

Effects of calcitonin, parathyroid hormone and its related fragments on acquisition of active avoidance behavior. Clementi G, et al. **Physiol Behav** 1984 Dec;33(6):913-6

Effect of parathyroid hormone on total phosphate and inorganic phosphate in blood, plasma, and urine of domestic fowl. Klinefelter BB, et al. **Poult Sci** 1984 Nov; 63(11):2285-91

Activation of avian medullary bone osteoclasts by oxidized synthetic parathyroid hormone (1-34). Miller SC, et al. **Proc Soc Exp Biol Med** 1985 May;179(1):38-43

Characteristics of the coronary blood flow response to human PTH-(1-34). Crass MF 3d. **Proc West Pharmacol Soc** 1984; 27:201-4

Stimulation of arachidonic acid metabolism in primary cultures of osteoblast-like cells by hormones and drugs. Feyen JH, et al. **Prostaglandins** 1984 Dec;28(6):769-81

[Parathyroid hormone fragments relax guinea pig trachea in vitro] Yan YJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):198-201 (Eng. Abstr.) **(Chi)**

[Influence of bovine parathyroid hormone-(1-34) on the contraction of the rat vas deferens and the effect of calcium] Yang W, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):51-5 (Eng. Abstr.) **(Chi)**

[The effect of parathormone on the uptake of radioactive rubidium 86Rb in the tissues in rats] Kapitola J, et al. **Sb Lek** 1984 Oct;86(10):303-7 (Eng. Abstr.) **(Cze)**

[Bone changes with long term administration of low dose 1-34 human PTH on adult beagles] Inoue J. **Nippon Seikeigeka Gakkai Zasshi** 1985 Apr;59(4):409-27 (Eng. Abstr.) **(Jpn)**

[Inotropic effect of parathormone] Merzon KA, et al. **Kardiologiia** 1985 May;25(5):108-10 **(Rus)**

PHYSIOLOGY

Glucocorticoid-induced inhibition of the reabsorption of inorganic phosphate in the proximal tubule in the absence of parathyroid hormone. Frick A, et al. **Adv Exp Med Biol** 1984;178:81-6

Calcium, parathyroid hormone, and hypertension. McCarron DA, et al. **Adv Nephrol** 1985;14:479-501 (75 ref.)

Calcium metabolism in pregnancy and the perinatal period: a review. Pitkin RM. **Am J Obstet Gynecol** 1985 Jan 1; 151(1):99-109 (135 ref.)

Effects and interrelationships of PTH, Ca2+, vitamin D, and Pi in acid-base homeostasis. Hulter HN. **Am J Physiol** 1985 Jun;248(6 Pt 2):F739-52 (96 ref.)

Parathyroid hormone contributes to volume expansion-induced inhibition of proximal reabsorption. Mercier O, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):F100-3

Calcium hormones in diabetic pregnancy. Donatelli M, et al. **Boll Soc Ital Biol Sper** 1984 Aug 31;60(8):1503-8

Parathyroid hormone as a uremic toxin: its influence on T lymphocyte receptors [letter] Giacchino F, et al. **Clin Nephrol** 1985 Feb;23(2):105-6

Parathyroid hormone and uremic myocardiopathy. Massry SG. **Contrib Nephrol** 1984;41:231-9

Effect of acute cimetidine administration on indices of parathyroid hormone action in healthy subjects and patients with primary and secondary hyperparathyroidism. Glaser B, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):993-7

Dissociation between the effects of endogenous parathyroid hormone on adenosine 3',5'-monophosphate generation and phosphate reabsorption in hypocalcemia due to vitamin D depletion: an acquired disorder resembling pseudohypoparathyroidism type II. Rao DS, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):285-90

Role of parathyroid hormone in the glucose intolerance of chronic renal failure. Akmal M, et al. **J Clin Invest** 1985 Mar;75(3):1037-44

Vitamin D-endocrine system. Bell NH. **J Clin Invest** 1985 Jul;76(1):1-6 (126 ref.)

Vitamin D status regulates 25-hydroxyvitamin D3-1 alpha-hydroxylase and its responsiveness to parathyroid hormone in the chick. Booth BE, et al. **J Clin Invest** 1985 Jan;75(1):155-61

Evaluation of the biological properties of parathyroid hormone and analogues in a vascularly isolated parotid gland-based assay. Wright RD, et al. **J Endocrinol** 1984 Sep;102(3):375-9

Hypotensive action of parathyroid hormone in chicken. Pang PK, et al. **J Exp Zool** 1984 Dec;232(3):691-6

Potential role of parathyroid hormone as an inhibitor of erythropoiesis in the anemia of renal failure. McGonigle RJ, et al. **J Lab Clin Med** 1984 Dec;104(6):1016-26

Actions of parathyroid hormone are not impaired during chronic metabolic acidosis. Wong NL, et al. **J Lab Clin Med** 1985 Apr;105(4):472-8

Effects of vitamin D on renal handling of calcium, magnesium and phosphate in the hamster. Burnatowska MA, et al. **Kidney Int** 1985 Jun;27(6):864-70

Distribution of parathyroid hormone-sensitive adenylate cyclase in isolated rabbit renal cortex microvessels and glomeruli. Helwig JJ, et al. **Life Sci** 1984 Dec 24; 35(26):2649-57

Do cyclic AMP concentrations in saliva reflect PTH biologic activity? Kraiem Z, et al. **Metabolism** 1985 Jun;34(6):505-8

Calcium, parathyroid hormone and phospholipid turnover of human red blood cells. Brautbar N, et al. **Miner Electrolyte Metab** 1985;11(2):111-6

Parathyroid hormone in aluminum bone disease [letter] Duarte R. **N Engl J Med** 1985 Jun 13;312(24):1577-8

PTH independent sex difference in renal handling of inorganic phosphate in the rat: effect of oophorectomy. Frick A, et al. **Pflugers Arch** 1985 May;404(2):172-7

Ectopic calcification. The role of parathyroid hormone. De Francisco AM, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:888-94

Role of calcium in the initiation of hormonal effects on bone. Stern PH. **Prog Clin Biol Res** 1984;168:159-64

[Parathormone as a uremic toxin. Physiopathological bases and general therapeutic guidelines] Brancaccio D, et al. **Minerva Med** 1985 Mar 10;76(9-10):377-82 **(Ita)**

[Calcitonin, parathyroid hormones, calcium ion, cyclic 3,5-adenosine monophosphate (cAMP) and erythrocyte deformability] Gennari C, et al. **Ric Clin Lab** 1985;15 Suppl 1:465-73 (Eng. Abstr.) **(Ita)**

[Aging and calcium regulating hormones] Onishi T, et al. **Nippon Ronen Igakkai Zasshi** 1984 Mar;21(2):84-9 (Eng. Abstr.) **(Jpn)**

[Effect of enkephalins on the calcium-regulating function of the endocrine glands] Zoloev GK, et al. **Probl Endokrinol (Mosk)** 1985 Jan-Feb;31(1):42-4 (Eng. Abstr.) **(Rus)**

SECRETION

Differential calcium response of normal and adenomatous parathyroid glands. Dietel M, et al. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):375-81

Stimulus-secretion coupling of parathyroid hormone release: studies of 45Ca and 86Rb fluxes. Wallfelt C, et al. **Acta Physiol Scand** 1985 Jun;124(2):239-45

Abnormalities in parathyroid hormone secretion in primary and secondary hyperparathyroidism. Morrissey J, et al. **Adv Exp Med Biol** 1984;178:389-98

Prolactin stimulation of parathyroid hormone secretion in bovine parathyroid cells. Magliola L, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E675-80

Severe hypercalcaemia due to a parathyroid-type hormone-secreting tumour of the liver treated by hepatic transplantation. A rare combination of biochemical problems and discussion of their management. Sealey MM. **Anaesthesia** 1985 Feb;40(2):170-7

Localization of parathyroid hormone-like substance in squamous cell carcinomas. An immunoperoxidase study with ultrastructural correlation. Ilardi CF, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):752-5

Inhibition by 1,25 dihydroxycholecalciferol of hormonal secretion of rat parathyroid gland in organ culture. Au WY. **Calcif Tissue Int** 1984 Jul;36(4):384-91

Hypomagnesaemia: studies of parathyroid hormone secretion and function. Allgrove J, et al. **Clin Endocrinol (Oxf)** 1984 Oct;21(4):435-49

Electrical and chemical stimulation of cervical sympathetic nerves in the dog does not affect secretion of parathyroid hormone. Heath H 3d, et al. **Endocrinology** 1985 May; 116(5):1977-82

Parathyroid hormone responses to calcium stress during eggshell calcification. van de Velde JP, et al. **Endocrinology** 1984 Nov;115(5):1901-4

Effect of the phorbol ester TPA on PTH secretion. Evidence for a role for protein kinase C in the control of PTH release. Brown EM, et al. **FEBS Lett** 1984 Sep 17;175(1):72-5

Immunohistochemistry in detection of paraneoplastic secretion of calcium regulating hormones. Arps H, et al. **Folia Histochem Cytobiol** 1984;22(3-4):173-7

Effect of secretin and test meal on parathyroid hormone secretion in normal man and in primary hyperparathyroidism. Williams GA, et al. **Horm Metab Res** 1984 Oct;16(10):555-6

Parathyroid hormone secretion from dispersed human hyperparathyroid cells: increased secretion in cells from hyperplastic glands versus adenomas. Cantley LK, et al. **J Clin Endocrinol Metab** 1985 May;60(5):1032-7

Pheochromocytoma with hypercalcemia: case report and review of literature. Shanberg AM, et al. **J Urol** 1985 Feb; 133(2):258-9

The relationship between PTH secretion and cytosolic calcium concentration in bovine parathyroid cells. Brown EM, et al. **Prog Clin Biol Res** 1984;168:139-44

Hypercalcemia in carcinoma of prostate. Its cure by orchiectomy. Patel S, et al. **Urology** 1985 Jun;25(6):627-9

[Increased urinary excretion of calcium and parathyroid hyperactivity in essential arterial hypertension. Effects of hydrochlorothiazide] Strazzullo P, et al. **Minerva Endocrinol** 1984 Jan-Mar;9(1):19-23 (Eng. Abstr.) **(Ita)**

[Daily secretion of parathyroid hormone in adult subjects] Mauri R, et al. **Minerva Med** 1985 Jun 30;76(26-27):1271-3 (Eng. Abstr.) **(Ita)**

URINE

Basal parathyroid activity and renal calcium handling during

NEWARK PUBLIC LIBRARY

an intravenous calcium load. Cirillo M, et al. **Nephron** 1984; 38(3):167-9

PARATHYROID NEOPLASMS

Natural history of parathyroid carcinoma. Diagnosis, treatment, and results. Wang CA, et al. **Am J Surg** 1985 Apr;149(4):522-7

ANALYSIS

Analysis of immunoreactive and biologically active human parathyroid hormone-peptides by high-performance-liquid-chromatography. Schettler T, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):60-9

BLOOD

Treatment of hypercalcemia in parathyroid cancer with WR-2721, S-2-(3-aminopropylamino)ethyl-phosphorothioic acid. Glover DJ, et al. **Ann Intern Med** 1985 Jul;103(1):55-7

Parathyroid carcinoma: biochemical and pathologic response to DTIC. Calandra DB, et al. **Surgery** 1984 Dec; 96(6):1132-7

[Parathyroid carcinoma] Gottswinter JM, et al. **Klin Wochenschr** 1984 Jul 2;62(13):613-20 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Multiple parathyroid tumors: a statistical method for distinguishing multiple adenoma from hyperplasia. Allen TB. **J Theor Biol** 1985 Feb 7;112(3):479-92

COMPLICATIONS

A case of primary hyperparathyroidism, primary hyperaldosteronism and Cushing's disease. Herd GW. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):371-4

Parathyroid adenoma with primary hyperparathyroidism and tuberous sclerosis. A case report. Yin W, et al. **Chin Med J [Engl]** 1984 Aug;97(8):599-602

Disodium clodronate effective in management of severe hypercalcaemia caused by parathyroid carcinoma [letter] Jüngst D. **Lancet** 1984 Nov 3;2(8410):1043

[Hyperparathyroidism and large parathyroid cyst] Korhonen T, et al. **Duodecim** 1985;101(14):1380-2 (Eng. Abstr.) **(Fin)**

[Parathyrotoxic crisis in solitary mediastinal parathyroid adenoma] Jüttner FM, et al. **Chirurg** 1984 Aug;55(8):530-1 **(Ger)**

[A case of primary hyperparathyroidism (adenoma) associated with Albright's hereditary osteodystrophy] Sasaki H, et al. **Nippon Naika Gakkai Zasshi** 1984 Sep; 73(9):1325-33 **(Jpn)**

[A case of parathyroid adenoma with generalized decalcification and cyst-like bone changes] Majchrzak K. **Chir Narzadow Ruchu Ortop Pol** 1984;49(1):75-8 (Eng. Abstr.) **(Pol)**

[Dynamics of the bioelectric activity of the brain in patients with primary hyperparathyroidism treated surgically] Agafonov BV, et al. **Zh Nevropatol Psikhiatr** 1985; 85(3):368-71 (Eng. Abstr.) **(Rus)**

[Hyperparathyroidism. Report of a case of primary hyperparathyroidism caused by an adenoma (letter)] Murie Carrillo de Albornoz JM, et al. **Rev Clin Esp** 1985 Jun; 177(1):41-2 **(Spa)**

DIAGNOSIS

Ultrasonic appearance of adenomatous and hyperplastic parathyroid glands. Rastad J, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(6):471-5

Parathyroid carcinoma. A report of five cases. Calandra D, et al. **Am Surg** 1985 Jul;51(7):372-4

Pre-operative localization of parathyroid tumours using static b scan ultrasonography. Parrott NR, et al. **Br J Surg** 1984 Nov;71(11):856-8

Ultrasonically guided fine needle aspiration of suspect parathyroid tissue to determine parathyroid hormone concentration. Karstrup S, et al. **Br Med J [Clin Res]** 1985 Jan 26;290(6464):284

Halo sign around a parathyroid adenoma. Cornud F, et al. **JCU** 1985 Feb;13(2):124-6

Thyroid and parathyroid ultrasonography. Butch RJ, et al. **Radiol Clin North Am** 1985 Mar;23(1):57-71 (61 ref.)

Parathyroid adenomas evaluated by Tl-201/Tc-99m pertechnetate subtraction scintigraphy and high-resolution ultrasonography. Winzelberg GG, et al. **Radiology** 1985 Apr;155(1):231-5

Magnetic resonance imaging of the thyroid, thymus, and parathyroid glands. Stark DD, et al. **Surgery** 1984 Dec; 96(6):1083-91

Localization procedures in patients requiring reoperation for hyperparathyroidism. Clark OH, et al. **World J Surg** 1984 Aug;8(4):509-21

Ultrasonic localization and cytologic identification of parathyroid tumors. Rastad J, et al. **World J Surg** 1984 Aug;8(4):501-8

[Preoperative localization of parathyroid adenomas: significance, indications and results] Gigot JF, et al. **Acta Chir Belg** 1984 Jul-Aug;84(4):239-43 (Eng. Abstr.) **(Fre)**

[Preoperative localization of parathyroid adenomas: significance, indications and results (letter)] Reding R, et al. **Acta Chir Belg** 1985 Jan-Feb;85(1):77-8 **(Fre)**

[Preoperative detection of parathyroid masses in primary hyperparathyroidism using ultrasonic echography] Moreau JF. **Bull Acad Natl Med (Paris)** 1984 Mar-Apr; 168(3-4):377-81 (Eng. Abstr.) **(Fre)**

[Ultrasonic discovery of a latent thyroid adenocarcinoma associated with a parathyroid adenoma (letter)] Moreau JF, et al. **Presse Med** 1985 Jan 12;14(1):47 **(Fre)**

[Sonography of the neck in hypercalcemic crisis] Windeck R, et al. **Dtsch Med Wochenschr** 1985 Mar 8;110(10):368-70 (Eng. Abstr.) **(Ger)**

[Imaging of a parathyroid adenoma with magnetic resonance tomography] Halbsguth A, et al. **ROFO** 1984 Dec; 141(6):705-6 **(Ger)**

[High resolution real time sonography of parathyroid tumors] Schwerk WB, et al. **Ultraschall Med** 1985 Feb;6(1):13-8 (Eng. Abstr.) **(Ger)**

[Primary hyperparathyroidism] Arisi C. **Minerva Chir** 1985 Feb 28;40(4):219-27 **(Ita)**

[Visualization of parathyroid adenomas and the parathyroid glands (review of the literature)] Kalinin AP, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):131-8 (96 ref.) **(Rus)**

[Bidimensional ultrasonography in primary hyperparathyroidism] Acosta Delgado D, et al. **Med Clin (Barc)** 1985 May 25;84(20):803-5 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Oral biphosphonate therapy in metastatic parathyroid carcinoma [letter] Mann K. **Lancet** 1985 Jan 12; 1(8420):101-2

ETIOLOGY

Radiation-associated recurrent parathyroid adenoma. Rajatanavin R, et al. **Arch Intern Med** 1985 Jan; 145(1):154-5

Functional and morphological abnormalities of the parathyroid glands as late effects of irradiation for benign diseases] van Daal WA, et al. **Neth J Med** 1985;28(4):153-6

[Association of hyperplasia and cancer of the parathyroid glands in patients under dialysis. Pathogenetic hypotheses] Perin N, et al. **Minerva Med** 1985 Mar 10;76(9-10):425-8 **(Ita)**

FAMILIAL & GENETIC

The two-hit theory of neoplasia: implications for the pathogenesis of hyperparathyroidism. Jackson CE. **Cancer Genet Cytogenet** 1985 Jan 1;14(1-2):175-8

Latent familial multiple endocrine neoplasia in Tasmania. Shepherd JJ. **Med J Aust** 1985 Apr 1;142(7):395-7

PATHOLOGY

Peroperative evaluation of parathyroid glands using fat stain on frozen sections. Advantages and limitations. Farnebo LO, et al. **Acta Chir Scand [Suppl]** 1984;520:17-24

Value of high resolution real-time ultrasonography in secondary hyperparathyroidism. Clark OH, et al. **Am J Surg** 1985 Jul;150(1):9-17

Case report: clinical pathological correlations in a case of primary parathyroid carcinoma. Laks MS, et al. **Ann Clin Lab Sci** 1984 Nov-Dec;14(6):458-63

Parathyroid carcinoma of the oxyphil cell type. A report of two cases, light and electron microscopic study. Obara T, et al. **Cancer** 1985 Apr 1;55(7):1482-9

Parathyroid carcinoma: a case report and review. McPheeters GO, et al. **Hawaii Med J** 1985 Mar;44(3):104-8

Functioning oxyphil cell adenoma of the parathyroid gland: a clinicopathologic study of ten patients with hyperparathyroidism. Bedetti CD, et al. **Hum Pathol** 1984 Dec;15(12):1121-6

Histological diagnosis of carcinoma of the parathyroid gland. Smith JF, et al. **J Clin Pathol** 1984 Dec;37(12):1370-8

Intrathymic parathyroid adenoma in a child. Wu RH, et al. **NY State J Med** 1985 Jun;85(6):263-5

Parathyroid carcinoma presenting as tertiary hyperparathyroidism. Sherlock DJ, et al. **Postgrad Med J** 1985 Mar;61(713):243-4

Parathyroid aspiration biopsy under ultrasound guidance in the postoperative hyperparathyroid patient. Gooding GA, et al. **Radiology** 1985 Apr;155(1):193-6

Solitary parathyroid microadenoma. Rasbach DA, et al. **Surgery** 1984 Dec;96(6):1092-8

Non-functioning parathyroid carcinoma: a case report. Merlano M, et al. **Tumori** 1985 Apr 30;71(2):193-6

Successful resection of intrathoracic metastases from two patients with parathyroid carcinoma. Dubost C, et al. **World J Surg** 1984 Aug;8(4):547-51

[Real usefulness of intraoperative frozen-section biopsy in parathyroid pathology] Alajmo E. **Acta Otorhinolaryngol Ital** 1984 Jul-Aug;4(4):469-74 (Eng. Abstr.) **(Ita)**

[A case of multiple endocrine adenomatosis with atypical mesenteric localization of 2 gastrinomas] Fontana D, et al. **Minerva Chir** 1984 Sep 15;39(17):1165-70 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Parathyroid adenomas studied by digital subtraction angiography. Obley DL, et al. **Radiology** 1984 Nov; 153(2):449-51

[Masking of a parathyroid adenoma: false interpretation in computerized tomography] Wagner-Manslau C. **Rontgenblatter** 1984 Sep;37(9):314-6 (Eng. Abstr.) **(Ger)**

[CT evaluation of parathyroid tumor] Harioka T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1984 Jul 25; 44(7):948-55 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Localization of ectopic parathyroid adenomas by the technetium-thallium subtraction scan. Ott R, et al. **Am Surg** 1985 Jun;51(6):344-8

The anatomical value of technetium-thallium subtraction scanning in detection and location of parathyroid adenomas. Godlewski G, et al. **Anat Clin** 1984;6(4):281-5

Mediastinal parathyroid adenoma: a new method of localization. Ubhi CS, et al. **Br J Surg** 1984 Nov; 71(11):859-60

Dual isotope subtraction parathyroid scintigraphy in the preoperative evaluation of suspected hyperparathyroidism. Basarab RM, et al. **Clin Nucl Med** 1985 Apr;10(4):300-14

Localization of enlarged parathyroid glands by thallium-201 and technetium-99m subtraction imaging. Gland mass and parathormone levels in primary hyperparathyroidism. Gimlette TM, et al. **Clin Nucl Med** 1985 Apr;10(4):235-9

Parathyroid adenomas and hyperplasia. Dual radionuclide scintigraphy and bone densitometry studies. Gupta SM, et al. **Clin Nucl Med** 1985 Apr;10(4):243-7

Giant parathyroid adenoma demonstrated by dual tracer parathyroid imaging. Intenzo C, et al. **Clin Nucl Med** 1985 Apr;10(4):240-2

Demonstration of a parathyroid adenoma with Tc-99m MDP bone scintigraphy. Lafontaine S, et al. **Clin Nucl Med** 1984 Nov;9(11):661-2

Successful localisation of parathyroid adenomata by thallium-201 and technetium-99m subtraction scintigraphy: description of an improved technique. Fogelman I, et al. **Eur J Nucl Med** 1984;9(12):545-7

Scintigraphic detection of adenoma in primary hyperparathyroidism. Pauwels EK, et al. **Eur J Nucl Med** 1985;10(9-10):403-5

Preoperative localization of parathyroid tumors by 201Tl/99mTc subtraction scanning. Schoenenberger A, et al. **Eur Urol** 1985;11(1):17-21

Technetium-thallium subtraction images for location of parathyroid adenomata [letter] McKillop JH, et al. **J Nucl Med** 1984 Nov;25(11):1268

New perspectives in localizing enlarged parathyroids by technetium-thallium subtraction scan [letter] Urgancioğlu I, et al. **J Nucl Med** 1985 Jan;26(1):99-100

Radionuclide imaging of parathyroid tumors: historical perspectives and newer techniques. Winzelberg GG, et al. **Semin Nucl Med** 1985 Apr;15(2):161-70 (37 ref.)

[Initial results of preoperative localization of parathyroid adenomas using subtraction scintigraphy with technetium-99m and thallium-201] Bolk JH, et al. **Ned Tijdschr Geneeskd** 1985 Feb 2;129(5):216-20 (Eng. Abstr.) **(Dut)**

[Scintigraphic possibilities for the localization of pheochromocytomas and parathyroid adenomas] Piers DA. **Ned Tijdschr Geneeskd** 1985 Feb 2;129(5):199-201 **(Dut)**

[Is thallium scintigraphy of value in the preoperative localization of pathologic parathyroid glands?] Chapuis Y, et al. **J Chir (Paris)** 1984 Dec;121(12):709-13 (Eng. Abstr.) **(Fre)**

SECONDARY

Tumor-to-tumor metastasis: malignant melanoma metastatic to parathyroid adenoma. Inoshita T, et al. **Milit Med** 1985 Jun;150(6):323-5

SECRETION

Differential calcium response of normal and adenomatous parathyroid glands. Dietel M, et al. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):375-81

Parathyroid carcinoma with massive parathyroid hormone production and severe mitral incompetence: report of a case with review of the literature. Menkes AL, et al. **J Am Osteopath Assoc** 1984 Aug;83(12):852-6

Parathyroid hormone secretion from dispersed human hyperparathyroid cells: increased secretion in cells from hyperplastic glands versus adenomas. Cantley LK, et al. **J Clin Endocrinol Metab** 1985 May;60(5):1032-7

SURGERY

Recurrent hyperparathyroidism due to implantation of parathyroid tissue. Rattner DW, et al. **Am J Surg** 1985 Jun;149(6):745-8

A method for intraoperative identification of the recurrent laryngeal nerve. Woltering EA, et al. **Am J Surg** 1984 Oct; 148(4):438-40

Observations on 334 patients operated on for primary hyperparathyroidism. Sivula A, et al. **Ann Chir Gynaecol** 1985;74(2):66-73

Parathyroid carcinoma: pointers to successful management. Lillemoe KD, et al. **Ann R Coll Surg Engl** 1985 Jul; 67(4):222-4

Intravital methylene blue staining of parathyroid glands and tumours. Sherlock DJ, et al. **Ann R Coll Surg Engl** 1984 Nov;66(6):396-8

Surgical strategy in hyperparathyroidism due to solitary adenoma. Tibblin S, et al. **Ann Surg** 1984 Dec;200(6):776–84

Acute effects of removal of parathyroid adenoma on plasma and urinary hydroxyproline levels. Minisola S, et al. **J Endocrinol Invest** 1984 Dec;7(6):563–8

The density test for the intraoperative differentiation of single or multigland parathyroid disease. Welsh CL, et al. **World J Surg** 1984 Aug;8(4):522–6

[Preoperative normalization of hypercalcemia, caused by parathyroid cancer, by intravenous administration of dichloromethylene diphosphonate] Conte N, et al. **Minerva Endocrinol** 1984 Jan–Mar;9(1):47–8 **(Ita)**

[Unilateral parathyroidectomy—a new surgical strategy in hyperparathyroidism due to solitary adenoma] Tibblin S, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1027–9 (Eng. Abstr.) **(Jpn)**

THERAPY

Percutaneous ethanol injection of parathyroid tumors under US guidance: treatment for secondary hyperparathyroidism. Solbiati L, et al. **Radiology** 1985 Jun;155(3):607–10

[Embolization of mediastinal adenomas. Therapeutic possibility in primary hyperparathyroidism (letter)] Raynaud A, et al. **Presse Med** 1984 Nov 10;13(40):2458 **(Fre)**

ULTRASTRUCTURE

Functioning microvillous adenoma of the parathyroid gland containing nuclear pores and annulate lamellae. Aguilar-Parada E, et al. **Hum Pathol** 1985 May;16(5):511–6

VETERINARY

Syncytial cells in canine parathyroid glands. Meuten DJ, et al. **Vet Pathol** 1984 Sep;21(5):463–8

PARATUBERCULOSIS

BLOOD

Serum biochemical changes in calves with Johne's disease. Embury DH, et al. **Aust Vet J** 1984 Sep;61(9):284–6

DIAGNOSIS

Cross-reactions between Mycobacterium avium and Mycobacterium paratuberculosis strains in complement fixation and gel precipitation tests. Körmendy B, et al. **Acta Vet Hung** 1984;32(1–2):3–7

Complications in field diagnosis of Johne's disease in sheep. Dent CH. **Aust Vet J** 1985 May;62(5):171

Isolation of Mycobacterium paratuberculosis from intestinal mucosa and mesenteric lymph nodes of goats by use of selective Dubos medium. Saxegaard F. **J Clin Microbiol** 1985 Aug;22(2):312–3

A method for avoiding false-positive reactions in an enzyme-linked immunosorbent assay (ELISA) for the diagnosis of bovine paratuberculosis. Yokomizo Y, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):111–9

The intravenous administration of johnin in the diagnosis of paratuberculosis in practice. Benedictus G, et al. **Vet Q** 1985 Apr;7(2):139–45

[Diagnosis of paratuberculosis in the preclinical stage] Wentink GH, et al. **Tijdschr Diergeneeskd** 1984 Oct 1;109(19):739–50 (Eng. Abstr.) **(Dut)**

ECONOMICS

[Economic losses to farms due to paratuberculosis in cattle] Benedictus G, et al. **Tijdschr Diergeneeskd** 1985 Apr 15;110(8):310–9 (Eng. Abstr.) **(Dut)**

IMMUNOLOGY

[Experimental paratuberculosis: biological diagnosis in calves inoculated with strains of mycobactin-dependent mycobacteria] Thorel MF, et al. **Ann Rech Vet** 1985;16(1):7–16 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Johne's disease in sheep. Seaman JT, et al. **Aust Vet J** 1984 Jul;61(7):227–9

PATHOLOGY

Caseous granulomas in bovine paratuberculosis. Momotani E, et al. **Nippon Juigaku Zasshi** 1985 Jun;47(3):487–91

Pathological changes of spontaneous dual infection of tuberculosis and paratuberculosis in beef cattle. Momotani E, et al. **Nippon Juigaku Zasshi** 1984 Oct;46(5):625–31

[Experimental paratuberculosis: pathogenicity of mycobactin-dependent mycobacteria strains to calves] Thorel MF, et al. **Ann Rech Vet** 1984;15(3):365–74 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Control of paratuberculosis (Johne's disease) in goats by vaccination. Saxegaard F, et al. **Vet Rec** 1985 Apr 20;116(16):439–41

[Zootechnical procedures in the prevention of paratuberculosis on cattle farms. II. Analysis] Benedictus G. **Tijdschr Diergeneeskd** 1985 Jul 1;110(13):527–35 (Eng. Abstr.) **(Dut)**

[Zootechnical procedures for the prevention of paratuberculosis on cattle farms. I. Survey] Benedictus G. **Tijdschr Diergeneeskd** 1985 Jul 1;110(13):517–26 (Eng. Abstr.) **(Dut)**

[Evaluation of the organized control of paratuberculosis in the province of Friesland] Benedictus G. **Tijdschr Diergeneeskd** 1984 Nov 15;109(22):905–16 (Eng. Abstr.) **(Dut)**

[The organized control of paratuberculosis in cattle and the possibilities of using vaccination for this] de Vries G. **Tijdschr Diergeneeskd** 1985 Jan 15;110(2):70–2 **(Dut)**

PARATYPHOID FEVERS

Brain abscess caused by Salmonella [letter] Castro-Gago M, et al. **Pediatr Infect Dis** 1984 Sep–Oct;3(5):491–2

COMPLICATIONS

Schistosoma intercalatum and relapses of Salmonella infection in children. Gendrel D, et al. **Am J Trop Med Hyg** 1984 Nov;33(6):1166–9

Paratyphoid fever presenting with grand mal fits and cerebellar signs. Chambers ST, et al. **J Infect** 1985 Jan;10(1):48–50

[Surgical treatment of chronic biliary typhoid and paratyphoid carriers] Karaki K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Dec;81(12):2978–85 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Comparative study of three blood culture systems for isolation of enteric fever Salmonella. Escamilla J, et al. **Southeast Asian J Trop Med Public Health** 1984 Jun;15(2):161–6

DRUG THERAPY

Dosage of chloramphenicol in typhoid and paratyphoid in children. Raghupathy P, et al. **Ann Trop Paediatr** 1984 Sep;4(3):201–3

Use of temocillin in typhoid fever, hepatobiliary disease and other infections. Tanphaichitra D, et al. **Drugs** 1985;29 Suppl 5:201–5

ETIOLOGY

Recurrent intraabdominal abscess caused by Salmonella paratyphi C. Freidin N, et al. **J Clin Microbiol** 1985 Feb;21(2):284–5

MICROBIOLOGY

[Microbiological diagnosis of typhoid-paratyphoid diseases and detection of their causative agents in the environment] Koroliuk AM, et al. **Voen Med Zh** 1984 Aug;(8):38–42 **(Rus)**

[Strains of the family Enterobacteriaceae isolated from chronic bacterial carriers of Salmonella typhi and Salmonella schottmuelleri and from healthy persons] Dombrovskiĭ AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Dec;(12):40–4 (Eng. Abstr.) **(Rus)**

[Transfer of kanamycin resistance among familial strains of Enterobacteriaceae isolated from a chronic bacterial carrier of Salmonella schottmuelleri] Dombrovskiĭ AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Sep;(9):65–70 (Eng. Abstr.) **(Rus)**

OCCURRENCE

'Salmonella hirschfeldii' in poultry and man in Ibadan, Nigeria. Ojeniyi A. **Bull WHO** 1984;62(5):773–5

[Typhoid and paratyphoid fevers 1982] Gonera E. **Przegl Epidemiol** 1984;38(2):139–43 **(Pol)**

PARATYPHOID VACCINE see **TYPHOID-PARATYPHOID VACCINES**

PARAVACCINIA VIRUS see under **POXVIRIDAE**

PARAVENTRICULAR HYPOTHALAMIC NUCLEUS

ANALYSIS

Anatomical studies of cholecystokinin in neurons and pathways involved in neuroendocrine regulation. Kiss JZ. **Ann NY Acad Sci** 1985;448:144–51

Cholecystokinin in the medial parvocellular subdivision of the paraventricular nucleus. Co-existence with corticotropin-releasing hormone. Mezey E, et al. **Ann NY Acad Sci** 1985;448:152–6

ANATOMY & HISTOLOGY

The course of paraventricular hypothalamic efferents to autonomic structures in medulla and spinal cord. Luiten PG, et al. **Brain Res** 1985 Mar 11;329(1–2):374–8

A second hypothalamic nucleus receiving retinal input in man: the paraventricular nucleus. Schaechter JD, et al. **Brain Res** 1985 Aug 12;340(2):243–50

Extranuclear axon collaterals of paraventricular neurons in the rat hypothalamus: intracellular staining, immunocytochemistry and electrophysiology. Hatton GI, et al. **Brain Res Bull** 1985 Feb;14(2):123–32

A light microscopic HRP study of limbic projections to the vasopressin-containing nuclear groups of the hypothalamus. Oldfield BJ, et al. **Brain Res Bull** 1985 Feb;14(2):143–57

CYTOLOGY

The distribution of angiotensin II-immunoreactive cells and fibers in the paraventriculo-hypophysial system of the rat. Lind RW, et al. **Brain Res** 1985 Jul 8;338(1):81–9

Neuronal organization of the avian paraventricular nucleus: intrinsic, afferent, and efferent connections. Korf HW. **J Exp Zool** 1984 Dec;232(3):387–95 (67 ref.)

DRUG EFFECTS

Estrogen excites oxytocinergic, but not vasopressinergic cells in the paraventricular nucleus of female rat hypothalamus. Akaishi T, et al. **Brain Res** 1985 Jun 3;335(2):302–5

Effects of steroid hormones on the neuropil of the hypothalamic paraventricular nucleus of male chickens. Panzica GC, et al. **Cell Tissue Res** 1985;240(1):169–74

Effect of microelectrophoretically applied acetylcholine, noradrenaline, dopamine and serotonin on the discharge of paraventricular oxytocinergic neurones in the rat. Honda K, et al. **Endocrinol Jpn** 1985 Feb;32(1):127–33

Effects of triiodothyronine and propylthiouracil on regeneration of catecholaminergic nerve terminals in the paraventricular hypothalamic nucleus of the adult rat. Hoovler DW, et al. **Exp Neurol** 1985 Jul;89(1):123–33

Neuropeptide Y: stimulation of feeding and drinking by injection into the paraventricular nucleus. Stanley BG, et al. **Life Sci** 1984 Dec 24;35(26):2635–42

Gonadal steroid actions on the paraventricular magnocellular neurosecretory cells of the male rat. Akaishi T, et al. **Neurosci Lett** 1985 Feb 28;54(1):91–6

Noradrenergic feeding elicited via the paraventricular nucleus is dependent upon circulating corticosterone. Leibowitz SF, et al. **Physiol Behav** 1984 May;32(5):857–64

Neuropeptide Y injected in the paraventricular hypothalamus: a powerful stimulant of feeding behavior. Stanley BG, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3940–3

[Reactions of oxytocin- and vasopressinergic cells of the hypothalamic supraoptic and paraventricular nuclei in the rat to repeated administrations of thyroliberin] Krasnovskaia IA. **Biull Eksp Biol Med** 1984 Nov;98(11):518–20 (Eng. Abstr.) **(Rus)**

[Effect of somatostatin on the neurosecretory cells of the hypothalamic paraventricular nucleus and argentaffin cells of the antral part of the rat stomach] Kotel'nikova VI, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):206–12 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Karyometric development of four topographic subdivisions of the paraventricular nucleus in normal and castrated mice. del Mar Pérez-Delgado M. **Brain Res** 1984 Sep 24;310(2):363–6

METABOLISM

Corticotropin-releasing factor increases noradrenaline turnover in the median eminence and reduces noradrenaline turnover in the paraventricular region of the hypophysectomized male rat. Andersson K, et al. **Acta Physiol Scand** 1984 Apr;120(4):621–4

Exogenous vasopressin reverses hyperactivity in the hypothalamus of Brattleboro rats. Krukoff TL, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R932–5

Immunohistochemical evidence against the coexistence of a corticotropin-releasing factor and oxytocin or vasopressin in the rat paraventricular nucleus. Taniguchi Y. **Arch Histol Jpn** 1984 Nov;47(5):475–83

The dopaminergic innervation of the supraoptic and paraventricular nucleus. A light and electron microscopical study. Buijs RM, et al. **Brain Res** 1984 Dec 3;323(1):65–72

Analysis of the ACTH/beta-End/alpha-MSH-immunoreactive afferent input to the hypothalamic paraventricular nucleus of rat. Kiss JZ, et al. **Brain Res** 1984 Dec 17;324(1):91–9

The noradrenergic innervation of vasopressin neurons in the paraventricular nucleus of the hypothalamus: an ultrastructural study using radioautography and immunocytochemistry. Silverman AJ, et al. **Brain Res** 1985 Jan 28;325(1–2):215–29

An enkephalinergic projection from the hypothalamic paraventricular nucleus to the hypothalamic ventromedial nucleus of the rat: an experimental immunohistochemical study. Yamano M, et al. **Brain Res** 1985 Apr 1;331(1):25–33

Angiotensin II immunoreactive pathways in the central nervous system of the rat: evidence for a projection from the subfornical organ to the paraventricular nucleus of the hypothalamus. Lind RW, et al. **Clin Exp Hypertens [A]** 1984;6(10–11):1915–20

Activation of vasopressin neurons in the human supraoptic and paraventricular nucleus in senescence and senile dementia. Hoogendijk JE, et al. **J Neurol Sci** 1985 Jul;69(3):291–9

Co-localization of corticotropin releasing factor and vasopressin mRNA in neurones after adrenalectomy.

Wolfson B, et al. **Nature** 1985 May 2-8;315(6014):59-61

Morphometrical analysis of the distribution of corticotrophin releasing factor, glucocorticoid receptor and phenylethanolamine-N-methyltransferase immunoreactive structures in the paraventricular hypothalamic nucleus of the rat. Agnati LF, et al. **Neurosci Lett** 1985 Mar 15; 54(2-3):147-52

Synaptic input to vasopressin neurons of the paraventricular nucleus (PVN). Silverman AJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:139-50

PATHOLOGY

Changes in Alzheimer's disease in the magnocellular neurones of the supraoptic and paraventricular nuclei of the hypothalamus and their relationship to the noradrenergic deficit. Mann DM, et al. **Clin Neuropathol** 1985 May-Jun; 4(3):127-34

[Morphological changes and acid phosphatase and thiamine pyrophosphatase activities of the nuclei of the reticular formation and neurosecretory nuclei of the hypothalamus in rabbits exposed to increased environmental temperature] Gadamski R, et al. **Neuropatol Pol** 1985;23(1):83-96 (Eng. Abstr.) **(Pol)**

[Topography of the subnuclei of the paraventricular hypothalamic nucleus in rats and the sensitivity of their neurons to insulin deficiency] Goufman EI. **Biull Eksp Biol Med** 1985 Feb;99(2):194-6 (Eng. Abstr.) **(Rus)**

[Effect of the functional state of neurocytes of the anterior hypothalamus on reparative bone regeneration] Pankov EIa, et al. **Ortop Travmatol Protez** 1985 May;(5):30-3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Subfornical organ stimulation excites paraventricular neurons projecting to dorsal medulla. Ferguson AV, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R1088-92

Neural projections from paraventricular nucleus that subserve vasomotor functions. Porter JP, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):R271-81

Lesions of the tissue surrounding the preoptic recess (AV3V region) affect neurosecretory cells in the paraventricular nuclei in the rat. Carithers J, et al. **Brain Res** 1985 Jul 1;337(2):233-43

Connections of neurons in the region of the nucleus tractus solitarius with the hypothalamic paraventricular nucleus: their possible involvement in neural control of the cardiovascular system in rats. Kannan H, et al. **Brain Res** 1985 Mar 11;329(1-2):205-12

Release of prostaglandin E2 and beta-endorphin-like immunoreactivity from rat adenohypophysis in vitro: variations after adrenalectomy or lesions of the paraventricular nuclei. Knepel W, et al. **Brain Res** 1985 Feb 4;326(1):87-94

Interaction between descending paraventricular neurons and vagal motor neurons. Lawrence D, et al. **Brain Res** 1985 Apr 15;332(1):158-60

Role of the hypothalamic paraventricular nucleus in neuroendocrine responses to daylength in the golden hamster. Lehman MN, et al. **Brain Res** 1984 Aug 6; 308(1):25-32

Inhibition of gastric motility induced by activation of the hypothalamic paraventricular nucleus. Sakaguchi T, et al. **Brain Res** 1985 Jun 3;335(2):365-7

Inputs from the A1 noradrenergic region to hypothalamic paraventricular neurons in the rat. Tanaka J, et al. **Brain Res** 1985 Jun 3;335(2):368-71

The action of the A1 noradrenergic region on phasically firing neurons in the rat paraventricular nucleus. Tanaka J, et al. **Brain Res** 1984 Sep 17;310(1):138-41

Effects of electrical and chemical stimulation of the paraventricular nucleus on neurons in the subfornical organ of cats. Yamashita H, et al. **Brain Res** 1984 Dec 3; 323(1):176-80

Paraventricular nucleus lesions exaggerate dietary obesity but block photoperiod-induced weight gains and suspension of estrous cyclicity in Syrian hamsters. Bartness TJ, et al. **Brain Res Bull** 1985 May;14(5):427-30

Noradrenergic innervation of the paraventricular nucleus: specific role in control of carbohydrate ingestion. Leibowitz SF, et al. **Brain Res Bull** 1985 Jun;14(6):561-7

Effects of neural stimuli on paraventricular nucleus neurones. Saphier D, et al. **Brain Res Bull** 1985 May;14(5):401-7

Comparison of the metabolic and behavioral disturbances following paraventricular- and ventromedial-hypothalamic lesions. Weingarten HP, et al. **Brain Res Bull** 1985 Jun;14(6):551-9

Synchronization of oxytocin cells in the hypothalamic paraventricular and supraoptic nuclei in suckled rats: direct proof with paired extracellular recordings. Belin V, et al. **Exp Brain Res** 1984;57(1):201-3

Electrophysiologic evidence for neural connections between the paraventricular nucleus and neurons of the supraoptic nucleus in the rat. Saphier D, et al. **Exp Neurol** 1985 Jul; 89(1):289-94

Response of phasically firing paraventricular neurons to A1 noradrenergic region stimulation and its attenuation by adrenoceptor antagonists. Tanaka J, et al. **Exp Neurol** 1985 Jun;88(3):714-25

Vagal afferent stimulation-evoked gastric secretion suppressed by paraventricular nucleus lesion. Rogers RC, et al. **J Auton Nerv Syst** 1985 Jul;13(3):191-9

Facilitatory influence of noradrenergic afferents on the excitability of rat paraventricular nucleus neurosecretory cells. Day TA, et al. **J Physiol (Lond)** 1984 Oct;355:237-49

Noradrenergic afferents facilitate the activity of tuberoinfundibular neurons of the hypothalamic paraventricular nucleus. Day TA, et al. **Neuroendocrinology** 1985 Jul;41(1):17-22

Subfornical organ efferents influence the excitability of neurohypophyseal and tuberoinfundibular paraventricular nucleus neurons in the rat. Ferguson AV, et al. **Neuroendocrinology** 1984 Nov;39(5):423-8

Cyclic variation of oxytocin in the blood of pituitary portal vessels of rats. Sarkar DK, et al. **Neuroendocrinology** 1984 Nov;39(5):481-3

Paraventricular neurosecretory neurons: synaptic inputs from the ventrolateral medulla in rats. Kannan H, et al. **Neurosci Lett** 1984 Oct 12;51(2):183-8

Vasopressin release from rat medial basal hypothalamus in vitro after adrenalectomy or lesions of the paraventricular nuclei. Knepel W, et al. **Neurosci Lett** 1984 Aug 10; 48(3):321-6

Vasopressin antagonist in nucleus tractus solitarius/vagal area reduces pressor and tachycardia responses to paraventricular nucleus stimulation in rats. Pittman QJ, et al. **Neurosci Lett** 1985 May 14;56(2):155-60

Chronic norepinephrine injection into the hypothalamic paraventricular nucleus produces hyperphagia and increased body weight in the rat. Leibowitz SF, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):801-8

Vasoactive intestinal peptide-containing neurons in the paraventricular nucleus may participate in regulating prolactin secretion. Mezey E, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):245-7

The effect of the vasopressin antagonist d(CH2)5dTyrVAVP on the cardiovascular responses to stimulation of the paraventricular nucleus. Lawrence D, et al. **Proc West Pharmacol Soc** 1984;27:15-7

Hypophysectomy disturbs the noradrenergic feeding system of the paraventricular nucleus. Roland CR, et al. **Psychoneuroendocrinology** 1985;10(1):109-20

[Projections to the supraoptic and paraventricular nuclei studied in the rat by means of retrograde fluorescent tracers (fast blue, nuclear yellow)] Stanzani S, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2339-43 (Eng. Abstr.) **(Ita)**

[Electrical activity of the paraventricular hypothalamic nucleus during excitation and inhibition of the hypophyseal-adrenal cortex system] Filaretov AA, et al. **Dokl Akad Nauk SSSR** 1985 Mar-Apr;281(1):230-2 **(Rus)**

PHYSIOPATHOLOGY

Lesions of the paraventricular nucleus alter the development of spontaneous hypertension in the rat. Ciriello J, et al. **Brain Res** 1984 Sep 24;310(2):355-9

ULTRASTRUCTURE

The effects of transverse cuts caudal to the preoptic recess on the fine structure of paraventricular nuclei in rats. Carithers J, et al. **Brain Res** 1985 Feb 18;327(1-2):15-28

Ultrastructural evidence of direct synaptic contact of catecholamine terminals with oxytocin-containing neurons in the parvocellular portion of the rat hypothalamic paraventricular nucleus. Yamano M, et al. **Brain Res** 1985 Jun 10;336(1):176-9

Ciliated neurons in the paraventricular nuclei in old hamsters. Suarez I, et al. **J Submicrosc Cytol** 1985 Jul;17(3):351-6

Effect of high ambient temperature on the hypothalamo-neurohypophysial system of the rabbit. I. The supraoptic and paraventricular nuclei. Gajkowska B, et al. **Neuropatol Pol** 1985;23(1):55-69

PARBENDAZOLE see under **BENZIMIDAZOLES**

PARENT-CHILD RELATIONS

see related

SOCIALIZATION

The couvade syndrome and side preference in child holding. Bogren LY. **Acta Psychiatr Scand** 1985 Mar;71(3):311-4

Marital disharmony four and a half years post partum. Effects on parent-child relationships and child development. Nettelbladt P, et al. **Acta Psychiatr Scand** 1985 Apr; 71(4):392-401

The family physician and adoption. Melina CM, et al. **Am Fam Physician** 1985 Feb;31(2):109-18 (13 ref.)

Parental separation/divorce and adolescents: an examination of factors mediating adaptation. Farber SS, et al. **Am J Community Psychol** 1985 Apr;13(2):171-85

Discharge planning for the high-risk neonate: a consultation-liaison role for the infant mental health specialist. Horner TW, et al. **Am J Orthopsychiatry** 1984 Oct;54(4):637-47

Impasses to the resolution of custody and visitation disputes. Johnston JR, et al. **Am J Orthopsychiatry** 1985 Jan; 55(1):112-29

Children and parents in the divorce court. Lassers E, et al. **Am J Psychoanal** 1985 Spring;45(1):77-91

A theory of protection: parents as sex educators. Schuster EA, et al. **ANS** 1985 Apr;7(3):70-7

The diabetic with a diabetic parent. Kirk CR, et al. **Arch Dis Child** 1985 Jun;60(6):572-3

Baby of a schoolgirl. McIntosh N. **Arch Dis Child** 1984 Oct; 59(10):915-7

Sex-typing behavior and sex-typing pressure in child/parent interaction. Jacklin CN, et al. **Arch Sex Behav** 1984 Oct; 13(5):413-25

The care of older children when a sibling is born. Graudins A, et al. **Aust NZ J Obstet Gynaecol** 1985 Feb;25(1):74-6

Group versus individual applications of reciprocity training for parent-youth conflict. Raue J, et al. **Behav Res Ther** 1985;23(2):177-86

Social support as a factor in the development of parents' attachment to their unborn. Cranley MS. **Birth Defects** 1984;20(5):99-124

Social support and vulnerability: state of the art in relation to families and children. MacElveen-Hoehn P, et al. **Birth Defects** 1984;20(5):11-43

Transpersonal processes and the Oedipal phase of development. Muir RC. **Br J Med Psychol** 1985 Jun;58 (Pt 2):111-8

Teenage confidence and consent [letter] **Br Med J [Clin Res]** 1985 Feb 16;290(6467):562

Beyond the best interest of the child: ten years later. Awad GA. **Can J Psychiatry** 1984 Apr;29(3):258-62

Issues in the therapy of hearing children with deaf parents. Frankenburg FR, et al. **Can J Psychiatry** 1985 Mar; 30(2):98-102

The understanding heart: aging parents and their favorite children. Aldous J, et al. **Child Dev** 1985 Apr;56(2):303-16

Experimenting with the family in the newborn period. Belsky J. **Child Dev** 1985 Apr;56(2):407-14

Marital and parent-child relationships in family of origin and marital change following the birth of a baby: a retrospective analysis. Belsky J, et al. **Child Dev** 1985 Apr;56(2):342-9

Bridging the gap: parent-child play interaction and peer interactive competence. MacDonald K, et al. **Child Dev** 1984 Aug;55(4):1265-77

Perceived parental acceptance-rejection and parental control among Korean adolescents. Rohner RP, et al. **Child Dev** 1985 Apr;56(2):524-8

Parent preference in the attachment exploration balance in infancy: an experimental psychoanalytic approach. Shill MA, et al. **Child Psychiatry Hum Dev** 1984 Fall;15(1):34-48

Perinatal coaching: program development. Bristor MW, et al. **Clin Perinatol** 1985 Jun;12(2):367-80

Family adjustment to the early loss of a baby born with spina bifida. Dorner S, et al. **Dev Med Child Neurol** 1985 Aug; 27(4):461-6

Shared parenting: an empirical analysis utilizing a large data base. Irving HH, et al. **Fam Process** 1984 Dec;23(4):561-9

The single-parent family: an author's reflection. Morawetz A. **Fam Process** 1984 Dec;23(4):571-6

The Donald P. Kent Memorial Lecture. Parent care as a normative family stress. Brody EM. **Gerontologist** 1985 Feb;25(1):19-29 (80 ref.)

The quality of relationships between elderly parents and their out-of-town children. Moss MS, et al. **Gerontologist** 1985 Apr;25(2):134-40

Impaired newborns and the hardship on parents [letter] Gartner A. **Hastings Cent Rep** 1985 Jun;15(3):43

Mental child abuse [letter] Hazard L. **Hastings Cent Rep** 1985 Feb;15(1):48

The neonatologist's duty to patient and parents. Strong C. **Hastings Cent Rep** 1984 Aug;14(4):10-6

Empathy in the self/selfobject dyad. Muslin HL. **Hillside J Clin Psychiatry** 1984;6(2):271-84

'A blessing to our declining years:' feminine response to filial duty in the new republic. Premo T. **Int J Aging Hum Dev** 1984-85;20(1):69-74

Notes on the causes and effects of therapy by parents. Glenn J. **Int J Psychoanal Psychother** 1984-85;10:525-31

The 'doctor game' revisited: doctor's treatment of their own children. Levin ES. **Int J Psychoanal Psychother** 1984-85; 10:505-24

The interaction of parents and their mentally handicapped pre-school-children. Davis H. **Int J Rehabil Res** 1984; 7(2):216-7

Home environment questionnaire. Sines JO, et al. **J Abnorm Child Psychol** 1984 Dec;12(4):519-29

Parental expressed emotion and psychophysiological reactivity in an adolescent sample at risk for schizophrenia spectrum disorders. Valone K, et al. **J Abnorm Psychol** 1984 Nov;93(4):448-57

Youth violence directed toward significant others. Kratcoski PC. **J Adolesc** 1985 Jun;8(2):145-57

Parent-adolescent communication. Noller P, et al. **J Adolesc** 1985 Jun;8(2):125-44

Parent-child communication about sexuality. The physician as a community educator. Aved BM, et al. **J Adolesc Health Care** 1984 Oct;5(4):292-3

Parental bonding in bipolar affective disorder. Joyce PR. **J Affective Disord** 1984 Dec;7(3-4):319-24

Recent studies in child abuse. Parent-child interactions in abusive and nonabusive families. Herrenkohl EC, et al. **J Am Acad Child Psychiatry** 1984 Nov;23(6):641-8

Parents questions & answers. **J Am Dent Assoc** 1985;Spec No:22-34

Aspects of the analysis of an adult son of deaf-mute parents. Wagenheim HS. **J Am Psychoanal Assoc** 1985;33(2):413-35

Parents teaching their young mentally handicapped children. McConachie H, et al. **J Child Psychol Psychiatry** 1985 May

26(3):389-405

Family environment as perceived by children with a chronically ill parent. Peters LC, et al. **J Chronic Dis** 1985; 38(4):301-8

Occupational dream, relation to parents and depression in the early adult transition. Gooden W, et al. **J Clin Psychol** 1984 Jul;40(4):945-54

Parental communication of Holocaust experiences and personality characteristics among second-generation survivors. Lichtman H. **J Clin Psychol** 1984 Jul; 40(4):914-24

Clinical use of temperament data in pediatrics. Carey WB. **J Dev Behav Pediatr** 1985 Jun;6(3):137-42

Relation between parents' and children's smoking behaviour and attitudes. Murray M, et al. **J Epidemiol Community Health** 1985 Jun;39(2):169-74

Resident and parental perceptions of adolescent problems and family communications in a low socioeconomic population. Hawley LE, et al. **J Fam Pract** 1984 Nov;19(5):651-5

Parenting concepts, skills and attitudes among selected south Louisiana university freshmen. Hyde BL, et al. **J La State Med Soc** 1985 Mar;137(3):43-6

Parental discretion and children's rights: background and implications for medical decision-making. Schoeman F. **J Med Philos** 1985 Feb;10(1):45-61

The origin of psychosomatic disorders in parent-adolescent relationships. Stovall-Hurdle L. **J Natl Med Assoc** 1985 Jun;77(6):493-4

Psychosis in children of Holocaust survivors: influence of the Holocaust in the choice of themes in their psychoses. Link N, et al. **J Nerv Ment Dis** 1985 Feb;173(2):115-7

Early parental discipline and adult self-destructive acts. Yesavage JA, et al. **J Nerv Ment Dis** 1985 Feb;173(2):74-7

Revision of the Parenting Stress Index. Loyd BH, et al. **J Pediatr Psychol** 1985 Jun;10(2):169-77

Adolescent self-disclosure and loneliness: private self-consciousness and parental influences. Franzoi SL, et ai. **J Pers Soc Psychol** 1985 Mar;48(3):768-80

Adolescents' theories about the development of their relationships with parents. Pipp S, et al. **J Pers Soc Psychol** 1985 Apr;48(4):991-1001

Personal efficacy, external locus of control, and perceived contingency of parental reinforcement among depressed, paranoid, and normal subjects. Rosenbaum M, et al. **J Pers Soc Psychol** 1985 Aug;49(2):539-47

Maternal-infant separation and breast-feeding. The return to work or school. Frederick IB, et al. **J Reprod Med** 1985 Jul;30(7):523-6

Nurturant talk to children. Levin H, et al. **Lang Speech** 1984 Apr-Jun;27 (Pt 2):147-62

Sex differences in infant care and vulnerability. Super CM. **Med Anthropol** 1984 Spring;8(2):84-90

Child abuse: a bidirectional phenomenon. Sachdev P. **Med Law** 1984;3(4):363-76 (102 ref.)

Gestural communication in deaf children: the effects and noneffects of parental input on early language development. Goldin-Meadow S, et al. **Monogr Soc Res Child Dev** 1984; 49(3-4):1-151

Reversible renal failure due to psychogenic urinary retention. Korzets Z, et al. **Postgrad Med J** 1985 May;61(715):465-8

'Surrogate refusal': the patient's resistance to the analyst as parent substitute. Gorkin M. **Psychoanal Rev** 1984 Nov; 71(3):383-95

Spina bifida: feelings, opinions and expectations of parents. Scheers MM, et al. **Z Kinderchir** 1984 Dec;39 Suppl 2:120-1

[Convalescence of the newborn infant at risk] Grenier A. **Ann Pediatr (Paris)** 1985 Jan;32(1):41-5 (Eng. Abstr.) **(Fre)**

[Child and adolescent psychiatry: a secret medical specialty?] Bettschart W. **Rev Med Suisse Romande** 1985 Feb; 105(2):181-7 **(Fre)**

[Early guidance of deaf children and their parents] Rey M. **Rev Med Suisse Romande** 1985 May;105(5):433-4 **(Fre)**

[Communication in functional and dysfunctional families with adolescent children. III. Evaluation of the relation of verbal and nonverbal communications] Doudin PA, et al. **Schweiz Arch Neurol Psychiatr** 1985;136(3):69-80 (Eng. Abstr.) **(Fre)**

[Communication in functional and dysfunctional families with adolescent children. II. Nonverbal communication] Haas C, et al. **Schweiz Arch Neurol Psychiatr** 1985;136(3):55-67 (Eng. Abstr.) **(Fre)**

[The importance of preparing and supporting parents for their role] Séguin L, et al. **Union Med Can** 1984 Sep; 113(9):755-61 (Eng. Abstr.) **(Fre)**

[Foster parents in role conflict—tasks of the psychologic care of foster families] Goldbeck L. **Prax Kinderpsychol Kinderpsychiatr** 1984 Nov-Dec; 33(8):308-17 (Eng. Abstr.) **(Ger)**

[Stuttering as relation disorder. Psychotherapeutic intervention with parents of stuttering children] Krause MP. **Prax Kinderpsychol Kinderpsychiatr** 1985 Jan; 34(1):15-8 (Eng. Abstr.) **(Ger)**

[Statements of parents about their children. Comparative study based on results of 2 questionnaires (Diagnostic Parent Questionnaire and Giessen Questionnaire for Parents in Clinical Complaints) on the development of the children and their current behavior] Günther C. **Prax Kinderpsychol Kinderpsychiatr (Beih)** 1985;26:209-41 **(Ger)**

[Relational aspects in the care of very low weight newborn infants] Nordio S, et al. **Minerva Pediatr** 1984 Aug 31; 36(15-16):781-6 (Eng. Abstr.) **(Ita)**

[Parental attitudes and the educational needs of children with cancer] Bożek J, et al. **Pediatr Pol** 1984 Dec;59(12):1021-5 (Eng. Abstr.) **(Pol)**

[Participation of a physician in the cooperation between a sick child and his family during treatment of neoplastic blood disease] Zdebska S, et al. **Pediatr Pol** 1985 Jan; 60(1):45-9 (Eng. Abstr.) **(Pol)**

[Preliminary analysis and elaboration of the methods of study of the attitude of parents of children with neoplasms and the methods of psychotherapy and evaluation of physical fitness of these children] Bożek J, et al. **Probl Med Wieku Rozwoj** 1984;13:139-44 (Eng. Abstr.) **(Pol)**

[Psychiatric sequelae of Hitler's concentration camps in the progeny of former prisoners] Banach G, et al. **Przegl Lek** 1985;42(1):29-34 **(Pol)**

PARENTERAL FEEDING

see related
FAT EMULSIONS, INTRAVENOUS

Phosphate supplementation in parenteral nutrition. Pigon J, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):50-4

Gastro-intestinal fistulas: the role of nutritional support. Soeters PB. **Acta Chir Belg** 1985 May-Jun;85(3):155-62

Parenteral nutrition in trauma: glucose and lipids. Nordenström J. **Acta Chir Scand [Suppl]** 1985;522:195-209 (29 ref.)

Severe anorexia nervosa treated with total parenteral nutrition. Clinical course and influence on clinical chemical analyses. Croner S, et al. **Acta Paediatr Scand** 1985 Mar; 74(2):230-6

Tolerance of intravenously administered lipid in newborns. de Leeuw R, et al. **Acta Paediatr Scand** 1985 Jan;74(1):52-6

Clinical and nutritional implications of radiation enteritis. Beer WH, et al. **Am J Clin Nutr** 1985 Jan;41(1):85-91

A comparative study of the efficiency of intragastric and parenteral nutrition in man. Bennegård K, et al. **Am J Clin Nutr** 1984 Oct;40(4):752-7

Hepatic transport of bile salt and bile composition following total parenteral nutrition with and without lipid emulsion in the rat. Innis SM. **Am J Clin Nutr** 1985 Jun;41(6):1283-8

Serial changes in selected serum constituents in low birth weight infants on peripheral parenteral nutrition with different zinc and copper supplements. Lockitch G, et al. **Am J Clin Nutr** 1985 Jul;42(1):24-30

Vitamin E and selenium status of patients receiving short-term total parenteral nutrition. McGee CD, et al. **Am J Clin Nutr** 1985 Sep;42(3):432-8

Efficacy of iron dextran in parenteral nutrient solutions [letter] Ali M, et al. **Am J Hosp Pharm** 1985 Apr;42(4):784, 786

Using decentralized pharmacists to provide nutritional support services. Anastasio GD, et al. **Am J Hosp Pharm** 1984 Nov;41(11):2401-2

Compatibility of total nutrient admixtures and secondary antibiotic infusions. Baptista RJ, et al. **Am J Hosp Pharm** 1985 Feb;42(2):362-3

Compatibility of total nutrient admixtures and secondary cardiovascular medications [letter] Baptista RJ, et al. **Am J Hosp Pharm** 1985 Apr;42(4):777-8

Parenteral nutrition in acute renal failure. Feinstein EI. **Am J Nephrol** 1985;5(3):145-9

10 years of TPN at home. Baker DJ. **Am J Nurs** 1984 Oct; 84(10):1248-9

Splanchnic substrate balance in malnourished patients during parenteral nutrition. Gil KM, et al. **Am J Physiol** 1985 Apr; 248(4 Pt 1):E409-19

Fashion and freedom: when artificial feeding should be withdrawn. Annas GJ. **Am J Public Health** 1985 Jun; 75(6):685-8

Use of a branched chain amino acid enriched solution in patients under metabolic stress. Bower RH, et al. **Am J Surg** 1985 Feb;149(2):266-70

Postoperative enteral versus parenteral nutritional support in gastrointestinal surgery. A matched prospective study. Muggia-Sullam M, et al. **Am J Surg** 1985 Jan;149(1):106-12

Further comments regarding drug disposition in the surgical patient [letter] Vesell ES, et al. **Anesthesiology** 1985 Jan; 62(1):95-6

Combined oral and home parenteral nutrition for the short bowel syndrome. Nuutinen LS, et al. **Ann Chir Gynaecol** 1985;74(1):32-5

Total parenteral nutrition in malignancy [letter] Friedman PJ. **Ann Intern Med** 1985 Apr;102(4):556-7

Three years' experience with an intestinal failure unit. Irving M, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):2-5

Total parenteral nutrition in pancreatic disease. Grant JP, et al. **Ann Surg** 1984 Nov;200(5):627-31

Whole-body protein breakdown and 3-methylhistidine excretion during brief fasting, starvation, and intravenous repletion in man. Lowry SF, et al. **Ann Surg** 1985 Jul; 202(1):21-7

Clinical impact of intravenous hyperalimentation on esophageal carcinoma: is it worthwhile? Brister SJ, et al. **Ann Thorac Surg** 1984 Dec;38(6):617-21

Portable bedside microcomputer system for management of parenteral nutrition in all age groups. Ball PA, et al. **Arch Dis Child** 1985 May;60(5):435-9

Parenteral nutrition compared with transpyloric feeding [letter] Clarke A, et al. **Arch Dis Child** 1984 Nov; 59(11):1106-7

Role of the microcomputer in formulating neonatal nutrition regimens [letter] Davies JG, et al. **Arch Dis Child** 1984 Dec;59(12):1197-8

Ethics, law, and nutritional support. Dresser RS, et al. **Arch Intern Med** 1985 Jan;145(1):122-4

Legal aspects of withdrawing nourishment from an incurably ill patient. Meyers DW. **Arch Intern Med** 1985 Jan; 145(1):125-8

Against the emerging stream. Should fluids and nutritional support be discontinued? Siegler M, et al. **Arch Intern Med** 1985 Jan;145(1):129-31

Absorption of glucose solutions from the peritoneal cavity in rabbits. Albert A, et al. **Arch Surg** 1984 Nov; 119(11):1247-51

Chronic intestinal pseudo-obstruction. Management with total parenteral nutrition and a venting enterostomy. Pitt HA, et al. **Arch Surg** 1985 May;120(5):614-8

Principal aspects of clinical nutrition. 20th symposium of the Group of European Nutritionists. Baden/bei Wien, September 22-24, 1983. **Bibl Nutr Dieta** 1985;(35):1-131

Perioperative nutritional support in cancer patients. Dionigi R, et al. **Bibl Nutr Dieta** 1985;(35):85-94

Nutritional support in acute organ failure. Kleinberger G, et al. **Bibl Nutr Dieta** 1985;(35):71-84 (24 ref.)

Nutritional support in pediatrics. Widhalm K. **Bibl Nutr Dieta** 1985;(35):53-62 (33 ref.)

Nutrient requirements in various clinical conditions. Wretlind A. **Bibl Nutr Dieta** 1985;(35):31-43 (19 ref.)

Measurement of short-term changes in the fat content of the body: a comparison of three methods in patients receiving intravenous nutrition. Almond DJ, et al. **Br J Nutr** 1984 Sep;52(2):215-25

Vitamin K requirements in patients receiving total parenteral nutrition. Hands LJ, et al. **Br J Surg** 1985 Aug;7(8):665-7

Plasma glucose and insulin responses in growing rats fed a total parenteral nutrition diet either intravenously or intragastrically. Track NS, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):775-80

Metabolic consequences of nutritional support of the cancer patient. Brennan MF, et al. **Cancer** 1984 Dec 1;54(11 Suppl):2627-34

Critical evaluation of the role of nutritional support with chemotherapy. Chlebowski RT. **Cancer** 1985 Jan 1;55(1 Suppl):268-72 (63 ref.)

The efficacy of total parenteral nutrition in malnourished tumor-bearing rats. Kokal WA, et al. **Cancer** 1985 Mar 15;55(6):1271-5

Preoperative identification of the surgical cancer patient in need of postoperative supportive total parenteral nutrition. Meguid MM, et al. **Cancer** 1985 Jan 1;55(1 Suppl):258-62

The role of preoperative parenteral nutrition in cancer patients. Silberman H. **Cancer** 1985 Jan 1;55(1 Suppl):254-7

Limited impact of total parenteral nutrition on nutritional status during treatment for small cell lung cancer. Evans WK, et al. **Cancer Res** 1985 Jul;45(7):3347-53

Effect of adjuvant central iv hyperalimentation on the survival and response to treatment of patients with small cell lung cancer: a randomized trial. Clamon GH, et al. **Cancer Treat Rep** 1985 Feb;69(2):167-77

Nutritional support. Whether or not some is good, more is not better [editorial] Koretz RL. **Chest** 1985 Jul;88(1):2-3

Breathing and feeding [letter] Teba L, et al. **Chest** 1984 Oct; 86(4):651-2

Measuring bile-salt concentrations lacks clinical value for detecting hepatic dysfunction in infants receiving parenteral nutrition. Beckett GJ, et al. **Clin Chem** 1985 Jul; 31(7):1168-71

Total parenteral nutrition in the management of traumatic chylous ascites in infancy. Dillard RP, et al. **Clin Pediatr (Phila)** 1985 May;24(5):290-2

Daily calorie and fluid calculations in the intensive care nursery using a pocket computer. Yamamoto LG. **Clin Pediatr (Phila)** 1985 Oct;24(10):562-4

Catheter insertion through steel needles [letter] Lawrence PJ. **Crit Care Med** 1985 Apr;13(4):248-9

Selected topics in therapeutic nutrition. Kelts D, et al. **Curr Probl Pediatr** 1983 Mar;13(5):1-62 (192 ref.)

Shock and starvation: similar metabolism in different energy-depletion states. Barillo DJ, et al. **Curr Surg** 1985 May-Jun;42(3):204-7

Gut consumption of intravenously administered fuels. Souba WW, et al. **Curr Surg** 1984 Nov-Dec;41(6):461-4

Use of essential amino acid/dextrose solutions in the nutritional management of patients with acute renal failure. Thompson M. **Drug Intell Clin Pharm** 1985 Feb; 19(2):106-11 (30 ref.)

A key to the literature of total enteral nutrition. Worthen DB, et al. **Drug Intell Clin Pharm** 1984 Oct;18(10):794-803 (432 ref.)

Detection of central venous catheter-associated sepsis. Vanhuynegem L, et al. **Eur J Clin Microbiol** 1985 Feb; 4(1):46-8

Congenital chyloperitoneum: direct comparison of medium-chain triglyceride treatment with total parenteral nutrition. Kroczek RA. **Eur J Pediatr** 1985 May; 144(1):77-9

Stimulation of oxidative drug metabolism by parenteral refeeding of nutritionally depleted patients. Pantuck EJ, et al. **Gastroenterology** 1985 Aug;89(2):241-5

A case in which treatment proved the diagnosis. McCauley KM, et al. **Geriatrics** 1984 Oct;39(10):114-7

Concentration of selenium in plasma and erythrocytes during total parenteral nutrition in Crohn's disease. Jacobson S, et al. **Gut** 1985 Jan;26(1):50–4

Advances in parenteral nutrition support of children with neoplastic diseases. Rickard KA, et al. **Hamatol Bluttransfus** 1985;29:137–42

Artificial feeding: laying to rest some misconceptions [letter] Cox SS. **Hastings Cent Rep** 1984 Dec;14(6):48

The effect of insulin infusion on whole-body protein metabolism in patients with gastrointestinal disease fed parenterally. Powell-Tuck J, et al. **Hum Nutr Clin Nutr** 1985 May;39(3):181–91

The treatment of high enterocutaneous fistula with surgical drainage and total parenteral nutrition. Harju E, et al. **Int Surg** 1985 Jan–Mar;70(1):33–8

Prolonged parenteral nutrition. Faintuch J. **Int Z Vitam Ernahrungsforsch [Beih]** 1984;26:169–82

Combined enteral-parenteral nutrition versus total parenteral nutrition in brain-injured patients. A comparative study. Hausmann D, et al. **Intensive Care Med** 1985;11(2):80–4

The main determinants of nitrogen balance during total parenteral nutrition in critically ill injured patients. Iapichino G, et al. **Intensive Care Med** 1984;10(5):251–4

Efficacy of TPN in cirrhotic patients with bleeding esophageal varices . De Antoni E, et al. **Ital J Surg Sci** 1984;14(3):253–5

Metabolic, water and electrolyte changes after moderate surgical trauma. Observations after different schedules of parenteral nutrition. Peracchia A, et al. **Ital J Surg Sci** 1985;15(1):63–7

Impact of a nutritional support service on VA surgical patients. Jacobs DO, et al. **J Am Coll Nutr** 1984;3(4):311–5

Effective use of total parenteral nutrition in an ileostomy patient. Iles M. **J Am Diet Assoc** 1984 Nov;84(11):1324–8

Ethics of extraordinary nutritional support [letter] Quilty WJ. **J Am Geriatr Soc** 1984 Dec;32(12):943–4

Hyperalimentation for superior mesenteric-artery (cast) syndrome following correction of spinal deformity. Munns SW, et al. **J Bone Joint Surg [Am]** 1984 Oct;66(8):1175–7

Compatibility and stability of TPN mixtures in big bags. Allwood MC. **J Clin Hosp Pharm** 1984 Sep;9(3):181–98 (87 ref.)

Storage of mixtures for total parenteral nutrition III. Stability of vitamins in TPN mixtures. Nordfjeld K, et al. **J Clin Hosp Pharm** 1984 Dec;9(4):293–301

Growth of microorganisms in total parenteral nutrition mixtures and related clinical observations. Scott EM, et al. **J Clin Hosp Pharm** 1985 Mar;10(1):79–88

Nutritional parameters affecting erythrocyte polyamine levels in cancer patients. Ota DM, et al. **J Clin Oncol** 1984 Oct; 2(10):1157–64

Effects of intravenous hyperalimentation during treatment in patients with small-cell lung cancer. Weiner RS, et al. **J Clin Oncol** 1985 Jul;3(7):949–57

Effects of total parenteral nutrition on luteinizing hormone dynamics in the male rat. Badger TM. **J Nutr** 1985 Jun; 115(6):798–806

Change in blood vitamin levels in surgical patients given a multivitamin preparation (NK-041) for total parenteral nutrition. Ogoshi S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Feb;31(1):7–20

Influence of intravenous fat therapy on tracheal effluent phospholipids and oxygenation in severe respiratory distress syndrome. Adamkin DH, et al. **J Pediatr** 1985 Jan; 106(1):122–4

Effect of amino acid composition of parenteral solutions on nitrogen retention and metabolic response in very-low-birth weight infants. Chessex P, et al. **J Pediatr** 1985 Jan;106(1):111–7

Nutritional status in children receiving home parenteral nutrition. Dahlstrom KA, et al. **J Pediatr** 1985 Aug; 107(2):219–24

Hypercalcemia associated with phosphate depletion in the neonate. Miller RR, et al. **J Pediatr** 1984 Nov;105(5):814–7

Somatic growth and developmental functioning in children receiving prolonged home total parenteral nutrition. Ralston CW, et al. **J Pediatr** 1984 Nov;105(5):842–6

Distribution of copper in the serum of the parenterally fed premature infant. Tyrala EE, et al. **J Pediatr** 1985 Feb; 106(2):295–8

Chylous ascites in infants and children: a case report and literature review. Cochran WJ, et al. **J Pediatr Gastroenterol Nutr** 1985 Aug;4(4):668–73

Effect of nutritional method on adaptation of the intestinal remnant after massive bowel resection. Al-Jurf AS, et al. **J Pediatr Gastroenterol Nutr** 1985 Apr;4(2):245–52

Serum levels of 1,25-dihydroxyvitamin D in children receiving parenteral nutrition with reduced aluminum content. Klein GL, et al. **J Pediatr Gastroenterol Nutr** 1985 Feb;4(1):93–6

Influence of preoperative parenteral alimentation on postoperative growth in adolescent Crohn's disease. Lake AM, et al. **J Pediatr Gastroenterol Nutr** 1985 Apr; 4(2):182–6

Comparison of the clinical and biochemical effect of increased alpha-linolenic acid in a safflower oil intravenous fat emulsion. McClead RE Jr, et al. **J Pediatr Gastroenterol Nutr** 1985 Apr;4(2):234–9

Morbidity and mortality of short-bowel syndrome acquired in infancy: an update. Cooper A, et al. **J Pediatr Surg** 1984 Dec;19(6):711–8

Changes in total body water and extracellular fluid volume in infants receiving total parenteral nutrition. Coran AG, et al. **J Pediatr Surg** 1984 Dec;19(6):771–6

Fat overload syndrome causing respiratory insufficiency. Wesson DE, et al. **J Pediatr Surg** 1984 Dec;19(6):777–8

Home parenteral nutrition in Sheffield 1978–1983. Griffith CD, et al. **J R Coll Surg Edinb** 1984 Nov;29(6):335–8

Changes in liver function tests associated with parenteral nutrition. Watters DA, et al. **J R Coll Surg Edinb** 1984 Nov;29(6):339–44

Total parenteral nutrition in children. Quak SH, et al. **J Singapore Paediatr Soc** 1985;27(1–2):112–7

Computers in paediatrics. 11. Microcomputer programmes for total parenteral nutrition in paediatric practice. Yip WC, et al. **J Singapore Paediatr Soc** 1984;26(1–2):51–8

Total parenteral nutrition in paediatric practice. Yip WC, et al. **J Singapore Paediatr Soc** 1984;26(1–2):59–72 (59 ref.)

Intravenous hyperalimentation with high arginine levels improves wound healing and immune function. Barbul A, et al. **J Surg Res** 1985 Apr;38(4):328–34

Effect of difluoromethylornithine on host and tumor polyamine metabolism during total parenteral nutrition. Harris WB, et al. **J Surg Res** 1985 Jun;38(6):592–8

Postoperative total parenteral nutrition in patients with liver disorders. Okuno M, et al. **J Surg Res** 1985 Aug; 39(2):93–102

Enhanced tumor response to cycle-specific chemotherapy by pulse total parenteral nutrition. Torosian MH, et al. **J Surg Res** 1985 Aug;39(2):103–13

Court responses to withholding or withdrawing artificial nutrition and fluids. Paris JJ, et al. **JAMA** 1985 Apr 19; 253(15):2243–5

Total parenteral nutrition in obstetrics. Seifer DB, et al. **JAMA** 1985 Apr 12;253(14):2073–5

9th Clinical congress proceedings: American Society for Parenteral and Enteral Nutrition, Inc. January 21–24, 1984, Aspen. Abstracts. **JPEN** 1985 Jan–Feb;9(1):106–31

DRGs and the great compromise [letter] Baumgartner TG. **JPEN** 1984 Sep–Oct;8(5):590–1

The metabolism of an exogenous lipid source during septic shock in the puppy. Coran AG, et al. **JPEN** 1984 Nov–Dec; 8(6):652–6

Use of intercostal and azygos vein for central hyperalimentation [letter] Cronen PW, et al. **JPEN** 1984 Sep–Oct;8(5):590

Xylitol, an energy source for intravenous nutrition after trauma. Georgieff M, et al. **JPEN** 1985 Mar–Apr; 9(2):199–209 (152 ref.)

The optimal branched-chain to total amino acid ratio in the injury-adapted amino acid formulation. Gimmon Z, et al. **JPEN** 1985 Mar–Apr;9(2):133–8

Comparison of intravenous glucose and fat calories on host and tumor growth. Hak LJ, et al. **JPEN** 1984 Nov–Dec; 8(6):657–9

Effect of supplemental L-Carnitine on lipid utilization and nitrogen retention in parenterally fed piglets [letter] Hall RI. **JPEN** 1984 Sep–Oct;8(5):589

Selenium depletion in burn patients. Hunt DR, et al. **JPEN** 1984 Nov-Dec;8(6):695–9

Influence of total parenteral nutrition on protein metabolism following acute injury: assessment by urinary 3-methylhistidine excretion and nitrogen balance. Iapichino G, et al. **JPEN** 1985 Jan–Feb;9(1):42–6

Serial measurement of plasma cholesterol and lecithin:cholesterol acyl transferase activity in adults receiving total parenteral nutrition. Innis SM, et al. **JPEN** 1985 Jan–Feb;9(1):34–7

Human plasma lipoproteins and total parenteral nutrition with intravenous fat emulsion. Judd RH, et al. **JPEN** 1984 Sep–Oct;8(5):552–5

Nutritional support: can it be the Achilles heel of the DRGs? [letter] Kaminski MV Jr. **JPEN** 1984 Sep–Oct;8(5):592–4

An analytical approach to creation of parenteral feeding solutions: implementation on a microcomputer. Krasner JB, et al. **JPEN** 1985 Mar–Apr;9(2):226–9

Effect of injury, sepsis, and parenteral nutrition on high-energy phosphates in human liver and muscle. Liaw KY. **JPEN** 1985 Jan–Feb;9(1):28–33

The use of the World Health Organization's oral rehydration solution in patients on home parenteral nutrition. MacMahon RA. **JPEN** 1984 Nov–Dec;8(6):720–1

Hyperalimentation during pregnancy: a case report. Martin R, et al. **JPEN** 1985 Mar–Apr;9(2):212–5

Total parenteral nutrition with different ratios of fat/carbohydrate at two energy levels: an animal study. Martins FM, et al. **JPEN** 1985 Jan–Feb;9(1):47–52

Immune function during intravenous administration of a soybean oil emulsion. Ota DM, et al. **JPEN** 1985 Jan–Feb; 9(1):23–7

Serum amino acid concentrations in patients receiving total parenteral nutrition with an amino acid plus dextrose mixture. Philcox JC, et al **JPEN** 1984 Sep–Oct;8(5):535–41

Quantification of lipoprotein X and its relationship to plasma lipid profile during different types of parenteral nutrition. Rigaud D, et al. **JPEN** 1984 Sep–Oct;8(5):529–34

Transferrin--a poor measure of nutritional status. Roza AM, et al. **JPEN** 1984 Sep–Oct;8(5):523–8

Influence of total parenteral nutrition on plasma fibronectin in malnourished subjects with or without inflammatory response. Sandstedt S, et al. **JPEN** 1984 Sep–Oct;8(5):493–6

Specialized nutrition support: patterns of care. Seltzer MH, et al. **JPEN** 1984 Sep–Oct;8(5):506–10

Blood vitamin levels of long-term adult home total parenteral nutrition patients: the efficacy of the AMA-FDA parenteral multivitamin formulation. Shils ME, et al. **JPEN** 1985 Mar–Apr;9(2):179–88

Plasma ammonia levels in preterm infants receiving parenteral nutrition with crystalline L-amino acids [letter] Shohat M, et al. **JPEN** 1985 Mar–Apr;9(2):232

Intestinal consumption of intravenously administered fuels. Souba WW, et al. **JPEN** 1985 Jan–Feb;9(1):18–22

Energy requirements of parenterally fed bone marrow transplant recipients. Szeluga DJ, et al. **JPEN** 1985 Mar–Apr;9(2):139–43

Successful management of chronic intestinal pseudo-obstruction with home parenteral nutrition. Warner E, et al. **JPEN** 1985 Mar–Apr;9(2):173–8

Piggyback compatibility of antibiotics with pediatric parenteral nutrition solutions. Watson D. **JPEN** 1985 Mar–Apr;9(2):220–4

Carnitine balance and effects of intravenous L-carnitine in two patients receiving long-term total parenteral nutrition. Worthley LI, et al. **JPEN** 1984 Nov–Dec;8(6):717–9

Plasma ammonia levels in preterm infants receiving parenteral nutrition with crystalline L-amino acids [letter] Yoshimura NN. **JPEN** 1985 Jan–Feb;9(1):72

Quantification of lipoprotein X and its relationship to plasma lipid profile during different types of parenteral nutrition [letter] Burgess P, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun;9(3):377–8

Administration of fat emulsions with nutritional mixtures from the 3-liter delivery system in total parenteral nutrition. Grimble GK, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):456–60

Blood hemoglobin: a possible predictor of central venous catheter-related thrombosis in parenteral nutrition. Jacobson S, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):471–3

Total parenteral nutrition with and without fat as substrate for growth of rats and transplanted hepatocarcinoma. King WW, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug; 9(4):422–7

The value of intensive nutritional support in pancreatitis. Kirby DF, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun;9(3):353–7 (57 ref.)

Heparin does not reduce catheter sepsis during total parenteral nutrition. Kudsk KA, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun;9(3):348–9

Effect of nucleotide and nucleoside mixture on rats given total parenteral nutrition after 70% hepatectomy. Ogoshi S, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun; 9(3):339–42

Total parenteral nutrition and complete bowel rest in the management of Crohn's disease. Ostro MJ, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun;9(3):280–7

Op-Site dressing study: a prospective randomized study evaluating povidone iodine ointment and extension set changes with 7-day Op-Site dressings applied to total parenteral nutrition subclavian sites. Powell CR, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):443–6

Standard or branched-chain amino acid infusions as short-term nutritional support in liver cirrhosis? Rocchi E, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug; 9(4):447–51

An evaluation of total parenteral nutrition using Vamin and Aminosyn as protein base in critically ill preterm infants. Sankaran K, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):439–42

A randomized trial on the effect of tubing changes on hub contamination and catheter sepsis during parenteral nutrition. Sitges-Serra A, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun;9(3):322–5

Response to total parenteral nutrition in the extremely malnourished patient. Starker PM, et al. **JPEN J Parenter Enteral Nutr** 1985 May–Jun;9(3):300–2

Evaluation of the effect of arginine-enriched amino acid solution on tumor growth. Tachibana K, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):428–34

Whole body protein turnover, synthesis, and breakdown in patients receiving total parenteral nutrition before and after recovery from surgical stress. Tashiro T, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul–Aug;9(4):452–5

Circadian rhythms of urinary excretions of water and electrolytes in patients receiving total parenteral nutrition (TPN). Muratani H, et al. **Life Sci** 1985 Aug 19;37(7):645–9

Management of parenteral nutrition aided by microcomputer. Goggin MJ, et al. **Med Inf (Lond)** 1985 Jan–Mar;10(1):5–12

Magnesium balance and distribution during total parenteral nutrition: effect of calcium additives. Al-Jurf AS, et al. **Metabolism** 1985 Jul;34(7):658–64

Protein metabolism during total parenteral nutrition (TPN) in injured rats using medium-chain triglycerides. Maiz A, et al. **Metabolism** 1984 Oct;33(10):901–9

Structured medium-chain and long-chain triglyceride emulsions are superior to physical mixtures in sparing body protein in the burned rat. Mok KT, et al. **Metabolism** 1984 Oct;33(10):910–5

Protein-calorie malnutrition, immunologic function, and total parenteral nutrition in the surgical patient. Forley BG. **Mt Sinai J Med (NY)** 1985 Feb;52(2):148–57

Taurine requirement with parenteral nutrition [letter] **N Engl J Med** 1985 Jul 11;313(2):120–1

Nutritional requirement for taurine in patients receiving long-term parenteral nutrition. Geggel HS, et al. **N Engl J Med** 1985 Jan 17;312(3):142–6

NEWARK PUBLIC LIBRARY

A case of sudden death in the course of intravenous hyperalimentation. Inomata Y, et al. **Nippon Geka Hokan** 1984 Sep 1;53(5):672–6

The effects of parenteral nutrition on food intake and gastric motility. Martyn PA, et al. **Nurs Res** 1984 Nov–Dec; 33(6):336–42

Nutrition classics. Nutritio et Dieta, Volume 8, 1966: Experimental and clinical studies with fat emulsion for intravenous nutrition. By D. Hallberg, O. Schuberth and A. Wretlind. **Nutr Rev** 1985 Jan;43(1):26–8

Fuel mixtures for critically ill patients given total parenteral nutrition. **Nutr Rev** 1985 Jan;43(1):17–20 (11 ref.)

Development of essential fatty acid deficiency in the premature infant given fat-free TPN. **Nutr Rev** 1985 Jan; 43(1):14–5 (10 ref.)

Supplementation of total parenteral nutrition solutions with ferrous citrate. **Nutr Rev** 1985 Jan;43(1):20–2 (10 ref.)

The calciuretic response to cyclic versus continuous total parenteral nutrition. **Nutr Rev** 1985 Jul;43(7):202–4

Parenteral feeding no better than transpyloric feeding in the preterm. **Nutr Rev** 1984 Aug;42(8):276–8

Replacing malpositioned subclavian catheters. Ahmadinejad AS, et al. **Pa Med** 1985 Jun;88(6):55–6

Management of chronic diarrhea with parenteral nutrition and enteral infusion techniques. Ament ME. **Pediatr Ann** 1985 Jan;14(1):53, 57–60

Nutritional management of inflammatory bowel disease. Motil KJ, et al. **Pediatr Clin North Am** 1985 Apr; 32(2):447–69 (113 ref.)

Total parenteral nutrition in children. Zlotkin SH, et al. **Pediatr Clin North Am** 1985 Apr;32(2):381–400 (90 ref.)

Analysis of antibiotic stability in a parenteral nutrition solution. Kamen BA, et al. **Pediatr Infect Dis** 1985 Jul–Aug; 4(4):387–9

N-acetyl-L-tyrosine as a tyrosine source during total parenteral nutrition in adult rats. Im HA, et al. **Pediatr Res** 1985 Jun;19(6):514–8

Postheparin plasma lipases and carnitine in infants during parenteral nutrition. Rovamo L. **Pediatr Res** 1985 Mar; 19(3):292–7

The effect of energy intake and expenditure on the recovery of 13CO2 in the parenterally fed neonate during a 4-hour primed constant infusion of NAH13CO3. Van Aerde JE, et al. **Pediatr Res** 1985 Aug;19(8):806–10

Lipid clearing in premature infants during continuous heparin infusion: role of circulating lipases. Zaidan H, et al. **Pediatr Res** 1985 Jan;19(1):23–5

Heparinization of alimentation solutions [letter] Poland RL, et al. **Pediatrics** 1985 Jun;75(6):1167–8

Specialized nutritional support of patients––a hospital's legal duty? Spencer RA, et al. **QRB** 1985 May;11(5):160–4

The effect of total parenteral nutrition (TPN) on the enteroinsular axis in the rat. Pederson RA, et al. **Regul Pept** 1985 Mar;10(2–3):199–206

Effects of total parenteral nutrition enriched with branched chain amino acid infusion on liver function and serum amino acid pattern in dogs undergoing hepatectomy. De Caterina M, et al. **Ric Clin Lab** 1985 Jan–Mar;15(1):79–88

Total parenteral nutrition by peripheral venous infusion in patients with oesophageal carcinoma. Haffejee AA, et al. **S Afr Med J** 1985 Mar 16;67(11):405–7

Clinical evaluation of a '3-in-1' intravenous nutrient solution. O'Keefe SJ, et al. **S Afr Med J** 1985 Jul 20;68(2):82–6

The efficacy of a 20 per cent fat emulsion as a peripherally administered substrate. Gazzaniga AB, et al. **Surg Gynecol Obstet** 1985 May;160(5):387–92

Use of parenteral nutrition in the patient with cancer [letter] Daly JM, et al. **Surgery** 1985 Jun;97(6):756–8

Percutaneous inferior vena cava cannulation for long-term parenteral nutrition. Kenney PR, et al. **Surgery** 1985 May; 97(5):602–5

Prevention of catheter sepsis by antibiotic bonding. Trooskin SZ, et al. **Surgery** 1985 May;97(5):547–51

Nutritional assessment and therapy in advanced urothelial cancer. Flanigan RC, et al. **Urol Clin North Am** 1984 Nov; 11(4):671–9

Nutritional support of the cancer patient. Apelgren KN. **W Va Med J** 1985 Apr;81(4):73–5

Recovery of radiolabeled-insulin from parenteral nutrient solutions [letter] Baxi SC, et al. **West J Med** 1985 Jan; 142(1):100

Enteral and parenteral nutrition in the short bowel syndrome in children. Ricour C, et al. **World J Surg** 1985 Apr; 9(2):310–5

[Role of artificial nutrition (total parenteral nutrition/total enteral nutrition) support in the treatment of inflammatory bowel diseases] Jiang ZM, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Apr;23(4):193–5, 252 (Eng. Abstr.) **(Chi)**

[Comparison of 14-AA-800 and 11-AA amino acids solutions in severe septic patients] Li AH, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Apr;23(4):199–202, 252 (Eng. Abstr.) **(Chi)**

[Observations on the use of amino-acid mixtures in severe burn patients] Wang QF, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Feb;23(2):69–71, 125 (Eng. Abstr.) **(Chi)**

[Parenteral nutrition and pathobiochemistry. Mutual relations] Kazda A. **Cas Lek Cesk** 1985 Aug 2;124(31):965–9 (Eng. Abstr.) **(Cze)**

[Parenteral nutrition in clinical practice] Zadák Z, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1983;26(2):81–165 **(Cze)**

[Parenteral feeding in newborn infants; amino acids. The Parenteral Feeding Study Group of the Perinatology Section] **Tijdschr Kindergeneeskd** 1985 Feb;53(1):8–10 **(Dut)**

[Parenteral nutrition for newborn infants; fat emulsions. Work Group Parenteral Nutrition of the Perinatology Section] **Tijdschr Kindergeneeskd** 1985 Apr;53(2):70–2 **(Dut)**

[Postoperative hypophosphoremia in digestive surgery. Influence of the parenteral diet] Delalande JP, et al. **Ann Fr Anesth Reanim** 1984;3(6):414–20 (Eng. Abstr.) **(Fre)**

[Parenteral nutrition in the adult] Florent C, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Jun;21(3):141–6 **(Fre)**

[Venous approach in pediatric oncology. Arteriovenous fistulas or central venous catheters?] Gueho A, et al. **Ann Pediatr (Paris)** 1984 Oct 15;31(9):727–32 (Eng. Abstr.) **(Fre)**

[Evaluation of the lean body and/or muscle mass in children receiving artificial nutrition. Comparative value of anthropometric data and the urinary excretion of creatinine and 3-methylhistidine] Ghisolfi J, et al. **Arch Fr Pediatr** 1984 Jun–Jul;41(6):385–9 (Eng. Abstr.) **(Fre)**

[Growth of children under long-term total parenteral nutrition] Gonzales H, et al. **Arch Fr Pediatr** 1985 Apr; 42(4):291–3 (Eng. Abstr.) **(Fre)**

[Extensive resection of the small intestine in children] Ricour C, et al. **Arch Fr Pediatr** 1985 Apr;42(4):285–90 (Eng. Abstr.) **(Fre)**

[Precautions in asepsis in venous catheterization] Blanc-Bimar MC, et al. **Cah Anesthesiol** 1984 May–Jun; 32(4):309–11 **(Fre)**

[Effect of the parenteral feeding regimen on postoperative nitrogen sparing. Comparison of 3 regimens containing 0%, 30% and 50% lipid calories] Delalande JP, et al. **Cah Anesthesiol** 1985 Apr–May;33(3):229–34 (Eng. Abstr.) **(Fre)**

[Concentrated amino acid solution in order limit water and energy supply during parenteral feeding] Robin P, et al. **Cah Anesthesiol** 1985 Jan–Feb;33(1):55–9 **(Fre)**

[Hypocaloric nutrition or strict protein intake in the postoperative period] Sibille JP, et al. **Cah Anesthesiol** 1984 Dec;32(8):617–26 (Eng. Abstr.) **(Fre)**

[Value of total parenteral nutrition after total pancreatectomy] Lungarotti F, et al. **J Chir (Paris)** 1985 Feb;122(2):133–5 (Eng. Abstr.) **(Fre)**

[Analytical interference of lipid parenteral feeding with the determination of methemoglobin levels by an autoanalyzer] Rouillon JD, et al. **Pathol Biol (Paris)** 1985 Jan;33(1):57–60 (Eng. Abstr.) **(Fre)**

[Influence of parenteral nutrition on phospholipid metabolism in the rat lung in the posttraumatic period] Bahrami S, et al. **Anaesthesist** 1984 Nov;33(11):560–3 (Eng. Abstr.) **(Ger)**

[Prognostically unfavorable factors in esophagus cancer. III. Operative therapy of esophagus cancer––effect of preoperative measures on prognosis in curative resection] Weitensfelder W, et al. **Chirurg** 1985 Mar;56(3):161–5 (Eng. Abstr.) **(Ger)**

[On the dilemma of hunger strike, force feeding and medical responsibility] Förster H. **Fortschr Med** 1985 Mar 28; 103(12):73–5 **(Ger)**

[Ambulatory tube feeding. An alternative to parenteral feeding] Kolb S. **Fortschr Med** 1984 Nov 8;102(41):1048–50 (Eng. Abstr.) **(Ger)**

[Catheter jejunostomy––a surgical complement to postoperative parenteral feeding] Rogenhofer H, et al. **Fortschr Med** 1985 Feb 28;103(8):211–4 (Eng. Abstr.) **(Ger)**

[4th joint annual meeting of the German and Austrian Study Group for Artificial Nutrition. Heidelberg, 21–23 March 1985. Abstracts] **Infusionsther Klin Ernahr** 1985 Feb; 12(1):4–30 **(Ger)**

[Carnitine––biochemistry and clinical aspects] Böhles H. **Infusionsther Klin Ernahr** 1985 Apr;12(2):60–9 (Eng. Abstr.) **(Ger)**

[3-Methylhistidine as a parameter for the determination of muscle proteolysis in the post-stress syndrome and in diabetes mellitus] Buchholz-Wimmer GB, et al. **Infusionsther Klin Ernahr** 1984 Jun;11(3):168–74 (Eng. Abstr.) **(Ger)**

[Short-chain peptides in parenteral nutrition] Fürst P. **Infusionsther Klin Ernahr** 1985 Apr;12(2):70–6 (Eng. Abstr.) **(Ger)**

[Parenteral nutrition is enterocutaneous fistulas. Indications and feasibility] Leutenegger AF. **Schweiz Rundsch Med Prax** 1984 Nov 20;73(47):1433–6 (Eng. Abstr.) **(Ger)**

[Acrodermatitis enteropathica in total parenteral nutrition caused by Crohn disease] Kaufmann I. **Z Hautkr** 1984 Nov 1;59(21):1447–53 (Eng. Abstr.) **(Ger)**

[The computer as an auxiliary tool in total parenteral nutrition of very low birth weight infants] Armon Y, et al. **Harefuah** 1985 Apr 1;108(7):351–3 **(Heb)**

[Vitamin K-dependent coagulation factors in neonates during total parenteral nutrition] Goldschmidt B, et al. **Orv Hetil** 1984 Dec 2;125(49):2979–83 (Eng. Abstr.) **(Hun)**

[Problems of parenteral nutrition in patients operated on for neoplasms of the colon] Stella S, et al. **Ann Ital Chir** 1984; 56(4):395–402 (Eng. Abstr.) **(Ita)**

[Total parenteral nutrition in a general surgery department. Our initial experience] Insalaco P, et al. **Chir Ital** 1983 Apr; 35(2):244–50 (Eng. Abstr.) **(Ita)**

[Treatment with total parenteral nutrition in inflammatory diseases of the intestine] Mingolla F, et al. **Chir Ital** 1983 Dec;35(6):885–97 (Eng. Abstr.) **(Ita)**

[Parenteral and enteral nutrition in esophageal stenosis. Initial clinico-experimental results] Modena S, et al. **Chir Ital** 1983 Apr;35(2):221–7 (Eng. Abstr.) **(Ita)**

[When to use the parenteral approach] De Salvo G. **Minerva Chir** 1985 Apr 15;40(7):391–4 **(Ita)**

[Supportive therapy of the hemorrhagic cirrhotic patient. A new classification system (University of Turin Cirrhotic Rating Scale)] Enrichens F, et al. **Minerva Chir** 1984 Sep 30;39(18):1229–36 (Eng. Abstr.) **(Ita)**

[Total parenteral nutrition and somatostatin in hypersecretory pancreatic and pancreatico-jejunal fistulas] Gaggiotti G, et al. **Minerva Chir** 1985 May 31;40(10):711–5 (Eng. Abstr.) **(Ita)**

[Artificial feeding: extreme limits] Iapichino G. **Minerva Chir** 1985 Apr 15;40(7):395–6 **(Ita)**

[Artificial feeding in the surgery of morbid obesity] Lattuada E, et al. **Minerva Chir** 1984 Oct 31;39(20):1379–82 **(Ita)**

[Our experience with the use of total parenteral nutrition in a department of surgery] Pancaldi R, et al. **Minerva Chir** 1984 Dec 15–31;39(23–24):1713–6 (Eng. Abstr.) **(Ita)**

[Enteral and parenteral feeding in surgery] Pietri P. **Minerva Chir** 1985 Apr 15;40(7):389–90 **(Ita)**

[Artificial feeding, how and when] Salerni F, et al. **Minerva Chir** 1985 Apr 15;40(7):413–6 **(Ita)**

[Artificial feeding in surgery. Our experience] Doldi SB, et al. **Minerva Dietol Gastroenterol** 1984 Jul–Sep;30(3):209–20 (Eng. Abstr.) **(Ita)**

[Total parenteral feeding in surgery of the digestive tract] Galeone M, et al. **Minerva Dietol Gastroenterol** 1984 Jul–Sep;30(3):227–32 (Eng. Abstr.) **(Ita)**

[Supportive parenteral nutrition in the cirrhotic surgical patient] Aiello D, et al. **Minerva Med** 1984 Sep 15; 75(35):1993–6 **(Ita)**

[Supportive nutritional therapy in urologic surgery of the elderly patient] Canonico S, et al. **Minerva Med** 1984 Sep 15;75(35):1999–2000 **(Ita)**

[Oligoelements and total parenteral nutrition] Impieri M, et al. **Minerva Med** 1984 Sep 15;75(35):2029–31 **(Ita)**

[Use of the glucose load test by intravenous route for the determination of glucose tolerance in non-diabetic patients subjected to total parenteral nutrition] Lattuada E, et al. **Minerva Med** 1984 Sep 15;75(35):2013–6 **(Ita)**

[Nutritional support in the critical surgical patient. Current orientation] Lombardi M, et al. **Minerva Med** 1984 Sep 15;75(35):1997–8 **(Ita)**

[Use of parenteral hyperalimentation in the treatment of cancer patients] Placida G, et al. **Minerva Med** 1984 Sep 15;75(35):2011–2 **(Ita)**

[Effect of nutritional support by parenteral route on the immune state of the geriatric cancer patient] Selvaggi F, et al. **Minerva Med** 1984 Sep 15;75(35):1985–8 **(Ita)**

[Supplemental and total parenteral nutrition in assisting the very small premature infant] Moretti O, et al. **Minerva Pediatr** 1984 Oct 31;36(20):989–96 (Eng. Abstr.) **(Ita)**

[Role of total parenteral nutrition in urologic surgery. I] Lunghi F, et al. **Minerva Urol Nefrol** 1984 Oct–Dec; 36(4):337–40 (Eng. Abstr.) **(Ita)**

[Proposal for difficult nursing in neonatal Hirschsprung's disease] Del Rossi C, et al. **Pediatr Med Chir** 1984 Mar–Apr;6(2):319–22 (Eng. Abstr.) **(Ita)**

[Exclusive parenteral nutrition via a peripheral vein in the treatment of severe protracted diarrhea in early childhood. Personal experience and clinical contribution] Gobio Casali L, et al. **Pediatr Med Chir** 1984 Jan–Feb;6(1):87–93 (Eng. Abstr.) **(Ita)**

[Postoperative duodeno-cutaneous fistula in an infant: conservative treatment, total parenteral nutrition] Ridolfi L, et al. **Pediatr Med Chir** 1984 May–Jun;6(3):457–8 (Eng. Abstr.) **(Ita)**

[An experimental study on metabolic rate of glucose given with fructose and xylitol solution in rabbits] Sato K, et al. **Masui** 1984 Jul;33(7):737–9 (Eng. Abstr.) **(Jpn)**

[Nutritional management after massive resection of the pancreas] Fujita H, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):990–4 (Eng. Abstr.) **(Jpn)**

[Nutritional management of the patients after total gastrectomy using total parenteral nutrition (TPN)] Hioki K, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):974–8 (Eng. Abstr.) **(Jpn)**

[Total parenteral nutrition in surgical treatment of infants: recent progress and problems] Hirai Y, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1010–13 (Eng. Abstr.) **(Jpn)**

[Nutritional management of anastomotic leakage after gastrointestinal surgery––with special reference to the serious cases] Kako N, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):979–84 (Eng. Abstr.) **(Jpn)**

[The metabolic changes and nutritional management following radical surgery of esophageal cancer and total gastrectomy] Kido Y, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):970–3 (Eng. Abstr.) **(Jpn)**

[Progress in postoperative care and postoperative combined therapy of esophageal carcinoma by total parenteral nutrition (TPN)] Nishihira T, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):965-9 (Eng. Abstr.) **(Jpn)**

[Effect of total parenteral nutrition on the nutritional status and immunocompetence in host and on the tumor growth] Nishijima M, et al. **Nippon Geka Gakkai Zasshi** 1984 Jul; 85(7):643-53 (Eng. Abstr.) **(Jpn)**

[Prognostic nutritional index in gastrointestinal surgery of malnourished cancer patients] Onodera T, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1001-5 (Eng. Abstr.) **(Jpn)**

[Total parenteral nutrition in inflammatory bowel disease. An evaluation of its clinical response] Takagi Y, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1006-9 (Eng. Abstr.) **(Jpn)**

[Whole body protein turnover, synthesis and breakdown in patients receiving total parenteral nutrition (TPN) before and after recovery from surgical stress] Tashiro T, et al. **Nippon Geka Gakkai Zasshi** 1985 Apr;86(4):394-9 (Eng. Abstr.) **(Jpn)**

[Nutritional management of patients with cirrhosis after hepatectomy] Usui S, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):985-9 (Eng. Abstr.) **(Jpn)**

[Advantage of amino acid free elementary diet for acute renal failure and azotemia after cardiovascular surgery] Kasegawa H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jun;32(6):856-62 (Eng. Abstr.) **(Jpn)**

[Assessment of elemental diet therapy by rapid turnover transport proteins] Asakura H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Aug;81(8):1759-66 (Eng. Abstr.) **(Jpn)**

[The short bowel syndrome] Kapstad L, et al. **Tidsskr Nor Laegeforen** 1984 Oct 10;104(28):1964-7 (Eng. Abstr.) **(Nor)**

[Nutritional support in abdominal sepsis] Bevilacqua RG, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Nov-Dec; 39(6):251-3 **(Por)**

[Effect of prostaglandin E2 on enzyme activity during parenteral feeding] Glants RM, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):161-2 (Eng. Abstr.) **(Rus)**

[Effect of parenteral feeding on the fractional composition of blood proteins in dogs undergoing local irradiation of the abdominal area] Fedorovskiĭ LL, et al. **Gematol Transfuziol** 1985 Jan;30(1):45-8 (Eng. Abstr.) **(Rus)**

[Use of highly concentrated glucose solutions in the conduct of parenteral feeding] Lukomskiĭ GI, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):77-9 (Eng. Abstr.) **(Rus)**

[Prolonged parenteral feeding of a patient following subtotal resection of the small intestine] Smirnov VA, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):139-40 **(Rus)**

[Changes in the volemic indices and vascular permeability as affected by parenteral feeding] Sivachenko TP, et al. **Klin Khir** 1985 Mar;(3):22-5 (Eng. Abstr.) **(Rus)**

[Partial parenteral feeding of premature newborn infants] Galagan VA, et al. **Pediatriia** 1985 Mar;(3):32-4 (Eng. Abstr.) **(Rus)**

[Effect of ADP on the course of radiation sickness and various metabolic processes in rats after local irradiation of the abdomen and parenteral feeding] Grozdov SP, et al. **Radiobiologiia** 1985 Mar-Apr;25(2):234-8 (Eng. Abstr.) **(Rus)**

[Effect of parenteral nitrogen feeding on the free amino acid composition of the blood serum and liver tissue in irradiated rats] Mil'ko VI, et al. **Radiobiologiia** 1985 May-Jun; 25(3):381-4 (Eng. Abstr.) **(Rus)**

[Restoration of the immune responsiveness and the state of the endocrine system in oncological patients during metabolic rehabilitation in the postoperative period] Khmelevskiĭ IaM, et al. **Vestn Akad Med Nauk SSSR** 1985; (1):34-41 (Eng. Abstr.) **(Rus)**

[Intravenous feeding during the chemotherapy of oncological patients] Moroz LV, et al. **Vestn Akad Med Nauk SSSR** 1984;(12):70-1 **(Rus)**

[Effect of parenterally administered baker's yeast autolysates on normalization of the plasma aminogram in acute hepatitis in the rabbit] Nekliudov AD, et al. **Vopr Pitan** 1984 Sep-Oct;(5):59-62 (Eng. Abstr.) **(Rus)**

[Endogenous nitrogen losses in rats fed by intravenous and enteral routes] Poriadkov LF, et al. **Vopr Pitan** 1984 Jul-Aug;(4):33-6 (Eng. Abstr.) **(Rus)**

[Intravenous alimentation of rats in renal failure] Poriadkov LF, et al. **Vopr Pitan** 1984 Sep-Oct;(5):62-5 (Eng. Abstr.) **(Rus)**

[Various indicators of the state of the body during intravenous feeding with different mixtures] Poriadkov LF, et al. **Vopr Pitan** 1984 Nov-Dec;(6):38-42 (Eng. Abstr.) **(Rus)**

[Parenteral feeding problems in patients with complicated forms of peptic ulcer] Krivitskiĭ DI, et al. **Vrach Delo** 1984 Sep;(9):8-11 (Eng. Abstr.) **(Rus)**

[Long-term control of infants treated with total parenteral nutrition for diarrheic syndrome] Duffau G, et al. **Bol Med Hosp Infant Mex** 1984 Dec;41(12):661-4 (Eng. Abstr.) **(Spa)**

[Trace elements in parenteral feeding. Evaluation of a solution for intravenous use] Velasco N, et al. **Rev Med Chil** 1984 Oct;112(10):1002-8 (Eng. Abstr.) **(Spa)**

[Indications for nutritional support] de Oca J, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):15-8 **(Spa)**

[Parenteral feeding] de Oca J. **Rev Med Univ Navarra** 1984 Jun;28(2):11-2 **(Spa)**

[Nutrition in the surgical patient] de Oca J, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):27-30 **(Spa)**

[Requirements in parenteral nutrition. Design and preparation of the diets] Giráldez J, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):37-43 **(Spa)**

ADVERSE EFFECTS

Selenium status of infants on nutritional support. Van Caillie-Bertrand M, et al. **Acta Paediatr Scand** 1984 Nov; 73(6):816-9

Metabolic bone disease associated with total parenteral nutrition. Klein GL, et al. **Adv Nutr Res** 1984;6:67-92 (100 ref.)

Acute right ventricular infarction resulting from intracardiac infusion of hyperosmotic hyperalimentation solutions. King TC, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1659-60

Hyperalimentation-associated jaundice: an example of a serum factor inducing cholestasis in rats. Latham PS, et al. **Am J Clin Nutr** 1985 Jan;41(1):61-5

Biotin deficiency complicating parenteral alimentation: diagnosis, metabolic repercussions, and treatment. Mock DM, et al. **Ann NY Acad Sci** 1985;447:314-34

Cholecystokinin prophylaxis of parenteral nutrition-induced gallbladder disease. Doty JE, et al. **Ann Surg** 1985 Jan; 201(1):76-80

Pathogenesis of liver damage during parenteral nutrition: is lipofuscin a clue? Berger HM, et al. **Arch Dis Child** 1985 Aug;60(8):774-6

Hyperammonemic encephalopathy due to essential amino acid hyperalimentation. Grazer RE, et al. **Arch Intern Med** 1984 Nov;144(11):2278-9

Amelioration of metabolic complications of conventional total parenteral nutrition. A prospective randomized study. Meguid MM, et al. **Arch Surg** 1984 Nov;119(11):1294-8

Folic acid deficiency in intensive care [letter] Leahy MF, et al. **Aust NZ J Med** 1984 Dec;14(6):863-4

Catheter-related sepsis in patients on intravenous nutrition: a prospective study of quantitative catheter cultures and guidewire changes for suspected sepsis. Pettigrew RA, et al. **Br J Surg** 1985 Jan;72(1):52-5

Does total parenteral nutrition (TPN) really promote tumor growth? A morphometric study. Hasegawa J, et al. **Cancer** 1984 Oct 15;54(8):1739-46

Adverse metabolic consequences of total parenteral nutrition. Klein GL, et al. **Cancer** 1985 Jan 1;55(1 Suppl):305-8

Hypercapnia during weaning. A complication of nutritional support. Dark DS, et al. **Chest** 1985 Jul;88(1):141-3

Subdural collection of intravenous fat emulsion in a neonate. Complication of central venous catheterization for total parenteral nutrition. Stine MJ, et al. **Clin Pediatr (Phila)** 1985 Jan;24(1):40-1

Selenium deficiency and fatal cardiomyopathy in a patient receiving long-term home parenteral nutrition. Quercia RA, et al. **Clin Pharm** 1984 Sep-Oct;3(5):531-5

Peroneal palsy produced by intravenous fluid infiltration in a newborn. Kreusser KL, et al. **Dev Med Child Neurol** 1984 Aug;26(4):522-4

Acalculous cholecystitis and fever related to total parenteral nutrition. Tucker RA, et al. **Drug Intell Clin Pharm** 1984 Nov;18(11):897-9

Absence of increase of serum alkaline phosphatase activity with parenteral nutrition-associated cholestasis: possible consequence of hypozincemia and hypomagnesemia. Nanji AA. **Enzyme** 1985;33(2):101-4

Pattern and prognosis of liver function test abnormalities during parenteral nutrition in inflammatory bowel disease. Bengoa JM, et al. **Hepatology** 1985 Jan-Feb;5(1):79-84

Cholestasis associated with total parenteral nutrition in infants. Whitington PF. **Hepatology** 1985 Jul-Aug; 5(4):693-6

First full blown syndrome of acute zinc deficiency in course of long term total parenteral nutrition: a clinical case. Mozzillo N, et al. **Ital J Surg Sci** 1984;14(3):229-31

Suppression of appetite by parenteral nutrition in humans. Sriram K, et al. **J Am Coll Nutr** 1984;3(4):317-23

Multifactorial low remodeling bone disease during cyclic total parenteral nutrition. de Vernejoul MC, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):109-13

Pathogenesis of hepatic steatosis in the parenterally fed rat. Hall RI, et al. **J Clin Invest** 1984 Nov;74(5):1658-68

Pathogenesis of catheter sepsis: a prospective study with quantitative and semiquantitative cultures of catheter hub and segments. Liñares J, et al. **J Clin Microbiol** 1985 Mar; 21(3):357-60

Electron microscopic observation of dyskeratotic cells in acquired zinc deficiency. Hanada K, et al. **J Dermatol (Tokyo)** 1984 Aug;11(4):322-7

Development of hepatic steatosis and essential fatty acid deficiency in rats with hypercaloric, fat-free parenteral nutrition. Keim NL, et al. **J Nutr** 1984 Oct;114(10):1807-15

Biotin deficiency complicating parenteral alimentation: diagnosis, metabolic repercussions, and treatment. Mock DM, et al. **J Pediatr** 1985 May;106(5):762-9

Hepatocellular carcinoma in a noncirrhotic infant after prolonged parenteral nutrition. Patterson K, et al. **J Pediatr** 1985 May;106(5):797-800

Carnitine and neonatal lipid metabolism [letter] Schmidt-Sommerfeld E, et al. **J Pediatr** 1984 Nov; 105(5):848-9

Hepatic aluminum accumulation in children on total parenteral nutrition. Klein GL, et al. **J Pediatr Gastroenterol Nutr** 1984 Nov;3(5):740-3

Total parenteral nutrition-associated cholestasis: acute studies in infant and adult rabbits. Zahavi I, et al. **J Pediatr Gastroenterol Nutr** 1985 Aug;4(4):622-7

Taurine deficiency in the severe hepatic dysfunction complicating total parenteral nutrition. Cooper A, et al. **J Pediatr Surg** 1984 Aug;19(4):462-6

Complications of superior versus inferior vena cava occlusion in infants receiving central total parenteral nutrition. Mulvihill SJ, et al. **J Pediatr Surg** 1984 Dec;19(6):752-7

A possible beneficial effect of metronidazole in reducing TPN-associated liver function derangements. Freund HR, et al. **J Surg Res** 1985 Apr;38(4):356-63

Suboptimal selenium status in home parenteral nutrition patients with small bowel resections. Baptista RJ, et al. **JPEN** 1984 Sep-Oct;8(5):542-5

Renal and electrolyte effects of total parenteral nutrition. Batuman V, et al. **JPEN** 1984 Sep-Oct;8(5):546-51

Does long-term home parenteral nutrition in adult patients cause chronic liver disease? Bowyer BA, et al. **JPEN** 1985 Jan-Feb;9(1):11-7

Metabolic bone disease in long-term total parenteral nutrition [letter] DeLuca HF. **JPEN** 1985 Jan-Feb;9(1):71

Metabolic bone disease in a patient on long-term total parenteral nutrition: a case report with review of literature. Seligman JV, et al. **JPEN** 1984 Nov-Dec;8(6):722-7

Hub colonization as the initial step in an outbreak of catheter-related sepsis due to coagulase negative staphylococci during parenteral nutrition. Sitges-Serra A, et al. **JPEN** 1984 Nov-Dec;8(6):668-72

Successful fibrinolytic therapy for superior vena cava thrombosis secondary to long-term total parenteral nutrition. Smith NL, et al. **JPEN** 1985 Jan-Feb;9(1):55-7

Cholelithiasis in infants: association with parenteral nutrition. Suita S, et al. **JPEN** 1984 Sep-Oct;8(5):568-70

Severe acute metabolic acidosis (acute beriberi): an avoidable complication of total parenteral nutrition. Velez RJ, et al. **JPEN** 1985 Mar-Apr;9(2):216-9

Selenium responsive myositis during prolonged home total parenteral nutrition in cystic fibrosis. Watson RD, et al. **JPEN** 1985 Jan-Feb;9(1):58-60

The pathogenesis of cholestasis in parenteral nutrition [letter] Berger HM. **JPEN J Parenter Enteral Nutr** 1985 Jul-Aug; 9(4):524-5

Photosensitized oxidation of tryptophan and hepatic dysfunction in neonatal gerbils. Bhatia J, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul-Aug;9(4):491-5

Metronidazole prevention of serum liver enzyme abnormalities during total parenteral nutrition. Lambert JR, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul-Aug; 9(4):501-3

Sensitivity and specificity of liver function tests in the detection of parenteral nutrition-associated cholestasis. Nanji AA, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun;9(3):307-8

Sinus bradycardia associated with peripheral lipids and total parenteral nutrition. Traub SL, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun;9(3):358-60

Complications of total parenteral nutrition. Knochel JP. **Kidney Int** 1985 Mar;27(3):489-96 (88 ref.)

Serum lipids and fatty acids composition of tissues in rats on total parenteral nutrition (TPN). Martins FM, et al. **Lipids** 1984 Oct;19(10):728-37

Evidence of aluminum loading in infants receiving intravenous therapy. Sedman AB, et al. **N Engl J Med** 1985 May 23;312(21):1337-43

Taurine deficiency in a child on total parenteral nutrition. **Nutr Rev** 1985 Mar;43(3):81-3

Nutrient deficiencies during total parenteral nutrition. Rudman D, et al. **Nutr Rev** 1985 Jan;43(1):1-13 (72 ref.)

Aluminum deposition in total parenteral nutrition [letter] Shike M. **Nutr Rev** 1985 Jul;43(7):223-4

[Metabolic complications during total parenteral] Li JS, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Feb;23(2):72-4, 125 (Eng. Abstr.) **(Chi)**

[Clinical analysis of 11 cases of hypophosphatemia complicating total parenteral nutrition] Zhang XY, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Apr;23(4):196-8, 252 (Eng. Abstr.) **(Chi)**

[Serum bile acids and liver disorders in total parenteral nutrition in children] Gorostiza E, et al. **Ann Pediatr (Paris)** 1985 Mar;32(3):211-7 (Eng. Abstr.) **(Fre)**

[Hydrocephalus during central parenteral feeding. Role of vitamin A poisoning] Olives JP, et al. **Arch Fr Pediatr** 1984 Nov;41(9):637-40 (Eng. Abstr.) **(Fre)**

[Peripheral venous tolerance of a hyperosmolar basic solution] Comberg HU, et al. **Infusionsther Klin Ernahr** 1984 Oct;11(5):262-5 (Eng. Abstr.) **(Ger)**

[Prospective study of complications of central venous catheters] Heberer M, et al. **Infusionsther Klin Ernahr** 1984 Oct;11(5):254-61 (Eng. Abstr.) **(Ger)**

[Clinico-morphologic study of hepatic dysfunction associated with parenteral nutrition in adults: apropos of 15 cases] Pallarés R, et al. **Med Clin (Barc)** 1984 Dec 15; 83(20):837-41 (Eng. Abstr.) **(Spa)**

[Etiopathogenic factors possibly implicated in hepatic dysfunction associated with parenteral nutrition: prospective study of 104 adult patients] Pallarés R, et al. **Med Clin (Barc)** 1984 Dec 15;83(20):832-6 (Eng. Abstr.)

(Spa)

[Dangers of parenteral nutrition] Sitges-Serra A. **Med Clin (Barc)** 1984 Dec 15;83(20):852-5 (Spa)

[Total parenteral nutrition and recurrent zinc-deficiency dermatitis (report of a personal case)] Vara-Thorbeck R, et al. **Rev Esp Enferm Apar Dig** 1984 Jul;66(1):69-72 (Eng. Abstr.) **(Spa)**

[Complications of parenteral feeding] Gómez Portilla A, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):31-5 **(Spa)**

ECONOMICS

New Medicare guidelines for home nutrition [letter] Curtiss FR. **Am J Hosp Pharm** 1984 Oct;41(10):1990, 1992

Periodic reassessment for improved, cost-effective care in home total parenteral nutrition: a case report. Baptista RJ, et al. **JPEN** 1984 Nov-Dec;8(6):708-10

Cost-effectiveness of preoperative parenteral nutrition in patients undergoing major gastrointestinal surgery. Detsky AS, et al. **JPEN** 1984 Nov-Dec;8(6):632-7

Specialized home nutrition support [editorial] Seltzer MH. **JPEN** 1984 Nov-Dec;8(6):621

Cost-effectiveness of nutritional support. Twomey PL, et al. **JPEN** 1985 Jan-Feb;9(1):3-10

Home parenteral nutrition: a hospital-based program with commercial logistic support. Wesley JR, et al. **JPEN** 1984 Sep-Oct;8(5):585-8

EDUCATION

Calculating parenteral feedings: a programmed instruction. Maillet JO. **J Am Diet Assoc** 1984 Nov;84(11):1312-20, 1323

HISTORY

History of parenteral nutrition. Hartmann G. **Bibl Nutr Dieta** 1985;(35):1-8

INSTRUMENTATION

Twenty-four-hour single-container system for parenteral nutrient admixtures. Raebel MA, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1355-8

Venous access using the Hickman catheter. Ready AR, et al. **Eur J Surg Oncol** 1985 Jun;11(2):155-7

Prolonged multipurpose venous access in burned patients: three years' experience with Hickman right atrial catheters. Smith RC, et al. **J Trauma** 1985 Jul;25(7):634-8

Clinical effect of nonthrombotic total parenteral nutrition catheters. Fabri PJ, et al. **JPEN** 1984 Nov-Dec;8(6):705-7

Experience with 3-liter bags for total parenteral nutrition delivery [letter] Hardin TC, et al. **JPEN** 1984 Sep-Oct; 8(5):589-90

Cardiac tamponade caused by pulmonary artery perforation after central venous catheterization. Hunt LB, et al. **JPEN** 1984 Nov-Dec;8(6):711-3

Analytical assessment of Broviac catheter occlusion. Fleming CR, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun; 9(3):314-6

[Clinical experience in the use of a built-in filter for long-term total parenteral nutrition support in critical surgical illnesses] Jiang ZM, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Feb;23(2):75-7, 125-6 (Eng. Abstr.) **(Chi)**

[Intravenous dacron-cuffed catheter] Li JS, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Feb;23(2):78-80, 126 (Eng. Abstr.) **(Chi)**

[Parenteral nutrition: technical aspects of biomedical engineering] Bornet JL. **Cah Anesthesiol** 1984 Mar; 32(2):127-9 **(Fre)**

[A model for long-term parenteral feeding in the rat] Brenner U, et al. **Infusionsther Klin Ernahr** 1984 Aug;11(4):202-4 (Eng. Abstr.) **(Ger)**

[Experiences with totally implantable catheter systems in home parenteral nutrition] Kolb S, et al. **Infusionsther Klin Ernahr** 1985 Feb;12(1):54-6 (Eng. Abstr.) **(Ger)**

[Experimental model for long-term trials of parenteral nutrition in the growing rat] Neuhäuser M, et al. **Infusionsther Klin Ernahr** 1984 Jun;11(3):175-80 (Eng. Abstr.) **(Ger)**

METHODS

Catheter placement in the azygos system: an unusual approach to venous access. Meranze SG, et al. **AJR** 1985 May;144(5):1075-6

Metabolic response of simultaneous versus sequential intravenous administration of amino acids and energy substrates to rats. Martins FM, et al. **Am J Clin Nutr** 1985 Jul;42(1):61-8

Effects of cyclic (nocturnal) total parenteral nutrition and continuous enteral nutrition on circadian rhythms of blood lipids, lipoproteins and apolipoproteins in humans. Matuchansky C, et al. **Am J Clin Nutr** 1985 Apr; 41(4):727-34

Calciuretic effect of cyclic versus continuous total parenteral nutrition. Wood RJ, et al. **Am J Clin Nutr** 1985 Mar; 41(3):614-9

Techniques of parenteral and enteral nutrition. Halmágyi MP, et al. **Bibl Nutr Dieta** 1985;(35):9-19

Ambulatory parenteral nutrition in oncology. Joyeux H, et al. **Bibl Nutr Dieta** 1985;(35):63-70 (23 ref.)

Pocket computers: a new aid to nutritional support. Colley CM, et al. **Br Med J [Clin Res]** 1985 May 11; 290(6479):1403-6

The delivery of nutritional support. A potpourri of new devices and methods. Meguid MM, et al. **Cancer** 1985 Jan 1;55(1 Suppl):279-89 (64 ref.)

The effect of route of nutrient administration on the secretory immune system. Alverdy JC, et al. **Curr Surg** 1985 Jan-Feb; 42(1):10-3

Lipid emulsions in the newborn infant. Spear ML. **Del Med J** 1984 Nov;56(11):655-7

Effect of intravenous fat emulsion on natural killer cellular function and antibody-dependent cell cytotoxicity. Almond DJ, et al. **Hum Nutr Clin Nutr** 1985 May; 39(3):227-32

Total parenteral nutrition with the '3-litre bag': effect of fat emulsion on amino acid kinetics and nitrogen balance in patients with intestinal fistulae. O'Keefe SJ, et al. **Hum Nutr Clin Nutr** 1984 Sep;38(5):375-82

Total parenteral nutrition in cancer. Jagannath P, et al. **Indian J Cancer** 1984 May-Jun;21(2):79-84

A new method for long-term intravenous alimentation in unrestrained rats. Huk I, et al. **Infusionsther Klin Ernahr** 1984 Oct;11(5):290-3

Valuation of protein metabolism and albumin in patients submitted to peripheral parenteral nutrition (PPN). Schwartz S, et al. **Infusionsther Klin Ernahr** 1984 Jun; 11(3):137-40

Urinary C-peptide measurements in patients receiving continuous and cyclic total parenteral nutrition. Wood RJ, et al. **J Lab Clin Med** 1985 Feb;105(2):259-64

A new method for long-term intravenous alimentation in unrestrained rats. Abrahamian V, et al. **JPEN** 1984 Sep-Oct;8(5):581-4

Use of 20% fat emulsion in peripheral parenteral nutrition. Kehoe JE, et al. **JPEN** 1984 Nov-Dec;8(6):647-51

Nutritional considerations in the patient with disabling brain disease. Turner WW Jr. **Neurosurgery** 1985 May; 16(5):707-13

The calciuretic response to cyclic versus continuous total parenteral nutrition. **Nutr Rev** 1985 Jul;43(7):202-4

A combination silastic catheter for long term central venous access for home parenteral nutrition. Worthley LI. **Surg Gynecol Obstet** 1984 Oct;159(4):384-6

An integrated approach to the treatment of patients with multiple organ system failure requiring intensive nutritional support and hemodialysis. Blumenkrantz M, et al. **Trans Am Soc Artif Intern Organs** 1984;30:468-72

One hundred consecutive central venous catheters in children. Kiely E. **Z Kinderchir** 1984 Oct;39(5):332-6

[Our experience with the parenteral feeding of newborn infants under intensive care] Vŭlov V, et al. **Akush Ginekol (Sofiia)** 1984;23(4):331-4 (Eng. Abstr.) **(Bul)**

[Comparison of dextrose-TPN and dextrose-lipid-TPN in surgical patients] Wu ZG, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Feb;23(2):65-8, 125 (Eng. Abstr.) **(Chi)**

[Prolonged parenteral nutrition in pediatrics: technics and indications] Larchet M, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Jan;21(1):45-50 (43 ref.) (Eng. Abstr.) **(Fre)**

[Perioperative high-caloric alimentation with the central venous catheter. Prospective study in 404 patients] Stock W, et al. **Dtsch Med Wochenschr** 1985 Jun 14;110(24):943-8 (Eng. Abstr.) **(Ger)**

[Treatment of enterocutaneous small intestine fistula using parenteral nutrition therapy] Dárdai E, et al. **Dtsch Z Verdau Stoffwechselkr** 1984;44(4):149-52 (Eng. Abstr.) **(Ger)**

[Experiences with ambulatory parenteral nutrition] Kolb S, et al. **Fortschr Med** 1985 Feb 28;103(8):215-8 (Eng. Abstr.) **(Ger)**

[Nutrition physiologic, immunologic and clinical parameters in prospective randomized patients by enteral or parenteral nutrition therapy following large intestine operations] Bauer E, et al. **Infusionsther Klin Ernahr** 1984 Jun; 11(3):165-7 (Eng. Abstr.) **(Ger)**

[Parenteral feeding following heart surgery operations] Behrendt W, et al. **Infusionsther Klin Ernahr** 1984 Dec; 11(6):316-22 (Eng. Abstr.) **(Ger)**

[Protein-sparing mechanisms of parenteral feeding. II. Clinical aspects] Löhlein D. **Infusionsther Klin Ernahr** 1984 Jun;11(3):114-28 (Eng. Abstr.) **(Ger)**

[Effect of Nutriflex 48 on the plasma amino acid pattern in surgical intensive care patients with infection] Melzer A, et al. **Infusionsther Klin Ernahr** 1984 Aug;11(4):190-4 (Eng. Abstr.) **(Ger)**

[Peripheral venous parenteral feeding in abdominal surgery] Peitsch W, et al. **Infusionsther Klin Ernahr** 1984 Dec; 11(6):299-304 (Eng. Abstr.) **(Ger)**

[Effect of metabolism-oriented substrate administration on energy and protein metabolism in polytraumatized artificial respiration patients] Schmitz JE. **Infusionsther Klin Ernahr** 1984 Aug;11(4):205-18 (Eng. Abstr.) **(Ger)**

[Effect of postoperative parenteral feeding on protein metabolism in heart surgery patients. A comparative study] Weidler B, et al. **Infusionsther Klin Ernahr** 1984 Aug; 11(4):235-41 (Eng. Abstr.) **(Ger)**

[Partial parenteral nutrition in severe virus hepatitis] Kleinberger G, et al. **Leber Magen Darm** 1984 Mar; 14(2):78-82 (Eng. Abstr.) **(Ger)**

[Enteral feeding--an alternative to parenteral feeding in the treatment of Crohn disease?] Lochs H, et al. **Leber Magen Darm** 1984 Mar;14(2):64-7 (Eng. Abstr.) **(Ger)**

[Metabolic consequences of parenteral nutrition in tumor patients] Müller JM, et al. **Leber Magen Darm** 1984 Mar; 14(2):68-77 (Eng. Abstr.) **(Ger)**

[Parenteral nutrition. Planning and practical execution] Rubli E. **Schweiz Rundsch Med Prax** 1984 Nov 20;73(47):1437-41 (Eng. Abstr.) **(Ger)**

[Modern aspects of enteral and parenteral feeding of newly operated patients] Weiner R, et al. **Z Urol Nephrol** 1984 Dec;77(12):739-47 (Eng. Abstr.) **(Ger)**

[Postoperative energy requirements and its fulfillment] Weiner R, et al. **Zentralbl Chir** 1984;109(23):1492-504 (Eng. Abstr.) **(Ger)**

[Parenteral feeding in post-aggression syndrome in a pediatric intensive care unit] Petrássy K, et al. **Orv Hetil** 1985 Jul 28;126(30):1839-42 (Eng. Abstr.) **(Hun)**

[External duodeno-pancreatic fistulas. Proposal of an associated treatment: aspiration with a nutripump and infusion of lactic acid] Rumi A, et al. **Chir Ital** 1984 Apr; 36(2):204-8 (Eng. Abstr.) **(Ita)**

[Our experience with the catheterization of the internal jugular vein after surgical exposure for total parenteral nutrition] Mallardo N, et al. **Minerva Chir** 1984 Jun 30; 39(12):979-82 (Eng. Abstr.) **(Ita)**

[Venous access for TPN. Apropos of 252 intravenous catheterizations] Pricolo R, et al. **Minerva Chir** 1984 Dec 15-31;39(23-24):1717-9 (Eng. Abstr.) **(Ita)**

[The problem of the addition of insulin to solutions in total parenteral nutrition] Impieri M, et al. **Minerva Med** 1984 Sep 15;75(35):2033-6 **(Ita)**

[The value of a service for the preparation of total parenteral nutrition for the correct execution of this complex method] Impieri M, et al. **Minerva Med** 1984 Sep 15;75(35):2025-7 **(Ita)**

[Use of the computer in total parenteral nutrition. Our experience] Rizzi B, et al. **Minerva Med** 1984 Sep 15; 75(35):2017-23 (Eng. Abstr.) **(Ita)**

[A computer-aided bottle selection system by application of integer programming] Tsuruta H, et al. **Iyodenshi To Seitai Kogaku** 1984 Oct;22(6):439-46 (Eng. Abstr.) **(Jpn)**

[Keypoints and compositions of total parenteral nutrition for patients with low glucose tolerance levels] Ohyanagi H, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):995-1000 (Eng. Abstr.) **(Jpn)**

NURSING

Feeding ventilated patients--safely. Irwin MM, et al. **Am J Nurs** 1985 May;85(5):544-6

PSYCHOLOGY

Feeding resistance after parenteral hyperalimentation. Geertsma MA, et al. **Am J Dis Child** 1985 Mar;139(3):255-6

The psychological aspects of artificial nutritional support. Gilchrist PN, et al. **Aust NZ J Psychiatry** 1985 Mar; 19(1):54-9

Psychosocial aspects of artificial feeding. Padilla GV, et al. **Cancer** 1985 Jan 1;55(1 Suppl):301-4

STANDARDS

An FDA update on GMP's for aseptic processing. Fry EM. **J Parenter Sci Technol** 1985 Jul-Aug;39(4):154-7

Observations on the practice of clinical nutrition in hospitals in China. Heimburger DC. **JPEN** 1984 Nov-Dec; 8(6):628-31

TRENDS

Home setting to play greater role in medical care. Silver C, et al. **J La State Med Soc** 1984 Nov;136(11):25-6

The implications of industry moving into the field of home parenteral nutrition. Copeland EM 3d. **JPEN** 1985 Jan-Feb;9(1):1-2

PARENTERAL HYPERALIMENTATION see under **PARENTERAL FEEDING**

PARENTERAL INFUSIONS see **INFUSIONS, PARENTERAL**

PARENTS

Maternal reports of vocabulary development in four-year-old deaf children. Howell RF. **Am Ann Deaf** 1984 Dec;129(6):459-65

Parentage testing using the serum protein plasminogen (PLG). Dykes DD, et al. **Am J Clin Pathol** 1984 Dec; 82(6):722-5

The emphasis of telephone medicine in pediatric training programs. Fosarelli PD. **Am J Dis Child** 1985 Jun; 139(6):555-7

Childhood leukemia and parental occupation. A register-based case-control study. van Steensel-Moll HA, et al. **Am J Epidemiol** 1985 Feb;121(2):216-24

Psychodynamic time-limited groups for adult children of aging parents. Altschuler J, et al. **Am J Orthopsychiatry** 1985 Jul;55(3):397-404

Effect of naloxone on ventilatory control in parents of victims of sudden infant death syndrome. Schiffman PL, et al. **Am Rev Respir Dis** 1984 Dec;130(6):964–8

A theory of protection: parents as sex educators. Schuster EA, et al. **ANS** 1985 Apr;7(3):70–7

Changes of counseling practices at the birth of a child with Down syndrome. Pueschel SM. **Appl Res Ment Retard** 1985;6(1):99–108

Parents' understanding of coeliac disease and diet. Jackson PT, et al. **Arch Dis Child** 1985 Jul;60(7):672–4

Twenty years ago: a parent's voice. MacCarthy D, et al. **Arch Dis Child** 1985 Feb;60(2):179–81

Parent perceptions of problems experienced by their children in complying with treatments for juvenile rheumatoid arthritis. Rapoff MA, et al. **Arch Phys Med Rehabil** 1985 Jul;66(7):427–9

An innovative approach to working with parents. Martin BJ, et al. **ASDC J Dent Child** 1984 Nov–Dec;51(6):434–7

Single parent families. Fergusson DM. **Aust Paediatr J** 1984 Aug;20(3):169–70

Teenage confidence and consent. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):144–5

Measles matters, but do parents know? Blair S, et al. **Br Med J [Clin Res]** 1985 Feb 23;290(6468):623–4

Care by parents in hospital. Webb N, et al. **Br Med J [Clin Res]** 1985 Jul 20;291(6489):176–7

Interparental ratings of temperament for high and low risk infants. Simons CJ, et al. **Child Psychiatry Hum Dev** 1985 Spring;15(3):167–79

Feminist issues in teenage parenting. Chilman CS. **Child Welfare** 1985 May–Jun;64(3):225–34

Speech ratings by speech clinicians, parents and children. Starr CD, et al. **Cleft Palate J** 1984 Oct;21(4):286–92

Enhancing the effectiveness of health education strategies. Christophersen ER. **Clin Perinatol** 1985 Jun;12(2):381–9

Parental rights versus government responsibility for infant medical care. Reynolds WB. **Conn Med** 1984 Aug;48(8):527–9

A parent-centred approach to physiotherapy for their handicapped children. von Wendt L, et al. **Dev Med Child Neurol** 1984 Aug;26(4):445–8

Checking into the hospital: parents give primary care. Schwartz E. **Dimens Health Serv** 1984 Dec;61(12):32–3

Parental contact in the neonatal special care unit. Daniels H, et al. **Eur J Pediatr** 1984 Dec;143(2):153–5

Redefining parenthood and protecting embryos: why we need new laws. Annas GJ. **Hastings Cent Rep** 1984 Oct;14(5):50–2

Parent-offspring correlation for body measurements and subcutaneous fat distribution. Kapoor S, et al. **Hum Biol** 1985 May;57(2):141–50

Factors influencing parental participation in a paediatric cardiology outpatient clinic. Silverman D, et al. **Int J Cardiol** 1984 Dec;6(6):689–98

Association between parental and student smoking behaviour in a Brazilian medical school. Paine PA, et al. **Int J Epidemiol** 1985 Jun;14(2):330–2

Parental composition, supervision, and conduct problems in youths 12 to 17 years old. Goldstein HS. **J Am Acad Child Psychiatry** 1984 Nov;23(6):679–84

Termination of parental rights--ethical issues and role conflicts. Schoettle UC. **J Am Acad Child Psychiatry** 1984 Sep;23(5):629–32

Astute observations by parents, teachers aid patient care. Baron SJ. **J Am Optom Assoc** 1984 Dec;55(12):915–7

Parental ratings of treatments of self-injurious behavior. Pickering D, et al. **J Autism Dev Disord** 1985 Sep;15(3):303–14

Parent involvement in a treatment program for obese retarded adults. Fox RA, et al. **J Behav Ther Exp Psychiatry** 1985 Mar;16(1):45–8

Non-marital pregnancies in New Zealand since the Second World War. Carmichael GA. **J Biosoc Sci** 1985 Apr;17(2):167–83

View from the Nation's Courts. Freishtat HW. **J Clin Psychopharmacol** 1983 Oct;3(5):321–2

Parental alcoholism in opioid addicts. Kosten TR, et al. **J Nerv Ment Dis** 1985 Aug;173(8):461–9

Peers, parents, and partners. Determining the needs of the support person in an abortion clinic. Beeman PB. **J Obstet Gynecol Neonatal Nurs** 1985 Jan–Feb;14(1):54–8

Adaptive noncompliance in pediatric asthma: the parent as expert. Deaton AV. **J Pediatr Psychol** 1985 Mar;10(1):1–14

Gingerbread: self-help for one-parent families. Kaufman J. **J R Soc Med** 1985;78 Suppl 8:32–3

Reaffirming the need for parent involvement in health education. Bensley LB Jr. **J Sch Health** 1985 Jan;55(1):38–9

Israeli parents' role in emergencies. Kushnir T. **J Soc Psychol** 1985 Feb;125(1):75–9

Parental knowledge of their own immunization to poliomyelitis [letter] Le CT. **JAMA** 1985 Aug 2;254(5):608–9

Participation of parents in child abuse case conferences [letter] Bluett NH. **Lancet** 1985 Sep 21;2(8456):669–70

Parent-specific adjustments for evaluation of recumbent length and stature of children. Himes JH, et al. **Pediatrics** 1985 Feb;75(2):304–13

Parental fever phobia and its correlates. Kramer MS, et al. **Pediatrics** 1985 Jun;75(6):1110–3

When pediatricians become parents [editorial] Leventhal JM. **Pediatrics** 1985 Mar;75(3):538

Violence on television and imitative behavior: impact on parenting practices. Wharton R, et al. **Pediatrics** 1985 Jun;75(6):1120–3

Second generation effects of historical trauma. Prince RM. **Psychoanal Rev** 1985 Spring;72(1):9–29

Parental participation in early therapeutic intervention programs for young children with cerebral palsy: an unresolved dilemma. Parette HP Jr, et al. **Rehabil Lit** 1985 Jan–Feb;46(1–2):2–7 (52 ref.)

[The effect of the loss of parents on the psychosocial development of the child] Vichnar M. **Cesk Pediatr** 1985 Jan;40(1):46–7 **(Cze)**

[Child and adolescent psychiatric therapy in parent evaluation] Jungmann J. **Acta Paedopsychiatr (Basel)** 1985 Mar;50(6):315–24 (Eng. Abstr.) **(Ger)**

[The knowledge of parents and children about diabetes mellitus and the compensation status in the disease] Cernay J, et al. **Cesk Pediatr** 1984 Oct;39(10):576–80 (Eng. Abstr.) **(Slo)**

EDUCATION

OCTOPUS--a church-based sex education program for teens and parents. Jacknik M, et al. **Adolescence** 1984 Winter;19(76):757–63

Short-term effects of teenage parenting programs on knowledge and attitudes. Roosa MW. **Adolescence** 1984 Fall;19(75):659–66

Physician-patient communication. Understanding congenital heart disease. Kaden GG, et al. **Am J Dis Child** 1985 Oct;139(10):995–9

A teaching plan. Ventriculoperitoneal shunting procedure. Marshall JG. **AORN J** 1984 Dec;40(6):847–51

Sequencing of parent training procedures. Effects on child noncompliance and treatment acceptability. Walle DL, et al. **Behav Modif** 1984 Oct;8(4):540–52

Experimenting with the family in the newborn period. Belsky J. **Child Dev** 1985 Apr;56(2):407–14

A day treatment program for black parents and preschoolers. Carter GL. **Child Today** 1984 Nov–Dec;13(6):19–23, 30

PEP in Alabama. Peters ML, et al. **Child Today** 1984 Sep–Oct;13(5):27–9

Teenage mothers. Schmidt AV. **Child Today** 1985 Jul–Aug;14(4):16–8

An intervention to improve follow-up of patients with otitis media. Casey R, et al. **Clin Pediatr (Phila)** 1985 Mar;24(3):149–52

The drug user as a parent. Lief NR. **Int J Addict** 1985 Jan;20(1):63–97 (112 ref.)

A comparison of the effects of child management and planned activities training in five parenting environments. Sanders MR, et al. **J Abnorm Child Psychol** 1985 Mar;13(1):101–17

Training parents of retarded children: program-specific outcomes. Baker BL, et al. **J Behav Ther Exp Psychiatry** 1984 Sep;15(3):255–60

The use of skills training procedures in the treatment of a child-abusive parent. Scott WO, et al. **J Behav Ther Exp Psychiatry** 1984 Dec;15(4):329–36

Interactional correlates of treatment outcome in behavioral parent training. Dumas JE. **J Consult Clin Psychol** 1984 Dec;52(6):946–54

Suggestions to parents about common behavior problems in a pediatric primary care office: five years of follow-up. Kanoy KW, et al. **J Pediatr Psychol** 1985 Mar;10(1):15–30

Home management of asthma [letter] Hanson R, et al. **Med J Aust** 1985 Apr 1;142(7):426

The PACE family treatment and education program: a public health approach to parental competence and promotion of mental health. Goodman C. **New Dir Ment Health Serv** 1984 Dec;(24):53–77

Patient education and pediatric oncology. Kramer RF, et al. **Nurs Clin North Am** 1985 Mar;20(1):31–48

Educating parents about injury prevention. Bass JL, et al. **Pediatr Clin North Am** 1985 Feb;32(1):233–42

Pediatric patient education: challenge for the '80s. **Pediatrics** 1984 Nov;74(5 Pt 2):913–80

Effective approaches to patient education for the busy pediatrician. Bartlett EE. **Pediatrics** 1984 Nov;74(5 Pt 2):920–3

Vomiting and diarrhea. Book LS. **Pediatrics** 1984 Nov;74(5 Pt 2):950–4

Evaluation of two comprehensive infant car seat loaner programs with 1-year follow-up. Christophersen ER, et al. **Pediatrics** 1985 Jul;76(1):36–42

Abdominal pain. Farrell MK. **Pediatrics** 1984 Nov;74(5 Pt 2):955–7

Role of the pediatrician in patient education. Fulginiti VA. **Pediatrics** 1984 Nov;74(5 Pt 2):914–6

Patient education for immunizations. Fulginiti VA. **Pediatrics** 1984 Nov;74(5 Pt 2):961–3

Otitis media. Ginsburg CM. **Pediatrics** 1984 Nov;74(5 Pt 2):948–9

Prevention of childhood injuries. Greensher J. **Pediatrics** 1984 Nov;74(5 Pt 2):970–5

What do patients and parents want to know? What do they need to know? Korsch BM. **Pediatrics** 1984 Nov;74(5 Pt 2):917–9

TIPP usage. Krassner L. **Pediatrics** 1984 Nov;74(5 Pt 2):976–80

Fever in childhood. Schmitt BD. **Pediatrics** 1984 Nov;74(5 Pt 2):929–36

AAP periodicity guidelines: a framework for educating patients. Strain JE. **Pediatrics** 1984 Nov;74(5 Pt 2):924–7

Clinical trial of the treatment of colic by modification of parent-infant interaction. Taubman B. **Pediatrics** 1984 Dec;74(6):998–1003

Poison prevention education. Temple AR. **Pediatrics** 1984 Nov;74(5 Pt 2):964–9

Coughs and colds. Walson PD. **Pediatrics** 1984 Nov;74(5 Pt 2):937–40

Using home video equipment for the handicapped child. Suggestion from the field. Michael B. **Phys Ther** 1984 Nov;64(11):1691

Progress in parent training. O'Dell SL. **Prog Behav Modif** 1985;19:57–108

Utility and efficacy of knowledge of behavioral principles as applied to children. Mcloughlin CS. **Psychol Rep** 1985 Apr;56(2):463–7

Care of the child with fever: a quality assurance study. Wagner PL, et al. **QRB** 1984 Oct;10(10):325–30

[Sign language. Role of the speech therapist in a bilingual situation] Martenot D. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(4):337–9 (Eng. Abstr.) **(Fre)**

[Inpatient and ambulatory long-term care of diabetic children and adolescents and their parents] Hürter P. **Monatsschr Kinderheilkd** 1984 Sep;132(9):635–9 **(Ger)**

[Foster parents in role conflict--tasks of the psychologic care of foster families] Goldbeck L. **Prax Kinderpsychol Kinderpsychiatr** 1984 Nov–Dec;33(8):308–17 (Eng. Abstr.) **(Ger)**

[How much do parents know about the illness of their hospitalized child?] Rodríguez-Suárez RS, et al. **Bol Med Hosp Infant Mex** 1985 Apr;42(4):226–33 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Identifying children at high somatic risk (alpha 1 antitrypsin deficiency): possible long-term effects on parents' reproduction, marital status and social class level. Thelin T, et al. **Acta Psychiatr Scand** 1985 Jun;71(6):636–43

Identifying children at high somatic risk: possible long-term effects on the parents' views of their own health and current life situation. Thelin T, et al. **Acta Psychiatr Scand** 1985 Jun;71(6):644–53

Identifying children at high somatic risk: possible long-term effects on the parents' attitudes toward themselves as parents and toward having more children. Thelin T, et al. **Acta Psychiatr Scand** 1985 Jul;72(1):74–80

The parenting alliance and adolescence. Weissman S, et al. **Adolesc Psychiatry** 1985;12:24–45

A regional poison control system. Effect on response to hypothetical poisonings. Marcus SM, et al. **Am J Dis Child** 1984 Nov;138(11):1010–3

Attitudes of parents/guardians of mentally retarded former state hospital residents toward current community placement. Rudie F, et al. **Am J Ment Defic** 1984 Nov;89(3):295–7

The impact of chronic grief. Kowalski K. **Am J Nurs** 1985 Apr;85(4):398–9

The single-parent family and abusive child punishment. Sack WH, et al. **Am J Orthopsychiatry** 1985 Apr;55(2):252–9

The effects of self-help and psychotherapy intervention on child loss: the limits of recovery. Videka-Sherman L, et al. **Am J Orthopsychiatry** 1985 Jan;55(1):70–82

Reverse transport of the deceased neonate--an aid to mourning. Courtney SE, et al. **Am J Perinatol** 1985 Jul;2(3):217–20

Families of borderline patients: literal-minded parents, borderline parents, and parental protectiveness. Feldman RB, et al. **Am J Psychiatry** 1984 Nov;141(11):1392–6

The impact of grief on ventilatory control. Jellinek MS, et al. **Am J Psychiatry** 1985 Jan;142(1):121–3

Medical contribution to the management of dyslexia [letter] Porter FN, et al. **Arch Dis Child** 1984 Nov;59(11):1108–9

Parental affective style and the treatment of schizophrenia. Predicting course of illness and social functioning. Doane JA, et al. **Arch Gen Psychiatry** 1985 Jan;42(1):34–42

The role of perceived relative parent personality in the development of heterosexuals, homosexuals, and transvestites. Newcomb MD. **Arch Sex Behav** 1985 Apr;14(2):147–64

Supportive counselling of parents after a stillbirth. Barr P, et al. **Aust Fam Physician** 1984 Aug;13(8):621–2

Parents who physically abuse their children. Oates RK. **Aust NZ J Med** 1984 Jun;14(3):291–6

Characteristics of parental response to fetal alcohol syndrome. Wilson PJ, et al. **Birth Defects** 1984;20(6):187–91

Thought organization and primary process in the parents of schizophrenics. Meloy JR. **Br J Med Psychol** 1984 Sep;57 (Pt 3):279–81

Bereavement counselling after sudden infant death. Woodward S, et al. **Br Med J [Clin Res]** 1985 Feb 2;290(6465):363–5

Parent's perceived responsibility for children's problems. Penfold PS. **Can J Psychiatry** 1985 Jun;30(4):255–8

Psychopathology of the physically abusing parent: a comparison with the borderline syndrome. Prodgers A. **Child Abuse Negl** 1984;8(4):411–24

The meaning of early knowledge of a child's infertility in families with 47,XXY and 45,X children. Borelli JB, et al. **Child Psychiatry Hum Dev** 1984 Summer;14(4):215–22

The measure of marital satisfaction: a questionnaire to screen parents for marital problems. Kelso J, et al. **Child Psychiatry Hum Dev** 1984 Winter;15(2):86–103

Children's activities and their behavior: are activities worth manipulating? Stiffman AR, et al. **Child Psychiatry Hum Dev** 1984 Spring;14(3):187–99

NEWARK PUBLIC LIBRARY

Cognitive and social development in infants and toddlers with a bipolar parent. Zahn-Waxler C, et al. **Child Psychiatry Hum Dev** 1984 Winter;15(2):75-85

Clinical approaches to traumatized parents: psychotherapy in the intensive-care nursery. Zeanah CH, et al. **Child Psychiatry Hum Dev** 1984 Spring;14(3):158-69

Parent to parent goes national. Carter SB, et al. **Child Today** 1985 Mar-Apr;14(2):30-1

Treating abusive parents. Salter AC, et al. **Child Welfare** 1985 Jul-Aug;64(4):327-41

Follow-up of families of neonates in whom life support was withdrawn. Walwork E, et al. **Clin Pediatr (Phila)** 1985 Jan;24(1):14-20

Thanatophoric dwarfism: a parent's point of view. Stabosz RD. **Del Med J** 1985 Apr;57(4):221-5

Parental reactions to loss and disappointment: the diagnosis of Down's syndrome. Gath A. **Dev Med Child Neurol** 1985 Jun;27(3):392-400

Parents' opinions in 1956 and in 1979 about the etiology of cerebral palsy [letter] Griffin HC, et al. **Dev Med Child Neurol** 1984 Oct;26(5):679-90

The denial mechanism. Luterman D. **Ear Hear** 1985 Jan-Feb; 6(1):57-8

Effects of variables on parental perceptions of staffings. Witt JC, et al. **Except Child** 1984 Sep;51(1):27-32

Factors associated with the use of child restraint devices. Gielen AC, et al. **Health Educ Q** 1984 Summer; 11(2):195-206

Intrauterine treatment: meeting the psychosocial needs of the family. Furlong RM, et al. **Health Soc Work** 1985 Winter; 10(1):55-62

Parents' attitudes towards school meals for primary school children in 1981. Rona RJ, et al. **Hum Nutr Appl Nutr** 1984 Jun;38(3):187-98

Mental health status of parents of physically handicapped children. Sharma U, et al. **Indian Pediatr** 1985 Mar; 22(3):185-90

Parental stress during and after pediatric ICU hospitalization. Lawson CA, et al. **Indiana Med** 1985 May;78(5):372-5

Therapeutic aspects of support groups for parents of the mentally retarded. Friedlander SR, et al. **Int J Group Psychother** 1985 Jan;35(1):65-78

Empathy and death expressions in a therapy group of parents of Israeli soldiers. Mester R, et al. **Int J Group Psychother** 1984 Oct;34(4):627-37

Some subjective and objective prerequisites to educational integration of handicapped children. Stančić V. **Int J Rehabil Res** 1984;7(3):273-82

Buffers for the bereaved: the impact of social factors on the emotional health of bereaving parents. Roskin M. **Int J Soc Psychiatry** 1984 Winter;30(4):311-9

Emotional reactions among bereaving Israeli parents. Roskin M. **Isr J Psychiatry Relat Sci** 1984;21(2):73-84

Psychosocial adjustment of adolescent children of a depressed, arthritic, or normal parent. Hirsch BJ, et al. **J Abnorm Psychol** 1985 May;94(2):154-64

Parental expressed emotion and psychophysiological reactivity in an adolescent sample at risk for schizophrenia spectrum disorders. Valone K, et al. **J Abnorm Psychol** 1984 Nov;93(4):448-57

Parental influence on adolescents' imagination. Rabinowitz A, et al. **J Adolesc** 1984 Sep;7(3):277-84

Parents' beliefs about children's reactions to divorce: the development of an assessment instrument. Plunkett JW, et al. **J Am Acad Child Psychiatry** 1985 May;24(3):334-7

Psychoanalytic inferences concerning children of divorced parents. Panel report. **J Am Psychoanal Assoc** 1983; 31(1):247-58

Obsessive-compulsive adolescents and their parents: a psychometric study. Clark DA, et al. **J Child Psychol Psychiatry** 1985 Mar;26(2):267-76

Parent MMPI critical item and clinical scale changes in the 1970s. Holmes GR, et al. **J Clin Psychol** 1984 Sep; 40(5):1194-8

Relationships with the medical staff and aspects of satisfaction with care expressed by parents of children with cancer. Barbarin OA, et al. **J Community Health** 1984 Summer; 9(4):302-13

Aggression and psychopathology in childhood firesetters: parent and child reports. Kolko DJ, et al. **J Consult Clin Psychol** 1985 Jun;53(3):377-85

Predictive validity of the child abuse potential inventory. Milner JS, et al. **J Consult Clin Psychol** 1984 Oct; 52(5):879-84

Children with recurrent hospitalizations: a problem of disabled children, parents, and physicians. Barbero GJ. **J Dev Behav Pediatr** 1984 Dec;5(6):319-24

A survey of parental opinions on corporal punishment in schools. Kelly PC, et al. **J Dev Behav Pediatr** 1985 Jun; 6(3):143-5

Parent interview findings regarding the impact of cystic fibrosis on families. Phillips S, et al. **J Dev Behav Pediatr** 1985 Jun;6(3):122-7

A comparison of attitudes of parents and high school senior students regarding cigarette, alcohol and drug use. Friedman AS, et al. **J Drug Educ** 1984;14(1):37-51

Seventeen ways to get parents involved in substance abuse education. Laudeman KA. **J Drug Educ** 1984;14(4):307-14

Knowledge and acceptance of drug education among selected Nigerian adults in Ibadan (Oyo State). Omishakin MA. **J Drug Educ** 1984;14(2):151-9

Development of a perinatal grief checklist. Beckey RD, et al. **J Obstet Gynecol Neonatal Nurs** 1985 May-Jun; 14(3):194-9

Grief and perinatal loss. A community hospital approach to support. Carr D, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Mar-Apr;14(2):130-9

Childbirth education classes: expectant parents' expectations. Maloney R. **J Obstet Gynecol Neonatal Nurs** 1985 May-Jun;14(3):245-8

Prospective study of antecedents for nonorganic failure to thrive. Altemeier WA 3d, et al. **J Pediatr** 1985 Mar; 106(3):360-5

The role of social support in parental adjustment to pediatric cancer. Morrow GR, et al. **J Pediatr Psychol** 1984 Sep; 9(3):317-29

Self-help therapy in Parents Anonymous. Hunka CD, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Jul;23(7):24-32

Differences in personality between parents of asthmatic children and parents of non-asthmatic children. Aronsson G, et al. **J Psychosom Res** 1985;29(2):177-82

Cot deaths: the aftermath. Walker R. **J R Coll Gen Pract** 1985 Apr;35(273):194-6 (14 ref.)

Parental evaluations of a sex education course for young adolescents. Parcel GS, et al. **J Sch Health** 1985 Jan; 55(1):9-12

Parental anxiety and children's attendance at emergency departments in relation to the child's birth order. Kushnir T. **J Soc Psychol** 1984 Jun;123(1ST Half):123-9

Similarity of university students' and their parents' attitudes toward alcohol. Wilks J, et al. **J Stud Alcohol** 1984 Jul; 45(4):326-33

A review of current approaches used to help children and parents cope with health care procedures. Hunsberger M, et al. **Matern Child Nurs J** 1984 Fall;13(3):145-65 (107 ref.)

Asthma education for all [letter] Doherty WV. **Med J Aust** 1985 Aug 5;143(3):128

Parental perinatal grief as viewed by a community health sister. McKibben HI. **Med J Aust** 1984 Nov 10; 141(10):655-7

Network structure, social support, and psychological outcomes of pregnancy. Cronenwett LR. **Nurs Res** 1985 Mar-Apr;34(2):93-9

Emotional symptoms and physical health in bereaved parents. Miles MS. **Nurs Res** 1985 Mar-Apr;34(2):76-81

Parents' perception of uncertainty concerning their hospitalized child. Mishel MH. **Nurs Res** 1983 Nov-Dec; 32(6):324-30

Counseling parents of handicapped children. Michael MC. **Ohio State Med J** 1985 Apr;81(4):229-31, 233

Parental and childhood resistance to therapy for eating disorders. Pauker N. **Pediatr Ann** 1984 Dec;13(12):892-3, 896-7

Interfaces between adult and child psychiatry. Palframan DS. **Psychiatr J Univ Ottawa** 1985 Jun;10(2):104-9

Parental perceptions of children's modesty: a cross-sectional survey of ages two to ten years. Rosenfeld A, et al. **Psychiatry** 1984 Nov;47(4):351-65

Differential effect of subtype of parental major affective disorder on children. Kashani JH, et al. **Psychiatry Res** 1985 Jul;15(3):195-204

Aggression in early childhood. Joint treatment of children and parents. Brinich PM. **Psychoanal Study Child** 1984; 39:493-508

Parenting an infant with a birth defect. The regulation of self-esteem. Mintzer D, et al. **Psychoanal Study Child** 1984; 39:561-89

Child-abusive parents: an empirical review and analysis. Wolfe DA. **Psychol Bull** 1985 May;97(3):462-82 (111 ref.)

Perpetrator and family characteristics related to child abuse and neglect: comparison of substantiated and unsubstantiated reports. Hawkins WE, et al. **Psychol Rep** 1985 Apr;56(2):407-10

Adolescent females' perceived parental sex-role attributes. Hertsgaard D, et al. **Psychol Rep** 1984 Aug;55(1):253-4

Scores on three MMPI alcohol scales of parents who receive child custody. Ollendick DG. **Psychol Rep** 1984 Aug; 55(1):337-8

Parental power and adolescents' drinking. Reeves D. **Psychol Rep** 1984 Aug;55(1):161-2

The birth of a child with a congenital anomaly. Part III. Response of parents to the diagnosis. De Wet B, et al. **S Afr Med J** 1985 Mar 9;67(10):370-3

The birth of a child with a congenital anomaly. Part II. The prediagnostic phase after discharge from the maternity home. de Wet B, et al. **S Afr Med J** 1985 Mar 2;67(9):340-3

First person account: the pain of parenthood of the mentally ill. Mittleman G. **Schizophr Bull** 1985;11(2):300-3

Group support for parents of high risk neonates: an interdisciplinary approach. Macnab AJ, et al. **Soc Work Health Care** 1985 Summer;10(4):63-71

A cross-validation of Paulson's discriminant function-derived scales for identifying 'at risk' child-abusive parents. Beal D, et al. **Suicide Life Threat Behav** 1984 Winter;14(4):270-4

[The second diagnosis] Krol LJ, et al. **Ned Tijdschr Geneeskd** 1984 Dec 22;128(51):2385-7 **(Dut)**

[Should parents be informed of fetal sex following genetic amniocentesis?] Vaara L, et al. **Duodecim** 1984; 100(17):1113-6 **(Fin)**

[Object relations of the parents of schizophrenics] Birot E, et al. **Psychiatr Enfant** 1984;27(2):433-521 **(Fre)**

[The importance of preparing and supporting parents for their role] Séguin L, et al. **Union Med Can** 1984 Sep; 113(9):755-61 (Eng. Abstr.) **(Fre)**

[Child and adolescent psychiatric therapy in parent evaluation] Jungmann J. **Acta Paedopsychiatr (Basel)** 1985 Mar;50(6):315-24 (Eng. Abstr.) **(Ger)**

[Areas of psychosocial care of children with cancer and their families. Evaluation of a model of comprehensive care] Knispel J, et al. **Klin Padiatr** 1985 May-Jun;197(3):183-7 (Eng. Abstr.) **(Ger)**

[Psychosocial care of children with cancer and their families: requirements and reality] Schellong G. **Klin Padiatr** 1985 May-Jun;197(3):181-2 **(Ger)**

[Statements of parents about their children. Comparative study based on results of 2 questionnaires (Diagnostic Parent Questionnaire and Giessen Questionnaire for Parents in Clinical Complaints) on the development of the children and their current behavior] Günther C. **Prax Kinderpsychol Kinderpsychiatr (Beih)** 1985;26:209-41 **(Ger)**

[Self and other perception of parents with a psychosomatically ill child in the Giessen Test] Seebach-Herberth J, et al. **Prax Kinderpsychol Kinderpsychiatr (Beih)** 1985;26:187-208 **(Ger)**

[The epileptic and his family: neurologic and psychological factors of peculiar pathologic dynamics] Ferrando Bundio L. **Actas Luso Esp Neurol Psiquiatr** 1985 Jan-Feb; 13(1):37-42 (Eng. Abstr.) **(Spa)**

PARESIS

COMPLICATIONS

[Manifestations of progressive paralysis. Not a theme of the past] Risse A, et al. **Dtsch Med Wochenschr** 1985 Aug 2; 110(31-32):1202-5 (Eng. Abstr.) **(Ger)**

[Case of progressive open hydrocephalus with normal cerebrospinal fluid pressure in neurosyphilis] Szczechowski L, et al. **Wiad Lek** 1984 Sep 15;37(16):1297-301 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Diagnosis of progressive paralysis (letter)] Ausländer W. **Dtsch Med Wochenschr** 1985 Sep 27;110(39):1513 **(Ger)**

[Multiple recurrence in progressive paralysis] Genz A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Dec; 36(12):710-3 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Hypokalemic periodic paralysis: a rarely considered diagnosis in the pediatric patient. Fernández-Sein A, et al. **Bol Asoc Med PR** 1985 Feb;77(2):66-9

Sciatic neuropathy. Ahuja B, et al. **Indian Pediatr** 1984 Oct; 21(10):797-801

VETERINARY

Valsiekte (falling disease): a nervous disorder in lambs suspected of being caused by the plant Chrysocoma tenuifolia. Van der Vyver FH, et al. **J S Afr Vet Assoc** 1985 Jun;56(2):65-8

PARESTHESIA

CHEMICALLY INDUCED

Mydriasis and conjunctival paresthesia from local gentamicin [letter] Awan KJ. **Am J Ophthalmol** 1985 Jun 15; 99(6):723-4

Chemotherapy-associated palmar-plantar erythrodysesthesia syndrome. Lokich JJ, et al. **Ann Intern Med** 1984 Dec; 101(6):798-9

Hypersensitivity reaction to sulindac (Clinoril). Lending RE, et al. **Arch Intern Med** 1984 Nov;144(11):2259-60

Cheiralgia paresthetica and linear atrophy as a complication of local steroid injection. Chodoroff G, et al. **Arch Phys Med Rehabil** 1985 Sep;66(9):637-9

Synthetic pyrethroid insecticides: a dermatological evaluation. Flannigan SA, et al. **Br J Ind Med** 1985 Jun; 42(6):363-72

Dysesthesia and paresthesia caused by contactants. Fisher A. **Cutis** 1984 May;33(5):442, 446, 452 passim

Inhibition of cutaneous paresthesia resulting from synthetic pyrethroid exposure. Tucker SB, et al. **Int J Dermatol** 1984 Dec;23(10):686-9

Paresthesia of the mental nerve after overextension with AH26 and gutta-percha: report of case. Barkhordar RA, et al. **J Am Dent Assoc** 1985 Feb;110(2):202-3

COMPLICATIONS

Transient ipsilateral paresthesias (TIPs) with transient monocular blindness. Ropper AH. **Arch Neurol** 1985 Mar; 42(3):295

Alopecia in meralgia paresthetica. Aranoff SM, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 2):176-8

DIAGNOSIS

[Clinical manifestations and treatment of dermatosis delirium] Korolev IuF. **Vestn Dermatol Venerol** 1984 Oct;(10):39-43 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Zinc therapy of acetazolamide-induced side-effects. Dahl H, et al. **Acta Ophthalmol (Copenh)** 1984 Oct;62(5):739-45

ETIOLOGY

Thumb paraesthesia after neuromuscular twitch monitoring. Sia RL, et al. **Anaesthesia** 1985 Feb;40(2):167-9

Trigeminal nerve palsy after lumbar epidural anesthesia [letter] Shigematsu T, et al. **Anesth Analg** 1985 Jun;64(6):653

Rubella vaccine and facial paresthesias [letter] Morton-Kute L. **Ann Intern Med** 1985 Apr;102(4):563

Burning feet complicating cardio-pulmonary bypass [letter] Byrne E, et al. **Aust NZ J Med** 1984 Oct;14(5):686-7

Temporary mental paraesthesia: an unusual complication of orthodontic treatment. Stirrups DR. **Br J Orthod** 1985 Apr;12(2):87-9

An anomalous flexor digitorum superficialis muscle-tendon unit associated with ulnar neuropathy. A case report. Robinson SC. **Clin Orthop** 1985 Apr;(194):169-71

Adverse effects secondary to the treatment with plasma exchange. Puig L, et al. **Int J Artif Organs** 1985 May;8(3):155-8

Nevus of ito with sensory changes. Burge SM, et al. **Int J Dermatol** 1985 May;24(4):239-40

Transient microwave induced neurosensory reactions during superficial hyperthermia treatment. Scott RS, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):561-6

Lumbosacral plexus stretch injury following the use of the modified lithotomy position. Flanagan WF, et al. **J Urol** 1985 Sep;134(3):567-8

Diagnosis of meralgia paresthetica [letter] Ecker AD. **JAMA** 1985 Feb 15;253(7):976

Ipsilateral sensory symptoms caused by a temporal lobe glioma. Bucci MN, et al. **Neurosurgery** 1985 Aug;17(2):332-4

Lip paresthesia. A case report. Sole M, et al. **NY State Dent J** 1985 Apr;51(4):226

Late onset of mandibular and lingual dysesthesia secondary to postextraction infection. Goldberg MH, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep;58(3):269-71

Lhermitte's sign as the presenting symptom of vitamin B12 deficiency. Beringer TR, et al. **Ulster Med J** 1984;53(2):162-3

[Unusual neurologic manifestation of anguilluliasis (letter)] Peyron F, et al. **Presse Med** 1985 Feb 23;14(8):490 **(Fre)**

[Conference at the Salpêtrière. 7 March 1984. Paralysis of cranial nerves, paresthesia and motor disorders of the limbs developing by regressive outbreaks over 19 years] Bousser MG, et al. **Rev Neurol (Paris)** 1985;141(4):327-35 **(Fre)**

[Meralgia paresthetica (editorial)] Adar R, et al. **Harefuah** 1984 Aug;107(3-4):100-1 **(Heb)**

PATHOLOGY

Facial burning and scarring in a child. Joyce JP, et al. **Arch Dermatol** 1985 Jul;121(7):928, 931

PHYSIOPATHOLOGY

Sigmund Freud's meralgia paresthetica. Schiller F. **Neurology** 1985 Apr;35(4):557-8

Ectopic sensory discharges and paresthesiae in patients with disorders of peripheral nerves, dorsal roots and dorsal columns. Nordin M, et al. **Pain** 1984 Nov;20(3):231-45

[Sensory disease spreading along the nerve conduction route--report of 80 cases] Liu CZ. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Dec;4(12):711-3 (Eng. Abstr.) **(Chi)**

[Electromyography and electroneurography in the follow-up study of carpal tunnel syndrome patients] Schoenhuber R, et al. **Neurochirurgia (Stuttg)** 1984 Sep;27(5):144-5 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

[Rehabilitation exercises as a method of preventing polyneuropathies after vincristine treatment] Zelasko K, et al. **Acta Haematol Pol** 1984 Jan-Jun;15(1-2):21-5 (Eng. Abstr.) **(Pol)**

SURGERY

[Disorders of ulnar nerve function after injuries of the elbow joint area treated by anterior transposition of the nerve] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1984;49(4):339-43 (Eng. Abstr.) **(Pol)**

PARGYLINE

ADVERSE EFFECTS

Bipolar affective symptoms associated with use of captopril and abrupt withdrawal of pargyline and propranolol. McMahon T. **Am J Psychiatry** 1985 Jun;142(6):759-60

ANALOGS & DERIVATIVES

Latent inhibitors of aldehyde dehydrogenase as alcohol deterrent agents. Nagasawa HT, et al. **J Med Chem** 1984 Oct;27(10):1335-9

DIAGNOSTIC USE

Biodistribution of a positron-emitting suicide inactivator of monoamine oxidase, carbon-11 pargyline, in mice and a rabbit. Ishiwata K, et al. **J Nucl Med** 1985 Jun;26(6):630-6

METABOLISM

The metabolic fate of pargyline in rat liver microsomes. Weli AM, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1993-8

Localization in rat brain of binding sites for parkinsonian toxin MPTP: similarities with [3H]pargyline binding to monoamine oxidase. Rainbow TC, et al. **Brain Res** 1985 Mar 25;330(2):337-42

PHARMACODYNAMICS

Inhibition of [3H] MPTP binding to rat brain by pargyline. Del Zompo M, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):4105-7

Epinephrine accumulation in rat brain after chronic administration of pargyline and LY 51641--comparison with other brain amines. Mefford IN, et al. **Brain Res** 1985 Jul 29;339(2):342-5

Effects of reserpine on recovery rates after inhibition of monoamine oxidase in different regions of mouse brain. Hall TR, et al. **Gen Pharmacol** 1984;15(6):485-9

Treatment with clorgyline and pargyline differentially decreases clonidine-induced hypotension and bradycardia. Gutkind JS, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep;327(3):189-92

Inhibition of tyrosine hydroxylation in rat striatal tissue slices by 1-methyl-4-phenylpyridinium ion. Hirata Y, et al. **Neurosci Lett** 1985 Jun 24;57(3):301-5

Biogenic amine turnover in newborn and adult rabbit brainstem nuclei after pargyline administration. McNamara MC, et al. **Respir Physiol** 1984 Dec;58(3):313-21

[Inhibition of monoamine oxidase A and B in the heart and brain of the rat with amitriptyline, pargyline and pirlindol] Schraven E, et al. **Arzneimittelforsch** 1984;34(10):1258-60 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Monoamine oxidase inhibitors: should they be discontinued preoperatively? el-Ganzouri AR, et al. **Anesth Analg** 1985 Jun;64(6):592-6

Pargyline and deprenyl prevent the neurotoxicity of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in monkeys. Cohen G, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):209-10

Pharmacological treatment of attention deficit disorder, residual type (ADD,RT, 'minimal brain dysfunction,' 'hyperactivity') in adults. Wender PH, et al. **Psychopharmacol Bull** 1985;21(2):222-31

[Effect of pargyline on the response to CO2 stress] Alcalá T, et al. **Rev Esp Fisiol** 1985 Mar;41(1):1-4 (Eng. Abstr.) **(Spa)**

PARIETAL BONE

[Monostotic fibrous dysplasia in the parietal bone: a case report] Koga N, et al. **No Shinkei Geka** 1985 Feb;13(2):189-94 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Neonatal skull depression unassociated with birth trauma. Eisenberg D, et al. **AJR** 1984 Nov;143(5):1063-4

Parietal foramina in Saethre-Chotzen syndrome. Thompson EM, et al. **J Med Genet** 1984 Oct;21(5):369-72

[Giant parietal foramina. A surgical defect?] Fasanelli S, et al. **Radiol Med (Torino)** 1984 Sep;70(9):611-4 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

The number and location of the parietal foramen in human skulls. Penteado CV, et al. **Anat Anz** 1985;158(1):39-41

[Effect of artificial skull deformation in vitro on sensory performance in the human. Morphologic and tomographic study based on the calvarium E2 of Tell es Sultan/Jericho (7th millenium b.c.)] Röhrer-Ertl O, et al. **Gegenbaurs Morphol Jahrb** 1984;130(5):677-97 (Eng. Abstr.) **(Ger)**

[Tissue reaction of interparietal suture to mechanical stimulation] Tsuchiya T. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):164 **(Jpn)**

CYTOLOGY

Sex differences in bone resorption: a scanning electron microscopic study of mouse parietal bones. Abe K, et al. **Arch Histol Jpn** 1984 Oct;47(4):429-40

GROWTH & DEVELOPMENT

A radioautographic study of the effect of age on the protein-synthetic and bone-deposition activity in interparietal sutures of male white mice. Yen EH, et al. **Arch Oral Biol** 1984;29(12):1041-7

INJURIES

Enlarged persistent anterior fontanel following head injury. A case report. Vles JS, et al. **Clin Neurol Neurosurg** 1985;87(1):51-3

Nonoperative management of extradural hematoma. Bullock R, et al. **Neurosurgery** 1985 May;16(5):602-6

Posttraumatic meningioma. Schiffer J, et al. **Neurosurgery** 1985 Jul;17(1):84-7

[Rarely occurring complications in vacuum extraction] Tarina F, et al. **Zentralbl Gynakol** 1985;107(2):102-5 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Progressive facial asymmetry as a result of early closure of the left coronal suture. Arvystas MG, et al. **Am J Orthod** 1985 Mar;87(3):240-6

RADIONUCLIDE IMAGING

Doughnut sign on bone scintigraphy in angioblastic meningioma. Chun JH, et al. **Clin Nucl Med** 1985 Jan;10(1):48-9

TRANSPLANTATION

[Repair of the orbital floor with a parietal bone graft] Mélega JM, et al. **Rev Paul Med** 1984 Sep-Oct;102(5):223-5 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

[Tissue response of the interparietal suture to tensile stimulus in vitro--light and electron microscopic observations] Inage S. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):143-61 (Eng. Abstr.) **(Jpn)**

PARIETAL CELLS, GASTRIC

see related
GASTRIC ACID
INTRINSIC FACTOR

Preparation of cells from pig gastric mucosa. Isolation of parietal cells by isopycnic centrifugation on linear density gradients of Percoll. Mårdh S, et al. **Acta Physiol Scand** 1984 Dec;122(4):607-13

ANALYSIS

Intrinsic factor within parietal cells of patients with juvenile pernicious anemia. A retrospective immunohistochemical study. Levine JS, et al. **Gastroenterology** 1985 May;88(5 Pt 1):1132-6

DRUG EFFECTS

The effects of antimitotic and microfilament disrupting agents on functions of isolated guinea-pig parietal cells. Albinus M, et al. **Agents Actions** 1985 Apr;16(3-4):199-201

Tricyclic antidepressants and acid secretory response of rabbit gastric cells. Batzri S. **Am J Physiol** 1985 Mar;248(3 Pt 1):G360-8

Chronic propranolol treatment affects parietal cells of the developing rat gastric mucosa. Henriksson R, et al. **J Pediatr Gastroenterol Nutr** 1984 Nov;3(5):777-83

Stereospecific inhibition by naloxone of histamine-stimulated acid secretion in isolated guinea pig parietal cells. Kromer W, et al. **Pharmacology** 1984;29(6):320-8

Emerging strategies in ulcer therapy: pumps and receptors. Berglindh T, et al. **Scand J Gastroenterol [Suppl]** 1985;108:7-14 (42 ref.)

The mechanism of action of omeprazole--a survey of its inhibitory actions in vitro. Wallmark B, et al. **Scand J Gastroenterol [Suppl]** 1985;108:37-51

[Inhibition of H+/K+-ATPase in the parietal cell with omeprazole: a new principle of gastric acid inhibition] Lamers CB. **Ned Tijdschr Geneeskd** 1985 Apr 13;129(15):679-82 (34 ref.) **(Dut)**

ENZYMOLOGY

Redistribution of gastric K+-NPPase in vertebrate oxyntic cells in relation to hydrochloric acid secretion: a cytochemical study. Koenig CS. **Anat Rec** 1984 Dec;210(4):583-96

2-((2-Pyridylmethyl)sulfinyl)benzimidazoles: acid sensitive suicide inhibitors of the proton transport system in the parietal cell. Rackur G, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):477-84

Forskolin action on histamine stimulated adenylyl cyclase in parietal cells of rat and guinea pig. Holian O, et al. **Biochem Int** 1984 Oct;9(4):429-35

Evidence for acid-induced transformation of omeprazole into an active inhibitor of (H+ + K+)-ATPase within the parietal cell. Wallmark B, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):549-58

The key role of Mg+2 in acid secretion (gastric microsomal model). Kozol R. **Curr Surg** 1984 Nov-Dec;41(6):453-4

Parietal cell protein kinases. Selective activation of type I cAMP-dependent protein kinase by histamine. Chew CS. **J Biol Chem** 1985 Jun 25;260(12):7540-50

IMMUNOLOGY

A solid phase immunoradiometric assay for gastric parietal cell antibodies. Mariotti S, et al. **Clin Exp Immunol** 1984 Dec;58(3):745-53

The relationship of parietal cell, gastrin cell, and thyroid autoantibodies to the state of the gastric mucosa in a population sample. Uibo R, et al. **Scand J Gastroenterol**

1984 Nov;19(8):1075-80

METABOLISM

Acid formation by permeable gastric glands: enhancement by prestimulation. Hersey SJ, et al. **Am J Physiol** 1985 May;248(5 Pt 1):G561-8

Changes in cytosolic free Ca2+ in isolated parietal cells. Differential effects of secretagogues. Muallem S, et al. **Biochim Biophys Acta** 1984 Oct 12;805(2):181-5

Prostaglandin formation by isolated gastric parietal and nonparietal cells of the rat. Postius S, et al. **Br J Pharmacol** 1985 Apr;84(4):871-7

Preliminary characterization of enterooxyntic activity on the guinea pig oxyntic cell. Strodel WE, et al. **Endocrinology** 1985 Jul;117(1):376-81

Modulating effect of thiol-disulfide status on [14C]aminopyrine accumulation in the isolated parietal cell. Olson CE, et al. **J Biol Chem** 1985 Jul 5;260(13):8020-5

Adenosine receptors on canine parietal cells modulate gastric acid secretion to histamine. Gerber JG, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):623-7

Simulated meal test. A new method for estimation of parietal and non-parietal secretion in response to food. Frislid K, et al. **Scand J Gastroenterol** 1985 Jan;20(1):115-22

Acid secretion in isolated gastric glands from healthy subjects and ulcer patients. Leth R, et al. **Scand J Gastroenterol** 1985 Jun;20(5):641-6

PATHOLOGY

Morphology and function of the parietal cells after proximal selective vagotomy in duodenal ulcer patients. Äärimaa M, et al. **Scand J Gastroenterol** 1984 Sep;19(6):787-97

Stereological analysis of human parietal cells before and 6 months after vagotomy. Aase S, et al. **Scand J Gastroenterol** 1985 Apr;20(3):257-67

The size of human parietal cells before and 7 days after vagotomy. Aase S. **Scand J Gastroenterol** 1985 Jun;20(5):613-6

The structure of normal and regenerating rat oxyntic mucosa. Blom H. **Scand J Gastroenterol [Suppl]** 1985;110:73-80

PHYSIOLOGY

Ion transport studies with H+-K+-ATPase-rich vesicles: implications for HCl secretion and parietal cell physiology. Wolosin JM. **Am J Physiol** 1985 Jun;248(6 Pt 1):G595-607 (82 ref.)

Electrical membrane responses to secretagogues in parietal cells of the rat gastric mucosa in culture. Okada Y, et al. **J Physiol (Lond)** 1984 Sep;354:109-19

[Demonstration of a specific receptor site for glucagon-37 (oxyntomodulin/bioactive enteroglucagon) in rat oxyntic glands] Depigny C, et al. **C R Acad Sci [III]** 1984;299(16):677-80 (Eng. Abstr.) **(Fre)**

SECRETION

Famotidine, a new H2-receptor antagonist. Effect on parietal, nonparietal, and pepsin secretion in man. Smith JL, et al. **Dig Dis Sci** 1985 Apr;30(4):308-12

Effects of proximal gastric vagotomy and antrectomy on parietal cell function in humans. Leth R, et al. **Gastroenterology** 1984 Dec;87(6):1277-82

Central nervous system action of bombesin to inhibit gastric acid secretion. Tache Y, et al. **Life Sci** 1985 Jul 15;37(2):115-23 (43 ref.)

[Role of calcium in the preparation and secretory activity of cells isolated from the gastric mucosa of rabbits] Magous R, et al. **C R Soc Biol (Paris)** 1985;179(2):224-9 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

The early changes of parietal cell structure in the course of secretory activity in the rat. Vial JD, et al. **Am J Anat** 1985 Apr;172(4):291-306

A freeze-fracture study on the basolateral plasma membrane of the gastric parietal cells in fasting and refed rats. Taira K, et al. **Arch Histol Jpn** 1984 Nov;47(5):495-503

Visualization of the secretory canaliculi of human parietal cells with a peroxidase-labelled peanut lectin. Light- and electron-microscopic observations. Malchiodi Albedi F, et al. **Cell Tissue Res** 1985;239(2):447-50

Electrolyte transport across the basolateral membrane of the parietal cells. Muallem S, et al. **J Biol Chem** 1985 Jun 10;260(11):6641-53

Morphometric studies of gastric parietal cells in healthy subjects, and in patients before and after vagotomy operation. A review article. Aase ST. **J Oslo City Hosp** 1985 Jan;35(1):3-17

Light- and electron-microscopy of normal and regenerating gastric mucosa with special reference to the parietal cells. Blom H. **Scand J Gastroenterol [Suppl]** 1984;105:33-45

Quantitative light and electron microscopical studies of the effect of vagotomy on parietal cells in rats. Nakamura R. **Tohoku J Exp Med** 1985 Mar;145(3):269-82

PARIETAL LOBE

Spontaneous pain, hyperpathia and wasting of the hand due to parietal lobe haemorrhage. Sandyk R. **Eur Neurol** 1985;24(1):1-3

Rapid fading of visual sensations in a subject with a parietal-occipital tumour. Holliday IE, et al. **Ophthalmic Physiol Opt** 1985;5(2):149-56

Pleomorphic xanthoastrocytoma: a report of two cases. Jones MC, et al. **Pediatr Pathol** 1983 Oct-Dec;1(4):459-67

[Electroclinical study of partial complex epilepsy. Paroxysmal need to drink] Despland PA, et al. **Rev Electroencephalogr Neurophysiol Clin** 1985 Apr;14(4):293-6 (Eng. Abstr.) **(Fre)**

[Extracranial metastasis of ependymoma. Case report] Andoh T, et al. **Neurol Med Chir (Tokyo)** 1984 Oct;24(10):800-7 (Eng. Abstr.) **(Jpn)**

[Visuomotor ataxia. Clinical and CT scan studies in three cases] Hirose G, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):342-50 (Eng. Abstr.) **(Jpn)**

[So-called parietal muscular atrophy] Drac H, et al. **Neurol Neurochir Pol** 1984 May-Jun;18(3):283-6 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

The projection of the primary somatic sensory cortex upon area 5 in the monkey. Pearson RC, et al. **Brain Res** 1985 Apr;356(1):89-107

Cortical afferents and efferents of monkey postarcuate area: an anatomical and electrophysiological study. Godschalk M, et al. **Exp Brain Res** 1984;56(3):410-24

Callosal and prefrontal associational projecting cell populations in area 7A of the macaque monkey: a study using retrogradely transported fluorescent dyes. Andersen RA, et al. **J Comp Neurol** 1985 Feb 22;232(4):443-55

The differential projection of two cytoarchitectonic subregions of the inferior parietal lobule of macaque upon the deep layers of the superior colliculus. Lynch JC, et al. **J Comp Neurol** 1985 May 8;235(2):241-54

Projections to the frontal cortex from the posterior parietal region in the rhesus monkey. Petrides M, et al. **J Comp Neurol** 1984 Sep 1;228(1):105-16

Thalamic projections to areas 5a and 5b of the parietal cortex in the cat: a retrograde horseradish peroxidase study. Avendaño C, et al. **J Neurosci** 1985 Jun;5(6):1446-70

The inhomogeneous distribution of the corticostriatal fibers originating from the frontal and parietal cortices: an autoradiographic study in the rat. Watanabe K. **Okajimas Folia Anat Jpn** 1984 Aug;61(2-3):183-99

[Connections between the posterolateral nucleus of the thalamus and the parietal and occipital areas of the cerebral hemispheres in the cat] Zhvaniia MG. **Arkh Anat Gistol Embriol** 1985 Apr;88(4):20-4 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Disturbance of smooth pursuit caused by infarction of occipitoparietal cortex. Leigh RJ, et al. **Ann Neurol** 1985 Feb;17(2):185-7

Object reversals after parietal lobe infarction--a case report. Feinberg T, et al. **Cortex** 1985 Jun;21(2):261-71

DRUG EFFECTS

Nuclear inclusions following chronic ethanol administration. An electron-microscopic investigation of the rat parietal cortex. Volk B, et al. **Acta Neuropathol (Berl)** 1985;67(1-2):170-3

In vivo modulation of norepinephrine-induced cerebral oxygenation states by hypoxia and hyperoxia. Sylvia AL, et al. **Brain Res** 1985 Jul 15;338(2):281-8

GROWTH & DEVELOPMENT

Removal and reimplantation of the parietal cortex of the neonatal mouse: consequences for the barrelfield. Andrés FL, et al. **Brain Res** 1985 May;352(1):115-21

Distinguishing topography and somatotopy in the thalamocortical projections of the developing rat. Dawson DR, et al. **Brain Res** 1985 Jan;349(1-2):309-13

INJURIES

Changes in intracranial pressure and epidural pulse waveform following cold injury. Hirai O, et al. **Acta Neurochir (Wien)** 1985;77(1-2):14-21

State of intercortical connections after cranial-cerebral trauma with injury to the lower parietal lobe. Dzugaeva SB, et al. **Neurosci Behav Physiol** 1985 Mar-Apr;15(2):139-44

METABOLISM

Bilateral alpha-melanocyte stimulating hormonergic fiber system from zona incerta to cerebral cortex: combined retrograde axonal transport and immunohistochemical study. Shiosaka S, et al. **Brain Res** 1984 Sep 10;309(2):350-3

[3H]Choline labeling of cerebellothalamic neurons with observations on the cerebello-thalamo-parietal pathway in cats. Stanton GB, et al. **Brain Res** 1985 Jun 3;335(2):237-43

Glycogen particles in methionine sulfoximine epileptogenic rodent brain and liver after the administration of methionine and actinomycin D. Delorme P, et al. **Neuropathol Appl Neurobiol** 1985 Mar-Apr;11(2):117-28

Cortical serotonin-S2 receptor binding abnormalities in patients with Alzheimer's disease: comparisons with Parkinson's disease. Perry EK, et al. **Neurosci Lett** 1984 Oct 26;51(3):353-7

PATHOLOGY

Nuclear magnetic resonance diagnosis of an anaplastic astrocytoma. Jackson JA, et al. **Magn Reson Imaging** 1984;2(3):227-33

Acquired intracerebral toxoplasmosis presented as calcified mass lesions. Kuratsu J, et al. **Neurol Med Chir (Tokyo)** 1985 Jan;25(1):42-4

PHYSIOLOGY

Specific and non-specific inhibition induced by LP-pulvinar inputs to area 7 of the rhesus monkey. Blum B. **Arch Ital Biol** 1984 Sep;122(3):237-48

Comparative characteristics of unit activity in the prefrontal and parietal areas during delayed performance in monkeys. Batuev AS, et al. **Behav Brain Res** 1985 Jul;16(1):57-70

Peripheral inputs and early unit activity in area 5 of the monkey during a trained forelimb movement. Burbaud P, et al. **Brain Res** 1985 Jul 1;337(2):341-6

Color imaging of parietal and frontal somatosensory potential fields evoked by stimulation of median or posterior tibial nerve in man. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jan;62(1):1-17

Effects of posterior parietal lesions on visually guided movements in monkeys. Faugier-Grimaud S, et al. **Exp Brain Res** 1985;59(1):125-38

Area 4 and area 5: differences between the load direction-dependent discharge variability of cells during active postural fixation. Kalaska JF, et al. **Exp Brain Res** 1985;59(1):197-202

A quantitative analysis of stimulus- and movement-related responses in the posterior parietal cortex of the monkey. Seal J, et al. **Exp Brain Res** 1985;58(1):144-53

Parietal hemineglect and motor deficits in the monkey. Deuel RK, et al. **Neuropsychologia** 1985;23(3):305-14

In search for the egocentric reference. A neurophysiological hypothesis. Ventre J, et al. **Neuropsychologia** 1984;22(6):797-806

Interhemispheric asymmetry of associative responses in the cat parietal cortex. Bianki VL, et al. **Neurosci Behav Physiol** 1984 Nov-Dec;14(6):502-10

Neural mechanisms of space vision in the parietal association cortex of the monkey. Sakata H, et al. **Vision Res** 1985;25(3):453-63

[Integrative properties of parietal cortex neurons of rabbits during the switching of heterogeneous classical conditioned reflexes] Timofeeva NO, et al. **Biol Nauki** 1984;(11):47-51 (Eng. Abstr.) **(Rus)**

[Electrophysiological studies of projections from the parietal associative area to the motor cortex of the cat] Koreniuk II, et al. **Fiziol Zh** 1985 Mar-Apr;31(2):126-33 (Eng. Abstr.) **(Rus)**

[Neuron responses to intracortical stimulation of chronically isolated strips of the associative cerebral cortex (area 5) of the cat] Taranenko VD, et al. **Fiziol Zh** 1985 Mar-Apr;31(2):113-20 (Eng. Abstr.) **(Rus)**

[Electrophysiological characteristics of cortico-cortical connections of the parietal associative area of the cerebral cortex (field 5) with the motor cortical zone] Koreniuk II, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):366-72 (Eng. Abstr.) **(Rus)**

[Long-term reorganization of the neuronal activity in field 7 of the neocortex in the cat after unilateral section of the visual radiation] Senatorov VV, et al. **Neirofiziologiia** 1985;17(1):50-7 (Eng. Abstr.) **(Rus)**

[Evoked potentials in the parietal cortex in response to stimulation of the posterolateral nucleus of the thalamus in kittens of different ages] Vasil'eva LA, et al. **Zh Evol Biokhim Fiziol** 1984 Sep-Oct;20(5):523-8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Unilateral visual neglect and wave P 300. A study of nine cases with unilateral lesions of the parietal lobes. Lhermitte F, et al. **Arch Neurol** 1985 Jun;42(6):567-73

The control of hand movements in a case of hemianaesthesia following a parietal lesion. Jeannerod M, et al. **Brain** 1984 Sep;107 (Pt 3):899-920

Transient inaccuracy in reaching caused by a posterior parietal lobe lesion. Ferro JM. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1016-9

Long-term effects of early undernutrition on reactivity of the rat parietal association cortex. Pérez H, et al. **Neurosci Lett** 1984 Jul 27;48(2):103-7

RADIONUCLIDE IMAGING

Posterior oblique radioisotope sinogram for detection of sagittal sinus obstruction. Schachner E, et al. **Nucl Med Commun** 1984 Jun;5(6):393-5

SURGERY

[Case of severe epilepsy treated by 2-stage hemispherectomy] Stepień L, et al. **Neurol Neurochir Pol** 1984 May-Jun;18(3):295-302 (Eng. Abstr.) **(Pol)**

PARITY

Reproductive patterns and the risk of gestational trophoblastic disease. Parazzini F, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):866-70

Multiparity and sex ratio in mice. Ashman RB.

Aust J Exp Biol Med Sci 1985 Apr;63 (Pt 2):195–6

Effects of age, parity and length of pregnancy on the morphology and histology of human placenta. Ara G, et al. **Bangladesh Med Res Counc Bull** 1984 Dec;10(2):53–8

The influence of season, parity, and duration of lactation on some performance traits of sows indigenous to Nigeria. Somade B. **Beitr Trop Landwirtsch Veterinarmed** 1985; 23(1):81–7

The effect of parity on uterine activity in labour. Arulkumaran S, et al. **Br J Obstet Gynaecol** 1984 Sep; 91(9):843–8

Pre–eclampsia in second pregnancy. Campbell DM, et al. **Br J Obstet Gynaecol** 1985 Feb;92(2):131–40

Birth spacing and fertility limitation: a behavioral analysis of a nineteenth century frontier population. Anderton DL, et al. **Demography** 1985 May;22(2):169–83

The impact of child mortality on spacing by parity: a Cox–regression analysis. Lehrer E. **Demography** 1984 Aug; 21(3):323–37

Achieving expected parities: a reanalysis of Freedman et al.'s data, 1962–1977. Sloane DM, et al. **Demography** 1984 Aug; 21(3):413–22

Further reflections on changes in fertility expectations and preferences. Thornton AD, et al. **Demography** 1984 Aug; 21(3):423–9

Occurrence and characteristics of sclerotic lesions in uterine arteries of sterile and multiparous pigs. Kadziolka A, et al. **J Anim Sci** 1985 Jun;60(6):1619–30

Influence of maternal age, parity and social class on perinatal mortality in Scotland: 1960–82. Forbes JF, et al. **J Biosoc Sci** 1985 Jul;17(3):339–49

Parental age, parity and sex ratio in births in England and Wales, 1968–77. James WH, et al. **J Biosoc Sci** 1985 Jan; 17(1):47–56

Age–parity–season adjustment factors for milk and fat yields of dairy goats. Finley CM, et al. **J Dairy Sci** 1984 Aug; 67(8):1868–72

Trend of age at first calving. Powell RL. **J Dairy Sci** 1985 Mar;68(3):768–72

Childbirth preparation and outcomes of labor and delivery in primiparous women. Patton LL, et al. **J Fam Pract** 1985 Apr;20(4):375–8

Reproductive variables as possible confounders in occupational studies of breast and ovarian cancer in females. Threlfall WJ, et al. **J Occup Med** 1985 Jun; 27(6):448–50

Estrogen and sex hormone–binding globulin levels in nulliparous and parous women. Bernstein L, et al. **JNCI** 1985 Apr;74(4):741–5

Age at first pregnancy and risk of colorectal cancer: a case–control study. Howe GR, et al. **JNCI** 1985 Jun; 74(6):1155–9

Age at first birth and risk of epithelial ovarian cancer [letter] Lesher L, et al. **JNCI** 1985 Jun;74(6):1361–3

Factors affecting the outcome of maternal alcohol exposure: I. Parity. Abel EL, et al. **Neurobehav Toxicol Teratol** 1984 Sep–Oct;6(5):373–7

Reproductive performance in gilts through their first two parities. Linde C, et al. **Nord Vet Med** 1984 Jul–Aug; 36(7–8):207–14

Grand multiparity: benefits of a referral program for hospital delivery and postpartum tubal ligation. Barss P, et al. **Papua New Guinea Med J** 1985 Mar;28(1):35–9

Childlessness: a panel study of expressed intentions and reported fertility. Pol LG. **Soc Biol** 1983 Fall;30(3):318–27

A test of the child replacement hypothesis: nineteenth century Massachusetts. Temkin–Greener H, et al. **Soc Biol** 1983 Summer;30(2):218–27

[Does a second pregnancy induced by artificial insemination occur more rapidly than the first? (letter)] Bremond A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(5):583 **(Fre)**

[The elderly primipara] Blanc B, et al. **Rev Fr Gynecol Obstet** 1984 Feb;79(2):109–14 (Eng. Abstr.) **(Fre)**

[Screening for endometrial carcinoma in a group at risk] Morack G, et al. **Arch Geschwulstforsch** 1984;54(5):415–22 (Eng. Abstr.) **(Ger)**

[Late primiparity: what has changed in the last 25 years?] Baumann H, et al. **Geburtshilfe Frauenheilkd** 1984 Jul; 44(7):415–20 (Eng. Abstr.) **(Ger)**

[The late primipara––sociomedical aspects] Siegrist J. **Gynakol Rundsch** 1984;24 Suppl 1:154–8 **(Ger)**

[Dispensarization of multiparae in women's consultation centers] Kaiupova NA, et al. **Akush Ginekol (Mosk)** 1985 May;(5):56–7 **(Rus)**

[Fetal hypotrophy in multiparous women] Omarov SM, et al. **Akush Ginekol (Mosk)** 1984 Oct;(10):23–6 (Eng. Abstr.) **(Rus)**

[Morphometric study of the myometrium in multiparae] Stepaniants RI, et al. **Akush Ginekol (Mosk)** 1985 May; (5):54–5 **(Rus)**

[Risk factors in the grand multipara] Plascencia Moncayo N, et al. **Ginecol Obstet Mex** 1985 Apr;53(336):87–9 (Eng. Abstr.) **(Spa)**

PARKING FACILITIES see under **FACILITY DESIGN AND CONSTRUCTION**

PARKINSON DISEASE

Parkinson's disease in 1984: an update. Lang AE, et al. **Can Med Assoc J** 1984 Nov 1;131(9):1031–7 (71 ref.)

[Parkinson disease: clinical, physiopathological and therapeutic aspects] Sanvito WL, et al. **AMB** 1984 May–Jun;30(5–6):108–14 (65 ref.) **(Por)**

BLOOD

Domperidone and levodopa in Parkinson's disease. Shindler JS, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):959–62

The formation of 3–hydroxy–4–methoxyphenylalanine and 3–hydroxy–4–methoxyphenethylamine in plasma during L–DOPA therapy in patients with Parkinson's disease. Ishimitsu T, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug; 32(8):3320–2

[Methylation of erythrocyte membrane phospholipids: correlation with membrane viscosity. Study of normal and parkinsonian subjects] Meininger V, et al. **Rev Neurol (Paris)** 1984;140(8–9):488–92 (Eng. Abstr.) **(Fre)**

CEREBROSPINAL FLUID

Reduced cholecystokinin levels in cerebrospinal fluid of parkinsonian and schizophrenic patients. Effect of ceruletide in schizophrenia. Lotstra F, et al. **Ann NY Acad Sci** 1985;448:507–17

CSF monoamine metabolite levels in Alzheimer's and Parkinson's disease. Gibson CJ, et al. **Arch Neurol** 1985 May;42(5):489–92

CSF monamine metabolites in movement disorders and normal aging. Stahl SM, et al. **Arch Neurol** 1985 Feb; 42(2):166–9

Serotonin and 5–hydroxyindoleacetic acid in CSF. Difference in Parkinson's disease and dementia of the Alzheimer's type. Volicer L, et al. **Arch Neurol** 1985 Feb; 42(2):127–9

Cerebrospinal fluid levels of angiotensin–converting enzyme in Alzheimer's disease, Parkinson's disease and progressive supranuclear palsy. Zubenko GS, et al. **Brain Res** 1985 Mar 4;328(2):215–21

Two–dimensional electrophoresis and 'ultrasensitive' silver staining of cerebrospinal fluid proteins in neurological diseases. Harrington MG, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):1933–7

beta–Endorphin cerebrospinal fluid decrease in untreated parkinsonian patients. Nappi G, et al. **Neurology** 1985 Sep; 35(9):1371–4

CSF Met–enkephalin levels in Parkinson's disease [letter] Sandyk R, et al. **Neurology** 1985 May;35(5):776–7

CLASSIFICATION

Idiopathic dystonia–parkinsonism with marked diurnal fluctuation of symptoms. Sunohara N, et al. **Ann Neurol** 1985 Jan;17(1):39–45

COMPLICATIONS

Recklinghausen disease and Parkinson disease: an unusual association. D'Ambrosio G, et al. **Acta Neurol (Napoli)** 1984 Aug;6(4):274–9

Association between essential tremor and Parkinson's disease. Geraghty JJ, et al. **Ann Neurol** 1985 Apr;17(4):329–33

Low cancer rates among patients with Parkinson's disease. Jansson B, et al. **Ann Neurol** 1985 May;17(5):505–9

Naloxone does not benefit levodopa–induced hallucinations in Parkinson's disease [letter] Sandyk R, et al. **Ann Neurol** 1984 Dec;16(6):723

Severe compression neuropathy following sudden onset of parkinsonian immobility. Kurlan R, et al. **Arch Neurol** 1985 Jul;42(7):720

Axial apraxia, a distinct phenomenon. Lakke JP, et al. **Clin Neurol Neurosurg** 1984;86(4):291–4

Depression as a cause of hallucinations in Parkinson's disease [letter] Sandyk R, et al. **Clin Neuropharmacol** 1985; 8(2):199–200

Depression in Parkinson disease: a disabling but neglected factor. Cantello R, et al. **Ital J Neurol Sci** 1984 Dec; 5(4):417–22

Total knee replacement in patients with Parkinson's disease. Oni OO, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):424–5

Clawhand deformity presumed secondary to Parkinson's disease. Heinzelmann PR, et al. **J Hand Surg [Am]** 1985 Jan;10(1):19–21

The response of the apparent receptive speech disorder of Parkinsonism to speech therapy [letter] Hartman DE, et al. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):606

Cholinergic correlates of cognitive impairment in Parkinson's disease: comparisons with Alzheimer's disease. Perry EK, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):413–21

The consequences of Parkinson's disease––needs, provisions and initiatives. Nanton V. **J R Soc Health** 1985 Apr; 105(2):52–4

Colchicine ameliorates constipation in Parkinson's disease [letter] Sandyk R, et al. **J R Soc Med** 1984 Dec;77(12):1066

A microcomputer–based wearable biofeedback device to improve transfer of treatment in parkinsonian dysarthria. Rubow R, et al. **J Speech Hear Disord** 1985 May; 50(2):178–85

Parkinson's disease and dementia [letter] **Lancet** 1985 Feb 16;1(8425):407–8

How common is dementia in Parkinson's disease? Brown RG, et al. **Lancet** 1984 Dec 1;2(8414):1262–5

Dementia prevalence in Parkinson's disease [letter] Taylor A, et al. **Lancet** 1985 May 4;1(8436):1037

Aspiration of oral contents in Parkinson's disease. A case report. Cooper RG, et al. **S Afr Med J** 1985 Aug 31; 68(5):344–5

[Dysphagia in Parkinson's disease (letter)] Allain H, et al. **Presse Med** 1985 May 4;14(18):1035–6 **(Fre)**

[Rhabdomyolysis in a severe form of Parkinson's disease (letter)] Woimant F, et al. **Presse Med** 1985 Jun 1; 14(22):1244–5 **(Fre)**

[Clinical aspects of osteoarticular pathology. Arthritic and algodystrophic manifestations in a case of akineto–rigid Parkinson syndrome] Foidart–Dessalle M, et al. **Rev Med Liege** 1985 Jan 1;40(1):25–8 **(Fre)**

[Dementia and Parkinson's disease: biochemical and anatomo–clinical correlation] Dubois B, et al. **Rev Neurol (Paris)** 1985;141(3):184–93 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The diagnosis of Parkinson's disease. Koller WC. **Arch Intern Med** 1984 Nov;144(11):2146–7

Parkinson's disease and progressive supranuclear palsy [letter] Stein ZL. **Arch Intern Med** 1985 May;145(5):952

The early diagnosis of Parkinson's disease. Rice P. **Aust Fam Physician** 1984 May;13(5 Suppl):4–5

Low–contrast letter charts in early diabetic retinopathy, ocular hypertension, glaucoma, and Parkinson's disease. Regan D, et al. **Br J Ophthalmol** 1984 Dec;68(12):885–9

Akinesia in parkinsonism––clinical and pharmacological analysis of parkinsonian symptoms. Narabayashi H. **Bull Mem Acad R Med Belg** 1984;139(6):309–20

A 'saw–tooth' pattern in Parkinson's disease. Schiffman PL. **Chest** 1985 Jan;87(1):124–6

The Graeme Robertson memorial lecture, 1983. The long–term prognosis of Parkinson's disease. Selby G. **Clin Exp Neurol** 1984;20:1–25

Diagnostic problems in Parkinson's disease. Barbeau A. **Clin Neurol Neurosurg** 1984;86(3):164–71

The symptoms of patients treated for Parkinson's disease. Bulpitt CJ, et al. **Clin Neuropharmacol** 1985;8(2):175–83

Qualitative assessment of Parkinson's disease: study of reliability and data reduction with an abbreviated Columbia Scale. Montgomery GK, et al. **Clin Neuropharmacol** 1985; 8(1):83–92

Patients with Parkinson's disease can employ a predictive motor strategy. Day BL, et al. **J Neurol Neurosurg Psychiatry** 1984 Dec;47(12):1299–306

Contribution of perceptual motor dysfunction to construction and tracing disturbances in Parkinson's disease. Stern Y, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):983–9

Reaction time of patients with Parkinson's disease, with reference to asymmetry of neurological signs. Yokochi F, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):702–5

Down the wrong garden path. Easley RB. **NC Med J** 1984 Sep;45(9):559

Blink rate as clinical indicator [letter] Shukla D. **Neurology** 1985 Feb;35(2):286

The heterogeneity of Parkinson's disease: clinical and prognostic implications. Zetusky WJ, et al. **Neurology** 1985 Apr;35(4):522–6

Meningioma of the lesser sphenoid wing presenting like Parkinson's disease [letter] Lesoin F, et al. **Surg Neurol** 1985 Apr;23(4):452–3

[Orbicularis oculi reflex in clinical and experimental neurology] Dengler R. **Fortschr Med** 1985 May 23; 103(20):556–8 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of parkinsonism based on a semiquantitative scoring system––chiefly to discriminate two major causes, paralysis agitans and vascular parkinsonism] Saito T, et al. **Rinsho Shinkeigaku** 1985 May; 25(5):591–6 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

The effect of L–Deprenyl on on–off phenomena in Parkinson's disease. Brodersen P, et al. **Acta Neurol Scand** 1985 Jun;71(6):494–7

Regional cerebral blood flow in hemiparkinsonian patients. Emission computerized tomography of inhaled 133Xenon before and after levodopa. Henriksen L, et al. **Acta Neurol Scand** 1985 Apr;71(4):257–66

Result of chronic levodopa therapy and its modification by bromocriptine in Parkinson's disease. Hoehn MM. **Acta Neurol Scand** 1985 Feb;71(2):97–106

Autonomic cardiovascular responses in parkinsonism: effect of levodopa with dopa–decarboxylase inhibition. Sachs C, et al. **Acta Neurol Scand** 1985 Jan;71(1):37–42

Gynecological follow–up of parkinsonian patients on long–term bromocriptine treatment. Grönroos M, et al. **Acta Obstet Gynecol Scand** 1985;64(1):81–2

Mental impairment in Parkinson's disease. The role of anticholinergic drugs. Meco G, et al. **Acta Psychiatr Belg** 1984 Jul–Aug;84(4):325–35

Treatment of resting tremor by beta–adrenergic blockade. Foster NL, et al. **Am Heart J** 1984 Oct;108(4 Pt 2):1173–7

Development of malignant melanoma after levodopa therapy for Parkinson's disease. Report of a case and review of the literature. Kochar AS. **Am J Med** 1985 Jul;79(1):119–21

Treatment of major depression and Parkinson's disease with combined phenelzine and amantadine [letter] Greenberg R, et al. **Am J Psychiatry** 1985 Feb;142(2):273–4

Peripheral beta–adrenergic blockade treatment of parkinsonian tremor. Foster NL, et al. **Ann Neurol** 1984 Oct;16(4):505-8

Mesulergine (CU32-085) in the treatment of Parkinson's disease. Pfeiffer RF, et al. **Ann Neurol** 1985 Apr;17(4):334-6

Octacosanol in parkinsonism [letter] Snider SR. **Ann Neurol** 1984 Dec;16(6):723

Cholecystokinin-mediated synaptic function and the treatment of neuropsychiatric disease. Chase TN, et al. **Ann NY Acad Sci** 1985;448:553-61

Treatment of severe Parkinson's disease by intraventricular injection of dopamine. Venna N, et al. **Appl Neurophysiol** 1984;47(1-2):62-4

'Drug holidays' in the treatment of Parkinson's disease. A brief review. Friedman JH. **Arch Intern Med** 1985 May; 145(5):913-5 (24 ref.)

Low-dose bromocriptine therapy in Parkinson's disease. Pfeiffer RF, et al. **Arch Neurol** 1985 Jun;42(6):586-8

The drug treatment of Parkinson's disease. Morris JG. **Aust Fam Physician** 1984 May;13(5 Suppl):6-8, 11

Domperidone [letter] Critchley P, et al. **Br Med J [Clin Res]** 1985 Mar 9;290(6470):788

Domperidone [letter] Leeser J, et al. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):241-2

Problems with inactivation of drugs used in Parkinson's disease. Walls TJ, et al. **Br Med J [Clin Res]** 1985 Feb 9;290(6466):444-5

Bromocriptine in the management of end of dose deterioration in Parkinson's disease. Grimes JD, et al. **Can J Neurol Sci** 1984 Nov;11(4):452-6

Dopamine agonists and Parkinson's disease. Burton K, et al. **Clin Neurol Neurosurg** 1984;86(3):172-7

Problems of levodopa treatment. Horstink MW. **Clin Neurol Neurosurg** 1984;86(3):196-206

Dyskinesias associated with lithium therapy in parkinsonism. Coffey CE, et al. **Clin Neuropharmacol** 1984;7(3):223-9

Levodopa during pregnancy. Cook DG, et al. **Clin Neuropharmacol** 1985;8(1):93-5

Low-dose bromocriptine therapy in severe Parkinson's disease. Devathasan G, et al. **Clin Neuropharmacol** 1984; 7(3):231-7

Bromocriptine: problems with low-dose de novo therapy in Parkinson's disease. Grimes JD, et al. **Clin Neuropharmacol** 1985;8(1):73-7

The controversial role of bromocriptine in Parkinson's disease. Hardie RJ, et al. **Clin Neuropharmacol** 1985; 8(2):150-5 (29 ref.)

Long-term use of dopamine agonists in Parkinson's disease. Jankovic J. **Clin Neuropharmacol** 1985;8(2):131-40 (51 ref.)

The pharmacology of mesulergine. Pfeiffer RF. **Clin Neuropharmacol** 1985;8(1):64-72 (35 ref.)

Dopamine receptors: effects of chronic L-dopa and bromocriptine treatment in an animal model of Parkinson's disease. Schneider MB, et al. **Clin Neuropharmacol** 1984; 7(3):247-57

I.v. amantidine sulfate for extrapyramidal crisis [letter] Gadoth N, et al. **Clin Pharm** 1985 Mar-Apr;4(2):146

Influence of L-DOPA/carbidopa on pattern reversal VEP: behavioural difference in primary and secondary parkinsonism. Sollazzo D. **Electroencephalogr Clin Neurophysiol** 1985 Oct; 61(4):236-42

The pharmacology of Parkinson's disease: basic aspects and recent advances. Da Prada M, et al. **Experientia** 1984 Nov 15;40(11):1165-72 (114 ref.)

Recent developments in the treatment of Parkinson's disease. Greer M. **Geriatrics** 1985 Feb;40(2):34-8, 41

Therapy of neurologic disorders in the elderly. Mancall EL, et al. **Hosp Pract [Off]** 1984 Oct;19(10):106E, 106I, 106L passim

Deprenyl in Parkinson disease: personal experience. Giovannini P, et al. **Ital J Neurol Sci** 1985 Jun;6(2):207-12

Effectiveness of bornaprine on parkinsonian tremor. Sancesario G, et al. **Ital J Neurol Sci** 1984 Sep;5(3):289-93

Pharmacological basis of therapeutics: dopamine receptors. Heikkila RE. **J Med Soc NJ** 1984 Dec;81(12):1084-6

Inhibitory effect of drugs used in the treatment of Parkinson's disease on plasma monoamine oxidase activity. Coelho H, et al. **J Neural Transm** 1985;61(3-4):271-7

Levodopa-induced dyskinesia: clinical observations. Friedman A. **J Neurol** 1985;232(1):29-31

Pergolide therapy in Parkinson's disease. Jeanty P, et al. **J Neurol** 1984;231(3):148-52

Three-year observation of mesulergine (CU 32-085) in advanced and newly treated parkinsonism. Schneider E, et al. **J Neurol** 1985;232(1):24-8

Low-dose bromocriptine in Parkinson's disease [letter] Pearce I, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr; 48(4):388-9

Levodopa and melanoma: three cases and review of literature. Rampen FH. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):585-8

Dopamine metabolism in the central nervous system after discontinuation of L-dopa therapy in patients with Parkinson disease. Ogasahara S, et al. **J Neurol Sci** 1984 Nov-Dec;66(2-3):151-63

Audit of the drug treatment of Parkinson's disease in general practice. Wilson JA, et al. **J R Coll Gen Pract** 1985 Jun; 35(275):276-8

Fluctuating levodopa concentrations and Parkinson's disease [letter] Juncos J, et al. **Lancet** 1985 Aug 24;2(8452):440

Active and inactive L-prolyl-L-leucyl glycinamide synthetic analogs in rat models of levodopa-treated Parkinson's disease. Case TC, et al. **Life Sci** 1985 Jul 1;36(26):2531-7

Problems in the contemporary treatment of parkinsonism. Eadie MJ. **Med J Aust** 1985 Jan 21;142(2):113-7

Reappraisal of temporary levodopa withdrawal ('drug holiday') in Parkinson's disease. Mayeux R, et al. **N Engl J Med** 1985 Sep 19;313(12):724-8

Pharmacology of Parkinson's disease. Burton K, et al. **Neurol Clin** 1984 Aug;2(3):461-72 (50 ref.)

Reversal of sleep disturbance in Parkinson's disease by antiparkinsonian therapy: a preliminary study. Askenasy JJ, et al. **Neurology** 1985 Apr;35(4):527-32

Parkinson's disease: a comparison of mesulergine and bromocriptine. Burton K, et al. **Neurology** 1985 Aug; 35(8):1205-8

Response variations in the treatment of Parkinson's disease. de Jong GJ, et al. **Neurology** 1984 Nov;34(11):1507-9

L-dopa-induced respiratory disturbance in Parkinson's disease suppressed by tiapride. De Keyser J, et al. **Neurology** 1985 Feb;35(2):235-7

Double-blind trial of pergolide for Parkinson's disease. Diamond SG, et al. **Neurology** 1985 Mar;35(3):291-5

Hyperthermia after discontinuance of levodopa and bromocriptine therapy: impaired dopamine receptors a possible cause. Figà-Talamanca L, et al. **Neurology** 1985 Feb;35(2):258-61

Chronic agonist therapy for Parkinson's disease: a 5-year study of bromocriptine and pergolide. Goetz CG, et al. **Neurology** 1985 May;35(5):749-51

Bromocriptine dose and severity of Parkinson's disease [letter] Grimes JD. **Neurology** 1985 Apr;35(4):614-5

Low dosages of bromocriptine added to levodopa in Parkinson's disease. Hoehn MM, et al. **Neurology** 1985 Feb; 35(2):199-206

Long-term study of pergolide in Parkinson's disease. Jankovic J. **Neurology** 1985 Mar;35(3):296-9

Placebo-controlled study of mesulergine in Parkinson's disease. Jankovic J, et al. **Neurology** 1985 Feb;35(2):161-5

Long-term experience with pergolide therapy of advanced parkinsonism. Kurlan R, et al. **Neurology** 1985 May; 35(5):738-42

Combined bromocriptine-levodopa therapy early in Parkinson's disease. Rinne UK. **Neurology** 1985 Aug; 35(8):1196-8

Sensory symptoms: Parkinson's disease [letter] Sandyk R, et al. **Neurology** 1985 Apr;35(4):619-20

Treatment of parkinsonism with L-threo-3,4-dihydroxyphenylserine: a pharmacokinetic study. Suzuki T, et al. **Neurology** 1984 Nov;34(11):1446-50

Pergolide mesylate: lack of cardiac toxicity in patients with cardiac disease. Tanner CM, et al. **Neurology** 1985 Jun; 35(6):918-21

Initial treatment of parkinsonism with 8-alpha-amino-ergoline. Teräväinen H, et al. **Neurology** 1985 Jan;35(1):83-7

Fluperlapine in tardive dyskinesia and parkinsonism. Korsgaard S, et al. **Psychopharmacology (Berlin)** 1984; 84(1):76-9

Pathophysiology of L-dopa-induced abnormal involuntary movements. Agid Y, et al. **Psychopharmacology [Suppl]** 1985;2:145-59

Treatment of Parkinson's disease with L-methionine. Smythies JR, et al. **South Med J** 1984 Dec;77(12):1577

[Clinical study of pergolide in Parkinson's disease] Gonce M, et al. **Presse Med** 1985 Jun 29;14(26):1409-11 (Eng. Abstr.) **(Fre)**

[Treatment of Parkinson's disease with high doses of bromocriptine. Possible interaction with josamycin (letter)] Montastruc JL, et al. **Presse Med** 1984 Oct 20;13(37):2267-8 **(Fre)**

[Early or late dopa therapy in Parkinson's disease (letter)] Petit H. **Presse Med** 1984 Oct 13;13(36):2213 **(Fre)**

[Dopamine agonists in the therapy of parkinson syndrome] Kapfhammer HP, et al. **Nervenarzt** 1985 Feb;56(2):69-81 **(Ger)**

[L-dopa therapy of parkinson syndrome] Kapfhammer HP, et al. **Nervenarzt** 1985 Feb;56(2):57-68 **(Ger)**

[Long-term therapy of the Parkinson syndrome] Ludin HP. **Schweiz Med Wochenschr** 1984 Aug 18;114(33):1131-6 (Eng. Abstr.) **(Ger)**

[Toxic drug effects of antiparkinson therapy and their preventability] Danielczyk W. **Z Gerontol** 1984 Sep-Oct; 17(5):280-4 (Eng. Abstr.) **(Ger)**

[Tiapride in persistent dyskinesias following long-term L-dopa for parkinsonism] Arlazoroff A, et al. **Harefuah** 1985 Mar 1;108(5):227-9 (Eng. Abstr.) **(Heb)**

[Biochemical basis for using selective monoamine oxidase inhibitors in the treatment of Parkinson's disease. Critical contribution] Amato L, et al. **Riv Neurol** 1985 Jan-Feb; 55(1):46-52 (32 ref.) **(Ita)**

[Bornaprine in the treatment of parkinsonian tremor] Piccirilli M, et al. **Riv Neurol** 1985 Jan-Feb;55(1):38-45 (Eng. Abstr.) **(Ita)**

[Clinical significance of long-term treatment of L-dopa with bromocriptine in parkinsonian patients who showed declining efficacy during L-dopa therapy] Indo T. **Nippon Naika Gakkai Zasshi** 1985 Mar;74(3):297-306 **(Jpn)**

[Onset-and end-of-dose dyskinesias induced by L-dopa treatment in a patient with juvenile parkinsonism] Katsuki T, et al. **No To Shinkei** 1984 Dec;36(12):1201-5 (Eng. Abstr.) **(Jpn)**

[Restless legs syndrome in four parkinsonian patients treated with amantadine] Horiguchi J, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):153-6 (Eng. Abstr.) **(Jpn)**

[Current problems of drug therapy in neurogeriatrics] Man'kovskiĭ NB, et al. **Vrach Delo** 1985 Mar;(3):106-11 (Eng. Abstr.) **(Rus)**

[New directions in contemporary pharmacotherapy of parkinsonism (review)] Kurako IuL, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1401-6 (55 ref.) **(Rus)**

[Method of treating parkinsonism with metamizil in combination with galanthamine (clinico-experimental basis)] Losev NA, et al. **Zh Nevropatol Psikhiatr** 1985; 85(3):376-81 (Eng. Abstr.) **(Rus)**

[Trans-cerebral electrophoresis of L-DOPA in the complex treatment of parkinsonism] Neĭmark EZ, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1334-8 (Eng. Abstr.) **(Rus)**

[Complications of long-term levodopa therapy in Parkinson's disease] Kostić V, et al. **Srp Arh Celok Lek** 1984 Sep; 112(9):975-84 (Eng. Abstr.) **(Scc)**

[Bromocriptine and Parkinson's disease] Vaskov Z, et al. **Vojnosanit Pregl** 1985 Mar-Apr;42(2):134-7 **(Ser)**

[Use of bromocriptine in Parkinson diseases in low doses at a slow rate. 40 patients] Liaño H, et al. **Arch Neurobiol (Madr)** 1984 May-Jun;47(3):143-50 (Eng. Abstr.) **(Spa)**

[Atenolol in the control of parkinsonian tremor (letter)] Barajas García-Talavera F, et al. **Med Clin (Barc)** 1985 Jan 19;84(2):78-9 **(Spa)**

[Secondary effects of prolonged levodopa therapy in Parkinson's disease] Peiró Grasa A, et al. **Med Clin (Barc)** 1985 Jun 15;85(3):88-91 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Brain glutamate decarboxylase in Parkinson's disease with particular reference to a premortem severity index. Monfort JC, et al. **Brain** 1985 Jun;108 (Pt 2):301-13

Tyrosine hydroxylase protein in Lewy bodies of parkinsonian and senile brains. Nakashima S, et al. **J Neurol Sci** 1984 Oct;66(1):91-6

CSF dopamine-beta-hydroxylase activity in Parkinson's disease. Hurst JH, et al. **Neurology** 1985 Apr;35(4):565-8

[Tyrosine hydroxylase in the catecholamine neurons of the autopsy brains with degenerative neurological disorder] Nakashima S, et al. **Rinsho Shinkeigaku** 1984 Jul; 24(7):716-22 (Eng. Abstr.) **(Jpn)**

[Parkinson's disease] Nagatsu T. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1801-14 (83 ref.) **(Jpn)**

ETIOLOGY

Radial compression neuropathy in advanced Parkinson's disease. Preston DN, et al. **Arch Neurol** 1985 Jul; 42(7):695-6

Parkinsonism caused by chronic subdural hematoma. A case report. Accardi R, et al. **Ital J Neurol Sci** 1985 Mar; 6(1):109-11

Parkinsonism, basal ganglia calcification and epilepsy as late complications of postoperative hypoparathyroidism. Uncini A, et al. **J Neurol** 1985;232(2):109-11

Aetiology of Parkinson's disease [letter] Bocchetta A, et al. **Lancet** 1985 Jan 12;1(8420):112-3

Methyltetrahydro-beta-carbolines and Parkinson's disease. Ohkubo S, et al. **Lancet** 1985 Jun 1;1(8440):1272-3

Permanent human parkinsonism due to 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP): seven cases. Ballard PA, et al. **Neurology** 1985 Jul; 35(7):949-56

Beta-carboline analogues of N-methyl-4-phenyl-1,2,5,6-tetrahydropyridine (MPTP): endogenous factors underlying idiopathic parkinsonism? Collins MA, et al. **Neurosci Lett** 1985 Apr 9;55(2):179-84

Parkinson's disease: an environmental cause? Lewin R. **Science** 1985 Jul 19;229(4710):257-8

Posttraumatic parkinsonism. Nayernouri T. **Surg Neurol** 1985 Sep;24(3):263-4

Parkinsonism as a manifestation of brain tumor. Polyzoidis KS, et al. **Surg Neurol** 1985 Jan;23(1):59-63

[Hemiparkinson syndrome in hyperparathyroidism (letter)] Müller R, et al. **Dtsch Med Wochenschr** 1985 Aug 2; 110(31-32):1231-2 **(Ger)**

[Hydrocephalus aresorptivus and parkinsonism caused by a cauda ependymoma] Kalff R. **Fortschr Neurol Psychiatr** 1985 Mar;53(3):85-7 (Eng. Abstr.) **(Ger)**

[Parkinson's syndrome. Etiopathogenesis and possibilities of treatment] Jovičić A. **Vojnosanit Pregl** 1985 May-Jun; 42(3):206-10 (54 ref.) **(Ser)**

[Shy-Drager syndrome. Description of a case] Gomez Huelgas R, et al. **Rev Clin Esp** 1985 Feb;176(2):91-3 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial occurrence of amyotrophic lateral sclerosis, parkinsonism, and dementia. Schmitt HP, et al. **Ann Neurol** 1984 Dec;16(6):642-8

The relation of essential tremor to Parkinson's disease [letter] Findley LJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb; 48(2):192

Parkinson's disease: intrauterine influence in twins? [letter]

Duvoisin RC. **Neurology** 1985 May;35(5):774–5

Familial tic disorder, parkinsonism, motor neuron disease, and acanthocytosis: a new syndrome. Spitz MC, et al. **Neurology** 1985 Mar;35(3):366–70

Paternal preponderance in familial Parkinson's disease [letter] Campanella G, et al. **Neurology (NY)** 1984 Oct; 34(10):1398–400

The low concordance rate for Parkinson's disease in twins: a possible explanation. Eldridge R, et al. **Neurology (NY)** 1984 Oct;34(10):1354–6

IMMUNOLOGY

Immune functions in Parkinson's disease lymphocyte subsets, concanavalin A-induced suppressor cell activity and in vitro immunoglobulin production. Marttila RJ, et al. **J Neurol Sci** 1985 Jul;69(3):121–31

METABOLISM

Alterations in regional brain concentrations of neurotensin and bombesin in Parkinson's disease. Bissette G, et al. **Ann Neurol** 1985 Apr;17(4):324–8

Loss of high affinity neurotensin receptors in substantia nigra from parkinsonian subjects. Sadoul JL, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):395–404

Dissociation of neuropeptide Y and somatostatin in Parkinson's disease. Allen JM, et al. **Brain Res** 1985 Jun 24;337(1):197–200

Adrenergic receptors in Parkinson's disease. Cash R, et al. **Brain Res** 1984 Nov 26;322(2):269–75

Parkinson's disease: depletion of substantia nigra neurotensin receptors. Uhl GR, et al. **Brain Res** 1984 Aug 6; 308(1):186–90

Primate model of Parkinson's disease: alterations in multiple opioid systems in the basal ganglia. Zamir N, et al. **Brain Res** 1984 Nov 26;322(2):356–60

Cerebral metabolic relationships for selected brain regions in Alzheimer's, Huntington's, and Parkinson's diseases. Metter EJ, et al. **J Cereb Blood Flow Metab** 1984 Dec; 4(4):500–6

Cortical vasoactive intestinal peptide in relation to dementia in Parkinson's disease [letter] Jegou S, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):842–3

Cerebral glucose utilization in Parkinson's disease [letter] Sandyk R, et al. **J Neurol Neurosurg Psychiatry** 1985 May; 48(5):489

Striatal dopamine distribution in parkinsonian patients during life. Nahmias C, et al. **J Neurol Sci** 1985 Jul;69(3):223–30

PET scans 'relate clinical picture to more specific nerve function' [news] Ziporyn T. **JAMA** 1985 Feb 15; 253(7):943–5, 949

Study on the striatal dopamine availability in Parkinson's disease. Indo T. **Jpn J Med** 1984 Aug;23(3):228–36

MPTP-like molecules and Parkinson's disease [letter] Fellman JH, et al. **Lancet** 1985 Apr 20;1(8434):924

Normal MPTP binding in parkinsonian substantial nigra: evidence for extraneuronal toxin conversion in human brain. Uhl GR, et al. **Lancet** 1985 Apr 27;1(8435):956–7

Adrenergic receptors on cerebral microvessels in control and parkinsonian subjects. Cash R, et al. **Life Sci** 1985 Aug 12;37(6):531–6

Determination of tyrosine, tryptophan and their metabolic derivatives by liquid chromatography-electrochemical detection: application to post mortem samples from patients with Parkinson's and Alzheimer's disease. Sparks DL, et al. **Life Sci** 1985 Feb 4;36(5):449–57

Sodium dependent [3H]cocaine binding associated with dopamine uptake sites in the rat striatum and human putamen decrease after dopaminergic denervation and in Parkinsons disease. Schoemaker H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):227–35

Corticoliberin, somatocrinin and amine contents in normal and parkinsonian human hypothalamus. Conte-Devolx B, et al. **Neurosci Lett** 1985 May 14;56(2):217–22

Cortical serotonin-S2 receptor binding abnormalities in patients with Alzheimer's disease: comparisons with Parkinson's disease. Perry EK, et al. **Neurosci Lett** 1984 Oct 26;51(3):353–7

Pro-opiomelanocortin peptides in the human hypothalamus: comparative study between normal subjects and Parkinson patients. Pique L, et al. **Neurosci Lett** 1985 Mar 15; 54(2-3):141–6

[Comparison of the biological availability of levodopa in the preparations Dopaflex and Nakom in patients with parkinson disease] Terziivanov D, et al. **Cesk Farm** 1984 Feb;33(1):20–3 (Eng. Abstr.) **(Cze)**

[Neuroendocrine correlations in the pathogenesis and pathology of Parkinson disease] Pinessi L, et al. **Minerva Med** 1984 Nov 3;75(42):2539–42 (Eng. Abstr.) **(Ita)**

[Biochemical bases of Parkinson disease] Colucci d'Amato C, et al. **Recenti Prog Med** 1984 Oct;75(10):889-901 (39 ref.) (Eng. Abstr.) **(Ita)**

[Parkinson's disease and neurotransmitters] Narabayashi H. **Nippon Rinsho** 1984 Apr;42(4):869–74 **(Jpn)**

[Striatal dopamine availability in Parkinson's disease—with reference to the wearing-off phenomenon] Indo T. **Rinsho Shinkeigaku** 1984 Oct;24(10):1008-16 (Eng. Abstr.) **(Jpn)**

[Neurochemical pathology of GABAergic and cholinergic systems in Parkinson disease: an autopsy study] Nishino N, et al. **Rinsho Shinkeigaku** 1984 Nov;24(11):1079–85 (Eng. Abstr.) **(Jpn)**

MORTALITY

Epidemiology of parkinsonism: incidence, classification, and mortality. Rajput AH, et al. **Ann Neurol** 1984 Sep; 16(3):278–82

Morbidity and mortality in motor neuron disease: comparison with multiple sclerosis and Parkinson's disease: age and sex specific rates and cohort analyses. Li TM, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr;48(4):320–7

OCCURRENCE

A prevalence survey of Parkinson's disease and other movement disorders in the People's Republic of China. Li SC, et al. **Arch Neurol** 1985 Jul;42(7):655–7

Disappearance of high-incidence amyotrophic lateral sclerosis and parkinsonism-dementia on Guam. Garruto RM, et al. **Neurology** 1985 Feb;35(2):193–8

Prevalence of Parkinson's disease in the biracial population of Copiah County, Mississippi. Schoenberg BS, et al. **Neurology** 1985 Jun;35(6):841–5

[Smoking and Parkinson's disease] Cazzato G, et al. **Riv Neurol** 1985 Mar-Apr;55(2):79–87 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Morphological changes of the isocortex in morbus Parkinson. Stockhausen P, et al. **Clin Neuropathol** 1984 Sep–Oct; 3(5):206–9

Alzheimer's disease with widespread presence of Lewy bodies. Mitsuyama Y, et al. **Folia Psychiatr Neurol Jpn** 1984;38(1):81–8

Immunocytochemical studies of substance P and Met-enkephalin in the basal ganglia and substantia nigra in Huntington's, Parkinson's and Alzheimer's diseases. Grafe MR, et al. **J Neuropathol Exp Neurol** 1985 Jan; 44(1):47–59

Caudato-pallido-nigral degeneration with cerebral atrophy: report of a case with parkinsonism and dementia. Tachibana H, et al. **Keio J Med** 1984 Sep;33(3):119–25

Neuronal filaments in Alzheimer's, Pick's, and Parkinson's diseases [letter] Kahn J, et al. **N Engl J Med** 1985 Aug 22;313(8):520–1

New form of familial Parkinson-dementia syndrome and progressive supranuclear palsy [letter] Ambrosetto P, et al. **Neurology** 1984 Nov;34(11):1524–5

Late-onset Hallervorden-Spatz disease presenting as familial parkinsonism. Jankovic J, et al. **Neurology** 1985 Feb; 35(2):227–34

Parkinson's disease: loss of neurons from the ventral tegmental area contralateral to therapeutic surgical lesions. Uhl GR, et al. **Neurology** 1985 Aug;35(8):1215–8

Features of brain atrophy in Parkinson's disease. A CT scan study. Steiner I, et al. **Neuroradiology** 1985;27(2):158–60

[Cerebral atrophy and dementia in Parkinson disease] Corthésy D, et al. **Schweiz Arch Neurol Psychiatr** 1985; 136(1):75–85 (Eng. Abstr.) **(Ger)**

[Loss of neurons in the nucleus basalis of Meynert in Parkinson disease with dementia, 'diffuse Lewy body disease' and senile dementia of Alzheimer type] Yoshimura M, et al. **Nippon Ronen Igakkai Zasshi** 1984 Nov; 21(6):580–7 (Eng. Abstr.) **(Jpn)**

[A clinico-pathological study on multiple system atrophy, with special reference to its striato-nigral lesions and motor neuron involvements] Riku S, et al. **Rinsho Shinkeigaku** 1984 Jun;24(6):552-61 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Brain neurotransmitters and neuropeptides in Parkinson's disease. Rinne UK, et al. **Acta Physiol Pharmacol Latinoam** 1984;34(3):287–99

Olfactory dysfunction in Alzheimer's disease and Parkinson's disease [letter] Serby M, et al. **Am J Psychiatry** 1985 Jun; 142(6):781–2

The effects of L-DOPA on regional cerebral blood flow and oxygen metabolism in patients with Parkinson's disease. Leenders KL, et al. **Brain** 1985 Mar;108 (Pt 1):171–91

'Saw-tooth' pattern in the flow-volume loop [letter] Vincken W, et al. **Chest** 1985 Sep;88(3):480–1

Which motor disorder in Parkinson's disease indicates the true motor function of the basal ganglia? Marsden CD. **Ciba Found Symp** 1984;107:225–41

Basal ganglia and Parkinson's disease: neurobiological and pharmacological aspects in animals and man. Cools AR. **Clin Neurol Neurosurg** 1984;86(3):178–95

Changes in the recruitment pattern of single motor units in the blink reflex of patients with parkinsonism and hemiplegia. Dengler R, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):16–22

Subcortical, thalamic and cortical somatosensory evoked potentials to median nerve stimulation. Tsuji S, et al. **Electroencephalogr Clin Neurophysiol** 1984 Nov; 59(6):465–76

Neuroendocrinological studies of Parkinson disease. Kito S, et al. **Hiroshima J Med Sci** 1984 Sep;33(3):323–9

Parkinson disease. Individualizing therapy. Feldman RG, et al. **Hosp Pract [Off]** 1985 Jan 15;20(1):80A-80E, 80I, 80M, passim

Dementia in Parkinson's disease: possible specific involvement of the frontal lobes. Caltagirone C, et al. **Int J Neurosci** 1985 Apr;26(1-2):15-26

Disturbances of bladder and urethral function in Parkinson's disease. Andersen JT. **Int Urol Nephrol** 1985;17(1):35–41

Xenon contrast CT-CBF measurements in parkinsonism and normal aging. Tachibana H, et al. **J Am Geriatr Soc** 1985 Jun;33(6):413–21

Fluctuation of arterial blood pressure during end-of-dose akinesia in Parkinson's disease. Baratti M, et al. **J Neurol Neurosurg Psychiatry** 1984 Nov;47(11):1241–3

Axial apraxia in Parkinson's disease. Lakke JP. **J Neurol Sci** 1985 May–Jun;69(1–2):37–46

Opioid hypofunction in Parkinson's disease. Sandyk R, et al. **Med Hypotheses** 1985 Feb;16(2):179–82

Sensory symptoms in Parkinson's disease and the opioid system. Sandyk R. **Med Hypotheses** 1985 Apr;16(4):361–4

Respiratory-muscle involvement in Parkinson's disease [letter] Estenne M, et al. **N Engl J Med** 1984 Dec 6; 311(23):1516–7

Depletion of unilateral striatal dopamine impairs initiation of contralateral actions and not sensory attention. Carli M, et al. **Nature** 1985 Feb 21–27;313(6004):679–82

Pattern evoked potentials (PEPs) in Parkinson's disease. Dinner DS, et al. **Neurology** 1985 Apr;35(4):610–3

Cerebral blood flow and cognitive impairment in Parkinson's disease. Globus M, et al. **Neurology** 1985 Aug;35(8):1135–9

Alterations of regional cerebral blood flow and oxygen metabolism in Parkinson's disease. Wolfson LI, et al. **Neurology** 1985 Oct;35(10):1399–405

Contingent negative variation and the related thalamic activities. Observation on the responses evoked by ipsilateral and contralateral hand movements. Tsuda T. **Tokushima J Exp Med** 1984 Jun;31(1–2):29–32

[An electro-oculographic study of oculomotor abnormalities in Parkinson's disease] Tchen PH. **Taiwan I Hsueh Hui Tsa Chih** 1985 Apr;84(4):474–81 (Eng. Abstr.) **(Chi)**

[Parkinson disease] Weber R. **Med Monatsschr Pharm** 1984 Jul;7(7):194–6 **(Ger)**

[Postural responses to a sudden forward tilting force in Parkinson's disease—analysis of surface electromyograms of leg muscles and in silent periods] Muroga T, et al. **Rinsho Shinkeigaku** 1985 Feb;25(2):135–40 (Eng. Abstr.) **(Jpn)**

[Visual evoked potentials among parkinsonism patients in the older age groups] Man'kovskiĭ NB, et al. **Zh Nevropatol Psikhiatr** 1984;84(12):1766–71 (Eng. Abstr.) **(Rus)**

[Physiopathology of Parkinson disease] Loyber I, et al. **Rev Fac Cien Med Univ Nac Cordoba** 1983;41(2):42–9 **(Spa)**

PSYCHOLOGY

Cognition and the basal ganglia. Separating mental and motor components of performance in Parkinson's disease. Rafal RD, et al. **Brain** 1984 Dec;107 (Pt 4):1083–94

Parkinson's disease in the elderly: psychiatric manifestations. Fonda D. **Geriatrics** 1985 Apr;40(4):109–12, 114 (14 ref.)

The effect of Parkinson's disease on the ability to maintain a mental set. Flowers KA, et al. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):517–29

Recognition memory in Parkinson's disease. Flowers KA, et al. **J Neurol Neurosurg Psychiatry** 1984 Nov; 47(11):1174–81

Olfaction in dementia [letter] Serby M, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):848–9

The pre-morbid personality of patients with Parkinson's disease. Todes CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):97–100 (25 ref.)

Parkinson's disease and dementia [letter] Lees AJ. **Lancet** 1985 Jan 5;1(8419):43–4

Behavioral manifestations of movement disorders. Parkinson's and Huntington's disease. Mayeux R. **Neurol Clin** 1984 Aug;2(3):527–40 (91 ref.)

Information processing deficits in Parkinson's disease during movement. Sanes JN. **Neuropsychologia** 1985;23(3):381–92

[The pattern of neuropsychologic compromise in patients with Parkinson disease] Caltagirone C, et al. **Schweiz Arch Neurol Psychiatr** 1985;136(3):7–23 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Parkinsonism and basal ganglia infarcts. Tolosa ES, et al. **Neurology** 1984 Nov;34(11):1516–8

RADIONUCLIDE IMAGING

Regional blood flow in hemiparkinsonism. Perlmutter JS, et al. **Neurology** 1985 Aug;35(8):1127–34

SURGERY

The surgical treatment of Parkinson's disease. Grant JM. **Aust Fam Physician** 1984 May;13(5 Suppl):12–3

Indications for surgical treatment of Parkinson's disease after levodopa therapy. van Manen J, et al. **Clin Neurol Neurosurg** 1984;86(3):207–18

Transplantation of adrenal medullary tissue to striatum in parkinsonism. First clinical trials. Backlund EO, et al. **J Neurosurg** 1985 Feb;62(2):169–73

Thalamotomy for Parkinson's disease [letter] Hurtig HI, et al. **J Neurosurg** 1985 Jan;62(1):163–5

Brain targets in surgery for Parkinson's disease. Results of a survey of neurosurgeons. Laitinen LV. **J Neurosurg** 1985 Mar;62(3):349-51
Brain targets in Parkinson's disease surgery [letter] Vajda J, et al. **J Neurosurg** 1985 Sep;63(3):478
Visual hemi-inattention after ventrolateral thalamotomy. Vilkki J. **Neuropsychologia** 1984;22(4):399-408
[The stereotactic thalamotomy in parkinsonism] Chen HR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Mar;84(3):423-8 (Eng. Abstr.) **(Chi)**
[The first transplantation in the brain of man] Gybels J. **Verh K Acad Geneeskd Belg** 1984;46(4):269-93 (Eng. Abstr.) **(Dut)**

THERAPY

Embryonic brain grafts in an animal model of Parkinson's disease. Criteria for human application. Freed WJ, et al. **Appl Neurophysiol** 1984;47(1-2):16-22
Difficulties in long term management of Parkinson's disease. Burns R. **Aust Fam Physician** 1984 May;13(5 Suppl):14-6
The natural history of Parkinson's disease. Selby G. **Aust Fam Physician** 1984 May;13(5 Suppl):1-3
Versatility in computer automation for biofeedback: the behavioral assessment and rehabilitative training system (BARTS). Montgomery GK, et al. **Biofeedback Self Regul** 1984 Sep;9(3):325-37
Dissociation of motor response from mood and cognition in a parkinsonian patient treated with ECT. Young RC, et al. **Biol Psychiatry** 1985 May;20(5):566-9
Speech therapy in Parkinson's disease: a study of the efficacy ad long term effects of intensive treatment. Robertson SJ, et al. **Br J Disord Commun** 1984 Dec;19(3):213-24
Treatment of Parkinson's disease. Hardie R. **Br J Hosp Med** 1985 Jan;33(1):45-6, 48-9
[Neurochemical aspects of therapeutic electric stimulation] Bekhtereva NP, et al. **Fiziol Zh SSSR** 1984 Aug; 70(8):1092-9 (Eng. Abstr.) **(Rus)**
[Optimal method of drug therapy of parkinsonism patients] Kurako IuL, et al. **Vrach Delo** 1985 Jan;(1):99-102 (Eng. Abstr.) **(Rus)**
[Combined (surgical and drug) therapy of parkinsonism] Kandel' EI, et al. **Zh Nevropatol Psikhiatr** 1984; 84(8):1157-61 (Eng. Abstr.) **(Rus)**

PARKINSON DISEASE, POSTENCEPHALITIC

see related
ENCEPHALITIS, EPIDEMIC

OCCURRENCE

[Currency of postencephalitic parkinsonism] Schergna E, et al. **Riv Patol Nerv Ment** 1983 Sep-Oct;104(5):225-8 (Eng. Abstr.) **(Ita)**

PARKINSON DISEASE, SYMPTOMATIC

MPTP primate model of Parkinson's disease: a mechanographic and electromyographic study. Doudet D, et al. **Brain Res** 1985 May 27;335(1):194-9

BLOOD

Absence of age effect on plasma haloperidol neuroleptic levels in psychiatric patients. Aoba A, et al. **J Gerontol** 1985 May;40(3):303-8

CHEMICALLY INDUCED

MPTP-induced parkinsonism in human and non-human primates--clinical and experimental aspects. Langston JW, et al. **Acta Neurol Scand [Suppl]** 1984;100:49-54
Persistent drug-induced parkinsonism. Aronson TA. **Biol Psychiatry** 1985 Jul;20(7):795-8
Parkinsonism induced by high doses of diazepam. Suranyi-Cadotte BE, et al. **Biol Psychiatry** 1985 Apr; 20(4):455-7
MPTP parkinsonism [editorial] Williams A. **Br Med J [Clin Res]** 1984 Nov 24;289(6456):1401-2
Spinal cord metabolism of the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-treated monkey. Schwartzman RJ, et al. **Brain Res** 1985 Jul 1;337(2):263-8
Parkinsonism following i.v. administration of high-dose metoclopramide used as an antiemetic agent during cancer chemotherapy. Markman M, et al. **Cancer Treat Rep** 1985 Mar;69(3):341-2
Parkinsonism induced by captopril [letter] Sandyk R. **Clin Neuropharmacol** 1985;8(2):197-8
Uptake of MPP(+) by dopamine neurons explains selectivity of parkinsonism-inducing neurotoxin, MPTP. Javitch JA, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):455-6
Motor dysfunction following chronic exposure to a fluoroalkane solvent mixture containing nitromethane. Sandyk R, et al. **Eur Neurol** 1984;23(6):479-81
Drug-induced parkinsonism [letter] **Lancet** 1985 Jan 12; 1(8420):113
Production in nature of compound resembling methylphenyltetrahydropyridine, a possible cause of Parkinson's disease [letter] Ramsden DB, et al. **Lancet** 1985 Jan 26;1(8422):215-6
Drug-induced parkinsonism in the elderly. Stephen PJ, et al. **Lancet** 1984 Nov 10;2(8411):1082-3
New amphibian models for the study of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). Barbeau A, et al. **Life Sci** 1985 Mar 18;36(11):1125-34
Primate model of parkinsonism: selective lesion of nigrostriatal neurons by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine produces an extrapyramidal syndrome in rhesus monkeys. Chiueh CC, et al. **Life Sci** 1985 Jan 21;36(3):213-8
The clinical syndrome of striatal dopamine deficiency. Parkinsonism induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP). Burns RS, et al. **N Engl J Med** 1985 May 30; 312(22):1418-21
Reversible parkinsonism related to meperidine [letter] Lieberman AN, et al. **N Engl J Med** 1985 Feb 21;312(8):509
Intraneuronal generation of a pyridinium metabolite may cause drug-induced parkinsonism. Markey SP, et al. **Nature** 1984 Oct 4-10;311(5985):464-7
Cyanide-induced parkinsonism: a clinicopathologic report. Uitti RJ, et al. **Neurology** 198[illegible] Jun;35(6):921-5
1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine-induced parkinsonism in the common marmoset. Jenner P, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):85-90
Cerebrospinal fluid homovanillic acid and hypokinetic side effects of neuroleptics. Bowers MB Jr. **Psychopharmacology (Berlin)** 1985;85(2):184-6
Effects of tiapride in tardive dyskinesia. Pollak P, et al. **Psychopharmacology (Berlin)** 1985;85(2):236-9
Metoclopramide-induced parkinsonism and severe edema [letter] Ahmad S. **South Med J** 1984 Oct;77(10):1345
[Neuroleptic parkinsonism and tardive dyskinesia and methods of pharmacologically correcting these pathologic conditions (review)] Arushanian EB. **Zh Nevropatol Psikhiatr** 1985;85(2):269-77 (101 ref.) **(Rus)**

COMPLICATIONS

Does unilateral dopamine deficit contribute to depression? Barber J, et al. **Psychiatry Res** 1985 May;15(1):17-24

DRUG THERAPY

Failure of SKF 38393-A to relieve parkinsonian symptoms induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in the marmoset. Close SP, et al. **Br J Pharmacol** 1985 Jun;85(2):320-2
The dopamine D2 agonist LY 141865, but not the D1 agonist SKF 38393, reverses parkinsonism induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in the common marmoset. Nomoto M, et al. **Neurosci Lett** 1985 Jun 4;57(1):37-41
Effect of a cholinomimetic drug (RS 86) in tardive dyskinesia and drug-related parkinsonism. Noring U, et al. **Psychopharmacology (Berlin)** 1984;84(4):569-71
Clinicopharmacological study of long-term Jumex + Dopaflex combination treatment in Parkinson's syndrome. Antóny M, et al. **Ther Hung** 1982;30(4):168-71
[A model of Parkinson's disease: effect of L-dopa therapy on movement parameters and electromyographic activity in monkeys treated with 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)] Doudet D, et al. **C R Soc Biol (Paris)** 1985;179(1):85-97 (Eng. Abstr.) **(Fre)**
[Useful data on parkinsonian syndromes] Espadaler Medina JM. **Med Clin (Barc)** 1985 May 25;84(20):828-33 **(Spa)**

ETIOLOGY

Parkinsonian syndrome and central nervous system lymphoma involving the substantia nigra. A case report. Gherardi R, et al. **Acta Neuropathol (Berl)** 1985; 65(3-4):338-43
Major depression and carbon monoxide-induced parkinsonism: diagnosis, computerized axial tomography, and response to L-dopa. Jaeckle RS, et al. **J Nerv Ment Dis** 1985 Aug;173(8):503-8
Behavioral differences between neonatal and adult 6-hydroxydopamine-treated rats to dopamine agonists: relevance to neurological symptoms in clinical syndromes with reduced brain dopamine. Breese GR, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):343-54
Parkinson's disease. Clues to aetiology from a toxin [news] Snyder SH. **Nature** 1984 Oct 11-17;311(5986):514
Parkinsonism-inducing neurotoxin, N-methyl-4-phenyl-1,2,3,6 -tetrahydropyridine: uptake of the metabolite N-methyl-4-phenylpyridine by dopamine neurons explains selective toxicity. Javitch JA, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2173-7

METABOLISM

Budipine and the MPTP binding site [letter] Przuntek H, et al. **Lancet** 1985 Jul 6;2(8445):35-6
Regional brain uptake of 2-deoxyglucose in N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced parkinsonism in the macaque monkey. Crossman AR, et al. **Neuropharmacology** 1985 Jun; 24(6):587-91

PATHOLOGY

Diffuse type of Lewy body disease: progressive dementia with abundant cortical Lewy bodies and senile changes of varying degree--a new disease? Kosaka K, et al. **Clin Neuropathol** 1984 Sep-Oct;3(5):185-92

PSYCHOLOGY

Psychological components of psychopharmacological side effects. A clinical contribution. Modestin J. **Bull Menninger Clin** 1985 Jan;49(1):29-36
Intellectual changes in patients with MPTP-induced parkinsonism. Stern Y, et al. **Neurology** 1985 Oct; 35(10):1506-9

PARKINSONIAN SYNDROME see **PARKINSON DISEASE, SYMPTOMATIC**

PAROMOMYCIN

ADMINISTRATION & DOSAGE

[Prevention of infections in surgery of the colorectum. Evaluation of the combined activity of clindamycin and tobramycin] Gramegna A, et al. **Minerva Chir** 1985 Feb 15;40(3):115-20 **(Ita)**

ANALOGS & DERIVATIVES

Total deafness from aminoglycoside overdosage: histopathologic case study. Johnsson LG, et al. **Am J Otolaryngol** 1984 Mar-Apr;5(2):118-26

PHARMACODYNAMICS

The effects of paromomycin on the fidelity of translation in a yeast cell-free system. Tuite MF, et al. **Biochim Biophys Acta** 1984 Nov 22;783(2):166-70
Susceptibility of Campylobacter fetus subsp. jejuni to paromomycin [letter] Freydiere AM, et al. **Eur J Clin Microbiol** 1984 Aug;3(4):322-3

THERAPEUTIC USE

Effect of long-term administration of paromomycin sulfate on the level of serum albumin and gamma-globulin in human cirrhosis. Tarao K, et al. **Tokai J Exp Clin Med** 1983 Nov;8(4):349-57
[Experimental chemotherapy in cutaneous leishmaniasis. III. Effect of glucantime and humatin (P&D) on Leishmania garnhami and Leishmania braziliensis in hamsters] Rezzano S, et al. **Acta Cient Venez** 1984;35(5-6):394-403 (Eng. Abstr.) **(Spa)**

PARONYCHIA

COMPLICATIONS

[Complicated panaris. Follow-up study of 97 cases of tendon, articular and osteopanaris] Jensen PO, et al. **Ugeskr Laeger** 1984 Jul 9;146(28):2076-82 (Eng. Abstr.) **(Dan)**

DIAGNOSIS

Paronychia. Randell P. **Aust Fam Physician** 1985 May; 14(5):377-9
[Diagnosis and treatment of paronychia] Iaremchuk AIa, et al. **Klin Khir** 1985 Jan;(1):29-31 (Eng. Abstr.) **(Rus)**
[Pseudomonas paronychia and onychia] Khamaganova AV. **Vestn Dermatol Venerol** 1985 Jan;(1):66-8 **(Rus)**

DRUG THERAPY

Comparison of the therapeutic effect of ketoconazole tablets and econazole lotion in the treatment of chronic paronychia. Wong ES, et al. **Clin Exp Dermatol** 1984 Sep; 9(5):489-96

PATHOLOGY

Pseudomegadactyly. A unique presentation of chronic granulomatous paronychia. Mittal RL, et al. **Dermatologica** 1984;169(2):86-7

SURGERY

[Treatment experience with complicated forms of paronychia] Lipskii LI. **Klin Khir** 1985 Jan;(1):26-9 (Eng. Abstr.) **(Rus)**

THERAPY

[Tendon sheath panaritium] Monstrey SJ, et al. **Ned Tijdschr Geneeskd** 1984 Sep 29;128(39):1833-5 **(Dut)**
[Use of low-frequency ultrasonics in the complex treatment of acute suppurative diseases of the fingers and hand] Bondarenko NM, et al. **Khirurgiia (Mosk)** 1985 May; (5):38-40 **(Rus)**
[Use of the laser in the combined treatment of suppurative diseases and complications] Gorbashko AI, et al. **Vestn Khir** 1984 Oct;133(10):72-5 (Eng. Abstr.) **(Rus)**

PAROTID DISEASES

Benign parotid diseases of childhood. Wright GL, et al. **Laryngoscope** 1985 Aug;95(8):915-20
[Tuberculosis of the parotid region] Bertazzoli M, et al. **Acta Otorhinolaryngol Ital** 1984 Nov-Dec;4(6):679-87 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Parotid gland hemorrhage as a complication of coumarin compound ingestion. Zikk D, et al. **Arch Otorhinolaryngol** 1985;241(3):243-6

COMPLICATIONS

Facial paralysis due to primary tuberculosis of the parotid gland. Yaniv E, et al. **Int J Pediatr Otorhinolaryngol** 1985 Jul;9(2):195-6

Parotid hypertrophy with bulimia: a report of surgical management. Berke GS, et al. **Laryngoscope** 1985 May;95(5):597-8

CONGENITAL

[Congenital dilatations of the parotid excretory ducts in newborn infants] Afanas'ev VV, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):66-70 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Evaluation of NMR versus CT for parotid masses: a preliminary report. Schaefer SD, et al. **Laryngoscope** 1985 Aug;95(8):945-50

[Combined echographic-sialographic study of parotid pathology in pediatrics] Di Girolamo F, et al. **Radiol Med (Torino)** 1984 Sep;70(9):625-6 **(Ita)**

ETIOLOGY

Salmonella parotid abscess [letter] Rajamani KK, et al. **J Assoc Physicians India** 1984 Jun;32(6):540

Parotid enlargement in bulimia. Brady JP. **J Fam Pract** 1985 May;20(5):496-502

A persistent parotid fistula following the extraction of mandibular teeth. Bailey BM. **J Laryngol Otol** 1984 Oct;98(10):1051-4

PATHOLOGY

Benign cysts of the parotid gland. Cohen MN, et al. **J Surg Oncol** 1984 Oct;27(2):85-8

[Benign lymphoepithelial lesion of the parotid gland and its association with malignant lymphoma] Bignardi L, et al. **Acta Otorhinolaryngol Ital** 1984 May-Jun;4(3):305-15 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Primary hydatid disease of the infratemporal fossa and the parotid gland. Kalovidouris A, et al. **Radiologe** 1985 May;25(5):235-6

[Analysis of sialograms: microradiograms of mouse parotid glands with reduced saliva excretion] Kurabayashi T. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):72-93 (Eng. Abstr.) **(Jpn)**

SURGERY

Complications of parotid gland surgery. Langdon JD. **J Maxillofac Surg** 1984 Oct;12(5):225-9

[Operative treatment of tuberculosis of the parotid gland--report of 23 cases] Xie GC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Oct;7(5):275-6 (Eng. Abstr.) **(Chi)**

THERAPY

Conservative management of post-traumatic parotid fistulae and sialoceles: a prospective study. Landau R, et al. **Br J Surg** 1985 Jan;72(1):42-4

PAROTID GLAND

ABNORMALITIES

Familial parotid gland aplasia. Wiesenfeld D, et al. **J Oral Med** 1985 Apr-Jun;40(2):84-5

ANATOMY & HISTOLOGY

A contribution to the development of intraparotidean lymphatic tissue in man. Holibka V, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;108:117-24

The distribution of lymph nodes in and around the parotid gland: an anatomical study. McKean ME, et al. **Br J Plast Surg** 1985 Jan;38(1):1-5

The anatomy of the lymph nodes of the parotid gland. Marks NJ. **Clin Otolaryngol** 1984 Oct;9(5):271-5

A study of the position of the parotid papilla relative to the occlusal plane. Foley PF, et al. **J Prosthet Dent** 1985 Jan;53(1):124-6

[The parotid fascia] Levet Y, et al. **Bull Assoc Anat (Nancy)** 1983 Dec;67(199):475-84 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

Evaluation of the biological properties of parathyroid hormone and analogues in a vascularly isolated parotid gland-based assay. Wright RD, et al. **J Endocrinol** 1984 Sep;102(3):375-9

CYTOLOGY

Morphological and histochemical studies on the parotid gland of Praomys (Mastomys) natalensis. Sirigu P, et al. **Basic Appl Histochem** 1984;28(3):309-15

Na+-dependent transport of alpha-aminoisobutyrate in isolated basolateral membrane vesicles from rat parotid glands. Takuma T, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):453-9

Proportional and functional studies of the infiltrating lymphocytes in the parotid gland of Sjögren's syndrome associated with rheumatoid arthritis. Ichikawa Y, et al. **Clin Exp Rheumatol** 1984 Jan-Mar;2(1):23-30

Vasoactive intestinal peptide binding to specific receptors on rat parotid acinar cells induces amylase secretion accompanied by intracellular accumulation of cyclic adenosine 3'-5'-monophosphate. Inoue Y, et al. **Endocrinology** 1985 Feb;116(2):686-92

X-ray microanalysis of the rat parotid gland after chronic sympathectomimetic stimulation. Müller RM, et al. **Exp Mol Pathol** 1984 Dec;41(3):363-70

Muscarinic acetylcholine receptor structure in acinar cells of mammalian exocrine glands. Hootman SR, et al. **J Biol Chem** 1985 Apr 10;260(7):4186-94

Mitosis and hypertrophy of intercalated duct cells and endothelial cells in the isoproterenol-treated rat parotid gland. Hand AR, et al. **J Dent Res** 1985 Aug;64(8):1031-8

Horseradish peroxidase: factors affecting its distribution after retrograde infusion into the rat parotid gland. Mazariegos MR, et al. **J Histochem Cytochem** 1985 Sep;33(9):942-50

DRUG EFFECTS

Cytochalasin D suppresses beta-adrenergic induced protein discharge without inhibiting membrane fusion. Busson-Mabillot S, et al. **Biol Cell** 1985;53(2):195-8

Beta-adrenergic drug induced hyperplasia in the immature rat parotid and submandibular glands. Klein RM. **Eur J Pharmacol** 1984 Oct 15;105(3-4):327-31

Forskolin, but not alcohol, counteracts desensitization of cyclic AMP accumulation to beta-adrenergic stimulation in rat parotid. Harper JF. **J Cyclic Nucleotide Protein Phosphor Res** 1983-84;9(6):401-14

[Parotid duct occlusion with prolamine--sequelae of long-term administration in the animal model] Schröder M, et al. **HNO** 1984 Dec;32(12):507-10 (Eng. Abstr.) **(Ger)**

[Histochemical enzyme studies of the effect of various organophospnates on the activity of nonspecific esterases in the kidney and parotid gland of rats] Zähres V. **Z Mikrosk Anat Forsch** 1984;98(4):513-34 (Eng. Abstr.) **(Ger)**

[Effect of the beta receptor blockader Visken on the weight of the parotid gland, salivary secretion rate and amylase activity in the rat] Zelles T, et al. **Fogorv Sz** 1984 Nov;77(11):346-8 (Eng. Abstr.) **(Hun)**

EMBRYOLOGY

[Morphogenetic aspects of the juxtaoral organ (Chievitz's organ) in the human] Kleiss C, et al. **Z Mikrosk Anat Forsch** 1985;99(1):59-74 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Amylase in parotid saliva of rats after sympathetic nervous decentralization. Asking B, et al. **Arch Oral Biol** 1985;30(4):337-9

Phosphatidylinositol 4,5-biphosphate stimulates parotid endoplasmic reticulum (Ca2+ + Mg2+)-ATP'ase. Thiyagarajah P, et al. **Biochem Int** 1984 Nov;9(5):625-30

Effect of Ni2+ on Ca2+-stimulated adenosine triphosphatase in the microsomal fraction of the rat parotid gland in vitro. Ikeda H. **Comp Biochem Physiol [C]** 1985;81(1):7-9

Localization of phosphatases in the rat parotid gland. Pavlíková D. **Histochem J** 1985 May;17(5):545-7

Cytochemical localization of ouabain-sensitive, K+-dependent p-nitrophenylphosphatase and Ca++-stimulated adenosine triphosphatase activities in human parotid and submandibular glands. Cossu M, et al. **Histochemistry** 1984;81(3):221-5

Determination of cyclic AMP-dependent protein kinase subunits by an immunoassay reveals a different subcellular distribution of the enzyme in rat parotid than does determination of the enzyme activity. Schwoch G, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985;10(3):247-58

Comparison of cyclic AMP-dependent protein kinases from salivary glands of four species. Dowd F, et al. **J Dent Res** 1985 Oct;64(10):1199-1203

Contribution of extracellular and intracellular calcium to the enhanced effect of an alpha-adrenergic agonist on amylase release from dispersed rat parotid cells. Takemura H, et al. **J Dent Res** 1985 Jun;64(6):881-5

The role of calcium ion in methoxamine-induced amylase release from parotid glands of euthyroid and hypothyroid rats. Hagino Y, et al. **Jpn J Pharmacol** 1985 Jan;37(1):133-6

Potentiation of amylase release from isolated rat parotid cells--studies on the combination of isoproterenol and a low dose of carbachol. Takemura H. **Jpn J Pharmacol** 1984 Sep;36(1):107-9

Parotid kallikrein secretion in the rat after alterations of electrolyte transport and cAMP activity. Röckel A, et al. **Miner Electrolyte Metab** 1985;11(1):14-8

The role of calcium and cyclic AMP in amylase release from isolated rat parotid acinar cells: effect of calcium ionophore A23187. Takemura H. **Res Commun Chem Pathol Pharmacol** 1984 Aug;45(2):179-90

Immunoelectron microscopy of amylase in the human parotid gland. Ultrastructural localization by use of both the protein A-gold and the biotin-avidin-gold technique. Zimmer KP, et al. **Virchows Arch [A]** 1984;404(2):187-96

[Activity and various properties of Mg-ATPase, Na,K-ATPase, Ca-ATPase and HCO3-ATPase in the kidney cortex, parotid gland and pancreas of cattle] Uhlig G, et al. **Arch Exp Veterinarmed** 1984 Jul;38(4):572-82 (Eng. Abstr.) **(Ger)**

[Glandular kallikrein in chronic recurrent parotitis] Maier H, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Dec;63(12):633-5 (Eng. Abstr.) **(Ger)**

[Effect of kallikrein and corticosteroids on the enzyme-secretory function of the salivary glands] Levitskiĭ AP, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):842-5 **(Rus)**

GROWTH & DEVELOPMENT

The two promoters of the mouse alpha-amylase gene Amy-1a are differentially activated during parotid gland differentiation. Shaw P, et al. **Cell** 1985 Apr;40(4):907-12

IMMUNOLOGY

Immunological findings in whole and parotid saliva of patients with Crohn's disease and healthy controls. Crama-Bohbouth G, et al. **Dig Dis Sci** 1984 Dec;29(12):1089-92

Localization of hepatitis B surface antigen in the human parotid gland. Shikata H, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):58-62

INJURIES

Conservative management of post-traumatic parotid fistulae and sialoceles: a prospective study. Landau R, et al. **Br J Surg** 1985 Jan;72(1):42-4

INNERVATION

The effects of tympanic neurectomy and chorda tympanectomy on experimentally induced parotid duct fistulae in rabbits. Chilla R, et al. **Arch Otorhinolaryngol** 1985;241(3):295-301

Trigger activation of the paradoxical salivatory response to atropine in the parasympathetically denervated human parotid gland. Levin SL. **Hum Neurobiol** 1985;4(2):115-21

Adrenergic nerves to the rat parotid gland originating in the contralateral sympathetic chain. Alm P, et al. **J Auton Nerv Syst** 1984 Nov;11(3):309-16

Modification of dobutamine- and terbutaline-induced calcium and fluid secretion from rat salivary glands by atenolol and butoxamine. Schneyer CA, et al. **J Auton Nerv Syst** 1985 Aug;13(4):275-85

Effects of guanabenz and guanfacine on postsynaptic alpha 2-adrenoceptors in the rat submaxillary and parotid glands. Kaniucki MD, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May;329(3):289-92

METABOLISM

Postnatal changes in calcium and amylase of rat salivary glands, including calcium changes with senescence. Schneyer CA, et al. **Arch Oral Biol** 1985;30(2):137-40

Properties of receptor-controlled inositol trisphosphate formation in parotid acinar cells. Aub DL, et al. **Biochem J** 1985 Jan 1;225(1):263-6

Metabolism of inositol 1,4,5-trisphosphate and inositol 1,3,4-trisphosphate in rat parotid glands. Irvine RF, et al. **Biochem J** 1985 Jul 15;229(2):505-11

Inositol trisphosphates in carbachol-stimulated rat parotid glands. Irvine RF, et al. **Biochem J** 1984 Oct 1;223(1):237-43

Calcium transport mechanisms in basolateral plasma membrane-enriched vesicles from rat parotid gland. Takuma T, et al. **Biochem J** 1985 Apr 1;227(1):239-45

Dopamine increases potassium efflux in the rat parotid gland by stimulating noradrenaline release from sympathetic nerve endings. Sundström S, et al. **Brain Res** 1985 Jun 24;337(1):155-8

Phosphorylation of the ribosomal protein S6 during agonist-induced exocytosis in exocrine glands is catalyzed by calcium-phospholipid-dependent protein kinase (protein kinase C). Experiments with guinea pig parotid glands. Padel U, et al. **Eur J Biochem** 1985 Aug 15;151(1):1-10

Phosphoinositide breakdown in isolated rat parotid membranes. Stimulation by cholinergic and alpha-adrenergic agonists. Nadler E, et al. **FEBS Lett** 1984 Dec 10;178(2):278-82

Osmotic properties and internal pH of isolated rat parotid secretory granules. Arvan P, et al. **J Biol Chem** 1984 Nov 10;259(21):13567-72

Differential RNA splicing and post-translational cleavages in the human salivary proline-rich protein gene system. Maeda N, et al. **J Biol Chem** 1985 Sep 15;260(20):11123-30

Muscarinic receptors and hydrolysis of inositol phospholipids in rat cerebral cortex and parotid gland. Jacobson MD, et al. **J Neurochem** 1985 Feb;44(2):465-72

Zinc deficiency-induced changes in rat parotid salivary

NEWARK PUBLIC LIBRARY

proteins. Johnson DA, et al. **J Nutr** 1984 Oct;114(10):1955–64

Lectin probes of glycoconjugates in human salivary glands: 1. Tolson ND, et al. **J Oral Pathol** 1985 Aug;14(7):523–30

Sodium-potassium pump in guinea-pig parotid gland: secretagogue stimulation of ouabain binding to dispersed acini. Hootman SR, et al. **J Physiol (Lond)** 1985 Mar;360:121–34

beta 1-Adrenergic regulation of cyclic nucleotide levels and potassium fluxes in rat parotid gland. Miyamoto A, et al. **Jpn J Pharmacol** 1984 Sep;36(1):100–3

Beta 1-adrenoceptor-mediated amylase release and cyclic AMP accumulation in rat parotid gland tissue. Suzuki Y, et al. **Jpn J Pharmacol** 1985 Feb;37(2):212–4

Mechanism of regulation of amylase release by alpha- and beta-adrenergic agonists in rat parotid tissue. Yoshimura K, et al. **Jpn J Physiol** 1984;34(4):655–67

Ca2+ dependence of the release of noradrenaline during nerve degeneration in the parotid gland. del Baldo D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov;328(1):41–3

Biosynthesis of bufadienolides in toads. V. The origin of the cholesterol used by toad parotid glands for biosynthesis of bufadienolides. Santa Coloma TA, et al. **Steroids** 1984 Jul;44(1):11–22

PATHOLOGY

Lipomatosis and Virchow's metamorphosis in the parotid glands. Grushka M, et al. **Ear Nose Throat J** 1984 Dec;63(12):599–601

Oncocytoma of the parotid gland: report of two cases with comprehensive review of literature. Dayal JP, et al. **Indian J Pathol Microbiol** 1984 Apr;27(2):107–10

Parotid gland basement membrane variation in diabetes mellitus. Murrah VA, et al. **J Oral Pathol** 1985 Mar;14(3):236–46

Effects of streptozotocin-induced diabetes on the rat parotid gland. Hand AR, et al. **Lab Invest** 1984 Oct;51(4):429–40

[Sudden death in children: histological findings in the salivary glands] Molz G, et al. **Pathologe** 1985 Jan;6(1):8–12 **(Ger)**

[Idiopathic polylacunar ectasia of Stensen's duct] Bucci E, et al. **Minerva Stomatol** 1984 Sep-Oct;33(5):769–71 (Eng. Abstr.) **(Ita)**

[Cytodiagnosis of parotid glands of patients with Sjögren's syndrome] Ando M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Aug;87(8):944–9 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Does calmodulin mediate stimulus-secretion coupling in the parotid gland? Studies using trifluoperazine. Kanagasuntheram P, et al. **Biochem Int** 1983 Oct;7(4):511–8

Beta-adrenergic receptor mechanisms in rat parotid glands: activation by nerve stimulation and 3-isobutyl-1-methylxanthine. Fuller CM, et al. **J Physiol (Lond)** 1984 Nov;356:335–48

[Enlargement of the parotid gland evoked by gustatory stimulation] Zelles T, et al. **Fogorv Sz** 1984 Oct;77(10):315–8 **(Hun)**

RADIATION EFFECTS

Radioprotection by WR-2721 of gamma-irradiated rat parotid gland: effect on gland weight and secretion at 8–10 days post irradiation. Menard TW, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep;10(9):1555–9

Comparison of cAMP with other radioprotectors against chronic damage to the rat parotid gland. Conger AD, et al. **Radiat Res** 1985 Apr;102(1):99–105

RADIOGRAPHY

Zonarc MLA program for parotid sialography. Wolf J, et al. **Proc Finn Dent Soc** 1984;80(4):175–81

[Analysis of sialograms: microradiograms of mouse parotid glands with reduced saliva excretion] Kurabayashi T. **Kokubyo Gakkai Zasshi** 1985 Mar;52(1):72–93 (Eng. Abstr.) **(Jpn)**

[Sialography: an analysis of microradiography of the mouse parotid gland] Shiga Y. **Kokubyo Gakkai Zasshi** 1984 Jun;51(2):189–216 (Eng. Abstr.) **(Jpn)**

SECRETION

Effects of atropine or high frequency burst excitation on the composition of parasympathetic rat parotid saliva. Ekström J, et al. **Acta Physiol Scand** 1984 Nov;122(3):409–14

Effects of some alpha-adrenoceptor stimulating and blocking agents on the salivary amylase secretion in the rabbit. Gjörstrup P. **Acta Physiol Scand** 1984 Apr;120(4):567–77

Secretion of saliva by human lip mucous glands and parotid glands in response to gustatory stimuli and chewing. Speirs RL. **Arch Oral Biol** 1984;29(11):945–8

Effect of sucrose as a gustatory stimulus on the flow rates of parotid and whole saliva. Lagerlöf F, et al. **Caries Res** 1985;19(3):206–11

The effects of alpha-methylnoradrenaline on protein and electrolyte secretion by rat submandibular and parotid glands. Abe K, et al. **Comp Biochem Physiol [C]** 1984;78(2):383–9

Differences in dopamine- and noradrenaline-induced amylase release from the rat parotid gland. Sundström S, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):355–61

Promotion of Streptococcus mutans glucose transport by human whole saliva and parotid fluid. Germaine GR, et al. **Infect Immun** 1985 Apr;48(1):7–13

Potential types of response of the parasympathetic denervated human parotid gland to cholinergic ligands. Levin SL. **J Auton Nerv Syst** 1985 Jun;13(2):161–70

Amino acid sequence of a proline-rich phosphoglycoprotein from parotid secretion of the subhuman primate Macaca fascicularis. Oppenheim FG, et al. **J Biol Chem** 1985 Sep 5;260(19):10671–9

Unstimulated and stimulated parotid salivary flow rate in individuals of different ages. Heft MW, et al. **J Dent Res** 1984 Oct;63(10):1182–5

The possible relation between mastication and parotid secretion in the rabbit. Anderson DJ, et al. **J Physiol (Lond)** 1985 Jul;364:19–29

The effect of vitamin D deficiency on secretion of saliva by rat parotid gland in vivo. Glijer B, et al. **J Physiol (Lond)** 1985 Jun;363:323–34

Supersensitivity of amylase secretion from rat parotid tissue--its selective nature for the beta 2-adrenergic response. Hata F, et al. **Jpn J Pharmacol** 1985 Jan;37(1):129–32

Phorbol ester-induced protein secretion in rat parotid gland. Relationship to the role of inositol lipid breakdown and protein kinase C activation in stimulus-secretion coupling. Putney JW Jr, et al. **Mol Pharmacol** 1984 Sep;26(2):261–6

Effect of single doses of sucrose and xylitol on human parotid saliva. Mäkinen KK, et al. **Proc Finn Dent Soc** 1984;80(4):186–200

Secretion of parotid acinar granules in rats during reflex stimulation after chronic sympathectomy. Garrett JR, et al. **Q J Exp Physiol** 1985 Jul;70(3):461–7

[Parotid secretions in patients with pi (yang) xu] Cheng H. **Chung Hua I Hsueh Tsa Chih** 1984 Sep;64(9):558–61 **(Chi)**

SURGERY

Parotid gland surgery using the Shaw Hemostatic Scalpel. Fee WE Jr, et al. **Arch Otolaryngol** 1984 Nov;110(11):739–41

A method of using the tympanomastoid fissure to find the facial nerve at parotidectomy. Robertson MS, et al. **Aust NZ J Surg** 1984 Aug;54(4):369–73

Surgery of the parotid gland and the viscerovertebral angle. Keyes GR, et al. **Clin Plast Surg** 1985 Jul;12(3):323–30

A modified centripetal approach to parotidectomy. Wang DZ, et al. **J Oral Maxillofac Surg** 1985 Jan;43(1):14–9

Parotid hypertrophy with bulimia: a report of surgical management. Berke GS, et al. **Laryngoscope** 1985 May;95(5):597–8

Extracapsular parotidectomy--a radical operation for selected malignant parotid tumours. Kay S. **S Afr J Surg** 1985 Jun;23(2):39–42

[Prevention of Frey's syndrome following parotidectomy] Sui LP. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Sep;19(3):173–4 **(Chi)**

[Surgical pathology of the parotid gland. A review of our case records] Berini Aytes L, et al. **An Otorrinolaringol Ibero Am** 1984;11(4):319–33 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Ultrastructure of the parotid gland in the little brown bat. Tandler B, et al. **Anat Rec** 1984 Nov;210(3):491–502

Inhomogeneities in glycoprotein cytochemistry of secretory granules in rat-parotid acinar cells after selective beta 1-adrenoceptor stimulation. Carlsöö B, et al. **Arch Oral Biol** 1984;29(12):953–8

A cytochemical study on the salivary gland pleomorphic adenoma (mixed tumor) and the fetal and adult salivary gland. Yoshihara T, et al. **Arch Otorhinolaryngol** 1984;240(3):231–8

Association of gap junctions with endoplasmic reticulum in rat parotid glands. Dunn J, et al. **Cell Tissue Res** 1984;238(3):589–94

Isolation and partial characterization of two populations of secretory granules from rat parotid glands. Iversen JM, et al. **Cell Tissue Res** 1985;240(2):441–7

Identification of L-ascorbic acid in secretion granules of the rat parotid gland. von Zastrow M, et al. **J Biol Chem** 1984 Oct 10;259(19):11746–50

Subcellular location of stimulus-affected endogenous phosphoproteins in the rat parotid gland. Spearman TN, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1354–63

Peculiar crystallization of intermediate filaments in a pleomorphic adenoma of parotid gland [letter] Min KW. **Ultrastruct Pathol** 1984;7(2–3):235–7

PAROTID NEOPLASMS

[Acinic cell adenocarcinoma of the parotid gland] Simović S, et al. **Chir Maxillofac Plast** 1984;14(2–3):121–6 (Eng. Abstr.) **(Scr)**

ANALYSIS

Cytoskeletal proteins in oncocytic tumors of the parotid gland. Gustafsson H, et al. **Arch Otolaryngol** 1985 Feb;111(2):99–105

[Trace elements in polymorphic adenomas of the parotid salivary glands] Gozhaia LD, et al. **Vopr Onkol** 1985;31(6):108–10 **(Rus)**

COMPLICATIONS

Facial nerve palsy associated with Warthin's tumor. Lesser RW, et al. **Arch Otolaryngol** 1985 Aug;111(8):548–9

Hemifacial spasm associated with a mixed benign parotid tumour [letter] Destee A, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):189–90

[Parotid tumor as the initial manifestation of probable acute lymphoglandular toxoplasmosis] Ferraz AR, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Sep-Oct;39(5):239–42 (Eng. Abstr.) **(Por)**

CONGENITAL

[Congenital giant sebaceous adenoma of the parotid gland secreting carcinoembryonic antigen, disclosed by immunoperoxidase PAP. Apropos of a case] Roth A. **Arch Anat Cytol Pathol** 1985;33(1):55–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Lymphangioma of the parotid gland. Takato T, et al. **Ann Plast Surg** 1984 Oct;13(4):353–6

Lymphomas presenting as lumps in the parotid region. Watkin GT, et al. **Br J Surg** 1984 Sep;71(9):701–2

Lipomatosis and Virchow's metamorphosis in the parotid glands. Grushka M, et al. **Ear Nose Throat J** 1984 Dec;63(12):599–601

Intraparotid hemangioma in an adult. Case report and review of the literature. Chuong R, et al. **Int J Oral Surg** 1984 Aug;13(4):346–51

Evaluation of NMR versus CT for parotid masses: a preliminary report. Schaefer SD, et al. **Laryngoscope** 1985 Aug;95(8):945–50

Ultrasonography of the salivary glands. Wittich GR, et al. **Radiol Clin North Am** 1985 Mar;23(1):29–37 (38 ref.)

[Diagnosis of masses in the parotid gland by ultrasonic tomography] Ma DQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Sep;19(3):165–7 **(Chi)**

[Hemangiopericytoma of the orofacial region] Bertrand JC, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):607–13 (Eng. Abstr.) **(Fre)**

[Venous hemangioma of the parotid in adults] Lacomme Y, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):615–9 (Eng. Abstr.) **(Fre)**

[Clinical aspects and therapy of parotid tumors] Kaufmann J, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Sep;63(9):457–9 (Eng. Abstr.) **(Ger)**

[Ossifying parotid tumor in the dog] Röcken H. **Tierarztl Prax** 1985;13(1):77–9 (Eng. Abstr.) **(Ger)**

[Round-table. Masses in the parotid region. Semeiology and clinical aspects] Bosatra A, et al. **Acta Otorhinolaryngol Ital** 1984 May-Jun;4(3):317–72 (Eng. Abstr.) **(Ita)**

[Current trends in the diagnosis of parotid tumors] Venuti A, et al. **Chir Ital** 1982 Jun;34(3):385–8 (Eng. Abstr.) **(Ita)**

[Management of hemangiomas of the parotid gland in children] Mozolewski E, et al. **Otolaryngol Pol** 1985;39(2):98–105 (Eng. Abstr.) **(Pol)**

[Case of sarcoma of the parotid gland with long-term survival] Stankiewicz C, et al. **Otolaryngol Pol** 1984;38(3):261- (Eng. Abstr.) **(Pol)**

ETIOLOGY

A dental x-ray validation study. Comparison of information from patient interviews and dental charts. Preston-Martin S, et al. **Am J Epidemiol** 1985 Mar;121(3):430–9

FAMILIAL & GENETIC

Relationships between chromosomal patterns and protooncogenes in human benign salivary gland tumors. Stenman G, et al. **Tumour Biol** 1984;5(2):103–17

IMMUNOLOGY

Malignant lymphoma of the parotid gland with monoclonal cytoplasmic immunoglobulin. Haratake J, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1459–67

[Warthin's tumor: a immunological study of the lymphoid cell component] Furukawa M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Dec;87(12):1650–3 (Eng. Abstr.) **(Jpn)**

METABOLISM

Immunohistochemical investigation of lysozyme, lactoferrin, alpha 1-antitrypsin, alpha 1-antichymotrypsin and ferritin in parotid gland tumors. Sehested M, et al. **J Oral Pathol** 1985 Jul;14(6):459–65

OCCURRENCE

Parotid tumours in a district general hospital. Poskitt KR, et al. **Br J Clin Pract** 1984 Nov-Dec;38(11–12):384–7, 391

PATHOLOGY

Psammoma bodies in the aspiration cytology smears of an acinic-cell tumor [letter] Bottles K, et al.

Acta Cytol (Baltimore) 1985 Mar-Apr;29(2):191-2

Salivary duct carcinoma of the parotid gland. Cytologic and histopathologic study. Gal R, et al. **Acta Cytol (Baltimore)** 1985 May-Jun;29(3):454-6

Adenoid cystic carcinoma arising in a pleomorphic adenoma of the parotid gland. An aspiration cytology and ultrastructural study. Geisinger KR, et al. **Acta Cytol (Baltimore)** 1985 Jul-Aug;29(4):522-6

Fine needle aspiration cytology in two cases of well-differentiated acinic-cell carcinoma of the parotid gland. Discussion of diagnostic criteria. Palma O, et al. **Acta Cytol (Baltimore)** 1985 Jul-Aug;29(4):516-21

Basal cell adenoma with parallel tubules in stromal cells of the parotid gland. Suzuki K, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1449-58

Myoepithelioma of the parotid gland. Report of two cases with immunohistochemical technique for S-100 protein and electron microscopic observation. Tanimura A, et al. **Acta Pathol Jpn** 1985 Mar;35(2):409-17

Adenolymphoma with massive necrosis and squamous metaplasia. Weiss LM, et al. **Acta Pathol Jpn** 1984 Nov; 34(6):1469-74

Histogenesis of benign pleomorphic adenoma (mixed tumor) of the major salivary glands. An ultrastructural and immunohistochemical study. Erlandson RA, et al. **Am J Surg Pathol** 1984 Nov;8(11):803-20

Pleomorphic adenoma and metastatic squamous cell carcinoma. Atiyah RA, et al. **Arch Otolaryngol** 1985 Mar; 111(3):204-6

Unilocular cystic sebaceous lymphadenoma of the parotid gland. Merwin WH Jr, et al. **Arch Otolaryngol** 1985 Apr; 111(4):273-5

Intraparotid branchial cleft cyst. Tami TA, et al. **Arch Otolaryngol** 1985 Mar;111(3):204-5, 207

Carcinoma of the parotid gland with osteoclastlike giant cells. Immunohistochemical and ultrastructural observations. Balogh K, et al. **Arch Pathol Lab Med** 1985 Aug; 109(8):756-61

Adenoid cystic carcinoma of the parotid gland. Cassidy M, et al. **Br Dent J** 1984 Aug 25;157(4):136-7

Mucoepidermoid carcinoma arising in an intraparotid lymph node. Smith A, et al. **Cancer** 1985 Jan 15;55(2):400-3

A salivary gland lymphoma involving contralateral parotid gland and submaxillary gland with a review of the literature. Tanaka T, et al. **Hiroshima J Med Sci** 1984 Jun; 33(2):113-23

In-situ neoplasia in squamous cell carcinoma of the parotid. A case report. Leader M, et al. **Histopathology** 1985 Mar; 9(3):325-9

Lymphoma arising in an adenolymphoma. Hall G, et al. **Hum Pathol** 1985 Apr;16(4):424-7

Tubuloalveolar adenoma of salivary gland. Pulitzer DR, et al. **Hum Pathol** 1985 Jun;16(6):641-4

Oncocytoma of the parotid gland: report of two cases with comprehensive review of literature. Dayal JP, et al. **Indian J Pathol Microbiol** 1984 Apr;27(2):107-10

Dermal cylindromas (turban tumour) and eccrine spiradenomas in a patient with membranous basal cell adenoma of the parotid gland. Ferrándiz C, et al. **J Cutan Pathol** 1985 Feb;12(1):72-9

Unusual sites of schwannoma in the head and neck. Samet A, et al. **J Laryngol Otol** 1985 May;99(5):523-8

Non-Hodgkin's lymphoma arising in adenolymphoma--a report of two cases. Banik S, et al. **J Pathol** 1985 Jul; 146(3):167-77

Plasmacytoma of the parotid gland. Edney JA, et al. **J Surg Oncol** 1985 Mar;28(3):165-7

Lipoma of the parotid gland. Houston GD, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jul;60(1):72-4

Epithelial-myoepithelial carcinoma: an immunocytochemical study. Palmer RM. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):511-5

Follow-up report on epithelial-myoepithelial carcinoma of intercalated duct origin. Pogrel MA. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):172-3

Primary non-Hodgkin lymphoma of the parotid gland associated with Sjögren's syndrome: a case report. Bandieramonte G, et al. **Tumori** 1985 Feb 28;71(1):85-8

[Malignant transformation of a mixed adenoma of the parotid gland] Balle V. **Ugeskr Laeger** 1984 Jun 25;146(26):1937 (Eng. Abstr.) **(Dan)**

[Benign lympho-epithelial lesions of the parotid. Apropos of a case] Bodelet B, et al. **J Fr Otorhinolaryngol** 1984 Oct;33(8):420-4 **(Fre)**

[Cylindroma on a pleomorphic adenoma. Apropos of 2 case reports] Brocheriou C, et al. **Rev Stomatol Chir Maxillofac** 1985;86(1):36-40 (Eng. Abstr.) **(Fre)**

[Acinus cell adenocarcinomas of the parotid. Apropos of a case with rib and vertebral metastases] Marion A, et al. **Union Med Can** 1985 Feb;114(2):146-7 **(Fre)**

[Recurrent benign tumors of the parotid gland and their tendency for becoming malignant] Mann W, et al. **Laryngol Rhinol Otol (Stuttg)** 1985 Mar;64(3):133-5 (Eng. Abstr.) **(Ger)**

[Metastasizing mucoepidermoid carcinoma of the parotid gland. Case report] Röckelein G. **Laryngol Rhinol Otol (Stuttg)** 1985 Jul;64(7):338-41 (Eng. Abstr.) **(Ger)**

[Benign lymphoepithelial lesion of the parotid gland and its association with malignant lymphoma] Bignardi L, et al. **Acta Otorhinolaryngol Ital** 1984 May-Jun;4(3):305-15 (Eng. Abstr.) **(Ita)**

[Anatomo-clinical and immunologic features of the so-called benign lymphoepithelial Godwin's lesion of the salivary glands] Bondi R, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2-3):120-40 **(Ita)**

[A case of polymorphous adenocarcinoma in the right parotid gland] Katoh T, et al. **Gan No Rinsho** 1985 Jun;31(7):861-4 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Sialography and CT-sialography in the diagnosis of parotid masses. Eyjólfsson O, et al. **Acta Radiol [Diagn] (Stockh)** 1984;25(5):361-4

[Combined modality sialogram-sialo computerized tomography in parotid pathology] Ciampa G, et al. **Acta Otorhinolaryngol Ital** 1984 Jan-Feb;4(1):111-24 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

[Value of scintigraphy in the diagnosis of papillary cystadenolymphoma. Apropos of 3 cases] Lejuste P, et al. **Acta Stomatol Belg** 1984 Sep;81(2):107-17 (Eng. Abstr.) **(Fre)**

[Diagnostic evaluation of RI scintigraphy in parotid gland tumors] Haraguchi S. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Apr;88(4):520-34 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

The role of post-operative radiation therapy in the treatment of malignant tumors of the parotid gland. Imperato JP, et al. **J Surg Oncol** 1984 Nov;27(3):163-7

SECONDARY

Metastatic patterns of squamous carcinoma in the parotid lymph nodes. Lee K, et al. **Br J Plast Surg** 1985 Jan; 38(1):6-10

Metastasis to the parotid gland from colorectal adenocarcinoma. Velez A, et al. **Dis Colon Rectum** 1985 Mar;28(3):190-2

Renal cell carcinoma with metastasis to the submandibular and parotid glands. A case report. Smits JG, et al. **J Maxillofac Surg** 1984 Oct;12(5):235-6

[Extraneural medulloblastoma metastasis following non-operated medulloblastoma] Wagner W, et al. **Klin Padiatr** 1985 Mar-Apr;197(2):135-7 (Eng. Abstr.) **(Ger)**

SECRETION

Ultrastructural morphometry and secretory behavior of acinic cell carcinoma. Gustafsson H, et al. **Cancer** 1985 Apr 15;55(8):1706-10

SURGERY

Sequential administration of human and porcine factor VIII for surgical treatment of a parotid tumour in a patient with a factor VIII inhibitor. Briët E, et al. **Acta Haematol (Basel)** 1985;73(2):97-100

Parotidectomy versus limited resection for benign parotid masses. Woods JE. **Am J Surg** 1985 Jun;149(6):749-50

The surgical approach to recurrent pleomorphic adenoma of the parotid gland. Stanley RE, et al. **Ann Acad Med Singapore** 1984 Jan;13(1):91-5

Superficial musculoaponeurotic system amelioration of parotidectomy defects. Rappaport I, et al. **Ann Plast Surg** 1985 Apr;14(4):315-23

Long-term results of local excision and radiotherapy in pleomorphic adenoma of the parotid. Dawson AK, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):451-5

Surgical treatment of pleomorphic adenoma of the parotid gland: report of 110 cases. Chang EZ, et al. **J Oral Maxillofac Surg** 1985 Sep;43(9):680-2

A modified centripetal approach to parotidectomy. Wang DZ, et al. **J Oral Maxillofac Surg** 1985 Jan;43(1):14-9

Primary carcinoma of Stensen's duct: recognition and management with literature review. Frechette CN, et al. **J Surg Oncol** 1984 Sep;27(1):1-7

High-grade malignancies of the parotid gland: effective use of planned combined surgery and irradiation. Matsuba HM, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1059-63

The extratemporal facial nerve. Proctor B. **Otolaryngol Head Neck Surg** 1984 Oct;92(5):537-45

Extracapsular parotidectomy--a radical operation for selected malignant parotid tumours. Kay S. **S Afr J Surg** 1985 Jun;23(2):39-42

[A successful autotransplant substitution of the facial nerve after parotidectomy followed by actinotherapy] Novák V, et al. **Cesk Otolaryngol** 1984 Jul;33(4):251-6 (Eng. Abstr.) **(Cze)**

[Effect of operative technic on the development of postoperative facial paralysis and the auriculotemporal syndrome in parotid surgery] Roscic Z, et al. **Fortschr Kiefer Gesichtschir** 1985;30:61-4 **(Ger)**

[Tumors of the parotid gland] Miladinović B, et al. **Med Pregl** 1985;38(3-4):207-9 (Eng. Abstr.) **(Ser)**

THERAPY

Facial nerve damage in the treatment of tumours of the parotid gland. Rampling R, et al. **Clin Oncol** 1984 Dec; 10(4):345-51

[Case of sarcoma of the parotid gland with long-term survival] Stankiewicz C, et al. **Otolaryngol Pol** 1984; 38(3):261- (Eng. Abstr.) **(Pol)**

PAROTIN see under **HORMONES**

PAROTITIS

Actinomycosis of the parotid gland. Hensher R, et al. **Br J Oral Maxillofac Surg** 1985 Apr;23(2):128-34

ENZYMOLOGY

[Glandular kallikrein in chronic recurrent parotitis] Maier H, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Dec; 63(12):633-5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

A 16-month-old boy with infectious mononucleosis, parotitis and Bell's palsy. Andersson J, et al. **Acta Paediatr Scand** 1985 Jul;74(4):629-32

Interferon-induced parotitis and epididymitis [letter] Bevan PC. **Lancet** 1985 Sep 7;2(8454):561

IMMUNOLOGY

[Comparative characteristics of nonspecific resistance factors in chronic parenchymatous parotitis and Sjögren's syndrome] Ron' GI, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):37-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Characteristics of the microbial flora in parotitis in children] Rybalov OV, et al. **Stomatologiia (Mosk)** 1984 Nov-Dec; 63(6):41-3 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Swelling of the neck--clinical survey and processing of patients at our clinic] Ichino Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Mar;88(3):253-60 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Computed tomography and sialography of chronic pyogenic parotitis. Iko BO. **Br J Radiol** 1984 Dec;57(684):1083-90

[Sialographic diagnosis of autoimmune parotitis] Meregaglia D, et al. **Radiol Med (Torino)** 1984 Jul-Aug;70(7-8):545-6 **(Ita)**

THERAPY

[Treatment of chronic recurrent parotitis using bacterial vaccine] Petru V, et al. **Cesk Pediatr** 1984 Jul;39(7):383-6 (Eng. Abstr.) **(Cze)**

PAROVARIAN CYST

COMPLICATIONS

Lobulated polycystic ovary with huge parovarian cyst. Kim DS, et al. **Asia Oceania J Obstet Gynaecol** 1985 Mar; 11(1):75-9

DIAGNOSIS

Sonographic features of parovarian cysts. Athey PA, et al. **AJR** 1985 Jan;144(1):83-6

PATHOLOGY

Paratubal cysts: frequency, histogenesis, and associated clinical features. Samaha M, et al. **Obstet Gynecol** 1985 May;65(5):691-4

PARROTS see under **PSITTACINES**

PARSALMIDE see under **BENZAMIDES**

PARTHENOGENESIS

Parthenogenetic activation decreases the polyphosphoinositide content of frog eggs. Le Peuch CJ, et al. **FEBS Lett** 1985 Jul 22;187(1):61-4

Length variation and heteroplasmy are frequent in mitochondrial DNA from parthenogenetic and bisexual lizards (genus Cnemidophorus). Densmore LD, et al. **Genetics** 1985 Aug;110(4):689-707

Production of androgenetic diploid rainbow trout. Parsons JE, et al. **J Hered** 1985 May-Jun;76(3):177-81

Behavioral facilitation of reproduction in sexual and parthenogenetic Drosophila. Crews D, et al. **Science** 1985 Jan 4;227(4682):77-8

[In vitro parthenogenesis in the human species] Plachot M, et al. **Ann Genet (Paris)** 1984;27(3):158-61 (Eng. Abstr.) **(Fre)**

PARTIAL MONOSOMY see **CHROMOSOME DELETION**

PARTIAL PRESSURE

Pedal blood flow and transcutaneous PO2 in normal subjects and in patients suffering from severe arterial occlusive disease. Bongard O, et al. **Clin Physiol** 1984 Oct;

4(5):393–401

Utility of transcutaneous oxygen tension measurements in peripheral arterial occlusive disease. Cina C, et al. **J Vasc Surg** 1984 Mar;1(2):362–71

[Transcutaneous PCO2 monitoring of newborn infants] Hågå P, et al. **Tidsskr Nor Laegeforen** 1985 Jun 30; 105(19–21):1298–301 (Eng. Abstr.) **(Nor)**

PARTIAL THROMBOPLASTIN TIME see under **BLOOD COAGULATION TESTS**

PARTICLE ACCELERATORS

Six years experience in the use of a 10 MeV microtron for radiation therapy. Belletti S, et al. **Acta Radiol [Oncol]** 1984; 23(5):375–8

Neutron skyshine measurements at Fermilab. Cossairt JD, et al. **Health Phys** 1985 Feb;48(2):175–81

Transmission in concrete of primary and leakage x rays from a 24–MV medical linear accelerator. LaRiviere PD. **Health Phys** 1984 Dec;47(6):819–27

Primary and leakage radiation calculations at 6, 10 and 25 MeV. Nelson WR, et al. **Health Phys** 1984 Dec;47(6):811–8

Radiation transmission and scattering for medical linacs producing x rays of 6 and 15 MV: comparison of calculations with measurements. Numark NJ, et al. **Health Phys** 1985 Mar;48(3):289–95

High thermoluminescent dosimeter readings outside a medical accelerator. Pollock RW. **Health Phys** 1985 Sep; 49(3):533

The estimation of dose equivalent from the activation of plastic scintillators. Stevenson GR. **Health Phys** 1984 Dec; 47(6):837–47

Tandem Van de Graaff accelerator production of positron labeled radiopharmaceuticals for routine clinical use. Jones SC, et al. **Int J Appl Radiat Isot** 1984 Aug;35(8):721–9

A diagnostic X ray field verification device for a 10 MV linear accelerator. Biggs PJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):635–43

Cerebral radiation surgery using moving field irradiation at a linear accelerator facility. Hartmann GH, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1185–92

Precision, high dose radiotherapy: helium ion treatment of uveal melanoma. Saunders WM, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):227–33

The Piotron: II. Methods and initial results of dynamic pion therapy in phase II studies. von Essen CF, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):217–26

X-ray microscopy: experimental results with the Göttingen X-ray microscope at the electron storage ring BESSY in Berlin. Schmahl G, et al. **J Microsc** 1985 Jun;138 (Pt 3):279–84

Clinical experience with the 22-MeV microtron at the National Cancer Center Hospital. Egawa S, et al. **Jpn J Clin Oncol** 1984 Dec;14(4):613–22

The medical case for an Australian national cyclotron facility. Morris JG, et al. **Med J Aust** 1985 Apr 15;142(8):454–7

Australian Medical Cyclotron Workshop [editorial] Quinlan MF. **Med J Aust** 1985 Apr 15;142(8):434–5

Collimator-produced energy degradation of megavoltage x rays. Amols HI, et al. **Med Phys** 1984 Jul–Aug;11(4):521–4

Determination of the photon spectrum of a clinical accelerator. Brownridge J, et al. **Med Phys** 1984 Nov–Dec; 11(6):794–6

Reduction of the 'horns' observed on the beam profiles of a 6–MV linear accelerator. Constantinou C, et al. **Med Phys** 1984 Nov–Dec;11(6):840–2

Characteristics of an MM 22 medical microtron 6–MV photon beam. George RE. **Med Phys** 1984 Nov–Dec; 11(6):862–5

Temperature–pressure compensation for a linear accelerator electron beam dosimeter. Hrejsa AF, et al. **Med Phys** 1985 Mar–Apr;12(2):260–1

The effect of flattening filter design on quality variations within an 8–MV primary x–ray beam. Lutz WR, et al. **Med Phys** 1984 Nov–Dec;11(6):843–5

Dose to radiotherapy technologist from air activation. McGinley PH, et al. **Med Phys** 1984 Nov–Dec;11(6):855–8

Demonstration of relatively new electron dosimetry measurement techniques on the Mevatron 80. Meyer JA, et al. **Med Phys** 1984 Sep–Oct;11(5):670–7

An accurate temperature controller for linear accelerators. Morris PB, et al. **Med Phys** 1984 Nov–Dec;11(6):859–61

A shaping device for irregular electron fields for the Therac-20 accelerator. Muller-Runkel R, et al. **Med Phys** 1985 Jan–Feb;12(1):90–2

Radiation protection aspects of a new high–energy linear accelerator. O'Brien P, et al. **Med Phys** 1985 Jan–Feb; 12(1):101–7

Dosimetry of small fields for Therac 20 electron beams. Sharma SC, et al. **Med Phys** 1984 Sep–Oct;11(5):697–702

Electron contamination due to Lucite in a 45–MV photon beam. Zwicker RD, et al. **Med Phys** 1984 Jul–Aug; 11(4):534–8

Detroit's superconducting cyclotron will be a first for radiation therapy. Powers WE. **Mich Med** 1985 Jan; 84(1):34–6

External stereotactic irradiation by linear accelerator. Colombo F, et al. **Neurosurgery** 1985 Feb;16(2):154–60

Computer assisted set–up of a linear accelerator. Norwood HM. **Phys Med Biol** 1985 Mar;30(3):251–4

Medical use of radiation and particle accelerators. Tsunemoto H, et al. **Radiat Med** 1983 Apr–Jun;1(2):146–54 (8 ref.)

Nuclear fragmentation of clinical silicon beam. Jain PL, et al. **Radiat Res** 1985 Feb;101(2):225–36

The effects of ionizing radiation on eight cardiac pacemakers and the influence of electromagnetic interference from two linear accelerators. Venselaar JL. **Radiother Oncol** 1985 Jan;3(1):81–7

Certain dosimetric features of electrons from a CGR Therac–20 MeV Saturne linear accelerator. Nair RP. **Strahlentherapie** 1985 Mar;161(3):154–6

[Initial results in percutaneous radiotherapy of malignant melanomas of the choroid with the linear accelerator] Bornfeld N, et al. **Klin Monatsbl Augenheilkd** 1984 Sep; 185(3):181–4 (Eng. Abstr.) **(Ger)**

[Relative biological effectiveness (RBE) of fast neutrons of mean energy 6.2 MeV from the U–120 cyclotron] Magdon E. **Radiobiol Radiother (Berl)** 1985;26(1):27–35 (Eng. Abstr.) **(Ger)**

[Simplified manufacture of individual field shapers for radiotherapy with electrons] Brix F, et al. **Rontgenpraxis** 1984 Aug;37(8):297–9 **(Ger)**

[Stereotaxic irradiation with a linear accelerator] Avanzo RC, et al. **Radiol Med (Torino)** 1984 Mar;70(3):124–9 (Eng. Abstr.) **(Ita)**

[Measurement of neutrons from an electron accelerator by rem–counter] Nagamachi S, et al. **Radioisotopes** 1985 May; 34(5):262–5 (Eng. Abstr.) **(Jpn)**

[Development of an automatic synthesis system for cyclotron––produced radiopharmaceuticals: 15O–water and 11C–cyanide] Nishihara Y, et al. **Radioisotopes** 1984 Oct;33(10):706–9 **(Jpn)**

[A new diagnostic perspective: the use of synchroton radiation in cardiac angiography] De Oliveira AR. **Arq Bras Cardiol** 1984 Jul;43(1):59–65 **(Por)**

[Preparation of patients with head and neck tumors for neutron teletherapy] Musabaeva LI, et al. **Med Radiol (Mosk)** 1985 Mar;30(3):53–4 (Eng. Abstr.) **(Rus)**

HISTORY

History of microwave electron linear accelerators for radiotherapy. Ginzton EL, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):205–16

STANDARDS

A simple digitizer technique for determining the effective center of spoke shots. Biggs PJ. **Med Phys** 1984 Sep–Oct; 11(5):729

Detection of a leak in a 'sealed' monitor chamber. Boese HR, et al. **Med Phys** 1985 May–Jun;12(3):377–8

On the selection of stopping–power and mass energy–absorption coefficient ratios for high–energy x–ray dosimetry. Cunningham JR, et al. **Med Phys** 1984 Sep–Oct; 11(5):618–23

A statistical analysis of ionometrically measured 6–MV x–ray beam parameters. Dawson DJ, et al. **Med Phys** 1984 Sep–Oct;11(5):708–11

Neutron leakage measurements from a medical linear accelerator. Palta JR, et al. **Med Phys** 1984 Jul–Aug; 11(4):498–501

Dosimetric characterization of the 18–MV photon beam from the Siemens Mevatron 77 linear accelerator. Palta JR, et al. **Med Phys** 1984 Sep–Oct;11(5):717–24

Photonuclear activation ratios in fluorine compounds; an index of bremsstrahlung quality. Prado KL, et al. **Med Phys** 1984 Jul–Aug;11(4):474–9

Quality control of linear accelerator x–ray performance using semiconductor probes. Dale RG. **Radiology** 1985 Jun; 155(3):834

[Possibilities and limits of practice–oriented daily control measurements of linear accelerators] Kaulich TW, et al. **Strahlentherapie** 1984 Sep;160(9):543–8 (Eng. Abstr.) **(Ger)**

UTILIZATION

[The management of particle accelerators in radiotherapy] Novario R, et al. **Radiol Med (Torino)** 1985 Mar; 71(3):149–54 (Eng. Abstr.) **(Ita)**

PARTICLE SIZE

A probability concept about size distributions of sonicated lipid vesicles. Tenchov BG, et al. **Biochim Biophys Acta** 1985 Jun 11;816(1):122–30

Extension of Johnson's equation of homogeneity of random mixtures. Egermann H. **J Pharm Pharmacol** 1985 Jul; 37(7):491–2

PARTNERSHIP PRACTICE

A combination for success: the optometric partnership. Rheam DA, et al. **J Am Optom Assoc** 1984 Sep;55(9):685–9

Designing the associateship. Florentz C. **NY State Dent J** 1985 Mar;51(3):142, 145

Economic realities change practice expansion. Kropiewnicki ME, et al. **Penn Med** 1984 Nov;87(11):36, 38, 40 passim

LEGISLATION & JURISPRUDENCE

Dissolution of a partnership. Hannah HW. **J Am Vet Med Assoc** 1985 Feb 1;186(3):235

[Risks in practice partnership between physicians] Pranschke-Schade S, et al. **Unfallchirurgie** 1984 Oct; 10(5):262–5 **(Ger)**

ORGANIZATION & ADMINISTRATION

Solo, partnership or corporation: which practice is best for you? Edwards KS. **Ohio State Med J** 1984 Dec; 80(12):835–7

PARTNERSHIP PRACTICE, DENTAL see under **PARTNERSHIP PRACTICE**

PARTRICIN see under **POLYENES**

PARTURIENT PARESIS

DRUG THERAPY

Persisting hypocalcaemia in the cow––predisposing factors. Waage S. **Nord Vet Med** 1984 Sep–Oct;36(9–10):273–81

ENZYMOLOGY

Milk fever in the cow––course of disease in relation to the serum activity of aspartate aminotransferase, alanine aminotransferase, creatine kinase and gamma–glutamyltransferase. Waage S. **Nord Vet Med** 1984 Sep–Oct;36(9–10):282–95

ETIOLOGY

Free fatty acid–induced hypocalcemia in food–deprived dairy cattle. Stevens JB, et al. **Am J Vet Res** 1984 Nov; 45(11):2448–50

METABOLISM

Milk fever and calcium metabolism. Allen WM, et al. **J Vet Pharmacol Ther** 1985 Mar;8(1):19–29

PREVENTION & CONTROL

Oral 1,25–dihydroxyvitamin D3 in prevention of milk fever. Hove K, et al. **Acta Vet Scand** 1984;25(4):510–25

Manipulating dietary anions and cations for prepartum dairy cows to reduce incidence of milk fever. Block E. **J Dairy Sci** 1984 Dec;67(12):2939–48

THERAPY

Therapy of milk fever and downer cows. Rogers PA. **Nord Vet Med** 1985 Mar–Apr;37(2):109–10

The relationship between certain clinical characteristics and course of disease in milk fever in dairy cows. Waage S. **Nord Vet Med** 1984 Nov–Dec;36(11):346–53

PARTURITION see **LABOR**

PARVALBUMINS see under **MUSCLE PROTEINS**

PARVOVIRIDAE

KBSH parvovirus: comparison with porcine parvovirus. Molitor TW, et al. **J Virol** 1985 Aug;55(2):257–63

ANALYSIS

Structural polypeptides of a canine parvovirus: study by immunoadsorption and sequential analysis of infected cells. Brief report. Surleraux M, et al. **Arch Virol** 1984; 82(3–4):233–40

Direct demonstration of the human parvovirus in erythroid progenitor cells infected in vitro. Young N, et al. **J Clin Invest** 1984 Dec;74(6):2024–32

CLASSIFICATION

Characteristics and taxonomy of Parvoviridae. Siegl G, et al. **Intervirology** 1985;23(2):61–73

GENETICS

An Escherichia coli recBCsbcBrecF host permits the deletion–resistant propagation of plasmid clones containing the 5'–terminal palindrome of minute virus of mice. Boissy R, et al. **Gene** 1985;35(1–2):179–85

Expression of canine parvovirus–beta–galactosidase fusion proteins in Escherichia coli. Smith S, et al. **Gene** 1984 Sep; 29(3):263–9

Kilham rat virus DNA replication in subcellular fractions. Gunther M, et al. **J Gen Virol** 1984 Nov;65 (Pt 11):2021–31

Detection of human parvovirus using a molecularly cloned probe. Clewley JP. **J Med Virol** 1985 Feb;15(2):173–81

Sequence analysis of the termini of virion and replicative forms of minute virus of mice DNA suggests a modified rolling hairpin model for autonomous parvovirus DNA replication. Astell CR, et al. **J Virol** 1985 Apr;53(4):171–7

Transcription of minute virus of mice, an autonomous parvovirus, may be regulated by attenuation. Ben–Asher E, et al. **J Virol** 1984 Oct;52(1):266–76

Cloning and sequence of DNA encoding structural proteins of the autonomous parvovirus feline panleukopenia virus. Carlson J, et al. **J Virol** 1985 Sep;55(3):574–82

Mapping of the amino terminus of the H–1 parvovirus major capsid protein. Paradiso PR, et al. **J Virol** 1984 Oct; 52(1):77–81

Identification of multiple forms of the noncapsid parvovirus protein NCVP1 in H–1 parvovirus–infected cells. Paradiso

NEWARK PUBLIC LIBRARY

PR. **J Virol** 1984 Oct;52(1):82-7

Expression of minute virus of mice structural proteins in murine cell lines transformed by bovine papillomavirus-minute virus of mice plasmid chimera. Pintel D, et al. **J Virol** 1984 Nov;52(2):320-7

Nucleotide sequence of the coat protein gene of canine parvovirus. Rhode SL 3d. **J Virol** 1985 May;54(2):630-3

trans-Activation of parvovirus P38 promoter by the 76K noncapsid protein. Rhode SL 3d. **J Virol** 1985 Sep; 55(3):886-9

Formation of a host range mutant of the lymphotropic strain of minute virus of mice during persistent infection in mouse L cells. Ron D, et al. **J Virol** 1984 Oct;52(1):63-9

Short direct repeats mediate spontaneous high-frequency deletions in DNA of minute virus of mice. Hogan A, et al. **Mol Cell Biol** 1984 Oct;4(10):2239-42

A human parvovirus, adeno-associated virus, as a eucaryotic vector: transient expression and encapsidation of the procaryotic gene for chloramphenicol acetyltransferase. Tratschin JD, et al. **Mol Cell Biol** 1984 Oct;4(10):2072-81

Mutagenesis at putative apurinic sites in alkylated single-stranded DNA of parvovirus H-1 propagated in human cells. Su ZZ, et al. **Mutat Res** 1985 Mar;149(1):1-8

A viral enhancer element specifically active in human haematopoietic cells. Mosthaf L, et al. **Nature** 1985 Jun 13-19;315(6020):597-600

DNA sequence comparison between two tissue-specific variants of the autonomous parvovirus, minute virus of mice. Sahli R, et al. **Nucleic Acids Res** 1985 May 24; 13(10):3617-33

Characterization and molecular cloning of a human parvovirus genome. Cotmore SF, et al. **Science** 1984 Dec 7;226(4679):1161-5

Porcine parvovirus DNA: characterization of the genomic and replicative form DNA of two virus isolates. Molitor TW, et al. **Virology** 1984 Sep;137(2):241-54

GROWTH & DEVELOPMENT

Parvovirus (feline panleucopaenia virus) plaque formation. Tham KM, et al. **Arch Virol** 1985;84(3-4):261-8

Experimental infection of canine parvovirus in specific pathogen-free cats. Goto H, et al. **Nippon Juigaku Zasshi** 1984 Oct;46(5):729-31

Multiplication of canine parvovirus in CRFK cells. Hirasawa T, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):89-99

IMMUNOLOGY

Rapid enzyme-linked immunosorbent assay for detecting antibodies to canine parvovirus. Fiscus SA, et al. **Am J Vet Res** 1985 Apr;46(4):859-63

Rapid detection of canine parvovirus in feces using monoclonal antibodies and enzyme-linked immunosorbent assay. Mildbrand MM, et al. **Am J Vet Res** 1984 Nov; 45(11):2281-4

Characterization of antigenic variation among mink enteritis virus isolates. Parrish CR, et al. **Am J Vet Res** 1984 Dec; 45(12):2591-9

Oronasal and intramuscular vaccination of swine with a modified live porcine parvovirus vaccine: multiplication and transmission of the vaccine virus. Paul PS, et al. **Am J Vet Res** 1984 Dec;45(12):2481-5

Detection of antibodies to human parvovirus in erythema infectiosum (fifth disease). Okabe N, et al. **Arch Dis Child** 1984 Nov;59(11):1016-9

In vitro studies on feline panleucopaenia virus. Standardisation of haemagglutination-inhibition test for feline panleucopaenia virus antibody. Wosu LO. **Comp Immunol Microbiol Infect Dis** 1984;7(3-4):201-6

Seroprevalence of canine parvovirus in wild coyotes from Texas, Utah, and Idaho (1972 to 1983). Thomas NJ, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1283-7

Immunoenzyme Western blotting analysis of antibody specificity in Aleutian disease of mink, a parvovirus infection. Porter DD, et al. **J Virol** 1984 Dec;52(3):745-9

Antibody to human parvovirus in outbreak of erythema infectiosum in Japan [letter] Shiraishi H, et al. **Lancet** 1985 Apr 27;1(8435):982-3

Role of neutrophils in production of early enteritis after oral infection with feline infectious peritonitis virus in passively sensitized kittens. Hayashi T, et al. **Nippon Juigaku Zasshi** 1984 Jun;46(3):273-9

Potentiating effect of adjuvants on humoral immunity to porcine parvovirus vaccines in guinea pigs. Molitor TW, et al. **Vet Microbiol** 1985 Apr;10(3):209-18

A non-haemagglutinating isolate of mink enteritis virus. Rivera E, et al. **Vet Microbiol** 1984 Aug;9(4):345-53

Parvovirus vaccination [letter] Tribe GW, et al. **Vet Rec** 1984 Sep 15;115(11):284

Parvovirus vaccination [letter] Whur P. **Vet Rec** 1985 Jul 6;117(1):22

[Rapid serological diagnosis of parvovirus infection in dogs. Fluorescent serological demonstration of virus-specific IgM antibodies] Maess J. **Tierarztl Prax** 1984;12(3):427-30 (Eng. Abstr.) **(Ger)**

[Detection of anti-human parvovirus IgM and IgG in erythema infectiosum] Okabe N, et al. **Kansenshogaku Zasshi** 1984 Nov;58(11):1213-20 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Equine parvovirus: initial isolation and partial characterization. Wong FC, et al. **Can J Comp Med** 1985 Jan;49(1):50-4

Human parvovirus and rheumatoid arthritis [letter] Lefrere JJ, et al. **Lancet** 1985 Apr 27;1(8435):982

Bovine parvovirus [letter] Lucas MH, et al. **Vet Rec** 1985 Jun 29;116(26):698

[Occurrence of porcine parvovirus infection in Switzerland and a new method of virus demonstration using immune electron microscopy] Zanoni RG, et al. **Zentralbl Veterinarmed [B]** 1984 Dec;31(10):729-42 (Eng. Abstr.) **(Ger)**

METABOLISM

Inhibition and recovery of the replication of depurinated parvovirus DNA in mouse fibroblasts. Vos JM, et al. **Adv Exp Med Biol** 1984;179:143-50

Identification and characterization of a porcine parvovirus nonstructural polypeptide. Molitor TW, et al. **J Virol** 1985 Sep;55(3):554-9

PATHOGENICITY

Biological assay of attenuated strain NADL-2 and virulent strain NADL-8 of porcine parvovirus. Mengeling WL, et al. **Am J Vet Res** 1984 Nov;45(11):2403-7

The human parvovirus. Brief review. Anderson MJ, et al. **Arch Virol** 1984;82(3-4):137-48

Comparative studies of physicochemical and biological properties between canine parvovirus and feline panleukopenia virus. Goto H, et al. **Nippon Juigaku Zasshi** 1984 Aug;46(4):519-26

[Transformation by SV 40 virus sensitizes fibroblasts of human skin to the lytic action of H-1 parvovirus] de Foresta F, et al. **C R Soc Biol (Paris)** 1985;179(2):276-82 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Feline panleukopenia virus replicates in cells in which cellular DNA synthesis is blocked. Lenghaus C, et al. **J Virol** 1985 Feb;53(2):345-9

Coevolution of cells and virus as a mechanism for the persistence of lymphotropic minute virus of mice in L-cells. Ron D, et al. **J Virol** 1985 Aug;55(2):424-30

Studies on the replication of a bovine parvovirus. Durham PJ, et al. **Vet Microbiol** 1985 Jan;10(2):165-77

Properties of an Australian isolate of bovine parvovirus type 1. Durham PJ, et al. **Vet Microbiol** 1985 Jun;10(4):335-45

RADIATION EFFECTS

[Reactivation of gamma-ray irradiated parvovirus H-1 in cells of patients with ataxia telangiectasia and Huntington's chorea] Hilgers G, et al. **C R Soc Biol (Paris)** 1985; 179(2):283-9 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Structure of the capsid of Kilham rat virus from small-angle neutron scattering. Wobbe CR, et al. **Biochemistry** 1984 Dec 18;23(26):6565-9

PARVOVIRUS INFECTIONS

Human parvovirus arthropathy and rheumatoid factor [letter] Luzzi GA, et al. **Lancet** 1985 May 25;1(8439):1218

An erythema infectiosum-like illness caused by human parvovirus infection. Plummer FA, et al. **N Engl J Med** 1985 Jul 11;313(2):74-9

Parvovirus infection: chance and investigation [editorial] Whitley RJ. **N Engl J Med** 1985 Jul 11;313(2):111-2

[Parvovirus--the cause of infectious erythema and hypoplastic crisis in anemia patients] Meurman O, et al. **Duodecim** 1984;100(20):1313-7 **(Fin)**

[The role of parvoviruses in aplastic anemia (editorial)] Douer D, et al. **Harefuah** 1984 Sep;107(5-6):149-51 **(Heb)**

BLOOD

Epidemic of aplastic crisis in patients with hereditary spherocytosis in Japan [letter] Tsukada T, et al. **Lancet** 1985 Jun 15;1(8442):1401

COMPLICATIONS

Infection with parvovirus during pregnancy [letter] Brown T, et al. **Br Med J [Clin Res]** 1985 Feb 16;290(6467):559-60

Aplastic crisis and other effects of the human parvovirus infection. Blacklock HA, et al. **Clin Haematol** 1984 Oct; 13(3):679-91 (63 ref.)

Parvovirus infection in a family associated with aplastic crisis in an affected sibling pair with hereditary spherocytosis. Green DH, et al. **J Clin Pathol** 1984 Oct;37(10):1144-6

Human parvovirus infection and aplastic crisis in hereditary spherocytosis. Davidson RJ, et al. **J Infect** 1984 Nov; 9(3):298-300

Human parvovirus and purpura [letter] **Lancet** 1985 Sep 28; 2(8457):730-1

Arthritis and parvovirus infection [editorial] **Lancet** 1985 Feb 23;1(8426):436-8

Autoimmune haemolytic anaemia revealed by human parvovirus linked erythroblastopenia [letter] Bertrand Y, et al. **Lancet** 1985 Aug 17;2(8451):382-3

Intrauterine parvovirus infection associated with hydrops fetalis [letter] Brown T, et al. **Lancet** 1984 Nov 3; 2(8410):1033-4

Dual infection with rubella and human parvovirus [letter] Cohen BJ, et al. **Lancet** 1985 Sep 21;2(8456):662-3

Human parvovirus arthropathy. White DG, et al. **Lancet** 1985 Feb 23;1(8426):419-21

Erythema infectiosum and human parvovirus infection. Fowler D, et al. **Practitioner** 1984 Oct;228(1396):963-7

[Erythroblastopenia and febrile meningeal syndrome caused by parvovirus in a child homozygotic for sickle cell anemia (letter)] Lefrere J, et al. **Presse Med** 1985 Feb 2;14(4):228-9 **(Fre)**

DIAGNOSIS

Serologically proved intrauterine infection with parvovirus. Knott PD, et al. **Br Med J [Clin Res]** 1984 Dec 15; 289(6459):1660

Infection with parvovirus during pregnancy [letter] Wright EP, et al. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):241

Diagnosis of human parvovirus infection by dot-blot hybridization using cloned viral DNA. Anderson MJ, et al. **J Med Virol** 1985 Feb;15(2):163-72

Viraemia with human parvovirus [letter] Courouce AM, et al. **Lancet** 1985 May 25;1(8439):1218-9

Human parvovirus-associated arthritis: a clinical and laboratory description. Reid DM, et al. **Lancet** 1985 Feb 23;1(8426):422-5

ETIOLOGY

Experimental parvoviral infection in humans. Anderson MJ, et al. **J Infect Dis** 1985 Aug;152(2):257-65

FAMILIAL & GENETIC

Familial human parvovirus infections [letter] Lefrère JJ, et al. **Lancet** 1985 Aug 10;2(8450):333-4

IMMUNOLOGY

Parvovirus infections: features reminiscent of AIDS. Bloom ME. **Ann NY Acad Sci** 1984;437:110-20 (101 ref.)

MICROBIOLOGY

The human parvovirus. Brief review. Anderson MJ, et al. **Arch Virol** 1984;82(3-4):137-48

Human parvovirus (B19) and erythema infectiosum. Nunoue T, et al. **J Pediatr** 1985 Jul;107(1):38-40

OCCURRENCE

Parvovirus infection and the acquired immunodeficiency syndrome [letter] Anderson MJ, et al. **Ann Intern Med** 1985 Feb;102(2):275

Fifth disease: report of an outbreak. Andrews M, et al. **J R Coll Gen Pract** 1984 Oct;34(267):573-4

Human parvovirus and rubella-like illness [letter] Anderson MJ, et al. **Lancet** 1985 Sep 21;2(8456):663

VETERINARY

Biological assay of attenuated strain NADL-2 and virulent strain NADL-8 of porcine parvovirus. Mengeling WL, et al. **Am J Vet Res** 1984 Nov;45(11):2403-7

Rapid detection of canine parvovirus in feces using monoclonal antibodies and enzyme-linked immunosorbent assay. Mildbrand MM, et al. **Am J Vet Res** 1984 Nov; 45(11):2281-4

Oronasal and intramuscular vaccination of swine with a modified live porcine parvovirus vaccine: multiplication and transmission of the vaccine virus. Paul PS, et al. **Am J Vet Res** 1984 Dec;45(12):2481-5

Structural polypeptides of a canine parvovirus: study by immunoadsorption and sequential analysis of infected cells. Brief report. Surleraux M, et al. **Arch Virol** 1984; 82(3-4):233-40

Equine parvovirus: initial isolation and partial characterization. Wong FC, et al. **Can J Comp Med** 1985 Jan;49(1):50-4

Suspected parvovirus infection in porcupines. Frelier PF, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1291-4

Clinical and pathologic features of parvoviral diarrhea in pound-source dogs. Stann SE, et al. **J Am Vet Med Assoc** 1984 Sep 15;185(6):651-5

Seroprevalence of canine parvovirus in wild coyotes from Texas, Utah, and Idaho (1972 to 1983). Thomas NJ, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1283-7

Comparison of enzyme-linked immunosorbent assay, DNA hybridization, hemagglutination, and electron microscopy for detection of canine parvovirus infections. Teramoto YA, et al. **J Clin Microbiol** 1984 Sep;20(3):373-8

Generalized parvovirus infection with inclusion-body myocarditis in two kittens. Bestetti G, et al. **J Comp Pathol** 1985 Jul;95(3):393-7

KBSH parvovirus: comparison with porcine parvovirus. Molitor TW, et al. **J Virol** 1985 Aug;55(2):257-63

Immunoenzyme Western blotting analysis of antibody specificity in Aleutian disease of mink, a parvovirus infection. Porter DD, et al. **J Virol** 1984 Dec;52(3):745-9

Enzyme-linked immunosorbent assay in the diagnosis of Kilham rat virus infection in rats. Singh SB, et al. **Lab Anim** 1984 Oct;18(4):364-70

Parvoviral myocarditis in cyclophosphamide-treated chicks. Goryo M, et al. **Nippon Juigaku Zasshi** 1985 Jun; 47(3):527-30

Experimental infection of canine parvovirus in specific pathogen-free cats. Goto H, et al. **Nippon Juigaku Zasshi** 1984 Oct;46(5):729-31

Fecal examinations for diagnosis of canine parvovirus infection. Mochizuki M, et al. **Nippon Juigaku Zasshi** 1984 Aug;46(4):587-92

Pathogenesis of canine parvovirus-2 in dogs: histopathology and antigen identification in tissues. Carman PS, et al. **Res Vet Sci** 1985 Mar;38(2):141-50

Pathogenesis of canine parvovirus-2 in dogs: haematology, serology and virus recovery. Carman PS, et al. **Res Vet Sci** 1985 Mar;38(2):134-40

Epidemiological studies of parvovirus infections in calves on endemically infected properties. Durham PJ, et al. **Res Vet Sci** 1985 Mar;38(2):234-40

Pathological and virological studies of experimental parvoviral enteritis in calves. Durham PJ, et al. **Res Vet Sci** 1985 Mar;38(2):209-19

Exacerbation of experimental parvoviral enteritis in calves by coccidia and weaning stress. Durham PJ, et al. **Res Vet Sci** 1985 Jul;39(1):16-23

Comparison of the blastogenic response of peripheral blood lymphocytes from canine parvovirus-positive and -negative outbred dogs. Olsen CG, et al. **Vet Immunol Immunopathol** 1984 Jul;6(3-4):285-90

Pathogenesis of canine parvovirus enteritis: the importance of viremia. Meunier PC, et al. **Vet Pathol** 1985 Jan; 22(1):60-71

Experimental viral myocarditis: parvoviral infection of neonatal pups. Meunier PC, et al. **Vet Pathol** 1984 Sep; 21(5):509-15

Canine parvovirus enteritis 1: Clinical, haematological and pathological features of experimental infection. Macartney L, et al. **Vet Rec** 1984 Sep 1;115(9):201-10

Canine parvovirus enteritis 2: Pathogenesis. Macartney L, et al. **Vet Rec** 1984 Nov 3;115(18):453-60

Canine parvovirus enteritis 3: Scanning electron microscopical features of experimental infection. Macartney L, et al. **Vet Rec** 1984 Nov 24;115(21):533-7

Parvovirus and reduced fertility: no link [letter] Thompson H, et al. **Vet Rec** 1985 Apr 6;116(14):378

Porcine parvovirus infection in boars: II. Influence on fertility. Bonte P, et al. **Zentralbl Veterinarmed [B]** 1984 Jun;31(5):391-5

The use of tissue culture for routine diagnosis of canine parvovirus infection. Frost JW, et al. **Zentralbl Veterinarmed** [B] 1984 Sep;31(8):623-6

[Parvovirus infection in pigs: incidence and prevention. The Diessen Group Veterinarian Practice] **Tijdschr Diergeneeskd** 1984 Oct 15;109(20):805-14 (Eng. Abstr.) **(Dut)**

[Rapid serological diagnosis of parvovirus infection in dogs. Fluorescent serological demonstration of virus-specific IgM antibodies] Maess J. **Tierarztl Prax** 1984;12(3):427-30 (Eng. Abstr.) **(Ger)**

[Determination of antibodies against adeno-associated viruses in the hen using ELISA] Schwarzmaier J, et al. **Zentralbl Veterinarmed** [B] 1984 Dec;31(10):770-8 (Eng. Abstr.) **(Ger)**

[Occurrence of porcine parvovirus infection in Switzerland and a new method of virus demonstration using immune electron microscopy] Zanoni RG, et al. **Zentralbl Veterinarmed** [B] 1984 Dec;31(10):729-42 (Eng. Abstr.) **(Ger)**

[First description of an outbreak of acute canine hemorrhagic gastroenteritis in Costa Rica] Hernández F, et al. **Rev Latinoam Microbiol** 1984 Jan-Mar;26(1):27-38 (Eng. Abstr.) **(Spa)**

PASSIVE-AGGRESSIVE PERSONALITY DISORDER see under **PERSONALITY DISORDERS**

PASSIVE ANTIBODY TRANSFER see **IMMUNIZATION, PASSIVE**

PASSIVE CUTANEOUS ANAPHYLAXIS

The topical effects of Wy-41,195 [2-cyano-3-(methylamino)phenylamino] oxoacetic acid, sodium salt and disodium cromoglycate in the rat passive eyelid anaphylaxis. Carlson RP, et al. **Int Arch Allergy Appl Immunol** 1985;76(1):89-90

Pyrido[3',2':4,5]thieno[3,2-d]-N-triazines: a new series of orally active antiallergic agents. Youssefyeh RD, et al. **J Med Chem** 1984 Dec;27(12):1639-43

Bovine homocytotropic antibody in the sera of cattle resistant to infestation with Rhipicephalus appendiculatus. Binta MG, et al. **Vet Res Commun** 1984 Nov;8(4):269-74

['In vivo' immunologic and compound 48-80 degranulation of cutaneous rat mast cells] Gisbert M, et al. **Arch Farmacol Toxicol** 1984 Apr;10(1):39-44 (Eng. Abstr.) **(Spa)**

[Passive cutaneous anaphylaxis in Sprague-Dawley rats] Gisbert M, et al. **Arch Farmacol Toxicol** 1984 Apr; 10(1):31-8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Antiallergic activity of some indazole derivatives. Beyer B, et al. **Acta Cient Venez** 1984;35(2):103-6

Inhibition by drugs of passive cutaneous anaphylaxis-induced skin histamine decrease. Yokoyama H, et al. **Acta Med Okayama** 1984 Aug;38(4):357-65

Comparative study of etidronate and SR 41319, a new diphosphonate, on passive cutaneous anaphylaxis and phospholipase A2 activity. Barbier A, et al. **Agents Actions** 1985 Mar;16(1-2):41-2

Transport abnormalities during intestinal anaphylaxis in the rat: effect of antiallergic agents. Perdue MH, et al. **J Allergy Clin Immunol** 1985 Sep;76(3):498-503

Synthesis and antiallergic activities of 1,3-oxazolo[4,5-h]quinolines. Musser JH, et al. **J Med Chem** 1985 Sep;28(9):1255-9

Studies on antianaphylactic agents. 7. Synthesis of antiallergic 5-oxo-5H-[1]benzopyrano[2,3-b]pyridines. Nohara A, et al. **J Med Chem** 1985 May;28(5):559-68

Inhibition of immediate hypersensitivity reaction by a new drug, RU-31156. Koda A, et al. **J Pharmacol** 1984 Jul-Sep; 15(3):353-73

[The percutaneous effect of a heparin-allantoin-dexpanthenol combination in a specific ointment base. Anti-allergic, anti-inflammatory effect in the PCA test in the rat] Rudolph C, et al. **Arzneimittelforsch** 1984;34(12):1766-8 (Eng. Abstr.) **(Ger)**

[Asthmatic children and Chinese medicine. Scientific study of shoseiryuto and saibokuto] Umesato Y, et al. **Arerugi** 1984 Dec;33(12):1047-52 (Eng. Abstr.) **(Jpn)**

PASSIVE TRANSFER OF IMMUNITY see **IMMUNIZATION, PASSIVE**

PASTES see **OINTMENTS**

PASTEURELLA

Characterization of dermonecrotic toxin produced by serotype D strains of Pasteurella multocida. Nakai T, et al. **Am J Vet Res** 1984 Nov;45(11):2410-3

Effects of different bacterial endotoxins on the drinking behaviour of the rat. Foca' A, et al. **G Batteriol Virol Immunol** 1984 Jan-Jun;77(1-6):9-18

ANALYSIS

Intracellular locations of dermonecrotic toxins in Pasteurella multocida and in Bordetella bronchiseptica. Nakai T, et al. **Am J Vet Res** 1985 Apr;46(4):870-4

Purification of dermonecrotic toxin from a sonic extract of Pasteurella multocida SP-72 serotype D. Nakai T, et al. **Infect Immun** 1984 Nov;46(2):429-34

CLASSIFICATION

Pasteurella haemolytica bacteriophage: identification, partial characterization, and relationship of temperate bacteriophages from isolates of Pasteurella haemolytica (biotype A, serotype 1). Richards AB, et al. **Am J Vet Res** 1985 May;46(5):1215-20

Serologic analysis of isolates of Pasteurella haemolytica and Staphylococcus aureus from mastitic ewes. Shoop DS, et al. **Am J Vet Res** 1984 Oct;45(10):1944-6

Characterization of Pasteurella species isolated from lungs of calves with pneumonia. Madsen EB, et al. **Can J Comp Med** 1985 Jan;49(1):63-7

Comparison of indirect hemagglutination and rapid plate agglutination tests with counterimmunoelectrophoresis for typing Pasteurella haemolytica. Chengappa MM, et al. **J Clin Microbiol** 1984 Oct;20(4):660-3

Studies on strains of Pasteurella haemolytica not typable by the indirect haemagglutination test. Donachie W, et al. **Res Vet Sci** 1984 Sep;37(2):188-93

[Identification of the causative agent of pasteurellosis] Semiotrochev VL, et al. **Lab Delo** 1985;(5):309-10 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Effect of iron on Pasteurella multocida] Flossmann KD, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Oct; 258(1):80-93 (Eng. Abstr.) **(Ger)**

GENETICS

Resistance plasmids of Pasteurella multocida isolated from turkeys. Hirsh DC, et al. **Am J Vet Res** 1985 Jul; 46(7):1490-3

[Genotypic studies of the causative agents of hemorrhagic necrotizing pleuropneumonia in swine] Kielstein P, et al. **Zentralbl Veterinarmed** [B] 1985 Feb;32(2):93-100 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Effect of vaccination with live or killed Pasteurella haemolytica on resistance to experimental bovine pneumonic pasteurellosis. Confer AW, et al. **Am J Vet Res** 1985 Feb;46(2):342-7

Effect of prior natural exposure to Pasteurella haemolytica on resistance to experimental bovine pneumonic pasteurellosis. Confer AW, et al. **Am J Vet Res** 1984 Dec; 45(12):2622-4

Bovine pneumonic pasteurellosis: effect of culture age of Pasteurella haemolytica used as a live vaccine. Confer AW, et al. **Am J Vet Res** 1984 Dec;45(12):2543-5

Serum and colostrum antibody to Pasteurella species in dairy cattle. Gresham CN, et al. **Am J Vet Res** 1984 Nov; 45(11):2227-30

Bovine pneumonic pasteurellosis: effect of vaccination with live Pasteurella species. Panciera RJ, et al. **Am J Vet Res** 1984 Dec;45(12):2538-42

Protection of chickens by ribosomal vaccines from Pasteurella multocida: dependence on homologous lipopolysaccharide. Phillips M, et al. **Am J Vet Res** 1984 Sep;45(9):1785-9

Hemorrhagic septicemia: naturally acquired antibodies against Pasteurella multocida types B and E in calves in the United States. Sawada T, et al. **Am J Vet Res** 1985 Jun;46(6):1247-50

Protection of ducklings with a broth-grown Pasteurella anatipestifer bacterin. Layton HW, et al. **Avian Dis** 1984 Jul-Sep;28(3):718-26

Efficacy of broth-grown Pasteurella multocida bacterins in ducklings. Layton HW. **Avian Dis** 1984 Oct-Dec; 28(4):1086-95

Safety testing of Pasteurella multocida vaccines and bacterins in turkeys. Nervig RM, et al. **Avian Dis** 1985 Jan-Mar; 29(1):256-7

Comparisons of serologic responses of white Leghorn and New Hampshire red chickens to purified lipopolysaccharides of Pasteurella multocida. Rimler RB. **Avian Dis** 1984 Oct-Dec;28(4):984-9

Laboratory and field trials with formalin-inactivated Escherichia coli (O78)-Pasteurella anatipestifer bacterin in white pekin ducks. Sandhu TS, et al. **Avian Dis** 1985 Jan-Mar;29(1):128-35

Comparison of serological techniques to measure antibody to Pasteurella haemolytica A1. Filion LG, et al. **Can J Comp Med** 1985 Jan;49(1):99-103

Pasteurella multocida infection in the domestic rabbit: immunization with a streptomycin-dependent mutant. Percy DH, et al. **Can J Comp Med** 1985 Apr;49(2):227-30

The effect of formalin-killing of Pasteurella multocida on the antigenicity and extractability of its lipopolysaccharide. Rebers PA, et al. **Carbohydr Res** 1984 Oct 1;133(1):83-94

Protection of rabbits against experimental pasteurellosis by vaccination with a potassium thiocyanate extract of Pasteurella multocida. Ringler DH, et al. **Infect Immun** 1985 Sep;49(3):498-504

Serological analysis of five serotypes of Pasteurella multocida of rabbit origin by use of an enzyme-linked immunosorbent assay with lipopolysaccharide as antigen. Cary CJ, et al. **J Clin Microbiol** 1984 Aug;20(2):191-4

Enzyme-linked immunosorbent assay for immunoglobulin G antibody to Pasteurella multocida in rabbits. Klaassen JM, et al. **J Clin Microbiol** 1985 Apr;21(4):617-21

Purification, characterization and immunological properties of the serotype-specific capsular polysaccharide of Pasteurella haemolytica (serotype T4) organisms. Adlam C, et al. **J Gen Microbiol** 1985 Feb;131 (Pt 2):387-94

Purification, characterization and immunological properties of the serotype-specific capsular polysaccharide of Pasteurella haemolytica (serotype A1) organisms. Adlam C, et al. **J Gen Microbiol** 1984 Sep;130 (Pt 9):2415-26

Formulation of an effective Pasteurella multocida vaccine for sheep. Cameron CM, et al. **Onderstepoort J Vet Res** 1984 Sep;51(3):189-91

Factors affecting the immunogenicity of Pasteurella haemolytica in mice. Cameron CM, et al. **Onderstepoort J Vet Res** 1984 Jun;51(2):97-102

Serum neutralization of cytotoxin from Pasteurella haemolytica, serotype 1 and resistance to experimental bovine pneumonic pasteurellosis. Gentry MJ, et al. **Vet Immunol Immunopathol** 1985 Jul;9(3):239-50

A protective antigen for turkeys purified froma type 1 strain of Pasteurella multocida. Kajikawa O, et al. **Vet Microbiol** 1984 Dec;10(1):43-55

ISOLATION & PURIFICATION

Comparative investigations of Pasteurella haemolytica sensu stricto and so-called P. haemolytica isolated from different pathological lesions in pigs. Bisgaard M. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Aug; 92(4):201-7

Septic shock due to Pasteurella hemolytica. Bitterman H, et al. **Isr J Med Sci** 1985 Apr;21(4):397-8

Pasteurella multocida infections in West Suffolk. Fell HW. **J Infect** 1984 Jul;9(1):83-6

Selective medium for the isolation of P multocida and B bronchiseptica [letter] de Jong MF, et al. **Vet Rec** 1985 Feb 9;116(6):167

[Biochemical tests for identifying Pasteurella multocida] Karaivanov L. **Vet Med Nauki** 1984;21(9):38-44 (Eng. Abstr.) **(Bul)**

[Prospective study of the presence of atrophic rhinitis and AR-pathogenic Bordetella bronchiseptica and Pasteurella multocida bacteria in piglets of health-certified pig-breeding farms] de Jong MF. **Tijdschr Diergeneeskd** 1985 Jun 15;110(12):473-87 (Eng. Abstr.) **(Dut)**

[An autopsied case of Pasteurella multocida empyema with review of the literature] Unoki T, et al. **Kansenshogaku Zasshi** 1984 Jul;58(7):703-8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Evidence for the Pasteurella haemolytica cytotoxin as a product of actively growing bacteria. Shewen PE, et al. **Am J Vet Res** 1985 May;46(5):1212-4

A test in vero cell monolayers for toxin production by strains of Pasteurella multocida isolated from pigs suspected of having atrophic rhinitis. Pennings AM, et al. **Vet Microbiol** 1984 Sep;9(5):503-8

[Metabolism of free amino acid in strains of Pasteurella multocida and their division into biological types] Karaivanov L, et al. **Vet Med Nauki** 1984;21(7-8):38-43 (Eng. Abstr.) **(Bul)**

PATHOGENICITY

Bovine pneumonic pasteurellosis: model for Pasteurella haemolytica- and Pasteurella multocida-induced pneumonia in cattle. Panciera RJ, et al. **Am J Vet Res** 1984 Dec;45(12):2532-7

Pneumonia in calves produced with aerosols of Pasteurella multocida alone and in combination with bovine herpesvirus 1. Jericho KW, et al. **Can J Comp Med** 1985 Apr;49(2):138-44

Atrophic rhinitis in swine: correlation of Pasteurella multocida pathogenicity with membrane protein and lipopolysaccharide patterns. Lugtenberg B, et al. **Infect Immun** 1984 Oct;46(1):48-54

Susceptibility of specific pathogen-free lambs to concentrations of Pasteurella haemolytica serotype A2 in aerosols. Gilmour NJ, et al. **Res Vet Sci** 1984 Nov;37(3):374-5

Experimental pneumonia in conventionally reared and gnotobiotic calves by dual infection with Mycoplasma bovis and Pasteurella haemolytica. Gourlay RN, et al. **Res Vet Sci** 1985 May;38(3):377-82

Investigations into the possible role of Mycoplasma arginini in ovine respiratory disease. Jones GE, et al. **Res Vet Sci** 1985 May;38(3):368-72

PHYSIOLOGY

Production of superoxide anion by bovine pulmonary macrophages challenged with soluble and particulate stimuli. Dyer RM, et al. **Am J Vet Res** 1985 Feb;46(2):336-41

ULTRASTRUCTURE

Morphology of Pasteurella multocida bacteriophages. Ackermann HW, et al. **Can J Microbiol** 1984 Sep;30(9):1141-8

Electronmicroscopy of the surface of Pasteurella haemolytica. Gilmour NJ, et al. **J Med Microbiol** 1985 Feb;19(1):25-34

PASTEURELLA INFECTIONS

Pasteurella multocida: bilateral septic knee joint prostheses from a distant cat bite. Orton DW, et al. **Ann Emerg Med** 1984 Nov;13(11):1065-7

Opportunistic pasteurella multocida meningitis. Permezel JM, et al. **J Laryngol Otol** 1984 Sep;98(9):939-40

Acute meningoencephalomyelitis in a rabbit infected with Pasteurella multocida. Murray KA, et al. **Lab Anim Sci** 1985 Apr;35(2):169-71

Neonatal septicemia and meningitis due to Pasteurella multocida. Thompson CM Jr, et al. **Pediatr Infect Dis** 1984 Nov-Dec;3(6):559-61

COMPLICATIONS

Pasteurella multocida septicemia and peritonitis in a patient with cirrhosis: case report and review of the literature. Vakil N, et al. **Am J Gastroenterol** 1985 Jul;80(7):565-8

DIAGNOSIS

Mixed pleural space infection due to Pasteurella pneumotropica and Peptococcus magnus. Chokkavelu V. **W Va Med J** 1984 Oct;80(10):217-8

ETIOLOGY

The possible role of stress in the induction of pneumonic pasteurellosis. Filion LG, et al. **Can J Comp Med** 1984 Jul;48(3):268-74

The dog that bit the hand that led it. Latham R. **Hosp Pract [Off]** 1985 Jan 30;20(1A):62

Serious Pasteurella multocida infections from lion and tiger bites. Burdge DR, et al. **JAMA** 1985 Jun 14;253(22):3296-7

Experimental production of bovine pneumonic pasteurellosis. Gibbs HA, et al. **Res Vet Sci** 1984 Sep;37(2):154-66

[Pasteurella multocida septicemia disclosing acute disseminated erythematosus lupus] Bertrand G, et al. **Rev Med Interne** 1984 Nov;5(4):354-5 **(Fre)**

IMMUNOLOGY

Effect of vaccination with live or killed Pasteurella haemolytica on resistance to experimental bovine pneumonic pasteurellosis. Confer AW, et al. **Am J Vet Res** 1985 Feb;46(2):342-7

Bovine pneumonic pasteurellosis: effect of culture age of Pasteurella haemolytica used as a live vaccine. Confer AW, et al. **Am J Vet Res** 1984 Dec;45(12):2543-5

Effect of prior natural exposure to Pasteurella haemolytica on resistance to experimental bovine pneumonic pasteurellosis. Confer AW, et al. **Am J Vet Res** 1984 Dec;45(12):2622-4

Bovine pneumonic pasteurellosis: effect of vaccination with live Pasteurella species. Panciera RJ, et al. **Am J Vet Res** 1984 Dec;45(12):2538-42

PATHOLOGY

Bovine pneumonic pasteurellosis: model for Pasteurella haemolytica- and Pasteurella multocida-induced pneumonia in cattle. Panciera RJ, et al. **Am J Vet Res** 1984 Dec;45(12):2532-7

PREVENTION & CONTROL

Protection of rabbits against experimental pasteurellosis by vaccination with a potassium thiocyanate extract of Pasteurella multocida. Ringler DH, et al. **Infect Immun** 1985 Sep;49(3):498-504

THERAPY

[Pasteurella multocida septicemia associated with pleuritis and pericarditis] Unoki T, et al. **Kansenshogaku Zasshi** 1984 Apr;58(4):327-32 (Eng. Abstr.) **(Jpn)**

TRANSMISSION

Pasteurella multocida prosthetic joint infection [letter] Mellors JW, et al. **Ann Emerg Med** 1985 Jun;14(6):617

Pasteurella multocida in an infected tiger bite. Woolfrey BF, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):744-6

Pasteurella multocida infections in West Suffolk. Fell HW. **J Infect** 1984 Jul;9(1):83-6

VETERINARY

Comparative investigations of Pasteurella haemolytica sensu stricto and so-called P. haemolytica isolated from different pathological lesions in pigs. Bisgaard M. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Aug;92(4):201-7

Effects of experimentally induced Pasteurella haemolytica pneumonia on the pharmacokinetics of erythromycin in the calf. Burrows GE. **Am J Vet Res** 1985 Apr;46(4):798-803

Effect of hydrocortisone on circulating lymphocyte numbers and their mitogen-induced blastogenesis in lambs. Collins MT, et al. **Am J Vet Res** 1985 Apr;46(4):836-40

Bovine pneumonic pasteurellosis: effect of culture age of Pasteurella haemolytica used as a live vaccine. Confer AW, et al. **Am J Vet Res** 1984 Dec;45(12):2543-5

Effect of prior natural exposure to Pasteurella haemolytica on resistance to experimental bovine pneumonic pasteurellosis. Confer AW, et al. **Am J Vet Res** 1984 Dec;45(12):2622-4

Bovine pneumonic pasteurellosis: effect of vaccination with live Pasteurella species. Panciera RJ, et al. **Am J Vet Res** 1984 Dec;45(12):2538-42

Bovine pneumonic pasteurellosis: model for Pasteurella haemolytica- and Pasteurella multocida-induced pneumonia in cattle. Panciera RJ, et al. **Am J Vet Res** 1984 Dec;45(12):2532-7

Protection of chickens by ribosomal vaccines from Pasteurella multocida: dependence on homologous lipopolysaccharide. Phillips M, et al. **Am J Vet Res** 1984 Sep;45(9):1785-9

Comparison of the pneumopathogenicity of two strains of bovine viral diarrhea virus. Potgieter LN, et al. **Am J Vet Res** 1985 Jan;46(1):151-3

Serologic analysis of isolates of Pasteurella haemolytica and Staphylococcus aureus from mastitic ewes. Shoop DS, et al. **Am J Vet Res** 1984 Oct;45(10):1944-6

Interactions of cold stress and Pasteurella haemolytica in the pathogenesis of pneumonic pasteurellosis in calves: method of induction and hematologic and pathologic changes. Slocombe RF, et al. **Am J Vet Res** 1984 Sep;45(9):1757-63

Interactions of cold stress and Pasteurella haemolytica in the pathogenesis of pneumonic pasteurellosis in calves: changes in pulmonary function. Slocombe RF, et al. **Am J Vet Res** 1984 Sep;45(9):1764-70

Experimental reproduction of septicemic pasteurellosis in feedlot lambs: bacteriologic and pathologic examinations. Suàrez-Güémes F, et al. **Am J Vet Res** 1985 Jan;46(1):193-201

Atypical Pasteurella haemolytica type A from poultry. Addo PB, et al. **Avian Dis** 1985 Jan-Mar;29(1):214-7

Protection of ducklings with a broth-grown Pasteurella anatipestifer bacterin. Layton HW, et al. **Avian Dis** 1984 Jul-Sep;28(3):718-26

Efficacy of broth-grown Pasteurella multocida bacterins in ducklings. Layton HW. **Avian Dis** 1984 Oct-Dec;28(4):1086-95

Possible genetic variation in resistance of turkeys to erysipelas and fowl cholera. Saif YM, et al. **Avian Dis** 1984 Jul-Sep;28(3):770-3

Laboratory and field trials with formalin-inactivated Escherichia coli (O78)-Pasteurella anatipestifer bacterin in white pekin ducks. Sandhu TS, et al. **Avian Dis** 1985 Jan-Mar;29(1):128-35

The possible role of stress in the induction of pneumonic pasteurellosis. Filion LG, et al. **Can J Comp Med** 1984 Jul;48(3):268-74

Characterization of Pasteurella species isolated from lungs of calves with pneumonia. Madsen EB, et al. **Can J Comp Med** 1985 Jan;49(1):63-7

Pasteurella multocida infection in the domestic rabbit: immunization with a streptomycin-dependent mutant. Percy DH, et al. **Can J Comp Med** 1985 Apr;49(2):227-30

Atrophic rhinitis in swine: correlation of Pasteurella multocida pathogenicity with membrane protein and lipopolysaccharide patterns. Lugtenberg B, et al. **Infect Immun** 1984 Oct;46(1):48-54

Suppurative osteomyelitis in the foot of a rabbit. Liebenberg SP, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1382

Bacterial septicemias in two psittacine birds. Panigrahy B, et al. **J Am Vet Med Assoc** 1985 May 1;186(9):983-4

Isolation of toxigenic strains of Pasteurella multocida from lungs of pneumonic swine. Pijoan C, et al. **J Am Vet Med Assoc** 1984 Sep 1;185(5):522-3

Head tilt in rabbits caused by pasteurellosis and encephalitozoonosis. Kunstýř I, et al. **Lab Anim** 1985 Jul;19(3):208-13

Influence of vaccination of sows with Bordetella-Pasteurella vaccines on the occurrence of atrophic rhinitis among their offspring after experimental infection with Bordetella bronchiseptica and toxigenic Pasteurella multocida. Barfod K, et al. **Nord Vet Med** 1984 Nov-Dec;36(11):337-45

Formulation of an effective Pasteurella multocida vaccine for sheep. Cameron CM, et al. **Onderstepoort J Vet Res** 1984 Sep;51(3):189-91

Experimental production of bovine pneumonic pasteurellosis. Gibbs HA, et al. **Res Vet Sci** 1984 Sep;37(2):154-66

Susceptibility of specific pathogen-free lambs to concentrations of Pasteurella haemolytica serotype A2 in aerosols. Gilmour NJ, et al. **Res Vet Sci** 1984 Nov;37(3):374-5

Serum neutralization of cytotoxin from Pasteurella haemolytica, serotype 1 and resistance to experimental bovine pneumonic pasteurellosis. Gentry MJ, et al. **Vet Immunol Immunopathol** 1985 Jul;9(3):239-50

Experimental infection of sheep with Mycoplasma ovipneumoniae and Pasteurella haemolytica. Buddle BM, et al. **Vet Microbiol** 1984 Oct;9(6):543-8

A protective antigen for turkeys purified froma type 1 strain of Pasteurella multocida. Kajikawa O, et al. **Vet Microbiol** 1984 Dec;10(1):43-55

Epidemiological study of Pasteurella multocida and Bordetella bronchiseptica in atrophic rhinitis. Rutter JM, et al. **Vet Rec** 1984 Dec 15;115(24):615-9

Lactate dehydrogenase isoenzymes in the lungs of sheep with acute and chronic pneumonia. Milne EM, et al. **Vet Res Commun** 1984 Aug;8(3):211-6

[The incidence and seasonal dynamics of yersinioses (Y. pseudotuberculosis, Y. enterocolitica), staphylococcoses and pasteurelloses in hares from 1976 to 1982] Stěrba F. **Vet Med (Praha)** 1985 Jun;30(6):359-72 (Eng. Abstr.) **(Cze)**

[Viral hemorrhagic septicemia in rainbow trout (Salmo gairdneri Rich.): effect of water temperature and body weight on mortality following experimental infection in water] Neukirch M. **Berl Munch Tierarztl Wochenschr** 1984 Sep 1;97(9):329-32 (Eng. Abstr.) **(Ger)**

[Effect of iron on Pasteurella multocida] Flossmann KD, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Oct;258(1):80-93 (Eng. Abstr.) **(Ger)**

[Genotypic studies of the causative agents of hemorrhagic necrotizing pleuropneumonia in swine] Kielstein P, et al. **Zentralbl Veterinarmed [B]** 1985 Feb;32(2):93-100 (Eng. Abstr.) **(Ger)**

PASTEURELLA PESTIS see **YERSINIA PESTIS**

PASTEURELLA TULARENSIS see **FRANCISELLA TULARENSIS**

PASTEURELLOSIS see **PASTEURELLA INFECTIONS**

PASTORAL CARE

Differences between pastoral counseling and psychotherapy. Bollinger RA. **Bull Menninger Clin** 1985 Jul;49(4):371-86

St. Joseph's memorial service: unique bereavement follow-up. VanderBent SD. **Dimens Health Serv** 1984 Nov;61(11):26, 39

When the doctor and the minister disagree. Commentary. Klar H. **Hastings Cent Rep** 1984 Dec;14(6):30-1

When the doctor and the minister disagree. Commentary. Weikart R. **Hastings Cent Rep** 1984 Dec;14(6):30-1

[The religious dimension of the palliative care unit] Paquin J. **Union Med Can** 1984 Nov;113(11):909-10 (Eng. Abstr.) **(Fre)**

PATCH TESTS see under **SKIN TESTS**

PATELLA

Intra-articular pressures and intraosseous pressure in the human knee and its implication for patello-femoral pain syndromes. An experimental study using simulated joint effusion. Hejgaard N. **Acta Orthop Belg** 1984;50(6):791-801

Ventralization of the tibial tubercle for patellar pain. Myrnerts R, et al. **Arch Orthop Trauma Surg** 1985;104(1):49-52

Current concepts of etiology and treatment of chondromalacia patellae. Bentley G, et al. **Clin Orthop** 1984 Oct;(189):209-28 (35 ref.)

Histologic evidence of retinacular nerve injury associated with patellofemoral malalignment. Fulkerson JP, et al. **Clin Orthop** 1985 Jul-Aug;(197):196-205

NEWARK PUBLIC LIBRARY

Complications of Variable Axis total knee arthroplasty. Webster DA, et al. **Clin Orthop** 1985 Mar;(193):160-7

Osteosarcoma of the patella in a dog. Thacher C, et al. **J Am Vet Med Assoc** 1985 Jul 15;187(2):165-7

The relationship between crimp pattern and mechanical response of human patellar tendon-bone units. Stouffer DC, et al. **J Biomech Eng** 1985 May;107(2):158-65

The natural history of anterior knee pain in adolescents. Sandow MJ, et al. **J Bone Joint Surg [Br]** 1985 Jan; 67(1):36-8

Persistent congenital isolation of the suprapatellar pouch mimicking patellofemoral disease. Elmer RM. **J Pediatr Orthop** 1984 Sep;4(5):623-4

Excessive lateral pressure as a cause of patello-femoral pain syndrome. Osborne AH, et al. **J R Nav Med Serv** 1985 Summer;71(2):81-5

Chondromalacia patellae [editorial] **Lancet** 1985 Mar 9; 1(8428):558-9

Chondromalacia patellae [letter] Villar RN. **Lancet** 1985 Apr 6;1(8432):813

Aneurysmal bone cysts of the patella secondary to chondroblastoma. Case reports. Gottschalk FA, et al. **S Afr Med J** 1985 Jan 19;67(3):105-6

[Is it possible to diagnose idiopathic chondropathia patellae using radiologic methods?] Kaufmann J, et al. **ROFO** 1984 Oct;141(4):422-6 (Eng. Abstr.) **(Ger)**

[Luxation of the patella and femoro-patellar dysplasia--causality in statutory accident insurance (letter)] Rütt A. **Unfallchirurg** 1985 Mar;88(3):149-50 **(Ger)**

[Significance of the splitting of the lateral patellar retinaculum and the mediopatellar synovial fold in the surgical therapy of patellar chondromalacia] Hille E, et al. **Z Orthop** 1985 Jan-Feb;123(1):23-6 (Eng. Abstr.) **(Ger)**

[Surgical treatment of retropatellar cartilage lesions] Benedetto KP. **Z Unfallchir Versicherungsmed Berufskr** 1984;77(3):157-62 **(Ger)**

[2 cases of giant cell tumors of the patella] Baldini N, et al. **Chir Organi Mov** 1984;69(3):271-3 (Eng. Abstr.) **(Ita)**

[Stress-induced changes in the knee joint in men working in a kneeling position] Popko J, et al. **Med Pr** 1984; 35(4):305-8 (Eng. Abstr.) **(Pol)**

[Osteochondropathy of the accessory apical nucleus of ossification of the lower pole of the patella] Nikitin MN, et al. **Ortop Travmatol Protez** 1985 Feb;(2):44-5 **(Rus)**

[Giant cell tumor of the patella] Pozdnukhov LG, et al. **Ortop Travmatol Protez** 1984 Oct;(10):47-8 **(Rus)**

[Diagnosis and surgical treatment of patellar chondropathy] Tsippel' Kh, et al. **Ortop Travmatol Protez** 1984 Sep; (9):60-6 **(Rus)**

ABNORMALITIES

Down's syndrome associated with absent patellae: a case report. Krishna Murthy DS, et al. **Indian J Pediatr** 1984 Nov-Dec;51(413):729-31

Radiographic identification of charred human remains through use of the dorsal defect of the patella. Riddick L, et al. **J Forensic Sci** 1983 Jan;28(1):263-7

ANATOMY & HISTOLOGY

Patellar forces during knee extension. Nisell R, et al. **Scand J Rehabil Med** 1985;17(2):63-74

EMBRYOLOGY

Formation of the femoropatellar part of the human knee joint. Doskočil M. **Folia Morphol (Praha)** 1985;33(1):38-47

INJURIES

Distal patellar pole fractures. A proposed common mechanism of injury. Heckman JD, et al. **Am J Sports Med** 1984 Nov-Dec;12(6):424-8

Patellar and quadriceps tendon ruptures--jumper's knee. Kelly DW, et al. **Am J Sports Med** 1984 Sep-Oct; 12(5):375-80

Avulsion fracture involving the body of the patella. Hughes AW. **Br J Sports Med** 1985 Jun;19(2):119-20

Treatment of fractures of the patella with percutaneous suture. Ma YZ, et al. **Clin Orthop** 1984 Dec;(191):235-41

Superior dislocation of the patella. Hanspal RS. **Injury** 1985 Jul;16(7):487-8

Fractured patella: operative treatment using the tension band principle. Hung LK, et al. **Injury** 1985 Mar;16(5):343-7

Surgical management of proximal articular fracture of the patella in a horse. Colbern GT, et al. **J Am Vet Med Assoc** 1984 Sep 1;185(5):543-5

Trochlear recession for correction of luxating patella in the dog. Slocum B, et al. **J Am Vet Med Assoc** 1985 Feb 15; 186(4):365-9

Recurrent dislocation of the patella treated by the modified Roux-Goldthwait procedure. A prospective study of forty-seven knees. Fondren FB, et al. **J Bone Joint Surg [Am]** 1985 Sep;67(7):993-1005

Rupture of the quadriceps tendon following dislocation of the patella. Case report. Naver L, et al. **J Bone Joint Surg [Am]** 1985 Feb;67(2):324-5

Results of surgical treatment of patellar fractures. Levack B, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):416-9

Lateral longitudinal stress fracture of the patella: report of three cases. Iwaya T, et al. **J Pediatr Orthop** 1985 Jan-Feb; 5(1):73-5

Osteochondral fractures of the patella. A method of fixation. Rees D, et al. **J R Coll Surg Edinb** 1985 Apr;30(2):88-90

Acute traumatic dislocations of the patella. Jensen CM, et al. **J Trauma** 1985 Feb;25(2):160-2

Chronic knee pain in the athlete. Murray J. **Pediatr Ann** 1984 Aug;13(8):613-5, 618-9, 621

[Use of a patellar holder for patellar fractures] Jin HB. **Chung Hua Wai Ko Tsa Chih** 1984 Jan;22(1):27-30, 62 (Eng. Abstr.) **(Chi)**

[Bilateral rupture of the knee extensor mechanism in a patient with rheumatoid arthritis] Hansen SL, et al. **Ugeskr Laeger** 1984 Aug 6;146(32):2403-4 (Eng. Abstr.) **(Dan)**

[Congenital luxation of the patella associated with ball-and-socket deformity of the ankle] Aguirre MC, et al. **Acta Orthop Belg** 1984 Sep-Oct;50(5):712-6 (Eng. Abstr.) **(Fre)**

[Functional treatment method following patellar dislocations] Scharf W, et al. **Unfallchirurgie** 1984 Dec;10(6):309-12 (Eng. Abstr.) **(Ger)**

[Simultaneous bilateral comminuted patellar fracture] Ferencz J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(2):167-70 (Eng. Abstr.) **(Hun)**

[Patellectomy in femoral-rotular fractures and arthrosis] Poli G. **Chir Organi Mov** 1982-83;68(4-6):581-8 (Eng. Abstr.) **(Ita)**

[Biochemical evaluation of fixation of patellar fractures by wire traction] Hryniewiecki T, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(1):19-21 (Eng. Abstr.) **(Pol)**

[Patellectomy as an effective method for the treatment of multi-fragment fractures of the patella] Malejka T, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(5):479-81 (Eng. Abstr.) **(Pol)**

[Effectiveness of surgical treatment of recurrent lateral dislocation of the patella] Radziejowski M, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(1):23-6 (Eng. Abstr.) **(Pol)**

[Periarticular and intra-articular fractures of the knee joint in middle-aged and aged patients] Imamaliev AS, et al. **Ortop Travmatol Protez** 1984 Dec;(12):37-43 **(Rus)**

[Method of surgical treatment for habitual dislocation of the patella] Mironov SP, et al. **Ortop Travmatol Protez** 1985 Feb;(2):55-6 **(Rus)**

[Lateral hyperpressive syndrome of the patella] Selivanov VP. **Ortop Travmatol Protez** 1984 Jul;(7):23-8 (Eng. Abstr.) **(Rus)**

[Method of treating patellar fractures] Vinogradova TD, et al. **Voen Med Zh** 1985 Mar;(3):50-2 **(Rus)**

METABOLISM

Lectin-binding in normal and fibrillated articular cartilage of human patellae. Schünke M, et al. **Virchows Arch [A]** 1985;407(2):221-31

PATHOLOGY

Megapatella following a rupture of patellar tendon. A case report. Vainionpää S, et al. **Am J Sports Med** 1985 May-Jun;13(3):204-5

[Changes in the patellar articular facet in Blauth's endoprosthetic substitution of the knee joint. Histological and roentgenological studies of 3 patellas] Koebke J, et al. **Z Orthop** 1985 Jan-Feb;123(1):107-9 (Eng. Abstr.) **(Ger)**

[Patellar chondropathy. Pathology, clinical course, therapy] Salacz T, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1984; 27(4):268-78 (Eng. Abstr.) **(Hun)**

[Chondropathy of the patella] Szilágyi I, et al. **Morphol Igazsagugyi Orv Sz** 1985 Apr;25(2):148-54 (Eng. Abstr.) **(Hun)**

PHYSIOLOGY

A study of quadriceps excursion, torque, and the effect of patellectomy on cadaver knees. Wendt PP, et al. **J Bone Joint Surg [Am]** 1985 Jun;67(5):726-32

Advancement of the tibial tuberosity. A biomechanical study. Nakamura N, et al. **J Bone Joint Surg [Br]** 1985 Mar; 67(2):255-60

[Patellar constraint] Maquet P. **Acta Orthop Belg** 1984; 50(6):729-42 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Patellofemoral function in total condylar knee arthroplasty. Sneppen O, et al. **Int Orthop** 1985;9(1):65-8

[Locked knee caused by synovial plicae] Højlund AP, et al. **Ugeskr Laeger** 1984 Aug 6;146(32):2404-5 (Eng. Abstr.) **(Dan)**

[Knee disorders in sportsmen: treatment possibilities using correction of statics] Biedert R, et al. **Schweiz Z Sportmed** 1984 Sep;32(3):91-4 (Eng. Abstr.) **(Ger)**

[Bloodless treatment of patellar instability; author's experience] Villa I, et al. **Chir Ital** 1982 Jun;34(3):483-91 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Fragmentation of the proximal pole of the patella. Another manifestation of juvenile traction osteochondritis? Batten J, et al. **J Bone Joint Surg [Br]** 1985 Mar;67(2):249-51

Avulsion of the distal pole of the patella in cerebral palsy. A cause of deteriorating gait. Lloyd-Roberts GC, et al. **J Bone Joint Surg [Br]** 1985 Mar;67(2):252-4

[Noninvasive diagnosis of patellar chondromalacia] Friedrich JM, et al. **J Radiol** 1985 Apr;66(4):275-81 (Eng. Abstr.) **(Fre)**

[Normal findings and pathological changes of the patellar ligament in the computer tomogram] Lehner K, et al. **Digitale Bilddiagn** 1985 Jun;5(2):85-8 (Eng. Abstr.) **(Ger)**

[Does Osgood-Schlatter disease modify the position of the patella?] von Gumppenberg S, et al. **Z Orthop** 1984 Nov-Dec;122(6):798-802 (Eng. Abstr.) **(Ger)**

[Combination of arthrography and computerized tomography in the study of the femoro-patellar joint] Riboldi A. **Radiol Med (Torino)** 1984 Jan-Feb;70(1-2):16-9 (Eng. Abstr.) **(Ita)**

[Roentgenographic and experimental studies of the patella alta] Shimakawa T. **Nippon Seikeigeka Gakkai Zasshi** 1984 Sep;58(9):907-18 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[Scintigraphic research on patellar changes after endoprosthetic replacement of the knee joint] Hagena FW, et al. **ROFO** 1985 Apr;142(4):436-40 (Eng. Abstr.) **(Ger)**

SURGERY

Anterior advancement of the tibial tuberosity in the treatment of the patellofemoral pain syndrome. Karlsson J, et al. **Arch Orthop Trauma Surg** 1985;103(6):392-5

Injury to articular cartilage joint surfaces. I. Chondral injury produced by patellar shaving: a histopathologic study of human tissue specimens. Milgram JW. **Clin Orthop** 1985 Jan-Feb;(192):168-73

Osteotomy of the patella in the patellofemoral pain syndrome. The significance of increased intraosseous pressure during sustained knee flexion. Hejgaard N, et al. **Int Orthop** 1984; 8(3):189-94

Replacement of the patello-femoral joint with the total condylar knee arthroplasty. Ranawat CS, et al. **Int Orthop** 1984;8(1):61-5

Rupture of the patellar ligament after use of its central third for anterior cruciate reconstruction. A report of two cases. Bonamo JJ, et al. **J Bone Joint Surg [Am]** 1984 Oct; 66(8):1294-7

A rare case of chondroblastoma patella in a jumping athlete. Fadel RJ. **J Ky Med Assoc** 1985 Mar;83(3):133-5

The Maquet principle. Anterior displacement of the tibial tubercle in the treatment of patellofemoral disorders: radiologic appearance. Levine RB, et al. **Skeletal Radiol** 1985;13(4):291-4

[Patellectomy with preservation of the leverage and continuity of the extensor system in patellar chondropathy] de la Caffinière JY, et al. **Rev Chir Orthop** 1984; 70(5):389-96 (Eng. Abstr.) **(Fre)**

[Management of degenerative changes in the femoro-patellar joint] Kiss I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1985; 28(3):177-90 (Eng. Abstr.) **(Hun)**

[Operations for the pathologic mediopatellar fold of the knee joint with the aid of an arthroscope] Ushakova OA, et al. **Ortop Travmatol Protez** 1985 Feb;(2):45-7 **(Rus)**

TRANSPLANTATION

Autogenous patella as replacement for a resected femoral or tibial condyle. A report on 19 cases. Campanacci M, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):557-63

PATENCY, VASCULAR GRAFT see **GRAFT OCCLUSION, VASCULAR**

PATENT MEDICINES see **DRUGS, NON-PRESCRIPTION**

PATENTS

Do the perils of patenting outweigh the plusses? [letter] Robertson JA. **Hastings Cent Rep** 1985 Feb;15(1):48

View from the Nation's Capitol. Romansky MA. **J Clin Psychopharmacol** 1982 Aug;2(4):289-90

US speeds scrutiny and consent [news] Budiansky S. **Nature** 1985 Feb 28-Mar 6;313(6005):728

[Patent protection for living matter] Vossius V. **Naturwissenschaften** 1984 Nov;71(11):552-9 (Eng. Abstr.) **(Ger)**

[Methods of study of the nervous system described in recent patent materials] Antonova KP, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):59-62 **(Rus)**

[New diagnostic methods in cardiology (a review of patent information 1974-1981)] Kassin VIu, et al. **Kardiologiia** 1985 Mar;25(3):121-3 (18 ref.) **(Rus)**

[Analysis of inventions related to the tuberculosis and pathology of the respiratory organs] Matusevich VG, et al. **Probl Tuberk** 1985;(3):60-3 (4 ref.) **(Rus)**

[Enzymes as a subject of invention] Bondarenko NG, et al. **Ukr Biokhim Zh** 1984 Sep-Oct;56(5):587-92 (Eng. Abstr.) **(Rus)**

[Characteristics of the structure and formation of a Soviet information system with regard to documents on patents in medicine] Matusevich VG, et al. **Vrach Delo** 1985 Apr;

(4):112-5 **(Rus)**

[Isolation of protective antigenic fractions from bacteria of the intestinal group: a review of foreign patents] Ivanov VM. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jan;(1):14-9 (18 ref.) **(Rus)**

[Determination of prospective trends and the performing of a patent search in the field of biotechnology using the structural analysis method] Smirnova GA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jan;(1):3-8 **(Rus)**

HISTORY

The psycograph: scientific character analyst. Senior JE. **Med Instrum** 1985 May-Jun;19(3):143-5

LEGISLATION & JURISPRUDENCE

Repercussions of the Drug Price Competition and Patent Term Restoration Act of 1984. Hogan GF. **Am J Hosp Pharm** 1985 Apr;42(4):849-51

Genetic engineering patents. Contest in prospect over interferon rights [news] Beardsley T. **Nature** 1985 Mar 21-27;314(6008):207

US patents: dying Congress aids innovation [news] Beardsley T. **Nature** 1984 Oct 18-24;311(5987):595

Pacemakers and patents [editorial] Furman S. **PACE** 1985 Jul;8(4):475

The patent system and cardiac pacing: is the system serving its users? Preston AW Jr, et al. **PACE** 1985 Jul;8(4):476-83

Ownership of inventions from federally funded research. Karny GM. **Recomb DNA Tech Bull** 1984 Sep;7(3):125-9

[Organizational and methodological problems of the protection of medical inventions] Pyzhev SV. **Sov Med** 1984;(10):65-7 **(Rus)**

[Status and outlook for the legal protection of biological objects] Bondarenko NG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jan;(1):8-14 (13 ref.) **(Rus)**

PATERNAL AGE

Paternal-age and birth-order effect on the human secondary sex ratio. Ruder A. **Am J Hum Genet** 1985 Mar;37(2):362-72

Parental age and unbalanced Robertsonian translocations associated with Down syndrome and Patau syndrome: comparison with maternal and paternal age effects for 47, +21 and 47, +13. Hook EB. **Ann Hum Genet** 1984 Oct;48 (Pt 4):313-25

Parental age and birth order effects in children with febrile convulsions. Tay JS, et al. **Eur J Pediatr** 1985 May;144(1):88-9

An aetiological study of 290 XXY males, with special reference to the role of paternal age. Carothers AD, et al. **Hum Genet** 1984;68(3):248-53

Influence of birth rank and parental age on congenital and colobomatous defects (a clinical investigation). Dutta LC, et al. **Indian J Ophthalmol** 1984 Mar-Apr;32(2):81-4

Parental age, parity and sex ratio in births in England and Wales, 1968-77. James WH, et al. **J Biosoc Sci** 1985 Jan;17(1):47-56

[Normogram for the evaluation of risk of couples for Down's syndrome] Fabris C, et al. **Minerva Pediatr** 1985 Jan 31;37(1-2):53-7 (Eng. Abstr.) **(Ita)**

[Analysis of the relation of the frequency of new gene mutations for Mendelian diseases to parental age] Bazhenova MD, et al. **Genetika (Moskva)** 1984 Oct;20(10):1726-32 (Eng. Abstr.) **(Rus)**

PATERNAL BEHAVIOR

Response of male and female Siberian hamsters towards pups. Gibber JR, et al. **Behav Neural Biol** 1984 Nov;42(2):177-82

Paternal behavior in the spiny mouse (Acomys cahirinus). Makin JW, et al. **Behav Neural Biol** 1984 Jul;41(2):135-51

Linking family hardship to children's lives. Elder GH Jr, et al. **Child Dev** 1985 Apr;56(2):361-75

Plasma prolactin levels in parental male rats: effects of increased pup stimuli. Tate-Ostroff B, et al. **Horm Behav** 1985 Jun;19(2):220-6

Incidence of pup killing and parental behavior in virgin female and male rats (Rattus norvegicus): differences between Wistar and Sprague-Dawley stocks. Jakubowski M, et al. **J Comp Psychol** 1985 Mar;99(1):93-7

A definition for paternalism. Hershey PT. **J Med Philos** 1985 May;10(2):171-82

Transition from pup killing to parental behavior in male and virgin female albino rats. Jakubowski M, et al. **Physiol Behav** 1985 May;34(5):683-6

Time-contingent change in infanticide and parental behavior induced by ejaculation in male mice. vom Saal FS. **Physiol Behav** 1985 Jan;34(1):7-15

PATERNAL DEPRIVATION

Effects of parent loss: interaction with family size and sibling order. Sklar AD, et al. **Am J Psychiatry** 1985 Jun;142(6):708-14

Early parental separation and adult depression. Roy A. **Arch Gen Psychiatry** 1985 Oct;42(10):987-91

Fathers absent and present. Adams PL. **Can J Psychiatry** 1984 Apr;29(3):228-33

Paternal absence and its effect on adolescent self-esteem. Miller TW. **Int J Soc Psychiatry** 1984 Winter;30(4):293-6

Parental death and depression. Barnes GE, et al. **J Abnorm Psychol** 1985 Feb;94(1):64-9

Psychological health of young adults who experienced early parent death: MMPI trends. Dietrich DR. **J Clin Psychol** 1984 Jul;40(4):901-8

Hyperprolactinemia in women with paternal deprivation during childhood. Sobrinho LG, et al. **Obstet Gynecol** 1984 Oct;64(4):465-8

Empathy in orphaned children. Kalliopuska M. **Psychol Rep** 1984 Aug;55(1):12-4

[Evolution of children hospitalized at the Bercail for a pathologic behavioral structure, a consequence of abandonment or early affective deprivation] Bergier J. **Rev Med Suisse Romande** 1985 May;105(5):455-64 **(Fre)**

PATERNITY

Paternity exclusion analysis and its applications to studies of nonhuman primates. Smith DG, et al. **Adv Vet Sci Comp Med** 1984;28:1-24 (99 ref.)

The probability of exclusion of ancestries based on genetic observations. Darlu P, et al. **Am J Hum Genet** 1985 May;37(3):581-90

Paternity testing with genetic markers: are Y-linked genes more efficient than autosomal ones? Chakraborty R. **Am J Med Genet** 1985 Jun;21(2):297-305

Paternity testing. 2: Likelihood ratio tests. Kaiser L, et al. **Am J Med Genet** 1985 Feb;20(2):209-19

Usefulness of lymphocyte typing to exclude incorrectly assigned paternity in horses. Bailey E. **Am J Vet Res** 1984 Oct;45(10):1976-8

Electrophoresis improves accuracy of paternity testing. **Anal Chem** 1985 Apr;57(4):532A, 534A

Acquired paternal influence in mice. Altered serum antibody response in the progeny population of immunized CBA/H males. Steele EJ. **Aust J Exp Biol Med Sci** 1984 Jun;62 (Pt 3):253-68

How to select a satisfying typing program for paternity testing. Nijenhuis LE. **Forensic Sci Int** 1984 Aug;25(4):245-53

On the positive identification of paternity. Majumder PP. **Hum Hered** 1984;34(4):261-2

On the positive identification of paternity. Nei M. **Hum Hered** 1984;34(4):258-60

Paternity index and attribution of paternity. Valentin J. **Hum Hered** 1984;34(4):255-7

Influence of paternal immunity on idiotype expression of offspring. Cooper-Willis CA, et al. **Immunogenetics** 1985;21(1):1-10

Guidelines for reporting estimates of probability of paternity. Council on Scientific Affairs. **JAMA** 1985 Jun 14;253(22):3298

Usefulness of the leukocyte HLA groups in paternity confirmation and exclusion. Ota M, et al. **Nippon Hoigaku Zasshi** 1984 Dec;38(6):773-7

The A1B genotype expressed as A2B on the red cells of individuals with strong B gene-specific transferases. Results from two paternity cases. Fredrick J, et al. **Transfusion** 1985 Jan-Feb;25(1):30-3

rG. Potential pitfall in parentage testing. Schornack JL, et al. **Transfusion** 1985 May-Jun;25(3):270-3

Haptoglobin subtypes in Berlin, GDR. A simple procedure for haptoglobin purification and subtyping. Patzelt D, et al. **Z Rechtsmed** 1985;94(3):207-12

Plasminogen (PLG): a useful genetic marker for paternity examinations. Weidinger S, et al. **Z Rechtsmed** 1985;94(3):165-71

[The elimination of a man from paternity on the basis of the HLA system in a family study] Májský A. **Cas Lek Cesk** 1985 Jul 12;124(28):884 (Eng. Abstr.) **(Cze)**

[Reliability of HLA typing. Analysis based on the results of repeated testing in paternity disputes] Májský A. **Vnitr Lek** 1984 Sep;30(9):877-83 (Eng. Abstr.) **(Cze)**

[Medicolegal serology and its applications] Brandt-Casadevall C. **Rev Med Suisse Romande** 1984 Nov;104(11):897-902 **(Fre)**

[Erythrocytic enzyme groups in paternity studies evaluated according to Genevese appraisals from 1974 to 1983] Fryc O. **Rev Med Suisse Romande** 1984 Nov;104(11):903-6 **(Fre)**

[Risky artificial paternity. Legal aspects of in vitro fertilization suggest caution for physicians in the use of these technics] Krautkrämer H. **Fortschr Med** 1984 Nov 22;102(43):80-1 **(Ger)**

[Experience with the Duffy blood group system] Hölgyéné VZ, et al. **Morphol Igazsagugyi Orv Sz** 1985 Apr;25(2):134-7 (Eng. Abstr.) **(Hun)**

[Symposium II: Problems in paternity testing] **Nippon Hoigaku Zasshi** 1984 Oct;38(5):508-25 **(Jpn)**

[Status of and means for improving expertise in disputed paternity] Tomilin VV, et al. **Sud Med Ekspert** 1985 Apr-Jun;28(2):29-32 (Eng. Abstr.) **(Rus)**

[Problems and dilemmas in the testing of genetic characteristics of the blood for the purpose of determining disputed paternity (forensic hemogenetics)] Gligorovic VN, et al. **Bilt Hematol Transfuz** 1984;12(2):65-74 (Eng. Abstr.) **(Scr)**

[Sensitivity of 6 genetic markers for the identification of illegitimacy in Mexico City] Armendares S, et al. **Rev Invest Clin** 1985 Jan-Mar;37(1):27-30 (Eng. Abstr.) **(Spa)**

PATHOLOGY

H. P. Smith Memorial Award lecture: challenges and opportunities for pathologists in the 1980s. Henry JB. **Am J Clin Pathol** 1985 Jun;83(6):661-8

Civility among colleagues should be reciprocal. Ackerman AB. **Am J Dermatopathol** 1985 Apr;7(2):188

International cooperation in dermatology and dermatopathology. Some personal experiences. Baer RL. **Am J Dermatopathol** 1985 Feb;7(1):95-7

What is the liability of a general pathologist who acts as a dermatopathologist? Grossman SZ. **Am J Dermatopathol** 1984 Summer;6 Suppl:158

Poor biopsy technique: an obstacle course for the general pathologist [letter] Hayes MM. **Am J Dermatopathol** 1984 Aug;6(4):414

College of American Pathologists Laboratory Improvement Programs [editorial] Langdell RD. **Arch Pathol Lab Med** 1984 Dec;108(12):947-8

Enter the pathologist/clinician [editorial] Sbarbaro JA. **Chest** 1984 Dec;86(6):805

Pathologist's role in product-related deaths. Wecht CH. **Clin Lab Med** 1984 Sep;4(3):627-36 (28 ref.)

Microcomputer applications in pathology research. Donoso LA, et al. **Comput Biomed Res** 1985 Jun;18(3):244-53

Cost containment and professional incomes. Hill RB, et al. **Hum Pathol** 1985 May;16(5):436-8

Dermatologists should read their own slides [letter] Spigel GT. **Int J Dermatol** 1985 Jan-Feb;24(1):66

Frozen sections [letter] **JAMA** 1985 Jan 25;253(4):511-3

Ultrastructural study of the faces of diseases. Reyes MG, et al. **Mt Sinai J Med (NY)** 1984 Dec;51(6):714-5

The practice of pathology in Lincoln, Nebraska. Shapiro RF. **Pathol Annu** 1984;19 Pt 2:331-45

Morphometry in pathology: another look at diagnostic histopathology. Collan Y. **Pathol Res Pract** 1984 Nov;179(2):189-92

The role of the pathologist in the surgical treatment of hyperparathyroidism. Saxe AW, et al. **Surg Gynecol Obstet** 1985 Aug;161(2):101-5

System and disease: on the fundamental problem of theoretical pathology. Hucklenbroich P. **Theor Med** 1984 Oct;5(3):307-23

Operating room consultation by the pathologist. Levin HS. **Urol Clin North Am** 1985 Aug;12(3):549-56

[Pathological anatomy in family practice] Steffelaar JW. **Ned Tijdschr Geneeskd** 1985 May 25;129(21):979-82 **(Dut)**

[Risk of cancer caused by formaldehyde. Viewpoint of the German Society for Pathology and the German Pathologists Association] Bässler R, et al. **Pathologe** 1985 Jan;6(1):1-2 **(Ger)**

[Causes of death of pathologists--the possible effect of formaldehyde] Brunner P, et al. **Pathologe** 1985 Jan;6(1):43-5 **(Ger)**

[The state of pathology and the pathologist today and in the near future (a proposal for improvement) (letter)] Cseh I Jr.. **Orv Hetil** 1985 Feb 24;126(8):491 **(Hun)**

[Theoretical concepts of modern pathology (a critique of their medical philosophical foundations)] Strukov AI, et al. **Arkh Patol** 1985;47(4):3-14 (Eng. Abstr.) **(Rus)**

[Forensic pathology] González-Angulo A, et al. **Gac Med Mex** 1983 Feb;119(2):55-71 **(Spa)**

CLASSIFICATION

Different modes of cell death and related phenomena: a proposal for a meaningful terminology in relation to tests of lethality. Wolman M. **J Theor Biol** 1985 May 21;114(2):343-50

EDUCATION

First national in-service examination for pathology residents. Lockard WT Jr, et al. **Am J Clin Pathol** 1985 Jan;83(1):1-6

Endoscopic training in the academic GI program. Program Directors Workshop, March 29 and 30, 1984, Atlanta, Georgia. How the GI pathologist can interact best with the GI trainee. Yardley JH, et al. **Gastrointest Endosc** 1984 Dec;30(6):368-71

Curriculum guidelines for pathology and oral pathology. **J Dent Educ** 1985 Aug;49(8):599-606

[Potentials for using an equipment unit for demonstrating slides of micropreparations with their synchronous description in a department of pathological anatomy] Dikshtein EA, et al. **Arkh Patol** 1985;47(1):58-60 **(Rus)**

HISTORY

Pierre Masson: his influence on the teaching of pathology in Canada. Rheault MJ. **Can J Surg** 1985 Sep;28(5):456-7

A pathologist goes to war: the Prior's papers. Paper II. Vella EE. **J R Army Med Corps** 1984 Oct;130(3):164-77

The continuity of Titu Vasiliu's School of Pathology in Cluj-Napoca. Căluşer I. **Morphol Embryol (Bucur)** 1985 Apr-Jun;31(2):107-9

Morgagni and the first steps of a European pathology. A brief historical report. Giordano A. **Pathol Res Pract** 1984 Jul;178(6):642-3

Yesterday and today. Potter EL. **Pediatr Pathol** 1983 Jan-Mar;1(1):1-3

[History of the Institute for General and Experimental

NEWARK PUBLIC LIBRAR

Pathology of the University in Vienna] Wyklicky H. **Wien Klin Wochenschr** 1985 Apr 12;97(8):346-9 (Eng. Abstr.) **(Ger)**

[From the Rudolf Virchow collection of pathologic anatomic specimens at the Charité: 6 urinary bladder calculi from the year 1729] Krietsch P, et al. **Zentralbl Allg Pathol** 1985; 130(2):143-7 (Eng. Abstr.) **(Ger)**

[125th anniversary of the Department of Pathological Anatomy of the S. M. Kirov Military Medical Academy] Ageev AK. **Arkh Patol** 1985;47(1):82-6 **(Rus)**

[Centenary of the world's 1st chair for the postgraduate training of pathologicoanatomists (1885-1985)] Simbirtsev SA, et al. **Arkh Patol** 1984;46(12):3-12 (Eng. Abstr.) **(Rus)**

[On the 40th anniversary of victory in World War II (Soviet pathophysiology and pathophysiologists during World War II)] Fedorov BM. **Patol Fiziol Eksp Ter** 1985 Mar-Apr; (2):3-8 **(Rus)**

INSTRUMENTATION

X-ray microanalysis. Problem solving in surgical pathology. Terzakis JA. **Pathol Annu** 1985;20 Pt 2:59-81

[A macrotome for the sampling of frozen or fixated tissues] Levame M, et al. **Ann Pathol** 1984 Sep-Nov;4(4):317-8 (Eng. Abstr.) **(Fre)**

[Use of computers at the Pathologic Institute. Report of experiences] Rupp W. **Pathologe** 1984 May;5(3):119-27 **(Ger)**

[General basic concepts of computer technology] Rupp W. **Pathologe** 1984 May;5(3):115-8 **(Ger)**

MANPOWER

Manpower needs and supply in academic pathology. Smith RD, et al. **Arch Pathol Lab Med** 1985 Oct;109(10):889-93

Pathology manpower [letter] Bruton D. **NZ Med J** 1985 May 8;98(778):352

Characteristics of the distribution of emigrant Indian radiologists, pathologists and anesthesiologists in the United States. Baker SR, et al. **Soc Sci Med** 1984;19(8):885-91

METHODS

Monoclonal antibodies and 'routine' paraffin sections. Taylor CR. **Arch Pathol Lab Med** 1985 Feb;109(2):115-6

Status of anatomic pathology data management systems. Ulirsch RC. **Arch Pathol Lab Med** 1984 Nov;108(11):884-7

A weighted index of bilateral brain lesions. Hodos W, et al. **J Neurosci Methods** 1984 Nov;12(1):43-7

The use and disuse of morphometry in the diagnosis of endometrial hyperplasia and carcinoma. Baak JP. **Pathol Res Pract** 1984 Sep;179(1):20-3

Basic points in and practical aspects of the application of diagnostic morphometry. **Baak JP. Pathol Res Pract** 1984 Nov;179(2):193-9

Histomorphometry of spherical tumors using holoptical cross-sections. Fischer HP. **Virchows Arch [A]** 1985; 405(2):277-84

[Aspects and contribution of the collaboration between plastic surgery and anatomo-pathology] Wechsler J. **Ann Chir Plast Esthet** 1984;29(4):330-8 (Eng. Abstr.) **(Fre)**

[Use of immunocytochemistry in practical diagnosis by the pathologist. Areas of use--methods--cost planning] Seifert G, et al. **Pathologe** 1984 Jul;5(4):187-99 **(Ger)**

[Parameters of analytic morphometry: proposal for a symmetry evaluator] Pesce Delfino V, et al. **Boll Soc Ital Biol Sper** 1985 Feb 28;61(2):235-41 (Eng. Abstr.) **(Ita)**

[Device for measured compression of the intestine] Tashbekov FB. **Khirurgiia (Mosk)** 1984 Aug;(8):132-3 **(Rus)**

[Use of laboratory methods in medico-legal examination of the cadaver] Panov IE, et al. **Sud Med Ekspert** 1984 Jul-Sep;27(3):3-7 (Eng. Abstr.) **(Rus)**

STANDARDS

Inter-observer variation between pathologists in the classification of cutaneous malignant melanoma in western Australia. Heenan PJ, et al. **Histopathology** 1984 Sep; 8(5):717-29

The pathologist in the courtroom: peer review is needed. Ackerman AB. **Hum Pathol** 1985 Aug;16(8):761-2

TRENDS

From 'descriptive'to 'dynamic' dermatopathology. Lever WF. **J Cutan Pathol** 1984 Dec;11(6):467-70

Pathology at the crossroads. Johannessen JV. **Pathol Res Pract** 1985 Jul;180(1):107-11

The future of tumor pathology. Invited paper. IXth European Congress of Pathology September 1983. Pontén J. **Pathol Res Pract** 1984 Nov;179(2):267-9

Perinatal pathologist as skeptical inquirer. Silverman WA. **Pediatr Pathol** 1983 Jan-Mar;1(1):5-6

[Current status and the tasks of Soviet pathophysiology] Kryzhanovskii GN. **Patol Fiziol Eksp Ter** 1985 Jan-Feb; (1):3-9 **(Rus)**

PATHOLOGY, CLINICAL

Use of microcomputer for anatomic pathology data [letter] Oliver WR, et al. **Arch Pathol Lab Med** 1985 Jan; 109(1):9-10

Pathology laboratories, management, and the future: fact or fantasy? A glimpse into a crystal ball. Pennington GW. **Br Med J [Clin Res]** 1984 Dec 15;289(6459):1706-7

When is a test diagnostic? [editorial] Wagner BM. **Hum Pathol** 1985 Apr;16(4):325

Expert systems as aids for interpretive reporting. Smith JW Jr, et al. **J Med Syst** 1984 Oct;8(5):373-88

[A example of the operation of laboratory system by BASIC programming] Fukuda T. **Rinsho Byori** 1985 Jan; 33(1):59-68 **(Jpn)**

[Practical use of a personal computer network system in laboratory medicine] Matsuda N, et al. **Rinsho Byori** 1985 Jan;33(1):51-8 (24 ref.) **(Jpn)**

[Microcomputer-assisted interpretive reporting with analysis of multiphasic laboratory measurements in clinical chemistry] Matsuda N, et al. **Rinsho Byori** 1984 Jun; 32(6):606-12 (14 ref.) **(Jpn)**

[Some problems associated with the clinical laboratory computer system] Miura H, et al. **Rinsho Byori** 1984 Dec; 32(12):1333-8 **(Jpn)**

[Laboratory data processing by a microcomputer] Mukojima T. **Rinsho Byori** 1985 Jan;33(1):11-8 **(Jpn)**

[Utilization of computers in the clinical laboratory] Takahashi M, et al. **Rinsho Byori** 1984 Dec;32(12):1339-43 **(Jpn)**

EDUCATION

[Clinician-oriented and cytology-oriented autopsy. III. The pancreas] Niwayama G. **Gan To Kagaku Ryoho** 1985 Sep; 12(9):1885-94 (Eng. Abstr.) **(Jpn)**

HISTORY

[The history of diagnostic cytology. By Pier Franco Paci. 1966] **Pathologica** 1984 Nov-Dec;76(1046):756-62 **(Ita)**

[Clinical pathology in the past 30 years] Ishii T. **Rinsho Byori** 1984 May;32(5):484-9 **(Jpn)**

INSTRUMENTATION

[Trends in designing of instruments for emergency clinical examination] Takahara K. **Nippon Rinsho** 1984 Sep; 42(9):2166-83 (20 ref.) **(Jpn)**

METHODS

Stabilized binary hierarchic classifier in cytopathologic diagnosis. Bartels HG, et al. **Anal Quant Cytol** 1984 Dec; 6(4):247-61

The use of cationic polyelectrolytes in the preparation of cell monolayers for automated cell scanning and diagnostic cytopathology. Watts KC, et al. **Anal Quant Cytol** 1984 Dec;6(4):272-8

Staging for cancer. New developments and importance to pathology. Henson DE. **Arch Pathol Lab Med** 1985 Jan; 109(1):13-6

Surgical pathology accessioning and management on a multiuser hard disk microcomputer system. Talamo TS, et al. **Arch Pathol Lab Med** 1985 Jan;109(1):19-23

A comparison of alternative arrangements for an out-of-hours chemical pathology service. Morgan DB, et al. **Lancet** 1985 Apr 13;1(8433):859-61

A fast method for processing biopsy material for electron microscopy. Baic D, et al. **Ultrastruct Pathol** 1984; 6(4):347-9

[Recent progress in enzyme technology in laboratory medicine] Kohsaka A. **Rinsho Byori** 1984 Sep;32(9):929-36 (22 ref.) **(Jpn)**

[Problems in interpreting biochemical data—a method for detecting the clerical mismatch of clinical samples] Koresawa S, et al. **Rinsho Byori** 1984 Jun;32(6):599-605 **(Jpn)**

[Technics of image analysis and their application in pathologic anatomy] Moragas A. **Med Clin (Barc)** 1984 Sep 29;83(9):373-6 **(Spa)**

STANDARDS

Clinical responsiveness to laboratory results. Durbridge TC. **Am J Clin Pathol** 1984 Dec;82(6):725-9

SI units: one step closer. Lehmann HP, et al. **Am J Clin Pathol** 1985 Apr;83(4):536-7

Accuracy of participant results utilized as target values in the CAP Chemistry Survey Program. Hartmann AE, et al. **Arch Pathol Lab Med** 1985 Oct;109(10):894-903

[Age-related changes and sex-differences in the clinical reference values--analysis of 19 tests in clinical chemistry] Nishida T, et al. **Rinsho Byori** 1984 Nov;32(11):1263-70 **(Jpn)**

TRENDS

Historical perspectives in pathology and laboratory medicine. McLendon WW. **Arch Pathol Lab Med** 1985 Jul; 109(7):602-3

Pathology laboratories, management, and the future [letter] Farr AD. **Br Med J [Clin Res]** 1985 Feb 2;290(6465):397

Clinical laboratory--past, present, and future: an opinion. Hardwick DF, et al. **Hum Pathol** 1985 Mar;16(3):206-11

[Some problems in the practice of clinical pathology] Kuwashima M. **Rinsho Byori** 1984 May;32(5):475-9 **(Jpn)**

[Clinical pathology and its future] Mori M. **Rinsho Byori** 1984 May;32(5):480-3 **(Jpn)**

[Specialization of clinical pathology] Totani M. **Rinsho Byori** 1984 May;32(5):470-4 **(Jpn)**

[The current status and future of the clinical examination in Japan] Yamasaki S. **Rinsho Byori** 1985 Jan;33(1):43-5 **(Jpn)**

[Pathomorphology as a profession] Jaegermann K. **Patol Pol** 1984 Jul-Sep;35(3):371-81 **(Pol)**

[Pathomorphology among various medical sciences] Stachura J, et al. **Patol Pol** 1984 Jul-Sep;35(3):365-9 **(Pol)**

[Past, present and future of Spanish pathologic anatomy (editorial)] Oliva H. **Med Clin (Barc)** 1984 Sep 22; 83(8):333-5 **(Spa)**

PATHOLOGY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

PATHOLOGY, ORAL

A survey of oral pathology biopsy services in Canadian dental schools. Priddy RW. **Can Dent Assoc J** 1984 Nov; 50(11):829-32

EDUCATION

Curriculum guidelines for pathology and oral pathology. **J Dent Educ** 1985 Aug;49(8):599-606

An epoxy resin and silicone impregnation technique for the preservation of oral pathology teaching specimens. Aufdemorte TB, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):74-6

PATHOLOGY, SURGICAL

Surgical pathology computerization [letter] McDonough E, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):589-90

Electron microscopy in surgical pathology [letter] Wolfson WL. **Hum Pathol** 1985 Jun;16(6):650

HISTORY

Dr. Evarts Graham and surgical pathology. Ackerman LV. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 2):851-3

PATHOLOGY, VETERINARY

Changes and challenges in veterinary pathology. Shadduck JA. **Cornell Vet** 1985 Jan;75(1):77-85

PATIENT ACCEPTANCE OF HEALTH CARE

Patient motives and fulfillment of motives in renewal of complete dentures. Berg E, et al. **Acta Odontol Scand** 1984 Aug;42(4):235-40

Professional help use among black Americans: implications for unmet need. Neighbors HW. **Am J Community Psychol** 1984 Oct;12(5):551-66

The use of informal and formal help: four patterns of illness behavior in the black community. Neighbors HW, et al. **Am J Community Psychol** 1984 Dec;12(6):629-44

Japanese American response to psychological disorder: referral patterns, attitudes, and subjective norms. Uomoto JM, et al. **Am J Community Psychol** 1984 Oct;12(5):537-50

Fulfillment of therapeutic tasks as a precondition for acceptance in therapy. Omer H. **Am J Psychother** 1985 Apr;39(2):175-86

A simple language-based acculturation scale for Mexican Americans: validation and application to health care research. Deyo RA, et al. **Am J Public Health** 1985 Jan; 75(1):51-5

Facilitating patient acceptance of a psychiatric referral. Bursztajn H, et al. **Arch Intern Med** 1985 Jan;145(1):73-5

Wives know. Hardison JE. **Arch Intern Med** 1984 Oct; 144(10):2045

Do patients want to be informed? A study of consent for cardiac catheterisation. Fraser AG. **Br Heart J** 1984 Oct; 52(4):468-70

Development and application of criteria for classes of psychotherapy based on patients' requests for service. Wood WD, et al. **Br J Med Psychol** 1985 Mar;58 (Pt 1):45-54

An investigation into factors which may deter patients from undergoing orthodontic treatment. Gosney MB. **Br J Orthod** 1985 Jul;12(3):133-8

Rejection of catheters. Belfield PW, et al. **Br Med J [Clin Res]** 1985 Jul 13;291(6488):108-9

Respiratory consultations in asthmatic compared with non-asthmatic children in general practice. Levy M, et al. **Br Med J [Clin Res]** 1985 Jul 6;291(6487):29-30

Why do people seek treatment by alternative medicine? Moore J, et al. **Br Med J [Clin Res]** 1985 Jan 5; 290(6461):28-9

Patient use of a mixed appointment system in an urban practice. Taylor B. **Br Med J [Clin Res]** 1984 Nov 10; 289(6454):1277-8

Old people not known to the general practitioner: low risk group. Williams ES, et al. **Br Med J [Clin Res]** 1985 Jul 27;291(6490):251-4

Influenza vaccination in the elderly: 1. Determinants of acceptance. Frank JW, et al. **Can Med Assoc J** 1985 Feb 15;132(4):371-5

Factors related to patient delay in seeking medical attention for cutaneous malignant melanoma. Temoshok L, et al. **Cancer** 1984 Dec 15;54(12):3048-53

Use of services, care-seeking behavior and satisfaction among university dental clinic patients in Finland. Alvesalo I, et al. **Community Dent Oral Epidemiol** 1984 Oct;12(5):297-302

Stimulating dental attendance in the Netherlands: comparison of three conceptual frameworks. ter Horst G, et al. **Community Dent Oral Epidemiol** 1985 Jun;13(3):136-9

Explaining participation in programmes for the early detection of breast cancer. Calnan M. **Community Med** 1984 Aug;6(3):204-9

Serious illness and family dynamics. 1. Changes in consulting patterns of the unafflicted family members. van Eijk JT. **Fam Pract** 1985 Jun;2(2):61-9

Serious illness and family dynamics. 2. Changes in consulting patterns of the afflicted family members. van Eijk JT. **Fam Pract** 1985 Jun;2(2):70-5

Health service implications of folk healing among older Asian Americans and Hawaiians in Honolulu. Snyder P. **Gerontologist** 1984 Oct;24(5):471-6

Safety belt use and related health variables in a worksite health promotion program. Merrill BE, et al. **Health Educ Q** 1984 Summer;11(2):171-9

Seeking urgent pediatric treatment: factors contributing to frequency, delay, and appropriateness. Turk DC, et al. **Health Psychol** 1985;4(1):43-59

Factors affecting promptness of reporting in breast cancer patients. Duffy JE, et al. **Hygie** 1984 Sep;3(3):29-32

Maternalism: a sound concept in medicine. Justin RG. **Indiana Med** 1985 Feb;78(2):111-2

Acceptance of hepatitis B vaccine by hospital personnel Crossley KB, et al. **Infect Control** 1985 Apr;6(4):147-9

Factors which differentiate cocaine users in treatment from nontreatment users. Chitwood DD, et al. **Int J Addict** 1985 Mar;20(3):449-59

Choosing a dentist. **J Am Dent Assoc** 1985;Spec No:65-6

Seasonal variations in the process of care in urban general practice. Hallam L, et al. **J Epidemiol Community Health** 1985 Mar;39(1):90-3

Women who decline breast screening. Maclean U, et al. **J Epidemiol Community Health** 1984 Dec;38(4):278-83

Sex, marital status, and age as social selection factors in recent psychiatric treatment. Fox JW. **J Health Soc Behav** 1984 Dec;25(4):394-405

Attitudes of chiropractic patients: a preliminary survey of patients receiving care in a chiropractic teaching clinic. Sawyer CE, et al. **J Manipulative Physiol Ther** 1984 Sep;7(3):157-63

The elderly as underconsulters: a critical reappraisal. Ford G, et al. **J R Coll Gen Pract** 1985 May;35(274):244-7

The reactions of patients to a video camera in the consulting room. Martin E, et al. **J R Coll Gen Pract** 1984 Nov;34(268):607-10

Frequent attenders in general practice: medical, psychological and social characteristics. Westhead JN. **J R Coll Gen Pract** 1985 Jul;35(276):337-40

Consent and the young mother [letter] Cooper CE. **Lancet** 1985 Feb 9;1(8424):342

Consent to medical treatment by the mentally ill [letter] Poynton A. **Lancet** 1985 Feb 9;1(8424):342

Recruitment to breast cancer trials [letter] Stewart HJ, et al. **Lancet** 1984 Nov 10;2(8411):1096-7

A review of current approaches used to help children and parents cope with health care procedures. Hunsberger M, et al. **Matern Child Nurs J** 1984 Fall;13(3):145-65 (107 ref.)

What do patients value? Willingness to pay for ultrasound in normal pregnancy. Berwick DM, et al. **Med Care** 1985 Jul;23(7):881-93

What determines the start of prenatal care? Prenatal care, insurance, and education. Cooney JP. **Med Care** 1985 Aug;23(8):986-97

Patient predictors of hospice choice. Hospital versus home care programs. Mor V, et al. **Med Care** 1985 Sep;23(9):1115-9

Determining the market for nurse practitioner services: the New Haven experience. Shamansky SL, et al. **Nurs Res** 1985 Jul-Aug;34(4):242-7

Acceptance of nurse practitioners: patient behavioral indicators. Facione NW, et al. **Nurse Pract** 1985 Jan;10(1):54, 56-7

Psychological distress and children's use of health services. Lewis MA, et al. **Pediatr Ann** 1985 Aug;14(8):555-60

Parental and childhood resistance to therapy for eating disorders. Pauker N. **Pediatr Ann** 1984 Dec;13(12):892-3, 896-7

Comparative study of four antacids. Jacyna MR, et al. **Postgrad Med J** 1984 Sep;60(707):592-6

A teaching program for oncology patients considering and receiving hematoporphyrin sensitization and photoradiation. Olson EZ. **Prog Clin Biol Res** 1984;170:841-5

Food dreams and illness among Nigerians--a pilot study. Ilechukwu ST. **Psychiatr J Univ Ottawa** 1985 Jun;10(2):89-94

Motivation for treatment: a review with special emphasis on alcoholism. Miller WR. **Psychol Bull** 1985 Jul;98(1):84-107 (263 ref.)

Characteristics of family planning acceptors at a Primary Health Care Project in Lagos, Nigeria. Olukoya AA. **Public Health** 1985 Jan;99(1):37-44

Classification of reasons why persons seek primary care: pilot study of a new system. Lamberts H, et al. **Public Health Rep** 1984 Nov-Dec;99(6):597-605

Empirical test of the interaction model of client health behavior. Cox CL, et al. **Res Nurs Health** 1984 Dec;7(4):275-85

Explaining participation in programmes for the early detection of breast cancer: a comparative analysis. Calnan MW, et al. **Rev Epidemiol Sante Publique** 1984;32(6):376-82

The effect of a self-referral scheme on the pattern of hospital admissions for acute asthma. Forwell MA, et al. **Scott Med J** 1985 Jan;30(1):15-8

Perceptions of childhood diarrhoea and its treatment in rural Zimbabwe. de Zoysa I, et al. **Soc Sci Med** 1984;19(7):727-34

Menstrual symptoms, attitudes and consulting behaviour. Scambler A, et al. **Soc Sci Med** 1985;20(10):1065-8

Acceptance of effective contraceptive methods after induced abortion. Bulut A. **Stud Fam Plann** 1984 Nov-Dec;15(6 Pt 1):281-4

Noncompliance among oral contraceptive acceptors in rural Bangladesh. Seaton B. **Stud Fam Plann** 1985 Jan-Feb;16(1):52-9

Management of dental behaviour problems. A 5-year follow-up. Holst A, et al. **Swed Dent J** 1984;8(5):243-9

Survey of patients presenting to the government chest service in Hong Kong and the effects of active tuberculosis case-finding by publicity campaigns. Hong Kong Chest Service/British Medical Research Council. **Tubercle** 1984 Sep;65(3):173-84

[Bankruptcy of contraception?] Wibaut FP. **Ned Tijdschr Geneeskd** 1984 Dec 15;128(50):2349-53 **(Dut)**

[Dental caries and dental health behavior in 6-and-10-year-old children] Ruiken HM, et al. **Tijdschr Kindergeneeskd** 1985 Apr;53(2):60-6 (Eng. Abstr.) **(Dut)**

[Psychiatric emergency service in Tokyo: from the viewpoint of the help-seeking behavior of the family] Oshima I. **Seishin Shinkeigaku Zasshi** 1984;86(5):340-60 **(Jpn)**

[Changes in the utilization of health services in Warsaw 1970-1979 in relation to the health status of the population. I. Health and social characteristics] **Przegl Epidemiol** 1984;38(4):399-407 (Eng. Abstr.) **(Pol)**

PATIENT ADMISSION

Attempting to predict hospital admission in acute asthma. Ownby DR, et al. **Am J Dis Child** 1984 Nov;138(11):1062-6

Office hysteroscopy and suction curettage: can we eliminate the hospital diagnostic dilatation and curettage? Goldrath MH, et al. **Am J Obstet Gynecol** 1985 May 15;152(2):220-9

Medical patients aged 65 and over admitted to an accident and emergency department. Jenner GH. **Br Med J [Clin Res]** 1985 Jul 13;291(6488):113-4

Causes of malnutrition in Harare--a hospital case-control study. Waterston T, et al. **Cent Afr J Med** 1984 Jun;30(6):97-102

The effects of increased information on intake decision making in a rural mental health center. Howe HE Jr, et al. **Community Ment Health J** 1983 Fall;19(3):201-10

Diagnostic testing program saves time and money. Thomson L. **Dimens Health Serv** 1984 Aug;61(8):36-7

Violent or fear-inducing behavior associated with hospital admission. Rossi AM, et al. **Hosp Community Psychiatry** 1985 Jun;36(6):643-7

The need for hospitalization as perceived by emergency room patients and clinicians. Wood KA, et al. **Hosp Community Psychiatry** 1984 Aug;35(8):830-2

The use of hospital facilities in general practice: a survey. Powderly B, et al. **Ir Med J** 1984 Aug;77(8):256-7

Computer-generated admitting orders [letter] Darsey JE. **J Am Intraocul Implant Soc** 1984 Summer;10(3):357-8

Professional review organizations: PRO or con? Newman GL. **J Am Med Wom Assoc** 1985 Jul-Aug;40(4):123, 126

Berkson's bias revisited. Peritz E. **J Chronic Dis** 1984;37(12):909-16

Statistical modeling of clinical intake decisions. Greenblatt RL, et al. **J Clin Psychol** 1984 Nov;40(6):1528-37

Hospital admissions for pneumonia. A Kentucky Peer Review Organization study. Scott SR. **J Ky Med Assoc** 1985 Feb;83(2):73-4

Can ICUs be used more efficiently? Turley RM, et al. **J Nurs Adm** 1985 Jul-Aug;15(7-8):25-8

Increasing attendance in an outpatient alcoholism clinic: a comparison of two intake procedures. Olkin R, et al. **J Stud Alcohol** 1984 Sep;45(5):465-8

Poverty and the health of children [letter] **Lancet** 1984 Oct 6;2(8406):814

Geriatrics and admission policies [letter] Hoffbrand BI. **Lancet** 1985 Apr 27;1(8435):984

Geriatrics and admissions policies [letter] Rai GS. **Lancet** 1985 Jun 8;1(8441):1334-5

Clinical correlates of small area variations in population-based admission rates for diabetes. Connell FA, et al. **Med Care** 1984 Oct;22(10):939-49

Effects of random breath testing on hospital admissions of traffic-accident casualties in the Hunter Health Region. Hardes G, et al. **Med J Aust** 1985 Jun 10;142(12):625-6

Case-mix grouping and DRGs: making the principal diagnosis. Roberts RF, et al. **Med J Aust** 1985 Sep 16;143(6):243-5

Preadmission certification program. Akhter MN. **Mo Med** 1985 Feb;82(2):62-5

Predictive instrument to improve coronary-care-unit admission practices [letter] **N Engl J Med** 1984 Nov 8;311(19):1253-6

Admission to coronary care units. Ilsley C. **NZ Med J** 1985 May 22;98(779):380-2

Factors in the admission decision: skilled nursing facilities in New York State. Newman ES, et al. **QRB** 1985 May;11(5):143-9

Inpatient admissions for interventional radiology: philosophy of patient management. Kinnison ML, et al. **Radiology** 1985 Feb;154(2):349-51

The decline of New Orleans asthma epidemics. Goldstein IF, et al. **Rev Environ Health** 1984;4(2):133-46

The effect of a self-referral scheme on the pattern of hospital admissions for acute asthma. Forwell MA, et al. **Scott Med J** 1985 Jan;30(1):15-8

Inappropriate admissions to psychiatric wards. Alarcon RD, et al. **South Med J** 1985 Jul;78(7):827-32

Descriptive epidemiology of night sweats upon admission to a university hospital. Lea MJ, et al. **South Med J** 1985 Sep;78(9):1065-7

[The validation of diagnosis of manic-depressive disorder and reestimation of its admission rate] Yan SM. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Feb;18(1):50-2 (Eng. Abstr.) **(Chi)**

[The patients' experience of hospital admissions] Avnstorp C, et al. **Ugeskr Laeger** 1985 Jan 14;147(3):198-201 (Eng. Abstr.) **(Dan)**

[Admission to nursing homes for limited periods. An alternative to hospital admission] Jensen EG. **Ugeskr Laeger** 1984 Jun 25;146(26):1963-5 (Eng. Abstr.) **(Dan)**

[Do men and women see cardiologists and internists in equal numbers?] Vandenbroucke JP. **Ned Tijdschr Geneeskd** 1985 Mar 30;129(13):605-7 **(Dut)**

[Control of allocation through decision making on requests for care. Study of indications for nursing homes] Coolen JA, et al. **Tijdschr Gerontol Geriatr** 1985 Jun;16(3):97-108 (Eng. Abstr.) **(Dut)**

[Fate of nonadmitted patients in a psychiatric university clinic] Hirschmüller A, et al. **Psychiatr Prax** 1985 Mar;12(2):48-54 (Eng. Abstr.) **(Ger)**

[Psychotherapeutic-rehabilitative aspects in the guidance of psycho-organic patients in the 2d half of life within the scope of a psychiatric admission clinic] Nitzsche M. **Z Gesamte Hyg** 1984 Oct;30(10):571-2 (Eng. Abstr.) **(Ger)**

[Cooperation between primary health care providers and hospitals. A prospective study from the Surgical Department of the Ullevål Hospital, with special reference to hospitalization practices and procedures for surgical admissions] Buanes T, et al. **Tidsskr Nor Laegeforen** 1985 Feb 10;105(4):308-11 (Eng. Abstr.) **(Nor)**

[Home visiting and hospital admission rates] Rokkones T. **Tidsskr Nor Laegeforen** 1985 Feb 20;105(5):371-2 (Eng. Abstr.) **(Nor)**

ECONOMICS

Patient dumping: the ignoble face of American medicine. Korcok M. **Can Med Assoc J** 1985 May 1;132(9):1064-7, 1069-71

The financial effects of emergency department-generated admissions under prospective payment systems. Muñoz E, et al. **JAMA** 1985 Oct 4;254(13):1763-71

No insurance, no admission. Wrenn K. **N Engl J Med** 1985 Feb 7;312(6):373-4

[The general practitioner service and hospital admission rate] Rokkones T. **Tidsskr Nor Laegeforen** 1985 Feb 20;105(5):369-71 (Eng. Abstr.) **(Nor)**

LEGISLATION & JURISPRUDENCE

Economic and legal considerations in emergency care. Curran WJ. **N Engl J Med** 1985 Feb 7;312(6):374-5

TRENDS

Why are the mentally handicapped admitted to hospital? A ten-year survey. Carter G. **Br J Psychiatry** 1984 Sep;145:283-8

Admissions fall but margins are up in '84. Freko D. **Hospitals** 1985 May 1;59(9):70-2

Cross-cultural comparison: psychiatric admission of Asian and indigenous patients in Leicestershire. Shaikh A. **Int J Soc Psychiatry** 1985 Spring;31(1):3-11

Absence of seasonality in emergency hospital admissions for inflammatory bowel disease [letter] Don BA, et al. **Lancet** 1984 Nov 17;2(8412):1156-7

An intermediate care nursery at Christchurch Women's Hospital: the first year. Darlow B. **NZ Med J** 1984 Nov 28;97(768):818-21

Changes in the pattern of disease managed by general surgeons in New Zealand, 1940-80. Riordan JP, et al. **NZ Med J** 1984 Nov 14;97(767):762-5

A paediatric observation ward. Biddulph J. **Papua New Guinea Med J** 1984 Sep-Dec;27(3-4):163-5

Prevention of admission and continuity of care. Vanistendael C. **Theor Med** 1985 Feb;6(1):93-113

[Clinical statistics on outpatients during the 5 years period (from 1978 Nov. 1st to 1983 Dec. 31st) after the opening of the Urological Clinic of East Sapporo Sanjukai Hospital (II)] Kato S, et al. **Hinyokika Kiyo** 1984 Nov;30(11):1677-84 (Eng. Abstr.) **(Jpn)**

PATIENT ADVOCACY

Alcohol policy and the rights of the drunkard. Mäkelä K, et al. **Alcoholism (NY)** 1985 Jan–Feb;9(1):2–5
The epidemiologic basis for the notification of subjects of cohort studies. Schulte PA. **Am J Epidemiol** 1985 Mar; 121(3):351–61 (42 ref.)
More on compassion and competency [letter] **Am J Psychiatry** 1984 Nov;141(11):1491–2
Patients' rights: a cultural challenge to Western psychiatry. Brody EB. **Am J Psychiatry** 1985 Jan;142(1):58–62
Protection of human rights in research investigations [letter] Bruya MA. **Am Rev Respir Dis** 1985 Jun;131(6):966–7
Limiting treatment in a social vacuum. A Greek chorus for William T. Hunter KM. **Arch Intern Med** 1985 Apr; 145(4):716–9
Creeping euthanasia [letter] Johnson CD. **Br J Hosp Med** 1985 Mar;33(3):178
'Wounded healers' can help give hospital patients more humane care [editorial] Morgan PP. **Can Med Assoc J** 1984 Dec 1;131(11):1335–6
Status report on second surgical opinion programs. AMA Council on Medical Service. **Conn Med** 1985 Aug; 49(8):537–40
Deciding for the incompetent patient: the development of public policy. Healey JM. **Conn Med** 1985 Jan;49(1):51
Decisions on prolonging life [editorial] Tagge GF. **Crit Care Med** 1985 Aug;13(8):692
Autonomy: a moral good, not a moral obsession. Callahan D. **Hastings Cent Rep** 1984 Oct;14(5):40–2
The many faces of competency. Drane JF. **Hastings Cent Rep** 1985 Apr;15(2):17–21
Don't go along with hopelessness [letter] Lewin-Fetter V. **Hastings Cent Rep** 1984 Dec;14(6):48–9
The neonatologist's duty to patient and parents. Strong C. **Hastings Cent Rep** 1984 Aug;14(4):10–6
Autonomy's temporary triumph. Veatch RM. **Hastings Cent Rep** 1984 Oct;14(5):38–40
Personal autonomy of the elderly in long-term care settings [editorial] Thomasma DC. **J Am Geriatr Soc** 1985 Apr; 33(4):225
Photography and patient's rights. Reynolds LR Jr. **J Biol Photogr** 1985 Jul;53(3):117–20
The room search [letter] Lukie BE, et al. **J Clin Gastroenterol** 1984 Dec;6(6):553–4
Medical ethics [letter] Williamson P, et al. **J Fam Pract** 1985 Feb;20(2):119–20
Informed consent: patient's right or patient's duty? Hull RT. **J Med Philos** 1985 May;10(2):183–97
The 'right' not to know. Ost DE. **J Med Philos** 1984 Aug; 9(3):301–12
Nursing and medical students' attitudes toward the rights of hospitalized patients. Kurtzman C, et al. **J Nurs Educ** 1985 Jun;24(6):237–41
Individualizing patient care. Strickland B, et al. **J Nurs Educ** 1985 Jun;24(6):252–5
Laura LeWinn, JD, on Doe vs. Klein. Laying down the law on the rights of psychiatric patients [interview] LeWinn L. **J Psychosoc Nurs Ment Health Serv** 1985 May; 23(5):36–8
When is discontinuation of dialysis justified? Brahams D. **Lancet** 1985 Jan 19;1(8421):176–7
Informed consent: how much information is enough? Davis AJ. **Nurs Outlook** 1985 Jan–Feb;33(1):40–2
Future directions in medical care. The heightening need for physicians as patient advocates. Jirka FJ Jr. **Postgrad Med** 1985 Feb 15;77(3):13–5, 18–9
Which infants should live? On the usefulness and limitations of Robert Weir's Selective Nontreatment of Handicapped Newborns. Churchill LR. **Soc Sci Med** 1985; 20(11):1097–102
Selecting neonatal ethics. Frader JE. **Soc Sci Med** 1985; 20(11):1085–90
Selective nontreatment of handicapped newborns: a critical essay. Kohrman AF. **Soc Sci Med** 1985;20(11):1091–5
Why solutions continue to elude us. Murray TH. **Soc Sci Med** 1985;20(11):1103–7
Selective nontreatment—one year later: reflections and a response. Weir RF. **Soc Sci Med** 1985;20(11):1109–17
Some thoughts on the value of saving lives. Bloom G. **Theor Med** 1984 Oct;5(3):241–51
Animal rights [letter] Roberts J. **Vet Rec** 1985 Mar 23; 116(12):331–2
[The legal importance of the citizen's will in the modern development of mental health care] Stěpán J. **Cesk Psychiatr** 1985 Apr;81(2):124–33 (Eng. Abstr.) **(Cze)**
[Access to medical records in general practice] Mabeck CE. **Ugeskr Laeger** 1985 Apr 1;147(14):1221–3 (Eng. Abstr.) **(Dan)**
[From therapy to teaching and from research to therapy] Breulet M. **Acta Psychiatr Belg** 1984 Sep–Oct;84(5):425–38 (Eng. Abstr.) **(Fre)**
[The need for psychiatric hospitalization] Korn M. **Acta Psychiatr Belg** 1984 Sep–Oct;84(5):387–95 (Eng. Abstr.) **(Fre)**
[Humanization of hospitals] Mozziconacci P. **Ann Pediatr (Paris)** 1985 Mar 25;32(3 Pt 2):247–8 **(Fre)**
[The professional independence of physicians] Villey R. **Bull Acad Natl Med (Paris)** 1984 Jan–Feb;168(1-2):218–23 **(Fre)**
[Freedom of therapy: choice of methods and quality of treatment] Laufs A. **Chirurg** 1984 Aug;55(8):541–2 **(Ger)**
[The rights and responsibilities of patients] Radovančević L. **Lijec Vjesn** 1985 May;107(5):219–21 **(Ser)**

LEGISLATION & JURISPRUDENCE

Wronged rights in nursing homes. Cushing M. **Am J Nurs** 1984 Oct;84(10):1213, 1216, 1218
Rogers v Commissioner: denouement of an important right-to-refuse-treatment case. Gutheil TG. **Am J Psychiatry** 1985 Feb;142(2):213–6
Tube feeding as a psychiatric procedure [letter] Hughes JR, et al. **Am J Psychiatry** 1985 Sep;142(9):1127–8
Right to refuse treatment and delayed medical care for psychiatric patients [letter] Perr IN. **Am J Psychiatry** 1985 Sep;142(9):1127
Freedom of information: can we afford to be anything but clinical? Lipton GL, et al. **Aust NZ J Psychiatry** 1984 Jun; 18(2):158–62
Restraints and the elderly: when safety and autonomy conflict. Schafer A. **Can Med Assoc J** 1985 Jun 1; 132(11):1257–60
Deciding for the incompetent patient: a reasonable role for the law. Healey JM. **Conn Med** 1984 Nov;48(11):757
When procedures limit rights: from Quinlan to Conroy. Annas GJ. **Hastings Cent Rep** 1985 Apr;15(2):24–6
The case of Mary Hier: when substituted judgment becomes sleight of hand. Annas GJ. **Hastings Cent Rep** 1984 Aug; 14(4):23–5
Life as a work of art. Cassell EJ. **Hastings Cent Rep** 1984 Oct;14(5):35–7
Reporting the case of Baby Jane Doe. Kerr K. **Hastings Cent Rep** 1984 Aug;14(4):7–9
The clinician's role in protecting patients' rights in guardianship proceedings. Pleak RR, et al. **Hosp Community Psychiatry** 1985 Jan;36(1):77–9
An empirical view of patients exercising their right to refuse treatment. Bloom JD, et al. **Int J Law Psychiatry** 1984; 7(3–4):315–28
Patient advocacy: the Ontario experience. Turner T, et al. **Int J Law Psychiatry** 1984;7(3–4):329–50
Law and public policy. The case for the courts. Baron C. **J Am Geriatr Soc** 1984 Oct;32(10):734–8
Decision making in the care of terminally ill incompetent persons: concerns about the role of the courts. Mariner WK. **J Am Geriatr Soc** 1984 Oct;32(10):739–46
The right to refuse treatment and the movement for mental health reform. Brown P. **J Health Polit Policy Law** 1984 Summer;9(2):291–313
Health care cost containment and the duty to treat. Marsh FH. **J Leg Med (Chicago)** 1985 Jun;6(2):157–90
The physician's statutory obligation to furnish medical records to patients. Berg RN. **J Med Assoc Ga** 1984 Nov; 73(11):787–9
Nursing home residents' right to refuse treatment. Eichler BL. **J Med Soc NJ** 1985 May;82(5):359–61
Patient privacy: a consumer protection approach. Brannigan VM. **J Med Syst** 1984 Dec;8(6):501–5
Patient abuse should be your concern. LaRocco SA. **J Nurs Adm** 1985 Apr;15(4):27–31
Forcible administration of antipsychotic medication. State laws. Arkin HR. **JAMA** 1984 Nov 9;252(18):2620–1
Enforcing a duty to care for patients in the NHS. Brahams D. **Lancet** 1984 Nov 24;2(8413):1224–5
Comparative negligence. When a patient contributes to his medical malpractice relatively. Hirsh HL. **Med Law** 1985; 4(3):229–37
The rights of the mental patient in Israel. Levy A, et al. **Med Law** 1984;3(4):405–20
A proposal for a patient compensation plan: an Israeli outlook. Miller AL. **Med Law** 1985;4(3):205–22
The United States Supreme Court and mental health law. A retrospective. Perlin ML. **Med Law** 1985;4(1):49–54
Origins of paternalism. Segal H, et al. **Med Law** 1985; 4(3):269–73
Expanding physician duties and patients rights in wrongful life: Harbeson v. Parke-Davis, Inc. Skolnick M. **Med Law** 1985;4(3):283–98
Medical decision-making patient participation. Wolfgarten A, et al. **Med Leg J** 1984;52 (Pt 3):180–90
Medical malpractice arbitration: a procedural overview. Bedikian MA. **Mich Med** 1985 May;84(5):270–2
New rules offer redress against frivolous lawsuits. Marr J. **Mich Med** 1985 May;84(5):284, 286
Board of Directors instructs MSMS to support arbitration as means of setting liability disputes. Powsner RM. **Mich Med** 1985 May;84(5):268–9
Arbitration: physicians' offer/patients' choice. Watkins RA. **Mich Med** 1985 May;84(5):266–7
Availability of durable power of attorney for health care [letter] Lynn J. **N Engl J Med** 1985 Jan 24;312(4):248
The new paradox of psychiatric malpractice. Stone AA. **N Engl J Med** 1984 Nov 22;311(21):1384–7
Rogers v. Commissioner: do multiple 'wrongs' make patients' rights? Gutheil TG. **New Dir Ment Health Serv** 1985 Mar; (25):35–45
Patient access to mental health records: impact on clinical practice. Schwartz HI, et al. **New Dir Ment Health Serv** 1985 Mar;(25):79–88
False imprisonment. Klein CA. **Nurse Pract** 1984 Sep;9(9):41, 44
Invasion of privacy. Klein CA. **Nurse Pract** 1985 Jan; 10(1):50–2
The right to die: your rights, your patient's rights. Edwards KS. **Ohio State Med J** 1985 Jan;81(1):17–18, 20–1
The patients rights representative program: design of an ombudsman service for mental patients. Ziegenfuss JT Jr, et al. **Psychiatr Q** 1984 Spring;56(1):3–12
[Legal regulations of the citizen-health worker relationship. I] Zeman Z. **Cesk Zdrav** 1985 Jul;33(6–7):256–64 (Eng. Abstr.) **(Cze)**
[Treatment under coercion] Gevers JK. **Ned Tijdschr Geneeskd** 1985 Jun 8;129(23):1085–8 **(Dut)**
[Right of the patient to disclosure of his psychiatric chart] Rieger HJ. **Dtsch Med Wochenschr** 1985 Mar 15; 110(11):433–4 **(Ger)**
[Social law and the physician-nurse-patient relation in health care in East Germany] Heusinger H, et al. **Z Arztl Fortbild (Jena)** 1985;79(12):511–4 **(Ger)**

STANDARDS

The dangers of ad hoc protocols. Hanks GE. **J Clin Oncol** 1984 Oct;2(10):1177–8

TRENDS

Steps to professionalization: patient representatives. Mailick MD. **J Allied Health** 1984 Nov;13(4):263–71

PATIENT APPOINTMENTS see **APPOINTMENTS AND SCHEDULES**

PATIENT CARE PLANNING

see related
AFTER CARE
CONSUMER PARTICIPATION

How should we proceed when a hypertension is discovered? Rorive G, et al. **Acta Clin Belg** 1984;39(3):177–9
Changes in staff satisfactions after increases in pay, autonomy, and participation. Sarata BP. **Am J Community Psychol** 1984 Aug;12(4):431–44
The continued care of pediatric patients with renal disease into adult life. Cameron JS. **Am J Kidney Dis** 1985 Aug; 6(2):91–5
Legal cases, government regulations, and clinical realities in newborn intensive care. Guillemin JH, et al. **Am J Perinatol** 1983 Oct;1(1):89–97
Outcome standards at work. A neurosurgical case study. England EF. **AORN J** 1984 Oct;40(4):582–3, 586–7, 591
The 'birth plan' experience. Ekeocha CE, et al. **Br J Obstet Gynaecol** 1985 Jan;92(1):97–101
A geriatric assessment unit in a long-term care facility. Hogan DB, et al. **Can J Public Health** 1984 Jul–Aug; 75(4):301–3
Future prospects in planning radiation therapy. Goitein M. **Cancer** 1985 May 1;55(9 Suppl):2234–9
Decubitus ulcers: treatment through five therapeutic principles. Seiler WO, et al. **Geriatrics** 1985 Sep;40(9):30–44
The role of the blood bank medical director in patient care. Carlson DA. **Hosp Pract [Off]** 1985 Sep 30;20(9A):24–30
A task approach to drug use intervention. Einstein S. **Int J Addict** 1984 Aug;19(5):591–3
A theoretical approach to nursing assessment. Campbell J, et al. **J Adv Nurs** 1985 Mar;10(2):111–5
Levels of patient nutrition care for use in clinical decision making. Lutton SE, et al. **J Am Diet Assoc** 1985 Jul; 85(7):849–51
Diagnosis and treatment decisions when using bitewing radiographs—a comparison between two dental schools. Mileman P, et al. **J Dent** 1985 Jun;13(2):140–51
Nursing care analysis: a tool to develop problem solving. Bell SK, et al. **J Nurs Educ** 1985 Mar;24(3):118–21
Interactive clinical conferences: nursing rounds and education imagery. Skurski V. **J Nurs Educ** 1985 Apr; 24(4):166–8
Humanistic care of the patient in seclusion. Baradell JG. **J Psychosoc Nurs Ment Health Serv** 1985 Feb;23(2):9–14
Restraint and seclusion. A standard and standard care plan. Roper JM, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Jun;23(6):18–23
Multidisciplinary pretreatment cancer planning. Moore C. **J Surg Oncol** 1985 Feb;28(2):79–86
'A Look at the Chief Complaints' revisited. Current obstacles and opportunities for decision analysis. Cebul RD. **Med Decis Making** 1984;4(3):271–83
A concise model for the management of possible appendicitis. Clarke JR. **Med Decis Making** 1984;4(3):331–8
Initial international use of APACHE. An acute severity of disease measure. Wagner DP, et al. **Med Decis Making** 1984;4(3):297–313
Effectiveness of a geriatric evaluation unit. A randomized clinical trial. Rubenstein LZ, et al. **N Engl J Med** 1984 Dec 27;311(26):1664–70
Adherence to health care regimens among elderly women. Chang BL, et al. **Nurs Res** 1985 Jan–Feb;34(1):27–31
Effect of an implemented fall prevention program on the frequency of patient falls. Rainville NG. **QRB** 1984 Sep; 10(9):287–91
The radiologist as an attending physician: routine or special procedure? Evens RG. **Radiology** 1985 Feb;154(2):545–6
Inpatient admissions for interventional radiology: philosophy of patient management. Kinnison ML, et al. **Radiology** 1985 Feb;154(2):349–51
Inpatient management: a new role for interventional

radiologists. Ring EJ, et al. **Radiology** 1985 Feb;154(2):543

MR imaging in radiation therapy planning. Work in progress. Shuman WP, et al. **Radiology** 1985 Jul;156(1):143–7

Quantitative theories for clinical decision making. Habbema JD. **Rev Epidemiol Sante Publique** 1984;32(3–4):172–80

Principles of planning of routine hospital activities. Matuszkiewicz W. **Sante Publique (Bucur)** 1984; 27(3):187–95

[Comparative study of epidural and general anesthesia in planned cesarean section] Iordanov K, et al. **Akush Ginekol (Sofiia)** 1985;24(3):31–40 (Eng. Abstr.) **(Bul)**

[Diagnosis of deep venous thrombosis. II. Diagnostic strategy] Büller HR, et al. **Ned Tijdschr Geneeskd** 1984 Dec 8;128(49):2312–4 **(Dut)**

[Post-trauma care and rehabilitation] Huittinen VM. **Duodecim** 1985;101(9):933–9 **(Fin)**

[Physical-technical irradiation planning for combined use of fast neutrons and quantum radiation] Matschke S. **Radiobiol Radiother (Berl)** 1985;26(1):71–6 (Eng. Abstr.) **(Ger)**

[Treatment protocol for duodenal ulcers. Outlines of indications for surgery] Cavanenghi D, et al. **Minerva Med** 1984 Oct 27;75(41):2455–7 (Eng. Abstr.) **(Ita)**

[Empyema of the gallbladder in planned cholecystectomy] Avramov VIu, et al. **Klin Khir** 1984 Sep;(9):53 (Eng. Abstr.) **(Rus)**

[Preparation of patients with head and neck tumors for neutron teletherapy] Musabaeva LI, et al. **Med Radiol (Mosk)** 1985 Mar;30(3):53–4 (Eng. Abstr.) **(Rus)**

METHODS

The impact of CT CORRELATE ScoutView images on radiation therapy planning. Shuman WP, et al. **AJR** 1985 Sep;145(3):633–8

Nursing diagnosis in long-term care. Rantz M, et al. **Am J Nurs** 1985 Aug;85(8):916–7, 926

Standard plans for care and discharge. Sanborn CW, et al. **Am J Nurs** 1984 Nov;84(11):1394–6

Treatment planning for the patient who is incompetent to stand trial. Davis DL. **Hosp Community Psychiatry** 1985 Mar;36(3):268–71

Chronic patient has numerous changes in drugs, therapists; makes only limited gains. Frances A, et al. **Hosp Community Psychiatry** 1985 Mar;36(3):233–5

Importance of ultrasonography in the follow-up of patients treated for ovarian carcinoma. Juhász B, et al. **Int J Gynaecol Obstet** 1984 Oct;22(5):349–55

Bronchoscopy guided simulation of a bronchial neoplasm [letter] Andrews C, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1745–6

A diagnostic X ray field verification device for a 10 MV linear accelerator. Biggs PJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):635–43

Requirements for a treatment planning system for radioimmunotherapy. DeNardo GL, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):335–48 (65 ref.)

The imaging revolution and radiation oncology: use of CT, ultrasound, and NMR for localization, treatment planning and treatment delivery. Glatstein E, et al. **Int J Radiat Oncol Biol Phys** 1985 Feb;11(2):299–314

Treatment planning for colorectal cancer: radiation and surgical techniques and value of small-bowel films. Gunderson LL, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1379–93

A test object for evaluation of portal films. Lutz WR, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):631–4

Lung corrections in photon beam treatment planning: are we ready? Orton CG, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2191–9

A proposal for universal introduction of lung corrections [editorial] Orton CG, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2383–4

CT scanning for radiation therapy treatment planning of hepatoma. Rostock RA, et al. **Int J Radiat Oncol Biol Phys** 1985 Jul;11(7):1413–8

A simple system for manual image reconstruction from pairs of X ray films. van de Geijn J, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2375–9

Localization and protection of kidneys in radiation treatment planning using computed tomography. Vigneri P, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1209–13

Use of a health planning conference in a family practice. Struve JK, et al. **J Fam Pract** 1985 Jan;20(1):75–8

Geriatric imperative: geriatric assessment programs. Rubenstein LZ. **J Med Soc NJ** 1984 Aug;81(8):651–4

Computerization of patient acuity and nursing care planning. New approach to improved patient care and cost-effective staffing. Adams R, et al. **J Nurs Adm** 1985 Apr;15(4):11–7

Preoperative planning and surgical technique for performing a Dwyer calcaneal osteotomy. Krackow KA, et al. **J Pediatr Orthop** 1985 Mar–Apr;5(2):214–8

Destroyers. Written treatment contracts can help cure self destructive behaviors of the borderline patient. O'Brien P, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Apr; 23(4):19–23

A constrained least-squares optimization method for external beam radiation therapy treatment planning. Starkschall G. **Med Phys** 1984 Sep–Oct;11(5):659–65

A clinically operational method for three-dimensional dose calculations. Altschuler MD, et al. **Phys Med Biol** 1985 Mar;30(3):217–28

An x-ray detector system and modified simulator providing CT images for radiotherapy dosimetry planning. Leach MO, et al. **Phys Med Biol** 1985 Apr;30(4):303–11

A liquid ionisation detector for digital radiography of therapeutic megavoltage photon beams. Meertens H, et al. **Phys Med Biol** 1985 Apr;30(4):313–21

Computer applications in radiation therapy treatment planning. Purdy JA. **Radiat Med** 1983 Apr–Jun;1(2):161–73

[Pointers on quality assurance in radiotherapy from the physician's point of view] Hüttner J. **Radiobiol Radiother (Berl)** 1984;25(6):827–31 (Eng. Abstr.) **(Ger)**

[Radiation planning requirements using computed tomography] Merkle K, et al. **Radiobiol Radiother (Berl)** 1984;25(6):833–8 (Eng. Abstr.) **(Ger)**

[Film cassette specially designed for radiotherapy simulation] Brix F, et al. **Rontgenpraxis** 1984 Aug;37(8):300–1 **(Ger)**

[Parenteral nutrition. Planning and practical execution] Rubli E. **Schweiz Rundsch Med Prax** 1984 Nov 20;73(47):1437–41 (Eng. Abstr.) **(Ger)**

[Automatic contour search and segmentation of sonographic transverse sectional pictures of the uterus with regard to optimization of individual isodose planning in uterine cancer] Englmeier KH, et al. **Strahlentherapie** 1985 May; 161(5):275–80 (Eng. Abstr.) **(Ger)**

[Representation of tumor and organ contours by projection radiography—an important supplement to radiotherapeutic treatment planning] Hübener KH, et al. **Strahlentherapie** 1985 Mar;161(3):148–53 (Eng. Abstr.) **(Ger)**

[Hysterography with afterloading-applicator in place. A simple method for improving the treatment planning of uterine cancer] Roth G, et al. **Strahlentherapie** 1985 Jun; 161(6):336–42 (Eng. Abstr.) **(Ger)**

[Delineation of target volume on CT images with esophageal carcinoma] Kaneta K, et al. **Rinsho Hoshasen** 1985 May; 30(5):587–91 (Eng. Abstr.) **(Jpn)**

[Set of programs for radiotherapy planning, executed on the SM-4 computer] Chilingarov KM. **Med Radiol (Mosk)** 1985 Jan;30(1):45–7 (Eng. Abstr.) **(Rus)**

[Possibilities and future of mathematical modeling in radiotherapy] Ivanov VK. **Med Radiol (Mosk)** 1985 Mar; 30(3):67–70 **(Rus)**

[Ways of shortening the time of patient treatment in planned surgery] Korzh VN, et al. **Voen Med Zh** 1984 Sep;(9):47–8 **(Rus)**

ORGANIZATION & ADMINISTRATION

Counseling patients to counsel physicians on future care in the event of patient incompetence. Schneiderman LJ, et al. **Ann Intern Med** 1985 May;102(5):693–8

Limiting treatment in a social vacuum. A Greek chorus for William T. Hunter KM. **Arch Intern Med** 1985 Apr; 145(4):716–9

Impact of a case manager program on psychiatric aftercare. Wasylenki DA, et al. **J Nerv Ment Dis** 1985 May; 173(5):303–8

STANDARDS

Guidelines for hospitalization of chronic psychiatric patients. Glick ID, et al. **Hosp Community Psychiatry** 1984 Sep; 35(9):934–6

The multidisciplinary treatment plan: a format for enhancing activity therapy department involvement. Lang E, et al. **Hosp Community Psychiatry** 1985 Jan;36(1):62–8

The impact of a quality assurance program on postgraduate training in internal medicine. Bouchard RE, et al. **JAMA** 1985 Feb 22;253(8):1146–50

PATIENT CARE TEAM

Principles of residential treatment: staff growth and therapeutic interaction. Sanders J. **Adolesc Psychiatry** 1985; 12:361–70

Consultation-liaison activities in Norway. Askevold F. **Adv Psychosom Med** 1983;11:143–9

The psychosomatic ward. Köhle K. **Adv Psychosom Med** 1983;11:176–90

Liaison psychiatry (liaison medicine). Oken D. **Adv Psychosom Med** 1983;11:23–51 (95 ref.)

Consultation-liaison psychiatry in Belgium. Pierloot RA, et al. **Adv Psychosom Med** 1983;11:150–63

Practical distinctions between consultative psychiatry and liaison medicine. Schubert DS. **Adv Psychosom Med** 1983; 11:52–61

Consultation-liaison activities in West Germany. Balint group work and final conclusions. Speidel H. **Adv Psychosom Med** 1983;11:198–204

Drug information requests from practitioners outside an institution [letter] Isetts B, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1760–1

Role of pharmacy technicians on the cardiac-arrest team [letter] Michael KA, et al. **Am J Hosp Pharm** 1984 Oct; 41(10):1996, 2000

Care of patients with incurable, chronic neoplasm. One patient's perspective. Papper S. **Am J Med** 1985 Feb; 78(2):271–6

Examination of medical professions for counseling on medication adherence. Russell ML, et al. **Am J Med** 1985 Feb;78(2):277–82

Participation of professionals, paraprofessionals, and direct-care staff members in the interdisciplinary team meeting. Bailey DB Jr, et al. **Am J Ment Defic** 1985 Jan; 89(4):437–40

Serving profoundly mentally retarded persons: staff attitudes and job satisfaction. Silver EJ, et al. **Am J Ment Defic** 1984 Nov;89(3):297–301

Allied health team management of rheumatoid arthritis patients. Feinberg JR, et al. **Am J Occup Ther** 1984 Sep; 38(9):613–20

A randomized controlled study of a home health care team. Zimmer JG, et al. **Am J Public Health** 1985 Feb; 75(2):134–41

A perspective on AIDS cases among health care workers. Gordon RS. **Ann NY Acad Sci** 1984;437:420

Public school satisfaction with interdisciplinary services. Bender M, et al. **Appl Res Ment Retard** 1984;5(4):521–5

A rapid training procedure for teaching manual sign language skills to multidisciplinary institutional staff. Fitzgerald JR, et al. **Appl Res Ment Retard** 1984;5(4):451–69

Training professionals to record proceedings of interdisciplinary team conferences. Parrish JM, et al. **Appl Res Ment Retard** 198[illegible];6(2):247–62

The 34th John Stanley Coulter memorial lecture. The interdisciplinary process: is it a chimera for clinical practice and for the ACRM? Rothberg JS. **Arch Phys Med Rehabil** 19[illegible]5 Jun;66(6):343–7

The experience of a mental health team involved in the early phase of a disaster. Berah EF, et al. **Aust NZ J Psychiatry** 1984 Dec;18(4):354–8

Who treats in-patients with a primary psychiatric diagnosis? Stampfer HG, et al. **Aust NZ J Psychiatry** 1984 Dec; 18(4):379–86

Close encounters in general practice: experiences of a psychotherapy liaison team. Wilson S, et al. **Br J Psychiatry** 1985 Mar;146:277–81

The short life of a terminal care support team: experience at Charing Cross Hospital. Herxheimer A, et al. **Br Med J [Clin Res]** 1985 Jun 22;290(6485):1877–9

Why do our hospitals not make more use of the concept of a trauma team? Spencer JD. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):136–8

The team in general practice. Tait I. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):805–6

Clinical medical librarianship: a review of the literature. Cimpl K. **Bull Med Libr Assoc** 1985 Jan;73(1):21–8 (59 ref.)

Statistics of conducting clinical trials for children with brain tumors. Boyett JM, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1894–6

Lucy Wortham James lecture. Multidisciplinary clinical investigation of the cancers of children. A model for the management of adults with cancer. Hammond GD. **Cancer** 1985 Mar 15;55(6):1215–25

Multidisciplinary team functioning. Kovitz KE, et al. **Child Abuse Negl** 1984;8(3):353–60

Monitoring classifications [letter] Weingarten M. **Crit Care Med** 1985 Feb;13(2):139

Checking into the hospital: parents give primary care. Schwartz E. **Dimens Health Serv** 1984 Dec;61(12):32–3

Issues facing nutrition support teams. Finn SC, et al. **Drug Intell Clin Pharm** 1984 Oct;18(10):826–8

The family medicine team as providers of home dialysis care in kibbutzim in Israel. Almagor G, et al. **Fam Pract** 1984 Dec;1(4):224–7

Changing teams/changing families. de Shazer S, et al. **Fam Process** 1984 Dec;23(4):481–6

An interdisciplinary gerontology elective for allied health students. Allen RM, et al. **Gerontol Geriatr Educ** 1984 Summer;4(4):85–90

Participatory health seminars for nursing home residents: a model for multidisciplinary education. Clark PG. **Gerontol Geriatr Educ** 1984 Summer;4(4):75–84

The nurse practitioner-physician team in nursing home practice. Panicucci C, et al. **Gerontol Geriatr Educ** 1984–85 Winter;5(2):55–64

Nurse and physician collaboration: how to strengthen the team. Kuhn R. **Heart Lung** 1985 Sep;14(5):18A–21A

A team approach to pharmacologic treatment of chronic schizophrenia. Keith SJ, et al. **Hosp Community Psychiatry** 1984 Aug;35(8):802–5

Indiana's craniofacial anomalies team. Special care at the James Whitcomb Riley Hospital for Children. Nelson CL, et al. **Indiana Med** 1984 Dec;77(12):940–6

A place for the nurse-midwife. Hinds C. **Int Nurs Rev** 1985 Mar–Apr;32(2):46–7

Treatment of retinoblastoma and choroidal melanoma. A multidisciplinary approach. van Peperzeel HA. **Int Ophthalmol** 1985 Mar;7(3–4):255–8

A study of the clinical role of the dietitian as viewed by allied health professionals. Schwartz NE. **J Allied Health** 1984 Nov;13(4):288–98

An interdisciplinary teaching program in geriatrics for physician's assistants. Stark R, et al. **J Allied Health** 1984 Nov;13(4):280–7

Geriatric team dynamics: the dietitian's role. Delahanty LM. **J Am Diet Assoc** 1984 Nov;84(11):1353–6

Geriatric consultation teams in acute hospitals: impact on back-up of elderly patients. Barker WH, et al. **J Am Geriatr Soc** 1985 Jun;33(6):422–8

The Keystone Regional Spinal Cord Injury System: a comprehensive approach to the care and treatment of spinal cord injury. Weinberg EI, et al. **J Am Osteopath Assoc** 1985 Mar;85(3):151-5

Referral and survival of patients accepted by a terminal care support team. Evans C, et al. **J Epidemiol Community Health** 1984 Dec;38(4):310-4

The generation and utilization of bacteriology information by members of the health care team. Dixon CM, et al. **J Hosp Infect** 1984 Dec;5 Suppl A:63-8

Meeting family needs following severe head injury: a multidisciplinary approach. Elliott J, et al. **J Neurosurg Nurs** 1985 Apr;17(2):111-3

Why health-care teams don't change: chronicity and collusion. Goren S, et al. **J Nurs Adm** 1985 Jul-Aug;15(7-8):9-17

Management of facial trauma: teaching collaboration by example. Fisher JC. **J Oral Maxillofac Surg** 1985 Apr;43(4):305-6

Role of the dental hygienist in the prosthodontic practice. Jones JD, et al. **J Prosthet Dent** 1984 Dec;52(6):885-8

Measuring the aftermath of rape. DiVasto P. **J Psychosoc Nurs Ment Health Serv** 1985 Feb;23(2):33-5

The multidisciplinary approach. When too many is too much. Ruch MD. **J Psychosoc Nurs Ment Health Serv** 1984 Sep;22(9):18-23

Consumer-oriented groups: a new approach to interdisciplinary teaching. Pearson A, et al. **J R Coll Gen Pract** 1985 Aug;35(277):381-3

Multidisciplinary approaches to skull base tumors. Osguthorpe JD, et al. **J SC Med Assoc** 1984 Aug;80(8):416-8

Multidisciplinary pretreatment cancer planning. Moore C. **J Surg Oncol** 1985 Feb;28(2):79-86

Geriatric abuse intervention team in a family practice setting. Clark CB. **J Tenn Med Assoc** 1984 Sep;77(9):535-6

Successfully resolved geriatric abuse cases by the Geriatric Abuse Intervention Team. Clark CB. **J Tenn Med Assoc** 1984 Oct;77(10):599-600

Surgical staff recognition of psychopathology in trauma patients. Silverman JJ, et al. **J Trauma** 1985 Jun;25(6):544-6

Premenstrual syndrome [letter] Alberts PS. **JOGN Nurs** 1984 Nov-Dec;13(6):413

Community mental health teams [letter] **Lancet** 1985 Mar 30;1(8431):760-1

What sort of oncology team should treat testicular teratoma? [letter] Bagshawe KD, et al. **Lancet** 1985 Apr 20;1(8434):930

Changing places: a look at some realities of institutional behavior management. Walker GR, et al. **Ment Retard** 1985 Apr;23(2):79-81

A multidisciplinary approach to identification and remedial intervention for adverse late effects of cancer therapy. McCalla JL. **Nurs Clin North Am** 1985 Mar;20(1):117-30

New role for physicians evolves from health team concept. Felton JS. **Occup Health Saf** 1985 Mar;54(3):52-4, 58-9

The otolaryngologist's role in the craniofacial anomalies team. Holt GR, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):406-9

Multidisciplinary pain center follow-up study: evaluation with a no-treatment control group. Guck TP, et al. **Pain** 1985 Mar;21(3):295-306

The multidisciplinary treatment of abusive and neglectful families. Krugman RD. **Pediatr Ann** 1984 Oct;13(10):761-4

Team management of the maltreated child in the emergency room. Mundie GE. **Pediatr Ann** 1984 Oct;13(10):771-6

Basic requirements for initiating an interdisciplinary process. Darling LA, et al. **Phys Ther** 1984 Nov;64(11):1684-6

Treatment teams under war stress. Weil F. **Psychiatr J Univ Ottawa** 1985 Mar;10(1):45-7

Strategies for the enhancement of visual function in individuals with fixed visual deficits: an interdisciplinary model. Corn AL. **Rehabil Lit** 1985 Jan-Feb;46(1-2):8-11

Overcoming barriers to identification and referral of alcoholics in a general hospital setting: one approach. Williams CN, et al. **RI Med J** 1985 Mar;68(3):131-8

Collective responsibility in interdisciplinary collaboration: an ethical perspective for social workers. Abramson M. **Soc Work Health Care** 1984 Fall;10(1):35-43

Group support for parents of high risk neonates: an interdisciplinary approach. Macnab AJ, et al. **Soc Work Health Care** 1985 Summer;10(4):63-71

Direct fetal therapy: the multidisciplinary team concept. Reynolds JE, et al. **South Med J** 1985 Jun;78(6):661-4

Hepatitis B surveillance in employees of a community blood center. Hanson MR, et al. **Transfusion** 1985 Jan-Feb;25(1):18-20

[Minimal brain dysfunction, a panorama; a recommendation of the Public Health Council] Touwen BC. **Ned Tijdschr Geneeskd** 1985 May 25;129(21):982-3 (Eng. Abstr.) **(Dut)**

[Post-trauma care and rehabilitation] Huittinen VM. **Duodecim** 1985;101(9):933-9 **(Fin)**

[Problems of the visually handicapped] Ouertani A, et al. **Tunis Med** 1985 Apr;63(4):305-8 **(Fre)**

[Palliative paramedical care] Falardeau M, et al. **Union Med Can** 1984 Nov;113(11):923-7 (Eng. Abstr.) **(Fre)**

[Rehabilitation: a concern of the multidisciplinary team] Jacques A. **Union Med Can** 1984 Oct;113(10):870-5 (Eng. Abstr.) **(Fre)**

[The coronary rehabilitation program at the Laval City of Health] Lapointe L, et al. **Union Med Can** 1984 Sep;113(9):746-9 (Eng. Abstr.) **(Fre)**

[Cooperation between orthodontists and neurologists] Sergl HG. **Fortschr Kieferorthop** 1984 Dec;45(6):417-27 (Eng. Abstr.) **(Ger)**

[Separation of somatic from psychosomatic medicine can be overcome. Suggestions for special-combining cooperation in medicine] Hirschmann E. **Fortschr Med** 1985 Feb 28;103(8):72-3 **(Ger)**

[Interdisciplinary cooperation with urology. Ureter and bladder complications] Beck L, et al. **Gynakologe** 1985 Mar;18(1):24-5 **(Ger)**

[Interdisciplinary cooperation with gynecologic balneotherapy] Dietrich J. **Gynakologe** 1985 Mar;18(1):44-6 **(Ger)**

[Interdisciplinary cooperation with tumor after-care clinics] Fischedick O. **Gynakologe** 1985 Mar;18(1):41-3 **(Ger)**

[Interdisciplinary cooperation with anesthesiology] Grote B. **Gynakologe** 1985 Mar;18(1):35-8 **(Ger)**

[Interdisciplinary cooperation with psychosomatic medicine] Molinski H. **Gynakologe** 1985 Mar;18(1):47-9 **(Ger)**

[Interdisciplinary cooperation with surgery] Nier H, et al. **Gynakologe** 1985 Mar;18(1):15-23 **(Ger)**

[Problems in cooperation between the obstetric-gynecologic clinic and general practice] Schröder H. **Gynakologe** 1985 Mar;18(1):39-40 **(Ger)**

[Diagnosis and therapy of subfertility in the male--an interdisciplinary task] Lunglmayr G, et al. **Helv Chir Acta** 1984 Oct;51(3-4):345-50 **(Ger)**

[Problems of medical and psychosocial care of chronic patients exemplified by multiple sclerosis] Gundelach U. **Off Gesundheitswes** 1985 Jan;47(1):6-10 **(Ger)**

[Cooperation of the public health physician and the medical psychology examination station in the evaluation of driving ability] Winkler W. **Off Gesundheitswes** 1984 Dec;46(12):611-5 **(Ger)**

[Group processes in team supervision--constructive and destructive effects] Barthe HJ. **Prax Kinderpsychol Kinderpsychiatr** 1985 May-Jun;34(4):142-8 (Eng. Abstr.) **(Ger)**

[Patients, families and reform psychiatrists. A study on the relation between relatives of psychiatric patients and personnel of the psychiatric service in the province Arezzo/Italy] Bertram W. **Psychiatr Prax** 1984 Sep;11(5):151-6 (Eng. Abstr.) **(Ger)**

[Cooperation of the psychotherapist and family physician in psychosocial primary care] Willi J. **Psychother Psychosom Med Psychol** 1985 May;35(5):108-11 (Eng. Abstr.) **(Ger)**

[The tasks of the radiologist and his contribution to angiology] Zeitler E. **Vasa** 1984;Suppl 12:32-42 (Eng. Abstr.) **(Ger)**

[Forum discussion: 'Physician-athlete-patient-institution'] **Wien Med Wochenschr** 1985 May 31;135(9-10):252-7 **(Ger)**

[The need for interdisciplinary cooperation exemplified by patients with exogenous poisoning] Wisthal B. **Z Arztl Fortbild (Jena)** 1984;78(15):651-2 **(Ger)**

[Laboratory findings visit, an interdisciplinary encounter of the clinic and the laboratory] Ruhnau KJ, et al. **Z Med Lab Diagn** 1985;26(1):48-51 **(Ger)**

[Pitfalls in the multidisciplinary treatment of the multiple injured] Schmid JF, et al. **Z Unfallchir Versicherungsmed Berufskr** 1985;78(1):41-5 **(Ger)**

[Special nursing measures in acute disease from the surgeon's viewpoint] Weber K. **ZFA** 1985 Mar-Apr;40(2):96-101 **(Ger)**

[Teamwork--apropos of correspondence (letter)] **Orv Hetil** 1984 Dec 23;125(52):3211-2 **(Hun)**

[Participation of a physician in the cooperation between a sick child and his family during treatment of neoplastic blood disease] Zdebska S, et al. **Pediatr Pol** 1985 Jan;60(1):45-9 (Eng. Abstr.) **(Pol)**

[Team treatment of anomalies of the organs of mastication] Mitrović T, et al. **Vojnosanit Pregl** 1984 Nov-Dec;41(6):484-7 **(Ser)**

HISTORY

Medical-surgical collaboration in the practice of gastroenterology. Sircus W. **Postgrad Med J** 1984 Nov;60(709):725-32

METHODS

Home assessment and treatment in a community psychiatric service. Tufnell G, et al. **Acta Psychiatr Scand** 1985 Jul;72(1):20-8

The holding environment in the inpatient treatment of adolescents. Davis M, et al. **Adolesc Psychiatry** 1985;12:434-43

Multidisciplinary or nondisciplinary: evaluation of staff functioning in a community mental health centre. Krupinski J, et al. **Aust NZ J Psychiatry** 1984 Jun;18(2):172-8

Pattern of discussion in traditional and novel ward-round procedures. Fewtrell WD, et al. **Br J Med Psychol** 1985 Mar;58 (Pt 1):57-62

ORGANIZATION & ADMINISTRATION

Synergistic management: the task of the flight nurse. Burke JB. **Aviat Space Environ Med** 1983 Mar;54(3):261-2

A triaxial model of the interdisciplinary team and group process. Bailey DB Jr. **Except Child** 1984 Sep;51(1):17-25

The nature of case manager support. Baker F, et al. **Hosp Community Psychiatry** 1984 Sep;35(9):925-8

The remedicalization of community mental health. Beigel A. **Hosp Community Psychiatry** 1984 Nov;35(11):1114-7

The multidisciplinary treatment plan: a format for enhancing activity therapy department involvement. Lang E, et al. **Hosp Community Psychiatry** 1985 Jan;36(1):62-8

Psychosocial care team for patients with AIDS in a municipal hospital [letter] Rosner F, et al. **JAMA** 1985 Apr 26;253(16):2361

Nutrition support teams--a 1983 survey. McShane CM, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun;9(3):263-8

How can we improve team working in primary care? Pritchard P. **Practitioner** 1984 Dec;228(1398):1135-9

A social worker attachment to a primary care team. Stott PC, et al. **Practitioner** 1984 Nov;228(1397):1075-8

The geriatric evaluation team. Kirby HB, et al. **Tex Med** 1984 Dec;80(12):31-4

STANDARDS

Nurses and physicians: prospects for collaboration [editorial] Makadon HJ, et al. **Ann Intern Med** 1985 Jul;103(1):134-6

Physician-nurse relationships. Prescott PA, et al. **Ann Intern Med** 1985 Jul;103(1):127-33

Personnel and equipment required for electrophysiologic testing. Report of the Committee on Electrocardiography and Cardian Electrophysiology, Council on Clinical Cardiology, the American Heart Association. Gettes LS, et al. **Circulation** 1984 Jun;69(6):1219A-1221A

Staffing patterns in rural health services for children and adolescents. Jerrell JM, et al. **Community Ment Health J** 1984 Fall;20(3):212-22

Emergency department staffing by nonspecialists. DeBard ML. **J Emerg Med** 1984;1(3):269-70

TRENDS

[Increasing life expectancy--interdisciplinary aspects (editorial)] Lehr U. **Z Gerontol** 1984 Nov-Dec;17(6):303-5 **(Ger)**

[Interdisciplinary cooperation between general physicians and pediatric and adolescent health protection--status and development] Dückert M, et al. **Z Gesamte Hyg** 1984 Oct;30(10):551-3 (Eng. Abstr.) **(Ger)**

UTILIZATION

Why do our hospitals not make more use of the concept of a trauma team? [letter] **Br Med J [Clin Res]** 1985 Feb 2;290(6465):391-2

Alternative approach for optimum utilisation of health care services provided by a health team to urban community in relation to population coverage. Roy AK, et al. **Indian J Med Res** 1984 Nov;80:601-6

PATIENT COMPLIANCE

Behavior pattern A and compliance with antihypertensive treatment. Oddsson OH, et al. **Acta Med Scand [Suppl]** 1985;693:97-101

Some attitudes towards edentulousness, complete dentures, and cooperation with the dentist. A study of denture patients attending a dental school. Berg E, et al. **Acta Odontol Scand** 1984 Dec;42(6):333-8

A scale for detection of negative attitudes towards medication among relatives of schizophrenic patients. Mantonakis J, et al. **Acta Psychiatr Scand** 1985 Feb;71(2):186-9

Management of adherence to prescribed medication. Insull W Jr. **Adv Exp Med Biol** 1985;183:349-60

Some factors associated with compliance in the treatment of alcoholism. Rees DW, et al. **Alcohol Alcohol** 1984;19(4):303-7

Patient compliance. Ruffalo RL, et al. **Am Fam Physician** 1985 Jun;31(6):93-100 (12 ref.)

Improving compliance with antibiotic regimens for otitis media. Randomized clinical trial in a pediatric clinic. Finney JW, et al. **Am J Dis Child** 1985 Jan;139(1):89-95

Efficacy of the follow-up system in the community hospital emergency department. Silverman GK, et al. **Am J Emerg Med** 1984 Mar;2(2):119-22

Limits of guardian treatment refusal: a reasonableness standard. Veatch RM. **Am J Law Med** 1984 Winter;9(4):427-68

Examination of medical professions for counseling on medication adherence. Russell ML, et al. **Am J Med** 1985 Feb;78(2):277-82

Long-term antiarrhythmic therapy. Problem of low drug levels and patient noncompliance. Squire A, et al. **Am J Med** 1984 Dec;77(6):1035-8

Nurses speak out on patients and drug regimens. Moree NA. **Am J Nurs** 1985 Jan;85(1):51-4

The problem of patient compliance. Robertson WH. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 2):948-52

Patient cooperation in treatment with removable appliances: a model of patient noncompliance with treatment implications. Gross AM, et al. **Am J Orthod** 1985 May;87(5):392-7

More on compassion and competency [letter] **Am J Psychiatry** 1984 Nov;141(11):1491-2

Medication nonadherence due to feelings of loss of control in 'biological depression'. Bursten B. **Am J Psychiatry** 1985 Feb;142(2):244-6

Informed consent as a form of volunteer bias. Edlund MJ, et al. **Am J Psychiatry** 1985 May;142(5):624–7

Rogers v Commissioner: denouement of an important right-to-refuse-treatment case. Gutheil TG. **Am J Psychiatry** 1985 Feb;142(2):213–6

Right to refuse treatment and delayed medical care for psychiatric patients [letter] Perr IN. **Am J Psychiatry** 1985 Sep;142(9):1127

Clinical characteristics of hospitalized psychotic patients who refuse antipsychotic drug therapy. Zito JM, et al. **Am J Psychiatry** 1985 Jul;142(7):822–6

Shared religious belief as resistance in psychotherapy. Kehoe N, et al. **Am J Psychother** 1984 Oct;38(4):579–85

Methodologic issues in evaluating stop smoking programs. Midanik LT, et al. **Am J Public Health** 1985 Jun;75(6):634–8

Improving patient compliance. Bectel MQ. **Am Pharm** 1984 Aug;NS24(8):58–60

Promoting compliance pays off. Murphy D. **Am Pharm** 1985 Jan;NS25(1):19, 22–4

Behavioral strategies and theophylline compliance in asthmatic children. Weinstein AG. **Ann Allergy** 1985 Jul;55(1):16–21

Theophylline compliance in asthmatic children. Weinstein AG, et al. **Ann Allergy** 1985 Jan;54(1):19–24

Medicolegal management of the organically impaired patient in the emergency department. Griglak MJ, et al. **Ann Emerg Med** 1985 Jul;14(7):685–9

Propylthiouracil levels in hyperthyroid patients unresponsive to large doses. Evidence of poor patient compliance. Cooper DS. **Ann Intern Med** 1985 Mar;102(3):328–31

Antiarrhythmic therapy: the issue of patient compliance. Somelofski C, et al. **Ann NY Acad Sci** 1984;432:286–95 (36 ref.)

Improving patient compliance in pediatric outpatient surgery. McLean JC, et al. **AORN J** 1984 Nov;40(5):676–80

Do accident and emergency patients collect their prescribed medication? Freeman CP, et al. **Arch Emerg Med** 1985 Mar;2(1):41–3

Influence of home monitoring on compliance with a reduced sodium intake diet. Luft FC, et al. **Arch Intern Med** 1984 Oct;144(10):1963–5

Progression of visual field defects in glaucoma. Relation to compliance with pilocarpine therapy. Granström PA. **Arch Ophthalmol** 1985 Apr;103(4):529–31

Compliance and prognosis in glaucoma [editorial] Kass MA. **Arch Ophthalmol** 1985 Apr;103(4):504

Parent perceptions of problems experienced by their children in complying with treatments for juvenile rheumatoid arthritis. Rapoff MA, et al. **Arch Phys Med Rehabil** 1985 Jul;66(7):427–9

Rapid restoration of red blood cell mass in severely anemic surgical patients who refuse transfusion. Dudrick SJ, et al. **Arch Surg** 1985 Jun;120(6):721–7

A critical review of compliance studies in rheumatoid arthritis. Belcon MC, et al. **Arthritis Rheum** 1984 Nov;27(11):1227–33

Determination of compliance with riboflavin in an antidepressive therapy. Tinguely D, et al. **Arzneimittelforsch** 1985;35(2):536–8

The language of doctor and patient communication. A study of commands and requests. Huddleston J, et al. **Aust Fam Physician** 1984 Jul;13(7):543–4

Smoking withdrawal programme: baseline indicators of smoking exposure and biochemical monitoring of successful outcome. Puddey IB, et al. **Aust NZ J Med** 1984 Aug;14(4):408–14

Enhancing acne medication compliance: a comparison of strategies. Flanders PA, et al. **Behav Res Ther** 1985;23(2):225–7

The impact of a research interview on clinical re-attendance: a happy finding. Sutherland G, et al. **Br J Addict** 1985 Jun;80(2):211–2

Use and non-use of hearing aids. Sorri M, et al. **Br J Audiol** 1984 Aug;18(3):169–72

Combined psychotherapy and pharmacotherapy for depression–the compliance variable [letter] Condon JT. **Br J Psychiatry** 1985 Jun;146:670–1

Long-term depot maintenance of chronic schizophrenic out-patients: the seven year follow-up of the Medical Research Council fluphenazine/placebo trial. II. The incidence of compliance problems, side-effects, neurotic symptoms and depression. Curson DA, et al. **Br J Psychiatry** 1985 May;146:469–74

What to do with a sick elderly woman who refuses to go to hospital. Harris SJ, et al. **Br Med J [Clin Res]** 1984 Nov 24;289(6456):1435–6

Study of children not immunised for measles. Kemple T. **Br Med J [Clin Res]** 1985 May 11;290(6479):1395–6

The treatment review panel: a solution to treatment refusal? Zito JM, et al. **Bull Am Acad Psychiatry Law** 1984;12(4):349–58

Coping with difficult-to-treat cancer patients. Hyland JM, et al. **Bull Menninger Clin** 1984 Jul;48(4):329–41

The teaching of patient education concepts on therapeutic compliance to medical students. Haynes RB. **Bull NY Acad Med** 1985 Mar;61(2):123–34

Compliance to referrals from the psychiatric emergency room. Blouin A, et al. **Can J Psychiatry** 1985 Mar;30(2):103–6

Treatment noncompliance as a function of therapist attributes and social support. Dyck RJ, et al. **Can J Psychiatry** 1984 Apr;29(3):212–6

Breast self-examination among diagnosed breast cancer patients. Taylor SE, et al. **Cancer** 1984 Dec 1;54(11):2528–32

Compliance with anti-tuberculous chemotherapy in Harare City. Armstrong RH, et al. **Cent Afr J Med** 1984 Aug;30(8):144–8

A follow-up and case tracing exercise. Levy LM, et al. **Cent Afr J Med** 1985 Mar;31(3):49–52

An intervention to improve follow-up of patients with otitis media. Casey R, et al. **Clin Pediatr (Phila)** 1985 Mar;24(3):149–52

Compliance and motivation in cardiac exercise programs. Oldridge NB, et al. **Clin Sports Med** 1984 Apr;3(2):443–54 (25 ref.)

Overview of patient compliance with medication dosing: a literature review. Greenberg RN. **Clin Ther** 1984;6(5):592–9 (68 ref.)

Compliance: a major factor in the successful treatment of rheumatic disease. Hicks JE. **Compr Ther** 1985 Apr;11(4):31–7

Proceedings of the workshop on the development of markers for use as adherence measures in clinical studies. May 24–25, 1982. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):451–587

Enhancement of visit adherence in the national beta-blocker heart attack trial. Bell RL, et al. **Controlled Clin Trials** 1985 Jun;6(2):89–101

Adherence measures and their utility. Dunbar J. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):515–21

Alternative adherence marker schemes. Fales HM. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):576–8

General concepts for use of markers in clinical trials. Gordis L. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):481–7

Statement of the problem and pharmacological and clinical requirements for the ideal marker. Insull W Jr. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):459–62

Evaluation and recommendations for adherence marker development by working groups of the workshop. Insull W Jr. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):579–83

Stable isotopic abundances as reflections of ingestion practices. Klein PD. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):568–72

Chemical analysis of marker substances. Maickel RP. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):556–67

Issues in medication adherence assessment in clinical trials of the National Heart, Lung, and Blood Institute. Mattson ME, et al. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):488–96

Monitoring compliance through analysis of drug and metabolite levels. Mollica JA. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):505–14

Historical review: comparison with other methods. Roth HP. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):476–80

Behavioral aspects of the use of medical markers in clinical trials. Russell ML. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):526–34

Use of stable isotopes to determine compliance. Schwarcz HP. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):573–5

The statistical analysis of adherence data obtained from markers. Silvers A, et al. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):544–55

The potential use of markers in drug development. Tempero KF. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):535–9

Clinical pharmacology of a marker of patient compulsiveness. Thompson WL. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):522–5

Food and Drug Administration's requirements for markers. Tocus EC. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):463–5

Tracer microspheres as compliance markers in clinical research. Wolen RL, et al. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):540–3

Riboflavin use as a drug marker in Veterans Administration cooperative studies. Young LM, et al. **Controlled Clin Trials** 1984 Dec;5(4 Suppl):497–504

Patient noncompliance in dermatomycosis. Results of a survey among dermatologists and general practitioners and patients. Meinhof W, et al. **Dermatologica** 1984;169 Suppl 1:57–66

Mother–daughter interaction and adherence to diabetes regimens. Bobrow ES, et al. **Diabetes Care** 1985 Mar–Apr;8(2):146–51

Insulin wastage [letter] Damaser E. **Diabetes Care** 1985 Mar–Apr;8(2):203–4

Medication compliance in non-insulin-dependent diabetes: a randomized comparison of chlorpropamide and insulin. Diehl AK, et al. **Diabetes Care** 1985 May–Jun;8(3):219–23

Regimen adherence: a problematic construct in diabetes research [editorial] Glasgow RE, et al. **Diabetes Care** 1985 May–Jun;8(3):300–1

Social learning intervention to promote metabolic control in type I diabetes mellitus: pilot experiment results. Kaplan RM, et al. **Diabetes Care** 1985 Mar–Apr;8(2):152–5

Modeling psychosocial effects on glucose control [letter] Peyrot M. **Diabetes Care** 1985 May–Jun;8(3):305–6

Relationship between health locus of control, health value, and social support and compliance of persons with diabetes mellitus. Schlenk EA, et al. **Diabetes Care** 1984 Nov–Dec;7(6):566–74

The compliance of diabetic patients: relationship between subjective assessment by physicians and objective measurement of patient performance. Yue DK, et al. **Diabetes Res** 1984 May;1(1):39–43

A comparison of disulfiram acceptors and refusers on selected demographic and clinical characteristics. Rush BR, et al. **Drug Alcohol Depend** 1984 Sep;14(1):75–85

Contingent methadone take-home privileges: effects on compliance with fee payment schedules. Stitzer ML, et al. **Drug Alcohol Depend** 1984 Jul;13(4):395–9

Chronic opiate use during methadone detoxification: effects of a dose increase treatment. Stitzer ML, et al. **Drug Alcohol Depend** 1984 Sep;14(1):37–44

Oral contraception––starting, stopping or changing. **Drug Ther Bull** 1985 May 20;23(10):37–9 (5 ref.)

Compliance and the doctor–patient relationship. Peck CL, et al. **Drugs** 1985 Jul;30(1):78–84

Some aspects of drug compliance in African epileptics: experience from Kenyatta National Hospital. Lisk DR. **East Afr Med J** 1984 Mar;61(3):177–83

Compliance with cardiac rehabilitation in the elderly. Gori P, et al. **Eur Heart J** 1984 Nov;5 Suppl E:109–11

Characteristics and post-hospital perceptions of patients refusing inpatient treatment in a South African general hospital psychiatric unit. Schlebusch L, et al. **Gen Hosp Psychiatry** 1985 Apr;7(2):163–70

Failure to keep psychiatric follow-up appointments [letter] Sensky T. **Gen Hosp Psychiatry** 1985 Jul;7(3):272–3

The direct effects of compliance on health outcome. Epstein LH. **Health Psychol** 1984;3(4):385–93 (19 ref.)

Specific efficacy expectations mediate exercise compliance in patients with COPD. Kaplan RM, et al. **Health Psychol** 1984;3(3):223–42

Common-sense models of illness: the example of hypertension. Meyer D, et al. **Health Psychol** 1985;4(2):115–35

Compliance with chemotherapy among breast cancer patients. Taylor SE, et al. **Health Psychol** 1984;3(6):553–62

Adherence and self-care. Kerr JA. **Heart Lung** 1985 Jan;14(1):24–31

An evaluation of an inpatient cardiac patient/family education program. Mills G, et al. **Heart Lung** 1985 Jul;14(4):400–6

Service and patient predictors of continuation in clinic-based treatment. Atwood N, et al. **Hosp Community Psychiatry** 1985 Aug;36(8):865–9

Compliance and outcome of patients accompanied by relatives to evaluations. Sweeney JA, et al. **Hosp Community Psychiatry** 1984 Oct;35(10):1037–8

Treatment refusal [letter] Wehler R. **Hosp Community Psychiatry** 1984 Dec;35(12):1236

Next please: a review of dietetic out-patient attendance. Gallagher C. **Hum Nutr Appl Nutr** 1984 Jun;38(3):181–6

Non-compliance with treatment [letter] Almeida JC, et al. **Ind J Lepr** 1984 Apr–Jun;56(2):369

On urine spot test for dapsone intake [letter] Huikeshoven H. **Ind J Lepr** 1985 Jan–Mar;57(1):221–5

Treatment compliance by leprosy out-patients and its monitoring under field condition. Kumar A. **Ind J Lepr** 1984 Apr–Jun;56(2):313–8

Maternalism: a sound concept in medicine. Justin RG. **Indiana Med** 1985 Feb;78(2):111–2

Adherence in a behavioral alcohol treatment program. Fink EB, et al. **Int J Addict** 1984 Nov;19(7):709–19

Professional psychotherapy and its relationship to compliance in treatment. Rogalski CJ. **Int J Addict** 1984 Aug;19(5):521–39

An empirical view of patients exercising their right to refuse treatment. Bloom JD, et al. **Int J Law Psychiatry** 1984;7(3–4):315–28

A randomized controlled trial of a new approach to preoperative teaching and patient compliance. Wong J, et al. **Int J Nurs Stud** 1985;22(2):105–15

The relationship of rehabilitation center staff and client endorsement of appropriate client behaviors to outcome. Cook DW. **Int J Rehabil Res** 1984;7(2):143–9

The effect of chloride-containing potassium supplements on chloride titrator estimates of dietary sodium intake. Luft FC, et al. **J Am Coll Nutr** 1985;4(2):233–9

Increasing appointment keeping by reducing the call-appointment interval. Benjamin-Bauman J, et al. **J Appl Behav Anal** 1984 Fall;17(3):295–301

Reducing noncompliance to follow-up appointment keeping at a family practice center. Rice JM, et al. **J Appl Behav Anal** 1984 Fall;17(3):303–11

Failure of treatment of ununited fractures of the carpal scaphoid [letter] Cooney WP. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1145–6

Anxiety in the child dental clinic. Williams JM, et al. **J Child Psychol Psychiatry** 1985 Mar;26(2):305–10

An evaluation of a new patient compliance index using plasma propranolol levels. Caldwell JR, et al. **J Chronic Dis** 1984;37(9–10):689–98

Compliance with an experimental drug regimen for treatment of asthma: its magnitude, importance, and correlates. Glanz K, et al. **J Chronic Dis** 1984;37(11):815–24

Leaving a cardiology service against medical advice. Ochitill HN, et al. **J Chronic Dis** 1985;38(1):79–84

Memory and medication compliance. Norell SE. **J Clin Hosp Pharm** 1985 Mar;10(1):107–9

Evaluation of cause-related periodontal therapy and compliance with maintenance care recommendations. Johansson LA, et al. **J Clin Periodontol** 1984 Nov;11(10):689–99

Patterns of attrition for psychosocial and pharmacologic treatments of depression. Last CG, et al. **J Clin Psychiatry** 1985 Sep;46(9):361-6

View from the Nation's Courts. Freishtat HW. **J Clin Psychopharmacol** 1982 Feb;2(1):75-7

View from the Nation's Courts. The right to refuse treatment revisited. Freishtat HW. **J Clin Psychopharmacol** 1984 Jun;4(3):162-3

View from the Nation's Courts. Freishtat HW. **J Clin Psychopharmacol** 1983 Feb;3(1):49-50

Compliance issues in outpatient treatment. Kane JM. **J Clin Psychopharmacol** 1985 Jun;5(3 Suppl):22S-27S

Effect of compliance for chronic asthmatic children. Cluss PA, et al. **J Consult Clin Psychol** 1984 Oct;52(5):909-10

Preventing medical noncompliance in the outpatient treatment of bipolar affective disorders. Cochran SD. **J Consult Clin Psychol** 1984 Oct;52(5):873-8

Compliance with a hepatitis B vaccination program. Kwon HJ, et al. **J Dent Educ** 1984 Oct;48(10):563-5

Compliance with acute otitis media treatment. Reed BD, et al. **J Fam Pract** 1984 Nov;19(5):627-32

The right to refuse treatment and the movement for mental health reform. Brown P. **J Health Polit Policy Law** 1984 Summer;9(2):291-313

Current status of institutionalized mental health patients' right to refuse psychotropic drugs. Kemna DJ. **J Leg Med (Chicago)** 1985 Mar;6(1):107-38 (0 ref.)

Kicking against the pricks: two patients wish to end essential insulin treatment. **J Med Ethics** 1984 Dec;10(4):201-8

Volitional disability and physician attitudes toward noncompliance. Ferrell RB, et al. **J Med Philos** 1984 Nov;9(4):333-51

Nursing home residents' right to refuse treatment. Eichler BL. **J Med Soc NJ** 1985 May;82(5):359-61

Interventions useful to the public health nurse: improving health behaviors. Wyatt GK, et al. **J Nurs Educ** 1985 Apr;24(4):168-70

Adaptive noncompliance in pediatric asthma: the parent as expert. Deaton AV. **J Pediatr Psychol** 1985 Mar;10(1):1-14

Compliance with maintenance therapy in a private periodontal practice. Wilson TG Jr, et al. **J Periodontol** 1984 Aug;55(8):468-73

Difficult denture patients: observations and hypothesis. Pitts WC. **J Prosthet Dent** 1985 Apr;53(4):532-4

Prediction of compliance with an over-the-counter acne medication. Flanders P, et al. **J Psychol** 1984 Sep;118(1ST Half):31-6

Grappling with resistance in group psychotherapy. Collison CR. **J Psychosoc Nurs Ment Health Serv** 1984 Aug;22(8):6-12

Compliance and nutritional status during feasibility study for an intervention trial in China. Ershow AG, et al. **JNCI** 1984 Dec;73(6):1477-81

Patients with Kaposi sarcoma who opt for no treatment [letter] Levy EM, et al. **Lancet** 1985 Jul 27;2(8448):223

'Naaman's dilemma'--factors influencing the compliance of patients to prescribed drugs in chronic diseases, with particular reference to leprosy. Macrorie R. **Lepr Rev** 1985 Jun;56(2):143-52

Using four simple steps, physicians do influence smoking behavior. Campbell JL, et al. **Md Med J** 1985 Jan;34(1):50-5

Patient adherence to prescribed therapies. Becker MH. **Med Care** 1985 May;23(5):539-55

The relationship of attitude changes to compliance with influenza immunization. A prospective study. Buchner DM, et al. **Med Care** 1985 Jun;23(6):771-9

The role of theory in the study of adherence to treatment and doctor-patient interactions. Leventhal H. **Med Care** 1985 May;23(5):556-63

Cognitive predictors of compliance in chronic disease patients. Nagy VT, et al. **Med Care** 1984 Oct;22(10):912-21

Compliance with medication regimens in children. Can it be improved? Baird-Lambert J, et al. **Med J Aust** 1985 Feb 4;142(3):201-3

Comparative negligence. When a patient contributes to his medical malpractice relatively. Hirsh HL. **Med Law** 1985;4(3):229-37

Compliance: one of the most important correlations in clinical pharmacology. Lücker PW. **Methods Find Exp Clin Pharmacol** 1984 Oct;6(10):557-9

Refusal of treatment: the role of psychiatric consultation. Stam M, et al. **Mt Sinai J Med (NY)** 1985 Apr;52(4):306-9

Rogers v. Commissioner: do multiple 'wrongs' make patients' rights? Gutheil TG. **New Dir Ment Health Serv** 1985 Mar;(25):35-45

Noncompliance: an appropriate nursing diagnosis? Edel MK. **Nurs Outlook** 1985 Jul-Aug;33(4):183-5

Adherence to health care regimens among elderly women. Chang BL, et al. **Nurs Res** 1985 Jan-Feb;34(1):27-31

Spouse support and myocardial infarction patient compliance. Hilbert GA. **Nurs Res** 1985 Jul-Aug;34(4):217-20

Development of a tool for diagnosing changes in concern about exercise: a means of enhancing compliance. Jordan-Marsh M. **Nurs Res** 1985 Mar-Apr;34(2):103-7

Patient compliance and interpersonal style: implications for practice and research. Kasch CR, et al. **Nurse Pract** 1985 Mar;10(3):52-4, 56, 64

Achieving compliance to a reduced sodium diet. Sloan RS. **Nurse Pract** 1985 Feb;10(2):24, 26

Double-blind evaluation of piroxicam and naproxen following missed dosage in patients with inflammatory arthritis. Langley GB, et al. **NZ Med J** 1985 Jun 26;98(781):490-2

Non-compliance with anticonvulsant therapy as a cause of seizures. Stanaway L, et al. **NZ Med J** 1985 Mar 13;98(774):150-2

Know thyself--adolescents' self-assessment of compliance behavior. Litt IF. **Pediatrics** 1985 Apr;75(4):693-6

Compliance with homework to employ self-instructions in controlling ice water pain: an analogue to counseling. Martin GA, et al. **Percept Mot Skills** 1985 Jun;60(3):796-8

Compliance with outpatient lithium therapy. Connelly CE. **Perspect Psychiatr Care** 1984 Apr-Jun;22(2):44-50

Compliance with hypertension treatment. Strategies for improving patient cooperation. McDonald M, et al. **Postgrad Med** 1985 Jun;77(8):233-6, 241-2

Patterns of drug taking in patients with chronic airflow obstruction. James PN, et al. **Postgrad Med J** 1985 Jan;61(711):7-10

Drug compliance and seizure control in epileptic children. Lisk DR, et al. **Postgrad Med J** 1985 May;61(715):401-5

Utilization of patient expertise in medication groups. Diamond RJ, et al. **Psychiatr Q** 1984 Spring;56(1):13-9

The treatment-resistant patient and the need to stay crazy. Geisen L, et al. **Psychiatr Q** 1984 Spring;56(1):75-82

A study of variables associated with under-attendance at a psychiatric day centre. Bender MP, et al. **Psychol Med** 1985 May;15(2):395-401

Adherence to methylphenidate therapy in a pediatric population: a preliminary investigation. Brown RT, et al. **Psychopharmacol Bull** 1985;21(1):28-36

Implications of noncompliance on research in affective disorders. Frank E, et al. **Psychopharmacol Bull** 1985;21(1):37-42

Compliance in the long-term treatment of schizophrenia. Kane JM, et al. **Psychopharmacol Bull** 1985;21(1):23-7

Behavioral instruction for a patient's relative to increase antihypertensive compliance. Pinto RP, et al. **Psychosomatics** 1985 Aug;26(8):677-9

Psychiatric consultation with a noncooperative, depressed stroke patient. Teitelbaum ML, et al. **Psychosomatics** 1985 Feb;26(2):145-6

Accuracy of indirect measures of medication compliance in hypertension. Craig HM. **Res Nurs Health** 1985 Mar;8(1):61-6

Alcohol, patient compliance and blood pressure control in hypertensive patients. Tuomilehto J, et al. **Scand J Soc Med** 1984;12(4):177-81

Patient compliance behavior: the effects of time on patients' values of treatment regimens. Christensen-Szalanski JJ, et al. **Soc Sci Med** 1985;21(3):263-73

The meaning of medications: another look at compliance. Conrad P. **Soc Sci Med** 1985;20(1):29-37

Using the health belief model to predict initial drug therapy defaulting. Fincham JE, et al. **Soc Sci Med** 1985;20(1):101-5

Influences on the antenatal clinic attendance of Central Province women in Port Moresby, PNG. Marshall LB. **Soc Sci Med** 1985;21(3):341-50

The role of health beliefs in compliance with physician advice to quit smoking. Pederson LL, et al. **Soc Sci Med** 1984;19(5):573-80

A problem with refusing certain forms of psychiatric treatment. Perry C. **Soc Sci Med** 1985;20(6):645-8

Use of hypnosis for improving medication compliance in psychiatric patients. Forman BD. **South Med J** 1985 Mar;78(3):242-4

Health beliefs, compliance, and control of diabetes mellitus. Harris R, et al. **South Med J** 1985 Feb;78(2):162-6

Monitoring drug noncompliance in epileptic patients: assessing phenobarbital plasma levels. Takaki S, et al. **Ther Drug Monit** 1985;7(1):87-91

The divergent second opinion: eventual outcome of physician-changing. Reiter D. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter;37(2):231-4

A survey of patient satisfaction, knowledge and compliance. Sanazaro PJ. **West J Med** 1985 May;142(5):703-5

Fetal surgery: the social implications of medical and surgical treatment of the unborn child. Kaufmann CL, et al. **Women Health** 1985 Spring;10(1):25-37

[Incidence of certain risk factors after several years in non-respondents in an epidemiologic study of primary prevention of ischemic coronary heart disease (ICHS)] Horová J, et al. **Cesk Zdrav** 1985 Jan;33(1):43-6 (Eng. Abstr.) **(Cze)**

[Medical and social problems in the care of diabetics--results of a study of 269 patients] Páv J, et al. **Vnitr Lek** 1985 Jun;31(6):585-91 (Eng. Abstr.) **(Cze)**

[Right to refuse treatment by the involuntary patient: medico-legal considerations] Morrison D. **Can J Psychiatry** 1985 Feb;30(1):60-3 (Eng. Abstr.) **(Fre)**

[Compliance: measurement of adherence to treatment and therapeutic follow-up] Dahan R, et al. **Therapie** 1985 Jan-Feb;40(1):17-23 (Eng. Abstr.) **(Fre)**

[Motivation and compliance of andrology patents] Pusch HH. **Andrologia** 1985 Mar-Apr;17(2):194-9 (Eng. Abstr.) **(Ger)**

[Current status of the physician's responsibility for patients information] Laufs A. **Chirurg** 1984 Aug;55(8):539-40 **(Ger)**

[Self measurement of blood pressure and the compliance of hypertensive patients] **Dtsch Med Wochenschr** 1985 Apr 12;110(15):611 **(Ger)**

[What promotes compliance in therapy with Tensobon?] Schrey A. **Fortschr Med** 1985;103 Suppl 1:18-20 **(Ger)**

[Recommendations for compliance improvement--health beliefs and compliance factors] Schoberberger R, et al. **Internist (Berlin)** 1984 Nov;25(11):694-700 **(Ger)**

[Effect of social factors on dietary compliance in phenylketonuria] Schmid-Rüter E, et al. **Off Gesundheitswes** 1985 Apr;47(4):170-2 **(Ger)**

[Methodology and importance of determining patient compliance] Senf HJ. **Pharmazie** 1984 Jul;39(7):492-5 **(Ger)**

[Diagnosis of drug compliance by questioning the patient--a study of essential hypertension] Basler HD, et al. **Psychother Psychosom Med Psychol** 1984 Dec;34(12):331-5 (Eng. Abstr.) **(Ger)**

[Psychosomatic consultation in a large clinic: problems of integration and patient compliance] Riehl A, et al. **Psychother Psychosom Med Psychol** 1985 Jul;35(7):183-8 (Eng. Abstr.) **(Ger)**

[Does self-measurement of blood pressure improve compliance in hypertensive patients?] Foerster EC, et al. **Schweiz Med Wochenschr** 1985 Feb 2;115(5):163-5 (Eng. Abstr.) **(Ger)**

[The effect of self-measurement of blood pressure on compliance in hypertensive patients] Edmonds D, et al. **Schweiz Rundsch Med Prax** 1985 Feb 19;74(8):173-6 (Eng. Abstr.) **(Ger)**

[Effect of the physician on the effectiveness of drugs (impressive experiment with medical students)] Feldes D. **Z Arztl Fortbild (Jena)** 1985;79(4):163-5 **(Ger)**

[Long-term drug therapy of arterial hypertension including patient compliance] Linss G, et al. **Z Arztl Fortbild (Jena)** 1984;78(24):1047-53 **(Ger)**

[Extent of drug compliance in Crohn disease patients--study of a special ambulatory care unit of a university clinic] Karbach U, et al. **Z Gastroenterol** 1984 Oct;22(10):573-9 (Eng. Abstr.) **(Ger)**

[Prospective studies of diet compliance in the chronic hemodialysis program] Kron J, et al. **Z Urol Nephrol** 1984 Aug;77(8):495-500 (Eng. Abstr.) **(Ger)**

[Problems in the discontinuation of sterility treatment] Hofmann R, et al. **Zentralbl Gynakol** 1985;107(5):294-9 (Eng. Abstr.) **(Ger)**

[Compliance with iron supplementation in infancy--a program for prevention of iron deficiency] Palti H, et al. **Harefuah** 1984 Oct;107(7-8):201-3 (Eng. Abstr.) **(Heb)**

[Effect of patient cooperation and muscular physique on maximal expiratory flow rate] May K, et al. **Pneumonol Pol** 1985 Jan;53(1):53-6 (Eng. Abstr.) **(Pol)**

[Factors determining the population's participation in preventive examinations in Minsk] Zborovskil EI, et al. **Gig Sanit** 1984 Aug;(8):48-50 **(Rus)**

[Attitude of district physicians and the population toward measures regarding the prevention of ischemic heart disease] Chazova LV, et al. **Kardiologiia** 1984 Nov;24(11):63-7 (Eng. Abstr.) **(Rus)**

[Participation of the population in preventive measures] Volozh OI, et al. **Sov Zdravookhr** 1984;(8):12-4 (Eng. Abstr.) **(Rus)**

PATIENT COOPERATION see **PATIENT COMPLIANCE**

PATIENT CREDIT AND COLLECTION see under **ACCOUNTING**

PATIENT DISCHARGE

Full recovery after different anesthesia techniques for short diagnostic procedures. Korttila K. **Acta Anaesthesiol Belg** 1984;35 Suppl:399-411

Consumption of hospital resources for hip fracture. Discharge rates for fracture in Norway. Engesaeter LB, et al. **Acta Orthop Scand** 1985 Feb;56(1):17-20

The role of prehospital discharge two-dimensional echocardiography in determining the prognosis of survivors of first myocardial infarction. Bhatnagar SK, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):472-7

Prognostic implications of complicated ventricular arrhythmias early after hospital discharge in acute myocardial infarction: a serial ambulatory electrocardiography study. Olson HG, et al. **Am Heart J** 1984 Nov;108(5):1221-8

'Submaximal' predischarge exercise testing after acute myocardial infarction: who needs it? DeBusk RF, et al. **Am J Cardiol** 1985 Feb 1;55(4):499-500

Prediction of mortality during the first year after acute myocardial infarction from clinical variables and stress test at hospital discharge. Fioretti P, et al. **Am J Cardiol** 1985 May 1;55(11):1313-8

Efficacy of early newborn discharge in a middle-class population. Britton HL, et al. **Am J Dis Child** 1984 Nov;138(11):1041-6

Early postpartum discharge. Jansson P. **Am J Nurs** 1985 May;85(5):547-50

Standard plans for care and discharge. Sanborn CW, et al. **Am J Nurs** 1984 Nov;84(11):1394-6

Discharge planning for the high-risk neonate: a consultation-liaison role for the infant mental health specialist. Horner TW, et al. **Am J Orthopsychiatry** 1984 Oct;54(4):637-47

The immediate and subsequent outcomes of nursing home care. Lewis MA, et al. **Am J Public Health** 1985 Jul;

NEWARK PUBLIC LIBRAR

75(7):758–62

Postanesthesia scoring system. Discharging ambulatory surgery patients. Wetchler BV. **AORN J** 1985 Feb; 41(2):382–4

A one-year follow-up of patients discharged from geriatrics and general medical units in Wales. Victor CR, et al. **Arch Gerontol Geriatr** 1985 Jul;4(2):117–24

Feasibility of discharge of chronic psychiatric patients. Krupinski J, et al. **Aust NZ J Psychiatry** 1984 Dec; 18(4):364–72

The fate of 'outstanding postdischarge data'. Klippenstein N, et al. **Can Med Assoc J** 1985 Aug 1;133(3):189–90

Early hospital discharge following mastectomy. Tarazi R, et al. **Cleve Clin Q** 1984 Winter;51(4):579–84

The heart patient after hospitalization: social and psychological factors in life after a heart attack. Croog SH. **Conn Med** 1984 Oct;48(10):633–7

Emergency response system assists in discharge planning. Koch WJ. **Dimens Health Serv** 1984 Nov;61(11):30–1

From hospital to nursing home: the long-term care connection. Kane RL, et al. **Gerontologist** 1984 Dec; 24(6):604–9

Clinical profiles of hospital discharge rates in local communities. Griffith JR, et al. **Health Serv Res** 1985 Jun; 20(2):131–51

Factors delaying discharge of psychiatric patients. Christ W. **Health Soc Work** 1984 Summer;9(3):178–87

Discharge planning as a teaching mechanism. Rauch JB, et al. **Health Soc Work** 1985 Summer;10(3):208–16

Programs address the frail elderly's need. Friedman E. **Hospitals** 1985 Sep 1;59(17):62

Use of community services by the elderly 3 and 12 months after discharge from hospital. Victor CR, et al. **Int Rehabil Med** 1985;7(2):56–9

Comparison of clinical variables and variables derived from a limited predischarge exercise test as predictors of early and late mortality after myocardial infarction. Waters DD, et al. **J Am Coll Cardiol** 1985 Jan;5(1):1–8

Case report: electrophrenic respiration and discharge planning with a C1 quadriplegic. MacKechnie J, et al. **J Neurosurg Nurs** 1984 Dec;16(6):347–52

Care of mental patients out of hospital: a challenge to the government. **Lancet** 1985 Mar 16;1(8429):649–50

Determinants of nursing home discharge status. Weissert WC, et al. **Med Care** 1985 Apr;23(4):333–43

Computer-generated discharge letters in the coronary care unit. van Domburg RT, et al. **Med Inf (Lond)** 1985 Jul–Sep; 10(3):259–66

The hospital discharge summary [letter] Last PM. **Med J Aust** 1985 Aug 19;143(4):174–5

The continuing care nurse. Gikow F, et al. **Nurs Outlook** 1985 Jul–Aug;33(4):195–7

Neonatal data base and automated discharge summary using a personal computer and proprietary software. Finer NN, et al. **Pediatrics** 1985 Aug;76(2):269–73

The role of the discharge planner. Sandowski C. **Rehabil Lit** 1985 Jan–Feb;46(1–2):16–20

Discharge to independent living for the chronically ill patient: a case study. Cramond D, et al. **Soc Work Health Care** 1985 Spring;10(3):123–7

Research agenda for discharge planning. Rossen S, et al. **Soc Work Health Care** 1985 Summer;10(4):55–61

Predicting the outcome of hospitalization for elderly persons: home versus nursing home. Wachtel TJ, et al. **South Med J** 1984 Oct;77(10):1283–5, 1290

Parathyroidectomy for primary hyperparathyroidism: early discharge. Tarazi R, et al. **Surgery** 1984 Dec;96(6):1158–62

[Mortality of patients discharged after acute drug and alcohol poisoning. A follow-up study of 615 patients discharged from the Municipal Hospital in Copenhagen in 1980] Christoffersen PJ, et al. **Ugeskr Laeger** 1985 Mar 25; 147(13):1133–7 (Eng. Abstr.) **(Dan)**

[Treatment conditions and discharge from the viewpoint of the therapist and patient—on the follow-up of former patients of a social psychiatric model institution] Bosch G, et al. **Psychiatr Prax** 1985 Mar;12(2):55–62 (Eng. Abstr.) **(Ger)**

[Occurrence of pressure ulcers following discharge from the hospital of patients with complete paraplegia—a long-term follow-up study] Wahle H. **Rehabilitation (Stuttg)** 1984 Nov;23(4):133–9 (Eng. Abstr.) **(Ger)**

[Letters of discharge from a University Department of Medicine. Attempt at an analysis of their contents] Tönies H. **Wien Klin Wochenschr** 1985 Jun 21;97(13):550–5 (Eng. Abstr.) **(Ger)**

[Written information upon leaving the hospital. How do patients benefit from having their information repeated in special information schemes?] Giaever P, et al. **Tidsskr Nor Laegeforen** 1984 Nov 20;104(32):2232–4 (Eng. Abstr.) **(Nor)**

[Sensitivity of serological reactions in the clinico-serological follow-up and discharge from dispensary observation] Kliuvaeva NM, et al. **Vestn Dermatol Venerol** 1985 Jun; (6):71–4 (Eng. Abstr.) **(Rus)**

ECONOMICS

Hospital DRGs and the need for long-term care services: an empirical analysis. Meiners MR, et al. **Health Serv Res** 1985 Aug;20(3):359–84

The impact of Medicaid benefit design on length of hospital stay and patient transfers. Frank RG, et al. **Hosp Community Psychiatry** 1985 Jul;36(7):749–53

Prospective payment and psychiatric discharges from general hospitals with and without psychiatric units. Taube CA, et al. **Hosp Community Psychiatry** 1985 Jul;36(7):754–60

Payers step up roles in discharge planning. LeBrun P. **Hospitals** 1985 Jun 16;59(12):98, 102

Transferring the terminally ill. Lind SE. **N Engl J Med** 1984 Nov 1;311(18):1181–2

[Maternity leave for mothers of hospitalized neonates] Kreutzfeldt AM, et al. **Ugeskr Laeger** 1985 Mar 25; 147(13):1143–5 (Eng. Abstr.) **(Dan)**

LEGISLATION & JURISPRUDENCE

View from the Nation's Courts. Treatment of a known sex deviate. Freishtat HW. **J Clin Psychopharmacol** 1983 Jun; 3(3):194–5

Physicians negligent in discharging mental patient who murdered family. **J Miss State Med Assoc** 1984 Oct; 25(10):276, 284

TRENDS

Patterns of ovarian cyst hospital discharge rates in England and Wales, 1962–79. Westhoff CL, et al. **Br Med J [Clin Res]** 1984 Nov 17;289(6455):1348–9

Adjustment of hospital utilization rates. United States, 1965–80. **Vital Health Stat [13]** 1984 Dec;(81):1–44

PATIENT DROPOUTS

see related

PATIENT COMPLIANCE

Neurotic patients who terminate their own treatment. Roberts H. **Br J Psychiatry** 1985 Apr;146:442–5

Factors contributing to attrition rates in a pulmonary rehabilitation program. Shenkman B. **Heart Lung** 1985 Jan; 14(1):53–8

Compliance with an experimental drug regimen for treatment of asthma: its magnitude, importance, and correlates. Glanz K, et al. **J Chronic Dis** 1984;37(11):815–24

Emergency room leavers: a demographic and interview profile. Wartman SA, et al. **J Community Health** 1984 Summer;9(4):261–8

Defaulted appointments in general practice. Bickler CB. **J R Coll Gen Pract** 1985 Jan;35(270):19–22

Noncompliance: an appropriate nursing diagnosis? Edel MK. **Nurs Outlook** 1985 Jul–Aug;33(4):183–5

Attrition and its consequences in a clinical trial of placebo, imipramine, and phenelzine. Markowitz JS, et al. **Psychopharmacol Bull** 1985;21(1):107–9

[Loss in follow-up at a center for sexually transmitted diseases] Alvarez-Dardet C, et al. **Med Clin (Barc)** 1985 Jun 22;85(4):143–4 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Environmental factors associated with continuers and terminators in adult out-patient psychotherapy. Cross DG, et al. **Br J Med Psychol** 1984 Dec;57 (Pt 4):363–9

Can personality tests predict treatment dropouts? Craig RJ. **Int J Addict** 1984 Sep;19(6):665–74

The characteristics of dropouts from a child psychiatry clinic. Gould MS, et al. **J Am Acad Child Psychiatry** 1985 May; 24(3):316–28

Dropout from adolescent psychotherapy: a preliminary study. Viale-Val G, et al. **J Am Acad Child Psychiatry** 1984 Sep;23(5):562–8

Leaving a cardiology service against medical advice. Ochitill HN, et al. **J Chronic Dis** 1985;38(1):79–84

Older age research non-responders: an inpatient 'profile'. Hyer L, et al. **J Clin Psychol** 1984 Sep;40(5):1160–6

Effect of self-efficacy on dropout from obesity treatment. Mitchell C, et al. **J Consult Clin Psychol** 1984 Dec; 52(6):1100–1

Who goes and who stays: subject loss in a multicenter, longitudinal follow-up study. Aylward GP, et al. **J Dev Behav Pediatr** 1985 Feb;6(1):3–8

Factors associated with patient dropout from an outpatient alcoholism treatment service. Leigh G, et al. **J Stud Alcohol** 1984 Jul;45(4):359–62

A study of variables associated with under-attendance at a psychiatric day centre. Bender MP, et al. **Psychol Med** 1985 May;15(2):395–401

The fear of reducing medication, and where have all the patients gone? Karon BP. **Schizophr Bull** 1984;10(4):613–7

PATIENT EDUCATION

The effect of education and self-monitoring of blood glucose on glycosylated hemoglobin in type I diabetes. A controlled 18-month trial in a representative population. Terént A, et al. **Acta Med Scand** 1985;217(1):47–53

Preventing deaths from malignant melanomas. Redman JC, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:277–82

Management of diabetes mellitus in children younger than 5 years of age. Golden MP, et al. **Am J Dis Child** 1985 May;139(5):448–52

Referral approach for patient education in an ambulatory-care pharmacy. Munroe WP, et al. **Am J Hosp Pharm** 1985 Mar;42(3):624–5

On-target oncology information. Dobberstein K. **Am J Nurs** 1985 Sep;85(9):1007

Insulin injections. The case against random rotation. Thatcher G. **Am J Nurs** 1985 Jun;85(6):690–2

Can preterm deliveries be prevented? Main DM, et al. **Am J Obstet Gynecol** 1985 Apr 1;151(7):892–8

Pharmacy counseling services, Inc. A profile. Murphy D. **Am Pharm** 1985 Feb;NS25(2):36–9

The role of the Diabetic Society of Singapore in promoting diabetes self care and education. Tan BY. **Ann Acad Med Singapore** 1985 Apr;14(2):307–9

The effect of written advice on preoperative cigarette consumption. Shah MV, et al. **Ann R Coll Surg Engl** 1984 Nov;66(6):436–7

Educating patients with rheumatoid arthritis: a prospective analysis. Parker JC, et al. **Arch Phys Med Rehabil** 1984 Dec;65(12):771–4

Self-medication on a rehabilitation unit. Taylor MD, et al. **Arch Phys Med Rehabil** 1984 Oct;65(10):612–3

Outcomes of self-help education for patients with arthritis. Lorig K, et al. **Arthritis Rheum** 1985 Jun;28(6):680–5

Dark-field microscopy and patient education. Cole AM, et al. **Aust Dent J** 1984 Dec;29(6):394–7

Hay fever. Murtagh J. **Aust Fam Physician** 1985 Jun;14(6):523

Past experience of advice and treatment for drinking problems of patients with alcoholic liver disease. Saunders JB, et al. **Br J Addict** 1985 Mar;80(1):51–6

Autonomic arousal in an antenatal clinic and its association with recall of information about pregnancy. Trust J, et al. **Br J Clin Psychol** 1984 Sep;23 (Pt 3):229–30

Alerting close relatives of patients with glaucoma. MacKean JM, et al. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):800–1

The role of academic medicine in patient education. Committee on Medicine in Society in cooperation with Committee on Medical Education. **Bull NY Acad Med** 1985 Mar;61(2):115–224

Integrating patient education into the medical school setting: balancing needs and priorities. Bondurant S. **Bull NY Acad Med** 1985 Mar;61(2):212–7

The teaching of patient education concepts on therapeutic compliance to medical students. Haynes RB. **Bull NY Acad Med** 1985 Mar;61(2):123–34

Patient education: a public health point of view. Susser M. **Bull NY Acad Med** 1985 Mar;61(2):189–202

Electroconvulsive therapy [letter] Finlayson R. **Can Med Assoc J** 1985 Jun 15;132(12):1349

Effects of preparatory patient education for radiation oncology patients. Rainey LC. **Cancer** 1985 Sep 1; 56(5):1056–61

Proper use of metered dose inhalers [letter] **Chest** 1985 Jul; 88(1):158–60

Perinatal coaching: program development. Bristor MW, et al. **Clin Perinatol** 1985 Jun;12(2):367–80

Exercise, education, and counseling for patients with coronary artery disease. Sivarajan ES, et al. **Clin Sports Med** 1984 Apr;3(2):349–69 (104 ref.)

Attitudes and behaviour of junior hospital doctors in initiating behavioural change amongst hospitalized patients. Radford AJ, et al. **Community Health Stud** 1985;9(1):19–26

The office visit and the self-help concept in the treatment of psoriasis. Farber EM. **Cutis** 1985 Mar;35(3):201–2

How patients manage diabetes [letter] Burnet R, et al. **Diabetes Care** 1984 Nov–Dec;7(6):609–10

Microcomputers in diabetes management and education [letter] Carlini M, et al. **Diabetes Care** 1985 Mar–Apr; 8(2):195

A randomized, controlled comparison of instruction by a diabetes educator versus self-instruction in self-monitoring of blood glucose. Ward WK, et al. **Diabetes Care** 1985 May–Jun;8(3):284–6

The effectiveness of four education strategies in the elderly. Ascione FJ, et al. **Drug Intell Clin Pharm** 1984 Nov; 18(11):926–31

Pharmacists' views on mandatory patient counseling. Robinson JD, et al. **Drug Intell Clin Pharm** 1984 Nov; 18(11):913–7

Clinical pharmaceutical services in retail practice. I. Pharmacists' willingness and abilities to provide services. Zelnio RN, et al. **Drug Intell Clin Pharm** 1984 Nov; 18(11):917–22

Arthritis self-management: a study of the effectiveness of patient education for the elderly. Lorig K, et al. **Gerontologist** 1984 Oct;24(5):455–7

Adherence and self-care. Kerr JA. **Heart Lung** 1985 Jan; 14(1):24–31

An evaluation of an inpatient cardiac patient/family education program. Mills G, et al. **Heart Lung** 1985 Jul; 14(4):400–6

Overcoming resistance to talking to patients about tardive dyskinesia. Munetz MR. **Hosp Community Psychiatry** 1985 Mar;36(3):283–7

AHA cites leaders in patient education. **Hospitals** 1984 Nov 1;58(21):64, 68, 72–4

Factors affecting the nurse as a teacher and practicer of breast self-examination. Edgar L, et al. **Int J Nurs Stud** 1984; 21(4):255–65

The interface of education, psychological and visual services in pediatric optometry. Laudon RC, et al. **J Am Optom Assoc** 1984 Aug;55(8):591–4

Printed information for patients receiving PUVA therapy. Morrow NC. **J Clin Hosp Pharm** 1984 Dec;9(4):333–40

A new approach to the measurement of patients' understanding of what they are told in medical consultations. Tuckett DA, et al. **J Health Soc Behav** 1985 Mar;26(1):27–38

Information giving in medical care. Waitzkin H.

J Health Soc Behav 1985 Jun;26(2):81-101

Psychological preparation as a method of reducing the stress of surgery. Wallace LM. **J Human Stress** 1984 Summer; 10(2):62-77

Experimental approach to diabetic obesity. Friesen J, et al. **J Kans Med Soc** 1984 Sep;85(9):234-5

A self-assessment questionnaire for patient educators. Plorde DS, et al. **J Med Educ** 1985 Sep;60(9):728-30

Drug information disclosed to patients prescribed antipsychotic medication. Benson PR. **J Nerv Ment Dis** 1984 Nov;172(11):642-53

Mothers' use of knowledge during the first postpartum weeks. Bull M, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Jul-Aug;14(4):315-20

Helping your patients to stop smoking [editorial] Laskin DM. **J Oral Maxillofac Surg** 1985 Apr;43(4):238

Impaired memory for treatment-relevant information in inpatient men alcoholics. Becker JT, et al. **J Stud Alcohol** 1984 Jul;45(4):339-43

Symptoms and blood glucose levels in diabetics [letter] Cox DJ, et al. **JAMA** 1985 Mar 15;253(11):1558

Breast self-examination [letter] Haran D, et al. **Lancet** 1984 Oct 27;2(8409):988

Telling patients about lupus [letter] Hodgson J. **Lancet** 1985 Sep 21;2(8456):670

Deaf children's perception of internal body parts. Gibbons CL. **Matern Child Nurs J** 1985 Spring;14(1):37-46

Insulin dosage reduction. Evaluation of an education-stabilization programme for patients with insulin-dependent diabetes. Danesi GA, et al. **Med J Aust** 1984 Dec 8-22;141(12-13):789-91

Asthma education for all [letter] Foot R. **Med J Aust** 1985 Apr 29;142(9):532

Assessing the educational needs of post-myocardial infarction patients. Moynihan M. **Nurs Clin North Am** 1984 Sep; 19(3):441-7

Living with coronary artery disease. The nurse's role. Pinneo R. **Nurs Clin North Am** 1984 Sep;19(3):459-67

Patient education in a public hospital. Glazer-Waldman H, et al. **Nurs Res** 1985 May-Jun;34(3):184-5

Drug abuse prevention: the physician's responsibility. Wetli CV. **NY State J Med** 1984 Dec;84(12):587

Patient education in a women's hospital: attitudes of the medical and nursing staffs. Olive DL, et al. **Obstet Gynecol** 1985 May;65(5):686-90

Cognitive modification of pain: information in combination with N2O. Dworkin SF, et al. **Pain** 1984 Aug;19(4):339-51

The role of the home visiting nurse in the total education programme of spinal cord injured persons. Beer NI. **Paraplegia** 1984 Oct;22(5):311-5

Comprehensive education for those concerned with spinal cord injury patients. Houston JM. **Paraplegia** 1984 Aug; 22(4):244-8

Programme of active education in the psycho-social integration of paraplegics. Pachalski A, et al. **Paraplegia** 1984 Aug;22(4):238-43

Pediatric patient education: challenge for the '80s. **Pediatrics** 1984 Nov;74(5 Pt 2):913-80

Vomiting and diarrhea. Book LS. **Pediatrics** 1984 Nov;74(5 Pt 2):950-4

Abdominal pain. Farrell MK. **Pediatrics** 1984 Nov;74(5 Pt 2):955-7

Role of the pediatrician in patient education. Fulginiti VA. **Pediatrics** 1984 Nov;74(5 Pt 2):914-6

Patient education for immunizations. Fulginiti VA. **Pediatrics** 1984 Nov;74(5 Pt 2):961-3

Otitis media. Ginsburg CM. **Pediatrics** 1984 Nov;74(5 Pt 2):948-9

Prevention of childhood injuries. Greensher J. **Pediatrics** 1984 Nov;74(5 Pt 2):970-5

What do patients and parents want to know? What do they need to know? Korsch BM. **Pediatrics** 1984 Nov;74(5 Pt 2):917-9

A randomized trial of A.C.T. (asthma care training) for kids. Lewis CE, et al. **Pediatrics** 1984 Oct;74(4):478-86

The wheezing child. Rachelefsky GS. **Pediatrics** 1984 Nov; 74(5 Pt 2):941-7

Fever in childhood. Schmitt BD. **Pediatrics** 1984 Nov;74(5 Pt 2):929-36

AAP periodicity guidelines: a framework for educating patients. Strain JE. **Pediatrics** 1984 Nov;74(5 Pt 2):924-7

Poison prevention education. Temple AR. **Pediatrics** 1984 Nov;74(5 Pt 2):964-9

Coughs and colds. Walson PD. **Pediatrics** 1984 Nov;74(5 Pt 2):937-40

Preparation for surgery: information tapes for the patient. Baskerville PA, et al. **Practitioner** 1985 Jul;229(1405):677-8

Poor inhaler technique may be perpetuated by clinical staff. Frew AJ, et al. **Practitioner** 1984 Oct;228(1396):883

Attitudes and practices of physicians regarding hypertension and smoking: The Stanford Five City Project. Fortmann SP, et al. **Prev Med** 1985 Jan;14(1):70-80

The impact of denial and repressive style on information gain and rehabilitation outcomes in myocardial infarction patients. Shaw RE, et al. **Psychosom Med** 1985 May-Jun; 47(3):262-73

Outcomes of a diabetes education program. Paulozzi LJ, et al. **Public Health Rep** 1984 Nov-Dec;99(6):575-9

Patient education and the quality assurance process. Borden LP. **QRB** 1985 Apr;11(4):123-7

Information and regime at low back pain. Lindequist S, et al. **Scand J Rehabil Med** 1984;16(3):113-6

Impact of a health education program and other factors on stopping smoking after heart attack. Salonen JT, et al. **Scand J Soc Med** 1985;13(3):103-8

Communication in primary care: the role of patient and practitioner explanatory models. Helman CG. **Soc Sci Med** 1985;20(9):923-31

A survey of patient satisfaction, knowledge and compliance. Sanazaro PJ. **West J Med** 1985 May;142(5):703-5

[Pedagogy and diabetes [editorial] Berger W, et al. **Diabete Metab** 1985 Feb;11(1):1-2 **(Fre)**

[Education of diabetics by the private practitioner] Laurent C. **Diabete Metab** 1984 Oct;10(4):275-6 **(Fre)**

[Teaching patients about their illness and its treatment. A therapeutic success, a medical failure] Assal JP, et al. **Journ Annu Diabetol Hotel Dieu** 1984;:193-207 (15 ref.) **(Fre)**

[Educating the asthmatic patient] Courteheuse C. **Schweiz Med Wochenschr** 1984 Sep 29;114(39):1336-9 (Eng. Abstr.) **(Fre)**

[Learning self care] Besner G. **Union Med Can** 1984 Jun; 113(6):540-2 (Eng. Abstr.) **(Fre)**

[The coronary rehabilitation program at the Laval City of Health] Lapointe L, et al. **Union Med Can** 1984 Sep; 113(9):746-9 (Eng. Abstr.) **(Fre)**

[Current status of the physician's responsibility for patients information] Laufs A. **Chirurg** 1984 Aug;55(8):539-40 **(Ger)**

[Memory psychological aspects of patient education studied with the example of cerebral angiography] Redecker T, et al. **Z Exp Angew Psychol** 1985;32(2):301-19 (Eng. Abstr.) **(Ger)**

[Information before basaloma surgery--results of an inquiry] Schwanitz HJ, et al. **Z Hautkr** 1985 Mar 1;60(5):458-67 (Eng. Abstr.) **(Ger)**

[Responsibility and risk of operations in aged tumor patients] Greiner P. **ZFA** 1985 May-Jun;40(3):145-8 **(Ger)**

[Preparing children and their parents for surgical interventions in a reconstructive plastic surgery division] Bregani P, et al. **Pediatr Med Chir** 1984 May-Jun;6(3):425-9 (Eng. Abstr.) **(Ita)**

[Written information upon leaving the hospital. How do patients benefit from having their information repeated in special information schemes?] Giaever P, et al. **Tidsskr Nor Laegeforen** 1984 Nov 20;104(32):2232-4 (Eng. Abstr.) **(Nor)**

[Patient education in the treatment of diabetes mellitus] Podgórski G, et al. **Pol Tyg Lek** 1984 Dec 3;39(49):1629-33 **(Pol)**

[Psychoprophylaxis in labor--comparative studies] Zielonka U, et al. **Wiad Lek** 1985 Apr 15;38(8):561-6 (Eng. Abstr.) **(Pol)**

[The long-term positive effects of educational-motivational care of patients with ankylosing spondylitis] Franović A. **Reumatizam** 1985;32(1-2):10-6 (Eng. Abstr.) **(Scr)**

[The knowledge of parents and children about diabetes mellitus and the compensation status in the disease] Cernay J, et al. **Cesk Pediatr** 1984 Oct;39(10):576-80 (Eng. Abstr.) **(Slo)**

[Teaching the pediatric patient] Olivares López JL. **An Esp Pediatr** 1984 Oct;21 Suppl 20:21-8 **(Spa)**

[Does the physician adequately inform his patients?] Maya JC, et al. **Bol Of Sanit Panam** 1984 Jul;97(1):26-32 (Eng. Abstr.) **(Spa)**

[Current status of obstetric psychoprophylaxis] Salvatierra V, et al. **Med Clin (Barc)** 1985 Apr 13;84(14):566-9 **(Spa)**

[Patients are more independent if they can do their own anticoagulation check ups] Blombäck M, et al. **Lakartidningen** 1985 Apr 3;82(14):1235, 1238-9 (Eng. Abstr.) **(Swe)**

ECONOMICS

Preop education can cut LOS and cost, aid PPS delivery. **Hospitals** 1985 Feb 16;59(4):78-82

Efficacy of prenatal nutrition counseling: weight gain, infant birth weight, and cost-effectiveness. Orstead C, et al. **J Am Diet Assoc** 1985 Jan;85(1):40-5

Developing cost-effective presurgical preparation: a comparative analysis. Peterson L, et al. **J Pediatr Psychol** 1984 Dec;9(4):439-55

Third-party coverage for diabetes education program. Schwartz R, et al. **QRB** 1985 Jul;11(7):213-7

HISTORY

Patient education in historical perspective. Breslow L. **Bull NY Acad Med** 1985 Mar;61(2):115-22

LEGISLATION & JURISPRUDENCE

Breast Cancer Informed Consent Law [letter] Myers BA. **Med Care** 1985 Jul;23(7):936

Legal aspects of medical genetics in Wisconsin. Clayton EW. **Wis Med J** 1985 Mar;84(3):28-32

[Responsibility for optimal care and maximal information to the patient] Kern BR. **Chirurg** 1985 Jan;56(1):61 **(Ger)**

[Information on risk of hepatitis infection and use of a consultant physician] Laufs A. **Chirurg** 1985 May; 56(5):350-1 **(Ger)**

[The responsibility of the physician to inform the patient, from the jurisprudence viewpoint] Pentz A. **Fortschr Kiefer Gesichtschir** 1985;30:4-6 **(Ger)**

[Informing the patient in operative medicine] Weissauer W. **Fortschr Kiefer Gesichtschir** 1985;30:9-11 **(Ger)**

[When can exact information on treatment risk be dispensable? The federal court has further differentiated its legal stand on risk information] Krautkrämer H. **Fortschr Med** 1984 Sep 13;102(34):60-1 **(Ger)**

METHODS

Evaluation of two methods of patient education. Olsen KM, et al. **Am J Hosp Pharm** 1985 Mar;42(3):622-4

A theory for timely teaching. McHatton M. **Am J Nurs** 1985 Jul;85(7):798-800

When is the time ripe for teaching? Miller A. **Am J Nurs** 1985 Jul;85(7):801-4

Show and tell. Preparing children for invasive procedures. Waidley EK. **Am J Nurs** 1985 Jul;85(7):811-2

Physicians and the teaching of breast self-examination: implications from a survey at a university teaching hospital. O'Malley MS, et al. **Am J Public Health** 1985 Jun; 75(6):673-5

A preoperative teaching program. Preparing a child for ambulatory surgery. Damron C, et al. **AORN J** 1985 Feb; 41(2):352-4

The role of academic medicine in patient education. Workshop summary: 'educating physicians'. Feigelson EB. **Bull NY Acad Med** 1985 Mar;61(2):160-2

The role of academic medicine in patient education. In pursuit of hypertension program problems. Inui TS. **Bull NY Acad Med** 1985 Mar;61(2):163-70

The role of academic medicine in patient education. Workshop summary: what can be learned from other health professionals. Reader GC. **Bull NY Acad Med** 1985 Mar; 61(2):171-4

Patient education models. Reichman S. **Bull NY Acad Med** 1985 Mar;61(2):155-9

The role of academician as a teacher of patient care. Stoeckle JD. **Bull NY Acad Med** 1985 Mar;61(2):144-54

Readability of literature written for cardiac patients. Conroy RM, et al. **Clin Cardiol** 1985 Feb;8(2):104-6

Self-help clinic for psoriasis. Farber EM, et al. **Cutis** 1984 Oct;34(4):339-40

The oral contraceptive PPI: its effect on patient knowledge, feelings, and behavior. Sands CD, et al. **Drug Intell Clin Pharm** 1984 Sep;18(9):730-5

Evaluation of family health education to build social support for long-term control of high blood pressure. Morisky DE, et al. **Health Educ Q** 1985 Spring;12(1):35-50

Psychological aspects of patient education for stressful medical procedures. Williams CL, et al. **Health Educ Q** 1985 Summer;12(2):135-50 (65 ref.)

A psychoeducational approach to educating chronic mental patients for community living. Barter JT, et al. **Hosp Community Psychiatry** 1984 Aug;35(8):793-7

A randomized controlled trial of a new approach to preoperative teaching and patient compliance. Wong J, et al. **Int J Nurs Stud** 1985;22(2):105-15

Knowledge and attitudes of university health service clients about genital herpes: implications for patient education and counseling. Hillard JR, et al. **J Am Coll Health** 1984 Dec; 33(3):112-7

What is visual training: a patient education handout. Greenburg RM. **J Am Optom Assoc** 1985 Jan;56(1):57-8

An exploratory study: the psychoeducational group treatment of drug-refractory unipolar depression. Antonuccio DO, et al. **J Behav Ther Exp Psychiatry** 1984 Dec;15(4):309-13

The efficacy of personalized audiovisual patient-education materials. Marshall WR, et al. **J Fam Pract** 1984 Nov; 19(5):659-63

Creativity in clinical nursing. Stepp-Gilbert E, et al. **J Nurs Educ** 1985 Jan;24(1):32-3

The effects of education and group discussion in the post myocardial infarction patient. Horlick L, et al. **J Psychosom Res** 1984;28(6):485-92

Patient education re: nuclear war [letter] Cohen DA. **JAMA** 1985 Mar 22-29;253(12):1721

Cancer risk reduction: a focus on physicians. Valente CM, et al. **Md Med J** 1985 Jan;34(1):67-70

Patient education and pediatric oncology. Kramer RF, et al. **Nurs Clin North Am** 1985 Mar;20(1):31-48

Arthritis self-management. A five-year history of a patient education program. Lorig K, et al. **Nurs Clin North Am** 1984 Dec;19(4):637-45

Hysterectomy advice [letter] Crowley J. **NZ Med J** 1985 Jul 24;98(783):609

Ingredients of survival: breast self-examination. Nichols GP. **Obstet Gynecol** 1985 Feb;65(2):295-6

Effective approaches to patient education for the busy pediatrician. Bartlett EE. **Pediatrics** 1984 Nov;74(5 Pt 2):920-3

TIPP usage. Krassner L. **Pediatrics** 1984 Nov;74(5 Pt 2):976-80

Computers in patient education. Cohen J. **Postgrad Med** 1985 Mar;77(4):71-2

Utilization of patient expertise in medication groups. Diamond RJ, et al. **Psychiatr Q** 1984 Spring;56(1):13-9

The dentist's role in cessation of cigarette smoking. O'Shea RM, et al. **Public Health Rep** 1984 Sep-Oct;99(5):510-4

Evaluation of a presurgical group program given at two different times. Lévesque L, et al. **Res Nurs Health** 1984 Sep;7(3):227-36

The perceived needs of Rhode Island physicians concerning patient education programs. Waters WJ, et al.

NEWARK PUBLIC LIBRARY

RI Med J 1985 Jun;68(6):281

Social support and learning in preventive health care. Maida CA. **Soc Sci Med** 1985;21(3):335-9

Educational and exercise programs for asthmatic children. Kohen MD. **South Med J** 1985 Aug;78(8):948-50

Physicians as patient teachers. Brunton SA. **West J Med** 1984 Dec;141(6):855-60 (52 ref.)

[Teaching of diabetics: evaluation of the questions put to patients by health care personnel and the usefulness of a pedagogic analysis] Damoiseaux P, et al. **Diabete Metab** 1985 Feb;11(1):9-14 (Eng. Abstr.) **(Fre)**

[A broad educational approach to insulin-dependent diabetics] de Poret D, et al. **Diabete Metab** 1985 Feb; 11(1):15-21 (Eng. Abstr.) **(Fre)**

[Information help for the care of children with chronic diseases with special reference to written materials] Gottschalk B, et al. **Arztl Jugendkd** 1984 Oct;75(5):308-15 (Eng. Abstr.) **(Ger)**

[Staged informing of the patient in oro-maxillo-facial surgery] Schwenzer N. **Fortschr Kiefer Gesichtschir** 1985; 30:11-5 **(Ger)**

[Frequent errors in the therapy of chronic obstructive airway diseases] Schmidt OP. **Prax Klin Pneumol** 1984 Aug; 38(8):329-38 **(Ger)**

[Significance of verbal medical information for anxiety reduction and knowledge: an empirical study of patients with uterine prolapse] Strauss B, et al. **Psychother Psychosom Med Psychol** 1984 Sep-Oct; 34(9-10):246-51 (Eng. Abstr.) **(Ger)**

[Advice for pregnant patients, breast feeding women and families with small children before travel to the tropics] Sigg-Farner C. **Ther Umsch** 1985 Jan;42(1):40-7 (Eng. Abstr.) **(Ger)**

[Preoperative education consultation from the viewpoint of the patient] Bökamp H, et al. **Z Orthop** 1984 Sep-Oct; 122(5):623-7 (Eng. Abstr.) **(Ger)**

[Needs and expectations of elderly patients in inpatient facilities] Glomb E. **ZFA** 1985 May-Jun;40(3):177-81 **(Ger)**

[Implications of excessive use of alcoholic beverages in the treatment of diabetes mellitus. Importance of a personalized instruction program for the prevention of short-term complications] Proto G, et al. **Minerva Med** 1985 May 19; 76(21):993-7 (Eng. Abstr.) **(Ita)**

ORGANIZATION & ADMINISTRATION

Educating patients: a headache for administration. Fergusson KS, et al. **Dimens Health Serv** 1984 Sep;61(9):46-7

[Learning self care] Besner G. **Union Med Can** 1984 Jun; 113(6):540-2 (Eng. Abstr.) **(Fre)**

STANDARDS

Assessing physician/patient perceptions in rheumatoid arthritis. A vital component in patient education. Silvers IJ, et al. **Arthritis Rheum** 1985 Mar;28(3):300-7

Certification of outpatient diabetes education programs. **Iowa Med** 1985 Jan;75(1):32-4

Evaluation of a family asthma program. Hindi-Alexander MC, et al. **J Allergy Clin Immunol** 1984 Oct;74(4 Pt 1):505-10

An exploratory study of antenatal preparation for cesarean birth. Fawcett J, et al. **J Obstet Gynecol Neonatal Nurs** 1985 May-Jun;14(3):224-30

Effects of an educational intervention on the rate of recurrent urinary tract infections in selected female outpatients. Lumsden L, et al. **Women Health** 1985 Spring;10(1):79-86

[Preoperative information to the patient before maxillary surgery interventions based on a standardized procedure] Aderhold L, et al. **Fortschr Kiefer Gesichtschir** 1985; 30:15-8 **(Ger)**

TRENDS

The role of academic medicine in patient education: report of findings and recommendations. Committee on Medicine in Society. Committee on Medical Education. **Bull NY Acad Med** 1985 Mar;61(2):218-24

The role of academic medicine in patient education. Implementing change: a view from a medical school. Haynes MA. **Bull NY Acad Med** 1985 Mar;61(2):184-8

The role of academic medicine in patient education. State of the art in research and evaluation. Levine DM, et al. **Bull NY Acad Med** 1985 Mar;61(2):135-43

The role of academic medicine in patient education. Panel discussion: implementing changes within the academic medical center. Lewis CE, et al. **Bull NY Acad Med** 1985 Mar;61(2):203-11

The role of academic medicine in patient education. Implementing change within the academic medical center. Sheps CG. **Bull NY Acad Med** 1985 Mar;61(2):175-83

Health promotion programs flourishing: survey. Ross CK, et al. **Hospitals** 1985 Aug 16;59(16):128, 132-5

PATIENT-FAMILY LODGING see **HOUSING**

PATIENT IDENTIFICATION SYSTEMS

Problem-oriented record: effect on problem identification in the hospital. Margolis CZ, et al. **Isr J Med Sci** 1984 Nov; 20(11):1044-50

A system of alias assignment for unidentified patients requiring emergency hospital admission. Robinson G, et al. **J Trauma** 1985 Apr;25(4):333-6

Identification of patients in medical data bases--soundex codes versus match code. Goehring R. **Med Inf (Lond)** 1985 Jan-Mar;10(1):27-34

Medic Alert bracelets [letter] **Med J Aust** 1985 Jan 21; 142(2):167-8

PATIENT ISOLATION

see related

QUARANTINE

Commissioning a new hospital isolation unit and assessment of its use over five years. Rahman M. **J Hosp Infect** 1985 Mar;6(1):65-70

Infectious disease units [editorial] **J Infect** 1984 Sep; 9(2):111-2

An analysis of 12 months admissions to a regional infection unit with an open door admission policy. Ellis ME, et al. **J Infect** 1985 Jan;10(1):4-16

Humanistic care of the patient in seclusion. Baradell JG. **J Psychosoc Nurs Ment Health Serv** 1985 Feb;23(2):9-14

Restraint and seclusion. A standard and standard care plan. Roper JM, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Jun;23(6):18-23

'Bubble Boy' [editorial] Rennie D. **JAMA** 1985 Jan 4; 253(1):78-80

[Changes in the regulations regarding the length of the isolation period of patients with chickenpox] Trlifajová J, et al. **Cesk Pediatr** 1984 Oct;39(10):606-10 (Eng. Abstr.) **(Cze)**

[Use of non-absorbable oral antibiotics in a simple reverse isolation environment for the prevention of infection in the immediate post-transplant period] Zabala P, et al. **Sangre (Barc)** 1984;29(4-A):423-8 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[A Czechoslovakian aseptic unit for strict reverse isolation] Bláha M, et al. **Cas Lek Cesk** 1985 Mar 1;124(9):278-80 (Eng. Abstr.) **(Cze)**

METHODS

A new approach to the isolation of hospitalized patients with infectious diseases: alternative systems. Haley RW, et al. **J Hosp Infect** 1985 Jun;6(2):128-39

[The principle of reversible gnotobiological isolation] Ginodman GA, et al. **Vestn Akad Med Nauk SSSR** 1984 (9):32-8 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Looking out from the isolator: David's perception of the world. Murphy MA, et al. **J Dev Behav Pediatr** 1985 Jun; 6(3):118-21

Bubble Boy [letter] **JAMA** 1985 Aug 23-30;254(8):1036-7

David the 'Bubble Boy' and the boundaries of the human. Lawrence RJ. **JAMA** 1985 Jan 4;253(1):74-6

[Psychosocial aspects and the quality of life of patients treated with bone marrow transplantation] Krišković JZ. **Lijec Vjesn** 1985 May;107(5):196-8 (Eng. Abstr.) **(Ser)**

STANDARDS

Bringing the new isolation guideline into focus. Larson E. **Am J Infect Control** 1984 Dec;12(6):312-7 (21 ref.)

TRENDS

Isolation practices: a historical perspective. Jackson MM, et al. **Am J Infect Control** 1985 Feb;13(1):21-31

Isolation units and policies. **J Hosp Infect** 1985 Jun;6(2):121-2

PATIENT ISOLATORS

Looking out from the isolator: David's perception of the world. Murphy MA, et al. **J Dev Behav Pediatr** 1985 Jun; 6(3):118-21

David's story: the gift of 12 years, 5 months, and 1 day. Bealmear PM, et al. **Prog Clin Biol Res** 1985;181:475-89

Gnotobiotics and human marrow transplantation. Buckner CD. **Prog Clin Biol Res** 1985;181:423-7

[Gnotobiological principles of the prevention and treatment of mechanical injuries of the limbs] Ali-Zade ChA, et al. **Khirurgiia (Mosk)** 1985 May;(5):69-71 (Eng. Abstr.) **(Rus)**

[Treatment of severe open bone fractures of the extremities in children using local gnotobiological isolation] Nemsadze VP, et al. **Vestn Akad Med Nauk SSSR** 1984;(9):27-31 (Eng. Abstr.) **(Rus)**

[Treatment of burns with infrared rays in patient isolators] Kuzin MI, et al. **Vestn Khir** 1985 Mar;134(3):74-9 (Eng. Abstr.) **(Rus)**

PATIENT NON-COMPLIANCE see **PATIENT COMPLIANCE**

PATIENT OMBUDSMEN see **PATIENT ADVOCACY**

PATIENT OUTCOME ASSESSMENT see **OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)**

PATIENT PARTICIPATION

see related

ATTITUDE TO HEALTH

Who declines from antenatal serum alpha-fetoprotein screening--and why? Berne-Fromell K, et al. **Acta Obstet Gynecol Scand** 1984;63(8):687-91

The kindly stress of hospitalization [letter] **Am J Med** 1985 Apr;78(4):A78, A90

Expanding patient involvement in care. Effects on patient outcomes. Greenfield S, et al. **Ann Intern Med** 1985 Apr; 102(4):520-8

Counseling patients to counsel physicians on future care in the event of patient incompetence. Schneiderman LJ, et al. **Ann Intern Med** 1985 May;102(5):693-8

The 'birth plan' experience. Ekeocha CE, et al. **Br J Obstet Gynaecol** 1985 Jan;92(1):97-101

Why patient participation groups stop functioning: general practitioners' viewpoint. Mann RG. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):209-11

Active-involvement principle in dental health education. Schou L. **Community Dent Oral Epidemiol** 1985 Jun; 13(3):128-32

Participation in a clinical trial: the patients' point of view. Mattson ME, et al. **Controlled Clin Trials** 1985 Jun; 6(2):156-67

The case of Mary Hier: when substituted judgment becomes sleight of hand. Annas GJ. **Hastings Cent Rep** 1984 Aug; 14(4):23-5

The need for hospitalization as perceived by emergency room patients and clinicians. Wood KA, et al. **Hosp Community Psychiatry** 1984 Aug;35(8):830-2

Patient preferences in surgery for scoliosis. Bunch WH, et al. **J Bone Joint Surg [Am]** 1985 Jun;67(5):794-9

The family and terminal care decisions [editorial] Brody H. **J Fam Pract** 1985 Apr;20(4):343-4

The shared burden: when physicians and families decide to forego life-sustaining treatment. Erstling SS. **J Fam Pract** 1985 Apr;20(4):393-9

Patients' willingness to take risks in the management of pharyngitis. Herman JM. **J Fam Pract** 1984 Dec; 19(6):767-72

The use of patients' preferences in family practice. Herman JM. **J Fam Pract** 1985 Feb;20(2):153-6

Why women choose trial of labor or repeat cesarean section. McClain CS. **J Fam Pract** 1985 Sep;21(3):210-6

A rejection of doctors as moral guides. Ackroyd DE. **J Med Ethics** 1984 Sep;10(3):147

Dignity and cost-effectiveness: a rejection of the utilitarian approach to death. Brooks SA. **J Med Ethics** 1984 Sep; 10(3):148-51

Why you don't owe it to yourself to seek health. Gorovitz S. **J Med Ethics** 1984 Sep;10(3):143-6

Patients' ethical obligation for their health. Sider RC, et al. **J Med Ethics** 1984 Sep;10(3):138-42

Putting the patient on the team: a teaching strategy. Zawacki N, et al. **J Nurs Educ** 1984 Oct;23(8):346-8

Expectation and experience in alternative and conventional birth. Chute GE. **J Obstet Gynecol Neonatal Nurs** 1985 Jan-Feb;14(1):61-7

What the patient wants from patient participation. Hutton A, et al. **J R Coll Gen Pract** 1985 Mar;35(272):133-5

Consumer-oriented groups: a new approach to interdisciplinary teaching. Pearson A, et al. **J R Coll Gen Pract** 1985 Aug;35(277):381-3

Breast cancer--patient choice of treatment: preliminary communication. Ashcroft JJ, et al. **J R Soc Med** 1985 Jan; 78(1):43-6

Competency and consent to treatment [letter] Eth S. **JAMA** 1985 Feb 8;253(6):778-9

Do patients want to participate in medical decision making? Strull WM, et al. **JAMA** 1984 Dec 7;252(21):2990-4

How to participate in your own health: a cancer patient's view. Skinner B. **Lancet** 1984 Oct 27;2(8409):971-2

Medical decision-making patient participation. Wolfgarten A, et al. **Med Leg J** 1984;52 (Pt 3):180-90

Patient education and pediatric oncology. Kramer RF, et al. **Nurs Clin North Am** 1985 Mar;20(1):31-48

Autonomy and the doctor-patient relationship. **Theor Med** 1984 Feb;5(1):1-116

Medical ethics and the two dogmas of liberalism. Ackerman TF. **Theor Med** 1984 Feb;5(1):69-81

The range of autonomy: informed consent in medicine. Beasley AD, et al. **Theor Med** 1984 Feb;5(1):31-41

Metaphors and models of doctor-patient relationships: their implications for autonomy. Childress JF, et al. **Theor Med** 1984 Feb;5(1):17-30

Patients' autonomy: three models of the professional-lay relationship in medicine. Ozar DT. **Theor Med** 1984 Feb; 5(1):61-8

Autonomy and coercion in disease prevention and health promotion. Pellegrino ED. **Theor Med** 1984 Feb;5(1):83-91

Physician and patient: respect for mutuality. Smith DG, et al. **Theor Med** 1984 Feb;5(1):43-60

Delineating paternalism in pediatric care. Sorenson JH, et al. **Theor Med** 1984 Feb;5(1):93-104

Promoting patient autonomy: looking back. Stollerman GH. **Theor Med** 1984 Feb;5(1):8-16

Autonomy in the doctor-patient relation. Thomasma DC. **Theor Med** 1984 Feb;5(1):1-7

[Participation of the population in preventive measures] Volozh OI, et al. **Sov Zdravookhr** 1984;(8):12-4 (Eng.

Abstr.) **(Rus)**

PATIENT READMISSION

The early readmission of the elderly to hospital. Victor CR, et al. **Age Ageing** 1985 Jan;14(1):37-42
Psychiatric recidivism in a psychosocial rehabilitation setting: a survival analysis. Setze PJ, et al. **Hosp Community Psychiatry** 1985 May;36(5):521-4
Hospital readmissions among the elderly. Gooding J, et al. **J Am Geriatr Soc** 1985 Sep;33(9):595-601
Nonelective readmissions of medical patients. Smith DM, et al. **J Chronic Dis** 1985;38(3):213-24
Children with recurrent hospitalizations: a problem of disabled children, parents, and physicians. Barbero GJ. **J Dev Behav Pediatr** 1984 Dec;5(6):319-24
Rehospitalization in chronic schizophrenia. Caton CL, et al. **J Nerv Ment Dis** 1985 Mar;173(3):139-48
Severe alcoholism in the mental health sector: II. Effects of service utilization on readmission. Siegel C, et al. **J Stud Alcohol** 1984 Nov;45(6):510-6
Hospital readmissions among survivors six months after myocardial revascularization. Stanton BA, et al. **JAMA** 1985 Jun 28;253(24):3568-73
Readmission rates [letter] Jones J. **Lancet** 1985 Jun 8; 1(8441):1335

ECONOMICS

DRGs and hospital readmissions [letter] **N Engl J Med** 1985 Mar 21;312(12):793-4
Hospital readmissions in the Medicare population. Anderson GF, et al. **N Engl J Med** 1984 Nov 22;311(21):1349-53

TRENDS

A review of early medical readmissions at the Flinders Medical Centre. Popplewell PY, et al. **Aust Clin Rev** 1984 Mar;(11):3-5
Readmissions for treatment for alcoholism. Wells JE, et al. **NZ Med J** 1985 Jun 26;98(781):500-3

PATIENT REPRESENTATIVES see **PATIENT ADVOCACY**

PATIENT SATISFACTION see **CONSUMER SATISFACTION**

PATIENT SCHEDULES see **APPOINTMENTS AND SCHEDULES**

PATIENTS

The special characteristics of suicide in hospital in-patients. Crammer JL. **Br J Psychiatry** 1984 Nov;145:460-3
Suicide in high buildings. Salmons PH. **Br J Psychiatry** 1984 Nov;145:469-72
A survey of unexpected deaths among psychiatric in-patients and ex-patients. Shaw S, et al. **Br J Psychiatry** 1984 Nov; 145:473-6
Influence of patient characteristics on test ordering in general practice. Hartley RM, et al. **Br Med J [Clin Res]** 1984 Sep 22;289(6447):735-8
The patient as the focus of teaching [editorial] Brownell AK, et al. **Can Med Assoc J** 1984 Oct 15;131(8):855-7
Validation of the patient roster in a primary care practice. Anderson JE, et al. **Health Serv Res** 1985 Aug;20(3):301-14
Patient abuse [letter] Gutheil TG. **Hosp Community Psychiatry** 1984 Aug;35(8):832
Nutritional status, energy and protein intake in general medical patients in three Nordic hospitals. Sandström B, et al. **Hum Nutr Appl Nutr** 1985 Apr;39(2):87-94
What do patients eat in hospital? Todd EA, et al. **Hum Nutr Appl Nutr** 1984 Aug;38(4):294-7
Type-I and type-III HTLV antibodies in hospitalized and out-patient Zairians. Gazzolo L, et al. **Int J Cancer** 1985 Sep 15;36(3):373-8
Epidemiology of enterobacteria resistant to cefotaxime in hospital. Tancrede CH, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl B:53-7
Current availability of patients in dental hygiene programs. Cross GN, et al. **J Dent Educ** 1985 Aug;49(8):570-2
Characteristics of dental teaching patients. Entwistle BA, et al. **J Dent Educ** 1985 Sep;49(9):640-4
Current and future projections of dental school patient availability. Meskin LH, et al. **J Dent Educ** 1985 Aug; 49(8):565-9
Medicolegal problems of elopement from psychiatric units. Molnar G, et al. **J Forensic Sci** 1985 Jan;30(1):44-9
Early detection and outpatient management of alcoholism: a curriculum for medical residents. Barnes HN, et al. **J Med Educ** 1984 Nov;59(11 Pt 1):904-6
The use of written simulations and trained patients to evaluate a course in rheumatology. Saylor-Bronstein R, et al. **J Med Educ** 1985 Aug;60(8):650-2
Patient responses to a training interview. Shore BE, et al. **J Med Educ** 1984 Nov;59(11 Pt 1):901-3
Attitudes of medical students toward psychiatric, oncologic, and general medical patients. Wachtel A, et al. **J Med Educ** 1985 Apr;60(4):337-9
The patient as teacher. Weisser RJ Jr, et al. **J Med Educ** 1985 Jan;60(1):63-5
Non-patient decision-making in medicine: the eclipse of altruism. Battin MP. **J Med Philos** 1985 Feb;10(1):19-44
Volitional disability and physician attitudes toward noncompliance. Ferrell RB, et al. **J Med Philos** 1984 Nov; 9(4):333-51
Informed consent: patient's right or patient's duty? Hull RT. **J Med Philos** 1985 May;10(2):183-97
Patients with reduced agency: conceptual, empirical, and ethical considerations. McCullough LB. **J Med Philos** 1984 Nov;9(4):329-31
Patient truthfulness: a test of models of the physician-patient relationship. Vanderpool HY, et al. **J Med Philos** 1984 Nov; 9(4):353-72
Patient violence. Report of 200 incidents. Jones MK. **J Psychosoc Nurs Ment Health Serv** 1985 Jun;23(6):12-7
Patients' attitudes to chaperones. Jones R. **J R Coll Gen Pract** 1985 Apr;35(273):192-3
Measurement of physician performance by standardized patients. Refining techniques for undetected entry in physicians' offices. Woodward CA, et al. **Med Care** 1985 Aug;23(8):1019-27
Impact of supervision by medical teachers and in-patient test control programmes on the out-patient test utilization of residents. Everett GD. **Med Educ** 1985 Mar;19(2):138-42
Selection of patients for cardiac transplantation [editorial] Chang VP, et al. **Med J Aust** 1985 Mar 4;142(5):288-9
Smoke-free hospitals. Attitudes of patients, employees, and faculty. Kottke TE, et al. **Minn Med** 1985 Jan;68(1):53-5, 22
The dangerous patient: how to assess them, how to manage them. Edwards KS. **Ohio State Med J** 1985 Jul;81(7):471-3
The patient, the plastic surgeon, and informed consent: new insights into old problems. Redden EM, et al. **Plast Reconstr Surg** 1985 Feb;75(2):270-6
A comparative study of the pituitary TSH response to thyrotropin in outpatient depressives. McGrath PJ, et al. **Psychiatry Res** 1984 Jul;12(3):185-93
Cortisol response to dextroamphetamine stimulation in depressed outpatients. Stewart JW, et al. **Psychiatry Res** 1984 Jul;12(3):195-206
Effect of an implemented fall prevention program on the frequency of patient falls. Rainville NG. **QRB** 1984 Sep; 10(9):287-91
Outpatient arteriography: its safety and cost effectiveness. Wolfel DA, et al. **Radiology** 1984 Nov;153(2):363-4
Neglect of syphilis in hospitalized patients. Tomecki KJ, et al. **South Med J** 1984 Sep;77(9):1118-20
Prevalence of protein-calorie malnutrition in hospitalized patients. Chen WJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Feb;84(2):228-37
Patients--a virtue? Stevenson M. **Ulster Med J** 1983; 52(1):19-30
[The world of physicians, nurses and patients (letter)] **Orv Hetil** 1985 Jun 23;126(25):1565 **(Hun)**
[Clinical statistics on outpatients during the 5 years period (from 1978 Nov. 1st to 1983 Dec. 31st) after the opening of the Urological Clinic of East Sapporo Sanjukai Hospital (II)] Kato S, et al. **Hinyokika Kiyo** 1984 Nov; 30(11):1677-84 (Eng. Abstr.) **(Jpn)**
[Clinical statistics on outpatients at the Urological Clinic of East Sapporo Sanjukai Hospital in 1983] Tanda H, et al. **Hinyokika Kiyo** 1984 Nov;30(11):1671-6 (Eng. Abstr.) **(Jpn)**
[Rate of detection of P. aeruginosa from inpatients and healthy subjects] Satsuta K, et al. **Nippon Ika Daigaku Zasshi** 1984 Oct;51(5):625-8 **(Jpn)**
[Heart diseases in children: comparative study of 1257 cases attended in outpatient clinics and hospital wards] Atik E, et al. **Arq Bras Cardiol** 1984 May;42(5):311-4 (Eng. Abstr.) **(Por)**
[The patient in the history of medicine] Guarner V, et al. **Gac Med Mex** 1983 Aug;119(8):301-14 **(Spa)**
[Biosocial analysis of the patients entering a prenatal clinic] De La Garza Quintanilla C, et al. **Ginecol Obstet Mex** 1984 May;52(325):127-32 (Eng. Abstr.) **(Spa)**
[Hepatitis B surface antigens (HBsAg) and anti-HBs antibodies in outpatients and hospital personnel] Velasco M, et al. **Rev Med Chil** 1984 Oct;112(10):994-7 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

An OR patient acuity system. Variable billing for surgical services. Hart MM. **AORN J** 1985 Mar;41(3):555-63
Patient classification systems and the nursing department. Bermas NF, et al. **Hospitals** 1984 Nov 16;58(22):99-100
An analysis of the heterogeneity of U.S. nursing home patients. Manton KG, et al. **J Gerontol** 1985 Jan;40(1):34-46
Computerization of patient acuity and nursing care planning. New approach to improved patient care and cost-effective staffing. Adams R, et al. **J Nurs Adm** 1985 Apr;15(4):11-7
Do DRG reimbursement rates reflect nursing costs? Mowry MM, et al. **J Nurs Adm** 1985 Jul-Aug;15(7-8):29-35
Building a classification system that works. Unger J. **J Nurs Adm** 1985 Jul-Aug;15(7-8):18-24
The use of Grade of Membership analysis to evaluate and modify diagnosis-related groups. Manton KG, et al. **Med Care** 1984 Dec;22(12):1067-82
Patient predictors of hospice choice. Hospital versus home care programs. Mor V, et al. **Med Care** 1985 Sep; 23(9):1115-9
Nurse acuity systems: CASH vs. GRASP (a determination of nurse staff requirements). Schroeder RE, et al. **Nurs Forum** 1984;21(2):72-7
Patient classification in community health nursing. Sienkiewicz JI. **Nurs Outlook** 1984 Nov-Dec;32(6):319-21
The ICD-9-CM DRGs: increased homogeneity through use of AS-SCORE. Panniers TL, et al. **QRB** 1985 Feb; 11(2):47-52

PSYCHOLOGY

Medical treatment of peptic ulcer disease: is it truly efficacious? Goldberg MA. **Am J Med** 1984 Oct; 77(4):589-91
Inspiring hope. Miller JF. **Am J Nurs** 1985 Jan;85(1):22-5
Denial in clinical medicine. A reexamination of the concept and its significance. Shelp EE, et al. **Arch Intern Med** 1985 Apr;145(4):697-9
Memory testing [letter] Kellett JM. **Br J Hosp Med** 1985 May;33(5):298
Complaints of patients presenting for psychotherapy in 1938 versus 1978. Gill H. **Br J Med Psychol** 1985 Mar;58 (Pt 1):55-6
An evaluation of three crisis intervention programmes for general hospital patients. Viney LL, et al. **Br J Med Psychol** 1985 Mar;58 (Pt 1):75-86
Assessment of suicide risk in psychiatric in-patients. Morgan HG, et al. **Br J Psychiatry** 1984 Nov;145:467-9
Unrecognised psychiatric illness in medical patients [editorial] Nabarro J. **Br Med J [Clin Res]** 1984 Sep 15; 289(6446):635-6
Repeat prescriptions: was Balint right? Tombleson PM. **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1506-8
The special patient on the medical/surgical ward [letter] Stewart DE. **Can J Psychiatry** 1984 Apr;29(3):284-5
'Wounded healers' can help give hospital patients more humane care [editorial] Morgan PP. **Can Med Assoc J** 1984 Dec 1;131(11):1335-6
Patients, physicians, and unproven remedies. Wasner CK. **Clin Exp Rheumatol** 1984 Jan-Mar;2(1):93-6
Patient attitudes towards radiographic examinations involving contrast media. Allan D, et al. **Clin Radiol** 1984 Nov;35(6):457-9
Health-related aspects of lifestyle in general hospital patients. Oldenburg B, et al. **Community Health Stud** 1984;8(3):281-7
Medical and surgical inpatients who referred themselves for psychiatric consultation. Fulop G, et al. **Gen Hosp Psychiatry** 1985 Jul;7(3):267-71
A view toward hospitalization: the Mexican American experience. Mardiros M. **J Adv Nurs** 1984 Sep;9(5):469-78
Nurse/patient dependency--is it iatrogenic? Miller A. **J Adv Nurs** 1985 Jan;10(1):63-9
Attitudinal stumbling blocks to geriatric rehabilitation. Hesse KA, et al. **J Am Geriatr Soc** 1984 Oct;32(10):747-50
The functions of the hospital emergency department: a study of patient demand. Calnan M. **J Emerg Med** 1984;2(1):57-63
Use of psychologic testing in characterizing the frequent user of ambulatory health care services. Marron JT, et al. **J Fam Pract** 1984 Dec;19(6):802, 806
Contracting for care. One nursing approach to the hospitalized borderline patient. McEnany GW, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Apr;23(4):11-8
Response of patients and doctors to the 1983 'pill scare'. Ritchie LD, et al. **J R Coll Gen Pract** 1984 Nov; 34(268):600-2
Managing the care of the difficult patient in the emergency unit. Makadon HJ, et al. **JAMA** 1984 Nov 9;252(18):2585-8
Acceptance of nurse practitioners: patient behavioral indicators. Facione NW, et al. **Nurse Pract** 1985 Jan; 10(1):54, 56-7
Peace and quiet. Bluestone N. **Penn Med** 1984 Dec;87(12):54, 56
On preserving the healing power of hope. Stevenson I. **Pharos** 1984 Summer;47(3):20-2
Self-destructive behavior in hospitalized medical and surgical patients. Kellner CH, et al. **Psychiatr Clin North Am** 1985 Jun;8(2):279-89 (18 ref.)
Symptom change over time among Hmong refugees: psychiatric patients versus nonpatients. Westermeyer J, et al. **Psychopathology** 1984;17(4):168-77
Perceived uncertainty and stress in illness. Mishel MH. **Res Nurs Health** 1984 Sep;7(3):163-71
Patients' perception of dentists' positive and negative attributes. Liddell A, et al. **Soc Sci Med** 1984;19(8):839-42
Sex differences in the psychological reactions of medical and surgical patients to crisis intervention counseling: sauce for the goose may not be sauce for the gander. Viney LL, et al. **Soc Sci Med** 1985;20(11):1199-205
Patient understanding of oral contraceptive side effects. Goldfield N, et al. **West J Med** 1985 Mar;142(3):417-8
[Truth at the hospital bed] Haškovcová H. **Cas Lek Cesk** 1984 Jul 13;123(28):854-9 (Eng. Abstr.) **(Cze)**
[Psychological diagnostics in internal medicine] Langmeier J. **Vnitr Lek** 1985 Apr;31(4):332-6 (Eng. Abstr.) **(Cze)**
[The second diagnosis] Krol LJ, et al. **Ned Tijdschr Geneeskd** 1984 Dec 22;128(51):2385-7 **(Dut)**
[Psychiatric disorders in elderly hospitalized patients: prevalence and recognition] Heeren TJ, et al. **Tijdschr Gerontol Geriatr** 1985 Apr;16(2):53-9 (Eng. Abstr.) **(Dut)**
[The patient as 'demander': myth or reality? Preliminary correlative study] Janne P, et al. **Acta Psychiatr Belg** 1984; 84:559-71 (Eng. Abstr.) **(Fre)**
[Psychogenic prosthesis intolerance: therapeutic possibilities] Fassbind O. **Schweiz Monatsschr Zahnmed** 1985 Jul; 95(7):595-8 **(Ger)**

[Psychological distress among medical inpatients. Comparison between geriatric patients and adults using the SCL-90] Magni G, et al. **Minerva Psichiatr** 1984 Oct-Dec; 25(4):227-32 (Eng. Abstr.) **(Ita)**

[Group dynamics among long-term inpatients from the viewpoint of medical psychology] Maruyama Y, et al. **Nippon Ika Daigaku Zasshi** 1984 Aug;51(4):419-25 (Eng. Abstr.) **(Jpn)**

[Stress reactivity among patients admitted to a general hospital] de Rivera JL, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 May-Jun; 12(3):207-13 (Eng. Abstr.) **(Spa)**

[Prevalence of depressive symptoms among patients admitted to a general hospital] Morera Fumero AL, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Nov-Dec; 12(6):409-15 (Eng. Abstr.) **(Spa)**

[Diagnosis and treatment. What do patients know?] Roizblatt A, et al. **Bol Of Sanit Panam** 1984 Dec;97(6):491-6 (Eng. Abstr.) **(Spa)**

PATIENTS' RIGHTS see **PATIENT ADVOCACY**

PATIENTS' ROOMS see under **HEALTH FACILITIES**

PATIENTS' VISITORS see **VISITORS TO PATIENTS**

PATTERN RECOGNITION

Standardization of dyes and stains for automated cell pattern recognition. Wittekind D. **Anal Quant Cytol** 1985 Mar; 7(1):6-30 (116 ref.)

Selective networks and recognition automata. Reeke GN Jr, et al. **Ann NY Acad Sci** 1984;426:181-201

Distinguished words in data sequences: analysis and applications to neural coding and other fields. Dayhoff JE. **Bull Math Biol** 1984;46(4):529-43

Pattern recognition in several sequences: consensus and alignment. Waterman MS, et al. **Bull Math Biol** 1984; 46(4):515-27

TSCORE: a T-score profile pattern analysis program. Ayiomamitis A, et al. **Comput Programs Biomed** 1985; 19(2-3):209-16

The interpretation of continuous wave ultrasonic Doppler blood velocity signals viewed as a problem in pattern recognition. Evans DH. **J Biomed Eng** 1984 Oct; 6(4):272-80

A novel procedure for pattern analysis of features present on freeze-fractured plasma membranes. Appleyard ST, et al. **J Cell Sci** 1985 Mar;74:105-17

Theory of shape-invariant imaging systems. Klopfenstein RW, et al. **J Opt Soc Am [A]** 1984 Oct;1(10):1040-53

The usefulness, in pharmacological classification, of complementary pattern-recognition techniques and structure modelling as afforded by the iterative collation of multiple-trial data in data banks. Cingolani ML, et al. **Pharmacol Res Commun** 1985 Jan;17(1):1-22 (31 ref.)

Computerized pattern recognition: a new technique for the analysis of chemical communication. Smith AB 3d, et al. **Science** 1985 Apr 12;228(4696):175-7

Computer based pattern recognition of carotid artery Doppler signals for disease classification: prospective validation. Langlois YE, et al. **Ultrasound Med Biol** 1984 Sep-Oct;10(5):581-95

[Discrimination and artificial intelligence] Mařík V, et al. **Cas Lek Cesk** 1985 Jun 14;124(24):737-41 (Eng. Abstr.) **(Cze)**

[Improvement in precision of QRS pattern recognition in Holter electrocardiography] Watanabe T. **Iyodenshi To Seitai Kogaku** 1984 Sep;22(5):360-1 **(Jpn)**

[Development of a reporting system with voice entry for radiological imaging and its application for liver scintigraphy] Shishido F, et al. **Kaku Igaku** 1984 Jun; 21(6):679-86 (Eng. Abstr.) **(Jpn)**

[Diagnostic imaging by radioisotopes. General theories (II) Introduction to digital image analysis] Matsuyama T. **Radioisotopes** 1984 Nov;33(11):824-33 (11 ref.) **(Jpn)**

PATTERN RECOGNITION, VISUAL see under **FORM PERCEPTION**

PATULIN see under **PYRANS**

PAVOR NOCTURNUS see **SLEEP DISORDERS**

PCA see **PASSIVE CUTANEOUS ANAPHYLAXIS**

PCP ABUSE see **PHENCYCLIDINE ABUSE**

PEAK EXPIRATORY FLOW RATE see under **FORCED EXPIRATORY FLOW RATES**

PEANUTS

Peanut shell colitis. Keeffe EB, et al. **Arch Intern Med** 1985 Jul;145(7):1314-5

Lectins as probes in histochemistry and immunohistochemistry: the peanut (Arachis hypogaea) lectin. Cooper HS. **Hum Pathol** 1984 Oct;15(10):904-6

Aflatoxin in respirable airborne peanut dust. Sorenson WG, et al. **J Toxicol Environ Health** 1984;14(4):525-33

ADVERSE EFFECTS

Skin test, RAST and clinical reactions to peanut allergens in children. Kemp AS, et al. **Clin Allergy** 1985 Jan; 15(1):73-8

ANALYSIS

A note on the screening of dried shrimps, shrimp paste and raw groundnut kernels for aflatoxin-producing Aspergillus flavus. Sim TS, et al. **J Appl Bacteriol** 1985 Jul;59(1):29-34

Rapid quantitation and confirmation of aflatoxins in corn and peanut butter, using a disposable silica gel column, thin layer chromatography, and gas chromatography/mass spectrometry. Trucksess MW, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):973-5

MICROBIOLOGY

Circumstantial evidence for phytoalexin involvement in the resistance of peanuts to Aspergillus flavus. Wotton HR, et al. **J Gen Microbiol** 1985 Mar;131 (Pt 3):487-94

PEAS see **LEGUMES**

PEAT see **SOIL**

PEAT THERAPY see **MUD THERAPY**

PECTEN OCULI see **RETINAL VESSELS**

PECTINS

Isolation of lactic whey proteins in the form of complexes with apple pectin. Serov AV, et al. **Nahrung** 1985; 29(1):19-30

ADMINISTRATION & DOSAGE

Effect of increased amounts of pectin on a solid-liquid meal digestion in healthy man. Flourie B, et al. **Am J Clin Nutr** 1985 Sep;42(3):495-503

Colonic bacterial flora and serum cholesterol: alterations induced by dietary citrus pectin. Vargo D, et al. **Am J Gastroenterol** 1985 May;80(5):361-4

Dosage errors involving opium [letter] Souney PF, et al. **JAMA** 1984 Dec 21;252(23):3251-2

[Effect of a pectin-containing bran product on gastrointestinal passage and metabolism] Matzkies F, et al. **Fortschr Med** 1985 Jun 13;103(22):616-8 (Eng. Abstr.) **(Ger)**

[Determining the effect of a pectin-enriched standard diabetic diet on diurnal blood glucose profiles and serum insulin (IRI) levels in diabetes mellitus type 2] Górnicka M, et al. **Pol Tyg Lek** 1984 Apr 30;39(18):597-601 **(Pol)**

[Effect of pectins on glucose tolerance and insulinemia (IRI) in patients with diabetes mellitus type 2 associated with obesity] Górnicka M, et al. **Pol Tyg Lek** 1984 Apr 30; 39(18):593-5 **(Pol)**

ADVERSE EFFECTS

[Intestinal occlusion and enterocolitis caused by Gelopectose] Mercier JC, et al. **Arch Fr Pediatr** 1984 Dec;41(10):709-10 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Distribution of free carboxyl groups in native pectins from fruits and vegetables] Anger H, et al. **Nahrung** 1985; 29(4):397-404 (Eng. Abstr.) **(Ger)**

[The distribution of free and esterified carboxyl groups within the pectin molecule after the action of pectin esterase from Aspergillus niger and oranges] Kohn R, et al. **Nahrung** 1985;29(1):75-85 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Isolation and characterization of Tn5 insertion mutants of Erwinia chrysanthemi that are deficient in polygalacturonate catabolic enzymes oligogalacturonate lyase and 3-deoxy-D-glycero-2,5-hexodiulosonate dehydrogenase. Chatterjee AK, et al. **J Bacteriol** 1985 May; 162(2):708-14

ISOLATION & PURIFICATION

Isolation and characterization of the proteinase inhibitor-inducing factor from tomato leaves. Identity and activity of poly- and oligogalacturonide fragments. Bishop PD, et al. **J Biol Chem** 1984 Nov 10;259(21):13172-7

METABOLISM

Production, purification and partial characterization of an endo-polygalacturonase from Cryptococcus albidus var. albidus. Federici F. **Antonie Van Leeuwenhoek** 1985; 51(2):139-50

Nutritionally limited pectinolytic bacteria from the human intestine. Jensen NS, et al. **Appl Environ Microbiol** 1985 Jul;50(1):172-3

Location and characteristics of enzymes involved in the breakdown of polygalacturonic acid by Bacteroides thetaiotaomicron. McCarthy RE, et al. **J Bacteriol** 1985 Feb;161(2):493-9

[Immobilization of proteolytic complexes on pectin-containing carriers] Manaev BM, et al. **Prikl Biokhim Mikrobiol** 1985 Jan-Feb;21(1):58-62 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The effects of the fiber components pectin, cellulose and lignin on serum cholesterol levels. Hillman LC, et al. **Am J Clin Nutr** 1985 Aug;42(2):207-13

Studies on the action of pectin in depressing the growth of chicks. Bishawi KO, et al. **Br Poult Sci** 1984 Oct; 25(4):519-28

Hypocholesterolemic agents: a comparison of the relative effectiveness of cholestyramine and pectin in rats. Baig MM, et al. **Drug Nutr Interact** 1985;3(2):109-13

The effect of protein levels on the response of weanling rats to dietary pectin. Delorme CB, et al. **J Nutr** 1984 Oct; 114(10):1797-806

Effect of wheat bran, pectin and cellulose on the secretion of bile lipids in rats. Lafont H, et al. **J Nutr** 1985 Jul; 115(7):849-55

Bioavailability of vitamin E in rats fed graded levels of pectin. Schaus EE, et al. **J Nutr** 1985 Feb;115(2):263-70

Dietary fiber and cholesterol and bile acid metabolism in axenic (germfree) and holoxenic (conventional) rats. III. Effect of non-sterilized pectin. Sacquet E, et al. **Reprod Nutr Dev** 1985;25(1A):93-100

PECTORAL NERVES see **THORACIC NERVES**

PECTORALIS MUSCLES

ABNORMALITIES

Computed tomography of partial unilateral agenesis of the pectoralis muscles. Demos TC, et al. **J Comput Assist Tomogr** 1985 May-Jun;9(3):558-9

Partial aplasia of the pectoralis major muscle with an anomalous distal insertion: two case reports. Denti M, et al. **J Pediatr Orthop** 1985 Jul-Aug;5(4):489-91

[Rotator cuff syndrome caused by an anomaly of the insertion of the pectoralis minor] Samuel P, et al. **Rev Chir Orthop** 1984;70(5):401-4 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

The true pectoralis major myocutaneous island flap: an anatomical study. Wei WI, et al. **Br J Plast Surg** 1984 Oct; 37(4):568-73

INJURIES

Total rupture of pectoralis major muscle in athletes. Orava S, et al. **Int J Sports Med** 1984 Oct;5(5):272-4

[Rupture of the pectoralis major muscle. Case report] Künzi W. **Z Unfallchir Versicherungsmed Berufskr** 1985; 78(1):57-61 **(Ger)**

INNERVATION

[Surgical anatomy of nerve trunks of the axilla and of the pectoral muscles. Considerations relative to the intervention of mastectomy based on a study of 30 cadavers] Modena S, et al. **Minerva Chir** 1984 Aug 15-31; 39(15-16):1095-9 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Decay of inspiratory muscle pressure during expiration in conscious humans. Shee CD, et al. **J Appl Physiol** 1985 Jun;58(6):1859-65

Age changes in size and number of muscle fibers in human minor pectoral muscle. Sato T, et al. **Mech Ageing Dev** 1984 Nov;28(1):99-109

Myopotential interference inducing pacemaker tachycardia in a DVI programmed pacemaker. van Gelder LM, et al. **PACE** 1984 Nov;7(6 Pt 1):970-2

PHYSIOPATHOLOGY

Inhibition of demand pacemakers by myopotentials. Gialafos J, et al. **Am Heart J** 1985 May;109(5 Pt 1):984-91

SURGERY

Pectoralis major transfer for paralysis of elbow flexion in children. Atkins RM, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):640-4

Effect of resection of the sternum and manubrium in conjunction with muscle transposition on pulmonary function. Meadows JA 3d, et al. **Mayo Clin Proc** 1985 Sep; 60(9):604-9

The segmental pectoralis major muscle flap: a function-preserving procedure. Morain WD, et al. **Plast Reconstr Surg** 1985 Jun;75(6):825-30

Pectoralis major segmental anatomy and segmentally split pectoralis major flaps. Tobin GR. **Plast Reconstr Surg** 1985 Jun;75(6):814-24

[Myocutaneous flaps of the pectoralis major. Anatomy, technic and clinical applications] Mouthuy B, et al. **Acta Chir Belg** 1984 Sep-Oct;84(5):283-92 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Oral cavity reconstruction using pectoralis major muscle and amnion. Lawson VG. **Arch Otolaryngol** 1985 Apr; 111(4):230-3

NEWARK PUBLIC LIBRARY

The pectoralis major myocutaneous flap for intraoral reconstruction: surgical complications and their treatment. Ueda M, et al. **J Maxillofac Surg** 1985 Feb;13(1):9-13

Reconstructive versatility of the pectoralis major myocutaneous flap. Strelzow VV, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):368-72

Pectoralis major for mandibular reconstruction [letter] Bell MS. **Plast Reconstr Surg** 1985 Feb;75(2):281-2

Pectoralis minor for facial palsy [letter] Harrison DH. **Plast Reconstr Surg** 1985 Oct;76(4):656-7

The pectoralis minor vascularized muscle graft for the treatment of unilateral facial palsy. Harrison DH. **Plast Reconstr Surg** 1985 Feb;75(2):206-16

Use of pectoralis minor muscle in immediate reconstruction of the breast. Manstein CH, et al. **Plast Reconstr Surg** 1985 Oct;76(4):566-9

[Personal experience with a myocutaneous flap of the greater pectoralis muscle in reconstructive cervicofacial surgery. Apropos of 27 flaps] Hamoir M, et al. **Acta Otorhinolaryngol Belg** 1984;38(4):437-43 (Eng. Abstr.) **(Fre)**

PECTUS EXCAVATUM see **FUNNEL CHEST**

PEDIATRIC ASSISTANTS see under **PHYSICIANS' ASSISTANTS**

PEDIATRIC NURSING

Factors affecting nurses' decisions to medicate pediatric patients after surgery. Burokas L. **Heart Lung** 1985 Jul;14(4):373-9

It often falls short of nirvana, but.... O'Neill E. **Nurs Outlook** 1985 Sep-Oct;33(5):229-30

[Use of high osmotic saline enema in pediatric surgery] Liang F. **Chung Hua Hu Li Tsa Chih** 1984 Aug;19(4):219-20 **(Chi)**

ECONOMICS

Paediatric trained district nurse in the community: expensive luxury or economic necessity? Atwell JD, et al. **Br Med J [Clin Res]** 1985 Jul 20;291(6489):227-9

EDUCATION

Reduction of child hospital mortality in Mozambique through a nurse training programme. Pisacane A. **Ann Trop Paediatr** 1985 Mar;5(1):7-10

Ambulatory pediatric screening: a valuable learning experience for nursing students. Juarez SP. **J Nurs Educ** 1985 Mar;24(3):121-2

Creativity in clinical nursing. Stepp-Gilbert E, et al. **J Nurs Educ** 1985 Jan;24(1):32-3

Infant and preschool well-child care: master's- and nonmaster's-prepared pediatric nurse practitioners. Glascock J, et al. **Nurs Res** 1985 Jan-Feb;34(1):39-43

Assessing curriculum implementation: a process for identifying salient variables. Taunton RL. **Res Nurs Health** 1984 Sep;7(3):217-25

LEGISLATION & JURISPRUDENCE

[The health nurse's notification forms as an assessment tool] Rindel A, et al. **Ugeskr Laeger** 1984 May 28;146(22):1657-62 (Eng. Abstr.) **(Dan)**

METHODS

Working with the family of a critically ill child. Broome ME. **Heart Lung** 1985 Jul;14(4):368-72

Special considerations in the nursing care of the very low birth weight infant. McCormick A. **JOGN Nurs** 1984 Nov-Dec;13(6):357-63

STANDARDS

Clinical competence of paediatric primary health care nurses in Soweto. Irwig LM, et al. **S Afr Med J** 1985 Jan 19;67(3):92-5

PEDIATRICS

The Rosén von Rosenstein Award. **Acta Paediatr Scand** 1985 Jan;74(1):3-16

Pediatric patient exposures from CT examinations: GE CT/T 9800 scanner. Fearon T, et al. **AJR** 1985 Apr;144(4):805-9

Pediatricians and mental health professionals. Patterns of collaboration and utilization. Bergman AS, et al. **Am J Dis Child** 1985 Feb;139(2):155-9

A review of pediatric Doppler echocardiography. Goldberg SJ. **Am J Dis Child** 1984 Nov;138(11):1003-9 (23 ref.)

Primary care. Does it belong in pediatrics? [editorial] Helfer RE. **Am J Dis Child** 1985 Oct;139(10):974-5

A method for the teaching of interviewing skills. Kastner LS, et al. **Am J Dis Child** 1985 Sep;139(9):899-902

The pediatrician's obligation in smoking education [editorial] Koop CE. **Am J Dis Child** 1985 Oct;139(10):973

Publication of research presented at the pediatric meetings. Change in selection. McCormick MC, et al. **Am J Dis Child** 1985 Feb;139(2):122-6

Why families change pediatricians. Factors causing dissatisfaction with pediatric care. Young PC, et al. **Am J Dis Child** 1985 Jul;139(7):683-6

Use of computed tomography in pediatric oncology. Ling D, et al. **Am J Pediatr Hematol Oncol** 1984 Fall;6(3):293-311

Psychology and pediatrics: prospects for cooperative efforts to promote child health [interview by Logan Wright] Green M. **Am Psychol** 1985 Aug;40(8):949-52

Changes in serial platelet counts following massive blood transfusion in pediatric patients. Coté CJ, et al. **Anesthesiology** 1985 Feb;62(2):197-201

Pediatric arrest card [letter] Lewis JM. **Ann Emerg Med** 1985 Apr;14(4):372-3

James Spence medallist 1984: James William Bruce Douglas. **Arch Dis Child** 1984 Sep;59(9):805-6

Upper gastrointestinal tract endoscopy. Miller V, et al. **Arch Dis Child** 1984 Nov;59(11):1100-2

'The State of the World's Children' [editorial] Morley D. **Arch Dis Child** 1985 Aug;60(8):693-4

James Spence Medallist, 1985. Neil Simson Gordon. Tizard P. **Arch Dis Child** 1985 Jul;60(7):603-4

Should a paediatrician be present at non-rotational forceps deliveries? Gray LC, et al. **Br J Obstet Gynaecol** 1984 Sep;91(9):899-900

Paediatric anaesthesia [letter] **Br Med J [Clin Res]** 1985 Sep 7;291(6496):672-3

Paediatrics among ethnic minorities. Asian families I: cultures. Black J. **Br Med J [Clin Res]** 1985 Mar 9;290(6470):762-4

Effect of a regional neonatal unit on a general paediatric ward. Greenough A, et al. **Br Med J [Clin Res]** 1985 Jul 20;291(6489):175-6

Part time work: one year's job share in Bristol. Montgomery S, et al. **Br Med J [Clin Res]** 1984 Nov 3;289(6453):1240-1

Pediatric care by family physicians [letter] Seidman E. **Can Med Assoc J** 1985 Jun 15;132(12):1352-3

Child abuse treatment and follow-up: can the pediatrician help improve outcome? Fischler RS. **Child Abuse Negl** 1984;8(3):361-8

From pediatrician to therapist--a bridge to cross. Menahem S, et al. **Child Psychiatry Hum Dev** 1985 Spring;15(3):180-8

A comparison of staff and patient perceptions of a child and adolescent psychosomatic unit and a pediatric unit. Terry KE, et al. **Child Psychiatry Hum Dev** 1984 Summer;14(4):230-48

An analysis of waiting times in a pediatric emergency department. Liptak GS, et al. **Clin Pediatr (Phila)** 1985 Apr;24(4):202-9

Pediatric flexible bronchoscopy and its application in infantile atelectasis. Nussbaum E. **Clin Pediatr (Phila)** 1985 Jul;24(7):379-82

Nutritional consequences of drugs used in pediatrics. Olness KN. **Clin Pediatr (Phila)** 1985 Aug;24(8):417-20

The pediatric population of two free-standing emergency clinics. Yunker R, et al. **Clin Pediatr (Phila)** 1985 Apr;24(4):210-4

Prenatal anticipatory guidance. Dershewitz R. **Clin Perinatol** 1985 Jun;12(2):343-53

A pocket computer program for common calculations in clinical pediatrics. Milazzo CF. **Comput Biol Med** 1985;15(1):41-55

Ste. Rose General combats infectious pediatric outbreak. Hopfner C, et al. **Dimens Health Serv** 1985 Feb;62(2):19-20

Symposium on pediatric emergencies. **Emerg Med Clin North Am** 1983 Apr;1(1):1-220

Emergency radiology in childhood. Ozonoff MB. **Emerg Med Clin North Am** 1985 Aug;3(3):563-84 (31 ref.)

Drug utilization in paediatrics: non-medical factors affecting decision making by prescribers. Stanulović M, et al. **Eur J Clin Pharmacol** 1984;27(2):237-41

Abstracts: 21st Workshop for Pediatric Research. Göttingen, February 28-March 1, 1985. **Eur J Pediatr** 1985 Jan;143(3):240-51

Newer imaging techniques in pediatric practice. McCauley RG. **Hosp Pract [Off]** 1985 Jan 15;20(1):109-20, 125

Pediatricians and the Indian National Code for Protection and Promotion of Breast-feeding [editorial] Udani PM. **Indian Pediatr** 1984 Mar;21(3):187-90

The effect of comparison films upon resident interpretation of pediatric chest radiographs. Berbaum K, et al. **Invest Radiol** 1985 Mar-Apr;20(2):124-8

Primary pediatric care. A comparison of use by adolescent and older mothers. Brink S, et al. **J Adolesc Health Care** 1985 May;6(3):201-5

Child psychiatrists seen through pediatricians' eyes: results of a national survey. Fritz GK, et al. **J Am Acad Child Psychiatry** 1985 Jan;24(1):81-6

Pediatric history form. Valmassy RL. **J Am Podiatry Assoc** 1984 Nov;74(11):574-6

Mutual collaboration between child psychiatry and pediatrics: resistances and facilitation. Greene CM. **J Dev Behav Pediatr** 1984 Dec;5(6):315-8

Children of divorce: the pediatrician and the lawyers. Kappelman MM. **J Dev Behav Pediatr** 1985 Apr;6(2):104-6

Behavioral pediatrics: what has it achieved and where is it going? A resident's perspective. MacMillan H. **J Dev Behav Pediatr** 1985 Apr;6(2):100-3

The forensic pediatrician as a child advocate. McRae KN, et al. **J Dev Behav Pediatr** 1984 Oct;5(5):259-62

Styles of care provided to children in the United States: a comparison by physician specialty. Starfield B, et al. **J Fam Pract** 1985 Aug;21(2):133-8

Timing and motivation in pediatric career choices. Adler R, et al. **J Med Educ** 1985 Mar;60(3):174-80

The pediatrician is the child's advocate [editorial] Cooper JA. **J Med Educ** 1985 Jun;60(6):496-7

Physician attitudes toward confidential care for adolescents. Lovett J, et al. **J Pediatr** 1985 Mar;106(3):517-21

Fragmentation of care, Journal style [letter] Porter B. **J Pediatr** 1985 Feb;106(2):344-5

One-year experience in a regional pediatric trauma center. Colombani PM, et al. **J Pediatr Surg** 1985 Feb;20(1):8-13

Hospital mortality in a Singapore paediatric unit. A 20 year review (1964-1983). Tay JS, et al. **J Singapore Paediatr Soc** 1985;27(1-2):82-8

Computers in paediatrics. 10. The use of micro-computers in paediatric research. Tay JS, et al. **J Singapore Paediatr Soc** 1984;26(1-2):41-50

Computers in paediatrics. 9. Computerisation of the leukemia registry. Tay JS, et al. **J Singapore Paediatr Soc** 1984;26(1-2):35-40

Total parenteral nutrition in paediatric practice. Yip WC, et al. **J Singapore Paediatr Soc** 1984;26(1-2):59-72 (59 ref.)

Computers in paediatrics. 11. Microcomputer programmes for total parenteral nutrition in paediatric practice. Yip WC, et al. **J Singapore Paediatr Soc** 1984;26(1-2):51-8

Successful imaging in paediatrics. Carty H. **Nucl Med Commun** 1984 Dec;5(12):775-9

A paediatric observation ward. Biddulph J. **Papua New Guinea Med J** 1984 Sep-Dec;27(3-4):163-5

Anomalous dental development with medical and genetic implications. Bazan MT. **Pediatr Ann** 1985 Feb;14(2):108-11, 114, 116

Augmentative communication: a perspective for pediatricians. Cohen C. **Pediatr Ann** 1985 Mar;14(3):232-4, 236-7, 240

The pediatrician's role in dental care [editorial] Levine MI. **Pediatr Ann** 1985 Feb;14(2):100, 101

Psychiatric problems of children: the pediatrician in diagnosis and treatment [editorial] Levine MI. **Pediatr Ann** 1985 May;14(5):359-61, 364

The pediatrician's role in sports medicine [editorial] Levine MI. **Pediatr Ann** 1984 Aug;13(8):587-90

Pediatric dentistry as it relates to the pediatrician. Primosch RE. **Pediatr Ann** 1985 Feb;14(2):104-6

Eating disorders and the pediatrician. Silber T. **Pediatr Ann** 1984 Nov;13(11):811

The team physician. Stackpole JW. **Pediatr Ann** 1984 Aug;13(8):592-4

Symposium on pediatric oncology. **Pediatr Clin North Am** 1985 Jun;32(3):539-862

Symposium on pediatric surgery. **Pediatr Clin North Am** 1985 Oct;32(5):1101-349

Benefits of cooperation between pediatric and dermatology staff [letter] Katzen D. **Pediatr Dermatol** 1983 Oct;1(2):179

Pediatric infectious disease annual update. Proceedings of the Fifth Annual National Pediatric Infectious Disease Seminar. Las Vegas, NV, March 14-16, 1985. **Pediatr Infect Dis** 1985 May-Jun;4(3 Suppl):S1-47

Abstracts of the 27th annual meeting of the Society for Pediatric Radiology. Las Vegas, Nevada, 6-8 April 1984. **Pediatr Radiol** 1985;15(1):65-74

The American Pediatric Society and the Society for Pediatric Research: combined program and abstracts. Washington, D.C., May 6-9, 1985. **Pediatr Res** 1985 Apr;19(4 Pt 2):1A-458A

Acceptance of the John Howland Medal and Award of the American Pediatric Society for 1984. Barnett HL. **Pediatr Res** 1984 Dec;18(12):1383-4

Acceptance of the John Howland Medal and Award of the American Pediatric Society for 1984. Barnett HL. **Pediatr Res** 1984 Dec;18(12):1283-4

Selection of indexing terms by authors: A proposal for abstracts submitted to the 1985 meetings of the APS-SPR-APA. Bickers RG. **Pediatr Res** 1984 Nov;18(11):1205

Uses of the case-control and cohort epidemiological approaches in pediatric practice and research. Goldberg RJ, et al. **Pediatr Res** 1985 Aug;19(8):787-90

The compleat pediatrician: Howland awardee Henry Lewis Barnett. Kretchmer N. **Pediatr Res** 1984 Dec;18(12):1379-83

Growth and development of pediatric research. Stiehm ER. **Pediatr Res** 1985 Jun;19(6):593-8

American Academy of Pediatrics Committee on Hospital Care: Child life programs for hospitalized children. **Pediatrics** 1985 Sep;76(3):467-70

Pediatric patient education: challenge for the '80s. **Pediatrics** 1984 Nov;74(5 Pt 2):913-80

Effective approaches to patient education for the busy pediatrician. Bartlett EE. **Pediatrics** 1984 Nov;74(5 Pt 2):920-3

American Academy of Pediatrics Committee on Hospital Care: Relationship between hospital-based and private practice physicians. Bergeson PS, et al. **Pediatrics** 1985 Feb;75(2):365-7

Measles outbreak in a pediatric practice: airborne transmission in an office setting. Bloch AB, et al. **Pediatrics** 1985 Apr;75(4):676-83

Infant bioethics committees [letter] Donovan EF. **Pediatrics** 1985 Feb;75(2):368-71

A note on interdisciplinary research in developmental/behavioral pediatrics/psychology. Ellison PH, et al. **Pediatrics** 1985 May;75(5):883-6

Role of the pediatrician in patient education. Fulginiti VA. **Pediatrics** 1984 Nov;74(5 Pt 2):914-6

Who should provide primary health care to children:

pediatricians or family medicine physicians? Hoekelman RA, et al. **Pediatrics** 1984 Oct;74(4):460–77

What do patients and parents want to know? What do they need to know? Korsch BM. **Pediatrics** 1984 Nov;74(5 Pt 2):917–9

When pediatricians become parents [editorial] Leventhal JM. **Pediatrics** 1985 Mar;75(3):538

Introduction to preventive pediatrics. Lovejoy FH Jr. **Pediatrics** 1984 Nov;74(5 Pt 2):958–60

A pediatrician attends the National Institutes of Health Consensus Conference on Lowering Blood Cholesterol. Mauer AM. **Pediatrics** 1985 Jul;76(1):125–6

Neonatologist versus general pediatrician [letter] Scanlon JW. **Pediatrics** 1985 Sep;76(3):472–3

Intellectual malnutrition: American schools and the pediatrician's duty. Stickler GB. **Pediatrics** 1984 Oct;74(4):557

AAP periodicity guidelines: a framework for educating patients. Strain JE. **Pediatrics** 1984 Nov;74(5 Pt 2):924–7

Pediatric clinicians' support for parents makes a difference: an outcome-based analysis of clinician-parent interaction. Wasserman RC, et al. **Pediatrics** 1984 Dec;74(6):1047–53

Infection in the pediatric intensive care unit. How to minimize the risk. Clendenen WW, et al. **Postgrad Med** 1985 Mar;77(4):139–42, 147–8

Symposium on common pediatric problems. **Primary Care** 1984 Sep;11(3):395–569

Use of an institutional ethics team on a pediatric service. Grodin MA, et al. **QRB** 1985 Jan;11(1):16–9

Some paediatric fables, foibles and sheer bad habits. Edge WE. **S Afr Med J** 1985 Jun 22;67(25):1010–2

Delineating paternalism in pediatric care. Sorenson JH, et al. **Theor Med** 1984 Feb;5(1):93–104

[Characteristics of medical ethics in childhood and adolescence] Rubín A. **Cas Lek Cesk** 1985 May 31;124(22):673–6 **(Cze)**

[Forms of cooperation between the psychologico-pedagogic service in Městec and pediatricians in Ostrava] Březina Z. **Cesk Pediatr** 1985 Jan;40(1):45–6 **(Cze)**

[The pediatrician and the family] Dunovský J. **Cesk Pediatr** 1985 Aug;40(8):436–9 **(Cze)**

[Analysis of the work of the district pediatrician in nurseries] Strnad S. **Cesk Pediatr** 1985 Apr;40(4):232–3 **(Cze)**

[How can the child psychiatrist contribute to the pediatrician's care of the child?] Vichnar M. **Cesk Pediatr** 1985 Aug;40(8):476–7 **(Cze)**

[Socialist morality and social pediatrics] Březina Z. **Cesk Zdrav** 1985 Feb;33(2):49–54 (Eng. Abstr.) **(Cze)**

[Health education in the therapeutic-preventive care of children] Dunovský J. **Cesk Zdrav** 1984 Oct;32(10):405–8 (Eng. Abstr.) **(Cze)**

[Organization of work at the department of pediatric neurosurgery] Pařízek J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1982;25(5):477–82 (Eng. Abstr.) **(Cze)**

[Referral: the meeting point between primary and secondary care] Krol LJ, et al. **Tijdschr Kindergeneeskd** 1984 Dec;52(6):217–21 (Eng. Abstr.) **(Dut)**

[Participation of pediatric practitioners in field research. Possibilities, problems, perspectives. Swiss experience of the Roman Group for Studies of Ambulatory Pediatrics] Girardet P, et al. **Arch Belg** 1984;42(1–2):50–65 **(Fre)**

[Long-term responsibilities of the pediatrician (editorial)] Schweisguth O, et al. **Arch Fr Pediatr** 1985 Jan;42(1):1–2 **(Fre)**

[Responsibility of the pediatrician in the evaluation and prevention of child abuse] Thiele G. **Kinderarztl Prax** 1985 Mar;53(3):99–104 (Eng. Abstr.) **(Ger)**

[Abstracts of the 10th Symposium on Pediatric Intensive Care, 26–28 April 1984, Berlin] **Klin Padiatr** 1984 Jul–Aug;196(4):231–50 **(Ger)**

[Preoperative risk assessment in pediatric surgery] Brandl J, et al. **Monatsschr Kinderheilkd** 1985 Jan;133(1):28–31 (Eng. Abstr.) **(Ger)**

[As a pediatrician and infection specialist in Calcutta] Daschner F. **Monatsschr Kinderheilkd** 1984 Aug;132(8):619 **(Ger)**

[Pediatric pneumology--do we once again need a new subspecialty?] Rossi E, et al. **Wien Klin Wochenschr** 1984 Aug 31;96(16):611–3 **(Ger)**

[Thoughts on pediatric rapid diagnosis] Zinsmeyer J, et al. **Z Med Lab Diagn** 1985;26(3):172–3 **(Ger)**

[Two years experience in a pediatric intensive care unit] Goitein KJ, et al. **Harefuah** 1983 Oct 16;105(8):201–3 (Eng. Abstr.) **(Heb)**

[Color version of pediatric anesthesia preparation program (CPAPP)] Miyasaka K. **Masui** 1984 Sep;33(9):1030–5 (Eng. Abstr.) **(Jpn)**

[Japan Study Group of Manometry of Digestive Tract in Childhood] Nagasaki A. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1188–91 (Eng. Abstr.) **(Jpn)**

[Progress and problems in pediatric surgery--the Association of Pediatric Anesthesiologists] Tamiya K. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1179–82 (Eng. Abstr.) **(Jpn)**

[Annual meeting of the Swiss Society of Pediatrics. La Chaux-de-Fonds, 15–16 June 1984. Abstracts, free communications and posters] **Helv Paediatr Acta [Suppl]** 1984 Aug;50:1–44 **(Mul)**

[Epidemiology of lambliasis. III. Lambliasis among personnel of pediatric hospital departments] Lisowska M, et al. **Przegl Epidemiol** 1984;38(3):289–93 (Eng. Abstr.) **(Pol)**

[Pathologicoanatomic diagnosis in pediatric practice] Tsinzerling AV. **Arkh Patol** 1984;46(8):76–8 **(Rus)**

[Experience using intravenous anesthesia in pediatric anesthesiology] Vorob'ev AA, et al. **Klin Khir** 1985;(6):55–6 (Eng. Abstr.) **(Rus)**

[Basic research results in the problem of pediatric gastroenterology at the Gorki Pediatric Research Institute of the Ministry of Health of the RSFSR] Abolenskaia AV, et al. **Pediatriia** 1985 Jun;(6):54–7 **(Rus)**

[Current problems in balneology in pediatrics] Avanesov VN, et al. **Pediatriia** 1984 Nov;(11):3–6 **(Rus)**

[8th national meeting of the Pediatric Intensive Care Section (Spanish Pediatric Association). Abstracts] **An Esp Pediatr** 1985 Mar 15;22(3):237–52 **(Spa)**

[24th annual meeting of the Spanish Society of Pediatric Surgery. Palma de Mallorca, June 1984. Abstracts] **An Esp Pediatr** 1985 Mar 15;22(3):205–27 **(Spa)**

[5th national meeting of Pediatric and Neonatal Intensive Care Unit. Abstracts] **An Esp Pediatr** 1985 Mar 15;22(3):253–7 **(Spa)**

[Aspects of professional pediatrics in relation to teaching and research (introduction)] Bueno M. **An Esp Pediatr** 1984 Oct;21 Suppl 20:5–8 **(Spa)**

[Introduction to pediatric emergencies] Cruz M, et al. **An Esp Pediatr** 1984 Sep 30;21(4):281–5 **(Spa)**

[Organization of emergencies in hospital outpatient pediatrics] Martín Parra M. **An Esp Pediatr** 1984 Sep 30;21(4):295–9 **(Spa)**

[Teaching the pediatric patient] Olivares López JL. **An Esp Pediatr** 1984 Oct;21 Suppl 20:21–8 **(Spa)**

[Organization of a pediatric practice] Pérez-Chóliz V. **An Esp Pediatr** 1984 Oct;21 Suppl 20:29–32 **(Spa)**

[Hospital problems in pediatric emergencies] Plaza Montero J. **An Esp Pediatr** 1984 Sep 30;21(4):300–8 **(Spa)**

[Spanish pediatric bibliography] Sánchez Villares E. **An Esp Pediatr** 1985 Mar 31;22(4):259–63 **(Spa)**

[Research in pediatric practice] Sarriá A. **An Esp Pediatr** 1984 Oct;21 Suppl 20:15–20 **(Spa)**

[Developmental pediatrics: the new pediatrics. Notes on its development] Candelario N. **Bol Asoc Med PR** 1984 Nov;76(11):479–81 (Eng. Abstr.) **(Spa)**

[Concepts on ethics in pediatrics] Acta EK. **Rev Chil Pediatr** 1984 May–Jun;55(3):212–5 **(Spa)**

EDUCATION

The education and evaluation of the pediatric resident [letter] **Am J Dis Child** 1985 Aug;139(8):747–8

The education and evaluation of the pediatric resident. Whose responsibility? Burg FD. **Am J Dis Child** 1985 Feb;139(2):198–9

Assignment of follow-up appointments from an emergency room by pediatric residents. DeAngelis C, et al. **Am J Dis Child** 1985 Apr;139(4):341–2

The emphasis of telephone medicine in pediatric training programs. Fosarelli PD. **Am J Dis Child** 1985 Jun;139(6):555–7

Diagnosis-related groups. Their potential impact on pediatric resident training. Greenberg LW. **Am J Dis Child** 1985 May;139(5):524–6

The academic pediatrician and the practicing pediatrician. An educational team. McKay RJ Jr. **Am J Dis Child** 1985 Jan;139(1):39–40

The rise of the academic clinician [letter] Radetsky M. **Am J Dis Child** 1985 Sep;139(9):861

The developmental process of residency education. Issues of stress and happiness. Rotbart HA, et al. **Am J Dis Child** 1985 Aug;139(8):762–5

Academic general pediatrics and the practitioner. The interface in education [editorial] Stein MT. **Am J Dis Child** 1985 Jan;139(1):18–9

A tympanocentesis learning aid. Weir MR, et al. **Am J Dis Child** 1985 Jun;139(6):553–4

Training programs in respiratory disease and training programs in pediatric respiratory disease. **Am Rev Respir Dis** 1985 Aug;132(2):437–64

'PALS for life!' A required trauma-oriented pediatric advanced life support course for pediatric and emergency medicine housestaff. Thompson BM, et al. **Ann Emerg Med** 1984 Nov;13(11):1044–7

Training of paediatricians for psychosocial aspects of their work. Graham P, et al. **Arch Dis Child** 1985 Aug;60(8):777–80

Objective structured clinical examination compared with other forms of student assessment. Smith LJ, et al. **Arch Dis Child** 1984 Dec;59(12):1173–6

Canadian departments of pediatrics and family medicine: in need of family therapy? Klein M. **Can Med Assoc J** 1985 Mar 15;132(6):629–33

Pediatric education at the cross-road [letter] Sood AK, et al. **Indian Pediatr** 1984 May;21(5):425–7

Video recording in paediatric medicine--technique and educational benefits. Menahem S, et al. **J Audiov Media Med** 1984 Oct;7(4):124–6

Behavioral pediatrics in the examinations of the American Board of Pediatrics. Butzin DW. **J Dev Behav Pediatr** 1985 Aug;6(4):229–31

Critical issues in behavioral pediatric training. Korsch BM. **J Dev Behav Pediatr** 1985 Aug;6(4):215–26

Comments on teaching developmental pediatrics and behavioral pediatrics. Parmelee AH Jr. **J Dev Behav Pediatr** 1985 Aug;6(4):227–8

The impact of training in behavioral pediatrics: a study of 24 residency programs. Phillips S, et al. **J Dev Behav Pediatr** 1985 Feb;6(1):15–21

A nationwide survey of behavioral pediatric residency training. Zebal BH, et al. **J Dev Behav Pediatr** 1984 Dec;5(6):331–5

Multidisciplinary team production of computer-based simulations to teach pediatrics. Bidwell CM, et al. **J Med Educ** 1985 May;60(5):397–403

Assessment of knowledge and clinical judgment in the pediatric residency. Davis JK, et al. **J Med Educ** 1985 Jun;60(6):468–72

Reduced-schedule pediatric residency training. Schaff EA, et al. **J Med Educ** 1984 Oct;59(10):815–24

The clinical learning environments in medicine, paediatrics and surgery clerkships. Patel VL, et al. **Med Educ** 1985 Jan;19(1):54–60

A program for pediatric intern orientation. Weir MR. **Milit Med** 1985 Feb;150(2):109–11

Continuing education in pediatric dermatology: the role of pediatric and dermatologic journals. Hayden GF. **Pediatr Dermatol** 1983 Jul;1(1):69–73

Pediatric generalists in an academic setting. Adler R, et al. **Pediatrics** 1985 Aug;76(2):307–8

Teaching developmental pediatrics to pediatric residents: effectiveness of a structured curriculum. Bennett FC, et al. **Pediatrics** 1984 Oct;74(4):514–22

The pediatrician's guide to computer videodiscs. Blackman JA, et al. **Pediatrics** 1984 Oct;74(4):543–7

Developmental pediatrics: not just the care of children with developmental disabilities [letter] Parmelee AH. **Pediatrics** 1985 Aug;76(2):329–30

Flexible residency programs for women [letter] Uchiyama N. **Pediatrics** 1985 May;75(5):991–2

A survey of pediatric resident training programs 5 years after the Task Force report. Weinberger HL, et al. **Pediatrics** 1984 Oct;74(4):523–6

Preparation for paediatric surveillance. A survey of trainee general practitioners. Wilmot JF. **Practitioner** 1984 Oct;228(1396):975–7

Training in pediatric surgery. O'Donnell B. **World J Surg** 1985 Apr;9(2):316–20

[Preparation of pediatricians for the care of families with genetic risk--evaluation study] Mikiel-Kostyra K, et al. **Pediatr Pol** 1984 Dec;59(12):1027–31 (Eng. Abstr.) **(Pol)**

[Scientific basis of the curator's activities in students' groups] Bykova LA, et al. **Pediatriia** 1985 Feb;(2):65–7 **(Rus)**

[Scientific students' society at the Chair of Children's Diseases as a school for the scientific training of future pediatricians] Sapelkina LV. **Pediatriia** 1985 Feb;(2):68–70 **(Rus)**

[Features of conducting practical classes with pediatric department interns] Vitebskiĭ EM, et al. **Pediatriia** 1985 Jan;(1):41–3 **(Rus)**

[Educational role of social organizations in the training of students of pediatrics] Voropaeva NM, et al. **Pediatriia** 1985 Feb;(2):62–5 **(Rus)**

[Prediction of future trends in the training of a specialist in pediatrics and adolescent medicine] Kardashenko VN, et al. **Sov Zdravookhr** 1984;(8):51–3 **(Rus)**

[New technologies in the continuing education of the pediatrician] Argemí Renom J, et al. **An Esp Pediatr** 1984 Oct;21 Suppl 20:33–7 **(Spa)**

[The teaching of emergency pediatrics] Bueno M, et al. **An Esp Pediatr** 1984 Sep 30;21(4):287–94 **(Spa)**

[Specialization in teaching] Cruz M, et al. **An Esp Pediatr** 1984 Oct;21 Suppl 20:9–13 **(Spa)**

HISTORY

Dr. James A. Wolff. III. First pediatric hematologist at Babies Hospital. Pochedly C. **Am J Pediatr Hematol Oncol** 1984 Winter;6(4):455–8

Child abuse before Kempe: an historical literature review. Lynch MA. **Child Abuse Negl** 1985;9(1):7–15

One hundred minus five and other reflections: presidential address, American Pediatric Society, 1984. Dancis J. **Pediatr Res** 1984 Nov;18(11):1202–4

[Distinguished women in pediatrics in Ostrava] Březina Z. **Cas Lek Cesk** 1985 Mar 8;124(10):315–7 **(Cze)**

[20 years' activity at the Pediatric Research Institute in Brno 1963–1983] Kamarýt J. **Cesk Pediatr** 1984 Feb;39(2):115–7 **(Cze)**

[The child as surgical patient] Sulamaa M. **Duodecim** 1984;100(23–24):1600–7 **(Fin)**

[Children's diseases and pediatrics] Oehme J. **Klin Padiatr** 1984 Nov–Dec;196(6):325–6 **(Ger)**

[200th anniversary of the publication of the textbook of childhood diseases by M. Underwood (1737 to 1820)] Oehme J. **Monatsschr Kinderheilkd** 1984 Dec;132(12):922–3 **(Ger)**

[Hero of the Soviet Union prof. P. M. Buĭko and the institute named after him] Mikhaĭlenko ET. **Akush Ginekol (Mosk)** 1985 Apr;(4):9–11 **(Rus)**

[On the 40th anniversary of the victory over fascist Germany] Nikonchik OK. **Akush Ginekol (Mosk)** 1985 Apr;(4):3–5 **(Rus)**

[50th anniversary of the Chair of Pediatrics and Adolescent Medicine of the Order of Lenin central Institute of Graduate Training of Physicians] Sukharev AG, et al. **Gig Sanit** 1984 Aug;(8):38–40 **(Rus)**

[The names of pediatricians immortalized by history] Brzheskiĭ VCh. **Pediatriia** 1985 Apr;(4):72 **(Rus)**

[The importance of assistance given by Czech physicians

NEWARK PUBLIC LIBRAR

during the beginnings of pediatric surgery in Bratislava] Tichy M, et al. **Rozhl Chir** 1985 Apr;64(4):312-6 **(Slo)**

INSTRUMENTATION

Computer applications in pediatrics. Lustig JV, et al. **Adv Pediatr** 1984;31:295-323

The use of the pediatric fiberoptic bronchoscope in adults. Prakash UB. **Am Rev Respir Dis** 1985 Sep;132(3):715-7

Paediatric anaesthetic equipment. Hatch DJ. **Br J Anaesth** 1985 Jul;57(7):672-84 (50 ref.)

MANPOWER

Significant attitude changes among residents associated with a pediatric nurse practitioner. Pierce M, et al. **J Med Educ** 1985 Sep;60(9):712-8

American Academy of Pediatrics Committee on Pediatric Manpower: Pediatric manpower recommendations. **Pediatrics** 1985 Sep;76(3):464-6

[Work organization for the district pediatrician in a city pediatric polyclinic] Grachev LK, et al. **Pediatriia** 1985 Apr;(4):53-7 **(Rus)**

METHODS

Open- versus closed-chest cardiac compressions in a canine model of pediatric cardiopulmonary resuscitation. Fleisher G, et al. **Am J Emerg Med** 1985 Jul;3(4):305-10

Family therapy [editorial] Lask B. **Arch Dis Child** 1985 Apr;60(4):297-8

Paediatric anaesthesia [letter] **Br Med J [Clin Res]** 1985 Aug 24;291(6494):542-3

Pediatric critical care medicine [editorial] Rosenberg GJ. **Indiana Med** 1985 Feb;78(2):102-3

Overpsychologized [letter] Gersh MJ. **Pediatrics** 1985 Feb;75(2):372

CT scanning in paediatric oncology. Taylor S. **Radiography** 1985 Mar-Apr;51(596):81-3

[Update on scintigraphic exploration in pediatrics] Baulieu F, et al. **Ann Pediatr (Paris)** 1985 Mar;32(3):225-32 (Eng. Abstr.) **(Fre)**

[Value of echographic studies in pediatrics. The areas of application and limits. II] Maiorescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1984 Jul-Sep;33(3):245-56 (Eng. Abstr.) **(Rum)**

[Methodological aspects of immunological research in pediatrics] Mikhaĭlova ZM. **Pediatriia** 1985 Jan;(1):7-11 **(Rus)**

STANDARDS

Getting it published [editorial] Bax M. **Dev Med Child Neurol** 1984 Dec;26(6):707-8

TRENDS

The challenge of the future in pediatric cardiology [editorial] Riemenschneider TA. **Am Heart J** 1985 Sep;110(3):685-8

The new pediatrics [letter] Atkinson ER. **Am J Dis Child** 1985 Apr;139(4):333

Technological use and the future of pediatrics [letter] Erickson CG. **Am J Dis Child** 1985 May;139(5):439-40

Children with school problems--an expanding role for the paediatrician. Oberklaid F. **Aust Paediatr J** 1984 Nov;20(4):271-5

What is the science base for behavioral pediatrics? Eisenberg L. **J Dev Behav Pediatr** 1985 Aug;6(4):188-9

Behavioral pediatrics: interaction with other disciplines. Friedman SB. **J Dev Behav Pediatr** 1985 Aug;6(4):202-14

Pediatrics and psychology: a collaboration that works. LeBaron S, et al. **J Dev Behav Pediatr** 1985 Jun;6(3):157-61

Coming of age: developmental pediatrics in the late twentieth century. Richmond JB. **J Dev Behav Pediatr** 1985 Aug;6(4):181-7

Oncology seen through the prism of Wilms tumor. D'Angio GJ. **Med Pediatr Oncol** 1985;13(2):53-8

In search of wonder and wisdom: pediatrics in transition. St Geme JW Jr. **Pediatrics** 1985 Aug;76(2):308-10

Research in pediatric surgery. Stolar CJ, et al. **World J Surg** 1985 Apr;9(2):321-8

[Pediatric cardiology, a specialty which, like many others, is evolving] Casasoprana A. **Ann Pediatr (Paris)** 1985 Apr;32(4):335-7 **(Fre)**

[Cares and hopes of the pediatrician] Hohenauer L. **Padiatr Padol** 1984;19(4):331-5 **(Ger)**

[The role of a child neurologist in Sapporo Child Welfare Center] Ishikawa A. **No To Hattatsu** 1985 Jul;17(4):287-92 (Eng. Abstr.) **(Jpn)**

[Pediatrics yesterday, today and tomorrow--developmental medicine] Bożkowa K. **Pediatr Pol** 1984 Nov;59(11):799-904 (Eng. Abstr.) **(Pol)**

[Principles and necessity of cooperation between psychologists and pediatricians] Przybyłko K, et al. **Pediatr Pol** 1984 May;59(5):423-7 **(Pol)**

[Current problems of pediatric gastroenterology] Baranov AA. **Pediatriia** 1985 Jun;(6):3-6 **(Rus)**

[Review of scientific research activity in pediatrics 1983] Efimova AA, et al. **Pediatriia** 1984 Sep;(9):61-5 **(Rus)**

[American specialists in the program of developing maternal and child health care in the United States] Lisitsyn IuP, et al. **Pediatriia** 1984 Aug;(8):65-7 **(Rus)**

[Methodological problems of studying the prevalence of diseases in childhood] Efimova AA, et al. **Vestn Akad Med Nauk SSSR** 1985;(6):40-5 (Eng. Abstr.) **(Rus)**

[Achievements, problems and the scientific prospects in pediatric surgery, anesthesiology and intensive therapy] Isakov IuF. **Vestn Akad Med Nauk SSSR** 1984;(9):3-6 **(Rus)**

[Problems and prospects of using low temperatures in pediatric surgery] Shafranov VV, et al. **Vestn Akad Med Nauk SSSR** 1984;(9):12-9 (Eng. Abstr.) **(Rus)**

UTILIZATION

The changing workload in paediatric urology. O'Donnell B, et al. **Br J Urol** 1985 Jun;57(3):251-6

PEDICULOSIS

Phthirus pubis (pubic louse) blepharitis. Baker RS, et al. **Am J Dis Child** 1984 Nov;138(11):1079-80

Isolated pediculosis. Diemer JT. **J Am Podiatr Med Assoc** 1985 Feb;75(2):99-101

Scabies and lice. Gurevitch AW. **Pediatr Clin North Am** 1985 Aug;32(4):987-1018 (51 ref.)

DIAGNOSIS

Generalized pediculosis pubis infestation. Nakamura S, et al. **J Dermatol (Tokyo)** 1985 Feb;12(1):94-6

DRUG THERAPY

Efficacy of malathion and synergised bioallethrine in the treatment of head louse, Pediculus humanus ssp. capitis, infestations. de Boer R. **Acta Leiden** 1984;52:53-9

Pediculosis and the pediatrician. Rasmussen JE. **Pediatr Dermatol** 1984 Jul;2(1):74-9

[Insecticide resistance in pediculosis of the scalp] Kucirka S, et al. **Przegl Dermatol** 1984 Mar-Apr;71(2):165-9 (21 ref.) **(Pol)**

[Pediculosis pubis and its treatment with gamma-hexachlorocyclohexane (HCH-Salbe)] Stapiński A. **Przegl Dermatol** 1984 Mar-Apr;71(2):145-50 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Eyelash infestation by Phthirus pubis as a manifestation of child abuse [letter] Scott MJ, et al. **Pediatr Dermatol** 1983 Oct;1(2):179

OCCURRENCE

Pediculosis humanus capitis among primary school children in Ile-Ife, Nigeria. Jinadu MK. **J R Soc Health** 1985 Feb;105(1):25-7

Pediculosis capitis among rural and urban schoolchildren in Nigeria. Ogunrinade AF, et al. **Trans R Soc Trop Med Hyg** 1984;78(5):590-2

[Head lice in school children in Jerusalem] Tamir D, et al. **Harefuah** 1984 Aug;107(3-4):93-5 (Eng. Abstr.) **(Heb)**

PATHOLOGY

'Pediculid': an unusual id reaction to pediculosis capitis [letter] Brenner S. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):125-6

PREVENTION & CONTROL

[Pediculus humanus capitis: a municipal antiparasite campaign among school children] Bolívar B, et al. **An Esp Pediatr** 1984 Nov 30;21(8):757-60 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Attitude to head lice--a more powerful force than insecticides. Maunder B. **J R Soc Health** 1985 Apr;105(2):61-4

THERAPY

Controversies in paediatric dermatology. Rasmussen JE. **Australas J Dermatol** 1984 Aug;25(2):37-44 (31 ref.)

VETERINARY

The treatment and eradication of sheep lice and ked with cyhalothrin--a new synthetic pyrethroid. Rundle JC, et al. **Aust Vet J** 1984 Dec;61(12):396-9

Tricholipeurus balanicus balanicus (Werneck, 1938) (Mallophaga, Trichodectidae) on blackbuck antelope (Antilope cervicapra L.) in Texas. Wright FC. **J Wildl Dis** 1985 Jan;21(1):68

Efficacy of ivermectin against the sucking louse Solenopotes capillatus. Barth D, et al. **Vet Rec** 1985 Mar 9;116(10):267

[Scanning electron microscopic study of female Bovicola caprae and B. limbata (Mallophaga) of Capra hircus] Soler-Cruz MD, et al. **Angew Parasitol** 1985 Mar;26(1):47-50 **(Ger)**

[Hematologic and biochemical indicators in young cattle with pediculosis] Kamyszek F, et al. **Wiad Parazytol** 1984;30(5-6):617-28 (Eng. Abstr.) **(Pol)**

PEDICULUS

The susceptibility of some insect population in Addis Ababa, Ethiopia to DDT and malathion. Mekuria Y, et al. **East Afr Med J** 1984 Aug;61(8):618-23

DRUG EFFECTS

Control of the human head louse with disulfiram and benzyl benzoate emulsions. A laboratory study. Brinck-Lindroth G, et al. **Acta Derm Venereol (Stockh)** 1984;64(4):325-30

IMMUNOLOGY

[An allergic reaction from contact with Pediculus humanus capitis (head lice) (letter)] Lafeber A. **Ned Tijdschr Geneeskd** 1984 Sep 29;128(39):1860-1 **(Dut)**

ULTRASTRUCTURE

[Micromorphology of the malpighian tubules in the louse Pediculus humanus corporis (Anoplura)] Chaĭka SIu. **Biol Nauki** 1985;(2):51-5 (Eng. Abstr.) **(Rus)**

PEDIGREE

The effects of conditioning on probands to correct for multiple ascertainment. Boehnke M, et al. **Am J Hum Genet** 1984 Nov;36(6):1298-308

Collection and analysis of pedigree data. Goldgar DE. **Birth Defects** 1984;20(6):61-76

Comparison of ascertainment-bias correction schemes for pedigrees ascertained through multiple probands. Majumder PP. **Stat Med** 1985 Apr-Jun;4(2):163-73

PEDIOCOCCUS

ISOLATION & PURIFICATION

Isolation and characterization of Pediococcus halophilus from salted anchovies (Engraulis anchoita). Villar M, et al. **Appl Environ Microbiol** 1985 Mar;49(3):664-6

METABOLISM

Lactate metabolism by pediococci isolated from cheese. Thomas TD, et al. **Appl Environ Microbiol** 1985 Apr;49(4):908-13

PEDODONTICS

see related
TOOTH, DECIDUOUS

The Wells report. A study of the American Society of Dentistry for Children. Final report containing findings, conclusions and recommendations. November 1984. Kleindorfer JW, et al. **ASDC J Dent Child** 1985 Jan-Feb;52(1):17-28

Pediatric dentistry as it relates to the pediatrician. Primosch RE. **Pediatr Ann** 1985 Feb;14(2):104-6

[Organization of prophylactic work in the Pedodontics Department of the Klaipeda Dental Polyclinic, Lithuanian SSR] Rochene IV, et al. **Stomatologiia (Mosk)** 1984 Nov-Dec;63(6):28-30 (Eng. Abstr.) **(Rus)**

EDUCATION

Curriculum guidelines for predoctoral pediatric dentistry. **J Dent Educ** 1985 Aug;49(8):607-10

HISTORY

[History and activities of the Pedodontic and Orthodontic Clinic of the Semmelweis University School of Medicine for a quarter of a century] Dénes J. **Fogorv Sz** 1984 Sep;77(9):258-9 **(Hun)**

METHODS

The modern pediatric dental office experience. Kuster CG. **Pediatr Ann** 1985 Feb;14(2):148, 152-3, 156-8

[Conscious sedation in pedodontics. Introduction to the technic of inhalation sedation] Furtado I. **Rev Port Estomatol Cir Maxilofac** 1984 Jan-Mar;25(1):649-66 (Eng. Abstr.) **(Por)**

[Up-to-date forms and methods of health education work for the pedodontist] Belova NA. **Stomatologiia (Mosk)** 1984 Nov-Dec;63(6):24-6 (Eng. Abstr.) **(Rus)**

STANDARDS

[Complex analysis of the tasks of pediatric dentistry. (III) Orthodontic studies] Paphalmy Z, et al. **Fogorv Sz** 1984 Aug;77(8):235-9 (Eng. Abstr.) **(Hun)**

TRENDS

[Outlook for the development of pedodontics in the USSR] **Stomatologiia (Mosk)** 1984 Nov-Dec;63(6):4-6 **(Rus)**

PEDOPHILIA see under **PARAPHILIAS**

PEER GROUP

The use of time-out, peer retraining and differential reinforcement of other behaviours (DRO) to reduce disruptive behaviours in a profoundly retarded boy. Aguerrevere L, et al. **Acta Cient Venez** 1984;35(1):75-8

The influence of male and female best friends on adolescent sexual behavior. Billy JO, et al. **Adolescence** 1985 Spring;20(77):21-32

Father's influence on his daughter's marijuana use viewed in a mother and peer context. Brook JS, et al. **Adv Alcohol Subst Abuse** 1985 Spring-Summer; 4(3-4):165-90

On processes of peer influences in adolescent drug use: a developmental perspective. Kandel DB. **Adv Alcohol Subst Abuse** 1985 Spring-Summer; 4(3-4):139-63

Interactions between severely mentally retarded students and other students in integrated and segregated public school settings. Brinker RP. **Am J Ment Defic** 1985 May; 89(6):587-94

High school students' attitudes and actions toward 'slow learners'. Miller CT, et al. **Am J Ment Defic** 1984 Sep; 89(2):156-66

Peer-mediated approaches to promoting children's social interaction: a review. Odom SL, et al. **Am J Orthopsychiatry** 1984 Oct;54(4):544-57 (47 ref.)

Health care providers' and peers' impressions of elderly hearing aid wearers. Danhauer JL, et al. **Am J Otol** 1985 Mar;6(2):146-9

Peer interventions. Increasing social behaviors in multihandicapped children. Sisson LA, et al. **Behav Modif** 1985 Jul;9(3):293-321

Coordinating attention to people and objects in mother-infant and peer-infant interaction. Bakeman R, et al. **Child Dev** 1984 Aug;55(4):1278-89

Behavior problems of peer-neglected and peer-rejected elementary-age children: parent and teacher perspectives. French DC, et al. **Child Dev** 1985 Feb;56(1):246-52

The cultural context of gender segregation in children's peer groups. Harkness S, et al. **Child Dev** 1985 Feb;56(1):219-24

Bridging the gap: parent-child play interaction and peer interactive competence. MacDonald K, et al. **Child Dev** 1984 Aug;55(4):1265-77

Social ratings of children with cleft lip by school peers. Schneiderman CR, et al. **Cleft Palate J** 1984 Jul; 21(3):219-23

Handicapped adolescents as cross-age tutors: program description and evaluation. Maher CA. **Except Child** 1984 Sep;51(1):56-63

Integrating handicapped and nonhandicapped preschoolers: developmental impact on nonhandicapped children. Odom SL, et al. **Except Child** 1984 Sep;51(1):41-8

Projective measurement of adult peer relations as a function of chronological age. Richardson V. **Int J Aging Hum Dev** 1984-85;19(1):11-23

Comparisons among peer and professionally directed groups for the elderly: implications for the development of self-help groups. Lieberman MA, et al. **Int J Group Psychother** 1985 Apr;35(2):155-75

Peer relationships in ADDH and normal children: a developmental analysis of peer and teacher ratings. Johnston C, et al. **J Abnorm Child Psychol** 1985 Mar; 13(1):89-100

The initial social encounters of high and low social effectiveness school-aged children. Newcomb AF, et al. **J Abnorm Child Psychol** 1985 Mar;13(1):45-58

Correlates of adult and child perceptions of social competency. Ollendick TH, et al. **J Abnorm Child Psychol** 1985 Mar;13(1):129-41

Health peer outreach by high school students. Demeny M, et al. **J Adolesc Health Care** 1985 May;6(3):206-10

The use of peer monitors to reduce negative interaction during recess. Dougherty BS, et al. **J Appl Behav Anal** 1985 Summer;18(2):141-53

Teacher- versus peer-mediated instruction: an ecobehavioral analysis of achievement outcomes. Greenwood CR, et al. **J Appl Behav Anal** 1984 Winter;17(4):521-38

Increasing handicapped preschoolers' peer social interactions: cross-setting and component analysis. Odom SL, et al. **J Appl Behav Anal** 1985 Spring;18(1):3-16

Training mildly handicapped peers to facilitate changes in the social interaction skills of autistic children. Shafer MS, et al. **J Appl Behav Anal** 1984 Winter;17(4):461-76

Poor peer interactions and social isolation: a case report of successful in vivo social skills training on a child psychiatric inpatient unit. Van Hasselt VB, et al. **J Behav Ther Exp Psychiatry** 1984 Sep;15(3):271-6

Interactions of language-delayed and normal preschool boys with their peers. Siegel LS, et al. **J Child Psychol Psychiatry** 1985 Jan;26(1):77-83

Boys with peer adjustment problems: social cognitive processes. Asarnow JR, et al. **J Consult Clin Psychol** 1985 Feb;53(1):80-7

Children's loneliness: a comparison of rejected and neglected peer status. Asher SR, et al. **J Consult Clin Psychol** 1985 Aug;53(4):500-5

Peer-led program for the treatment and prevention of obesity in the schools. Foster GD, et al. **J Consult Clin Psychol** 1985 Aug;53(4):538-40

Development and validation of a behavioral peer-rating measure of depression. Malouff J. **J Consult Clin Psychol** 1984 Dec;52(6):1108-9

Pathways to adolescent drug use: self-derogation, peer influence, weakening of social controls, and early substance use. Kaplan HB, et al. **J Health Soc Behav** 1984 Sep; 25(3):270-89

Peers, parents, and partners. Determining the needs of the support person in an abortion clinic. Beeman PB. **J Obstet Gynecol Neonatal Nurs** 1985 Jan-Feb;14(1):54-8

Exploring peer relationships. Crockett MS. **J Psychosoc Nurs Ment Health Serv** 1984 Oct;22(10):18-25

Starting a peer counseling program in the high school. Blain GH, et al. **J Sch Health** 1985 Mar;55(3):116-8

How peers perceive the female adolescent smoker. Germer P, et al. **J Sch Health** 1984 Sep;54(8):285-7

The effects of an intraclass peer tutoring program on the sight-word recognition ability of students who are mildly mentally retarded. Carlton MB, et al. **Ment Retard** 1985 Apr;23(2):74-8

Comparison of self- and peer-perceptions of mentally retarded children. Bliss LS. **Percept Mot Skills** 1985 Jun; 60(3):987-93

Children's problems in peer relations and severity of behavior disorders. Hill KA. **Psychol Rep** 1984 Dec;55(3):725-6

Normal peers' reactions toward autistic children following a tutoring experience. Prather JH, et al. **Psychol Rep** 1984 Dec;55(3):887-92

'Barefoot doctors' in rural Georgia: the effect of peer selection on the performance of trained volunteers. Kay BJ. **Soc Sci Med** 1984;19(8):873-8

Job stress, cigarette smoking and cessation: the conditioning effects of peer support. Westman M, et al. **Soc Sci Med** 1985;20(6):637-44

[Sex role stereotypes and quality attributions of typical boys and girls] Lohaus A, et al. **Arch Psychol (Frankf)** 1985; 137(1):30-49 (Eng. Abstr.) **(Ger)**

PEER REVIEW

The peer review privilege: a law in search of a valid policy. Goldberg BA. **Am J Law Med** 1984 Summer;10(2):151-67

Peer and/or peerless review. Some vagaries of the editorial process. Baue AE. **Arch Surg** 1985 Aug;120(8):885-8

Unido's ICGEB: a case of petty politics prevailing over scientific peer-reviews. Matangkasombut P. **Asian Pac J Allergy Immunol** 1984 Jun;2(1):154-5

Peer review in a social work department. Truswell S. **Aust Clin Rev** 1984 Dec;(15):26-8

Exaggerated responsiveness to thyrotrophin releasing hormone: a risk factor in women with coronary artery disease. Dean JW, et al. **Br Med J [Clin Res]** 1985 May 25;290(6481):1555-61

The treatment review panel: a solution to treatment refusal? Zito JM, et al. **Bull Am Acad Psychiatry Law** 1984; 12(4):349-58

Results of the peer assessment program of the College of Physicians and Surgeons of Ontario. McAuley RG, et al. **Can Med Assoc J** 1984 Sep 15;131(6):557-61

Legal aspects of peer review. Schmidt SM. **Conn Med** 1984 Oct;48(10):677-80

Professional self-regulation: peer review. DiAngelis AJ, et al. **Dent Clin North Am** 1985 Jul;29(3):437-47

Formats for peer review of dynamic psychotherapy. Shepherd GL. **Hosp Community Psychiatry** 1985 May; 36(5):517-20

Confidentiality of peer review records. **IMJ** 1984 Dec; 166(6):409

An introduction to the evaluation of nursing care: a review of the literature. Wright D. **J Adv Nurs** 1984 Sep; 9(5):457-67

Peer review, third-party payment, and the analytic situation: a case report. Rudominer HS. **J Am Psychoanal Assoc** 1984; 32(4):773-95

Hospital admissions for pneumonia. A Kentucky Peer Review Organization study. Scott SR. **J Ky Med Assoc** 1985 Feb;83(2):73-4

Epidemiological research, interest groups, and the review process. Soskolne CL. **J Public Health Policy** 1985 Jun; 6(2):173-84

Clinical audit [letter] Hospedales CJ. **Lancet** 1985 Sep 7; 2(8454):556

Peer review--a whiff of grapeshot. Best J. **Med J Aust** 1985 Sep 16;143(6):247-8

Can confidential records be subpoenaed? **Mich Med** 1984 Dec;83(58):679-84

Peer review in Missouri. Akhter MN. **Mo Med** 1985 Jan; 82(1):30-1

Unexplained deaths in a children's hospital. An epidemiologic assessment. Buehler JW, et al. **N Engl J Med** 1985 Jul 25; 313(4):211-6

A mysterious cluster of deaths and cardiopulmonary arrests in a pediatric intensive care unit. Istre GR, et al. **N Engl J Med** 1985 Jul 25;313(4):205-11

Discovery of peer review proceedings. Alt HA. **Tex Med** 1984 Sep;80(9):79-80

Medicine and the law. Peer review of fees--1985 update. Young MG. **Tex Med** 1985 Jun;81(6):78-80

LEGISLATION & JURISPRUDENCE

Peer review and the law. **Aust Clin Rev** 1984 Mar;(11):23-9

METHODS

Identifying problems. A position paper of the AMA/ACHS Peer Review Resource Centre. **Aust Clin Rev** 1984 Mar; (11):20-2

Submission to Law Reform Commission Australia on reference of evidence laws. Burden of proof. **Aust Clin Rev** 1984 Sep;(14):28-38

Management and the medical profession. **Aust Clin Rev** 1984 Sep;(14):25-7

Commentary: The Peer Review Organization of New Jersey, Inc. Kingsley DI. **J Med Soc NJ** 1985 Mar;82(3):229-30

MSNJ Peer Review Organization Criteria Committee. Krosnick A. **J Med Soc NJ** 1985 Mar;82(3):194-5

Cardiac surgery review--by peers or by state? Porter S. **Ohio State Med J** 1985 Feb;81(2):86-9, 91

Medicine and the law. Review panels in Virginia 1972-1982. Nelson K, et al. **Va Med** 1985 Feb;112(2):82-3

STANDARDS

Peer review [letter] Raza A, et al. **Ann Intern Med** 1985 Sep; 103(3):470-1

Journal peer review [letter] **N Engl J Med** 1985 Aug 15; 313(7):455-6

The need for a research agenda. Bailar JC 3d, et al. **N Engl J Med** 1985 Mar 7;312(10):654-7

Reviewer status and review quality. Experience of the Journal of Clinical Investigation. Stossel TP. **N Engl J Med** 1985 Mar 7;312(10):658-9

TRENDS

AMA/ACHS Peer Review Resource Centre strategy for 1984. **Aust Clin Rev** 1984 Mar;(11):6-14

Keeping in touch. Notes from the OFPR. Thrift N. **J Okla State Med Assoc** 1985 May;78(5):146-7

Peer review in Minnesota--the Foundation for Health Care Evaluation-1985. Woellner RC. **Minn Med** 1985 Jun; 68(6):465-8

Health insurance and psychiatry: one peer reviewer's perspective. Parlour RR, et al. **Psychiatr Q** 1984 Fall; 56(3):167-77

PEER REVIEW ORGANIZATIONS see **PROFESSIONAL STANDARDS REVIEW ORGANIZATIONS**

PELGER-HUET ANOMALY

BLOOD

Acquired Pelger-Huet anomaly associated with Mycoplasma pneumoniae pneumonia. van Hook L, et al. **Am J Clin Pathol** 1985 Aug;84(2):248-51

CHEMICALLY INDUCED

Reversible Pelger-Huët anomaly associated with ibuprofen therapy. Deutsch PH, et al. **Arch Intern Med** 1985 Jan; 145(1):166

COMPLICATIONS

[Nonspecific immunity in Salmonella infection and Pelger-Huet anomaly] Komov DO, et al. **Pediatriia** 1984 Dec;(12):66 **(Rus)**

FAMILIAL & GENETIC

Cytogenetic and functional studies of leukocytes with Pelger-Huët anomaly. Matsumoto T, et al. **Acta Haematol (Basel)** 1984;72(4):264-73

OCCURRENCE

[Hereditary blood anomalies in the Abruzzi population in Valle del Sangro: from hematologic genetics to the history of a population] Salvati F, et al. **Minerva Med** 1985 Apr 28;76(17-18):841-6 (Eng. Abstr.) **(Ita)**

VETERINARY

Pelger-Huët anomaly in cats. Latimer KS, et al. **Vet Pathol** 1985 Jul;22(4):370-4

PELIOSIS HEPATIS see under **LIVER DISEASES**

PELIZAEUS-MERZBACHER DISEASE see **CEREBRAL SCLEROSIS, DIFFUSE**

PELLAGRA

CHEMICALLY INDUCED

Pellagra encephalopathy among tuberculous patients: its relation to isoniazid therapy. Ishii N, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul;48(7):628-34

COMPLICATIONS

[Neurological manifestations of pellagra: description of 2 cases] Molina Arjona JA, et al. **Med Clin (Barc)** 1985 Jan 26;84(3):109-11 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

A case in which treatment proved the diagnosis. McCauley KM, et al. **Geriatrics** 1984 Oct;39(10):114-7

ETIOLOGY

A reexamination of the composition of diets associated with pellagra. Carpenter KJ, et al. **J Nutr** 1985 May; 115(5):543-52

[Pellagra: a disease to re-evaluate? (editorial)] Soriano E, et al. **Med Clin (Barc)** 1985 Jan 26;84(3):104-5 **(Spa)**

HISTORY

Pellagra in Kenya. Past and present. Jansen AA, et al.

East Afr Med J 1984 Mar;61(3):220-6

PATHOLOGY

Pellagra in a patient with anorexia nervosa. Rapaport MJ. **Arch Dermatol** 1985 Feb;121(2):255-7

PHYSIOPATHOLOGY

Growth hormone response to thyrotropin releasing hormone in a pellagrin. Ieiri T, et al. **Endocrinol Jpn** 1984 Aug; 31(4):483-90

PELLETS, DRUG see **DRUG IMPLANTS**

PELVIC BONES

Embolization of pelvic bone metastases from renal cell carcinoma. Braedel HU, et al. **Eur Urol** 1984;10(6):380-4

Local recurrence, rate and sites of metastases, and time to relapse as a function of treatment regimen, size of primary and surgical history in 62 patients presenting with non-metastatic Ewing's sarcoma of the pelvic bones. Evans R, et al. **Int J Radiat Oncol Biol Phys** 1985 Jan;11(1):129-36

Chondrosarcoma metastatic to the oral cavity. Sherr DL, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):622-6

ABNORMALITIES

Polymelia in a Hereford-cross calf. Johnston A. **Vet Rec** 1985 Jun 1;116(22):585-6

ANATOMY & HISTOLOGY

Measurement of the Tibetan (Gansu) female pelvis. Guo JY, et al. **Acta Acad Med Wuhan** 1985;5(1):61-3

Pelvimetry by magnetic resonance imaging. Stark DD, et al. **AJR** 1985 May;144(5):947-50

Some consequences of the evolution of the human pelvis. Stefani R. **Arch Ital Anat Embriol** 1984 Apr-Jun; 89(2):131-40

GROWTH & DEVELOPMENT

[Can the development and maturation of the pelvic bones be used to support and amplify the determination of bone age in adolescents and young adults?] Güvener M, et al. **Rontgenpraxis** 1984 Jul;37(7):264-8 **(Ger)**

INJURIES

Posterior stabilization of pelvic fractures by use of threaded compression rods. Case reports and mechanical testing. Shaw JA, et al. **Clin Orthop** 1985 Jan-Feb;(192):240-54

Pelvic fractures and related clinical injuries. Propp DA. **Compr Ther** 1985 Feb;11(2):53-61

Injuries of the pelvis and hip. Bucholz RW. **Emerg Med Clin North Am** 1984 May;2(2):331-46 (13 ref.)

Unsuspected injury of the caecum accompanying fracture of the pelvis. London PS. **Injury** 1985 Mar;16(5):324-6

The mortality of patients with minor fractures of the pelvis. Spencer JD, et al. **Injury** 1985 Mar;16(5):321-3

The value of computerized tomography in fractures of the pelvic ring. Hoffmeyer P, et al. **Int Orthop** 1984;8(1):1-8

Fractures of the pelvis. New methods of diagnosis and treatment. Harty ML, et al. **J Ky Med Assoc** 1984 Sep; 82(9):470-4

Pelvic fractures in children. Torode I, et al. **J Pediatr Orthop** 1985 Jan-Feb;5(1):76-84

A study of external skeletal fixation systems for unstable pelvic fractures. Dahners LE, et al. **J Trauma** 1984 Oct; 24(10):876-81

Vaginal injuries in patients with pelvic fractures. Niemi TA, et al. **J Trauma** 1985 Jun;25(6):547-51

Subtle neurological injuries in pelvic fractures. Weis EB Jr. **J Trauma** 1984 Nov;24(11):983-5

CT in pelvic trauma. Dalinka MK, et al. **Orthop Clin North Am** 1985 Jul;16(3):471-80

[Open pelvic fracture: report of 86 cases] Li CQ. **Chung Hua Wai Ko Tsa Chih** 1984 May;22(5):299-301 (Eng. Abstr.) **(Chi)**

[Diagnosis and emergency treatment of traumatic rupture of the male urethra in pelvic fractures. Apropos of 14 cases] Viville C, et al. **J Urol (Paris)** 1984;90(3):181-5 (Eng. Abstr.) **(Fre)**

[The pelvis and urinary organs from the surgical and urologic viewpoint] Jungbluth KH, et al. **Langenbecks Arch Chir** 1984;364:95-101 (Eng. Abstr.) **(Ger)**

[Detection of occult fractures of the pelvic bones by roentgen computed tomography] Heuck F, et al. **Radiologe** 1985 Mar;25(3):114-20 (Eng. Abstr.) **(Ger)**

[Potentialities of radiological diagnosis of injuries to the dorsal pelvic ring] Wetzel E, et al. **ROFO** 1985 Mar; 142(3):291-5 (Eng. Abstr.) **(Ger)**

[Traumatic hemipelvectomy--report of 2 cases] Sattel W, et al. **Unfallchirurgie** 1984 Aug;10(4):213-5 (Eng. Abstr.) **(Ger)**

[Abdominal injuries accompanying pelvic fractures] Schwemmle K, et al. **Unfallchirurgie** 1985 Feb;11(1):7-11 (Eng. Abstr.) **(Ger)**

[Various forms of unstable pelvic ring injuries and their treatment] Müller-Färber J, et al. **Unfallheilkunde** 1984 Nov;87(11):441-55 (Eng. Abstr.) **(Ger)**

[Traumatic rupture of the uterus associated with pelvic fracture] Turcsányi C, et al. **Orv Hetil** 1985 Aug 11; 126(32):1979-80 (Eng. Abstr.) **(Hun)**

[Fractures of the pelvis with urologic injuries] Moczydlowski Z, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(2):131-3 (Eng. Abstr.) **(Pol)**

[Combined fractures of the pelvic bones and the femur in children] Dzhalilov PS. **Ortop Travmatol Protez** 1985 Jun; (6):12-5 (Eng. Abstr.) **(Rus)**

[Classification of fractures of pelvic bones] Karalin AN. **Ortop Travmatol Protez** 1985 Jun;(6):60-2 **(Rus)**

[Determination of the sequence of pelvic bone fractures in repeated blunt trauma] Sarkisian BA. **Sud Med Ekspert** 1985 Apr-Jun;28(2):45-7 (Eng. Abstr.) **(Rus)**

[Pelvic bone fractures in children] Dzhalilov PS. **Vestn Khir** 1985 Mar;134(3):86-8 (Eng. Abstr.) **(Rus)**

[Fractures of the pelvis] Vukotić D. **Acta Chir Iugosl** 1984; 31 Suppl 1:23-9 **(Ser)**

PATHOLOGY

Myositis ossificans articulating with the pelvis. A case report. Nielsen BF. **Acta Orthop Scand** 1985 Feb;56(1):86

Determination of sex with a discriminant analysis of new pelvic bone measurements: Part I. Schulter-Ellis FP, et al. **J Forensic Sci** 1983 Jan;28(1):169-80

PHYSIOPATHOLOGY

Effects of prosthetic acetabular replacement on strains in the pelvis. Lionberger D, et al. **J Orthop Res** 1985;3(3):372-9

RADIOGRAPHY

The radiology of tumours of the pelvis. Goddard P, et al. **Bristol Med Chir J** 1984 Oct;99(372):114-9

Prospective randomized study of x-ray pelvimetry in the primigravida. Parsons MT, et al. **Obstet Gynecol** 1985 Jul; 66(1):76-9

SURGERY

Resection of large tumors of the anterior pelvic ring while preserving functional stability of the hip. Karaharju EO, et al. **Clin Orthop** 1985 May;(195):270-4

Pelvic osteotomy: an alternative to total hip replacement in the young adult. Dunn HK, et al. **Hip** 1984;:3-13

A combination pelvic osteotomy for acetabular dysplasia in children. Perlik PC, et al. **J Bone Joint Surg [Am]** 1985 Jul;67(6):842-50

Innominate osteotomy in Perthes' disease. A radiological survey of results. Maxted MJ, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):399-401

Resection of a peri-acetabular chondrosarcoma and reconstruction of the pelvis. A case report. Nielsen HK, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):413-5

Pelvic deformity after simple pelvic osteotomy. Küsswetter W, et al. **Nippon Geka Hokan** 1985 Mar 1;54(2):67-74

Improvement of femoral head coverage by Chiari osteotomy. Küsswetter W, et al. **Nippon Geka Hokan** 1985 Mar 1; 54(2):75-81

[Initial experience with Steel's triple pelvic osteotomy] Dungl P, et al. **Acta Chir Orthop Traumatol Cech** 1985 Jul; 52(4):303-15 (Eng. Abstr.) **(Cze)**

[Chiari's osteotomy. Difficulties in the realization of biomechanical goals. Apropos of 32 operations] Gougeon F, et al. **Rev Chir Orthop** 1984;70(8):599-611 (Eng. Abstr.) **(Fre)**

[Chiari's osteotomy in adults. Apropos of 72 cases] Lord G, et al. **Rev Chir Orthop** 1985;71(3):205-11 (Eng. Abstr.) **(Fre)**

[Role of orthopedic surgery in the treatment of bone metastasis] Debeyre J, et al. **Rev Rhum Mal Osteoartic** 1985 Mar;52(3):161-9 **(Fre)**

[Experience with pelvic osteotomy in the surgical reconstruction of bladder exstrophy] Giron AM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 May-Jun; 39(3):107-12 (Eng. Abstr.) **(Por)**

PELVIC EXENTERATION

Surgical management of advanced and recurrent cervical carcinoma: the place of pelvic exenteration. Monaghan JM. **Clin Obstet Gynaecol** 1985 Mar;12(1):169-82 (43 ref.)

Total pelvic exenteration for advanced carcinoma of the lower colon. Takagi H, et al. **J Surg Oncol** 1985 Jan; 28(1):59-62

Emphysematous pyelonephritis in a patient with diabetes mellitus and total pelvic exenteration. Bakri YN, et al. **Obstet Gynecol** 1984 Nov;64(5):740-1

[Clinical evaluation of pelvic exenteration for carcinoma of the lower colon] Takeshima H, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jun;75(6):967-72 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Repair of vaginal prolapse and perineal hernia after pelvic exenteration. Barnhill D, et al. **Obstet Gynecol** 1985 May; 65(5):764-6

METHODS

Vaginal reconstruction with a sigmoid loop in pelvic exenteration. Ng HT, et al. **Asia Oceania J Obstet Gynaecol** 1984 Sep;10(3):341-5

[Total pelvic exenteration for primary and locally recurrent rectal cancer] Takagi H, et al. **Gan No Rinsho** 1984 Nov; 30(14):1779-85 (Eng. Abstr.) **(Jpn)**

[Vaginal adenocarcinoma in advanced stage. Anterior pelvic exenteration. Clinical case] Escudero P, et al. **Rev Chil Obstet Ginecol** 1982;47(4):222-8 (Eng. Abstr.) **(Spa)**

MORTALITY

Palliative exenteration--what, when, and why? Stanhope CR, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):12-6

PELVIC HORN SYNDROME see **NAIL-PATELLA SYNDROME**

PELVIC INFLAMMATORY DISEASE see **ADNEXITIS**

PELVIC NEOPLASMS

Bilateral ovarian hemangiomas associated with diffuse abdominopelvic hemangiomatosis. Lawhead RA, et al. **Obstet Gynecol** 1985 Apr;65(4):597-9

ANALYSIS

Solitary pelvic neural tumors with high steroid receptor content. Chetkowski R, et al. **Gynecol Oncol** 1985 Jan; 20(1):43-52

COMPLICATIONS

Treatment with danazol of ureteral obstruction caused by endometriosis. Matsuura K, et al. **Acta Obstet Gynecol Scand** 1985;64(4):339-43

Large bowel obstruction due to pelvic lipomatosis. Jones DJ, et al. **Br J Surg** 1985 Apr;72(4):309

Pelvic endometriosis and tubal inflammatory disease. Forrest J, et al. **Int J Gynecol Pathol** 1984;3(4):343-7

Clinical significance of focal pelvic endometriosis. Starks GC, et al. **J Reprod Med** 1985 Jun;30(6):481-4

Endometriosis associated with ascites. Iwasaka T, et al. **Obstet Gynecol** 1985 Sep;66(3 Suppl):72S-75S

Endometriosis causing ureteral obstruction. Laube DW, et al. **Obstet Gynecol** 1985 Mar;65(3 Suppl):69S-71S

Pelvic lipomatosis causing constriction of the lower urinary tract and the rectum. Case report. Henriksson L, et al. **Scand J Urol Nephrol** 1984;18(3):249-52

[Value of double 'J' ureteral stents in cancerology] Dauplat J, et al. **Ann Urol (Paris)** 1985;19(4):233-8 (Eng. Abstr.) **(Fre)**

[A case of pelvic lipomatosis associated with deep venous thrombosis of the leg. Clinical case and review of the literature] Faenza A, et al. **Minerva Cardioangiol** 1984 Nov; 32(11):803-10 (Eng. Abstr.) **(Ita)**

[Pelvic lipomatosis and thrombosis of the inferior vena cava. Presentation of a case and review of the literature] Estivill X, et al. **Med Clin (Barc)** 1985 Jun 15;85(3):106-10 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Sonographic differential diagnosis of pelvic masses complicating pregnancy. Woo JS, et al. **Asia Oceania J Obstet Gynaecol** 1984 Sep;10(3):333-40

Pelvic renal ectopia: an important consideration in the differential diagnosis of ilio-pelvic masses. Komolafe F, et al. **East Afr Med J** 1984 Aug;61(8):652-6

Sonographic evaluation of children with urinary retention caused by an extragonadal pelvic mass. Kangarloo H, et al. **Int J Pediatr Nephrol** 1985 Apr-Jun;6(2):137-42

MR image contrast and relaxation times of solid tumors in the chest, abdomen, and pelvis. Schmidt HC, et al. **J Comput Assist Tomogr** 1985 Jul-Aug;9(4):738-48

Sonographic demonstration of a pelvic fibromyxoma. Yoshino MT, et al. **J Ultrasound Med** 1985 Jul;4(7):365-6

Pelvic masses in girls: an 8-year retrospective analysis stressing ultrasound as the prime imaging modality. Haller JO, et al. **Pediatr Radiol** 1984;14(6):363-8

Magnetic resonance imaging of the pelvis. Bryan PJ, et al. **Radiol Clin North Am** 1984 Dec;22(4):897-915

Endometriosis detection by US with laparoscopic correlation. Friedman H, et al. **Radiology** 1985 Oct;157(1):217-20

[Perivesical lipomatosis: report of 2 cases] Gao JZ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jan;23(1):49-50, 64 (Eng. Abstr.) **(Chi)**

[Pelvic lipomatosis] Debré B. **Ann Urol (Paris)** 1984 Sep; 18(5):293-300 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Serum estradiol and danazol. I. Endometriosis response, side effects, administration interval, concurrent spironolactone and dexamethasone. Dickey RP, et al. **Fertil Steril** 1984 Nov;42(5):709-16

Pelvic intra-arterial mitomycin C infusion in previously treated patients with metastatic, unresectable, pelvic colorectal cancer and angiographic determination of tumor vascularity. Tseng MH, et al. **J Clin Oncol** 1985 Aug; 3(8):1093-100

Pharmacokinetics of 5-fluorouracil during hyperthermic pelvic isolation-perfusion. Wile AG, et al. **J Clin Oncol** 1985 Jun;3(6):849-52

Gluteal artery occlusion: intra-arterial chemotherapy of pelvic neoplasms. Woods D, et al. **Radiology** 1985 May; 155(2):341-3

[Treatment of endometriosis with traditional Chinese medicine] Tian YB. **Chung Hsi I Chieh Ho Tsa Chih** 1985

NEWARK PUBLIC LIBRARY

Jan;5(1):33-5, 4 (Eng. Abstr.) **(Chl)**

ETIOLOGY

Cohort study of the long-term effect of irradiation for carcinoma of the uterine cervix. Second primary malignancies in the pelvic organs in women irradiated for cervical carcinoma at Radiumhemmet 1914-1965. Pettersson F, et al. **Acta Radiol [Oncol]** 1985 Mar-Apr; 24(2):145-51

Diagnosis and treatment of pelvic lymphoceles in the renal transplant recipient. Lessner AM, et al. **NY State J Med** 1984 Oct;84(10):491-4

Pelvic fibromatosis: an unusual gynecologic tumor. Simon NL, et al. **Obstet Gynecol** 1985 May;65(5):767-9

FAMILIAL & GENETIC

Acute lymphoblastic leukaemia with t(4;11) follows neuroblastoma: a late effect of treatment? Secker-Walker LM, et al. **Med Pediatr Oncol** 1985;13(1):48-50

OCCURRENCE

Evidence for the risk of pelvic endometriosis by age, race and socioeconomic status. Houston DE. **Epidemiol Rev** 1984;6:167-91 (200 ref.)

PATHOLOGY

Presacral masses after abdominoperineal resection for colorectal carcinoma: the need for needle biopsy. Butch RJ, et al. **AJR** 1985 Feb;144(2):309-12

Malignant rhabdoid tumor of the pelvis. Frierson HF Jr, et al. **Cancer** 1985 May 1;55(9):1963-7

Aggressive angiomyxoma of pelvic soft parts: a clinicopathologic study of nine cases. Bégin LR, et al. **Hum Pathol** 1985 Jun;16(6):621-8

Multiple granular cell myoblastomas—a case report. Mullins GM, et al. **Ir Med J** 1984 Sep;77(9):286-7

Giant intrapelvic neurofibroma. Devi D, et al. **J Indian Med Assoc** 1985 Jan;83(1):14-5

A pelvic mass with periosteal reaction [clinical conference]. **NY State J Med** 1985 Mar;85(3):106-8

Fine-needle aspiration in gynecology: evaluation of extrapelvic lesions in patients with gynecologic malignancy. Fortier KJ, et al. **Obstet Gynecol** 1985 Jan; 65(1):67-72

[Anatomo-clinical considerations on 2 cases of hibernoma] Fucini C, et al. **Arch De Vecchi Anat Patol** 1983 Jul; 65(2-3):265-76 (Eng. Abstr.) **(Ita)**

[An autopsy case of epithelioid sarcoma in the pelvis] Wakabayashi J, et al. **Gan No Rinsho** 1984 Dec; 30(15):1937-41 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Intrathecal morphine for intractable pain secondary to cancer of pelvic organs. Wang JK. **Pain** 1985 Jan;21(1):99-102

RADIOGRAPHY

Imaging of abdominal and pelvic masses in children. Siegel MJ, et al. **Curr Probl Diagn Radiol** 1985 Jul-Aug;14(4):1-48 (72 ref.)

Secondary involvement of the transverse colon by tumors of the pelvis: spread of malignancies along the greater omentum. Krestin GP, et al. **Gastrointest Radiol** 1985; 10(3):283-8

Distribution of abdominal and pelvic Hodgkin disease: implications for CT scanning. Aisen AM, et al. **J Comput Assist Tomogr** 1985 May-Jun;9(3):463-5

CAT scan of the month. Pelvic lipomatosis. Montgomery JH, et al. **J Tenn Med Assoc** 1984 Oct;77(10):598, 600

[Pelvic lipomatosis: value of x-ray computed tomography. Apropos of a case] Calès P, et al. **Ann Med Interne (Paris)** 1984;135(7):533-6 (Eng. Abstr.) **(Fre)**

[Pseudotumoral abdominopelvic lipomatosis. Value of the scanographic examination] Jardin M, et al. **J Radiol** 1984 Jun-Jul;65(6-7):449-54 (Eng. Abstr.) **(Fre)**

[False interpretations of computed tomograms in malignant lymph node diseases of the pelvis and abdomen] Feuerbach S, et al. **Digitale Bilddiagn** 1984 Dec;4(4):176-80 (Eng. Abstr.) **(Ger)**

[Value of computerized tomography in the early detection of pelvic recurrences in patients subjected to resection of rectal cancer] Gualdi GF, et al. **Radiol Med (Torino)** 1984 Jan-Feb;70(1-2):7-10 (Eng. Abstr.) **(Ita)**

RADIOTHERAPY

Haemorrhagic chronic radiation cystitis—following treatment of pelvic malignancies. Pillay PK, et al. **Ann Acad Med Singapore** 1984 Oct;13(4):634-8

The mechanism of diarrhoea resulting from pelvic and abdominal radiotherapy; a prospective study using selenium-75 labelled conjugated bile acid and cobalt-58 labelled cyanocobalamin. Yeoh EK, et al. **Br J Radiol** 1984 Dec;57(684):1131-6

New surgical approach to minimize radiation-associated small bowel injury in patients with pelvic malignancies requiring surgery and high-dose irradiation. A preliminary report. Kavanah MT, et al. **Cancer** 1985 Sep 15; 56(6):1300-4

A clinical trial evaluating cholestyramine to prevent diarrhea in patients maintained on low-fat diets during pelvic radiation therapy. Chary S, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1885-90

Tumor control with 125I seeds in childhood pelvic yolk sac tumor [letter] Mameghan H, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1227-8

[Prevention of radiolesions of the small intestine by intrapelvic silicone breast prosthesis] Elias D, et al. **Presse Med** 1985 Jun 1;14(22):1241-2 (Eng. Abstr.) **(Fre)**

[Radiation-induced proctocolitis, the other side of the coin] Häcki WH. **Schweiz Rundsch Med Prax** 1984 Aug 28; 73(35):1065-9 (Eng. Abstr.) **(Ger)**

SECONDARY

Fine needle aspiration study of metastatic mixed adenosquamous carcinoma of the renal pelvis. A case report. Wahl RW. **Acta Cytol (Baltimore)** 1985 Jul-Aug; 29(4):580-3

Tumour spread through the obturator foramen. Abratt RP, et al. **Br J Radiol** 1985 Jul;58(691):673-4

Primary neuroendocrine carcinoma of the skin (Merkel's cell carcinoma). Alexiou G, et al. **J Surg Oncol** 1984 Sep; 27(1):31-4

Sonographic patterns of pelvic and hepatic lesions in persistent trophoblastic disease. Woo JS, et al. **J Ultrasound Med** 1985 Apr;4(4):189-98

Comparison between ultrasound and histopathological evaluation in ovarian cancer patients with complete clinical remission. Sonnendecker EW, et al. **JCU** 1985 Jan;13(1):5-9

[Radiologic diagnosis of metastases in the lesser pelvis] Weigert F, et al. **Radiologe** 1985 Apr;25(4):152-7 (23 ref.) (Eng. Abstr.) **(Ger)**

[Potentials for curing cervical cancer patients with metastases to the regional lymph nodes of the pelvis] Bokhman IaV, et al. **Vopr Onkol** 1985;31(3):34-40 (Eng. Abstr.) **(Rus)**

SURGERY

Palliative exenteration—what, when, and why? Stanhope CR, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):12-6

Ileal conduits for recurrent unresectable colorectal adenocarcinoma. Petrelli NJ, et al. **Am J Surg** 1985 Aug; 150(2):239-42

The abdominoinguinal incision in limb salvage and resection of pelvic tumors. Karakousis CP. **Cancer** 1984 Dec 1; 54(11):2543-8

Adenocarcinoma in a cecal neovagina—complication of irradiation: report of a case and review of literature. Andryjowicz E, et al. **Gynecol Oncol** 1985 Jun;21(2):235-9

Laser laparoscopy. A new modality. Feste JR. **J Reprod Med** 1985 May;30(5):413-7

Photocoagulation of early pelvic endometriosis with the Nd: YAG laser through the laparoscope. Lomano JM. **J Reprod Med** 1985 Feb;30(2):77-81

CO2 laser laparoscopy for the treatment of endometriosis associated with infertility. Martin DC. **J Reprod Med** 1985 May;30(5):409-12

A comparison of end versus loop stomas for ileal conduit urinary diversion. Emmott D, et al. **J Urol** 1985 Apr; 133(4):588-90

Splenosis: a complicating factor in total abdominal hysterectomy. Auerbach RD, et al. **Obstet Gynecol** 1985 Mar;65(3 Suppl):65S-68S

[Prevention of phlebothromboses by pentosan polyester. Study in cancer surgery using labeled fibrinogen] Meynadier J, et al. **Cah Anesthesiol** 1982 Dec;30(8):1045-9 **(Fre)**

[Splenosis: a rare cause for pelvic pain (diagnosis and modern therapy with pelviscopy). A case report] Dietl J, et al. **Geburtshilfe Frauenheilkd** 1985 Jan;45(1):57-8 (Eng. Abstr.) **(Ger)**

[Endometrioses in a surgical patient sample] Putzki H, et al. **Geburtshilfe Frauenheilkd** 1985 Jan;45(1):36-9 (Eng. Abstr.) **(Ger)**

THERAPY

A comparison of deep regional hyperthermia from an annular array and a concentric coil in the same patients. Sapozink MD, et al. **Int J Radiat Oncol Biol Phys** 1985 Jan; 11(1):179-90

Pelvic perfusion hyperthermia for advanced pelvic malignancies. Yokoyama I, et al. **Jpn J Surg** 1985 Jan; 15(1):49-54

Subarachnoid neurolytic block (L5-S1) and unilateral percutaneous cervical cordotomy in the treatment of pain secondary to pelvic malignant disease. Ischia S, et al. **Pain** 1984 Oct;20(2):139-49

[Preliminary elaboration of the method of complex treatment of rhabdomyosarcoma] Bożek J, et al. **Probl Med Wieku Rozwoj** 1984;13:154-63 (Eng. Abstr.) **(Pol)**

PELVIMETRY

A vaginal delivery protocol for the term breech infant utilizing ball pelvimetry. Capeless EL, et al. **J Reprod Med** 1985 Jul;30(7):545-8

Pelvic deformity after simple pelvic osteotomy. Küsswetter W, et al. **Nippon Geka Hokan** 1985 Mar 1;54(2):67-74

The value of X-ray pelvimetry in previous caesarean section pregnancies. Wright M. **S Afr Med J** 1985 Sep 14; 68(6):409-11

METHODS

Prospective randomized study of x-ray pelvimetry in the primigravida. Parsons MT, et al. **Obstet Gynecol** 1985 Jul; 66(1):76-9

[Measurement of the conjugata vera using complex ultrasonic scanning] Bakuleva LP, et al. **Akush Ginekol (Sofiia)** 1985; 24(2):32-4 (Eng. Abstr.) **(Bul)**

[Obstetric pelvimetry using digital radiography (CT topogram)] Reisner K, et al. **ROFO** 1985 May;142(5):566-9 (Eng. Abstr.) **(Ger)**

[Obstetric roentgen diagnosis and special roentgen diagnosis of the female pelvis] Bauer M, et al. **Rontgenpraxis** 1985 Jun;38(6):209-13 **(Ger)**

PELVIS

Advances in the diagnosis and treatment of chronic pelvic pain. Guzinski GM. **Adv Psychosom Med** 1985;12:124-35

Initial instruction in the pelvic examination in the United States and Canada, 1983. Beckmann CR, et al. **Am J Obstet Gynecol** 1985 Jan 1;151(1):58-60

Genital tuberculosis in an elderly woman with the primary symptoms of pelvic prolapse: case report. Montz FJ, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):42-3

The frustrations of chronic pelvic pain [letter] Strausz IK. **Am J Obstet Gynecol** 1985 Feb 1;151(3):416-7

Obliteration of the pelvic space with pedicled omentum after excision of the rectum for cancer. Moreaux J, et al. **Am J Surg** 1984 Nov;148(5):640-4

Discordant gallium-67 and indium-111 leukocyte images in a suspected pelvic abscess. Intenzo C, et al. **Clin Nucl Med** 1984 Nov;9(11):654

Abscess drainage with the aid of pelvic real-time sonography. Bluth EI, et al. **Dis Colon Rectum** 1985 Apr;28(4):262-3

Spinal control of pelvic floor muscles. Dubrovsky B, et al. **Exp Neurol** 1985 May;88(2):277-87

Peritoneal fluid plasminogen activator activity in endometriosis and pelvic adhesive disease. Batzofin JH, et al. **Fertil Steril** 1985 Aug;44(2):277-9

The value of laparoscopy in women with chronic pelvic pain and a 'normal pelvis'. Levitan Z, et al. **Int J Gynaecol Obstet** 1985 Feb;23(1):71-4

Pelvic actinomycosis presenting with rectal stricture. Spickett GP, et al. **J R Soc Med** 1985 Aug;78(8):674-6

Transvaginal pelvic ultrasonography. Schwimer SR, et al. **J Ultrasound Med** 1984 Aug;3(8):381-3

Transvaginal pelvic ultrasonography: accuracy in follicle and cyst size determination. Schwimer SR, et al. **J Ultrasound Med** 1985 Feb;4(2):61-3

Pelvic abscess following appendicitis presenting as a scrotal abscess. Ahlering TE, et al. **J Urol** 1985 Jun;133(6):1058-9

Ultrasound guided manual lysis of abscess loculations. Smith DF, et al. **JCU** 1985 Jun;13(5):350-3

Laparoscopy in 100 women with chronic pelvic pain. Kresch AJ, et al. **Obstet Gynecol** 1984 Nov;64(5):672-4

Chronic pelvic pain: psychological features and laparoscopic findings. Rosenthal RH, et al. **Psychosomatics** 1984 Nov; 25(11):833-41

Real-time pelvic ultrasonography as an adjunct to digital examination. Bluth EI, et al. **Radiology** 1984 Dec; 153(3):789-90

Pelvic pain cured by pelvic examination [letter] Schneiderman H. **West J Med** 1984 Nov;141(5):686

[The diagnostic value of celioscopy in the evaluation of chronic pelvic pain. Apropos of 184 cases] Priou G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(4):395-402 (Eng. Abstr.) **(Fre)**

[Modern diagnosis of genito-pelvic echinococcosis in women] Berić B, et al. **Jugosl Ginekol Opstet** 1984 Sep-Dec;24(5-6):100-1 (Eng. Abstr.) **(Scr)**

[Simultaneous ultrasound and vaginal or rectal examination] Bulić M. **Jugosl Ginekol Opstet** 1984 May-Aug; 24(3-4):67-8 (Eng. Abstr.) **(Scr)**

[Massive bleeding during laparoscopy from varicose changes in the minor pelvis] Fras PA. **Jugosl Ginekol Opstet** 1984 May-Aug;24(3-4):56-7 (Eng. Abstr.) **(Scr)**

ABNORMALITIES

Surgical correction of dipygus. Li ZD, et al. **Chin Med J [Engl]** 1984 Aug;97(8):587-8

Prenatal perforation of the extraperitoneal part of the rectum, associated with a developmental defect of the pelvic floor. Davies MR, et al. **Z Kinderchir** 1984 Aug;39(4):271-3

[Case of renovascular hypertension caused by renal artery stenosis in congenital single kidney in pelvic ectopy] Dean P, et al. **Minerva Urol Nefrol** 1984 Apr-Jun;36(2):135-8 (Eng. Abstr.) **(Ita)**

[Pelvis with shortened straight-line diameter of the wide part of the cavity] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1984 Oct;(10):70-1 **(Rus)**

ANATOMY & HISTOLOGY

Structure of the lower urinary tract and pelvic floor. Gosling JA. **Clin Obstet Gynaecol** 1985 Jun;12(2):285-94

Anal profilometry, a method of investigating the physiology of the anal canal and the pelvic floor. Kielmann J, et al. **Dan Med Bull** 1985 Mar;32(1):61-3

Magnetic resonance imaging of the normal female pelvis. Snoep G, et al. **Diagn Imag Clin Med** 1985;54(2):57-63

Utilization of an anthropomorphic model in pelvic examination instruction. Rakestraw PG, et al. **J Med Educ** 1985 Apr;60(4):343-5

The split image artifact in pelvic ultrasonography: the anatomy and physics. Sauerbrei EE. **J Ultrasound Med** 1985 Jan;4(1):29-34

Precise localization of the autonomic nerves from the pelvic plexus to the corpora cavernosa: a detailed anatomical study of the adult male pelvis. Lepor H, et al. **J Urol** 1985 Feb;133(2):207-12

Obstetrical magnetic resonance imaging: maternal anatomy. McCarthy SM, et al. **Radiology** 1985 Feb;154(2):421-5

The structure of the female lower urinary tract and pelvic floor. Gosling JA. **Urol Clin North Am** 1985 May; 12(2):207-14

Pelvic dimensions, bodyweight and parturition in rare breeds of sheep. Robalo Silva J, et al. **Vet Rec** 1984 Sep 8; 115(10):242-5

[Anatomy of the visceral fascia of the pelvis from the didactic viewpoint] Richter K, et al. **Geburtshilfe Frauenheilkd** 1985 May;45(5):282-7 (Eng. Abstr.) **(Ger)**

[Normal anatomic structures of the body in the MR-tomogram: studies with a 0.35 superconducting magnet. 2. Abdomen, pelvis, musculoskeletal system] Reiser M, et al. **Rontgenpraxis** 1985 Jan;38(1):11-8 **(Ger)**

BLOOD SUPPLY

Percutaneous transluminal angioplasty of arteriosclerotic lesions in the pelvis and lower extremities. Bergqvist D, et al. **Acta Chir Scand** 1984·150(6):445-9

Treatment of pelvic varicosities causing lower abdominal pain with extraperitoneal resection of the left ovarian vein. Rundqvist E, et al. **Ann Chir Gynaecol** 1984;73(6):339-41

Diagnosis of pelvic varicosities in women with chronic pelvic pain. Beard RW, et al. **Lancet** 1984 Oct 27;2(8409):946-9

Blood flow in deep abdominal and pelvic vessels: ultrasonic pulsed-Doppler analysis. Taylor KJ, et al. **Radiology** 1985 Feb;154(2):487-93

Angiography and embolization of the corona mortis (aberrant obturator artery). A source of persistent pelvic bleeding. Marsman JW, et al. **ROFO** 1984 Dec;141(6):708-10

[Preliminary observation of dysmenorrhoea due to blood stagnation using female pelvic rheography and its clinical application] Hong JT. **Chung Hua Fu Chan Ko Tsa Chih** 1984 Oct;19(4):203-6 **(Chi)**

[Santorini's venous plexus] Benoit G, et al. **Ann Urol (Paris)** 1984 Dec;18(6):393-6 (Eng. Abstr.) **(Fre)**

[Composite arterial prosthesis for aortofemoral reconstruction with preservation of hypogastric flow] Branchereau A, et al. **Presse Med** 1985 Apr 13; 14(15):839-40 (Eng. Abstr.) **(Fre)**

[Venous digital subtraction arteriography of the pelvic and leg area with step displacement] Frank T, et al. **Rontgenblatter** 1984 Nov;37(11):373-6 (Eng. Abstr.) **(Ger)**

[Prone position intravenous digital subtraction angiography of the pelvis] Kodera K. **Rinsho Hoshasen** 1985 Apr; 30(4):529-30 (Eng. Abstr.) **(Jpn)**

[Acquired disorders of venous circulation in the pelvis and lower limbs in children] Marciński A, et al. **Pol Przegl Radiol (Warszawa)** 1984 Jan-Feb;48(1):13-8 (Eng. Abstr.) **(Pol)**

[Pelvic thrombophlebitis. Medical treatment. Report of 3 cases] Almuna R, et al. **Rev Chil Obstet Ginecol** 1981; 46(3):134-41 **(Spa)**

GROWTH & DEVELOPMENT

[Pelvic echographic data during normal and pathological development in girls] Colle M. et al. **Arch Fr Pediatr** 1984 Jun-Jul;41(6):405-8 (Eng. Abstr.) **(Fre)**

INJURIES

Blunt pelvic trauma with urethral injury in the female: a case report and review of the literature. Barach E, et al. **J Emerg Med** 1984;2(2):101-5

Hemipelvectomy, a lifesaving operation in severe open pelvic injury in childhood. Lipkowitz G, et al. **J Trauma** 1985 Sep;25(9):823-7

Pelvic and acetabular fractures: examination by angled CT scanning. Burk DL Jr, et al. **Radiology** 1984 Nov;153(2):548

Penetrating wounds of the pelvis. Theodorakis SP, et al. **South Med J** 1985 Jul;78(7):782-3, 789

[Angiography and embolization in the treatment of vascular complications of pelvic injuries] Reizine D, et al. **Ann Radiol (Paris)** 1984 Sep-Oct;27(6):457-63 (Eng. Abstr.) **(Fre)**

[The pelvis and urinary organs from the surgical and urologic viewpoint] Jungbluth KH, et al. **Langenbecks Arch Chir** 1984;364:95-101 (Eng. Abstr.) **(Ger)**

[Traumatic hemipelvectomy--report of 2 cases] Sattel W, et al. **Unfallchirurgie** 1984 Aug;10(4):213-5 (Eng. Abstr.) **(Ger)**

[Injuries of the pelvis and pelvic organs] Jovanović Z, et al. **Vojnosanit Pregl** 1984 Sep-Oct;41(5):397-400 (Eng. Abstr.) **(Scr)**

INNERVATION

The effects of pelvic neurectomy on collagen in the cervix of the pseudopregnant rat. Burden HW, et al. **Anat Rec** 1984 Dec;210(4):575-81

Sexual dimorphism in the numbers of neurons in the pelvic ganglia of adult rats. Greenwood D, et al. **Brain Res** 1985 Aug 5;340(1):160-2

Pelvic afferent reflex control of rectal motility and lumbar colonic efferent discharge mediated by the pontine sympatho-inhibitory region in guinea pigs. Takaki M, et al. **Pflugers Arch** 1985 Feb;403(2):164-9

Immunoreactive vasoactive intestinal polypeptide is concentrated in the sacral spinal cord: a possible marker for pelvic visceral afferent fibers. Basbaum AI, et al. **Somatosens Res** 1983;1(1):69-82

[Retention of the pelvic nerve plexus in total hysterectomy] Noda K. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb; 37(2):313-7 **(Jpn)**

[Evoked hypothalamic potentials from the pelvic nerve] Baklavadzhian OG, et al. **Fiziol Zh SSSR** 1985 Jan; 71(1):65-71 (Eng. Abstr.) **(Rus)**

METABOLISM

[Fundamental studies of cefoxitin in the field of obstetrics and gynecology] Ito K, et al. **Jpn J Antibiot** 1985 Jan; 38(1):95-101 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Relationship of spine deformity and pelvic obliquity on sitting pressure distributions and decubitus ulceration. Drummond D, et al. **J Pediatr Orthop** 1985 Jul-Aug;5(4):396-402

PHYSIOLOGY

Contribution of pelvic and lower limb motion to increases in the angle of passive straight leg raising. Bohannon R, et al. **Phys Ther** 1985 Apr;65(4):474-6

Pelvic tilt. Intratester reliability of measuring the standing position and range of motion. Gajdosik R, et al. **Phys Ther** 1985 Feb;65(2):169-74

PHYSIOPATHOLOGY

Experience of posterior division of the puborectalis muscle in the management of chronic constipation. Barnes PR, et al. **Br J Surg** 1985 Jun;72(6):475-7

Electrophysiological and manometric assessment of the pelvic floor in the solitary rectal ulcer syndrome. Snooks SJ, et al. **Br J Surg** 1985 Feb;72(2):131-3

RADIATION EFFECTS

Whole abdominal and pelvic irradiation in patients with minimal disease at second-look surgical reassessment for ovarian carcinoma. Hoskins WJ, et al. **Gynecol Oncol** 1985 Mar;20(3):271-80

RADIOGRAPHY

Radiological examination of women. Modification of the 10 day rule. Klempfner G. **Aust Fam Physician** 1985 Apr; 14(4):281, 283

Modification of the 'ten-day rule' on radiological examination of women. Klempfner G. **Med J Aust** 1985 Jan 21;142(2):149-50

Abdominopelvic computed tomography: evaluation in patients undergoing second-look laparotomy for ovarian carcinoma. Brenner DE, et al. **Obstet Gynecol** 1985 May; 65(5):715-9

Pelvic arteriography in obstetrics and gynecology: arteriovenous fistulas and embolization. Schneider GT. **South Med J** 1984 Dec;77(12):1494-7

[Evaluation of pelvic irradiation during x-ray computed tomography] Magnin G, et al. **Rev Fr Gynecol Obstet** 1984 Jan;79(1):1-2, 5 (Eng. Abstr.) **(Fre)**

[Quality criteria in computed tomography of the pelvis] Lindner P. **Fortschr Geb Rontgenstr Nuklearmed Erganzungsband** 1985; 123:116-20 **(Ger)**

[Obstetric roentgen diagnosis and special roentgen diagnosis of the female pelvis] Bauer M, et al. **Rontgenpraxis** 1985 Jun;38(6):209-13 **(Ger)**

[Increases of the perirectal and perivesical fat tissue in chronic urethral obstructive diseases; evaluations by CT scan] Kushihashi T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Mar 25; 45(3):480-5 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Hematogenous pelvic osteomyelitis in children. Clinical correlates of newer scanning methods. Farley T, et al. **Am J Dis Child** 1985 Sep;139(9):946-9

Abdominal and pelvic imaging as part of liver-spleen scintigraphy for the detection of mesenteric bleeding in trauma. A case report. Nagle CE, et al. **Clin Nucl Med** 1984 Dec;9(12):684-6

Infrabladder 'cup defect' following prostatectomy: recognition on bone scintigram. Slavin JD Jr, et al. **J Nucl Med** 1985 Feb;26(2):149-50

SURGERY

[Parasacral approach to the urologic organs and the pelvis] Huber A. **Helv Chir Acta** 1984 Oct;51(3-4):467-72 **(Ger)**

[Value of pelvic lymphadenectomy in the treatment of bladder carcinoma] Fiorentini L, et al **Minerva Urol Nefrol** 1984 Jul-Sep;36(3):219-22 (Eng. Abstr.) **(Ita)**

[Prevention and treatment of adhesive processes of the lesser pelvis organs during the surgical rehabilitation of women with sterility] Ivaniuta LI, et al. **Akush Ginekol (Mosk)** 1985 Mar;(3):30-1 (Eng. Abstr.) **(Rus)**

[Dynamics of the bioelectrical activity of the brain during application of electroacupuncture] Poluianova LA, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):19-22 (Eng. Abstr.) **(Rus)**

PEMOLINE

ADVERSE EFFECTS

Depression following pemoline withdrawal in a hyperactive child [letter] Brown RT, et al. **Clin Pediatr (Phila)** 1985 Mar;24(3):174

Pemoline abuse. Polchert SE, et al. **JAMA** 1985 Aug 16; 254(7):946-7

METABOLISM

Pemoline pharmacokinetics and long term therapy in children with attention deficit disorder and hyperactivity. Collier CP, et al. **Clin Pharmacokinet** 1985 May-Jun;10(3):269-78

Oral pemoline kinetics in hyperactive children. Sallee F, et al. **Clin Pharmacol Ther** 1985 Jun;37(6):606-9

THERAPEUTIC USE

Treatment of chronic cocaine abuse and attention deficit disorder, residual type, with magnesium pemoline. Weiss RD, et al. **Drug Alcohol Depend** 1985 May;15(1-2):69-72

Atypical stimulant responder. Varley CK. **J Dev Behav Pediatr** 1984 Dec;5(6):353-6

Gilles de la Tourette's syndrome: effects of stimulant drugs. Erenberg G, et al. **Neurology** 1985 Sep;35(9):1346-8

Pharmacological treatment of attention deficit disorder, residual type (ADD,RT, 'minimal brain dysfunction,' 'hyperactivity') in adults. Wender PH, et al. **Psychopharmacol Bull** 1985;21(2):222-31

PEMPHIGOID, BENIGN MUCOUS MEMBRANE see under **SKIN DISEASES, BULLOUS**

PEMPHIGOID, BULLOUS see under **SKIN DISEASES, BULLOUS**

PEMPHIGUS

Pemphigus erythematosus. Senear-Usher syndrome. Amerian ML, et al. **Int J Dermatol** 1985 Jan-Feb;24(1):16-25 (64 ref.)

Is there a South American pemphigus? Jaimovich L, et al. **Int J Dermatol** 1985 Jun;24(5):298-9

Pemphigus vulgaris in childhood: clinical features, treatment, and prognosis. Sillevis Smitt JH. **Pediatr Dermatol** 1985 Mar;2(3):185-90

CHEMICALLY INDUCED

Penicillamine-induced pemphigus foliaceus-like dermatosis. A case with unusual features, successfully treated by plasmapheresis. Bahmer FA, et al. **Arch Dermatol** 1985 May;121(5):665-8

Pemphigus foliaceus induced by rifampicin. Lee CW, et al. **Br J Dermatol** 1984 Nov;111(5):619-22

Combined features of pemphigus and pemphigoid induced by penicillamine. Velthuis PJ, et al. **Br J Dermatol** 1985 May;112(5):615-9

Pemphigus erythematosus, primary biliary cirrhosis, and D-penicillamine: report of a case [letter] Gibson LE, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 1):883-5

[Superficial pemphigus during the treatment of rheumatoid polyarthritis with D-penicillamine and piroxicam (Feldene)] Piette-Brion B, et al. **Dermatologica** 1985; 170(6):297-301 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Pemphigus vulgaris and microinvasive squamous-cell carcinoma of the uterine cervix. Dvoretsky PM, et al. **Acta Cytol (Baltimore)** 1985 May-Jun;29(3):403-10

Systemic lupus erythematosus with pemphigus vulgaris [letter] Fong PH, et al. **Arch Dermatol** 1985 Jan;121(1):26-7

Coexistence of pemphigus foliaceus and mycosis fungoides. Sarnoff DS, et al. **Arch Dermatol** 1985 May;121(5):669-72

Concurrent development of pemphigus foliaceus and psoriasis. Lee CW, et al. **Int J Dermatol** 1985 Jun; 24(5):316-7

Alopecia areata and pemphigus foliaceus [letter] Rosin MA. **J Am Acad Dermatol** 1985 May;12(5 Pt 1):895-6

Myasthenia gravis and pemphigus vulgaris. Shabbir SG, et al. **JPMA** 1984 Nov;34(11):349-51

[An intrathoracic tumor and skin disorders (benign thymoma and pemphigus) (letter)] van den Hoogenband HM. **Ned Tijdschr Geneeskd** 1984 Aug 11;128(32):1542 **(Dut)**

DIAGNOSIS

Pitfalls in the diagnosis of pemphigus vulgaris (early pemphigus vulgaris with features of bullous pemphigoid). Smolle J, et al. **Am J Dermatopathol** 1984 Oct;6(5):429-35

Macroglossia. An unusual presentation of pemphigus vulgaris. Milgraum SS, et al. **Arch Dermatol** 1985 Oct; 121(10):1328–9

Pemphigus vulgaris masquerading as dyshidrotic eczema. Milgraum SS, et al. **Cutis** 1985 May;35(5):445–6

Multiple, painful vesiculoulcerative lesions in the oral mucosa. Correll RW, et al. **J Am Dent Assoc** 1985 May; 110(5):765–6

Reliability of cytodiagnosis in oral pemphigus vulgaris. A study of 30 cases. Ruocco V, et al. **J Dermatol (Tokyo)** 1984 Dec;11(6):535–40

[Use of direct immunofluorescence testing on cellular smears in the diagnosis of oral pemphigus vulgaris] Sha YQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Jun;19(2):76–7 **(Chi)**

[Pemphigus herpetiformis] Weidner FO, et al. **Z Hautkr** 1984 Dec 15;59(24):1663–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Pemphigus vulgaris: results of treatment with gold as a steroid-sparing agent in a series of thirteen patients. Poulin Y, et al. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 1):851–7

Effects of cyclosporin on bullous pemphigoid and pemphigus [letter] Thivolet J, et al. **Lancet** 1985 Feb 9;1(8424):334–5

[Treatment of pemphigus with western and traditional Chinese medicine combined—a clinical analysis of 30 cases] Zhang ZL, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Mar;5(3):155–7, 131 (Eng. Abstr.) **(Chi)**

[PUVA therapy in chronic benign familial Hailey-Hailey pemphigus] Hums R. **Dermatol Monatsschr** 1984; 170(11):715–8 **(Ger)**

[Therapy of pemphigus. Critical remarks based on 44 clinical cases] Smolle J. **Hautarzt** 1985 Feb;36(2):96–102 (Eng. Abstr.) **(Ger)**

[Therapeutic experience in pemphigus and pemphigoid] Aloi FG, et al. **G Ital Dermatol Venereol** 1984 Sep–Oct; 119(5):357–64 (Eng. Abstr.) **(Ita)**

[Therapeutic activity of calcitriol (1,25-dihydroxycholecalciferol) in Hailey-Hailey disease (letter)] Carlesimo O. **G Ital Dermatol Venereol** 1985 May–Jun;120(3):234 **(Ita)**

[Treatment of pemphigus with steroids, with special reference to withdrawal of steroids] Sarashi C, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Sep;94(10):1129–33 **(Jpn)**

[Case of pemphigus of the oral mucosa with complete remission after treatment with corticosteroids and immunosuppressive agents] Sienkiewicz H, et al. **Otolaryngol Pol** 1984;38(2):177–9 (Eng. Abstr.) **(Pol)**

[Heparin in the treatment of severe dermatoses] Verbenko EV, et al. **Vestn Dermatol Venerol** 1985 Feb;(2):28–30 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Photo-induction of lesions in a patient with pemphigus erythematosus. Deschamps P, et al. **Photodermatol** 1984 Feb;1(1):38–41

[Photoinduced chronic familial benign pemphigus] Goitre M, et al. **G Ital Dermatol Venereol** 1984 Nov–Dec;119(6):411–3 (Eng. Abstr.) **(Ita)**

[A case of pemphigus foliaceus after thymectomy] Leites VG. **Vestn Dermatol Venerol** 1984 Aug;(8):54–5 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial pemphigus vulgaris. Brenner S, et al. **Dermatologica** 1985;171(1):38–40

Pemphigus vulgaris in only one of two monozygotic twins [letter] Ruocco V, et al. **J Am Acad Dermatol** 1985 Mar; 12(3):587–9

[Benign familial chronic pemphigus] Yuzuk S, et al. **Harefuah** 1984 Aug;107(3–4):70–1 (Eng. Abstr.) **(Heb)**

IMMUNOLOGY

High doses of antigen-nonspecific IgG do not inhibit pemphigus acantholysis in skin organ cultures. Hunziker T, et al. **Arch Dermatol Res** 1985;277(4):299–303

Oral epithelial cells as the origin of pemphigus antigen in human saliva. Acosta E, et al. **Arch Oral Biol** 1985; 30(1):23–9

Identification of pemphigus-like antigens expressed by SCaBER cells. Acosta E, et al. **Br J Dermatol** 1985 Feb; 112(2):157–64

Autoimmune injury of squamous epithelium by pemphigus autoantibodies. Avalos E, et al. **Br J Dermatol** 1984 Sep; 111(3):359–65 (39 ref.)

The immunofluorescence findings in Indian pemphigus [letter] Wojnarowska F, et al. **Br J Dermatol** 1985 Apr; 112(4):503–4

Autoantibodies to epithelial cells (intercellular substance) and their correlation with clinical activity of pemphigus vulgaris. Golan D, et al. **Dermatologica** 1984;169(6):339–41

Autoantibodies in pemphigus foliaceus. Fine RM. **Int J Dermatol** 1985 May;24(4):224–5

Pemphigus vulgaris and malignancy. Armin A, et al. **Int J Oral Surg** 1985 Aug;14(4):376–80

Clinical correlations of antibodies in pemphigus studied by radioimmunoassay. Ahmed AR, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):45–51

Acantholysis produced in vitro with pemphigus serum: hydrocortisone inhibits acantholysis, while dapsone and 6-mercaptopurine do not inhibit acantholysis. Jeffes EW 3d, et al. **J Clin Immunol** 1984 Sep;4(5):359–63

Human autoantibodies against a desmosomal core protein in pemphigus foliaceus. Koulu L, et al. **J Exp Med** 1984 Nov 1;160(5):1509–18

Immunopathologic mechanisms in pemphigus and bullous pemphigoid. Jordon RE, et al. **J Invest Dermatol** 1985 Jul; 85(1 Suppl):72s–78s (83 ref.)

Complement fixation by pemphigus antibody. I. In vitro fixation to organ and tissue culture skin. Kawana S, et al. **J Invest Dermatol** 1984 May;82(5):506–10

Identification of bullous pemphigoid, pemphigus, laminin, and anchoring fibril antigens in human fetal skin. Lane AT, et al. **J Invest Dermatol** 1985 Jan;84(1):27–30

Demonstration of pemphigus antibodies on the cell surface of murine epidermal cell monolayers and their internalization. Patel HP, et al. **J Invest Dermatol** 1984 Dec; 83(6):409–15

[Pemphigus induced by monoclonal IgM with anti-IgG antibody activity in a case of Waldenström's macroglobulinemia] Bernengo MG, et al. **G Ital Dermatol Venereol** 1985 Jan–Feb;120(1):55–60 (Eng. Abstr.) **(Ita)**

[Induction of pemphigus lesions in neonatal mice by passive transfer of pemphigus antibodies] Mitsuhashi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Feb;95(2):109–16 **(Jpn)**

OCCURRENCE

[Pemphigus in Israel] Zaidenbaum M, et al. **Harefuah** 1985 Jan 15;108(2):59–61 (Eng. Abstr.) **(Heb)**

PATHOLOGY

Pemphigus vulgaris with subclinical involvement of the uterine cervix. Report of a case with persistence of abnormal Papanicolaou smears posthysterectomy. Valente PT, et al. **Acta Cytol (Baltimore)** 1984 Nov–Dec;28(6):681–3

Pemphigus vulgaris of esophageal mucosa. Kaneko F, et al. **Arch Dermatol** 1985 Feb;121(2):272–3

Pemphigus vegetans limited to the lips and oral mucosa. Woo TY, et al. **Arch Dermatol** 1985 Feb;121(2):271–2

Relapsing linear acantholytic dermatosis. Vakilzadeh F, et al. **Br J Dermatol** 1985 Mar;112(3):349–55

Pemphigus vulgaris localized to the nose. Taylor J, et al. **Cutis** 1984 Oct;34(4):394–5

Familial benign chronic pemphigus appearing as leukoplakia of the vulva. Evron S, et al. **Int J Dermatol** 1984 Oct; 23(8):556–7

Pemphigus foliaceus presenting as multiple giant seborrheic keratoses [letter] Kahana M, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 1):299–300

The nature and pathogenesis of dyskeratosis in Hailey-Hailey's disease and Darier's disease. Ishibashi Y, et al. **J Dermatol (Tokyo)** 1984 Aug;11(4):335–53

Localized pemphigus vulgaris. Yagi A, et al. **J Dermatol (Tokyo)** 1985 Apr;12(2):198–200

Experimentally induced pemphigus vulgaris in neonatal BALB/c mice: a time-course study of clinical, immunologic, ultrastructural, and cytochemical changes. Takahashi Y, et al. **J Invest Dermatol** 1985 Jan;84(1):41–6

[Brazilian pemphigus in a child in French Guyana. Discussion on the clinical polymorphism and epidemiology of the disease] Guillet G, et al. **Ann Dermatol Venereol** 1984; 111(12):1087–92 (Eng. Abstr.) **(Fre)**

[Pemphigus herpetiformis] Katz M, et al. **Hautarzt** 1984 Sep; 35(9):478–80 (Eng. Abstr.) **(Ger)**

[Pemphigus vegetans (Hallopeau) with eosinophilic spongiosis—successful retinoid therapy] Steiner A, et al. **Hautarzt** 1985 Jun;36(6):356–9 (Eng. Abstr.) **(Ger)**

[Hallopeau's pemphigus vegetans. Description of a clinical case] Sala F, et al. **G Ital Dermatol Venereol** 1985 Mar–Apr; 120(2):141–4 (Eng. Abstr.) **(Ita)**

SURGERY

[Surgical treatment of Hailey-Hailey disease with surgical grafts] Guérin-Surville H, et al. **Ann Dermatol Venereol** 1984;111(8):699–700 **(Fre)**

THERAPY

The perioperative management of the patient with pemphigus vulgaris and villous adenoma. Lavie CJ, et al. **Cutis** 1984 Aug;34(2):180–2

[Continuous plasma filtration. Experiences in the treatment of pemphigus vulgaris] Vennemann F, et al. **Z Hautkr** 1984 Aug 15;59(16):1075–9 (Eng. Abstr.) **(Ger)**

[Laser therapy in the combination treatment of patients with true pemphigus] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1985 Mar;(3):4–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Pitfalls in immunofluorescence testing in dermatology. III. Pemphigus-like antibodies in the horse and direct immunofluorescence testing in equine dermatophilosis. Scott DW, et al. **Cornell Vet** 1984 Oct;74(4):305–11

Pemphigus foliaceus of the footpads in three dogs. Ihrke PJ, et al. **J Am Vet Med Assoc** 1985 Jan 1;186(1):67–9

Pemphigus foliaceus in dogs: a review of 37 cases. Ihrke PJ, et al. **J Am Vet Med Assoc** 1985 Jan 1;186(1):59–66

PENBUTOLOL see under **PROPANOLAMINES**

PENFLURIDOL see under **PIPERIDINES**

PENICILLAMINE

ADMINISTRATION & DOSAGE

Green hair: treatment with a penicillamine shampoo [letter] Person JR. **Arch Dermatol** 1985 Jun;121(6):717–8

Combined disease-modifying chemotherapy for intractable rheumatoid arthritis. Bitter T. **Clin Rheum Dis** 1984 Aug; 10(2):417–28 (35 ref.)

Effects of penicillamine on serum immunoglobulins and immune complex-reactive material in primary biliary cirrhosis. Bodenheimer HC Jr, et al. **Gastroenterology** 1985 Feb;88(2):412–7

Clinical response in relation to dose of penicillamine in the treatment of rheumatoid arthritis. Lyle WH. **Int J Clin Pharmacol Res** 1984;4(6):403–8

Development and evaluation of enteric-coated penicillamine tablets. Chambliss WG, et al. **J Pharm Sci** 1984 Sep; 73(9):1215–9

Dose, plasma concentration and response relationships of D-penicillamine in patients with rheumatoid arthritis. Brooks PM, et al. **J Rheumatol** 1984 Dec;11(6):772–5

ADVERSE EFFECTS

Insulin antibodies in patients receiving penicillamine. Benson EA, et al. **Am J Med** 1985 May;78(5):857–60

Penicillamine-induced myositis. Observations and unique features in two patients and review of the literature. Halla JT, et al. **Am J Med** 1984 Oct;77(4):719–22

Rapidly progressive glomerulonephritis in a patient with rheumatoid arthritis during treatment with high-dosage D-penicillamine. Sadjadi SA, et al. **Am J Nephrol** 1985; 5(3):212–6

Penicillamine-induced ocular myasthenia gravis. O'Keefe M, et al. **Am J Ophthalmol** 1985 Jan 15;99(1):66–7

Penicillamine, captopril, and hypoglycemia [letter] Elling P, et al. **Ann Intern Med** 1985 Oct;103(4):644–5

HLA antigens and toxic reactions to sodium aurothiopropanol sulphonate and D-penicillamine in patients with rheumatoid arthritis. Perrier P, et al. **Ann Rheum Dis** 1985 Sep;44(9):621–4

Penicillamine-induced pemphigus foliaceus-like dermatosis. A case with unusual features, successfully treated by plasmapheresis. Bahmer FA, et al. **Arch Dermatol** 1985 May;121(5):665–8

Beneficial effect of intravenous cyclophosphamide and oral prednisone on D-penicillamine-associated bronchiolitis obliterans. van de Laar MA, et al. **Arthritis Rheum** 1985 Jan;28(1):93–7

Combined features of pemphigus and pemphigoid induced by penicillamine. Velthuis PJ, et al. **Br J Dermatol** 1985 May;112(5):615–9

Mammary gigantism and D-penicillamine. Finer N, et al. **Clin Endocrinol (Oxf)** 1984 Sep;21(3):219–22

HLA antigens and adverse drug reactions to sodium aurothiomalate and D-penicillamine in patients with rheumatoid arthritis. Dahlqvist SR, et al. **Clin Rheumatol** 1985 Mar;4(1):55–61

A case of cholestatic hepatitis associated with D-penicillamine therapy for rheumatoid arthritis. Devogelaer JP, et al. **Int J Clin Pharmacol Res** 1985; 5(1):35–8

Neuromuscular disorders associated with D-penicillamine treatment for rheumatoid arthritis. Devogelaer JP, et al. **Int J Clin Pharmacol Res** 1985;5(3):143–7

Pemphigus erythematosus, primary biliary cirrhosis, and D-penicillamine: report of a case [letter] Gibson LE, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 1):883–5

Myasthenic pseudo-internuclear ophthalmoplegia due to penicillamine [letter] George J, et al. **J Neurol Neurosurg Psychiatry** 1984 Sep;47(9):1044

Pseudoxanthoma elasticum-like skin changes induced by penicillamine. Meyrick Thomas RH, et al. **J R Soc Med** 1984 Sep;77(9):794–8

D-penicillamine does not chelate gold [letter] Aaron S, et al. **J Rheumatol** 1984 Dec;11(6):869–70

Immunopathology of penicillamine-induced glomerular disease. Dische FE, et al. **J Rheumatol** 1984 Oct;11(5):584–5

Eosinophilia in rheumatoid patients treated with D-penicillamine. Edelman J, et al. **J Rheumatol** 1984 Oct; 11(5):624–5

D-Penicillamine induced toxicity in rheumatoid arthritis: the role of sulphoxidation status and HLA-DR3. Emery P, et al. **J Rheumatol** 1984 Oct;11(5):626–32

HLA antigens and toxicity to gold and penicillamine in rheumatoid arthritis. Scherak O, et al. **J Rheumatol** 1984 Oct;11(5):610–4

Dose-related nephrotic syndrome in penicillamine-treated rheumatoid arthritis. Spiera H. **Mt Sinai J Med (NY)** 1984 Dec;51(6):695–6

Unusual digestive lesions in a patient with Wilson's disease treated with long-term penicillamine [letter] Wassef M, et al. **N Engl J Med** 1985 Jul 4;313(1):49

Renal failure in sisters with cystinuria and the management of amino acids in chronic hemodialysis. Hosokawa S, et al. **Nippon Jinzo Gakkai Shi** 1985 Mar;27(3):319–25

Changes in zinc and zinc-dependent enzymes in rheumatoid patients during penicillamine treatment. Jepsen LV, et al.

Scand J Rheumatol 1984;13(3):282–8

Penicillamine–induced polymyositis. Leden I, et al. **Scand J Rheumatol** 1985;14(1):90–3

The relationship between aurothioglucose– and D–penicillamine–induced proteinuria. Speerstra F, et al. **Scand J Rheumatol** 1984;13(4):363–8

HLA associations in aurothioglucose– and D–penicillamine–induced haematotoxic reactions in rheumatoid arthritis. Speerstra F, et al. **Tissue Antigens** 1985 Jul;26(1):35–40

[Lupus biology: incidence and development in 84 rheumatoid polyarthritis patients treated with D–penicillamine] Clerc D, et al. **Ann Med Interne (Paris)** 1984;135(6):420–6 (Eng. Abstr.) **(Fre)**

[Skin manifestations observed during treatment with penicillamine and its derivatives] Venencie PY, et al. **Ann Med Interne (Paris)** 1984;135(8):642–5 (Eng. Abstr.) **(Fre)**

[Superficial pemphigus during the treatment of rheumatoid polyarthritis with D–penicillamine and piroxicam (Feldene)] Piette–Brion B, et al. **Dermatologica** 1985; 170(6):297–301 (Eng. Abstr.) **(Fre)**

[Transient gynecomastia during treatment with D–penicillamine (letter)] Salliere D, et al. **Presse Med** 1984 Oct 20;13(37):2265 **(Fre)**

[Myasthenia during treatment of rheumatoid polyarthritis with D–penicillamine] Carter H, et al. **Therapie** 1984 Nov–Dec;39(6):689–95 (Eng. Abstr.) **(Fre)**

[Polymyositis induced by D–penicillamine] Renier JC, et al. **Therapie** 1984 Nov–Dec;39(6):697–703 (Eng. Abstr.) **(Fre)**

[HLA antigens and side effects of gold and D–penicillamine in chronic polyarthritis] Scherak O, et al. **Wien Klin Wochenschr [Suppl]** 1984;156:51–2 **(Ger)**

[Drug–induced glomerular diseases] Sato M, et al. **Nippon Rinsho** 1984 Jun;42(6):1446–51 **(Jpn)**

[Adverse effects of D–penicillamine in rheumatoid arthritis with reference to prior gold therapy] Ishihara Y, et al. **Ryumachi** 1985 Feb;25(1):15–9 (Eng. Abstr.) **(Jpn)**

[Glomerulonephritis after long–term treatment of primary pulmonary fibrosis with cuprenil (Polfa)] Adamiec R, et al. **Wiad Lek** 1984 Sep 15;37(18):1436–40 (Eng. Abstr.) **(Pol)**

[Myasthenia gravis induced by D–penicillamine in a patient with progressive systemic sclerosis] Marchiori PE, et al. **Arq Neuropsiquiatr** 1984 Dec;42(4):380–3 (Eng. Abstr.) **(Por)**

[D–penicillamine therapy in rheumatoid arthritis: adverse reactions with 2 different administration regimens] Fernández Dapica P, et al. **Med Clin (Barc)** 1984 Jun 30; 83(5):184–7 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

N–acetylpenicillamine potentiated excretion of methyl mercury in rat bile: influence of S–methylcysteine. Refsvik T. **Acta Pharmacol Toxicol (Copenh)** 1984 Aug;55(2):121–5

Influence of penicillamine and various analogs on matrix–induced bone formation in rats. Weiss RE, et al. **Biochem Med** 1984 Dec;32(3):331–6

[Skin manifestations observed during treatment with penicillamine and its derivatives] Venencie PY, et al. **Ann Med Interne (Paris)** 1984;135(8):642–5 (Eng. Abstr.) **(Fre)**

ANALYSIS

Determination of penicillamine in encapsulated formulations by high–performance liquid chromatography. Biffar S, et al. **J Chromatogr** 1985 Jan 18;318(2):404–7

Analysis of D–penicillamine by gas chromatography utilizing nitrogen––phosphorus detection. Rushing LG, et al. **J Chromatogr** 1985 Jan 11;337(1):37–46

BLOOD

Free thiomalate levels in rheumatoid arthritis [letter] Jefferies TM, et al. **Ann Rheum Dis** 1985 Mar;44(3):213–4

CHEMICAL SYNTHESIS

[A new synthesis for 14C–labeled penicillamine] Saus A, et al. **Arzneimittelforschung** 1985;35(4):663–6 **(Ger)**

DIAGNOSTIC USE

An inulin–like clearance based on the atomic absorbance of a copper cluster compound. Bergevin GH, et al. **Physiol Chem Phys Med NMR** 1984;16(4):307–16

IMMUNOLOGY

[The detection of antibodies against D–penicillamine. 1. Coupling of D–penicillamine to various carriers and generation of antibodies against D–penicillamine conjugate] Nuhn P, et al. **Pharmazie** 1984 Oct;39(10):702–3 (Eng. Abstr.) **(Ger)**

[Detection of antibodies against D–penicillamine. 2. Experimental animal proof of production of antibodies against D–penicillamine using indirect immunofluorescence with a DASS system] Storch W, et al. **Pharmazie** 1984 Nov;39(11):752–3 (Eng. Abstr.) **(Ger)**

METABOLISM

Difference circular dichroism studies of copper and nickel binding to D–penicillamine in the presence of human serum albumin. Mohanakrishnan P, et al. **Biochem Pharmacol** 1985 Mar 1;34(5):675–7

Reversible metabolism of D–penicillamine in the rat. Bourke CE, et al. **Drug Metab Dispos** 1984 Nov–Dec;12(6):798–9

Studies on the metabolism of D–penicillamine and its interaction with probenecid in cystinuria and rheumatoid arthritis. Yu TF, et al. **J Rheumatol** 1984 Aug;11(4):467–70

Distribution of [3H]–D–penicillamine in mouse kidney. An autoradiographic study. de Angelis E, et al. **Rheumatol Int** 1984;4(4):183–6

PHARMACODYNAMICS

In vitro production and scavenging of hydrogen peroxide by D–penicillamine. Relationship to copper availability. Staite ND, et al. **Arthritis Rheum** 1985 Aug;28(8):914–21

Immunoglobulin degradation and D–penicillamine action. Rafter GW. **Biochem Biophys Res Commun** 1985 Jan 31; 126(2):867–72

Influence of penicillamine and various analogs on matrix–induced bone formation in rats. Weiss RE, et al. **Biochem Med** 1984 Dec;32(3):331–6

The activity of natural killer cells in patients with rheumatoid arthritis: I. The effect of drugs used in vivo. Russell AS, et al. **Clin Exp Rheumatol** 1984 Jul–Sep;2(3):227–9

D–penicillamine effects on inflammatory and normal connective tissues in rats. Studies on collagen, glycosaminoglycans and nucleic acids with particular reference to antirheumatoid therapy. Junker P. **Dan Med Bull** 1985 May;32(2):87–103 (212 ref.)

The effect of penicillamine and related thiols on cyclophosphamide––induced cystitis and bone marrow suppression. Christophidis N, et al. **Int J Tissue React** 1984; 6(6):493–8

D–Penicillamine: analysis of the mechanism of copper–catalyzed hydrogen peroxide generation. Starkebaum G, et al. **J Immunol** 1985 May;134(5):3371–8

The effects of the antirheumatic agents N–(2–carboxyphenyl)–4–chloroanthranilic acid disodium (CCA) and D–penicillamine on the NK and ADCC activities and interferon production of lymphocytes. Ohara M, et al. **J Immunopharmacol** 1984;6(3):163–72

Models for assessing scar tissue inhibitors. van Bockxmeer FM, et al. **Retina** 1985 Winter–Spring;5(1):47–60

Effect of D–penicillamine on human granulopoiesis in vitro. Aymard JP, et al. **Scand J Haematol** 1985 Mar;34(3):219–22

Effect of D–penicillamine pre– and post–implantation treatment on formation of sponge–induced granulation tissue in rats. Junker P, et al. **Scand J Rheumatol** 1984; 13(3):222–8

[Interaction between radiopharmaceutical and therapeutic agents. The modification of the distribution of 99mTc–methylene diphosphonate by D–penicillamine] Van de Flierdt E, et al. **Nuklearmedizin** 1985 Apr;24(2):82–6 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Zinc and zinc–dependent enzymes in penicillamine–treated patients with generalized scleroderma. Jepsen LV, et al. **Acta Derm Venereol (Stockh)** 1984;64(5):424–7

Treatment of hemophilic arthritis with D–penicillamine: a preliminary report. Corrigan JJ Jr, et al. **Am J Hematol** 1985 Jul;19(3):255–64

Use of D–penicillamine in osteoarthrosis [letter] Hill J, et al. **Ann Rheum Dis** 1985 Apr;44(4):284–5

Remission of arthritis and radiological improvement after combination therapy for non–Hodgkin's lymphoma in a patient with rheumatoid arthritis undergoing treatment with D–penicillamine. Sheldon P, et al. **Ann Rheum Dis** 1985 Aug;44(8):556–8

Wilson's disease: assessment of D–penicillamine treatment. Van Caillie–Bertrand M, et al. **Arch Dis Child** 1985 Jul; 60(7):652–5

Ankylosing spondylitis and rheumatoid arthritis in a patient with Paget's disease. Differential effects of indomethacin, D–penicillamine, or gold sodium thiomalate in the respective arthritides. Alarcón–Segovia D, et al. **Arch Intern Med** 1985 Oct;145(10):1915–7

D–penicillamine in patients with rheumatoid arthritis. Serum levels, pharmacokinetic aspects, and correlation with clinical course and side effects. Muijsers AO, et al. **Arthritis Rheum** 1984 Dec;27(12):1362–9

Evaluation of D–penicillamine in juvenile chronic arthritis. A double–blind, multicenter study. Prieur AM, et al. **Arthritis Rheum** 1985 Apr;28(4):376–82

The effect of D–penicillamine on pulmonary findings in systemic sclerosis. Steen VD, et al. **Arthritis Rheum** 1985 Aug;28(8):882–8

The development of screening tests for D–penicillamine–like antirheumatic activity based on in vivo interactions with copper. Cashin CH, et al. **Br J Rheumatol** 1985 May; 24(2):137–46

Serum amyloid A protein during the treatment of rheumatoid arthritis with second–line drugs. Grindulis KA, et al. **Br J Rheumatol** 1985 May;24(2):158–63

Practical results of treatment with disease–modifying antirheumatoid drugs. Thompson PW, et al. **Br J Rheumatol** 1985 May;24(2):167–75

Case report. Successful treatment of chronic cutaneous graft–versus–host–disease (GVHD) with penicillamine [letter] Tampi R, et al. **Clin Lab Haematol** 1984;6(4):393–4

A comparison of therapies which may influence trace metals in rheumatoid arthritis. Dixon JS, et al. **Clin Rheumatol** 1984 Dec;3(4):451–7

The long term effects of sulphasalazine in the treatment of rheumatoid arthritis and a comparative study with penicillamine. Farr M, et al. **Clin Rheumatol** 1984 Dec; 3(4):473–81

Double–blind trial of levamisole, penicillamine and azathioprine in rheumatoid arthritis. Clinical, biochemical, radiological and scintigraphic studies. Halberg P, et al. **Dan Med Bull** 1984 Oct;31(5):403–9

Effective D–penicillamine treatment of an early diagnosed patient with Wilson's disease [letter] van Wouwe JP, et al. **Eur J Pediatr** 1984 Nov;143(1):77

D–penicillamine for primary biliary cirrhosis. James OF. **Gut** 1985 Feb;26(2):109–13

Double blind controlled trial of d–penicillamine in patients with primary biliary cirrhosis. Neuberger J, et al. **Gut** 1985 Feb;26(2):114–9

D–penicillamine in the treatment of Indian childhood cirrhosis––a preliminary report. Tomar BS, et al. **Indian J Pediatr** 1983 Nov–Dec;50(407):613–8

Gold vs D–penicillamine double blind study and followup. Thomas MH, et al. **J Rheumatol** 1984 Dec;11(6):764–7

Trial of penicillamine in advanced primary biliary cirrhosis. Dickson ER, et al. **N Engl J Med** 1985 Apr 18; 312(16):1011–5

Evaluation of the ability of d–penicillamine to protect rats against the neurotoxicity induced by zinc pyridinethione, acrylamide, 2,5–hexanedione and p–bromophenylacetylurea. LoPachin RM, et al. **Neurotoxicology (Park Forest Il)** 1984 Summer;5(2):37–41

Monocrotaline–induced pulmonary fibrosis in rats: amelioration by captopril and penicillamine. Molteni A, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):112–20

The influence of D–penicillamine therapy on numbers of circulating immunoglobulin secreting cells in rheumatoid arthritis. Gul V, et al. **Rheumatol Int** 1984;4(4):157–8

The use of slow–acting drugs in rheumatoid arthritis [letter] Jaffe IA. **Scand J Rheumatol** 1984;13(4):377–8

Principia of cancer therapy VIII. Role of D–penicillamine in the prevention of radiation pneumonitis and fibrosis: an experimental demonstration. Okuyama S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1984 Oct;31(1–4):30–1

[Penicillamine treatment of rheumatoid arthritis. A clinical and radiological report from a period of 2 years] Elling H, et al. **Ugeskr Laeger** 1984 Jun 25;146(26):1924–7 (Eng. Abstr.) **(Dan)**

[Juvenile chronic arthritis. Double–blind study of the efficacy and tolerance of D–penicillamine] Prieur AM, et al. **Arch Fr Pediatr** 1985 Feb;42(2):91–6 (Eng. Abstr.) **(Fre)**

[Medical treatment of cystine lithiasis in children] Laurent C, et al. **J Urol (Paris)** 1984;90(2):117–21 (Eng. Abstr.) **(Fre)**

[Results of long–term treatment of cystine lithiasis with D–penicillamine] Bec P, et al. **Nephrologie** 1984;5(5):228–31 (Eng. Abstr.) **(Fre)**

[Prevention of retinopathy of premature infants with D–penicillamine] Lakatos L, et al. **Orv Hetil** 1985 Jun 9; 126(23):1391–6 (Eng. Abstr.) **(Hun)**

[Clinical use of cuprenil in chronic chromium poisoning] Iakovlev NA. **Gig Tr Prof Zabol** 1984 Oct;(10):28–31 (Eng. Abstr.) **(Rus)**

[Role of D–penicillamine in the complex treatment of juvenile rheumatoid arthritis] Kuz'mina NN, et al. **Revmatologiia (Moskva)** 1984 Jul–Sep;(3):19–24 (Eng. Abstr.) **(Rus)**

[Levels of lead in children with hyperactivity and attention deficits. Response to the administration of D–penicillamine] Montoya–Cabrera MA, et al. **Bol Med Hosp Infant Mex** 1985 Feb;42(2):88–91 (Eng. Abstr.) **(Spa)**

TOXICITY

Influence of a prolonged treatment with disulfiram and D(–)penicillamine on nitrosodiethylamine–induced biological and biochemical effects in rats. I. Investigations on the drug metabolizing system. Bertram B, et al. **J Cancer Res Clin Oncol** 1985;109(1):9–15

Influence of a prolonged treatment with disulfiram and D–penicillamine on nitrosodiethylamine–induced biological and biochemical effects. II. Investigations on trace elements in the liver. Schuhmacher J, et al. **J Cancer Res Clin Oncol** 1985;109(1):16–22

D–penicillamine–induced cleft palate in mice. Myint B. **Teratology** 1984 Dec;30(3):333–40

PENICILLANIC ACIDS

ADMINISTRATION & DOSAGE

Effects of ampicillin plus sulbactam on bowel flora in patients undergoing colorectal surgery. Kager L, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):208–12

Sultamicillin (CP–49, 952): evaluation of two dosage schedules in urinary infection. Ball AP, et al. **J Antimicrob Chemother** 1984 Oct;14(4):395–401

Single dose sulbactam/ampicillin for uncomplicated urinary tract infections [letter] Bailey RR, et al. **NZ Med J** 1985 Jan 23;98(771):21

[Clinical studies on sulbactam/cefoperazone in pediatric field] Aoyama R, et al. **Jpn J Antibiot** 1984 Oct;37(10):1785–7

(Eng. Abstr.) **(Jpn)**

[Clinical evaluation of sulbactam/cefoperazone for infections in the field of obstetrics and gynecology] Chimura T, et al. **Jpn J Antibiot** 1984 Oct;37(10):1928–33 (Eng. Abstr.) **(Jpn)**

[Clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Doko F. **Jpn J Antibiot** 1984 Nov;37(11):2243–50 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of sulbactam/cefoperazone in obstetric and gynecological infection] Domon H, et al. **Jpn J Antibiot** 1984 Oct;37(10):1925–7 (Eng. Abstr.) **(Jpn)**

[Bacteriological, pharmacokinetic and clinical studies on sulbactam/cefoperazone in the pediatric field] Fujii R, et al. **Jpn J Antibiot** 1984 Dec;37(12):2427–56 (Eng. Abstr.) **(Jpn)**

[Clinical studies of sulbactam/cefoperazone in the field of obstetrics and gynecology] Fukuda O, et al. **Jpn J Antibiot** 1984 Oct;37(10):1977–82 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Hirabayashi K, et al. **Jpn J Antibiot** 1984 Nov;37(11):2223–33 (Eng. Abstr.) **(Jpn)**

[Clinical experience on sulbactam/cefoperazone in the pediatric field] Honjo T, et al. **Jpn J Antibiot** 1984 Oct;37(10):1788–92 (Eng. Abstr.) **(Jpn)**

[Clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Horii T, et al. **Jpn J Antibiot** 1984 Nov;37(11):2208–12 (Eng. Abstr.) **(Jpn)**

[Clinical studies on sulbactam/cefoperazone in the pediatric field] Hoshina H, et al. **Jpn J Antibiot** 1984 Oct;37(10):1812–20 (Eng. Abstr.) **(Jpn)**

[Clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Ikegawa A, et al. **Jpn J Antibiot** 1984 Nov;37(11):2188–92 (Eng. Abstr.) **(Jpn)**

[Clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Ikushima Y, et al. **Jpn J Antibiot** 1984 Nov;37(11):2251–5 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Ito K, et al. **Jpn J Antibiot** 1984 Nov;37(11):2193–202 (Eng. Abstr.) **(Jpn)**

[Studies on sulbactam/cefoperazone in the field of pediatrics] Iwai N, et al. **Jpn J Antibiot** 1984 Oct;37(10):1859–79 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of sulbactam/cefoperazone in the pediatric field] Iwata S, et al. **Jpn J Antibiot** 1984 Oct;37(10):1831–45 (Eng. Abstr.) **(Jpn)**

[Experience with sulbactam/cefoperazone in the field of obstetrics and gynecology] Kohara T, et al. **Jpn J Antibiot** 1984 Oct;37(10):1934–8 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of sulbactam/cefoperazone in obstetrics and gynecology] Kubota K. **Jpn J Antibiot** 1984 Nov;37(11):2234–42 (Eng. Abstr.) **(Jpn)**

[Passage into the human milk and clinical evaluation of sulbactam/cefoperazone] Matsuda S, et al. **Jpn J Antibiot** 1985 Feb;38(2):223–9 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of sulbactam/cefoperazone in the pediatric infections] Meguro H, et al. **Jpn J Antibiot** 1984 Oct;37(10):1821–30 (Eng. Abstr.) **(Jpn)**

[Clinical study on sulbactam/cefoperazone in the field of pediatrics] Minamitani M, et al. **Jpn J Antibiot** 1984 Oct;37(10):1801–11 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of sulbactam/cefoperazone in the pediatric field] Motohiro T, et al. **Jpn J Antibiot** 1984 Oct;37(10):1898–918 (Eng. Abstr.) **(Jpn)**

[Clinical studies of sulbactam/cefoperazone therapy in pediatric bacterial infections] Nakamura A, et al. **Jpn J Antibiot** 1984 Oct;37(10):1793–800 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies of sulbactam/cefoperazone in the field of pediatrics] Nakazawa S, et al. **Jpn J Antibiot** 1984 Nov;37(11):2174–87 (Eng. Abstr.) **(Jpn)**

[Laboratory and clinical studies of sulbactam/cefoperazone in the pediatric field] Nishimura T, et al. **Jpn J Antibiot** 1984 Oct;37(10):1880–92 (Eng. Abstr.) **(Jpn)**

[Clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Obata I, et al. **Jpn J Antibiot** 1984 Dec;37(12):2478–94 (Eng. Abstr.) **(Jpn)**

[Clinical and bacteriological efficiency of sulbactam/cefoperazone in gynecological infectious diseases] Saito Y, et al. **Jpn J Antibiot** 1984 Oct;37(10):1919–24 (Eng. Abstr.) **(Jpn)**

[Clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Takayama T, et al. **Jpn J Antibiot** 1984 Nov;37(11):2203–7 (Eng. Abstr.) **(Jpn)**

[Clinical trial of sulbactam/cefoperazone in the field of obstetrics and gynecology] Tateno M, et al. **Jpn J Antibiot** 1984 Oct;37(10):1964–72 (Eng. Abstr.) **(Jpn)**

[Basic and clinical evaluation of sulbactam/cefoperazone in the field of pediatrics] Toyonaga Y, et al. **Jpn J Antibiot** 1984 Dec;37(12):2457–77 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of sulbactam/cefoperazone in the field of obstetrics and gynecology] Yabuki Y, et al. **Jpn J Antibiot** 1984 Oct;37(10):1973–6 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Yamamoto T, et al. **Jpn J Antibiot** 1984 Nov;37(11):2213–22 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Penamaldate assay: improved methodology for the quantitation of penicilloic acids, penicilloyl amides and penicilloyl esters. Rolli H, et al. **Arzneimittelforsch** 1984; 34(10):1247–9

High-performance liquid chromatographic assay of sulbactam using pre-column reaction with 1,2,4-triazole. Haginaka J, et al. **J Chromatogr** 1985 May 31;341(1):115–22

CEREBROSPINAL FLUID

[Basic and clinical studies of sulbactam/cefoperazone in pediatric field] Haruta T, et al. **Jpn J Antibiot** 1984 Oct; 37(10):1893–7 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis of deuterium- and tritium-labeled 6 beta-bromopenicillanic acid. Claes PJ, et al. **J Antibiot (Tokyo)** 1985 Jan;38(1):75–82

METABOLISM

Penetration of sulbactam-ampicillin and clavulanic acid-amoxicillin into the pelvic peritoneum. Houang ET, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):165–6

The beta-lactamase of Enterobacter cloacae P99. Chemical properties, N-terminal sequence and interaction with 6 beta-halogenopenicillanates. Joris B, et al. **Biochem J** 1985 May 15;228(1):241–8

The parenteral kinetics of ampicillin/sulbactam in man. Foulds G, et al. **Int J Clin Pharmacol Res** 1985;5(2):79–86

Pharmacokinetics and bactericidal activity of sultamicillin in infants and children. Ginsburg CM, et al. **J Antimicrob Chemother** 1985 Mar;15(3):345–51

Simultaneous release of penicilloic acid and phenylacetyl glycine by penicillin-binding proteins 5 and 6 of Escherichia coli. Amanuma H, et al. **J Bacteriol** 1984 Nov; 160(2):822–3

Pharmacokinetics of parenteral sulbactam in patients with appendicitis. Gill MA, et al. **Ther Drug Monit** 1984; 6(4):428–31

[Fundamental and clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Cho N, et al. **Jpn J Antibiot** 1984 Oct;37(10):1939–55 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Nakamura H, et al. **Jpn J Antibiot** 1984 Oct;37(10):1956–63 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of sulbactam/cefoperazone in pediatric field] Nakashima T, et al. **Jpn J Antibiot** 1984 Oct;37(10):1846–58 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Comparative activities of the beta-lactamase inhibitors YTR 830, sodium clavulanate, and sulbactam combined with amoxicillin or ampicillin. Aronoff SC, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):580–2

Correlation of the effect of beta-lactamase inhibitors on the beta-lactamase in growing cultures of gram-negative bacteria with their effect on the isolated beta-lactamase. Easton CJ, et al. **Antimicrob Agents Chemother** 1984 Sep; 26(3):358–63

In vitro susceptibility of Campylobacter jejuni to 27 antimicrobial agents and various combinations of beta-lactams with clavulanic acid or sulbactam. Van der Auwera P, et al. **Antimicrob Agents Chemother** 1985 Jul; 28(1):37–40

In vitro efficacy of sulbactam combined with ampicillin against anaerobic bacteria. Wexler HM, et al. **Antimicrob Agents Chemother** 1985 May;27(5):876–8

Inhibition of class C beta-lactamases by (1'R,6R)-6-(1'-hydroxy)benzylpenicillanic acid SS-dioxide. Knight GC, et al. **Biochem J** 1985 Jan 15; 225(2):435–9

Penicillanic acid sulfone: nature of irreversible inactivation of RTEM beta-lactamase from Escherichia coli. Brenner DG, et al. **Biochemistry** 1984 Nov 20;23(24):5833–9

6-(Methoxymethylene)penicillanic acid: inactivator of RTEM beta-lactamase from Escherichia coli. Brenner DG, et al. **Biochemistry** 1984 Nov 20;23(24):5839–46

Non-mutagenicity of YTR 830 H, a novel beta-lactamase inhibitor. Yamabe S, et al. **Chemioterapia** 1985 Jun; 4(3):202–3

Effects of aminobenzyl penicillin (AB-PC), methylchlorophenyl isoxazolyl penicillin (MCI-PC) and 6-aminopenicillanic acid (6-APA) on the contractile response of guinea-pig urinary bladder. Yoshida M, et al. **Nippon Heikatsukin Gakkai Zasshi** 1984 Feb;20(1):1–12

[Beta-lactamase inhibitors. II. Synthesis and biological properties of 6-sulfonylaminopenicillanic acids] Kazimierczak J, et al. **Acta Pol Pharm** 1984;41(6):619–23 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

The cefoperazone-sulbactam combination. In vitro qualities including beta-lactamase stability, antimicrobial activity, and interpretive criteria for disk diffusion tests. Jones RN, et al. **Am J Clin Pathol** 1985 Oct;84(4):496–504

Therapeutic trial and pharmacokinetics of sulbactam for uncomplicated gonorrhea in men. Caine VA, et al. **Antimicrob Agents Chemother** 1984 Nov;26(5):683–5

Inhibition of beta-lactamase-induced resistance in soft-tissue infections. Nichols RL, et al. **Arch Surg** 1985 Jan; 120(1):36–42

Evaluation of BL-P1654: a semisynthetic penicillin as a topical ocular therapy. Cagle GD, et al. **Cornea** 1984; 3(1):27–32

Single dose intramuscular sulbactam and ampicillin in treating acute uncomplicated gonorrhoea [letter] Houang ET, et al. **Genitourin Med** 1985 Jun;61(3):209

Antibiotic prophylaxis in transurethral surgery: a comparison of sulbactam-ampicillin and cefoxitin. Dørflinger T, et al. **Infection** 1985 Mar–Apr;13(2):66–9

A double-blinded comparative study of sultamicillin and potassium penicillin V in the treatment of childhood streptococcal pharyngitis. Aronoff SC, et al. **J Antimicrob Chemother** 1984 Sep;14(3):261–5

Ampicillin combined with sulbactam or metronidazole for single-dose chemoprophylaxis in major gynaecological surgery. Houang ET, et al. **J Antimicrob Chemother** 1984 Nov;14(5):529–35

A comparison of penicillin G plus a beta-lactamase inhibitor (sulbactam) with spectinomycin for treatment of urethritis caused by penicillinase-producing Neisseria gonorrhoeae. Crider SR, et al. **Sex Transm Dis** 1984 Oct–Dec;11(4):314–7

[Clinical assessment of sulbactam/cefoperazone in comparison with ceftizoxime in patients with postoperative infections by well controlled method] Yura J, et al. **Jpn J Antibiot** 1985 Mar;38(3):643–70 (Eng. Abstr.) **(Jpn)**

URINE

Sulbactam: alkaline degradation and determination by high-performance liquid chromatography. Haginaka J, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2752–8

PENICILLIC ACID see under **CAPROATES**

PENICILLIN AMIDASE see under **AMIDOHYDROLASES**

PENICILLIN, AMINOBENZYL see **AMPICILLIN**

PENICILLIN, DIMETHOXYPHENYL see **METHICILLIN**

PENICILLIN G

ADMINISTRATION & DOSAGE

Penicillin concentrations in serum and cerebrospinal fluid after intramuscular injection of aqueous procaine penicillin 0.6 MU with and without probenecid. Goh BT, et al. **Br J Vener Dis** 1984 Dec;60(6):371–3

A therapeutic trial of cefotaxime versus penicillin-gentamicin for severe infections in children. Haffejee IE. **J Antimicrob Chemother** 1984 Sep;14 Suppl B:147–52

Recent trend of chemotherapy for infective endocarditis in Japan. Kobayashi Y, et al. **Jpn Circ J** 1985 May; 49(5):529–34

Chloramphenicol alone versus chloramphenicol plus penicillin for bacterial meningitis in children. Shann F, et al. **Lancet** 1985 Sep 28;2(8457):681–4

Chloramphenicol alone versus chloramphenicol plus penicillin for severe pneumonia in children. Shann F, et al. **Lancet** 1985 Sep 28;2(8457):684–6

Successful parenteral penicillin therapy of established Lyme arthritis. Steere AC, et al. **N Engl J Med** 1985 Apr 4; 312(14):869–74

Transverse myelitis from intraarterial penicillin. Stafford WW, et al. **Neurosurgery** 1984 Oct;15(4):552–6

Inadvertent intra-arterial injection of penicillin: an unseen danger. Stoller KP, et al. **Pediatrics** 1985 Apr;75(4):785–6

Single-dose treatment of uncomplicated gonorrhea: a comparison of cefonicid and penicillin. Duncan WC, et al. **Rev Infect Dis** 1984 Nov–Dec;6 Suppl 4:S875–9

Unstable penicillin in animal food [letter] O'Brien J. **Vet Rec** 1984 Nov 17;115(20):527

[Effect of regional intravenous anesthesia and antibiosis on the tissue pH of the extremities in cattle] Stanek C, et al. **DTW** 1985 Mar 8;92(3):89–90 (Eng. Abstr.) **(Ger)**

[Effect of probenecid on penicillin levels of the cerebrospinal fluid and blood serum in patients treated with procaine G penicillin] Stapiński A, et al. **Przegl Dermatol** 1984 Jul–Aug;71(4):375–82 (Eng. Abstr.) **(Pol)**

[Experience with the treatment of a septicopyemic form of acute hematogenic osteomyelitis in children using intra-arterial infusions of antibiotics] Berezhnoĭ VI, et al. **Klin Khir** 1985;(6):46–8 (Eng. Abstr.) **(Rus)**

[Treatment of gonorrheal urethritis with a single dose of penicillin in combination with probenecid] Karadaglić D, et al. **Vojnosanit Pregl** 1985 May–Jun;42(3):194–6 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Leucopenia associated with beta-lactam antibiotic therapy

Kaaja R, et al. **Acta Med Scand** 1984;216(5):531-4

Psychosis and seizures following the injection of penicillin G procaine. Hoigne's syndrome. Silber TJ, et al. **Am J Dis Child** 1985 Apr;139(4):335-7

Routine use of skin testing for immediate penicillin allergy to 6,764 patients in an outpatient clinic. Sarti W. **Ann Allergy** 1985 Aug;55(2):157-61

Panic attack following injection of aqueous procaine penicillin G (Hoigné syndrome) [letter] Silber TJ, et al. **J Pediatr** 1985 Aug;107(2):314-5

Adverse toxic reaction to aqueous procaine penicillin G. Landis BJ, et al. **Nurse Pract** 1984 Nov;9(11):36, 41-2, 44

[Hoigné's syndrome. A possible cause of collapse following parenteral administration of penicillin] Graudal C, et al. **Ugeskr Laeger** 1984 Jul 9;146(28):2095-6 (Eng. Abstr.) **(Dan)**

[Hoigné syndrome. Description of 2 cases (letter)] Baños J, et al. **Med Clin (Barc)** 1985 Jun 29;85(5):210 **(Spa)**

[Encephalopathy caused by beta-lactamates] Morán García V, et al. **Rev Clin Esp** 1984 Sep 15;174(5):183-6 **(Spa)**

ANALOGS & DERIVATIVES

Biopharmaceutical studies on pyridinolcarbamate. V. Effect of repeated administration of pyridinolcarbamate on the renal excretion of sulbenicillin in rabbits. Suenaga A, et al. **Acta Pharm Suec** 1985;22(1):45-52

A 3 beta-cholestanyl-containing mono-benzylpenicilloyl oligoamide and peptide suppress anti-benzylpenicilloyl antibody formation in mice. Lüscher IF, et al. **Eur J Immunol** 1985 Mar;15(3):243-50

Potentiation of the tolerogenicity of benzylpenicilloylated eicosa-L-lysine by conjugation with 4-(hydroxymethyl)benzyl 3 beta-cholestanyl succinate. Lüscher IF. **J Med Chem** 1984 Nov;27(11):1502-8

A liquid chromatographic study of stability of the minor determinants of penicillin allergy: a stable minor determinant mixture skin test preparation. Ressler C, et al. **J Pharm Sci** 1985 Apr;74(4):448-54

[The policy in syphilis] van Voorst Vader PC, et al. **Ned Tijdschr Geneeskd** 1985 Jun 29;129(26):1243-5 **(Dut)**

[Pharmacological study of benzylpenicillin-benzamido-methyl ester. I. In vivo chemotherapeutic properties] Ujj G, et al. **Acta Pharm Hung** 1985 Jan;55(1):30-6 (Eng. Abstr.) **(Hun)**

[Antibacterial activity of a new synthetic penicillin: sodium sulbenicillin] Costa AL, et al. **Clin Ter** 1984 Jun 30; 109(6):557-61 (Eng. Abstr.) **(Ita)**

[Lymphocyte proliferation test of experimental sulbenicillin rash] Aihara M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 May;95(6):637-41 **(Jpn)**

ANALYSIS

pH-dependent effect of magnesium sulfate on the stability of penicillin G potassium solution. Das Gupta V, et al. **Am J Hosp Pharm** 1985 Mar;42(3):598-602

A comparative study of procaine estimation in procaine penicillin G by chloroform extraction method and spectrophotometric method. Pillai CB, et al. **Hindustan Antibiot Bull** 1984 Aug-Nov;26(3-4):142-4

Determination of penicillin G and cloxacillin residues in beef and pork tissue by high-performance liquid chromatography. Moats WA. **J Chromatogr** 1984 Dec 28; 317:311-8

Studies on residual antibacterials in foods. III. High-performance liquid chromatographic determination of penicillin G in animal tissues using an on-line pre-column concentration and purification system. Terada H, et al. **J Chromatogr** 1985 Jan 18;318(2):299-306

Dye marked antibiotics for lactating cow mastitis therapy. Novak NF, et al. **J Dairy Sci** 1984 Aug;67(8):1841-9

Residues in young veal calves after consumption of milk containing penicillin. Prange RW, et al. **J Dairy Sci** 1984 Dec;67(12):2970-3

[Stability of the potassium salt of benzylpenicillin and sodium salts of ampicillin and cloxacillin in various infusion solutions] Piwowarska M, et al. **Acta Pol Pharm** 1984; 41(3):369-73 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

Kinetic studies on the mechanism of the penicillin amidase-catalysed synthesis of ampicillin and benzylpenicillin. Kasche V, et al. **Hoppe Seylers Z Physiol Chem** 1984 Dec;365(12):1435-43

BLOOD

[An immunoenzyme method of determining benzylpenicillin in biological substrates and its antibodies in immunized animals] Vinogradova AL, et al. **Antibiot Med Biotekhnol** 1985 Jan;30(1):47-50 (Eng. Abstr.) **(Rus)**

METABOLISM

Aqueous procaine penicillin G in foals: serum concentrations and pharmacokinetics after a single intramuscular dose. Brown MP, et al. **Equine Vet J** 1984 Jul;16(4):374-5

A carrier-mediated transport system for benzylpenicillin in isolated hepatocytes. Tsuji A, et al. **J Pharm Pharmacol** 1985 Jan;37(1):55-7

Penetration of penicillins into cardiac valves and auricles of patients undergoing open-heart surgery. Pieper R, et al. **Scand J Thorac Cardiovasc Surg** 1985;19(1):49-53

Tissue distribution of penicillin during constant rate infusion in rats at 71 ATA. Aanderud L, et al. **Undersea Biomed Res** 1985 Mar;12(1):53-8

[Penicillin levels of the cerebrospinal fluid and serum of patients treated with procaine penicillin in daily doses of 2,4 million units] Stapiński A, et al. **Przegl Dermatol** 1984 May-Jun;71(3):245-51 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Drugs affecting bilirubin uptake by human erythrocyte ghosts. Karp WB, et al. **Am J Med Sci** 1985 Jun; 289(6):236-9

Comparison of the activities of penicillin G and new beta-lactam antibiotics against clinical isolates of Bacteroides species. Aldridge KE, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):410-3

Synergy of imipenem or penicillin G and aminoglycosides against enterococci isolated from patients with infective endocarditis. Indrelie JA, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):909-12

In vitro bactericidal synergy of gentamicin combined with penicillin G, vancomycin, or cefotaxime against group G streptococci. Lam K, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):260-2

A special morphogenetic wall defect and the subsequent activity of 'murosomes' as the very reason for penicillin-induced bacteriolysis in staphylococci. Giesbrecht P, et al. **Arch Microbiol** 1985 May;141(4):315-24

Neither an enhancement of autolytic wall degradation nor an inhibition of the incorporation of cell wall material are pre-requisites for penicillin-induced bacteriolysis in staphylococci. Reinicke B, et al. **Arch Microbiol** 1985 May; 141(4):309-14

Repeated exposition to subinhibitory concentrations of antibiotic in vitro readily decreases susceptibility of Neisseria gonorrhoeae to rifampicin, but not to new cephalosporins and penicillin G. Korting HC, et al. **Chemotherapy** 1984;30(6):366-72

Bactericidal activity of five combinations of penicillin G with aminoglycosides against Streptococcus faecium. Le Bouguenec C, et al. **Eur Heart J** 1984 Oct;5 Suppl C:29-32

Inhibition of cell wall synthesis and acylation of the penicillin binding proteins during prolonged exposure of growing Streptococcus pneumoniae to benzylpenicillin. Williamson R, et al. **Eur J Biochem** 1985 Sep 16;151(3):475-83

Penicillin-induced lysis of Streptococcus mutans. Kral TA, et al. **Infect Immun** 1984 Nov;46(2):442-7

Different penicillin sensitivities between capsulated strains of Staphylococcus aureus and their non-capsulated variants. Ito S. **J Antimicrob Chemother** 1984 Aug; 14(2):125-31

Penicillin tolerance in multiply drug-resistant natural isolates of Streptococcus pneumoniae. Liu HH, et al. **J Infect Dis** 1985 Aug;152(2):365-72

Synergy between penicillins and low concentrations of gentamicin in the killing of group B streptococci. Swingle HM, et al. **J Infect Dis** 1985 Sep;152(3):515-20

Interaction between human monocytes and penicillin G in relation to the antibacterial effect on Staphylococcus aureus. van den Broek PJ, et al. **J Infect Dis** 1985 Sep; 152(3):521-8

The effect of penicillin on fatty acid synthesis and excretion in Streptococcus mutans BHT. Brissette JL, et al. **Lipids** 1985 Mar;20(3):173-9

Penicillin G inhibits granulocyte aggregation in vitro. Voss R, et al. **Thromb Res** 1984 Nov 1;36(3):277-9

Enhanced killing of penicillin-treated gram-positive cocci by human granulocytes: role of bacterial autolysins, catalase, and granulocyte oxidative pathways. Isturiz R, et al. **Yale J Biol Med** 1985 Mar-Apr;58(2):133-43

The influence of penicillin on growth and morphology of Streptococcus pyogenes in vivo. Bergholm AM, et al. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1985 Feb; 259(1):90-103

[Susceptibility of bacteria isolated from lower respiratory tract infections to antibiotics (1982)] Ikemoto H, et al. **Jpn J Antibiot** 1984 Jul;37(7):1241-62 (Eng. Abstr.) **(Jpn)**

[Destruction of apical dendritic layers in penicillin-induced cortical epileptic focus] Okamoto J, et al. **No To Shinkei** 1984 Dec;36(12):1215-21 (Eng. Abstr.) **(Jpn)**

[Threshold of penicillin induced epileptiform afterdischarge in brain slices of guinea pig] Yuasa H, et al. **No To Shinkei** 1985 Apr;37(4):371-6 (Eng. Abstr.) **(Jpn)**

[Effect of benzylpenicillin and tetracycline on phagocytic and humoral activity and biochemical indices in experimental animals with staphylococcal infection] Balakliets NI, et al. **Antibiot Med Biotekhnol** 1985 May; 30(5):364-9 (Eng. Abstr.) **(Rus)**

[Methods of evaluating the efficacy of combinations of aminoglycosides with penicillins and their value for the possibility of predicting the therapeutic effect in patients] Pozdniakova VP, et al. **Antibiot Med Biotekhnol** 1985 May; 30(5):369-75 (Eng. Abstr.) **(Rus)**

[Electron microscopic characteristics of the action of penicillin and vancomycin on Rickettsia conorii and Rickettsia akari in vitro] Barkhatova OI, et al. **Antibiotiki** 1984 Aug;29(8):580-5 (Eng. Abstr.) **(Rus)**

[Shifts in tissue respiration of the lung and liver in rabbits administered penicillin and streptomycin] Valchekonis VI. **Antibiotiki** 1984 Sep;29(9):662-6 (Eng. Abstr.) **(Rus)**

[Rec A, lex A dependence of the action of penicillin G on Escherichia coli K-12] Levashev VS, et al. **Dokl Akad Nauk SSSR** 1985;280(2):502-4 **(Rus)**

THERAPEUTIC USE

Inadequate treatment of syphilis in pregnancy. Mascola L, et al. **Am J Obstet Gynecol** 1984 Dec 15;150(8):945-7

High failure rates in outpatient treatment of salpingitis with either tetracycline alone or penicillin/ampicillin combination. Thompson SE, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):635-41

Evaluation of Sch 29482 in experimental syphilis and comparison with penicillin G benzathine in disseminated disease and localized infection. Baughn RE, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):401-4

A rat model of bacterial keratitis. Effect of antibiotics and corticosteroid. Badenoch PR, et al. **Arch Ophthalmol** 1985 May;103(5):718-22

Inhibition of beta-lactamase-induced resistance in soft-tissue infections. Nichols RL, et al. **Arch Surg** 1985 Jan; 120(1):36-42

Treatment of tetanus: an open study to compare the efficacy of procaine penicillin and metronidazole. Ahmadsyah I, et al. **Br Med J [Clin Res]** 1985 Sep 7;291(6496):648-50

Peroperative penicillins, bacteremia, and pelvic inflammatory disease in association with induced first-trimester abortion. Heisterberg L, et al. **Dan Med Bull** 1985 Mar;32(1):73-5

Prevention of osteoradionecrosis: a randomized prospective clinical trial of hyperbaric oxygen versus penicillin. Marx RE, et al. **J Am Dent Assoc** 1985 Jul;111(1):49-54

Effects of exopolysaccharide production by viridans streptococci on penicillin therapy of experimental endocarditis. Pulliam L, et al. **J Infect Dis** 1985 Jan; 151(1):153-6

Antibiotic prophylaxis in intraoral orthognathic surgery. Ruggles JE, et al. **J Oral Maxillofac Surg** 1984 Dec; 42(12):797-801

Penicillin plus rifampin eradicates pharyngeal carriage of group A streptococci. Tanz RR, et al. **J Pediatr** 1985 Jun; 106(6):876-80

Prophylactic antibiotics in erysipelas [letter] Duvanel T, et al. **Lancet** 1985 Jun 15;1(8442):1401

Ludwig's angina. Aden KK, et al. **Nebr Med J** 1984 Dec; 69(12):395-8

Rheumatic fever prophylaxis: Gisborne experience. Frankish JD. **NZ Med J** 1984 Oct 10;97(765):674-5

Chemoprophylaxis of early onset Group B streptococcal disease. Gotoff SP. **Pediatr Infect Dis** 1984 Sep-Oct; 3(5):401-3

Rheumatic fever article questioned [letter] **Pediatrics** 1984 Dec;74(6):1133-4

Recurrence of rheumatic fever [letter] Feinstein AR. **Pediatrics** 1985 May;75(5):991

Syphilis in pregnant black women. Manning B, et al. **S Afr Med J** 1985 Jun 15;67(24):966-7

Effect of benzylpenicillin in mice infected with endotoxin-liberating or non-liberating variant strains of Neisseria meningitidis. Andersen BM, et al. **Scand J Infect Dis** 1984;16(3):257-66

A comparison of penicillin G plus a beta-lactamase inhibitor (sulbactam) with spectinomycin for treatment of urethritis caused by penicillinase-producing Neisseria gonorrhoeae. Crider SR, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4):314-7

Thiamphenicol in the treatment of gonococcal infections: a comparative trial with penicillin and spectinomycin. Tupasi TE, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4 Suppl):382-5

Streptococcus milleri endocarditis complicated by myocardial abscess. Levandowski RA. **South Med J** 1985 Jul;78(7):892-3

[Value of prophylactic antibiotic therapy in cesarean section] el Bakali-el Kassimi A, et al. **Maroc Med** 1984 Dec; 6(4):291-6 (Eng. Abstr.) **(Fre)**

[Parenteral treatment of placental retention in cows] Varadin M, et al. **Schweiz Arch Tierheilkd** 1985 Apr;127(4):279-89 (Eng. Abstr.) **(Ger)**

[Problem of the low effectiveness of delayed-action penicillin in neurosyphilis in the light of clinical observations] Starzycki Z. **Przegl Dermatol** 1985 Jan-Feb;72(1):65-9 (Eng. Abstr.) **(Pol)**

[Pneumococcal meningitis partially resistant to penicillin: presentation of 2 cases and review of the literature] Maña J, et al. **Med Clin (Barc)** 1985 May 4;84(17):697-9 (Eng. Abstr.) **(Spa)**

[Non-surgical treatment of a cerebral abscess (letter)] Moragrega R, et al. **Med Clin (Barc)** 1984 Oct 6;83(10):433 **(Spa)**

[Failure of penicillin in pediatric meningococcal meningitis (letter)] Vila Cots J, et al. **Med Clin (Barc)** 1984 Sep 22; 83(8):353 **(Spa)**

[Treatment of gonorrhea in Santiago de Chile] García J, et al. **Rev Med Chil** 1984 Nov;112(11):1104-8 (Eng. Abstr.) **(Spa)**

[Evaluation of penicillin alone and penicillin combined with anti-anthrax serum in experimental anthrax in mice] Doğanay M, et al. **Mikrobiyol Bul** 1985 Apr;19(2):57-64 (Eng. Abstr.) **(Tur)**

TOXICITY

Furosemide effect on penicillin induced convulsions. Noy

S, et al. **Chemioterapia** 1984 Feb;3(1):57-9

PENICILLIN G, BENZATHINE see under **PENICILLIN G**

PENICILLIN G, PROCAINE see under **PENICILLIN G**

PENICILLIN, METHYLPHENYLISOXAZOLYL see **OXACILLIN**

PENICILLIN, PHENOXYMETHYL

ADMINISTRATION & DOSAGE

Penicillin V and rifampin for the treatment of group A streptococcal pharyngitis: a randomized trial of 10 days penicillin vs 10 days penicillin with rifampin during the final 4 days of therapy. Chaudhary S, et al. **J Pediatr** 1985 Mar;106(3):481-6

ADVERSE EFFECTS

Fatal anaphylactic reaction to oral penicillin: report of case. Roberts J, et al. **J Am Dent Assoc** 1985 Apr;110(4):505-6

[Hemorrhagic colitis caused by penicillin] Rodenburg CJ, et al. **Ned Tijdschr Geneeskd** 1985 Mar 30;129(13):601-3 (Eng. Abstr.) **(Dut)**

[Esophageal stenosis related to the ingestion of phenoxymethylpenicillin in an insulin-dependent diabetic (letter)] Brochet E, et al. **Presse Med** 1984 Nov 3; 13(39):2392 **(Fre)**

[Exacerbation reaction to a sublingual penicillin test] Korotkov VD. **Vestn Dermatol Venerol** 1984 Nov;(11):66-9 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Spectrophotometric method of determining phenoxymethylpenicillin in the air] Churagulova NK. **Antibiot Med Biotekhnol** 1985 Feb;30(2):99-101 (Eng. Abstr.) **(Rus)**

BLOOD

Rapid high-pressure liquid chromatographic method for analysis of phenoxymethylpenicillin in human serum. Lindberg RL, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):300-2

CHEMICAL SYNTHESIS

Enzymatic synthesis of phenoxymethylpenicillin using Erwinia aroideae enzyme. Nam DH, et al. **J Antibiot (Tokyo)** 1984 Oct;37(10):1217-23

METABOLISM

Molecular cloning of Bacillus sphaericus penicillin V amidase gene and its expression in Escherichia coli and Bacillus subtilis. Olsson A, et al. **Appl Environ Microbiol** 1985 May; 49(5):1084-9

PHARMACODYNAMICS

Comparative pharmacodynamics and clinical pharmacokinetics of phenoxymethylpenicillin and pheneticillin. Overbosch D, et al. **Br J Clin Pharmacol** 1985 May;19(5):657-68

Bactericidal activity of phenoxymethylpenicillin in an in-vitro model simulating tissue kinetics. Sous H, et al. **J Antimicrob Chemother** 1985 Jan;15 Suppl A:233-9

A comparative study of the effectiveness of metronidazole and penicillin V in eliminating anaerobes from postextraction bacteremias. Head TW, et al. **Oral Surg Oral Med Oral Pathol** 1984 Aug;58(2):152-5

THERAPEUTIC USE

Acute otitis media in older children and adults treated with penicillin or erythromycin. Rosén C, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;407:23-5

Inefficacy of penicillin V in acute laryngitis in adults. Evaluation from results of double-blind study. Schalén L, et al. **Ann Otol Rhinol Laryngol** 1985 Jan-Feb;94(1 Pt 1):14-7

Impact of phenoxymethylpenicillin and clindamycin on microflora in recurrent tonsillitis. Tunér K, et al. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):278-80

A double-blinded comparative study of sultamicillin and potassium penicillin V in the treatment of childhood streptococcal pharyngitis. Aronoff SC, et al. **J Antimicrob Chemother** 1984 Sep;14(3):261-5

Studies in vivo on the killing rate and refractory period of penicillin V in an experimental streptococcal infection. Roos K, et al. **J Antimicrob Chemother** 1985 May; 15(5):587-95

A clinical trial of phenoxymethyl penicillin for adjunctive treatment of juvenile periodontitis. Kunihira DM, et al. **J Periodontol** 1985 Jun;56(6):352-8

Streptococcal pharyngitis. Placebo-controlled double-blind evaluation of clinical response to penicillin therapy. Krober MS, et al. **JAMA** 1985 Mar 1;253(9):1271-4

Prophylactic antibiotics in recurrent erysipelas [letter] Thind P. **Lancet** 1985 Apr 27;1(8435):986

Prophylactic use of penicillin V in teeth with necrotic pulps and asymptomatic periapical radiolucencies. Mata E, et al. **Oral Surg Oral Med Oral Pathol** 1985 Aug;60(2):201-7

Treatment of acute maxillary sinusitis. Erythromycin base and phenoxymethyl-penicillin (penicillin V). von Sydow C, et al. **Rhinology** 1984 Dec;22(4):247-54

PENICILLIN RESISTANCE

The detection of penicillin-resistant pneumococci. The compliance of hospital laboratories with recommended methods. Decker MD, et al. **Am J Clin Pathol** 1985 Sep; 84(3):357-60

Ampicillin resistance and Haemophilus influenzae type b [letter] Daum RS. **Am J Dis Child** 1985 Feb;139(2):114

Penicillin-intermediate pneumococci in a children's hospital. Willett LD, et al. **Am J Dis Child** 1985 Oct;139(10):1054-7

Antibiotic usage for methicillin-resistant Staphylococcus mycotic aneurysms. Nelson RM, et al. **Am Surg** 1985 Jun; 51(6):314-5

Antimicrobial susceptibility of Streptococcus pneumoniae: serotype distribution of penicillin-resistant strains in Spain. Casal J. **Antimicrob Agents Chemother** 1982 Aug; 22(2):222-5

Incidence, adherence, and antibiotic resistance of coagulase-negative Staphylococcus species causing human disease. Needham CA, et al. **Diagn Microbiol Infect Dis** 1984 Sep;2(4):293-9

Frequency of plasmid-determined beta-lactamases in 680 consecutively isolated strains of Enterobacteriaceae [letter] Roy C, et al. **Eur J Clin Microbiol** 1985 Apr;4(2):146-7

Penicillinase producing strains of Neisseria gonorrhoea from Chandigarh. Sharma M, et al. **Indian J Med Res** 1984 Nov; 80:512-5

The in-vitro activity of some antimicrobial agents against methicillin-resistant Staphylococcus aureus. Moorhouse EC, et al. **J Antimicrob Chemother** 1985 Mar;15(3):291-5

Increased amounts of a novel penicillin-binding protein in a strain of methicillin-resistant Staphylococcus aureus exposed to nafcillin. Chambers HF, et al. **J Clin Invest** 1985 Jul;76(1):325-31

Emergence of a multiple beta-lactam-resistance phenotype in group B streptococci of bovine origin. Berghash SR, et al. **J Infect Dis** 1985 Mar;151(3):494-500

Molecular epidemiology of plasmid-mediated ampicillin resistance in Haemophilus influenzae type b isolates from Alaska. Mendelman PM, et al. **J Infect Dis** 1985 Jun; 151(6):1061-72

Effects of exopolysaccharide production by viridans streptococci on penicillin therapy of experimental endocarditis. Pulliam L, et al. **J Infect Dis** 1985 Jan; 151(1):153-6

'Australian' methicillin-resistant Staphylococcus aureus in a London hospital? Townsend DE, et al. **Med J Aust** 1984 Sep 15;141(6):339-40

Comparison of MRSA [letter] Vickery AM, et al. **Med J Aust** 1985 Mar 18;142(6):378-9

A community-based outbreak of infection with penicillin-resistant Neisseria gonorrhoeae not producing penicillinase (chromosomally mediated resistance). Faruki H, et al. **N Engl J Med** 1985 Sep 5;313(10):607-11

Community-acquired pneumonia due to penicillin-resistant pneumococci. Feldman C, et al. **N Engl J Med** 1985 Sep 5;313(10):615-7

Hospital personnel with penicillin-resistant Streptococcus viridans. A case for special consideration in the prevention of bacterial endocarditis. Leviner E, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):394-6

[2 strains of pneumococci with reduced penicillin sensitivity in Switzerland] Wüst J. **Schweiz Med Wochenschr** 1985 Apr 20;115(16):555-7 (Eng. Abstr.) **(Ger)**

[Strains of Neisseria gonorrhoeae resistant to penicillin and penicillinase-producers. Study of in vitro sensitivity to third generation cephalosporin] Monti M, et al. **G Ital Dermatol Venereol** 1984 Sep-Oct;119(5):305-8 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

In vitro activity of combinations of antibiotics against Staphylococcus aureus resistant to gentamicin and methicillin. Dixson S, et al. **Infection** 1985 Jan-Feb; 13(1):35-8

PENICILLIN V see **PENICILLIN, PHENOXYMETHYL**

PENICILLINASE

Flow injection determination of penicillins using immobilized penicillinase in a single bead string reactor. Gnanasekaran R, et al. **Anal Chem** 1985 May;57(6):1005-9

The crystal structure of beta-lactamase from Staphylococcus aureus at 0.5 nm resolution. Moult J, et al. **Biochem J** 1985 Jan 1;225(1):167-76

ANALYSIS

Purification and properties of inducible penicillin beta-lactamase isolated from Alcaligenes faecalis. Fujii T, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):608-11

BIOSYNTHESIS

Susceptibility of penicillinase-producing Neisseria gonorrhoeae in Ibadan to cefoxitin. Ogunbanjo BO, et al. **Afr J Med Med Sci** 1984 Sep-Dec;13(3-4):151-4

Penicillinase producing gonococci. Mason PR, et al. **Cent Afr J Med** 1984 Dec;30(12):238-41

Penicillinase producing strains of Neisseria gonorrhoeae in the West Midlands 1979-83. Clay JC. **Genitourin Med** 1985 Aug;61(4):234-40

Penicillinase producing strains of Neisseria gonorrhoeae in Madrid [letter] Vázquez J, et al. **Genitourin Med** 1985 Apr; 61(2):139

Processing of Bacillus cereus 569/H beta-lactamase I in Escherichia coli and Bacillus subtilis. Mézes PS, et al. **J Biol Chem** 1985 Jan 25;260(2):1218-23

Penicillinase-producing Neisseria gonorrhoeae: epidemiology, antimicrobial susceptibility and plasmid types. Goh BT, et al. **J Infect** 1985 Jul;11(1):63-9

Rapid identification of penicillinase-producing Neisseria gonorrhoeae by detection of beta-lactamase in urethral exudates. Taylor DN, et al. **Lancet** 1985 Sep 21; 2(8456):625-6

Plasmid profiles of penicillinase-producing Neisseria gonorrhoeae isolated in Fukuoka, Japan. Yoshida S, et al. **Microbiol Immunol** 1984;28(8):955-9

Emergence in Italy of a PPNG strain carrying 'Asia' plasmid. Bondi M, et al. **Microbiologica** 1984 Jul;7(3):257-61

Plasmid patterns and in-vitro susceptibility of penicillinase-producing Neisseria gonorrhoeae with emphasis on thiamphenicol: results of surveillance in The Netherlands. van Klingeren B, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4 Suppl):364-5

[Epidemiological surveillance of beta-lactamase-producing gonococci. II--Characterization of plasmids of 66 strains isolated in France (May 1979-March 1983)] Labidi A, et al. **Pathol Biol (Paris)** 1984 Dec;32(10):1013-8 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Enzyme linked immunosorbent assay using penicillinase in serodiagnosis of toxoplasmosis. Wagle NM, et al. **Indian J Med Res** 1985 Mar;81:275-80

GENETICS

Phenotypic and genotypic characterization of penicillinase-producing strains of Neisseria gonorrhoeae. Falk ES, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Apr; 93(2):91-7

Cloning and sequencing of the beta-lactamase I gene of Bacillus cereus 5/B and its expression in Bacillus subtilis. Wang W, et al. **J Bacteriol** 1985 Aug;163(2):487-92

N-terminal glyceride-cysteine modification of membrane penicillinases in gram-positive bacteria. Lampen JO, et al. **Methods Enzymol** 1984;106:365-8

METABOLISM

In vitro antimicrobial susceptibilities of penicillinase-producing and non-penicillinase-producing strains of Neisseria gonorrhoeae isolated in Durban, South Africa. Coovadia YM, et al. **Antimicrob Agents Chemother** 1984 Nov;26(5):770-2

Influence of inoculum size on comparative susceptibilities of penicillinase-positive and -negative Neisseria gonorrhoeae to 31 antimicrobial agents. Hall WH, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):192-5

Genetic and biochemical properties of AER-1, a novel carbenicillin-hydrolyzing beta-lactamase from Aeromonas hydrophila. Hedges RW, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):479-84

Penicillinase producing strains of Neisseria gonorrhoea from Chandigarh. Sharma M, et al. **Indian J Med Res** 1984 Nov; 80:512-5

Penicillinase inactivates kanamycin in the presence of carbenicillin. Dums F, et al. **Naturwissenschaften** 1985 Jul; 72(7):375-6

PHYSIOLOGY

The role of beta-lactamase-producing bacteria in the persistence of streptococcal tonsillar infection. Brook I. **Rev Infect Dis** 1984 Sep-Oct;6(5):601-7 (39 ref.)

SECRETION

[Isolation of penicillinase-producing Neisseria gonorrhoeae from a foreign male patient] Füzi M, et al. **Orv Hetil** 1984 Sep 9;125(37):2253-5 (Eng. Abstr.) **(Hun)**

PENICILLINS

First International Workshop on Temocillin. Proceedings of a symposium sponsored by Beecham Pharmaceuticals held in Athens on 20 September, 1984. **Drugs** 1985;29 Suppl 5:1-243

Interictal afterdischarge in focal penicillin epilepsy: thalamocortical unit activity. Albowitz B, et al. **Exp Neurol** 1985 May;88(2):360-71

Interictal afterdischarge in focal penicillin epilepsy: block by thalamic cooling. Gasteiger EL, et al. **Exp Neurol** 1985 May;88(2):349-59

Light scattering studies on micelle formation by some penicillins in aqueous solution. Attwood D, et al. **J Pharm Pharmacol** 1984 Aug;36(8):563-4

[New penicillins and cephalosporins] Lopes HV. **AMB** 1984 Nov-Dec;30(11-12):215-24 (66 ref.) (Eng. Abstr.) (Por)

ADMINISTRATION & DOSAGE

Bactericidal activity of ceftazidime in serum compared with that of ticarcillin combined with amikacin. Standiford HC, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):339–42

The pharmacology of clavulanic acid and ticarcillin combined. Scully BE, et al. **Chemioterapia** 1984 Dec; 3(6):385–9

Antibacterial activity of temocillin in combination with other beta-lactam antibiotics. Verbist L, et al. **Drugs** 1985;29 Suppl 5:32–7

The course, costs and complications of oral versus intravenous penicillin therapy of erysipelas. Jorup-Rönström C, et al. **Infection** 1984 Nov-Dec; 12(6):390–4

Successful prophylaxis of experimental streptococcal endocarditis with single doses of sublethal concentrations of penicillin. Francioli P, et al. **J Antimicrob Chemother** 1985 Jan;15 Suppl A:297–302

Comparative pharmacokinetics and serum bactericidal activity of mezlocillin, ticarcillin and piperacillin, with and without gentamicin. Viollier AF, et al. **J Antimicrob Chemother** 1985 May;15(5):597–606

Bactericidal effects of amoxycillin/clavulanic acid and ticarcillin/clavulanic acid in in-vitro kinetic models. White AR, et al. **J Antimicrob Chemother** 1985 Jan;15 Suppl A:227–32

Single-dose therapy for cystitis in women [letter] Bailey RR. **JAMA** 1985 Aug 23–30;254(8):1034–5

Tissue damage caused by the intramuscular injection of long-acting penicillin. Schanzer H, et al. **Pediatrics** 1985 Apr;75(4):741–4

Instability of penicillin in feed [letter] Cooke BC. **Vet Rec** 1984 Oct 27;115(17):447–8

[Dosage interval and in vivo action of penicillin against pneumococci] Gerber AU, et al. **Schweiz Med Wochenschr** 1984 Dec 1;114(48):1758–60 (Eng. Abstr.) **(Ger)**

[Course and outcome of acute pneumonia in young children treated at home] Niiazov RR. **Pediatriia** 1984 Sep;(9):19–20 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

A complicated case of penicillin allergy. Cameron W, et al. **Ann Allergy** 1984 Dec;53(6):455–61

Cross allergenicity between penicillins and cephalosporins. Beam TR Jr, et al. **Chemioterapia** 1984 Dec;3(6):390–3

Lack of cross-allergenicity between mezlocillin and other semisynthetic penicillins. Andersen R, et al. **Clin Pharm** 1984 Nov-Dec;3(6):644–5

Radiographic and endoscopic findings in penicillin-related non-pseudomembranous colitis. Iida M, et al. **Endoscopy** 1985 Mar;17(2):64–8

Penicillin allergy. Sogn DD. **J Allergy Clin Immunol** 1984 Oct;74(4 Pt 2):589–93

A liquid chromatographic study of stability of the minor determinants of penicillin allergy: a stable minor determinant mixture skin test preparation. Ressler C, et al. **J Pharm Sci** 1985 Apr;74(4):448–54

Penicillin hypersensitivity––is milk a significant hazard?: a review. Dewdney JM, et al. **J R Soc Med** 1984 Oct; 77(10):866–77 (37 ref.)

Postcoital urticaria in a penicillin-sensitive patient. Possible seminal transfer of penicillin. Green RL, et al. **JAMA** 1985 Jul 26;254(4):531

Penicillin allergy and desensitization in serious infections during pregnancy. Wendel GD Jr, et al. **N Engl J Med** 1985 May 9;312(19):1229–32

Esophageal ulceration associated with oral penicillin in Marfan's syndrome [letter] Gould PC, et al. **NY State J Med** 1985 May;85(5):199–200

Group B streptococcal arthritis in a patient allergic to penicillin [letter] Thomas MG, et al. **NZ Med J** 1984 Oct 24;97(766):738

[Bisalbuminemia. Review and observations on the acquired form in a patient with myeloma] Pola V, et al. **Vnitr Lek** 1984 Aug;30(8):813–21 (37 ref.) (Eng. Abstr.) **(Cze)**

[Systemic anaphylaxis and allergic reactions following administration of penicillins. Report to the Committee of Adverse Drug Reactions] Hovgaard C. **Ugeskr Laeger** 1985 May 27;147(22):1791–2 **(Dan)**

[Cutaneous side effects of penicillins. Reports to the committee on adverse drug reactions] Hovgaard C. **Ugeskr Laeger** 1984 Jun 11;146(24):1801–3 **(Dan)**

[Allergy to penicillin: a practical guide for the general practitioner] Jolivet M, et al. **Union Med Can** 1984 Oct; 113(10):842–7 (Eng. Abstr.) **(Fre)**

[Penicillin allergy] Tamir R, et al. **Harefuah** 1984 Nov 1; 107(9):241–4 **(Heb)**

[Penicillin hypersensitivity: diagnosis and management] Baldy JL, et al. **AMB** 1984 Nov-Dec;30(11–12):247–52 (Eng. Abstr.) **(Por)**

[Allergic retinovasculitis in patients with occupational pathology caused by antibiotics (penicillin and streptomycin)] Karacharova SV. **Oftalmol Zh** 1985; (2):100–1 (Eng. Abstr.) **(Rus)**

[Acute coronary insufficiency in anaphylactic reactions caused by drugs] Petrović M. **Srp Arh Celok Lek** 1984 Oct; 112(10):1091–8 (Eng. Abstr.) **(Scc)**

[Polyserositis and platelet hypoaggregability caused by penicillin in a female patient with meningococcal meningitis (letter)] Mancebo Cortés J, et al. **Med Clin (Barc)** 1984 Nov 24;83(17):732–3 **(Spa)**

ANALYSIS

pH-based enzyme potentiometric sensors. Part 3. Penicillin-sensitive field effect transistor. Caras SD, et al. **Anal Chem** 1985 Aug;57(9):1924–5

Flow injection determination of penicillins using immobilized penicillinase in a single bead string reactor. Gnanasekaran R, et al. **Anal Chem** 1985 May;57(6):1005–9

Liquid chromatographic determination of penicillins by postcolumn alkaline degradation. Haginaka J, et al. **Anal Chem** 1985 Jul;57(8):1568–71

High-performance liquid chromatographic assay of temocillin and epimerisation of its diastereoisomers. Bird AE, et al. **Analyst** 1984 Sep;109(9):1209–12

Enzyme-linked immunosorbent assay for measurement of penicilloyl groups. Lapresle C, et al. **Ann Inst Pasteur Immunol** 1985 May-Jun;136C(3):375–82

Excretion of penicillins in bovine milk following intramuscular administration. Moretain JP, et al. **Food Addit Contam** 1984 Oct-Dec;1(4):349–58

Temocillin bile levels [letter] Uwaydah M, et al. **J Antimicrob Chemother** 1984 Aug;14(2):193–4

Clavulanate-potentiated ticarcillin: high-performance liquid chromatographic assays for clavulanic acid and ticarcillin isomers in serum and urine. Watson ID. **J Chromatogr** 1985 Feb 8;337(2):301–9

Application of Azure C for the extractive spectrophotometric determination of microgram amounts of penicillin. Gowda AT, et al. **J Pharmacol Methods** 1985 Jun;13(3):275–80

[Mercurimetric determination of penicillins. I. Conditions for the titration of natural penicillins in a pyridine solvent medium and its application to drug forms] Pospíšilová B, et al. **Cesk Farm** 1984 Jun;33(5):181–6 (Eng. Abstr.) **(Cze)**

ANTAGONISTS & INHIBITORS

In vitro antagonism between N-formimidoyl thienamycin and aztreonam, ticarcillin and ticarcillin/clavulanic acid. Toma EC, et al. **Ann Microbiol (Paris)** 1984 Jul-Aug; 135B(1):111–5

Effect of L-cysteine on the activity of penicillin antibiotics against Clostridium difficile. Markowitz SM, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):419–21

Antagonistic effect of penicillin-amikacin combinations against enterococci. Thauvin C, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):78–83

BIOSYNTHESIS

Isopenicillin N synthetase of Penicillium chrysogenum, an enzyme that converts delta-(L-alpha-aminoadipyl)-L-cysteinyl-D-valine to isopenicillin N. Ramos FR, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):380–7

Penicillin production: biotechnology at its best. van der Beek CP, et al. **Antonie Van Leeuwenhoek** 1984;50(5–6):625–39

BLOOD

Penicillin concentrations in serum and cerebrospinal fluid after intramuscular injection of aqueous procaine penicillin 0.6 MU with and without probenecid. Goh BT, et al. **Br J Vener Dis** 1984 Dec;60(6):371–3

Clinical pharmacology of timentin (ticarcillin and clavulanic acid). Bodey GP, et al. **Clin Pharmacol Ther** 1985 Aug; 38(2):134–9

CEREBROSPINAL FLUID

A study of the penetration of temocillin in the cerebrospinal fluid. Brückner O, et al. **Drugs** 1985;29 Suppl 5:162–6

CHEMICAL SYNTHESIS

Synthesis and antibacterial activity of pyrimidinylureidopenicillins. Wetzel B, et al. **Arzneimittelforsch** 1985;35(1A):343–8

Preparation and structure-activity relationships of some 6 alpha-substituted penicillins. Burton G, et al. **J Antibiot (Tokyo)** 1985 Jun;38(6):721–39

Semisynthetic penicillins and cephalosporins containing the substituted 6-vinyl-1,2-dihydro-2-oxo- and 1,4-dihydro-4-oxo-3-pyridinecarboxylic acid side chains. Synthesis and structure-activity relationships. DeJohn D, et al. **J Antibiot (Tokyo)** 1985 Mar;38(3):372–9

The synthesis and antibacterial activity of some beta-lactamase stable 6 alpha-(hydroxymethyl)penicillins. Dixon RA, et al. **J Antibiot (Tokyo)** 1984 Dec; 37(12):1729–31

Further studies on bisnorpenicillins. Driver MJ, et al. **J Antibiot (Tokyo)** 1985 Apr;38(4):550–3

Stereospecific C6-hydroxyethylation of the penicillin nucleus. Kim WJ, et al. **J Antibiot (Tokyo)** 1984 Oct; 37(10):1276–7

Synthesis and beta-lactamase inhibitory properties of 2 beta-[(acyloxy)methyl]-2-methylpenam-3 alpha-carboxylic acid 1,1-dioxides. Gottstein WJ, et al. **J Med Chem** 1985 Apr;28(4):518–22

HISTORY

First clinical use of penicillin. Fletcher C. **Br Med J [Clin Res]** 1984 Dec 22–29;289(6460):1721–3

Penicillin: early trials in war casualties. Fraser I. **Br Med J [Clin Res]** 1984 Dec 22–29;289(6460):1723–5

First clinical use of penicillin [letter] Lawrie R. **Br Med J [Clin Res]** 1985 Feb 2;290(6465):397

The classic. Penicillin: its practical application in orthopaedic surgery and fractures. By V. H. Ellis. 1946. Ellis VH. **Clin Orthop** 1984 Nov;(190):3–10

[40th anniversary of the introduction of penicillin for the treatment of syphilis and gonorrhea] Starzycki Z. **Przegl Lek** 1984;41(6):453–7 **(Pol)**

IMMUNOLOGY

Investigation into the immunologic cross-reactivity of aztreonam with other beta-lactam antibiotics. Saxon A, et al. **Am J Med** 1985 Feb 8;78(2A):19–26

Investigation of the response to some haptenic determinants in penicillin allergy by skin and in vitro allergy tests. Assem ES, et al. **Clin Allergy** 1975 Mar;5(1):43–57

Red cell and platelet-bound IgG penicillin antibodies in a patient with thrombocytopenia. Salamon DJ, et al. **Transfusion** 1984 Sep-Oct;24(5):395–8

METABOLISM

Pharmacokinetics of ticarcillin in the dog. Tilmant L, et al. **Am J Vet Res** 1985 Feb;46(2):479–81

Investigation of the beta-lactamase activity of Prototheca zopfii. Casal M, et al. **Ann Microbiol (Paris)** 1984 Nov-Dec; 135B(3):359–62

Affinity of temocillin for Escherichia coli K-12 penicillin-binding proteins. Labia R, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):335–8

Peroperative concentrations of ticarcillin in blood, gallbladder wall and bile. Forrester DW, et al. **Br J Clin Pract** 1984 Oct;38(10):350–2

Temocillin penetration of peripheral lymph. Bergan T, et al. **Drugs** 1985;29 Suppl 5:114–7

Effect of renal function and dialysis on temocillin pharmacokinetics. Boelaert J, et al. **Drugs** 1985;29 Suppl 5:109–13

Lung tissue penetration of temocillin. Cowan W, et al. **Drugs** 1985;29 Suppl 5:151–3

Beta-lactamase stability of temocillin. Edmondson RA, et al. **Drugs** 1985;29 Suppl 5:64–6

Temocillin concentrations in human tissues. Gould JG, et al. **Drugs** 1985;29 Suppl 5:167–70

Human pharmacokinetics and antimicrobial activities of the temocillin epimers. Guest EA, et al. **Drugs** 1985;29 Suppl 5:154–61

Pharmacokinetics of temocillin in volunteers. Hampel B, et al. **Drugs** 1985;29 Suppl 5:99–102

Temocillin pharmacokinetics in normal and impaired renal function. Höffler D, et al. **Drugs** 1985;29 Suppl 5:135–9

Pharmacokinetics and tissue penetration of temocillin. Lockley MR, et al. **Drugs** 1985;29 Suppl 5:106–8

Quantification of temocillin biliary excretion and gallbladder bile concentration in healthy subjects. Maudgal DP, et al. **Drugs** 1985;29 Suppl 5:146–50

Renal clearance of temocillin in volunteers. Overbosch D, et al. **Drugs** 1985;29 Suppl 5:128–34

Biliary concentrations of temocillin. Poston GJ, et al. **Drugs** 1985;29 Suppl 5:140–5

Biliary concentrations of temocillin. Spelsberg F, et al. **Drugs** 1985;29 Suppl 5:122–7

Bioavailability of hetacillin in rats after liver enzyme induction by various inducers with or without protein binding properties. Couvaris M, et al. **Eur J Drug Metab Pharmacokinet** 1985 Jan-Mar; 10(1):27–32

A gene fusion that localises the penicillin-binding domain of penicillin-binding protein 3 of Escherichia coli. Hedge PJ, et al. **FEBS Lett** 1984 Oct 15;176(1):179–84

Difference in pathway of Escherichia coli outer membrane permeation between penicillins and cephalosporins. Yamaguchi A, et al. **FEBS Lett** 1985 Feb 11;181(1):143–8

Human pharmacokinetics of temocillin (BRL 17421) side chain epimers. Guest EA, et al. **J Antimicrob Chemother** 1985 Mar;15(3):327–36

Purification and sequencing of the active site tryptic peptide from penicillin-binding protein 5 from the dacA mutant strain of Escherichia coli (TMRL 1222). Nicholas RA, et al. **J Biol Chem** 1985 May 25;260(10):6394–7

Ticarcillin/clavulanic acid pharmacokinetics in children and young adults with cystic fibrosis. Jacobs RF, et al. **J Pediatr** 1985 Jun;106(6):1001–7

Absorption of oral penicillin before and after gastroplasty for morbid obesity. Miskowiak J, et al. **Pharmacology** 1985; 31(2):115–20

Effect of oxygen-carrying resuscitation fluids on the pharmacokinetics of antipyrine, diazepam, penicillin, and sulfamethazine in rats. Kemner JM, et al. **Res Commun Chem Pathol Pharmacol** 1984 Dec; 46(3):381–400

Pharmacokinetic aspects of penicillins, aminoglycosides and chloramphenicol in birds compared to mammals. A review. Dorrestein GM, et al. **Vet Q** 1984 Sep;6(4):216–24 (43 ref.)

Persistence of detectable residues of penicillin and cloxacillin in normal and mastitic quarters following intramammary infusion. Egan J, et al. **Vet Rec** 1985 Apr 20;116(16):436–8

Isolation of labeled lipoprotein from Escherichia coli and Proteus mirabilis after incubation with [14C]penicillin.

Gruner G, et al. **Z Naturforsch [C]** 1985 May-Jun; 40(5-6):415-20

[Transplacental transfer of 5 antibiotics by in vitro human placental perfusion] Akbaraly JP, et al. **Pathol Biol (Paris)** 1985 May;33(5):368-72 (Eng. Abstr.) **(Fre)**

[Distribution of sulfanilamides and penicillins in the blood and organs of rats after their combined administration] Bobrov VI, et al. **Antibiotiki** 1984 Dec;29(12):913-6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of penicillin and nalidixic acid on growth and cell division of Escherichia coli K-12. Hrebenda J, et al. **Acta Microbiol Pol** 1985;34(1):19-24

In vitro antibacterial properties of BRL 36650, a novel 6 alpha-substituted penicillin. Basker MJ, et al. **Antimicrob Agents Chemother** 1984 Nov;26(5):734-40

Suppression of intrinsic resistance to penicillins in Staphylococcus aureus by polidocanol, a dodecyl polyethyleneoxid ether. Bruns W, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):632-9

Involvement of a change in penicillin target and peptidoglycan structure in low-level resistance to beta-lactam antibiotics in Neisseria gonorrhoeae. Dougherty TJ. **Antimicrob Agents Chemother** 1985 Jul; 28(1):90-5

Correlation of the effect of beta-lactamase inhibitors on the beta-lactamase in growing cultures of gram-negative bacteria with their effect on the isolated beta-lactamase. Easton CJ, et al. **Antimicrob Agents Chemother** 1984 Sep; 26(3):358-63

Attenuation of experimental tobramycin nephrotoxicity by ticarcillin. English J, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):897-902

Hydroxylamine technique for in vitro prevention of penicillin inactivation of tobramycin. Falkowski AJ, et al. **Antimicrob Agents Chemother** 1984 Nov;26(5):643-6

In vitro activity of temocillin, a new beta-lactamase-stable penicillin active against enterobacteria. Greenwood D, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):198-200

Reverse inoculum effect in bactericidal activity and other variables affecting killing of group B streptococci by penicillin. Jokipii L, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):948-52

Comparative in vitro activities of temocillin and cefazolin against Klebsiella pneumoniae. Lagast H, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):330-1

Therapeutic relevance of penicillin-induced hypersensitivity of Staphylococcus aureus to killing by polymorphonuclear leukocytes. Lam C, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):149-54

Antimicrobial therapy of experimental meningitis caused by Streptococcus pneumoniae strains with different susceptibilities to penicillin. McCracken GH Jr, et al. **Antimicrob Agents Chemother** 1985 Feb;27(2):141-5

In vitro activities of ureidopenicillins alone and in combination with amikacin and three cephalosporin antibiotics. Moody JA, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):256-9

Effect of temocillin and moxalactam on platelet responsiveness and bleeding time in normal volunteers. Nunn B, et al. **Antimicrob Agents Chemother** 1985 May; 27(5):858-62

The effect of penicillin on skin graft survival in mice. Gończowski L, et al. **Arch Immunol Ther Exp (Warsz)** 1984; 32(3):351-6

In vitro synthesis of peptidoglycan by spheroplasts of Proteus mirabilis grown in the presence of penicillin. Martin HH. **Arch Microbiol** 1984 Nov;139(4):371-5

In vitro effects of ureidopenicillins on human polymorphonuclear leukocytes. Burgaleta C, et al. **Arzneimittelforschung** 1985;35(6):958-60

Solid-state 15N NMR studies of the effects of penicillin on cell-wall metabolism of Aerococcus viridans (Gaffkya homari). Wilson GE Jr, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1006-12

Effects of penicillins on binding of phenytoin to plasma proteins in vitro and in vivo. Arimori K, et al. **Biopharm Drug Dispos** 1984 Jul-Sep;5(3):219-27

Kainic acid and penicillin: differential effects on excitatory and inhibitory interactions in the CA1 region of the hippocampal slice. Aitken PG. **Brain Res** 1985 Jan 28; 325(1-2):261-9

Penicillin induced hyperexcitability in the in vitro hippocampal slice can be unrelated to impairment of somatic inhibition. Avoli M. **Brain Res** 1984 Dec 3; 323(1):154-8

Differences between strychnine and penicillin epileptogenesis suggest a laminar organization of neocortical inhibition. Ebersole JS, et al. **Brain Res** 1985 Aug 12;340(2):390-6

Penicillin-induced epileptic phenomena in the rabbit's neocortex II. Laminar specific generation of interictal spikes after the application of penicillin to different cortical depths. Pockberger H, et al. **Brain Res** 1984 Sep 10; 309(2):261-9

Penicillin-induced epileptic phenomena in the rabbit's neocortex I. The development of interictal spikes after epicortical application of penicillin. Pockberger H, et al. **Brain Res** 1984 Sep 10;309(2):247-60

Lasting functional alteration and imprinting in Tetrahymena cells exposed to antibiotics. Csaba G, et al. **Cell Biol Int Rep** 1985 Jun;9(6):515

Interaction of penicillin and pentobarbital with inhibitory synaptic mechanisms in neocortex. Weiss DS, et al. **Cell Mol Neurobiol** 1984 Dec;4(4):301-17

Augmentation effect of clavulanic acid with penicillin, cephalothin and ticarcillin against Bacteroides fragilis. Bansal MB, et al. **Chemotherapy** 1985;31(3):173-7

Latamoxef in combination with aminoglycosides against Pseudomonas aeruginosa: similarity with ticarcillin. Sears SD, et al. **Chemotherapy** 1985;31(2):102-11

Divergent disk susceptibility of coagulase-negative staphylococci to penicillinase-resistant penicillins and augmentin (amoxycillin/clavulanic acid). Traub WH. **Chemotherapy** 1985;31(2):119-23

A study of antibacterial activity of furbenicillin against beta-lactamase producing gram-negative organisms. Yang YJ, et al. **Chin Med J [Engl]** 1984 May;97(5):345-51

Penicillin-sensitive enzymes in peptidoglycan biosynthesis. Frère JM, et al. **CRC Crit Rev Microbiol** 1985;11(4):299-396 (312 ref.)

In vitro activity of ticarcillin plus clavulanic acid (BRL 28500, 'Timentin') against ticarcillin-resistant gram-negative rods. Chattopadhyay B, et al. **Curr Med Res Opin** 1984;9(3):157-60

Unpredictable interactions between cefotetan and penicillins or aminoglycosides. Barry AL, et al. **Diagn Microbiol Infect Dis** 1984 Sep;2(4):347-51

Temocillin: in vitro activity against 734 selected clinical isolates, including beta-lactamase-producing strains. Fuchs PC, et al. **Diagn Microbiol Infect Dis** 1984 Jan;2(1):55-63

Bacteriostatic and bactericidal activity of penicillins at constant and variable concentrations. Bauernfeind A. **Drugs** 1985;29 Suppl 5:9-14

The activity of temocillin against Enterobacteriaceae, Pseudomonas and Haemophilus influenzae. Chen HY, et al. **Drugs** 1985;29 Suppl 5:85-90

Influence of temocillin on colonisation resistance and consequences for therapy. De Vries-Hospers HG, et al. **Drugs** 1985;29 Suppl 5:227-33

A survey of temocillin sensitivity of strains resistant to newer beta-lactam antibiotics. Focht J, et al. **Drugs** 1985;29 Suppl 5:78-84

In vitro activity of temocillin against gram-negative clinical isolates. Gaya H, et al. **Drugs** 1985;29 Suppl 5:15-7

Comparative in vitro activity of temocillin. Gobernado M, et al. **Drugs** 1985;29 Suppl 5:24-31

In vitro activity of temocillin against Neisseria gonorrhoeae including penicillinase-producing strains. Jephcott AE, et al. **Drugs** 1985;29 Suppl 5:18-23

In vitro combination-effect of temocillin with ticarcillin and aminoglycosides on gram-negative and gram-positive bacteria. Just HM, et al. **Drugs** 1985;29 Suppl 5:74-7

Antibacterial activity of temocillin. Malottke R, et al. **Drugs** 1985;29 Suppl 5:67-73

Temocillin. In vitro activity compared with other antibiotics. Martinez-Beltran J, et al. **Drugs** 1985;29 Suppl 5:91-7

Influence of temocillin on human bowel flora. Mittermayer HW. **Drugs** 1985;29 Suppl 5:43-8

Temocillin. In vitro antibacterial activity. Slocombe B, et al. **Drugs** 1985;29 Suppl 5:49-56

In vitro activity of temocillin against clinical isolates. Van Landuyt HW, et al. **Drugs** 1985;29 Suppl 5:1-8

Temocillin sensitivity of Enterobacteriaceae species resistant to cefotaxime. Verbist L. **Drugs** 1985;29 Suppl 5:38-42

Interpretive criteria for temocillin disk diffusion susceptibility testing. Fuchs PC, et al. **Eur J Clin Microbiol** 1985 Feb; 4(1):30-3

Loss of pili and decreased attachment to human cells by Neisseria meningitidis and Neisseria gonorrhoeae exposed to subinhibitory concentrations of antibiotics. Stephens DS, et al. **Infect Immun** 1984 Nov;46(2):507-13

Recent advances in antimicrobial drugs: the penicillins. Wishart DF. **J Am Vet Med Assoc** 1984 Nov 15; 185(10):1106-8 (22 ref.)

Synergism of PS-5 with penicillins and cephalosporins in antimicrobial activity against beta-lactam-resistant gram-negative microorganisms. Sakamoto M, et al. **J Antibiot (Tokyo)** 1984 Nov;37(11):1414-22

In vitro biological activities of 6-isosteric penicillins and 7-isosteric cephalosporins. Sheehan JC, et al. **J Antibiot (Tokyo)** 1984 Nov;37(11):1441-8

Interaction between penicillin, clindamycin or metronidazole and gentamicin against species of clostridia and anaerobic and facultatively anaerobic gram-positive cocci. Brook I, et al. **J Antimicrob Chemother** 1985 Jan;15(1):31-7

Stimulatory effects of carbenicillin and ticarcillin on the adhesion and spreading of human polymorphonuclear leukocytes. Burgaleta C, et al. **J Antimicrob Chemother** 1985 Jun;15(6):729-36

In-vivo assessment of in-vitro killing patterns of Pseudomonas aeruginosa. Gerber AU, et al. **J Antimicrob Chemother** 1985 Jan;15 Suppl A:201-6

Clavulanic acid/antibiotic ratios [letter] Rolinson GN. **J Antimicrob Chemother** 1985 Feb;15(2):256-7

The effect of varying ratios of ticarcillin to clavulanic acid against gentamicin-resistant and gentamicin-sensitive Enterobacteriaceae [letter] Wheat PF, et al. **J Antimicrob Chemother** 1984 Aug;14(2):195-6

Different staphylococcal species contain various numbers of penicillin-binding proteins ranging from four (Staphylococcus aureus) to only one (Staphylococcus hyicus). Canepari P, et al. **J Bacteriol** 1985 Aug; 163(2):796-8

Penicillin-insensitive incorporation of D-amino acids into cell wall peptidoglycan influences the amount of bound lipoprotein in Escherichia coli. Tsuruoka T, et al. **J Bacteriol** 1984 Dec;160(3):889-94

Influence of non-H-2 genes on the in vivo response to penicillin-treated autologous platelets. Claas FH, et al. **J Immunogenet** 1984 Oct-Dec;11(5-6):319-26

Epileptogenic action of penicillin derivatives: structure-activity relationship. Esplin B, et al. **Neuropharmacology** 1985 Jun;24(6):571-5

Antimicrobial activity of amoxicillin and other penicillins against clinical isolates from bovine udders. Araki S, et al. **Nippon Juigaku Zasshi** 1985 Apr;47(2):321-3

In vitro activity of timentin [letter] Thomas MG, et al. **NZ Med J** 1985 May 22;98(779):403-4

In vitro interaction of penicillins and cephalosporins with human placenta GSH S-transferase. Polidoro G, et al. **Res Commun Chem Pathol Pharmacol** 1984 Dec; 46(3):411-23

In vitro susceptibility of Neisseria gonorrhoeae to cefuroxime, penicillin, and tetracycline in Denmark-1979. Bollerup AC. **Sex Transm Dis** 1984 Oct-Dec;11(4):308-11

Activity of thiamphenicol against Chlamydia trachomatis and Neisseria gonorrhoeae. Ridgway GL, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4 Suppl):432-4

[Identification of beta-lactamases of gram-negative bacteria and antibacterial activity of furbenicillin to this strain of bacteria] Li JT, et al. **Chung Hua I Hsueh Tsa Chih** 1984 Aug;64(8):486-9 (Eng. Abstr.) **(Chi)**

[In vitro study of the effects of a ticarcillin-clavulanic acid combination on Pseudomonas aeruginosa as a function of resistant phenotypes] Thabaut A, et al. **Pathol Biol (Paris)** 1985 May;33(5):408-11 (Eng. Abstr.) **(Fre)**

[6R-[(R)-2-[3-[2-(p-Aminosulfonyl)anilino-4-hydroxy-5 pyrimidinyl]ureido]-2-(4-hydroxyphenyl)acetamido]-peni acid, sodium salt (VX-VC 43), a new broad-spectrum beta-lactam antibiotic. In vitro and in vivo antibiotic activity] Lechner U, et al. **Arzneimittelforsch** 1985; 35(1A):351-5 (Eng. Abstr.) **(Ger)**

[Increased resistance of Staphylococcus aureus strains against frequently used penicillinase-stable penicillins and cephalosporins] Rozgonyi F. **Orv Hetil** 1985 Mar 31; 126(13):763-4, 767-9 (Eng. Abstr.) **(Hun)**

THERAPEUTIC USE

Intensive treatment of pseudomonas chest infection in cystic fibrosis: a comparison of tobramycin and ticarcillin, and netilmicin and ticarcillin. Conway SP, et al. **Acta Paediatr Scand** 1985 Jan;74(1):107-13

Ceftazidime versus tobramycin-ticarcillin in the treatment of pneumonia and bacteremia. Cone LA, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):33-6

Timentin versus piperacillin or moxalactam in the therapy of acute bacterial infections. File TM Jr, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):310-3

Effect of exchange transfusion with an oxygen-carrying resuscitation fluid on the efficacy of penicillin therapy of pneumococcal infection in rats. Hodges GR, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):903-8

Clinical trial of the efficacy and safety of ticarcillin and clavulanic acid. Roselle GA, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):291-6

Response of the acute-phase reactants, C-reactive protein and serum amyloid A protein, to antibiotic treatment of Whipple's disease. Reed JI, et al. **Arthritis Rheum** 1985 Mar;28(3):352-5

A comparison of cephazolin plus metronidazole versus ticarcillin in the prevention of post-operative sepsis following abdominal surgery. Smith S, et al. **Br J Clin Pract** 1985 Jan;39(1):12-3

New antibacterial agents: the role of new penicillins and cephalosporins in the management of infection in granulocytopenic patients. Klastersky J. **Clin Haematol** 1984 Oct;13(3):587-98 (31 ref.)

The use of penicillins in orthopaedic surgery. Cunha BA. **Clin Orthop** 1984 Nov;(190):36-49

Treatment of patients with a history of recurrent tonsillitis due to group A beta-hemolytic streptococci. A prospective randomized study comparing penicillin, erythromycin, and clindamycin. Brook I, et al. **Clin Pediatr (Phila)** 1985 Jun; 24(6):331-6

Comparative evaluation of netilmicin-ticarcillin and tobramycin-ticarcillin in the treatment of serious systemic infections in elderly patients. Jansen W, et al. **Clin Ther** 1984;7(1):112-20

Clinical evaluation of temocillin in urinary tract infections. Asbach HW, et al. **Drugs** 1985;29 Suppl 5:175-7

Temocillin in the treatment of chest infections. Gray JM, et al. **Drugs** 1985;29 Suppl 5:197-200

The treatment of complicated and uncomplicated urinary tract infections with temocillin. Kosmidis J. **Drugs** 1985;29 Suppl 5:172-4

Clinical efficacy, tolerance and pharmacokinetics of temocillin in patients with respiratory tract infections. Legge JS, et al. **Drugs** 1985;29 Suppl 5:118-21

Temocillin in the treatment of serious gram-negative infections. Lindsay G, et al. **Drugs** 1985;29 Suppl 5:191-3

Temocillin treatment of serious infections due to gram-negative bacilli in an intensive care unit. Offenstadt G, et al. **Drugs** 1985;29 Suppl 5:213-20

Therapeutic experience with temocillin in peritonitis. Pfeiffer M, et al. **Drugs** 1985;29 Suppl 5:194–6

Single dose therapy with temocillin in acute gonorrhoea. Reimer G, et al. **Drugs** 1985;29 Suppl 5:210–2

Treatment of severe infections with temocillin. Clinical and bacteriological evaluation. Schulze B, et al. **Drugs** 1985;29 Suppl 5:207–9

Use of temocillin in typhoid fever, hepatobiliary disease and other infections. Tanphaichitra D, et al. **Drugs** 1985;29 Suppl 5:201–5

Potential role of temocillin in the treatment of biliary sepsis. Uwaydah M, et al. **Drugs** 1985;29 Suppl 5:186–90

Temocillin in the treatment of gram–negative septicaemia. Van Landuyt HW, et al. **Drugs** 1985;29 Suppl 5:182–5

Temocillin treatment of gynaecological infections with special reference to blood and tissue concentrations. Weissenbacher ER, et al. **Drugs** 1985;29 Suppl 5:178–81

The place of temocillin in the treatment of hospital infections. Williams JD, et al. **Drugs** 1985;29 Suppl 5:234–9

Therapeutic results and tissue concentrations of temocillin in surgical patients. Wittke RR, et al. **Drugs** 1985;29 Suppl 5:221–6

An overview of the newer antibiotics. del Busto R. **Henry Ford Hosp Med J** 1984;32(2):90–8 (32 ref.)

Penicillins with antipseudomonal activity. Norris SM. **Infect Control** 1985 Apr;6(4):165–8

Recent advances in management of bacterial meningitis in neonates. Klein JO. **Infection** 1984;12 Suppl 1: S44–51 (25 ref.)

Paradoxical effect of penicillin in–vivo [letter] Griffiths LR, et al. **J Antimicrob Chemother** 1985 Apr;15(4):507–8

Intra–incisional penicillin versus cephaloridine [letter] Lindsey D, et al. **J Antimicrob Chemother** 1984 Aug; 14(2):196–7

Penicillin therapy for treatment of experimental endocarditis caused by viridans streptococci in animals. Wilson WR, et al. **J Infect Dis** 1985 Jun;151(6):1028–33

Comparison of cefoperazone sodium vs methicillin, ticarcillin, and tobramycin in treatment of pulmonary exacerbations in patients with cystic fibrosis. Jewett CV, et al. **J Pediatr** 1985 Apr;106(4):669–72

Effect of oral antibiotics and bacterial overgrowth on the translocation of the GI tract microflora in burned rats. Deitch EA, et al. **J Trauma** 1985 May;25(5):385–92

Still more on streptococcal pharyngitis: an important disease with yet unresolved clinical issues [editorial] Fulginiti VA. **JAMA** 1985 Mar 1;253(9):1302

Single–dose therapy for cystitis in women. A comparison of trimethoprim–sulfamethoxazole, amoxicillin, and cyclacillin. Hooton TM, et al. **JAMA** 1985 Jan 18; 253(3):387–90

New antibiotics in the treatment of pelvic infections. Salvio K, et al. **JOGN Nurs** 1984 Sep–Oct;13(5):308–11

Prophylactic antibiotics in recurrent erysipelas [letter] Bitnun S. **Lancet** 1985 Feb 9;1(8424):345

Serious group C streptococcal disease [letter] Millar MR, et al. **Lancet** 1985 Mar 23;1(8430):694–5

Ticarcillin––clavulanic acid (Timentin). **Med Lett Drugs Ther** 1985 Aug 16;27(694):69–70

Controlled trial of ceftazidime vs. ticarcillin and tobramycin in the treatment of acute respiratory exacerbations in patients with cystic fibrosis. Gold R, et al. **Pediatr Infect Dis** 1985 Mar–Apr;4(2):172–7

Chemoprophylaxis of early onset Group B streptococcal disease. Gotoff SP. **Pediatr Infect Dis** 1984 Sep–Oct; 3(5):401–3

Ceftazidime versus tobramycin/ticarcillin in treating hospital acquired pneumonia and bacteremia. Rapp RP, et al. **Pharmacotherapy** 1984 Jul–Aug;4(4):211–5

Complexation versus hemodialysis to reduce elevated aminoglycoside serum concentrations. Schentag JJ, et al. **Pharmacotherapy** 1984 Nov–Dec;4(6):374–80

In vivo influence of three B–lactam antibiotics on the intestinal microflora of man. A preliminary study in gnotobiotic mice. Léonard FC, et al. **Prog Clin Biol Res** 1985;181:279–82

Therapy for nonvenereal treponematoses: review of the efficacy of penicillin and consideration of alternatives. Brown ST. **Rev Infect Dis** 1985 May–Jun;7 Suppl 2:S318–26

Prevention of catheter sepsis by antibiotic bonding. Trooskin SZ, et al. **Surgery** 1985 May;97(5):547–51

Management of community–acquired pneumonia in outpatients. Siegel D. **West J Med** 1985 Jan;142(1):45–8

[Spectinomycin treatment of gonorrhea caused by penicillin–resistant gonococci] Hagdrup H, et al. **Ugeskr Laeger** 1985 May 6;147(19):1533–5 (Eng. Abstr.) **(Dan)**

[Old and new penicillins] Michel MF. **Ned Tijdschr Geneeskd** 1984 Aug 25;128(34):1614–20 **(Dut)**

[Treatment and management in syphilis] Notowicz A. **Ned Tijdschr Geneeskd** 1984 Sep 15;128(37):1775–6 **(Dut)**

[Comparison of various treatments of early syphilis in East Germany using CMT as therapy control] Heise H, et al. **Dermatol Monatsschr** 1985;171(3):167–71 (Eng. Abstr.) **(Ger)**

[Antibiotic therapy of childhood meningitis (letter)] **Orv Hetil** 1984 Dec 30;125(53):3273 **(Hun)**

[Prevention of postoperative infection following cardiac catheterization in pediatric field. Study of air–borne bacteria in X–ray room and evaluation of an antibiotic used for prevention of postoperative infection] Kuno Y, et al. **Jpn J Antibiot** 1984 Oct;37(10):1780–4 (Eng. Abstr.) **(Jpn)**

[Should streptococcal tonsillitis be treated with penicillin? A review of the literature] Madsen S. **Tidsskr Nor Laegeforen** 1985 Apr 30;105(12):818–9 (Eng. Abstr.) **(Nor)**

[Penicillin therapy of neurosyphilis. A treatment which gives treponemicide penicillin concentration levels in the cerebrospinal fluid] Vilming ST, et al. **Tidsskr Nor Laegeforen** 1984 Sep 30;104(27):1919–20 (Eng. Abstr.) **(Nor)**

[Use of semisynthetic penicillins and cephalosporins in trauma and orthopedic patients] Mel'nikova VM, et al. **Antibiotiki** 1984 Aug;29(8):614–5 (Eng. Abstr.) **(Rus)**

[Existence of strains of Meningococcus resistant to penicillin (letter)] Domínguez P, et al. **Med Clin (Barc)** 1985 Apr 6;84(13):543–4 **(Spa)**

TOXICITY

Studies with temocillin in a hamster model of antibiotic–associated colitis. Boon RJ, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):980–1

Studies with temocillin in the hamster model of antibiotic–associated colitis. Boon RJ, et al. **Drugs** 1985;29 Suppl 5:57–63

Temocillin. Summary of safety studies. Cockburn A, et al. **Drugs** 1985;29 Suppl 5:103–5

Penicillin spikes in rats. Limitations of a simple model for the study of anticonvulsants. Golden GT, et al. **Neuropharmacology** 1984 Sep;23(9):1001–7

URINE

Fast atom bombardment mass spectrometry of isoxazolylpenicillins and their metabolites in man. Murai Y, et al. **Chem Pharm Bull (Tokyo)** 1985 Jan;33(1):383–7

PENICILLIUM

A case of invasive penicilliosis in Hong Kong with immunologic evaluation. So SY, et al. **Am Rev Respir Dis** 1985 Apr;131(4):662–5

Fuel chip–induced hypersensitivity pneumonitis caused by penicillium species. van Assendelft AH, et al. **Chest** 1985 Mar;87(3):394–6

Testimony of Menton––apprentice to Urlugaledin, high priest and physician of Babylon. Keene CH. **Pharos** 1985 Summer;48(3):27

CLASSIFICATION

The taxonomic situation in the hyphomycete genera Penicillium, Aspergillus and Fusarium. Samson RA, et al. **Antonie Van Leeuwenhoek** 1984;50(5–6):815–24 (55 ref.)

DRUG EFFECTS

Inhibition of growth and patulin synthesis in Penicillium expansum by potassium sorbate and sodium propionate in culture. Lennox JE, et al. **Appl Environ Microbiol** 1984 Nov;48(5):1031–3

Inhibition by antimicrobial food additives of ochratoxin A production by Aspergillus sulphureus and Penicillium viridicatum. Tong CH, et al. **Appl Environ Microbiol** 1985 Jun;49(6):1407–11

ENZYMOLOGY

Isopenicillin N synthetase of Penicillium chrysogenum, an enzyme that converts delta–(L–alpha–aminoadipyl)–L–cysteinyl–D–valine to isopenicillin N. Ramos FR, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):380–7

Occurrence of multiple forms of alcohol dehydrogenase in Penicillium supplemented with 2,3–butanediol. Langston–Unkefer PJ, et al. **Arch Biochem Biophys** 1984 Sep;233(2):447–56

Adenosinetriphosphate sulfurylase from Penicillium chrysogenum: steady–state kinetics of the forward and reverse reactions, alternative substrate kinetics, and equilibrium binding studies. Seubert PA, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):509–23

Purification and properties of a beta–1,6–glucanase from Penicillium brefeldianum. Schep GP, et al. **Biochem J** 1984 Nov 1;223(3):707–14

Transfer reactions catalyzed by beta–D–xylosidase from Penicillium wortmanni. Deleyn F, et al. **Can J Biochem Cell Biol** 1985 Mar;63(3):204–11

Amino acid sequence and S–S bonds of Penicillium brevicompactum guanyl–specific ribonuclease. Shlyapnikov SV, et al. **FEBS Lett** 1984 Nov 19; 177(2):246–8

APS kinase from Penicillium chrysogenum. Dissociation and reassociation of subunits as the basis of the reversible heat inactivation. Renosto F, et al. **J Biol Chem** 1985 Feb 10; 260(3):1535–44

[Analysis of the guanyl–specific ribonuclease structures in fungi: determination of the amino acid sequence and prediction of the secondary ribonuclease structure in Penicillium brevicompactum] Shliapnikov SV, et al. **Dokl Akad Nauk SSSR** 1985 Mar–Apr;281(1):226–9 **(Rus)**

[Study of the subunit structure of catalase from Penicillium vitale] Gudkova LV, et al. **Ukr Biokhim Zh** 1985 Jul–Aug; 57(4):29–33 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Radial growth rate of soil Micromycetes colonies under different conditions of nitrogen nutrition] Namir KhSh, et al. **Mikrobiologiia** 1985 Jan–Feb;54(1):164–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Evaluation of an indirect hemagglutination inhibition technique for identifying antibody in animals experimentally and naturally exposed to fungi. Thurston JR, et al. **Mycopathologia** 1984 Aug 30;87(1–2):17–21

ISOLATION & PURIFICATION

Progressive disseminated penicilliosis caused by Penicillium marneffei. Report of eight cases and differentiation of the causative organism from Histoplasma capsulatum. Deng ZL, et al. **Am J Clin Pathol** 1985 Sep;84(3):323–7

Mycotic endophthalmitis caused by Penicillium sp. after parenteral drug abuse. Swan SK, et al. **Am J Opnthalmol** 1985 Sep 15;100(3):408–10

Exposures to pathogenetic fungi in a voluntary hospital [letter] Schwartz HJ, et al. **J Allergy Clin Immunol** 1984 Dec;74(6):861

Imported penicilliosis marneffei in the United States: report of a second human infection. Pautler KB, et al. **Sabouraudia** 1984;22(5):433–8

[Analysis of mycoflora in dehydrated semolina for children] Jesenská Z, et al. **Cesk Pediatr** 1985 Apr;40(4):228–31 (Eng. Abstr.) **(Slo)**

METABOLISM

Postharvest production of ochratoxin A by Aspergillus ochraceus and Penicillium viridicatum in barley with different protein levels. Häggblom PE, et al. **Appl Environ Microbiol** 1985 Apr;49(4):787–90

Autoradiographic method to screen for soil microorganisms which accumulate zinc. Zamani B, et al. **Appl Environ Microbiol** 1985 Jan;49(1):137–42

Regulation of metabolism in Penicillium charlesii by organic acids: role of L–tartaric acid. Gander JE, et al. **Curr Top Cell Regul** 1984;24:99–109

Penitricin, a new class of antibiotic produced by Penicillium aculeatum. IV. Biosynthesis. Okuda T, et al. **J Antibiot (Tokyo)** 1985 May;38(5):631–5

Two new inhibitors of phospholipase A2 produced by Penicillium chermesinum. Taxonomy, fermentation, isolation, structure determination and biological properties. Singh PD, et al. **J Antibiot (Tokyo)** 1985 Jun;38(6):706–12

Evidence for two distinct intracellular pools of inorganic sulfate in Penicillium notatum. Hunter DR, et al. **J Bacteriol** 1985 Jun;162(3):881–7

Assimilation of chlorinated alkanes by hydrocarbon–utilizing fungi. Murphy GL, et al. **J Bacteriol** 1984 Dec; 160(3):1171–4

Induction of hyperpyrexia by dihydrocurvularin, a metabolic product of Penicillium gilmanii. Rice FA, et al. **J Pharm Sci** 1984 Dec;73(12):1846–8

Nuclear inheritance of the biosynthesis of cyclopenin and cyclopenol in Penicillium cyclopium. Mohamed ZS, et al. **Z Allg Mikrobiol** 1984;24(9):615–8

Salinity–loving fungi in Egyptian soils. II. Preliminary notes on antibiotics from halophilic Penicillium spp. Radwan SS, et al. **Zentralbl Mikrobiol** 1985;140(2):149–54

[Subchronic toxicity testing of mold–ripened cheese] Schoch U, et al. **Z Lebensm Unters Forsch** 1984 Aug;179(2):99–103 (Eng. Abstr.) **(Ger)**

PENICILLIUM CHRYSOGENUM see under **PENICILLIUM**

PENILE DISEASES

Penile cryptococcosis with review of mycotic infections of penis. Perfect JR, et al. **Urology** 1985 May;25(5):528–31

DIAGNOSIS

Raphe cyst or apocrine cystadenoma of the glans penis [letter] Grosshans EM. **Arch Dermatol** 1984 Oct; 120(10):1279–80

Painless primary herpes. Silber TJ, et al. **J Adolesc Health Care** 1985 Jan;6(1):40–2

Ultrasound diagnosis of tunica albuginea cyst: clinical perspective. Mevorach RA, et al. **Urology** 1985 May; 25(5):551–3

[A case of pseudopriapism: pericavernous hematoma of the penis] Enderli JB, et al. **J Urol (Paris)** 1984;90(2):139–40 (Eng. Abstr.) **(Fre)**

[Status of penis sonography in andrology] Hamm B, et al. **ROFO** 1985 Jul;143(1):49–53 (Eng. Abstr.) **(Ger)**

[Penis deviation] Kelâmi A. **Urologe [A]** 1985 May; 24(3):160–3 (Eng. Abstr.) **(Ger)**

[Tuberculosis of the penis] Llorente Abarca C, et al. **Actas Urol Esp** 1984 Nov–Dec;8(6):497–8 (Eng. Abstr.) **(Spa)**

NEWARK PUBLIC LIBR

DRUG THERAPY

Gonococcal cutaneous abscess [letter] Abdul Gaffoor PM. **Med J Aust** 1984 Dec 8-22;141(12-13):902

ETIOLOGY

Preputial abscesses caused by beta-lactamase-producing gonococci. Neubert U, et al. **Cutis** 1985 Aug;36(2):161-3

Penile ulcer in Crohn's disease. Sumathipala AH. **J R Soc Med** 1984 Nov;77(11):966-7

Balanitis as a fixed drug eruption to tetracycline. Dodds PR, et al. **J Urol** 1985 Jun;133(6):1044-5

Penile gangrene: a complication of secondary hyperparathyroidism from chronic renal failure. Lowe FC, et al. **J Urol** 1984 Dec;132(6):1189-91

Gangrene of the penis as a complication of penile prosthesis. McClellan DS, et al. **J Urol** 1985 May;133(5):862-3

Penile tourniquet injury due to a coil of hair. Sheinfeld J, et al. **J Urol** 1985 Jun;133(6):1042-3

Urethral manipulation syndrome. Description of a new syndrome. Kelâmi A. **Urol Int** 1984;39(6):352-4

[Peno-scrotal lymphedema and primary syphilis] Rommel A, et al. **Ann Dermatol Venereol** 1984;111(12):1103-6 **(Fre)**

IMMUNOLOGY

Mondor's phlebitis of the penis: a study with factor VIII related antigen. Tanii T, et al. **Acta Derm Venereol (Stockh)** 1984;64(4):337-40

METABOLISM

Sclerosing lipogranuloma of the penis: chemical analysis of lipid from the lesional tissue. Nakamura M, et al. **J Urol** 1985 Jun;133(6):1046-8

MICROBIOLOGY

The role of Haemophilus ducreyi in penile ulcers in Bangkok, Thailand. Taylor DN, et al. **Sex Transm Dis** 1984 Jul-Sep;11(3):148-51

OCCURRENCE

Pink pearly papules: an epidemiologic study. Neinstein LS, et al. **J Pediatr** 1984 Oct;105(4):594-5

PATHOLOGY

Pathology quiz case 2. Bowenoid papulosis (BP). Steinman HK. **Arch Dermatol** 1984 Nov;120(11):1508-9, 1511

Depigmentation of the male genitalia. Gaffoor PM. **Cutis** 1984 Nov;34(5):492-4

Median raphe cyst of the penis. Terao Y, et al. **Cutis** 1984 Nov;34(5):495-6

Papulonecrotic tuberculid of the glans penis [letter] Israelewicz S, et al. **J Am Acad Dermatol** 1985 Jun;12(6):1104-6

Cutaneous horns of the penis: an approach to management. Case report and review of the literature. Lowe FC, et al. **J Am Acad Dermatol** 1985 Aug;13(2 Pt 2):369-73

Penile horns: report of 2 cases. Willscher MK, et al. **J Urol** 1984 Dec;132(6):1192-3

[Acquired genital leucokeratosis with epidermolytic hyperkeratosis (letter)] Crovato F, et al. **Ann Dermatol Venereol** 1984;111(10):943-4 **(Fre)**

[Atypical genital necrobiosis lipoidica] Lecroq C, et al. **Ann Dermatol Venereol** 1984;111(8):717-8 **(Fre)**

[Primary tuberculous chancre of the penis with cutaneous verrucous dissemination] Sigal M, et al. **Ann Dermatol Venereol** 1985;112(5):459-62 **(Fre)**

[Granuloma venereum] Kleine W. **Z Hautkr** 1985 Jan;60(1-2):100-2 (Eng. Abstr.) **(Ger)**

[Spontaneous rupture of the tunica albuginea of the corpora cavernosa of the penis] Gonchar MA, et al. **Klin Khir** 1984 Dec;(12):39 **(Rus)**

[Skin lesion in trichomoniasis] Kashchenko VB. **Vestn Dermatol Venerol** 1985 Jan;(1):68-9 (Eng. Abstr.) **(Rus)**

[Pyoderma gangrenosum of the penis] Harto A, et al. **Actas Urol Esp** 1985 May-Jun;9(3):263-6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Penile erection dysfunction: a new field for angiology. Doppler study] Oller Ariño E, et al. **Angiologia** 1985 May-Jun;37(3):120-3 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Circumsion and hygiene [letter]. Webster PB. **Med J Aust** 1985 Feb 4;142(3):237

RADIOGRAPHY

Penile ossification in man. Wespes E, et al. **Eur Urol** 1985;11(1):71-2

SURGERY

Elephantiasis of the penis and scrotum. A review of 350 cases. Dandapat MC, et al. **Am J Surg** 1985 May;149(5):686-90

Tunica vaginalis free graft for the correction of chordee. Perlmutter AD, et al. **J Urol** 1985 Aug;134(2):311-3

Penile curvatures. Horton CE, et al. **Plast Reconstr Surg** 1985 May;75(5):752-9

[Postoperative epidural analgesia in children] Cognard J, et al. **Cah Anesthesiol** 1984 Nov;32(7):551-3 **(Fre)**

[A case of preputial calculi] Hori N, et al. **Hinyokika Kiyo** 1985 Feb;31(2):327-9 (Eng. Abstr.) **(Jpn)**

[Tuberculosis of the penis: report of a case] Ueda H, et al. **Hinyokika Kiyo** 1984 Oct;30(10):1485-8 (Eng. Abstr.) **(Jpn)**

[Early surgical treatment in rupture of the corpus cavernosum of the penis] Navalón Verdejo P, et al. **Arch Esp Urol** 1984 Nov-Dec;37(6):481-3 (Eng. Abstr.) **(Spa)**

THERAPY

Hands off the prepuce [letter] Pfaff G, et al. **Lancet** 1984 Oct 13;2(8407):874-5

PENILE INDURATION

CHEMICALLY INDUCED

[Beta blockaders and penile fibrosis, pulmonary fibrosis and positive antinuclear factor] Husebye E, et al. **Tidsskr Nor Laegeforen** 1985 May 20;105(14):972-4 (Eng. Abstr.) **(Nor)**

CLASSIFICATION

[Classification of plastic penile induration (Peyronie's disease)] Aith G. **Wien Klin Wochenschr** 1984 Dec 7;96(23):854-7 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Urethral manipulation syndrome. Description of a new syndrome. Kelâmi A. **Urol Int** 1984;39(6):352-4

DIAGNOSIS

Penile thrombophlebitis as a presenting manifestation of pancreatic carcinoma. Horn AS, et al. **Am J Gastroenterol** 1985 Jun;80(6):463-5

Ultrasound imaging of the corpora cavernosa after priapism. Hamm B, et al. **Eur Urol** 1985;11(3):210-1

DRUG THERAPY

[Orgotein iontophoresis in the therapy of induratio penis plastica] Schieroni MP, et al. **Minerva Med** 1985 May 31;76(22-23):1085-8 (Eng. Abstr.) **(Ita)**

[Conservative treatment of Peyronie's disease with vitamin E and hydrocortisone] Novak GIa. **Vestn Dermatol Venerol** 1984 Aug;(8):63-8 (Eng. Abstr.) **(Rus)**

HISTORY

[Historical considerations on La Peyronie's disease. Very little has changed!] Jolidon C, et al. **J Urol (Paris)** 1984;90(5):365-6 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

The uses of corpus cavernosography. A review. Gray R, et al. **J Can Assoc Radiol** 1984 Dec;35(4):338-42

RADIOTHERAPY

Radiation therapy for Peyronie's disease: is there a place? Carson CC 3d, et al. **J Urol** 1985 Oct;134(4):684-6

On the therapy of induratio penis plastica (Peyronies disease) by means of radium moulages. Alth G, et al. **Strahlentherapie** 1985 Jan;161(1):30-4

[Laser therapy in Peyronie's disease] Puente de la Vega A, et al. **Actas Urol Esp** 1985 Jan-Feb;9(1):107-8 (Eng. Abstr.) **(Spa)**

SURGERY

Nesbit's operation for Peyronie's disease. Lemberger RJ, et al. **Br J Urol** 1984 Dec;56(6):721-3

New operation for 'krummerik' (penile curvature). Ebbehøj J, et al. **Urology** 1985 Jul;26(1):76-8

New surgical treatment for Peyronie disease. Essed E, et al. **Urology** 1985 Jun;25(6):582-7

Use of Dacron patch graft in Peyronie disease. Schiffman ZJ, et al. **Urology** 1985 Jan;25(1):38-40

THERAPY

The use of collagenase in the treatment of Peyronie's disease. Gelbard MK, et al. **J Urol** 1985 Aug;134(2):280-3

PENILE NEOPLASMS

A technique of ilioinguinal lymph node dissection for carcinoma of the penis. Whitmore WF Jr, et al. **Surg Gynecol Obstet** 1984 Dec;159(6):573-8

DRUG THERAPY

An appraisal of the efficacy of bleomycin in epidermoid carcinoma of the penis. Ahmed T, et al. **Anticancer Res** 1984 Jul-Oct;4(4-5):289-92

Self-treatment of condylomata acuminata with podophyllin resin. Maiti H, et al. **Practitioner** 1985 Jan;229(1399):37-9

ETIOLOGY

Increased risk of cervical neoplasia in consorts of men with penile condylomata acuminata. Campion MJ, et al. **Lancet** 1985 Apr 27;1(8435):943-6

HPV-16-related Bowenoid papulosis [letter] Hauser B, et al. **Lancet** 1985 Jul 13;2(8446):106

MORTALITY

[Clinicostatistical study of penile carcinoma] Kawano A, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Mar;76(3):392-400 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Circumcision and the risk of cancer of the penis [letter] Swafford TD. **Am J Dis Child** 1985 Feb;139(2):112

Carcinoma of skin of penis. Onuigbo WI. **Br J Urol** 1985 Aug;57(4):465-6

Carcinoma of the penis in Uganda. Owor R. **IARC Sci Publ** 1984;(63):493-7

Pink pearly papules: an epidemiologic study. Neinstein LS, et al. **J Pediatr** 1984 Oct;105(4):594-5

[Cancer of the penis: study of its geographic pathology in the State of Bahia, Brazil] Barbosa Júnior A de A, et al. **Rev Saude Publica** 1984 Dec;18(6):429-35 (Eng. Abstr.) **(Por)**

PATHOLOGY

Epidermotropic urothelial carcinoma involving the glans penis. Metcalf JS, et al. **Arch Dermatol** 1985 Apr;121(4):532-4

Epithelioid hemangioma of the penis. A rare and distinctive vascular lesion. Srigley JR, et al. **Arch Pathol Lab Med** 1985 Jan;109(1):51-4

Penile carcinoma in the first decade of life. Narasimharao KL, et al. **Br J Urol** 1985 Jun;57(3):358

The treatment of bilateral ulcerated lymph node metastases from carcinoma of the penis. A case report. Abratt RP. **Cancer** 1984 Oct 15;54(8):1720-2

Pseudoepitheliomatous, keratotic, and micaceous balanitis. Bargman H. **Cutis** 1985 Jan;35(1):77-9

Primary lymphoma of the penis. Stewart AL, et al. **Eur J Surg Oncol** 1985 Jun;11(2):179-81

Value and role of percutaneous regional node aspiration cytology in the management of penile carcinoma. Luciani L, et al. **Eur Urol** 1984;10(5):294-302

Os penis. Villani U, et al. **Eur Urol** 1984;10(6):420-2

Inflammatory fibrous histiocytoma of the penis. Fletcher CD, et al. **Histopathology** 1984 Nov;8(6):1079-84

Genital Paget's disease and urinary tract malignancy. Powell FC, et al. **J Am Acad Dermatol** 1985 Jul;13(1):84-90

Neurofibroma involving the penis in a child. Dwosh J, et al. **J Urol** 1984 Nov;132(5):988-9

Verrucous carcinoma of the penis. Johnson DE, et al. **J Urol** 1985 Feb;133(2):216-8

Kaposi sarcoma limited to glans penis. Conger K, et al. **Urology** 1985 Aug;26(2):173-5

Fibrous histiocytoma of penis. Kinoshita H, et al. **Urology** 1985 May;25(5):544-6

Regional node aspiration cytology in staging penile cancer [letter] Luciani L, et al. **Urology** 1985 Apr;25(4):432-3

Glomus tumor of glans penis. Macaluso JN Jr, et al. **Urology** 1985 Apr;25(4):409-10

Multicentric basal cell carcinoma of penile skin. Peison B, et al. **Urology** 1985 Mar;25(3):322-3

[2 rare nonepithelial benign tumors of the penis] Hey A. **Pathologe** 1984 Oct;5(5):286-8 **(Ger)**

[Malignant melanoma of the penile fossa navicularis] Lüchtrath H, et al. **Urologe [Ausg A]** 1984 Sep;23(5):285-7 (Eng. Abstr.) **(Ger)**

[Hemo-lymphangioma of the scrotum and penis] Izumi T, et al. **Hinyokika Kiyo** 1985 Jan;31(1):159-64 (Eng. Abstr.) **(Jpn)**

[Leiomyoma of the prepuce. Presentation of a case] Salas Molina J, et al. **Actas Urol Esp** 1985 May-Jun;9(3):267-8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Penile carcinoma. Srinivas V, et al. **Hosp Pract [Off]** 1985 Jan 15;20(1):154-5, 158-9

RADIOTHERAPY

Interstitial radiation therapy for carcinoma of the penis using iridium 192 wires: the Henri Mondor experience (1970-1979). Mazeron JJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1891-5

[Treatment, by 192-iridium curietherapy, of epitheliomas of the penis. Apropos of 36 cases] Ardiet JM, et al. **J Urol (Paris)** 1984;90(8-9):557-61 (Eng. Abstr.) **(Fre)**

[A new mold of foam rubber for radiotherapy of penis cancer] Takahashi I, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Feb 25;45(2):373-8 (Eng. Abstr.) **(Jpn)**

SECONDARY

Metastatic prostate carcinoma manifesting as penile nodules. Powell FC, et al. **Arch Dermatol** 1984 Dec;120(12):1604-6

Metastases to the penis from renal cell carcinoma. Ali Khan S, et al. **Int Urol Nephrol** 1984;16(4):323-5

Secondary malignancies of the penis and epididymis: a case report and review of the literature. Powell BL, et al. **J Clin Oncol** 1985 Jan;3(1):110-6 (73 ref.)

Priapism as the presenting feature of renal cell carcinoma. Sarma DP, et al. **J Surg Oncol** 1985 Feb;28(2):103-7

Secondary carcinoma of the penis. Bosch PC, et al. **J Urol** 1984 Nov;132(5):990-1

Four cases of metastases to the penis and a review of the literature. Robey EL, et al. **J Urol** 1984 Nov;132(5):992-4 (36 ref.)

Case profile: priapism secondary to metastatic adenocarcinoma of rectum. Cherrie RJ, et al. **Urology** 1985 Jun;25(6):655

Carcinoma of prostate metastatic to penis. Mugharbil ZH, et al. **Urology** 1985 Mar;25(3):314-5

Sacrococcygeal chordoma metastatic to penis. Saltzman B, et al. **Urology** 1985 May;25(5):541-3

[Metastatic tumors of the penis: apropos of a case] Gutiérrez del Pozo R, et al. **Actas Urol Esp** 1984 Jul-Aug;8(4):335-6 (Eng. Abstr.) **(Spa)**

SURGERY

Treatment of large condylomata of the penis with the neodymium-YAG-laser. Bahmer FA, et al. **Acta Derm Venereol (Stockh)** 1984;64(4):361-3

A successful case of urethral reconstruction in a child with persistent urethral bleeding due to an extensive cavernous haemangioma. Maeda K. **Br J Plast Surg** 1984 Oct;37(4):536-8

Amputation of the penis. A useful appliance to assist micturition. O'Malley VP. **Br J Urol** 1985 Jun;57(3):361-2

Long-term survival of patient with carcinoma of penis. Yaxley RP. **Br J Urol** 1984 Apr;56(2):226-7

Cancer of the penis. Prognosis and treatment plans. Fraley EE, et al. **Cancer** 1985 Apr 1;55(7):1618-24

Radical surgery with myocutaneous flap for advanced penile carcinoma: case report. Iwata S, et al. **Hinyokika Kiyo** 1984 Dec;30(12):1873-8

Cryotherapy for lentigo maligna [letter] Burge SM, et al. **J Dermatol Surg Oncol** 1984 Nov;10(11):910

Tumor conference 54. Laser treatment of penile hemangiomas. Kopf AW, et al. **J Dermatol Surg Oncol** 1985 Jan;11(1):20-2

Microscopically controlled surgery in the treatment of carcinoma of the penis. Mohs FE, et al. **J Urol** 1985 Jun;133(6):961-6

The use of the Nd:YAG laser in urology. Stein BS, et al. **Lasers Surg Med** 1985;5(2):129-32

CO2 laser surgery in urology. Finkelstein LH. **Surg Clin North Am** 1984 Oct;64(5):913-30

Management of regional lymph nodes in penile carcinoma. Five-year results following therapeutic groin dissections. Johnson DE, et al. **Urology** 1984 Oct;24(4):308-11

Complications of groin dissection in penile cancer. Experience with 101 lymphadenectomies. Johnson DE, et al. **Urology** 1984 Oct;24(4):312-4

Carbon dioxide laser treatment of external genital lesions. Rosemberg SK. **Urology** 1985 Jun;25(6):555-8

[Cancer of the penis--a clinical analysis of 145 cases] Lou RC. **Chung Hua Chung Liu Tsa Chih** 1984 May;6(3):223-5 (Eng. Abstr.) **(Chi)**

[Clinical analysis of carcinoma of the penis in 200 cases] Huang ZF, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Jan;23(1):46-8, 64 (Eng. Abstr.) **(Chi)**

[Carcinoma of the penis: our current therapeutic attitude] Pegoraro V, et al. **Chir Ital** 1982 Dec;34(6):963-71 (Eng. Abstr.) **(Ita)**

THERAPY

Reappraisal of the role of radiotherapy and surgery in the management of carcinoma of the penis. el-Demiry MI, et al. **Br J Urol** 1984 Dec;56(6):724-8

Combined bleomycin and radiation therapy in carcinoma of the penis. Edsmyr F, et al. **Cancer** 1985 Sep 15;56(6):1257-63

Intralesional administration of large doses of human leukocyte interferon for the treatment of condylomata acuminata. Geffen JR, et al. **J Infect Dis** 1984 Oct;150(4):612-5

PENIS

see related

CIRCUMCISION

Koro and psychosis. Ang PC, et al. **Br J Psychiatry** 1984 Sep;145:335

Koro-like symptom in a non-Chinese subject. Berrios GE, et al. **Br J Psychiatry** 1984 Sep;145:331-4

Fournier's gangrene. Joo P, et al. **Can J Surg** 1985 Mar;28(2):180-2

The transferable penis and the self representation. Soll MH. **Int J Psychoanal Psychother** 1984-85;10:473-93

Early problems encountered with the Mentor inflatable penile prosthesis. Fein RL, et al. **J Urol** 1985 Jul;134(1):62-4

The inflatable penile prosthesis: the case for the medical device data base. Furlow WL. **J Urol** 1985 Jan;133(1):72

Re: Multiple fractures of the silver wire strands as a complication of the silicone-silver wire prosthesis [letter] Jonas U. **J Urol** 1985 Apr;133(4):687

Gangrene of the penis as a complication of penile prosthesis. McClellan DS, et al. **J Urol** 1985 May;133(5):862-3

Re: Ability of the inflatable penile prosthesis to withstand rapid changes in altitude [letter] Merrill DC. **J Urol** 1985 Jul;134(1):155

Ability of the inflatable penile prosthesis to withstand rapid changes in altitude. Murphy BP, et al. **J Urol** 1984 Nov;132(5):1054-5

The effect of five synthetic progestational compounds on 5 alpha-reductase activity in genital skin fibroblast monolayers. Dean HJ, et al. **Steroids** 1984 Jan;43(1):13-24

Case profile: penile necklace. Gelister JS. **Urology** 1985 Jul;26(1):81

Care of uncircumcised children. Fox GN. **West J Med** 1985 Feb;142(2):270-2

[Artificial penile nodules (tancho nodules) in Southeast Asian men] Bork K, et al. **Hautarzt** 1985 Jun;36(6):354-5 (Eng. Abstr.) **(Ger)**

[Psychodynamics of the wish for a penis prosthesis] Rentrop E. **Z Psychosom Med Psychoanal** 1984;30(4):386-93 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Micropenis: gender, erotosexual coping strategy, and behavioral health in nine pediatric cases followed to adulthood. Money J, et al. **Compr Psychiatry** 1985 Jan-Feb;26(1):29-42

A case of pseudodiphallia. Mizoguchi H, et al. **Eur Urol** 1984;10(4):282-3

A clinical syndrome of mild androgen insensitivity. Migeon CJ, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):672-8

Endocrine and biochemical studies in a 46,XY phenotypically male infant with 17-ketosteroid reductase deficiency. Ulloa-Aguirre A, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):639-43

A technique for the correction of penoscrotal fusion. Redman JF. **J Urol** 1985 Mar;133(3):432-3

Reproductive tract anomalies in 2 male cats. Hakala JE. **Mod Vet Pract** 1984 Aug;65(8):629

Complete penoscrotal transposition. Cohen-Addad N, et al. **Urology** 1985 Aug;26(2):149-52

Urethral advancement in management of penoscrotal transposition. Lockhart JL, et al. **Urology** 1985 Apr;25(4):371-3

[Faciodigitogenital syndrome (Aarskog's syndrome)] Schrander-Stumpel CT, et al. **Ned Tijdschr Geneeskd** 1985 Apr 13;129(15):684-8 (Eng. Abstr.) **(Dut)**

[Early treatment of congenital hypoplasia of the penis with intramuscular delayed-action testosterone] Landier F, et al. **Arch Fr Pediatr** 1984 Aug-Sep;41(7):467-71 (Eng. Abstr.) **(Fre)**

[Micropenis. Results of treatment with testosterone] Vanelli M, et al. **Arch Fr Pediatr** 1984 Aug-Sep;41(7):473-6 (Eng. Abstr.) **(Fre)**

[Correction of idiopathic juvenile penis deviation with the modified Nesbit operation] Brandl H, et al. **Urologe [A]** 1985 May;24(3):164-6 (Eng. Abstr.) **(Ger)**

[Penis deviation] Kelâmi A. **Urologe [A]** 1985 May;24(3):160-3 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of hypospadias and penis hypoplasia] Hinkel GK. **Z Arztl Fortbild (Jena)** 1984;78(22):953-7 **(Ger)**

[Congenital absence of the penis] Shperber Y, et al. **Harefuah** 1985 Jan 15;108(2):70-2 (Eng. Abstr.) **(Heb)**

ANALYSIS

Testosterone receptors in corpora cavernosa of penis. Godec CJ, et al. **Urology** 1985 Sep;26(3):237-9

ANATOMY & HISTOLOGY

Anthropometric study of male external genitalia of 320 healthy Nigerian adults. Ajmani ML, et al. **Anthropol Anz** 1985 Jun;43(2):179-86

Characteristics of the male genitalia in the newborn: penis. Ben-Ari J, et al. **J Urol** 1985 Sep;134(3):521-2

BLOOD SUPPLY

Anatomic study of the veins and the arteries of the penis of the camel (Camelus dromedarius). Gilanpour H. **Anat Histol Embryol** 1984 Dec;13(4):351-9

Revascularization of the cavernous body in vasculogenic sexual male impotence with a new microsurgical technique. Crespo E, et al. **Cardiovasc Res Cent Bull** 1983 Oct-Dec;22(2):29-49

Cavernometry-cavernography: its role in organic impotence. Wespes E, et al. **Eur Urol** 1984;10(4):229-32

A study of penile circulation before and after radiation in patients with prostate cancer and its effect on impotence. Mittal B. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1121-5

Dynamic cavernosography: venous outflow studies of cavernous bodies. Porst H, et al. **J Urol** 1985 Aug;134(2):276-9

Venous leakage: surgical treatment of a curable cause of impotence. Wespes E, et al. **J Urol** 1985 May;133(5):796-8

The use of autologous 111In-labelled platelets and scintigraphy to illustrate enhanced platelet activity during erection in the chacma baboon. Dormehl IC, et al. **Nuklearmedizin** 1984 Dec;23(6):331-2

Vascular impotence: therapeutic procedures of penile revascularization. Giordanengo F, et al. **Panminerva Med** 1985 Jan-Mar;27(1):11-3

Vasculogenic impotence evaluated by high-resolution ultrasonography and pulsed Doppler spectrum analysis. Lue TF, et al. **Radiology** 1985 Jun;155(3):777-81

Evaluation of arteriogenic impotence with intracorporeal injection of papaverine and the duplex ultrasound scanner. Lue TF, et al. **Semin Urol** 1985 Feb;3(1):43-8

Investigation of the venous system in impotence of vascular origin. Delcour C, et al. **Urol Radiol** 1984;6(3-4):190-3

Difficulties in Doppler auscultation of cavernous arteries of penis. Reiss HF. **Urology** 1985 Sep;26(3):222-6

A new device for measuring penile rigidity. Virag R, et al. **Urology** 1985 Jan;25(1):80-1

[Peyronie's disease. Hemodynamic and morphological conditions and treatment. Apropos of 14 cases] Virag R, et al. **Ann Urol (Paris)** 1984 Jun-Jul;18(4):258-62 (Eng. Abstr.) **(Fre)**

[Revascularization surgery versus prosthetic surgery in vascular impotence. Indications, operative methods, after care] Porst H, et al. **Helv Chir Acta** 1984 Oct;51(3-4):369-74 (Eng. Abstr.) **(Fre)**

[Preliminary results 6 months after embolization of the deep dorsal vein of the penis in erectile insufficiencies of venous origin (letter)] Maiza D, et al. **J Mal Vasc** 1984;9(4):327 **(Fre)**

[Radiologic and hemodynamic studies of sexual impotence of vascular origin] Delcour C, et al. **J Radiol** 1984 Nov;65(11):761-5 (Eng. Abstr.) **(Fre)**

[Recent attainments in the field of impotence. II - Venous, neuropathic and endocrine impotence and the strategy for its exploration] Buvat J, et al. **LARC Med** 1984 Aug-Sep;4(7):433-9 (Eng. Abstr.) **(Fre)**

[Penile revascularization surgery in vascular impotence] Porst H, et al. **Urologe [Ausg A]** 1984 Sep;23(5):258-66 (Eng. Abstr.) **(Ger)**

[Penile revascularization in the treatment of vasculogenic sexual impotence] Puech-Leão P, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Jan-Feb;39(1):23-5 (Eng. Abstr.) **(Por)**

[Role of hemodynamic factors in potency disorders in men] Gorpinchenko II, et al. **Urol Nefrol (Mosk)** 1984 Nov-Dec;(6):47-9 (Eng. Abstr.) **(Rus)**

[Surgical treatment of organic impotence caused by venous drainage] Wespes E, et al. **Arch Esp Urol** 1984 Dec;37 Suppl 2:761-6 **(Spa)**

CYTOLOGY

Penile glycogenated epithelial cells as an indicator of recent vaginal intercourse. Randall B, et al. **Am J Clin Pathol** 1985 Oct;84(4):524-9

DRUG EFFECTS

Cardiovascular effects of ketamine given to relieve penile turgescence after high doses of fentanyl. Roy R. **Anesthesiology** 1984 Nov;61(5):610-3

About pharmacologically induced prolonged erection [letter] Virag R. **Lancet** 1985 Mar 2;1(8427):519-20

Reproductive physiology and behavior in the male rat following acute and chronic peripheral adrenergic depletion by guanethidine. Stefanick ML, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):55-63

Effect of apomorphine, a dopamine receptor agonist, on penile tumescence in normal subjects. Lal S, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984;8(4-6):695-9

[Vasoactive intestinal polypeptide and sexual function: inhibition of motility in the fallopian tubes and uterus. Positive role in penile erection] Fahrenkrug J, et al. **Lakartidningen** 1985 Jan 30;82(5):302-3 **(Swe)**

EMBRYOLOGY

Histological development of the paracloacal vascular body in the male embryo of muscovy duck, Cairina moschata. Fujimura H, et al. **Nippon Juigaku Zasshi** 1984 Jun;46(3):291-6

[Organotypic culture of the genital tubercle of the fetal rat: induction of the os penis by testosterone] Murakami R, et al. **C R Soc Biol (Paris)** 1984;178(5):576-9 (Eng. Abstr.) **(Fre)**

INJURIES

Fracture of the penis. Naraynsingh V, et al. **Br J Surg** 1985 Apr;72(4):305-6

Unusual snowmobile injury of the penis: a case report. Okafo BA, et al. **Can J Surg** 1984 Nov;27(6):615-6

Penoplasty for buried penis secondary to 'radical' circumcision. Radhakrishnan J, et al. **J Pediatr Surg** 1984 Dec;19(6):629-31

Scrotal reconstruction following an avulsion injury. Reid CF, et al. **J Urol** 1985 Apr;133(4):881-2

Fractures of the penis seen in Abu Dhabi. Al Saleh BM, et al. **J Urol** 1985 Aug;134(2):274-5

Penile tourniquet injury due to a coil of hair. Sheinfeld J, et al. **J Urol** 1985 Jun;133(6):1042-3

Penile denudation injuries after circumcision. Sotolongo JR Jr, et al. **J Urol** 1985 Jan;133(1):102-3

Hair strangulation of the glans penis. McClure WJ, et al. **Plast Reconstr Surg** 1985 Jul;76(1):120-3

Traumatic rupture of corpus cavernosum. Joos H, et al. **Urol Int** 1985;40(3):128-31

Vacuum cleaner injury to penis: a common urologic problem? Benson RC Jr. **Urology** 1985 Jan;25(1):41-4

WARK PUBLIC LIBRAR

Rattlesnake bite of glans penis. Crane DB, et al. **Urology** 1985 Jul;26(1):50-2

Neonatal genital trauma. Finan BF, et al. **Urology** 1985 May; 25(5):532-3

Vacuum cleaner injury to penis [letter] Lewi H, et al. **Urology** 1985 Sep;26(3):321

Nonpsychotic genital self-mutilation. Wan SP, et al. **Urology** 1985 Sep;26(3):286-7

[A case of fracture of the penis] Fujisue H, et al. **Hinyokika Kiyo** 1984 Jun;30(6):797-801 (Eng. Abstr.) **(Jpn)**

[Fracture of the penis: a report of four cases] Onishi S, et al. **Hinyokika Kiyo** 1983 Oct;29(10):1301-5 (Eng. Abstr.) **(Jpn)**

[A report of self-amputation of the penis with subsequent complication of myiasis] Tomita M, et al. **Hinyokika Kiyo** 1984 Sep;30(9):1293-6 (Eng. Abstr.) **(Jpn)**

INNERVATION

Caudal or dorsal nerve block? A comparison of two local anaesthetic techniques for postoperative analgesia following day case circumcision. Vater M, et al. **Acta Anaesthesiol Scand** 1985 Feb;29(2):175-9

The value of somatosensory-evoked potentials and bulbocavernosus reflex in patients with impotence. Ertekin C, et al. **Acta Neurol Scand** 1985 Jan;71(1):48-53

A complication of circumcision and dorsal nerve block of the penis. Sara CA, et al. **Anaesth Intensive Care** 1985 Feb; 13(1):79-82

Bladder inhibition by penile electrical stimulation. Nakamura M, et al. **Br J Urol** 1984 Aug;56(4):413-5

Crossing dendrites may be a substrate for synchronized activation of penile motoneurons. Rose RD, et al. **Brain Res** 1985 Jul 1;337(2):373-7

Effect of local alpha-adrenergic blockade on human penile erection. Blum MD, et al. **J Urol** 1985 Sep;134(3):479-81

Beta adrenergic receptors in human cavernous tissue. Dhabuwala CB, et al. **J Urol** 1985 Apr;133(4):721-3

Penile neuropathy in insulin-dependent diabetes mellitus. Lin JT, et al. **J Urol** 1985 Feb;133(2):213-5

Anatomical localization and some pharmacological effects of vasoactive intestinal polypeptide in human and monkey corpus cavernosum. Steers WD, et al. **J Urol** 1984 Nov; 132(5):1048-53

The bulbocavernosus reflex in diabetic impotence. Devathasan G, et al. **Singapore Med J** 1984 Jun;25(3):181-3

Electrostimulation and penile erection. Lue TF, et al. **Urol Int** 1985;40(1):60-4

METABOLISM

Testosterone and dihydrotestosterone levels in epididymis, vas deferens, seminal vesicle and preputial gland of mice after hCG injection. Jean-Faucher C, et al. **J Steroid Biochem** 1985 Aug;23(2):201-5

MICROBIOLOGY

The effect of freezing semen and preputial flushings on subsequent examination for Campylobacter species. Roslanowski K, et al. **Br Vet J** 1985 May-Jun;141(3):269-71

Campylobacter fetus in artificial insemination unit and slaughterhouse bulls in Ontario. Finlay RC, et al. **Can J Comp Med** 1985 Apr;49(2):231-2

A case of histoplasma posthitis. Nayak RG, et al. **Trop Geogr Med** 1984 Sep;36(3):309-11

[Breeding ability of the stallion depending on bacteriological findings] Prilhofer K. **Zentralbl Veterinarmed [B]** 1985 Mar; 32(3):220-7 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Demodex flagellurus sp. n. (Acari: Demodicidae) from the preputial and clitoral glands of the house mouse, Mus musculus L. Bukva V. **Folia Parasitol (Praha)** 1985; 32(1):73-81 passim

PATHOLOGY

Pseudoepitheliomatous, keratotic, and micaceous balanitis. Bargman H. **Cutis** 1985 Jan;35(1):77-9

Primary lymphoma of the penis. Stewart AL, et al. **Eur J Surg Oncol** 1985 Jun;11(2):179-81

Histological changes in the penis of the Chacma baboon--a model to study aging penile vascular impotence. Bornman MS, et al. **J Med Primatol** 1985;14(1):13-8

Neurofibroma involving the penis in a child. Dwosh J, et al. **J Urol** 1984 Nov;132(5):988-9

Parameatal ducts of glans penis. Structure, symptoms, and treatment of uncommon focus of infection. Gilhooly P, et al. **Urology** 1984 Oct;24(4):375-8

PHYSIOLOGY

The use of penile tumescence measures with incarcerated rapists: further validity issues. Murphy WD, et al. **Arch Sex Behav** 1984 Dec;13(6):545-54

The relationship between cognitive and erectile measures of sexual arousal in non-rapist males as a function of depicted aggression. Blader JC, et al. **Behav Res Ther** 1984; 22(6):623-30

Mechanisms underlying electrical and mechanical responses of the bovine retractor penis to inhibitory nerve stimulation and to an inhibitory extract. Byrne NG, et al. **Br J Pharmacol** 1985 May;85(1):149-61

Parameters of erection. Wespes E, et al. **Br J Urol** 1984 Aug; 56(4):416-7

The yawning-penile erection syndrome as a model for putative dopamine autoreceptor activity. Gower AJ, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):81-9

Electrical and mechanical responses of the bovine retractor penis to nerve stimulation and to drugs. Byrne NG, et al. **J Auton Pharmacol** 1984 Dec;4(4):261-71

Comparison of the responses to drugs acting on adrenoreceptors and muscarinic receptors in human isolated corpus cavernosum and cavernous artery. Hedlund H, et al. **J Auton Pharmacol** 1985 Mar;5(1):81-8

Association of spontaneous and dopaminergic-induced yawning and penile erections in the rat. Holmgren B, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):31-5

Sympathetic control of sexual reflexes: peripheral 6-hydroxydopamine administration facilitates the onset of penile reflexes in male rats. Howard SB, et al. **Physiol Behav** 1984 May;32(5):791-4

Elevated thromboxane B2 levels during erection [letter] Bornman MS, et al. **S Afr Med J** 1985 Jun 29;67(26):1040

New method for continuous measurement of nocturnal penile tumescence and rigidity. Bradley WE, et al. **Urology** 1985 Jul;26(1):4-9

Hemodynamics of canine corpora cavernosa during erection. Lue TF, et al. **Urology** 1984 Oct;24(4):347-52

Artificial perfusion in impotence. Newman HF, et al. **Urology** 1984 Nov;24(5):469-71

[Types of vasomotor reactions in the penis] Figar S, et al. **Cas Lek Cesk** 1984 Sep 7;123(36):1117-21 (Eng. Abstr.) **(Cze)**

[Phalloplethysmographic reactions in perpetrators of sexual offenses against adult women] Zvěřina J. **Cas Lek Cesk** 1984 Nov 9;123(45):1381-3 (Eng. Abstr.) **(Cze)**

[The bulbocavernous latency period] Chappel R, et al. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):51-4 (Eng. Abstr.) **(Dut)**

[Evoked responses of the bulbocavernosus reflex: with special reference to its clinical usefulness and problems] Ando M, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Apr; 76(4):528-39 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Preliminary observations of the utility of portable NPT. Procci WR, et al. **Arch Sex Behav** 1984 Dec;13(6):569-80

Nocturnal penile tumescence and penile responses in the waking state in diabetic and nondiabetic sexual dysfunctionals. Zuckerman M, et al. **Arch Sex Behav** 1985 Apr;14(2):109-29

Nocturnal penile tumescent evaluation of erectile function in insulin-dependent diabetic men. Schiavi RC, et al. **Diabetologia** 1985 Feb;28(2):90-4

Assessment of erectile function in diabetic and non-diabetic impotence by simultaneous recording of penile diameter and penile arterial pulse. Bancroft J, et al. **J Psychosom Res** 1985;29(3):315-24

Simultaneous recording of penile diameter and penile arterial pulse during laboratory-based erotic stimulation in normal subjects. Bancroft J, et al. **J Psychosom Res** 1985; 29(3):303-13

Re: Evaluation of the first 70 patients in the Center for Male Sexual Dysfunction of Beth Israel Medical Center [letter] Klein M, et al. **J Urol** 1985 Apr;133(4):687-8

Testicular and sexual function in adults with prune belly syndrome. Woodhouse CR, et al. **J Urol** 1985 Apr; 133(4):607-9

Community hospital's experience with penile prosthesis. Limbert DJ. **Ohio State Med J** 1985 Jan;81(1):53-5

Penile implants in erectile impotence: outcome and prognostic indicators. Berg R, et al. **Scand J Urol Nephrol** 1984;18(4):277-82

Sleep-related electrodermal activity patterns in impotent patients. Ware JC, et al. **Sleep** 1984;7(3):247-54

Bulbocavernosus reflex testing in 100 consecutive cases of erectile dysfunction. Wabrek AJ. **Urology** 1985 May; 25(5):495-8

[Vasomotor activity of the penis in healthy and sexually dysfunctional men] Zvěřina J. **Cas Lek Cesk** 1984 Sep 7; 123(36):1114-6 (Eng. Abstr.) **(Cze)**

[Several factors influencing the male sexual function in patients with atherosclerotic disease] Doko S, et al. **Nippon Geka Gakkai Zasshi** 1984 Nov;85(11):1433-9 (Eng. Abstr.) **(Jpn)**

[The diagnosis of impotence. Report 4. Criteria for assessment of nocturnal penile tumescence] Akazawa S. **Nippon Hinyokika Gakkai Zasshi** 1984 Sep;75(9):1415-22 (Eng. Abstr.) **(Jpn)**

[Evaluation of penile hemodynamics in diagnosing disorders of potency] Gorpinchenko II. **Vrach Delo** 1984 Nov; (11):52-4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The uses of corpus cavernosography. A review. Gray R, et al. **J Can Assoc Radiol** 1984 Dec;35(4):338-42

Anatomy of the penis and its deformities in exstrophy and epispadias. Woodhouse CR, et al. **J Urol** 1984 Dec; 132(6):1122-4

RADIONUCLIDE IMAGING

Isotope phallogram: preliminary communication. Townell NH, et al. **J R Soc Med** 1985 Jul;78(7):562-6

[Penogram of organic and functional impotence performed using a scinticamera system] Yanagimoto S, et al. **Radioisotopes** 1985 Jan;34(1):31-3 **(Jpn)**

SURGERY

Penile dorsal nerve block for penile surgery. Van Zundert A. **Acta Anaesthesiol Belg** 1985 Mar;36(1):41-6

Surgical procedure in congenital curvature of the penis. Ponchietti R, et al. **Acta Eur Fertil** 1984 Jul-Aug; 15(4):301-3

A method of circumcision. Lucas MG. **Br J Urol** 1984 Oct; 56(5):551-3

Mentor inflatable penile prosthesis: clinical experience in 52 patients. Merrill DC. **Br J Urol** 1984 Oct;56(5):512-5

Attitudes of diabetic men after implantation of a semi-rigid penile prosthesis. Peterson HR, et al. **Diabetes Care** 1985 Mar-Apr;8(2):156-60

Artificial urinary sphincter and penile prosthesis surgery: current status. Fallon B, et al. **Iowa Med** 1984 Aug; 74(8):335-8

The surgical management of erectile impotence. Finan BF. **J Arkansas Med Soc** 1985 Jan;81(8):417-20

Adjustment following surgical implantation of a penile prosthesis: a critical overview. Collins GF Jr, et al. **J Sex Marital Ther** 1984 Winter;10(4):255-71 (40 ref.)

Sex therapy and the penile prosthesis: a synthesis. Schover LR, et al. **J Sex Marital Ther** 1985 Spring;11(1):57-66

Penile replantation: current concepts. Carroll PR, et al. **J Urol** 1985 Feb;133(2):281-5

Exstrophy and epispadias. King LR. **J Urol** 1984 Dec; 132(6):1159-60

Tunica vaginalis free graft for the correction of chordee. Perlmutter AD, et al. **J Urol** 1985 Aug;134(2):311-3

Penile curvatures. Horton CE, et al. **Plast Reconstr Surg** 1985 May;75(5):752-9

The Small-Carrion penile prosthesis--local results. Naudé JH. **S Afr Med J** 1985 Feb 16;67(7):256-7

Penile prostheses: semirigid rod penile prostheses. Benson RC Jr. **Semin Urol** 1984 Aug;2(3):152-7

Inflatable penile prostheses. Montague DK. **Semin Urol** 1984 Aug;2(3):145-51

Nuances of distal hypospadias. Gibbons MD. **Urol Clin North Am** 1985 Feb;12(1):169-74

Women's satisfaction with partners' penile implant. Inflatable vs noninflatable prosthesis. Beutler LE, et al. **Urology** 1984 Dec;24(6):552-8

New surgical treatment for Peyronie disease. Essed E, et al. **Urology** 1985 Jun;25(6):582-7

Inflatable penile prosthesis. New device design and patient-partner satisfaction. Furlow WL, et al. **Urology** 1984 Dec;24(6):559-63

Dilamezinsert: aid to semirigid penile prosthesis insertion. Leach GE. **Urology** 1984 Dec;24(6):616-7

Urologic use of the iconoclast. Mackenzie AR, et al. **Urology** 1985 May;25(5):537

Atraumatic color-coded mosquito clamps for inflatable penile prostheses. Reed HM. **Urology** 1984 Dec;24(6):618-9

Bladder exstrophy: penile lengthening procedure. Schillinger JF, et al. **Urology** 1984 Nov;24(5):434-8

[One-stage reconstruction of the penis with free skin flap from the forearm--report of 5 cases] Gao XS. **Chung Hua I Hsueh Tsa Chih** 1984 Aug;64(8):470-3 (Eng. Abstr.) **(Chi)**

[Helicoidal skin graft for reconstruction of the shaft of penis] Rousson B. **Ann Chir Plast Esthet** 1985;30(2):158-60 (Eng. Abstr.) **(Fre)**

[Hydraulic penile prostheses in the surgery of impotence. Our experience in 20 cases with a 2-year follow-up] Rossignol G, et al. **Ann Urol (Paris)** 1985;19(4):248-50 (Eng. Abstr.) **(Fre)**

[Treatment of priapism by a balanocavernous fistula. Apropos of 7 case reports] Maudrux G, et al. **Tunis Med** 1983 Jan-Feb;61(1):61-2 (Eng. Abstr.) **(Fre)**

[Nesbit's operation in congenital curvature of the penis. Notes on the surgical technic] Stagni G, et al. **Acta Biomed Ateneo Parmense** 1984;55(3-4):153-5 (Eng. Abstr.) **(Ita)**

[Preputial plastic surgery creating a two-way sliding rim in the treatment of phimosis] Gaetini AM. **Minerva Pediatr** 1984 Sep 30;36(18):905-7 (Eng. Abstr.) **(Ita)**

[Dermatoplasty after reconstruction of the urethra in hypospadias] Murvanidze DD, et al. **Urol Nefrol (Mosk)** 1985 May-Jun;(3):53-5 **(Rus)**

[The apical meatus in the surgery of hypospadias] Batalla Sabaté L. **Actas Urol Esp** 1985;Spec No:3-8 **(Spa)**

[Urinary incontinence following prostate adenomectomy: perineal plication of the corpus spongiosum (Puigvert's operation)] Virseda JA, et al. **Actas Urol Esp** 1984 Nov-Dec;8(6):461-8 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Morphology of the erect glans penis in rats under various gonadal hormone conditions. Sachs BD, et al. **Anat Rec** 1984 Sep;210(1):45-52

Scanning electron microscopy of celluloid replicas of the penile spines of the domestic cat. Ninomiya H, et al. **Jikken Dobutsu** 1984 Oct;33(4):525-8

NEWARK PUBLIC LIBRARY

PENSIONS

Disability pensions due to peptic ulcer in Germany between 1953 and 1983. Sonnenberg A. **Am J Epidemiol** 1985 Jul; 122(1):106–11

Time for action on pension reform. **Can Dent Assoc J** 1985 Feb;51(2):143–4

Post-retirement benefit increases and the adequacy of benefits in state pension plans. Strate JM. **Gerontologist** 1984 Oct; 24(5):522–9

TEFRA: how it will affect your retirement plan. Gould P. **Indiana Med** 1984 Oct;77(10):793–4

What's new with IRAs? Brown KS. **Mich Med** 1985 Mar; 84(3):188, 190

Will your retirement funds be ready when you are? McCord R. **Mod Vet Pract** 1984 Oct;65(10):800–3

The top-heavy plan rules: what will they do to your retirement plan? Rogers WR Jr, et al. **NC Med J** 1985 Jan;46(1):37–40

Talking with your retirement plan advisor: overcoming the language barrier. Rogers WR Jr, et al. **NC Med J** 1984 Oct;45(10):665–8

Coordinate your pension program with your estate. Kalogredis VJ. **Pa Med** 1985 May;88(5):40

The Retirement Equity AcT of 1984: a review. Donavan ET. **Soc Secur Bull** 1985 May;48(5):38–44

Income of new retired workers by age at first benefit receipt: findings from the New Beneficiary Survey. Maxfield LD. **Soc Secur Bull** 1985 Jul;48(7):7–26

Assets of new retired-worker beneficiaries: findings from the New Beneficiary Survey. Sherman SR. **Soc Secur Bull** 1985 Jul;48(7):27–43

The ultimate tax shelter: pension plans. Glazer MM. **Tex Med** 1984 Aug;80(8):55–8

[Follow-up study of a clientele receiving sick-leave maintenance allowances for limited periods] Jeune B, et al. **Ugeskr Laeger** 1985 Feb 4;147(6):543–6 (Eng. Abstr.) **(Dan)**

[Compensation neurosis: a psychosocial arrangement—II] Schlierf C. **Psychother Psychosom Med Psychol** 1985 Feb; 35(2):41–6 (Eng. Abstr.) **(Ger)**

[Development of protected risk in pensionable disability in relation to new legislative reform] Calcagni C, et al. **Clin Ter** 1985 Jan 31;112(2):169–82 **(Ita)**

PENTACHLOROPHENOL see under **CHLOROPHENOLS**

PENTAERYTHRITOL TETRANITRATE

ANALYSIS

Spectrophotometric determination of pentaerythritol tetranitrate in tablets. Shingbal DM, et al. **J Assoc Off Anal Chem** 1984 Nov–Dec;67(6):1123–4

High-performance liquid chromatographic determination of the nitrate esters isosorbide dinitrate, pentaerythritol tetranitrate, and erythrityl tetranitrate in various tablet forms. Olsen CS, et al. **J Pharm Sci** 1984 Sep;73(9):1303–4

THERAPEUTIC USE

[Efficacy of using vasodilating preparations in latent heart failure in patients with chronic ischemic heart disease] Volkov VS, et al. **Kardiologiia** 1984 Aug;24(8):89–92 (Eng. Abstr.) **(Rus)**

PENTAERYTHRITOL TRINITRATE see under **PROPANEDIOLS**

PENTAGASTRIN

ADMINISTRATION & DOSAGE

[Effects of subcutaneous administration of pentagastrin and duodenal alkalinization on plasma group I pepsinogen (PGI-p) in man] Pustorino S, et al. **Minerva Dietol Gastroenterol** 1985 Apr–Jun;31(2):241–4 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

Role of peptide structure in lipid-peptide interactions: high-sensitivity differential scanning calorimetry and electron spin resonance studies of the structural properties of dimyristoylphosphatidylcholine membranes interacting with pentagastrin-related pentapeptides. Surewicz WK, et al. **Biochemistry** 1985 Jun 18;24(13):3135–44

Role of peptide structure in lipid-peptide interactions: a fluorescence study of the binding of pentagastrin-related pentapeptides to phospholipid vesicles. Surewicz WK, et al. **Biochemistry** 1984 Dec 4;23(25):6072–7

ANTAGONISTS & INHIBITORS

Selective inhibition of pentagastrin- and cholecystokinin-stimulated exocrine secretion by proglumide. Loewe CJ, et al. **Gastroenterology** 1985 Oct; 89(4):746–51

The effect of an octapeptide somatostatin analogue (SMS 201–995) and somatostatin-14 (SST-14) on pentagastrin-stimulated gastric acid secretion: a comparative study in man. Whitehouse I, et al. **Hepatogastroenterology** 1984 Oct;31(5):227–9

DIAGNOSTIC USE

The pentagastrin test in the diagnosis of the carcinoid syndrome. Blockade of gastrointestinal symptoms by ketanserin. Ahlman H, et al. **Ann Surg** 1985 Jan;201(1):81–6

The pentagastrin test in the diagnosis of the carcinoid syndrome. Ahlman H, et al. **J Cardiovasc Pharmacol** 1985; 7 Suppl 7:S86–8

[Changes in the histamine content and morphology of the gastric mucosa in duodenal ulcer after pentagastrin stimulation] Matov V, et al. **Vutr Boles** 1984;23(4):39–42 (Eng. Abstr.) **(Bul)**

METABOLISM

Alterations in the laminar distribution of pentagastrin binding sites in cat visual cortex during postnatal development. Shaw C, et al. **Brain Res** 1985 May;352(1):132–6

PHARMACODYNAMICS

Atropine and naloxone block the colonic contraction elicited by cholecystokinin and pentagastrin. Hellström PM. **Acta Physiol Scand** 1985 May;124(1):25–33

Effect of pentagastrin on gastric mucosal histamine in dogs. Redfern JS, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):G369–75

Pentagastrin stimulates in vitro growth of normal and malignant human colon epithelial cells. Sirinek KR, et al. **Am J Surg** 1985 Jan;149(1):35–9

Comparison of the action of cholinomimetics and pentagastrin on gastric secretion in dogs. Magee DF, et al. **Br J Pharmacol** 1985 Feb;84(2):347–55

The effects of cholecystokinin-octapeptide and pentagastrin on electrical and motor activities of canine colonic circular muscle. Huizinga JD, et al. **Can J Physiol Pharmacol** 1984 Dec;62(12):1440–7

Effect of a protein meal in stomach and jejunum on gastric secretory response to pentagastrin in cats. Fernström M, et al. **Dig Dis Sci** 1985 Sep;30(9):877–83

Calcitonin gene related peptide inhibits basal, pentagastrin, histamine, and bethanecol stimulated gastric acid secretion. Lenz HJ, et al. **Gut** 1985 Jun;26(6):550–5

The responses of duodenal tension receptors in sheep to pentagastrin, cholecystokinin and some other drugs. Cottrell DF, et al. **J Physiol (Lond)** 1984 Sep;354:477–95

Activation of enteric nerve pathways in the guinea-pig duodenum by cholecystokinin octapeptide and pentagastrin. Ngu MC. **J Physiol (Lond)** 1985 Jul;364:31–43

Effect of exogen pentagastrin on mastocyte degranulation, gastric cAMP and intragastric pH in Shay rats. Hierro JH, et al. **Methods Find Exp Clin Pharmacol** 1985 Jan;7(1):9–12

Effect of somatostatin on pentagastrin-stimulated gastric acid secretion and gastric antral motility in dogs with gastric fistula. Bech K, et al. **Scand J Gastroenterol** 1984 Sep; 19(6):740–6

On the mode of action of the pentagastrin test in the carcinoid syndrome. Grönstad KO, et al. **Scand J Gastroenterol** 1985 May;20(4):508–11

[Effect of pentagastrin and cimetidine on gastric protein loss in exudative gastropathies] Florent C, et al. **Gastroenterol Clin Biol** 1985 Jan;9(1):27–30 (Eng. Abstr.) **(Fre)**

[Effect of pentagastrin on the emptying function of the stomach and pyloric sphincter tonus in patients with duodenal ulcer] Saakian AG. **Ter Arkh** 1985;57(2):15–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Cytoprotective effect of pentagastrin and epidermal growth factor on stress ulcer formation. Possible role of somatostatin. Sakamoto T, et al. **Ann Surg** 1985 Mar; 201(3):290–5

PENTAMETHYLENETETRAZOLE see **PENTYLENETETRAZOLE**

PENTAMIDINE see under **AMIDINES**

PENTANES

Comparison of isopentane and isobutane as chemical ionization reagent gases. McGuire JM, et al. **Anal Chem** 1985 Mar;57(3):680–3

ANALYSIS

Assessment of lipid peroxidation in newborn infants and rabbits by measurements of expired ethane and pentane: influence of parenteral lipid infusion. Wispe JR, et al. **Pediatr Res** 1985 Apr;19(4):374–9

BIOSYNTHESIS

Effect of age and ambient temperature on n-pentane production in adult housefly, Musca domestica. Sohal RS, et al. **Mech Ageing Dev** 1985 Mar;29(3):317–26

METABOLISM

Release of ethane and pentane from rat tissue slices: effect of vitamin E, halogenated hydrocarbons, and iron overload. Gavino VC, et al. **Arch Biochem Biophys** 1984 Sep; 233(2):741–7

Pentane formation during the anaerobic reactions of reticulocyte lipoxygenase. Comparison with lipoxygenases from soybeans and green pea seeds. Salzmann U, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):535–42

Studies on pentane evolution by rats treated with nifurtimox or benznidazole. Castro GD, et al. **Toxicology** 1985 Jun 28;35(4):319–26

PENTANOATES see **VALERATES**

PENTANOIC ACIDS see under **VALERATES**

PENTANOLS see **ALCOHOLS, AMYL**

PENTANONES see under **KETONES**

PENTAZOCINE

An acute hypertensive response after intravenous use of a new pentazocine formulation. Reinhart S, et al. **Ann Emerg Med** 1985 Jun;14(6):591–3

A comparison of the analgesic effects of meptazinol and pentazocine following removal of impacted third molars. Griffiths MJ, et al. **Br Dent J** 1985 Jan 5;158(1):19–21

Decline in abuse of pentazocine/tripelennamine (T's and Blues) associated with the addition of naloxone to pentazocine tablets. Poklis A. **Drug Alcohol Depend** 1984 Oct;14(2):135–40

Clinical experience with T's and B's. Senay EC. **Drug Alcohol Depend** 1985 Feb;14(3–4):305–12

Association of infection caused by Pseudomonas aeruginosa serotype O11 with intravenous abuse of pentazocine mixed with tripelennamine. Levin MH, et al. **J Clin Microbiol** 1984 Oct;20(4):758–62

Outbreak of endocarditis caused by Pseudomonas aeruginosa serotype O11 among pentazocine and tripelennamine abusers in Chicago. Shekar R, et al. **J Infect Dis** 1985 Feb; 151(2):203–8

Acute myelopathy in a drug abuser following an attempted neck vein injection [letter] Kishorekumar R, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):843–4

ADMINISTRATION & DOSAGE

Naloxone and pentazocine given after morphine. Cardan E, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:265–70

Pentazocine-tripelennamine ('T's and Blues') substitution studies in morphine-dependent rodents. Tagashira E, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):97–101

Self-administered intravenous analgesia during labour. A comparison between pentazocine and pethidine. Erskine WA, et al. **S Afr Med J** 1985 May 11;67(19):764–7

[Fortral-trichloroethylene analgesia during surgical procedures in patients with stomatological diseases] Starodubtsev VS, et al. **Voen Med Zh** 1985 Apr;(4):71–2 **(Rus)**

ADVERSE EFFECTS

Pentazocine-induced agranulocytosis. Sheehan M, et al. **Can Med Assoc J** 1985 Jun 15;132(12):1401

Pentazocine hampers bile flow [letter] Staritz M, et al. **Lancet** 1985 Mar 9;1(8428):573–4

PHARMACODYNAMICS

Effects of pentazocine and concomitant clonidine on opioid receptors in the rat brain. Ogawa N, et al. **Acta Med Okayama** 1985 Jun;39(3):217–20

Pharmacological study of pentazocine-naloxone combination: interest as a potentially non abusable oral form of pentazocine. Legros J, et al. **Arch Int Pharmacodyn Ther** 1984 Sep;271(1):11–21

Actions of morphine, pethidine and pentazocine on the oestrus and pregnant rat uterus in vitro. Sivalingam T, et al. **Br J Anaesth** 1985 Apr;57(4):430–3

The effects of meptazinol in comparison with pentazocine, morphine and naloxone in a rat model of anaphylactic shock. Paciorek PM, et al. **Br J Pharmacol** 1985 Feb; 84(2):469–75

Premedication of dogs with acepromazine or pentazocine before euthanasia with carbon monoxide. Dallaire A, et al. **Can J Comp Med** 1985 Apr;49(2):171–8

Pentazocine. Goldstein G. **Drug Alcohol Depend** 1985 Feb; 14(3–4):313–23 (57 ref.)

Selective survival in pentazocine and tripelennamine of Pseudomonas aeruginosa serotype O11 from drug addicts. Botsford KB, et al. **J Infect Dis** 1985 Feb;151(2):209–16

Characterization of the interaction of pentazocine and tripelennamine: drug discrimination and mu-receptor binding assay. Shook JE, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):877–81

Effects of concomitant pentazocine and tripelennamine on brain-stimulation reward. Unterwald EM, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):961–4

Cortical and thalamic effects of local application of pentazocine to the rat somatosensory cortex. Soto-Moyano R, et al. **Pharmacol Res Commun** 1984 Feb;16(2):199–205

POISONING

Toxicological and pathological findings in fatalities involving pentazocine and tripelennamine. Monforte JR, et al. **J Forensic Sci** 1983 Jan;28(1):90–101

THERAPEUTIC USE

Respiratory performance after upper abdominal surgery. A comparison of pain relief with intercostal blocks and centrally acting analgesics. Engberg G. **Acta Anaesthesiol Scand** 1985 May;29(4):427–33

Clinically controlled comparative study of suprofen, pentazocine, and placebo. Experience with intramuscular single doses. Bodner E, et al. **Arzneimittelforschung** 1985; 35(4):755–9

Analgesic effect of ceruletide compared with pentazocine in biliary and renal colic: a prospective, controlled, double-blind study. Lishner M, et al. **Drug Intell Clin Pharm** 1985 Jun;19(6):433–6

[Treatment of postoperative pain. Double-blind comparison of diclofenac and pentazocine] Bossi L, et al. **Minerva Anestesiol** 1984 Jul–Aug;50(7–8):373–8 (Eng. Abstr.) **(Ita)**

[Buprenorphine vs pentazocine in treating postoperative pain in gynecological surgery] Romano E, et al. **Minerva Anestesiol** 1984 Nov;50(11):577–80 (Eng. Abstr.) **(Ita)**

PENTETATES see **DTPA**

PENTETRAZOLE see **PENTYLENETETRAZOLE**

PENTHANIL see **DTPA**

PENTHIOBARBITAL see **THIOPENTAL**

PENTOBARBITAL

Circulatory shock following intravenous propoxyphene poisoning. An experimental study of cardiac function and metabolism in pentobarbital-anesthetized pigs. Bredgaard Sørensen M, et al. **Acta Anaesthesiol Scand** 1985 Jan; 29(1):130–6

Comparison of five preanesthetic medicaments in thiopental-anesthetized cats: antagonism by selected compounds. Hatch RC, et al. **Am J Vet Res** 1984 Nov; 45(11):2322–7

Xylazine-pentobarbital anesthesia in dogs and its antagonism by yohimbine. Hsu WH. **Am J Vet Res** 1985 Apr; 46(4):852–5

Effects of atropine on xylazine-pentobarbital anesthesia in dogs: preliminary study. Hsu WH. **Am J Vet Res** 1985 Apr; 46(4):856–8

The pentobarbital anesthetized dog: an animal model for assessing chemically induced changes in renal function and ultrastructure. Koechel DA, et al. **Am J Vet Res** 1984 Dec; 45(12):2565–73

Effect of pentobarbital anesthesia on amikacin concentrations in plasma and perilymph and evaluation of multiple sampling in perilymph of guinea pigs. Desjardins-Giasson S, et al. **Antimicrob Agents Chemother** 1985 May; 27(5):720–3

Cardiac performance of isolated beating hearts obtained from rats anesthetized by three different agents. Sage MD, et al. **Lab Anim Sci** 1985 Apr;35(2):153–5

Effect of pentobarbital dependence on adenylate cyclase activity and calmodulin levels in rat cerebral cortex. Piascik MT, et al. **Life Sci** 1985 Jul 8;37(1):55–62

[Combined injection-inhalation anesthesia for intra-abdominal interventions in the dog in veterinary practice] Weiss EP, et al. **Tierarztl Prax** 1984;12(1):79–83 **(Ger)**

[Effects of anesthetics and measuring techniques on the observed basal myocardial hemodynamics of experimental animals] Shinohara S. **Masui** 1984 Aug;33(8):823–31 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Pentobarbital self-administration in rhesus monkeys: drug concentration and fixed-ratio size interactions. Lemaire GA, et al. **J Exp Anal Behav** 1984 Jul;42(1):37–49

Continuous intraperitoneal infusion of pentobarbital: a model of barbiturate dependence in the rat. Yutrzenka GJ, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):111–8

Intraperitoneal pentobarbitone anaesthesia of Mystromys albicaudatus. Padovan D. **Lab Anim** 1985 Jan;19(1):16–8

ANALYSIS

Fate of sodium pentobarbital in rendered products. O'Connor JJ, et al. **Am J Vet Res** 1985 Aug;46(8):1721–4

ANTAGONISTS & INHIBITORS

Reversal of pentobarbital anesthesia with 4-aminopyridine and yohimbine in cats pretreated with acepromazine and xylazine. Hatch RC, et al. **Am J Vet Res** 1984 Dec; 45(12):2586–90

Meperidine-acepromazine-pentobarbital anesthesia in cats: reversal by 4-aminopyridine and yohimbine. Hatch RC, et al. **Am J Vet Res** 1984 Dec;45(12):2658–62

Antagonism of xylazine-pentobarbital anesthesia by yohimbine in ponies. McGruder JP, et al. **Am J Vet Res** 1985 Jun;46(6):1276–81

Specific antagonism of the behavioral effects of chlordiazepoxide and pentobarbital in the rat. Schechter MD. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(3):359–64

BLOOD

Evaluation of a rapid immunoassay for monitoring serum pentobarbital concentrations. Karnes HT, et al. **Am J Hosp Pharm** 1984 Dec;41(12):2642–6

[Plasma assay of phenobarbital, pentobarbital and penthiobarbital by high performance liquid chromatography] Nicot G, et al. **Therapie** 1984 Jul–Aug; 39(4):361–7 (Eng. Abstr.) **(Fre)**

METABOLISM

Comparative pharmacokinetics and anesthetic effects of methohexital, pentobarbital, thiamylal, and thiopental in Greyhound dogs and non-Greyhound, mixed-breed dogs. Sams RA, et al. **Am J Vet Res** 1985 Aug;46(8):1677–83

Blood versus bone marrow pentobarbital concentrations. Winek CL, et al. **Forensic Sci Int** 1985 Jan;27(1):15–24

Effect of early maternal deprivation on brain 5-HT & pentobarbitone sleeping time in suckling rats. Chakrabarti A, et al. **Indian J Med Res** 1985 Mar;81:286–92

Pharmacokinetics of pentobarbital, quinidine, lidocaine, and theophylline in the thermally injured rat. Fruncillo RJ, et al. **J Pharm Sci** 1984 Aug;73(8):1117–21

Influence of ozone on pentobarbital pharmacokinetics in mice. Graham JA, et al. **Toxicol Lett** 1985 Feb–Mar; 24(2–3):163–70

PHARMACODYNAMICS

Inhibitory effect of pentobarbital anesthesia on venous stasis induced arteriolar vasoconstriction in the dog hindleg. Bülow J, et al. **Acta Physiol Scand** 1984 Nov;122(3):307–11

On the mechanism for enhancement of tumor radiation to hyperbaric oxygen in sodium pentobarbital anesthetized rodents. Biaglow JE, et al. **Adv Exp Med Biol** 1984; 180:301–10

Differential response to ethanol, pentobarbital and morphine in mice selectively bred for ethanol sensitivity. Khanna JM, et al. **Alcohol** 1984 Jan–Feb;1(1):3–7

A genetic analysis of ethanol, pentobarbital, and methyprylon sleep-time response. Howerton TC, et al. **Alcoholism** (NY) 1984 Nov–Dec;8(6):546–50

Pentobarbital effects on plasma catecholamines: temperature, heart rate, and blood pressure. Baum D, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E95–100

Effect of pentobarbital and hemorrhage on renal autoregulation. Kremser PC, et al. **Am J Physiol** 1985 Sep; 249(3 Pt 2):F356–60

Pentobarbital anesthesia suppresses basal and 2-deoxy-D-glucose-stimulated plasma catecholamines. Taborsky GJ Jr, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):R905–10

Response to carbon dioxide after oral midazolam and pentobarbitone. Power SJ, et al. **Anaesthesia** 1984 Dec; 39(12):1183–7

A comparison of local rates of glucose utilization in spinal cord and brain in conscious and nitrous oxide- or pentobarbital-treated rats. Crosby G, et al. **Anesthesiology** 1984 Oct;61(4):434–8

Local cerebral glucose utilization during nitrous oxide and pentobarbital anesthesia in rats. Sakabe T, et al. **Anesthesiology** 1985 Sep;63(3):262–6

An EEG investigation on the role of cerebello-rubral system in the effects of diazepam and pentobarbital. Sagratella S, et al. **Arzneimittelforsch** 1985;35(1A):251–4

Fentanyl, Na-pentobarbital and halothane influence myocardial infarct size. Mergner GW, et al. **Basic Res Cardiol** 1985 May–Jun;80(3):291–302

Acute effects of pentobarbital-anaesthesia on bile secretion. Kuipers F, et al. **Biochem Pharmacol** 1985 May 15; 34(10):1731–6

Purification and characterization of pentobarbital-induced cytochrome P-450BM-1 from Bacillus megaterium ATCC 14581. Schwalb H, et al. **Biochim Biophys Acta** 1985 Mar 8;838(3):302–11

Effects of pentobarbitone on acetylcholine-activated channels in mammalian muscle. Gage PW, et al. **Br J Pharmacol** 1985 May;85(1):229–35

Prolongation of inhibitory postsynaptic currents by pentobarbitone, halothane and ketamine in CA1 pyramidal cells in rat hippocampus. Gage PW, et al. **Br J Pharmacol** 1985 Jul;85(3):675–81

Release of pentobarbital-induced depression of metabolic rate during bilateral ischemia in the gerbil brain. Mršulja BB, et al. **Brain Res** 1984 Aug 20;309(1):152–5

Effect of pentobarbital anesthesia on regional cerebral metabolic rate for glucose during hyperbaric oxygenation in rat. Torbati D. **Brain Res** 1985 Jun 17;336(2):350–3

Interaction of penicillin and pentobarbital with inhibitory synaptic mechanisms in neocortex. Weiss DS, et al. **Cell Mol Neurobiol** 1984 Dec;4(4):301–17

Drug tolerance and detoxicating enzymes in Octodon degus and Wistar rats. A comparative study. Letelier ME, et al. **Comp Biochem Physiol [C]** 1985;80(1):195–8

Lorazepam and pentobarbital discrimination: interactions with CGS 8216 and caffeine. Ator NA, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):169–81

Gastric acid secretion during halothane, chloralose, pentobarbital and etomidate anaesthesia in the pig. Stødkilde-Jørgensen H, et al. **Eur Surg Res** 1985;17(1):33–7

Blocking action of pentobarbital on receptors for excitatory amino acids in the guinea pig hippocampus. Sawada S, et al. **Exp Brain Res** 1985;59(2):226–31

Effect of pentobarbital on neurones in the reticular formation of the brain stem: ionophoretic study in the rat. Pavlásek J, et al. **Gen Physiol Biophys** 1984 Dec;3(6):463–73

Effects of blocking ovulation with pentobarbitone on histochemical features of Graafian follicles in rats. Parshad VR, et al. **Indian J Exp Biol** 1984 Apr;22(4):185–8

Misonidazole neurotoxicity in rats: Part II. Effect of pre- and intermittent treatment with pentobarbital on misonidazole neurotoxicity in the rat. Edwards MS, et al. **J Neurooncol** 1984;2(2):95–8

Methylprednisolone half-life during simultaneous barbiturate treatment and mechanical hyperventilation of neurosurgical patients. Gabrielsen J, et al. **J Neurosurg** 1985 Feb; 62(2):182–5

Behavioral studies with anxiolytic drugs. I. Interactions of the benzodiazepine antagonist Ro 15-1788 with chlordiazepoxide, pentobarbital and ethanol. Barrett JE, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):554–9

Comparison of the effects of diphenylbarbituric acid, phenobarbital, pentobarbital and secobarbital on GABA-mediated inhibition and benzodiazepine binding. Iadarola MJ, et al. **J Pharmacol Exp Ther** 1985 Jan; 232(1):127–33

Effects of pentobarbital on t-[35S]butylbicyclophosphorothionate and [3H]flunitrazepam binding to membrane-bound and solubilized preparations from rat forebrain. Richter JA, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):125–33

Comparison of triazolam and pentobarbital: performance impairment, subjective effects and abuse liability. Roache JD, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):120–33

gamma-Aminobutyric-acid- and pentobarbitone-gated chloride currents in internally perfused frog sensory neurones. Akaike N, et al. **J Physiol (Lond)** 1985 Mar; 360:367–86

Effects of pentobarbital on [3H]diazepam binding in the cerebral cortex, cerebellum and spinal cord of developing rats. Saito K, et al. **Jpn J Pharmacol** 1984 Oct;36(2):262–4

Studies on the effects of felodipine on the vascular resistance and reactivity in pentobarbital anesthetized dogs. Jandhyala BS. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):398–403

gamma-Aminobutyric acid partly mediates the pentobarbitone depression of synaptic excitation in the guinea-pig olfactory cortex in vitro. Steel L, et al. **Neurosci Lett** 1985 May 1;56(1):33–8

Barbiturate-enhanced paired-pulse depression in neonatal rats. Wilson DA, et al. **Neurosci Lett** 1985 May 14; 56(2):101–6

Potentiation of the behavioral effects of pentobarbital, chlordiazepoxide and ethanol by thyrotropin-releasing hormone. Witkin JM, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):809–13

Dose-related effects of pentobarbital on the genetic differences seen between paired, Roman high- or low-avoidance rats in a shuttle box. Driscoll P, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):435–9

Involvement of the serotonergic system in the prolongation of pentobarbital sleeping time produced by prostaglandin D2. Hollingsworth EB, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):365–70

Potentiation of morphine analgesia by subanesthetic doses of pentobarbital. Pontani RB, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):395–8

Involvement of a GABAergic mechanism in the anticonvulsant effect of pentobarbital against maximal electroshock-induced seizures in rats. Rastogi SK, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):141–6

Effect of various central nervous system-acting drugs on ethanol and acetaldehyde metabolism in rats. Hobara N, et al. **Pharmacology** 1985;30(6):333–8

Pentobarbital-induced drinking does not rely on a renal dipsogen. Asin KE, et al. **Physiol Behav** 1985 Jan; 34(1):151–3

The effects of pentobarbital on isolated rabbit vascular smooth muscle. Killam AL, et al. **Proc West Pharmacol Soc** 1984;27:399–402

Sex differences in pentobarbital-induced sleep time. Wollman L. **Psychol Rep** 1985 Feb;56(1):46

Evidence that the selectively bred long- and short-sleep mouse lines display common narcotic reactions to many depressants. Alpern HP, et al. **Psychopharmacology (Berlin)** 1985;85(4):456–9

A conveyor belt task for assessing visuo-motor coordination in the marmoset (Callithrix jacchus): effects of diazepam, chlorpromazine, pentobarbital and d-amphetamine. D'Mello GD, et al. **Psychopharmacology (Berlin)** 1985; 86(1–2):125–31

Effects of thalidomide and pentobarbital on neuronal activity in the preoptic area during sleep and wakefulness in the cat. Kaitin KI. **Psychopharmacology (Berlin)** 1985; 85(1):47–50

Differential sensitivity to ethanol, pentobarbital, and barbital in spontaneously hypertensive and normotensive Wistar-Kyoto rats. Khanna JM, et al. **Psychopharmacology (Berlin)** 1985;86(3):296–301

The effect of pentobarbitone on variable-interval performance: analysis in terms of Herrnstein's equation. Ruddle HV, et al. **Psychopharmacology (Berlin)** 1984; 84(4):520–5

Influence of high-dose pentobarbital on theophylline pharmacokinetics: a case report. Gibson GA, et al.

Ther Drug Monit 1985;7(2):181–4

[Effect of sodium pentobarbital on the number of ova shed in superovulation treated adult rats: relationship between the number of ova shed and dose of GTHs] Kagabu S. **Jikken Dobutsu** 1984 Oct;33(4):497–9 (Eng. Abstr.) **(Jpn)**

[Pre-synaptic inhibition and pentobarbital] Ohmura Y. **Masui** 1985 Jan;34(1):2–8 (36 ref.) **(Jpn)**

POISONING

[Resin hemoperfusion for acute pentobarbital intoxication in rats and rabbits] Lu ZN, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):281–5 (Eng. Abstr.) **(Chi)**

[Resin hemoperfusion for acute pentobarbital poisoning in rats and rabbits] Lu ZN, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):281–5 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Barbiturates for cerebral aneurysm surgery. A review of preliminary results. Belopavlovic M, et al. **Acta Neurochir (Wien)** 1985;76(3–4):73–81

The University of Toronto head injury treatment study: a prospective, randomized comparison of pentobarbital and mannitol. Schwartz ML, et al. **Can J Neurol Sci** 1984 Nov; 11(4):434–40

Pentobarbital coma for treating intractable seizures in a neonate. Welty TE, et al. **Clin Pharm** 1985 May–Jun; 4(3):330–2

Failure of prophylactic barbiturate coma in the treatment of severe head injury. Ward JD, et al. **J Neurosurg** 1985 Mar;62(3):383–8

Global incomplete ischemia in dogs assessed by quantitative EEG analysis. Effects of hypnotics and flunarizine. Wauquier A, et al. **Prog Brain Res** 1984;62:217–33

Stranded whales [letter] Rowell SF. **Vet Rec** 1985 Feb 9; 116(6):167

[Acetylcholinesterase activity in blood plasma and various regions of the central nervous system of rats poisoned with lindane. Effect of sodium pentobarbital] Muñoz–Blanco J, et al. **Rev Esp Fisiol** 1985 Mar;41(1):89–93 (Eng. Abstr.) **(Spa)**

TOXICITY

Dopamine reverses cardiovascular depression of toxic doses of pentobarbitone in dogs. Roesch C, et al. **Can Anaesth Soc J** 1984 Nov;31(6):654–8

Are the toxicities of pentobarbital and ethanol mediated by the GABA–benzodiazepine receptor–chloride ionophore complex? Mendelson WB, et al. **Eur J Pharmacol** 1985 Jan 15;108(1):63–70

Resistance of the auditory brain stem response to high barbiturate levels. Marsh RR, et al. **Otolaryngol Head Neck Surg** 1984 Dec;92(6):685–8

Reduced lethality from ethanol or ethanol plus pentobarbital in mice exposed to 1 or 12 atmospheres absolute helium–oxygen. Malcolm RD, et al. **Psychopharmacology (Berlin)** 1985;86(4):409–12

Maternal barbiturate administration and offspring response to shock. Martin JC, et al. **Psychopharmacology (Berlin)** 1985;85(2):214–20

PENTOLINIUM TARTRATE

PHARMACODYNAMICS

The contribution of vasopressin and angiotensin to the maintenance of blood pressure after autonomic blockade. Hiwatari M, et al. **Hypertension** 1985 Jul–Aug;7(4):547–53

PENTOSAN SULFURIC POLYESTER see under **POLYSACCHARIDES**

PENTOSE PHOSPHATE SHUNT see **PENTOSEPHOSPHATE PATHWAY**

PENTOSE SHUNT see **PENTOSEPHOSPHATE PATHWAY**

PENTOSEPHOSPHATE PATHWAY

Increased Heinz body formation and impaired erythrocyte pentose phosphate shunt function during pregnancy. Lachant NA, et al. **Am J Hematol** 1985 Feb;18(2):131–41

Level of satiety: GABA and pentose shunt activities in three brain sites associated with feeding. Kasser TR, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):R453–8

Pulmonary and hepatic fatty acid synthesis. III. Control of hexose monophosphate shunt pathway by 3,5,3'–L–triiodothyronine. Das DK, et al. **Ann Nutr Metab** 1984;28(6):357–66

The pentose phosphate cycle is regulated by NADPH/NADP ratio in rat liver. Fabregat I, et al. **Arch Biochem Biophys** 1985 Jan;236(1):110–8

Relationship between the rate of erythrocyte hexose monophosphate pathway and the glucose 6–phosphate concentration. Magnani M, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):14–7

14C labelling of octulose bisphosphates by L–type pentose pathway reactions in liver in situ and in vitro. Williams JF, et al. **Biochem Int** 1985 Jul;11(1):97–106

Vitamin A and biochemical development. II. Effect of postnatal excess vitamin–A administration on the activity of pyridine nucleotide–linked dehydrogenases. Shukla RR, et al. **Biol Neonate** 1984;46(6):291–5

Enhancement of cholesterol synthesis and pentose phosphate pathway activity in proliferating hepatocyte nodules. Ledda–Columbano GM, et al. **Carcinogenesis** 1985 Sep; 6(9):1371–3

Renal hypertrophy in experimental diabetes. Changes in pentose phosphate pathway activity. Steer KA, et al. **Diabetes** 1985 May;34(5):485–90

Regulation of the human–erythrocyte hexose–monophosphate shunt under conditions of oxidative stress. A study using NMR spectroscopy, a kinetic isotope effect, a reconstituted system and computer simulation. Thorburn DR, et al. **Eur J Biochem** 1985 Jul 15; 150(2):371–86

Pentose cycle pathway in normal and tumoral islet cells. Giroix MH, et al. **FEBS Lett** 1985 Jun 3;185(1):1–3

Glucose 6–phosphate formation by L–type pentose phosphate pathway reactions of rat liver in vitro: further evidence. Williams JF, et al. **Hoppe Seylers Z Physiol Chem** 1984 Dec;365(12):1425–34

An in vitro micro–volume procedure for rapid measurement of erythrocytic hexose monophosphate shunt activity. Baird JK, et al. **Int J Biochem** 1984;16(10):1049–52

On the importance of the level of glutathione and the activity of the pentose phosphate pathway in heat sensitivity and thermotolerance. Konings AW, et al. **Int J Radiat Biol** 1985 Sep;48(3):409–22

Characterization of phosphate:hexose 6–phosphate antiport in membrane vesicles of Streptococcus lactis. Ambudkar SV, et al. **J Biol Chem** 1984 Oct 25;259(20):12576–85

Ribose accelerates the repletion of the ATP pool during recovery from reversible ischemia of the rat myocardium. Zimmer HG, et al. **J Mol Cell Cardiol** 1984 Sep;16(9):863–6

[Dehydrogenases of the pentose cycle in rat liver peroxisomes] Antonenkov VD, et al. **Biokhimiia** 1984 Jul; 49(7):1159–65 (Eng. Abstr.) **(Rus)**

[Dehydrogenase activity of pentose and glucuronate pathways of glucose utilization in the rat brain during single and repeated cooling] Volzhina NG. **Ukr Biokhim Zh** 1985 Jan–Feb;57(1):67–70 (Eng. Abstr.) **(Rus)**

[Pentose monophoshate pathway and the glutathione system in physiological pregnancy] D'iakova NG, et al. **Vopr Med Khim** 1985 Mar–Apr;31(2):33–6 (Eng. Abstr.) **(Rus)**

[Interaction of the pentosephosphate cycle and nucleic acid metabolism during the healing of experimental fractures] Vlasov BIa. **Vopr Med Khim** 1984 Jul–Aug;30(4):46–7 (Eng. Abstr.) **(Rus)**

[Congenital hemolytic anemias due to defects in glycolysis and the hexose monophosphate shunt and their incidence in Slovakia] Sakalová A, et al. **Bratisl Lek Listy** 1984 Dec; 82(6):1438–50 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Glucose metabolism in rat mast cells. Stimulation of the pentose phosphate pathway by compound 48/80. Chakravarty N. **Agents Actions** 1985 Apr;16(3–4):133–7

Effect of 6–aminonicotinamide on renin release in isolated rat kidney: possible role for the pentose pathway. Rostand SG, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F213–9

Stimulation of the hexose monophosphate pathway in the human erythrocyte by Mn2+: evidence for a Mn2+–dependent NADPH peroxidase activity. Bennun A, et al. **Biochem Med** 1985 Feb;33(1):17–21

Hemolytic anemia in hereditary pyrimidine 5'–nucleotidase deficiency. II. Effect of pyrimidine nucleotides and their derivatives on glycolytic and pentose phosphate shunt enzyme activity. Oda E, et al. **Clin Chim Acta** 1984 Aug 31;141(2–3):93–100

CDP–choline does not inhibit erythrocyte glycolytic or pentose phosphate pathway enzyme activity. Lachant NA, et al. **Enzyme** 1984;32(4):228–31

Enhancement of base hexose–monophosphate shunt activity of human polymorphonuclear leucocytes by human beta–interferon. Ferrante A, et al. **Immunol Lett** 1984; 8(4):215–7

Methylene blue–mediated hexose monophosphate shunt stimulation in human red blood cells in vitro: independence from intracellular oxidative injury. Baird JK. **Int J Biochem** 1984;16(10):1053–8

Fatty acyl–CoAs as feedback regulators of hexose monophosphate shunt in rat adipocytes. Ros M, et al. **Mol Cell Biochem** 1984 Sep;63(2):119–23

[Effect of series E and F prostaglandins on the reaction of the pentosephosphate pathway of carbohydrate metabolism in isolated perfused rat organs] Kudriavtseva GV, et al. **Biokhimiia** 1984 Nov;49(11):1847–53 (Eng. Abstr.) **(Rus)**

PENTOSEPHOSPHATES

Phosphorothioate analogues of 5–phosphoribosyl 1–diphosphate: 31P nuclear magnetic resonance study. Smithers GW, et al. **Biochemistry** 1984 Sep 25; 23(20):4773–8

ADMINISTRATION & DOSAGE

Immunization of 2–month–old infants with protein–coupled oligosaccharides derived from the capsule of Haemophilus influenzae type b. Anderson P, et al. **J Pediatr** 1985 Sep; 107(3):346–51

Safety and immunogenicity of Haemophilus influenzae type b–polysaccharide diphtheria toxoid conjugate vaccine in infants 9 to 15 months of age. Lepow ML, et al. **J Pediatr** 1985 Feb;106(2):185–9

ANALYSIS

A simplified method for estimating 5–phosphoribosyl 1–pyrophosphate in mouse liver and spleen. Chalmers AH. **Aust J Exp Biol Med Sci** 1984 Jun;62 (Pt 3):281–90

Deoxyribose 1–phosphate: radioenzymatic and spectrophotometric assays. Ipata PL, et al. **J Biochem Biophys Methods** 1984 Sep;9(4):343–50

Spectrophotometric and radioenzymatic determination of ribose–5–phosphate. Tozzi MG, et al. **J Biochem Biophys Methods** 1984 Dec;10(3–4):163–71

BIOSYNTHESIS

Phosphoribosylpyrophosphate synthesis from glucose decreases during amino acid starvation of human lymphoblasts. Boss GR, et al. **J Biol Chem** 1985 May 25; 260(10):6054–9

CHEMICAL SYNTHESIS

Phosphorothioate analogues of 5–phosphoribosyl 1–diphosphate: synthesis, purification, and partial characterization. Smithers GW, et al. **Biochemistry** 1984 Sep 25;23(20):4767–73

IMMUNOLOGY

Isoelectric focusing of human antibody to the Haemophilus influenzae b capsular polysaccharide: restricted and identical spectrotypes in adults. Insel RA, et al. **J Immunol** 1985 Oct;135(4):2810–6

Safety and immunogenicity of Haemophilus influenzae type B polysaccharide–diphtheria toxoid conjugate vaccine in adults. Lepow ML, et al. **J Infect Dis** 1984 Sep;150(3):402–6

Haemophilus influenzae type b polysaccharide vaccines. Granoff DM, et al. **J Pediatr** 1985 Sep;107(3):330–6 (52 ref.)

Antibody levels achieved in infants by course of Haemophilus influenzae type B polysaccharide/diphtheria toxoid conjugate vaccine. Eskola J, et al. **Lancet** 1985 May 25; 1(8439):1184–6

METABOLISM

Biosynthesis of riboflavin. An aliphatic intermediate in the formation of 6,7–dimethyl–8–ribityllumazine from pentose phosphate. Neuberger G, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):175–81

Protein–diet–induced elevation of 5–phosphoribosyl 1–diphosphate concentrations in mouse liver associated with increased syntheses of various nucleotides and the possible involvement of glucagon. Chikenji T, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):274–81

Regulation of hamster carbamoyl–phosphate synthase II by 5–phospho–alpha–D–ribosyl 1–diphosphate and uridine 5'–triphosphate. Lyons SD, et al. **Eur J Biochem** 1985 Mar 15;147(3):587–92

The concentration of 5–phosphoribosyl 1–pyrophosphate in monolayer tumor cells and the effect of various pyrimidine antimetabolites. Peters GJ, et al. **Int J Biochem** 1985; 17(1):95–9

PENTOSES

Identification of the characteristic, anomeric bands in the infrared spectrum of lyxose in aqueous solution. Michalska DF, et al. **Carbohydr Res** 1984 Aug 1;131(1):29–38

BIOSYNTHESIS

Production of D– and L–xylulose by mutants of Klebsiella pneumoniae and Erwinia uredovora. Doten RC, et al. **Appl Environ Microbiol** 1985 Jan;49(1):158–62

CHEMICAL SYNTHESIS

A convenient preparation of 3–deoxy–1,2–O–isopropylidene–5–O–p–tolysulfonyl–beta–pentofuranose. Lerner LM. **Carbohydr Res** 1984 Sep 1; 132(1):168–72

METABOLISM

Bioconversion of pentoses to 2,3–butanediol by Klebsiella pneumoniae. Jansen NB, et al. **Adv Biochem Eng Biotechnol** 1983;27:85–99 (54 ref.)

Bacterial conversion of pentose sugars to acetone and butanol. Volesky B, et al. **Adv Biochem Eng Biotechnol** 1983;27:101–18 (62 ref.)

URINE

On the nature of L–xylulose reductase deficiency in essential pentosuria. Lane AB. **Biochem Genet** 1985 Feb; 23(1–2):61–72

A Japanese case of pentosuria. Soyama K, et al. **J Inherited Metab Dis** 1985;8(1):37

ARK PUBLIC LIBRAR

PENTOSYLTRANSFERASES

ANALYSIS

Decreased activity of UMP pyrophosphorylase associated with resistance to 5-fluorocytosine in Candida albicans. Whelan WL, et al. **Antimicrob Agents Chemother** 1984 Oct; 26(4):570–4

Detection of NAD:arginine ADPribosyltransferases in animal tissues using 125I-labeled 1-(p-hydroxyphenyl) 2-guanidinoethane as ADPribose acceptor. Watkins PA, et al. **Biochim Biophys Acta** 1985 Jul 5;840(3):401–8

Monoclonal antibody and enzymatic profiles of human malignant T-lymphoid cells and derived cell lines. Smith SD, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5657–60

Pyrimidine nucleoside phosphorylase assay by automated high-performance liquid chromatography. Siegel SA, et al. **J Chromatogr** 1985 Feb 20;319(3):351–8

Enzymes of purine metabolism and membrane phenotype in malignant cells of some leukemia patients. Babušíková O, et al. **Neoplasma** 1984;31(6):661–6

Rapid assay for detection of Escherichia coli xanthine-guanine phosphoribosyltransferase activity in transduced cells. Chu G, et al. **Nucleic Acids Res** 1985 Apr 25;13(8):2921–30

Thymidine kinase and thymidine phosphorylase activities in various types of leukaemia and lymphoma. Vertongen F, et al. **Tumour Biol** 1984;5(6):303–11

ANTAGONISTS & INHIBITORS

Biological activity of two novel inhibitors of uridine phosphorylase. Siegel SA, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1121–4

5-Substituted-2,2'-anhydrouridines, potent inhibitors of uridine phosphorylase. Veres Z, et al. **Biochem Pharmacol** 1985 May 15;34(10):1737–40

Lack of inhibition of purine nucleoside phosphorylase and adenosine deaminase in patients treated with azathioprine. Maddocks JL, et al. **Br J Clin Pharmacol** 1985 Jan; 19(1):108–11

Effect of 5-azacytidine on DNA methylation and on the enzymes of de novo pyrimidine biosynthesis in Bacillus subtilis Marburg strain. Guha S. **Eur J Biochem** 1984 Nov 15;145(1):99–106

Synthesis of 1-[[2-hydroxy-1-(hydroxymethyl)ethoxy] methyl]-5-benzyluracil and its amino analogue, new potent uridine phosphorylase inhibitors with high water solubility. Lin TS, et al. **J Med Chem** 1985 Jul;28(7):971–3

Inhibition of utilization of hypoxanthine and guanine in cells treated with the carbocyclic analog of adenosine. Phosphates of carbocyclic nucleoside analogs as inhibitors of hypoxanthine (guanine) phosphoribosyltransferase. Bennett LL Jr, et al. **Mol Pharmacol** 1985 Jun;27(6):666–75

Inhibition of adenosine deaminase and purine nucleoside phosphorylase and T-cell function in germfree mice and human peripheral blood. Wiedl SC, et al. **Prog Clin Biol Res** 1985;181:461–6

BIOSYNTHESIS

[Regulatory mutants for the synthesis of a 2d purine nucleoside phosphorylase in Escherichia coli K-12. I. Synthesis inducers and the substrate specificity of purine nucleoside phosphorylase in pndR mutants] Kocharian ShM, et al. **Genetika (Moskva)** 1984 Sep;20(9):1463–71 (Eng. Abstr.) **(Rus)**

BLOOD

Immunomodulators and enzymes of purine metabolism in human lymphocytes. Ambrogi F, et al. **Int J Tissue React** 1984;6(5):379–84

Characterization of quinolinic acid phosphoribosyltransferase in human blood and observations in Huntington's disease. Foster AC, et al. **J Neurochem** 1985 Jul;45(1):199–205

Host-mediated inhibition of rat bladder cancer growth by cyclophosphamide and purine salvage pathway-related enzyme activity of lymphocytes. Iwaguchi T, et al. **Jpn J Exp Med** 1984 Oct;54(5):201–6

Methylthioadenosine phosphorylase and purine nucleoside phosphorylase in B-chronic lymphocytic leukemia. Vertongen F, et al. **Thymus** 1984;6(6):359–64

[Adenosine deaminase and purine nucleoside phosphorylase of thrombocytes in various hematologic diseases] Sokovnina IaM, et al. **Vestn Akad Med Nauk SSSR** 1984; (8):75–80 (Eng. Abstr.) **(Rus)**

[Effect of a purine-free diet on the purine phosphoribosyltransferase activity of erythrocytes in patients with Lesch-Nyhan syndrome] Semenova IA, et al. **Vopr Med Khim** 1984 Jul-Aug;30(4):94–7 (Eng. Abstr.) **(Rus)**

[Thrombocyte purine nucleoside phosphorylase in various blood diseases] Sokovnina IaM, et al. **Vopr Med Khim** 1985 Mar-Apr;31(2):76–9 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Independent regulation of ornithine decarboxylase and S-adenosylmethionine decarboxylase in methylthioadenosine phosphorylase-deficient malignant murine lymphoblasts. Kubota M, et al. **Cancer Res** 1985 Aug;45(8):3567–72

Immune deficiency due to adenosine deaminase and purine nucleoside phosphorylase deficiency: a simple diagnostic test. Maddocks JL, et al. **J Clin Pathol** 1984 Nov; 37(11):1305–7

Severe impairment in adenine metabolism with a partial deficiency of adenine phosphoribosyltransferase. Kamatani N, et al. **Metabolism** 1985 Feb;34(2):164–8

An erythrocyte Pr auto-antibody with sialoglycoprotein specificity in a patient with purine nucleoside phosphorylase deficiency. McGinniss MH, et al. **Transfusion** 1985 Mar-Apr;25(2):131–6

[Determination and significance of adenine in the urine and the serum of a patient with congenital adenine phosphoribosyltransferase deficiency] Noro T, et al. **Rinsho** Byori 1985 Jan;33(1):89–94 **(Jpn)**

GENETICS

Purine nucleoside phosphorylase (Np) in the mouse: linkage relationship of Np-2 to esterase-10 (Es-10) and Np-1 on chromosome 14. Lukey T, et al. **Biochem Genet** 1985 Apr; 23(3–4):347–56

Genetic linkage but independent expression of functional HSV-1 tk and mammalian aprt genes after cotransfer to L cells. Block T, et al. **Can J Microbiol** 1985 Apr; 31(4):311–6

Structure of the Escherichia coli pyrE operon and control of pyrE expression by a UTP moduiated intercistronic attentuation. Poulsen P, et al. **EMBO J** 1984 Aug; 3(8):1783–90

Cloning gene ura5 for the orotidylic acid pyrophosphorylase of the filamentous fungus Podospora anserina: transformation of protoplasts. Bégueret J, et al. **Gene** 1984 Dec;32(3):487–92

Nucleotide sequence and analysis of deletion mutants of the Escherichia coli gpt gene in plasmid pSV2 gpt. Jagadeeswaran P, et al. **Gene** 1984 Nov;31(1–3):309–13

Cloning the complete human adenine phosphoribosyl transferase gene. Murray AM, et al. **Gene** 1984 Nov; 31(1–3):233–40

Structural and functional organization of the gpt gene region of Escherichia coli. Nüesch J, et al. **Gene** 1984 Dec; 32(1–2):243–9

Purine-mediated growth inhibition caused by a pyrE mutation in Escherichia coli K-12. Shimosaka M, et al. **J Bacteriol** 1984 Dec;160(3):1101–4

Genetic analysis of adenine metabolism in Leishmania donovani promastigotes. Evidence for diploidy at the adenine phosphoribosyltransferase locus. Iovannisci DM, et al. **J Biol Chem** 1984 Dec 10;259(23):14617–23

Inheritance of UMP synthase in dairy cattle. Shanks RD, et al. **J Hered** 1984 Sep-Oct;75(5):337–40

Transduction of the Chinese hamster ovary aprt gene by herpes simplex virus. Tackney C, et al. **J Virol** 1984 Nov; 52(2):606–14

Identification of a cis-acting regulatory region in the pncB locus of Salmonella typhimurium. Kinney DM, et al. **MGG** 1985;199(3):512–7

Molecular cloning of genes involved in purine biosynthetic and salvage pathways of Salmonella typhimurium. O'Reilly C, et al. **MGG** 1984;196(1):152–7

Structural alterations of the aprt locus induced by deoxyribonucleoside triphosphate pool imbalances in Chinese hamster ovary cells. Goncalves O, et al. **Mol Cell Biol** 1984 Sep;4(9):1792–9

Expression of a cDNA sequence encoding human purine nucleoside phosphorylase in rodent and human cells. McIvor RS, et al. **Mol Cell Biol** 1985 Jun;5(6):1349–57

Detection of deletion mutations in pSV2gpt-transformed cells. Tindall KR, et al. **Mol Cell Biol** 1984 Jul;4(7):1411–5

Nucleotide sequence and organization of the mouse adenine phosphoribosyltransferase gene: presence of a coding region common to animal and bacterial phosphoribosyltransferases that has a variable intron/exon arrangement. Dush MK, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2731–5

Animal cell mutants defective in glycosaminoglycan biosynthesis. Esko JD, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3197–201

Characterization of pyrazofurin-resistant HeLa cells with amplification of UMP synthase gene. Kanalas JJ, et al. **Somatic Cell Mol Genet** 1985 Jul;11(4):359–69

Cytological localization of adenosine kinase, nucleoside phosphorylase-1, and esterase-10 genes on mouse chromosome 14. Samuelson LC, et al. **Somatic Cell Mol Genet** 1985 Mar;11(2):157–65

[Polymorphism of bovine erythrocyte purine nucleoside phosphorylase] Queval R, et al. **Rev Elev Med Vet Pays Trop** 1984;37(3):308–12 (Eng. Abstr.) **(Fre)**

[Enhancement of expression of Escherichia coli uridine phosphorylase gene as a result of duplication] Alkhimova RA, et al. **Genetika** 1985 May;21(5):756–62 (Eng. Abstr.) **(Rus)**

[Regulator mutants for the synthesis of a 2d purine nucleoside phosphorylase in Escherichia coli K-12. II. Mapping and study of the dominance of pndR mutations] Kocharian AM, et al. **Genetika (Moskva)** 1985 Feb;21(2):220–8 (Eng. Abstr.) **(Rus)**

[Chromosomal inversion accompanied by an enhancement of uridine phosphorylase gene expression in Escherichia coli K-12] Kulakauskas ST, et al. **Genetika (Moskva)** 1985 Mar;21(3):375–83 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Purification and characterization of Escherichia coli xanthine-guanine phosphoribosyltransferase produced by plasmid pSV2gpt. Deo SS, et al. **Biochim Biophys Acta** 1985 May 8;839(3):233–9

Purification of quinolinic acid phosphoribosyltransferase from rat liver and brain. Okuno E, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):112–9

Isolation and characterization of the orotidine 5'-monophosphate decarboxylase domain of the multifunctional protein uridine 5'-monophosphate synthase. Floyd EE, et al. **J Biol Chem** 1985 Aug 5; 260(16):9443–51

NAD: arginine mono-ADP-ribosyltransferases from animal cells. Moss J, et al. **Methods Enzymol** 1984;106:430–7

METABOLISM

Cell proliferation and cell cycle dependent changes in the methylthioadenosine phosphorylase activity in mammalian cells. Sunkara PS, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):546–51

5'-Deoxy-5'-methylthioadenosine phosphorylase--III. Role of the enzyme in the metabolism and action of 5'-halogenated adenosine analogs. Savarese TM, et al. **Biochem Pharmacol** 1985 Feb 1;34(3):361–7

Differential regulation of polyamine synthesis and transmethylation reactions in methylthioadenosine phosphorylase deficient mammalian cells. Iizasa T, et al. **Biochim Biophys Acta** 1985 Mar 21;844(3):280–7

Elevated adenosine deaminase and purine nucleoside phosphorylase activity in peripheral blood null lymphocytes from patients with acquired immune deficiency syndrome. Murray JL, et al. **Blood** 1985 Jun; 65(6):1318–24

Quinolinic acid phosphoribosyltransferase in human and rat brain: activity in Huntington's disease and in quinolinate-lesioned rat striatum. Foster AC, et al. **Brain Res** 1985 Jun 17;336(2):207–14

The degradation of 5'-deoxy-5-fluorouridine by pyrimidine nucleoside phosphorylase in normal and cancer tissues. Choong YS, et al. **Clin Chim Acta** 1985 Jul 15; 149(2–3):175–83

Biochemical heterogeneity of splenic purine nucleoside phosphorylase (NP-1a) from five strains of wild mice. Soodeen CJ, et al. **Comp Biochem Physiol [B]** 1985; 80(3):521–4

Nonenzymatic glycosylation of erythrocytic proteins in normal and diabetic subjects. Enzymes of nucleoside and nucleotide metabolism. Agarwal KC, et al. **Diabetes** 1985 Mar;34(3):251–5

Evidence for distinct catabolic pathways for deoxy-GTP and GTP in purine-nucleoside phosphorylase-deficient mouse T lymphoblasts. Barankiewicz J, et al. **J Biol Chem** 1985 Apr 25;260(8):4565–7

Purine nucleoside phosphorylase of the malarial parasite, Plasmodium lophurae. Schimandle CM, et al. **J Biol Chem** 1985 Apr 10;260(7):4455–60

Uridine phosphorylase from Novikoff rat hepatoma cells: purification, kinetic properties, and its role in uracil anabolism. McIvor RS, et al. **J Cell Physiol** 1985 Mar; 122(3):397–404

Enzymatic assay procedures that employ high-performance liquid chromatography: competition between phosphoribosyltransferases for a common substrate. Sloan DL, et al. **J Chromatogr** 1984 Dec 21;316:43–52

Adenine phosphoribosyltransferase mutants in Saccharomyces cerevisiae. Woods RA, et al. **J Gen Microbiol** 1984 Oct;130 (Pt 10):2629–37

Quinolinic acid phosphoribosyltransferase in rat brain. Foster AC, et al. **J Neurochem** 1985 Feb;44(2):446–54

Enzymes of uridine 5'-monophosphate biosynthesis in Schistosoma mansoni. Iltzsch MH, et al. **Mol Biochem Parasitol** 1984 Jun;12(2):153–71

Purine metabolism in high and low uric acid lines of chickens: de novo uric acid synthesis in isolated hepatocytes and phosphoribosylpyrophosphate amidotransferase activities. McFarland DC, et al. **Proc Soc Exp Biol Med** 1984 Dec; 177(3):417–21

Purine nucleoside phosphorylase synthesis and turnover in human lymphoid cells. Neote K, et al. **Proc Soc Exp Biol Med** 1985 Sep;179(4):442–7

[Hepatic glutamine-5-phosphoribosyl-1-pyrophosphate amidotransferase and glucocorticoids] Di Stefano A, et al. **Boll Soc Ital Biol Sper** 1985 May 30;61(5):671–5 (Eng. Abstr.) **(Ita)**

[5'-Deoxy-5-fluorouridine enzymatic activation from the masked compound to 5-fluorouracil in human malignant tissues] Hara Y. **Gan To Kagaku Ryoho** 1984 Oct; 11(10):2133–43 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Salvage of uridine in the mouse. Effect of uridine phosphorylase pretreatment. Moyer JD, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):101–5

PENTOXIFYLLINE see under **THEOBROMINE**

PENTOXYL see under **URACIL**

NEWARK PUBLIC LIBRARY

PENTYLENETETRAZOLE

Effect of inosine on seizures induced with pentylenetetrazole, bicuculline, or picrotoxin. Lewin E, et al. **Epilepsia** 1985 May-Jun;26(3):258-61

Potassium, pentylenetetrazol, and anticonvulsants in mouse hippocampal slices. Piredda S, et al. **Epilepsia** 1985 Mar-Apr;26(2):167-74

Forskolin suppresses seizures induced by pentylenetetrazol in mice. Sano M, et al. **Experientia** 1984 Nov 15; 40(11):1270-1

Circannual rhythm of free fatty acids and diacylglycerols in 5-day-old rat cerebrum during pentylenetetrazol-induced convulsions. Morelli de Liberti SA, et al. **J Neurochem** 1985 Oct;45(4):1055-61

A timed intravenous pentylenetetrazol infusion seizure model for quantitating the anticonvulsant effect of valproic acid in the rat. Pollack GM, et al. **J Pharmacol Methods** 1985 Apr;13(2):135-46

Effect of acute acrylonitrile exposure on metrazol induced seizures in the rat. Fanini D, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):29-34

Differential effects of picrotoxin- and pentylenetetrazol-induced convulsions on the secretion of luteinizing hormone and follicle-stimulating hormone in rats. Fujii T, et al. **Psychoneuroendocrinology** 1984; 9(4):391-7

Status epilepticus and brain maturation. Ricci GF, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Dec; 14(3):187-95

ANALYSIS

Continuous measurement of pentylenetetrazol concentration by a liquid ion exchanger microelectrode. Walden J, et al. **J Neurosci Methods** 1984 Aug;11(3):187-92

ANTAGONISTS & INHIBITORS

In vivo determination of efficacy of pyrazoloquinolinones at the benzodiazepine receptor. Brown C, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):139-43

Phencyclidine-like effect of cyclazocine on pentylentetrazol-induced seizures in laboratory animals. Sagratella S, et al. **Pharmacol Biochem Behav** 1985 Apr; 22(4):515-9

[The anticonvulsant action of propranolol in pentylenetetrazole-induced convulsions] Lasek R, et al. **Pharmazie** 1985 Apr;40(4):271-2 **(Ger)**

[The effect of propranolol on the pentetrazole-induced spindle activity in the EEG of the rat] Lasek R. **Pharmazie** 1985 May;40(5):364 **(Ger)**

METABOLISM

Kinetics of drug action in disease states. XIV. Effect of infusion rate on pentylenetetrazol concentrations in serum, brain and cerebrospinal fluid of rats at onset of convulsions. Ramzan IM, et al. **J Pharmacol Exp Ther** 1985 Sep; 234(3):624-8

PHARMACODYNAMICS

Recrystallization from ether causes unusual changes in the convulsant activity of pentylenetetrazol. Nagy J, et al. **Acta Physiol Hung** 1985;65(1):95-9

Effect of pentylenetetrazol on carbaryl-induced changes in striatal catecholamines. Ray SK, et al. **Biochem Pharmacol** 1985 Feb 15;34(4):553-7

Effect of phenytoin on intracellular calcium and intracellular protein changes during pentylenetetrazole-induced bursting activity in snail neurons. Sugaya E, et al. **Brain Res** 1985 Feb 18;327(1-2):161-8

Qualitative study of a dynamical system for metrazol-induced paroxysmal depolarization shifts. Argémi J, et al. **Bull Math Biol** 1984;46(5-6):903-22

The effect of pentylenetetrazol on spike broadening and potassium inactivation. Doerner D, et al. **Comp Biochem Physiol** [C] 1984;79(2):441-5

Geniculate spikes during epileptic seizures induced in dogs by pentylenetetrazol and bicuculline. Binnie CD, et al. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):40-9

Cysteamine suppresses kindled seizures in pentylenetetrazol-kindled rats. Assouline G, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):649-52

Comparative effects of topical perfusions of pentylenetetrazol in the mesencephalon and cerebral cortex of cats. Velasco F, et al. **Exp Neurol** 1985 Mar;87(3):533-43

Differential alterations in brain sensitivity to amphetamine and pentylenetetrazol in socially deprived mice. Faggin BM, et al. **Gen Pharmacol** 1985;16(3):299-302

Withdrawal from morphine generalizes to a pentylenetetrazol stimulus. Emmett-Oglesby MW, et al. **Neuropeptides** 1984 Dec;5(1-3):37-40

Supra-additive toxic interaction of nicotine with antihistamines, and enhancement by the proconvulsant pentylenetetrazole. Sewell RG, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):469-77

Effect of Chinese herbal medicine 'saiko-keishi-to' on intracellular calcium and protein behavior during pentylenetetrazole-induced bursting activity in snail neurons. Sugaya A, et al. **Planta Med** 1985 Feb;(1):2-6

[Characteristics of the electrical activity in hippocampal slices in mice with Corazol kindling] Buldakova SL, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):272-4 (Eng. Abstr.) **(Rus)**

[The hippocampus as the determinant structure generating epileptic activity during korazol kindling] Kryzhanovskii GN, et al. **Biull Eksp Biol Med** 1985 May;99(5):527-32 (Eng. Abstr.) **(Rus)**

TOXICITY

The effect of spontaneous seizures on pentylenetetrazole and maximum electroshock induced seizures in the Mongolian gerbil. Lee RJ, et al. **Eur J Pharmacol** 1984 Oct 30; 106(1):91-6

PENTYMAL see **AMOBARBITAL**

PEPSIN

Identification of oxygen nucleophiles in tetrahedral intermediates: 2H and 18O induced isotope shifts in 13C NMR spectra of pepsin-bound peptide ketone pseudosubstrates. Schmidt PG, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):597-602

The use of limited proteolysis in studies on protein folding and association. Rudolph R. **Biochem Soc Trans** 1985 Apr; 13(2):308-11

Purification and characterization of tadpole back-skin collagenase with low gelatinase activity. Bicsak TA, et al. **J Biol Chem** 1984 Nov 10;259(21):13145-50

Don't freeze pepsin! Deakin M, et al. **J R Nav Med Serv** 1985 Summer;71(2):96-7

[The structure of pepsin. I. Molecular self-symmetry of the enzyme and implications for the evolution of aspartate proteinases] Andreeva NS. **Mol Biol (Mosk)** 1985 Jan-Feb; 19(1):218-24 (Eng. Abstr.) **(Rus)**

[The structure of pepsin. II. Structure of the enzyme active site (at 2 angstroms resolution)] Gushchina AE, et al. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):225-9 (Eng. Abstr.) **(Rus)**

ANALYSIS

Gastricsin in the benign and malignant prostate. Reid WA, et al. **J Clin Pathol** 1985 Jun;38(6):639-43

Enzyme assays for the identification of gastric fluid. Lee HC, et al. **J Forensic Sci** 1985 Jan;30(1):97-102

Adsorption of pepsin by aluminum hydroxide I: Adsorption mechanism. Sepelyak RJ, et al. **J Pharm Sci** 1984 Nov; 73(11):1514-7

Determination of pepsin I by radioimmunoassay. Hengels KJ. **Prog Clin Biol Res** 1985;173:73-4

Peptic cells. Varis KS. **Prog Clin Biol Res** 1985;173:177-84 (24 ref.)

Radioimmunoassay of pepsin in gastric juice. Waldum HL. **Prog Clin Biol Res** 1985;173:75-8

Influence of fiber on postprandial intragastric juice acidity, pepsin, and bile acids in healthy subjects. Rydning A, et al. **Scand J Gastroenterol** 1984 Nov;19(8):1039-44

New medium for detection of esterase and gelatinase activity. Páčová Z, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Oct;258(1):69-73

[Changes in the activities of proteolytic enzymes of the stomach in peptic ulcer and their diagnostic significance] Sorokina VG. **Ter Arkh** 1984;56(8):107-10 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Adsorption of pepsin by aluminum hydroxide II: Pepsin inactivation. Sepelyak RJ, et al. **J Pharm Sci** 1984 Nov; 73(11):1517-22

BLOOD

Human polymorphonuclear leukocyte collagenase and gelatinase. Comparison of certain enzymatic properties. Williams HR, et al. **Int J Biochem** 1984;16(12):1321-9

GENETICS

Isolation, partial characterization and translation of mRNAs for chymosin and pepsin, the two main aspartyl proteinases of bovine stomach. Lipoldová M, et al. **Folia Biol (Praha)** 1985;31(2):71-80

ISOLATION & PURIFICATION

Fractionation of the multiple forms of bovine gastric aspartic proteases by chromatofocusing. Martin P, et al. **Anal Biochem** 1984 Dec;143(2):256-64

Purification of gelatin-specific neutral protease from human skin by conventional and high-performance liquid chromatography. Seltzer JL, et al. **J Chromatogr** 1985 Jun 19;326:147-55

METABOLISM

Cryoenzymology of porcine pepsin. Dunn BM, et al. **Biochemistry** 1984 Oct 23;23(22):5241-7

Hydrolysis of the synthetic chromophoric hexapeptide Leu-Ser-Phe(NO2)-Nle-Ala-Leu-OMe catalyzed by bovine pepsin A. Dependence on pH and effect of enzyme phosphorylation level. Martin P. **Biochim Biophys Acta** 1984 Nov 23;791(1):28-36

Collagen fibrillogenesis in vitro: a characterization of fibril quality as a function of assembly conditions. McPherson JM, et al. **Coll Relat Res** 1985 Mar;5(2):119-35

Fluorescent and radiolabelling of pepsin-digested human glomerular basement membrane with a newly developed hydroxy-coumarin derivative (CASE). Rand-Weaver M, et al. **FEBS Lett** 1985 Mar 11;182(1):185-8

New method for covalent immobilization of proteins to cellulose and cellulose derivatives. Krysteva MA, et al. **J Appl Biochem** 1984 Oct-Dec;6(5-6):367-73

Monkey pepsinogens and pepsins. VII. Analysis of the activation process and determination of the NH2-terminal 60-residue sequence of Japanese monkey progastricsin, and molecular evolution of pepsinogens. Kageyama T, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1235-46

The effect of polycations on the activity of pepsin. Lawton JB, et al. **J Pharm Pharmacol** 1985 Jun;37(6):396-400

Influence of fiber on acidity, pepsin, and bile acids in human gastric juice in vitro. Rydning A, et al. **Scand J Gastroenterol** 1984 Oct;19(7):953-9

PHARMACODYNAMICS

Effect of ethanol on the peptic degradation of gastric mucus glycoprotein. Laszewicz W, et al. **Digestion** 1985; 31(1):47-53

Dermatitis herpetiformis: biochemical properties of the granular deposits of IgA in papillary dermis. Characterization of SDS-soluble IgA-like material and potentially antigen-binding IgA fragments released by pepsin. Egelrud T, et al. **J Invest Dermatol** 1985 Apr; 84(4):239-45

The effects of pepsin on the natural progression of autoimmunity in glomerulonephritis in the NZB/W F1 mouse. Ohnishi H, et al. **Life Sci** 1984 Nov 26; 35(22):2183-91

Age-related changes in rat glomerular basement membrane components solubilised with pepsin. Khalil-Manesh F, et al. **Renal Physiol** 1985;8(2):120-8

The effect of pepsin solubilization on platelet aggregation by types I and III collagens. Hill RJ, et al. **Thromb Res** 1985 Apr 1;38(1):45-59

[Mechanism of oxygen exchange in the amide group of substrates during their hydrolysis catalyzed by leucine aminopeptidase and pepsin] Kapitannikov IuV, et al. **Bioorg Khim** 1983 Feb;9(2):228-31 (Eng. Abstr.) **(Rus)**

[Effect of acidin-pepsin on Yersinia pseudotuberculosis] Kuznetsov VG. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jun;(6):17-20 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Mucus and pepsin role in gastric damage prevention by H2-receptor antagonists and antiulcer drugs. Impicciatore M, et al. **Acta Physiol Hung** 1984;64(3-4):253-7

Pepsin like enzyme in macrophages and its role in the immune system. Ohnishi H. **Clin Exp Immunol** 1984 Oct; 58(1):206-12

Taurodeoxycholate modulates the effects of pepsin and trypsin in experimental esophagitis. Lillemoe KD, et al. **Surgery** 1985 Jun;97(6):662-7

SECRETION

Effect of 5-HT on basal and stimulated secretions of acid and pepsin and on gastric volume outflow in the in vivo gastrically and intestinally perfused cod, Gadus morhua. Holstein B, et al. **Agents Actions** 1984 Oct;15(3-4):291-305

Secretion of collagenolytic enzymes by human polymorphonuclear leukocytes. Hibbs MS, et al. **Coll Relat Res** 1984 Dec;4(6):467-77

Famotidine, a new H2-receptor antagonist. Effect on parietal, nonparietal, and pepsin secretion in man. Smith JL, et al. **Dig Dis Sci** 1985 Apr;30(4):308-12

Effect of omeprazole on the secretion of intrinsic factor, gastric acid and pepsin in man. Kittang E, et al. **Gut** 1985 Jun;26(6):594-8

Biochemical and immunological characterization of the secreted forms of human neutrophil gelatinase. Hibbs MS, et al. **J Biol Chem** 1985 Feb 25;260(4):2493-500

The effect of trimipramine (Surmontil) on the gastric secretion of acid and pepsin in patients with duodenal ulceration. Mackay HP, et al. **J Int Med Res** 1984; 12(5):303-6

Histamine H1 and H2 effects on gastric acid and pepsin, heart rate and blood pressure in humans. Haggstrom GD, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):120-3

Cyclic hexa- and pentapeptide somatostatin analogues with reduced gastric inhibitory activity. Hirst BH, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):857-60

Pharmacological studies on Linderae umbellatae Ramus, IV. Effects of condensed tannin related compound on peptic activity and stress-induced gastric lesions in mice. Ezaki N, et al. **Planta Med** 1985 Feb;(1):34-8

The effect of H2-receptor antagonists on pepsin secretion in man. Gledhill T, et al. **Prog Clin Biol Res** 1985; 173:159-67

The influence of nervous and humoral stimulation on serum group I pepsinogens. Waldum HL. **Prog Clin Biol Res** 1985; 173:115-27 (31 ref.)

Effect of somatostatin on bethanechol-stimulated gastric pepsin secretion in gastric fistula dogs. Ladegaard L, et al. **Scand J Gastroenterol** 1985 Jan;20(1):87-91

Gastric acid and pepsin secretion in response to modified sham feeding in active and inactive duodenal ulcer disease. Sandvik A, et al. **Scand J Gastroenterol** 1985 Jun; 20(5):602-6

URINE

[Analysis of measured results of urinary pepsin and 17-OHCS in chronic gastritis with splenic and renal insufficiency based on Chinese traditional medicine] Qi JS, et al. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Jan;5(1):27-9, 3 (Eng. Abstr.) **(Chi)**

PEPSINOGEN

Pepsinogen. Hirschowitz BI. **Postgrad Med J** 1984 Nov; 60(709):743-50 (56 ref.)

Pepsinogens in man. Clinical and genetic advances. **Prog Clin Biol Res** 1985;173:1-312

ANALYSIS

Human uropepsinogen is a new human pepsinogen proisozyme. Sun LQ, et al. **Biochem Int** 1985 Apr; 10(4):553-7

Immunocytochemical localization of pepsinogen I and II in the human stomach. Meuwissen SG, et al. **Prog Clin Biol Res** 1985;173:185-97

Qualitative and quantitative determinations of pepsinogen I in gastric cancer and premalignant changes of the stomach. Westerveld BD, et al. **Prog Clin Biol Res** 1985;173:201-12 (24 ref.)

Pepsinogen isozymes in Borrmann IV type gastric carcinoma. Nakamura K, et al. **Tohoku J Exp Med** 1985 Jan; 145(1):39-47

BIOSYNTHESIS

Pepsinogen synthesis and secretion by isolated gastric glands. Défize J, et al. **Prog Clin Biol Res** 1985;173:147-57

BLOOD

Plasma histamine and serum pepsinogen I concentrations in chronic myelogenous leukaemia. Välimäki M, et al. **Acta Med Scand** 1985;217(1):89-93

On the natural history of hypergastrinemia. Lindstedt G, et al. **Clin Chem** 1985 Jul;31(7):1135-40

Influence of RP 40749 on basal and meal-stimulated serum-gastrin, serum-pepsinogen I, and gastrin-content of the antral mucosa in duodenal ulcer patients. Nelis GF, et al. **Dig Dis Sci** 1985 Jul;30(7):617-23

Effect of oral omeprazole on serum gastrin and serum pepsinogen I levels. Festen HP, et al. **Gastroenterology** 1984 Nov;87(5):1030-4

Study of duodenal ulcer disease in 100 families using total serum pepsinogen as a genetic marker. Habibullah CM, et al. **Gut** 1984 Dec;25(12):1380-3

Relation between serum group II pepsinogen concentration and the degree of Brunner's gland hyperplasia in patients with chronic renal failure. Paimela H, et al. **Gut** 1985 Feb; 26(2):198-202

Effects on plasma pepsinogen, gastrin and pancreatic polypeptide of Ostertagia spp. transferred directly into the abomasum of sheep. Anderson N, et al. **Int J Parasitol** 1985 Apr;15(2):159-65

Measurement of plasma group I pepsinogens. Levine DF, et al. **Postgrad Med J** 1984 Sep;60(707):582-5

Determination of pepsinogen I in serum by radioimmunoassay. Axelsson CK. **Prog Clin Biol Res** 1985; 173:43-53

Enzyme linked immunosorbent assay of pepsinogen I. Biemond I, et al. **Prog Clin Biol Res** 1985;173:55-65

Serum pepsinogen I levels: assessment of gastric acid secretion? Goedhard JG, et al. **Prog Clin Biol Res** 1985; 173:139-46

Serum pepsinogen I in hereditary hypergastrinemic peptic ulcer syndromes. Lamers CB, et al. **Prog Clin Biol Res** 1985;173:273-81

Serum pepsinogen I levels in relation to pepsinogen phenotypes. Pals G, et al. **Prog Clin Biol Res** 1985; 173:91-100

Quantitative serum pepsinogen: genetics and relationship to urinary and gastric phenotypes. Petersen GM, et al. **Prog Clin Biol Res** 1985;173:79-90

Pepsinogens and other physiologic markers in genetic studies of peptic ulcer and related disorders. Rotter JI, et al. **Prog Clin Biol Res** 1985;173:227-44 (36 ref.)

Serum pepsinogens I and II and gastric acid output: effect of gastritis. Samloff IM, et al. **Prog Clin Biol Res** 1985; 173:129-38

The relation of serum pepsinogen to gastric cancer and its precursors in Hawaii Japanese men: a progress report. Stemmermann GN, et al. **Prog Clin Biol Res** 1985; 173:213-20

The influence of nervous and humoral stimulation on serum group I pepsinogens. Waldum HL. **Prog Clin Biol Res** 1985; 173:115-27 (31 ref.)

Group I pepsinogens in serum. I. Normal range, age and sex relation, diurnal rhythm, seasonal variation, and distribution in ABO blood groups. Axelsson CK, et al. **Scand J Gastroenterol** 1984 Nov;19(8):1114-8

Serum pepsinogen I and the state of gastric mucosa in an Estonian population sample. Tamm A, et al. **Scand J Gastroenterol** 1984 Nov;19(8):1091-4

The effect of experimental Ostertagia ostertagi infections in stabled milking cows on egg output, serum pepsinogen levels, antibody titres and milk production. Kloosterman A, et al. **Vet Parasitol** 1985 Apr;17(4):299-308

[Duodenal ulcer and serum pepsinogen (letter)] Dessypris A, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 Jul-Sep; 20(4):219 **(Fre)**

[Clinical value of determining pepsinogen I] Griessen M, et al. **Schweiz Med Wochenschr** 1984 Dec 8;114(49):1849-51 (Eng. Abstr.) **(Fre)**

[Effects of subcutaneous administration of pentagastrin and duodenal alkalinization on plasma group I pepsinogen (PGI-p) in man] Pustorino S, et al. **Minerva Dietol Gastroenterol** 1985 Apr-Jun;31(2):241-4 (Eng. Abstr.) **(Ita)**

[Changes in the activities of proteolytic enzymes of the stomach in peptic ulcer and their diagnostic significance] Sorokina VG. **Ter Arkh** 1984;56(8):107-10 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Nomenclature Committee report: pepsinogens. Nomenclature Committee of Human Gene Mapping Conference. Eriksson AW, et al. **Prog Clin Biol Res** 1985;173:41-2

GENETICS

Assignment of human pepsinogen A locus to the q12-pter region of chromosome 11. Zelle B, et al. **Hum Genet** 1985; 70(4):337-40

Monkey pepsinogens and pepsins. VII. Analysis of the activation process and determination of the NH2-terminal 60-residue sequence of Japanese monkey progastricsin, and molecular evolution of pepsinogens. Kageyama T, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1235-46

Variable numbers of pepsinogen genes are located in the centromeric region of human chromosome 11 and determine the high-frequency electrophoretic polymorphism. Taggart RT, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6240-4

On chromosome mapping of human pepsinogen gene loci. Gedde-Dahl T Jr. **Prog Clin Biol Res** 1985;173:101-6

Urinary pepsinogen I: A multigene family? Pronk JC, et al. **Prog Clin Biol Res** 1985;173:23-30

Electrophoretic and immunochemical heterogeneity of human urinary pepsinogens. Taggart RT. **Prog Clin Biol Res** 1985;173:15-22

METABOLISM

Intramucosal activation of pepsinogens in the pathogenesis of acute gastric erosions and their prevention by the potent semisynthetic amphipathic inhibitor pepstatinyl-glycyl-lysyl-lysine. Ford TF, et al. **Clin Chim Acta** 1985 Jan 15;145(1):37-47

Purification, structure and activation of pepsinogens. Foltmann B. **Prog Clin Biol Res** 1985;173:1-13

Relationship of urinary pepsinogen with serum pepsinogen in duodenal ulcer. Habibullah CM, et al. **Trop Gastroenterol** 1985 Jan-Mar;6(1):26-9

[Acid proteinases in the gastric mucosa in stomach diseases] Kohout J, et al. **Cas Lek Cesk** 1985 Jan 11;124(2):53-6 (Eng. Abstr.) **(Cze)**

[Group I pepsinogen (PG I) in the serum and urine after total gastrectomy] Kodama M, et al. **Nippon Geka Gakkai Zasshi** 1984 Jul;85(7):686-93 (Eng. Abstr.) **(Jpn)**

SECRETION

Mediation of muscarinic stimulation of pepsinogen secretion in the frog. Inoue M, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G79-86

Stimulation of pepsinogen secretion in permeable isolated gastric glands. Norris SH, et al. **Am J Physiol** 1985 Sep; 249(3 Pt 1):G408-15

Combined effect of phorbol ester and, A23187 or dibutyryl cyclic AMP on pepsinogen secretion from isolated gastric glands. Sakamoto C, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):314-9

Effects of ionophore A23187 and lanthanum on pepsinogen secretion from frog esophageal mucosa in vitro. Fong JC. **Biochim Biophys Acta** 1985 Apr 11;814(2):356-62

Inhibition of pepsinogen secretion in isolated gastric glands by amphotericin B is secretagogue specific. Norris SH, et al. **Can J Physiol Pharmacol** 1984 Dec;62(12):1518-24

URINE

Uropepsinogen in human urine: its protein nature, activation and enzymatic properties of activated enzyme. Minamiura N, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1061-9

PEPSTATINS see under **OLIGOPEPTIDES**

PEPTIC ULCER

see related
GASTRECTOMY
ZOLLINGER-ELLISON SYNDROME

Sounding bored--the bedsiae manor! Thomson AB. **J Clin Gastroenterol** 1985 Jun;7(3):193-6

Ulcer recurrence [letter] O'Keefe SD, et al. **S Afr Med J** 1985 Mar 30;67(13):483-4

Frontiers in gastroduodenal disease. Proceedings from a symposium. Göteborg, 5-6 April 1984. **Scand J Gastroenterol [Suppl]** 1985;110:1-111

[Peptic ulcer: proposal of a data collection chart for electronic processing] Favretti F, et al. **Chir Ital** 1982 Dec; 34(6):950-62 (Eng. Abstr.) **(Ita)**

BLOOD

Gastritis, duodenogastric reflux and bacteriology of the gastric remnant in patients operated for peptic ulcer by Billroth I operation. Pääkkönen M, et al. **Ann Clin Res** 1985;17(1):32-6

Serum pepsinogen I in hereditary hypergastrinemic peptic ulcer syndromes. Lamers CB, et al. **Prog Clin Biol Res** 1985;173:273-81

[The healing process of peptic ulcer and coagulation factor XIII] Shizawa Y. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jul;81(7):1559-68 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Erosive gastroduodenitis with marked epithelial atypia after hepatic arterial infusion chemotherapy. Jewell LD, et al. **Am J Gastroenterol** 1985 Jun;80(6):421-4

Gastroduodenal ulcerations in patients receiving selective hepatic artery infusion chemotherapy. Wells JJ, et al. **Am J Gastroenterol** 1985 Jun;80(6):425-9

Peptic ulcer disease and the nonsteroidal anti-inflammatory drugs. Peoples JB. **Am Surg** 1985 Jun;51(6):358-62

Peptic ulcers induced by piroxicam [letter] **Br Med J [Clin Res]** 1985 Mar 9;290(6470):789

Peptic ulcers induced by piroxicam. Fok KH, et al. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):117

Peptic ulcer and piroxicam [letter] Inman WH, et al. **Br Med J [Clin Res]** 1985 Mar 23;290(6472):932-3

Gastrointestinal ulcerogenic activity of tolmetin sodium in rats in comparison with those of indomethacin and aspirin. Yokoyama Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Nov; 32(11):4580-4

Adrenocorticosteroid administration and peptic ulcer: a critical analysis. Conn HO, et al. **J Chronic Dis** 1985; 38(6):457-68

Gastrointestinal lesions and potassium chloride supplements [letter] **Lancet** 1985 Mar 9;1(8428):581-2

[Ulcerogenic potential of corticoids in man: a reality or methodologic artifact?] Perret G. **Rev Pneumol Clin** 1985; 41(2):139-44 (Eng. Abstr.) **(Fre)**

[Experimental ulcer induced by indomethacin in the dog. Morphofunctional changes during its course] Defilippi C, et al. **Rev Med Chil** 1984 Nov;112(11):1090-5 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Failure to thrive associated with chronic ulcer disease in a 9-year-old boy. Benkov KJ, et al. **Am J Gastroenterol** 1985 Jul;80(7):542-6

The prognosis of gastric outlet obstruction. Jaffin BW, et al. **Ann Surg** 1985 Feb;201(2):176-9

Peptic ulcer and hyperplastic polyps in chronic gastric volvulus [letter] Ballardini G, et al. **Gastrointest Endosc** 1985 Aug;31(4):290

Triple lumen pylorus--a complication of peptic ulcer. Moses FM, et al. **Gastrointest Endosc** 1985 Feb;31(1):23-5

Endoscopic findings in patients with ulcer-like dyspepsia. Edenholm M, et al. **Scand J Gastroenterol [Suppl]** 1985; 109:163-7

Endoscopic control of major stress ulcer bleeding. Wara P. **Scand J Gastroenterol [Suppl]** 1984;105:101-3

Unexpectedly high incidence of cytomegalovirus infection in apparent peptic ulcers in renal transplant recipients. Cohen EB, et al. **Surgery** 1985 May;97(5):606-12

[Surgically treated cholelithiasis and peptic ulcer (interdependence, association or coincidence)] Rago E, et al. **Minerva Dietol Gastroenterol** 1985 Jan-Mar;31(1):51-4 (Eng. Abstr.) **(Ita)**

[Epigastric pain in patients with biliary drainage. A symptom not to be overlooked] Bellomi M, et al. **Radiol Med (Torino)** 1984 May;70(5):310-2 (Eng. Abstr.) **(Ita)**

[Cicatricial esophageal stenosis in gastric or duodenal ulcer complicated by reflux esophagitis] Bernat M, et al. **Wiad Lek** 1984 Apr 15;37(8):594-600 **(Pol)**

[Results of surgical treatment of patients in the late stages of ulcerative pyloroduodenal stenosis] Kliminskiĭ IV, et al. **Khirurgiia (Mosk)** 1984 Sep;(9):35-9 (Eng. Abstr.) **(Rus)**

[Selective proximal vagotomy in the surgical treatment of ulcerative stenosis] Kuzin MI, et al. **Khirurgiia (Mosk)** 1985 Feb;(2):3-10 (Eng. Abstr) **(Rus)**

[Role of emergency endoscopy in determining treatment tactics for patients with acute gastroduodenal ulcer hemorrhage] Dotsenko AP, et al. **Klin Khir** 1985 Apr; (4):38-41 (Eng. Abstr.) **(Rus)**

[Vagotomy in the treatment of perforated gastroduodenal ulcers] Ratsa DN. **Klin Khir** 1985 Apr;(4):41-2 (Eng. Abstr.) **(Rus)**

[Rare perforations of gastroduodenal ulcers] Vakhtangishvili RSh, et al. **Klin Khir** 1984 Aug;(8):41-3 (Eng. Abstr.) **(Rus)**

[Factors in the progression of gastric and duodenal diseases in children] Baranov AA, et al. **Pediatriia** 1984 Jul;(7):9-12 (Eng. Abstr.) **(Rus)**

[Complications of peptic ulcer in children] Belousov IuV, et al. **Pediatriia** 1984 Jul;(7):43-5 (Eng. Abstr.) **(Rus)**

[Suturing of perforated gastroduodenal ulcers] Kutukov VE, et al. **Vestn Khir** 1984 Sep;133(9):121-3 **(Rus)**

[Segmental vegetative disorders in patients with peptic ulcer] Bystrov VN, et al. **Vrach Delo** 1985 Mar;(3):76-8 (Eng.

PUBLIC LIBRARY

Abstr.) (Rus)

[Characteristics of the course of viral hepatitis in patients with diabetes mellitus and peptic ulcer] Pinchuk DN, et al. **Vrach Delo** 1985 May;(5):108-11 (Rus)

DIAGNOSIS

Gastrointestinal symptoms in the irritable bowel compared with peptic ulcer and inflammatory bowel disease. Thompson WG. **Gut** 1984 Oct;25(10):1089-92

Dissecting thoracic aortic aneurysm perforating the oesophagus and masquerading as peptic ulcer disease. Axiotis CA. **J R Soc Med** 1985 Feb;78(2):160-1

Endoscopic diagnosis of recurrent peptic ulcer due to retained antrum. Rashid A. **JPMA** 1985 Jan;35(1):24-5

[Polyamine analysis of blood, tissue and gastric juice and its clinical significance. III. Analysis of gastric juice polyamines and its clinical significance] Fuchita N, et al. **Rinsho Byori** 1984 Jul;Spec No 59:176-84 (Jpn)

[Place of fibroendoscopy in the diagnosis of peptic ulcer in the second decade of its routine use] Nowak A. **Pol Arch Med Wewn** 1984 Jul-Aug;72(1-2):21-7 (Eng. Abstr.) (Pol)

[Role of radiography in the diagnosis of gastroduodenal ulcer] Rzymski K. **Pol Arch Med Wewn** 1984 Jul-Aug; 72(1-2):15-20 (Pol)

[Determination of proteolytic activity and chromogastroscopy in the diagnosis of pre-ulcer states in children] Pletneva NB, et al. **Pediatriia** 1984 Sep;(9):41-3 (Rus)

[Dispensary care of patients with peptic ulcer] Ivanov NR, et al. **Sov Med** 1984;(9):65-9 (Rus)

[Changes in the activities of proteolytic enzymes of the stomach in peptic ulcer and their diagnostic significance] Sorokina VG. **Ter Arkh** 1984;56(8):107-10 (Eng. Abstr.) (Rus)

DIET THERAPY

[Home diet therapy of patients with peptic ulcer] Loranskaia TI. **Vopr Pitan** 1984 Jul-Aug;(4):69-72 (Rus)

[Effect of a 'green' diet on various clinical and metabolic indicators in patients with gastrointestinal diseases] Skuia NA, et al. **Vopr Pitan** 1984 Nov-Dec;(6):22-6 (Eng. Abstr.) (Rus)

DRUG THERAPY

Prostaglandins and peptic ulcer disease. Geboes K, et al. **Acta Gastroenterol Belg** 1984 Nov-Dec;47(6):576-82

Pharmacologic options for the control of peptic ulcer disease. Levine JB. **Adv Intern Med** 1984;30:425-47 (110 ref.)

Treatment of ulcer disease. Spenney JG. **Ala J Med Sci** 1985 Jan;22(1):49-53 (11 ref.)

Drug therapy for peptic ulcer disease. Voirin J. **Am Fam Physician** 1984 Dec;30(6):154-9

Cimetidine and sucralfate in bleeding ulcers [letter] Stern WR, et al. **Am J Gastroenterol** 1985 Aug;80(8):659

Third International Sucralfate Symposium. Peptic ulcer disease and gastritis: a worldwide review. September 17, 1984, Lisbon, Portugal. **Am J Med** 1985 Aug 30; 79(2C):1-64

Management of the ulcer patient. Therapeutic advances. **Am J Med** 1984 Nov 19;77(5B):1-122

Therapeutic approach to ulcer healing. Blum AL. **Am J Med** 1985 Aug 30;79(2C):8-14 (71 ref.)

Medical treatment of peptic ulcer disease: is it truly efficacious? Goldberg MA. **Am J Med** 1984 Oct; 77(4):589-91

Interpretation of statistical methodology associated with maintenance trials. Koch GG, et al. **Am J Med** 1984 Nov 19;77(5B):43-50

Review of peptic ulcer maintenance trials. Robinson M. **Am J Med** 1984 Nov 19;77(5B):23-9

Problems associated with medical treatment of peptic ulcer disease. Zimmerman TW. **Am J Med** 1984 Nov 19; 77(5B):51-6

Is there a place in the United Kingdom for intensive antacid treatment for chronic peptic ulceration? Faizallah R, et al. **Br Med J [Clin Res]** 1984 Oct 6;289(6449):869-71

Intensive antacid treatment for peptic ulceration [letter] Rowley-Jones D. **Br Med J [Clin Res]** 1984 Nov 10; 289(6454):1312-3

Prostaglandins, gastroduodenal ulcer and hemorrhagic gastritis. Bright-Asare P, et al. **Clin Physiol Biochem** 1984; 2(2-3):101-10

Pirenzepine: a selective anticholinergic for peptic ulcer. **Drug Ther Bull** 1985 Apr 22;23(8):29-31

Pirenzepine. A review of its pharmacodynamic and pharmacokinetic properties and therapeutic efficacy in peptic ulcer disease and other allied diseases. Carmine AA, et al. **Drugs** 1985 Aug;30(2):85-126 (302 ref.)

Determinants of ulcer healing [letter] Sircus W. **Gastroenterology** 1984 Dec;87(6):1406

Peptic ulcer disease: current management in the elderly. Achkar E. **Geriatrics** 1985 Sep;40(9):77-9, 82-3

Assessing the safety of drugs for the long-term treatment of peptic ulcers. Wormsley KG. **Gut** 1984 Dec; 25(12):1416-23 (116 ref.)

Cimetidine effects and side effects [letter] Myerson RM. **Hosp Pract [Off]** 1985 Feb 15;20(2):18

A comparison of alprazolam, gefarnate and their combination in treatment of peptic ulcer patients--an application of life table analysis. Ogawa N, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Feb;23(2):109-11

Double blind randomised study of tripotassium-di-citrato-bismuthate in the treatment of peptic ulcer. Tripathi BM, et al. **J Assoc Physicians India** 1984 Nov;32(11):964-5

Maintenance cimetidine for up to three years [letter] Walan A, et al. **Lancet** 1985 Jan 12;1(8420):115-6

Furazolidone in peptic ulcer [letter] Zhao HY, et al. **Lancet** 1985 Aug 3;2(8449):276-7

Double-blind short-term trial of furazolidone in peptic ulcer [letter] Zheng ZT, et al. **Lancet** 1985 May 4;1(8436):1048-9

Alpha-2 receptors in the gastrointestinal system: a new therapeutic approach. DiJoseph JF, et al. **Life Sci** 1984 Sep 3;35(10):1031-42 (66 ref.)

Rational choice of drugs for ulcer therapy [letter] **Med J Aust** 1984 Nov 24;141(11):726-7

Stress ulcers--prevention of gastrointestinal bleeding in critical care units. Bank S. **Med J Aust** 1985 Feb 4; 142(3):S17-20

Rational choice of drugs for ulcer therapy [letter] Hansky J, et al. **Med J Aust** 1985 Feb 4;142(3):204

Cytoprotective agents and ulcer relapse. McLean AJ, et al. **Med J Aust** 1985 Feb 4;142(3):S25-8

Pharmacology, clinical efficacy, and adverse effects of sucralfate, a nonsystemic agent for peptic ulcer. Spiro HM. **Pharmacotherapy** 1982 Mar-Apr;2(2):67-71

The role of tricyclics and benzodiazepine compounds in the treatment of irritable gut syndrome and peptic ulcer disease. Shrivastava RK, et al. **Psychopharmacol Bull** 1984 Fall; 20(4):616-21

Use of psychotropic drugs in patients with peptic ulcer. Haggerty JJ Jr, et al. **Psychosomatics** 1985 Apr; 26(4):277-80, 283-4 (54 ref.)

The risk of gastric dysplasia in medical long-term treatment of peptic ulcer disease. Di Mario F, et al. **Scand J Gastroenterol [Suppl]** 1985;111:31-5

Moderate reduction of gastric acid secretion in the treatment of peptic ulcer disease. Jaup BH. **Scand J Gastroenterol [Suppl]** 1985;111:36-40

The use of trimipramine in the treatment of peptic ulcer in Singapore. Kang JY, et al. **Singapore Med J** 1983 Dec; 24(6):343-5

Medical treatment of peptic ulcers. Deveney CW, et al. **Surg Annu** 1985;17:219-33 (91 ref.)

[Advances in clinical observations and experimental research on peptic ulcer treated with traditional Chinese medicine and western medicine] Shi AS. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Jan;5(1):59-62 (39 ref.) (Chi)

[A double-blind short-term clinical trial of furazolidone on peptic ulcer] Zheng ZT. **Chung Hua Nei Ko Tsa Chih** 1984 Apr;23(4):195-7 (Eng. Abstr.) (Chi)

[Cimetidine and rebound] Malbran J. **Therapie** 1985 Jan-Feb; 40(1):31-3 (Eng. Abstr.) (Fre)

[Current acquisitions in hepatogastroenterology] Hamza H. **Tunis Med** 1985 Feb;63(2):85-6 (Fre)

[Dosage of antacids (letter)] Berndt H. **Dtsch Med Wochenschr** 1985 May 17;110(20):817 (Ger)

[Thr role of antacids in modern ulcer therapy] Blum AL. **Dtsch Med Wochenschr** 1985 Jan 4;110(1):3-7 (Ger)

[H2 receptor antagonists and intragastric acidity] Dammann HG, et al. **Dtsch Med Wochenschr** 1984 Nov 16; 109(46):1767-9 (Ger)

[Treatment of ulcer with acetoxolon (letter)] Gabor M. **Dtsch Med Wochenschr** 1985 Jun 28;110(26):1057-8 (Ger)

[Ulcer healing without acid inhibition] Koelz HR. **Dtsch Med Wochenschr** 1985 May 17;110(20):806-9 (Ger)

[Release and bioavailability of a cimetidine retard formula] Hillebrand F. **Wien Med Wochenschr** 1985 Apr 30; 135(8):191-6 (Eng. Abstr.) (Ger)

[Effect of histamine H2 receptor blockers on hepatic elimination of drugs] Kettner W, et al. **Z Gesamte Inn Med** 1985 Feb 15;40(4):96-8 (Eng. Abstr.) (Ger)

[Mechanisms of mucosal protection of peptic ulceration and its clinical therapeutic application (editorial)] Novis B, et al. **Harefuah** 1984 Nov 15;107(10):308-10 (Heb)

[Sucralfate and ulcer (editorial)] Pick A, et al. **Harefuah** 1983 Jun;104(11-12):530-2 (Heb)

[Conservative treatment of uncomplicated peptic ulcer by various methods] Sülle C, et al. **Orv Hetil** 1985 Mar 31; 126(13):757-61 (Eng. Abstr.) (Hun)

[The effects of an H2 receptor antagonist (cimetidine) in asthmatic patients] Kobayashi H, et al. **Arerugi** 1985 Jan; 34(1):23-32 (Eng. Abstr.) (Jpn)

[Tripotassium-dicitrato bismuthate in the treatment of peptic ulcer and the prevention of its recurrence] Gibiński K, et al. **Pol Tyg Lek** 1984 Nov 19;39(47):1547-50 (Eng. Abstr.) (Pol)

[Progress in the pharmacotherapy of peptic ulcer] Stasiewicz J, et al. **Pol Tyg Lek** 1984 Dec 17-31;39(51-52):1721-5 (49 ref.) (Pol)

[Clinical evaluation of De-Nol] Tomecki R, et al. **Pol Tyg Lek** 1984 Sep 10;39(37):1247-8 (Eng. Abstr.) (Pol)

[Selective and locally-acting drugs in the treatment of peptic ulcer] Ryss ES. **Klin Med (Mosk)** 1984 Jul;62(7):10-8 (41 ref.) (Rus)

[Differentiated pharmacotherapy of gastroduodenal ulcers] Tsimmerman IaS. **Klin Med (Mosk)** 1985 Apr;63(4):131-7 (Rus)

[Treatment of peptic ulcer of the gastroduodenal area with the antioxidant dibunol and the change in antioxidant activity of erythrocyte lipids in patients during treatment] Korochkin IM, et al. **Ter Arkh** 1984;56(12):88-90 (Eng. Abstr.) (Rus)

[Problems in the traditional pharmacotherapy and prevention of peptic ulcer] Ryss ES. **Ter Arkh** 1984;56(9):106-10 (29 ref.) (Eng. Abstr.) (Rus)

[Mechanism of action and therapeutic effectiveness of histamine H2 receptor blockaders in peptic ulcer] Glubochenko VG, et al. **Vrach Delo** 1985 Feb;(2):13-5 (Eng. Abstr.) (Rus)

[Treatment of ulcer disease using H2 antihistaminics] Vladár L, et al. **Vnitr Lek** 1985 Aug;31(8):810-2 (Eng. Abstr.) (Slo)

[Pharmacologic treatment of ulcers] Honorato Pérez J, et al. **Rev Med Univ Navarra** 1984 Jun;28(2):53-8 (Spa)

ECONOMICS

Health and economic aspects of peptic ulcer disease. Jensen DM. **Am J Med** 1984 Nov 19;77(5B):8-14

Cimetidine vs gastroscopy [letter] Poolman J. **Med J Aust** 1985 Aug 5;143(3):132

ENZYMOLOGY

Gastrointestinal mucosal gamma-glutamyl transpeptidase activity changes in different ulcer models of rat. Náfrádi J, et al. **Agents Actions** 1984 Dec;15(5-6):549-50

Lysosomal acid hydrolase alterations in gastric mucosa from an experimental peptic ulcer model. Watson RG, et al. **Surg Gynecol Obstet** 1985 Jul;161(1):57-63

[Disaccharidases of gastric mucosa in gastroduodenal ulcer] Wanat-Chromy M, et al. **Pol Arch Med Wewn** 1985 Jan; 73(1):21-5 (Eng. Abstr.) (Pol)

[Histoenzymological and electron microscopy changes in the gastric mucosa of patients with peptic ulcer] Degtiareva II, et al. **Vrach Delo** 1985 Feb;(2):20-6 (Rus)

ETIOLOGY

Clinical factors predisposing to major ulcer bleeding. A logistic regression analysis. Wara P, et al. **Acta Chir Scand** 1985;151(4):349-54

Pathogenetic factors in peptic ulcer disease. Richardson CT. **Am J Med** 1985 Aug 30;79(2C):1-7

Influence of amines in the brain and gastric wall on development of stress ulcers. Kodama O, et al. **Hiroshima J Med Sci** 1985 Mar;34(1):101-7

Pyloric Campylobacter finds a volunteer [editorial] **Lancet** 1985 May 4;1(8436):1021-2

Disorder of the pineal gland associated with depression, peptic ulcers, and sexual dysfunction. Maurizi CP. **South Med J** 1984 Dec;77(12):1516-8 (39 ref.)

[Peptic ulcer and systemic diseases] Wang HZ. **Chung Hua I Hsueh Tsa Chih** 1984 Nov;64(11):701-5 (Chi)

[Stress ulcer] Wu WR. **Chung Hua Wai Ko Tsa Chih** 1984 Jul;22(7):434-40 (39 ref.) (Chi)

[Stress ulcers] Suchý T, et al. **Rozhl Chir** 1984 Sep; 63(8-9):564-70 (Eng. Abstr.) (Cze)

[Comparative study of 4 groups of gastroduodenal ulcers in children] Descos B, et al. **Arch Fr Pediatr** 1984 Jun-Jul; 41(6):399-404 (Eng. Abstr.) (Fre)

[Postoperative jejunal peptic ulcer. A series of 50 cases] Vayre P, et al. **Chirurgie** 1984;110(8-9):700-4 (Eng. Abstr.) (Fre)

[Peptic ulcer of the cologastric anastomosis in esophagoplasties] Popovici Z, et al. **J Chir (Paris)** 1984 Oct;121(10):599-603 (Eng. Abstr.) (Fre)

[Gastroduodenal mucosa in chronic renal insufficiency. Histoendoscopic and hormonal studies in 27 patients] Saffar H, et al. **Tunis Med** 1984 Mar-Apr;62(2):119-23 (Eng. Abstr.) (Fre)

[Cimetidine therapy of stress ulcer caused by life-threatening illnesses in children] Hencz P, et al. **Orv Hetil** 1984 Aug 12;125(33):2005-7 (Eng. Abstr.) (Hun)

[Stress ulcers. Clinical study of patients recovering in an intensive care center] Manieri R, et al. **Ann Ital Chir** 1985; 57(1):33-50 (Eng. Abstr.) (Ita)

[Gastroduodenal peptic pathology in chronic renal failure during hemodialysis] Ambrosini F, et al. **Clin Ter** 1984 Aug 15;110(3):209-14 (Eng. Abstr.) (Ita)

[Etiopathogenetic factors in postoperative peptic ulcer] Vecchi R, et al. **Minerva Chir** 1985 Mar 31;40(6):313-7 (Eng. Abstr.) (Ita)

[Pathogenesis and therapy of peptic ulcer associated with chronic myelocytic leukemia] Mitsutani S. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jul;81(7):1652 (Jpn)

[New theories on the etiopathogenesis of gastroduodenal ulcer] Gibiński K. **Pol Arch Med Wewn** 1984 Jul-Aug; 72(1-2):9-13 (Pol)

[Hypergastrinemia in liver cirrhosis, renal failure and conditions after small-intestinal resection as a pathogenetic factor in peptic ulcer] Hrynkiewicz Z. **Wiad Lek** 1984 Apr 15;37(8):625-30 (35 ref.) (Eng. Abstr.) (Pol)

[Postoperative ulcer] Juvara I, et al. **Rev Chir [Chir]** 1984 Sep-Oct;33(5):331-42 (Eng. Abstr.) (Rum)

[Postoperative peptic ulcers. Prognostic and surgical management characteristics] Seicaru T, et al. **Rev Chir [Chir]** 1985 Mar-Apr;34(2):99-112 (Eng. Abstr.)

(Rum)

[Incidence and conditions for development of symptomatic gastroduodenal ulcers] Geller LI, et al. **Klin Med (Mosk)** 1984 Aug;62(8):55-9 (Eng. Abstr.) **(Rus)**

[Disputable problems of the etiology, pathogenesis and classification of peptic ulcer] Rabinovich PD. **Klin Med (Mosk)** 1984 Aug;62(8):146-8 **(Rus)**

[Imbalance of aggression and protective factors in the gastric juice in children with exacerbated peptic ulcer] Dorofeĭchuk VG, et al. **Pediatriia** 1984 Jul;(7):40-2 (Eng. Abstr.) **(Rus)**

[Secretin and peptic ulcer] Malov IuS. **Ter Arkh** 1985; 57(2):6-9 (Eng. Abstr.) **(Rus)**

[Peptic ulcer: clinico-endoscopic and biochemical aspects of the development and healing of the peptic defect] Murashov BF, et al. **Ter Arkh** 1985;57(2):40-3 (Eng. Abstr.) **(Rus)**

[Unresected antral mucosa in the duodenal and gastric stump—a cause of peptic ulcer of the anastomosis] Saenko VF, et al. **Vestn Khir** 1985 Jan;134(1):46-9 (Eng. Abstr.) **(Rus)**

[Secondary gastroduodenal ulcers and erosions in patients with chronic liver and pancreatic diseases] Geller LI, et al. **Vrach Delo** 1984 Oct;(10):32-5 (Eng. Abstr.) **(Rus)**

[Various problems of the pathogenesis of peptic ulcer] Komissarov VA. **Vrach Delo** 1985 May;(5):11-4 (Eng. Abstr.) **(Rus)**

[Hepatobiliary diseases as a risk factor in peptic ulcer] Voloshin AI. **Vrach Delo** 1984 Oct;(10):24-7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Pepsinogens and other physiologic markers in genetic studies of peptic ulcer and related disorders. Rotter JI, et al. **Prog Clin Biol Res** 1985;173:227-44 (36 ref.)

[Genetic and immunological aspects of peptic ulcer] Słotwiński R, et al. **Pol Tyg Lek** 1985 Feb 18;40(7):205-7 (28 ref.) **(Pol)**

[Acute myocardial infarction in brothers with peptic ulcer] Bakaliuk OI, et al. **Vrach Delo** 1985 Jun;(6):24-5 **(Rus)**

[Dermatoglyphic markers of hereditary predisposition in patients with peptic ulcer, chronic gastritis and cholecystitis] Tsimmerman IaS, et al. **Vrach Delo** 1985 Jan;(1):16-9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immune response to Campylobacter pyloridis in patients with peptic ulceration [letter] Kaldor J, et al. **Lancet** 1985 Apr 20;1(8434):921

Gastroduodenal ulceration in rabbits producing antibodies to prostaglandins. Olson GA, et al. **Prostaglandins** 1985 Mar;29(3):475-80

[Cellular immunity in patients with frequently recurring peptic ulcer after complex treatment using granulocyte concentrates] Preobrazhenskiĭ VN, et al. **Ter Arkh** 1985; 57(2):55-8 (Eng. Abstr.) **(Rus)**

METABOLISM

A statistical evaluation on the age and sex distribution of basal serum gastrin and gastric acid secretion in subjects with or without peptic ulcer disease. Tahir H, et al. **Hiroshima J Med Sci** 1984 Jun;33(2):125-30

Amino acid in gastric juice of peptic ulcer patients. Segawa K, et al. **Jpn J Med** 1985 Feb;24(1):34-8

[Gastrin receptors in the human gastrointestinal tract—behavior in cancer and gastroduodenal ulcer] Peitsch W. **Z Gastroenterol [Verh]** 1985 Apr;20:10-4 **(Ger)**

[Quantitative study on macromolecular glycoprotein in gastric mucosa] Kobayashi E, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 May;82(5):1308-17 (Eng. Abstr.) **(Jpn)**

[Lipid peroxidation in patients with gastroduodenal diseases] Murashko VV, et al. **Klin Med (Mosk)** 1984 Oct; 62(10):47-50 **(Rus)**

[Biogenic amines in gastroduodenal pathology in children] Mel'gunova IA, et al. **Pediatriia** 1985 Jun;(6):15-7 (Eng. Abstr.) **(Rus)**

[Disorders of amino acid pool in the blood and gastric mucosa in patients with peptic ulcer] Degtiareva II, et al. **Ter Arkh** 1984;56(8):100-6 (Eng. Abstr.) **(Rus)**

[Possible ways of correcting disorders of the amino acid content of the blood serum and gastric mucosa during treatment of peptic ulcer] Degtiareva II, et al. **Ter Arkh** 1984;56(11):58-64 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Campylobacter pyloridis in peptic ulcer [letter] Kaldor J, et al. **Lancet** 1985 Jun 22;1(8443):1444

Immune response to Campylobacter pyloridis [letter] Rathbone BJ, et al. **Lancet** 1985 May 25;1(8439):1217

Bacteria, gastritis, acid hyposecretion and peptic ulcer [editorial] Piper DW. **Med J Aust** 1985 Apr 15;142(8):431

Intragastric bacterial overgrowth—a possible risk in the long-term treatment of peptic ulcer disease. Round table conference, XIIth International Congress of Gastroenterology, Lisbon, 21 September, 1984. **Scand J Gastroenterol [Suppl]** 1985;111:1-51

MORTALITY

Deaths from peptic ulceration. Taylor TV. **Br Med J [Clin Res]** 1985 Sep 7;291(6496):653-4 (32 ref.)

Mortality from peptic ulcer in Singapore 1938-1980. Kang JY. **Singapore Med J** 1983 Dec;24(6):333-6

NURSING

[Peculiarities of nursing measures in acute diseases from the internal medicine viewpoint] Reinhardt H. **ZFA** 1985 May-Jun;40(3):183-8 **(Ger)**

OCCURRENCE

Disability pensions due to peptic ulcer in Germany between 1953 and 1983. Sonnenberg A. **Am J Epidemiol** 1985 Jul; 122(1):106-11

The incidence of duodenal and gastric ulcers in a large health maintenance organization. Kurata JH, et al. **Am J Public Health** 1985 Jun;75(6):625-9

Sex differences in peptic ulcer disease. Kurata JH, et al. **Gastroenterology** 1985 Jan;88(1 Pt 1):96-100

Peptic ulcer in male factory workers: a survey of prevalence, incidence, and aetiological factors. Araki S, et al. **J Epidemiol Community Health** 1985 Mar;39(1):82-5

Seasonal periodicity of peptic ulcer: a myth [letter] Negre J. **Lancet** 1985 Jun 29;1(8444):1504-5

Cimetidine and peptic ulcer [letter] Blaxland CJ. **Med J Aust** 1984 Nov 10;141(10):681-2

Epidemiology of peptic ulcer in Australia [letter] Seddon TD. **Med J Aust** 1984 Oct 13;141(8):550-1

Adverse environmental factors, peptic ulcer and chronic gastritis in a metalworking industry. Magni G, et al. **Med Lav** 1984 May-Jun;75(3):215-20

Morbidity of peptic ulcer. Registration of hospital discharges in Denmark 1978-1980. Schmidt K, et al. **Scand J Gastroenterol** 1984 Sep;19(6):849-52

Peptic ulcer disease in Barbadian children and adolescents. Edwards CN. **West Indian Med J** 1985 Jun;34(2):98-100

[Epidemio-clinical characteristics of ulcer disease in Vojvodina] Zivanović MB. **Med Pregl** 1983; 36(11-12):477-80 (Eng. Abstr.) **(Scr)**

PATHOLOGY

Intestinal metaplasia of the stomach. I: Quantitative analysis in gastric peptic ulcer and in incipient adenocarcinoma in Japanese subjects. Rubio CA, et al. **Anticancer Res** 1985 Jul-Aug;5(4):435-40

[Antral G cell distribution and its relationship with pathogenesis of peptic ulcer] Jin QX. **Chung Hua Nei Ko Tsa Chih** 1984 Apr;23(4):204-6 (Eng. Abstr.) **(Chi)**

[Occurrence and topography of intestinal metaplasia of gastric mucosa in patients with gastric and duodenal ulcers and in a control group] Rembiasz K, et al. **Patol Pol** 1984 Jul-Sep;35(3):287-308 (Eng. Abstr.) **(Pol)**

[Systemic morphological characteristics of the digestive organs in peptic ulcer and postgastrectomy complications] Pruglo IuV. **Klin Khir** 1984 Aug;(8):11-5 (Eng. Abstr.) **(Rus)**

[Content of PAS-positive substances in the gastric juice of patients with chronic gastritis, gastroduodenitis, stomach ulcer and duodenal ulcer] Enokhovich VA, et al. **Lab Delo** 1984;(12):723-5 (Eng. Abstr.) **(Rus)**

[Morphological changes in the gastric mucosa of peptic ulcer patients] Degtiareva II, et al. **Vrach Delo** 1984 Nov; (11):83-8 (Eng. Abstr.) **(Rus)**

[Changes in the gastric and duodenal mucosa in experimental erosive ulcerative gastroduodenitis before and after selective proximal vagotomy] Kiseleva AF, et al. **Vrach Delo** 1985 May;(5):14-8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Peptic ulcer disease: physiology and pathophysiology. Holt KM, et al. **Hosp Pract [Off]** 1985 Jan 15;20(1):89-93, 96-101, 104-6

Stress ulceration: possible pathogenic mechanisms. Guldvog I. **Scand J Gastroenterol [Suppl]** 1984;105:9-13

[Effect of the types of agricultural work on the functional indices of the gastroduodenal system in healthy persons and peptic ulcer patients] Rabinovich PD, et al. **Gig Tr Prof Zabol** 1985 Jan;(1):3-6 (Eng. Abstr.) **(Rus)**

[Gastric secretory function in patients with complicated peptic ulcer] Fedoruk OB, et al. **Klin Khir** 1984 Aug; (8):32-3 (Eng. Abstr.) **(Rus)**

[Effect of selective proximal vagotomy on the evacuatory motor function of the stomach in the early postoperative period] Gerich RP, et al. **Klin Khir** 1984 Aug;(8):22-5 (Eng. Abstr.) **(Rus)**

[The emptying function of the stomach in peptic ulcer] Kuzin NM, et al. **Klin Med (Mosk)** 1984 Oct;62(10):61-4 (Eng. Abstr.) **(Rus)**

[Intestinal absorption in children with gastric and duodenal diseases] Khamraev AKh, et al. **Pediatriia** 1984 Jul;(7):22-4 (Eng. Abstr.) **(Rus)**

[The pituitary-adrenal system in peptic ulcer and chronic gastritis] Vakhrushev IaM. **Sov Med** 1984;(10):13-5 (Eng. Abstr.) **(Rus)**

[Reverse diffusion of hydrogen ions and its correlation with acid secretion and proliferative activity of gastric mucosal epithelium in patients with variants of chronic gastritis and peptic ulcer] Geller LI, et al. **Ter Arkh** 1984;56(12):90-4 (Eng. Abstr.) **(Rus)**

[Liver exocrine function in patients after gastrectomy for peptic ulcer] Loranskaia TI, et al. **Vopr Pitan** 1985 May-Jun;(3):13-6 (Eng. Abstr.) **(Rus)**

[Hemostatic function in peptic ulcer and stomach cancer] Orlov VA, et al. **Vrach Delo** 1984 Nov;(11):80-3 (Eng. Abstr.) **(Rus)**

[Radioisotope test of liver function in patients with gastroduodenitis and peptic ulcer] Peleshchuk AP, et al. **Vrach Delo** 1985 Apr;(4):78-81 (Eng. Abstr.) **(Rus)**

[Proteolytic enzyme secretion by the gastric glands in peptic ulcer and gastritis] Sorokina VG, et al. **Vrach Delo** 1984 Oct;(10):21-4 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prophylaxis for acute stress ulcers. Antacids or cimetidine. Kingsley AN. **Am Surg** 1985 Sep;51(9):545-7

Cytoprotective effect of pentagastrin and epidermal growth factor on stress ulcer formation. Possible role of somatostatin. Sakamoto T, et al. **Ann Surg** 1985 Mar; 201(3):290-5

Effects of a gastric antisecretory-cytoprotectant 2-methyl-8-(phenylmethoxy)imidazo[1,2-a]pyridine-3-ac (Sch 28 080) on cysteamine, reserpine and stress ulcers in rats. Chiu PJ, et al. **Arzneimittelforsch** 1984;34(7):783-6

Combination therapy with ranitidine and pirenzepine for control of intragastric pH in the critically ill. More DG, et al. **Crit Care Med** 1985 Aug;13(8):651-5

Cimetidine prophylaxis of acute stress erosions [letter] Myerson RM. **Crit Care Med** 1985 Jun;13(6):515-6

Prevention of stress-induced upper gastrointestinal bleeding by cimetidine in patients on assisted ventilation. van den Berg B, et al. **Digestion** 1985;31(1):1-8

Avoidance of gastroduodenal toxicity in patients receiving hepatic arterial 5-fluoro-2'-deoxyuridine. Hohn DC, et al. **J Clin Oncol** 1985 Sep;3(9):1257-60

Drinking and smoking when taking H2-antagonists [letter] Gough KR, et al. **Lancet** 1985 Jan 12;1(8420):114-5

[Incidence of gastro-duodenal stress lesions in trauma patients requiring intensive care, treated with secretory inhibitors. A double blind study] Barandun J, et al. **Schweiz Rundsch Med Prax** 1984 Sep 18;73(38):1145-6 (Eng. Abstr.) **(Ger)**

[Experiences with the histamine-H2-receptor antagonist ranitidine in the prevention of stress ulcers] Klima P. **Wien Med Wochenschr** 1984 Aug 31;134(15-16):369-73 (Eng. Abstr.) **(Ger)**

[Control of the intragastric pH value in infection and peritonitis by ranitidine versus cimetidine. A double-blind study] Ketterl R, et al. **Z Gastroenterol** 1984 Oct; 22(10):602-8 (Eng. Abstr.) **(Ger)**

[Management of complications of steroid therapy] Hara M, et al. **Nippon Rinsho** 1984 Nov;42(11):2516-9 (5 ref.) **(Jpn)**

[Prostaglandins and peptic ulcer] Piqué Badía JM. **Med Clin (Barc)** 1984 Dec 1;83(18):759-61 **(Spa)**

PSYCHOLOGY

Affective expression in organic and functional gastrointestinal disease. Heerlein A, et al. **Psychother Psychosom** 1984; 42(1-4):152-5

Stress management in the long-term treatment of peptic ulcer disease. Dotevall G. **Scand J Gastroenterol [Suppl]** 1985; 111:41-7

Psychological aspects of non-ulcer dyspepsia: a psychosomatic view focusing on a comparison between the irritable bowel syndrome and peptic ulcer disease. Sjödin I, et al. **Scand J Gastroenterol [Suppl]** 1985;109:51-8 (47 ref.)

A psychosomatic approach to treatment in the irritable bowel syndrome and peptic ulcer disease with aspects of the design of clinical trials. Svedlund J, et al. **Scand J Gastroenterol [Suppl]** 1985;109:147-51

[Peptic ulcer and psychosocial stress] Wolff G. **Z Arztl Fortbild (Jena)** 1985;79(7):297-301 **(Ger)**

[Clinical conference at the Brazilian Institute for Study and Research in Gastroenterology] **Arq Gastroenterol** 1984 Oct-Dec;21(4):201-8 **(Por)**

RADIOGRAPHY

Computed tomographic findings in penetrating peptic ulcer. Madrazo BL, et al. **Radiology** 1984 Dec;153(3):751-4

RADIOTHERAPY

The neoplastic potential of gastric irradiation. IV. Risk estimates. Griem ML, et al. **Am J Clin Oncol** 1984 Dec; 7(6):675-7

Sarcomas arising after radiotherapy for peptic ulcer disease. Lieber MR, et al. **Dig Dis Sci** 1985 Jun;30(6):593-9

REHABILITATION

[Prospects of improving step-by-step rehabilitation of patients with peptic ulcer] Samson EI, et al. **Ter Arkh** 1985; 57(2):61-3 (Eng. Abstr.) **(Rus)**

[Patient rehabilitation following the surgical treatment of gastric and duodenal peptic ulcer] Polazhinets MN, et al. **Vestn Khir** 1984 Dec;133(12):19-21 (Eng. Abstr.) **(Rus)**

SURGERY

Gastric carcinoma after peptic ulcer surgery. Perez D, et al. **Am Surg** 1984 Oct;50(10):538–40

Results of elective surgery for recurrent ulcer. Högström H, et al. **Ann Chir Gynaecol** 1984;73(5):245–8

Transthoracic vagotomy for postoperative peptic ulcer. Effects on basal, sham feeding– and pentagastrin–stimulated acid secretion, and on clinical outcome. Thirlby RC, et al. **Ann Surg** 1985 May;201(5):648–55

Gastric emptying and sieving of solid food and pancreatic and biliary secretions after solid meals in patients with nonresective ulcer surgery. Mayer EA, et al. **Gastroenterology** 1984 Dec;87(6):1264–71

Changing patterns of gastric surgery in a district general hospital. Dreghorn CR, et al. **Health Bull (Edinb)** 1984 Sep; 42(5):263–7

Pitfalls in the diagnosis of recurrent ulceration after surgery for peptic ulcer disease. Mosiman F, et al. **J Clin Gastroenterol** 1985 Apr;7(2):133–6

Is there a place for elective surgery for peptic ulcer? [editorial] Coleman MJ. **Med J Aust** 1985 Jul 8;143(1):3

Cimetidine and ulcer surgery. Some results for Queensland men and women by ulcer type. Doessel DP, et al. **Med J Aust** 1985 Jul 8;143(1):16–9

Peptic ulcer surgery, 1985. Hugh TB. **Med J Aust** 1985 Jul 8;143(1):37–9 (41 ref.)

Elective surgery for peptic ulcer: a five–year review. O'Rourke IC. **Med J Aust** 1985 Jul 8;143(1):13–6

Delayed gastric emptying after operation for obstructing peptic ulcer disease: the influence of cimetidine. Smale BF, et al. **Surgery** 1984 Oct;96(4):592–8

Stump cancer after partial gastrectomy for peptic ulcer. Wu CW, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Dec; 83(12):1252–9

Influence of vagotomy upon GIP release in patients with peptic ulcer. Imamura M, et al. **Tohoku J Exp Med** 1984 Jul;143(3):335–44

[Surgical therapeutic attitude towards complicated stress ulcers in children] Meyrat BJ, et al. **Chir Pediatr** 1985; 26(1):13–6 (Eng. Abstr.) **(Fre)**

[Recurrent postoperative ulcers. Prospective endoscopic and therapeutic study] Mosimann F, et al. **Schweiz Rundsch Med Prax** 1984 Aug 28;73(35):1055–7 (Eng. Abstr.) **(Fre)**

[Standardized ulcer surgery. Results of 10 years' experience] Linder MM, et al. **Dtsch Med Wochenschr** 1985 May 3; 110(18):719–20 (Eng. Abstr.) **(Ger)**

[Peripheral venous parenteral feeding in abdominal surgery] Peitsch W, et al. **Infusionsther Klin Ernahr** 1984 Dec; 11(6):299–304 (Eng. Abstr.) **(Ger)**

[Is surgery of gastroduodenal ulcer still necessary?] Aeberhard P, et al. **Ther Umsch** 1984 Sep;41(9):614–7 (Eng. Abstr.) **(Ger)**

[Enterogastric reflux following resected and nonresected stomach operations] Kutschka R, et al. **Zentralbl Chir** 1984; 109(18):1181–7 (Eng. Abstr.) **(Ger)**

[Evaluation of long–term results in 254 patients surgically treated by gastric resection for peptic ulcer] Sivelli R, et al. **Chir Ital** 1982 Oct;34(5):658–76 (Eng. Abstr.) **(Ita)**

[Current methods of the surgical treatment of peptic ulcer] Góral R. **Pol Arch Med Wewn** 1984 Jul–Aug;72(1–2):37–44 **(Pol)**

[Comparative evaluation of late results of partial gastrectomy by the Rydygier and Billroth II methods in the treatment of peptic ulcer] Suchorski H. **Wiad Lek** 1984 Dec 1; 37(23):1841–5 (Eng. Abstr.) **(Pol)**

[Postoperative peptic ulcer] Bușu I, et al. **Rev Chir [Chir]** 1985 Jan–Feb;34(1):1–5 (Eng. Abstr.) **(Rum)**

[Surgical treatment of post–gastric resection peptic ulcers] Chernousov AF, et al. **Khirurgiia (Mosk)** 1985 Feb; (2):99–104 **(Rus)**

[Current methods of diagnosis and surgical treatment of acute gastrointestinal ulcers complicated by hemorrhage and perforation] Patskan' BM, et al. **Klin Khir** 1985 Apr;(4):23–5 (Eng. Abstr.) **(Rus)**

[Surgical treatment of combined ulcers of the stomach and duodenum] Shalimov AA, et al. **Klin Khir** 1984 Aug;(8):1–4 (Eng. Abstr.) **(Rus)**

[Surgical treatment of peptic ulcers of a gastroenteroanastomosis] Vitebskiĭ IaD, et al. **Klin Khir** 1984 Aug;(8):58–60 (Eng. Abstr.) **(Rus)**

[Effect of various methods of surgical treatment on clinico–immunological indicators in peptic ulcer patients] Pomelov VS, et al. **Sov Med** 1984;(7):11–7 (Eng. Abstr.) **(Rus)**

[Means of improving the surgical treatment of gastric and duodenal peptic ulcer] Gorbashko AI, et al. **Vestn Khir** 1985 Apr;134(4):12–7 (Eng. Abstr.) **(Rus)**

[Vagotomy in the treatment of gastroduodenal ulcers in middle–aged and elderly patients] Spivak VP, et al. **Vestn Khir** 1985 Mar;134(3):24–8 (Eng. Abstr.) **(Rus)**

[Recurrent peptic ulcer after vagotomy] Vakhidov VV, et al. **Vestn Khir** 1985 Feb;134(2):28–31 (Eng. Abstr.) **(Rus)**

[Comparison of dysplastic changes in gastric stump mucosa in relation to the location of peptic ulcer surgery] Pašić F, et al. **Acta Med Iugosl** 1985;39(2):135–46 (Eng. Abstr.) **(Scr)**

THERAPY

Update in treatment of peptic ulcer disease. Schubert TT. **Mo Med** 1984 Nov;81(11):723–7 (64 ref.)

[Diagnosis and treatment of stress ulcer] Duan ZQ. **Chung Hua Wai Ko Tsa Chih** 1984 Jul;22(7):400–3, 444 (Eng. Abstr.) **(Chi)**

[Effect of proximal selective vagotomy on gastric acidity production] Bátorfi J, et al. **Orv Hetil** 1985 May 26; 126(21):1273–6 (Eng. Abstr.) **(Hun)**

[Current views on the conservative treatment of peptic ulcer] Hasik J. **Pol Arch Med Wewn** 1984 Jul–Aug;72(1–2):29–36 **(Pol)**

[Helium–neon laser and dibunol in gastric and duodenal ulcer] Korochkin IM, et al. **Sov Med** 1985;(1):31–5 **(Rus)**

[Effectiveness of treatment of peptic ulcer in relation to ambulatory treatment and length of hospital stay] Masevich TsG, et al. **Sov Med** 1985;(3):70–2 **(Rus)**

[Comparative results of the treatment of gastroduodenal ulcers with low–energy laser and hyperbaric oxygenation] Kerin VV, et al. **Ter Arkh** 1985;57(2):47–9 (Eng. Abstr.) **(Rus)**

[Hormonal mechanism of action of drinking mineral waters in peptic ulcer] Kuznetsov BG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Nov–Dec;(6):1–7 (Eng. Abstr.) **(Rus)**

[Parenteral feeding problems in patients with complicated forms of peptic ulcer] Krivitskiĭ DI, et al. **Vrach Delo** 1984 Sep;(9):8–11 (Eng. Abstr.) **(Rus)**

[Treatment of patients with uncomplicated peptic ulcer] Krylov AA. **Vrach Delo** 1985 Feb;(2):30–1 **(Rus)**

[Use of sodium oxyferriscorbone, lidocaine and therapeutic endoscopy in peptic ulcer] Starodub EM, et al. **Vrach Delo** 1984 Sep;(9):11–3 (Eng. Abstr.) **(Rus)**

URINE

[Indicators of carbohydrate–containing biopolymers in children and adults with peptic ulcer and in their relatives] Sirotkin EA, et al. **Pediatriia** 1984 Jul;(7):37–40 (Eng. Abstr.) **(Rus)**

[Seasonal and circadian rhythms of the excretion of androgens and their fractions in peptic ulcer patients in the remission phase in the markedly continental climate of Transbaikalia] Ell'bart VL. **Ter Arkh** 1985;57(1):80–4 (Eng. Abstr.) **(Rus)**

PEPTIC ULCER HEMORRHAGE

BLOOD

[Oxygen transport function of the blood in patients with ulcerative gastroduodenal hemorrhage] Matveev SB, et al. **Khirurgiia (Mosk)** 1984 Sep;(9):72–5 (Eng. Abstr.) **(Rus)**

[Free amino acids in the blood serum of patients with complicated forms of peptic ulcer before and after surgery] Zadorozhnyĭ AA, et al. **Vestn Khir** 1984 Nov;133(11):26–30 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Gastric microbleeding measurements during one day treatment with indomethacin and indomethacin plus sodium salicylate (1 : 10) in patients. Nagy L, et al. **Acta Physiol Hung** 1984;64(3–4):373–7

Peptic ulcer disease and the nonsteroidal anti–inflammatory drugs. Peoples JB. **Am Surg** 1985 Jun;51(6):358–62

COMPLICATIONS

Duodenal ulcer with perforation to the inferior vena cava. Report of a fatal case. Dalsgaard S, et al. **Acta Chir Scand** 1985;151(2):181–2

Importance of hypovolaemic shock and endoscopic signs in predicting recurrent haemorrhage from peptic ulceration: a prospective evaluation. Bornman PC, et al. **Br Med J [Clin Res]** 1985 Jul 27;291(6490):245–7

Jejunal perforation as a result of massive gastrointestinal bleeding from a duodenal ulcer. Fox JN, et al. **Scott Med J** 1984 Apr;29(2):109–10

[Profuse ulcerative gastroduodenal hemorrhage complicating hemophilia] Gegia ESh, et al. **Khirurgiia (Mosk)** 1984 Nov; (11):141 **(Rus)**

[Rare case of large hiatal hernia associated with giant stomach ulcer complicated by profuse hemorrhage and abscess of the hernia sac] Zaĭtsev VT, et al. **Klin Khir** 1984 Oct;(10):73 **(Rus)**

[Bleeding duodenal ulcer associated with annular pancreas] Kaltaev KK. **Klin Med (Mosk)** 1985 Mar;63(3):113–4 **(Rus)**

DIAGNOSIS

Endoscopic prediction of major rebleeding––a prospective study of stigmata of hemorrhage in bleeding ulcer. Wara P. **Gastroenterology** 1985 May;88(5 Pt 1):1209–14

[Ulcer hemorrhage: diagnosis, risk factors, conservative therapy] Arendt R, et al. **Z Arztl Fortbild (Jena)** 1985; 79(8):327–31 **(Ger)**

[Role of emergency endoscopy in determining treatment tactics for patients with acute gastroduodenal ulcer hemorrhage] Dotsenko AP, et al. **Klin Khir** 1985 Apr; (4):38–41 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of hemorrhages in peptic ulcer] Briskin BS. **Klin Med (Mosk)** 1985 Apr;63(4):124–31 (22 ref.) (Eng. Abstr.) **(Rus)**

[Emergency endoscopy in symptomatic gastroduodenal ulcers complicated by hemorrhage] Kalinin AV, et al. **Klin Med (Mosk)** 1985 Feb;63(2):100–2 (Eng. Abstr.) **(Rus)**

[Clinical characteristics of duodenal ulcer complications in children and the procedure for their treatment] Paramonov AA. **Pediatriia** 1985 Jun;(6):38–40 **(Rus)**

[Possibilities of endoscopic diagnosis and treatment of acute complications of gastric and duodenal ulcer] Buianov VM, et al. **Sov Med** 1984;(12):43–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

A comparison of cimetidine and sucralfate in the treatment of bleeding peptic ulcers. Goldfarb JP, et al. **Am J Gastroenterol** 1985 Jan;80(1):5–7

Prostaglandins, gastroduodenal ulcer and hemorrhagic gastritis. Bright–Asare P, et al. **Clin Physiol Biochem** 1984; 2(2–3):101–10

Does drug therapy prevent recurrent bleeding from peptic ulcers? **Drug Ther Bull** 1984 Nov 19;22(23):90–2

Treatment of relapsing bleeding peptic ulcers with the somatostatin analogue SMS 201 995 in a patient with Zollinger–Ellison syndrome. Wörmann B, et al. **Hepatogastroenterology** 1985 Jun;32(3):152–3

Cimetidine reduces the risk of rebleeding from duodenal ulcers displaying signs of recent haemorrhage. Stiel D, et al. **Scand J Gastroenterol** 1984 Sep;19(6):798–801

Histamine2–receptor antagonists in gastroduodenal ulcer haemorrhage. Falk A, et al. **Scand J Gastroenterol [Suppl]** 1985;110:95–100

Non–HCl–reducing medications: do they have a place in therapy? Kauffman GL Jr. **Scand J Gastroenterol [Suppl]** 1984;105:92–6

[Clinical research on the hemostatic effect of rhubarb on peptic ulcer with acute bleeding] Jiao DH. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Oct;4(10):597–600, 579 (Eng. Abstr.) **(Chi)**

[Formation of a gastric bezoar following upper digestive hemorrhage caused by a medically–treated ulcer] Gentile F, et al. **J Radiol** 1984 Jun–Jul;65(6–7):475–6 (Eng. Abstr.) **(Fre)**

[Antacid prevention of stress lesions hinders endoscopic hemostasis (letter)] Zillessen E. **Dtsch Med Wochenschr** 1985 Aug 23;110(34):1311–2 **(Ger)**

[Short–term effects of cimetidine in patients with bleeding duodenal ulcer. Presentation of cases] Uggeri G, et al. **Chir Ital** 1983 Oct;35(5):663–79 (Eng. Abstr.) **(Ita)**

[Effect of the synthetic antioxidants ionol and dibunol on hemorrhagic ulcerative lesions of the stomach in rats] Vaĭnshteĭn SG, et al. **Farmakol Toksikol** 1984 Nov–Dec; 47(6):87–90 (Eng. Abstr.) **(Rus)**

[Characteristics of beta 2–adrenergic regulation of gastric secretion, hemostasis and cardiac rhythm in patients with duodenal ulcer and a history of hemorrhagic complications (effect of alupent)] Fisher AA, et al. **Ter Arkh** 1985; 57(2):21–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Massive hemorrhage from stress ulcers following resection for carcinoma of the esophagus or the gastric cardia] Zhang XG, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Mar; 23(3):157–9, 190–1 (Eng. Abstr.) **(Chi)**

[Multiple endocrine adenomatosis syndrome (MEA and Stein–Leventhal syndrome) complicated by duodenal ulcer hemorrhage] Borejszo I, et al. **Pol Arch Med Wewn** 1984 May;71(5):317–22 (Eng. Abstr.) **(Pol)**

[Duodenal paracoccidioidomycosis with digestive bleeding] Martinez R, et al. **Rev Inst Med Trop Sao Paulo** 1984 May–Jun;26(3):160–4 (Eng. Abstr.) **(Por)**

[Vascular component of the fibrinolytic system of blood (plasminogen activator of vascular wall) in patients with duodenal ulcer with a history of hemorrhagic complications] Fisher AA, et al. **Ter Arkh** 1985; 57(5):137–41 (Eng. Abstr.) **(Rus)**

[Endovascular embolization of the hepatic artery in hemobilia complicated by acute stomach ulcers] Lifshits IuZ, et al. **Vestn Khir** 1985 May;134(5):69 **(Rus)**

IMMUNOLOGY

[Cellular immunity after surgery and massive blood transfusions in patients with profuse gastroduodenal hemorrhage] Margulis MS, et al. **Klin Khir** 1985 Mar; (3):11–3 (Eng. Abstr.) **(Rus)**

[Prognostic significance of changes in T– and B–lymphocytes in patients with peptic ulcer hemorrhage after massive blood transfusion] Veksler KhM, et al. **Klin Med (Mosk)** 1984 Oct;62(10):65–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Sustained fasting achlorhydria: a comparison of medical regimens. Peterson WL, et al. **Gastroenterology** 1985 Mar; 88(3):666–9

MORTALITY

Mortality from bleeding peptic ulcer. Alfred Hospital, Melbourne, 1976–1980. McDermott FT. **Med J Aust** 1985 Jan 7;142(1):11–4

OCCURRENCE

Prognostic importance of visible vessels in hemorrhage of peptic ulcers [letter] Emmanuel A, et al. **Gastrointest Endosc** 1985 Feb;31(1):52

Peptic ulcer disease in Barbadian children and adolescents.

Edwards CN. **West Indian Med J** 1985 Jun;34(2):98-100

PATHOLOGY

The sentinel clot and invisible vessel: pathologic anatomy of bleeding peptic ulcer. Johnston JH. **Gastrointest Endosc** 1984 Oct;30(5):313-5

[Patient with a hemorrhaging peptic ulcer of the jejunum successfully recovered from hemorrhagic shock and clinical death] Damianov D, et al. **Khirurgiia (Sofiia)** 1984; 37(4):318-20 **(Bul)**

PHYSIOPATHOLOGY

[Evaluation of the general condition of patients with acute gastrointestinal hemorrhage] Oborin AN. **Vrach Delo** 1985 Jun;(6):53-6 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of stress-induced upper gastrointestinal bleeding by cimetidine in patients on assisted ventilation. van den Berg B, et al. **Digestion** 1985;31(1):1-8

Prevention and treatment of acute mucosal damage to the stomach in intensive care units. Medegård A. **Scand J Gastroenterol [Suppl]** 1984;105:80-5

[Prevention of stress ulcers in intensive care. Cimetidine and alkalines as prophylaxis of digestive hemorrhage] Pepcak F, et al. **Cah Anesthesiol** 1984 Jan-Feb;32(1):11-4 **(Fre)**

[Prevention of acute stress hemorrhages of the upper gastrointestinal tract with pirenzepine and antacids. A controlled comparison between pirenzepine and cimetidine] Tryba M, et al. **Anasth Intensivther Notfallmed** 1984 Oct; 19(5):240-4 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Snail-like spiral deformity of the stomach (schneckenförmige Einrollung). Lu CH, et al. **Mt Sinai J Med (NY)** 1984 Jul-Aug;51(4):404-7

SURGERY

Endoscopic electrocoagulation of major bleeding from peptic ulcer. Wara P. **Acta Chir Scand** 1985;151(1):29-35

Update on upper gastrointestinal bleeding. Tobias R. **Ala J Med Sci** 1985 Jan;22(1):57-60 (13 ref.)

Emergency surgery complicated by thyrotoxicosis and thyrotoxic periodic paralysis. Robson NJ. **Anaesthesia** 1985 Jan;40(1):27-31

Two stage total gastrectomy in a case of multiple bleeding gastric ulcers. Kameyama J, et al. **Gastroenterol Jpn** 1985 Apr;20(2):148-52

Comments regarding Dr. Johnston's editorial [letter] Klass A. **Gastrointest Endosc** 1985 Aug;31(4):292-3

Which electrode? A comparison of four endoscopic methods of electrocoagulation in experimental bleeding ulcers. Swain CP, et al. **Gut** 1984 Dec;25(12):1424-31

Is Nd-Yag laser treatment for upper gastrointestinal bleeds of benefit in a district general hospital? Homer AC, et al. **Postgrad Med J** 1985 Jan;61(711):19-22

Surgical therapy in stress ulcerations. Bowen JC. **Scand J Gastroenterol [Suppl]** 1984;105:97-100

Operative treatment in massive peptic ulcer bleeding. Darle N. **Scand J Gastroenterol [Suppl]** 1985;110:109-11

Endoscopic control of major stress ulcer bleeding. Wara P. **Scand J Gastroenterol [Suppl]** 1984;105:101-3

[A prospective trial of Nd-YAG laser in the treatment of gastro-duodenal bleeding] Fang KM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Dec;83(12):1247-51 (Eng. Abstr.) **(Chi)**

[Hemorrhaging relapsing peptic ulcer after a type B II operation treated with truncal vagotomy and excision] Sebesta P, et al. **Rozhl Chir** 1984 Sep;63(8-9):571-5 (Eng. Abstr.) **(Cze)**

[Indications and operative strategy in acute ulcer hemorrhage] Farthmann EH, et al. **Chirurgie** 1984; 110(8-9):753-60 (Eng. Abstr.) **(Fre)**

[Yag laser photocoagulation and monopolar electrohydrocoagulation: randomized study of the hemostatic effect on experimental hemorrhagic ulcer in dogs] Escourrou J, et al. **Gastroenterol Clin Biol** 1985 Mar; 9(3):212-9 (Eng. Abstr.) **(Fre)**

[Ulcer hemorrhage--when operative hemostasis?] Arnold R. **Langenbecks Arch Chir** 1984;364:381-5 (Eng. Abstr.) **(Ger)**

[Stress tolerance of patients with hemorrhage from ulcus ventriculi sive duodeni] Schreiber HW, et al. **Langenbecks Arch Chir** 1984;364:125-30 (Eng. Abstr.) **(Ger)**

[Surgical therapy of massive ulcer hemorrhage from the stomach and duodenum] Reding R. **Z [illegible] Fortbild (Jena)** 1985;79(8):333-6 **(Ger)**

[R[illegible] of treatment of bleeding stomach or duodenal ulcers i[illegible]07 patients] Ancyparowicz S, et al. **Wiad Lek** 1985 Jan 1;38(1):5-14 (Eng. Abstr.) **(Pol)**

[Surgical treatment of bleeding duodenal ulcers in late middle-aged patients] Mikuliak VG, et al. **Khirurgiia (Mosk)** 1984 Sep;(9):85-7 (Eng. Abstr.) **(Rus)**

[Surgical tactics in acute gastroduodenal hemorrhages of ulcerative etiology] Myshkin KI, et al. **Khirurgiia (Mosk)** 1984 Sep;(9):56-60 (Eng. Abstr.) **(Rus)**

[Distensible pyloroduodenoplasty in the surgical treatment of bleeding and stenosing duodenal ulcers] Zaitsev VT, et al. **Khirurgiia (Mosk)** 1985 Feb;(2):34-7 (Eng. Abstr.) **(Rus)**

[Combined acute complications of duodenal peptic ulcer] Makar DA, et al. **Klin Khir** 1984 Aug;(8):46-8 **(Rus)**

[Surgical treatment of hemorrhaging gastric and duodenal ulcers] Mazurik MF, et al. **Klin Khir** 1984 Aug;(8):39-41 (Eng. Abstr.) **(Rus)**

[Current methods of diagnosis and surgical treatment of acute gastrointestinal ulcers complicated by hemorrhage and perforation] Patskan' BM, et al. **Klin Khir** 1985 Apr;(4):23-5 (Eng. Abstr.) **(Rus)**

[Treatment of complicated stomach and duodenal ulcers in children] Pulatov AT, et al. **Klin Khir** 1985;(6):40-2 (Eng. Abstr.) **(Rus)**

[Results of organ-sparing procedures in hemorrhaging duodenal ulcer compared with resection technics] Veligotskiĭ NN. **Klin Khir** 1984 Oct;(10):25-8 (Eng. Abstr.) **(Rus)**

[Surgical treatment in peptic ulcer complicated by acute hemorrhage] Bachev II. **Vestn Khir** 1984 Sep;133(9):14-6 (Eng. Abstr.) **(Rus)**

[Functional disorders of the cardiovascular system and their correction in patients after gastric resection in stomach ulcer] Freĭlich VM, et al. **Vestn Khir** 1985 Feb;134(2):23-7 (Eng. Abstr.) **(Rus)**

[Suturing of perforated gastroduodenal ulcers] Kutukov VE, et al. **Vestn Khir** 1984 Sep;133(9):121-3 **(Rus)**

THERAPY

Hypnotic control of upper gastrointestinal hemorrhage: a case report. Bishay EG, et al. **Am J Clin Hypn** 1984 Jul; 27(1):22-5

New treatment for non-variceal upper gastrointestinal bleeding. Madsen JE Jr. **Conn Med** 1985 Apr;49(4):221-4

Comparison of heater probe and YAG laser in endoscopic treatment of major bleeding from peptic ulcers. Johnston JH, et al. **Gastrointest Endosc** 1985 Jun;31(3):175-80

Prophylaxis and management of stress ulcers. Anderberg B, et al. **Scand J Gastroenterol [Suppl]** 1985;110:101-4

[Possibilities of the surgical management of duodenal ulcer hemorrhage and perforation with special reference to selective proximal vagotomy] Ihász M, et al. **Orv Hetil** 1984 Sep 16;125(38):2295-302 (Eng. Abstr.) **(Hun)**

[Current treatment of upper gastrointestinal hemorrhage (1). Peptic ulcer lesions] Yoshiba M, et al. **Nippon Ika Daigaku Zasshi** 1985 Apr;52(2):207-11 **(Jpn)**

[Significance of endoscopic hemostatic methods of local absolute ethanol injection for gastro-duodenal ulcer bleeding in the elderly] Shibuya D, et al. **Nippon Ronen Igakkai Zasshi** 1985 Jan;22(1):26-31 (Eng. Abstr.) **(Jpn)**

[Gastroduodenal hemorrhage of ulcerative etiology and its sequelae] Kabanov NIa, et al. **Khirurgiia (Mosk)** 1985 Feb; (2):37-40 (Eng. Abstr.) **(Rus)**

[Follow-up of patients with a history of gastroduodenal hemorrhage caused by peptic ulcer] Kleshxhevnikova VP, et al. **Sov Med** 1984;(8):75-7 **(Rus)**

VETERINARY

Exsanguination due to gastric ulceration in a foal. Traub-Dagartz J, et al. **J Am Vet Med Assoc** 1985 Feb 1;186(3):280-1

PEPTIC ULCER PERFORATION

Intrapleural perforation of peptic ulcer in association with diaphragmatic hernia. McDonald CF, et al. **Br J Dis Chest** 1985 Apr;79(2):196-9

Perforated duodenal ulcer in a six-month-old quadruplet baby [letter] Rettig H, et al. **Neth J Surg** 1984 Oct; 36(5):143-4

BLOOD

[Free amino acids in the blood serum of patients with complicated forms of peptic ulcer before and after surgery] Zadorozhnyĭ AA, et al. **Vestn Khir** 1984 Nov;133(11):26-30 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Perforation on cimetidine [letter] Pain JA, et al. **Br J Surg** 1985 Jan;72(1):74

Non-steroidal anti-inflammatory drugs and peptic ulcer perforation. Collier DS, et al. **Gut** 1985 Apr;26(4):359-63

Drug therapy and perforated peptic ulcer [letter] Watkins RM, et al. **Gut** 1985 Sep;26(9):981-2

COMPLICATIONS

Duodenal ulcer with perforation to the inferior vena cava. Report of a fatal case. Dalsgaard S, et al. **Acta Chir Scand** 1985;151(2):181-2

Acute epigastric pain and 'silent' lung infiltrate. Gordon J, et al. **Hosp Pract [Off]** 1984 Oct;19(10):249-52

[Simultaneous perforation of 2 gastric ulcers] Pushkarskiĭ VM. **Khirurgiia (Mosk)** 1984 Dec;(12):122-3 **(Rus)**

[Phlegmon of the duodenum as a complication of an ulcer perforating into the head of the pancreas] Chislovskiĭ VK, et al. **Klin Khir** 1984 Nov;(11):63 **(Rus)**

[Giant gastrocutaneous fistula] Juárez F, et al. **Rev Invest Clin** 1985 Jan-Mar;37(1):39-42 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Perforated chronic duodenal ulcer in children. Tan SH, et al. **Singapore Med J** 1984 Jun;25(3):187-9

[Perforation of peptic ulcer of Meckel's diverticulum in children] Bairov GA, et al. **Klin Khir** 1985;(6):43-4 (Eng. Abstr.) **(Rus)**

[Penetrating ulcer mistaken for inoperable cancer of the stomach] Kharchenko VG, et al. **Klin Khir** 1984 Oct; (10):74-5 **(Rus)**

[Rare perforations of gastroduodenal ulcers] Vakhtangishvili RSh, et al. **Klin Khir** 1984 Aug;(8):41-3 (Eng. Abstr.) **(Rus)**

[Clinical characteristics of duodenal ulcer complications in children and the procedure for their treatment] Paramonov AA. **Pediatriia** 1985 Jun;(6):38-40 **(Rus)**

[Possibilities of endoscopic diagnosis and treatment of acute complications of gastric and duodenal ulcer] Buianov VM, et al. **Sov Med** 1984;(12):43-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Duodenal perforation by an infusion catheter for hepatic chemotherapy [letter] Souza Lima MA, et al. **Ann Intern Med** 1985 Sep;103(3):472

Amoebic perforation of the stomach. A case report. Snyman JH, et al. **S Afr J Surg** 1985 Mar;23(1):33-4

[Perforated gastric ulcer during a slimming regime] Olesen J, et al. **Ugeskr Laeger** 1985 Feb 25;147(9):796-7 (Eng. Abstr.) **(Dan)**

OCCURRENCE

What has happened to perforated peptic ulcer? Watkins RM, et al. **Br J Surg** 1984 Oct;71(10):774-6

PATHOLOGY

[Mirror image perforation of peptic ulcers of the jejunum after GEA in old age] Bazjuk L. **Rozhl Chir** 1984 Sep; 63(8-9):576-8 (Eng. Abstr.) **(Cze)**

RADIONUCLIDE IMAGING

Perforated duodenal ulcer demonstrated by biliary imaging. Brown DW, et al. **Clin Nucl Med** 1985 Jul;10(7):515

SURGERY

Emergency management of perforated peptic ulcers in the elderly patient. Feliciano DV, et al. **Am J Surg** 1984 Dec; 148(6):764-7

Surgical treatment of perforated duodenal ulcer: a prospective trial between simple closure and definitive surgery. Tanphiphat C, et al. **Br J Surg** 1985 May; 72(5):370-2

Simple closure for perforated duodenal ulcer--long term results. Connolly AM, et al. **Ir Med J** 1985 May;78(5):125-7

Perforated gastric ulcer. A reappraisal of the role of biopsy and oversewing. Collier DS, et al. **J R Coll Surg Edinb** 1985 Feb;30(1):26-9

Anterior seromyotomy and posterior truncal vagotomy--technique and early results of a randomized trial. Oostvogel HJ, et al. **Neth J Surg** 1985 Jun;37(3):69-74

Perforated gastric ulcer. Wilson-Macdonald J, et al. **Postgrad Med J** 1985 Mar;61(713):217-20

[Our experience in treating a perforated pyloroduodenal ulcer by pyloroplasty] Zlatanov Z, et al. **Khirurgiia (Sofiia)** 1984; 37(6):479-81 **(Bul)**

[Treatment of perforated gastroduodenal ulcers, particularly in young people] Matoušek M, et al. **Rozhl Chir** 1985 Jun; 64(6):424-30 (Eng. Abstr.) **(Cze)**

[Supraselective vagotomy for the treatment of perforated pyloroduodenal ulcers] Devis A, et al. **Acta Gastroenterol Belg** 1984 Nov-Dec;47(6):595-602 (Eng. Abstr.) **(Fre)**

[Current status of the treatment of perforated duodenal ulcer] Bahnini J, et al. **J Chir (Paris)** 1985 Feb;122(2):121-8 (Eng. Abstr.) **(Fre)**

[Critical evaluation of the simple suture in the treatment of perforated duodenal ulcer. Case contribution] Piccinini E, et al. **Minerva Chir** 1984 Apr 30;39(8):601-6 (Eng. Abstr.) **(Ita)**

[Treatment of perforated duodenal ulcer in post-cimetidine era] Faret S, et al. **Minerva Dietol Gastroenterol** 1985 Apr-Jun;31(2):263-8 (Eng. Abstr.) **(Ita)**

[Recurrent ulcer perforations] Tîrcoveanu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1984 Oct-Dec;88(4):635-7 (Eng. Abstr.) **(Rum)**

[Penetrating gastroduodenal ulcers] Spynu AV. **Khirurgiia (Mosk)** 1984 Sep;(9):78-81 (Eng. Abstr.) **(Rus)**

[Perforated duodenal ulcer in a child] Zabarskiĭ LT, et al. **Khirurgiia (Mosk)** 1984 Dec;(12):120 **(Rus)**

[Treatment results in perforating ulcers of the stomach and duodenum] Kabanov AN, et al. **Klin Khir** 1984 Aug; (8):43-6 (Eng. Abstr.) **(Rus)**

[Choice of the surgical treatment method in patients with complicated duodenal peptic ulcer and hypersecretion] Khachiev LG, et al. **Klin Khir** 1984 Aug;(8):21-2 (Eng. Abstr.) **(Rus)**

[Combined acute complications of duodenal peptic ulcer] Makar DA, et al. **Klin Khir** 1984 Aug;(8):46-8 **(Rus)**

[Current methods of diagnosis and surgical treatment of acute gastrointestinal ulcers complicated by hemorrhage and perforation] Patskan' BM, et al. **Klin Khir** 1985 Apr;(4):23-5

(Eng. Abstr.) **(Rus)**

[Treatment of complicated stomach and duodenal ulcers in children] Pulatov AT, et al. **Klin Khir** 1985;(6):40–2 (Eng. Abstr.) **(Rus)**

[Vagotomy in the treatment of perforated gastroduodenal ulcers] Ratsa DN. **Klin Khir** 1985 Apr;(4):41–2 (Eng. Abstr.) **(Rus)**

[Truncal vagotomy with pyloroplasty in perforating ulcers] Sidorenko VI, et al. **Klin Khir** 1984 Aug;(8):18–20 (Eng. Abstr.) **(Rus)**

[Surgical characteristics of gastric and duodenal peptic ulcer complicated by perforation into the pancreas] Zemskov VS, et al. **Klin Khir** 1984 Aug;(8):49–50 (Eng. Abstr.) **(Rus)**

[Motor-emptying function of the stomach at different periods after truncal vagotomy with antrumectomy in complicated duodenal ulcer] Khachiev LG, et al. **Vestn Khir** 1985 May; 134(5):44–8 (Eng. Abstr.) **(Rus)**

[Excision of duodenal ulcer after resection of the stomach 'for exclusion'] Mitiuk II, et al. **Vestn Khir** 1985 Jan; 134(1):74–5 **(Rus)**

[Results of the surgical treatment of 'silent' ulcers of the stomach and duodenum complicated by perforation] Sakhautdinov VG, et al. **Vestn Khir** 1985 Mar;134(3):32–4 (Eng. Abstr.) **(Rus)**

THERAPY

[Treatment of perforated duodenal ulcers] Huguier M, et al. **Ann Chir** 1984 Sep;38(6):395–8 (Eng. Abstr.) **(Fre)**

[Non-operative treatment of ulcer perforation] Perrotin J. **Ann Gastroenterol Hepatol (Paris)** 1985 Jun;21(3):163–5 (Eng. Abstr.) **(Fre)**

[Non-surgical treatment of perforated ulcers] Perrotin J. **Bull Acad Natl Med (Paris)** 1984 Oct-Nov;168(7–8):741–6 (Eng. Abstr.) **(Fre)**

[Possibilities of the surgical management of duodenal ulcer hemorrhage and perforation with special reference to selective proximal vagotomy] Ihász M, et al. **Orv Hetil** 1984 Sep 16;125(38):2295–302 (Eng. Abstr.) **(Hun)**

PEPTICHEMIO see under **MELPHALAN**

PEPTIDASE INHIBITORS see **PROTEASE INHIBITORS**

PEPTIDE CHAIN ELONGATION

see related

PEPTIDE ELONGATION FACTORS

Eukaryotic protein synthesis. Moldave K. **Annu Rev Biochem** 1985;54:1109–49 (517 ref.)

Quantification of the different ribosomal phases during the translational elongation cycle in rabbit reticulocyte lysates. Nygård O, et al. **Eur J Biochem** 1984 Dec 3;145(2):345–50

Stoichiometry of GTP hydrolysis in a poly(U)-dependent cell-free translation system. Determination of GTP/peptide bond ratios during codon-specific elongation and misreading. Gavrilova LP, et al. **FEBS Lett** 1984 Dec 10; 178(2):283–7

Elongation arrest is not a prerequisite for secretory protein translocation across the microsomal membrane. Siegel V, et al. **J Cell Biol** 1985 Jun;100(6):1913–21

A large-tumor-antigen-specific monoclonal antibody inhibits DNA replication of simian virus 40 minichromosomes in an in vitro elongation system. Stahl H, et al. **J Virol** 1985 May;54(2):473–82

Aminoacyl-tRNA: protein transferases. Deutch CE. **Methods Enzymol** 1984;106:198–205

DRUG EFFECTS

Effect of ribavirin triphosphate on primer generation and elongation during influenza virus transcription in vitro. Wray SK, et al. **Antiviral Res** 1985 Feb;5(1):39–48

Hormonal regulation of transcription of rDNA: glucocorticoid effects upon initiation and elongation in vitro. Cavanaugh AH, et al. **Nucleic Acids Res** 1985 May 10;13(9):3357–69

PEPTIDE CHAIN INITIATION

see related

PEPTIDE INITIATION FACTORS

Eukaryotic protein synthesis. Moldave K. **Annu Rev Biochem** 1985;54:1109–49 (517 ref.)

Effects of starvation, diabetes and acute insulin treatment on the regulation of polypeptide-chain initiation in rat skeletal muscle. Harmon CS, et al. **Biochem J** 1984 Nov 1;223(3):687–96

Localization of the initiation of translation in messenger RNAs of prokaryotes by learning techniques. Rodier F, et al. **Biochimie** 1985 May;67(5):533–9

Cap accessibility correlates with the initiation efficiency of alfalfa mosaic virus RNAs. Godefroy-Colburn T, et al. **Eur J Biochem** 1985 Mar 15;147(3):549–52

Primer-independent abortive initiation by wheat-germ RNA polymerase B (II). Mosig H, et al. **Eur J Biochem** 1985 Jun 3;149(2):337–43

Synthesis of Escherichia coli carbamoylphosphate synthetase initiates at a UUG codon. Weyens G, et al. **Eur J Biochem** 1985 Jul 1;150(1):111–5

Mechanism of protein biosynthesis in prokaryotic cells. Effect of initiation factor IF1 on the initial rate of 30 S initiation complex formation. Pon CL, et al. **FEBS Lett** 1984 Oct 1;175(2):203–7

Synthesis and functional activity of translation initiation regions in mRNA. 20-base polyribonucleotides from the replicase gene of phage MS2 and fr. Renhof R, et al. **FEBS Lett** 1985 Jun 17;185(2):277–81

Tissue specificity of the initiation of immunoglobulin kappa gene transcription. Falkner FG, et al. **Hoppe Seylers Z Physiol Chem** 1984 Nov;365(11):1331–43

Messenger RNA structure participating in the initiation of synthesis of cucumber mosaic virus coat protein. Hidaka S, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):161–71

Protein synthesis in rabbit reticulocytes. A study of the roles of Co-eIF-2, Co-eIF-2A80, and GDP in peptide chain initiation. Bagchi MK, et al. **J Biol Chem** 1985 Jun 10; 260(11):6950–4

Formation and release of eukaryotic initiation factor 2 X GDP complex during eukaryotic ribosomal polypeptide chain initiation complex formation. Raychaudhuri P, et al. **J Biol Chem** 1985 Feb 25;260(4):2140–5

Construction and properties of a ribosome-binding site mutation in gene E of luminal diameter X174 bacteriophage. Gillam S, et al. **J Virol** 1984 Dec;52(3):892–6

In vitro template activity of 0.3 mRNA from wild type and initiation mutants of bacteriophage T7. Ohsawa H, et al. **MGG** 1984;196(1):53–8

Regulation of a protein synthesis initiation factor by adenovirus virus-associated RNA. Reichel PA, et al. **Nature** 1985 Jan 17–23;313(5999):196–200

Mechanism of activation of the heme-stabilized translational inhibitor of reticulocyte lysates by calcium ions and phospholipid. de Herreros AG, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3119–23

Initiator tRNA may recognize more than the initiation codon in mRNA: a model for translational initiation. Ganoza MC, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4587–91

Distribution of reversing factor in reticulocyte lysates during active protein synthesis and on inhibition by heme deprivation or double-stranded RNA. Thomas NS, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):6998–7002

[The Shine-Dalgarno sequence and the effectiveness of translation initiation] Khudiakov IuE. **Mol Biol (Mosk)** 1985 May-Jun;19(3):702–16 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of ribavirin triphosphate on primer generation and elongation during influenza virus transcription in vitro. Wray SK, et al. **Antiviral Res** 1985 Feb;5(1):39–48

Control of polypeptide chain initiation by sugar phosphates. Jackson RJ, et al. **Biochem Soc Trans** 1985 Aug;13(4):673–6

Inhibition of protein synthesis initiation factors by naturally occurring sulfhydryl reactive reagents. Chaney SG, et al. **Curr Top Cell Regul** 1984;24:251–60

Insulin-stimulated protein synthesis in adipocytes. Enhanced rate of initiation associated with increased phosphorylation of ribosomal protein S6. Hansson A, et al. **Eur J Biochem** 1985 Aug 15;151(1):97–100

Increased ribosomal affinity for mRNA causes resistance to edeine in a mutant of Saccharomyces cerevisiae. Herrera F, et al. **Eur J Biochem** 1984 Dec 3;145(2):339–44

Control of peptide-chain initiation in rat skeletal muscle. Development of methods for preparation of native ribosomal subunits and analysis of the effect of insulin on formation of 40 S initiation complexes. Kelly FJ, et al. **J Biol Chem** 1985 Jun 10;260(11):6677–83

Mechanism of inhibition of polypeptide chain initiation in heat-shocked Ehrlich cells involves reduction of eukaryotic initiation factor 4F activity. Panniers R, et al. **J Biol Chem** 1985 Aug 15;260(17):9648–53

Hormonal regulation of transcription of rDNA: glucocorticoid effects upon initiation and elongation in vitro. Cavanaugh AH, et al. **Nucleic Acids Res** 1985 May 10;13(9):3357–69

PEPTIDE CHAIN TERMINATION

see related

PEPTIDE TERMINATION FACTORS

Eukaryotic protein synthesis. Moldave K. **Annu Rev Biochem** 1985;54:1109–49 (517 ref.)

Modification of Escherichia coli ribosomes: in vitro termination is less dependent on histidine residues at the peptidyl transferase centre when ribosomes lack protein L11. Sumpter VG, et al. **Biochem Int** 1985 Feb;10(2):137–46

Incomplete polypeptides are formed in vitro by premature chain termination. Chroboczek J. **Eur J Biochem** 1985 Jun 18;149(3):565–9

The ribonuclease-III-processing site near the 5' end of an RNA precursor of bacteriophage T4 and its effect on termination. Gurevitz M, et al. **Eur J Biochem** 1985 Mar 15;147(3):581–6

Effect of base sequence on in vitro protein-chain termination. Ganoza MC, et al. **J Biol Chem** 1984 Nov 25; 259(22):14101–4

Premature termination by human RNA polymerase II occurs temporally in the adenovirus major late transcriptional unit. Mok M, et al. **Mol Cell Biol** 1984 Oct;4(10):2031–40

DRUG EFFECTS

Efficient modification of E. coli RNA polymerase in vitro by the N gene transcription antitermination protein of bacteriophage lambda. Goda Y, et al. **Nucleic Acids Res** 1985 Apr 11;13(7):2569–82

PEPTIDE CHLOROMETHYL KETONES see **AMINO ACID CHLOROMETHYL KETONES**

PEPTIDE ELONGATION FACTORS

Effect of trypsin modification of the Escherichia coli elongation factor Tu on the ternary complex with aminoacyl-tRNA. Masuda E, et al. **J Biol Chem** 1985 Jul 25;260(15):8702–5

Euglena gracilis chloroplast elongation factor Tu. Interaction with guanine nucleotides and aminoacyl-tRNA. Sreedharan SP, et al. **J Biol Chem** 1985 Jul 25; 260(15):8771–6

ANALYSIS

Structure of the GDP domain of EF-Tu and location of the amino acids homologous to ras oncogene proteins. Jurnak F. **Science** 1985 Oct 4;230(4721):32–6

[Comparison of eukaryotic and prokaryotic elongation factors: isoelectric points and molecular masses.] Minich WB, et al. **Biokhimiia** 1985 Mar;50(3):459–64 (Eng. Abstr.) **(Rus)**

[Primary structure of the elongation factor G from Escherichia coli. VII. Study of peptides generated during hydrolysis of the T4 fragment by glutamic proteinase from Staphylococcus aureus] Alakhov IuB, et al. **Bioorg Khim** 1983 Mar;9(3):315–29 (Eng. Abstr.) **(Rus)**

[Primary structure of the elongation factor G from Escherichia coli. VIII. Structure of tryptic peptides comprising the T4 fragment of limited trypsinolysis of the G-factor] Alakhov IuB, et al. **Bioorg Khim** 1983 Mar; 9(3):330–42 (Eng. Abstr.) **(Rus)**

[Primary structure of the elongation factor G from Escherichia coli. VI. Structure of peptides of cyanogen bromide cleavage of the G-factor molecule] Alakhov IuB, et al. **Bioorg Khim** 1983 Mar;9(3):304–14 (Eng. Abstr.) **(Rus)**

[Primary structure of the elongation factor G from Escherichia coli. V. Amino acid sequence of the C-terminal domain] Alakhov IuB, et al. **Bioorg Khim** 1983 Mar; 9(3):293–303 (Eng. Abstr.) **(Rus)**

[Primary structure of the elongation factor G from Escherichia coli. IX. Structure of peptides generated by cyanogen bromide cleavage of the G-factor isolated on thiol-activated sepharose and of the products of the G-factor cleavage at Asp-Pro bonds. Complete primary structure] Ovchinnikov IuA, et al. **Bioorg Khim** 1983 Mar; 9(3):343–57 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Diphthamide in elongation factor 2: ADP-ribosylation, purification, and properties. Bodley JW, et al. **Methods Enzymol** 1984;106:378–87

Regulation of protein synthesis factor EF-1 alpha in Mucor racemosus. Fonzi WA, et al. **Mol Cell Biol** 1985 May; 5(5):1100–3

GENETICS

Polypeptide chain elongation factor 1 alpha (EF-1 alpha) from yeast: nucleotide sequence of one of the two genes for EF-1 alpha from Saccharomyces cerevisiae. Nagata S, et al. **EMBO J** 1984 Aug;3(8):1825–30

Identification of two genes coding for the translation elongation factor EF-1 alpha of S. cerevisiae. Schirmaier F, et al. **EMBO J** 1984 Dec 20;3(13):3311–5

Mutants of the elongation factor EF-Tu, a new class of nonsense suppressors. Vijgenboom E, et al. **EMBO J** 1985 Apr;4(4):1049–52

Molecular cloning and analysis of cDNA sequences for two ribosomal proteins from Artemia. The coordinate expression of genes for ribosomal proteins and elongation factor 1 during embryogenesis of Artemia. Maassen JA, et al. **Eur J Biochem** 1985 Jun 18;149(3):609–16

Translational repression of mRNA for eucaryotic elongation factors in Friend erythroleukemia cells. Slobin LI, et al. **Eur J Biochem** 1984 Nov 15;145(1):143–50

Cloning, nucleotide sequence, and expression of one of two genes coding for yeast elongation factor 1 alpha. Cottrelle P, et al. **J Biol Chem** 1985 Mar 10;260(5):3090–6

Identification of an altered elongation factor in temperature-sensitive mutant ts 7'-14 of Saccharomyces cerevisiae. Herrera F, et al. **J Biol Chem** 1984 Dec 10; 259(23):14347–9

Diphthamide: in vitro biosynthesis. Moehring JM, et al. **Methods Enzymol** 1984;106:388–95

Sequence of the alpha subunit of photoreceptor G protein: homologies between transducin, ras, and elongation factors. Lochrie MA, et al. **Science** 1985 Apr 5;228(4695):96–9

Characterization of diphtheria-toxin-resistant mutants lacking receptor function or containing nonribosylatable elongation factor 2. Kohno K, et al. **Somatic Cell Mol Genet** 1985 Sep;11(5):421–31

IMMUNOLOGY

A competitive solid-phase radioimmunoassay for translational factors employing monoclonal antibodies. Hutchison JS, et al. **J Immunol Methods** 1984 Oct 26; 73(2):337–45

ISOLATION & PURIFICATION

An improved bulk purification method for Escherichia coli elongation factor, Ts. Yoder M, et al. **Anal Biochem** 1984 Sep;141(2):351–4

Purification of various forms of elongation factor 1 from rabbit reticulocytes. Carvalho JF, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):591–602

Localization of the sites of ADP-ribosylation and GTP binding in the eukaryotic elongation factor EF-2. Nilsson L, et al. **Eur J Biochem** 1985 Apr 15;148(2):299–304

Euglena gracilis chloroplast elongation factor Tu. Purification and initial characterization. Sreedharan SP, et al. **J Biol Chem** 1985 Mar 10;260(5):3126–31

Elongation factor 1 alpha from Saccharomyces cerevisiae. Rapid large-scale purification and molecular characterization. Thiele D, et al. **J Biol Chem** 1985 Mar 10;260(5):3084–9

METABOLISM

ADP-ribosylation. Ueda K, et al. **Annu Rev Biochem** 1985; 54:73–100 (333 ref.)

Effect of cyclic AMP and cyclic GMP on the autophosphorylation of elongation factor 1 from wheat embryos. Ejiri S, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):53–60

Direct determination of the association constant between elongation factor Tu X GTP and aminoacyl-tRNA using fluorescence. Abrahamson JK, et al. **Biochemistry** 1985 Jan 29;24(3):692–700

Isoleucyl-tRNA synthetase from bakers' yeast: variable discrimination between tRNAIle and tRNAVal and different pathways of cognate and noncognate aminoacylation under standard conditions, in the presence of pyrophosphatase, elongation factor Tu-GTP complex, and spermine. Freist W, et al. **Biochemistry** 1984 Nov 20; 23(24):5742–52

Elongation factor Tu ternary complex binds to small ribosomal subunits in a functionally active state. Langer JA, et al. **Biochemistry** 1984 Dec 4;23(25):6171–8

Reduced ribosomal binding of eukaryotic elongation factor 2 following ADP-ribosylation. Difference in binding selectivity between polyribosomes and reconstituted monoribosomes. Nygård O, et al. **Biochim Biophys Acta** 1985 Feb 20;824(2):152–62

Quantification of the different ribosomal phases during the translational elongation cycle in rabbit reticulocyte lysates. Nygård O, et al. **Eur J Biochem** 1984 Dec 3;145(2):345–50

The role of cholesteryl 14-methylhexadecanoate in the function of eukaryotic peptide elongation factor 1. Tuháčková Z, et al. **Eur J Biochem** 1985 Jan 15; 146(2):365–70

Regulation of the activity of eukaryotic peptide elongation factor 1 by autocatalytic phosphorylation. Tuháčková Z, et al. **Eur J Biochem** 1985 Jan 2;146(1):161–6

Phosphorylation of elongation factor 1 in polyribosome fraction of rabbit reticulocytes. Davydova EK, et al. **FEBS Lett** 1984 Oct 29;176(2):401–5

Primary structure of elongation factor 2 around the site of ADP-ribosylation is highly conserved from archaebacteria to eukaryotes. Gehrmann R, et al. **FEBS Lett** 1985 Jun 3;185(1):37–42

The L7/L12 proteins change their conformation upon interaction of EF-G with ribosomes. Gudkov AT, et al. **FEBS Lett** 1984 Oct 15;176(1):32–6

Mutant species of EF-Tu, altered at position 375, exhibit a reduced affinity for aminoacylated transfer-RNAs. Sam T, et al. **FEBS Lett** 1985 Jun 3;185(1):51–6

Eukaryotic elongation factor 2 loses its non-specific affinity for RNA and leaves polyribosomes as a result of ADP-ribosylation. Sitikov AS, et al. **FEBS Lett** 1984 Oct 29;176(2):406–10

Endogenous ADP-ribosylation of elongation factor 2 in polyribosome fraction of rabbit reticulocytes. Sitikov AS, et al. **FEBS Lett** 1984 Oct 15;176(1):261–3

Protein S4 is near the elongation factor G binding site in the ribosome. Tejedor F, et al. **FEBS Lett** 1985 Mar 25; 182(2):253–6

CTP can replace GTP in reactions catalyzed by eukaryotic peptide elongation factor 1. Tuháčková Z, et al. **FEBS Lett** 1984 Nov 5;177(1):112–4

Mechanism of stimulation of globin synthesis by adenosine-3',5'-monophosphate and guanosine 5'-triphosphate in a rabbit reticulocyte lysate system. Suzuki H, et al. **J Biochem (Tokyo)** 1985 May; 97(5):1289–300

Interconversion of tight and loose couple 50 S ribosomes and translocation in protein synthesis. Burma DP, et al. **J Biol Chem** 1985 Sep 5;260(19):10517–25

A kinetic analysis of the interaction of elongation factor Tu with guanosine nucleotides and elongation factor Ts. Eccleston JF. **J Biol Chem** 1984 Nov 10; 259(21):12997–3003

Kinetics and thermodynamics of the interaction of elongation factor Tu with elongation factor Ts, guanine nucleotides, and aminoacyl-tRNA. Romero G, et al. **J Biol Chem** 1985 May 25;260(10):6167–74

Regional homology in GTP-binding proto-oncogene products and elongation factors. Halliday KR. **J Cyclic Nucleotide Protein Phosphor Res** 1983–84; 9(6):435–48 (43 ref.)

ppGpp inhibition of elongation factors Tu, G and Ts during polypeptide synthesis. Rojas AM, et al. **MGG** 1984; 197(1):36–45

A second tRNA binding site on elongation factor Tu is induced while the factor is bound to the ribosome. Van Noort JM, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3212–6

[The eukaryotic elongation factor EF-2 loses its nonspecific affinity for RNA as a result of ADP ribosylation] Bezlepkina TA, et al. **Dokl Akad Nauk SSSR** 1984; 278(3):751–4 **(Rus)**

[Changes in the intramolecular mobility of protein L7/L12 resulting from the addition of elongation factor G to the ribosomes] Gonzadze GM, et al. **Dokl Akad Nauk SSSR** 1984 Nov-Dec;279(1):230–2 **(Rus)**

[Ribosomal proteins interacting with Phe-tRNAPhe during enzymatic binding with translating ribosome before and after the release of the elongation factor EF-Tu] Abdurashidova GG, et al. **Mol Biol (Mosk)** 1985 May-Jun; 19(3):800–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Stimulation of peptidyltransferase reactions by a soluble protein. Ganoza MC, et al. **Eur J Biochem** 1985 Jan 15; 146(2):287–94

Bovine mitochondrial ribosomes. Elongation factor specificity. Eberly SL, et al. **J Biol Chem** 1985 Jul 25; 260(15):8721–5

PHYSIOLOGY

Biological characterization of various forms of elongation factor 1 from rabbit reticulocytes. Carvalho MD, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):603–11

RADIATION EFFECTS

Histidine residues in elongation factor EF-tu from Escherichia coli protected by aminoacyl-tRNA against photo-oxidation. Jonák J, et al. **Eur J Biochem** 1984 Oct 15;144(2):295–303

PEPTIDE FRAGMENTS

Protein hydrogen exchange studied by the fragment separation method. Englander JJ, et al. **Anal Biochem** 1985 May 15;147(1):234–44

The primary structure of the COOH-terminal half of cholera toxin subunit A1 containing the ADP-ribosylation site. Xia QC, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):363–70

Independent folding of the carboxyl-terminal fragment 228–316 of thermolysin. Vita C, et al. **Biochemistry** 1984 Nov 6;23(23):5512–9

Fluorescence energy transfers between points in acto-subfragment-1 rigor complex. Miki M, et al. **Biochim Biophys Acta** 1984 Nov 9;790(3):275–83

Determination of the complete amino-acid sequence of porcine miniplasminogen. Marti T, et al. **Eur J Biochem** 1985 Jun 3;149(2):279–85

Further characterization of the structural and functional properties of the cross-linked complex between F-actin and myosin S-1. Rouayrenc JF, et al. **Eur J Biochem** 1985 Jan 15;146(2):391–401

Amino acid sequence of the N-terminal region of human hemopexin. Frantíková V, et al. **FEBS Lett** 1984 Dec 10; 178(2):213–6

Prediction and improvement of protected peptide solubility in organic solvents. Narita M, et al. **Int J Pept Protein Res** 1984 Dec;24(6):580–7

NH resonances of Ribonuclease S-peptide in aqueous solution. Low temperature n.m.r. study. Nieto JL, et al. **Int J Pept Protein Res** 1985 Jan;25(1):47–55

Effect of regulatory light chain on chymotryptic digestion of scallop adductor myosin. Konno K, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1645–51

Three-dimensional image analysis of the complex of thin filaments and myosin molecules from skeletal muscle. V. Assignment of actin in the actin-tropomyosin-myosin subfragment-1 complex. Toyoshima C, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):245–63

Three-dimensional image analysis of the complex of thin filaments and myosin molecules from skeletal muscle. IV. Reconstitution from minimal- and high-dose images of the actin-tropomyosin-myosin subfragment-1 complex. Toyoshima C, et al. **J Biochem (Tokyo)** 1985 Jan; 97(1):219–43

Sequencing of an active-site peptide of angiotensin I-converting enzyme containing an essential glutamic acid residue. Harris RB, et al. **J Biol Chem** 1985 Feb 25; 260(4):2208–11

A synthetic nonapeptide corresponding to the NH2-terminal sequence of C3d-K causes leukocytosis in rabbits. Hoeprich PD Jr, et al. **J Biol Chem** 1985 Mar 10;260(5):2597–600

Variation in the core and branch carbohydrate sequences of serum glycoprotein hormone alpha subunit as determined by lectin affinity chromatography. Chapman AJ, et al. **J Endocrinol** 1984 Oct;103(1):117–22

Hypochlorite radioiodination of parathyroid peptides (hPTH1-34, [Tyr43]hPTH44-68). Orwoll E, et al. **J Lab Clin Med** 1985 Feb;105(2):247–53

An enzyme-probe study of motile domains in the subfragment-2 region of myosin. Ueno H, et al. **J Mol Biol** 1984 Dec 15;180(3):667–701

Packing analysis of crystalline myosin subfragment-1. Implications for the size and shape of the myosin head. Winkelmann DA, et al. **J Mol Biol** 1985 Feb 20; 181(4):487–501

Structure of the actin-myosin complex in the presence of ATP. Craig R, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3247–51

Stabilization of a primary loop in myosin subfragment 1 with a fluorescent crosslinker. Mornet D, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1658–62

Nature of the charged-group effect on the stability of the C-peptide helix. Shoemaker KR, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2349–53

Prekallikrein activator [letter] Gallimore MJ, et al. **Thromb Haemost** 1984 Dec 29;52(3):366

ADMINISTRATION & DOSAGE

Plasma growth hormone (GH) responses to single and repetitive subcutaneous administration of GH releasing factor (hpGRF-44) in normal and GH deficient children. Takano K, et al. **Acta Endocrinol (Copenh)** 1985 Jan; 108(1):11–9

Effects on growth hormone secretion following intravenous and subcutaneous injections of growth hormone-releasing factor (hGRF-44 NH2): comparison of immunoreactive plasma GRF levels. Sassolas G, et al. **Clin Endocrinol (Oxf)** 1985 May;22(5):645–53

Intestinal absorption of calcium in greyhounds: the response to intermittent and continuous administration of human synthetic parathyroid hormone fragment 1–34 (hPTH 1–34). Podbesek RD, et al. **Clin Sci** 1984 Dec;67(6):591–9

Interim results on the clinical effects of i.v. administered thymopentin in active rheumatoid arthritis. Malaise M, et al. **Int J Clin Pharmacol Res** 1984;4(6):451–7

First observations on high-dosed and long-term thymopentin treatment in active rheumatoid arthritis. Molin L, et al. **Int J Clin Pharmacol Res** 1984;4(6):445–9

Pulsatile growth hormone secretion in normal man during a continuous 24-hour infusion of human growth hormone releasing factor (1–40). Evidence for intermittent somatostatin secretion. Vance ML, et al. **J Clin Invest** 1985 May;75(5):1584–90

Human immune responses to synthetic peptides from the Epstein-Barr nuclear antigen. Rhodes G, et al. **J Immunol** 1985 Jan;134(1):211–6

Thymopoietin pentapeptide (thymopentin, TP-5) in the treatment of rheumatoid arthritis. A compilation of several short- and longterm clinical studies. Veys EM, et al. **J Rheumatol** 1984 Aug;11(4):462–6

Growth induced by pulsatile infusion of an amidated fragment of human growth hormone releasing factor in normal and GHRF-deficient rats. Clark RG, et al. **Nature** 1985 Mar 21–27;314(6008):281–3

Heptadecapeptide ACTH 1–17: the first analogue in chronobiology. Carandente F. **Ric Clin Lab** 1984 Apr–Jun; 14(2):111–21

Thymopentin: stability considerations and potency by various routes of administration. Audhya TK, et al. **Surv Immunol Res** 1985;4 Suppl 1:17–23

Thymopentin as adjuvant to hepatitis B vaccination. Results from three double-blind studies. Grob PJ, et al. **Surv Immunol Res** 1985;4 Suppl 1:107–15

Some observations on various dose regimens of thymopentin treatment in rheumatoid arthritis. Molin L, et al. **Surv Immunol Res** 1985;4 Suppl 1:76–80

[Results of in situ arterial thrombolysis by the combination of urokinase and lysyl plasminogen in acute arterial occlusive diseases of the lower limbs] Pernes JM, et al. **J Radiol** 1985 May;66(5):385–91 (Eng. Abstr.) **(Fre)**

[Combination of lys-plasminogen and urokinase in subpopliteal acute ischemia. Preliminary results (letter)] Girand C, et al. **Presse Med** 1985 Feb 9;14(5):281–2 **(Fre)**

[Local low-dose thrombolytic treatment with sequential urokinase-plasminogen in deep central venous thrombosis] Robert D, et al. **Rev Med Interne** 1984 Sep;5(3):263–7 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Treatment with secretin and a cholecystokinin-like peptide in patients with pancreatic cancer. A pilot study. Steffensrud S, et al. **Scand J Gastroenterol** 1984 Oct; 19(7):909–15

Thymopentin: safety overview. Friedmann N. **Surv Immunol Res** 1985;4 Suppl 1:139–48

Safety of thymopentin. Data from European clinical studies. Weiss P, et al. **Surv Immunol Res** 1985;4 Suppl 1:149–54

ANALYSIS

Analysis of immunoreactive and biologically active human parathyroid hormone-peptides by high-performance-liquid-chromatography. Schettler T, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):60–9

Human chorionic gonadotropin and steroid concentrations in human follicular fluid in relation to follicle size and oocyte maturity in stimulated ovarian cycles. Ellsworth LR, et al. **Acta Eur Fertil** 1984 Sep–Oct;15(5):343–6

Growth-hormone-releasing factor immunoreactivity in human endocrine tumors. Bostwick DG, et al. **Am J Pathol** 1984 Nov;117(2):167–70

Covert cross reactants in a two-site immunoassay studied with monoclonal antibodies. Boscato LM, et al. **Anal Biochem** 1985 May 1;146(2):393–401

Quantitation of types I and III collagens in human tissue samples and cell culture by cyanogen bromide peptide analysis. Hill RJ, et al. **Anal Biochem** 1984 Aug 15; 141(1):83–93

Mapping endpoints of partial proteolysis fragments from regulatory subunit of type I cyclic AMP-dependent protein kinase. Steinberg RA. **Anal Biochem** 1984 Aug 15; 141(1):220–31

Identification of peptides containing tryptophan, tyrosine, and phenylalanine using photodiode-array spectrophotometry. Yang CY, et al. **Anal Biochem** 1985 Feb 15;145(1):67–72

Human somatotropin: noncovalent interactions of the natural NH2-terminal 1–134 segment with synthetic analogs of the COOH-terminal fragment. Li CH, et al. **Arch Biochem Biophys** 1985 May 15;239(1):12–7

Deglycosylated mammalian beta 2-adrenergic receptors: effect on radioligand binding and peptide mapping. Stiles GL. **Arch Biochem Biophys** 1985 Feb 15;237(1):65–71

Plasma concentrations of fibrinopeptide A and fibrinopeptide B beta 15–42 in glomerulonephritis and the nephrotic syndrome. Tomura S, et al. **Arch Intern Med** 1985 Jun; 145(6):1033–5

Monitoring of trophoblastic neoplasms through radioimmunoassay of the urinary carboxy-terminal fragment of beta-choriogonadotropin (COOH-beta-HCG-RIA). Ayala AR, et al. **Arch Invest Med (Mex)** 1984 Apr–Jun;15(2):139–45 **(Eng, Spa)**

Identification of cellular prosomatostatin and nonsomatostatin peptides derived from its amino terminus. Aron DC, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):450–6

Locating peptides generated by limited proteolysis in known protein sequences by means of computer search. Cameron G, et al. **Biochem Biophys Res Commun** 1984 Dec 28; 125(3):926–30

Amino acid sequence of COOH-terminal 20K Da fragment from pig liver microsomal NADPH-cytochrome P-450 reductase. Haniu M, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):94–8

On the fundamental role of the Glu 2- ... Arg 10+ salt bridge in the folding of isolated ribonuclease A S-peptide. Rico M, et al. **Biochem Biophys Res Commun** 1984 Sep 17; 123(2):757–63

Radioimmunoassay for beta-endorphin (1–18), a novel pituitary peptide derived from proopiomelanocortin. Vuolteenaho O. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1226–32

Dynorphin-A (1–8) is contained within perikarya, nerve fibres and nerve terminals of rat duodenum. Wolter HJ. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):610–5

Colocalization of dynorphin-A(1–17) and dynorphin-A(1–8) within some perikarya of rat duodenum: immunohistochemical evidence for the presence of two separate dynorphinergic systems. Wolter HJ. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):774–80

Structurally restricted conjugates of the beta-subunit of the human chorionic gonadotropin to produce antisera. Folkers K, et al. **Biochem Int** 1983 Dec;7(6):761–8

Fragmentation and reduction of bovine secretory component. Preparation of a biologically active fragment and some evidence for a multiple-domain structure. Beale D, et al. **Biochem J** 1985 Mar 15;226(3):661–7

Primary structure of the A chain of human complement-classical-pathway enzyme C1r. N-terminal sequences and alignment of autolytic fragments and CNBr-cleavage peptides. Gagnon J, et al. **Biochem J** 1985 Jan 1;225(1):135–42

Proton Overhauser experiments on kringle 4 from human plasminogen. Implications for the structure of the kringles' hydrophobic core. De Marco A, et al. **Biochim Biophys Acta** 1985 Mar 1;827(3):369–80

The light-harvesting polypeptides of Rhodopseudomonas viridis. The complete amino-acid sequences of B1015-alpha, B1015-beta and B1015-gamma. Brunisholz RA, et al. **Biol Chem Hoppe Seyler** 1985 Jan;366(1):87–98

Studies on cytochrome c oxidase, XI. The amino-acid sequence of bovine heart polypeptide VIc. Erdweg M, et al. **Biol Chem Hoppe Seyler** 1985 Mar;366(3):257–63

Kunitz-type proteinase inhibitors derived by limited proteolysis of the inter-alpha-trypsin inhibitor, X. The amino-acid sequences of the trypsin-released inhibitors from horse and pig inter-alpha-trypsin inhibitors. Hochstrasser K, et al. **Biol Chem Hoppe Seyler** 1985 May; 366(5):473–8

Human inter-alpha-trypsin inhibitor: localization of the Kunitz-type domains in the N-terminal part of the molecule and their release by a trypsin-like proteinase. Reisinger P, et al. **Biol Chem Hoppe Seyler** 1985 May; 366(5):479–83

Secondary ion mass spectra of tryptic peptides of human hemoglobin chains. Katakuse I, et al. **Biomed Mass Spectrom** 1984 Aug;11(8):386–91

Direct monitoring of sequential enzymatic hydrolysis of peptides by thermospray mass spectrometry. Pilosof D, et al. **Biomed Mass Spectrom** 1984 Aug;11(8):403–7

Assessment of Hageman factor activation in human plasma: quantification of activated Hageman factor-C1 inactivator complexes by an enzyme-linked differential antibody immunosorbent assay. Kaplan AP, et al. **Blood** 1985 Sep; 66(3):636–41

Evaluation of the beta-Neocept test for early pregnancy. Yuen BH, et al. **Can Med Assoc J** 1984 Sep 15;131(6):583–5

Radioimmunoassays for type III procollagen amino-terminal peptides in humans. Niemelä O. **Clin Chem** 1985 Aug; 31(8):1301–4

N-terminal procollagen peptide and beta 2-microglobulin in synovial fluids from inflammatory and non-inflammatory joint diseases. Gressner AM, et al. **Clin Chim Acta** 1984 Aug 31;141(2–3):241–5

Identification and characterization of the immunoprecipitating medium- and low-density tryptic fragments of bovine nasal cartilage proteoglycan. Keiser HD, et al. **Connect Tissue Res** 1985;13(2):157–67

Penicillin-binding proteins of Streptococcus pneumoniae: characterization of tryptic peptides containing the beta-lactam-binding site. Ellerbrok H, et al. **Eur J Biochem** 1984 Nov 2;144(3):637–41

Effect of nucleotides, divalent cations and temperature on the tryptic susceptibility of myosin subfragment 1. Mocz G, et al. **Eur J Biochem** 1984 Dec 3;145(2):221–9

Sequence analysis of peptide fragments from the intrinsic membrane protein of calf lens fibers MP26 and its natural maturation product MP22. Do Ngoc L, et al. **FEBS Lett** 1985 Feb 11;181(1):74–8

On the recovery of Cys-containing peptides during peptide mapping by HPLC. Tryptic peptides of Trp-tRNA synthetase of E.coli. Koeppe RE 2d, et al. **FEBS Lett** 1985 Apr 22;183(2):313–6

Identification of an essential beta chain lysine residue from bovine heart mitochondrial ATPase specifically modified with nitrobenzofurazan. Sutton R, et al. **FEBS Lett** 1985 Jan 7;179(2):283–8

Oncofetal antigens in ovarian cyst fluids. Kraly DH, et al. **Gynecol Obstet Invest** 1984;18(3):117–21

Medullary carcinomas of the thyroid contain immunoreactive human chorionic gonadotropin alpha subunit. Wurzel JM, et al. **Horm Metab Res** 1984 Dec;16(12):677

Ultrastructure of C4b-binding protein fragments formed by limited proteolysis using chymotrypsin. Dahlbäck B, et al. **J Biol Chem** 1984 Oct 10;259(19):11631–4

Structural analysis of NADPH-cytochrome P-450 reductase from porcine hepatic microsomes. Sequences of proteolytic fragments, cysteine-containing peptides, and a NADPH-protected cysteine peptide. Haniu M, et al. **J Biol Chem** 1984 Nov 25;259(22):13703–11

Evidence for direct insertion of fragments A and B of diphtheria toxin into model membranes. Hu VW, et al. **J Biol Chem** 1984 Oct 10;259(19):12226–33

Actin-binding peptide obtained by the cyanogen bromide cleavage of the 20-kDa fragment of myosin subfragment-1. Katoh T, et al. **J Biol Chem** 1985 Jun 10;260(11):6723–7

The amino acid sequence and stability predictions of the hinge region in myosin subfragment 2. Lu RC, et al. **J Biol Chem** 1985 Mar 25;260(6):3456–61

Amino acid sequence of the heavy chain of human alpha-factor XIIa (activated Hageman factor). McMullen BA, et al. **J Biol Chem** 1985 May 10;260(9):5328–41

Qualitative analysis of skeletal myosin as substrate of Ca2+-activated neutral protease: comparison of filamentous and soluble, native, and L2-deficient myosin. Pemrick SM, et al. **J Cell Biol** 1984 Dec;99(6):2297–308

Reversed-phase high-performance liquid chromatography studies of alpha-MSH fragments. Cody WL, et al. **J Chromatogr** 1984 Nov 30;314:313–21

Isolation of tryptic peptides of myelin basic protein by reversed-phase high-performance liquid chromatography. Deibler GE, et al. **J Chromatogr** 1985 Jun 19;326:433–42

Preparation of antibodies against the fourth complement component (C4) and development of a direct electroimmunoassay for quantification of C4d. Folkersen J, et al. **J Clin Lab Immunol** 1985 Mar;16(3):163–7

Comparison of four different carboxylterminal tracers in a radioimmunoassay specific to the 68–84 region of human parathyroid hormone. D'Amour P, et al. **J Immunoassay** 1984;5(3–4):183–204

Specificity of the T cell receptor: two different determinants are generated by the same peptide and the I-Ak molecule. Allen PM, et al. **J Immunol** 1985 Jul;135(1):368–73

Neuropharmacological characterization of fragment B from tetanus toxin. Simpson LL, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):223–7

Presence of dynorphin-like immunoreactivity but not opiate binding in Walker-256 tumors. Bryant HU, et al. **Life Sci** 1985 Jul 15;37(2):155–60

Identification of N-terminal myristyl blocking groups in proteins. Aitken A, et al. **Methods Enzymol** 1984; 106:205–10

Amino acid sequence studies of human C4b-binding protein: N-terminal sequence analysis and alignment of the fragments produced by limited proteolysis with chymotrypsin and the peptides produced by cyanogen bromide treatment. Chung LP, et al. **Mol Immunol** 1985 Apr;22(4):427–35

PKA contamination of immunoglobulin G [letter] Eibl MM. **N Engl J Med** 1985 Aug 29;313(9):581

Repeated electroconvulsive shocks alter the biosynthesis of enkephalin and concentration of dynorphin in the rat brain. Hong JS, et al. **Neuropeptides** 1985 Feb;5(4–6):557–60

Immunoreactive somatostatin-28(1–12) is increased in Huntington's disease. Beal MF, et al. **Neurosci Lett** 1985 May 23;56(3):377–80

Corticoliberin, somatocrinin and amine contents in normal and parkinsonian human hypothalamus. Conte-Devolx B, et al. **Neurosci Lett** 1985 May 14;56(2):217–22

Elastin covalent structure as determined by solid phase amino acid sequencing. Sandberg LB, et al. **Pathol Biol (Paris)** 1985 Apr;33(4):266–74

Purification and sequence of a non-opioid peptide derived from ovine proenkephalin: implications for possible species specific processing. Micanovic R, et al. **Peptides (Fayetteville)** 1984 Sep–Oct;5(5):853–6

Bombesin, neurotensin and pro-gamma-melanotropin immunoreactants in human milk. Ekman R, et al. **Regul Pept** 1985 Mar;10(2–3):99–105

Thymopentin structure and relation to thymic factors. Heavner GA. **Surv Immunol Res** 1985;4 Suppl 1:11–6

[Coagulation-fibrinolysis abnormalities in acute stage hypertensive intra-cerebral hemorrhage and head injury (preliminary report). With special reference to fibrinopeptides A and B beta 15–42] Touho H, et al. **Neurol Med Chir (Tokyo)** 1985 Mar;25(3):203–8 (Eng. Abstr.) **(Jpn)**

[Alpha subunit positive cases in so-called non-functioning pituitary adenomas] Yamagami T, et al. **Neurol Med Chir (Tokyo)** 1985 May;25(5):362–7 (Eng. Abstr.) **(Jpn)**

[Relationship between seminal HCG-beta and spermatogenesis. Studies on human seminal plasma. Report I] Saitoh S, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Dec;75(12):1970–81 (Eng. Abstr.) **(Jpn)**

[Primary structure of the elongation factor G from Escherichia coli. VII. Study of peptides generated during hydrolysis of the T4 fragment by glutamic proteinase from Staphylococcus aureus] Alakhov IuB, et al. **Bioorg Khim** 1983 Mar;9(3):315–29 (Eng. Abstr.) **(Rus)**

[Primary structure of the elongation factor G from Escherichia coli. VIII. Structure of tryptic peptides comprising the T4 fragment of limited trypsinolysis of the G-factor] Alakhov IuB, et al. **Bioorg Khim** 1983 Mar; 9(3):330–42 (Eng. Abstr.) **(Rus)**

[High-performance liquid chromatography of peptide bioregulators, their fragments and derivatives. I. Chromatographic pattern of corticotropin fragments of Zorbax ODS sorbent] Grigor'ev VD, et al. **Bioorg Khim** 1983 Jul;9(7):869–77 (Eng. Abstr.) **(Rus)**

[Primary structure of the OSCP protein that confers sensitivity to oligomycin on the mitochondrial H+-ATPase complex. I. Tryptic and cyanogen bromide peptides] Grinkevich VA, et al. **Bioorg Khim** 1985 Mar; 11(3):321–33 (Eng. Abstr.) **(Rus)**

[Primary structure of the elongation factor G from Escherichia coli. IX. Structure of peptides generated by cyanogen bromide cleavage of the G-factor isolated on thiol-activated sepharose and of the products of the G-factor cleavage at Asp-Pro bonds. Complete primary structure] Ovchinnikov IuA, et al. **Bioorg Khim** 1983 Mar; 9(3):343–57 (Eng. Abstr.) **(Rus)**

[Identification of pro-opiomelanocortin and the secretion of its peptide fragments in the adrenals of the bull] Tennov AV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):181–4 (Eng. Abstr.) **(Rus)**

[Early diagnosis of tubal pregnancy using non-invasive methods] Ramírez C, et al **Rev Chil Obstet Ginecol** 1983; 48(6):426–31 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

The regulation of human factor XIIa by plasma proteinase inhibitors. Pixley RA, et al. **J Biol Chem** 1985 Feb 10; 260(3):1723–9

Blockade of hp-GRF-40-induced GH release in normal men by a cholinergic muscarinic antagonist. Massara F, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):1025–6

BIOSYNTHESIS

The somatostatin-28 convertase of rat brain cortex generates both somatostatin-14 and somatostatin-28. Gluschankof P, et al. **Biochem Biophys Res Commun** 1985 May 16; 128(3):1051–7

Posttranslational modification of the carboxy-terminal region of the beta subunit of human chorionic gonadotropin. Lentz SR, et al. **Biochemistry** 1984 Oct 23;23(22):5330–7

Human chorionic gonadotropin alpha-subunit of normal placenta: characterization of synthesis and association with beta-subunit. Posillico EG, et al. **Biol Reprod** 1985 Jun; 32(5):1101–8

Synthesis of chorionic gonadotropin subunits in human choriocarcinoma clonal cell line JEG-3: carbohydrate differences in glycopeptides from free and combined alpha-subunits. Jones-Brown YR, et al. **Endocrinology** 1984 Oct;115(4):1439–45

Surface-dependent activation of human factor XII (Hageman factor) by kallikrein and its light chain. Rosing J, et al. **Eur J Biochem** 1985 Sep 16;151(3):531–8

The effect of protein and RNA synthesis inhibitors on the synthesis and secretion of hCG, alpha- and beta-hCG subunits, in organ culture. Lorberboum H, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Sep;18(1–2):57–69

The beta subunits of glycoprotein hormones. Formation of three-dimensional structure during cell-free biosynthesis of lutropin-beta. Strickland TW, et al. **J Biol Chem** 1985 May 10;260(9):5816–9

Pure alpha-subunit producing tumor derived from a thyrotropic tumor: impaired regulation of alpha-subunit and its mRNA by thyroid hormone. Ross DS, et al. **Mol Cell Endocrinol** 1985 Feb;39(2):161-5

Synthesis and glycosylation of the common alpha subunit of human glycoprotein hormones in mouse cells. Ramabhadran TV, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6701-5

BLOOD

Diagnostic value of serum procollagen peptide measurements in alcoholic liver disease. Savolainen ER, et al. **Alcoholism (NY)** 1984 Jul-Aug;8(4):384-9

Comparison of the analytical characteristics and clinical usefulness in tumour monitoring of fifteen hCG(-beta) immunoassay kits. Thomas CM, et al. **Ann Clin Biochem** 1985 May;22 (Pt 3):236-46

Localization of the hemagglutinating activity of platelet thrombospondin to a 140 000-dalton thermolytic fragment. Haverstick DM, et al. **Biochemistry** 1984 Nov 6; 23(23):5597-603

Racial differences in calcitonin and katacalcin. Stevenson JC, et al. **Calcif Tissue Int** 1984 Dec;36(6):725-8

Discordant results for choriogonadotropin: a problem caused by lutropin beta-subunit interference? [letter] Thomas CM, et al. **Clin Chem** 1985 Jan;31(1):159

Type III procollagen peptide and PZ-peptidase serum levels in pre-cirrhotic liver diseases. Morelli A, et al. **Clin Chim Acta** 1985 May 30;148(2):87-95

The diagnosis of ectopic pregnancies in cases of lower abdominal pain using beta subunit assay of human chorionic gonadotropin. Ben-Rafael Z, et al. **Clin Exp Obstet Gynecol** 1985;12(1-2):20-5

Ectopic pregnancy management by a non invasive protocol. Zakut H, et al. **Clin Exp Obstet Gynecol** 1985;12(1-2):3-8

Pharmacokinetics of synthetic human parathyroid hormone 1-34 in man measured by cytochemical bioassay and radioimmunoassay. Kent GN, et al. **Clin Sci** 1985 Feb; 68(2):171-7

Scatter analysis of discrete-sized chromatin fragments favours a cylindrical organization. Lasters I, et al. **Eur J Biochem** 1985 Sep 2;151(2):283-9

Serum tumour marker regression rate following chemotherapy for malignant teratoma. Horwich A, et al. **Eur J Cancer Clin Oncol** 1984 Dec;20(12):1463-70

Variation in serum type III procollagen peptide with age in healthy subjects and its comparative value in the assessment of disease activity in children and adults with chronic active hepatitis. Trivedi P, et al. **Eur J Clin Invest** 1985 Apr;15(2):69-74

Demonstration and characterization of alpha-human atrial natriuretic factor in human plasma. Arendt RM, et al. **FEBS Lett** 1985 Sep 9;189(1):57-61

The efficacy of early pregnancy monitoring with serial chorionic gonadotropin determinations and real-time sonography in an infertility population. Pittaway DE, et al. **Fertil Steril** 1985 Aug;44(2):190-4

Pure dysgerminoma of the ovary with elevated serum human chorionic gonadotropin: diagnostic and therapeutic considerations. Kapp DS, et al. **Gynecol Oncol** 1985 Feb; 20(2):234-44

Serum type III procollagen peptide in alcoholic liver disease and idiopathic hemochromatosis: its relationship to hepatic fibrosis, activity of the disease and iron overload. Colombo M, et al. **Hepatology** 1985 May-Jun;5(3):475-9

The N-terminal propeptide of collagen type III in serum reflects activity and degree of fibrosis in patients with chronic liver disease. Frei A, et al. **Hepatology** 1984 Sep-Oct;4(5):830-4

The blue glass and the predictive value of serum amino-terminal propeptide of type III procollagen as a marker of liver fibrosis. Rojkind M. **Hepatology** 1984 Sep-Oct;4(5):977-8

Long-term follow-up of serum N-terminal propeptide of collagen type III levels in patients with chronic liver disease. Weigand K, et al. **Hepatology** 1984 Sep-Oct; 4(5):835-8

Fate of parathyroid hormone during hemodialysis and ultrafiltration. Burckhardt P, et al. **Horm Res** 1985; 21(1):46-54

Human chorionic gonadotropin in the ectopic gestation. Golan A, et al. **Int J Gynaecol Obstet** 1985 Feb;23(1):65-9

Follicle-stimulating hormone- and alpha-subunit-secreting pituitary tumor treated with bromocriptine. Vance ML, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):580-4

Detection of ectopic pregnancy in an outpatient population: the role of the beta-HCG level. Hedges JR, et al. **J Emerg Med** 1984;2(2):85-93

Characterisation by high performance liquid chromatography of circulating growth hormone releasing factors in a human plasma. Penny ES, et al. **J Endocrinol** 1985 Apr; 105(1):R1-R4

Identification of epitopes associated with hCG and the beta hCG carboxyl terminus by monoclonal antibodies produced against a synthetic peptide. Bidart JM, et al. **J Immunol** 1985 Jan;134(1):457-64

Studies of circulating parathyroid hormone in man by a homologous amino-terminal specific radioimmunoassay. Konagaya Y, et al. **Jpn J Med** 1984 Aug;23(3):199-204

Steroid treatment lowers hepatic fibroplasia, as explored by serum aminoterminal procollagen III peptide, in chronic liver disease. Ballardini G, et al. **Liver** 1984 Dec;4(6):348-52

Radioimmunoassay for human growth hormone-releasing factor (hGRF 1-40): comparison of plasma immunoreactive GRF after intravenous and subcutaneous administration to rats. Rafferty B, et al. **Mol Cell Endocrinol** 1985 Jun; 41(1):19-25

Value of human chorionic gonadotropin measurements in blood as a pregnancy test in women on maintenance hemodialysis. Schwarz A, et al. **Nephron** 1985;39(4):341-3

Identification of a human hemoglobin tryptic peptide (alpha-T4) from a bloodstain by fast protein liquid chromatography--determination of human origin. Ito S, et al. **Nippon Hoigaku Zasshi** 1985 Feb;39(1):23-6

Use of an immunoradiometric assay and a radioimmunoassay for the detection of free beta-human chorionic gonadotropin. Shapiro AI, et al. **Obstet Gynecol** 1985 Apr; 65(4):545-9

Measurement of plasma group I pepsinogens. Levine DF, et al. **Postgrad Med J** 1984 Sep;60(707):582-5

Group I pepsinogens in serum. I. Normal range, age and sex relation, diurnal rhythm, seasonal variation, and distribution in ABO blood groups. Axelsson CK, et al. **Scand J Gastroenterol** 1984 Nov;19(8):1114-8

Serum pepsinogen I and the state of gastric mucosa in an Estonian population sample. Tamm A, et al. **Scand J Gastroenterol** 1984 Nov;19(8):1091-4

Serum type III procollagen peptide concentration in cryptogenic fibrosing alveolitis and its clinical relevance. Kirk JM, et al. **Thorax** 1984 Oct;39(10):726-32

Simultaneous and serial measurement of serum levels of human placental lactogen, beta-human chorionic gonadotropin and unconjugated estriol levels in pregnant women. Furuhashi N, et al. **Tohoku J Exp Med** 1984 Oct; 144(2):211-5

Seminoma with elevated human chorionic gonadotropin. The case for retroperitoneal lymph node dissection. Pritchett TR, et al. **Urology** 1985 Apr;25(4):344-6

[Pregnancy-specific beta 1-glycoprotein, HCG alpha subunit, alpha fetoproteins and HPL in fetal hypotrophy] Ruseva R, et al. **Akush Ginekol (Sofiia)** 1984;23(4):315-20 (Eng. Abstr.) **(Bul)**

[Development of polycythemia to myelofibrosis. Monitoring by the assay of the procollagen III amino-propeptide] Arrago JP, et al. **Presse Med** 1984 Nov 10;13(40):2429-32 (Eng. Abstr.) **(Fre)**

[Diagnostic values of serum type III procollagen N-terminal peptide in type IV gastric cancer] Akazawa S, et al. **Gan To Kagaku Ryoho** 1985 Apr;12(4):861-6 (Eng. Abstr.) **(Jpn)**

[Serum type III procollagen peptide in tissue fibrosis] Maruyama K. **Rinsho Byori** 1985 Jan;33(1):27-32 **(Jpn)**

[Serum type III procollagen peptide in patients with pneumoconiosis] Okazaki I, et al. **Sangyo Ika Daigaku Zasshi** 1983 Dec 1;5(4):461-7 (Eng. Abstr.) **(Jpn)**

[Production of chorionic gonadotropin in cervico-uterine carcinoma] Ayala AR, et al. **Ginecol Obstet Mex** 1984 Jul; 52(327):165-9 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Indicators of disease activity in multiple sclerosis. Studies of myelin basic protein-like materials. Whitaker JN. **Ann NY Acad Sci** 1984;436:140-50 (67 ref.)

Lower CSF level of dynorphin(1-8) immunoreactivity in schizophrenic patients. Zhang AZ, et al. **Neuropeptides** 1985 Feb;5(4-6):553-6

CHEMICAL SYNTHESIS

N-terminal analogues of cecropin A: synthesis, antibacterial activity, and conformational properties. Andreu D, et al. **Biochemistry** 1985 Mar 26;24(7):1683-8

Chemical synthesis of peptide fragments of the hormone-specific beta-subunit of human follicle-stimulating hormone. Saxena BB, et al. **Biochemistry** 1985 Jan 29;24(3):813-6

A [3H]lysine-containing synthetic peptide substrate for human protocollagen lysyl hydroxylase. Glass DB, et al. **Biochim Biophys Acta** 1985 Jun 18;840(2):143-52

Studies on peptides. CXXVI. Synthesis of the protected tetracosapeptide corresponding to positions 30-53 of mouse epidermal growth factor (EGF). Akaji K, et al. **Chem Pharm Bull (Tokyo)** 1985 Jan;33(1):173-83

Studies on peptides. CXXVII. Synthesis of a tripentacontapeptide with epidermal growth factor activity. Akaji K, et al. **Chem Pharm Bull (Tokyo)** 1985 Jan; 33(1):184-201

Studies on peptides. CXXIV. Solution synthesis of the hentetracontapeptide amide corresponding to the entire amino acid sequence of human corticotropin releasing factor (hCRF). Fujii N, et al. **Chem Pharm Bull (Tokyo)** 1984 Dec;32(12):4797-805

Studies on peptides. CXXIII. Preparations of nine peptide fragments for the synthesis of human corticotropin releasing factor (hCRF). Fujii N, et al. **Chem Pharm Bull (Tokyo)** 1984 Dec;32(12):4786-96

Synthesis and properties of an all-D model ribonuclease S-peptide. Corigliano-Murphy MA, et al. **Int J Pept Protein Res** 1985 Mar;25(3):225-31

One-step isocratic high-performance liquid chromatographic purification of radioiodinated and radioiodinated-photoactivable derivatives of cholecystokinin. Svoboda M, et al. **J Chromatogr** 1984 Jul 27;296:199-211

Synthesis and biological activity of new peptide segments of gastrin exhibiting gastrin antagonist property. Martinez J, et al. **J Med Chem** 1984 Dec;27(12):1597-601

Detection and quantitation of low levels of protected and unprotected (R)-amino acids in the synthesis of thymopentin, an immunoregulatory peptide. Cotter ML, et al. **J Pharm Sci** 1985 Apr;74(4):489-91

[Synthesis of igercine—the C-terminal nonapeptide from human immunoglobulin E] Chipens GI, et al. **Bioorg Khim** 1985 May;11(5):590-7 (Eng. Abstr.) **(Rus)**

[Synthesis and biological properties of a cyclic analog of ACTH-(5-14)-decapeptide] Liepkaula IK, et al. **Bioorg Khim** 1984 Oct;10(10):1326-32 (Eng. Abstr.) **(Rus)**

[Chemico-enzymatic synthesis of an oligonucleotide template for an analog of ACTH (4-10) fragment] Ratmanova KI, et al. **Bioorg Khim** 1984 Apr;10(4):564-6 (Eng. Abstr.) **(Rus)**

[Structural and functional organization of ACTH: synthesis and properties of analogs of ACTH-(11-24)-tetradeca- and ACTH-(1-24)-tetracosapeptides containing hexa-amino acids instead of a natural sequence of ACTH 19-24 amino acids] Syskov IV, et al. **Bioorg Khim** 1984 May;10(5):618-25 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Impaired growth hormone response to human pancreatic growth hormone releasing factor [GRF(1-44)] in type 2 (non-insulin-dependent) diabetes. Richards NT, et al. **Diabetologia** 1984 Nov;27(5):529-34

Secretion of basal gonadotropins after LRH decapeptide and tripeptide. Stimulation in hypogonadotropic hypogonadism. Georgopoulos N, et al. **Endocrinologie** 1984 Oct-Dec;22(4):269-75

Plasma growth hormone response to synthetic GH-RH1-44 in 52 children and adults with growth hormone deficiency of various etiologies. Pertzelan A, et al. **Horm Res** 1985; 22(1-2):24-31

Effects of growth hormone-releasing factor on growth hormone secretion in acromegaly. Gelato MC, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):251-7

Growth hormone release in response to human pancreatic tumor growth hormone-releasing hormone-40 in children with short stature. Rogol AD, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):580-6

Effect of growth hormone-releasing factor on growth hormone release in children with radiation-induced growth hormone deficiency. Lustig RH, et al. **Pediatrics** 1985 Aug; 76(2):274-9

[Somatocrinin and children in 1984. Application to the etiological diagnosis of somatotropin deficiencies] Chatelain P, et al. **Arch Fr Pediatr** 1985 Mar;42(3):205-9 (Eng. Abstr.) **(Fre)**

[Urinary phosphate and cyclic adenosine monophosphate response to intravenous administration of synthetic human parathyroid hormone-(1-34) in idiopathic hypoparathyroidism, pseudohypoparathyroidism, pseudopseudohypoparathyroidism and normal subjects] Fukami T, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Mar 20;60(3):159-70 (Eng. Abstr.) **(Jpn)**

[Standard procedure and the diagnostic criteria for the Ellsworth-Howard test using human PTH-(1-34)] Ogata E, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Aug 20; 60(8):971-84 (Eng. Abstr.) **(Jpn)**

[Determination of plasma prekallikrein using beta-XIIa (Hageman factor fragment)] Komiyama Y, et al. **Rinsho Byori** 1984 May;32(5):558-62 **(Jpn)**

GENETICS

Evidence for a single rat thyrotropin-beta-subunit gene: thyroidectomy increases its mRNA. Chin WW, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1152-8

Further characterization of the porcine LH subunits precursors in the translation products of pituitary RNAs. Pascal O, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):383-7

Myosin light chain-1: genetic analysis of three variants found in fast white chicken muscle and investigation of linkage with the muscular dystrophy gene. Rushbrook JI, et al. **Biochem Genet** 1985 Feb;23(1-2):17-27

Mouse 7S nerve growth factor: complete sequence of a cDNA coding for the alpha-subunit precursor and its relationship to serine proteases. Isackson PJ, et al. **Biochemistry** 1984 Dec 4;23(25):5997-6002

Rapid simultaneous measurement of rat alpha- and thyrotropin (TSH) beta-subunit messenger ribonucleic acids (mRNAs) by solution hybridization: regulation of TSH subunit mRNAs by thyroid hormones. Carr FE, et al. **Endocrinology** 1985 Sep;117(3):1272-8

Pituitary alpha-subunit messenger ribonucleic acid remains elevated during the latter stages of the preovulatory luteinizing hormone surge. Landefeld T, et al. **Endocrinology** 1985 Sep;117(3):934-8

Expression of chorionic gonadotropin alpha- and beta-genes in normal and neoplastic human tissues: relationship to deoxyribonucleic acid structure. Whitfield GK, et al. **Endocrinology** 1985 Jul;117(1):231-6

Molecular cloning of the human thyrotropin-beta subunit gene. Hayashizaki Y, et al. **FEBS Lett** 1985 Sep 2; 188(2):394-400

A gene fusion that localises the penicillin-binding domain of penicillin-binding protein 3 of Escherichia coli. Hedge PJ, et al. **FEBS Lett** 1984 Oct 15;176(1):179-84

The gene encoding the beta-subunit of rat luteinizing hormone. Analysis of gene structure and evolution of nucleotide sequence. Jameson L, et al. **J Biol Chem** 1984 Dec 25;259(24):15474-80

Analysis of several bovine lutropin beta subunit cDNAs reveals heterogeneity in nucleotide sequence. Maurer RA. **J Biol Chem** 1985 Apr 25;260(8):4684-7

A kinetic comparison of the processing and secretion of the alpha beta dimer and the uncombined alpha and beta subunits of chorionic gonadotropin synthesized by human choriocarcinoma cells. Peters BP, et al. **J Biol Chem** 1984 Dec 25;259(24):15123-30

The gene for the beta subunit of bovine luteinizing hormone encodes a gonadotropin mRNA with an unusually short 5'-untranslated region. Virgin JB, et al. **J Biol Chem** 1985 Jun 10;260(11):7072-7

A comparison between mammalian and avian fast skeletal muscle alkali myosin light chain genes: regulatory implications. Daubas P, et al. **Nucleic Acids Res** 1985 Jul 11;13(13):4623-43

Only three of the seven human chorionic gonadotropin beta subunit genes can be expressed in the placenta. Talmadge K, et al. **Nucleic Acids Res** 1984 Nov 26;12(22):8415-36

IMMUNOLOGY

Paradoxical effect of antibodies against chorionic gonadotropin on BeWo choriocarcinoma cells in vitro and in vivo: evidence for heterogeneity of cell types. Gupta SK, et al. **Adv Exp Med Biol** 1984;176:271-87

Antibodies against the beta-subunit of ovine luteinizing hormone can decrease the clearance of human chorionic gonadotropin in rhesus monkeys. Yamamoto Y, et al. **Am J Reprod Immunol** 1984 Jun;5(4):164-70

On the immunogenicity of the beta subunit of ovine luteinizing hormone (oLH beta) and equine chorionic gonadotropin (eCG) in the chimpanzee (Pan troglodytes): effect of antiserum on monkey cycle and early pregnancy. Moudgal NR, et al. **Am J Reprod Immunol Microbiol** 1985 Aug;8(4):120-4

Identification of a surface epitope of human erythropoietin with anti-peptide antibodies. Sytkowski AJ, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):707-13

Localization of the complement-component-C3b-binding site and the cofactor activity for factor I in the 38kDa tryptic fragment of factor H. Alsenz J, et al. **Biochem J** 1984 Dec 1;224(2):389-98

Immunologically reactive tryptic fragments of human prostatic acid phosphatase. Lee CL, et al. **Biochem J** 1984 Nov 1;223(3):871-7

Localisation of a group of antigenic sites in complement component C3, and identification of a new fragmentation pattern. Fontaine M, et al. **Biochim Biophys Acta** 1984 Sep 11;789(2):119-27

Cross-reactivity of a monoclonal anti-[Met5]enkephalin antibody with cholecystokinin peptides. Deschodt-Lanckman M, et al. **Can J Biochem Cell Biol** 1984 Nov;62(11):1097-9

Antibodies against a synthetic peptide as a probe for the kinase activity of the avian EGF receptor and v-erbB protein. Kris RM, et al. **Cell** 1985 Mar;40(3):619-25

Staining and fluorescence-activated cell sorter analysis of human lymphocytes using antibodies to a short, chemically synthesized human IL-2 peptide. Isakov N, et al. **Cell Immunol** 1985 Sep;94(2):491-9

Highly specific and sensitive hybridoma antibodies against the alpha-subunit of human glycoprotein hormones. Thotakura NR, et al. **Endocrinology** 1985 Oct;117(4):1300-8

Choice of peptide and peptide length for the generation of antibodies reactive with the intact protein. Welling GW, et al. **FEBS Lett** 1985 Mar 11;182(1):81-4

Immunocytochemical identification of the proopiocortin-producing cells in the chum salmon pituitary with antisera to endorphin and NH2-terminal peptide of salmon proopiocortin. Naito N, et al. **Gen Comp Endocrinol** 1984 Nov;56(2):185-92

Monoclonal antibodies against immunodeterminants associated with the alpha and beta subunits of human chorionic gonadotropin. Wang L, et al. **Hybridoma** 1982; 1(3):293-302

T-cell dependency of the antibody response to free small synthetic peptides of a protein: demonstration with an antigenic site of myoglobin. Young CR, et al. **Immunol Invest** 1985 Feb;14(1):1-5

Inhibition of human neutrophil receptor-mediated uptake of N-formyl-met-leu-phe by platelet factor 4 (59-70). Goldman DW, et al. **Immunology** 1985 Jan;54(1):163-72

Characteristics of monoclonal anti-alpha-human chorionic gonadotropin antibody. Gupta SK, et al. **Indian J Med Res** 1985 Mar;81:281-5

Specificity of antisera obtained to substance P and its C-terminal hexapeptide. Babinska A, et al. **Int J Pept Protein Res** 1985 Jan;25(1):69-75

NH resonances of Ribonuclease S-peptide in aqueous solution. Low temperature n.m.r. study. Nieto JL, et al. **Int J Pept Protein Res** 1985 Jan;25(1):47-55

An immunologic probe for a defined region of the myelin proteolipid. Lin LF, et al. **J Biol Chem** 1985 Apr 10; 260(7):4371-7

T cell tolerance studied at the level of antigenic determinants. I. Latent reactivity to lysozyme peptides that lack suppressogenic epitopes can be revealed in lysozyme-tolerant mice. Oki A, et al. **J Exp Med** 1985 May 1;161(5):897-911

Non-cross-reactive monoclonal antibodies to human chorionic gonadotropin generated after immunization with a synthetic peptide. Caraux J, et al. **J Immunol** 1985 Feb; 134(2):835-40

Specificity of T lymphocyte lines for peptides of myelin basic protein. Vandenbark AA, et al. **J Immunol** 1985 Jul; 135(1):229-33

Site-specific antibodies to rat myelin proteolipids directed against the C-terminal hexapeptide. Nussbaum JL, et al. **J Neurol Sci** 1985 Apr;68(1):89-100

Monoclonal antibodies to hepatitis B surface antigen (HBsAg) with anti-alpha specificity recognize a synthetic peptide analogue (S135-155) with unmodified lysine (141). Neurath AR, et al. **J Virol Methods** 1984 Dec;9(4):341-6

Monoclonal antibodies to cyanogen bromide fragments of glycophorin A. Barsoum AL, et al. **Mol Immunol** 1985 Apr; 22(4):361-7

Epitopes of the 44-68 human parathyroid hormone fragments: the importance of specific hydrophilic peptide sequences. Delmas A, et al. **Mol Immunol** 1985 Jun; 22(6):675-9

Affinity purification of two populations of antibodies against format determinants of synthetic myelin basic protein peptide S82 from S82-AH- and S82-CH-Sepharose 4B columns. Day ED, et al. **Neurochem Res** 1984 Oct; 9(10):1453-65

Format determinants of synthetic myelin basic protein peptide S82 mimicked by a mixture of synthetic peptides S8 and S79. Day ED, et al. **Neurochem Res** 1984 Oct; 9(10):1445-52

Further studies on the localization of angiotensin-II-like immunoreactivity in the anterior pituitary gland of the male rat, comparing various antisera to pituitary hormones and their specificity. Deschepper CF, et al. **Neuroendocrinology** 1985 Jun;40(6):471-5

Synthetic peptides from four separate regions of the poliovirus type 1 capsid protein VP1 induce neutralizing antibodies. Chow M, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):910-4

Antibodies to peptides corresponding to a conserved sequence of gonococcal pilins block bacterial adhesion. Rothbard JB, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):915-9

Efficient generation of antibodies to oncoproteins by using synthetic peptide antigens. Tanaka T, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3400-4

Identical short peptide sequences in unrelated proteins can have different conformations: a testing ground for theories of immune recognition. Wilson IA, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5255-9

Analogues in immunology. Dammacco F, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):137-47 (45 ref.)

Antibody response to two synthetic peptides corresponding to residues 45-68 and 69-79 of the major protein of hepatitis B surface antigen. Neurath AR, et al. **Virus Res** 1984; 1(4):321-31

[Monoclonal antibodies directed against the beta hCG subunit and against a synthetic peptide analog of the carboxyl-terminal end. Clinical use in vivo and in vitro] Bellet D, et al. **Ann Endocrinol (Paris)** 1984;45(4-5):335-41 (Eng. Abstr.) **(Fre)**

[The preparation of an hCG-specific immunoadsorbent using hCG beta-carboxyl-terminal peptide antibody and its application to isolate HCG-like substances from human pituitary glands] Matsuura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Jun 20;60(6):800-13 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Kinin cleavage by human erythrocytes. Sidorowicz W, et al. **Am J Hematol** 1984;17(4):383-91

The purification of myosin long subfragment 2 by DEAE-Sepharose CL-6B ion-exchange chromatography. Borras-Cuesta F, et al. **Anal Biochem** 1984 Oct;142(1):84-7

Isolation and sequencing of an active-site peptide from spinach ferredoxin-NADP+ oxidoreductase after affinity labeling with periodate-oxidized NADP+. Chan RL, et al. **Arch Biochem Biophys** 1985 Jul;240(1):172-7

Tryptic cleavage and substructure of bovine cardiac myosin subfragment 1. Applegate D, et al. **Biochemistry** 1984 Dec 18;23(26):6626-30

Structure of human-basement-membrane (type IV) collagen. Complete amino-acid sequence of a 914-residue-long pepsin fragment from the alpha 1(IV) chain. Babel W, et al. **Eur J Biochem** 1984 Sep 17;143(3):545-56

A novel form of gastric inhibitory polypeptide (GIP) isolated from bovine intestine using a radioreceptor assay. Fragmentation with staphylococcal protease results in GIP1-3 and GIP4-42, fragmentation with enterokinase in GIP1-16 and GIP17-42. Carlquist M, et al. **Eur J Biochem** 1984 Dec 17;145(3):573-7

Identification and characterization of fragments of major glycoproteins from platelet membrane after chymotrypsin treatment. McGregor JL, et al. **Eur J Biochem** 1985 Apr 1;148(1):97-106

Inactivation of Clostridium botulinum type A neurotoxin by trypsin and purification of two tryptic fragments. Proteolytic action near the COOH-terminus of the heavy subunit destroys toxin-binding activity. Shone CC, et al. **Eur J Biochem** 1985 Aug 15;151(1):75-82

Isolation of cardiac myosin light-chain isotypes by chromatofocusing. Comparison of human cardiac atrial light-chain 1 and foetal ventricular light-chain 1. Vincent ND, et al. **Eur J Biochem** 1985 Apr 1;148(1):135-43

Nucleotide sequence of yeast gene CP A1 encoding the small subunit of arginine-pathway carbamoyl-phosphate synthetase. Homology of the deduced amino acid sequence to other glutamine amidotransferases. Werner M, et al. **Eur J Biochem** 1985 Jan 15;146(2):371-81

Elution of fibronectin proteolytic fragments from a hydroxyapatite chromatography column. A simple procedure for the purification of fibronectin domains. Zardi L, et al. **Eur J Biochem** 1985 Feb 1;146(3):571-9

Separation of the tryptic peptides and cyanogen bromide fragments of the human embryonic zeta chains of hemoglobin in Portland I and II by reverse phase high performance liquid chromatography. Randhawat ZI, et al. **Hemoglobin** 1984;8(5):463-82

Reproducibility of gel-chromatography. Tesser GI, et al. **Int J Pept Protein Res** 1984 Aug;24(2):192-4

Isolation of large peptides derived by cyanogen bromide cleavage of thermolysin using fast protein liquid chromatography (FPLC). Vita C, et al. **Int J Pept Protein Res** 1984 Aug;24(2):104-11

Amino acid sequences of the two kinds of regulatory light chains of adductor smooth muscle myosin from Patinopecten yessoensis. Miyanishi T, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):541-51

Two different preparations of subfragment-1 from chicken skeletal myosin and from porcine cardiac myosin. Nakata S, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):965-8

Selective separation of tryptophan-containing peptides via hydrophobic modification with 2-nitro-4-carboxyphenylsulfenyl chloride. Tanaka S, et al. **J Biochem (Tokyo)** 1985 May;97(5):1377-84

Structure of the 22-residue somatostatin from catfish. An O-glycosylated peptide having multiple forms. Andrews PC, et al. **J Biol Chem** 1984 Nov 10;259(21):13267-72

Isolation and sequence of a tryptic peptide containing the autophosphorylation site of the regulatory subunit of bovine brain protein kinase II. Stein JC, et al. **J Biol Chem** 1985 Sep 15;260(20):10991-5

The structure of prothrombin fragment 1 at 3.5-A resolution. Tulinsky A, et al. **J Biol Chem** 1985 Sep 5;260(19):10771-8

Purification and general properties of the DNA-binding protein (P16) from rat liver mitochondria. Pavco PA, et al. **J Cell Biol** 1985 Jan;100(1):258-64

Methodology for purification of large hydrophobic peptides by high-performance liquid chromatography. Grandier-Vazeille X, et al. **J Chromatogr** 1984 Jul 27; 296:301-8

Interaction between fluorescence-labeled fibronectin fragments studied by gel high-performance liquid chromatography. Homandberg GA, et al. **J Chromatogr** 1985 Jun 26;327:343-9

Separation of cyanogen bromide fragments from normal and abnormal human serum albumin by reversed-phase high-performance liquid chromatography. Iadarola P, et al. **J Chromatogr** 1984 Aug 24;298(2):336-44

Purification of a cholecystokinin fragment peptide in the horizontal flow-through coil planet centrifuge. Knight M, et al. **J Chromatogr** 1984 Sep 28;301(1):277-81

Use of guanidine hydrochloride in the purification by reversed-phase high-performance liquid chromatography of thyroxinyl- and triiodothyronylpeptides derived from thyroglobulin. Marriq C, et al. **J Chromatogr** 1985 Apr 26; 323(2):395-401

Purification of hemopexin and its domain fragments by affinity chromatography and high-performance liquid chromatography. Takahashi N, et al. **J Chromatogr** 1985 Jun 19;326:373-85

Fragments of prosomatostatin isolated from a human pancreatic tumour. Conlon JM, et al. **Mol Cell Endocrinol** 1984 Nov;38(1):81-6

Tissue distribution and molecular forms of a novel pituitary protein in the rat. Iguchi H, et al. **Neuroendocrinology** 1984 Nov;39(5):453-8

Purification and sequencing of a rat intestinal 22 amino acid C-terminal CCK fragment. Eng J, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1203-6

Characterization of two novel forms of cholecystokinin isolated from bovine upper intestine. Carlquist M, et al. **Regul Pept** 1985 May;11(1):27-34

[High performance liquid chromatography of peptide bioregulators, their fragments and derivatives. II. Sorption of peptides from aqueous-organic eluents on octadecylsilylsilica gel and unmodified silica gel] Grigor'eva VD, et al. **Bioorg Khim** 1985 Apr;11(4):447-54 (Eng. Abstr.) **(Rus)**

METABOLISM

Somatostatin-28 [1-12]-like peptides. Benoit R, et al. **Adv Exp Med Biol** 1985;188:89-107

The carbohydrate on human chorionic gonadotropin produced by cancer cells. Cole LA, et al. **Adv Exp Med Biol** 1984;176:245-70

A candidate carrier protein for beta-human chorionic gonadotropin: 54,000-molecular-weight fragment of tetanus toxin. Covey DC, et al. **Am J Reprod Immunol Microbiol** 1985 Jun;8(2):43-7

Identification and possible function of pro-opiomelanocortin-derived peptides in the testis. Bardin CW, et al. **Ann NY Acad Sci** 1984;438:346-64

Binding and neutralization of bacterial lipopolysaccharide by colistin nonapeptide. Warren HS, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):107-12

Characterization of an active-site peptide modified by glyoxylate and pyridoxal phosphate from spinach ribulosebisphosphate carboxylase/oxygenase. Cook CM, et al. **Arch Biochem Biophys** 1985 Jul;240(1):402-12

A monoclonal antibody to the epsilon-aminocaproic acid binding site on the kringle 4 region of human plasminogen that accelerates the activation of Glu1-plasminogen by urokinase. Cummings HS, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):612-8

Proteolytic dissection of rat brain hexokinase: determination of the cleavage pattern during limited digestion with trypsin. Polakis PG, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):341-52

Effect of mild heat treatment on the ATPase activity and proteolytic sensitivity of myosin subfragment-1. Setton A, et al. **Arch Biochem Biophys** 1984 Dec;235(2):411-7

Limited proteolysis of human erythrocyte Ca2+-ATPase in membrane-bound form. Identification of calmodulin-binding fragments. Emelyanenko EI, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):214-9

Introduction of macromolecules into hemopoietic stem cells with an erythrocyte-ghost-mediated system. Hosoi T, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):193-8

A synthetic fragment of rat transforming growth factor alpha with receptor binding and antigenic properties. Nestor JJ Jr, et al. **Biochem Biophys Res Commun** 1985 May 31; 129(1):226-32

Specific binding of synthetic human pancreatic growth hormone releasing factor (1-40-OH) to bovine anterior pituitaries. Velicelebi G, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):33-9

Amino acid sequence around the covalently-bound flavin prosthetic group of Corynebacterium sarcosine oxidase. Shiga Y, et al. **Biochem Int** 1983 Jun;6(6):737-42

Removal of an N-terminal peptide from mitochondrial aspartate aminotransferase abolishes its interactions with mitochondria in vitro. O'Donovan KM, et al. **Biochem J** 1985 Jun 15;228(3):609-14

Hormonal and drug effects on the degradation of human myelin basic protein peptide 43-88 by alkaline proteolytic activity in the rat kidney. Trestman RL, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1231-7

Limited proteolysis of enzymes: the generation of functionally modified derivatives in vitro and in vivo. Beynon RJ, et al. **Biochem Soc Trans** 1985 Apr;13(2):306-8

Nucleotide-induced changes in the proteolytically sensitive regions of myosin subfragment 1. Applegate D, et al. **Biochemistry** 1984 Sep 25;23(20):4779-84

Hydrodynamic studies on the streptokinase complexes of human plasminogen, Val442-plasminogen, plasmin, and the plasmin-derived light (B) chain. Barlow GH, et al. **Biochemistry** 1984 May 22;23(11):2384-7

Transient kinetics of the binding of ATP to actomyosin subfragment 1: evidence that the dissociation of actomyosin subfragment 1 by ATP leads to a new conformation of subfragment 1. Biosca JA, et al. **Biochemistry** 1984 May 22;23(11):2428-36

Effect of tryptic cleavage on the stability of myosin subfragment 1. Isolation and properties of the severed heavy-chain subunit. Burke M, et al. **Biochemistry** 1985 Feb 12;24(4):846-52

Interaction of isozymes of myosin subfragment 1 with actin: effect of ionic strength and nucleotide. Chalovich JM, et al. **Biochemistry** 1984 Oct 9;23(21):4885-9

Cross-linking of actin to myosin subfragment 1: course of reaction and stoichiometry of products. Chen T, et al. **Biochemistry** 1985 Jan 1;24(1):137-44

Bovine serum albumin: characterization of a fatty acid binding site on the N-terminal peptic fragment using a new spin-label. Hsia JC, et al. **Biochemistry** 1984 Dec 4; 23(25):5930-2

Effects of interchain disulfide cross-links on the trypsin cleavage pattern and conformation of myosin subfragment 2. Lu RC, et al. **Biochemistry** 1984 Dec 4;23(25):5975-81

Incorporation of 6-carboxyfluorescein into myosin subfragment 1. Mornet D, et al. **Biochemistry** 1985 Feb 12;24(4):840-6

Characterization of the properties of ethenoadenosine nucleotides bound or trapped at the active site of myosin subfragment 1. Perkins WJ, et al. **Biochemistry** 1984 Aug 14;23(17):3994-4002

Rate-limiting step in the actomyosin adenosinetriphosphatase cycle: studies with myosin subfragment 1 cross-linked to actin. Stein LA, et al. **Biochemistry** 1985 Mar 12; 24(6):1357-63

Comparison of effects of smooth and skeletal muscle tropomyosins on interactions of actin and myosin subfragment 1. Williams DL Jr, et al. **Biochemistry** 1984 Aug 28;23(18):4150-5

The rate of MgADP binding to and dissociation from acto-S1. Borejdo J, et al. **Biochim Biophys Acta** 1985 Apr 5;828(2):172-6

Characterization of the actin-binding site on the alkali light chain of myosin. Henry GD, et al. **Biochim Biophys Acta** 1985 Aug 23;830(3):233-43

Inhibition of lipid peroxidation by heme-nonapeptide derived from cytochrome c. Vodnyánszky L, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):411-4

Preparation and properties of a single-sited fragment from the C-terminal domain of human transferrin. Zak O, et al. **Biochim Biophys Acta** 1985 Jul 1;829(3):348-53

In vitro synthesis of thyroxine in a low molecular weight polypeptide fragment from human thyroglobulin. Lejeune PJ, et al. **Biochimie** 1985 Feb;67(2):199-203

Human chorionic gonadotropin alpha-subunit of normal placenta: characterization of synthesis and association with beta-subunit. Posillico EG, et al. **Biol Reprod** 1985 Jun; 32(5):1101-8

Binding of myosin subfragment 1 to glycerinated insect flight muscle in the rigor state. Goody RS, et al. **Biophys J** 1985 Feb;47(2 Pt 1):151-69

Immunocytochemical localization of somatostatin-28 in the rat hypothalamus. Guy J, et al. **Brain Res** 1985 Mar 25; 330(2):283-9

Translocation of secretory proteins across the microsomal membrane occurs through an environment accessible to aqueous perturbants. Gilmore R, et al. **Cell** 1985 Sep; 42(2):497-505

Slow metabolic clearance rate of the 20,000-dalton variant of human growth hormone: implications for biological activity. Baumann G, et al. **Endocrinology** 1985 Oct; 117(4):1309-13

Metabolism of radioiodinated carboxy-terminal fragments of bovine parathyroid hormone in normal and anephric rats. D'Amour P, et al. **Endocrinology** 1985 Jul;117(1):127-34

Absence of biological effects of oxidized parathyroid hormone-(1-34) in dogs and rats. Galceran T, et al. **Endocrinology** 1984 Dec;115(6):2375-8

Rat parathyroid hormone-(1-34) fragment: renal adenylate cyclase activity and receptor binding properties in vitro. Keutmann HT, et al. **Endocrinology** 1985 Sep;117(3):1230-4

Intracellular kinetics of free catalytic units dissociated from adenosine 3',5'-monophosphate-dependent protein kinase in adrenocortical tumor cells (Y-1). Murray SA, et al. **Endocrinology** 1985 Jan;116(1):364-74

Hepatic metabolism of somatostatin-14 and somatostatin-28: immunochemical characterization of the metabolic fragments and comparison of cleavage sites. Ruggere MD, et al. **Endocrinology** 1985 Jul;117(1):88-96

Processing peptidase of Neurospora mitochondria. Two-step cleavage of imported ATPase subunit 9. Schmidt B, et al. **Eur J Biochem** 1984 Nov 2;144(3):581-8

Vasopressin metabolite peptide (AVP-(4-9)) binding sites in rat kidney: distribution distinct from vasopressin binding sites. Brinton RE, et al. **Eur J Pharmacol** 1985 Feb 5; 108(3):321-2

[D-Pro10]Dynorphin-(1-11) is a highly potent and selective ligand for kappa opioid receptors. Gairin JE, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):457-8

Identity of the metal ligands in the manganese- and iron-containing superoxide dismutases. Barra D, et al. **FEBS Lett** 1985 Jan 7;179(2):329-31

C-terminal lysine residues of fibrinogen fragments essential for binding to plasminogen. Christensen U. **FEBS Lett** 1985 Mar 11;182(1):43-6

An aminopeptidase activity in bovine pituitary secretory vesicles that cleaves the N-terminal arginine from beta-lipotropin60-65. Gainer H, et al. **FEBS Lett** 1984 Sep 17;175(1):135-9

Precursor-product relationship between the 26-kDa and 18-kDa fragments formed by iodination of human thyroglobulin. Marriq C, et al. **FEBS Lett** 1984 Sep 17; 175(1):140-6

Synthesis of a nonacosapeptide (beta-fragment) corresponding to the N-terminal sequence 1-29 of human liver metallothionein II and its heavy metal-binding properties. Okada Y, et al. **FEBS Lett** 1985 Apr 22; 183(2):375-8

The tryptic and chymotryptic fragments of the beta-subunit of guanine nucleotide binding proteins in brain are identical to those of retinal transducin. Pines M, et al. **FEBS Lett** 1985 Mar 25;182(2):355-9

Spatial relationship between SH1 and the actin binding site on myosin subfragment-1 surface. Yamamoto K, et al. **FEBS Lett** 1984 Oct 15;176(1):75-8

Rat pancreas contains the proglucagon(64-69) fragment and arginine stimulates its release. Yanaihara C, et al. **FEBS Lett** 1985 Aug 5;187(2):307-10

Actomyosin adenosine triphosphatase regulation by intramolecular myosin mechanisms. Myosin light chains functions and rod modification effects. Kofman EB, et al. **Gen Physiol Biophys** 1984 Jun;3(3):201-21

Formation of water-soluble complex between the 1-34 fragment of parathyroid hormone and dimyristoylphosphatidylcholine. Epand RM, et al. **Int J Pept Protein Res** 1985 Jun;25(6):594-600

Chemical crosslinking of myosin subfragment-1 to F-actin in the presence of nucleotide. Arata T. **J Biochem (Tokyo)** 1984 Aug;96(2):337-47

Photosensitized direct cross-linking of fluorescent analogs of ATP to the adenine recognition domain in myosin ATPase. Hiratsuka T. **J Biochem (Tokyo)** 1985 Jan; 97(1):71-8

Interaction between myosin and F-actin. Correlation with actin-binding sites on subfragment-1. Katoh T, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1223-30

Calcium binding and conformation of regulatory light chains of smooth muscle myosin of scallop. Morita F, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):553-61

Involvement of C-terminal 14 residues of alkali light chain in binding to the heavy chain of myosin. Ueno H, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1785-93

An efficient exchange method for alkali light chain in myosin subfragment. Ueno H, et al. **J Biochem (Tokyo)** 1984 Sep; 96(3):895-900

Kinetic properties of binding of myosin subfragment-1 with F-actin in the absence of nucleotide. Yasui M, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1673-80

Tubulin, hybrid dimers, and tubulin S. Stepwise charge reduction and polymerization. Bhattacharyya B, et al. **J Biol Chem** 1985 Aug 25;260(18):10208-16

Phosphorylase phosphatase catalytic subunit. Evidence that the Mr = 33,000 enzyme fragment is derived from a native protein of Mr = 70,000. Brautigan DL, et al. **J Biol Chem** 1985 Apr 10;260(7):4295-302

Interaction of gelatin with a fluorescein-labeled 42-kDa chymotryptic fragment of fibronectin. Forastieri H, et al. **J Biol Chem** 1985 Sep 5;260(19):10546-50

Structure-function relationships in glucagon. Re-evaluation of glucagon-(1-21). Frandsen EK, et al. **J Biol Chem** 1985 Jun 25;260(12):7581-4

Demonstration of high affinity fibronectin receptors on rat hepatocytes in suspension. Johansson S. **J Biol Chem** 1985 Feb 10;260(3):1557-61

Actin-binding peptide obtained by the cyanogen bromide cleavage of the 20-kDa fragment of myosin subfragment-1. Katoh T, et al. **J Biol Chem** 1985 Jun 10;260(11):6723-7

Filament formation and actin-activated ATPase activity are abolished by proteolytic removal of a small peptide from the tip of the tail of the heavy chain of Acanthamoeba myosin II. Kuznicki J, et al. **J Biol Chem** 1985 Feb 10; 260(3):1967-72

Photochemical probes of the active site of myosin. Irradiation of trapped 3'-O-(4-benzoyl)benzoyladenosine 5'-triphosphate labels the 50-kilodalton heavy chain tryptic peptide. Mahmood R, et al. **J Biol Chem** 1984 Nov 10; 259(21):12956-9

Proteolytic substructure of brain myosin. Matsumura S, et al. **J Biol Chem** 1985 Feb 10;260(3):1959-66

Selective affinity chromatography with calmodulin fragments coupled to sepharose. Ni WC, et al. **J Biol Chem** 1985 Jun 10;260(11):6974-81

Primary structure of a glycosylated DNA-binding domain in human plasma fibronectin. Pande H, et al. **J Biol Chem** 1985 Feb 25;260(4):2301-6

Interaction of tetanus toxin with lipid vesicles at low pH. Protection of specific polypeptides against proteolysis. Roa M, et al. **J Biol Chem** 1985 Jun 10;260(11):6827-35

Reactions of 1-N6-ethenoadenosine nucleotides with myosin subfragment 1 and acto-subfragment 1 of skeletal and smooth muscle. Rosenfeld SS, et al. **J Biol Chem** 1984 Oct 10;259(19):11920-9

The ATPase mechanism of skeletal and smooth muscle acto-subfragment 1. Rosenfeld SS, et al. **J Biol Chem** 1984 Oct 10;259(19):11908-19

Identification of residues in the nucleotide binding site of the epidermal growth factor receptor/kinase. Russo MW, et al. **J Biol Chem** 1985 May 10;260(9):5205-8

Tb3+ binding to bovine prothrombin and bovine prothrombin fragment 1. Sommerville LE, et al. **J Biol Chem** 1985 Sep 5;260(19):10444-52

The fibrin-binding site of human plasminogen. Arginines 32 and 34 are essential for fibrin affinity of the kringle 1 domain. Váli Z, et al. **J Biol Chem** 1984 Nov 25; 259(22):13690-4

Characterization of parathyroid hormone fragments produced by cathepsin D. Zull JE, et al. **J Biol Chem** 1985 Feb 10;260(3):1608-13

Decoration with myosin subfragment-1 disrupts contacts between microfilaments and the cell membrane in isolated Dictyostelium cortices. Bennett H, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1434-40

Site specificity in vimentin-membrane interactions: intermediate filament subunits associate with the plasma membrane via their head domains. Georgatos SD, et al. **J Cell Biol** 1985 Jun;100(6):1962-7

Glycoprotein hormone alpha-subunit response to growth hormone (GH)-releasing hormone in patients with active acromegaly. Evidence for alpha-subunit and GH coexistence in the same tumoral cell. Beck-Peccoz P, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):541-6

Lack of binding of serum glycoprotein hormone alpha subunit to concanavalin A-Sepharose reflects increased branching of the oligosaccharide chains. Chapman AJ, et al. **J Endocrinol** 1984 Oct;103(1):111-6

Nonrandom catabolism of proteins in the formation of antigenic peptide fragments. Thomas DW, et al. **J Immunol** 1985 Aug;135(2):1259-63

Kinetics of dithionite reduction of the heme nonapeptide of cytochrome c. Arif Kazmi S, et al. **J Inorg Biochem** 1985 May;24(1):9-12

Prothrombin fragment 1-membrane interactions: a calcium-43 NMR study. Bouhoutsos-Brown E, et al. **J Inorg Biochem** 1984 Aug;21(4):337-43

Removal of tropomyosin overlap and the co-operative response to increasing calcium concentrations of the acto-subfragment-1 ATPase. Walsh TP, et al. **J Mol Biol** 1985 Mar 20;182(2):265-9

Kinetics of acto-S1 interaction as a guide to a model for the crossbridge cycle. Geeves MA, et al.

NEWARK PUBLIC LIBRARY

J Muscle Res Cell Motil 1984 Aug;5(4):351-61

Kappa-binding and degradation of [3H]dynorphin A (1-8) and [3H]dynorphin A (1-9) in suspensions of guinea pig brain membranes. Gillan MG, et al. **J Neurochem** 1985 Oct; 45(4):1034-42

Pharmacological experiments on the binding and internalization of the 50,000 dalton carboxyterminus of tetanus toxin at the cholinergic neuromuscular junction. Simpson LL. **J Pharmacol Exp Ther** 1985 Jul;234(1):100-5

Active uptake system for substance P carboxy-terminal heptapeptide (5-11) into a fraction from rabbit enriched in glial cells. Inoue A, et al. **Jpn J Pharmacol** 1984 Oct; 36(2):137-45

[3H]-Dynorphin A (1-8): degradation profile and binding characteristics in brain homogenates. Gillan MG, et al. **Neuropeptides** 1985 Feb;5(4-6):533-6

Autoradiographic localization of binding sites for the arginine-vasopressin (VP) metabolite, VP4-9, in rat brain. de Kloet ER, et al. **Neurosci Lett** 1985 May 1;56(1):7-11

Products of cholecystokinin (CCK)-octapeptide proteolysis interact with central CCK receptors. Steardo L, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):319-25

Intracellular acetylation of desacetyl alpha MSH in the Xenopus laevis neurointermediate lobe. Goldman ME, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1129-34

Decreased pancreatic CCK receptor binding and CCK-stimulated amylase release in Zucker obese rats. McLaughlin CL, et al. **Physiol Behav** 1984 Jun;32(6):961-5

Kinetic circular dichroism shows that the S-peptide alpha-helix of ribonuclease S unfolds fast and refolds slowly. Labhardt AM. **Proc Natl Acad Sci USA** 1984 Dec; 81(24):7674-8

ADP dissociation from actomyosin subfragment 1 is sufficiently slow to limit the unloaded shortening velocity in vertebrate muscle. Siemankowski RF, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):658-62

Cooperativity of thymopoietin 32-36 (the active site) and thymopoietin 38-45 in receptor binding. Audhya T, et al. **Regul Pept** 1984 Oct;9(3):155-64

A kinetic model describing the interaction of bovine prothrombin fragment 1 with calcium ions. Kabis CW, et al. **Thromb Haemost** 1985 Feb 18;53(1):19-23

The activation of Glu- and Lys-plasminogens by streptokinase: effects of fibrin, fibrinogen and their degradation products. Takada A, et al. **Thromb Res** 1985 Feb 1;37(3):465-75

Ligand effects on actin activated ATPase of cardiac and skeletal muscle myosin: the functional role of the light chain isozymes of subfragment-1. Balish MS, et al. **Trans Assoc Am Physicians** 1984;97:95-103

[Hydrolytic properties of plasmin 1 and 2 and miniplasmin] Kastrikina TF, et al. **Dokl Akad Nauk SSSR** 1984 Sep-Oct; 278(1):240-2 **(Rus)**

[Ionophore properties of peptide fragments of brain Na+,K+-Atpase] Sorokina ZA. **Ukr Biokhim Zh** 1984 Jul-Aug;56(4):413-7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Human pancreatic growth hormone releasing factor (hpGRF): GRF- and GH-levels after bolus injection and infusion of hpGRF. von Werder K, et al. **Acta Neurochir (Wien)** 1985;75(1-4):81-7

Effect of somatostatin and its fragments on turning behaviour induced by unilateral substantia nigra lesion in the rat. Vécsei L, et al. **Acta Physiol Hung** 1984;64(2):157-62

Evidence of bPTH-(1-34) sensitive adenylate cyclase in isolated rabbit renal cortex arterioles. Helwig JJ, et al. **Adv Exp Med Biol** 1984;178:303-9

Heparin-binding fragments of fibronectin are potent inhibitors of endothelial cell growth. Homandberg GA, et al. **Am J Pathol** 1985 Sep;120(3):327-32

Cardiovascular responses to parathyroid hormone. Crass MF 3d, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):E187-94

Stimulation of pituitary cAMP accumulation by human pancreatic GH-releasing factor-(1-44). Culler MD, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E609-15

Effects of in vivo gonadal hormone environment on in vitro hGRF-40-stimulated GH release. Evans WS, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E276-80

cAMP response of vascular smooth muscle cells to bovine parathyroid hormone. Stanton RC, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E822-6

Mechanisms of action of two new immunomodulators. Waymack JP, et al. **Arch Surg** 1985 Jan;120(1):43-8

Adrenocorticotrophic hormone and melanocyte stimulating hormone do not affect performance in hippocampus-lesioned or control pigeons. Sahgal A. **Behav Brain Res** 1984 Oct;14(1):9-15

ACTH4-10 produces a transient decrease in septal hyperemotionality. Isaacson RL, et al. **Behav Neural Biol** 1985 Jan;43(1):109-13

Administration of human pancreatic growth hormone-releasing factor (GRF) analogs enhances responsiveness of cultured rat pituitary cells to GRF. Heiman ML, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):217-22

Inhibition of analgesia by C-terminal deletion analogs of human beta-endorphin. Nicolas P, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):649-55

GRF (somatocrinin) stimulates release of neurotensin, calcitonin and cAMP by a rat C cell line. Zeytin F, et al. **Biochem Biophys Res Commun** 1984 Sep 17; 123(2):497-506

Stimulation of 3-O-methylglucose transport in adipocytes by a synthetic human growth hormone fragment. Ng FM, et al. **Biochem Int** 1985 Mar;10(3):507-16

Effects of caerulein-related peptides on cholecystokinin receptor bindings in brain and pancreas. Fujimoto M, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1103-7

Effect of an adrenocorticotropin analogue, ACTH 1-17, on DNA synthesis in murine metaphyseal bone. Walker WV, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1191-6

Differential effects of parathyroid hormone responsive cultured human cells on biological activity of parathyroid hormone and parathyroid hormone inhibitory analogues. Goldring SR, et al. **Biochemistry** 1985 Jan 15;24(2):513-8

Regulation of 24,25-dihydroxyvitamin D-3 production by 1,25-dihydroxyvitamin D-3 and synthetic human parathyroid hormone fragment 1-34 in a cloned monkey kidney cell line (JTC-12). Matsumoto T, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):358-65

Effects of proopiomelanocortin-derived peptides, methionine-enkephalin and forskolin on the maturation of ovine fetal adrenal cells in culture. Durand P, et al. **Biol Reprod** 1984 Nov;31(4):694-704

Induction and augmentation of mitogen-induced immune interferon production in human lymphocytes by a synthetic thymopoietin pentapeptide. Diezel W, et al. **Biomed Biochim Acta** 1984;43(6):K9-12

Acceleration of fibrinolysis by the N-terminal peptide of alpha 2-plasmin inhibitor. Kimura S, et al. **Blood** 1985 Jul; 66(1):157-60

The vasorelaxant action of parathyroid hormone fragments on isolated rat tail artery. Pang PK, et al. **Blood Vessels** 1985;22(2):57-64

Spatial learning and the hippocampal corticosterone receptor system of old rats: effect of the ACTH4-9 analogue ORG 2766. Rigter H, et al. **Brain Res** 1984 Sep 10;309(2):393-8

Effect of pancreatic growth hormone releasing factors on GH secretion by human somatotrophic pituitary tumours in cell culture. Adams EF, et al. **Clin Endocrinol (Oxf)** 1984 Dec;21(6):709-18

The response of normal subjects and patients with idiopathic growth hormone deficiency to continuous infusion of human pancreatic growth hormone releasing factor 1-44. Davies RR, et al. **Clin Endocrinol (Oxf)** 1984 Nov; 21(5):569-74

Oral glucose inhibits growth hormone secretion induced by human pancreatic growth hormone releasing factor 1-44 in normal man. Davies RR, et al. **Clin Endocrinol (Oxf)** 1984 Oct;21(4):477-81

Effects of GRF(1-40) and domperidone on GH secretion in normal man. Giusti M, et al. **Clin Endocrinol (Oxf)** 1984 Oct;21(4):339-43

Responses to analogues of growth hormone-releasing hormone in normal subjects, and in growth-hormone deficient children and young adults. Grossman A, et al. **Clin Endocrinol (Oxf)** 1984 Sep;21(3):321-30

Impaired growth hormone response to growth hormone releasing factor and insulin-hypoglycaemia in obesity. Kopelman PG, et al. **Clin Endocrinol (Oxf)** 1985 Jul; 23(1):87-94

Growth hormone responsiveness to human pancreatic growth hormone releasing factor in acromegaly: modulatory effects of basal hormone levels and of concomitant somatostatin administration. Pieters GF, et al. **Clin Endocrinol (Oxf)** 1984 Dec;21(6):701-7

Opposite effects exist in cardiovascular control after central and peripheral administration of calcitonin (CT) and parathyroid hormone (PTH). Delbarre B, et al. **Clin Exp Hypertens** [A] 1984;6(10-11):2079-84

Effects of different fragments of the fibronectin molecule on latex bead translocation along neural crest migratory pathways. Bronner-Fraser M. **Dev Biol** 1985 Mar; 108(1):131-45

Growth hormone responses to growth-hormone-releasing hormone and thyrotropin-releasing hormone in diabetic patients with and without retinopathy. Kaneko K, et al. **Diabetes** 1985 Jul;34(7):710-3

Effects of thymopoietin pentapeptide (TP-5) on in vitro and in vivo IgE production by atopic dermatitis cell subsets. Cooper KD, et al. **Diagn Immunol** 1983;1(3):211-5

The effect of glucagon and glucagon 1-21 on anal sphincter function. Pedersen IK, et al. **Dis Colon Rectum** 1985 Apr; 28(4):235-7

Changes induced in rabbit plasma and aqueous humour by ACTH4-10 and ACTH1-24. Stárka L, et al. **Endocrinol Exp (Bratisl)** 1985 Mar;19(1):25-8

Plasma GH and somatomedin C responses to single and repeated administrations of human growth hormone releasing factor (hGRF). Takano K, et al. **Endocrinol Jpn** 1985 Feb;32(1):73-80

Pituitary response of growth hormone release in administration of hpGRF-44 to pregnant rats. Uchida N, et al. **Endocrinol Jpn** 1984 Dec;31(6):831-5

1,25-Dihydroxyvitamin D production after stimulation with synthetic human parathyroid hormone (1-34) in hypoparathyroid and renal tubular disorders. Yasuda T, et al. **Endocrinol Jpn** 1984 Aug;31(4):407-15

Stimulation of somatostatin release in vitro by synthetic human growth hormone-releasing factor by a nondopaminergic mechanism. Aguila MC, et al. **Endocrinology** 1985 Aug;117(2):762-5

The effects of growth hormone (GH)-releasing peptides on GH secretion in perifused pituitary cells of adult male rats. Badger TM, et al. **Endocrinology** 1984 Oct;115(4):1432-8

The effects of thyroid hormone deprivation in vivo and in vitro on growth hormone (GH) responses to human pancreatic (tumor) GH-releasing factor (1-40) by dispersed rat anterior pituitary cells. Dieguez C, et al. **Endocrinology** 1985 Mar;116(3):1066-70

Dose-response characteristics of various peptides with growth hormone-releasing activity in the unanesthetized male rat. McCormick GF, et al. **Endocrinology** 1985 Jul; 117(1):97-105

12-O-tetradecanoyl phorbol-13-acetate stimulates rat growth hormone (GH) release through different pathways from that of human pancreatic GH-releasing factor. Ohmura E, et al. **Endocrinology** 1985 Feb;116(2):728-33

Parallel studies of His-DTrp-Ala-Trp-DPhe-Lys-NH2 and human pancreatic growth hormone-releasing factor-44-NH2 in rat primary pituitary cell monolayer culture. Sartor O, et al. **Endocrinology** 1985 Mar; 116(3):952-7

Human pancreatic tumor growth hormone-releasing factor stimulates anterior pituitary adenylate cyclase activity, adenosine 3',5'-monophosphate accumulation, and growth hormone release in a calmodulin-dependent manner. Schettini G, et al. **Endocrinology** 1984 Oct;115(4):1308-14

Human pancreatic growth hormone-releasing factor-44 differentially stimulates release of stored and newly synthesized rat growth hormone in vitro. Stachura ME, et al. **Endocrinology** 1985 Feb;116(2):698-706

Effects of synthetic analogs and fragments of bovine parathyroid hormone on adenosine 3',5'-monophosphate level, ornithine decarboxylase activity, and glycosaminoglycan synthesis in rabbit costal chondrocytes in culture: structure-activity relations. Takano T, et al. **Endocrinology** 1985 Jun;116(6):2536-42

Studies on the possible central effects in man of a neuropeptide (ACTH 4-9 analogue). Nicholson AN, et al. **Eur J Clin Pharmacol** 1984;27(5):561-5

A substance P antagonist not containing D-tryptophan. Escher E, et al. **Eur J Pharmacol** 1984 Oct 15; 105(3-4):375-7

Central and peripheral sites for cardiovascular actions of dynorphin-(1-13) in rats. Gautret B, et al. **Eur J Pharmacol** 1985 May 8;111(2):263-6

Endogenous digitalis-like factors: in vitro comparison of biological and immunological activities of peptide and steroid candidates. Hnatowich M, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):567-75

Dynorphin-(1-13) restores the potency of morphine on the tolerant guinea pig ileum. Rezvani A, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):475-9

Potentiation of the antagonistic effect of ACTH11-24 on steroidogenesis by synthesis of covalent dimeric conjugates. Fauchère JL, et al. **FEBS Lett** 1985 Apr 22;183(2):283-6

Cardiac actions of bovine parathyroid hormone fragment (1-34) in some lower vertebrates. Furspan PB, et al. **Gen Comp Endocrinol** 1984 Nov;56(2):246-51

Effect of carp gonadotropin (cGTH) and a fraction unabsorbed on concanavalin A-Sepharose obtained from cGTH on vitellogenesis in the hypophysectomized marine teleost Gobius niger. Le Menn F, et al. **Gen Comp Endocrinol** 1985 Jan;57(1):23-36

Comparative studies on the effects of cholecystokinins, caerulein, bombesin 6-14 nonapeptide, and physalaemin on gastric secretion in the ascidian Styela clava. Thorndyke MC, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):251-9

Comparisons of avian renal responses to bovine parathyroid extract, synthetic bovine (1-34) parathyroid hormone, and synthetic human (1-34) parathyroid hormone. Wideman RF Jr, et al. **Gen Comp Endocrinol** 1985 Mar;57(3):480-90

Effects of analogues of substance P fragments on the MAO activity in rat brain. Turska E, et al. **Gen Pharmacol** 1985; 16(3):293-5

Fragments of myelin basic protein derived from human brain are not mitogenic in cultures of human amniotic fluid cells and other cells. Addison GM, et al. **Horm Metab Res** 1984 Jun;16(6):311-4

Interaction between human pancreatic growth hormone releasing factor (hpGRF) and thyrotropin releasing hormone (TRH) on growth hormone secretion in domestic fowl. Harvey S, et al. **Horm Metab Res** 1985 Feb; 17(2):113-4

First clinical observations with hPTH(1-38), a more potent human parathyroid hormone peptide. Hesch RD, et al. **Horm Metab Res** 1984 Oct;16(10):559-60

Growth hormone hyperresponsiveness to human pancreatic growth hormone releasing hormone in streptozotocin-diabetic rats. Locatelli V, et al. **Horm Metab Res** 1984 Sep;16(9):507

Induction of cytotoxic cell activity by peptide fragments of beta 2-microglobulin. Rola-Pleszczynski M, et al. **Immunopharmacology** 1985 Feb;9(1):39-43

Small heparin fragments regulate the amplification pathway of complement. Sharath MD, et al. **Immunopharmacology** 1985 Apr;9(2):73-80

Immunomodulation with thymopentin in humans. Bolla K, et al. **Int J Clin Pharmacol Res** 1984;4(6):431-8

Regulatory role of a tripeptide (TKP) from the second constant domain of immunoglobulin g--I. Inhibition of rat and human macrophage activities. Auriault C, et al. **Int J Immunopharmacol** 1985;7(1):73-9

Studies on the selectivity of action of colistin, colistin nonapeptide and colistin heptapeptide on the cell envelope of Escherichia coli. Ito-Kagawa M, et al. **J Antibiot (Tokyo)** 1984 Aug;37(8):926-8

Induction of spermidine/spermine N1-acetyltransferase by parathyroid hormone in rabbit costal chondrocytes in culture. Matsui-Yuasa I, et al. **J Biochem (Tokyo)** 1985 Jan; 97(1):387-90

Inhibition of human renin by synthetic peptides derived from its prosegment. Cumin F, et al. **J Biol Chem** 1985 Aug 5;260(16):9154-7

Inhibition of fibronectin binding to platelets by proteolytic fragments and synthetic peptides which support fibroblast adhesion. Ginsberg M, et al. **J Biol Chem** 1985 Apr 10; 260(7):3931-6

Stimulation of the purified erythrocyte Ca2+-ATPase by tryptic fragments of calmodulin. Guerini D, et al. **J Biol Chem** 1984 Dec 25;259(24):15172-7

Detachment of cells from culture substrate by soluble fibronectin peptides. Hayman EG, et al. **J Cell Biol** 1985 Jun;100(6):1948-54

Augmentation by propranolol of growth hormone-releasing hormone-(1-44)-NH2-induced growth hormone release in normal short and normal children. Chihara K, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):229-33

Changes in growth hormone (GH) secretion induced by human pancreatic GH releasing hormone-44 in acromegaly: a comparison with thyrotropin-releasing hormone and bromocriptine. Chiodini PG, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):48-52

Effects of human pancreatic growth hormone-releasing factor-40 on serum growth hormone, prolactin, luteinizing hormone, follicle-stimulating hormone, and somatomedin-C concentrations in normal women throughout the menstrual cycle. Evans WS, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):1006-10

The effect of glucose on growth hormone (GH)-releasing hormone-mediated GH secretion in man. Masuda A, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):523-6

Effects of proopiomelanocortin peptides and angiotensin II on steroidogenesis in isolated aldosteronoma cells. Pham-Huu-Trung MT, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):467-71

Effects of human pancreatic tumor growth hormone-releasing hormone (hpGRH1-44-NH2) on immunoreactive and bioactive plasma growth hormone in normal young men. Sassolas G, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):705-9

Effect of corticotropin-like intermediate lobe peptide on pancreatic exocrine function in isolated rat pancreatic lobules. Marshall JB, et al. **J Clin Invest** 1984 Nov; 74(5):1886-9

Effect of synthetic human pancreatic growth hormone-releasing factors on plasma growth hormone concentrations in lactating cows. McCutcheon SN, et al. **J Dairy Sci** 1984 Dec;67(12):2881-6

Growth hormone response to growth hormone-releasing factor in selected and control Holstein heifer calves. Massri YG, et al. **J Dairy Sci** 1985 Jul;68(7):1819-21

Effects of a fragment of human growth hormone-releasing factor in normal and 'Little' mice. Clark RG, et al. **J Endocrinol** 1985 Jul;106(1):1-5

Effect of intravenous bovine growth hormone or human pancreatic growth hormone-releasing factor on milk production and plasma hormones and metabolites in sheep. Hart IC, et al. **J Endocrinol** 1985 May;105(2):189-96

Effect of different growth hormone-releasing factors on the concentrations of growth hormone, insulin and metabolites in the plasma of sheep maintained in positive and negative energy balance. Hart IC, et al. **J Endocrinol** 1985 Apr; 105(1):113-9

Effect of intravenous administration of growth hormone-releasing factor (hpGRF-44) and Tyr-D-Trp-Ala-Trp-D-Phe-NH2 on plasma hormones and metabolites in goats. Hart IC, et al. **J Endocrinol** 1984 Nov;103(2):173-8

Administration of synthetic human pancreatic growth hormone-releasing factor for five days sustains raised serum concentrations of growth hormone in steers. Moseley WM, et al. **J Endocrinol** 1985 Mar;104(3):433-9

Evidence for a novel inhibition of calcium uptake into chick bone in response to bovine parathyroid hormone (1-34) or 16, 16-dimethyl prostaglandin E2 in vivo. Shaw AJ, et al. **J Endocrinol** 1985 Jun;105(3):R5-8

Effects of growth hormone-releasing factor (1-44) on growth hormone release from human somatotrophinomas in vitro: interaction with somatostatin, dopamine, vasoactive intestinal peptide and cycloheximide. White MC, et al. **J Endocrinol** 1985 May;105(2):269-76

Synthetic Fc peptide-mediated regulation of the immune response. II. Analysis of secreted immunoglobulin classes, accessory cell contribution, and lymphocyte proliferation in p23-stimulated spleen cell cultures. Hobbs MV, et al. **J Immunol** 1985 May;134(5):2847-52

The effect of TP-5 and its analogs on skin grafts in mice. Szende B, et al. **J Immunopharmacol** 1985;7(1):67-78

Structure-activity studies on the N-terminal region of growth hormone releasing factor. Coy DH, et al. **J Med Chem** 1985 Feb;28(2):181-5

Structure-activity relationships of C-terminal tri- and tetrapeptide fragments that inhibit gastrin activity. Martinez J, et al. **J Med Chem** 1985 Mar;28(3):273-8

Neuron-specific interactions with two neurite-promoting fragments of fibronectin. Rogers SL, et al. **J Neurosci** 1985 Feb;5(2):369-78

Dual effects of dynorphin-(1-13) on cholinergic and substance P-ergic transmissions in the rabbit iris sphincter muscle. Ueda N, et al. **J Pharmacol Exp Ther** 1985 Feb; 232(2):545-50

Histamine release induced by dynorphin-(1-13) from rat mast cells. Sugiyama K, et al. **Jpn J Pharmacol** 1984 Jul; 35(3):247-52

An ACTH 4-9 analog impairs selective attention in man. Born J, et al. **Life Sci** 1985 Jun 3;36(22):2117-25

Beta-endorphin-(10-16) antagonizes behavioral responses elicited by melatonin following injection into the nucleus accumbens of rats. Gaffori O, et al. **Life Sci** 1985 Jul 29; 37(4):357-64

Growth hormone releasing effect of hpGRF-40 in rats at different time intervals following ablation of the mediobasal hypothalamus. Locatelli V, et al. **Life Sci** 1984 Nov 5; 35(19):1989-95

Hybrids from equine LH: alpha enhances, beta diminishes activity. Bousfield GR, et al. **Mol Cell Endocrinol** 1985 Apr;40(1):69-77

L-prolyl-L-arginine fragment of tuftsin peptide chain elicits analgesic action. Herman ZS, et al. **Naturwissenschaften** 1985 Feb;72(2):85-6

Substance P antagonists and mucociliary activity in rabbit. Lindberg S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):376-81

Modification of basal and GRF-stimulated cyclic AMP levels and growth hormone release by phospholipid metabolic enzyme inhibitors. Cronin MJ, et al. **Neuroendocrinology** 1985 Apr;40(4):332-8

Comparative stimulation of growth hormone secretion in anaesthetized chickens by human pancreatic growth hormone-releasing factor (hpGRF) and thyrotrophin-releasing hormone (TRH). Harvey S, et al. **Neuroendocrinology** 1984 Oct;39(4):314-20

Electrophysiological analysis of kappa opiate receptor activation in the rabbit vas deferens. Lacey MG, et al. **Neuropeptides** 1984 Dec;5(1-3):257-60

ICI 174864, a putative delta opioid antagonist, reverses endotoxemic hypotension: pretreatment with dynorphin 1-13, A kappa agonist, blocks this action. Long JB, et al. **Neuropeptides** 1984 Dec;5(1-3):291-4

Opioid-like properties of seven dynorphin (1-10) analogs. Rezvani A, et al. **Neuropeptides** 1984 Dec;5(1-3):153-6

Dynorphin B-29: chemical synthesis and pharmacological properties in opioid systems in vitro. Sanchez-Blazquez P, et al. **Neuropeptides** 1984 Sep;4(5):369-74

Endogenous opioids modulate the effect of cholecystokinin on insulin release in dogs. Schusdziarra V, et al. **Neuropeptides** 1984 Nov;4(6):507-17

Actions of D-Ala2-D-Leu5-enkephalin and dynorphin A (1-17) on neocortical neurons in vitro. Sutor B, et al. **Neuropeptides** 1984 Dec;5(1-3):241-4

Effects of dynorphin A (1-17), dynorphin A (1-13) and D-ala2-D-leu5-enkephalin on the excitability of pyramidal cells in CA1 and CA2 of the rat hippocampus in vitro. Vidal C, et al. **Neuropeptides** 1984 Dec;5(1-3):237-40

A brain octadecaneuropeptide generated by tryptic digestion of DBI (diazepam binding inhibitor) functions as a proconflict ligand of benzodiazepine recognition sites. Ferrero P, et al. **Neuropharmacology** 1984 Nov; 23(11):1359-62

Reduction of amygdaloid kindled seizures by an analog of ACTH/MSH. Goldman H, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1061-5

Structural and conformational modifications of alpha-MSH/ACTH4-10 provide melanotropin analogues with highly potent behavioral activities. Hirsch MD, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1197-201

Dishabituating effects of an ACTH 4-9 analog in a vigilance task. Born J, et al. **Pharmacol Biochem Behav** 1984 Oct; 21(4):513-9

Beta-endorphin-(1-27) is a naturally occurring antagonist to etorphine-induced analgesia. Nicolas P, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3178-81

Effect of chronic infusion of synthetic atrial natriuretic factor (ANF 8-33) in conscious two-kidney, one-clip hypertensive rats. Garcia R, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):155-9

Effects of cyclic hexapeptide analog of somatostatin on pancreatic secretion in dogs. Konturek SJ, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):68-72

Activation of avian medullary bone osteoclasts by oxidized synthetic parathyroid hormone (1-34). Miller SC, et al. **Proc Soc Exp Biol Med** 1985 May;179(1):38-43

Characteristics of the coronary blood flow response to human PTH-(1-34). Crass MF 3d. **Proc West Pharmacol Soc** 1984; 27:201-4

A new class of potent gastrin antagonists. Martinez J, et al. **Regul Pept** 1984 Nov;9(4):259-62

ACTH 1-17 as a chronomodulator of different biological activities. Butturini U, et al. **Ric Clin Lab** 1984 Apr-Jun; 14(2):263-5

Plasma cortisol and aldosterone after ACTH 1-17: effect of different doses. Casoli P, et al. **Ric Clin Lab** 1984 Apr-Jun; 14(2):167-73

ACTH 1-17 and pituitary-adrenal function in human. Cavagnini F, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):159-65

ACTH 1-17 and short-term memory, anxiety, heart rate, blood pressure. Pancheri P, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):221-9

ACTH 1-17 effects on intermediary metabolites in healthy subjects. Prando R, et al. **Ric Clin Lab** 1984 Apr-Jun; 14(2):175-80

Induction of pituitary lactotrope differentiation by luteinizing hormone alpha subunit. Bégeot M, et al. **Science** 1984 Nov 2;226(4674):566-8

In vitro influence of thymopentin on proliferative responses and phytohemagglutinin-induced interleukin 2 production in normal human lymphocyte cultures. Duchateau J, et al. **Surv Immunol Res** 1985;4 Suppl 1:116-24

Modulation of immune response in aged humans through different administration modes of thymopentin. Duchateau J, et al. **Surv Immunol Res** 1985;4 Suppl 1:94-101

Thymopoietin to thymopentin: experimental studies. Goldstein G, et al. **Surv Immunol Res** 1985;4 Suppl 1:1-10 (39 ref.)

The effects of bovine prothrombin fragment 1 and fragment 1.2 on prothrombin activation. Govers-Riemslag JW, et al. **Thromb Res** 1985 May 15;38(4):375-88

Effect of a fibrin(ogen)-derived vasoactive peptide on polymorphonuclear leukocyte emigration. Saldeen K, et al. **Thromb Res** 1985 Jan 1;37(1):85-9

Comparative study on the responses of plasma GH to synthetic GH-releasing factor and other stimulatory and inhibitory agents in patients with acromegaly. Hanew K, et al. **Tohoku J Exp Med** 1985 Feb;145(2):161-6

[Parathyroid hormone fragments relax guinea pig trachea in vitro] Yan YJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Sep;5(3):198-201 (Eng. Abstr.) **(Chi)**

[Influence of bovine parathyroid hormone-(1-34) on the contraction of the rat vas deferens and the effect of calcium] Yang W, et al. **Chung Kuo Yao Li Hsueh Pao** 1985 Mar;6(1):51-5 (Eng. Abstr.) **(Chi)**

[Roles of cyclic AMP and calcium in the mechanism of the release of growth hormone by somatocrinin] Mougin C, et al. **C R Acad Sci [III]** 1984;299(4):83-8 (Eng. Abstr.) **(Fre)**

[Influence of calcitonin and ACTH 4-10 on the phenomena of mammary tumor induction by a chemical carcinogen, 7,12-dimethylbenzanthracene] Drouhault R, et al. **C R Soc Biol (Paris)** 1984;178(3):278-85 (Eng. Abstr.) **(Fre)**

[Role of bradykinin in hypotension induced by the active factor derived from factor XII] Waeber B, et al. **Schweiz Med Wochenschr** 1984 Dec 1;114(48):1749-51 (Eng. Abstr.) **(Fre)**

[Bone changes with long term administration of low dose 1-34 human PTH on adult beagles] Inoue J. **Nippon Seikeigeka Gakkai Zasshi** 1985 Apr;59(4):409-27 (Eng. Abstr.) **(Jpn)**

[Action of synthetic hypophyseal neuropeptides on the work of the human visual analyzer] Kolbanov VV, et al. **Fiziol Cheloveka** 1984 May-Jun;10(3):358-63 **(Rus)**

[Effect of bombesin and its N- and C end fragments and their analogs on the secretory function of the pancreas] Fokina AA, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):838-41 **(Rus)**

PHYSIOLOGY

Human pancreatic tumor GH-releasing factor. Thorner MO, et al. **Acta Neurochir (Wien)** 1985;75(1-4):72-80

Physiological studies with somatocrinin, a growth hormone-releasing factor. Wehrenberg WB, et al. **Annu Rev Pharmacol Toxicol** 1985;25:463-83 (98 ref.)

Collagen synthesis regulation by the aminopropeptide of procollagen I in normal and scleroderma fibroblasts. Perlish JS, et al. **Arthritis Rheum** 1985 Jun;28(6):647-51

Antibodies against a 23Kd heparin binding fragment of thrombospondin inhibit platelet aggregation. Gartner TK, et al. **Biochem Biophys Res Commun** 1984 Oct 15; 124(1):290-5

Inhibition of adenylyl cyclase activity in rat corpora luteal tissue by glycopeptides of human chorionic gonadotropin and the alpha-subunit of human chorionic gonadotropin. Calvo FO, et al. **Biochemistry** 1985 Apr 9;24(8):1953-9

The case for pro-gamma-MSH as the adrenal growth factor. Lowry PJ, et al. **Endocr Res** 1984-85;10(3-4):243-58

Collagenolytic cleavage products of collagen type I as chemoattractants for human dermal fibroblasts. Albini A, et al. **Eur J Cell Biol** 1985 Jan;36(1):104-7

Limited proteolysis of complement protein C3b by regulatory enzyme C3b inactivator: isolation and characterization of a biologically active fragment, C3d,g. Seya T, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):373-82

Skeletal muscle myosin subfragment-1 induces bundle formation by actin filaments. Ando T, et al. **J Biol Chem** 1985 Feb 25;260(4):2321-7

Characterization of the opsonic and monocyte adherence functions of the specific fibronectin fragment that enhances phagocytosis of particulate activators. Czop JK, et al. **J Immunol** 1985 Mar;134(3):1844-50

Somatocrinin, the growth hormone releasing factor. Guillemin R, et al. **Recent Prog Horm Res** 1984;40:233-99 (99 ref.)

Anticoagulant properties of purified X-like fragments of human fibrinogen produced by degradation with leukocyte elastase. Sterrenberg L, et al. **Thromb Haemost** 1984 Jul 29;51(3):398-402

NEWARK PUBLIC LIBRAR

SECRETION

Decreased in vitro secretion of LH, FSH, and free alpha-subunits by pituitary cells from old male rats. Blackman MR, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):E145-51

Differential secretion of O-glycosylated gonadotropin alpha-subunit and luteinizing hormone (LH) in the presence of LH-releasing hormone. Corless CL, et al. **Endocrinology** 1985 Oct;117(4):1699-706

Pure alpha-subunit-secreting mouse pituitary tumor: inhibition of growth and secretion by combined treatment with thyroxine and bromocriptine. Kieffer JD, et al. **Endocrinology** 1985 Oct;117(4):1418-23

Pulsatile secretion of immunoreactive alpha-subunit in man. Winters SJ, et al. **J Clin Endocrinol Metab** 1985 Feb; 60(2):344-8

STANDARDS

Standardization of prekallikrein activator (PKA): the 1st International Standard for PKA. Kerry PJ, et al. **Br J Haematol** 1985 Jun;60(2):345-52

THERAPEUTIC USE

Rapid antidepressant activity of destyr gamma endorphin: correlation with urinary melatonin. Chazot G, et al. **Biol Psychiatry** 1985 Sep;20(9):1026-30

Beneficial effect of gamma-endorphin-type peptides in anaphylactic shock. Amir S, et al. **Brain Res** 1985 Mar 11;329(1-2):329-33

Bone marrow transplantation and thymopoietin pentapeptide treatment in two infants with immunodeficiency with predominant T-cell defects. Businco L, et al. **Clin Immunol Immunopathol** 1984 Oct;33(1):123-30

Influence of ACTH 4-10 and unilateral ECT on primary and secondary memory in depressive patients. Frederiksen SO, et al. **Eur Arch Psychiatry Neurol Sci** 1985;234(5):291-4

Preliminary results on clinical and immunological effects of thymopentin in AIDS. Clumeck N, et al. **Int J Clin Pharmacol Res** 1984;4(6):459-63

The effect of thymopentin treatment on the relapse rate in frequently relapsing herpes simplex virus infections. Haneke E, et al. **Int J Clin Pharmacol Res** 1984;4(6):439-43

Glucagon-(1-21)-peptide to prevent biliary colic pain [letter] Jacobson G, et al. **Lancet** 1984 Nov 17;2(8412):1149

Treatment of active rheumatoid arthritis with slow intravenous injections of thymopentin. A double-blind placebo-controlled randomised study. Malaise MG, et al. **Lancet** 1985 Apr 13;1(8433):832-6

The effect of ACTH4-9 analog (Org2766) on some cerebrospinal fluid parameters in patients with Alzheimer's disease. Jolkkonen JT, et al. **Life Sci** 1985 Aug 19; 37(7):585-90

Dynorphin(1-13) improves survival in cats with focal cerebral ischaemia. Baskin DS, et al. **Nature** 1984 Dec 6-12; 312(5994):551-2

Treatment of Alzheimer's disease with a synthetic ACTH 4-9 analog. Soininen H, et al. **Neurology** 1985 Sep; 35(9):1348-51

Early visual information processing in depressive patients treated with ORG 2766 (an ACTH 4-9 analogue). d'Elia G, et al. **Neuropsychobiology** 1985;13(1-2):63-8

Effect of alpha-MSH 11-13 (lysine-proline-valine) on fever in the rabbit. Richards DB, et al. **Peptides (Fayetteville)** 1984 Jul-Aug;5(4):815-7

Chronic infusion of low doses of atrial natriuretic factor (ANF Arg 101-Tyr 126) reduces blood pressure in conscious SHR without apparent changes in sodium excretion. Garcia R, et al. **Proc Soc Exp Biol Med** 1985 Jul;179(3):396-401

Efficacy of ACTH 4-9 analog, methylphenidate, and placebo on attention deficit disorder with hyperkinesis. Butter HJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):661-4

ACTH 1-17 effects in acute myeloid leukemia. Arcese W, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):199-203

ACTH 1-17 effects in the chemotherapy of advanced solid tumors. Barone C, et al. **Ric Clin Lab** 1984 Apr-Jun; 14(2):211-20

ACTH 1-17 effects in oncology. Battelli T, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):205-9

ACTH 1-17 effects in chronic obstructive bronchitis. Costa G, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):189-97

ACTH 1-17 and sexual behavior. Isidori A, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):247-51

ACTH 1-17 effects in multiple sclerosis. Marforio S. **Ric Clin Lab** 1984 Apr-Jun;14(2):253-5

ACTH 1-17 effects in psychogenic impotence. Marrama P, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):233-8

ACTH analogue application to oncostatic chemotherapy. A double blind approach. Piazza E, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):257-9

ACTH 1-17 effects in insulin dependent diabetes mellitus. Prando R, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):181-8

ACTH 1-17 effects in intrinsic bronchial asthma. Todisco T, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):239-46

Thymopentin in experimental and clinical medicine. **Surv Immunol Res** 1985;4 Suppl 1:1-156

Prevention of recurrences in frequently relapsing herpes labialis with thymopentin. A randomized double-blind placebo-controlled multicenter study. Bolla K, et al. **Surv Immunol Res** 1985;4 Suppl 1:37-47

Effect of thymopentin on the mortality and immune response after an experimental herpes simplex infection in mice. Cappel R, et al. **Surv Immunol Res** 1985;4 Suppl 1:48-57

Thymopentin treatment in patients with chemotherapy-resistant lepromatous leprosy. Castells A, et al. **Surv Immunol Res** 1985;4 Suppl 1:63-9

Thymopentin treatment in AIDS and pre-AIDS patients. Clumeck N, et al. **Surv Immunol Res** 1985;4 Suppl 1:58-62

Thymopentin treatment of herpes simplex infections. An open, monitored, multicenter study. DeMaubeuge J, et al. **Surv Immunol Res** 1985;4 Suppl 1:30-6

Thymopentin treatment of selective IgA deficiency. Fiorilli M, et al. **Surv Immunol Res** 1985;4 Suppl 1:129-34

Rationale for thymopentin as therapeutic agent in rheumatoid arthritis. Franchimont P, et al. **Surv Immunol Res** 1985;4 Suppl 1:70-5

Thymopentin in active rheumatoid arthritis. An open, monitored study in 16 patients. Franchimont P, et al. **Surv Immunol Res** 1985;4 Suppl 1:81-6

Confirmative study of the effectiveness of thymopentin in active rheumatoid arthritis. Malaise M, et al. **Surv Immunol Res** 1985;4 Suppl 1:87-93

Thymopentin in chronic Trichophyton rubrum infection. Molin L, et al. **Surv Immunol Res** 1985;4 Suppl 1:135-8

Thymopentin treatment in a patient with pluriorificial pyoderma vegetans. Simon M Jr, et al. **Surv Immunol Res** 1985;4 Suppl 1:125-8

Thymopentin as adjuvant therapy to hepatitis B vaccination in formerly non-or hyporesponding hemodialysis patients. Zàruba K, et al. **Surv Immunol Res** 1985;4 Suppl 1:102-6

[Results of treatment with human growth hormone in childhood] Job JC. **Bull Acad Natl Med (Paris)** 1984 May-Jun;168(5-6):543-7 (Eng. Abstr.) **(Fre)**

[Present status of the regulation of physiological fibrinolysis. Therapeutic prospects of lys-plasminogen] Vandenbroek MD, et al. **Rev Med Interne** 1984 Sep;5(3):251-4 **(Fre)**

[Intra-arterial thrombolysis with the combination of urokinase and lysyl-plasminogen. 27 cases of acute arterial obliteration of the lower limbs] Vitoux JF, et al. **Rev Med Interne** 1984 Sep;5(3):255-61 (Eng. Abstr.) **(Fre)**

[Experimental and clinical studies on oral urokinase and lysyl-plasminogen. Thrombolytic therapy for cerebral thrombosis] Naito I. **Rinsho Ketsueki** 1984 Jul; 25(7):1027-35 (Eng. Abstr.) **(Jpn)**

URINE

Purification and characterization of epidermal growth factor (beta-urogastrone) and epidermal growth factor fragments from large volumes of human urine. Mount CD, et al. **Arch Biochem Biophys** 1985 Jul;240(1):33-42

Quantitation of prothrombin activation products in human urine. Bezeaud A, et al. **Br J Haematol** 1984 Dec; 58(4):597-606

Fragmentation and polymeric complexes of albumin in human urine. Wiggins RC, et al. **Clin Chim Acta** 1985 Jul 15;149(2-3):155-63

Early detection of pregnancy by new beta-hCG monoclonal urine test. Spona J, et al. **Gynecol Obstet Invest** 1985; 19(1):6-10

Urinary molecular forms of human N-terminal of proopiomelanocortin: possible deglycosylation and degradation by the kidney. Gaspar L, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):614-21

Polypeptide fragments of the third component of complement in urine of hereditary nephritis patients. Chiu FJ, et al. **J Immunol** 1985 Jun;134(6):4057-61

PEPTIDE HYDROLASE INHIBITORS see **PROTEASE INHIBITORS**

PEPTIDE HYDROLASES

The synthesis and function of proteases in Saccharomyces: genetic approaches. Jones EW. **Annu Rev Genet** 1984; 18:233-70 (250 ref.)

Red cell membrane proteins in insulin-dependent diabetes: differential effects of treatment with calcium and various proteases. Jones GL. **Biochem Med** 1984 Dec;32(3):398-403

Structural studies of chromatin by using proteases. Crane-Robinson C, et al. **Biochem Soc Trans** 1985 Apr; 13(2):303-6

Compositional analysis of proteins following hydrolysis by immobilized proteases. Church FC, et al. **J Appl Biochem** 1984 Aug;6(4):205-11

Fine specificity, structure, and proteolytic susceptibility of the human lymphocyte receptor for IgE. Peterson LH, et al. **J Immunol** 1985 Oct;135(4):2654-60

An enzyme-probe study of motile domains in the subfragment-2 region of myosin. Ueno H, et al. **J Mol Biol** 1984 Dec 15;180(3):667-701

[Kinetic study of the batroxobin-catalyzed release of fibrinopeptide A from human fibrinogen] Watanabe S, et al. **Yakugaku Zasshi** 1985 Apr;105(4):395-400 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Immobilized enzymes in surgical practice] Chepcheruk GS, et al. **Vestn Khir** 1985 Mar;134(3):126-30 **(Rus)**

ADVERSE EFFECTS

Enzyme asthma: fourteen years' clinical experience of a recently prescribed disease. Juniper CP, et al. **J Soc Occup Med** 1984 Nov;34(4):127-32

[Proteolytic enzymes: potential allergens for the skin and respiratory tract?] Wüthrich B. **Hautarzt** 1985 Mar; 36(3):123-5 (27 ref.) (Eng. Abstr.) **(Ger)**

ANALYSIS

An o-phthalaldehyde spectrophotometric assay for proteinases. Church FC, et al. **Anal Biochem** 1985 May 1;146(2):343-8

Detection of proteases by clotting of casein after gel electrophoresis. Foltmann B, et al. **Anal Biochem** 1985 May 1;146(2):353-60

Fluorescein isothiocyanate-labeled casein assay for proteolytic enzymes. Twining SS. **Anal Biochem** 1984 Nov 15;143(1):30-4

Proteolytic activity of rabbit incisor dentine. Smith AJ, et al. **Arch Oral Biol** 1984;29(12):1049-50

Are there neuropeptide-specific peptidases? Turner AJ, et al. **Biochem Pharmacol** 1985 May 1;34(9):1347-56 (104 ref.)

Proteolytic activity and calcium concentration in muscle wasting conditions. Garbin L, et al. **Boll Soc Ital Biol Sper** 1984 Aug 31;60(8):1551-65

Chemical modification of tryptophan and histidine residues in semi-alkaline proteinase from Aspergillus melleus. Kobayashi S, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug; 32(8):3111-7

Studies on the quality of commercially available semi-alkaline proteinase preparations using high-performance liquid chromatography. Sasaki M, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):746-52

Reduction of proteolytic breakdown in microbial homogenates. Hedman P, et al. **Dev Biol Stand** 1985;59:31-9

Immunological localization and quantitation of the androgen-dependent secretory protease of the canine prostate. Isaacs WB, et al. **Endocrinology** 1985 Oct; 117(4):1512-20

Proteases and antiproteases: new trends in cytochemical research. Gossrau R. **Histochem J** 1985 May;17(5):522-6

Investigation of proteases with chromogenic substrates after isoelectric focusing (IEF). Sinha P, et al. **Histochemistry** 1984;81(2):161-5

Isoelectric focusing (IEF) and band detection with fluorogenic protease substrates. Sinha P, et al. **Histochemistry** 1984;81(2):167-9

Localization of tryptase to human cutaneous mast cells and keratinocytes by immunofluorescence and immunoperoxidase cytochemistry with monoclonal antitryptase antibody. Schwartz LB, et al. **J Allergy Clin Immunol** 1985 Aug;76(2 Pt 1):182-8

Ion-exchange chromatographic assay of peptidases acting on the C-terminal hexapeptide sequence of substance P. Laufer R, et al. **J Chromatogr** 1984 Oct 5;301(2):415-24

A rapid method for the detection and quantitation of IgA protease activity by macrobore gel-permeation chromatography. Mortensen SB, et al. **J Chromatogr** 1984 Jul 27;296:257-62

Identification of protease isozymes after analytical isoelectric focusing using fluorogenic substrates impregnated into cellulose membranes. Smith RE. **J Histochem Cytochem** 1984 Dec;32(12):1265-74

Monoclonal antibodies against human mast cell tryptase demonstrate shared antigenic sites on subunits of tryptase and selective localization of the enzyme to mast cells. Schwartz LB. **J Immunol** 1985 Jan;134(1):526-31

Effect of proteases on the beta-thromboglobulin radioimmunoassay. Donlon JA, et al. **Life Sci** 1985 Feb 11;36(6):525-31

Enzymatic tracer damage during the gonadotropin releasing hormone radioimmunoassay: analytical and immunological assessment. O'Conner JL, et al. **Life Sci** 1985 Sep 23, 37(12):1155-65

The effect of egg aging on the proteolytic activity and thermostability of egg-white protein (short communication). Niewiarowicz A, et al. **Nahrung** 1985; 29(3):309-12

Proteolytic activity in brains of rabbits treated with aluminum. Benuck M, et al. **Neurochem Res** 1985 Jun; 10(6):729-36

Fractionation of red diamond rattlesnake (Crotalus ruber ruber) venom: protease, phosphodiesterase, L-amino acid oxidase activities and effects of metal ions and inhibitors on protease activity. Mackessy SP. **Toxicon** 1985; 23(2):337-40

Chromogenic proteinase substrates as possible tools in the characterization of Crotalidae and Viperidae snake venoms. Meier J, et al. **Toxicon** 1985;23(3):393-7

Protease activity and lethal toxicity of venoms from some little known rattlesnakes. Minton SA, et al. **Toxicon** 1984; 22(5):828-30

[Antithrombin III and alpha 2-plasmin inhibitor in DIC--the significance of their levels and existence of complexes as diagnostic indicators] Tsuda T, et al. **Rinsho Ketsueki** 1985 Mar;26(3):332-40 (Eng. Abstr.) **(Jpn)**

[Isolation and characteristics of IgA1 and its use for detecting bacterial IgA1 proteases] Amelina IP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Dec;(12):101-4 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of Clostridium botulinum 52A toxicity and protease activity by sodium acid pyrophosphate in media systems. Wagner MK, et al. **Appl Environ Microbiol** 1985 Jul;50(1):16–20

Mechanistic implications of the inhibition of peptidases by amino aldehydes and bestatin. Frick L, et al. **Biochim Biophys Acta** 1985 Jul 1;829(3):311–8

Effect of the protease inhibitor aprotinin on renal hemodynamics in the pig. Maier M, et al. **Hypertension** 1985 Jan–Feb;7(1):32–8

Inhibition by chelating agents of the formation of active extracellular proteinase by Pseudomonas fluorescens 32A. McKellar RC, et al. **J Dairy Res** 1985 Feb;52(1):91–100

Studies of the low-molecular-weight keratinase inhibitor of human epidermis. Takiuchi I, et al. **J Dermatol (Tokyo)** 1984 Apr;11(2):155–9

Heat inactivation of exogenous proteinases from Pseudomonas fluorescens. I. Possibility of inactivation in milk. Kroll S, et al. **Z Lebensm Unters Forsch** 1984 Oct; 179(4):288–95

BIOSYNTHESIS

Extracellular virulence factors of fish Vibrio: relationships between toxic material, hemolysin, and proteolytic enzyme. Kodama H, et al. **Am J Vet Res** 1984 Oct;45(10):2203–7

Maternal effect and embryonic gene expression for lactate dehydrogenase B (LDH-B), glucose-6-phosphate dehydrogenase (G6PDH), and peptidase (PEP-1) during the development of Pleurodeles waltl (urodele amphibian). Gasser F, et al. **Biochem Genet** 1984 Dec;22(11–12):1177–84

Repression of the synthesis of exocellular and intracellular proteinases in Bacillus megaterium. Moravcová J, et al. **Folia Microbiol (Praha)** 1984;29(4):273–81

Translational readthrough of an amber termination codon during synthesis of feline leukemia virus protease. Yoshinaka Y, et al. **J Virol** 1985 Sep;55(3):870–3

[Interrelation between the activity of the lytic enzyme producer Actinomyces recifensis var. lyticus 2435 and its population variability] Babenko IuS, et al. **Antibiotiki** 1984 Jul;29(7):490–5 (Eng. Abstr.) **(Rus)**

[Streptomyces spheroides M8-2 strain––a producer of extracellular proteolytic enzymes possessing fibrinolytic and thrombolytic action] Egorov NS, et al. **Biol Nauki** 1985;(1):77–81 (Eng. Abstr.) **(Rus)**

[Selection of the medium for the simultaneous synthesis of an antibiotic, protease and pigment by a Nocardia fructiferi culture] Toropova EG, et al. **Biol Nauki** 1984;(10):96–101 (Eng. Abstr.) **(Rus)**

[Natural variability of Streptomyces spheroides––a producer of extracellular proteolytic enzymes possessing fibrinolytic action] Prianishnikova NI, et al. **Mikrobiologiia** 1984 Sep–Oct;53(5):768–71 (Eng. Abstr.) **(Rus)**

[Protease and alpha-amylase synthesis by washed cells of Aspergillus oryzae 251-90] Ustiuzhanina SV, et al. **Prikl Biokhim Mikrobiol** 1985 Jan–Feb;21(1):67–71 (Eng. Abstr.) **(Rus)**

BLOOD

A novel proteolytic activity in serum processes rat prohaptoglobin. Hanley JM, et al. **Arch Biochem Biophys** 1985 Jun;239(2):404–19

Proteolysis-associated deglycosylation of beta 1-adrenergic receptor in turkey erythrocytes and membranes. Jürss R, et al. **Biochemistry** 1985 Jun 18;24(13):3349–54

Studies of four Japanese families with hereditary angioneurotic edema: simultaneous activation of plasma protease systems and exogenous triggering stimuli. Kodama J, et al. **Blut** 1984 Nov;49(5):405–18

Evidence that treatment of platelets with phorbol ester causes proteolytic activation of Ca2+-activated, phospholipid-dependent protein kinase. Tapley PM, et al. **Eur J Biochem** 1985 Sep 2;151(2):419–23

The presence in blood of both glycosaminoglycan and mucosal mast cell protease following systemic anaphylaxis in the rat. King SJ, et al. **Int Arch Allergy Appl Immunol** 1985;76(3):286–8

Factors controlling the release from human blood polymorphonuclear cells in vitro of a proteolytic activity directed against apolipoprotein A-II. Polacek D, et al. **J Biol Chem** 1984 Dec 10;259(23):14531–6

A particle-associated ATP-dependent proteolytic activity in erythroleukemia cells. Rieder RF, et al. **J Biol Chem** 1985 Feb 25;260(4):2015–8

Characterization of proteases in AHF concentrates: effect on factor VIII:von Willebrand protein as assessed by high-pressure gel permeation chromatography. Orthner CL. **J Lab Clin Med** 1984 Nov;104(5):816–28

Proteolytic events affecting plasma apolipoproteins at the co- and post-translational levels and after maturation. Scanu AM, et al. **J Lipid Res** 1984 Dec 15;25(13):1593–602 (73 ref.)

A new serum proteolytic enzyme in aneurysm pathogenesis. Brown SL, et al. **J Vasc Surg** 1985 May;2(3):393–9

[Proteolytic changes in plasma fibrinogen from ovarian venous blood in patients with cervix cancer] Lober R, et al. **Folia Haematol (Leipz)** 1985;112(1):82–9 (Eng. Abstr.) **(Ger)**

[Proteolytic enzymes hydrolyzing opioid peptides in the cytoplasm of human erythrocytes] Alekseenko LP, et al. **Dokl Akad Nauk SSSR** 1984;277(4):992–5 **(Rus)**

[Changes in the activity of proteolytic enzymes, aldolase and aminotransferases in young children with acute pneumonia in a hot climate] Mamatkulov KhM, et al. **Pediatriia** 1985 Mar;(3):58–9 **(Rus)**

[Activity of proteolytic enzymes, their inhibitors and amylase of the blood in toxicoses in young infants] Zernov NG, et al. **Pediatriia** 1985 Apr;(4):21–2 (Eng. Abstr.) **(Rus)**

[Protease activity and the level of antibodies to connective tissue elements in various lung diseases] Vinnik LA, et al. **Ter Arkh** 1985;57(3):83–5 (Eng. Abstr.) **(Rus)**

[Effect of terrilitin on the proteolytic activity of the blood and formation of an immunostimulating factor by spleen cells] Prokopenko LG, et al. **Ukr Biokhim Zh** 1985 May–Jun;57(3):40–4 (Eng. Abstr.) **(Rus)**

[Total proteolytic activity of the blood and its inhibitors in patients following heart operations] Prokhodtsev II, et al. **Vestn Khir** 1984 Oct;133(10):18–22 (Eng. Abstr.) **(Rus)**

[Condition of the proteolytic systems of the body in hemorrhagic vasculitis and thrombocytopenia] Donskaia SB, et al. **Vrach Delo** 1984 Dec;(12):10–2 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Loss of virulence in a protease-deficient mutant of Aeromonas salmonicida. Sakai DK. **Infect Immun** 1985 Apr;48(1):146–52

GENETICS

Identification of a potential protease-coding gene in the genomes of bovine leukemia and human T-cell leukemia viruses. Sagata N, et al. **FEBS Lett** 1984 Dec 3;178(1):79–82

A modified protoplast-regeneration protocol facilitating the detection of cloned exoenzyme genes in Bacillus subtilis. Corfield VA, et al. **Gene** 1984 Oct;30(1–3):17–22

Location of the genes that control induction of the allantoin-degrading enzymes in Saccharomyces cerevisiae. Turoscy V, et al. **Genetics** 1984 Dec;108(4):827–31

Physical and genetic analysis of DNA regions encoding the immunoglobulin A proteases of different specificities produced by Haemophilus influenzae. Bricker J, et al. **Infect Immun** 1985 Feb;47(2):370–4

Plaque color method for rapid isolation of novel recA mutants of Escherichia coli K-12: new classes of protease-constitutive recA mutants. Tessman ES, et al. **J Bacteriol** 1985 Aug;163(2):677–87

Isolation of protease-proficient, recombinase-deficient recA mutants of Escherichia coli K-12. Tessman ES, et al. **J Bacteriol** 1985 Aug;163(2):688–95

Evolutionary origin of a calcium-dependent protease by fusion of genes for a thiol protease and a calcium-binding protein? Ohno S, et al. **Nature** 1984 Dec 6–12; 312(5994):566–70

Complete nucleotide sequence of an infectious clone of human T-cell leukemia virus type II: an open reading frame for the protease gene. Shimotohno K, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3101–5

Murine leukemia virus protease is encoded by the gag-pol gene and is synthesized through suppression of an amber termination codon. Yoshinaka Y, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(6):1618–22

Biochemistry and structure of picornavirus proteases. Ivanoff LA, et al. **Prog Clin Biol Res** 1985;180:255–6

Murine leukemia virus maturation: protease region required for conversion from 'immature' to 'mature' core form and for virus infectivity. Katoh I, et al. **Virology** 1985 Sep; 145(2):280–92

ISOLATION & PURIFICATION

Extracellular proteinases of the isolate of Botrytis cinerea virulent to apple tissues. Urbanek H, et al. **Acta Biochim Pol** 1985;32(2):101–9

Proteolytic events in the post-translational processing of somatostatin precursors from rat brain cortex and anglerfish pancreatic islets. Cohen P, et al. **Adv Exp Med Biol** 1985; 188:109–21

Purification and characterization of keratin hydrolase in psoriatic epidermis: application of keratin-agarose plate and keratin-polyacrylamide enzymography methods. Hibino T. **Anal Biochem** 1985 Jun;147(2):342–52

Effects of short-term cold storage on recovery of proteases from extracellular products of Aeromonas hydrophila. Amborski RL, et al. **Appl Environ Microbiol** 1984 Aug; 48(2):456–8

Partial purification and characterization of an ovarian tripeptidyl peptidase: a lysosomal exopeptidase that sequentially releases collagen-related (Gly-Pro-X) triplets. McDonald JK, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):63–71

Purification and characterization of a human kidney neutral endopeptidase that hydrolyzes succinyl trialanine-4-nitroanilide and biologically active peptides. Aoyagi K, et al. **Biochim Biophys Acta** 1985 Jun 18; 840(2):211–8

Chromatography of proteases on agar column. Safařík I. **Biomed Biochim Acta** 1984;43(7):1041–3

Autolysis of semi-alkaline proteinase from Aspergillus melleus. Kobayashi S, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):3105–10

Characterization of a kininogenase from rat vascular tissue resembling tissue kallikrein. Nolly H, et al. **Circ Res** 1985 Jun;56(6):816–21

Membrane proteinases from normal and neoplastic tissues in man and the rat. Fraser JD, et al. **Comp Biochem Physiol [B]** 1984;79(1):105–11

Soluble exopeptidases of bovine and human lens: characterization by electrophoresis. Lafferty MA, et al. **Curr Eye Res** 1984 Aug;3(8):1017–31

Characterization of an extracellular matrix-degrading protease derived from a highly metastatic tumor cell line. Kramer MD, et al. **Eur J Cancer Clin Oncol** 1985 Mar; 21(3):307–16

Bacterial immunoglobulin A proteases monitored by continuous spectrophotometry. Bleeg HS, et al. **FEBS Lett** 1985 Sep 2;188(2):357–62

Human intestinal brush border peptidases. Tobey N, et al. **Gastroenterology** 1985 Apr;88(4):913–26

Chromatin associated protease from calf thymus. Dyson M, et al. **Int J Pept Protein Res** 1984 Sep;24(3):201–7

Purification and characterization of membrane-bound alkaline proteases from midgut tissue of the silkworm, Bombyx mori. Eguchi M, et al. **J Biochem (Tokyo)** 1985 May;97(5):1437–45

Serratia protease. Amino acid sequences of both termini, the 53 residues in the middle region containing the sole methionine residue, and a probable zinc-binding region. Lee IS, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1409–18

Isolation and characterization of a proteolytic enzyme from the adult hookworm Ancylostoma caninum. Hotez PJ, et al. **J Biol Chem** 1985 Jun 25;260(12):7343–8

Purification and properties of a prothrombin activator from the venom of Notechis scutatus scutatus. Tans G, et al. **J Biol Chem** 1985 Aug 5;260(16):9366–72

Purification of an acid protease and a serine carboxypeptidase from Aspergillus niger using metal-chelate affinity chromatography. Krishnan S, et al. **J Chromatogr** 1985 Jul 5;329(1):165–70

Purification and characterization of proteolytic enzymes of Leishmania mexicana mexicana amastigotes and promastigotes. Pupkis MF, et al. **J Gen Microbiol** 1984 Sep; 130 (Pt 9):2375–83

Isolation and characterization of four proteases from porcine pituitary neurointermediate lobes: relationship to the maturation enzyme of prohormones. Cromlish JA, et al. **Neuropeptides** 1985 Feb;5(4–6):493–6

A high-molecular weight peptide hydrolase from rat skeletal muscle. Edmunds T, et al. **Prog Clin Biol Res** 1985; 180:235–7

[Acylamino acid-releasing enzyme] Tsunasawa S, et al. **Tanpakushitsu Kakusan Koso** 1985 Jun;30(6):496–501 **(Jpn)**

[Use of a column chromatographic method for obtaining a thrombolytic preparation from the culture broth of the fungus Trichothecium roseum] Gavrilov OK, et al. **Gematol Transfuziol** 1985 Jan;30(1):56–8 **(Rus)**

[Production and properties of an immobilized enzyme preparation with peptidase activity] Deniakina EK, et al. **Prikl Biokhim Mikrobiol** 1985 Mar–Apr;21(2):177–83 (Eng. Abstr.) **(Rus)**

[A method of isolation of partially purified alkaline peptide hydrolase from Drosophila melanogaster larvae] Andrievskiĭ AM. **Ukr Biokhim Zh** 1985 Jul–Aug;57(4):54–9 (Eng. Abstr.) **(Rus)**

[Features of an extracellular enzyme extract of Streptomyces species grown on Czapek starch medium] Cabello Velasco A, et al. **Rev Latinoam Microbiol** 1984 Jul–Sep;26(3):231–7 (Eng. Abstr.) **(Spa)**

METABOLISM

Detection of proteases of Pseudomonas aeruginosa in immune complexes isolated from sputum of cystic fibrosis patients. Döring G, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Oct; 92(5):307–12

Is protease activity involved in fast axonal transport? Edström A, et al. **Acta Physiol Scand** 1984 Aug; 121(4):379–84

Substrate and inhibitor specificity of a transient, soluble proteolytic activity from sheep rumen. Baintner K, et al. **Acta Vet Hung** 1984;32(1–2):87–90

Neutral protease, collagenase and elastase activities in synovial fluids from arthritic patients. Al-Haik N, et al. **Agents Actions** 1984 Oct;15(3–4):436–42

Transport and proteolytic processing of rabbit cardiac cathepsin D. Samarel AM, et al. **Am J Physiol** 1985 Jan; 248(1 Pt 1):C135–44

Biochemical and pathologic evidence for proteolytic destruction of lung connective tissue in cystic fibrosis. Bruce MC, et al. **Am Rev Respir Dis** 1985 Sep;132(3):529–35

Pulmonary emphysema and proteolysis. An encore [editorial] Mittman C, et al. **Am Rev Respir Dis** 1985 Aug;132(2):205

A convenient protein substrate for the determination of protease specificity: reduced and S-3-(trimethylated amino)propylated lysozyme. Okazaki K, et al. **Anal Biochem** 1985 Feb 15;145(1):87–90

Selective inhibition of the accumulation of extracellular proteases of Pseudomonas aeruginosa by gentamicin and tobramycin. Warren RL, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):468–72

Chymotrypsin- and trypsin-type serine proteases in rat mast cells: properties and functions. Kido H, et al. **Arch Biochem Biophys** 1985 Jun;239(2):436–43

Developmental changes of trypsin-like protease activity in the submandibular glands of male and female young growing rats. Ikeno K, et al. **Arch Oral Biol** 1984; 29(9):669–74

The proteolytic activity of human prostate-specific antigen. Ban Y, et al. **Biochem Biophys Res Commun** 1984 Sep 17; 123(2):482–8

Involvement of protease in L-glutamine control of nucleic acid and polyphosphate metabolism in cells transformed by 9,10-dimethyl-1,2-benzanthracene, SV40 and H-ras oncogene. Deffie AM, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):6–13

A method for the measurement and characterization of protease activities responsible for extracellular or intracellular degradation of collagen precursors. Farjanel J, et al. **Biochem Biophys Res Commun** 1984 Sep 28; 123(3):1002–11

Regulation of proteolytic enzyme activities and mRNA concentrations in rat pancreas by food content. Giorgi D, et al. **Biochem Biophys Res Commun** 1985 Mar 29; 127(3):937–42

The effect of tryptase from human mast cells on human prekallikrein. Schwartz LB, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):76–81

Mechanism of postmortem autolysis of skeletal muscle. Takeichi S, et al. **Biochem Med** 1984 Dec;32(3):341–8

Proteolytic and other metabolic pathways in lysosomes. Barrett AJ. **Biochem Soc Trans** 1984 Dec;12(6):899–902

Regulation of proteinase activity in Aspergillus nidulans. Stevens L. **Biochem Soc Trans** 1985 Apr;13(2):283–5

Changes of the proteinase binding properties and conformation of bovine alpha 2-macroglobulin on cleavage of the thio ester bonds by methylamine. Björk I, et al. **Biochemistry** 1985 May 21;24(11):2653–60

Involvement of prolines-114 and -117 in the slow refolding phase of ribonuclease A as determined by isomer-specific proteolysis. Lin LN, et al. **Biochemistry** 1984 Nov 20; 23(24):5713–23

Mammalian chymotrypsin-like enzymes. Comparative reactivities of rat mast cell proteases, human and dog skin chymases, and human cathepsin G with peptide 4-nitroanilide substrates and with peptide chloromethyl ketone and sulfonyl fluoride inhibitors. Powers JC, et al. **Biochemistry** 1985 Apr 9;24(8):2048–58

Proteolytic activity of largomycin. Zaheer A, et al. **Biochim Biophys Acta** 1985 Sep 6;841(3):261–6

pH and protease control of acrosomal content stasis and release during the guinea pig sperm acrosome reaction. Huang TT Jr, et al. **Biol Reprod** 1985 Mar;32(2):451–62

The role of peptidases in cancer of the rectum and sigmoid colon. Durdey P, et al. **Br J Surg** 1985 May;72(5):378–81

Brain peptidases: their possible neuronal and glial localization. Koshiya K, et al. **Brain Res** 1984 Dec 24; 324(2):261–70

Screening for neuropeptide-metabolizing peptidases during the differentiation of chick embryo retina. Martins AR, et al. **Brain Res** 1985 Jul;353(1):147–51

Proteases in human tumors. Burtin P, et al. **Bull Cancer (Paris)** 1984;71(5):474–80

The role of calcium on semi-alkaline proteinase from Aspergillus melleus. Kobayashi S, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):697–703

Serum collagenase-like peptidase activity in rheumatoid arthritis and systemic lupus erythematosus. Iwase-Okada K, et al. **Clin Chim Acta** 1985 Feb 28;146(1):75–9

Metabolism in marine flatfish. II. Protein digestion in Dover sole (Solea solea L.). Clark J, et al. **Comp Biochem Physiol [B]** 1985;81(1):217–22

Acid proteolytic activities in mouse liver and muscle tissues after treatment with protease inhibitor leupeptin. Salminen A, et al. **Comp Biochem Physiol [C]** 1984;79(1):93–5

Neural microtubular and lysosomal phenyl valerate esterases and proteases in relation to organophosphate-induced delayed neurotoxicity. Seifert J, et al. **Comp Biochem Physiol [C]** 1984;78(2):271–6

Uremic pneumonitis. Evidence for participation of proteolytic enzymes. Heidland A, et al. **Contrib Nephrol** 1984;41:352–66

Modification of plant proteins by immobilized proteases. Lee JW, et al. **CRC Crit Rev Food Sci Nutr** 1984;21(4):289–322 (312 ref.)

Proteases in human lenses and their possible significance. Swanson AA, et al. **Curr Eye Res** 1985 Jan;4(1):43–8

Proteinases and psoriasis. Fraki JE. **Cutis** 1985 Jul;36(1):32

Degradation of insulin-like growth factors I and II by a human insulin degrading enzyme. Roth RA, et al. **Endocr Res** 1984;10(2):101–12

Analysis of hormone- and polynucleotide/histone-binding sites of the chicken intestinal 1,25-dihydroxyvitamin D3 receptor by means of proteolysis. Mellon WS. **Endocrinology** 1985 Apr;116(4):1408–17

Effect of single amino acid substitutions on the protease susceptibility of tryptophan synthase alpha subunit. Ogasahara K, et al. **Eur J Biochem** 1985 Jul 1;150(1):17–21

Role of carbohydrates within variant surface glycoprotein of Trypanosoma congolense. Protection against proteolytic attack. Reinwald E. **Eur J Biochem** 1985 Sep 2; 151(2):385–91

Processing peptidase of Neurospora mitochondria. Two-step cleavage of imported ATPase subunit 9. Schmidt B, et al. **Eur J Biochem** 1984 Nov 2;144(3):581–8

The effect of calcium antagonists on the proteolytic degradation of low-density lipoprotein in HeLa cells. Akiyama S, et al. **Exp Cell Res** 1985 May;158(1):192–204

Trichomonas vaginalis, Tritrichomonas foetus, and Trichomitus batrachorum: comparative proteolytic activity. Lockwood BC, et al. **Exp Parasitol** 1984 Dec; 58(3):245–53

Schistosoma mansoni: degradation of host extracellular matrix by eggs and miracidia. Pino-Heiss S, et al. **Exp Parasitol** 1985 Apr;59(2):217–21

Direct observation of enzyme substrate complexes by stopped-flow fluorescence: mathematical analyses. Lobb RR, et al. **Experientia** 1984 Nov 15;40(11):1197–206

Study of the peptidasic site of cholinesterase: preliminary results. Chatonnet A, et al. **FEBS Lett** 1985 Mar 25; 182(2):493–8

Protease-activated kinase II as the mediator of epidermal growth factor-stimulated phosphorylation of ribosomal protein S6. Perisic O, et al. **FEBS Lett** 1985 Apr 22; 183(2):215–8

Maturation of rabbit reticulocytes: susceptibility of mitochondria to ATP-dependent proteolysis is determined by the maturational state of reticulocyte. Rapoport S, et al. **FEBS Lett** 1985 Apr 22;183(2):370–4

Implication of proteases in the respiration dependent inactivation of the lactose permease of E. coli. Therisod H, et al. **FEBS Lett** 1985 Jul 22;187(1):38–42

Degradation of peptides and proteins of different sizes by homogenates of human MRC5 lung fibroblasts. Aged cells have a decreased ability to degrade shortened proteins. Wharton SA, et al. **FEBS Lett** 1985 May 20;184(2):249–53

Incidence of peptidases in adrenal medulla. Kraus R, et al. **Folia Morphol (Praha)** 1984;32(4):395–7

Protease activity in fibromyoma and normal human myometrium. Milwidsky A, et al. **Gynecol Obstet Invest** 1984;18(5):230–3

Cytochemistry of bacterial proteases using 4-methoxy-2-naphthylamide peptides. Gossrau R, et al. **Histochem J** 1985 May;17(5):532–4

Cytochemistry of proteases in the mature rat and marmoset placenta. Graf R, et al. **Histochem J** 1985 May;17(5):567–71

Ontogenetic development of membrane-bound proteases and some other enzymes in the endothelial lining of the capillary bed of rat and chicken myocardium. Lojda Z, et al. **Histochem J** 1985 May;17(5):555–7

Lack of evidence for activation of a serum factor in protease-induced differentiation of mouse erythroleukemia cells. Scher BM, et al. **In Vitro Cell Dev Biol** 1985 May; 21(5):260–5

Effect of proteolytic cleavage of surface-exposed proteins on infectivity of Chlamydia trachomatis. Hackstadt T, et al. **Infect Immun** 1985 May;48(2):546–51

Calcium-activated proteolysis in the lens nucleus during selenite cataractogenesis. David LL, et al. **Invest Ophthalmol Vis Sci** 1984 Nov;25(11):1275–83

Proteases in the Emory mouse cataract. Swanson AA, et al. **Invest Ophthalmol Vis Sci** 1985 Jul;26(7):1035–7

Exclusive occurrence of an extracellular protease capable of cleaving the hinge region of human immunoglobulin A1 in strains of Ureaplasma urealyticum. Kilian M, et al. **Isr J Med Sci** 1984 Oct;20(10):938–41

Comparative peptide specificity of cell wall, membrane and intracellular peptidases of group N streptococci. Kolstad J, et al. **J Appl Bacteriol** 1985 May;58(5):449–55

Single, chemically defined sporulation medium for Bacillus subtilis: growth, sporulation, and extracellular protease production. Hageman JH, et al. **J Bacteriol** 1984 Oct; 160(1):438–41

Bacillus subtilis gene involved in cell division, sporulation, and exoenzyme secretion. Sadaie Y, et al. **J Bacteriol** 1985 Aug;163(2):648–53

Cell-bound and secreted proteases of Serratia marcescens. Schmitz G, et al. **J Bacteriol** 1985 Mar;161(3):1002–9

Effect of prostaglandin E2 on PZ-peptidase and several other peptidase activities in a clonal osteoblast-like cell line derived from newborn mouse calvaria. Chikuma T, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1533–9

Pathogenesis of serratial infection: activation of the Hageman factor-prekallikrein cascade by serratial protease. Matsumoto K, et al. **J Biochem (Tokyo)** 1984 Sep; 96(3):739–49

Proteolysis in eukaryotic cells. Identification of multiple proteolytic enzymes in yeast. Achstetter T, et al. **J Biol Chem** 1984 Nov 10;259(21):13334–43

The inactivation of ubiquitin accounts for the inability to demonstrate ATP, ubiquitin-dependent proteolysis in liver extracts. Haas AL, et al. **J Biol Chem** 1985 Apr 25; 260(8):4694–703

Proteolytic susceptibility of both isolated and bound light chains from various myosins to myopathic hamster protease. Margossian SS, et al. **J Biol Chem** 1984 Nov 10; 259(21):13534–40

Proteolytic substructure of brain myosin. Matsumura S, et al. **J Biol Chem** 1985 Feb 10;260(3):1959–66

Phospholipid protection against proteolysis of D-beta-hydroxybutyrate dehydrogenase, a lecithin-requiring enzyme. Maurer A, et al. **J Biol Chem** 1985 Feb 10;260(3):1661–9

Cell surface proteoglycan of mammary epithelial cells. Protease releases a heparan sulfate-rich ectodomain from a putative membrane-anchored domain. Rapraeger A, et al. **J Biol Chem** 1985 Apr 10;260(7):4103–9

Preferential degradation of the oxidatively modified form of glutamine synthetase by intracellular mammalian proteases. Rivett AJ. **J Biol Chem** 1985 Jan 10;260(1):300–5

Covalent linkage of 125I-insulin to a cytosolic insulin-degrading enzyme. Shii K, et al. **J Biol Chem** 1985 Jun 10;260(11):6503–6

ATP-dependent protease in bovine adrenal cortex. Tissue specificity, subcellular localization, and partial characterization. Watabe S, et al. **J Biol Chem** 1985 May 10;260(9):5511–7

Expression and intracellular transport of microvillus membrane *hydrolases in human intestinal epithelial* cells. Hauri HP, et al. **J Cell Biol** 1985 Sep;101(3):838–51

Carbohydrate moiety of von Willebrand factor is not necessary for maintaining multimeric structure and ristocetin cofactor activity but protects from proteolytic degradation. Federici AB, et al. **J Clin Invest** 1984 Dec; 74(6):2049–55

Proteolysis in milk: the significance of proteinases originating from milk leucocytes and a comparison of the action of leucocyte, bacterial and natural milk proteinases on casein. Grieve PA, et al. **J Dairy Res** 1985 Feb;52(1):101–12

Limited and specific proteolysis of the zona pellucida by acrosin. Urch UA, et al. **J Exp Zool** 1985 Mar; 233(3):479–83

In vitro cleavage of Pr65gag by the Moloney murine leukaemia virus proteolytic activity yields p30 whose NH2-terminal sequence is identical to virion p30. Yoshinaka Y, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):379–83

Differential effects of protease digestion on photoreceptor lectin binding sites. Wood JG, et al. **J Histochem Cytochem** 1985 Jul;33(7):642–6

A novel IgA protease from Clostridium sp. capable of cleaving IgA1 and IgA2 A2m(1) but not IgA2 A2m(2) allotype paraproteins. Fujiyama Y, et al. **J Immunol** 1985 Jan;134(1):573–6

The fibrinogenolytic activity of purified tryptase from human lung mast cells. Schwartz LB, et al. **J Immunol** 1985 Oct; 135(4):2762–7

A novel peptide delivery system involving peptidase activated prodrugs as antimicrobial agents. Synthesis and biological activity of peptidyl derivatives of 5-fluorouracil. Kingsbury WD, et al. **J Med Chem** 1984 Nov; 27(11):1447–51

A new direct fluorescent method for protease histochemistry, using amino-styryl-quinoline as leaving group. Garrett JR, et al. **J Microsc** 1984 Oct;136 (Pt 1):RP1–2

Inactivation of neurotensin by rat brain synaptic membranes. Cleavage at the Pro10-Tyr11 bond by endopeptidase 24.11 (enkephalinase) and a peptidase different from proline-endopeptidase. Checler F, et al. **J Neurochem** 1984 Nov;43(5):1295–301

'Specific' binding of [3H]imipramine to protease-sensitive and protease-resistant sites. Marcusson J, et al. **J Neurochem** 1985 Mar;44(3):705–11

Poliovirus protease 3C (P3-7c) does not cleave P220 of the eucaryotic mRNA cap-binding protein complex. Lee KA, et al. **J Virol** 1985 Aug;55(2):489–93

Proteolytic activity of mycoplasmas and ureaplasmas isolated freshly from human saliva. Watanabe T, et al. **Med Microbiol Immunol (Berl)** 1985;173(5):251–5

IgA1 protease cleaves heavy chains independently in dimeric human IgA1. Plaut AG, et al. **Mol Immunol** 1985 Jul; 22(7):821–6

Pheromone-processing protease of the yeast Saccharomyces cerevisiae [letter] Thorner J. **Nature** 1985 Mar 28–Apr 3; 314(6009):384–5

Membrane-bound enzymes and their role in processing of the dynorphins and of the proenkephalin octapeptide Metenkephalin-Arg-Gly-Leu. Benuck M, et al. **Neurochem Res** 1984 Jun;9(6):733–49

Catabolism of gastrin releasing peptide and substance P by gastric membrane-bound peptidases. Bunnett NW, et al. **Peptides (Fayetteville)** 1985 Mar–Apr;6(2):277–83

Characterization of in vitro proteolytic processing of beta-endorphin by reversed-phase HPLC. Davis TP, et al. **Peptides (Fayetteville)** 1984 Nov–Dec;5(6):1037–42

A gene regulating the heat shock response in Escherichia coli also affects proteolysis. Baker TA, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6779–83

Transfer RNA is an essential component of the ubiquitin- and ATP-dependent proteolytic system. Ciechanover A, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1341–5

Role of the alpha-amino group of protein in ubiquitin-mediated protein breakdown. Hershko A, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7021–5

Depletion of mucosal mast cell protease by corticosteroids: effect on intestinal anaphylaxis in the rat. King SJ, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1214–8

Poliovirus protease does not mediate cleavage of the 220,000-Da component of the cap binding protein complex. Lloyd RE, et al. **Proc Natl Acad Sci USA** 1985 May; 82(9):2723–7

Basic mechanisms of intracellular proteolysis. **Prog Clin Biol Res** 1985;180:309–15

Cellular proteinases and their inhibitors. **Prog Clin Biol Res** 1985;180:3–9

Protein degradation in rat liver cells. Bohley P, et al. **Prog Clin Biol Res** 1985;180:447–55

An o-phthalaldehyde spectrophotometric assay for proteolytic enzymes. Church FC. **Prog Clin Biol Res** 1985; 180:303–5

Degradation of short- and long-time labelled proteins by rat liver lysosomes. Glaumann H, et al. **Prog Clin Biol Res** 1985;180:417–26

WARK PUBLIC LIBRARY

Comparison of proteolysis in perfused rat liver and in isolated autophagic vacuoles. Henell F, et al. **Prog Clin Biol Res** 1985;180:457–60

The ATP–ubiquitin proteolytic pathway. Hershko A. **Prog Clin Biol Res** 1985;180:11–6

Does glutathione play a role in regulating intracellular proteolysis? Khairallah EA, et al. **Prog Clin Biol Res** 1985; 180:373–83

Regulation of myofibrillar protease, plasminogen activator and protein degradation in cultured myoblasts. Mayer M. **Prog Clin Biol Res** 1985;180:543–54

Intracellular degradative fate of transplanted and microinjected proteins. Mayer RJ, et al. **Prog Clin Biol Res** 1985;180:395–404

Characteristics of burn–induced proteolysis in skeletal muscle. Odessey R. **Prog Clin Biol Res** 1985;180:615–7

Proteolytic activities in membranes of Escherichia coli. Palmer SM, et al. **Prog Clin Biol Res** 1985;180:295–7

Covalent modification of proteins by mixed–function oxidation: recognition by intracellular proteases. Rivett AJ, et al. **Prog Clin Biol Res** 1985;180:317–28

Proteolytic activity associated with membranes of rat liver lysosomes. Schneider DL. **Prog Clin Biol Res** 1985; 180:291–3

Localization of four lysosomal proteases in experimental allergic encephalomyelitis. Stauber WT. **Prog Clin Biol Res** 1985;180:251–3

Electron microscope studies of attachment to human fallopian tube mucosa by a gonococcal IgA1 protease deficient mutant and wild type parent. Cooper MD, et al. **Scan Electron Microsc** 1984;(Pt 4):1925–30

Effect of calcium on proteolytic activity and conformation of hemorrhagic toxin I from five pace snake (Agkistrodon acutus) venom. Zhang JJ, et al. **Toxicon** 1984;22(6):931–5

[Proteolytic activity of the microflora of meat] Enikova R, et al. **Vet Med Nauki** 1984;21(10):67–74 (Eng. Abstr.) **(Bul)**

[Intracellular proteolysis] Duque–Magalhães MC. **Biochimie** 1984 Nov–Dec;66(11–12):653–62 (122 ref.) (Eng. Abstr.) **(Fre)**

[Demonstration of a proteolytic activity on intracellular origin in Aeromonas hydrophila LP 50] Denis F, et al. **Can J Microbiol** 1984 Sep;30(9):1190–2 (Eng. Abstr.) **(Fre)**

[The microflora of sourdough. XIX. The effect of temperature and dough yield on the proteolytic effect of lactic acid bacteria in sourdough] Spicher G, et al. **Z Lebensm Unters Forsch** 1984 Jul;179(1):36–9 (Eng. Abstr.) **(Ger)**

[Renal peptidases and proteinuria following long–term treatment of castrated rats with sex hormones] Vogel S, et al. **Z Mikrosk Anat Forsch** 1984;98(3):337–52 (Eng. Abstr.) **(Ger)**

[Studies on the proteolytic activity in the liver mitochondria] Osuga M. **Nippon Ika Daigaku Zasshi** 1985 Feb;52(1):49–57 (Eng. Abstr.) **(Jpn)**

[Protease and protease inhibitor from nasal secretions and mucosal extracts] Fukuda K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 Aug;87(8):936–43 (Eng. Abstr.) **(Jpn)**

[Studies of albumin with double peaks. III. Relationship between double–peaked albumin of the pleural effusion and proteolytic enzymes of the pancreas] Senju O, et al. **Rinsho Byori** 1984 Oct;32(10):1143–7 **(Jpn)**

[Role of proteases, plasminogen activators, fibrin fibrinogen degradation products and fibrinopeptides in the growth and development of neoplasms and neoplasm metastases] Farbiszewski R. **Postepy Hig Med Dosw** 1984 Mar–Apr; 38(2):133–55 (165 ref.) (Eng. Abstr.) **(Pol)**

[Isolation of protein hydrolysates by using immobilized bacterial peptide hydrolases] Nekliudov AD, et al. **Antibiot Med Biotekhnol** 1985 Apr;30(4):243–9 (Eng. Abstr.) **(Rus)**

[Resistance of various protein channels to proteolytic degradation] Krasil'nikov OV, et al. **Biofizika** 1985 Jan–Feb;30(1):79–81 (Eng. Abstr.) **(Rus)**

[Destabilase: an enzyme of medicinal leech salivary gland secretion hydrolyzes the isopeptide bonds in stabilized fibrin.] Baskova IP, et al. **Biokhimiia** 1985 Mar;50(3):424–31 (Eng. Abstr.) **(Rus)**

[Specific proteases which degrade prolactin in the mammary glands; subcellular localization and inhibitory analysis] Marinchenko GV. **Biokhimiia** 1985 Feb;50(2):200–10 (Eng. Abstr.) **(Rus)**

[Proteases of swine small intestine enterocytes. Kinetics of substrate hydrolysis and inhibition of aminopeptidase N from brush border vesicles] Mikhaĭlova AG, et al. **Biokhimiia** 1984 Oct;49(10):1733–8 (Eng. Abstr.) **(Rus)**

[Polymorphism of membrane proteinases from mitochondria.] Zubatov AS, et al. **Biokhimiia** 1985 Mar;50(3):485–94 (Eng. Abstr.) **(Rus)**

[Mechanisms of proteolysis] Antonov VK, et al. **Bioorg Khim** 1984 Aug;10(8):1044–58 (Eng. Abstr.) **(Rus)**

[Facilitation of the structural and functional disorders of liver lysosomes in toxic hepatitis due to the suppression of intralysosomal proteolysis] Korolenko TA, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):169–72 (Eng. Abstr.) **(Rus)**

[Insulin–degrading complex of the hemolysate from human erythrocytes] Matuliavichius VA, et al. **Dokl Akad Nauk SSSR** 1984 Nov–Dec;279(1):237–40 **(Rus)**

[Enhanced selectivity of the activity of proteolytic enzymes covalently immobilized in a matrix of polymer hydrogels] Platé NA, et al. **Dokl Akad Nauk SSSR** 1985;282(4):1010–3 **(Rus)**

[Genetic analysis of the indices of gastric acid secretory and proteolytic functions in duodenal ulcer patients] Lebedeva RP, et al. **Genetika (Moskva)** 1985 Feb;21(2):327–31 (Eng. Abstr.) **(Rus)**

[Quantum chemistry analysis of the mechanism of action of proteolytic enzymes. I. The state of the cleavable bond of substrates and intermediates] Aleksandrov SL, et al. **Mol Biol (Mosk)** 1984 Nov–Dec;18(6):1569–75 (Eng. Abstr.) **(Rus)**

[Quantum chemistry analysis of the mechanism of action of proteolytic enzymes. II. Nucleophilic attack] Aleksandrov SL, et al. **Mol Biol (Mosk)** 1984 Nov–Dec;18(6):1576–82 (Eng. Abstr.) **(Rus)**

[Role of proteolysis in corneal pathology] Ostashevskiĭ VL. **Oftalmol Zh** 1984;(4):235–8 (58 ref.) **(Rus)**

[Enzyme preparations for research on protein hydrolysates and amino acid mixtures not containing peptides] Krest'ianova IN, et al. **Prikl Biokhim Mikrobiol** 1985 Jan–Feb;21(1):48–57 (Eng. Abstr.) **(Rus)**

[Immobilization of proteolytic complexes on pectin–containing carriers] Manaev BM, et al. **Prikl Biokhim Mikrobiol** 1985 Jan–Feb;21(1):58–62 (Eng. Abstr.) **(Rus)**

[Role of proteolytic enzymes and vasoactive kinins in the pathogenesis of periodontosis] Khomenko LA. **Stomatologiia (Mosk)** 1984 Sep–Oct;63(5):24–6 (Eng. Abstr.) **(Rus)**

[Degradation of deamidated proteins by tissue proteinases] Lukash AI, et al. **Ukr Biokhim Zh** 1985 Jan–Feb;57(1):8–12 (Eng. Abstr.) **(Rus)**

[Role of proteolytic enzymes in the pathogenesis of the toxic syndrome in peritonitis] Sinovets AA, et al. **Vestn Khir** 1985 Jan;134(1):71–3 **(Rus)**

[Proteolytic enzymes and their inhibitors in clinical and experimental oncology] Geshelin SA, et al. **Vopr Onkol** 1984;30(10):9–18 (97 ref.) **(Rus)**

[Suppression of the proteolytic activation of myxoviruses in infected chick embryos by using aprotinin] Zhirnov OP, et al. **Vopr Virusol** 1985 Mar–Apr;30(2):207–14 (Eng. Abstr.) **(Rus)**

[Amylolytic and peptide hydrolase activities of duodenal mucosa in patients with chronic atrophic gastritis] Ganich ON, et al. **Vrach Delo** 1985 Jan;(1):22–5 (Eng. Abstr.) **(Rus)**

[Emphysema—the result of the proteolytic digestion of pulmonary tissue] Eriksson S. **Lakartidningen** 1984 Oct 3; 81(40):3612–5 **(Swe)**

PHARMACODYNAMICS

Effect of proteolytic enzymes and polypeptides on the antacid activity of almagate and other antacids. Beneyto JE, et al. **Arzneimittelforsch** 1984;34(10A):1357–60

Differential effect of Serratia protease on platelet surface glycoproteins Ib and V. McGowan EB, et al. **Blood** 1985 Apr;65(4):1033–5

Insulin–like activity of proteases. VIII. Stimulation of lipogenesis and pyruvate dehydrogenase and suppression of epinephrine–sensitive lipolysis in rat epididymal adipose tissue by an N–succinyl–L–trialanine p–nitroanilide–hydrolyzing protease from pronase. Ueki H, et al. **Chem Pharm Bull (Tokyo)** 1984 Nov;32(11):4539–44

Comparison of detergent versus protease solubilized rat intestinal lactase. Neu J, et al. **Enzyme** 1984;32(3):133–41

Protease induction of hemoglobin synthesis but not terminal cell division in K562 cells. Scher W, et al. **Exp Hematol** 1985 Jan;13(1):36–43

The effects of preliminary proteolysis on the immunohistochemical and dye staining properties of elastic fibres. Mera SL, et al. **Histochem J** 1985 Feb;17(2):243–58

A serratial protease causes vascular permeability reaction by activation of the Hageman factor–dependent pathway in guinea pigs. Kamata R, et al. **Infect Immun** 1985 Jun; 48(3):747–53

Proteolytic activation of calmodulin–dependent cyclic nucleotide phosphodiesterase. Kincaid RL, et al. **J Biol Chem** 1985 Jul 25;260(15):9009–15

Induction of differentiation in human myeloid leukemic cells by proteolytic enzymes. Fibach E, et al. **J Cell Physiol** 1985 May;123(2):228–34

Degradation of the epidermal–dermal junction by proteolytic enzymes from human skin and human polymorphonuclear leukocytes. Briggaman RA, et al. **J Exp Med** 1984 Oct 1;160(4):1027–42

Dermatitis herpetiformis: preparation of papillary dermis and the effect of proteolytic enzymes on the IgA deposits. Egelrud T, et al. **J Invest Dermatol** 1984 May;82(5):501–5

Ability of enzymes to remove Candida. Tamamoto M, et al. **J Prosthet Dent** 1985 Feb;53(2):214–6

Alterations of blood platelet function induced by neutral proteases from human leukocytes. Bykowska K, et al. **Thromb Res** 1985 Jun 1;38(5):535–46

Membrane fluidity and platelet fibrinogen receptor exposure by proteolytic enzymes. Simons E, et al. **Thromb Res** 1985 Jul 1;39(1):91–6

Enhanced production of cell–bound and extracellular streptolysin S by hemolytic streptococci pretreated with proteases. Taketo A, et al. **Z Naturforsch [C]** 1985 Mar–Apr;40(3–4):166–9

[Effect of defibrinogenase on the patency rate of femoral artery microanastomosis in rabbits] Weng LJ. **Chung Hua Wai Ko Tsa Chih** 1984 Jun;22(6):327–8, 381 (Eng. Abstr.) **(Chi)**

[Purification of human plasma prorenin and molecular changes in its activation by proteolytic enzymes] Imamura Y. **Nippon Jinzo Gakkai Shi** 1985 Jan;27(1):1–12 (Eng. Abstr.) **(Jpn)**

[Effect of the enzyme preparation longolytin on fibrinolysis in animals] Serebriakova TN, et al. **Biol Nauki** 1985; (2):66–71 (Eng. Abstr.) **(Rus)**

[Changes in cholino– and adrenoceptors as affected by blood proteolytic enzymes] Panchenko AL, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):469–71 (Eng. Abstr.) **(Rus)**

[Kininase of karakurt venom: its physico–chemical properties and the kinetics of bradykinin breakdown] Golubenko Z, et al. **Dokl Akad Nauk SSSR** 1984;276(5):1265–9 **(Rus)**

[Immunomodulating action of terrilytin] Chalyĭ GA, et al. **Farmakol Toksikol** 1984 Jul–Aug;47(4):81–5 (Eng. Abstr.) **(Rus)**

[Comparative study of proteolytic enzyme preparations of the actinomycete Streptomyces spheroides and its mutant] Al–Nuri MA, et al. **Mikrobiologiia** 1984 Jul–Aug; 53(4):572–6 (Eng. Abstr.) **(Rus)**

[Mechanism of the hypotensive action of inkrepan] Surovikina MS, et al. **Patol Fiziol Eksp Ter** 1984 Sep–Oct; (5):40–3 **(Rus)**

[Effect of terrilitin on the proteolytic activity of the blood and formation of an immunostimulating factor by spleen cells] Prokopenko LG, et al. **Ukr Biokhim Zh** 1985 May–Jun;57(3):40–4 (Eng. Abstr.) **(Rus)**

[Anticoagulating properties of fungal proteases tricholysine (triase) and longolytin] Serebriakova TN, et al. **Vopr Med Khim** 1984 Sep–Oct;30(5):37–40 (Eng. Abstr.) **(Rus)**

[Proteolysis of the barley protein, hordein] Levitskiĭ AP, et al. **Vopr Pitan** 1984 Nov–Dec;(6):61–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The effect of proteases on the synthesis of glucoamylase by mutants of Aspergillus niger C. Fiedurek J, et al. **Acta Microbiol Pol** 1985;34(1):25–32

A possible role for endogenous protease in secretory events. Allan D. **Biochem Soc Trans** 1984 Dec;12(6):965–6

Proteases are responsible for blister formation in recessive dystrophic epidermolysis bullosa and epidermolysis bullosa simplex. Takamori K, et al. **Br J Dermatol** 1985 May; 112(5):533–8

A cytosol protease from the estrogen–resistant C3H mammary carcinoma increases the affinity of the estrogen receptor for DNA in vitro. Baskevitch PP, et al. **Eur J Biochem** 1985 Feb 1;146(3):671–8

Further evidence for a cell surface proteinase essential to the growth of cultured fibroblasts. Scott GK, et al. **Exp Cell Res** 1985 May;158(1):41–52

Role of peptidases of the human small intestine in protein digestion [editorial] Kim YS, et al. **Gastroenterology** 1985 Apr;88(4):1071–3

Role of caseinase from Aeromonas salmonicida in activation of hemolysin. Titball RW, et al. **Infect Immun** 1985 Sep; 49(3):756–9

Selective DNA–amplification induced by carcinogens (initiators): evidence for a role of proteases and DNA polymerase alpha. Heilbronn R, et al. **Int J Cancer** 1985 Jul 15;36(1):85–91

The role of increased proteolysis in the atrophy and arrest of proliferation in serum–deprived fibroblasts. Gronostajski RM, et al. **J Cell Physiol** 1984 Oct;121(1):189–98

Co–immunoprecipitation of the Ly–5 molecule and an endogenous protease: a proteolytic system requiring a reducing agent and Ca2+1. Ewald SJ, et al. **J Immunol** 1985 Apr;134(4):2513–9

The mechanism of human NK cell–mediated cytotoxicity. Mode of action of surface–associated proteases in the early stages of the lytic reaction. Lavie G, et al. **J Immunol** 1985 Aug;135(2):1470–6

Attachment to and invasion of human fallopian tube mucosa by an IgA1 protease–deficient mutant of Neisseria gonorrhoeae and its wild–type parent. Cooper MD, et al. **J Infect Dis** 1984 Nov;150(5):737–44

Calcium–stimulated proteolysis in myelin: evidence for a Ca2+–activated neutral proteinase associated with purified myelin of rat CNS. Banik NL, et al. **J Neurochem** 1985 Aug;45(2):581–8

A deletion mutation in the 5' part of the pol gene of Moloney murine leukemia virus blocks proteolytic processing of the gag and pol polyproteins. Crawford S, et al. **J Virol** 1985 Mar;53(3):899–907

In vivo proteolytic activity of the mammary gland. Contribution to the origin of secretory component, beta 2–microglobulin and bovine–associated mucoprotein (BAMP) in cows milk. Pringnitz DJ, et al. **Vet Immunol Immunopathol** 1985 Jun;9(2):143–60

[Bacteriological enzymes of microbial origin in biology and medicine] Kulaev NS, et al. **Vestn Akad Med Nauk SSSR** 1984;(8):64–9 (Eng. Abstr.) **(Rus)**

[Role of proteolytic enzymes in the regulation of physiological processes] Orekhovich VN, et al. **Vestn Akad Med Nauk SSSR** 1984;(8):3–11 (Eng. Abstr.)

NEWARK PUBLIC LIBRARY

(Rus)

SECRETION

Mechanisms of activation and secretion of a cell-associated precursor of an exocellular protease of Pseudomonas aeruginosa 34362A. Fecycz IT, et al. **Eur J Biochem** 1985 Jan 2;146(1):35–42

Inflammatory mediators in late antigen-induced rhinitis. Naclerio RM, et al. **N Engl J Med** 1985 Jul 11;313(2):65–70

[Proteolytic enzyme secretion by the gastric glands in peptic ulcer and gastritis] Sorokina VG, et al. **Vrach Delo** 1984 Oct;(10):21–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Haemocoagulase obtained from snake venom in the management haemoptysis due to pulmonary tuberculosis. Khanna BK. **Indian J Chest Dis Allied Sci** 1983 Oct–Dec; 25(4):259–61

[Enzyme treatment of a primary suppurative wound] Petkov P, et al. **Khirurgiia (Sofiia)** 1984;37(5):351–5 (Eng. Abstr.) **(Bul)**

[Granulated feprazone in acute inflammatory pathology of the bronchial tree. Study in comparison to a serratiopeptidase] Alessandrini A, et al. **Clin Ter** 1985 May 31;113(4):275–80 (Eng. Abstr.) **(Ita)**

[Use of collagenases and non-specific proteases in the treatment of necrotic ulcerative dermatitis] Graifemberghi S, et al. **Clin Ter** 1984 Aug 31;110(4):359–62 (Eng. Abstr.) **(Ita)**

[Enzymatic treatment of central serous retinopathy] Radian AB, et al. **Rev Chir [Oftalmol]** 1984 Oct–Dec;28(4):299–300 (Eng. Abstr.) **(Rum)**

[Use of immobilized proteolytic enzymes in the treatment of postoperative pulmonary complications] Bratslavskii AM, et al. **Anesteziol Reanimatol** 1984 Jul–Aug;(4):40–3 (Eng. Abstr.) **(Rus)**

[Treatment of purulent wounds by means of necrectomy and immobilized proteolytic enzymes] Kogan AS, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):54–8 (Eng. Abstr.) **(Rus)**

[Prevention of lymphogenous tumor metastasis (experimental-clinical study)] Levin IuM, et al. **Khirurgiia (Mosk)** 1984 Sep;(9):95–8 (Eng. Abstr.) **(Rus)**

[Role of thermography in assessing the therapeutic action of immobilized proteolytic enzymes on suppurative wound healing] Gostishchev VK, et al. **Klin Khir** 1985 Jan;(1):11–2 (Eng. Abstr.) **(Rus)**

[Biocompatible polyurethanes containing antibiotics and proteolytic enzymes as components] Lipatova TE, et al. **Klin Khir** 1985 Jan;(1):51–2 (Eng. Abstr.) **(Rus)**

[Use of the immobilized proteolytic enzyme profezim in the combined treatment of periodontal diseases] Belikov PP, et al. **Stomatologiia (Mosk)** 1985 Mar–Apr;64(2):17–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Studies on pathogenesis of reflux pancreatitis. Kanao M, et al. **Hiroshima J Med Sci** 1984 Dec;33(4):731–7

Pathological changes in muscle caused by haemorrhagic and proteolytic factors from Bothrops jararaca snake venom. Queiroz LS, et al. **Toxicon** 1985;23(2):341–5

URINE

Characterization of proteolytic systems in human and rat urine. Wormser U. et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):191–7

PEPTIDE INITIATION FACTORS

Structure-function relationship in Escherichia coli initiation factors. Biochemical and biophysical characterization of the interaction between IF-2 and guanosine nucleotides. Pon CL, et al. **J Biol Chem** 1985 Jul 25;260(15):8918–24

ANALYSIS

Eukaryotic protein synthesis initiation factor eIF-3: determination of concentration and association with ribosomes in rabbit reticulocyte and HeLa cell lysates. Mengod G, et al. **Biochim Biophys Acta** 1985 Jun 24; 825(2):169–74

Is actin a transcription initiation factor for RNA polymerase B? Egly JM, et al. **EMBO J** 1984 Oct;3(10):2363–71

Initiation factor eIF2 associated with non-polysomal poly(A)-containing messenger ribonucleoproteins of cryptobiotic gastrulae of Artemia salina. de Herdt E, et al. **Eur J Biochem** 1985 Sep 16;151(3):455–60

Ribosomal subunit antiassociation activity in rabbit reticulocyte lysates. Evidence for a low molecular weight ribosomal subunit antiassociation protein factor (Mr = 25,000). Raychaudhuri P, et al. **J Biol Chem** 1984 Oct 10; 259(19):11930–5

On the distribution of ribosome-inactivating proteins amongst plants. Gasperi-Campani A, et al. **J Nat Prod** 1985 May–Jun;48(3):446–54

[Comparison of cytoplasmic informosome proteins with RNA-binding proteins and translation initiation factors from rabbit reticulocytes.] Minich VB, et al. **Biokhimiia** 1985 Mar;50(3):465–74 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Indirect inactivation of rabbit reticulocyte initiation factor eIF-2 by helenalin and bis(helenalinyl) malonate. Williams WL Jr, et al. **Biochemistry** 1984 Nov 6;23(23):5637–44

Inhibition of protein synthesis initiation factors by naturally occurring sulfhydryl reactive reagents. Chaney SG, et al. **Curr Top Cell Regul** 1984;24:251–60

BLOOD

Evidence that the primary effect of phosphorylation of eukaryotic initiation factor 2(alpha) in rabbit reticulocyte lysate is inhibition of the release of eukaryotic initiation factor-2.GDP from 60 S ribosomal subunits. Gross M, et al. **J Biol Chem** 1985 Aug 5;260(16):9491–500

GENETICS

The gene encoding translation initiation factor 3 is highly conserved in gram-negative bacteria. Pramanik A, et al. **Arch Biochem Biophys** 1984 Nov 15;235(1):276–82

Role of the pi initiation protein and direct nucleotide sequence repeats in the regulation of plasmid R6K replication. Filutowicz M, et al. **Basic Life Sci** 1985; 30:125–40

In vivo evidence that the nusA and infB genes of E. coli are part of the same multi-gene operon which encodes at least four proteins. Nakamura Y, et al. **EMBO J** 1985 Feb; 4(2):527–32

Two translational initiation sites in the infB gene are used to express initiation factor IF2 alpha and IF2 beta in Escherichia coli. Plumbridge JA, et al. **EMBO J** 1985 Jan; 4(1):223–9

The nature of the interaction of eukaryotic initiation factor 2 with double-stranded RNA. Itamar D, et al. **Eur J Biochem** 1984 Dec 3;145(2):373–9

Comparative sequence and functional analysis of pT181 and pC221, cognate plasmid replicons from Staphylococcus aureus. Projan SJ, et al. **MGG** 1985;199(3):452–64

Regulation of a protein synthesis initiation factor by adenovirus virus-associated RNA. Reichel PA, et al. **Nature** 1985 Jan 17–23;313(5999):196–200

Autorepressor properties of the pi-initiation protein encoded by plasmid R6K. Filutowicz M, et al. **Nucleic Acids Res** 1985 Jan 11;13(1):103–14

Escherichia coli translational initiation factor IF3: a unique case of translational regulation. Gold L, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7061–5

Sequence of the initiation factor IF2 gene: unusual protein features and homologies with elongation factors. Sacerdot C, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7787–91

IMMUNOLOGY

The rate of evolutionary divergence of initiation factors IF2 and IF3 in various bacterial species determined quantitatively by immunoblotting. Howe JG, et al. **Arch Microbiol** 1984 Dec;140(2–3):187–92

ISOLATION & PURIFICATION

Initiation factors eIF4A and C1 from wheat germ and the formation of mRNA X ribosome complexes. Seal SN, et al. **Arch Biochem Biophys** 1985 Apr;238(1):146–53

Regulation of protein synthesis in eukaryotes. Eukaryotic initiation factor eIF-2 and eukaryotic recycling factor eRF from neuroblastoma cells. Salimans M, et al. **Biochim Biophys Acta** 1985 Aug 21;825(4):384–92

Protein synthesis initiation factor 2 from chicken reticulocytes: purification by affinity chromatography and preliminary characterization. Lee JC. **Int J Biochem** 1984; 16(11):1143–7

Purification and properties of eukaryotic initiation factor 2 and its ancillary protein factor (Co-eIF-2A) from yeast Saccharomyces cerevisiae. Ahmad MF, et al. **J Biol Chem** 1985 Jun 10;260(11):6955–9

Mechanism of inhibition of polypeptide chain initiation in heat-shocked Ehrlich cells involves reduction of eukaryotic initiation factor 4F activity. Panniers R, et al. **J Biol Chem** 1985 Aug 15;260(17):9648–53

Eukaryotic initiation factor 5 from calf liver is a single polypeptide chain protein of Mr = 62,000. Raychaudhuri P, et al. **J Biol Chem** 1985 Feb 25;260(4):2132–9

Isolation of eukaryotic initiation factor 2 from rat brain. Calés C, et al. **J Neurochem** 1985 Oct;45(4):1298–302

Isolation and characterization of factors from wheat germ that exhibit eukaryotic initiation factor 4B activity and overcome 7-methylguanosine 5'-triphosphate inhibition of polypeptide synthesis. Lax S, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):330–3

METABOLISM

A fluorescence study of the binding of poly(1,N6-ethenoadenylic acid) to Escherichia coli initiation factor 3. Schmidt BF, et al. **Arch Biochem Biophys** 1985 Jul;240(1):217–25

Salt-dependent binding of Escherichia coli initiation factor 3 to nucleic acids determined by sedimentation partition chromatography. Schmidt BF, et al. **Arch Biochem Biophys** 1985 Jul;240(1):207–16

The role of guanine nucleotides in translational control by protein phosphorylation. Siekierka J, et al. **Biochem Soc Trans** 1985 Aug;13(4):671–3

Catalytic utilization of eIF-2 and mRNA binding proteins are limiting in lysates from vesicular stomatitis virus infected L cells. Dratewka-Kos E, et al. **Biochemistry** 1984 Dec 4;23(25):6184–90

Isolation of a heme-controlled inhibitor of translation that blocks the interaction between messenger rna and eukaryotic initiation factor 2. Knoller S, et al. **Biochemistry** 1984 May 22;23(11):2462–9

Characterization of initiation factor 3 from wheat germ. 1. Effects of proteolysis on activity and subunit composition. Lauer SJ, et al. **Biochemistry** 1985 Jun 4;24(12):2924–8

Characterization of initiation factor 3 from wheat germ. 2. Effects of polyclonal and monoclonal antibodies on activity. Lauer SJ, et al. **Biochemistry** 1985 Jun 4; 24(12):2928–31

On the structure of native small ribosomal subunits and initiation factor eIF-3 isolated from rat liver. Lutsch G, et al. **Biomed Biochim Acta** 1985;44(2):K1–7

The host protein required for in vitro replication of poliovirus is a protein kinase that phosphorylates eukaryotic initiation factor-2. Morrow CD, et al. **Cell** 1985 Apr;40(4):913–21

GTP interacts with the gamma-subunit of eukaryotic initiation factor eIF-2. Kurzchalia TV, et al. **FEBS Lett** 1984 Oct 1;175(2):313–6

Mechanism of protein biosynthesis in prokaryotic cells. Effect of initiation factor IF1 on the initial rate of 30 S initiation complex formation. Pon CL, et al. **FEBS Lett** 1984 Oct 1;175(2):203–7

Specific phosphorylation of pig liver initiation factor eIF-2 by the N-ethylmaleimide-treated hemin-controlled translational inhibitor. Suzuki H, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1061–6

A comparative study of the characteristics of eIF-2 and eIF-2-ancillary factor activities from yeast Saccharomyces cerevisiae and rabbit reticulocytes. Ahmad MF, et al. **J Biol Chem** 1985 Jun 10;260(11):6960–5

Kinetics of dephosphorylation of eIF-2(alpha P) and reutilization of mRNA. De Benedetti A, et al. **J Biol Chem** 1985 Mar 10;260(5):3135–9

Regulation of initiation factors during translational repression caused by serum depletion. Abundance, synthesis, and turnover rates. Duncan R, et al. **J Biol Chem** 1985 May 10;260(9):5486–92

Regulation of initiation factors during translational repression caused by serum depletion. Covalent modification. Duncan R, et al. **J Biol Chem** 1985 May 10;260(9):5493–7

The interaction between initiation factor 3 and 30 S ribosomal subunits studied by high-resolution 1H NMR spectroscopy. Paci M, et al. **J Biol Chem** 1985 Jan 25;260(2):887–92

Mechanism of inhibition of polypeptide chain initiation in heat-shocked Ehrlich cells involves reduction of eukaryotic initiation factor 4F activity. Panniers R, et al. **J Biol Chem** 1985 Aug 15;260(17):9648–53

ATP-dependent unwinding of messenger RNA structure by eukaryotic initiation factors. Ray BK, et al. **J Biol Chem** 1985 Jun 25;260(12):7651–8

Formation and release of eukaryotic initiation factor 2 X GDP complex during eukaryotic ribosomal polypeptide chain initiation complex formation. Raychaudhuri P, et al. **J Biol Chem** 1985 Feb 25;260(4):2140–5

Mechanism of interferon action. Increased phosphorylation of protein synthesis initiation factor eIF-2 alpha in interferon-treated, reovirus-infected mouse L929 fibroblasts in vitro and in vivo. Samuel CE, et al. **J Biol Chem** 1984 Nov 10;259(21):13451–7

The 60 S ribosomal subunit as a carrier of eukaryotic initiation factor 2 and the site of reversing factor activity during protein synthesis. Thomas NS, et al. **J Biol Chem** 1985 Aug 15;260(17):9860–6

Inhibition of binding to initiation complexes of nascent reovirus mRNA by double-stranded RNA-dependent protein kinase. De Benedetti A, et al. **J Virol** 1985 May; 54(2):408–13

Shutoff of host translation by encephalomyocarditis virus infection does not involve cleavage of the eucaryotic initiation factor 4F polypeptide that accompanies poliovirus infection. Mosenkis J, et al. **J Virol** 1985 May;54(2):643–5

Heterogeneity of protein-synthesis initiation factors in developing and aging rat brain. Vargas R, et al. **Mech Ageing Dev** 1984 Aug;26(2–3):371–8

Hypusine formation: a unique posttranslational modification in translation initiation factor eIF-4D. Cooper HL, et al. **Methods Enzymol** 1984;106:344–51

Cross-linking of mRNA to initiation factor eIF-3, 24 kDa cap binding protein and ribosomal proteins S1, S3/3a, S6 and S11 within the 48S pre-initiation complex. Westermann P, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8887–97

Adenovirus VAI RNA prevents phosphorylation of the eukaryotic initiation factor 2 alpha subunit subsequent to infection. Schneider RJ, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4321–5

Translational control by adenovirus: lack of virus-associated RNAI during adenovirus infection results in phosphorylation of initiation factor eIF-2 and inhibition of protein synthesis. Siekierka J, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1959–63

[Contacts of ribosomal proteins with tRNAPhe and 16S RNA in analogs of the 30S initiation complex] Abdurashidova GG, et al. **Mol Biol (Mosk)** 1985 Mar–Apr;19(2):553–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Initiation factors eIF4A and C1 from wheat germ and the formation of mRNA X ribosome complexes. Seal SN, et al. **Arch Biochem Biophys** 1985 Apr;238(1):146-53

Plasmid-encoded initiation protein is required for activity at all three origins of plasmid R6K DNA replication in vitro. Inuzuka M. **FEBS Lett** 1985 Feb 25;181(2):236-40

Evaluation and significance of kinetic parameters governing function of protein synthesis initiation factors eIF-2 and eIF-2B. Manchester KL. **FEBS Lett** 1985 Mar 11; 182(1):15-9

Distribution of reversing factor in reticulocyte lysates during active protein synthesis and on inhibition by heme deprivation or double-stranded RNA. Thomas NS, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):6998-7002

PEPTIDE PEPTIDOHYDROLASE INHIBITORS see **PROTEASE INHIBITORS**

PEPTIDE PEPTIDOHYDROLASES

Cellular effects of proteinase activity in commercial xanthine oxidase [letter] Ager A, et al. **Biochem J** 1984 Sep 15; 222(3):839

Chymopapain. Chromatographic purification and immunological characterization. Buttle DJ, et al. **Biochem J** 1984 Oct 1;223(1):81-8

Calpain and calpastatin in porcine retina. Identification and action on microtubule-associated proteins. Yoshimura N, et al. **Biochem J** 1984 Oct 1;223(1):47-51

Fatty acid synthase: probing the structure of a multifunctional protein by limited proteolysis. Hardie DG, et al. **Biochem Soc Trans** 1985 Apr;13(2):297-9

High-resolution nitrogen-15 nuclear magnetic resonance studies of alpha-lytic protease in solid state. Direct comparison of enzyme structure in solution and in the solid state. Huang TH, et al. **Biochemistry** 1984 Dec 4; 23(25):5933-7

Mouse 7S nerve growth factor: complete sequence of a cDNA coding for the alpha-subunit precursor and its relationship to serine proteases. Isackson PJ, et al. **Biochemistry** 1984 Dec 4;23(25):5997-6002

Quantitative structure-activity relationships of cysteine hydrolases. Ficin hydrolysis of X-phenyl-N-methanesulfonyl glycinates. Carotti A, et al. **Chem Biol Interact** 1985 Jan;52(3):279-88

Primary structure of alpha-clostripain light chain. Gilles AM, et al. **Eur J Biochem** 1984 Dec 17;145(3):469-76

Demonstration of a bacteriophage receptor site on the Escherichia coli K12 outer-membrane protein OmpC by the use of a protease. Morona R, et al. **Eur J Biochem** 1985 Jul 1;150(1):161-9

Comparison of tryptic peptides from the heavy and light subunits of calpain I and calpain II by high performance liquid chromatography. Yumoto N, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1531-7

The 1.8 A structure of the complex between chymostatin and Streptomyces griseus protease A. A model for serine protease catalytic tetrahedral intermediates. Delbaere LT, et al. **J Mol Biol** 1985 May 5;183(1):89-103

Crystal structure at 2.6 A resolution of the complex of subtilisin BPN' with streptomyces subtilisin inhibitor. Hirono S, et al. **J Mol Biol** 1984 Sep 15;178(2):389-414

Thiol proteases. Comparative studies based on the high-resolution structures of papain and actinidin, and on amino acid sequence information for cathepsins B and H, and stem bromelain. Kamphuis IG, et al. **J Mol Biol** 1985 Mar 20;182(2):317-29

Electron density calculations as an extension of protein structure refinement. Streptomyces griseus protease A at 1.5 A resolution. Moult J, et al. **J Mol Biol** 1985 Apr 20; 182(4):555-66

Pronase and proteinase K digestion of human immunoglobulin M. Jehanli A, et al. **Mol Immunol** 1985 May;22(5):557-66

A putative Ca2+-binding protein: structure of the light subunit of porcine calpain elucidated by molecular cloning and protein sequence analysis. Sakihama T, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6075-9

Validity of serine protease inhibition tests in the evaluation and monitoring of the effect of heparin and its fractions. Hoppensteadt DA, et al. **Semin Thromb Hemost** 1985 Apr; 11(2):112-20 (27 ref.)

[A new particle of chromatin obtained by proteolysis of histones with clostripain] Dumuis-Kervabon A, et al. **C R Acad Sci [III]** 1984;299(7):185-8 (Eng. Abstr.) **(Fre)**

[Primary structure of 20S,22R-cholesterol-hydroxylating cytochrome P-450 from bovine adrenal cortex mitochondria. Study of the structure of peptides obtained by hydrolysis of fragment F1 with proteinase from Staphylococcus aureus] Chashchin VL, et al. **Bioorg Khim** 1985 Apr;11(4):455-70 (Eng. Abstr.) **(Rus)**

[The role of carbohydrate groups in IgM. VIII. The effect of treatment of IgM with acids on the subsequent action of glycosidases and endogenous proteinases] Chukhrova AI, et al. **Bioorg Khim** 1984 Mar;10(3):378-82 (Eng. Abstr.) **(Rus)**

[The structure of pepsin. I. Molecular self-symmetry of the enzyme and implications for the evolution of aspartate proteinases] Andreeva NS. **Mol Biol (Mosk)** 1985 Jan-Feb; 19(1):218-24 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Chymopapain administration procedures modified. **FDA Drug Bull** 1984 Aug;14(2):14-5

Chemonucleolysis. Stephens MM, et al. **Ir J Med Sci** 1984 May;153(5):174-7

Intravenous injection during chemonucleolysis [letter] **J Neurosurg** 1984 Nov;61(5):991-3

ADVERSE EFFECTS

Intervertebral disk-space infection after chymopapain injection. Deeb ZL, et al. **AJR** 1985 Apr;144(4):671-4

Anaphylaxis to chymopapain after antihistamine pretreatment [letter] Levy JH. **Anesth Analg** 1985 Jan;64(1):90

Use of prophylactic combined H1 and H2 antagonists reduces mortality in chymopapain anaphylaxis. Moss J. **Ann Fr Anesth Reanim** 1985;4(2):221-4

Adverse reactions to chemonucleolysis: anesthetic considerations. Moss J, et al. **Int Anesthesiol Clin** 1985 Fall; 23(3):119-32

Prospective evaluation of chymopapain sensitivity in patients undergoing chemonucleolysis. Bernstein DI, et al. **J Allergy Clin Immunol** 1985 Sep;76(3):458-65

Proteins: chymopapain and insulin. Grammer LC, et al. **J Allergy Clin Immunol** 1984 Oct;74(4 Pt 2):635-40

Transverse myelitis following chemonucleolysis [letter] **J Bone Joint Surg [Am]** 1985 Feb;67(2):345-6

Paraplegia following chymopapain injection. A case report [letter] Brown MD. **J Bone Joint Surg [Am]** 1985 Mar; 67(3):504

Paraplegia following chymopapain injection. A case report. Weitz EM. **J Bone Joint Surg [Am]** 1984 Sep;66(7):1131-5

Chymopapain and general anesthesia [letter] Parkinson D. **J Neurosurg** 1984 Nov;61(5):993-4

Complications of chymopapain injection [letter] Romy M. **J Neurosurg** 1985 Apr;62(4):621

Urological complications following chemonucleolysis. Berkson B, et al. **J Urol** 1985 Jun;133(6):1065-6

Anaphylaxis associated with chymopapain injections [letter] Battit GE. **JAMA** 1985 Feb 15;253(7):977-8

Hemorrhagic complications after the lumbar injection of chymopapain. Buchman A, et al. **Neurosurgery** 1985 Feb; 16(2):222-4

Chymodiactin postmarketing surveillance. Demographic and adverse experience data in 29,075 patients. Agre K, et al. **Spine** 1984 Jul-Aug;9(5):479-85

Chymopapain-induced hypersensitivity following chemonucleolysis. Tsay YG, et al. **Spine** 1984 Oct; 9(7):769-71

Chymopapain [editorial] Bucy PC. **Surg Neurol** 1985 Feb; 23(2):199

[Allergy to chymopapain: value of predictive tests before chemonucleolysis] Moneret-Vautrin DA, et al. **Ann Fr Anesth Reanim** 1985;4(3):313-5 (Eng. Abstr.) **(Fre)**

[Thromboembolism following chemonucleolysis for disk hernia (letter)] Delorme N, et al. **Presse Med** 1985 Jan 19; 14(2):107 **(Fre)**

[Chymopapain allergy. Diagnostic value of a skin test before and after chemonucleolysis] Mayer HM, et al. **Neurochirurgia (Stuttg)** 1985 Mar;28(2):51-6 (Eng. Abstr.) **(Ger)**

ANALYSIS

An evaluation of fluorometric proteinase assays which employ fluorescamine. Evans CH, et al. **Anal Biochem** 1984 Nov 1;142(2):411-20

L-Pyroglutamyl-L-phenylalanyl-L-leucine-p-nitroanilid chromogenic substrate for thiol proteinase assay. Filippova IYu, et al. **Anal Biochem** 1984 Dec;143(2):293-7

A fluorogenic active-site titrant for serine proteases. Green DP. **Anal Biochem** 1985 Jun;147(2):487-90

A sensitive and rapid method for assaying the activity of type III procollagen amino-terminal proteinase. Halila R. **Anal Biochem** 1985 Feb 15;145(1):205-11

On the teratogenesis of round-headed spermatozoa: investigations with antibodies against acrosin, an intraacrosomally located acrosin-inhibitor, and the outer acrosomal membrane. Flörke-Gerloff S, et al. **Andrologia** 1985 Mar-Apr;17(2):126-38

Low acrosin activity in polyzoospermia. Schill WB, et al. **Andrologia** 1984 Nov-Dec;16(6):589-91

Quantitative studies of heat-stable proteinase from Pseudomonas fluorescens P1 by the enzyme-linked immunosorbent assay. Birkeland SE, et al. **Appl Environ Microbiol** 1985 Feb;49(2):382-7

Fluorometric microassay of trypsin and enteropeptidase in children--comparison with a titrimetic assay. Mitchell JD, et al. **Aust Paediatr J** 1984 Nov;20(4):313-6

Cathepsins J and K: high molecular weight cysteine proteinases from human tissues. Liao JC, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):909-16

An immunoradiometric assay for endopeptidase-24.11 shows it to be a widely distributed enzyme in pig tissues. Gee NS, et al. **Biochem J** 1985 May 15;228(1):119-26

Immunoelectrophoretic analysis of vascular, membrane-bound angiotensin I converting enzyme, aminopeptidase M, and dipeptidyl(amino)peptidase IV. Ward PE. **Biochem Pharmacol** 1984 Oct 15;33(20):3183-93

Cysteine proteinase content of rat muscle lysosomes. Evidence for an unusual proteinase activity. Obled A, et al. **Biochimie** 1984 Sep-Oct;66(9-10):609-16

Characterization of a cysteine proteinase secreted by mouse mammary gland. Recklies AD, et al. **Cancer Res** 1985 May; 45(5):2302-7

Comparative study of Agkistrodon acutus venoms from China and Taiwan. Komori Y, et al. **Comp Biochem Physiol [C]** 1984;79(1):51-7

Proteolytic activity of Candida albicans and other yeasts. Schreiber B, et al. **Diagn Microbiol Infect Dis** 1985 Jan; 3(1):1-5

Identification of dipeptidyl peptidase IV as a protein shared by the plasma membrane of hepatocytes and liver biomatrix. Walborg EF Jr, et al. **Exp Cell Res** 1985 Jun; 158(2):509-18

Selective localization of calpain I (the low-Ca2+-requiring form of Ca2+-dependent cysteine proteinase) in B-cells of human pancreatic islets. Kitahara A, et al. **FEBS Lett** 1985 May 6;184(1):120-4

Proteinases and inhibitors in plasma and peritoneal exudate in acute pancreatitis. Wendt P, et al. **Hepatogastroenterology** 1984 Dec;31(6):277-81

Histochemical localization of dipeptidyl peptidase IV in muscle spindles of the rat. II. Electron microscopy. Dubový P, et al. **Histochem J** 1985 May;17(5):582-4

Histochemical localization of dipeptidyl peptidase IV in muscle spindles of the rat. I. Light microscopy. Soukup T, et al. **Histochem J** 1985 May;17(5):579-81

Evidence of a high molecular weight form of acrosin in boar acrosomal extract. Berruti G. **Int J Biochem** 1985; 17(1):87-94

Acid proteases and histologic correlations in experimental ulceration in vitamin A deficient rabbit corneas. Twining SS, et al. **Invest Ophthalmol Vis Sci** 1985 Jan;26(1):31-44

Cytochemical localization and biochemical evaluation of a lysosomal serine protease in lung: dipeptidyl peptidase II in the normal rat. Randell SH, et al. **J Histochem Cytochem** 1985 Jul;33(7):677-86

Diversity of melanoma plasma membrane proteinases: inhibition of collagenolytic and cytolytic activities by minocycline. Zucker S, et al. **JNCI** 1985 Sep;75(3):517-25

Localization of angiotensin converting enzyme (dipeptidyl carboxypeptidase) in swine sperm by immunofluorescence. Yotsumoto H, et al. **Life Sci** 1984 Sep 17;35(12):1257-61

Comparative study of the neutral proteinases from fungi and actinomycetes using polyacrylamide gel electrophoresis. Ansari H, et al. **Microbios** 1984;40(161-162):173-9

Intracellular localization of low and high calcium-requiring forms of calpain*. Murachi T, et al. **Prog Clin Biol Res** 1985;180:165-74

[Changes in proacrosin levels during preservation of ram semen] Srámek C, et al. **Vet Med (Praha)** 1985 Apr; 30(4):231-7 (Eng. Abstr.) **(Cze)**

[Ca2+-dependent protease (calpain) and its endogenous inhibitor (calpastatin) in murine spleen cells: quantitative change at lymphoproliferative response to mitogens] Nakayama N, et al. **Nippon Geka Hokan** 1984 Jan 1; 53(1):213-20 (Eng. Abstr.) **(Jpn)**

[Postsecretory change in pancreatic juice trypsinogen in the duodenum. III. Enterokinase-modification of its assay method and its physiological significance] Ishihara Y. **Nippon Shokakibyo Gakkai Zasshi** 1985 May;82(5):1380-8 (Eng. Abstr.) **(Jpn)**

[Lysyl endopeptidase] Soejima M, et al. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(13):1532-7 **(Jpn)**

[Internal homology in the primary structure of the polyprotein of the poliovirus: the possible existence of 2 viral proteinases] Blinov VM, et al. **Dokl Akad Nauk SSSR** 1985;281(4):984-7 **(Rus)**

[Enterokinase and alkaline phosphatase activity in children with hymenolepiasis and lambliasis] Baratov RD, et al. **Med Parazitol (Mosk)** 1984 Sep-Oct;(5):23-6 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Enkephalinase inhibition prevented tolerance to nitrous oxide analgesia in rats. Rupreht J, et al. **Acta Anaesthesiol Scand** 1984 Dec;28(6):617-620

On the teratogenesis of round-headed spermatozoa: investigations with antibodies against acrosin, an intraacrosomally located acrosin-inhibitor, and the outer acrosomal membrane. Flörke-Gerloff S, et al. **Andrologia** 1985 Mar-Apr;17(2):126-38

Inhibition of chymase activity by phosphoglycerides. Fukusen N, et al. **Arch Biochem Biophys** 1985 Feb 15; 237(1):118-23

Chemical modification of dipeptidyl peptidase iv: involvement of an essential tryptophan residue at the substrate binding site. Harada M, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):622-8

Sulfonate salts of amino acids: novel inhibitors of the serine proteinases. Groutas WC, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):90-3

Binding of the bidentate inhibitor [3H]HACBO-Gly to the rat brain neutral endopeptidase 'enkephalinase'. Waksman G, et al. **Biochem Biophys Res Commun** 1985 Aug 30; 131(1):262-8

Inhibition of cysteine proteinases and dipeptidyl peptidase I by egg-white cystatin. Nicklin MJ, et al. **Biochem J** 1984 Oct 1;223(1):245-53

Differential inhibition of two proteolytic activities in bovine lens neutral-proteinase preparations. Wagner BJ, et al. **Biochem J** 1985 Jun 1;228(2):517-9

EWARK PUBLIC LIBRARY

Active site directed N-carboxymethyl peptide inhibitors of a soluble metalloendopeptidase from rat brain. Chu TG, et al. **Biochemistry** 1984 Jul 31;23(16):3598-603

Reaction of serine proteases with substituted isocoumarins: discovery of 3,4-dichloroisocoumarin, a new general mechanism based serine protease inhibitor. Harper JW, et al. **Biochemistry** 1985 Apr 9;24(8):1831-41

Inhibition of aspartic proteases by pepstatin and 3-methylstatine derivatives of pepstatin. Evidence for collected-substrate enzyme inhibition. Rich DH, et al. **Biochemistry** 1985 Jun 18;24(13):3165-73

Purification of a high-molecular-weight inhibitor of the calcium-activated proteinase. Lepley RA, et al. **Biochim Biophys Acta** 1985 Mar 22;828(1):95-103

Tissue inhibitor of metalloproteinases. Identification of precursor forms synthesized by human fibroblasts in culture. Murphy G, et al. **Biochim Biophys Acta** 1985 Apr 17;839(2):214-8

Intestinal transmission of macromolecules (BSA and FITC-dextran) in the neonatal pig: enhancing effect of colostrum, proteins and proteinase inhibitors. Weström BR, et al. **Biol Neonate** 1985;47(6):359-66

Mutual inhibitory effect of calpastatins on calpains from carp muscle, carp erythrocytes and rat liver. Toyohara H, et al. **Comp Biochem Physiol [B]** 1985;81(3):579-81

Inhibition of substance P degradation in rat brain preparations by peptide hydroxamic acids. Laufer R, et al. **Eur J Biochem** 1985 Jul 1;150(1):135-40

Physical dependence produced by chronic intracerebroventricular infusion of [D-Arg]kyotorphin or thiorphan to rats. Bean AJ, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):333-7

Potentiation of the hypoglycemic effect of insulin by thiorphan, an enkephalinase inhibitor. Chipkin RE, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):151-4

Inhibitors of an enkephalin degrading membrane-bound metalloendopeptidase: analgesic properties and effects on striatal enkephalin levels. Murthy LR, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):305-13

Effect of bestatin and thiorphan on [Met5]enkephalin-Arg6-Phe7-induced analgesia. Reggiani A, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):361-4

Complete amino acid sequence of bovine colostrum low-Mr cysteine proteinase inhibitor. Hirado M, et al. **FEBS Lett** 1985 Jul 1;186(1):41-5

Human plasma kininogens are identical with alpha-cysteine proteinase inhibitors. Evidence from immunological, enzymological and sequence data. Müller-Esterl W, et al. **FEBS Lett** 1985 Mar 25;182(2):310-4

Purification of thiol protease inhibitor from human lung cancer tissue. Okumichi T, et al. **Hiroshima J Med Sci** 1984 Dec;33(4):801-8

Demonstration of a new acrosin inhibitor in human seminal plasma. Huhtala ML. **Hoppe Seylers Z Physiol Chem** 1984 Jul;365(7):819-25

Amino acid sequence of Streptomyces metallo-proteinase inhibitor from Streptomyces nigrescens TK-23. Murai H, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):173-80

Interaction between trypsin-like enzyme from Streptomyces erythraeus and chicken ovomucoid. Nagata K, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1041-9

Purification and characterization of an inhibitor of calcium-activated neutral protease from rabbit skeletal muscle: purification of 50,000-dalton inhibitor. Nakamura M, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1399-407

Inhibition of prolipoprotein signal peptidase by globomycin. Dev IK, et al. **J Biol Chem** 1985 May 25;260(10):5891-4

Inhibition of the serine proteases leukocyte elastase, pancreatic elastase, cathepsin G, and chymotrypsin by peptide boronic acids. Kettner CA, et al. **J Biol Chem** 1984 Dec 25;259(24):15106-14

Biosynthesis of tissue inhibitor of metalloproteinases by human fibroblasts in culture. Stimulation by 12-O-tetradecanoylphorbol 13-acetate and interleukin 1 in parallel with collagenase. Murphy G, et al. **J Biol Chem** 1985 Mar 10;260(5):3079-83

Intron structure of the human antithrombin III gene differs from that of other members of the serine protease inhibitor superfamily. Prochownik EV, et al. **J Biol Chem** 1985 Aug 15;260(17):9608-12

Synthesis and biological evaluation of phosphonamidate peptide inhibitors of enkephalinase and angiotensin-converting enzyme. Elliott RL, et al. **J Med Chem** 1985 Sep;28(9):1208-16

New bidentates as full inhibitors of enkephalin-degrading enzymes: synthesis and analgesic properties. Fournié-Zaluski MC, et al. **J Med Chem** 1985 Sep;28(9):1158-69

Pepstatin-derived inhibitors of aspartic proteinases. A close look at an apparent transition-state analogue inhibitor. Rich DH. **J Med Chem** 1985 Mar;28(3):263-73

Thiorphan and analogs: lack of correlation between potency to inhibit 'enkephalinase A' in vitro and analgesic potency in vivo. Mendelsohn LG, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):386-90

Inhibition of in-vitro fertilization of hamster oocytes by a thiol proteinase inhibitor. Ichikawa S, et al. **J Reprod Fertil** 1984 Nov;72(2):515-9

Enantiomers of [R,S]-thiorphan: dissociation of analgesia from enkephalinase A inhibition. Scott WL, et al. **Life Sci** 1985 Apr 1;36(13):1307-13

Effects of ES52, an enkephalinase inhibitor, on responses of ventrobasal thalamic neurons in rat. Kayser V, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1159-65

Extracts of human articular cartilage contain an inhibitor of tissue metalloproteinases. Dean DD, et al. **Prog Clin Biol Res** 1985;180:265-7

Role of endogenous proteinase inhibitors in the regulation of the blood clotting system of the horseshoe crab, Limulus polyphemus. Armstrong PB, et al. **Thromb Haemost** 1984 Oct 31;52(2):117-20

[Enkephalinase inhibitors and molecular study of the differences between active sites of enkephalinase and angiotensin-converting enzyme] Roques BP. **J Pharmacol** 1985;16 Suppl 1:5-31 (65 ref.) (Eng. Abstr.) **(Fre)**

[Thermitase--a thermostable serine protease. IV. Kinetic studies on the binding of N-acyl peptide ketones as substrate analog inhibitors] Fittkau S, et al. **Biomed Biochim Acta** 1984;43(7):887-99 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Proteins of the kidney microvillar membrane. Biosynthesis of endopeptidase-24.11, dipeptidylpeptidase IV and aminopeptidases N and A in pig kidney slices. Stewart JR, et al. **Biochem J** 1984 Dec 1;224(2):549-58

Overproduction of staphylokinase in Escherichia coli and its characterization. Sako T. **Eur J Biochem** 1985 Jun 18;149(3):557-63

[Various characteristics of growth kinetics and exohydrolase synthesis in Aspergillus foetidus and Zygofabospora marxiana] Astapovich NI, et al. **Mikrobiologiia** 1985 Mar-Apr;54(2):280-3 (Eng. Abstr.) **(Rus)**

[Production of milk-clotting enzymes by aerated submerged culture of a strain of Mucor mucedo] Handel M, et al. **Acta Cient Venez** 1984;35(2):111-5 (Eng. Abstr.) **(Spa)**

BLOOD

Dipeptidyl-amino-peptidase IV (DAP IV) activity in human T-cell subsets [letter] Dufer J, et al. **Acta Haematol (Basel)** 1984;72(3):213-4

Dipeptidyl peptidase IV and alpha-naphthylacetate esterase in human T lymphocytes: cytochemical and biochemical investigations. Schön E, et al. **Acta Histochem (Jena)** 1984;75(2):175-82

Rise in serum levels of PZ-peptidase, an enzyme involved in collagen breakdown, in human pregnancy and labor. Rajabi M, et al. **Am J Obstet Gynecol** 1984 Dec 1;150(7):821-6

Enkephalin-degrading dipeptidyl carboxypeptidase in guinea pig serum: its properties and action on bioactive peptides. Kase R, et al. **Arch Biochem Biophys** 1985 Jul;240(1):330-6

The reversible activation by Mn2+ ions of the Ca2+-requiring neutral proteinase of human erythrocytes. Pontremoli S, et al. **Arch Biochem Biophys** 1985 Jun;239(2):517-22

Binding to erythrocyte membrane is the physiological mechanism for activation of Ca2+-dependent neutral proteinase. Pontremoli S, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):331-8

Role of phospholipids in the activation of the Ca2+-dependent neutral proteinase of human erythrocytes. Pontremoli S, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):389-95

Evidence for heterodimeric nature of calpain molecules as studied by cross-linking modification. Hatanaka M, et al. **Biochem Int** 1985 Feb;10(2):187-93

Specific cleavage of calmodulin-binding proteins by low Ca2+-requiring form of Ca2+-activated neutral protease in human platelets. Kosaki G, et al. **Biochem Int** 1983 Jun;6(6):767-75

Reversible activation of human neutrophil calpain promoted by interaction with plasma membranes. Pontremoli S, et al. **Biochem Int** 1985 Jul;11(1):35-44

Fragmentation of a 70000-dalton calpastatin molecule upon its complex formation with calpain. Shigeta K, et al. **Biochem Int** 1984 Sep;9(3):327-33

Dipeptidyl peptidase IV of human lymphocytes. Evidence for specific hydrolysis of glycylproline p-nitroanilide in T-lymphocytes. Schön E, et al. **Biochem J** 1984 Oct 1;223(1):255-8

Kinetic mechanism for stimulation by monovalent cations of the amidase activity of the plasma protease bovine activated protein C. Steiner SA, et al. **Biochemistry** 1985 Jan 29;24(3):609-17

Purification and characterization of acid proteinase from human erythrocyte membranes. Yamamoto K, et al. **Biochim Biophys Acta** 1984 Nov 9;790(3):208-18

The activities and subcellular localisation of neutral proteinases in human monocytes and polymorphonuclear leucocytes. Davies M, et al. **Cell Mol Biol** 1984;30(4):337-43

Two molecular species of proline endopeptidase in human plasma: isolation and characterization. Soeda S, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):4061-9

Type III procollagen peptide and PZ-peptidase serum levels in pre-cirrhotic liver diseases. Morelli A, et al. **Clin Chim Acta** 1985 May 30;148(2):87-95

Detection and some properties of calpain II (high-Ca2+-requiring form of calpain) in carp (Cyprinus carpio) erythrocytes. Toyohara H, et al. **Comp Biochem Physiol [B]** 1985;81(3):583-6

Changes in serum pancreatic enzymes after hormonal stimulation in chronic pancreatitis. Lesi C, et al. **Dig Dis Sci** 1985 Jun;30(6):552-7

Collagenase-like peptidase activity in serum from patients with rheumatoid arthritis. Iwase-Okada K, et al. **Experientia** 1985 Apr 15;41(4):487-8

Increased plasma proteinase activity of mice bearing the BCL1 leukemia. Hart DA, et al. **Haemostasis** 1985;15(2):134-43

Dipeptidyl peptidase I of lymphocytes of the human peripheral blood. Lojda Z, et al. **Histochem J** 1985 May;17(5):538-40

Membrane endopeptidases of human neutrophil. Tsan MF, et al. **Inflammation** 1985 Jun;9(2):113-26

Enzyme immunoassay of calpain I and calpastatin and its application to the analysis of human erythrocyte hemolysate. Takano E, et al. **J Appl Biochem** 1984 Jun;6(3):117-25

Human erythrocyte membrane acid proteinase (EMAP): sidedness and relation to cathepsin D. Yamamoto K, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):821-30

Substance P in human plasma is degraded by dipeptidyl peptidase IV, not by cholinesterase. Nausch I, et al. **J Neurochem** 1985 May;44(5):1354-7

A dual role for the Ca2+-requiring proteinase in the degradation of hemoglobin by erythrocyte membrane proteinases. Pontremoli S, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6714-7

Human erythrocyte Ca2+-dependent neutral proteinase. New approaches to the understanding of the physiological function. Pontremoli S, et al. **Prog Clin Biol Res** 1985;180:127-40

[Diagnostic values of serum concentration of the type III procollagen N-terminal peptide in gastric cancer] Akazawa S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Aug;81(8):1742-9 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

Characterization of substance P(1-7) and (1-8) generating enzyme in human cerebrospinal fluid. Nyberg F, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):244-50

[Determination of dipeptidyl aminopeptidase activities in the cerebrospinal fluid] Kallenbach W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 May;36(5):295-302 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Names and numbers of papaya proteinases [letter] Barrett AJ, et al. **Biochem J** 1985 Jun 1;228(2):527

DEFICIENCY

A mild form of ovine dermatosparaxis. Ramshaw JA. **Coll Relat Res** 1984 Dec;4(6):441-51

Primary intestinal enteropeptidase deficiency. Green JR, et al. **J Pediatr Gastroenterol Nutr** 1984 Sep;3(4):630-3

DIAGNOSTIC USE

Removal of viable sheets of conjunctival epithelium with dispase II. Geggel HS, et al. **Invest Ophthalmol Vis Sci** 1985 Jan;26(1):15-22

Dissociation of neonatal rat brain by dispase for preparation of primary astrocyte cultures. Frangakis MV, et al. **Neurochem Res** 1984 Dec;9(12):1689-98

[Use of a semipurified fraction of Trypanosoma cruzi proteinase in the immunodiagnosis of Chagas' disease] Atta AM, et al. **Rev Saude Publica** 1984 Dec;18(6):487-90 (Eng. Abstr.) **(Por)**

GENETICS

Cloning and expression of a Streptococcus cremoris proteinase in Bacillus subtilis and Streptococcus lactis. Kok J, et al. **Appl Environ Microbiol** 1985 Jul;50(1):94-101

Production of abnormal proteins in E. coli stimulates transcription of lon and other heat shock genes. Goff SA, et al. **Cell** 1985 Jun;41(2):587-95

Evolution of the proteases of blood coagulation and fibrinolysis by assembly from modules. Patthy L. **Cell** 1985 Jul;41(3):657-63 (58 ref.)

A developmentally regulated cysteine proteinase in Dictyostelium discoideum. Williams JG, et al. **EMBO J** 1985 Apr;4(4):999-1006

Physical characterization of the cloned protease III gene from Escherichia coli K-12. Dykstra CC, et al. **J Bacteriol** 1985 Sep;163(3):1055-9

Construction of a Bacillus subtilis double mutant deficient in extracellular alkaline and neutral proteases. Kawamura F, et al. **J Bacteriol** 1984 Oct;160(1):442-4

Nucleotide sequence and promoter region for the neutral protease gene from Bacillus stearothermophilus. Takagi M, et al. **J Bacteriol** 1985 Sep;163(3):824-31

Genes for alkaline protease and neutral protease from Bacillus amyloliquefaciens contain a large open reading frame between the regions coding for signal sequence and mature protein. Vasantha N, et al. **J Bacteriol** 1984 Sep;159(3):811-9

Cloning of the neutral protease gene of Bacillus subtilis and the use of the cloned gene to create an in vitro-derived deletion mutation. Yang MY, et al. **J Bacteriol** 1984 Oct;160(1):15-21

Characterization of the lep operon of Escherichia coli.

Identification of the promoter and the gene upstream of the signal peptidase I gene. March PE, et al. **J Biol Chem** 1985 Jun 25;260(12):7206–13

Identification of prolipoprotein signal peptidase and genomic organization of the lsp gene in Escherichia coli. Tokunaga M, et al. **J Biol Chem** 1985 May 10;260(9):5610–5

Evolutionary origin of a calcium–dependent protease by fusion of genes for a thiol protease and a calcium–binding protein? Ohno S, et al. **Nature** 1984 Dec 6–12; 312(5994):566–70

Exon shuffling and intron insertion in serine protease genes [news] Rogers J. **Nature** 1985 Jun 6–12;315(6019):458–9

Sequence analysis of three Sindbis virus mutants temperature–sensitive in the capsid protein autoprotease. Hahn CS, et al. **Proc Natl Acad Sci USA** 1985 Jul; 82(14):4648–52

Expression of the Mep–1 gene regulating meprin, a kidney brush border proteinase. Beynon RJ, et al. **Prog Clin Biol Res** 1985;180:185–94

IMMUNOLOGY

A serine proteinase as a 'trigger' for human natural killer lymphocyte–mediated cytolysis. Hudig D, et al. **Adv Exp Med Biol** 1985;184:271–80

Interleukin 2 production by human T lymphocytes identified by antibodies to dipeptidyl peptidase IV. Scholz W, et al. **Cell Immunol** 1985 Jun;93(1):199–211

Immunological detection of a cysteine protease in the skin and other tissues. Fukuyama K, et al. **Cell Tissue Res** 1985; 240(2):417–23

Skin testing in chymopapain anaphylaxis. Cogen FC, et al. **J Allergy Clin Immunol** 1985 Jun;75(6):728–30

Reactivity of IgE and IgG serum levels to chymopapain after chemonucleolysis. Sagona MA, et al. **J Allergy Clin Immunol** 1985 Jun;75(6):659–62

Clinical significance of anti–streptococcal esterase (ASE) determination in rheumatic fever and other streptococcal diseases. Fujikawa S, et al. **Jpn Circ J** 1984 Dec; 48(12):1330–3

Antistreptococcal esterase distribution in healthy individuals. Igari J, et al. **Jpn Circ J** 1984 Dec;48(12):1334–7

Study on serum antistreptococcal esterase among school children. Takeuchi T, et al. **Jpn Circ J** 1984 Dec; 48(12):1325–9

A preoperative chymopapain sensitivity test for chemonucleolysis candidates. Tsay YG, et al. **Spine** 1984 Oct;9(7):764–8

ISOLATION & PURIFICATION

An enterokinase in the gut of pharate adult of Glossina morsitans morsitans Westwood (Diptera: Glossinidae). Vundla RM, et al. **Acta Trop (Basel)** 1985 Mar;42(1):79–85

Ram proacrosin. A simple method for isolation of proacrosin free of inhibitors, and proacrosin autoactivation studies. Cechová D, et al. **Andrologia** 1984 Sep–Oct;16(5):477–81

Atrial tissue contains a metallo dipeptidyl carboxyhydrolase not present in ventricular tissue: partial purification and characterization. Harris RB, et al. **Arch Biochem Biophys** 1984 Sep;233(2):667–75

Purification and characterization of a rat liver cytosol neutral thiol peptidase that degrades glucagon, insulin, and isolated insulin A and B chains. Shroyer LA, et al. **Arch Biochem Biophys** 1985 Jan;236(1):205–19

A new alkaline elastase of an alkalophilic bacillus. Tsai YC, et al. **Biochem Int** 1983 Nov;7(5):577–83

Purification of a neutral proteinase, associated with the actomyosin complex, from uterine myometrium. Barth R, et al. **Biochem J** 1984 Sep 15;222(3):613–20

Purification of a calcium–activated neutral proteinase from human placenta. Kubota S, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):379–83

Purification and immunological characterisation of two calcium–activated neutral proteinases from rabbit skeletal muscle. Penny IF, et al. **Biochim Biophys Acta** 1985 Jun 10;829(2):244–52

Proteinase K from Tritirachium album limber. I. Molecular mass and sequence around the active site serine residue. Jany KD, et al. **Biol Chem Hoppe Seyler** 1985 May; 366(5):485–92

Identification and preliminary characterization of two distinct bovine seminal Pz–peptidases. Lessley BA, et al. **Biol Reprod** 1984 Sep;31(2):353–69

Purification and characterization of a chymosinlike protease from the gastric mucosa of harp seal (Pagophilus groenlandicus). Shamsuzzaman K, et al. **Can J Biochem Cell Biol** 1984 Aug;62(8):699–708

Affinity chromatography of alkaline proteinase S on N–carbobenzoxyglycylleucylaminohexyl–Sepharose. Inouye Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct; 32(10):4036–42

Affinity chromatography of neutral metalloendopeptidase produced by Streptomyces griseoruber on N–benzyloxycarbonylglycylleucylaminohexylamino–Seph Inouye Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Nov; 32(11):4532–8

Purification of a type V collagen degrading metalloproteinase from rabbit alveolar macrophages. Mainardi CL, et al. **Coll Relat Res** 1984 Dec;4(6):479–92

Identity of calcium–activated neutral proteases from rabbit cardiac and skeletal muscle. Ohsumi M, et al. **Comp Biochem Physiol [B]** 1984;79(4):643–6

Purification and properties of carp (Cyprinus carpio) muscle calpain II (high–Ca2+–requiring form of calpain). Toyohara H, et al. **Comp Biochem Physiol [B]** 1985; 81(3):573–8

Purification and partial characterization of the extracellular gamma–D–glutamyl–(L)meso–diaminopimelate endopeptidase I, from Bacillus sphaericus NCTC 9602. Garnier M, et al. **Eur J Biochem** 1985 May 2;148(3):539–43

Isolation and characterization of dipeptidyl peptidase IV from human meconium. Functional role of beta–casomorphins. Caporale C, et al. **FEBS Lett** 1985 May 20;184(2):273–7

Rapid purification of calcium–activated protease by calcium–dependent hydrophobic–interaction chromatography. Gopalakrishna R, et al. **FEBS Lett** 1985 Jul 8;186(2):246–50

Isolation of two forms of the high–molecular–mass serine protease, ingensin, from porcine skeletal muscle. Ishiura S, et al. **FEBS Lett** 1985 Sep 9;189(1):119–23

Acid proteases from the yolk and the yolk–sac of the hen's egg. Purification, properties and identification as cathepsin D. Wouters J, et al. **Int J Biochem** 1985;17(3):405–13

Mammalian signal peptidase: partial purification and general characterization of the signal peptidase from microsomal membranes of porcine pancreas. Fujimoto Y, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1125–31

Purification and characterization of a calcium–activated neutral protease from monkey brain and its action on neuropeptides. Hirao T, et al. **J Biochem (Tokyo)** 1984 Sep; 96(3):775–84

Purification and some properties of a membrane–bound dipeptidyl peptidase IV of guinea pig casein–induced intraperitoneal leukocytes. Kudo M, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1211–8

Partial purification of a metalloprotease catalyzing the processing of adrenodoxin precursor in bovine adrenal cortex mitochondria. Sagara Y, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1743–52

Proteinase yscD. Purification and characterization of a new yeast peptidase. Achstetter T, et al. **J Biol Chem** 1985 Apr 25;260(8):4585–90

Proteolysis in eukaryotic cells. Proteinase yscE, a new yeast peptidase. Achstetter T, et al. **J Biol Chem** 1984 Nov 10; 259(21):13344–8

The somatostatin–28 convertase of rat brain cortex is associated with secretory granule membranes. Gomez S, et al. **J Biol Chem** 1985 Sep 5;260(19):10541–5

The preparation and properties of the catalytic subunit of bovine enterokinase. Light A, et al. **J Biol Chem** 1984 Nov 10;259(21):13195–8

Purification and characterization of a paired basic residue–specific pro–opiomelanocortin converting enzyme from bovine pituitary intermediate lobe secretory vesicles. Loh YP, et al. **J Biol Chem** 1985 Jun 25;260(12):7194–205

Purification and characterization of an elastinolytic proteinase secreted by cercariae of Schistosoma mansoni. McKerrow JH, et al. **J Biol Chem** 1985 Mar 25; 260(6):3703–7

Enkephalinase from rat kidney. Purification, characterization, and study of substrate specificity. Malfroy B, et al. **J Biol Chem** 1984 Dec 10;259(23):14365–70

Purification and characterization of a cytosol protease from dormant cysts of the brine shrimp Artemia. Warner AH, et al. **J Biol Chem** 1985 Jun 10;260(11):7008–14

Isolation and characterization of heat stable proteinases from Pseudomonas isolate AFT 21. Stepaniak L, et al. **J Dairy Res** 1985 Feb;52(1):77–89

Glycylprolyl dipeptidylaminopeptidase from Bacteroides gingivalis. Abiko Y, et al. **J Dent Res** 1985 Feb;64(2):106–11

Purification and properties of aminoendopeptidase from rat epidermis. Ito Y, et al. **J Invest Dermatol** 1984 Oct; 83(4):265–9

Characterization and partial purification of a neutral protease from the serum of a patient with autosomal recessive pulmonary emphysema and cutis laxa. Anderson LL, et al. **J Lab Clin Med** 1985 May;105(5):537–46

Partial purification and characterization of a proteoglycan–degrading neutral protease from bovine epiphyseal cartilage. Ehrlich MG, et al. **J Orthop Res** 1984; 2(2):126–33

O beta–(N–acetyl–alpha–glucosamine–1–phosphoryl)serine in proteinase I from Dictyostelium discoideum. Gustafson GL, et al. **Methods Enzymol** 1984;107:172–83

Purification and inactivation of the factor X activator of Russell's viper venom with monoclonal antibodies. Pukrittayakamee S, et al. **Mol Biol Med** 1983 Jul; 1(1):123–35

Proenkephalin processing enzyme with specificity toward paired basic residues purified from bovine adrenal chromaffin granules. Mizuno K, et al. **Neuropeptides** 1985 Feb;5(4–6):489–92

Purification and properties of human placental dipeptidyl peptidase IV. Mizutani S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 May; 37(5):769–75

Purification and properties of a human placental post–proline endopeptidase. Sumi S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct; 36(10):1943–51

Enzymes in placental microvilli: angiotensin I converting enzyme, angiotensinase A, carboxypeptidase, and neutral endopeptidase ('enkephalinase'). Johnson AR, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):789–96

High molecular mass cysteine proteinases from rat skeletal muscle tissue. Dahlmann B, et al. **Prog Clin Biol Res** 1985; 180:221–3

Calcium–dependent proteases from liver and heart. DeMartino GN, et al. **Prog Clin Biol Res** 1985;180:117–26

Cathepsin J: a high molecular weight cysteine proteinase from human tissues. Liao JC, et al. **Prog Clin Biol Res** 1985;180:225–7

Sulphydryl–dependent enzymes from African trypanosomes. Lonsdale–Eccles JD. **Prog Clin Biol Res** 1985;180:229–31

A leupeptin inactivating enzyme from rat liver. Place GA, et al. **Prog Clin Biol Res** 1985;180:269–71

Structure and function of lysosomal cysteine proteinases and their protein inhibitors. Turk V, et al. **Prog Clin Biol Res** 1985;180:91–103

Purification and partial characterization of an exocellular proteinase from Trichophyton rubrum. Sanyal AK, et al. **Sabouraudia** 1985 Jun;23(3):165–78

Clotting enzyme activity derived from the coelomocytes of the sea star Asterias forbesi. Marcum JA, et al. **Thromb Haemost** 1984 Aug 31;52(1):1–3

[Comparative histochemical studies of the localization of esteroproteases and enzymes with kallikrein–like activity in the salivary glands of rats and monkeys] Arnold WH. **Acta Histochem [Suppl] (Jena)** 1985;31:211–9 **(Ger)**

[Dipeptidyl peptidase IV. Purification for use in peptide sequencing] Gonschor H, et al. **Biol Chem Hoppe Seyler** 1985 Feb;366(2):157–65 (Eng. Abstr.) **(Ger)**

[Acid proteinase from the roe of the trout Salmo gairdneri R.] Nemova NN, et al. **Ukr Biokhim Zh** 1985 May–Jun; 57(3):22–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Proteinase pattern in Trametes versicolor in response to carbon and nitrogen starvation. Staszczak M, et al. **Acta Biochim Pol** 1984;31(4):431–7

Hydrolytic ability of acid protease of Fusarium culmorum and its possible role in phytopathogenesis. Urbanek H, et al. **Acta Microbiol Pol** 1984;33(2):131–6

Distribution of dipeptidyl peptidase II (Dpp II) in rat spinal cord. Gorenstein C, et al. **Am J Anat** 1985 May; 173(1):29–41

Neutral metalloendopeptidase in human lung tissue and cultured cells. Johnson AR, et al. **Am Rev Respir Dis** 1985 Sep;132(3):564–8

A highly sensitive fluorometric assay for 'enkephalinase,' a neutral metalloendopeptidase that releases tyrosine–glycine–glycine from enkephalins. Florentin D, et al. **Anal Biochem** 1984 Aug 15;141(1):62–9

Quantitation of the endopeptidase activity generating gamma–endorphin from beta–endorphin in rat brain synaptic membranes by a radiometric assay. Lebouille JL, et al. **Anal Biochem** 1984 Aug 15;141(1):1–9

A sensitive and specific assay for dipeptidyl–aminopeptidase II in serum and tissues by liquid chromatography–fluorometry. Nagatsu T, et al. **Anal Biochem** 1985 May 15;147(1):80–5

Proteinases and proteinase inhibition by cytotoxic and antimetastatic drugs in transplantable solid metastasizing tumors in mice. Giraldi T, et al. **Anticancer Res** 1985 Jul–Aug;5(4):355–9

Evidence for multiple catalytic sites of human acrosin from kinetic evaluation of fructose–induced acrosin inhibition. Anderson RA Jr, et al. **Arch Biochem Biophys** 1985 Sep; 241(2):509–20

Chymotrypsin– and trypsin–type serine proteases in rat mast cells: properties and functions. Kido H, et al. **Arch Biochem Biophys** 1985 Jun;239(2):436–43

Reconstitution of calpain I and calpain II from their subunits: interchangeability of the light subunits. Kikuchi T, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):639–45

Peptide products of the cleavage of bovine preprolactin by signal peptidase. Stern JB, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):244–52

Serine proteases and thiol–proteinases activities during induction of experimental mammary carcinoma in the rat. Benítez–Bribiesca L, et al. **Arch Invest Med (Mex)** 1984 Oct–Dec;15(4):363–87 **(Eng, Spa)**

Human rheumatoid arthritic cartilage and its neutral proteoglycan–degrading proteases. The effects of antirheumatic drugs. Martel–Pelletier J, et al. **Arthritis Rheum** 1985 Apr;28(4):405–12

Ca overload and the action of calcium sensitive proteases, phospholipases and prostaglandin E2 in myocardial cell degradation. Toyo–oka T, et al. **Basic Res Cardiol** 1985 May–Jun;80(3):303–15

Dipeptidyl–aminopeptidases and aminopeptidases in Dictyostelium discoideum. Chan SA, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):962–8

In vivo and in vitro evidence for the involvement of cysteine proteinases in bone resorption. Delaissé JM, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):441–7

Neuropeptide processing by single–step cleavage: conversion of leumorphin (dynorphin B–29) to dynorphin B. Devi L, et al. **Biochem Biophys Res Commun** 1985 Aug 15; 130(3):1168–76

Serine proteinase activation of latent human skin collagenase. Eisenberg M, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):279–85

Susceptibility of platelet alpha–actinin to a Ca2+–activated neutral protease. Gache Y, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):877-81

The somatostatin-28 convertase of rat brain cortex generates both somatostatin-14 and somatostatin-28. Gluschankof P, et al. **Biochem Biophys Res Commun** 1985 May 16; 128(3):1051-7

gamma-Endorphin generating endopeptidase in rat brain: subcellular and regional distribution. Lebouille JL, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):44-8

Comparison of dipeptidyl carboxypeptidase and endopeptidase activities in the three enkephalin-hydrolysing metallopeptidases: 'angiotensin-converting enzyme', thermolysin and 'enkephalinase'. Malfroy B, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):372-8

A putative prohormone processing protease in bovine adrenal medulla specifically cleaving in between Lys-Arg sequences. Mizuno K, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):884-91

Phosphorylation of microsomal HMG CoA reductase increases susceptibility to proteolytic degradation in vitro. Parker RA, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):629-35

Inactivation of bradykinin and kallidin by cathepsin G and mast cell chymase. Reilly CF, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):443-9

Detection and characterization of a selective endopeptidase from Plasmodium berghei by using fluorogenic peptidyl substrates. Schrével J, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):703-10

A new serine protease which preferentially recognizes p-guanidino-L-phenylalanyl residue in ascitic plasma from Ehrlich ascites tumor-bearing mice. Tsunematsu H, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1233-8

Characterization of calcium-activated neutral protease (CANP)-associated protein kinase from bovine brain and its phosphorylation of neurofilaments. Zimmerman UJ, et al. **Biochem Biophys Res Commun** 1985 Jun 28; 129(3):804-11

Oscillation of enzyme networks in spleen triggered by an immunopotentiator, bestatin. Aoyagi T, et al. **Biochem Int** 1984 Oct;9(4):405-11

Comparative resonance Raman spectroscopic and kinetic studies of acyl-enzymes involving papain, actinidin and papaya peptidase II. Brocklehurst K, et al. **Biochem J** 1984 Nov 1;223(3):649-57

Proteinase from germinating bean cotyledons. Evidence for involvement of a thiol group in catalysis. Csoma C, et al. **Biochem J** 1984 Sep 15;222(3):769-76

Activation of the multicatalytic proteinase from rat skeletal muscle by fatty acids or sodium dodecyl sulphate. Dahlmann B, et al. **Biochem J** 1985 May 15;228(1):171-7

Purification and characterization of a multicatalytic high-molecular-mass proteinase from rat skeletal muscle. Dahlmann B, et al. **Biochem J** 1985 May 15;228(1):161-70

The metabolism of neuropeptides. Endopeptidase-24.11 in human synaptic membrane preparations hydrolyses substance P. Matsas R, et al. **Biochem J** 1985 Jun 1; 228(2):487-92

The metabolism of neuropeptides. The hydrolysis of peptides, including enkephalins, tachykinins and their analogues, by endopeptidase-24.11. Matsas R, et al. **Biochem J** 1984 Oct 15;223(2):433-40

A general framework of cysteine-proteinase mechanism deduced from studies on enzymes with structurally different analogous catalytic-site residues Asp-158 and -161 (papain and actinidin), Gly-196 (cathepsin B) and Asn-165 (cathepsin H). Kinetic studies up to pH 8 of the hydrolysis of N-alpha-benzyloxycarbonyl-L-arginyl-L-arginine 2-naphthylamide catalysed by cathepsin B and of L-arginine 2-naphthylamide catalysed by cathepsin H. Willenbrock F, et al. **Biochem J** 1985 Apr 15;227(2):521-8

The role of alkaline protease in the development of cardiac lesions in myopathic hamsters: effect of verapamil treatment. Kuo TH, et al. **Biochem Med** 1984 Oct; 32(2):207-15

Hormonal and drug effects on the degradation of human myelin basic protein peptide 43-88 by alkaline proteolytic activity in the rat kidney. Trestman RL, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1231-7

The ATP-dependent breakdown of proteins in mammalian mitochondria. Desautels M, et al. **Biochem Soc Trans** 1985 Apr;13(2):290-3

Endopeptidase-24.11: a cell-surface enzyme for metabolizing regulatory peptides. Kenny AJ, et al. **Biochem Soc Trans** 1985 Apr;13(2):293-5

Cysteine proteinases of cellular slime moulds. North MJ. **Biochem Soc Trans** 1985 Apr;13(2):288-90

The active site of endopeptidase-24.11: substrate and inhibitor studies. Pozsgay M, et al. **Biochem Soc Trans** 1985 Feb;13(1):44-7

Endopeptidase-24.11 and neuropeptide metabolism. Turner AJ, et al. **Biochem Soc Trans** 1985 Feb;13(1):39-42

Proteinases, proteolysis and regulation in yeast. Wolf DH. **Biochem Soc Trans** 1985 Apr;13(2):279-83

Nucleotide-induced changes in the proteolytically sensitive regions of myosin subfragment 1. Applegate D, et al. **Biochemistry** 1984 Sep 25;23(20):4779-84

Mechanism of action of cysteine proteinases: oxyanion binding site is not essential in the hydrolysis of specific substrates. Asbóth B, et al. **Biochemistry** 1985 Jan 29; 24(3):606-9

Sequential cleavage of type I procollagen by procollagen N-proteinase. An intermediate containing an uncleaved pro alpha 1(I) chain. Berger J, et al. **Biochemistry** 1985 Jan 29;24(3):600-5

Cryoenzymology of penicillopepsin; with an appendix: mechanism of action of aspartyl proteinases. Hofmann T, et al. **Biochemistry** 1984 Oct 23;23(22):5247-56

Proteolysis of smooth muscle myosin by Staphylococcus aureus protease: preparation of heavy meromyosin and subfragment 1 with intact 20 000-dalton light chains. Ikebe M, et al. **Biochemistry** 1985 Apr 23;24(9):2380-7

Binding of N-carboxymethyl dipeptide inhibitors to thermolysin determined by X-ray crystallography: a novel class of transition-state analogues for zinc peptidases. Monzingo AF, et al. **Biochemistry** 1984 Nov 20; 23(24):5724-9

Processing of preproteins by liposomes bearing leader peptidase. Ohno-Iwashita Y, et al. **Biochemistry** 1984 Dec 4;23(25):6178-84

Mammalian chymotrypsin-like enzymes. Comparative reactivities of rat mast cell proteases, human and dog skin chymases, and human cathepsin G with peptide 4-nitroanilide substrates and with peptide chloromethyl ketone and sulfonyl fluoride inhibitors. Powers JC, et al. **Biochemistry** 1985 Apr 9;24(8):2048-58

An alkaline thiol proteinase in the liver mitochondria of bullfrog, Rana catesbeiana. Goto Y, et al. **Biochim Biophys Acta** 1985 Jul 1;829(3):371-6

Depth of side-chain pocket in the S2 subsite of dipeptidyl peptidase IV. Harada M, et al. **Biochim Biophys Acta** 1985 Aug 23;830(3):341-4

Reconstitution of purified dipeptidyl peptidase IV. A comparison with aminopeptidase N with respect to morphology and influence of anchoring peptide on function. Hussain MM. **Biochim Biophys Acta** 1985 May 14;815(2):306-12

Specificity of hemorrhagic proteinase from Crotalus atrox (western diamondback rattlesnake) venom. Komori Y, et al. **Biochim Biophys Acta** 1985 May 20;829(1):127-30

Hormone-responsive alkaline proteinase in rat skeletal muscle is not a mast cell-derived enzyme. Mayer M, et al. **Biochim Biophys Acta** 1985 May 30;845(2):292-7

Purification and characterization of two distinct Ca2+-activated proteinases from hearts of hypertensive rats. Spalla M, et al. **Biochim Biophys Acta** 1985 Aug 23; 830(3):258-66

Endogenous proteinases modulate the function of the beta-adrenergic receptor-adenylate cyclase system. Stiles GL, et al. **Biochim Biophys Acta** 1984 Dec 20;802(3):390-8

The proteolytic activities of chymopapain, papain, and papaya proteinase III. Zucker S, et al. **Biochim Biophys Acta** 1985 Apr 5;828(2):196-204

Discrete hypothalamic distribution of luteinizing hormone-releasing hormone (LHRH) content and of LHRH-degrading activity in laying and nonlaying hens. Advis JP, et al. **Biol Reprod** 1985 May;32(4):820-7

Evaluation of the human sperm proacrosin-acrosin system using gelatin-sodium dodecyl sulfate-polyacrylamide gel electrophesis. Siegel MS, et al. **Biol Reprod** 1985 Apr; 32(3):713-20

The dipeptidyl peptidase IV, a membrane enzyme involved in the proliferation of T lymphocytes. Schön E, et al. **Biomed Biochim Acta** 1985;44(2):K9-15

Stereoelectronic control in peptide bond formation. Ab initio calculations and speculations on the mechanism of action of serine proteases. Gorenstein DG, et al. **Biophys J** 1984 Dec;46(6):749-61

Cleavage and activation of human factor IX by serine proteases. Enfield DL, et al. **Blood** 1984 Oct;64(4):821-31

Cytochemistry of dipeptidylaminopeptidase IV and II in normal and neoplastic lymphoid cells. Invernizzi R, et al. **Blut** 1985 May;50(5):277-85

Role for different cell proteinases in cancer invasion and cytolysis. Zucker S, et al. **Br J Cancer** 1985 Aug; 52(2):223-32

The molecular and cellular interactions involved in connective tissue destruction. Reynolds JJ. **Br J Dermatol** 1985 Jun;112(6):715-23 (40 ref.)

Proteinase-like peptidase activities in malignant and non-malignant gastric tissue. Vasishta A, et al. **Br J Surg** 1985 May;72(5):386-8

Ca2+-activated protease activity in frog sciatic nerve: characterization and effect on rapidly transported axonal proteins. Kanje M, et al. **Brain Res** 1985 Feb 18; 327(1-2):29-36

Regional distribution of soluble calcium activated proteinase activity in neonatal and adult rat brain. Simonson L, et al. **Brain Res** 1985 Feb 18;327(1-2):153-9

Properties of Suc-GPLGP-MCAase and dipeptidyl-aminopeptidase in mouse calvaria-derived osteoblastic cells (MC3T3-E1). Chikuma T, et al. **Calcif Tissue Int** 1985 Mar;37(2):183-8

Experimental studies of the pathogenesis of infections owing to Pseudomonas aeruginosa: elastase, an IgG protease. Holder IA, et al. **Can J Microbiol** 1984 Sep;30(9):1118-24

The contribution of exoproducts to virulence of Pseudomonas aeruginosa. Nicas TI, et al. **Can J Microbiol** 1985 Apr;31(4):387-92

Cysteine proteinases and metastasis. Sloane BF, et al. **Cancer Metastasis Rev** 1984;3(3):249-63 (124 ref.)

Dipeptidyl peptidase IV as a new surface marker for a subpopulation of human T-lymphocytes. Mentlein R, et al. **Cell Immunol** 1984 Nov;89(1):11-9

Catalytically active enterokinase in human bile. Grant DA, et al. **Clin Chim Acta** 1984 Sep 15;142(1):39-45

Calcium-activated neutral protease from muscle and platelets of Duchenne muscular dystrophy cases. Rabbani N, et al. **Clin Chim Acta** 1984 Nov 15;143(2):163-8

Isorenin in dog brain and other tissues. Husain A, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):1795-9

Angiotensin-converting enzyme, enkephalinase A and aminopeptidases in the breakdown of enkephalin—studies in cell cultures. Lentzen H, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):1829-32

Cathepsin B-like cysteine proteinase activity in sputum and bronchoalveolar lavage samples: relationship to inflammatory cells and effects of corticosteroids and antibiotic treatment. Burnett D, et al. **Clin Sci** 1985 Apr; 68(4):469-74

Enzymatic digestion of human plasma inter-alpha-trypsin inhibitor by snake venom metalloproteinases. Catanese JJ, et al. **Comp Biochem Physiol [B]** 1985;80(3):507-12

Comparison of muscle proteinase activity among fish species. Makinodan Y, et al. **Comp Biochem Physiol [B]** 1984; 79(2):129-34

Release of plasminogen activator and a calcium-dependent metalloprotease from cultured sympathetic and sensory neurons. Pittman RN. **Dev Biol** 1985 Jul;110(1):91-101

Displacement of endogenous enterokinase into portal venous blood and bile following luminal perfusion of proximal small intestine in guinea pigs. Talbot RW, et al. **Dig Dis Sci** 1984 Nov;29(11):1009-14

Hormone processing and membrane-bound proteinases in yeast. Achstetter T, et al. **EMBO J** 1985 Jan;4(1):173-7

Soluble metalloendopeptidase from rat brain: action on enkephalin-containing peptides and other bioactive peptides. Chu TG, et al. **Endocrinology** 1985 Apr; 116(4):1418-25

Thyroxine (T4) release from thyroglobulin and its T4-containing peptide by thyroid thiol proteases. Nakagawa H, et al. **Endocrinology** 1985 Apr;116(4):1433-9

Lysosomal digestion of thyroglobulin: role of cathepsin D and thiol proteases. Yoshinari M, et al. **Endocrinology** 1985 Oct;117(4):1621-31

A calcium-dependent protease associated with the neural cytoskeleton. Purification and partial characterisation. Ishizaki Y, et al. **Eur J Biochem** 1985 Jan 15;146(2):331-7

Immunocytochemical localization of acrosin and hyaluronidase in epididymal and ejaculated porcine spermatozoa. de Vries JW, et al. **Eur J Cell Biol** 1985 May; 37:81-8

Changes during aging in rat lens endopeptidase activity. Fleshman KR, et al. **Exp Eye Res** 1984 Nov;39(5):543-51

Identification of low-Ca2+- and high-Ca2+-requiring neutral proteases in rat retina. Tsung PK, et al. **Exp Eye Res** 1985 Jul;41(1):97-103

Lens neutral proteinase preparations hydrolyze glutamoyl bonds [letter] Wagner BJ, et al. **Exp Eye Res** 1985 Jun; 40(6):879-82

Haematoloechus medioplexus: light and electron microscope localization of dipeptidyl aminopeptidases I and II in the gastrodermis. Bogitsh BJ. **Exp Parasitol** 1985 Jun; 59(3):300-6

Strongyloides ransomi: proteolytic enzymes from larvae. Dresden MH, et al. **Exp Parasitol** 1985 Apr;59(2):257-63

Schistosoma japonicum: biochemistry and cytochemistry of dipeptidyl aminopeptidase-II-like activity in adults. Kramer JD, et al. **Exp Parasitol** 1985 Oct;60(2):163-70

Trichomonas vaginalis, Tritrichomonas foetus, and Trichomitus batrachorum: comparative proteolytic activity. Lockwood BC, et al. **Exp Parasitol** 1984 Dec; 58(3):245-53

Reversible interaction between Ca2+-activated neutral protease (CANP) and its endogenous inhibitor. Imajoh S, et al. **FEBS Lett** 1985 Jul 22;187(1):47-50

Degradation of alpha-actinin during Ca2+-sensitive proteolysis of myofibrils. Kulesza-Lipka D, et al. **FEBS Lett** 1985 Aug 5;187(2):354-8

Endopeptidase-24.11 and aminopeptidase activity in brain synaptic membranes are jointly responsible for the hydrolysis of cholecystokinin octapeptide (CCK-8). Matsas R, et al. **FEBS Lett** 1984 Sep 17;175(1):124-8

Protease activity in fibromyoma and normal human myometrium. Milwidsky A, et al. **Gynecol Obstet Invest** 1984;18(5):230-3

Cancer cell procoagulants and their pharmacological modulation. Donati MB, et al. **Haemostasis** 1984; 14(5):422-9 (34 ref.)

Decreased lysosomal protease content of skeletal muscles from streptozotocin-induced diabetic rats: a biochemical and histochemical study. Stauber WT, et al. **Histochem J** 1985 May;17(5):613-22

Electron cytochemical reaction for dipeptidyl aminopeptidase in the yeast Saccharomyces cerevisiae. Vořišek J, et al. **Histochem J** 1985 May;17(5):535-7

Maleate effects on kidney peptidases and proteinuria of male and female rats. Histochemical and biochemical studies. Asan E, et al. **Histochemistry** 1985;82(1):81-92

Histochemical demonstration of exopeptidases in the rat visceral yolk-sac epithelium. Kugler P, et al. **Histochemistry** 1985;82(4):397-400

A new metalloproteinase from Pseudomonas fluorescens biotype I. Diermayr P, et al.

EWARK PUBLIC LIBRAR

Hoppe Seylers Z Physiol Chem 1984 Nov;365(11):1345–50

Reversible change in the fibroblast lysosomal enzyme dipeptidyl aminopeptidase-1 (cathepsin C) related to the commercial source of fetal bovine serum in the culture medium. Doughty MJ, et al. **In Vitro Cell Dev Biol** 1985 Jun;21(6):340–6

Mammalian metalloendopeptidases. Bond JS, et al. **Int J Biochem** 1985;17(5):565–74 (77 ref.)

Characterization of proline endopeptidase from skeletal muscle. Daly DJ, et al. **Int J Biochem** 1985;17(4):521–4

Differential sensitivity of chicken MM-creatine kinase to trypsin and proteinase-K. Lough J, et al. **Int J Biochem** 1985;17(3):309–18

Distribution of calpain I, calpain II, and calpastatin in bovine lens. Yoshida H, et al. **Invest Ophthalmol Vis Sci** 1985 Jul; 26(7):953–6

A metalloproteinase associated with gelonin, a 'ribosome inactivating protein'. Montanaro L, et al. **Ital J Biochem** 1985 Jan–Feb;34(1):1–10

Effect of prostaglandin E2 on PZ-peptidase and several other peptidase activities in a clonal osteoblast-like cell line derived from newborn mouse calvaria. Chikuma T, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1533–9

Hydrolysis of protamine by calcium-activated neutral protease (CANP). Hayashi M, et al. **J Biochem (Tokyo)** 1985 May;97(5):1363–70

Properties of rat liver signal peptidase reconstituted into liposomes. Hikawa A, et al. **J Biochem (Tokyo)** 1985 Jan; 97(1):105–12

Role of the zinc atom in the activity and conformational stability of serratial 56K protease. A fluorometric study. Matsumoto K, et al. **J Biochem (Tokyo)** 1984 Oct; 96(4):1165–73

Effect of L-alpha-phosphatidylinositol on a vascular smooth muscle Ca2+-dependent protease. Reduction of the Ca2+ requirement for autolysis. Coolican SA, et al. **J Biol Chem** 1984 Oct 10;259(19):11627–30

Identification of two proteins (actin-binding protein and P235) that are hydrolyzed by endogenous Ca2+-dependent protease during platelet aggregation. Fox JE, et al. **J Biol Chem** 1985 Jan 25;260(2):1060–6

NMR studies of fluorinated serine protease inhibitors. Gerig JT, et al. **J Biol Chem** 1985 Apr 25;260(8):4713–7

Human proapolipoprotein A-II is cleaved following secretion from Hep G2 cells by a thiol protease. Gordon JI, et al. **J Biol Chem** 1984 Dec 25;259(24):15556–63

Extraction of the adenylate cyclase-activating factor of bovine sperm and its identification as a trypsin-like protease. Johnson RA, et al. **J Biol Chem** 1985 Jan 10; 260(1):114–21

Tumor-promoting phorbol esters and cell proliferation stimulate secretion of basement membrane (type IV) collagen-degrading metalloproteinase by human fibroblasts. Salo T, et al. **J Biol Chem** 1985 Jul 15; 260(14):8526–31

Comparative specificity and kinetic studies on porcine calpain I and calpain II with naturally occurring peptides and synthetic fluorogenic substrates. Sasaki T, et al. **J Biol Chem** 1984 Oct 25;259(20):12489–94

Cleavage of growth hormone by rabbit liver plasmalemma enhances binding. Schepper JM, et al. **J Biol Chem** 1984 Nov 10;259(21):12945–8

A heterozygous defect for structurally altered pro-alpha 2 chain of type I procollagen in a mild variant of osteogenesis imperfecta. The altered structure decreases the thermal stability of procollagen and makes it resistant to procollagen N-proteinase. Sippola M, et al. **J Biol Chem** 1984 Nov 25;259(22):14094–100

Synthesis of an altered type III procollagen in a patient with type IV Ehlers-Danlos syndrome. A structural change in the alpha 1(III) chain which makes the protein more susceptible to proteinases. Stolle CA, et al. **J Biol Chem** 1985 Feb 10;260(3):1937–44

Purification and characterization of an inhibitor of the cysteine protease from the hemolymph of Sarcophaga peregrina larvae. Suzuki T, et al. **J Biol Chem** 1985 Apr 25;260(8):5115–20

Type I procollagen N-proteinase from whole chick embryos. Cleavage of a homotrimer of pro-alpha 1(I) chains and the requirement for procollagen with a triple-helical conformation. Tanzawa K, et al. **J Biol Chem** 1985 Jan 25;260(2):1120–6

Enzymes converting procollagens to collagens. Peltonen L, et al. **J Cell Biochem** 1985;28(1):15–21 (70 ref.)

Qualitative analysis of skeletal myosin as substrate of Ca2+-activated neutral protease: comparison of filamentous and soluble, native, and L2-deficient myosin. Pemrick SM, et al. **J Cell Biol** 1984 Dec;99(6):2297–308

C3b covalently bound to IgG demonstrates a reduced rate of inactivation by factors H and I. Fries LF, et al. **J Exp Med** 1984 Dec 1;160(6):1640–55

The requirement for proteinase activity for human lymphocyte-mediated natural cytotoxicity (NK): evidence that the proteinase is serine dependent and has aromatic amino acid specificity of cleavage. Hudig D, et al. **J Immunol** 1984 Nov;133(5):2647–54

Angiotensin I conversion by human and rat chymotryptic proteinases. Wintroub BU, et al. **J Invest Dermatol** 1984 Nov;83(5):336–9

Fibrinogen degradation by hementin, a fibrinogenolytic anticoagulant from the salivary glands of the leech Haementeria ghilianii. Malinconico SM, et al. **J Lab Clin Med** 1984 Nov;104(5):842–54

Structure-activity relationship of the ficin hydrolysis of phenyl hippurates. Comparison with papain, actinidin, and bromelain. Carotti A, et al. **J Med Chem** 1984 Nov; 27(11):1427–31

Actinidin hydrolysis of substituted-phenyl hippurates: a quantitative structure-activity relationship and graphics comparison with hydrolysis by papain. Carotti A, et al. **J Med Chem** 1984 Nov;27(11):1401–5

Sequential limited proteolysis of myelin basic protein by neutral protease activities of bovine brain. Berlet HH, et al. **J Neurochem** 1985 Jul;45(1):116–23

Inactivation of neurotensin by rat brain synaptic membranes. Cleavage at the Pro10–Tyr11 bond by endopeptidase 24.11 (enkephalinase) and a peptidase different from proline-endopeptidase. Checler F, et al. **J Neurochem** 1984 Nov;43(5):1295–301

An immunoblot study of neurofilament degradation in situ and during calcium-activated proteolysis. Schlaepfer WW, et al. **J Neurochem** 1985 Feb;44(2):502–9

CCK26–33 degrading activity in brain and nonneural tissue: a metalloendopeptidase. Steardo L, et al. **J Neurochem** 1985 Sep;45(3):784–90

Calcium-activated neutral protease in the peripheral nerve, which requires microM order Ca2+, and its effect on the neurofilament triplet. Kamakura K, et al. **J Neurosci Res** 1985;13(3):391–403

Comparative study of neutral proteoglycanase activity by growth plate zone. Ehrlich MG, et al. **J Orthop Res** 1985; 3(3):269–76

Comparative studies on the properties of a kininase in rat brain using bio- and fluorometric assay systems. Iwaki H, et al. **J Pharmacol Methods** 1984 Oct;12(3):195–202

Entamoeba histolytica and E. invadens: sulfhydryl-dependent proteolytic activity. Avila EE, et al. **J Protozool** 1985 Feb;32(1):163–6

PZ-peptidase activity from ejaculated boar spermatozoa. Berruti G, et al. **J Reprod Fertil** 1985 Sep;75(1):139–44

Limited proteolysis of the porcine zona pellucida by homologous sperm acrosin. Brown CR, et al. **J Reprod Fertil** 1985 May;74(1):257–60

The catalytic mechanism of serine proteases II: The effect of the protein environment in the alpha-chymotrypsin proton relay system. Longo E, et al. **J Theor Biol** 1985 Feb 21;112(4):783–98

The role of bestatin-sensitive aminopeptidase, angiotensin converting enzyme and thiorphan-sensitive 'enkephalinase' in the potency of enkephalins in the guinea-pig ileum. Aoki K, et al. **Jpn J Pharmacol** 1984 Sep;36(1):59–65

Neutral metalloendopeptidase in human male genital tract. Comparison to angiotensin I-converting enzyme. Erdös EG, et al. **Lab Invest** 1985 Apr;52(4):437–47

Peptidases that terminate the action of enkephalins. Consideration of physiological importance for amino-, carboxy-, endo-, and pseudoenkephalinase. Dua AK, et al. **Life Sci** 1985 Sep 16;37(11):985–92 (70 ref.)

Specificity of neuropeptide degradation by two calcium-activated neutral proteases from human skeletal muscle. McDermott JR, et al. **Life Sci** 1985 Aug 26; 37(8):725–30

Degradation of the 34 amino acid gastrin by rat tissue homogenates. Movsas B, et al. **Life Sci** 1985 Jan 7; 36(1):89–95

Hydrolysis of the C-terminal octapeptide of cholecystokinin by rat kidney membranes: characterization of the cleavage by solubilized endopeptidase-24.11. Najdovski T, et al. **Life Sci** 1985 Sep 2;37(9):827–34

High-molecular-weight renin converting enzyme from dog kidney: detection and fractionation. Tanaka M, et al. **Life Sci** 1985 Mar 25;36(12):1217–24

Dipeptidyl peptidase IV in mammalian lungs. Křepela E, et al. **Lung** 1985;163(1):33–54

Age changes in bovine lens endopeptidase activity. Fleshman KR, et al. **Mech Ageing Dev** 1985 Jun;31(1):37–47

Benzamidine as a spectroscopic probe for the primary specificity subsite of trypsin-like serine proteinases. A case for BPTI binding to bovine beta-trypsin. Ascenzi P, et al. **Mol Cell Biochem** 1984 Sep;64(2):139–44

A deletion that includes the signal peptidase cleavage site impairs processing, glycosylation, and secretion of cell surface yeast acid phosphatase. Haguenauer-Tsapis R, et al. **Mol Cell Biol** 1984 Dec;4(12):2668–75

Morphological aspects of the rat kidney preserved by cold storage. IV. Histoenzymological changes. V. Endopeptidase activity. Neagu S, et al. **Morphol Embryol (Bucur)** 1984 Jul–Sep;30(3):217–21

Membrane-bound enzymes and their role in processing of the dynorphins and of the proenkephalin octapeptide Metenkephalin-Arg-Gly-Leu. Benuck M, et al. **Neurochem Res** 1984 Jun;9(6):733–49

Angiotensin I-generating acid endopeptidase activity in neurosecretory vesicles isolated from bovine pituitary. Gainer H, et al. **Neuropeptides** 1984 Nov;4(6):447–55

Decreased enkephalinase activity following postnatal treatment with phenobarbital. Mousa S, et al. **Neuropharmacology** 1985 Jan;24(1):9–11

Effect of catecholamines on the activity of rat brain dipeptidyl aminopeptidase. Imai K, et al. **Neurosci Res** 1984 Oct;1(5):353–6

Assessment of the role of 'enkephalinase' in cholecystokinin inactivation. Zuzel KA, et al. **Neuroscience** 1985 May; 15(1):149–58

Effect of gonadal steroids on hypothalamus and anterior pituitary endo-oligopeptidase B (proline-endopeptidase) activity in castrated female rats. López-Jaramillo P, et al. **Peptides (Fayetteville)** 1984 Sep–Oct;5(5):1017–9

Hydrolysis of substance p and neurotensin by converting enzyme and neutral endopeptidase. Skidgel RA, et al. **Peptides (Fayetteville)** 1984 Jul–Aug;5(4):769–76

Similarities of the substrate cleavage catalyzed by proline specific endopeptidase and dipeptidyl peptidase IV. Weidhase R, et al. **Pharmazie** 1984 Dec;39(12):835–7

Effects of incubation at 4 C on calcium uptake and acrosin activity in turkey spermatozoa. Froman DP, et al. **Poult Sci** 1985 Feb;64(2):396–400

Monomeric solubilized sarcoplasmic reticulum Ca pump protein: demonstration of Ca binding and dissociation coupled to ATP hydrolysis. Martin DW, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6623–6

Mechanisms and control of ATP-dependent proteolysis. Etlinger JD, et al. **Prog Clin Biol Res** 1985;180:47–60

The ATP dependent pathway for protein breakdown in bacteria and mitochondria. Goldberg AL, et al. **Prog Clin Biol Res** 1985;180:33–45

Some properties of the Ca2+-dependent proteinase. Goll DE, et al. **Prog Clin Biol Res** 1985;180:151–64

Lysosomal thiol cathepsins and their endogenous inhibitors. Distribution and localization. Katunuma N, et al. **Prog Clin Biol Res** 1985;180:71–9

Serine proteinases and protein breakdown in muscle. Kay J, et al. **Prog Clin Biol Res** 1985;180:195–205

Endopeptidase-24.11: a general purpose membrane enzyme for metabolising peptides. Kenny J, et al. **Prog Clin Biol Res** 1985;180:175–84

Complementary specificities of ovarian dipeptidyl peptidase II and tripeptidyl peptidase: collagenolytic potential and increased activity associated with ovulation in the hog. McDonald JK, et al. **Prog Clin Biol Res** 1985;180:673–5

Endopeptidase-24.11 'enkephalinase': its role in the central nervous system. Matsas R, et al. **Prog Clin Biol Res** 1985; 180:273–7

The role of calcium-dependent proteinase in molt-induced claw muscle atrophy. Mykles DL, et al. **Prog Clin Biol Res** 1985;180:141–50

A novel trypsin-like endoprotease associated with plasma membranes of rat liver and related with the survival of hepatocytes in primary culture. Tanaka K, et al. **Prog Clin Biol Res** 1985;180:261–3

125I-ubiquitin is kinetically invalid as a tracer radiolabel for studies of ATP-dependent proteolysis. Wilkinson KD, et al. **Prog Clin Biol Res** 1985;180:211–3

Properties of a small latent metalloprotease of the rat uterus. Woessner JF Jr, et al. **Prog Clin Biol Res** 1985;180:279–81

Calcium-activated neutral protease (CANP) in brain and other tissues. Zimmerman UJ, et al. **Prog Neurobiol** 1984; 23(1–2):63–78 (112 ref.)

A variety of Candida proteinases and their possible targets of proteolytic attack in the host. Rüchel R. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Jul; 257(2):266–74

[Acid proteinases in the gastric mucosa in stomach diseases] Kohout J, et al. **Cas Lek Cesk** 1985 Jan 11;124(2):53–6 (Eng. Abstr.) **(Cze)**

[Activity of dipeptidylpeptidase I, dipeptidylpeptidase II and cathepsin B in normal and atherosclerotic aortas and coronary arteries in the rabbit, minipig and man] Lojda Z, et al. **Sb Lek** 1984 Jun;86(5–6):138–47 (Eng. Abstr.) **(Cze)**

[Regional distribution of enkephalinase in the rat brain by autoradiography] Waksman G, et al. **C R Acad Sci [III]** 1984;299(14):613–5 (Eng. Abstr.) **(Fre)**

[Enkephalinase, an enzyme in the catabolism of neuropeptides and circulating hormones] Deschodt-Lanckman M. **Rev Med Brux** 1985 Jun;6(6):389–92 (Eng. Abstr.) **(Fre)**

[Proteinase, glycosidase and phosphatase cytochemistry in the small intestine and liver: phylogeny and species differencies] Gossrau R. **Acta Histochem [Suppl] (Jena)** 1985;31:63–72 **(Ger)**

[Enzyme activity in human embryonic and fetal hearts] Lichnovský V, et al. **Acta Univ Palacki Olomuc Fac Med** 1985;108:63–70 **(Ger)**

[Proteinase activity in the joint cartilage of sheep following mechanical arthrosis induction using an impulse stress instrument] Lindenhayn K, et al. **Beitr Orthop Traumatol** 1984 Oct;31(10):507–11 (Eng. Abstr.) **(Ger)**

[Thermitase--a thermostable serine protease. V. Stereospecificity of the binding of peptide ligands] Fittkau S, et al. **Biomed Biochim Acta** 1984;43(7):901–7 (Eng. Abstr.) **(Ger)**

[Thermitase--a thermostable serine protease. VI. Kinetic and fluorescence studies on the interaction of the enzymes with dansylated peptide chloromethylketones] Peters K, et al. **Biomed Biochim Acta** 1984;43(7):909–18 (Eng. Abstr.) **(Ger)**

[The kinetics of hydrolysis of alanine peptide esters and -p-nitroanilides by thermitase, a thermostable serine protease from Thermoactinomyces vulgaris: secondary specificity, influence of temperature and solute] Rothe U, et al. **Biomed Biochim Acta** 1985;44(2):175–83 (Eng. Abstr.) **(Ger)**

[Inhibition of extracellular yeast proteinases by pepstatin A and leupeptin in the plate test] Schönborn C, et al. **Mykosen** 1985 Mar;28(3):117-8, 123-6 (Eng. Abstr.) **(Ger)**

[Incorporation of methionine into a peptic partial hydrolyzate from faba bean protein isolate by plastein reaction with thermitase] Winkler H, et al. **Nahrung** 1984;28(10):1029-35 (Eng. Abstr.) **(Ger)**

[Peptidase activities in the kidney of male rats following castration and substitution with sex hormones] Baumer W, et al. **Z Mikrosk Anat Forsch** 1985;99(2):254-64 (Eng. Abstr.) **(Ger)**

[Ca2+-dependent cysteine proteinase (calpain) in bovine lens. Degradation of lens structural proteins] Yoshida H, et al. **Nippon Ganka Gakkai Zasshi** 1985 Jan;89(1):227-9 (Eng. Abstr.) **(Jpn)**

[Calcium-activated neutral protease in the porcine skin] Matsuo S, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Apr; 95(5):553-60 **(Jpn)**

[Destabilase: an enzyme of medicinal leech salivary gland secretion hydrolyzes the isopeptide bonds in stabilized fibrin.] Baskova IP, et al. **Biokhimiia** 1985 Mar;50(3):424-31 (Eng. Abstr.) **(Rus)**

[Effect of ethanol on the enkephalinergic opioid system of the rat brain] Beliaev NA, et al. **Biokhimiia** 1984 Sep; 49(9):1425-30 (Eng. Abstr.) **(Rus)**

[Human erythrocyte prolyl endopeptidase II hydrolysing teprotid, an inhibitor of peptidyl peptidase from snake venom] Alekseenko LP, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):308-11 (Eng. Abstr.) **(Rus)**

[Intestinal peptidase content of the mucous coat of the small intestine in dogs] Mitin IE, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):387-9 (Eng. Abstr.) **(Rus)**

[Lysosomal proteinase activity and the the lysosomes of the small intestine in postnatal ontogeny] Nikolaevskaia VR, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):139-42 (Eng. Abstr.) **(Rus)**

[Structural similarity of poliovirus cysteine proteinase P3-7c and cellular serine proteinase of trypsin] Blinov VM, et al. **Dokl Akad Nauk SSSR** 1984;279(2):502-5 **(Rus)**

[A system of specific proteases degrading prolactin in the membranes of nuclei, mitochondria and lysosomes of mammary gland tissue] Marinchenko GV.
Dokl Akad Nauk SSSR 1985;280(6):1479-84 **(Rus)**

[Chromatin activation as affected by lysosomal proteinases using fluorescent probes] Maianskaia NN, et al.
Vopr Med Khim 1984;30(6):53-6 (Eng. Abstr.) **(Rus)**

[Proteolytic activity of the rat stomach in early ontogenesis during artificial feeding with milk substitutes] Stan EIa, et al. **Vopr Med Khim** 1984 Jul-Aug;30(4):78-82 (Eng. Abstr.) **(Rus)**

[Effect of experimental hypercholesterolemia on the activity of various proteinases in the small-intestinal mucosa and liver in rats] Kosarev AV. **Vopr Pitan** 1984 Jul-Aug; (4):51-4 **(Rus)**

[Effect of thymic hormonal factors on the serine protease activity of splenic and thymic lymphocytes] Vaniurikhina LT, et al. **Vrach Delo** 1984 Nov;(11):71-3 (Eng. Abstr.) **(Rus)**

[Role of leukocyte proteinases and protein degradation products in protective reactions] Iankovskiĭ OIu, et al.
Zh Obshch Biol 1985 Jan-Feb;46(1):93-101 (Eng. Abstr.) **(Rus)**

[Proteinases in human eye tissue] Stančíková M, et al.
Cesk Oftalmol 1984 Nov;40(6):329-34 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Ninhibin: a sperm factor attenuates the atrial natriuretic factor mediated inhibition of adenylate cyclase: possible involvement of inhibitory guanine nucleotide regulatory protein. Anand-Srivastava MB, et al.
Biochem Biophys Res Commun 1985 May 31;129(1):171-8

Proteolysis of specific porcine zona pellucida glycoproteins by boar acrosin. Dunbar BS, et al. **Biol Reprod** 1985 Apr; 32(3):619-30

Cleavage of human von Willebrand factor by platelet calcium-activated protease. Kunicki TJ, et al. **Blood** 1985 Feb;65(2):352-6

Influence of proteolytic enzymes and calcium-binding agents on nuclear and cell surface topography. Thyberg J, et al. **Cell Tissue Res** 1984;237(3):587-93

Proteinases release mucin from airways goblet cells. Boat TF, et al. **Ciba Found Symp** 1984;109:72-88 (32 ref.)

Prothrombin converting-and fibrinolytic effects of ecarin. Kornalík F. **Czech Med** 1985;8(1):51-4

Formation of tight junctions in epithelial cells. I. Induction by proteases in a human colon carcinoma cell line. Cohen E, et al. **Exp Cell Res** 1985 Jan;156(1):103-16

Isolation of corneal epithelium with Dispase II or EDTA. Effects on the basement membrane zone. Spurr SJ, et al. **Invest Ophthalmol Vis Sci** 1985 Jun;26(6):818-27

The 'in vivo' effect of chymopapain on intervertebral disc hernia (an ultrastructural study). Postacchini F, et al.
Ital J Orthop Traumatol 1984 Sep;10(3):385-91

Effect of plant SH-protease on human polymorphonuclear leukocyte granule elastase. Hamanaka K, et al.
J Dermatol (Tokyo) 1984 Dec;11(6):523-8

Limited and specific proteolysis of the zona pellucida by acrosin. Urch UA, et al. **J Exp Zool** 1985 Mar; 233(3):479-83

Activation of human and rabbit prokallikrein by serine and metalloproteases. Noda Y, et al. **Kidney Int** 1985 Apr; 27(4):630-5

Effect of dextranase and protease enzymes on aggregation of Streptococcus mutans: colorimetric and electron microscopic studies. Graves W, et al. **Microbios** 1984; 40(161-162):145-52

Action of neutral metalloendopeptidase ('enkephalinase') on beta-endorphin. Gráf L, et al. **Neuropeptides** 1985 Mar; 6(1):13-9

Activation of latent collagenase by serum proteinases that interact with immobilized immunoglobulin G. Armour PC, et al. **Rheumatol Int** 1984;4(4):151-5

[Dermo-epidermal separation by dispase and the effect of dispase treatment on the epidermal adenylate cyclase response] Watanabe M, et al.
Nippon Hifuka Gakkai Zasshi 1984 Dec;94(14):1631-8 **(Jpn)**

[Comparative study of the proteolytic products of fibronectins in the serum of adult and embryonic animals formed under the effects of proteinases of the spleen] Zlatopol'skiĭ AD, et al. **Biokhimiia** 1984 Sep;49(9):1418-24 (Eng. Abstr.) **(Rus)**

[Primary structure of the elongation factor G from Escherichia coli. VII. Study of peptides generated during hydrolysis of the T4 fragment by glutamic proteinase from Staphylococcus aureus] Alakhov IuB, et al.
Bioorg Khim 1983 Mar;9(3):315-29 (Eng. Abstr.) **(Rus)**

[Lytic action of serine proteinase from Bacillus brevis on Candida utilis cells: its dependence on the growth stage and budding phase of the yeast] Kalebina TS, et al.
Dokl Akad Nauk SSSR 1985;280(6):1469-72 **(Rus)**

[Mechanism of the hypotensive action of inkrepan] Surovikina MS, et al. **Patol Fiziol Eksp Ter** 1984 Sep-Oct; (5):40-3 **(Rus)**

PHYSIOLOGY

Requirement for metalloendoprotease in exocytosis: evidence in mast cells and adrenal chromaffin cells. Mundy DI, et al. **Cell** 1985 Mar;40(3):645-56

Genetic evidence for role of extracellular proteinase in virulence of Candida albicans. Kwon-Chung KJ, et al. **Infect Immun** 1985 Sep;49(3):571-5

Evidence for the involvement of a sperm trypsinlike enzyme in the membrane events of the hamster sperm acrosome reaction. Dravland JE, et al. **J Exp Zool** 1984 Oct; 232(1):117-28

Factor I co-factor activity of CR1 overcomes the protective effect of IgG on covalently bound C3b residues. Fries LF, et al. **J Immunol** 1985 Oct;135(4):2673-9

Calcium-stimulated proteolysis in myelin: evidence for a Ca2+-activated neutral proteinase associated with purified myelin of rat CNS. Banik NL, et al. **J Neurochem** 1985 Aug;45(2):581-8

Regulation of glutamate receptor binding by the cytoskeletal protein fodrin. Siman R, et al. **Nature** 1985 Jan 17-23; 313(5999):225-8

SECRETION

Secretion of a cysteine proteinase from a hormone-independent cell population of cultured explants of murine mammary gland. Recklies AD, et al.
Cancer Res 1985 May;45(5):2294-301

Release of proteinases by cultures of human cell lines derived from squamous carcinomas of the tongue and larynx. Baici A, et al. **Exp Cell Biol** 1985;53(4):213-9

Cell wall lytic enzyme released by mating gametes of Chlamydomonas reinhardtii is a metalloprotease and digests the sodium perchlorate-insoluble component of cell wall. Matsuda Y, et al. **J Biol Chem** 1985 May 25;260(10):6373-7

Secretion of an articular cartilage proteoglycan-degrading enzyme activity by murine T lymphocytes in vitro. Kammer GM, et al. **J Clin Invest** 1985 Aug;76(2):395-402

THERAPEUTIC USE

Optimalization of chemonucleolysis. Claes T, et al.
Acta Orthop Belg 1984 Jul-Aug;50(4):539-44

Chymopapain chemonucleolysis: CT changes after treatment. Gentry LR, et al. **AJR** 1985 Aug;145(2):361-9

Chymopapain chemonucleolysis: correlation of diagnostic radiographic factors and clinical outcome. Gentry LR, et al. **AJR** 1985 Aug;145(2):351-60

Chemonucleolysis. Newman M. **Alaska Med** 1984 Jul-Sep; 26(3):71-3

Anatomical basis of intervertebral disc puncture with chemonucleolysis. Nazarian S. **Anat Clin** 1985;7(1):23-32

Recent experience with chemonucleolysis: community standards and factors affecting outcome. Nehls DG, et al. **Ariz Med** 1985 Feb;42(2):74-9

Chemonucleolysis: an evolving concept and clinical review. MacDiarmid A, et al. **Aust NZ J Surg** 1985 Apr; 55(2):157-62

Chemonucleolysis--unexpected new horizons for research [editorial] Taylor TK, et al. **Aust NZ J Surg** 1985 Apr; 55(2):88-90

Chemonucleolysis in the treatment of lumbar disc disease. Israeli A, et al. **Br J Sports Med** 1985 Mar;19(1):21-3

Chemonucleolysis failures treated by PLIF. Sepulveda R, et al. **Clin Orthop** 1985 Mar;(193):68-74

Prospective evaluation of chymopapain sensitivity in patients undergoing chemonucleolysis. Bernstein DI, et al.
J Allergy Clin Immunol 1985 Sep;76(3):458-65

Treatment of experimental erosive arthritis in rats by injection of the muralytic enzyme mutanolysin. Janusz MJ, et al. **J Exp Med** 1984 Nov 1;160(5):1360-74

A case report on nonresolving conservative care of low back pain and sciatic radicular syndrome. Haney PL, et al.
J Manipulative Physiol Ther 1985 Jun;8(2):109-14

Efficacy of chymopapain chemonucleolysis. A long-term review of 105 patients. Javid MJ. **J Neurosurg** 1985 May; 62(5):662-6

Treatment of intervertebral disc prolapse by intradiscal injection of chymopapain. Fraser RD. **Med J Aust** 1985 Apr 15;142(8):431-4

Chemonucleolysis for sciatica and low back pain. Graham CE. **Med J Aust** 1985 Apr 15;142(8):461-2

Chymopapain and prolapsed disc [letter] Graham CE.
Med J Aust 1985 Sep 16;143(6):266-7

Tropical fruit in the treatment of lumbar disc prolapse. A topical issue. Taylor TK, et al. **Med J Aust** 1985 Apr 15; 142(8):462-4

Update on chymopapain. Shields CB, et al. **Neurol Clin** 1985 May;3(2):393-403 (19 ref.)

Septic complications of chemonucleolysis. Brian JE Jr, et al. **Neurosurgery** 1984 Nov;15(5):730-4

The chymopapain clinical trials. Haines SJ. **Neurosurgery** 1985 Jul;17(1):107-10

Microdiscectomy versus chemonucleolysis. Maroon JC, et al. **Neurosurgery** 1985 May;16(5):644-9

Post-chymopapain (chemonucleolysis)--clinical and computed tomography correlation: preliminary results. Mall JC, et al. **Skeletal Radiol** 1984;12(4):270-5

Chemonucleolysis [letter] **Spine** 1984 Nov-Dec;9(8):840-1

Chymopapain for herniated intervertebral disc. A methodologic analysis and an agenda for future research. Deyo RA. **Spine** 1984 Jul-Aug;9(5):474-8

Chymopapain for the treatment of intervertebral disc herniation. The final report of a double-blind study. Fraser RD. **Spine** 1984 Nov-Dec;9(8):815-8

The age-old back problem: new fad; same fallacies [letter] Harway RA. **Spine** 1985 Apr;10(3):293

The comparative biomechanical, histologic, and radiographic analysis of canine lumbar discs treated by surgical excision or chemonucleolysis. Kahanovitz N, et al. **Spine** 1985 Mar; 10(2):178-83

Chymodiactin in patients with herniated lumbar intervertebral disc(s). An open-label, multicenter study. McDermott DJ, et al. **Spine** 1985 Apr;10(3):242-9

[Neuroleptanalgesia for chemical nucleolysis] Noury D, et al. **Cah Anesthesiol** 1984 Sep;32(5):397-401 (Eng. Abstr.) **(Fre)**

[Discal nucleolysis in the treatment of common sciatica] Cocheteux P, et al. **LARC Med** 1984 Nov;4(9):543-50 (Eng. Abstr.) **(Fre)**

[Anesthesiologic aspects of chemonucleolysis in local anesthesia] Schäffer J, et al.
Anasth Intensivther Notfallmed 1985 Apr;20(2):62-4 (Eng. Abstr.) **(Ger)**

[Chymopapaine and the treatment of lumbar disc disease] Israeli A, et al. **Harefuah** 1984 Jun 1;106(11):520-2 **(Heb)**

[Lekopain in the treatment of chronic osteomyelitis (preliminary report)] Krauze W, et al.
Folia Med Cracov 1984;25(1-2):200-6 (Eng. Abstr.) **(Pol)**

[Effect of Streptomyces spheroides proteinases on the mechanism of antibacterial protection in an experiment] Egorov NS, et al. **Antibiotiki** 1984 Aug;29(8):595-600 (Eng. Abstr.) **(Rus)**

[Use of the proteolytic enzyme preparation lekozim for treating chalazion] Polunin GS, et al. **Vestn Oftalmol** 1985 May-Jun;101(3):44-6 (Eng. Abstr.) **(Rus)**

[Use of lekozim in middle ear diseases] Tarasov DI, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):43-7 (Eng. Abstr.) **(Rus)**

PEPTIDE SYNTHETASES

ANALYSIS

Folate analogues as substrates of mammalian folylpolyglutamate synthetase. Schoo MM, et al.
Cancer Res 1985 Jul;45(7):3034-41

ANTAGONISTS & INHIBITORS

Gramicidin S synthetase stabilization in vivo. Agathos SN, et al. **Ann NY Acad Sci** 1984;434:44-7

DL-threo-4-fluoroglutamic acid. A chain-terminating inhibitor of folylpolyglutamate synthesis. McGuire JJ, et al. **J Biol Chem** 1985 Jun 10;260(11):6747-54

BLOOD

Significance of glutathione S-conjugate for glutathione metabolism in human erythrocytes. Kondo T, et al.
Eur J Biochem 1984 Nov 15;145(1):131-6

DEFICIENCY

Radiosensitizing and cytotoxic properties of misonidazole on glutathione synthetase deficient human fibroblasts. Deschavanne PJ, et al. **Int J Radiat Biol** 1985 Aug; 48(2):213-21

GENETICS

Molecular cloning of an ornithine-activating fragment of the gramicidin S synthetase 2 gene from Bacillus brevis and its expression in Escherichia coli. Krause M, et al. **J Bacteriol** 1985 Jun;162(3):1120-5

Folylpoly-gamma-glutamate synthetase-dihydrofolate synthetase. Cloning and high expression of the Escherichia coli folC gene and purification and properties of the gene product. Bognar AL, et al. **J Biol Chem** 1985 May 10; 260(9):5625-30

Induced reversion of a Chinese hamster ovary triple auxotroph. Validation of the system with several mutagens. Taylor RT, et al. **Mutat Res** 1985 Sep;151(2):293-308

Complete nucleotide sequence of the E. coli glutathione synthetase gsh-II. Gushima H, et al. **Nucleic Acids Res** 1984 Dec 21;12(24):9299-307

ISOLATION & PURIFICATION

Measurement of folylpolyglutamate synthetase in mammalian tissues. Moran RG, et al. **Anal Biochem** 1984 Aug 1; 140(2):326-42

Gamma-glutamylcysteine synthetase from erythrocytes. Seelig GF, et al. **Anal Biochem** 1984 Sep;141(2):510-4

Mammalian folyl polyglutamate synthetase: partial purification and properties of the mouse liver enzyme. Moran RG, et al. **Biochemistry** 1984 Sep 25;23(20):4580-9

Purification and characterization of glutathione synthetase from Escherichia coli B. Gushima H, et al. **J Appl Biochem** 1983 Jun;5(3):210-8

Purification of brain tubulin-tyrosine ligase by biochemical and immunological methods. Schröder HC, et al. **J Cell Biol** 1985 Jan;100(1):276-81

Tyrosine incorporation in tubulin. Flavin M, et al. **Methods Enzymol** 1984;106:223-37

METABOLISM

Translocation of mycobacillin synthetase in Bacillus subtilis. Mukhopadhyay NK, et al. **Biochem J** 1985 Feb 1; 225(3):639-43

Gramicidin S synthetase. Temperature dependence and thermodynamic parameters of substrate amino acid activation reactions. Vater J, et al. **Biochemistry** 1985 Apr 9;24(8):2022-7

Standardization of parameters for the mycobacillin synthetase activity. Mukhopadhyay NK, et al. **Folia Microbiol (Praha)** 1984;29(4):295-300

A comparative study of sulfhydryl groups required for the catalytic activity of gramicidin S synthetase and isoleucyl tRNA synthetase. Kanda M, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):701-11

Enzyme activity may hold key to cataract prevention [news] Cole H. **JAMA** 1985 Aug 23-30;254(8):1008

Structural features of 4-amino antifolates required for substrate activity with mammalian folylpolyglutamate synthetase. Moran RG, et al. **Mol Pharmacol** 1985 Jan; 27(1):156-66

PEPTIDE TERMINATION FACTORS

ANALYSIS

Escherichia coli transcription termination factor rho has a two-domain structure in its activated form. Bear DG, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1911-5

GENETICS

Bacterial peptide chain release factors: conserved primary structure and possible frameshift regulation of release factor 2. Craigen WJ, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(11):3616-20

ISOLATION & PURIFICATION

Purification of RNA polymerase and transcription-termination factor Rho from Erwinia carotovora. Nwankwo DO, et al. **Eur J Biochem** 1985 Jan 15;146(2):383-9

METABOLISM

Ribosomes from a relC mutant strain of Escherichia coli show altered activity with bacterial release factor-1. Ward CD, et al. **Biochem Int** 1985 Jun;10(6):855-61

The ribosomal binding domain for the bacterial release factors RF-1, RF-2 and RF-3. McCaughan KK, et al. **FEBS Lett** 1984 Sep 17;175(1):90-4

Effect of base sequence on in vitro protein-chain termination. Ganoza MC, et al. **J Biol Chem** 1984 Nov 25; 259(22):14101-4

PEPTIDES

Gastrin-releasing peptide, a mammalian analog of bombesin, is present in human neuroendocrine lung tumors. Bostwick DG, et al. **Am J Pathol** 1984 Nov;117(2):195-200

Estimation of disulfide bonds using 2-nitro-5-thiosulfobenzoic acid: limitations. Damodaran S. **Anal Biochem** 1985 Feb 15;145(1):200-4

Cysteine: a potential source of error in amino acid analysis of mercaptoethane sulfonic or hydrochloric acid hydrolysates of proteins and peptides. Gardner ML. **Anal Biochem** 1984 Sep;141(2):429-31

The application of fluorescein isothiocyanate and high-performance liquid chromatography for the microsequencing of proteins and peptides. Muramoto K, et al. **Anal Biochem** 1984 Sep;141(2):446-50

Coupling of peptides to protein carriers by mixed anhydride procedure. Samokhin GP, et al. **Anal Biochem** 1985 Mar; 145(2):311-4

A carbene-yielding amino acid for incorporation into peptide photoaffinity reagents. Shih LB, et al. **Anal Biochem** 1985 Jan;144(1):132-41

Carbodiimide-mediated O-sulfation of hydroxy-amino acids and peptides: a reaction suitable for radiolabeling. Pongor S, et al. **Arch Biochem Biophys** 1985 May 1;238(2):458-63

Introduction of the dansyl group into histidine and tyrosine residues in peptides and proteins. Buchta R, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):350-7

Role of metal ions in goat carboxypeptidase A-catalysed hydrolysis of acyl peptides. Dua RD, et al. **Biochem Int** 1984 Sep;9(3):379-89

Primary structure of the telopeptide and a portion of the helical domain of chicken type II procollagen as determined by DNA sequence analysis. Deák F, et al. **Biochem J** 1985 Jul 1;229(1):189-96

A 1H-n.m.r. study of casein micelles. Griffin MC, et al. **Biochem J** 1985 May 15;228(1):273-6

The effect of mild alkali and alkaline borohydride on the carbohydrate and peptide moieties of fetuin. Hounsell EF, et al. **Biochem Soc Trans** 1984 Aug;12(4):607-10

Complete amino acid sequence of the Aspergillus cytotoxin mitogillin. Fernandez-Luna JL, et al. **Biochemistry** 1985 Feb 12;24(4):861-7

Effects of urea and guanidine hydrochloride on peptide and nonpolar groups. Nandi PK, et al. **Biochemistry** 1984 Dec 18;23(26):6661-8

pH-dependent fusion of liposomes using titratable polycations. Uster PS, et al. **Biochemistry** 1985 Jan 1; 24(1):1-8

Raman spectroscopic study of the interaction of poly-L-lysine with dipalmitoylphosphatidylglycerol bilayers. Carrier D, et al. **Biophys J** 1984 Oct;46(4):497-506

Solution-phase Raman-spectroscopic studies on synthetic collagen analogs: prolyl-prolyl-glycine and (prolyl-prolyl-glycine). Diem M, et al. **Biopolymers** 1984 Dec;23(12):2955-61

Molecular theory of the helix-coil transition in polyamino acids. V. Explanation of the different conformational behavior of valine, isoleucine, and leucine in aqueous solution. Go M, et al. **Biopolymers** 1984 Oct;23(10):1961-77

Anisotropic rotational motions of poly(L-glutamic acid) in the alpha-helix conformation. Hahn U, et al. **Biopolymers** 1985 Jul;24(7):1147-56

Role of interstrand loops in the formation of intramolecular cross-beta-sheets by homopolyamino acids. Mattice WL, et al. **Biopolymers** 1985 Mar;24(3):565-79

Suppression of the statistical coil state during the alpha in equilibrium beta transition in homopolypeptides. Mattice WL, et al. **Biopolymers** 1984 Dec;23(12):2879-90

Sequence-dependence of secondary structure formation: conformational studies of host-guest peptides in alpha-helix and beta-structure supporting media. Mutter M, et al. **Biopolymers** 1985 Jun;24(6):1057-74

Vibrational circular dichroism of polypeptides. IV. Film studies of L-alanine homo-oligopeptides. Narayanan U, et al. **Biopolymers** 1985 Jul;24(7):1257-63

A high-resolution 13C-NMR study of collagenlike polypeptides and collagen fibrils in solid state studied by the cross-polarization-magic angle-spinning method. Manifestation of conformation-dependent 13C chemical shifts and application to conformational characterization. Saitô H, et al. **Biopolymers** 1984 Nov;23(11 Pt 1):2279-97

Homonuclear two-dimensional correlated spectra with delays as an aid for the assignment of aromatic residues and for sequencing of peptides. Wynants C, et al. **Biopolymers** 1984 Sep;23(9):1799-804

Effect of phase transitions on the interaction of peptides and proteins with phospholipids. Epand RM, et al. **Can J Biochem Cell Biol** 1984 Nov;62(11):1167-73

Half a century of comparative research on biogenic amines and active peptides in amphibian skin and molluscan tissues. Erspamer V. **Comp Biochem Physiol [C]** 1984;79(1):1-7

The stereochemistry of peptides containing alpha-aminoisobutyric acid. Prasad BV, et al. **CRC Crit Rev Biochem** 1984;16(4):307-48 (167 ref.)

Insulin-like growth factor I/somatomedin C (IGF-I/Sm C): comparison of natural, solid phase synthetic and recombinant DNA analog peptides in two radioligand assays. Schalch D, et al. **Endocrinology** 1984 Dec; 115(6):2490-2

Pancreatic polypeptide, peptide YY, and neuropeptide Y family of regulatory peptides. Solomon TE. **Gastroenterology** 1985 Mar;88(3):838-41

Mass spectrometric studies of some synaptosomal and synthetic peptides. Marnela KM, et al. **Int J Neurosci** 1984 Dec;25(1-2):123-30

Preferential cleavage at aspartyl-prolyl peptide bonds in dilute acid. Marcus F. **Int J Pept Protein Res** 1985 May; 25(5):542-6

Solution conformation of poly(L-lysyl-L-glutamic acid) and poly(L-lysyl-L-glutamine). Rao MV, et al. **Int J Pept Protein Res** 1984 Jul;24(1):48-54

OH radical-induced products of tyrosine peptides. Karam LR, et al. **Int J Radiat Biol** 1984 Dec;46(6):715-24

Methionyl----tyrosyl radical transitions initiated by Br2-. in peptide model systems and ribonuclease A. Prütz WA, et al. **Int J Radiat Biol** 1985 Feb;47(2):149-56

Improved procedures for automated liquid phase sequence analyses of protein and peptide. Hayashi H, et al. **J Biochem (Tokyo)** 1985 Feb;97(2):441-8

Thermophilic microspheres of peptide-like polymers and silicates formed at 250 degrees C. Yanagawa H, et al. **J Biochem (Tokyo)** 1985 May;97(5):1521-4

Studies of synthetic peptide analogs of the amphipathic helix. Structure of complexes with dimyristoyl phosphatidylcholine. Anantharamaiah GM, et al. **J Biol Chem** 1985 Aug 25;260(18):10248-55

Studies of synthetic peptide analogs of the amphipathic helix. Correlation of structure with function. Chung BH, et al. **J Biol Chem** 1985 Aug 25;260(18):10256-62

A cell surface ELISA in the mouse using only poly-L-lysine as cell fixative. Epstein SL, et al. **J Immunol Methods** 1985 Jan 21;76(1):63-72

Temperature dependence of single channel currents and the peptide libration mechanism for ion transport through the gramicidin A transmembrane channel. Urry DW, et al. **J Membr Biol** 1984;81(3):205-17

Identification of two types of keratin polypeptides within the acidic cytokeratin subfamily I. Jorcano JL, et al. **J Mol Biol** 1984 Oct 25;179(2):257-81

Secondary structure of the alpha-amylase polypeptide inhibitor tendamistat from Streptomyces tendae determined in solution by 1H nuclear magnetic resonance. Kline AD, et al. **J Mol Biol** 1985 Jun 5;183(3):503-7

Polypeptide secondary structure determination by nuclear magnetic resonance observation of short proton-proton distances. Wüthrich K, et al. **J Mol Biol** 1984 Dec 15; 180(3):715-40

Quantitative polyphosphate-induced 'prebiotic' peptide formation in H2O by addition of certain azoles and ions. Rabinowitz J, et al. **J Mol Evol** 1984-85;21(2):199-201

A new method of iodine labelling of peptide hormones. Escher E. **J Recept Res** 1984;4(1-6):331-6

A geometric representation of alpha-polypeptide chains revisited. Jean RV. **J Theor Biol** 1985 Feb 21;112(4):819-25

The use of polylysine during negative staining of viral suspensions. Barth OM. **J Virol Methods** 1985 May; 11(1):23-7

Non-thymic peptide complexes as an immunobiologically active system. The physicochemical properties of peptides from bovine liver. Zak Z, et al. **Mater Med Pol** 1984 Jan-Mar;16(1):31-6

Hormone action. Part I: Peptide hormones. **Methods Enzymol** 1985;109:1-891

Enzymatic reduction of methionine sulfoxide residues in proteins and peptides. Brot N, et al. **Methods Enzymol** 1984; 107:352-60

Gamma-carboxyglutamic acid: assay methods. Nelsestuen GL. **Methods Enzymol** 1984;107:503-7

Photogeneration of superoxide and decarboxylated peptide radicals by carboquone, mitomycin C and streptonigrin. An electron spin resonance and spin trapping study. Carmichael AJ, et al. **Photochem Photobiol** 1985 Jun; 41(6):635-42

Is there a single pathway for the folding of a polypeptide chain? Harrison SC, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4028-30

Vaccinia virus-infected cells release a novel polypeptide functionally related to transforming and epidermal growth factors. Twardzik DR, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5300-4

Peptide-nucleic acid interactions: possible recognition determinants of Eco RI endonuclease. Poulsen M, et al. **Prog Clin Biol Res** 1985;172B:77-90

Abstracts of the Bayliss & Starling Society. National scientific meeting, 18th-19th December 1984, Guildford, Surrey, U.K. Respiratory peptides in the brain and in the gastrointestinal tract. **Regul Pept** 1984 Nov;9(4):317-58

[Biologically active peptides: known substances--new aspects. 1. Biochemistry, localization, mechanisms of action] Sander-Richter H, et al. **DTW** 1984 Oct 8; 91(10):367-72 (50 ref.) (Eng. Abstr.) **(Ger)**

[Two types of tripeptide conformation in collagen. Calculation of the structure of (Gly-Pro-Ser)n and (Gly-Val-Hyp)n polytripeptides] Abagian RA, et al. **Bioorg Khim** 1984 Apr;10(4):476-82 (Eng. Abstr.) **(Rus)**

[Contribution of NMR spectroscopy to the study of structure-function relations of proteins and peptides] Bystrov VF. **Bioorg Khim** 1984 Aug;10(8):997-1043 (154 ref.) (Eng. Abstr.) **(Rus)**

[Separation of cholesterol-specific cytochrome P-450 regions and their localization in the polypeptide chain] Chashchin VL, et al. **Bioorg Khim** 1983 Dec;9(12):1690-2 (Eng. Abstr.) **(Rus)**

[Primary structure of cDNA of Bos taurus kappa-casein macropeptide] Gorodetskiĭ SI, et al. **Bioorg Khim** 1983 Dec; 9(12):1693-5 (Eng. Abstr.) **(Rus)**

[Hydratation of the rubredoxin polypeptide chain from data on the spatial structure] Chirgadze IuN, et al. **Mol Biol (Mosk)** 1984 Jul-Aug;18(4):994-1000 (Eng. Abstr.) **(Rus)**

[Cyclic conformation of parallel polypeptide chains closed by cross bridges] Pirtskhalava MK, et al. **Mol Biol (Mosk)** 1985 Mar-Apr;19(2):479-82 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

In vitro and in vivo studies of drug-releasing poly(amino acids). Anderson JM. **Ann NY Acad Sci** 1985;446:67-75

NEWARK PUBLIC LIBRARY

Cerebroventricular bombesin inhibits gastric acid secretion in dogs. Pappas T, et al. **Gastroenterology** 1985 Jul; 89(1):43-8

Successful ventricular application of the miniaturized controlled-delivery Accurel technique for sustained enhancement of cerebrospinal fluid peptide levels in the rat. Boer GJ, et al. **J Neurosci Methods** 1984 Sep; 11(4):281-9

Suppression of gastric acid secretion by intracisternal bombesin does not require the ventromedial hypothalamus. Gunion MW, et al. **Life Sci** 1984 Oct 22;35(17):1769-75

[Short-chain peptides in parenteral nutrition] Fürst P. **Infusionsther Klin Ernahr** 1985 Apr;12(2):70-6 (Eng. Abstr.) **(Ger)**

[Dissociation behavior of peptide diets] Viell B, et al. **Infusionsther Klin Ernahr** 1984 Aug;11(4):197-201 (Eng. Abstr.) **(Ger)**

ANALYSIS

Identification of insulin-like growth factor-I and its receptors in the rat testis. Handelsman DJ, et al. **Acta Endocrinol (Copenh)** 1985 Aug;109(4):543-9

Certain characteristic features of the lipolytic factor from rat submaxillary salivary glands. Zimowska U. **Acta Physiol Pol** 1983 Sep-Dec;34(5-6):555-62

Gastrin-releasing peptide, a mammalian analog of bombesin, is present in human neuroendocrine lung tumors. Bostwick DG, et al. **Am J Pathol** 1984 Nov;117(2):195-200

Peptide mapping of basic proteins by proteolysis in acetic acid/urea-minislab polyacrylamide gels. Davie JR. **Anal Biochem** 1985 Feb 1;144(2):522-6

Quantitation of protein by alkaline extraction of naphthol blue black-stained polypeptides in sodium dodecyl sulfate-polyacrylamide slab-gels. Everitt E, et al. **Anal Biochem** 1984 Aug 15;141(1):17-24

Identification of cysteine-containing peptides in protein digests by high-performance liquid chromatography. Fullmer CS. **Anal Biochem** 1984 Nov 1;142(2):336-9

Microsequence analysis of peptides and proteins. V. Design and performance of a novel gas-liquid-solid phase instrument. Hawke DH, et al. **Anal Biochem** 1985 Jun; 147(2):315-30

Factors affecting the assay of histone H1 and polylysine by binding of Coomassie blue G. Lea MA, et al. **Anal Biochem** 1984 Sep;141(2):390-6

Colorimetric determination of microgram quantities of polylysine by trypan blue precipitation. Shen WC, et al. **Anal Biochem** 1984 Nov 1;142(2):521-4

Labeling of cysteine-containing peptides with 2-nitro-5-thiobenzoic acid. Sliwkowski MX, et al. **Anal Biochem** 1985 Jun;147(2):369-73

Synthesis of side chain-protected amino acid phenylthiohydantoins and their use in quantitative solid-phase Edman degradation. Steiman DM, et al. **Anal Biochem** 1985 Feb 15;145(1):91-5

A radioassay for nonoxidized methionine in peptides. A method for identifying (after isoelectric focusing) and for estimating biologically active forms of corticotropin and other hormones. Storring PL, et al. **Anal Biochem** 1984 Aug 15;141(1):43-54

Pentafluorobenzenesulfonyl chloride: a new electrophoric derivatizing reagent with application to tyrosyl peptide determination by gas chromatography with electron capture detection. Sentissi A, et al. **Anal Chem** 1984 Nov; 56(13):2512-7

Alterations in regional brain concentrations of neurotensin and bombesin in Parkinson's disease. Bissette G, et al. **Ann Neurol** 1985 Apr;17(4):324-8

The nature and regulation of the receptors for insulin-like growth factors. Rechler MM, et al. **Annu Rev Physiol** 1985; 47:425-42 (61 ref.)

Tissue polypeptide antigen immunoreactivity in human semen. Lizana J, et al. **Arch Androl** 1984;13(2-3):273-8

A photosystem II-phycobilisome preparation from the red alga, Porphyridium cruentum: oxygen evolution, ultrastructure, and polypeptide resolution. Clement-Metral JD, et al. **Arch Biochem Biophys** 1985 Apr;238(1):10-7

Differences of expression of cytokeratin polypeptides in various epithelial skin tumors. Moll R, et al. **Arch Dermatol Res** 1984;276(6):349-63

Immunoelectron microscopic studies on the localization of peptidoglycan peptide subunit pentapeptides in bacterial cell walls. Seidl PH, et al. **Arch Microbiol** 1985 Jul; 142(2):121-7

Machupo virus polypeptides: identification by immunoprecipitation. Lukashevich IS, et al. **Arch Virol** 1985;86(1-2):85-99

European isolates of bovine herpesvirus 1: a comparison of restriction endonuclease sites, polypeptides, and reactivity with monoclonal antibodies. Metzler AE, et al. **Arch Virol** 1985;85(1-2):57-69

Homology between legumin-like polypeptides from cereals and pea. Robert LS, et al. **Biochem J** 1985 Mar 15; 226(3):847-52

Topographical studies of the polypeptide subunits of the thylakoid cytochrome b6-f complex. Ortiz W, et al. **Biochim Biophys Acta** 1985 Jun 26;808(1):164-70

The amino acid sequence of pancreatic spasmolytic polypeptide. Thim L, et al. **Biochim Biophys Acta** 1985 Mar 1;827(3):410-8

The light-harvesting polypeptides of Rhodopseudomonas viridis. The complete amino-acid sequences of B1015-alpha, B1015-beta and B1015-gamma. Brunisholz RA, et al. **Biol Chem Hoppe Seyler** 1985 Jan;366(1):87-98

Proposal for a common nomenclature for sequence ions in mass spectra of peptides [letter] Roepstorff P, et al. **Biomed Mass Spectrom** 1984 Nov;11(11):601

Vibrational circular dichroism in amino acids and peptides. 10. Fourier transform VCD and Fourier self-deconvolution of the amide I region of poly(gamma-benzyl-L-glutamate). Lipp ED, et al. **Biopolymers** 1985 May;24(5):799-812

Polypeptide compositions of amoebae of the cellular slime mould Dictyostelium discoideum separated by partitioning during development. Sharpe PT, et al. **Biosci Rep** 1985 Feb;5(2):121-7

Somatostatin-like immunoreactivity within neuritic plaques. Armstrong DM, et al. **Brain Res** 1985 Jul 8;338(1):71-9

Effects of lesions in the amygdala and periventricular hypothalamus on striatal somatostatin-like immunoreactivity. Beal MF, et al. **Brain Res** 1985 Mar 25; 330(2):309-16

Substance P-, somatostatin-, vasoactive intestinal peptide- and cholecystokinin-like levels in the spinal cord of polyarthritic rats. Chery-Croze S, et al. **Brain Res** 1985 Jul 22;339(1):183-5

Biochemical and histochemical characterization of ranatensin immunoreactive peptides in rat brain: lack of coexistence with bombesin/GRP. Chronwall BM, et al. **Brain Res** 1985 Jul 8;338(1):97-113

The development of rat brain bombesin-like peptides and their receptors. Gillati MT, et al. **Brain Res** 1984 Aug; 317(2):286-9

Immunoreactive somatostatin in the rat retina: light microscopic immunocytochemistry and chromatographic characterization. Sagar SM, et al. **Brain Res** 1985 Jun 17; 336(2):235-42

A study on the clinical usefulness of tissue polypeptide antigen in various blood diseases. Kageyama T, et al. **Bull Osaka Med Sch** 1983 Oct;29(2):55-61

Polyacrylamide gel electrophoresis of Bacteroides succinogens. Begbie R, et al. **Can J Microbiol** 1984 Jun; 30(6):863-6

The clinical value of tissue polypeptide antigen in patients with gynecologic tumors. Inoue M, et al. **Cancer** 1985 Jun 1;55(11):2618-23

Reexpression of fetal characters in simian virus 40-transformed human keratinocytes. Bernard BA, et al. **Cancer Res** 1985 Apr;45(4):1707-16

Changes in polypeptide pattern of rat liver cells during chemical hepatocarcinogenesis. Sugioka Y, et al. **Cancer Res** 1985 Jan;45(1):365-78

Angiography and complement activation. Evidence for generation of C3a anaphylatoxin by intravascular contrast agents. Westaby S, et al. **Cardiovasc Res** 1985 Feb; 19(2):85-8

Coexistence of PP- and glucagon-like-immunoreactivity in endocrine cells of gut and pancreas of mouse and a stomachless fish Barbus conchonius. Rombout JH, et al. **Cell Biol Int Rep** 1985 Jun;9(6):520

Amino acids and peptides. XII. Synthesis of C-terminal decapeptide of bovine pancreatic ribonuclease A (RNase A) and its analogs and determination of their ability to reactivate Des(121-124) RNase A. Okada Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Nov;32(11):4585-92

Identification of polypeptides on two-dimensional electrophoresis gels by amino acid composition. Latter GI, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):1925-32

Stability of bombesin in serum, plasma, urine, and culture media. Tateishi K, et al. **Clin Chem** 1985 Feb;31(2):276-8

Development of cells containing catecholamines and somatostatin-like immunoreactivity in neural crest cultures: relationship of DNA synthesis to phenotypic expression. Maxwell GD, et al. **Dev Biol** 1985 Mar;108(1):203-9

Characterization of peptide histidine isoleucine-like immunoreactivity in the rat, human, guinea-pig and cat gastrointestinal tracts--evidence of species differences. Christofides ND, et al. **Digestion** 1984;30(3):165-70

Analysis of the distribution of charged residues in the N-terminal region of signal sequences: implications for protein export in prokaryotic and eukaryotic cells. von Heijne G. **EMBO J** 1984 Oct;3(10):2315-8

Tissue polypeptide antigen (TPA) is related to the non-epidermal keratins 8, 18 and 19 typical of simple and non-squamous epithelia: re-evaluation of a human tumor marker. Weber K, et al. **EMBO J** 1984 Nov;3(11):2707-14

Mass spectrometry: application to steroid and peptide research. Shackleton CH. **Endocr Rev** 1985 Summer; 6(3):441-86 (435 ref.)

A nonamidated peptide homologous to porcine peptide YY and neuropeptide YY. Andrews PC, et al. **Endocrinology** 1985 Jun;116(6):2677-81

Distribution of peptide histidine isoleucine in the mammalian respiratory tract and some aspects of its pharmacology. Christofides ND, et al. **Endocrinology** 1984 Nov; 115(5):1958-63

An osmometric method for the bioassay of vasotocin and related peptides in the toad bladder. Eggena P. **Endocrinology** 1984 Dec;115(6):2104-12

Reversible chemical cross-linking of the light-harvesting polypeptides of Rhodopseudomonas viridis. Ludwig FR, et al. **Eur J Biochem** 1985 Aug 15;151(1):83-7

p150/95, Third member of the LFA-1/CR3 polypeptide family identified by anti-Leu M5 monoclonal antibody. Lanier LL, et al. **Eur J Immunol** 1985 Jul;15(7):713-8

Characterization of polypeptides from human nuclear cataracts by Western blot analysis. Takemoto LJ, et al. **Exp Eye Res** 1985 Feb;40(2):205-12

N-terminal amino acid sequence of an insect neurohormone, melanization and reddish coloration hormone (MRCH): heterogeneity and sequence homology with human insulin-like growth factor II. Matsumoto S, et al. **FEBS Lett** 1985 Sep 9;189(1):115-8

PHI-like immunoreactivity in the gallbladder and in vitro effect of porcine PHI on smooth muscle of the gallbladder. Yiangou Y, et al. **FEBS Lett** 1984 Oct 1;175(2):307-12

The level of some tissue peptides and their neutral sugar composition in streptozotocin diabetic rats. Guzdek A, et al. **Folia Biol (Krakow)** 1984;32(1-2):17-22

Detection of gastric cancer by a combination of tissue polypeptide antigen (TPA), lipid-bound sialic acid (LBSA) and carcinoembryonic antigen (CEA). Uehara Y, et al. **Gastroenterol Jpn** 1984 Oct;19(5):424-9

Beta-endorphinlike immunoreactivity and somatostatinlike immunoreactivity in normal gastric mucosa, muscle layer, and adenocarcinoma. Tari A, et al. **Gastroenterology** 1985 Mar;88(3):670-4

Maternal and cord serum levels of tissue polypeptide antigen (TPA) in normal pregnancies. Bremme K, et al. **Gynecol Obstet Invest** 1985;19(3):118-23

Peptide YY (PYY) immunoreactivity is co-stored with glucagon-related immunoreactants in endocrine cells of the gut and pancreas. Ali-Rachedi A, et al. **Histochemistry** 1984;80(5):487-91

Immunocytochemical localization of peptidergic neurons and neurosecretory cells in the neuro-endocrine system of the Colorado potato beetle with antisera to vertebrate regulatory peptides. Veenstra JA, et al. **Histochemistry** 1985;82(1):9-18

Immunocytochemical localization of gastrin-releasing peptide/bombesin-like immunoreactive neurons in insects. Veenstra JA, et al. **Histochemistry** 1984;81(2):133-8

Immunoreactive neuron-specific enolase, bombesin, and chromogranin as markers for neuroendocrine lung tumors. Said JW, et al. **Hum Pathol** 1985 Mar;16(3):236-40

Behavior of transforming growth factors in serum-free media: an improved assay for transforming growth factors. Rizzino A. **In Vitro** 1984 Oct;20(10):815-22

Analysis of polypeptide composition and antigenic components of Rickettsia tsutsugamushi by polyacrylamide gel electrophoresis and immunoblotting. Tamura A, et al. **Infect Immun** 1985 Jun;48(3):671-5

New bovine adrenal medullary peptide and its precursor. Brandau DT, et al. **Int J Pept Protein Res** 1985 Mar; 25(3):238-41

Self-association and solubility of peptides. Solvent-titration study of protected C-terminal segments of porcine secretin. Toniolo C, et al. **Int J Pept Protein Res** 1985 Apr; 25(4):425-30

Regional differences in luminal fluid polypeptides of the rat testis and epididymis revealed by two-dimensional gel electrophoresis. Olson GE, et al. **J Androl** 1985 Jan-Feb; 6(1):20-34

Metachromatic staining patterns of basic proline-rich proteins from rat and human saliva in sodium dodecyl sulfate-polyacrylamide gels. Humphreys-Beher MG, et al. **J Appl Biochem** 1984 Oct-Dec;6(5-6):353-60

A fast and sensitive micromethod for the manual sequencing of peptides using O-phthalaldehyde as derivatizing reagent. Ceccarelli EA, et al. **J Biochem Biophys Methods** 1984 Nov;10(1-2):49-54

Application of a fluorogenic reagent, ammonium 7-fluorobenzo-2-oxa-1,3-diazole-4-sulfonate for detection of cystine-containing peptides. Sueyoshi T, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1811-3

Amino acid sequences of helospectins, new members of the glucagon superfamily, found in Gila monster venom. Parker DS, et al. **J Biol Chem** 1984 Oct 10;259(19):11751-5

A functional prolipoprotein signal peptide with a deletion of four amino acid residues from the hydrophobic region. Pollitt S, et al. **J Biol Chem** 1985 Jul 5;260(13):7965-9

Amino acid sequence of the Anthopleura xanthogrammica heart stimulant, anthopleurin-B. Reimer NS, et al. **J Biol Chem** 1985 Jul 25;260(15):8690-3

HLA-D region antigen-associated invariant polypeptides as revealed by two-dimensional gel analysis. Glycosylation and structural inter-relationships. Rudd CE, et al. **J Biol Chem** 1985 Feb 10;260(3):1927-36

Why does Coomassie Brilliant Blue R interact differently with different proteins? A partial answer. Tal M, et al. **J Biol Chem** 1985 Aug 25;260(18):9976-80

Cell type specific electrophoretic polypeptide profiles of cultured bovine cells. Lincoln DW 2d, et al. **J Cell Sci** 1984 Dec;72:135-45

High-performance liquid chromatographic separation of serum erythrotropin and erythropoietin. Congote LF. **J Chromatogr** 1984 Oct 12;310(2):396-400

Isolation of tryptic peptides of myelin basic protein by reversed-phase high-performance liquid chromatography. Deibler GE, et al. **J Chromatogr** 1985 Jun 19;326:433-42

Analysis and characterisation of aromatic amino acids, metabolites and peptides by rapid-scanning photodiode array detection in high-performance liquid chromatography. Fell AF, et al. **J Chromatogr** 1984 Aug 3;297:203-14

High-performance liquid chromatography of amino acids, peptides and proteins. LVIII. Application of reversed-phase high-performance liquid chromatography to the separation of tyrosine-specific phosphorylated polypeptides related to human growth hormone. Grego B, et al. **J Chromatogr** 1984 Aug 3;297:21-9

High-performance liquid chromatography of amino acids, peptides and proteins. LXIII. Reversed-phase high-performance liquid chromatographic characterisation of several polypeptide and protein hormones. Grego B, et al. **J Chromatogr** 1984 Dec 7;336(1):25-40

Purification and peptide mapping of calmodulin and its chemically modified derivatives by reversed-phase high-performance liquid chromatography. Manalan AS, et al. **J Chromatogr** 1985 Jun 19;326:387-97

Reaction detector system for the simultaneous monitoring of primary amino groups and sulfhydryl groups in peptides eluted by high-performance liquid chromatography. Nika H. **J Chromatogr** 1984 Aug 3;297:261-70

Simple and rapid identification of phosphorylated peptides from bovine brain myelin basic protein by reversed-phase high-performance liquid chromatography. Shoji S, et al. **J Chromatogr** 1985 Feb 20;319(3):359-66

Development of a system to simplify identification of peptides and their catabolites in a high-performance liquid chromatographic effluent. Soparkar CN, et al. **J Chromatogr** 1985 Jan 11;337(1):110-3

Sequence analysis of derivatized peptides by high-performance liquid chromatography-mass spectrometry. Yu TJ, et al. **J Chromatogr** 1984 Oct 5; 301(2):425-40

Opioid peptides in human adrenal: partial characterization and presence of adrenal peptide E. Boarder MR, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):658-65

Insulin-like growth factors in amniotic fluid. Merimee TJ, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):752-5

Chromosomes and sex differentiation in eutherians. Müller U. **J Embryol Exp Morphol** 1984 Nov;83 Suppl:41-9

Multiple forms of somatostatin-like immunoreactivity in the hypothalamus and amygdala of the rat: selective localization of somatostatin-28 in the median eminence. Pierotti AR, et al. **J Endocrinol** 1985 Jun;105(3):383-9

Cross-phyletic bioactivity of arthropod neurohormones and molluscan ganglion extracts: evidence of an extended peptide family. Greenberg MJ, et al. **J Exp Zool** 1985 Mar; 233(3):337-46

Quantification of respiratory syncytial virus polypeptides in nasal secretions by monoclonal antibodies. Hendry RM, et al. **J Gen Virol** 1985 Aug;66 (Pt 8):1705-14

Cytokeratin polypeptide patterns of different epithelia of the human male urogenital tract: immunofluorescence and gel electrophoretic studies. Achtstätter T, et al. **J Histochem Cytochem** 1985 May;33(5):415-26

Endogenous somatostatin-like peptides of rat basophilic leukemia cells. Goetzl EJ, et al. **J Immunol** 1985 Oct; 135(4):2707-12

Analysis of lymphocyte proteins from New Zealand black mice by two-dimensional gel electrophoresis. Lal RB, et al. **J Immunol** 1985 Apr;134(4):2350-6

A mild procedure for separating polypeptide chains prior to immunoprecipitation and western blotting analysis. Cohen BB, et al. **J Immunol Methods** 1984 Dec 14; 75(1):99-105

Clinical evaluation of a monoclonal assay for hepatitis B surface antigen: identification of 'HBsAg-like' polypeptides non-reactive in conventional radioimmunoassays. Karayiannis P, et al. **J Med Virol** 1985 Mar;15(3):291-303

Signal sequences. The limits of variation. von Heijne G. **J Mol Biol** 1985 Jul 5;184(1):99-105

Bioactive marine metabolites, IV. Isolation and the amino acid composition of discodermin A, an antimicrobial peptide, from the marine sponge Discodermia kiiensis. Matsunaga S, et al. **J Nat Prod** 1985 Mar-Apr;48(2):236-41

The subcellular distribution of peptide histidine isoleucine amide-27-like peptides in rat brain and their release from rat cerebral cortical slices in vitro. Korchak DM, et al. **J Neurochem** 1985 Jan;44(1):255-9

Immunocytochemical mapping of 1B236, a brain-specific neuronal polypeptide deduced from the sequence of a cloned mRNA. Bloom FE, et al. **J Neurosci** 1985 Jul; 5(7):1781-802

A role for bombesin in sensory processing in the spinal cord. O'Donohue TL, et al. **J Neurosci** 1984 Dec;4(12):2956-62

The co-occurrence of a substance P-like peptide and cholecystokinin-8 in a fiber system of turtle cortex. Reiner A, et al. **J Neurosci** 1985 Jun;5(6):1527-44

Localization, chromatographic characterization, and development of somatostatin-like immunoreactivity in the guinea pig retina. Spira AW, et al. **J Neurosci** 1984 Dec; 4(12):3069-79

Characterization of high molecular weight forms of peptide drugs in vivo. Okumura K, et al. **J Pharmacobiodyn** 1984 Dec;7(12):917-22

Characterization of the major immediate-early polypeptides encoded by murine cytomegalovirus. Keil GM, et al. **J Virol** 1985 May;54(2):422-8

Nucleotide and amino acid sequence coding for polypeptides of foot-and-mouth disease virus type A12. Robertson BH, et al. **J Virol** 1985 Jun;54(3):651-60

Isolation by high-performance liquid chromatography and partial characterization of a 57,000-dalton herpes simplex virus type 1 polypeptide. Welling-Wester S, et al. **J Virol** 1985 May;54(2):265-70

Mouse monoclonal antibody to embryonic antigen: development, cross-reactivity with rodent and human tumors, and preliminary polypeptide characterization. Payne WJ Jr, et al. **JNCI** 1985 Sep;75(3):527-44

Non-thymic peptide complexes as immunobiologically active systems. Some properties of peptide complex system (PCS) of various origins. Turowski G, et al. **Mater Med Pol** 1985 Jan-Mar;17(1):3-8

The subcellular distribution of peptides immunoreactive for the carboxyl-terminal extension of cholecystokinin in rat brain. Allard LR, et al. **Neuropeptides** 1985 Jun;6(3):239-45

Characterization of a high molecular weight polypeptide from spinal cord with (Leu) enkephalin-immunoreactivity. Wahlström A, et al. **Neuropeptides** 1985 Feb;5(4-6):509-12

Combination of tissue polypeptide antigen (TPA) and carcino embryonic antigen (CEA) in different types of cancer. Falcone F, et al. **Nucl Med Commun** 1985 May;6(5):299-304

Determination of tissue polypeptide antigen (TPA) levels in different cancer types and controls. Mross KB, et al. **Oncology** 1985;42(5):288-95

Regulatory peptides--the distribution of two newly discovered peptides: PHI and NPY. Polak JM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:79-89 (41 ref.)

Structure of the signal recognition particle by electron microscopy. Andrews DW, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):785-9

Detection of larger polypeptides structurally and functionally related to type I transforming growth factor. Linsley PS, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):356-60

The small cardioactive peptides A and B of Aplysia are derived from a common precursor molecule. Mahon AC, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3925-9

Analysis of neuroblastoma cell proteins using two-dimensional electrophoresis. Hanash SM, et al. **Prog Clin Biol Res** 1985;175:261-8

Functional organization of the placental alkaline phosphatase polypeptide chain. Jemmerson R, et al. **Prog Clin Biol Res** 1984;166:105-15

Coexistence of peptide YY and glicentin immunoreactivity in endocrine cells of the gut. Böttcher G, et al. **Regul Pept** 1984 Jul;8(4):261-6

Bombesin, neurotensin and pro-gamma-melanotropin immunoreactants in human milk. Ekman R, et al. **Regul Pept** 1985 Mar;10(2-3):99-105

A model of the structural organization of rubella virions. Waxham MN, et al. **Rev Infect Dis** 1985 Mar-Apr;7 Suppl 1:S133-9

Serum tissue polypeptide antigen in chronic pancreatic disease. Does hepatic damage have any influence? Panucci A, et al. **Ric Clin Lab** 1984 Jul-Sep;14(3):425-9

A study on serum cancer-suppressive peptide. Bai R, et al. **Sci Sin [B]** 1984 Nov;27(11):1162-70

A study of antigenic variants of foot-and-mouth disease virus by polyacrylamide gel electrophoresis of their structural polypeptides. Knowles NJ, et al. **Vet Microbiol** 1985 Jun; 10(4):347-57

Amino-acid sequence of the coeliac active gliadin peptide B 3142. Wieser H, et al. **Z Lebensm Unters Forsch** 1984 Nov;179(5):371-6

The relationship to knobs of the 92,000 D protein specific for knobby strains of Plasmodium falciparum. Vernot-Hernandez JP, et al. **Z Parasitenkd** 1985; 71(1):41-51

[Immunodetermination of peptide factors. I. Synthesis of N-alpha-maleoyl-peptide derivatives] Wünsch E, et al. **Biol Chem Hoppe Seyler** 1985 Jan;366(1):53-61 (Eng. Abstr.) **(Ger)**

[A new peptide alkaloid from Discaria febrifuga Mart] Herzog R, et al. **Hoppe Seylers Z Physiol Chem** 1984 Nov; 365(11):1351-4 (Eng. Abstr.) **(Ger)**

[Tissue polypeptide antigen (TPA) and plasma TPA levels during the postoperative course in female primary breast carcinoma patients. 1st results of a long-term study] Mross K, et al. **Onkologie** 1985 Apr;8(2):114-23 (Eng. Abstr.) **(Ger)**

[Immunohistochemical and serological demonstration of thyreoglobulin tissue polypeptide antigen, carcinoembryonic antigen and calcitonin in diversely differentiated thyroid gland carcinomas and thyroid gland adenomas] Vogel J, et al. **Pathologe** 1985 May;6(3):133-40 **(Ger)**

[The tumor markers TPA and CEA in the after care of breast cancer] Beaufort F, et al. **Wien Med Wochenschr** 1985 Feb 28;135(4):85-8 (Eng. Abstr.) **(Ger)**

[TPA (tissue polypeptide antigen). Considerations on its normal values] Dalla Pria AF, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2-3):315-21 **(Ita)**

[Preliminary results of the clinical use of TPA (tissue polypeptide antigen)] Dalla Pria AF, et al. **Arch De Vecchi Anat Patol** 1983 Jul;65(2-3):301-13 **(Ita)**

[Ferritin, CEA and TPA as tumor markers in breast neoplasms] Bonanni F, et al. **Minerva Med** 1985 Sep 15; 76(34-35):1533-4 (Eng. Abstr.) **(Ita)**

[Experience in the use of the tumor markers CEA, GICA and TPA in the postoperative monitoring of colorectal neoplasms] Morelli M, et al. **Minerva Med** 1985 Sep 15; 76(34-35):1529-31 (Eng. Abstr.) **(Ita)**

[The clinical evaluation of serum tissue polypeptide antigen (TPA) in hepatocellular carcinoma] Tanaka N, et al. **Fukuoka Igaku Zasshi** 1984 Sep;75(9):568-73 (Eng. Abstr.) **(Jpn)**

[Clinical study of the measurement of tissue polypeptide antigen in patients with breast cancer] Fukunaga M, et al. **Gan No Rinsho** 1985 Jul;31(8):923-8 (Eng. Abstr.) **(Jpn)**

[Studies on CA 125, CA 19-9, TPA and IAP as tumor markers in patients with ovarian cancer] Negishi Y, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):655-63 (Eng. Abstr.) **(Jpn)**

[Clinical utility of tumor markers in gastric and colon cancer] Ogawa K, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):638-47 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of tissue polypeptide antigen in patients with esophageal, stomach and colon cancer] Ogoshi K, et al. **Gan No Rinsho** 1984 Aug;30(10):1299-302 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of CA 19-9, TPA, IAP and 5'-NPD-V as tumor markers of hepatocellular, bile duct and pancreas carcinoma] Takahashi H, et al. **Gan No Rinsho** 1985 May; 31(6 Suppl):623-30 (Eng. Abstr.) **(Jpn)**

[Tissue polypeptide antigen as a tumor marker of brain tumors] Sonoda H, et al. **Neurol Med Chir (Tokyo)** 1984 Sep;24(9):655-62 (Eng. Abstr.) **(Jpn)**

[Tissue polypeptide antigen in breast cancer] Nomizu T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Dec 20; 19(10):2287-95 (Eng. Abstr.) **(Jpn)**

[Tissue polypeptide antigen in thyroid cancer] Nomizu T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Jul 20; 19(6):1289-95 (Eng. Abstr.) **(Jpn)**

[Clinical usefulness of serum TPA, IAP and CEA levels in gynecological cancer] Saitoh S, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Aug 20;19(7):1496-504 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of serum tissue polypeptide antigen (TPA) in patients with colo-rectal cancer] Yukawa H, et al. **Nippon Geka Hokan** 1984 Mar 1;53(2):433-6 (Eng. Abstr.) **(Jpn)**

[A study on salivary peptide P-C with special reference to intracellular localization of salivary peptide P-C like immunoreactivity in the human pancreatic B-cells] Ito S, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Sep 20; 60(9):1080-90 (Eng. Abstr.) **(Jpn)**

[A study on tumor marker of tissue-polypeptide-antigen (TPA) in gynecologic malignancies] Nakajima H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct; 36(10):1877-83 (Eng. Abstr.) **(Jpn)**

[Clinical significance of tissue polypeptide antigen in colorectal cancer] Uehara Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Aug;81(8):1767-72 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies on a TPA kit, Prolifigen] Ayabe Z, et al. **Radioisotopes** 1985 Apr;34(4):230-3 **(Jpn)**

[Recent progress in brain-gut peptide research] Yanaihara N. **Seikagaku** 1984 Apr;56(4):219-34 (92 ref.) **(Jpn)**

[Primary structure of rhodopsin. I. Cyanogen bromide degradation peptides] Artamonov ID, et al. **Bioorg Khim** 1983 Oct;9(10):1301-16 (Eng. Abstr.) **(Rus)**

[High-performance exclusion liquid chromatography of protected peptides on soft and semi-solid gels] Deigin VI, et al. **Bioorg Khim** 1983 May;9(5):616-27 (Eng. Abstr.) **(Rus)**

[The polypeptide composition of cytochrome oxidase from the bovine heart muscle] Filatov IA, et al. **Bioorg Khim** 1985 Feb;11(2):192-5 (Eng. Abstr.) **(Rus)**

[Visual rhodopsin. III. Complete amino acid sequence and topography in a membrane] Ovchinnikov IuA, et al. **Bioorg Khim** 1983 Oct;9(10):1331-40 (Eng. Abstr.) **(Rus)**

[Primary structure of rhodopsin. II. Chymotrypsin hydrolysis peptides] Zolotarev AS, et al. **Bioorg Khim** 1983 Oct; 9(10):1317-30 (Eng. Abstr.) **(Rus)**

[Immunochemical identification of the growth hormone and prolactin in the hypophyseal polypeptide spectrum of chickens] Barabanov VM. **Biull Eksp Biol Med** 1985 Aug; 100(8):219-21 (Eng. Abstr.) **(Rus)**

[Internal homology in the primary structure of the polyprotein of the poliovirus: the possible existence of 2 viral proteinases] Blinov VM, et al. **Dokl Akad Nauk SSSR** 1985;281(4):984-7 **(Rus)**

[Computer analysis of internal homology in the precursor of epidermal growth factor: detection of coerphins--a second independent family of homologous peptides] Pozdniakov VI, et al. **Dokl Akad Nauk SSSR** 1985 May-Jun;282(1):215-20 **(Rus)**

[B-activin and immunocorrection] Petrov RV, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):41-4 (Eng. Abstr.) **(Rus)**

[Analysis of polypeptides of virus-specific informosomes induced by tobacco mosaic virus and potato virus X] Dorokhov IuL, et al. **Mol Biol (Mosk)** 1984 Jul-Aug; 18(4):1001-10 (Eng. Abstr.) **(Rus)**

[Tumor markers in breast cancer] Polevaia EB, et al. **Sov Med** 1985;(3):25-9 (Eng. Abstr.) **(Rus)**

[Polypeptide and phospholipid composition of the Rickettsia prowazekii membrane and its immunogenic properties] Zezerov EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jun;(6):6-13 (Eng. Abstr.) **(Rus)**

[Concentration of regulatory peptides in the cerebral cortex and their central activity] Ashmarin IP, et al. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr;35(2):211-21 (68 ref.) **(Rus)**

ANTAGONISTS & INHIBITORS

Partial purification of a specific inhibitor of the insulin-like

NEWARK PUBLIC LIBRARY

growth factors by reversed-phase high-performance liquid chromatography. Kuffer AD, et al. **J Chromatogr** 1984 Dec 7;336(1):87-92

The antagonism of bombesin in the CNS by substance P analogues. Yachnis AT, et al. **Life Sci** 1984 Nov 5; 35(19):1963-9

Somatostatin inhibits bombesin-induced effects on migrating myoelectric complexes in the small intestine of the rat. Al-Saffar A. **Regul Pept** 1984 Sep;9(1-2):11-9

[Synthesis of dipeptide derivatives of indomethacin as potential antagonists of chemotactic compounds] Kolwas J, et al. **Acta Pol Pharm** 1984;41(5):541-6 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

Polypeptide synthesis in Junín virus-infected BHK-21 cells. De Mitri MI, et al. **Acta Virol (Praha)** 1985 Mar; 29(2):97-103

Kinetically controlled semisynthesis of beta-lactam antibiotics and peptides. Kasche V, et al. **Ann NY Acad Sci** 1984;434:99-105

Stimulation of growth factor production in cultured cells by biotin. Moskowitz M, et al. **Ann NY Acad Sci** 1985; 447:212-21

Mycocerein, a novel antifungal peptide antibiotic produced by Bacillus cereus. Wakayama S, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):939-40

Dengue virus induced polypeptide synthesis. Brief report. Ozden S, et al. **Arch Virol** 1985;85(1-2):129-37

Variables that regulate production of insulin-like peptide(s) in human leukemia cell line (HL-60). Yamanouchi T, et al. **Biochem Biophys Res Commun** 1985 May 31; 129(1):293-9

The effect of leucovorin on the synthesis of methotrexate poly-gamma-glutamates in the MCF-7 human breast cancer cell line. Kennedy DG, et al. **Biochem Pharmacol** 1985 Aug 15;34(16):2897-903

The effect of the rate of cell proliferation on the synthesis of methotrexate poly-gamma-glutamates in two human breast cancer cell lines. Kennedy DG, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3087-90

Production of leukemic blast growth factor by a human bladder carcinoma cell line. Hoang T, et al. **Blood** 1985 Sep;66(3):748-51

Secretion of transforming growth factors by primary human tumour cells. Hamburger AW, et al. **Br J Cancer** 1985 Jan; 51(1):9-14

Elevated growth factor levels in transformed mouse embryo cells treated with N,N-dimethylformamide. Levine AE, et al. **Cancer Res** 1985 Jan;45(1):108-11

Developmental regulation of protein synthesis in Hymenolepis diminuta: 2-dimensional electrophoretic and fluorographic analysis of polypeptide synthesis in formation of brush border membranes. Siddiqui AA, et al. **Cell Mol Biol** 1985;31(3):209-16

Pituitary ACTH dependent Cushing's syndrome due to ectopic production of a bombesin-like peptide by a medullary carcinoma of the thyroid. Howlett TA, et al. **Clin Endocrinol (Oxf)** 1985 Jan;22(1):91-101

Structure and multistep activation of the precursors of peptides from honeybee venom glands and frog skin. Kreil G. **Curr Top Cell Regul** 1984;24:261-72

Neonatal rat islet cell cultures synthesize insulin-like growth factor I. Romanus JA, et al. **Diabetes** 1985 Jul;34(7):696-702

Production of insulin-like growth factor I and its binding protein by adult rat hepatocytes in primary culture. Scott CD, et al. **Endocrinology** 1985 Mar;116(3):1094-101

Incomplete polypeptides are formed in vitro by premature chain termination. Chroboczek J. **Eur J Biochem** 1985 Jun 18;149(3):565-9

Stimulation of peptidyltransferase reactions by a soluble protein. Ganoza MC, et al. **Eur J Biochem** 1985 Jan 15; 146(2):287-94

Biosynthesis and secretion of tremerogen A-10, a polyisoprenyl peptide mating pheromone of Tremella mesenterica. Miyakawa T, et al. **Eur J Biochem** 1985 Mar 15;147(3):489-93

Chymotrypsin modified with polyethylene glycol catalyzes peptide synthesis reaction in benzene. Matsushima A, et al. **FEBS Lett** 1984 Dec 10;178(2):275-7

Production of an auto-stimulatory growth factor by human hepatoma cells abrogates requirement for a brain-derived factor. Hoshi H, et al. **In Vitro Cell Dev Biol** 1985 Feb; 21(2):125-8

Biosynthesis of rat insulin-like growth factor II. I. Immunochemical demonstration of a approximately 20-kilodalton biosynthetic precursor of rat insulin-like growth factor II in metabolically labeled BRL-3A rat liver cells. Yang YW, et al. **J Biol Chem** 1985 Feb 25; 260(4):2570-7

Biosynthesis of rat insulin-like growth factor II. II. Localization of mature rat insulin-like growth factor II (7484 daltons) to the amino terminus of the approximately 20-kilodalton biosynthetic precursor by radiosequence analysis. Yang YW, et al. **J Biol Chem** 1985 Feb 25; 260(4):2578-82

Protein synthetic patterns of tissues in the early chick embryo. Lovell-Badge RH, et al. **J Embryol Exp Morphol** 1985 Feb;85:65-80

Accumulation of peptides by mycobacillin-negative mutants of Bacillus subtilis B3. Majumder S, et al. **J Gen Microbiol** 1985 Jan;131 (Pt 1):119-27

Polypeptide synthesis of Dugbe virus, a member of the Nairovirus genus of the Bunyaviridae. Cash P. **J Gen Virol** 1985 Jan;66 (Pt 1):141-8

Influence of diet on the development of gastrin- and somatostatin-like immunoreactivity in the stomach of rats. Okahata H, et al. **J Pediatr Gastroenterol Nutr** 1985 Jun; 4(3):463-7

An hypothesis for explaining the mechanism of translocation in peptide chain synthesis. Dounce AL. **J Theor Biol** 1985 Mar 7;113(1):157-62

Anaphylatoxin generation in multisystem organ failure. Heideman M, et al. **J Trauma** 1984 Dec;24(12):1038-43

Effects of estradiol on protein synthesis in the fibromuscular stroma from the guinea pig seminal vesicle. Weinberger MJ. **J Urol** 1985 Jun;133(6):1090-2

Identification of a new polypeptide coded by reovirus gene S1. Sarkar G, et al. **J Virol** 1985 Jun;54(3):720-5

Alteration of polypeptide synthesis and composition during differentiation of human leukemia cell line HL60. Yokota J, et al. **Leuk Res** 1984;8(6):1085-94

Cell surface expression of v-fms-coded glycoproteins is required for transformation. Roussel MF, et al. **Mol Cell Biol** 1984 Oct;4(10):1999-2009

Synthesis of multiple peptides from a larger precursor in the neuroendocrine caudo-dorsal cells of Lymnaea stagnalis. Geraerts WP, et al. **Neurosci Lett** 1985 May 14;56(2):241-6

gamma-Fluoromethotrexate: synthesis and biological activity of a potent inhibitor of dihydrofolate reductase with greatly diminished ability to form poly-gamma-glutamates. Galivan J, et al. **Proc Natl Acad Sci USA** 1985 May; 82(9):2598-602

Isolation and characterization of factors from wheat germ that exhibit eukaryotic initiation factor 4B activity and overcome 7-methylguanosine 5'-triphosphate inhibition of polypeptide synthesis. Lax S, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):330-3

Peptide hormone production associated with small cell lung cancer. Havemann K, et al. **Recent Results Cancer Res** 1985;97:65-76 (46 ref.)

[Formation of specific proteins and peptides in the rabbit uterus induced by estradiol] Sarkisian EG, et al. **Biol Nauki** 1984;(11):24-7 (Eng. Abstr.) **(Rus)**

[Stereochemistry of the transpeptidation reaction in the ribosome. The ribosome generates an alpha-helix in the synthesis of the protein polypeptide chain] Lim VI, et al. **Dokl Akad Nauk SSSR** 1985 Jan-Feb;280(1):235-9 **(Rus)**

[Genetic engineering of peptide hormones] Rubtsov PM, et al. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):267-77 (Eng. Abstr.) **(Rus)**

BLOOD

Insulin-like growth factor I and growth hormone in canine starvation. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1985 Feb;108(2):161-6

Immunoreactive IGF-II in serum of healthy subjects and patients with growth hormone disturbances and uraemia. Enberg G, et al. **Acta Endocrinol (Copenh)** 1984 Oct; 107(2):164-70

Serum thymidine activity and insulin-like growth factors in the neonatal period. Schimpff RM, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):140-4

Effects of clonidine on polypeptide and steroid hormone levels in man. A review. Carlström K. **Acta Obstet Gynecol Scand [Suppl]** 1985;132:33-4

Effect of certain factors modifying the lipid-mobilizing activity in vitro in the serum of rats during hypothermia. Gryczka-Dziadecka A, et al. **Acta Physiol Pol** 1983 Sep-Dec;34(5-6):501-5

Nocturnal variation in plasma levels of gastrin and somatostatin-like immunoreactivity in man. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1984 Apr;120(4):517-21

Diagnostic value of serum procollagen peptide measurements in alcoholic liver disease. Savolainen ER, et al. **Alcoholism (NY)** 1984 Jul-Aug;8(4):384-9

Use of plasma somatomedin-C/insulin-like growth factor I measurements to monitor the response to nutritional repletion in malnourished patients. Clemmons DR, et al. **Am J Clin Nutr** 1985 Feb;41(2):191-8

Similarities in structure and function of bovine serum erythrotropin and human insulin-like growth factor II: two fetal erythroid cell stimulating factors. Congote LF. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):653-9

The inhibition of platelet cyclo-oxygenase by aspirin is associated with the acetylation of a 72kDa polypeptide in the intracellular membranes. Hack N, et al. **Biochem J** 1984 Oct 1;223(1):105-11

Feeding premature infants with human milk or preterm milk formula. Effects on postnatal growth and on circulating concentrations of intermediary metabolites, amino acids, and regulatory peptides. Calvert SA, et al. **Biol Neonate** 1985;47(4):189-98

Calcitonin increases peripheral plasma somatostatin-like immunoreactivity levels in humans. Calabrò A, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30;60(6):1145-51

Development and validation of a specific radioimmunoassay for PHI in plasma. Fahrenkrug J, et al. **Clin Chim Acta** 1984 Nov 30;143(3):183-92

Studies in constitutionally tall adolescents: somatostatin decrease associated with growth hormone increase after TRH injection. Garcia Blanco M, et al. **Clin Endocrinol (Oxf)** 1984 Oct;21(4):459-63

Separation, isolation and amino acid composition of uremic peptides. Shaykh M, et al. **Clin Physiol Biochem** 1984; 2(1):1-13

Effect of diabetes and its control on insulin-like growth factors in the young subject with type I diabetes. Amiel SA, et al. **Diabetes** 1984 Dec;33(12):1175-9

Plasma glucagon and glucagon-like immunoreactive components in Type 1 (insulin-dependent) diabetic patients and normal subjects before and after an oral glucose load. Rovira A, et al. **Diabetologia** 1985 Feb;28(2):80-6

Sensitive radioimmunoassay for measurement of circulating peptide YY. Chen MH, et al. **Gastroenterology** 1984 Dec; 87(6):1332-8

Peptide YY radioimmunoassay [letter] Taylor IL. **Gastroenterology** 1985 Apr;88(4):1094-5

Insulin-like growth factors I and II of nonmammalian sera. Daughaday WH, et al. **Gen Comp Endocrinol** 1985 Aug; 59(2):316-25

A beta-type transforming growth factor, present in conditioned cell culture medium independent of cell transformation, may derive from serum. Stromberg K, et al. **J Cell Biochem** 1985;27(4):443-8

High pressure liquid chromatographic separation of an oxytocin/arginine vasotocin-like peptide from the plasma of patients with chronic renal failure. Amico JA, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):644-50

Insulin-like growth factors I and II: aging and bone density in women. Bennett AE, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):701-4

Serum levels of insulin-like growth factor (IGF) and IGF binding protein in constitutionally tall children and adolescents. Gourmelen M, et al. **J Clin Endocrinol Metab** 1984 Dec;59(6):1197-203

Peripheral plasma concentrations of somatostatin-like immunoreactivity in newborns and infants. Koshimizu T, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):78-82

Serum levels of insulin-like growth factor (IGF) and IGF binding protein in insulin-dependent diabetics during an episode of severe metabolic decompensation and the recovery phase. Rieu M, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):781-5

In search of early pregnancy factor: characterisation of active polypeptides isolated from pregnant ewes' sera. Wilson S, et al. **J Reprod Immunol** 1984 Jul;6(4):253-60

Problems in the identification and measurement of a sodium transport inhibitor in human plasma. Sagnella GA, et al. **Klin Wochenschr** 1985;63 Suppl 3:150-3

Supplemental essential amino acids augment the somatomedin-C/insulin-like growth factor I response to refeeding after fasting. Clemmons DR, et al. **Metabolism** 1985 Apr;34(4):391-5

DNA synthesis inhibitory peptides in mammalian serum and insect hemolymph. Okai Y. **Mol Biol Rep** 1985 Apr; 10(3):123-8

Isolation of insulin-like growth Factors I and II from human plasma. Cornell HJ, et al. **Prep Biochem** 1984;14(2):123-38

Degradation of abnormal protein in rabbit reticulocytes: detection of intermediates. Worthington VC, et al. **Prog Clin Biol Res** 1985;180:653-4

Tissue polypeptide antigen (TPA) as a prognostic aid in human prostatic carcinoma. Lewenhaupt A, et al. **Prostate** 1985;6(3):285-91

Effects of somatostatin-14 and somatostatin-28 on plasma hormonal and gastric secretory responses to cephalic and gastrointestinal stimulation in man. Konturek SJ, et al. **Scand J Gastroenterol** 1985 Jan;20(1):31-8

The presence of normal levels of serum immunoreactive insulin-like growth factor 2 (IGF-2) in patients with Down's syndrome. Annerén G, et al. **Ups J Med Sci** 1984; 89(3):274-8

[Positive modification of hemodynamics in post cardiac surgery patients by hemofiltration. Improved method for the demonstration of myocardial depressant factor (MDF) in hemofiltrate] Coraim F, et al. **Anaesthesist** 1985 May; 34(5):236-40 (Eng. Abstr.) **(Ger)**

[Serum tissue polypeptide antigen (TPA) in patients with urogenital cancer] Matsushima M, et al. **Hinyokika Kiyo** 1984 Jul;30(7):869-75 (Eng. Abstr.) **(Jpn)**

[Clinical application of serum insulin-like growth factor I (IGF-I)(26-46) radioimmunoassay--with special reference to the relationship between IGF(26-46) and growth hormone secretion] Nakagawa Y. **Nippon Naibunpi Gakkai Zasshi** 1985 Feb 20;61(2):130-44 (Eng. Abstr.) **(Jpn)**

[Amino-acid composition of the fibrin self-assembly inhibitor from rat plasma and tissue] Byshevskiĭ ASh, et al. **Biokhimiia** 1984 Dec;49(12):1934-9 (Eng. Abstr.) **(Rus)**

[Peptides of the 'middle molecule' group] Galaktionov SG, et al. **Bioorg Khim** 1984 Jan;10(1):5-17 (128 ref.) (Eng. Abstr.) **(Rus)**

[Effect of hemodialysis and hemosorption on blood serum level of medium-molecular components in patients with chronic renal failure] Kozlov VV, et al. **Ter Arkh** 1984; 56(7):77-81 (Eng. Abstr.) **(Rus)**

[Tissue polypeptide antigen as a marker for prostatic neoplasms. Preliminary study] Ruibal A, et al. **Arch Esp Urol** 1984 Sep-Oct;37(5):399-403 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Free and conjugated amino acids in human CSF: influence of age and sex. Ferraro TN, et al. **Brain Res** 1985 Jul 8;

338(1):53–60

Somatostatin–like immunoreactivity in lumbar cerebrospinal fluid from neurohistologically examined demented patients. Francis PT, et al. **Neurobiol Aging** 1984 Fall;5(3):183–6

Cerebrospinal fluid cholecystokinin, bombesin and somatostatin in schizophrenia and normals. Gerner RH, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(1):73–82

Physiological neuroendocrinology of peptides, steroids and other hormones in cerebrospinal fluid. Kee DB Jr, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(1):55–72 (131 ref.)

[Corticotropin–releasing factor concentrations in cerebrospinal fluid and its diurnal rhythm in patients with Cushing's disease] Yokoe T, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Aug 20;60(8):964–70 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthetic insulin–like growth factor II. Li CH, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):420–4

A synthetic fragment of rat transforming growth factor alpha with receptor binding and antigenic properties. Nestor JJ Jr, et al. **Biochem Biophys Res Commun** 1985 May 31; 129(1):226–32

Design, synthesis, and characterization of a model peptide having potent calcitonin–like biological activity: implications for calcitonin structure/activity. Moe GR, et al. **Biochemistry** 1985 Apr 9;24(8):1971–6

Peptide synthesis catalyzed by the serine proteinases chymotrypsin and trypsin. Riechmann L, et al. **Biochim Biophys Acta** 1985 Aug 8;830(2):164–72

Synthesis and beta–conformation of sequential polypeptides containing arginine, histidine, and leucine. Barbier B, et al. **Biopolymers** 1984 Nov;23(11 Pt 1):2299–310

Synthesis and characterization of six sequential polypeptides containing tyrosine, glutamic acid, alanine, and glycine by circular dichroism and difference spectroscopy. Zeiger AR, et al. **Biopolymers** 1985 Jul;24(7):1215–32

Solid phase synthesis. Nobel lecture, 8 December 1984. Merrifield B. **Biosci Rep** 1985 May;5(5):353–76

Studies on peptides. CXXIII. Preparations of nine peptide fragments for the synthesis of human corticotropin releasing factor (hCRF). Fujii N, et al. **Chem Pharm Bull (Tokyo)** 1984 Dec;32(12):4786–96

Studies on peptides. CXXI. Nin–mesitylenesulfonyl–tryptophan, a new derivative for peptide synthesis. Fujii N, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2660–5

Amino acids and peptides. XI. Synthesis of attractant and repellent peptides for Aedes aegypti and Blattella germanica. Okada Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Nov;32(11):4608–15

Towards assignment of secondary structures by anti–peptide antibodies. Specificity of the immune response to a beta–turn. Schulze–Gahmen U, et al. **EMBO J** 1985 Jul; 4(7):1731–7

Synthetic peptides in foot and mouth disease vaccine research. Rowlands DJ. **Endeavour** 1984;8(3):123–7

Solid–phase synthesis of PYLa and isolation of its natural counterpart, PGLa [PYLa–(4–24)] from skin secretion of Xenopus laevis. Andreu D, et al. **Eur J Biochem** 1985 Jun 18;149(3):531–5

beta 2–Inhibin contains the active core of human seminal plasma beta–inhibin: synthesis and bioactivity. Arbatti NJ, et al. **FEBS Lett** 1985 Feb 11;181(1):57–63

Nitrosation of peptides. Challis BC, et al. **IARC Sci Publ** 1984;(57):61–70

In search of new methods in peptide synthesis. A review of the last three decades. Bodanszky M. **Int J Pept Protein Res** 1985 May;25(5):449–74 (155 ref.)

Peptide N–alkylamides by solid phase synthesis. Kornreich W, et al. **Int J Pept Protein Res** 1985 Apr;25(4):414–20

Synthesis of analogs of K–582A, an antibiotic heptapeptide. Mihara H, et al. **Int J Pept Protein Res** 1985 Jun;25(6):640–7

Utilization of 1–hydroxybenzotriazole in mixed anhydride coupling reactions. Prasad KU, et al. **Int J Pept Protein Res** 1985 Apr;25(4):408–13

Synthesis of a model protein of defined secondary and quaternary structure. Effect of chain length on the stabilization and formation of two–stranded alpha–helical coiled–coils. Lau SY, et al. **J Biol Chem** 1984 Nov 10; 259(21):13253–61

Format determinants of synthetic myelin basic protein peptide S82 mimicked by a mixture of synthetic peptides S8 and S79. Day ED, et al. **Neurochem Res** 1984 Oct; 9(10):1445–52

Poly(U)–dependent polyphenylalanine and polytyrosine synthesis in vitro by a tRNATyr variant with an enzymatically altered anticodon, G–A–A. Nishikawa K, et al. **Nucleic Acids Symp Ser** 1984;(15):125–8

[Biologically active loop–shaped analogs of bradykinin and polisteskinin] Mutule IE, et al. **Bioorg Khim** 1984 Jul; 10(7):891–901 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Peptide mapping of the major proteins in 2 strains of influenza virus] Savich IM, et al. **Vopr Virusol** 1985 Jan–Feb;30(1):27–32 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

The use of cationic polyelectrolytes in the preparation of cell monolayers for automated cell scanning and diagnostic cytopathology. Watts KC, et al. **Anal Quant Cytol** 1984 Dec;6(4):272–8

[Evaluation of urinary kallikrein assay using various chromogenic peptide substrates (II).] Irie A, et al. **Rinsho Byori** 1984 Nov;32(11):1242–6 **(Jpn)**

GENETICS

Human salivary proline–rich protein genes on chromosome 12. Azen EA, et al. **Am J Hum Genet** 1985 Mar; 37(2):418–24

Regulation of polypeptide–hormone biosynthesis at the level of the genome. Habener JF. **Am J Physiol** 1985 Sep;249(3 Pt 1):C191–9 (50 ref.)

Description of a genetic polymorphism of a human proline–rich salivary protein, Pc, and its relationship to other proteins in the salivary protein complex (SPC). Karn RC, et al. **Biochem Genet** 1985 Feb;23(1–2):37–51

Inheritance of the human salivary proline–rich proteins: a reinterpretation in terms of six loci forming two subfamilies. Maeda N. **Biochem Genet** 1985 Jun;23(5–6):455–64

Mapping of zein polypeptides after isoelectric focusing on agarose gels. Wilson CM. **Biochem Genet** 1985 Feb; 23(1–2):115–24

Comparative analysis of the human and feline c–sis proto–oncogenes. Identification of 5' human c–sis coding sequences that are not homologous to the transforming gene of simian sarcoma virus. van den Ouweland AM, et al. **Biochim Biophys Acta** 1985 Jun 24;825(2):140–7

Characterization of two genes required for the position–effect control of yeast mating–type genes. Shore D, et al. **EMBO J** 1984 Dec 1;3(12):2817–23

Human genes and pseudogenes for the 7SL RNA component of signal recognition particle. Ullu E, et al. **EMBO J** 1984 Dec 20;3(13):3303–10

Identification of the polypeptide encoded by the URF–1 gene of Neurospora crassa mtDNA. Zauner R, et al. **Eur J Biochem** 1985 Aug 1;150(3):447–54

Nucleotide sequences of cDNAs encoding precursors of human insulin–like growth factor II (IGF–II) and an IGF–II variant. Jansen M, et al. **FEBS Lett** 1985 Jan 7; 179(2):243–6

Expression of a biologically active analogue of somatomedin–C/insulin–like growth factor I. Peters MA, et al. **Gene** 1985;35(1–2):83–9

Chromosomal localization and preliminary characterization of the human gene encoding insulin–like growth factor II. de Pagter–Holthuizen P, et al. **Hum Genet** 1985;69(2):170–3

The human gene encoding insulin–like growth factor I is located on chromosome 12. Höppener JW, et al. **Hum Genet** 1985;69(2):157–60

On the development of a standard two–dimensional polypeptide map of the human X chromosome. Müller U, et al. **Hum Genet** 1984;67(4):400–5

Alpha mating type–specific expression of mutations leading to constitutive agglutinability in Saccharomyces cerevisiae. Doi S, et al. **J Bacteriol** 1985 Feb;161(2):596–601

An alternate pathway for the processing of the prolipoprotein signal peptide in Escherichia coli. Ghrayeb J, et al. **J Biol Chem** 1985 Sep 15;260(20):10961–5

Differential RNA splicing and post–translational cleavages in the human salivary proline–rich protein gene system. Maeda N, et al. **J Biol Chem** 1985 Sep 15;260(20):11123–30

Segregation of the polypeptide translocation apparatus to regions of the endoplasmic reticulum containing ribophorins and ribosomes. I. Functional tests on rat liver microsomal subfractions. Amar–Costesec A, et al. **J Cell Biol** 1984 Dec;99(6):2247–53

Segregation of the polypeptide translocation apparatus to regions of the endoplasmic reticulum containing ribophorins and ribosomes. II. Rat liver microsomal subfractions contain equimolar amounts of ribophorins and ribosomes. Marcantonio EE, et al. **J Cell Biol** 1984 Dec; 99(6):2254–9

Identification of herpes simplex virus DNA sequences which encode a trans–acting polypeptide responsible for stimulation of immediate early transcription. Campbell ME, et al. **J Mol Biol** 1984 Nov 25;180(1):1–19

Alpha–factor structural gene mutations in Saccharomyces cerevisiae: effects on alpha–factor production and mating. Kurjan J. **Mol Cell Biol** 1985 Apr;5(4):787–96

Vaccinia virus encodes a polypeptide homologous to epidermal growth factor and transforming growth factor. Brown JP, et al. **Nature** 1985 Feb 7–13;313(6002):491–2

Human transforming growth factor–beta complementary DNA sequence and expression in normal and transformed cells. Derynck R, et al. **Nature** 1985 Aug 22–28; 316(6030):701–5

Cloning and sequence analysis of a cDNA for rat transforming growth factor–alpha. Lee DC, et al. **Nature** 1985 Feb 7–13;313(6002):489–91

Identification and comparison of two sequence elements that confer cell–type specific transcription in yeast. Miller AM, et al. **Nature** 1985 Apr 18–24;314(6012):598–603

Role of DNA replication in the repression of silent mating type loci in yeast. Miller AM, et al. **Nature** 1984 Nov 15–21; 312(5991):247–51

Tissue–specific generation of two preprotachykinin mRNAs from one gene by alternative RNA splicing. Nawa H, et al. **Nature** 1984 Dec 20–1985 Jan 2;312(5996):729–34

Isolation of a cDNA clone encoding rat insulin–like growth factor–II precursor. Whitfield HJ, et al. **Nature** 1984 Nov 15–21;312(5991):277–80

Efficient secretion and purification of human insulin–like growth factor I with a gene fusion vector in Staphylococci. Nilsson B, et al. **Nucleic Acids Res** 1985 Feb 25; 13(4):1151–62

Nucleotide sequence of transforming human c–sis cDNA clones with homology to platelet–derived growth factor. Ratner L, et al. **Nucleic Acids Res** 1985 Jul 25; 13(14):5007–18

Synthesis, secretion and processing of alpha–factor–interferon fusion proteins in yeast. Singh A, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8927–38

Developmental and tissue–specific expression of a family of transcripts related to rat insulin–like growth factor II mRNA. Soares MB, et al. **Nucleic Acids Res** 1985 Feb 25; 13(4):1119–34

Linkage map of the short arm of human chromosome 11: location of the genes for catalase, calcitonin, and insulin–like growth factor II. Kittur SD, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5064–7

Evidence for a prevalent dimorphism in the activation peptide of human coagulation factor IX. McGraw RA, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2847–51

Cloning and characterization of cDNAs encoding human gastrin–releasing peptide. Spindel ER, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5699–703

Vaccinia virus–infected cells release a novel polypeptide functionally related to transforming and epidermal growth factors. Twardzik DR, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5300–4

Computer algorithms for the detection of mutational events affecting the polypeptides visualized with 2–D polyacrylamide gels. Neel JV, et al. **Prog Clin Biol Res** 1985;177:427–45

Salivary proline–rich protein genes on chromosome 8 of mouse. Azen EA, et al. **Science** 1984 Nov 23; 226(4677):967–9

[Synthetic genes of peptide hormones. A model gene of human calcitonin] Golova IuB, et al. **Dokl Akad Nauk SSSR** 1984;277(5):1258–60 **(Rus)**

IMMUNOLOGY

Chemical characterization of persistent immunoreactive glucagon in eviscerated rats. Wider MD, et al. **Acta Diabetol Lat** 1984 Oct–Dec;21(4):341–8

Genetic control of immune response to the L–Glu, L–Lys, L–Phe terpolymer in man. Chan MM, et al. **Am J Hum Genet** 1985 May;37(3):561–70

The internal image and the structural idiotypic network (Ab1, Ab2, Ab3) in the GAT system. Fougereau M, et al. **Ann Inst Pasteur Immunol** 1985 Jan–Feb;136C(1):143–56

Cells involved in autologous rosette formation in mice. I. Two different subpopulations of thymocytes regulating autologous rosette formation. Wieczorek Z, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(5):537–41

Preparation and characterization of antibodies with specificity for the amino–terminal tetrapeptide sequence of the platelet–derived connective tissue activating peptide–III. Davis LE, et al. **Biochem Int** 1985 Mar; 10(3):395–404

Immunologically reactive tryptic fragments of human prostatic acid phosphatase. Lee CL, et al. **Biochem J** 1984 Nov 1;223(3):871–7

Synthesis of an antigenic site of native acetylcholine receptor peptide 159–169 of Torpedo acetylcholine receptor alpha–chain. McCormick DJ, et al. **Biochem J** 1985 Feb 15;226(1):193–7

Localization of binding sites for carboxyl terminal specific anti–rhodopsin monoclonal antibodies using synthetic peptides. MacKenzie D, et al. **Biochemistry** 1984 Dec 18; 23(26):6544–9

Specific neutralizing antiserum against a polypeptide growth inhibitor for mammary cells purified from bovine mammary gland. Böhmer FD, et al. **Biochim Biophys Acta** 1985 Jul 30;846(1):145–54

Cross–reactivities of neuropeptide Y and peptide YY with pancreatic polypeptide antisera: evidence for the existence of pancreatic polypeptide in the brain. Inui A, et al. **Brain Res** 1985 Mar 25;330(2):386–9

Synthetic peptides as alternative antigens in the production of antibodies against human apolipoproteins [letter] Gesquière JC, et al. **Clin Chem** 1985 May;31(5):784–5

(T,G)–A–L specific immune response potential and HLA typing of Israeli patients with systemic lupus erythematosus. Shalev Y, et al. **Clin Exp Immunol** 1985 May;60(2):355–62

Monoclonal antibody directed against the 43 000 dalton v1 polypeptide from Torpedo marmorata electric organ. Nghiêm HO, et al. **Dev Biol Stand** 1984;57:393–8

Immune response to the p–azobenzenearsonate–L–glutamic acid60–L–alanine30–L–tyrosine10 (GAT) conjugate. III. Mechanisms of Ir gene–controlled phenotype conversion. Flores de Castaneda M, et al. **Eur J Immunol** 1984 Oct; 14(10):943–50

Immune response against poly(Glu60,Ala30,Tyr10) (GAT): immunization with monoclonal anti–idiotypic antibodies leads to the predominant stimulation of idiotypically similar immunoglobulins with anti–GAT activity. Roth C, et al. **Eur J Immunol** 1985 Jun;15(6):576–80

Antibodies to a chemically synthesized peptide which precipitate a v-myb protein. Malý A, et al. **Folia Biol (Praha)** 1984;30(3):168–76

Detection of pX proteins in human T-cell leukemia virus (HTLV)-infected cells by using antibody against peptide deduced from sequences of X-IV DNA of HTLV-I and Xc DNA of HTLV-II proviruses. Miwa M, et al. **Gann** 1984 Sep;75(9):752–5

Molecular forms of peptide histidine isoleucine-like immunoreactivity in the gastrointestinal tract. Nonequimolar levels of peptide histidine isoleucine and vasoactive intestinal peptide in the stomach explained by the presence of a big peptide histidine isoleucine-like molecule. Yiangou Y, et al. **Gastroenterology** 1985 Sep;89(3):516–24

Antigen presentation by proliferating thymic macrophages to A (T,G)-A-L specific T cell line in an H-2 restricted manner. Axelrod O, et al. **Immunol Lett** 1985;10(1):25–30

Ammonium sulphate precipitation overestimates titres of anti-peptide antisera. Roth B, et al. **Immunol Lett** 1984;8(5):233–6

Biologically active antibodies elicited by a synthetic circumsporozoite peptide of Plasmodium knowlesi administered in saline with a muramyl dipeptide derivative. Clough ER, et al. **Infect Immun** 1985 Jun;48(3):839–42

Complement anaphylatoxins in idiopathic mixed cryoglobulinemia. Miadonna A, et al. **Int Arch Allergy Appl Immunol** 1985;76(2):120–5

Suppression of IgE antibody response against ovalbumin by the chemical conjugate of ovalbumin with a polyaspartic acid derivative. Okada M, et al. **Int Arch Allergy Appl Immunol** 1985;76(1):79–81

Suppression of murine IgE responses with amino acid polymer/allergen conjugates. II. Suppressive activities in adjuvant-induced IgE responses. Wheeler AW, et al. **Int Arch Allergy Appl Immunol** 1985;76(4):361–8

Suppression of murine IgE responses with amino acid polymer/allergen conjugates. I. Preparation of poly-(N-methylglycine)/grass pollen extract conjugates using 4-(methylmercapto)phenyl-succinimidyl succinate as coupling reagent. Whittall N, et al. **Int Arch Allergy Appl Immunol** 1985;76(4):354–60

Bombesin-like peptides in human endocrine tumors: quantitation, biochemical characterization, and secretion. Price J, et al. **J Clin Endocrinol Metab** 1985 Jun;60(6):1097–103

Antibody response to cytomegalovirus polypeptides captured by monoclonal antibodies on the solid phase in enzyme immunoassays. Cremer NE, et al. **J Clin Microbiol** 1985 Apr;21(4):517–21

Monoclonal antibody that preferentially binds polylysine, polyarginine, and histones and selectively decorates nuclei and chromosomes. Morgan JL, et al. **J Clin Microbiol** 1984 Aug;20(2):204–8

Synthetic peptides corresponding to third hypervariable region of human monoclonal IgM rheumatoid factor heavy chains define an immunodominant idiotype. Goldfien RD, et al. **J Exp Med** 1985 Aug 1;162(2):756–61

Distinct recognition phenotypes exist for T cell clones specific for small peptide regions of proteins. Implications for the mechanisms underlying major histocompatibility complex-restricted antigen recognition and clonal deletion models of immune response gene defects. Shastri N, et al. **J Exp Med** 1985 Jul 1;162(1):332–45

Identification of Igh-C-linked determinants on suppressor T cell hybrids and factors specific for L-glutamic acid60-L-alanine30-L-tyrosine10 (GAT). Sorensen CM, et al. **J Exp Med** 1985 Sep 1;162(3):1044–59

A trinitrophenyl(TNP)-poly-L-lysine-horseradish peroxidase conjugate for the detection of anti-TNP antibodies in vivo. Claassen E, et al. **J Histochem Cytochem** 1985 Aug;33(8):840–4

Bombesin/gastrin-releasing peptide (GRP)- and Met5-enkephalin-Arg6-Gly7-Leu8-like immunoreactivities in small intensely fluorescent (SIF) cells and nerve fibers of rat sympathetic ganglia. Helén P, et al. **J Histochem Cytochem** 1984 Nov;32(11):1131–8

Distribution of tissue polypeptide antigen (TPA) in normal human tissues: Immunohistochemical study on unfixed, methanol-, ethanol-, and formalin-fixed tissues. Nathrath WB, et al. **J Histochem Cytochem** 1985 Feb;33(2):99–109

Ir gene control of T and B cell responses to determinants in (Glu Lys Ala) terpolymers. Babu UM, et al. **J Immunogenet** 1984 Jun–Aug;11(3–4):251–4

Fine specificities of the murine T cell responses to (Glu Lys Ala) terpolymers. Lai CH, et al. **J Immunogenet** 1984 Oct–Dec;11(5–6):355–63

Generation of anti-peptide monoclonal antibodies which recognize mature CSF-2 alpha (IL 3) protein. Conlon PJ, et al. **J Immunol** 1985 Jul;135(1):328–32

Antigen processing requirements for T cell activation: differential requirements for presentation of soluble conventional antigen vs cell surface MHC determinants. Finnegan A, et al. **J Immunol** 1985 May;134(5):2960–5

Interaction of monoclonal anti-peptide antibodies with lysozyme. Hirayama A, et al. **J Immunol** 1985 May;134(5):3241–7

Immunoregulatory pathways in adult responder mice. II. Regulation of delayed-type hypersensitivity responses by GAT-specific suppressor factors present in GAT-tolerant adult responder mice. Jenkins MK, et al. **J Immunol** 1985 Jan;134(1):114–21

Murine transfer factor. II. Transfer of delayed hypersensitivity to synthetic antigens. Kirkpatrick CH, et al. **J Immunol** 1985 Mar;134(3):1723–7

T cell responses to cleaved rabies virus glycoprotein and to synthetic peptides. Macfarlan RI, et al. **J Immunol** 1984 Nov;133(5):2748–52

Antigenic complexity of Treponema pallidum: antigenicity and surface localization of major polypeptides. Norris SJ, et al. **J Immunol** 1984 Nov;133(5):2686–92

T cell subsets in (responder x nonresponder)F1 mice regulating antibody responses to L-glutamic acid60-L-alanine30-L-tyrosine (GAT). Pierce CW, et al. **J Immunol** 1984 Dec;133(6):2874–81

T cell subsets regulating antibody responses to L-glutamic acid60-L-alanine30-L-tyrosine10 (GAT) in virgin and immunized nonresponder mice. Pierce CW, et al. **J Immunol** 1985 Jan;134(1):29–36

The T lymphocyte response to cytochrome c. V. Determination of the minimal peptide size required for stimulation of T cell clones and assessment of the contribution of each residue beyond this size to antigenic potency. Schwartz RH, et al. **J Immunol** 1985 Oct;135(4):2598–608

The modulation of expression of polypeptide surface antigens on developing schistosomula of Schistosoma mansoni. Simpson AJ, et al. **J Immunol** 1984 Nov;133(5):2725–30

Monoclonal antibodies specific for single chain or two chain GAT-specific suppressor factors: production and analysis of in vitro modulating properties. Sorensen CM, et al. **J Immunol** 1985 Jul;135(1):362–7

Conserved group-specific epitopes of the circumsporozoite proteins revealed by antibodies to synthetic peptides. Vergara U, et al. **J Immunol** 1985 May;134(5):3445–8

Recessive T cell response to poly (Glu50Tyr50) possibly caused by self tolerance. Vidović D, et al. **J Immunol** 1985 Jun;134(6):3563–8

Optimization of conditions for in vitro antigenic stimulation of dissociated mouse spleen cells for the production of monoclonal antibodies against peptide hormones. Rathjen DA, et al. **J Immunol Methods** 1985 Apr 22;78(2):227–37

HPLC purification and preparation of antibodies to cholic acid-inducible polypeptides from Eubacterium sp. V.P.I. 12708. Paone DA, et al. **J Lipid Res** 1984 Dec 1;25(12):1343–9

Antibody response to type-common and type-unique epitopes of herpes simplex virus polypeptides. Bernstein DI, et al. **J Med Virol** 1985 Mar;15(3):251–63

The regional distribution and the chemical, chromatographic, and immunologic characterization of motilin brain peptides: the evidence for a difference between brain and intestinal motilin-immunoreactive peptides. Beinfeld MC, et al. **J Neurosci** 1985 Sep;5(9):2502–9

Properties of TAS-1D3, a tuberculin-active substance from BCG, in regard to delayed hypersensitivity. Yano O, et al. **Microbiol Immunol** 1984;28(10):1149–57

Mapping of antigenic determinants within peptides of a variant surface glycoprotein of Trypanosoma brucei. Miller EN, et al. **Mol Biochem Parasitol** 1984 Nov;13(3):309–22

Molecular weight diversity among murine class I antigens: both the mature cell surface forms and the unglycosylated polypeptides vary significantly in molecular weight. Landolfi NF, et al. **Mol Immunol** 1985 Feb;22(2):155–8

Antibodies elicited by influenza virus hemagglutinin fail to bind to synthetic peptides representing putative antigenic sites. Nestorowicz A, et al. **Mol Immunol** 1985 Feb;22(2):145–54

The immune response to Epstein-Barr nuclear antigen: conformational and structural features of antibody binding to synthetic peptides. Rhodes G, et al. **Mol Immunol** 1984 Nov;21(11):1047–54

Specificity and cross-reactivity of synthetic peptides derived from a major antigenic site of influenza hemagglutinin. Shapira M, et al. **Mol Immunol** 1985 Jan;22(1):23–8

Are peptides good antigens? [news] Ada G, et al. **Nature** 1985 Aug 29–Sep 4;316(6031):764–5

The reactivity of anti-peptide antibodies is a function of the atomic mobility of sites in a protein. Tainer JA, et al. **Nature** 1984 Nov 8–14;312(5990):127–34

Immunohistochemical localization of urotensin I/corticotropin-releasing factor immunoreactivity in neurosecretory neurons in the caudal spinal cord of fish. Onstott D, et al. **Neuroendocrinology** 1984 Dec;39(6):503–9

New methodology in the raising of antibodies to small peptides leading to a highly specific radioimmunoassay for enkephalins. Morley JS, et al. **Neuropeptides** 1984 Nov;4(6):477–82

Monoclonal antibody defining a human syncytiotrophoblastic polypeptide immunologically related to mammalian retrovirus structural protein p30. Wahlström T, et al. **Placenta** 1984 Nov–Dec;5(6):465–73

Small peptides induce antibodies with a sequence and structural requirement for binding antigen comparable to antibodies raised against the native protein. Geysen HM, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):178–82

Induction of experimental allergic encephalomyelitis in Lewis rats with purified synthetic peptides: delineation of antigenic determinants for encephalitogenicity, in vitro activation of cellular transfer, and proliferation of lymphocytes. Mannie MD, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5515–9

Gene repertoire of the anti-poly(Glu60Ala30Tyr10) (GAT) immune response: comparison of VH, V kappa, and D regions used by anti-GAT antibodies and monoclonal antibodies produced after anti-idiotypic immunization. Roth C, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4788–92

A new sensitive immunosorbent radioassay for the detection of circulating antibodies to polypeptide hormones and proteins. Ericsson UB, et al. **Scand J Clin Lab Invest** 1984 Oct;44(6):487–93

Induction by monoclonal anti-idiotypic antibodies of an anti-poly(Glu60 Ala30 Tyr10) (GAT) immune response in GAT-responder and GAT-nonresponder mice. Roth C, et al. **Scand J Immunol** 1985 Apr;21(4):361–7

An investigation into the differential stability of Sm polypeptides using human and murine monoclonal antibodies. Williams DG, et al. **Scand J Rheumatol [Suppl]** 1985;56:42–5

Immunogenicity of synthetic peptides from circumsporozoite protein of Plasmodium falciparum. Ballou WR, et al. **Science** 1985 May 24;228(4702):996–9

Use of a synthetic antigen to predetermine the responsiveness of cattle to vaccine-induced immunity. Ungar-Waron H, et al. **Vaccine** 1984 Jun;2(2):136–40

Isolation of populations of antipeptide antibodies directed against different epitopes of the same fragment. Chersi A, et al. **Z Naturforsch [C]** 1985 Jan–Feb;40(1–2):148–9

[Clinical experiences with the tumor marker TPA in the maxillofacial region] Kärcher H. **Wien Klin Wochenschr** 1984 Oct 12;96(19):732–4 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Beta-endorphin-related peptides in the human pituitary. Isolation and characterization of major immunoreactive peptides, including the formerly unrecognized peptide beta-endorphin 1–18. Vuolteenaho O. **Acta Physiol Scand [Suppl]** 1984;531:1–84

Extraction from fetal bovine serum of erythrotropin, an erythroid cell-stimulating factor. Congote LF. **Anal Biochem** 1984 Aug 1;140(2):428–33

LHRH-like substance in the rat testis. Arimura A, et al. **Ann NY Acad Sci** 1984;438:390–3

GnRH-like factors in the rat testis and human seminal plasma. Swerdloff RS, et al. **Ann NY Acad Sci** 1984;438:382–9

Production, purification, and characterization of chandramycin, a polypeptide antibiotic from Streptomyces lydicus. Singh SK, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):394–400

Purification of the phosphofructokinase regulatory factors. Kruep DA, et al. **Arch Biochem Biophys** 1984 Dec;235(2):504–11

Distinction of viral and host-derived glycopolypeptides induced by 'early' functions of human cytomegalovirus. Radsak K, et al. **Arch Virol** 1985;85(3–4):217–30

Structural polypeptides of a canine parvovirus: study by immunoadsorption and sequential analysis of infected cells. Brief report. Surleraux M, et al. **Arch Virol** 1984;82(3–4):233–40

Efficient purification of somatomedin-C/insulin-like growth factor I using immunoaffinity chromatography. Chernausek SD, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):282–8

Heart contains two substrates (Mr = 40,000 and 41,000) for pertussis toxin-catalyzed ADP-ribosylation that co-purify with Ns. Malbon CC, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):809–15

Proteolytic conversion of insulin-like growth factors to an acidic form(s). Kuffer AD, et al. **Biochem J** 1984 Oct 1;223(1):97–103

Purification of a phospholipase B inhibitor from Saccharomyces cerevisiae. Witt W, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):249–55

Identification of endogenous inhibitory growth factors from a human colon carcinoma cell line. Levine AE, et al. **Cancer Res** 1985 May;45(5):2248–54

A comparison of the polypeptide composition of plasma membranes prepared from the white adipose tissue and adipocytes of the mouse, rat, rabbit, ox and chicken by a Percoll self-forming gradient procedure. Tume RK, et al. **Comp Biochem Physiol [B]** 1985;80(1):127–34

Isolation and partial characterization of an entero-oxyntin from porcine ileum. Wider MD, et al. **Endocrinology** 1984 Oct;115(4):1484–91

Solid-phase synthesis of PYLa and isolation of its natural counterpart, PGLa [PYLa-(4–24)] from skin secretion of Xenopus laevis. Andreu D, et al. **Eur J Biochem** 1985 Jun 18;149(3):531–5

A novel form of the polypeptide PHI isolated in high yield from bovine upper intestine. Relationships to other peptides of the glucagon-secretin family. Carlquist M, et al. **Eur J Biochem** 1984 Oct 15;144(2):243–7

The NADP+-binding site of ferredoxin-NADP+ reductase. Sequence of the peptide containing the essential lysine residue. Cidaria D, et al. **Eur J Biochem** 1985 Jan 15;146(2):295–9

Component X. An immunologically distinct polypeptide associated with mammalian pyruvate dehydrogenase multi-enzyme complex. De Marcucci O, et al. **Eur J Biochem** 1985 Jun 18;149(3):641–8

A microbore high-performance liquid chromatography strategy for the purification of polypeptides for gas-phase sequence analysis. Structural studies on the murine transferrin receptor. Grego B, et al. **Eur J Biochem** 1985 May 2,148(3):485–91

Complete amino acid sequence of human seminal plasma beta-inhibin. Prediction of post Gln-Arg cleavage as a maturation site. Seidah NG, et al. **FEBS Lett** 1984 Oct 1;175(2):349-55

Isolation and structure elucidation of an alpha-amylase inhibitor, AI-3688, from Streptomyces aureofaciens. Vértesy L, et al. **FEBS Lett** 1985 Jun 3;185(1):187-90

Analysis of pancreatic peptide hormones by reversed-phase high-performance liquid chromatography. Knip M. **Horm Metab Res** 1984 Sep;16(9):487-91

Structural differences in cell surface T25 polypeptides from thymocytes and cloned T cells. Sarmiento M, et al. **Hybridoma** 1981;1(1):13-26

Chemical and biological characterization of a gonococcal growth inhibitor produced by Staphylococcus haemolyticus isolated from urogenital flora. Frenette M, et al. **Infect Immun** 1984 Nov;46(2):340-5

Rapid purification of radioiodinated peptides with Sep-Pak reversed phase cartridges and HPLC. Miller JJ, et al. **Int J Pept Protein Res** 1984 Aug;24(2):112-22

Metabolic products from microorganisms. 230. Amiclenomycin-peptides, new antimetabolites of biotin. Taxonomy, fermentation and biological properties. Poetsch M, et al. **J Antibiot (Tokyo)** 1985 Mar;38(3):312-20

Purification and characterization of a tuberculin-active substance from Mycobacterium bovis BCG. Yano O, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):523-31

Isolation and structures of glucagon and glucagon-like peptide from catfish pancreas. Andrews PC, et al. **J Biol Chem** 1985 Apr 10;260(7):3910-4

Bombolitins, a new class of mast cell degranulating peptides from the venom of the bumblebee Megabombus pennsylvanicus. Argiolas A, et al. **J Biol Chem** 1985 Feb 10;260(3):1437-44

Purification of a multipotential colony-stimulating factor from pokeweed mitogen-stimulated mouse spleen cell conditioned medium. Cutler RL, et al. **J Biol Chem** 1985 Jun 10;260(11):6579-87

Gamma-carboxyglutamate in a neuroactive toxin. McIntosh JM, et al. **J Biol Chem** 1984 Dec 10;259(23):14343-6

Amino acid sequence of a proline-rich phosphoglycoprotein from parotid secretion of the subhuman primate Macaca fascicularis. Oppenheim FG, et al. **J Biol Chem** 1985 Sep 5;260(19):10671-9

Fourth International Symposium on High-Performance Liquid Chromatography of Proteins, Peptides and Polynucleotides. Baltimore, MD, December 10-12, 1984. Part I. **J Chromatogr** 1985 Jun 19;326:1-445

Fourth International Symposium on High-Performance Liquid Chromatography of Proteins, Peptides and Polynucleotides. Part II. Baltimore, MD, December 10-12, 1984. **J Chromatogr** 1985 Jun 26;327:1-383

The bacterial phosphoenolpyruvate-dependent phosphotransferase system. Isolation of active site peptides by reversed-phase high-performance liquid chromatography and determination of their primary structure. Alpert CA, et al. **J Chromatogr** 1985 Jun 19; 326:363-71

Comparison of reversed-phase columns for the separation of tryptic peptides by gradient elution. Correlation of experimental results and model prediction. Banes AJ, et al. **J Chromatogr** 1985 Jun 19;326:419-31

Preparative isolation of the polypeptide chains of human liver beta-N-acetylhexosaminidase A by fast protein liquid chromatography-ion-exchange chromatography. Beem EP, et al. **J Chromatogr** 1985 Apr 26;323(2):439-42

Recovery of standard 125I-peptides at the picogram and femtogram level by reversed-phase high-performance liquid chromatography. Emanuel RL, et al. **J Chromatogr** 1984 Nov 16;312:285-92

Separation of basic, hydrophilic peptides by reversed-phase ion-pair chromatography. IV. Preparative applications related to purification of two substrates of cyclic AMP-dependent protein kinase. Fransson B, et al. **J Chromatogr** 1985 Jun 28;328:396-401

Separation and isolation of human myelin basic protein peptides by reversed-phase high-performance liquid chromatography in volatile buffers. Heinemann MA, et al. **J Chromatogr** 1985 Jul 19;329(2):295-9

Use of reversed-phase and ion-exchange batch extraction in the purification of bovine pituitary peptides. James S, et al. **J Chromatogr** 1985 Jun 19;326:329-38

Separation of peptides by strong cation-exchange high-performance liquid chromatography. Mant CT, et al. **J Chromatogr** 1985 Jun 26;327:147-55

Automated tandem high-performance liquid chromatographic system for separation of extremely complex peptide mixtures. Takahashi N, et al. **J Chromatogr** 1985 Jun 19;326:407-18

Characterization and partial purification of a factor from uremic human serum that induces insulin resistance. McCaleb ML, et al. **J Clin Invest** 1985 Feb;75(2):391-6

Isolation of a sodium transport inhibitory factor, inhibitin, from cultured leukemic promyelocytes. Morgan K, et al. **J Clin Invest** 1984 Oct;74(4):1132-42

Identification, synthesis, and characterization of the yolk polypeptides of Plodia interpunctella. Shirk PD, et al. **J Exp Zool** 1984 Oct;232(1):87-98

Isolation of an antibacterial peptide from human lung lavage fluid. Ellison RT 3d, et al. **J Infect Dis** 1985 Jun; 151(6):1123-9

Structural organization and polypeptide composition of the avian adenovirus core. Li P, et al. **J Virol** 1984 Nov; 52(2):638-49

Isolation and characterization of histamine-releasing peptides from human parotid saliva. Sugiyama K, et al. **Life Sci** 1985 Aug 5;37(5):475-80

Non-thymic peptide complexes as an immunobiologically active system. The physicochemical properties of peptides from bovine liver. Zak Z, et al. **Mater Med Pol** 1984 Jan-Mar;16(1):31-6

Purification of somatomedin-C/insulin-like growth factor I. Svoboda ME, et al. **Methods Enzymol** 1985;109:798-816

The biosynthesis of the knob protein and a 65 000 dalton histidine-rich polypeptide of Plasmodium falciparum. Kilejian A. **Mol Biochem Parasitol** 1984 Jun;12(2):185-94

Isolation of an immunosuppressive fraction in ultrafiltrate from uremic sera. Navarro J, et al. **Nephron** 1985; 40(4):396-400

Demonstration of high opioid-like activity in isolated peptides from wheat gluten hydrolysates. Huebner FR, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1139-47

Isolation and sequence analysis of human bombesin-like peptides. Orloff MS, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):865-70

Ectopic peptides released by a human melanoma cell line that modulate the transformed phenotype. De Larco JE, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5015-9

Insulin-like growth factor II (IGF II) in human brain: regional distribution of IGF II and of higher molecular mass forms. Haselbacher GK, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2153-7

Leukemia-derived growth factor (non-interleukin-2) produced by murine lymphoma T-cell lines. Hays EF, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7807-11

Amino acid sequence of a variant pro-form of insulin-like growth factor II. Zumstein PP, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3169-72

Isolation of highly purified iodinated peptides by high pressure liquid chromatography. McMaster D, et al. **Proc West Pharmacol Soc** 1984;27:237-41

[Studies on thymic peptide factors. III. Isolation, purification, biochemical property and E-rosette activity in vitro of porcine thymic factors] Cui LX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Jun; 6(3):170-3 (Eng. Abstr.) **(Chi)**

[Tumor transforming growth factor. I. Isolation and purification of tumor transforming growth factor from the urine of patients with small cell lung cancer and its biological activity] Liang ZQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):236-9 (Eng. Abstr.) **(Chi)**

[Extraction and purification of a cystine-rich polypeptide of normal subjects and a patient with palmo-plantar keratoderma] Takahashi M, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jan;95(1):23-9 **(Jpn)**

[High performance liquid chromatography of peptide bioregulators, their fragments and derivatives. II. Sorption of peptides from aqueous-organic eluents on octadecylsilylsilica gel and unmodified silica gel] Grigor'eva VD, et al. **Bioorg Khim** 1985 Apr;11(4):447-54 (Eng. Abstr.) **(Rus)**

[Detection of lipopeptide complexes in lipid fractions of Proteus mirabilis] Bondarenko BN. **Mikrobiologiia** 1985 Jan-Feb;54(1):121-7 (Eng. Abstr.) **(Rus)**

METABOLISM

Intracellular localization of salivary peptide P-C-like immunoreactivity in the human pancreatic B-cells. Ito S, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):119-29

Presence of salivary protein C and salivary peptide P-C-like immunoreactivity in the laryngo-tracheo-bronchial glands. Ito S, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):130-4

Effect of growth hormone on osteoblasts and demonstration of somatomedin-C/IGF I in bone organ culture. Stracke H, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):16-24

Alzheimer paired helical filaments: cross-reacting polypeptide/s normally present in brain. Grundke-Iqbal I, et al. **Acta Neuropathol (Berl)** 1985;66(1):52-61

Peptides of the otosclerotic perilymph examined by analytical isotachophoresis. Sziklai I, et al. **Acta Otolaryngol (Stockh)** 1985 Jan-Feb;99(1-2):25-34

Is intestinal peptide transport energized by a proton gradient? Ganapathy, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):G153-60 (40 ref.)

Renin cleavage of a human kidney renin substrate analogous to human .ngiotensinogen, H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-His-Leu-Val-Ile that is human renin specific and is resistant to cathepsin D. Poe M, et al. **Anal Biochem** 1984 Aug 1;140(2):459-67

Beta-endorphin, Met-enkephalin, and calcitonin in human semen: evidence for a possible role in human sperm motility. Fraioli F, et al. **Ann NY Acad Sci** 1984;438:365-70

Studies on the identification of a LHRH-like peptide in the rat testis. Hedger MP, et al. **Ann NY Acad Sci** 1984; 438:371-81

Progress in model studies of cellular uptake. Rypáček F, et al. **Ann NY Acad Sci** 1985;446:258-66

Identification of a 19-kDa polypeptide as an Fe-S center apoprotein in the photosystem I primary electron acceptor complex. Bonnerjea J, et al. **Arch Biochem Biophys** 1985 Jul;240(1):15-20

Properties of the phosphofructokinase regulatory factors. Kruep DA, et al. **Arch Biochem Biophys** 1984 Dec; 235(2):512-20

Conversion of alpha-amino acids and peptides to nitriles and aldehydes by bromoperoxidase. Nieder M, et al. **Arch Biochem Biophys** 1985 Jul;240(1):121-7

Characterization of monoclonal antibodies to the IGF-I receptor that inhibit IGF-I binding to human cells. Flier JS, et al. **Biochem Biophys Res Commun** 1985 Mar 29; 127(3):929-36

Immunoreactive helodermin-like peptides in rat: a new class of mammalian neuropeptides related to secretin and VIP. Robberecht P, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):333-42

Detection and characterization of a selective endopeptidase from Plasmodium berghei by using fluorogenic peptidyl substrates. Schrével J, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):703-10

Interaction with mitochondrial membranes of a synthetic peptide with a sequence common to extra peptides of mitochondrial precursor proteins. Yoshida Y, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):775-80

Surface-simulation synthesis of the substrate-binding site of an enzyme. Demonstration with trypsin. Atassi MZ. **Biochem J** 1985 Mar 1;226(2):477-85

Loss of epidermal growth factor receptors and release of transforming growth factors do not correlate with sarcoma virus-transformation in clonally-related NIH/3T3-derived cell lines. Brown KD, et al. **Biochem J** 1985 Jul 1; 229(1):119-25

Metabolism of glycine- and hydroxyproline-containing peptides by the isolated perfused rat kidney. Lowry M, et al. **Biochem J** 1985 Jul 15;229(2):545-9

Protein-peptide conjugation by a two-phase reaction [letter] Myers DA, et al. **Biochem J** 1985 Apr 1;227(1):343

Effects of D,L-4-fluoroglutamic acid on glutamylation of methotrexate by hepatic cells in vitro. Galivan J, et al. **Biochem Pharmacol** 1985 Aug 15;34(16):2995-7

Sulfation of peptides and simple phenols by rat brain phenolsulfotransferase. Inhibition by dichloronitrophenol. Giorgi O, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):45-9

Vascular, plasma membrane aminopeptidase M. Metabolism of vasoactive peptides. Palmieri FE, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2309-17

Biodegradable polymers for the sustained release of peptides. Hutchinson FG, et al. **Biochem Soc Trans** 1985 Apr; 13(2):520-3

Peptide binding by calmodulin and its proteolytic fragments and by troponin C. Malencik DA, et al. **Biochemistry** 1984 May 22;23(11):2420-8

In vitro binding of synthetic acylated lipid-associating peptides to high-density lipoproteins: effect of hydrophobicity. Ponsin G, et al. **Biochemistry** 1984 Oct 23;23(22):5337-42

Purification and characterization of a human kidney neutral endopeptidase that hydrolyzes succinyl trialanine-4-nitroanilide and biologically active peptides. Aoyagi K, et al. **Biochim Biophys Acta** 1985 Jun 18; 840(2):211-8

Interaction of myelin basic protein and polylysine with synthetic species of cerebroside sulfate. Boggs JM, et al. **Biochim Biophys Acta** 1985 Jun 27;816(2):208-20

Characterization of the adsorptive pinocytic capture of a polyaspartamide modified by the incorporation of tyramine residues. Duncan R, et al. **Biochim Biophys Acta** 1985 Jun 18;840(2):291-3

Peptide transport in rabbit intestinal brush-border membrane vesicles studied with a potential-sensitive dye. Ganapathy V, et al. **Biochim Biophys Acta** 1985 Jun 27;816(2):234-40

Pushing the signal hypothesis: what are the limits? Hortsch M, et al. **Biol Cell** 1984;52(1 Pt A):1-8 (68 ref.)

Intestinal assimilation of intact peptides and proteins from the diet--a neglected field? Gardner ML. **Biol Rev** 1984 Aug;59(3):289-331 (274 ref.)

Retention and biliary excretion of poly-alpha, beta-[N(2-hydroxyethyl)-D,L-aspartamide] (PHEA) and its tyramine derivative (PHEA-Tyr) by isolated perfused rat liver. The role of molecular weight and chemical structure. Rypáček F, et al. **Biomaterials** 1985 May; 6(3):203-7

Stereoelectronic control in peptide bond formation. Ab initio calculations and speculations on the mechanism of action of serine proteases. Gorenstein DG, et al. **Biophys J** 1984 Dec;46(6):749-61

The binding of insulin-like growth factor II to the erythroleukemia cell line K562. Tally M, et al. **Biosci Rep** 1984 Dec;4(12):1071-7

Lung tumour cell lines synthesizing peptide hormones established from tumours of four histological types: characterization of the cell lines and analysis of their peptide hormone production. Luster W, et al. **Br J Cancer** 1985 Jun;51(6):865-75

Proopiomelanocortin peptide immunocytochemistry in rhesus monkey brain. Khachaturian H, et al. **Brain Res Bull** 1984 Dec;13(6):785-800

Chemistry, structure, and function of insulin-like growth factors and their receptors: a review. Perdue JF. **Can J Biochem Cell Biol** 1984 Nov;62(11):1237-45 (77 ref.)

Formation of 7-hydroxymethotrexate polyglutamyl derivatives and their cytotoxicity in human chronic myelogenous leukemia cells, in vitro. Fabre G, et al. **Cancer Res** 1985 Jan;45(1):80-5

Prevention of methotrexate cytotoxicity by asparaginase inhibition of methotrexate polyglutamate formation. Jolivet

J, et al. **Cancer Res** 1985 Jan;45(1):217-20

Enhanced polyglutamylation of aminopterin relative to methotrexate in the Ehrlich ascites tumor cell in vitro. Matherly LH, et al. **Cancer Res** 1985 Mar;45(3):1073-8

Translocation of secretory proteins across the microsomal membrane occurs through an environment accessible to aqueous perturbants. Gilmore R, et al. **Cell** 1985 Sep;42(2):497-505

Localization of somatostatin-, bombesin-, and serotonin-like immunoreactivity in the lung of the fetal rhesus monkey. Dayer AM, et al. **Cell Tissue Res** 1985;239(3):621-5

Distribution of galanin-like immunoreactivity in the gastro-intestinal tract of several mammalian species. Melander T, et al. **Cell Tissue Res** 1985;239(2):253-70

Urotensin II-immunoreactive neurons in the caudal neurosecretory system of freshwater and seawater fish. Owada K, et al. **Cell Tissue Res** 1985;239(2):349-54

Regulatory peptides in neuronal neoplasms of the central nervous system. Giangaspero F, et al. **Clin Neuropathol** 1985 May-Jun;4(3):111-5

Leukaemic promyelocytes and normal bone marrow cells release a passive sodium transport modifier (inhibitin). Morgan K, et al. **Clin Sci** 1985 Mar;68(3):365-8

Proximal tubular hydrolysis and transport of small peptides. Carone FA, et al. **Contrib Nephrol** 1984;42:1-9

Peptidases and peptide transport in mammalian kidney. Ganapathy V, et al. **Contrib Nephrol** 1984;42:10-8 (23 ref.)

Ontogeny of the 38K epsilon-polypeptide during lens development of the duck Anas platyrhynchos. Brahma SK, et al. **Curr Eye Res** 1985 Jun;4(6):679-84

Peptide-maps of procollagen (I) from corneas and tendons of 17-day-old chick embryos. Kao WW. **Curr Eye Res** 1985 Feb;4(2):79-86

Identification of two of the major phosphorylated polypeptides of the bovine lens utilizing a lens cAMP-dependent protein kinase system. Sredy J, et al. **Curr Eye Res** 1984 Dec;3(12):1423-31

Comparative effects of bombesin and porcine gastrin-releasing peptide in the dog. Lambert JR, et al. **Dig Dis Sci** 1984 Nov;29(11):1036-40

Degradation of insulin-like growth factors I and II by a human insulin degrading enzyme. Roth RA, et al. **Endocr Res** 1984;10(2):101-12

Mouse salivary glands secrete a glucagon-degrading enzyme, not glucagon. Baldissera FG, et al. **Endocrinology** 1985 Jul;117(1):84-7

Ontogeny and characterization of basic somatomedin receptors in rat placenta. Bhaumick B, et al. **Endocrinology** 1985 Feb;116(2):492-8

Soluble metalloendopeptidase from rat brain: action on enkephalin-containing peptides and other bioactive peptides. Chu TG, et al. **Endocrinology** 1985 Apr;116(4):1418-25

Immunocytochemical studies of the peptidergic innervation of the thyroid gland in the Brattleboro rat. Hedge GA, et al. **Endocrinology** 1984 Dec;115(6):2071-6

Rat hepatocyte insulin-like growth factor I and binding protein: effect of growth hormone in vitro and in vivo. Scott CD, et al. **Endocrinology** 1985 Mar;116(3):1102-7

Fetal rat chondrocytes sequentially elaborate separate growth- and differentiation-promoting peptides during their development in vitro. Shen V, et al. **Endocrinology** 1985 Mar;116(3):920-5

Thrombin specificity. Requirement for apolar amino acids adjacent to the thrombin cleavage site of polypeptide substrate. Chang JY. **Eur J Biochem** 1985 Sep 2;151(2):217-24

Poly(L-proline)-binding proteins from chick embryos are a profilin and a profilactin. Tanaka M, et al. **Eur J Biochem** 1985 Sep 2;151(2):291-7

Neuromedin K, a tool to further distinguish two central tachykinin binding sites. Torrens Y, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):381-2

On the blood-brain barrier to peptides: [3H]gonadotropin-releasing hormone accumulation by eighteen regions of the rat brain and by anterior pituitary. Ermisch A, et al. **Exp Clin Endocrinol** 1984 Jul;84(1):112-6

The phosphorylation of bovine and human lens polypeptides. Sredy J, et al. **Exp Eye Res** 1984 Nov;39(5):653-64

Pulmonary bombesin in experimentally induced asbestosis in rats. Day R, et al. **Exp Lung Res** 1985;8(1):1-13

A polypeptide immunoreactive nonchromaffin paraganglioma in the periglandular connective tissue of glandula suprarenalis of a dog. A case report. Dorn A, et al. **Exp Pathol** 1985;27(2):99-104

Degradation of somatomedins by the thioredoxin system. Enberg G, et al. **FEBS Lett** 1985 Apr 8;183(1):52-4

Adenosine 5'-triphosphate stimulates the release of polypeptides from mitochondria. Felipo V, et al. **FEBS Lett** 1985 Apr 8;183(1):60-4

Glucagon-like peptides in the CNS of man: localization and possible functional importance. Bernstein HG. **Folia Histochem Cytobiol** 1984;22(3-4):191-3

Distribution and release of peptide YY in dog measured by specific radioimmunoassay. Taylor IL. **Gastroenterology** 1985 Mar;88(3):731-7

Distribution and endocrine morphology of polypeptide YY (PYY) containing cells in the human gut. Kishimoto S, et al. **Hiroshima J Med Sci** 1985 Mar;34(1):155-60

Peptide-immunoreactive nerves in the mammalian female genital tract. Huang WM, et al. **Histochem J** 1984 Dec;16(12):1297-310

Functional and anatomical relationships between antral gastrin cells and gastrin-releasing peptide neurons. Jain DK, et al. **Histochemistry** 1985;82(5):463-7

Characterization of response of gut GLI to fat ingestion in dogs. Ohneda A, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:105-9

Further study of beta-TGFs released by virally transformed and non-transformed cells. Krycève-Martinerie C, et al. **Int J Cancer** 1985 Apr 15;35(4):553-8

Detection of herpes simplex virus induced polypeptides in rabbit trigeminal ganglia. Green MT, et al. **Invest Ophthalmol Vis Sci** 1984 Dec;25(12):1436-40

Polypeptide involved in the Escherichia coli plasmid-mediated citrate transport system. Hirato T, et al. **J Bacteriol** 1984 Oct;160(1):421-6

Multiplicity of peptide permeases in Candida albicans: evidence from novel chromophoric peptides. McCarthy PJ, et al. **J Bacteriol** 1985 Jun;162(3):1024-9

The synthesis of export-defective proteins can interfere with normal protein export in Escherichia coli. Bankaitis VA, et al. **J Biol Chem** 1984 Oct 10;259(19):12193-200

The interaction of calmodulin with amphiphilic peptides. Cox JA, et al. **J Biol Chem** 1985 Feb 25;260(4):2527-34

Binding of insulin-like growth Factor ii and multiplication-stimulating activity-stimulated phosphorylation in basolateral membranes from dog kidney. Hammerman MR, et al. **J Biol Chem** 1984 Nov 10;259(21):13511-7

Selective regulation of carboxypeptidase peptide hormone-processing enzyme during enkephalin biosynthesis in cultured bovine adrenomedullary chromaffin cells. Hook VY, et al. **J Biol Chem** 1985 May 25;260(10):5991-7

Spatial requirements for location of basic residues in peptide substrates for smooth muscle myosin light chain kinase. Kemp BE, et al. **J Biol Chem** 1985 Mar 25;260(6):3355-9

Subunit structure of a high-affinity receptor for type beta-transforming growth factor. Evidence for a disulfide-linked glycosylated receptor complex. Massagué J. **J Biol Chem** 1985 Jun 10;260(11):7059-66

Cellular receptors for type beta transforming growth factor. Ligand binding and affinity labeling in human and rodent cell lines. Massagué J, et al. **J Biol Chem** 1985 Mar 10;260(5):2636-45

Effect of intracellular Ca2+ on insulin-like growth factor II. internalization into pancreatic acini. Roles of insulin and cholecystokinin. Mössner J, et al. **J Biol Chem** 1984 Oct 25;259(20):12350-6

Direct demonstration of rapid insulin-like growth factor II Receptor internalization and recycling in rat adipocytes. Insulin stimulates 125I-insulin-like growth factor II degradation by modulating the IGF-II receptor recycling process. Oka Y, et al. **J Biol Chem** 1985 Aug 5;260(16):9435-42

Characterization of insulin-like growth factor I-stimulated tyrosine kinase activity associated with the beta-subunit of type I insulin-like growth factor receptors of rat liver cells. Sasaki N, et al. **J Biol Chem** 1985 Aug 15;260(17):9793-804

Disulfide spacer between methotrexate and poly(D-lysine). A probe for exploring the reductive process in endocytosis. Shen WC, et al. **J Biol Chem** 1985 Sep 15;260(20):10905-8

The characterization of high-affinity binding sites in rat brain for the mast cell-degranulating peptide from bee venom using the purified monoiodinated peptide. Taylor JW, et al. **J Biol Chem** 1984 Nov 25;259(22):13957-67

Blood-brain barrier and peptides. Ermisch A, et al. **J Cereb Blood Flow Metab** 1985 Sep;5(3):350-7 (84 ref.)

Characterization of insulin-like growth factor II binding to human fibroblast monolayer cultures. Thorsson AV, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):387-91

Molecular forms of glucagon-like peptide-1 in human pancreas and glucagonomas. Uttenthal LO, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):472-9

Formation of methotrexate polyglutamates in purified myeloid precursor cells from normal human bone marrow. Koizumi S, et al. **J Clin Invest** 1985 Mar;75(3):1008-14

Rapid changes in growth hormone regulation and hypothalamic somatostatin after transection of anterolateral pathways to the medial-basal hypothalamus in the rat. Kakucska I, et al. **J Endocrinol** 1985 Jan;104(1):121-7

Mechanism of action of nikkomycin and the peptide transport system of Candida albicans. McCarthy PJ, et al. **J Gen Microbiol** 1985 Apr;131 (Pt 4):775-80

Transport and hydrolysis of antibacterial peptide analogues in Escherichia coli: backbone-modified aminoxy peptides. Payne JW, et al. **J Gen Microbiol** 1984 Sep;130 (Pt 9):2253-65

The distribution and chromatographic characterization of PHI (peptide histidine isoleucine amide)-27-like peptides in rat and porcine brain. Beinfeld MC, et al. **J Neurosci** 1984 Nov;4(11):2681-8

Autoradiographic localization of (125I-Tyr4)bombesin-binding sites in rat brain. Zarbin MA, et al. **J Neurosci** 1985 Feb;5(2):429-37

Regulatory peptides in Barrett's oesophagus. Buchan AM, et al. **J Pathol** 1985 Jul;146(3):227-34

In vivo conversion of peptide drugs into high molecular weight forms. Hori R, et al. **J Pharmacobiodyn** 1984 Dec;7(12):910-6

The reticulocytic rat: a model for analysis of methotrexate polyglutamate dynamics in situ. Krakower GR, et al. **J Pharmacol Exp Ther** 1984 Oct;231(1):43-7

Pharmacokinetics of the poly-gamma-glutamyl metabolites of methotrexate in skin and other tissues of rats and hairless mice. Zimmerman CL, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):242-7

Interaction of PHM, PHI and 24-glutamine PHI with human VIP receptors from colonic epithelium: comparison with rat intestinal receptors. Laburthe M, et al. **Life Sci** 1985 Mar 11;36(10):991-5

High affinity receptors for bombesin/GRP-like peptides on human small cell lung cancer. Moody TW, et al. **Life Sci** 1985 Jul 15;37(2):105-13

Peptide hormone receptors in intracellular structures from rat liver. Posner BI, et al. **Methods Enzymol** 1985;109:219-31

Absorption-promoting adjuvants: animal studies on their effects on rectal drug absorption. Caldwell L, et al. **Methods Find Exp Clin Pharmacol** 1984 Sep;6(9):503-7

Receptor-mediated endocytosis of polypeptide hormones: mechanism and significance. Carpentier JL. **Mol Immunol** 1984 Dec;21(12):1157-9 (34 ref.)

A new type of tachykinin binding site in the rat brain characterized by specific binding of a labeled eledoisin derivative. Beaujouan JC, et al. **Mol Pharmacol** 1984 Sep;26(2):248-54

Regiospecific gamma-conjugation of methotrexate to poly(L-lysine). Chemical and biological studies. Rosowsky A, et al. **Mol Pharmacol** 1985 Jan;27(1):141-7

Fibronectin-regulated methionine enkephalin-like and somatostatin-like immunoreactivity in quail neural crest cell cultures. Sieber-Blum M. **Neuropeptides** 1984 Nov;4(6):457-66

Immunohistochemical localization of corticotropin-releasing factor (CRF)-like immunoreactivity in the hypothalamus of the newt, Triturus cristatus. Fasolo A, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):135-42

Bombesin-like immunoreactivity in female rat genito-urinary tract. Ghatei MA, et al. **Neurosci Lett** 1985 Feb 28;54(1):13-9

Localization of somatostatin-like immunoreactivity in the area postrema of the rat and cat. Newton BW, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):333-8

Immunohistochemical distribution of somatostatin-like immunoreactivity in the central nervous system of the adult rat. Johansson O, et al. **Neuroscience** 1984 Oct;13(2):265-339

Combined production of mucus, amines and peptides by goblet-cell carcinoids of the appendix and ileum. Höfler H, et al. **Pathol Res Pract** 1984 Jul;178(6):555-61

Catabolism of gastrin releasing peptide and substance P by gastric membrane-bound peptidases. Bunnett NW, et al. **Peptides (Fayetteville)** 1985 Mar-Apr;6(2):277-83

Evidence for an endogenous peptide ligand for the phencyclidine receptor. Quirion R, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):967-73

Hybrid molecules containing the B-domain of insulin-like growth factor I are recognized by carrier proteins of the growth factor. De Vroede MA, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):3010-4

BSC-1 growth inhibitor transforms a mitogenic stimulus into a hypertrophic stimulus for renal proximal tubular cells: relationship to Na+/H+ antiport activity. Fine LG, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6163-6

(Glu62, Ala30, Tyr8)n serves as high-affinity substrate for tyrosylprotein sulfotransferase: a Golgi enzyme. Lee RW, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6143-7

Specific binding to cultured cells of 125I-labeled type beta transforming growth factor from human platelets. Tucker RF, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6757-61

Protein digestion and amino acid and peptide absorption. Silk DB, et al. **Proc Nutr Soc** 1985 Feb;44(1):63-72 (89 ref.)

The pro-enkephalin A derivative, peptide E, is centrally processed to active fragments. Davis TP, et al. **Proc West Pharmacol Soc** 1984;27:577-81

Peptide intermediates in the degradation of cellular proteins. Botbol V, et al. **Prog Clin Biol Res** 1985;180:573-83

Fragmentation of extracellular and intracellular polypeptides by free radicals. Dean RT, et al. **Prog Clin Biol Res** 1985;180:341-50

VIP and PHI coexist with an NPY-like peptide in intramural neurones of the small intestine. Ekblad E, et al. **Regul Pept** 1984 Dec;10(1):47-55

Bombesin-like immunoreactivity in human gastrointestinal tract. Price J, et al. **Regul Pept** 1984 Sep;9(1-2):1-10

Distribution of bombesin- and cholecystokinin-like immunoreactivity in rat and dog brain and gastrointestinal tract. Soveny C, et al. **Regul Pept** 1984 Sep;9(1-2):61-8

In vivo function and membrane binding properties are correlated for Escherichia coli lamB signal peptides. Briggs MS, et al. **Science** 1985 May 31;228(4703):1096-9

Novel pharmacology of substance K-binding sites: a third type of tachykinin receptor. Buck SH, et al. **Science** 1984 Nov 23;226(4677):987-9

How do proteins find mitochondria? [news] Kolata G. **Science** 1985 Jun 28;228(4 7):1517-8

Growth inhibitor from BSC- . cells closely related to platelet type beta transforming growth factor. Tucker RF, et al. **Science** 1984 Nov 9;226(4675):705-7

The enhanced activation of Glu-plasminogen by urokinase in the presence of fibrin or des A fibrin as measured by the release of B beta peptide and FDP. Urano T, et al.

Thromb Res 1984 Dec 1;36(5):429-35

Brain peptides. Krieger DT. **Vitam Horm** 1984;41:1-50, 275-81 (169 ref.)

The metabolism of phenothiazine in the neonatal calf: identification of drug-polypeptide conjugates from urine. Waring RH, et al. **Xenobiotica** 1985 Jun;15(6):459-68

[Transport of amino acids and peptides in the intestine] Chen QS. **Sheng Li Ko Hsueh Chin Chan** 1984 Jul;15(3):255-7 **(Chi)**

[Endocytosis of peptide hormones mediated by receptors] Gao EW, et al. **Sheng Li Ko Hsueh Chin Chan** 1984 Apr; 15(2):157-61 **(Chi)**

[Determination of enzymatic catalysis for the cis-trans-isomerization of peptide binding in proline-containing peptides] Fischer G, et al. **Biomed Biochim Acta** 1984;43(10):1101-11 (Eng. Abstr.) **(Ger)**

[The kinetics of hydrolysis of alanine peptide esters and -p-nitroanilides by thermitase, a thermostable serine protease from Thermoactinomyces vulgaris: secondary specificity, influence of temperature and solute] Rothe U, et al. **Biomed Biochim Acta** 1985;44(2):175-83 (Eng. Abstr.) **(Ger)**

[Serum concentrations of tissue polypeptide antigen and alpha 1-fetoprotein in patients with primary liver cancer, liver metastasis and liver cirrhosis] Polterauer P, et al. **Wien Klin Wochenschr** 1985 Apr 26;97(9):417-20 (Eng. Abstr.) **(Ger)**

[Phosphorylation of the receptor insulin and insulin-like growth factors] Kasuga M, et al. **Gan To Kagaku Ryoho** 1985 Mar;12(3 Pt 2):646-52 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical evaluation of small peptides as a nitrogen source in enteral nutrition (I). Nutritional usefulness following massive small bowel resection in the rat.] Kobayashi N, et al. **Nippon Geka Hokan** 1984 Jan 1;53(1):125-32 (Eng. Abstr.) **(Jpn)**

[Peptides and human reproduction] Fahrenkrug J, et al. **Nord Med** 1984;99(10):254-7 (Eng. Abstr.) **(Nor)**

[Physiological effects of bombesin] Klimov PK, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):145-70 (119 ref.) (Eng. Abstr.) **(Rus)**

[Enzyme preparations for research on protein hydrolysates and amino acid mixtures not containing peptides] Krest'ianova IN, et al. **Prikl Biokhim Mikrobiol** 1985 Jan-Feb;21(1):48-57 (Eng. Abstr.) **(Rus)**

[Role of proteolytic enzymes in the regulation of physiological processes] Orekhovich VN, et al. **Vestn Akad Med Nauk SSSR** 1984;(8):3-11 (Eng. Abstr.) **(Rus)**

[Peptide regulators originating from nonspecialized protein precursors] Iankovskiĭ OIu. **Zh Evol Biokhim Fiziol** 1985 Jan-Feb;21(1):62-9 (30 ref.) **(Rus)**

PHARMACODYNAMICS

Bombesin inhibits thyrotrophin secretion in rats. Mitsuma T, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):79-84

Comparison of in vivo effects of insulin-like growth factors I and II and of growth hormone in hypophysectomized rats. Schoenle E, et al. **Acta Endocrinol (Copenh)** 1985 Feb; 108(2):167-74

Effects of insulin-like growth factors on chick embryo hepatocytes. Widmer U, et al. **Acta Endocrinol (Copenh)** 1985 Feb;108(2):237-44

Increase in neurotensin-like immunoreactivity in rat plasma after administration of calcium, bombesin and fat and its inhibition by somatostatin. Rökaeus A. **Acta Physiol Scand** 1984 Nov;122(3):261-7

The histamine-releasing effect of dynorphin and other peptides possessing Arg-Pro sequences. Sydbom A, et al. **Agents Actions** 1985 Apr;16(3-4):269-72

Effects of sham feeding, bethanechol, and bombesin on somatostatin release in dogs. De Graef J, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G1-7

Acute and chronic gastrin-releasing peptide decreases food intake in baboons. Figlewicz DP, et al. **Am J Physiol** 1985 May;248(5 Pt 2):R578-83

Central nervous system cardiovascular effects of bombesin in conscious rats. Fisher LA, et al. **Am J Physiol** 1985 Apr; 248(4 Pt 2):H425-31

Hypothalamic sodium-transport inhibitor is a high-affinity reversible inhibitor of Na+-K+-ATPase. Haupert GT Jr, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):F919-24

Bombesin-induced residual stimulation of amylase release from mouse pancreatic acini. Howard JM, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):G196-9

Gastrin-releasing peptide: effect on exocrine secretion and release from isolated perfused porcine pancreas. Knuhtsen S, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):G281-6

Corticotropin-releasing factor, sauvagine, and urotensin I: effects on blood flow. Lenz HJ, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):R85-90

Ion transport in goby intestine: cellular mechanism of urotensin II stimulation. Loretz CA, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):G284-93

Peptide YY inhibits meal-stimulated pancreatic and gastric secretion. Pappas TN, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G118-23

Inhibition of neurally mediated gastrin secretion by bombesin antiserum. Schubert ML, et al. **Am J Physiol** 1985 Apr; 248(4 Pt 1):G456-62

Effect of GRP on beta-adrenergic-stimulated gastrin and somatostatin release in the isolated rat stomach. Short GM, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):G197-202

Effects of pancreatic polypeptide, caerulein, and bombesin on satiety in obese mice. Taylor IL, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):G277-80

Copolymer I: effect on normal human lymphocytes. Brosnan CF, et al. **Ann NY Acad Sci** 1984;436:498-9

Actions of insulin-like growth factors. Froesch ER, et al. **Annu Rev Physiol** 1985;47:443-67 (67 ref.)

Structure and mode of action of microcin 7, an antibacterial peptide produced by Escherichia coli. Garcia-Bustos JF, et al. **Antimicrob Agents Chemother** 1985 May;27(5):791-7

Wide-spectrum antibiotic activity of bovine granulocyte polypeptides. Savoini A, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):405-7

Effects of granulosa cells and gonadotrophins on maturation of rabbit oocytes in vitro. Schulz BO, et al. **Arch Gynecol** 1985;236(3):135-43

The effect of a proline-rich polypeptide (PRP) on the humoral immune response. II. PRP induces differentiation of helper cells from glass-nonadherent thymocytes (NAT) and suppressor cells from glass-adherent thymocytes (GAT). Zimecki M, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(2):197-201

The effect of a proline-rich polypeptide (PRP) on the humoral immune response. I. Distinct effect of PRP on the T cell properties of mouse glass-nonadherent (NAT) and glass-adherent (GAT) thymocytes in thymectomized mice. Zimecki M, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(2):191-6

The effects of basic and acidic synthetic polypeptides on the adherence of the oral bacteria, Streptococcus mutans and Streptococcus sanguis, to hydroxyapatite. Lamberts BL, et al. **Arch Oral Biol** 1985;30(3):295-8

Effect of proteolytic enzymes and polypeptides on the antacid activity of almagate and other antacids. Beneyto JE, et al. **Arzneimittelforsch** 1984;34(10A):1357-60

Neuropeptides with vascular activity: VIP, PHI, NPY and substance P. Lundberg JM, et al. **Bibl Cardiol** 1984; (38):60-9

Comparative effects of insulin and insulin-like growth factors on DNA synthesis and differentiation of porcine granulosa cells. Baranao JL, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):484-90

The stimulation of prostaglandin production by transforming growth factor-alpha and 12-O-tetradecanoyl-phorbol-13-acetate or 1-oleoyl-2-acetyl-glycerol is synergistic. Levine L, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):110-7

Role of aspartate residues in the cardiac stimulatory activity of anthopleurin-A. Gruen LC, et al. **Biochem Int** 1985 Jul; 11(1):69-76

Design and synthesis of a consensus signal sequence that inhibits protein translocation into rough microsomal vesicles. Austen BM, et al. **Biochem J** 1984 Nov 15; 224(1):317-25

The capacity of basic peptides to trigger exocytosis from mast cells correlates with their capacity to immobilize band 3 proteins in erythrocyte membranes. Dufton MJ, et al. **Biochem J** 1984 Oct 1;223(1):67-71

Insulin-like growth factor characteristics of an acidic non-suppressible insulin-like activity. Herington AC, et al. **Biochem J** 1984 Oct 1;223(1):89-96

Zymogen-activation kinetics. Modulatory effects of trans-4-(aminomethyl)cyclohexane-1-carboxylic acid and poly-D-lysine on plasminogen activation. Petersen LC, et al. **Biochem J** 1985 Jan 1;225(1):149-58

Inhibition of prostaglandin biosynthesis by the mast-cell-degranulating agent compound 48/80 but not by the mast-cell-degranulating peptide (peptide-401) from bee venom. Dempsey CE, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2391-4

Structure-activity relationships in the dodecapeptide alpha-factor of Saccharomyces cerevisiae: position 6 analogues are poor inducers of agglutinability. Baffi RA, et al. **Biochemistry** 1985 Jun 18;24(13):3332-7

Connective tissue activation: stimulation of glucose transport by connective tissue activating peptide III. Castor CW, et al. **Biochemistry** 1985 Mar 26;24(7):1762-7

Polyhistidine mediates an acid-dependent fusion of negatively charged liposomes. Wang CY, et al. **Biochemistry** 1984 Sep 11;23(19):4409-16

Differential effects of parathyroid hormone and somatomedin-like growth factors on the sizes of proteoglycan monomers and their synthesis in rabbit costal chondrocytes in culture. Hiraki Y, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):445-53

3T3 fibroblasts release a low-molecular-weight inhibitory peptide of lymphocyte DNA synthesis into serum-free culture medium. Okai Y. **Biochim Biophys Acta** 1984 Nov 28;802(2):287-91

A method facilitating the demonstration of synergism in the tissue-responses to mixed peptide stimuli. Bourgarit JJ, et al. **Biochimie** 1984 Nov-Dec;66(11-12):711-5

Poly(DL-proline), a synthetic polypeptide behaving as an ion channel across bilayer membranes. De Santis P, et al. **Biophys Chem** 1985 Mar;21(3-4):211-5

Peptide homologs, isosteres, and isomers: a general approach to structure-activity relationships. Goodman M. **Biopolymers** 1985 Jan;24(1):137-55

Substance K excites dopaminergic and non-dopaminergic neurons in rat substantia nigra. Innis RB, et al. **Brain Res** 1985 Jun 3;335(2):381-3

Behavioral and electrophysiological manifestations of bombesin: excessive grooming and elimination of sleep. Rasler FE. **Brain Res** 1984 Oct 29;321(1):187-91

Characterization of the relaxant effects of vasoactive intestinal peptide (VIP) and PHI on isolated brain arteries. Suzuki Y, et al. **Brain Res** 1984 Nov 19;322(1):9-16

Vasoactive intestinal peptide and PHI stimulate somatostatin release from rat cerebral cortical and diencephalic cells in dispersed cell culture. Tapia-Arancibia L, et al. **Brain Res** 1985 Jun 10;336(1):67-72

Inhibition of apatite crystal growth by the amino-terminal segment of human salivary acidic proline-rich proteins. Aoba T, et al. **Calcif Tissue Int** 1984 Dec;36(6):651-8

Receptor binding and growth-promoting activity of insulin-like growth factors in human breast cancer cells (T-47D) in culture. Myal Y, et al. **Cancer Res** 1984 Dec; 44(12 Pt 1):5486-90

Use of agarose culture to measure the effect of transforming growth factor beta and epidermal growth factor on rabbit articular chondrocytes. Skantze KA, et al. **Cancer Res** 1985 Sep;45(9):4416-21

Immunomodulatory effects in mice of polyinosinic-polycytidylic acid complexed with poly-L-lysine and carboxymethylcellulose. Talmadge JE, et al. **Cancer Res** 1985 Mar;45(3):1058-65

Transforming growth factors induce markers of neoplasia in cultured adult rat bladder. Knowles MA, et al. **Carcinogenesis** 1985 Apr;6(4):595-604

Autocrine growth induced by src-related oncogenes in transformed chicken myeloid cells. Adkins B, et al. **Cell** 1984 Dec;39(3 Pt 2):439-45

Proliferative response of murine B-cell leukemia (BCL1) to poly(L-lysine). Morecki S, et al. **Cell Immunol** 1985 Feb; 90(2):392-400

The in vitro effect of thymic polypeptide on peripheral lymphocytes of children with respiratory diseases and a preliminary observation of its therapeutic efficacy. Li ZM, et al. **Chin Med J [Engl]** 1984 Aug;97(8):593-8

Differential effects of ovine and human corticotrophin-releasing factor in human subjects. Hermus AR, et al. **Clin Endocrinol (Oxf)** 1984 Nov;21(5):589-95

Electrophysiological studies of peptide actions on the excitability of cultured nerve and pituitary cells. Barker JL, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):1701-16 (32 ref.)

Mechanism of the pressor response to tetradecapeptide renin substrate in the rat. Sybertz EJ, et al. **Clin Exp Hypertens [A]** 1984;6(12):2143-59

Biologically active complement (C5)-derived peptides and their relevance to disease. Perez HD. **CRC Crit Rev Oncol Hematol** 1984;1(3):199-225 (176 ref.)

Galanin inhibits insulin secretion and induces hyperglycemia in dogs. McDonald TJ, et al. **Diabetes** 1985 Feb;34(2):192-6

Insulin and multiplication-stimulating activity induce a very rapid centrosomal orientation response to wounding in endothelial cell monolayers. Mascardo RN, et al. **Diabetes** 1984 Nov;33(11):1099-105

How glucagon-like is glucagon-like peptide-1? Ghiglione M, et al. **Diabetologia** 1984 Dec;27(6):599-600

Effect of vagal blockade on food- and hormone-stimulated release of pancreatic polypeptide and motilin in dogs. Greenberg GR, et al. **Dig Dis Sci** 1985 Oct;30(10):946-53

Comparative effects of bombesin and porcine gastrin-releasing peptide in the dog. Lambert JR, et al. **Dig Dis Sci** 1984 Nov;29(11):1036-40

Effects of peptide YY and neuropeptide Y on gastric emptying in man. Allen JM, et al. **Digestion** 1984; 30(4):255-62

The effects of activating peptides and proteins on the activity of reconstituted cholesterol desmolase systems. Greenfield NJ. **Endocr Res** 1984-85;10(3-4):563-83 (23 ref.)

Suppressive effects of cholecystokinin and bombesin on growth hormone and prolactin secretion in urethane-anesthetized rats. Karashima T, et al. **Endocrinol Jpn** 1984 Oct;31(5):539-47

Absence of effect of the peptide PHI-27 on LH release in vitro. Miyake A, et al. **Endocrinol Jpn** 1984 Dec;31(6):821-4

Effects of bombesin and gastrin releasing peptide on catecholamine secretion from rat adrenal gland, in vitro. Okubo M, et al. **Endocrinol Jpn** 1985 Feb;32(1):21-7

Multiplication-stimulating activity (MSA) stimulates proteoglycan synthesis in cultured endothelial cells. Bar RS, et al. **Endocrinology** 1984 Dec;115(6):2487-9

Activation of luteinizing hormone release from pituitary cells by polycations. Conn PM, et al. **Endocrinology** 1984 Nov; 115(5):1913-7

Efficacy of octa- and heptapeptide antagonists of angiotensin II as inhibitors of angiotensin III binding in the rat adrenal glomerulosa. Douglas JG, et al. **Endocrinology** 1985 Apr; 116(4):1598-602

Effects of insulin-like growth factors on adult male rat pituitary function in tissue culture. Goodyer CG, et al. **Endocrinology** 1984 Oct;115(4):1568-76

The effect of gastrin-releasing peptide on growth hormone secretion in the rat. Kentroti S, et al. **Endocrinology** 1985 Oct;117(4):1363-7

The influence of insulin and insulin-like growth factor-I on hexose transport by Sertoli cells. Mita M, et al. **Endocrinology** 1985 Mar;116(3):987-92

Prolonged inhibition of growth hormone secretion by peripheral injection of bombesin is mediated by somatostatin in the rat. Murphy WA, et al. **Endocrinology** 1985 Sep;117(3):1179–83

Preliminary characterization of enterooxyntic activity on the guinea pig oxyntic cell. Strodel WE, et al. **Endocrinology** 1985 Jul;117(1):376–81

The intestinal peptide PHI-27 potentiates the action of corticotropin-releasing factor on ACTH release from rat pituitary fragments in vitro. Tilders F, et al. **Endocrinology** 1984 Oct;115(4):1633–5

Trophic actions of human somatomedin C/insulin-like growth factor I on ovarian cells: in vitro studies with swine granulosa cells. Veldhuis JD, et al. **Endocrinology** 1985 Apr;116(4):1235–42

The mode of action of restrictocin and mitogillin on eukaryotic ribosomes. Inhibition of brain protein synthesis, cleavage and sequence of the ribosomal RNA fragment. Fando JL, et al. **Eur J Biochem** 1985 May 15;149(1):29–34

Inhibition of substance P degradation in rat brain preparations by peptide hydroxamic acids. Laufer R, et al. **Eur J Biochem** 1985 Jul 1;150(1):135–40

The protein phosphatases involved in cellular regulation. 1. Modulation of protein phosphatases-1 and 2A by histone H1, protamine, polylysine and heparin. Pelech S, et al. **Eur J Biochem** 1985 Apr 15;148(2):245–51

The proenkephalin A fragment, peptide E: central processing and CNS activity in vivo. Davis TP, et al. **Eur J Pharmacol** 1985 May 8;111(2):177–83

The contractile effect of bombesin, gastrin releasing peptide and various fragments in the rat stomach strip. Girard F, et al. **Eur J Pharmacol** 1984 Jul 20;102(3–4):489–97

Cardiotonic effects of anthopleurin-A (AP-A), a polypeptide from a sea anemone, in dogs with a coronary artery stenosis. Gross GJ, et al. **Eur J Pharmacol** 1985 Apr 2;110(2):271–6

Activities and antagonism of bombesin on urinary smooth muscles. Mizrahi J, et al. **Eur J Pharmacol** 1985 May 20;111(3):339–45

Mitogenic activity of glia maturation factor. Interaction with insulin and insulin-like growth factor-II. Lim R, et al. **Exp Cell Res** 1985 Aug;159(2):335–43

H1 histone, polylysine and spermine facilitate nucleosome assembly in vitro. Bogdanova ES. **FEBS Lett** 1984 Oct 1;175(2):321–4

Human glucagon-like peptides 1 and 2 activate rat brain adenylate cyclase. Hoosein NM, et al. **FEBS Lett** 1984 Dec 3;178(1):83–6

Apparent inhibition of glycoprotein synthesis by S.cerevisiae mating pheromones. Orlean P, et al. **FEBS Lett** 1985 May 20;184(2):313–7

Effect of peptide YY on gastric, pancreatic, and biliary function in humans. Adrian TE, et al. **Gastroenterology** 1985 Sep;89(3):494–9

Comparative studies on the effects of cholecystokinins, caerulein, bombesin 6–14 nonapeptide, and physalaemin on gastric secretion in the ascidian Styela clava. Thorndyke MC, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):251–9

Influence of somatostatin and bombesin on plasma enteroglucagon and cell proliferation after intestinal resection in the rat. Sagor GR, et al. **Gut** 1985 Jan;26(1):89–94

Acute in vivo stimulatory effects of human pituitary lipid-mobilizing factor on plasma levels of glucagon and insulin in rabbits. Knudtzon J, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:1–6

Peptide hormones and lipolysis in rabbit adipocytes. Richter WO, et al. **Horm Metab Res** 1985 Mar;17(3):127–30

Study on the effect of calf thymic peptides preparation (TP) on human B lymphocytes. Zhu LP, et al. **Immunol Invest** 1985 Apr;14(2):115–29

Effects of human anaphylatoxins on guinea pig atria. Huey R, et al. **Immunopharmacology** 1984 Dec;8(3–4):147–54

Inhibition by various peptides of the activation of C1, the first component of complement, and the interaction of C gamma 2 domain of IgG with C1q. Takada A, et al. **Immunopharmacology** 1985 Apr;9(2):87–95

Inhibition of the activation of the first component of complement, C1, by various amino acids or peptides. Takada A, et al. **Immunopharmacology** 1984 Aug;8(1):27–35

Stimulation and inhibition of myoblast differentiation by hormones. Florini JR, et al. **In Vitro** 1984 Dec;20(12):942–58

Bactericidal activity of human lysozyme, muramidase-inactive lysozyme, and cationic polypeptides against Streptococcus sanguis and Streptococcus faecalis: inhibition by chitin oligosaccharides. Laible NJ, et al. **Infect Immun** 1985 Jun;48(3):720–8

Anti-writhing activity of some peptides related to neurotensin and tuftsin. Nicolaides ED, et al. **Int J Pept Protein Res** 1985 Apr;25(4):435–41

Comparative study on the electrophysiological responses at thalamic level to different analgesic peptides. Braga PC, et al. **Int J Tissue React** 1985;7(1):85–91

Neomorphogenesis of blood vessels in rabbit skin induced by a highly purified monocyte-derived polypeptide (monocyto-angiotropin) and associated tissue reactions. Höckel M, et al. **Int J Tissue React** 1984;6(4):323–31

Antimicrobial action of epsilon-poly-L-lysine. Shima S, et al. **J Antibiot (Tokyo)** 1984 Nov;37(11):1449–55

Synthetic peptides competitively inhibit both direct binding to fibroblasts and functional biological assays for the purified cell-binding domain of fibronectin. Akiyama SK, et al. **J Biol Chem** 1985 Sep 5;260(19):10402–5

Enhanced inhibition of thymidylate synthase by methotrexate polyglutamates. Allegra CJ, et al. **J Biol Chem** 1985 Aug 15;260(17):9720–6

Biphasic effects of type beta transforming growth factor on epidermal growth factor receptors in NRK fibroblasts. Functional consequences for epidermal growth factor-stimulated mitosis. Assoian RK. **J Biol Chem** 1985 Aug 15;260(17):9613–7

Induction of collagenase secretion in human fibroblast cultures by growth promoting factors. Chua CC, et al. **J Biol Chem** 1985 May 10;260(9):5213–6

Evidence for a role of the amino-terminal region in the biological activity of the classical anaphylatoxin, porcine C5a des-Arg-74. Gerard C, et al. **J Biol Chem** 1985 Mar 10;260(5):2613–6

Binding of insulin-like growth Factor ii and multiplication-stimulating activity-stimulated phosphorylation in basolateral membranes from dog kidney. Hammerman MR, et al. **J Biol Chem** 1984 Nov 10;259(21):13511–7

Stimulation by insulin-like growth factors is required for cellular transformation by type beta transforming growth factor. Massagué J, et al. **J Biol Chem** 1985 Apr 25;260(8):4551–4

Receptor-mediated regulation of guanylate cyclase activity in spermatozoa. Ramarao CS, et al. **J Biol Chem** 1985 Jul 15;260(14):8390–6

The ompA signal peptide directed secretion of Staphylococcal nuclease A by Escherichia coli. Takahara M, et al. **J Biol Chem** 1985 Mar 10;260(5):2670–4

Transforming growth factor-beta modulates the high-affinity receptors for epidermal growth factor and transforming growth factor-alpha. Massagué J. **J Cell Biol** 1985 May;100(5):1508–14

Phenotypic transformation of normal rat kidney cells in a growth-factor-defined medium: induction by a neuroblastoma-derived transforming growth factor independently of the EGF receptor. van Zoelen EJ, et al. **J Cell Physiol** 1985 May;123(2):151–60

Receptors and growth-promoting effects of insulin and insulinlike growth factors on cells from bovine retinal capillaries and aorta. King GL, et al. **J Clin Invest** 1985 Mar;75(3):1028–36

Gastrin releasing peptide is a selective mitogen for small cell lung carcinoma in vitro. Weber S, et al. **J Clin Invest** 1985 Jan;75(1):306–9

Platelet-derived growth factor and multiplication-stimulating activity II, but not multiplication-stimulating activity III-2, stimulate [3H]thymidine and [35S]sulphate incorporation by fetal rat costal cartilage in vitro. Hill DJ, et al. **J Endocrinol** 1984 Nov;103(2):195–203

Anaphylatoxin C3a enhances mucous glycoprotein release from human airways in vitro. Marom Z, et al. **J Exp Med** 1985 Apr 1;161(4):657–68

Analysis of human blood monocyte activation at the level of gene expression. Expression of alpha interferon genes during activation of human monocytes by poly IC/LC and muramyl dipeptide. Stevenson HC, et al. **J Exp Med** 1985 Mar 1;161(3):503–13

Corticotropin-releasing factor (CRF) stimulates locomotor activity in intact and hypophysectomized newts (Amphibia). Moore FL, et al. **J Exp Zool** 1984 Sep;231(3):331–3

Cyclic AMP-dependent protein kinase in Molt 4b lymphoblasts: identification by photoaffinity labeling and activation in intact cells by vasoactive intestinal polypeptide (VIP) and peptide histidine isoleucine (PHI). O'Dorisio MS, et al. **J Immunol** 1985 Jun;134(6):4078–86

Induction of the yeast alpha-specific STE3 gene by the peptide pheromone a-factor. Hagen DC, et al. **J Mol Biol** 1984 Oct 5;178(4):835–52

Cellular lithium uptake as a probe of sodium channels in the rat heart: modulation of lithium uptake by tetrodotoxin, verapamil, anthopleurin-A, isoproterenol and external stimulation. Hunter DR, et al. **J Mol Cell Cardiol** 1984 Dec;16(12):1083–90

Effect of lipid structure on the capacity of myelin basic protein to alter vesicle properties: potent effects of aliphatic aldehydes in promoting basic protein-induced vesicle aggregation. Epand RM, et al. **J Neurochem** 1984 Dec;43(6):1550–5

Antitumor agent poly (amino acid) conjugates as a drug carrier in cancer chemotherapy. Morimoto Y, et al. **J Pharmacobiodyn** 1984 Sep;7(9):688–98

Effects of Goniopora toxin on crayfish giant axons. Muramatsu I, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):307–15

Canine bombesin-like gastrin releasing peptides stimulate gastrin release and acid secretion in the dog. Bunnett NW, et al. **J Physiol (Lond)** 1985 Aug;365:121–30

Hypothermia-inducing peptide promotes recovery of vesicular stomatitis virus from persistent animal infections. Hughes JV, et al. **J Virol** 1985 Mar;53(3):781–5

Inhibition of sodium transport in frog skin and iodination of tyrosine in vitro by a peptide of renal origin. Fregly MJ, et al. **Klin Wochenschr** 1985;63 Suppl 3:102–6

Suppression of operant responding for food and water reinforcement following intraventricular injections of Bombesin in the rat. Babcock AM, et al. **Life Sci** 1985 Mar 11;36(10):981–5

Effects of bombesin on behavior. Cowan A, et al. **Life Sci** 1985 Jul 15;37(2):135–45

In vivo potentiation of corticotropin releasing factor activity by vasopressin analogues. Fischman AJ, et al. **Life Sci** 1984 Sep 17;35(12):1311–9

Motor effects of gastrin releasing peptide (GRP) and bombesin in the canine stomach and small intestine. Fox JE, et al. **Life Sci** 1984 Oct 15;35(16):1667–73

Effect of bombesin on feeding behavior. Gibbs J. **Life Sci** 1985 Jul 15;37(2):147–53

Bombesin evoked acetylcholine release from the guinea pig antrum. Kantoh M, et al. **Life Sci** 1985 Jun 24;36(25):2445–52

Effects of porcine gastrin releasing peptide (GRP) on canine antral motility and gastrin release in vivo. McDonald TJ, et al. **Life Sci** 1984 Sep 24;35(13):1415–22

High affinity receptors for bombesin/GRP-like peptides on human small cell lung cancer. Moody TW, et al. **Life Sci** 1985 Jul 15;37(2):105–13

Centrally-mediated bombesin effects on gastrointestinal motility. Porreca F, et al. **Life Sci** 1985 Jul 15;37(2):125–34

Effect of polycations and polyanions on cell division of cultured mammalian cells. Richman R, et al. **Life Sci** 1984 Aug 20;35(8):911–6

Renal and systemic effects of synthetic atrial natriuretic factor. Seymour AA, et al. **Life Sci** 1985 Jan 7;36(1):33–44

Central nervous system action of bombesin to inhibit gastric acid secretion. Tache Y, et al. **Life Sci** 1985 Jul 15;37(2):115–23 (43 ref.)

Effect of dopamine, bombesin and cysteamine hydrochloride on plasma growth hormone response to synthetic growth hormone-releasing factor in rats. Wakabayashi I, et al. **Life Sci** 1985 Apr 15;36(15):1437–43

Post-transcriptional control of the onset of DNA synthesis by an insulin-like growth factor. Campisi J, et al. **Mol Cell Biol** 1984 Sep;4(9):1807–14

Bombesin-like peptides can function as autocrine growth factors in human small-cell lung cancer. Cuttitta F, et al. **Nature** 1985 Aug 29–Sep 4;316(6031):823–6

Human transforming growth factor-alpha causes precocious eyelid opening in newborn mice. Smith JM, et al. **Nature** 1985 Jun 6–12;315(6019):515–6

Effects of Goniopora toxin on the membrane currents of bullfrog atrial muscle. Noda M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug;327(1):75–80

Stimulation of growth hormone release by vasoactive intestinal peptide and peptide PHI in rat anterior pituitary reaggregates. Permissive action of a glucocorticoid and inhibition by thyrotropin-releasing hormone. Denef C, et al. **Neuroendocrinology** 1985 Jan;40(1):88–91

Effects of bombesin on body temperature and oxygen consumption in food-deprived rats. Babcock AM, et al. **Neuropharmacology** 1984 Nov;23(11):1357–8

Injections of bombesin into the substantia nigra produce hypothermia and hypophagia in food-deprived rats. Calisher SB, et al. **Neuropharmacology** 1984 Oct;23(10):1201–6

Protease inhibition increases the analgesic potency of peptide E. Westphal M, et al. **Neuropharmacology** 1985 Feb;24(2):173–5

Comparative activity of memory-modulating neuropeptides before and after electric shock in white rats. Medvedev VI, et al. **Neurosci Behav Physiol** 1985 May-Jun;15(3):240–6

Antagonism of glutamate receptor channel complexes by spider venom polypeptides. Usherwood PN, et al. **Neurotoxicology** 1985 Summer;6(2):239–49

Effect of bombesin administration on serum immunoreactive trypsin in patients with pancreatic carcinoma. Vezzadi P, et al. **Panminerva Med** 1984 Oct-Dec;26(4):279–81

Effect of bombesin on serum gastrin concentration in patients with chronic pancreatitis. Vezzadini P, et al. **Panminerva Med** 1984 Jul-Sep;26(3):181–4

Effect of nicotine on basal and bombesin stimulated canine plasma levels of gastrin, cholecystokinin and pancreatic polypeptide. Chowdhury P, et al. **Peptides (Fayetteville)** 1985 Jan-Feb;6(1):127–32

Cortisol inhibits the ACTH-releasing activity of urotensin I, CRF and sauvagine observed with superfused goldfish pituitary cells. Fryer J, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):925–30

Cholecystokinin and bombesin suppress operant responding for food reward. Babcock AM, et al. **Pharmacol Biochem Behav** 1985 May;22(5):893–5

Neurotensin and bombesin, a relationship between their effects on body temperature and locomotor activity? van Wimersma Greidanus TB, et al. **Pharmacol Biochem Behav** 1984 Aug;21(2):197–202

Influence of vagotomy in domestic fowls on feeding activity, food passage, digestibility and satiety effects of two peptides. Savory CJ, et al. **Physiol Behav** 1984 Dec;33(6):937–44

Stimulation of glycolysis and amino acid uptake in NRK-49F cells by transforming growth factor beta and epidermal growth factor. Boerner P, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1350–3

Cardiac dysfunction caused by purified human C3a anaphylatoxin. del Balzo UH, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):886–90

BSC-1 growth inhibitor transforms a mitogenic stimulus into a hypertrophic stimulus for renal proximal tubular cells: relationship to Na+/H+ antiport activity. Fine LG, et

NEWARK PUBLIC LIBRARY

al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6163–6

Stimulation of glucose uptake by transforming growth factor beta: evidence for the requirement of epidermal growth factor-receptor activation. Inman WH, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1346–9

Type beta transforming growth factor: a bifunctional regulator of cellular growth. Roberts AB, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):119–23

Type beta transforming growth factor/growth inhibitor stimulates entry of monolayer cultures of AKR-2B cells into S phase after a prolonged prereplicative interval. Shipley GD, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):4147–51

Alpha and beta human transforming growth factors stimulate prostaglandin production and bone resorption in cultured mouse calvaria. Tashjian AH Jr, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4535–8

Centrally administered bombesin stimulates intestinal motility. Fulginiti JT, et al. **Proc West Pharmacol Soc** 1984; 27:141–2

Bombesin stimulates motility of the canine isolated small intestine by a neurogenic mechanism. Hirning LD, et al. **Proc West Pharmacol Soc** 1984;27:403–5

Vaccine adjuvant effects, and immune response, to synthetic polymers MVE and poly ICLC. Chirigos MA, et al. **Prog Clin Biol Res** 1984;161:467–79

Biological characterization of MVE-2 and poly ICLC. Schlick E, et al. **Prog Clin Biol Res** 1984;161:511–24

Evidence that bombesin releases extragastric gastrin in man. Annibale B, et al. **Regul Pept** 1985 May;11(1):43–9

Distribution and vasomotor effects of peptide HI (PHI) in feline cerebral blood vessels in vitro and in situ. Edvinsson L, et al. **Regul Pept** 1985 Apr;10(4):345–56

Bombesin-induced stimulation of cardiac parasympathetic innervation. Fisher LA, et al. **Regul Pept** 1984 Jul; 8(4):335–43

ACTH-releasing activity of urotensin I and ovine CRF: interactions with arginine vasotocin, isotocin and arginine vasopressin. Fryer J, et al. **Regul Pept** 1985 May;11(1):11–5

Pituitary-adrenal mediation of bombesin-induced inhibition of gastrointestinal transit in rats. Gmerek DE, et al. **Regul Pept** 1984 Nov;9(4):299–304

Secretin, VIP, and PHI stimulate rat proximal duodenal surface epithelial bicarbonate secretion in vivo. Isenberg JI, et al. **Regul Pept** 1984 Jul;8(4):315–20

Ventricular, paraventricular and circumventricular structures involved in peptide-induced satiety. Willis GL, et al. **Regul Pept** 1984 Sep;9(1–2):87–99

Inhibition of renal membrane binding and nephrotoxicity of gentamicin by polyasparagine and polyaspartic acid in the rat. Williams PD, et al. **Res Commun Chem Pathol Pharmacol** 1985 Feb; 47(2):317–20

Effects of secretagogues on membrane potential and input resistance of pancreatic acinar cells of sheep. Katoh K, et al. **Res Vet Sci** 1985 Mar;38(2):250–1

Correlation between peptide YY-induced myoelectric activity and transit of small-intestinal contents in rats. Al-Saffar A, et al. **Scand J Gastroenterol** 1985 Jun; 20(5):577–82

Stimulation of bone resorption in vitro by synthetic transforming growth factor-alpha. Ibbotson KJ, et al. **Science** 1985 May 24;228(4702):1007–9

An improved microtiter plate method to measure the potency of plasminogen activators. Chan WP, et al. **Thromb Res** 1984 Dec 1;36(5):467–74

Gastric acid secretion, intraduodenal pH and gastroenteropancreatic hormone release to bombesin in antrocolic transposition dogs. Koizumi F, et al. **Tohoku J Exp Med** 1985 Jan;145(1):65–72

Capillary permeability-increasing enzyme from the venom of Agkistrodon caliginosus (kankoku-mamushi): activity due to the release of peptide material from a protein in bovine plasma. Ohtani Y, et al. **Toxicon** 1985;23(1):53–61

A sleep-inducing peptide from Conus geographus venom. Olivera BM, et al. **Toxicon** 1985;23(2):277–82

Intratracheal instillation of collagen peptides induces a neutrophil influx in rat lungs. Riley DJ, et al. **Trans Assoc Am Physicians** 1984;97:290–5

Polycation-cell surface interactions and plasma membrane compartments in mammals. Interference of oligocation with polycationic condensation. Antohi S, et al. **Z Naturforsch [C]** 1984 Jul–Aug;39(7–8):767–75

Effect of poly-L-lysine and neuraminidase on the infectivity of Trypanosoma cruzi in cultured HeLa cells. Gamarro F, et al. **Z Parasitenkd** 1985;71(4):429–33

[Reaction of the submandibular salivary glands to exposure to a fractionated extract of mouse submandibular salivary glands (2)] Maier VK. **Eksp Med Morfol** 1984;23(3):110–7 (Eng. Abstr.) **(Bul)**

[Reaction of the submandibular salivary glands to exposure to a fractionated extract of mouse submandibular salivary glands (1)] Maier VK. **Eksp Med Morfol** 1984;23(3):105–10 (Eng. Abstr.) **(Bul)**

[Atripeptins] Tang J. **Sheng Li Ko Hsueh Chin Chan** 1984 Jul;15(3):245–6 **(Chi)**

[The effect on oxidative metabolism in brain, liver and heart muscle homogenates of peptide derivatives and calf blood dialysates] Windisch M, et al. **Arzneimittelforsch** 1985; 35(1):87–9 (Eng. Abstr.) **(Ger)**

[Thermitase—a thermostable serine protease. IV. Kinetic studies on the binding of N-acyl peptide ketones as substrate analog inhibitors] Fittkau S, et al. **Biomed Biochim Acta** 1984;43(7):887–99 (Eng. Abstr.) **(Ger)**

[Effect of gastrin releasing peptide on exocrine pancreatic secretion and plasma levels of CCK and PP in conscious dogs] Hosotani R, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Apr;82(4):664–72 (Eng. Abstr.) **(Jpn)**

[Metabolic state of liver mitochondria and lymphocytes after T-activin administration under condition of hypothermia] Agureev AP, et al. **Biokhimiia** 1985 Apr;50(4):639–44 (Eng. Abstr.) **(Rus)**

[Inhibition of lipoprotein lipolysis by polyarginine and evaluation of the mechanism of its interaction with lipoprotein lipase] Klimov AN, et al. **Biokhimiia** 1985 May; 50(5):804–13 (Eng. Abstr.) **(Rus)**

[Effect of T-activin on thymus involution in mice] Arion VIa, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):354–6 (Eng. Abstr.) **(Rus)**

[Role of polypeptide factors of the hypothalamus and epiphysis in regulating the function of stem cell precursors of granulomonopoiesis] Filev LV, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):481–2 (Eng. Abstr.) **(Rus)**

[Morphofunctional status of the thymus in guinea pigs exposed to thymus and bone marrow preparations] Khmel'nitskii OK, et al. **Biull Eksp Biol Med** 1985 Jul; 100(7):83–6 (Eng. Abstr.) **(Rus)**

[Cell proliferation in mouse tissues after thymectomy and the administration of T-activin] Mamontov SG, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):102–4 (Eng. Abstr.) **(Rus)**

[Effect of bone marrow mediator myelopeptides on the summation-threshold index and behavioral reactions of rats] Vasilenko AM, et al. **Biull Eksp Biol Med** 1984 Dec; 98(12):696–8 (Eng. Abstr.) **(Rus)**

[Action of the blood serum adhesive factor on mammalian cell proliferation in vitro] Bueverova EI, et al. **Dokl Akad Nauk SSSR** 1985 Mar–Apr;281(1):158–60 **(Rus)**

[Effect of polypeptide factors of the thymus, pineal gland, bone marrow and anterior hypothalamus on the realization of transplacental carcinogenesis] Bespalov VG, et al. **Eksp Onkol** 1984;6(5):27–30 (Eng. Abstr.) **(Rus)**

[Effect of bombesin and its N- and C end fragments and their analogs on the secretory function of the pancreas] Fokina AA, et al. **Fiziol Zh SSSR** 1984 Jun;70(6):838–41 **(Rus)**

[Effect of blood middle-molecule peptides from healthy dogs and dogs with burns on the permeability of the hemato-encephalic barrier] Val'dman BM, et al. **Patol Fiziol Eksp Ter** 1985 Mar–Apr;(2):36–40 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Isolation from calf brain of a polypeptide fraction affecting aminoacylation of tRNA. Brzuszkiewicz-Zarnowska H, et al. **Acta Biochim Pol** 1984;31(4):397–400

A mouse tumor-derived osteolytic factor stimulates bone resorption by a mechanism involving local prostaglandins production in bone. Lau KH, et al. **Biochim Biophys Acta** 1985 May 29;840(1):56–68

Transforming growth factors—an overview. Lawrence DA. **Biol Cell** 1985;53(2):93–8 (55 ref.)

Transforming protein of simian sarcoma virus stimulates autocrine growth of SSV-transformed cells through PDGF cell-surface receptors. Huang JS, et al. **Cell** 1984 Nov;39(1):79–87

Maturation-inhibiting activity in growing mouse oocytes. Fulka J Jr. **Cell Differ** 1985 Jul;17(1):45–8

Fetal growth control: the role of insulin and related peptides. Milner RD, et al. **Clin Endocrinol (Oxf)** 1984 Oct; 21(4):415–33 (81 ref.)

Insulin-dependent production of low-molecular-weight compounds that modify key enzymes in metabolism. Stevens EV, et al. **Comp Biochem Physiol [B]** 1985; 81(1):1–8 (93 ref.)

Studies of the characteristics, distribution and physiological role of a large cardioactive peptide in Lymnaea stagnalis. Geraerts WP, et al. **Comp Biochem Physiol [C]** 1984; 78(2):339–43

Insulin-like growth factors as intraovarian regulators of granulosa cell growth and function. Adashi EY, et al. **Endocr Rev** 1985 Summer;6(3):400–20 (232 ref.)

Insulin-like growth factor 1 (IGF-1) antler-stimulating hormone? Suttie JM, et al. **Endocrinology** 1985 Feb; 116(2):846–8

Tachykinin-like central activity of neuromedin K in mice. Vaught JL, et al. **Eur J Pharmacol** 1984 Aug 17; 103(3–4):355–7

Extensions of the signal hypothesis—sequential insertion model versus amphipathic tunnel hypothesis. Rapoport TA. **FEBS Lett** 1985 Jul 22;187(1):1–10 (47 ref.)

Gut peptides and postprandial satiety. Smith GP, et al. **Fed Proc** 1984 Nov;43(14):2889–92 (37 ref.)

Specific induction of Ca2+ transport activity in MATa cells of Saccharomyces cerevisiae by a mating pheromone, alpha factor. Ohsumi Y, et al. **J Biol Chem** 1985 Sep 5; 260(19):10482–6

A peptide associated with eggs causes a mobility shift in a major plasma membrane protein of spermatozoa. Suzuki N, et al. **J Biol Chem** 1984 Dec 10;259(23):14874–9

Peptidergic systems: effects on blood vessels. Ganten D, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 4:S598–607 (40 ref.)

Modulation of type alpha transforming growth factor receptors by a phorbol ester tumor promoter. Davis R, et al. **J Cell Biochem** 1985;27(1):23–30

Limited proteolytic digestion of coated vesicle assembly polypeptides abolishes reassembly activity. Zaremba S, et al. **J Cell Biochem** 1985;28(1):47–58

Elongation arrest is not a prerequisite for secretory protein translocation across the microsomal membrane. Siegel V, et al. **J Cell Biol** 1985 Jun;100(6):1913–21

Dual regulation of glycogen metabolism by insulin and insulin-like growth factors in human hepatoma cells (HEP-G2). Analysis with an anti-receptor monoclonal antibody. Verspohl EJ, et al. **J Clin Invest** 1984 Oct; 74(4):1436–43

Involvement of rat corticotrophin-releasing factor-41-related peptide and vasopressin in adrenocorticotrophin-releasing activity from superfused rat hypothalami in vitro. Gillies G, et al. **J Endocrinol** 1984 Oct;103(1):25–9

Pharmacological basis of therapeutics: insulin-like growth factors. Brostrom MA. **J Med Soc NJ** 1984 Nov; 81(11):967–9

Antibodies to synthetic peptides defined by cDNA cloning reveal a network of peptidergic neurons in Aplysia. Kreiner T, et al. **J Neurosci** 1984 Oct;4(10):2581–9

Long-term facilitation of peptidergic transmission by catecholamines in guinea-pig inferior mesenteric ganglia. Dun NJ, et al. **J Physiol (Lond)** 1984 Dec;357:37–50

Inability of rat anaphylatoxin to induce histamine release in rats. Konno S, et al. **Jpn J Pharmacol** 1985 Jun;38(2):185–93

PHI and GRF: two new members of the glucagon/secretion family. Miller RJ. **Med Biol** 1984;62(3):159–62 (45 ref.)

Conformational alterations in the proximal portion of the yeast invertase signal peptide do not block secretion. Brown PA, et al. **MGG** 1984;197(3):351–7

Autocrine growth factors and cancer. Sporn MB, et al. **Nature** 1985 Feb 28–Mar 6;313(6005):745–7 (79 ref.)

Autocrine control of growth? [news] Stiles CD. **Nature** 1984 Oct 18–24;311(5987):604–5

Spinal peptidergic and catecholaminergic systems and nociception. Howe JR, et al. **Neurosurgery** 1984 Dec; 15(6):904–12

The A-B-C (Allocortex-Brainstem-Core) circuitry of endocrine-autonomic integration and regulation: a proposed hypothesis on the anatomical-functional relationships between estradiol sites of action and peptidergic-aminergic neuronal systems. Stumpf WE, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:221–6 (43 ref.)

Target polypeptide of a carcinogen is associated with normal mitosis and carcinogen-induced hyperplasias in adult hepatocytes. Custer RP, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6738–42

Peptide-catecholamine interaction: feeding and satiety. Myers RD. **Psychopharmacol Bull** 1985;21(3):406–11

Growth factor enhancement of the in vitro stem cell assay. Spitzer G, et al. **Recent Results Cancer Res** 1984;94:253–66

GRP neurones in the rat small intestine issue long anal projections. Ekblad E, et al. **Regul Pept** 1984 Nov; 9(4):279–87

The role of vagal integrity in gastrin releasing peptide stimulated gastroenteropancreatic hormone release and gastric acid secretion. Greenberg GR, et al. **Regul Pept** 1985 Mar;10(2–3):179–87

Physiological effects of transforming growth factor in the newborn mouse. Tam JP. **Science** 1985 Aug 16; 229(4714):673–5

Immunomodulatory peptides and the central nervous system. Hall NR, et al. **Springer Semin Immunopathol** 1985; 8(1–2):153–64 (47 ref.)

Structure and function of the anaphylatoxins. Hugli TE. **Springer Semin Immunopathol** 1984;7(2–3):193–219 (90 ref.)

Endocrine and autocrine estromedins for mammary and pituitary tumor cells. Sirbasku DA, et al. **Symp Fundam Cancer Res** 1984;37:213–32

[Effect of peptides on thermoregulation] He ZA. **Sheng Li Ko Hsueh Chin Chan** 1985 Jan;16(1):36–40 (33 ref.) **(Chi)**

[Visceral pain: recent aspects] Meunier P, et al. **Gastroenterol Clin Biol** 1985 Jun–Jul;9(6–7):495–503 (98 ref.) **(Fre)**

[Biologically active peptides: known compounds—new aspects. 2: Functions—general principles] Sander-Richter H, et al. **DTW** 1984 Nov 22;91(11–12):399–403 (53 ref.) (Eng. Abstr.) **(Ger)**

[Stress and the endogenous opioid system. II. Stress, stress models and endogenous opioid peptides] Nieber K, et al. **Z Gesamte Inn Med** 1985 Feb 1;40(3):61–5 (Eng. Abstr.) **(Ger)**

[The role of peptides of atrial origin in the regulation of water-electrolyte metabolism] Januszewicz A, et al. **Pol Tyg Lek** 1985 Feb 25;40(8):235–40 **(Pol)**

[Hormone-like tissue factors transforming cell growth] Farbiszewski R. **Postepy Biochem** 1984;30(1–2):9–12 **(Pol)**

[Participation of peptide mechanisms in physiological reactions of the cardiovascular system to hyperoxia] Filatov AV. **Fiziol Zh SSSR** 1985 Jan;71(1):120–5 (Eng. Abstr.) **(Rus)**

[Possible role of the inhibitor of fibrin self-assembly in regulating blood coagulation] Byshevskiĭ ASh, et al. **Gematol Transfuziol** 1985 Jan;30(1):35-8 (Eng. Abstr.) **(Rus)**

[Participation of peptides in processes involved in the development of alimentary motivation in the rabbit] Sudakov SK. **Zh Vyssh Nerv Deiat** 1985 May-Jun; 35(3):465-72 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Photoinduced reactions of anthraquinone antitumor agents with peptides and nucleic acid bases: an electron spin resonance and spin trapping study. Carmichael AJ, et al. **Arch Biochem Biophys** 1985 Mar;237(2):433-44

SECRETION

Hypertonic KCl, NaCl and capsaicin intracamerally causes release of substance P-like immunoreactive material into the aqueous humor in rabbits. Mandahl A, et al. **Acta Physiol Scand** 1984 Apr;120(4):579-84

Vagal regulation of GRP, gastric somatostatin, and gastrin secretion in vitro. Nishi S, et al. **Am J Physiol** 1985 Apr; 248(4 Pt 1):E425-31

Capsaicin effects on muscularis mucosa of opossum esophagus: substance P release from afferent nerves? Robotham H, et al. **Am J Physiol** 1985 Jun;248(6 Pt 1):G655-62

Disseminated bombesin-producing carcinoid tumor of pulmonary origin. Lewin KJ, et al. **Am J Surg Pathol** 1985 Feb;9(2):129-34

Pathology of peptide-producing neuroendocrine tumours. Polak JM, et al. **Br J Hosp Med** 1985 Feb;33(2):78, 80-2, 87-8

Latent beta-transforming growth factor in nontransformed and Kirsten sarcoma virus-transformed normal rat kidney cells, clone 49F. Pircher R, et al. **Cancer Res** 1984 Dec; 44(12 Pt 1):5538-43

Variables controlling the secretion of a somatomedin-like peptide by cultured porcine smooth muscle cells. Clemmons DR. **Circ Res** 1985 Mar;56(3):418-26

Synergistical effects of ovine corticotropin-releasing factor (CRF) and arginine vasopressin (AVP) on the release of pro-opiomelanocortin (POMC) related peptides by pituitary adenoma of a patient with Nelson's syndrome in vitro. Chan JS, et al. **Clin Invest Med** 1984;7(4):205-8

Treatment of patients with pancreatic endocrine tumours using a new long-acting somatostatin analogue symptomatic and peptide responses. Wood SM, et al. **Gut** 1985 May;26(5):438-44

Release of glucagon-like immunoreactive material (GLI) from the isolated perfused jejunum of normal and diabetic rats. Wójcikowski C, et al. **Horm Metab Res** 1985 Feb; 17(2):105-6

Inability of anti-epidermal growth factor receptor monoclonal antibody to block 'autocrine' growth stimulation in transforming growth factor-secreting melanoma cells. Kudlow JE, et al. **J Biol Chem** 1984 Oct 10;259(19):11895-900

Normal embryo fibroblasts release transforming growth factors in a latent form. Lawrence DA, et al. **J Cell Physiol** 1984 Oct;121(1):184-8

Increased secretion of type beta transforming growth factor accompanies viral transformation of cells. Anzano MA, et al. **Mol Cell Biol** 1985 Jan;5(1):242-7

Corelease of vasoactive intestinal polypeptide and peptide histidine isoleucine in relation to atropine-resistant vasodilation in cat submandibular salivary gland. Lundberg JM, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):37-42

Biochemistry of peptide-secreting neurons. White JD, et al. **Physiol Rev** 1985 Jul;65(3):553-606 (313 ref.)

[Multihormone-producing insulinomas] Liu TH. **Chung Hua I Hsueh Tsa Chih** 1984 Sep;64(9):541-4 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Clinical trials of copolymer I in multiple sclerosis. Bornstein MB, et al. **Ann NY Acad Sci** 1984;436:366-72

Immunotherapeutic potential in murine tumor models of polyinosinic-polycytidylic acid and poly-L-lysine solubilized by carboxymethylcellulose. Talmadge JE, et al. **Cancer Res** 1985 Mar;45(3):1066-72

Prevention by macrocortin of global cerebral ischemia in Sprague-Dawley rats. Koltai M, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):347-50

Response of mouse tumor to interferon inducer and radiation. Lvovsky EA, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1721-5

[Antipyretic effect of a polypeptide from bee venom--adolapin] Koburova K, et al. **Eksp Med Morfol** 1984;23(3):143-8 (Eng. Abstr.) **(Bul)**

[Immunohepatologic and clinical monitoring of neuramide therapy in acute viral hepatitis B] Corridori S, et al. **Boll Ist Sieroter Milan** 1985;64(1):42-51 (Eng. Abstr.) **(Ita)**

[Principles of immunocorrective therapy using the thymus preparation T-activin] Arion VIa, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):44-8 (Eng. Abstr.) **(Rus)**

[Clinical effectiveness of T-activin in the treatment of cutaneous forms of lupus erythematosus] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1985 May;(5):8-11 (Eng. Abstr.) **(Rus)**

[T-activin in the combined treatment of patients with small cell cancer of the lung] Ausekar BV, et al. **Vopr Onkol** 1985;31(4):27-32 (Eng. Abstr.) **(Rus)**

TOXICITY

Pathophysiologic effects of a toxic peptide from Microcystis aeruginosa. Adams WH, et al. **Toxicon** 1985;23(3):441-7

URINE

Peptide-containing fractions in depression. Saelid G, et al. **Biol Psychiatry** 1985 Mar;20(3):245-56

Comparison of growth factors functionally related to epidermal growth factor in the urine of normal and human tumor-bearing athymic mice. Twardzik DR, et al. **Cancer Res** 1985 May;45(5):1934-9

Purification and characterization of a low molecular weight transforming growth factor from the urine of melanoma patients. Kim MK, et al. **J Biol Chem** 1985 Aug 5; 260(16):9237-43

Prognostic value of tissue polypeptide antigen in urological neoplasia. Costello CB, et al. **J R Soc Med** 1985 Mar; 78(3):207-10

[Urinary tissue polypeptide antigen (TPA) in bladder cancer] Fujinaga T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jun;75(6):959-66 (Eng. Abstr.) **(Jpn)**

[Formation of toxic peptides in irradiated rats and their relation to blood serum proteins] Salomatin VV, et al. **Radiobiologiia** 1985 Jul-Aug;25(4):495-9 (Eng. Abstr.) **(Rus)**

PEPTIDES, CHEMOTACTIC see CHEMOTACTIC FACTORS

PEPTIDES, CYCLIC

Conformation of cyclic analogs of enkephalin. III. Effect of varying ring size. Hall D, et al. **Biopolymers** 1985 Jun; 24(6):935-45

Conformation of cyclic analogs of enkephalin. II. Analogs containing a cystine bridge. Hall D, et al. **Biopolymers** 1984 Nov;23(11 Pt 1):2325-34

Crystal structure and conformation of the cyclic tetramer of a repeat tripeptide of elastin, cyclo(L-valyl-L-prolylglycyl)4. Cook WJ, et al. **Int J Pept Protein Res** 1985 May;25(5):481-6

Cyclic melanotropins. Part VII: Modified ring structures--synthesis and biological activity. Lebl M, et al. **Int J Pept Protein Res** 1984 Nov;24(5):472-9

Conformational analysis of cyclized dipeptide models for specific types of beta-bends by two-dimensional nuclear Overhauser spectroscopy. Stimson ER, et al. **Int J Pept Protein Res** 1985 Jan;25(1):89-98

ANALYSIS

Fast atom bombardment mass spectrometry of bouvardin and selected analogs. Slowikowski DL, et al. **Biomed Mass Spectrom** 1985 Feb;12(2):72-8

Thyrotropin releasing hormone but not histidyl-proline diketopiperazine is depleted from rat spinal cord following 5,7-dihydroxytryptamine treatment. Lechan RM, et al. **Brain Res** 1985 Feb 4;326(1):152-5

Studies on antitumour cyclic hexapeptides RA obtained from Rubiae radix, Rubiaceae (IV): Quantitative determination of RA-VII and RA-V in commercial Rubiae radix and collected plants. Itokawa H, et al. **Planta Med** 1984 Aug; 50(4):313-6

BIOSYNTHESIS

[Effect of phosphate and inhibitors of protein synthesis on the growth and tentoxin production of Alternaria alternata (Fr.) Keissler] Edel B, et al. **J Basic Microbiol** 1985; 25(3):155-60 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Conformationally restricted cyclic analogues of substance P: insight into the receptor binding process. Darman PS, et al. **Biochem Biophys Res Commun** 1985 Mar 15; 127(2):656-62

A novel cyclic opioid peptide analog showing high preference for mu-receptors. Schiller PW, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):558-64

Cell growth-inhibitory effects of derivatives of antitumor cyclic hexapeptide RA-V obtained from Rubiae radix (V). Itokawa H, et al. **Gann** 1984 Oct;75(10):929-36

Cyclic peptides. XIX. Synthesis, conformation, and biological activity of cyclo(-Pro-Val-Pro-Val-) with L-L-L-L and L-D-L-D sequences. Ueda T, et al. **Int J Pept Protein Res** 1985 May;25(5):475-80

Cyclic melanotropins. 9. 7-D-Phenylalanine analogues of the active-site sequence. Cody WL, et al. **J Med Chem** 1985 May;28(5):583-8

DIAGNOSTIC USE

Two types of somatostatin receptors differentiated by cyclic somatostatin analogs. Tran VT, et al. **Science** 1985 Apr 26;228(4698):492-5

GENETICS

Transcription regulation of silk genes. Suzuki Y, et al. **Cell Struct Funct** 1984 Jul;9 Suppl:s1-4

ISOLATION & PURIFICATION

[Separation of the virotoxins of the mushroom Amanita virosa and comparative study of their interaction on actin in vitro] Turcotte A, et al. **Can J Biochem Cell Biol** 1984 Dec;62(12):1327-34 (Eng. Abstr.) **(Fre)**

METABOLISM

Distribution and characterization of cyclo (His-Pro)-like immunoreactivity in the human gastrointestinal tract. Diamanti Kandarakis E, et al. **Neuropeptides** 1985 Mar; 6(1):21-5

Alteration by liquid protein diet of TRH and cyclo(His-Pro) in the young rat brain. Mori M, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jan; 47(1):157-60

Endogenous histidyl-proline diketopiperazine [cyclo (His-Pro)]: a potential satiety neuropeptide in normal and genetically obese rodents. Wilber JF, et al. **Trans Assoc Am Physicians** 1983;96:131-6

PHARMACODYNAMICS

Inhibition of deoxyhemoglobin S polymerization by biaromatic peptides found to associate with the hemoglobin molecule at a preferred site. Votano JR, et al. **Biochemistry** 1985 Apr 9;24(8):1966-70

Effects of TRH, cyclo-(His-Pro) and (3-Me-His2)TRH on identified septohippocampal neurons in the rat. Lamour Y, et al. **Brain Res** 1985 Apr 8;331(2):343-7

The antinociceptive effects of histidyl-proline diketopiperazine and thyrotropin-releasing hormone in the mouse. Kawamura S, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):287-94

Reciprocal biological activities of the cyclic tetrapeptides chlamydocin and HC-toxin. Walton JD, et al. **Experientia** 1985 Mar 15;41(3):348-50

Unresponsiveness of GH cells to cyclo(histidyl-proline), a metabolite of thyrotropin releasing hormone. Battaini F, et al. **Life Sci** 1984 Dec 17;35(25):2519-27

Downregulation of adrenocortical cyclo (His-Pro)-binding sites by cyclo (His-Pro) administration to neonatal but not adult rats. Prasad C, et al. **Neurosci Lett** 1984 Aug 24; 49(1-2):165-9

Intraventricular administration of cyclo(His-Pro), a metabolite of thyrotropin-releasing hormone (TRH), decreases water intake in the rat. Ishihara H, et al. **Proc Soc Exp Biol Med** 1985 Apr;178(4):623-8

Histidyl-proline diketopiperazine [cyclo(His-Pro)]: a new neuropeptide modulator of insulin and glucagon secretion. Wilber JF, et al. **Trans Assoc Am Physicians** 1984;97:88-94

Inhibition of macromolecular synthesis in P388 mouse leukemia ascites cells by bouvardin (NSC 259968). Chitnis M, et al. **Tumori** 1985 Jun 30;71(3):261-6

PHYSIOLOGY

Ontogeny of thyrotropin-releasing hormone and histidyl proline diketopiperazine in the rat central nervous system and pancreas. Lamberton RP, et al. **Endocrinology** 1984 Dec;115(6):2400-5

THERAPEUTIC USE

[Limitation of disorders of the contractile function of the nonischemic areas of the myocardium during infarct by using the delta-sleep peptide and its cyclic derivative] Meerson FZ, et al. **Kardiologiia** 1985 May;25(5):84-8 (Eng. Abstr.) **(Rus)**

TOXICITY

Similarity of chloropeptide to phalloidin in toxicity to isolated hepatocytes. Ueno Y, et al. **J Toxicol Sci** 1984 May;9(2):117-30

PEPTIDOGLYCAN

Conformational and topological aspects of the three-dimensional architecture of bacterial peptidoglycan. Labischinski H, et al. **Ann Inst Pasteur Microbiol** 1985 Jan-Feb;136A(1):45-50

Trypanosoma cruzi: aminoacid and phosphorus linkages in the lipopeptidophosphoglycan. de Lederkremer RM, et al. **Biochem Int** 1985 Jan;10(1):89-96

A new proposal for the primary and secondary structure of the glycan moiety of pseudomurein. Conformational energy calculations on the glycan strands with talosaminuronic acid in 1C conformation and comparison with murein. Leps B, et al. **Eur J Biochem** 1984 Oct 15; 144(2):279-86

The stabilization of vancomycin by peptidoglycan analogs. Harris CM, et al. **J Antibiot (Tokyo)** 1985 Jan;38(1):51-7

Sensitivity of Coxiella burnetii peptidoglycan to lysozyme hydrolysis and correlation of sacculus rigidity with peptidoglycan-associated proteins. Amano K, et al. **J Bacteriol** 1984 Dec;160(3):989-93

Structure of the linkage units between ribitol teichoic acids and peptidoglycan. Kojima N, et al. **J Bacteriol** 1985 Jan; 161(1):299-306

Structural modifications in the peptidoglycan of Escherichia coli associated with changes in the state of growth of the culture. Pisabarro AG, et al. **J Bacteriol** 1985 Jan;

NEWARK PUBLIC LIBRARY

161(1):238-42

A common linkage saccharide unit between teichoic acids and peptidoglycan in cell walls of Bacillus coagulans. Kojima N, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1085-92

ANALYSIS

The cell wall of the obligate intracellular bacterial parasite of small free-living amoebae. I. Morphology and chemical composition of the rigid layer and peptidoglycan. Drożański W, et al. **Acta Microbiol Pol** 1984; 33(3-4):195-206

Nonsupervised numerical component extraction from pyrolysis mass spectra of complex mixtures. Windig W, et al. **Anal Chem** 1984 Nov;56(13):2297-303

Immunoelectron microscopic studies on the localization of peptidoglycan peptide subunit pentapeptides in bacterial cell walls. Seidl PH, et al. **Arch Microbiol** 1985 Jul; 142(2):121-7

Interaction of Escherichia coli matrix protein with Brucella abortus peptidoglycan and chitin. Moryión I, et al. **Dev Biol Stand** 1984;56:227-34

Structural studies on the oligosaccharide moiety of the lipopeptidophosphoglycan from Trypanosoma cruzi. de Lederkremer RM, et al. **Eur J Biochem** 1985 Sep 16; 151(3):539-42

Structural studies on the linkage unit between poly(galactosylglycerol phosphate) and peptidoglycan in cell walls of Bacillus coagulans. Kaya S, et al. **Eur J Biochem** 1985 Feb 15;147(1):41-6

Characterization of a novel linkage unit between ribitol teichoic acid and peptidoglycan in Listeria monocytogenes cell walls. Kaya S, et al. **Eur J Biochem** 1985 Feb 1; 146(3):517-22

Structural studies on the linkage unit between poly(N-acetylglucosamine 1-phosphate) and peptidoglycan in cell walls of Bacillus pumilus AHU 1650. Kojima N, et al. **Eur J Biochem** 1985 Jun 3;149(2):331-6

Analysis of Neisseria gonorrhoeae peptidoglycan by reverse-phase, high-pressure liquid chromatography. Dougherty TJ. **J Bacteriol** 1985 Jul;163(1):69-74

Peptidoglycan cross-linking and teichoic acid attachment in Streptococcus pneumoniae. Fischer H, et al. **J Bacteriol** 1985 Jul;163(1):46-54

Structural modifications in the peptidoglycan of Escherichia coli associated with changes in the state of growth of the culture. Pisabarro AG, et al. **J Bacteriol** 1985 Jan; 161(1):238-42

Demonstration of differences between strains of Staphylococcus aureus by peptidoglycan fingerprinting. Barzilai A, et al. **J Infect Dis** 1984 Oct;150(4):583-8

BIOSYNTHESIS

The induction of enhanced glucosamine incorporation into the cell-envelope of Escherichia coli K-12 by the antibiotic tetaine. Chmara H, et al. **Acta Microbiol Pol** 1984; 33(2):95-102

Involvement of a change in penicillin target and peptidoglycan structure in low-level resistance to beta-lactam antibiotics in Neisseria gonorrhoeae. Dougherty TJ. **Antimicrob Agents Chemother** 1985 Jul; 28(1):90-5

In vitro synthesis of peptidoglycan by spheroplasts of Proteus mirabilis grown in the presence of penicillin. Martin HH. **Arch Microbiol** 1984 Nov;139(4):371-5

Inhibition of peptidoglycan synthesis of Streptococcus faecium ATCC 9790 and Streptococcus mutans BHT by the antibacterial agent dodecyl glycerol. Ved HS, et al. **Biosci Rep** 1984 Aug;4(8):659-64

Properties of cell wall peptidoglycan synthesized by amino acid deprived re1A mutants of Escherichia coli. Vanderwel D, et al. **Can J Microbiol** 1984 Oct;30(10):1239-46

Penicillin-sensitive enzymes in peptidoglycan biosynthesis. Frère JM, et al. **CRC Crit Rev Microbiol** 1985;11(4):299-396 (312 ref.)

Synthesis of peptidoglycan and teichoic acid in Bacillus subtilis: role of the electrochemical proton gradient. Harrington CR, et al. **J Bacteriol** 1984 Sep;159(3):925-33

UDP-N-acetylmuramylpentapeptide as acceptor in murein biosynthesis in Escherichia coli membranes and ether-permeabilized cells. Kraus W, et al. **J Bacteriol** 1985 Jun;162(3):1000-4

Effect of growth conditions on peptidoglycan content and cytoplasmic steps of its biosynthesis in Escherichia coli. Mengin-Lecreulx D, et al. **J Bacteriol** 1985 Jul; 163(1):208-12

Penicillin-insensitive incorporation of D-amino acids into cell wall peptidoglycan influences the amount of bound lipoprotein in Escherichia coli. Tsuruoka T, et al. **J Bacteriol** 1984 Dec;160(3):889-94

Functional biosynthesis of cell wall peptidoglycan by polymorphic bifunctional polypeptides. Penicillin-binding protein 1Bs of Escherichia coli with activities of transglycosylase and transpeptidase. Nakagawa J, et al. **J Biol Chem** 1984 Nov 25;259(22):13937-46

Biosynthesis of peptidoglycan: points of attack by wall inhibitors. Ward JB. **Pharmacol Ther** 1984;25(3):327-69

Penicillin binding proteins: role in initiation of murein synthesis in Escherichia coli. de la Rosa EJ, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5632-5

IMMUNOLOGY

Antibodies to Staphylococcus aureus peptidoglycan and lipoteichoic acid in sera from blood donors and patients with staphylococcal infections. Wergeland H, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Oct; 92(5):265-9

Antibodies to peptidoglycan in spondylarthritis? [letter] Evans HB, et al. **Ann Rheum Dis** 1985 Apr;44(4):285-6

Antibodies to peptidoglycan in patients with spondylarthritis: a clue to disease aetiology? Park H, et al. **Ann Rheum Dis** 1984 Oct;43(5):725-8

Protective properties of peptidoglycan associated protein of Shigella flexneri. Mulczyk M, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(5):631-5

Staphylococcus aureus peptidoglycan induces histamine release from basophil human leukocytes in vitro. Espersen F, et al. **Infect Immun** 1984 Dec;46(3):710-4

Quantitative determination of human IgG antibodies to the peptide subunit determinant of peptidoglycan by an enzyme-linked immunosorbent assay. Franken N, et al. **Mol Immunol** 1985 May;22(5):573-9

Serological assays against Staphylococcus aureus peptidoglycan, crude staphylococcal antigen and staphylolysin in the diagnosis of serious S. aureus infections. Christensson B, et al. **Scand J Infect Dis** 1985;17(1):47-53

[Reactivity to bacterial peptidoglycans in a phagocytosis system. 1. The range of immunological specificity of Staphylococcus aureus peptidoglycan] Maianskiĭ AN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jul;(7):97-100 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The purification of the peptidoglycan associated protein of Shigella sonnei phase I by chromatofocusing. Adamus G, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(4):489-92

Isolation and characterization of the peptidoglycans from selected gram-positive and gram-negative periodontal pathogens. Barnard MR, et al. **Can J Microbiol** 1985 Feb; 31(2):154-60

Biochemical and immunological properties of Coxiella burnetii cell wall and peptidoglycan-protein complex fractions. Amano K, et al. **J Bacteriol** 1984 Dec; 160(3):982-8

Generation of purpura-producing principle from pneumococcal cell walls. Chetty C, et al. **J Bacteriol** 1985 Jul;163(1):389-91

The phosphate diester linkage of the peptidoglycan polysaccharide moieties of Micrococcus lysodeikticus cell wall. Nasir-ud-Din, et al. **J Biol Chem** 1985 Aug 25; 260(18):9981-7

METABOLISM

Murein hydrolases of Caulobacter crescentus. Markiewicz Z. **Acta Microbiol Pol** 1985;34(2):121-9

Murein hydrolase (N-acetyl-muramyl-L-alanine amidase) in human serum. Mollner S, et al. **Arch Microbiol** 1984 Dec; 140(2-3):171-7

Neither an enhancement of autolytic wall degradation nor an inhibition of the incorporation of cell wall material are pre-requisites for penicillin-induced bacteriolysis in staphylococci. Reinicke B, et al. **Arch Microbiol** 1985 May; 141(4):309-14

Influence of protein synthesis inhibitors on regulation of extent of O-acetylation of gonococcal peptidoglycan. Rosenthal RS, et al. **Infect Immun** 1985 Jul;49(1):7-13

Processing of Bacillus subtilis peptidoglycan by a mouse macrophage cell line. Vermeulen MW, et al. **Infect Immun** 1984 Nov;46(2):476-83

Enzymatic lysis of the pseudomurein-containing methanogen Methanobacterium formicicum. Bush JW. **J Bacteriol** 1985 Jul;163(1):27-36

Release of cell wall peptides into culture medium by exponentially growing Escherichia coli. Goodell EW, et al. **J Bacteriol** 1985 Apr;162(1):391-7

Recycling of murein by Escherichia coli. Goodell EW. **J Bacteriol** 1985 Jul;163(1):305-10

Correlation between degradation and ultrastructure of peptidoglycan during autolysis of Escherichia coli. Leduc M, et al. **J Bacteriol** 1985 Feb;161(2):627-35

The mechanism of soluble peptidoglycan hydrolysis by an autolytic muramidase. A processive exodisaccharidase. Barrett JF, et al. **J Biol Chem** 1984 Oct 10;259(19):11818-27

Turnover of the cell wall peptidoglycan during growth of Neisseria gonorrhoeae and Escherichia coli. Relative stability of newly synthesized material. Greenway DL, et al. **J Gen Microbiol** 1985 Feb;131 (Pt 2):253-63

Inhibition of cortex hydrolysis during spore germination by CdCl2. Nakatani Y, et al. **Microbiol Immunol** 1985; 29(2):119-26

Bacterial wall peptidoglycan, DD-peptidases and beta-lactam antibiotics. Ghuysen JM, et al. **Scand J Infect Dis [Suppl]** 1984;42:17-37

Degradation of Citrobacter O-Serogroup Ci23Vi+ murein with Vi phages. Jastrzemski KB, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Oct; 258(1):32-7

PHARMACODYNAMICS

Bacteria-induced histamine release. Examination of the bacterial cell wall components peptidoglycan, teichoic acid and protein A. Norn S, et al. **Agents Actions** 1985 Apr; 16(3-4):273-6

Peptidoglycan from the potentially pathogenic oral bacterium Actinomyces viscosus is a B-cell mitogen. Baker JJ. **Arch Oral Biol** 1985;30(3):291-4

Effects of peptidoglycans from periodontal pathogens on selected biological activities of CD-1 murine peritoneal macrophages. Barnard M, et al. **Can J Microbiol** 1985 Feb; 31(2):161-72

The role of DNA synthesis in peptidoglycan-induced generation of immunoglobulin-secreting cells in mice and humans. Dziarski R. **Immunol Lett** 1985;9(2-3):161-5

Soluble non-cross-linked peptidoglycan polymers stimulate monocyte-macrophage inflammatory functions. Gold MR, et al. **Infect Immun** 1985 Sep;49(3):731-41

Peptidoglycans as promoters of slow-wave sleep. II. Somnogenic and pyrogenic activities of some naturally occurring muramyl peptides; correlations with mass spectrometric structure determination. Krueger JM, et al. **J Biol Chem** 1984 Oct 25;259(20):12659-62

Human mononuclear cells exposed to staphylococci rapidly produce an inhibitor of neutrophil chemotaxis. Donabedian H. **J Infect Dis** 1985 Jul;152(1):24-32

PHYSIOLOGY

Elongation of the murein sacculus of Escherichia coli. Park JT, et al. **Ann Inst Pasteur Microbiol** 1985 Jan-Feb; 136A(1):51-8

THERAPEUTIC USE

A new morphologically characterized cell wall preparation (whole peptidoglycan) from Bifidobacterium infantis with a higher efficacy on the regression of an established tumor in mice. Sekine K, et al. **Cancer Res** 1985 Mar;45(3):1300-7

URINE

Peptidoglycans as promoters of slow-wave sleep. I. Structure of the sleep-promoting factor isolated from human urine. Martin SA, et al. **J Biol Chem** 1984 Oct 25;259(20):12652-8

PEPTIDYL TRANSFERASES see under **ACYLTRANSFERASES**

PEPTOCOCCACEAE

ENZYMOLOGY

Isolation and properties of beta-glucosidase from Ruminococcus albus. Ohmiya K, et al. **J Bacteriol** 1985 Jan;161(1):432-4

PEPTOCOCCUS

Peptococcus magnus endocarditis. Cofsky RD, et al. **South Med J** 1985 Mar;78(3):361-2

ISOLATION & PURIFICATION

Purulent pericarditis and mediastinitis due to Peptococcus magnus. Phelps R, et al. **JAMA** 1985 Aug 16;254(7):947-8

METABOLISM

Surface receptors for human serum albumin in Peptococcus magnus strains. Myhre EB. **J Med Microbiol** 1984 Oct; 18(2):189-95

PEPTONES

PHARMACODYNAMICS

Controlled evaluation of supplemented peptone and Bactec blood culture broths for the detection of bacteremia and fungemia. Reimer LG, et al. **J Clin Microbiol** 1985 Apr; 21(4):531-4

[The effect of peptic blood peptone (2. AB-GDR) on the intake of 3H-thymidine into endothelial cells] Pilgrim H. **Pharmazie** 1984 Aug;39(8):582-3 **(Ger)**

PEPTOSTREPTOCOCCUS

[A case of septic pulmonary emboli due to Peptostreptococcus associated with liver abscess] Takamatsu K, et al. **Kansenshogaku Zasshi** 1984 Apr; 58(4):340-6 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

A kinetic study of the oxidative deamination of L-glutamate by Peptostreptococcus asaccharolyticus glutamate dehydrogenase using a variety of coenzymes. Hornby DP, et al. **Eur J Biochem** 1984 Sep 17;143(3):557-60

Purification and characterization of hyaluronidase from oral Peptostreptococcus species. Tam YC, et al. **Infect Immun** 1985 Feb;47(2):508-13

Characterization of Peptostreptococcus asaccharolyticus glutamate dehydrogenase purified by dye-ligand chromatography. Hornby DP, et al. **J Gen Microbiol** 1984 Sep;130 (Pt 9):2385-94

IMMUNOLOGY

Experimental otitis media in guinea pigs. Serum antibody response to Bacteroides fragilis, Propionibacterium acnes and Peptostreptococcus anaerobius upon challenge. Thore M. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:143–6

Induction in rats of serum agglutinins to Eubacterium, Peptostreptococcus and Coprococcus species by the faecal flora from patients with Crohn's disease and healthy subjects. Hazenberg MP, et al. **J Hyg (Lond)** 1984 Oct; 93(2):345–8

ISOLATION & PURIFICATION

[Vertebral osteomyelitis caused by anaerobes. A new case] Posada de la Paz M, et al. **Rev Clin Esp** 1984 Nov 15–30; 175(3–4):169–72 **(Spa)**

METABOLISM

A sodium ion gradient as energy source for Peptostreptococcus asaccharolyticus. Wohlfarth G, et al. **Arch Microbiol** 1985 Jul;142(2):128–35

Change in the volatile fatty acids content of laboratory stored sterilized and non-sterilized swine wastes. Rainville N, et al. **Microbios** 1985;42(169–170):175–82

PERACETIC ACID see under **ACETIC ACIDS**

PERAZINE see under **PHENOTHIAZINE TRANQUILIZERS**

PERCEPTION

see related
SENSATION

The Stroop effect on Slovak-Hungarian bilinguists. Sebová E, et al. **Act Nerv Super (Praha)** 1985 Jun;27(2):99–102

Perception and knowledge. Rock I. **Acta Psychol (Amst)** 1985 May;59(1):3–22

The direct hypnotic suggestion of altered mind/body perception. Nash MR, et al. **Am J Clin Hypn** 1984 Oct; 27(2):95–102

Mothers' perceptions of problems of feeding and crying behaviors. A prospective study. Forsyth BW, et al. **Am J Dis Child** 1985 Mar;139(3):269–72

Near-death experiences in a pediatric population. A preliminary report. Morse M, et al. **Am J Dis Child** 1985 Jun;139(6):595–600

The role of metaphor in our perception of language. Verbrugge RR. **Ann NY Acad Sci** 1984;433:167–83

Perception, action, and cognition in early infancy. Meltzoff AN. **Ann Pediatr (Paris)** 1985 Jan;32(1):63–77

Prevention by specific perceptual remediation for vulnerable first-graders. Controlled study and follow-up of lasting effects. Arnold LE, et al. **Arch Gen Psychiatry** 1977 Nov; 34(11):1279–94

Visceral perception versus visceral detection: disentangling methods and assumptions. Pennebaker JW, et al. **Biofeedback Self Regul** 1984 Sep;9(3):339–52

Perceptual learning with right unilateral versus bilateral electroconvulsive therapy. Daniel WF, et al. **Br J Psychiatry** 1984 Oct;145:394–400

Coenesthesis. Schiller F. **Bull Hist Med** 1984 Winter; 58(4):496–515

The perception of exertion. Gamberale F. **Ergonomics** 1985 Jan;28(1):299–308

Relationship between perceived workload and manpower in general practice. Driver B, et al. **Fam Pract** 1984 Dec; 1(4):216–8

Age and the perception of age and attractiveness. Wernick M, et al. **Gerontologist** 1984 Aug;24(4):408–14

Photoperiod perception in the blind mole rat (Spalax ehrenbergi, Nehring): involvement of the Harderian gland, atrophied eyes, and melatonin. Pevet P, et al. **J Exp Zool** 1984 Oct;232(1):41–50

Effects of age and respiratory efforts on the perception of resistive ventilatory loads. Altose MD, et al. **J Gerontol** 1985 Mar;40(2):147–53

Dimension reduction projection and our perception of evolution. Campbell RB. **J Math Biol** 1985;21(3):299–306

Mothers' postpartum perceptions of spousal relationships. Ellis DJ, et al. **J Obstet Gynecol Neonatal Nurs** 1985 Mar–Apr;14(2):140–6

A method for studying cutaneous pain perception and analgesia in horses. Kamerling SG, et al. **J Pharmacol Methods** 1985 Jun;13(3):267–74

Stimulus augmenting and field dependence in children of alcoholic fathers. Hennecke L. **J Stud Alcohol** 1984 Nov; 45(6):486–92

Deaf children's perception of internal body parts. Gibbons CL. **Matern Child Nurs J** 1985 Spring;14(1):37–46

Perceptions of young children with handicaps: a comparison of mothers and program staff. Beckman PJ. **Ment Retard** 1984 Aug;22(4):176–81

Development of the Infant Tenderness Scale. Blank DM. **Nurs Res** 1985 Jul–Aug;34(4):211–6

Perception: a model comprising two modes of consciousness. Addendum II: Emotion incorporated. Aurell CG. **Percept Mot Skills** 1984 Aug;59(1):180–2

Anxiety, perception, and control of heart rate. De Pascalis V, et al. **Percept Mot Skills** 1984 Aug;59(1):203–11

Blood, sweat, and tears: individual differences in autonomic self-perception. Katkin ES. **Psychophysiology** 1985 Mar; 22(2):125–37

Assimilation and contrast in perceptual judgments. McKenna FP. **Q J Exp Psychol [A]** 1984 Aug;36(3):531–48

[Effect of hypnosuggestion on the reception and processing of sensory information] Cerný M. **Cesk Psychiatr** 1984 Aug; 80(4):274–8 (Eng. Abstr.) **(Cze)**

[Headache and perception] Plassmann R. **Z Psychosom Med Psychoanal** 1985;31(1):1–13 (Eng. Abstr.) **(Ger)**

[Emotional and meaningful regulation of perception in psychopathic personalities of the excitable and hysterical type] Kudriavtsev IA, et al. **Zh Nevropatol Psikhiatr** 1984; 84(12):1815–22 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

A neural network model of multistable perception. Kawamoto AH, et al. **Acta Psychol (Amst)** 1985 May; 59(1):35–65

Physiological and perceptual responses to cyclic heat stress variations. Mairiaux PH, et al. **Aviat Space Environ Med** 1984 Oct;55(10):935–40

Subjective effects of combined-axis vibration: II. Comparison of X-axis and X-plus-pitch vibrations. Shoenberger RW. **Aviat Space Environ Med** 1985 Jun;56(6):559–63

Differential ratings of perceived exertion and various physiological responses during prolonged upper and lower body exercise. Pandolf KB, et al. **Eur J Applied Physiol** 1984;53(1):5–11

Comments on time in action and perception. Granit R. **Hum Neurobiol** 1985;4(2):61–2

Probe evoked potentials: theory, method and applications. Papanicolaou AC, et al. **Int J Neurosci** 1984 Oct; 24(2):107–31

Psychogenic factors and exercise metabolism: a review. Morgan WP. **Med Sci Sports Exerc** 1985 Jun;17(3):309–16 (29 ref.)

Perception of pulpal pain as a function of intradental nerve activity. Ahlquist ML, et al. **Pain** 1984 Aug;19(4):353–66

The spatial distribution, intensity and unpleasantness of acute dental pain. Sharav Y, et al. **Pain** 1984 Dec;20(4):363–70

Optimum perception of odor intensity by humans. Laing DG. **Physiol Behav** 1985 Apr;34(4):569–74

Aversion/attraction of blue jays to microwave irradiation. Wasserman FE, et al. **Physiol Behav** 1984 Nov;33(5):805–7

Detection theory analysis of group data: estimating sensitivity from average hit and false-alarm rates. Macmillan NA, et al. **Psychol Bull** 1985 Jul;98(1):185–99

Ecological constraints on internal representation: resonant kinematics of perceiving, imagining, thinking, and dreaming. Shepard RN. **Psychol Rev** 1984 Oct;91(4):417–47

Sensory and perceptual behavioral markers of schizophrenia. Kietzman ML. **Psychopharmacol Bull** 1985;21(3):518–22

[Methods of studying the motor and perceptual development of children] Ibsen KK, et al. **Ugeskr Laeger** 1985 Feb 11; 147(7):591–6 (Eng. Abstr.) **(Dan)**

[Art and perception; a psychological-physiological study] Henkemans J. **Ned Tijdschr Geneeskd** 1984 Dec 22; 128(51):2393–6 (Eng. Abstr.) **(Dut)**

[Selective stabilization of neuronal representations by resonance between spontaneous prerepresentations of the cerebral network and percepts evoked by interaction with the outside world] Heidmann A, et al. **C R Acad Sci [III]** 1984;299(20):839–44 (Eng. Abstr.) **(Fre)**

[Changes in the perception and recall of emotiogenic information in neuroses] Leutin VP, et al. **Fiziol Cheloveka** 1984 Mar–Apr;10(2):326–8 **(Rus)**

[Psychophysiological nature of the 'aircraft perception'] Vorona AV, et al. **Kosm Biol Aviakosm Med** 1984 Sep–Oct; 18(5):14–8 (Eng. Abstr.) **(Rus)**

PERCEPTION, SOCIAL see **SOCIAL PERCEPTION**

PERCEPTUAL CLOSURE

Aging and similarity grouping in visual search. Gilmore GC, et al. **J Gerontol** 1985 Sep;40(5):586–92

PERCEPTUAL COMPLETION PHENOMENA see **PERCEPTUAL CLOSURE**

PERCEPTUAL DEFENSE

Depression: a breakdown of perceptual defence? Powell M, et al. **Br J Psychiatry** 1984 Oct;145:358–62

[Study of perceptual defense and aggression in left and right temporal lobe epilepsy] Ledesma-Jimeno A, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Jul–Aug;12(4):279–86 (Eng. Abstr.) **(Spa)**

PERCEPTUAL DISORDERS

Blindness and spatial disorientation do not qualify for mobility allowance. Brahams D. **Lancet** 1985 Jul 20; 2(8447):146

CHEMICALLY INDUCED

Transitory spatial disorder with propranolol [letter] Belin C, et al. **N Engl J Med** 1985 Mar 21;312(12):790–1

[Various rarely encountered adverse effects and complications of psychopharmacotherapy] Niss AI, et al. **Zh Nevropatol Psikhiatr** 1985;85(5):755–60 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Spatial-relationship deficits in deaf children: the effect on communication and classroom performance. Ratner VL. **Am Ann Deaf** 1985 Jul;130(3):250–4

Transient sensory, cognitive and affective phenomena in affective illness. A comparison with complex partial epilepsy. Silberman EK, et al. **Br J Psychiatry** 1985 Jan; 146:81–9

Acoustic reflex abnormalities in behaviorally disturbed and language delayed children. Thomas WG, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):811–7

[Recognition of emotional states by epileptics from voices] Tarkhan AU, et al. **Zh Nevropatol Psikhiatr** 1985; 85(6):840–6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Perceptual, motor and attentional deficits in seven-year-old children. Electroencephalographic aspects. Gillberg C, et al. **Acta Paedopsychiatr (Basel)** 1984 Nov;50(5):243–53

Performance of female adults on the Southern California Visual Figure-Ground Perception Test. Petersen P, et al. **Am J Occup Ther** 1985 Aug;39(8):525–30

Effects of mild hearing loss on auditory processing. Downs MP. **Otolaryngol Clin North Am** 1985 May;18(2):337–44

Central auditory processing disorders in children. Page JM. **Otolaryngol Clin North Am** 1985 May;18(2):323–35

Central auditory function in young stutterers. Blood GW, et al. **Percept Mot Skills** 1984 Dec;59(3):699–705

[Diagnosis of disorders of spatial orientation in children] Meerwaldt JD, et al. **Ned Tijdschr Geneeskd** 1984 Oct 6; 128(40):1897–900 (Eng. Abstr.) **(Dut)**

[Value of the stereoscopic tests in the detection of sensorimotor anomalies in children] Casu L, et al. **J Fr Ophtalmol** 1984;7(12):819–22 (Eng. Abstr.) **(Fre)**

[Orthophonic evaluation of children with Landau-Kleffner syndrome] Mousset MR. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(4):351–2 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Object reversals after parietal lobe infarction––a case report. Feinberg T, et al. **Cortex** 1985 Jun;21(2):261–71

Auditory agnosia––a case report] Chan JL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Jul;83(7):718–23

Impaired vibratory perception as a criterion of diabetic neuropathies. Numasa S, et al. **Tohoku J Exp Med** 1983 Dec;141 Suppl:435–8

[Pulfrich phenomenon] Lanthony P. **J Fr Ophtalmol** 1984; 7(8–9):575–87 (Eng. Abstr.) **(Fre)**

NURSING

Perceptual dysfunction: nursing assessment and management. Wyness MA. **J Neurosurg Nurs** 1985 Apr;17(2):105–10

PHYSIOPATHOLOGY

Two visual systems in mental imagery: dissociation of 'what' and 'where' in imagery disorders due to bilateral posterior cerebral lesions. Levine DN, et al. **Neurology** 1985 Jul; 35(7):1010–8

Auditory extinction following hemisphere damage. De Renzi E, et al. **Neuropsychologia** 1984;22(6):733–44

[Auditory cognition and cerebral dominance] **Rev Med Suisse Romande** 1984 Jul;104(7):529–33 **(Fre)**

PSYCHOLOGY

Combat-related flashbacks in posttraumatic stress disorder: phenomenology and similarity to panic attacks. Mellman TA, et al. **J Clin Psychiatry** 1985 Sep;46(9):379–82

Psychological evaluation of the child with a suspected central auditory dysfunction. Lee WG. **Otolaryngol Clin North Am** 1985 May;18(2):353–61

REHABILITATION

Computerized video tasks as training techniques for driving-related perceptual deficits of persons with brain damage: a pilot evaluation. Sivak M, et al. **Int J Rehabil Res** 1984;7(4):389–98

Educational evaluation. The first step toward understanding and remediation of central auditory disorders. Knapp RM. **Otolaryngol Clin North Am** 1985 May;18(2):345–52

THERAPY

Microcomputer mediated visual developmental and perceptual therapy. Maino DM. **J Am Optom Assoc** 1985 Jan;56(1):45–8

PERCEPTUAL DISTORTION

see related
PERCEPTUAL DISORDERS

The effects of decreasing the radius of curvature of convex external rear view mirrors upon drivers' judgements of vehicles approaching in the rearward visual field. Fisher JA, et al. **Ergonomics** 1984 Dec;27(12):1209–24

Interaural octave phase-shift detection and aural harmonic distortion. Ayres TJ, et al. **J Acoust Soc Am** 1984 Aug; 76(2):414–8

Chimpanzee (Pan troglodytes) spatial problem solving with the use of mirrors and televised equivalents of mirrors.

Menzel EW Jr, et al. **J Comp Psychol** 1985 Jun;99(2):211-7

The effect of familial sinistrality on perceptual learning. Melamed LE, et al. **Neuropsychologia** 1984;22(4):495-502

Lateralized brain processing of faces and facial expressions: level of blurring and specificity. Bruyer R. **Percept Mot Skills** 1984 Oct;59(2):545-6

Residual effect of delayed auditory feedback on normal speaking rate and fluency. Ham R, et al. **Percept Mot Skills** 1984 Aug;59(1):61-2

Prism Adaptation in hypnotically limb-anesthetized subjects: more disconfirming data. Spanos NP, et al. **Percept Mot Skills** 1984 Oct;59(2):379-86

PHYSIOLOGY

Acoustic emissions from the ear: a summary of results from humans and animals. Zurek PM. **J Acoust Soc Am** 1985 Jul;78(1 Pt 2):340-4

Do letter features migrate? A note of caution. Butler BE, et al. **Psychol Res** 1984;46(3):223-36

PERCEPTUAL MASKING

Speed of information-processing and structural limitations by mentally retarded and dual-diagnosed retarded-schizophrenic persons. Saccuzzo DP, et al. **Am J Ment Defic** 1984 Sep;89(2):187-94

Susceptibility to backward masking in schizophrenic patients with positive or negative symptoms. Green M, et al. **Am J Psychiatry** 1984 Oct;141(10):1273-5

The binaural masking level difference as a function of frequency, masker level and masking bandwidth in normal-hearing and hearing-impaired listeners. Hall JW, et al. **Audiology** 1985;24(1):25-31

Influence of interaural level differences on the speech recognition masking level difference. Wilson RH, et al. **Audiology** 1985;24(1):15-24

A clinical study of tinnitus maskers. Hazell JW, et al. **Br J Audiol** 1985 May;19(2):65-146

Practical aspects of the instrumental management of tinnitus. Sheldrake JB, et al. **Br J Audiol** 1985 May;19(2):147-50

A controlled study of tinnitus masking. Stephens SD, et al. **Br J Audiol** 1985 May;19(2):159-67

Metacontrast masking in amblyopia. Tytla ME, et al. **Can J Psychol** 1984 Sep;38(3):369-85

Bangerter occlusives versus spherical convex lenses in the evaluation of visual acuity by visually evoked cortical potentials. Mitsuyu M, et al. **Dev Ophthalmol** 1984;9:115-22

Interrupted noise as a tinnitus masker: an annoyance study. Letowski TR, et al. **Ear Hear** 1985 Mar-Apr;6(2):65-70

Susceptibility to type A backward pattern masking among hypothetically psychosis-prone college students. Balogh DW, et al. **J Abnorm Psychol** 1985 Aug;94(3):377-83

Tactile pattern perception and its perturbations. Craig JC. **J Acoust Soc Am** 1985 Jan;77(1):238-46 (35 ref.)

Differential sensitivity to tonal frequency and to the rate of amplitude modulation of broadband noise by normally hearing listeners. Formby C. **J Acoust Soc Am** 1985 Jul;78(1 Pt 1):70-7

The role of monaural frequency selectivity in binaural analysis. Hall JW, et al. **J Acoust Soc Am** 1984 Aug;76(2):435-9

NoSo and NoS pi thresholds as a function of masker level for narrow-band and wideband masking noise. Hall JW, et al. **J Acoust Soc Am** 1984 Dec;76(6):1699-703

On the growth of masking asymmetry with stimulus intensity. Lutfi RA, et al. **J Acoust Soc Am** 1984 Sep;76(3):739-45

Predicting frequency selectivity in forward masking from simultaneous masking. Lutfi RA. **J Acoust Soc Am** 1984 Oct;76(4):1045-50

Additivity of simultaneous masking, revisited. Moore BC. **J Acoust Soc Am** 1985 Aug;78(2):488-94

Refining the measurement of psychophysical tuning curves. Moore BC, et al. **J Acoust Soc Am** 1984 Oct;76(4):1057-66

Discrimination of fundamental frequency of synthesized vowel sounds in a noise background. Scheffers MT. **J Acoust Soc Am** 1984 Aug;76(2):428-34

Masking-period patterns: presentation of a model compatible with an enlarged set of psychophysical and physiological results. Schwartz JL, et al. **J Acoust Soc Am** 1985 Aug;78(2):474-87

Pitch shift of pure and complex tones induced by masking noise. Stoll G. **J Acoust Soc Am** 1985 Jan;77(1):188-92

Auditory filter asymmetry in the hearing impaired. Tyler RS, et al. **J Acoust Soc Am** 1984 Nov;76(5):1363-8

The effects of multichannel compression/expansion amplification on the intelligibility of nonsense syllables in noise. Walker G, et al. **J Acoust Soc Am** 1984 Sep;76(3):746-57

Effect of a contralateral masking stimulus on auditory response performance. Sagharichi M, et al. **J Aud Res** 1983 Apr;23(2):77-93

The schizophrenia spectrum: a study of the relationship among the Rorschach, MMPI, and visual backward masking. Saccuzzo DP, et al. **J Clin Psychol** 1984 Nov;40(6):1288-94

Nonsimultaneous auditory masking in the budgerigar (Melopsittacus undulatus). Dooling RJ, et al. **J Comp Psychol** 1985 Jun;99(2):226-30

Abrupt visual onsets and selective attention: evidence from visual search. Yantis S, et al. **J Exp Psychol [Hum Percept]** 1984 Oct;10(5):601-21

Lateralization of peripherally and centrally masked words in young and elderly people. Byrd M, et al. **J Gerontol** 1984 Nov;39(6):699-703

Information processing in borderline patients. Schubert DL, et al. **J Nerv Ment Dis** 1985 Jan;173(1):26-31

Temporal properties of visual channels measured by masking. Lehky SR. **J Opt Soc Am [A]** 1985 Aug;2(8):1260-72

Prospective crossover evaluation of four methods of clinical management of tinnitus. Mehlum D, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):448-53

Critical stimulus durations for some verbal and nonverbal stimuli. Barbee JG, et al. **Percept Mot Skills** 1984 Dec;59(3):1001-2

Summation of target and mask metacontrast stimuli. Burr DC. **Perception** 1984;13(2):183-92

Flicker masking of spatial-frequency-dependent visible persistence and specific reading disability. Slaghuis WL, et al. **Perception** 1984;13(5):527-34

Perceptual restoration of obliterated sounds. Warren RM. **Psychol Bull** 1984 Sep;96(2):371-83 (60 ref.)

Signal-to-noise threshold with and without hearing aid. Welzl-Müller K, et al. **Scand Audiol** 1984;13(4):283-6

[Effect of the structure of space in the identification of a sense of movement in stroboscopic light] Cavallo V, et al. **Can J Psychol** 1984 Sep;38(3):402-10 (Eng. Abstr.) **(Fre)**

[Effect of staged monocular masking on the intensity of nystagmus in latent nystagmus] Esser J, et al. **Fortschr Ophthalmol** 1985;82(3):303-5 (Eng. Abstr.) **(Ger)**

[Clicks by bone conduction versus bone-conducted masking for evaluations of brain stem auditory evoked potentials in pediatric patients] Ysunza A. **Bol Med Hosp Infant Mex** 1985 Feb;42(2):99-106 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Knowledge within perception: masking caused by incompatible interpretation. Leeuwenberg E, et al. **Acta Psychol (Amst)** 1985 May;59(1):91-102

The influence of masking on the ipsi- and contralateral brainstem evoked potential. Knothe J, et al. **Arch Otorhinolaryngol** 1985;242(1):99-103

Mechanoreceptive submodality channel interactions: psychophysical observations on differential activation of flutter and vibration. Martin JH, et al. **Brain Res** 1985 Feb 18;327(1-2):269-77

Mechanoreceptive submodality channel interactions: single unit analysis of afferent inhibition in the primary somatosensory cortex of the cat. Martin JH, et al. **Brain Res** 1985 Feb 18;327(1-2):279-88

Psychophysiological responses to masked auditory stimuli. Borgeat F, et al. **Can J Psychiatry** 1985 Feb;30(1):22-7

On the effect of cross-hearing and clinical masking on the auditory brain-stem evoked response. Smyth V. **Electroencephalogr Clin Neurophysiol** 1985 Jul;61(1):26-9

Responses elicited from medial superior olivary neurons by stimuli associated with binaural masking and unmasking. Langford TL. **Hear Res** 1984 Jul;15(1):39-50

The microstructure of quiet and masked thresholds. Long GR. **Hear Res** 1984 Jul;15(1):73-87

Measurement of the combination tone 2f1-f2 using two-tone forward masking and compound action potential responses. Norris CH, et al. **Hear Res** 1984 Sep;15(3):281-6

Frequency threshold curves and simultaneous masking functions in single fibres of the guinea pig auditory nerve. Pickles JO. **Hear Res** 1984 Jun;14(3):245-56

Frequency threshold curves and simultaneous masking functions in high-threshold, broadly-tuned, fibres of the guinea pig auditory nerve. Pickles JO. **Hear Res** 1984 Oct;16(1):91-9

Interactions between target and masking stimuli: perceptual and event-related potential effects. Andreassi JL. **Int J Psychophysiol** 1984 Feb;1(2):153-62

Auditory brain stem responses from human infants: pure-tone masking profiles for clicks and filtered clicks. Folsom RC. **J Acoust Soc Am** 1985 Aug;78(2):555-62

Vibrotactile forward masking: psychophysical evidence for a triplex theory of cutaneous mechanoreception. Gescheider GA, et al. **J Acoust Soc Am** 1985 Aug;78(2):534-43

A power-law transformation predicting masking by sounds with complex spectra. Lutfi RA. **J Acoust Soc Am** 1985 Jun;77(6):2128-36

The danger of using narrow-band noise maskers to measure 'suppression'. Moore BC, et al. **J Acoust Soc Am** 1985 Jun;77(6):2137-41

Temporal interactions between pure tones and amplitude-modulated noise. Wakefield GH, et al. **J Acoust Soc Am** 1985 Apr;77(4):1535-42

Click stimuli do produce masking-level differences, sometimes. Yost WA. **J Acoust Soc Am** 1985 Jun;77(6):2191-2

Postmasking effects of sensorineural tinnitus: a preliminary investigation. Tyler RS, et al. **J Speech Hear Res** 1984 Sep;27(3):466-74

Interhemispheric visual masking. Braff DL, et al. **Percept Mot Skills** 1985 Apr;60(2):495-502

Spatial frequency selectivity of remote pattern masking. Derrington AM. **Vision Res** 1984;24(12):1965-8

Transposition in backward masking. The case of the travelling gap. Wilson AE, et al. **Vision Res** 1985;25(2):283-8

[Pre-exposure to a response, Lubow effect and masking in the learning of bidirectional avoidance] Doré FY. **Annee Psychol** 1984;84(1):21-42 (Eng. Abstr.) **(Fre)**

[Upward spread of masking in normal and abnormal ears] Picard M, et al. **Audiology** 1985;24(2):81-91 (Eng. Abstr.) **(Fre)**

[Effect of ipsilateral, contralateral and binaural roaring noise on brain stem potentials in the guinea pig] Dum N, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Dec;63(12):636-9 (Eng. Abstr.) **(Ger)**

[Effect of masking on interhemispheric and bilateral asymmetry of long-latency auditory evoked potentials] Koroleva IV, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):643-5 (Eng. Abstr.) **(Rus)**

[Reorganization of the process of visual recognition in response to a change in perceptual conditions] Krol' VM, et al. **Zh Vyssh Nerv Deiat** 1984 Sep-Oct;34(5):975-7 **(Rus)**

[Lateralization of visual perception of letters during reverse masking] Miamlin VV. **Zh Vyssh Nerv Deiat** 1985 Mar-Apr;35(2):222-7 (Eng. Abstr.) **(Rus)**

[Effect of masking on the auditive potentials of the brainstem and on the action potential of the VIII nerve in man] Prosser S, et al. **An Otorrinolaringol Ibero Am** 1984;11(5-6):445-57 (Eng. Abstr.) **(Spa)**

PERCEPTUAL MOTOR PERFORMANCE see **PSYCHOMOTOR PERFORMANCE**

PERCHLORIC ACIDS

Quantification of acylcarnitines [letter] Brass EP, et al. **Clin Chem** 1985 Mar;31(3):491-2

PHARMACODYNAMICS

Effect of the chaotropic anions thiocyanate and perchlorate on the entry of ricin into Vero cells. Sandvig K, et al. **Biochem J** 1985 Jun 1;228(2):521-3

In vivo effect of amiodarone, thiocyanate, perchlorate and goitrin on thyroxine deiodination in rat liver. Langer P, et al. **Endocrinol Exp (Bratisl)** 1984 Sep;18(3):177-82

Brown adipose tissue heat production in heat acclimated and perchlorate treated rats. Arieli A, et al. **Horm Metab Res** 1985 Jan;17(1):12-5

Effect of perchlorate treatment on mitochondrial MAO-A and -B activities. Arai Y, et al. **Med Biol** 1984;62(4):245-9

TOXICITY

Mechanism of chemical-induced toxicity. II. Role of extracellular calcium. Fariss MW, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):296-306

PERCHLOROETHYLENE see **TETRACHLOROETHYLENE**

PERCUSSION

Chest thump acceleration of ventricular tachycardia [letter] Sclarovsky S. **Am J Cardiol** 1985 Jan 1;55(1):249

Hydatid thrill: an explanation of the phenomenon. Sukumar A. **Br J Surg** 1984 Sep;71(9):730

Postoperative chest percussion with postural drainage in obese patients following gastric stapling. Torrington KG, et al. **Chest** 1984 Dec;86(6):891-5

Assessment of percussion, vibratory-shaking and breathing exercises in chest physiotherapy. Sutton PP, et al. **Eur J Respir Dis** 1985 Feb;66(2):147-52

Inefficiency of chest percussion in the physical therapy of chronic bronchitis. Wollmer P, et al. **Eur J Respir Dis** 1985 Apr;66(4):233-9

[Splenic arrhythmia, a reliable sign of bilio-duodenal pathology] Stagnaro S. **Minerva Med** 1985 Jul 31;76(30-31):1426-7 **(Ita)**

PERCUTANEOUS ADMINISTRATION see **ADMINISTRATION, TOPICAL**

PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY see **ANGIOPLASTY, TRANSLUMINAL**

PERFLUOROBUTYL TETRAHYDROFURAN see under **FLUOROCARBONS**

PERFLUOROCARBONS see **FLUOROCARBONS**

PERFUME

ADVERSE EFFECTS

Transient and persistent photosensitivity due to musk ambrette. Clinical and photobiological studies. Ramsay CA. **Br J Dermatol** 1984 Oct;111(4):423-9

Mortality and cancer incidence in the perfumery and flavour industry of Geneva. Guberan E, et al. **Br J Ind Med** 1985 Apr;42(4):240-5

Patch tests with fragrance materials and preservatives. de Groot AC, et al. **Contact Dermatitis** 1985 Feb;12(2):87-92

Simultaneous allergy to perfume ingredients. Van Joost T, et al. **Contact Dermatitis** 1985 Feb;12(2):115-6

Perfume dermatitis. Larsen WG. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):1-9 (20 ref.)

Testing with musk ambrette and congeners in a case of

NEWARK PUBLIC LIBRARY

photosensitivity dermatitis and actinic reticuloid syndrome (PD/AR). Schmidt RJ, et al. **Photodermatol** 1984 Aug; 1(4):195–8

[Detection of allergy to ethereal oils using balsams of a basic test set] Rudzki E, et al. **Przegl Dermatol** 1984 May–Jun; 71(3):215–20 (Eng. Abstr.) **(Pol)**

ANALYSIS

High–performance liquid chromatographic–fluorometric determination of cinnamaldehyde in perfume, cologne and toilet water. Wisneski HH, et al. **J Chromatogr** 1984 Dec 28;317:421–6

METABOLISM

Comparison of percutaneous absorption of fragrances by humans and monkeys. Bronaugh RL, et al. **Food Chem Toxicol** 1985 Jan;23(1):111–4

PHARMACODYNAMICS

Examination of some fragrance substances for mutagenic activity. Williams J, et al. **Food Chem Toxicol** 1984 Nov; 22(11):897–900

TOXICITY

Photodermatitis from musk ambrette in barbers' cologne. Goh CL, et al. **Contact Dermatitis** 1985 Apr;12(4):229–30

PERFUSION

The utility of SPECT for 99mTc–MAA hepatic arterial perfusion scintigraphy. Ziessman HA, et al. **AJR** 1985 Oct; 145(4):747–51

Nuclear magnetic resonance analysis of acute myocardial infarction in dogs: the effects of transient coronary ischemia of varying duration and reperfusion on spin lattice relaxation times. Brown JJ, et al. **Am Heart J** 1985 Mar; 109(3 Pt 1):486–90

Lack of correlation between occlusion and reperfusion arrhythmias in the cat. Zuanetti G, et al. **Am Heart J** 1985 May;109(5 Pt 1):932–6

Caffeine–induced myocardial injury in calcium–free perfused rat hearts. Vander Heide RS, et al. **Am J Pathol** 1985 Jan; 118(1):55–65

Effect of brief vascular perfusion on the ultrastructure and activity of mitochondria isolated from the rat heart. Staecker JL, et al. **Cell Tissue Res** 1985;240(1):247–9

Effects of coronary artery occlusion and reperfusion on cardiac cycle–dependent variation of myocardial ultrasonic backscatter. Glueck RM, et al. **Circ Res** 1985 May; 56(5):683–9

Role of glycolytic products in damage to ischemic myocardium. Dissociation of adenosine triphosphate levels and recovery of function of reperfused ischemic hearts. Neely JR, et al. **Circ Res** 1984 Dec;55(6):816–24

Coronary venous perfusion of the ischemic myocardium during acute coronary artery occlusion in isolated rat hearts. Taira Y, et al. **Circ Res** 1985 May;56(5):666–75

Effects of coronary artery reperfusion on regional myocardial blood flow and function in conscious baboons. Heyndrickx GR, et al. **Circulation** 1985 May;71(5):1029–37

Regional function and perfusion at the lateral border of ischemic myocardium. Homans DC, et al. **Circulation** 1985 May;71(5):1038–47

Failure of the xanthine oxidase inhibitor allopurinol to limit infarct size after ischemia and reperfusion in dogs. Reimer KA, et al. **Circulation** 1985 May;71(5):1069–75

Immediate functional recovery and avoidance of reperfusion injury with surgical revascularization of short–term coronary occlusion. Vinten–Johansen J, et al. **Circulation** 1985 Aug;72(2):431–9

In vitro perfusion of human placental tissue. International workshop. Zürich, March 8–9,1984. **Contrib Gynecol Obstet** 1985;13:1–189

Human placental energy metabolism: its relevance to in vitro perfusion. Bloxam DL. **Contrib Gynecol Obstet** 1985; 13:59–69

Criteria for evaluating perfusion experiments and presentation of results. Challier JC. **Contrib Gynecol Obstet** 1985;13:32–9 (19 ref.)

Why perfuse the human placenta. Dancis J. **Contrib Gynecol Obstet** 1985;13:1–4

Human placenta in vitro: characterization during 12 h of dual perfusion. Miller RK, et al. **Contrib Gynecol Obstet** 1985; 13:77–84

Dual in vitro perfusion of an isolated lobe of human placenta: method and instrumentation. Schneider H, et al. **Contrib Gynecol Obstet** 1985;13:40–7

Intracranial pressure and cerebral perfusion pressure in near–drowning. Sarnaik AP, et al. **Crit Care Med** 1985 Apr; 13(4):224–7

Effects of short–term hypothermic perfusion and cold storage on function of the isolated–perfused dog kidney. Southard JH, et al. **Cryobiology** 1985 Apr;22(2):147–55

Investigations on the toxicity of bile salt solutions, Capmul 8210 and a bile salt–EDTA solution for common bile duct perfusion in dogs. Leuschner U, et al. **Digestion** 1984; 30(1):23–32

Perfusion dehydration fixes elastin and preserves lung air–space dimensions. Oldmixon EH, et al. **J Appl Physiol** 1985 Jan;58(1):105–13

An isolated rat liver model for the evaluation of thermal techniques to quantify perfusion. Valvano JW, et al. **J Biomech Eng** 1984 Aug;106(3):187–91

The simultaneous measurement of thermal conductivity, thermal diffusivity, and perfusion in small volumes of tissue. Valvano JW, et al. **J Biomech Eng** 1984 Aug;106(3):192–7

Morphological evidence that high density lipoproteins are not internalized by steroid–producing cells during in situ organ perfusion. Reaven E, et al. **J Clin Invest** 1984 Oct; 74(4):1384–97

Polymeric dyes: useful nonabsorbable reference markers for intestinal perfusion studies in animals. Dupas JL, et al. **J Pharm Sci** 1985 Mar;74(3):328–30

The use of Gd DTPA as a perfusion agent and marker of blood–brain barrier disruption. Runge VM, et al. **Magn Reson Imaging** 1985;3(1):43–55

Myocardial blood flow conditions at re–perfusion following acute ischaemia. Andersen KS, et al. **Scand J Clin Lab Invest** 1985 May;45(3):275–82

Effects of preservation conditions and temperature on tissue acidification in canine kidneys. Kallerhoff M, et al. **Transplantation** 1985 May;39(5):485–9

[Massive air embolism during cardiopulmonary bypass––a case report of successful management by temporary retrograde perfusion through the superior vena cava] Noritake S, et al. **Kyobu Geka** 1985 Apr;38(4):274–7 (Eng. Abstr.) **(Jpn)**

[A study of arterially perfused enucleated eye––drug effects on aqueous humor formation] Kodama T. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):239–46 (Eng. Abstr.) **(Jpn)**

[Vascular component of the reflex reaction to an increase in the amplitude of pulsatile perfusion pressure] Osadchiĭ LI, et al. **Fiziol Zh SSSR** 1983 Jul;69(7):955–7 **(Rus)**

ADVERSE EFFECTS

Compression of the true lumen by retrograde perfusion during repair of aortic dissection. Robicsek F, et al. **J Cardiovasc Surg (Torino)** 1985 Jan–Feb;26(1):36–40

Reperfusion injury induced by augumented oxygen uptake in the initial reperfusion period. Possible efficacy of extreme hemodilution. Otani H, et al. **J Mol Cell Cardiol** 1985 May; 17(5):457–65

Effect of some free radical scavengers on reperfusion induced arrhythmias in the isolated rat heart. Woodward B, et al. **J Mol Cell Cardiol** 1985 May;17(5):485–93

INSTRUMENTATION

An HPLC/push–pull perfusion technique for investigating peptide metabolism. Singh AV, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):37–42

New 'micro push–pull' catheter system for localized perfusion of diminutive structures in brain. Myers RD, et al. **Brain Res Bull** 1985 May;14(5):477–83

A new simple temperature–controlled membrane oxygenator for the perfusion of isolated rat livers. Ogura M, et al. **Experientia** 1985 Jan 15;41(1):139–41

Synchronized diastolic coronary venous retroperfusion: results of a preclinical safety and efficacy study. Drury JK, et al. **J Am Coll Cardiol** 1985 Aug;6(2):328–35

New double–lumen polyethylene cannula for push–pull perfusion of brain tissue in vivo. Myers RD, et al. **J Neurosci Methods** 1985 Jan;12(3):205–18

An all–glass apparatus for liver perfusion of lipophilic substrates. I. Construction and physical characteristics. Connors S, et al. **J Pharmacol Methods** 1985 Feb; 13(1):83–94

Isolated perfused rabbit lung as a model to study the absorption of organic aerosols. French MC, et al. **J Pharmacol Methods** 1985 Jun;13(3):241–8

Drug distribution in solid tissue of the brain following chronic local perfusion utilizing implanted osmotic minipumps. Lum JT, et al. **J Pharmacol Methods** 1984 Sep; 12(2):141–7

Versatile temperature controlled tissue bath for studies of isolated cells using an inverted microscope. Datyner NB, et al. **Pflugers Arch** 1985 Mar;403(3):318–23

[Comparative study of the pulsatile and nonpulsatile perfusion] Nakaoka Y. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jul;32(7):1054–64 (Eng. Abstr.) **(Jpn)**

[Preservation of a donor heart under hypothermia by using apparatus perfusion] Kobakhidze EA, et al. **Anesteziol Reanimatol** 1985 Mar–Apr;(2):74–7 (91 ref.) **(Rus)**

[Transmural flow of D–galactose in the jejunum of young rats using a new perfusion chamber] Moretó M, et al. **Rev Esp Fisiol** 1984 Dec;40(4):417–23 (Eng. Abstr.) **(Spa)**

METHODS

Vasodilator synchronized retroperfusion: quantitative assessment of flow–function relation in acutely ischemic canine myocardium. Berdeaux A, et al. **Am J Cardiol** 1985 May 1;55(11):1417–22

Permeability studies of the labyrinth in the guinea pig placenta. I. Perfusion of fixatives and tracers into the fetal circulation. Orgnero de Gaisán E, et al. **Anat Embryol (Berl)** 1985;171(1):71–4

Isolation–perfusion of the liver with 5–fluorouracil. Sindelar WF. **Ann Surg** 1985 Mar;201(3):337–43

A simple technique for renal protection during repair of complicated aneurysms. Hummel BW, et al. **Ann Thorac Surg** 1985 Jun;39(6):584–5

A modified perifused incubation system for isolated fat–cells. Investigation of intermediary metabolism by perifusion. Harper RD. **Biochem J** 1984 Nov 15;224(1):235–9

Gluconeogenesis in periportal and perivenous hepatocytes of rat liver, isolated by a new high–yield digitonin/collagenase perfusion technique. Quistorff B. **Biochem J** 1985 Jul 1;229(1):221–6

An improved method for in vitro perfusion of human skin. Hiernickel H. **Br J Dermatol** 1985 Mar;112(3):299–305

A new in vitro microsuperfusion technique for investigation of human detrusor muscle. Palfrey EL, et al. **Br J Urol** 1984 Dec;56(6):635–40

Effects of plasma treatment with purified protein A and Staphylococcus aureus Cowan I on spontaneous animal neoplasms. Klausner JS, et al. **Cancer Res** 1985 Mar; 45(3):1263–9

Percutaneous perfusion of occluded coronary arteries with blood from the femoral artery: a dog study. Meier B, et al. **Cathet Cardiovasc Diagn** 1985;11(1):81–7

Reduction of infarct size with intracoronary perfluorochemical in a canine preparation of reperfusion. Forman MB, et al. **Circulation** 1985 May;71(5):1060–8

Effects of hypothermic kidney preservation on the isolated perfused kidney: a comparison of reperfusion methods. Rice MJ, et al. **Cryobiology** 1985 Apr;22(2):161–7

The isolated perfused lung. Niemeier RW. **Environ Health Perspect** 1984 Jun;56:35–41 (55 ref.)

Isolated perfused lung preparation for studying altered gaseous environments. Rhoades RA. **Environ Health Perspect** 1984 Jun;56:43–50 (38 ref.)

Haemodynamic and antiarrhythmic protective effects of intracoronary perfusion during percutaneous transluminal coronary angioplasty. McDonald FM, et al. **Eur Heart J** 1985 Apr;6(4):284–93

Support of cochlear metabolic and ion transport processes solely by perilymphatic perfusion. Marcus DC, et al. **Hear Res** 1984 Sep;15(3):287–92

Synchronized coronary venous retroperfusion: prompt improvement of left ventricular function in experimental myocardial ischemia. Yamazaki S, et al. **J Am Coll Cardiol** 1985 Mar;5(3):655–63

Regulation of ammonia production by mouse proximal tubules perfused in vitro. Effect of luminal perfusion. Nagami GT, et al. **J Clin Invest** 1985 Mar;75(3):844–9

Effect of coronary artery occlusion on myocardial protection by retroperfusion of cardioplegic solutions. Silverman NA, et al. **J Surg Res** 1985 Aug;39(2):164–71

Use of a balloon–tipped perfusion catheter for renal preservation during suprarenal abdominal aortic operations. Walker HS 3d, et al. **J Vasc Surg** 1985 Mar;2(2):337–9

A modified technique for perfusing blood vessels in pulps of extracted teeth. Rapp R, et al. **Oral Surg Oral Med Oral Pathol** 1984 Dec;58(6):715–21

[Small intestine perfusion. The authors' own method for the simultaneous performance of biopsy and perfusion of the human small intestine] Stoĭnov S, et al. **Vutr Boles** 1985; 24(3):23–8 (Eng. Abstr.) **(Bul)**

[Experimental heart transplantation in dogs––preservation of isolated hearts for 36 hours by retrograde coronary sinus microperfusion] Suzuki S, et al. **Nippon Geka Gakkai Zasshi** 1984 Jun;85(6):541–7 (Eng. Abstr.) **(Jpn)**

[Preservation of canine hearts for 24 hours by retrograde coronary sinus microperfusion––evaluation of cardiac function by ventricular pressure–volume relationships and orthotopic heart transplantation] Suzuki S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1985 Feb;33(2):139–46 (Eng. Abstr.) **(Jpn)**

TRENDS

Past, present, and future of placental perfusion experiments. Panigel M. **Contrib Gynecol Obstet** 1985;13:132–6

VETERINARY

A rapid method for renal vascular perfusion for light and transmission electron microscopy of chicken kidney. Brown TP, et al. **Avian Dis** 1985 Apr–Jun;29(2):561–7

PERFUSION, REGIONAL

A prospective randomized study of regional extremity perfusion in patients with malignant melanoma. Ghussen F, et al. **Ann Surg** 1984 Dec;200(6):764–8

Isolated regional perfusion; anaesthetic technique, monitoring and blood replacement. Goldberg ME, et al. **Can Anaesth Soc J** 1984 Sep;31(5):552–8

The safe use of cisplatin in hyperthermic isolated limb perfusion systems. Roseman JM, et al. **Cancer** 1985 Aug 15;56(4):742–4

Regional perfusion for malignant melanoma and soft tissue sarcoma: a review. Muchmore JH, et al. **Cancer Invest** 1985; 3(2):129–43 (81 ref.)

Pharmacokinetics of melphalan in clinical isolation perfusion of the extremities. Briele HA, et al. **Cancer Res** 1985 Apr; 45(4):1885–9

Towards a rational perfusion strategy for malignant melanoma. Rampen FH. **Eur J Surg Oncol** 1985 Jun; 11(2):117–8

Isolation perfusion for malignant melanoma of the extremity:

a review. Cumberlin R, et al. **J Clin Oncol** 1985 Jul; 3(7):1022–31 (31 ref.)

Effect of variation of drug dosage on disease control and regional toxicity in prophylactic perfusion for Stage I extremity melanoma. Mikhail RA, et al. **J Surg Oncol** 1984 Dec;27(4):215–8

Pelvic perfusion hyperthermia for advanced pelvic malignancies. Yokoyama I, et al. **Jpn J Surg** 1985 Jan; 15(1):49–54

Perfluorocarbone (FDA 20) and extracorporeal circuit of isolated extremity perfusion. Hild P, et al. **Tumori** 1985 Jun 30;71(3):267–70

[Dye concentration measurements for the determination of leakage during and following normothermic cytostatic perfusion in the treatment of tumors of the extremities] Krauss J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1984;17(5):269–74 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

The implanted pump in metastatic colorectal cancer of the liver. Risk versus benefit. Johnson LP, et al. **Am J Surg** 1985 May;149(5):595–8

Duodenal perforation by an infusion catheter for hepatic chemotherapy [letter] Souza Lima MA, et al. **Ann Intern Med** 1985 Sep;103(3):472

A prospective study of continuous hepatic perfusion with implantable pump. Riether RD, et al. **Dis Colon Rectum** 1985 Jan;28(1):24–6

METHODS

Method of isolation-perfusion of the liver in the pig. Sindelar WF. **Am Surg** 1984 Oct;50(10):557–63

Improved tissue perfusion during pressure regulated hyperthermic regional isolated perfusion. A clinical study. Fontijne WP, et al. **Cancer** 1985 Apr 1;55(7):1455–61

A clinical and pharmacokinetic study of isolated limb perfusion with heat and melphalan for melanoma. Minor DR, et al. **Cancer** 1985 Jun 1;55(11):2638–44

Regional isolation-perfusion: an experimental percutaneous approach tested and compared with arterial occlusion-infusion. Wright KC, et al. **Cardiovasc Intervent Radiol** 1984;7(6):294–8

Percutaneous transcatheter infusion and infarction in the treatment of human cancer: Part I. Wallace S, et al. **Curr Probl Cancer** 1984 Nov;8(17):1–62

Pharmacokinetics of 5-fluorouracil during hyperthermic pelvic isolation-perfusion. Wile AG, et al. **J Clin Oncol** 1985 Jun;3(6):849–52

A technique for isolated hyperthermic liver perfusion. Quebbeman EJ, et al. **J Surg Oncol** 1984 Nov;27(3):141–5

Malignant melanoma and isolated limb perfusion. Giraud RM. **S Afr J Surg** 1984 Nov-Dec;22(4):243–8

Isolated hindlimb perfusion in dogs: the effect of perfusion pressures on the oxygen supply (ptO2 histogram) to the skeletal muscle. Fontijne WP, et al. **Surgery** 1985 Mar; 97(3):278–84

Isolated total lung perfusion as a means to deliver organ-specific chemotherapy: long-term studies in animals. Johnston MR, et al. **Surgery** 1985 Jul;98(1):35–44

[Regional hyperthermic cytostatic perfusion as an alternative in the treatment of malignant soft tissue tumors of the extremities] Ghussen F, et al. **Chirurg** 1984 Aug;55(8):505–7 (Eng. Abstr.) **(Ger)**

[Hyperthermic isolation perfusion of the extremities in malignant melanomas and soft tissue sarcomas] Tonak J, et al. **Chirurg** 1984 Aug;55(8):499–504 **(Ger)**

PERHEXILINE

ADVERSE EFFECTS

Perhexilene neuropathy: a report of two cases [letter] Goble AJ, et al. **Aust NZ J Med** 1984 Jun;14(3):279

Impaired oxidation of debrisoquine in patients with perhexiline liver injury. Morgan MY, et al. **Gut** 1984 Oct; 25(10):1057–64

ANALOGS & DERIVATIVES

Investigations of long-term treatment with perhexiline maleate using therapeutic monitoring and electromyography. Pilcher J, et al. **Ther Drug Monit** 1985; 7(1):54–60

[Treatment of angina pectoris with perhexiline maleate. Results and secondary effects] Rodriguez Lambert JL, et al. **Rev Esp Cardiol** 1984 Nov-Dec;37(6):431–3 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Perhexiline directly inhibits arterial myosin phosphorylation and stimulates cardiac myofibrillar ATPase activity. Silver PJ. **Eur J Pharmacol** 1984 Oct 30;106(1):217–8

Effects of the calcium antagonists perhexiline and cinnarizine on vascular and cardiac contractile protein function. Silver PJ, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):629–35

Extracellular potassium concentration; perhexiline and SKF-525A on the action of ouabain in isolated self-beating rat auricles. Canga L, et al. **Methods Find Exp Clin Pharmacol** 1984 Sep;6(9):497–502

Study of the mutagenic activity of 6 hepatotoxic pharmaceutical drugs in the Salmonella typhimurium microsome test, and the HGPRT and Na+/K+ ATPase system in cultured mammalian cells. Dayan J, et al. **Mutat Res** 1985 Jul;157(1):1–12

THERAPEUTIC USE

Alterations in isoproterenol-induced cardiac metabolic changes by perhexiline. Seth SD, et al. **Indian J Med Res** 1985 Feb;81:224–9

PERIADENITIS see STOMATITIS, APHTHOUS

PERIANAL GLAND NEOPLASMS see ANAL GLAND NEOPLASMS

PERIANAL GLANDS

ABNORMALITIES

Fistula-in-ano in childhood: a congenital etiology. Fitzgerald RJ, et al. **J Pediatr Surg** 1985 Feb;20(1):80–1

ANATOMY & HISTOLOGY

Anatomic predisposition to perianal fistulae formation in the German shepherd dog. Budsberg SC, et al. **Am J Vet Res** 1985 Jul;46(7):1468–72

PERIAPICAL ABSCESS

COMPLICATIONS

The presentation and complications of odontogenic septic shock. Report of a case. Quinn P, et al. **Oral Surg Oral Med Oral Pathol** 1985 Apr;59(4):336–9

DRUG THERAPY

[Fosfomycin: a further clinical contribution in oral cavity pathology] Gualandi G, et al. **Clin Ter** 1984 Oct 15; 111(1):53–6 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Further characterization of Bacteroides endodontalis, an asaccharolytic black-pigmented Bacteroides species from the oral S cavity. van Winkelhoff AJ, et al. **J Clin Microbiol** 1985 Jul;22(1):75–9

PERIAPICAL CYST see RADICULAR CYST

PERIAPICAL DISEASES

COMPLICATIONS

[Gangrenous cellulitis of the face. Apropos of a case] Vesse M, et al. **Rev Stomatol Chir Maxillofac** 1984;85(4):287–90 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Metastatic breast carcinoma disguised as periapical disease in the maxilla. Spott RJ. **Oral Surg Oral Med Oral Pathol** 1985 Sep;60(3):327–8

DRUG THERAPY

The use of cefadroxil in the treatment of acute orofacial infections. Cumming CG, et al. **J Dent** 1984 Sep; 12(3):247–51

IMMUNOLOGY

[Immunoglobulin levels in chronic periapical changes] Harmati S, et al. **Fogorv Sz** 1985 Jun;78(6):161–5 (Eng. Abstr.) **(Hun)**

MICROBIOLOGY

Immunoelectron microscopic study of Actinomyces colony in odontogenic periapical infection. Happonen RP, et al. **Int J Oral Surg** 1984 Dec;13(6):539–44

PHYSIOPATHOLOGY

A suggested role for polymorphonuclear leukocytes in the perpetuation of periapical disease. Callis PD, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jan;59(1):88–90

PREVENTION & CONTROL

[Selective care of chronic gangrenous and periapical processes in young soldiers during a systematic dental examination] Todorović S, et al. **Vojnosanit Pregl** 1985 Jan-Feb;42(1):25–8 (Eng. Abstr.) **(Scr)**

RADIOGRAPHY

Periapical lesions. Wood NK. **Dent Clin North Am** 1984 Oct; 28(4):725–66

Interpretation of intraoral periapical radiographs. Abdel Wahab MH, et al. **J Dent** 1984 Dec;12(4):302–13

Focal sclerosing osteomyelitis/focal periapical osteopetrosis: radiographic patterns. Eversole LR, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):456–60

Prophylactic use of penicillin V in teeth with necrotic pulps and asymptomatic periapical radiolucencies. Mata E, et al. **Oral Surg Oral Med Oral Pathol** 1985 Aug;60(2):201–7

SURGERY

Surgical endodontics. Nehammer CF. **Br Dent J** 1985 Jun 8;158(11):400–9

THERAPY

[Statistical study of a long-term follow-up of root canal treatments in 194 radiologically visible periapical lesions] Guignard JL, et al. **Schweiz Monatsschr Zahnmed** 1985 Apr; 95(4):290–306 (Eng. Abstr.) **(Fre)**

PERIAPICAL GRANULOMA

PATHOLOGY

Epithelial attachment at diseased human tooth-apex. Nair PN, et al. **J Periodont Res** 1985 May;20(3):293–300

In situ characterization of mononuclear cells in human dental periapical inflammatory lesions using monoclonal antibodies. Nilsen R, et al. **Oral Surg Oral Med Oral Pathol** 1984 Aug;58(2):160–5

Macrophages isolated from periapical granuloma: a scanning electron microscopic study. Zmener O. **Oral Surg Oral Med Oral Pathol** 1984 Sep;58(3):330–5

SURGERY

Periapical healing after apicocurettage during apexification. Harbert HL. **ASDC J Dent Child** 1985 Jul-Aug;52(4):303–5

PERIAPICAL PERIODONTITIS

DRUG THERAPY

[Short-term clinico-statistical study of the anti-inflammatory activity of proglumetacin in ambulatory dental practice] Floris N, et al. **Minerva Stomatol** 1985 May-Jun;34(3):573–8 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Immunocytochemical demonstration of Actinomyces species and Arachnia propionica in periapical infections. Happonen RP, et al. **J Oral Pathol** 1985 May;14(5):405–13

PERIAPICAL PERIODONTITIS, CHRONIC NONSUPPURATIVE see PERIAPICAL GRANULOMA

PERIAPICAL PERIODONTITIS, SUPPURATIVE see PERIAPICAL ABSCESS

PERIAPICAL TISSUE

ANATOMY & HISTOLOGY

Intentional vital root transection: a 52-week histopathologic study in Macaca mulatta. Hitchcock R, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jul;60(1):2–14

PHYSIOLOGY

Periapical healing after apicocurettage during apexification. Harbert HL. **ASDC J Dent Child** 1985 Jul-Aug;52(4):303–5

RADIOGRAPHY

Interpretation of intraoral periapical radiographs. Abdel Wahab MH, et al. **J Dent** 1984 Dec;12(4):302–13

PERIAQUEDUCTAL GRAY

ANATOMY & HISTOLOGY

Afferents to a midbrain periaqueductal grey region involved in the 'defence reaction' in the cat as revealed by horseradish peroxidase. I. The telencephalon. Bandler R, et al. **Brain Res** 1985 Mar 18;330(1):109–19

Centrifugal fibers to the rat retina from the medial pretectal area and the periaqueductal grey matter. Itaya SK, et al. **Brain Res** 1985 Feb 11;326(2):362–5

Cortical projections to the periaqueductal grey in the cat: a retrograde horseradish peroxidase study. Bragin EO, et al. **Neurosci Lett** 1984 Oct 12;51(2):271–5

Ascending projections to the lateral thalamic nuclei from the substantia grisea centralis in the rat: a retrograde WGA-HRP study. Sugita S, et al. **Neurosci Res** 1985 Feb; 2(3):189–99

CYTOLOGY

A Golgi study of the periaqueductal gray matter in the cat. Neuronal types and their distribution. Gioia M, et al. **Exp Brain Res** 1985;58(2):318–32

[Features of the neuronal organization of the periaqueductal gray substance of the midbrain in the cat] Bragin EO, et al. **Neirofiziologiia** 1984;16(6):773–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Identification of midbrain neurones mediating defensive behaviour in the rat by microinjections of excitatory amino acids. Bandler R, et al. **Behav Brain Res** 1985 Apr; 15(2):107–19

A mechanism for the analgesic effect of neurotensin as revealed by behavioral and electrophysiological techniques. Behbehani MM, et al. **Brain Res** 1984 Dec 17;324(1):35–42

Characterization of the spinal adrenergic receptors mediating the spinal effects produced by the microinjection of morphine into the periaqueductal gray. Camarata PJ, et al. **Brain Res** 1985 Jun 10;336(1):133–42

Flight induced by infusion of bicuculline methiodide into periventricular structures. Di Scala G, et al. **Brain Res** 1984 Sep 10;309(2):199–208

Spinal monoamine and opiate systems partly mediate the antinociceptive effects produced by glutamate at brainstem sites. Jensen TS, et al. **Brain Res** 1984 Nov 12;321(2):287–97

Dose effects of halothane on sensory evoked responses obtained from the cortex, reticular formation and central gray. Prasad CM, et al. **Int J Neurosci** 1985 Jul; 27(1–2):91–100

The biochemical and behavioral effects of phospholipase A2 and morphine microinjections in the periaqueductal gray of the rat. Reichman M, et al. **Life Sci** 1985 Feb 11; 36(6):515–23

Morphine abstinence syndrome: cholinergic mechanisms in the ventral periaqueductal gray of the dog. Sharpe LG, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar; 49:143–9

Ketamine analgesia is not related to an opiate action in the periaqueductal gray region of the rat brain. Smith DJ, et al. **Pain** 1985 Mar;21(3):253–65

METABOLISM

Benzodiazepine receptors in the periaqueductal grey mediate anti-aversive drug action. Audi EA, et al. **Eur J Pharmacol** 1984 Aug 17;103(3–4):279–85

Proteins synthesized in medial hypothalamus and transported to midbrain in estrogen-treated female rats. Pfaff D, et al. **Exp Brain Res** 1984;57(1):204–7

Modulation of lordosis behavior of female rats by naloxone, beta-endorphin and its antiserum in the mesencephalic central gray: possible mediation via GnRH. Sirinathsinghji DJ. **Neuroendocrinology** 1984 Sep;39(3):222–30

PHYSIOLOGY

Reduced anesthetic requirement after electrical stimulation of periaqueductal gray matter. Roizen MF, et al. **Anesthesiology** 1985 Feb;62(2):120–3

Afferents to a midbrain periaqueductal grey region involved in the 'defense reaction' in the cat as revealed by horseradish peroxidase. II. The diencephalon. Bandler R, et al. **Behav Brain Res** 1984 Sep;13(3):279–85

Discrimination between aversive brain stimulations: effect of stimulation parameters. Lappuke R, et al. **Behav Neural Biol** 1984 Jul;41(2):164–79

The periaqueductal gray is the site of the antinociceptive action of carbamazepine as related to bradykinin-induced trigeminal pain. Foong FW, et al. **Br J Pharmacol** 1984 Oct;83(2):493–7

Self-stimulation of an 'aversive' brain structure: the mesencephalic central gray area. Cazala P, et al. **Brain Res** 1985 Feb 18;327(1–2):53–60

The effects of decerebration and destruction of nucleus raphe magnus, periaqueductal grey matter and brainstem lateral reticular formation on the depression due to surgical trauma of the jaw-opening reflex evoked by tooth-pulp stimulation in the cat. Clarke RW. **Brain Res** 1985 Apr 22;332(2):231–6

Pontomedullary raphe neurons: monosynaptic excitation from midbrain sites that suppress the jaw opening reflex. Mason P, et al. **Brain Res** 1985 Mar 11;329(1–2):384–9

Modulation of lordosis behaviour in the female rat by corticotropin releasing factor, beta-endorphin and gonadotropin releasing hormone in the mesencephalic central gray. Sirinathsinghji DJ. **Brain Res** 1985 Jun 10; 336(1):45–55

Response of serotonin-containing neurons in nucleus raphe magnus to morphine, noxious stimuli, and periaqueductal gray stimulation in freely moving cats. Auerbach S, et al. **Exp Neurol** 1985 Jun;88(3):609–28

Stimulation of the periaqueductal gray subdues sensitized pain in morphine- and meperidine-dependent rats. Emmers R. **Exp Neurol** 1985 May;88(2):405–17

The midbrain periaqueductal gray: a brainstem structure involved in vocalization. Larson CR. **J Speech Hear Res** 1985 Jun;28(2):241–9

Ventrolateral medullary lesions block the antinociceptive and cardiovascular responses elicited by stimulating the dorsal periaqueductal grey matter in rats. Lovick TA. **Pain** 1985 Mar;21(3):241–52

Ethyl alcohol on escape from electrical periaqueductal gray stimulation in rats. Bovier P, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):353–6

Electrical self-stimulation of the mesencephalic central gray area: facilitation by lateral hypothalamic stimulation. Cazala P. **Physiol Behav** 1984 May;32(5):771–7

Effects of hypothalamic lesions on central gray stimulation induced escape behavior and on withdrawal reactions in the rat. Sandner G, et al. **Physiol Behav** 1985 Feb; 34(2):291–7

Anti-aversive role of serotonin in the dorsal periaqueductal grey matter. Schütz MT, et al. **Psychopharmacology (Berlin)** 1985;85(3):340–5

[Neurohumoral regulation of renin-angiotensin system. II. Effect of electro-stimulation of central gray and intraventricular injection of angiotensin II on the plasma cyclic nucleotide content in cats] Chen MQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Jun; 6(3):202–5 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Met-enkephalin-Arg6-Phe7-like immunoreactive substances mediate electroacupuncture analgesia in the periaqueductal gray of the rabbit. Han JS, et al. **Brain Res** 1984 Nov 26; 322(2):289–96

SURGERY

Ultrasound-guided periventricular stereotaxis. Brown FD, et al. **Neurosurgery** 1984 Aug;15(2):162–4

PERIARTERITIS NODOSA

Polyarteritis nodosa. Case report and review. Sirridge WT, et al. **Mo Med** 1984 Oct;81(10):657–9

[Churg-Strauss angiitis] Biarese V, et al. **Recenti Prog Med** 1984 Jun;75(6):585–602 (49 ref.) (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Severe systemic vascular necrosis in cyclosporin-treated rabbits with acute serum sickness. Neild GH, et al. **Br J Exp Pathol** 1984 Dec;65(6):731–43

COMPLICATIONS

Atraumatic rupture of the spleen in periarteritis nodosa. Fallingborg J, et al. **Acta Chir Scand** 1985;151(1):85–7

Polyarteritis nodosa and peripheral neuropathy. Ultrastructural study of 13 cases. Vital A, et al. **Acta Neuropathol (Berl)** 1985;67(1–2):136–41

The heart in polyarteritis nodosa: a clinicopathologic study. Schrader ML, et al. **Am Heart J** 1985 Jun;109(6):1353–9

Polyarteritis nodosa: an unrecognised cause of Fournier's gangrene. Downing R, et al. **Br J Urol** 1985 Jun;57(3):355–6

Acute hemiplegia in Kawasaki disease and infantile polyarteritis nodosa. Laxer RM, et al. **Dev Med Child Neurol** 1984 Dec;26(6):814–8

Sinusitis and polyarteritis nodosa. Burkett PR. **Ear Nose Throat J** 1985 Mar;64(3):127–9

Polyarteritis nodosa presenting as posterior ischaemic optic neuropathy. Hutchinson CH. **J R Soc Med** 1984 Dec; 77(12):1043–6

Polyarteritis nodosa associated with biclonal gammopathy of two-cell line origin and amyloidosis. Bouvet JP, et al. **J Rheumatol** 1985 Feb;12(1):168–70

Simultaneous occurrence of polyarteritis nodosa and leukocytoclastic vasculitis. Pischel KD, et al. **J Rheumatol** 1984 Aug;11(4):542–4

Simultaneous finding of diabetic glomerulosclerosis and macroscopic PAN-type necrotising vasculitis in the same patient [letter] Fort J. **Nephron** 1985;39(3):283–4

Concurrent polyarteritis nodosa and temporal arteritis. Highton J, et al. **NZ Med J** 1984 Nov 14;97(767):766–7

Retinal detachment following the acute retinal necrosis syndrome. Clarkson JG, et al. **Ophthalmology** 1984 Dec; 91(12):1665–8

Acute renal failure with polyarteritis nodosa and multiple myeloma. Williams AJ, et al. **Postgrad Med J** 1985 May; 61(715):445–8

Spontaneous renal infarction due to polyarteritis nodosa. A case report. Fourie IJ, et al. **S Afr Med J** 1985 Jan 5; 67(1):24–5

[Pseudotumor of the ureter manifesting periarteritis nodosa] Duclos JM, et al. **Ann Urol (Paris)** 1984 Dec;18(6):418–9 (Eng. Abstr.) **(Fre)**

[Localized ureteral periarteritis nodosa. Surgical recovery (letter)] Herreman G, et al. **Presse Med** 1985 Jan 12;14(1):48 **(Fre)**

[Rhizomelic pseudopolyarthritis and periarteritis nodosa (letter)] Siame JL. **Presse Med** 1985 Feb 16;14(7):427–8 **(Fre)**

[Simultaneous incidence of bronchial asthma and polyarteritis nodosa (Wilson-Alexander syndrome)] Berkessy S, et al. **Orv Hetil** 1985 Aug 11;126(32):1981–3 (Eng. Abstr.) **(Hun)**

[Polyarteritis nodosa and perforation of the nasal septum (letter)] Oristrell Salva J, et al. **Med Clin (Barc)** 1985 Apr 30;84(16):673–4 **(Spa)**

[Periarteritis nodosa and acute toxoplasmosis] Gastón Morata JL, et al. **Rev Clin Esp** 1984 Oct 15;175(1):49–50 **(Spa)**

DIAGNOSIS

Cutaneous periarteritis nodosa in a child. Jones SK, et al. **Am J Dis Child** 1985 Sep;139(9):920–2

Abdominal polyarteritis nodosa--a possible surgical pitfall? Harvey MH, et al. **Br J Clin Pract** 1984 Jul–Aug; 38(7–8):282–3

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 36–1985. Accelerated hypertension and impaired renal function in a 24-year-old man with a history of illicit drug abuse and hepatitis B infection. **N Engl J Med** 1985 Sep 5;313(10):622–31

[Necrotizing angiitis and abdominal manifestations] Le Thi Huong Du, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Jun;21(3):153–8 (84 ref.) **(Fre)**

[Periarteritis nodosa: clinical and therapeutic study of 126 patients followed-up during 23 years] Guillevin L, et al. **Ann Med Interne (Paris)** 1985;136(1):6–12 (Eng. Abstr.) **(Fre)**

[Bilateral acute ischemic neuropathy in periarteritis nodosa] Denis G, et al. **Bull Soc Ophtalmol Fr** 1984 Aug–Sep; 84(8–9):909–11 (Eng. Abstr.) **(Fre)**

[Churg-Strauss allergic granulomatous angiitis. Apropos of a case with favorable development] Martin F, et al. **LARC Med** 1984 Aug–Sep;4(7):411–2, 415–6 (Eng. Abstr.) **(Fre)**

[Isolated ureteral localization of periarteritis nodosa (letter)] Arlet P, et al. **Presse Med** 1985 Apr 13;14(15):848 **(Fre)**

[Temporal necrotizing angiitis (letter)] Saunier B, et al. **Presse Med** 1985 Jun 1;14(22):1246 **(Fre)**

[45-year-old patient with fever, changing organ symptoms, hypertension] Mundinger A, et al. **Internist (Berlin)** 1984 Jun;25(6):387–8 **(Ger)**

[A case of periarteritis nodosa with aneurysmal dilatation of intra-hepatic arteries, demonstrated by abdominal angiography and abdominal bruit] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jul;81(7):1638–41 **(Jpn)**

[Periarteritis nodosa in a 5-year-old girl] Kobierska-Szczepańska A, et al. **Wiad Lek** 1985 Feb 15; 38(4):309–13 (Eng. Abstr.) **(Pol)**

[Clinical and morphological manifestations of the pathomorphosis of periarteritis nodosa] Iarygin NE, et al. **Arkh Patol** 1984;46(10):26–31 (Eng. Abstr.) **(Rus)**

[Periarteritis nodosa with predominant involvement of the kidneys and lungs] Evdokimov VG, et al. **Sov Med** 1985; (2):117–9 **(Rus)**

[Difficulties in the diagnosis of periarteritis nodosa] Makolkin VI, et al. **Ter Arkh** 1985;57(1):96–9 **(Rus)**

ETIOLOGY

Progressive systemic sclerosis, immunosuppression and necrotising arteritis: cause or effect? Chellingsworth M, et al. **Clin Rheumatol** 1985 Jun;4(2):189–91

[Tuberculosis associated with periarteritis nodosa] Shilkina NP, et al. **Probl Tuberk** 1984 Aug;(8):44–8 (Eng. Abstr.) **(Rus)**

[Cutaneous periarteritis nodosa associated with anti-HBcAg (letter)] Grifol M, et al. **Med Clin (Barc)** 1985 Jun 8; 85(2):80–1 **(Spa)**

[Chronic hepatitis associated with necrotizing vasculitis and blood B antigen (letter)] Jiménez Saenz M, et al. **Rev Clin Esp** 1985 Mar;176(5):265–7 **(Spa)**

FAMILIAL & GENETIC

Juvenile rheumatoid arthritis in two siblings: co-existence with polyarteritis nodosa in one parent. Asherson RA, et al. **Clin Exp Rheumatol** 1984 Apr–Jun;2(2):177–9

IMMUNOLOGY

[Necrotizing angiitis with or without asthma. Clinical, biological and etiological differences. Role of hepatitis B virus] Bletry O, et al. **Presse Med** 1984 Oct 20; 13(37):2245–8 (Eng. Abstr.) **(Fre)**

MORTALITY

[Prognostic factors in periarteritis nodosa and Churg-Strauss angiitis. Multifactor study of the survival of 165 patients (letter)] Le Thi Huong Du, et al. **Presse Med** 1985 Jun 15;14(24):1341 **(Fre)**

PATHOLOGY

Choroiditis in infantile periarteritis nodosa. Googe JM Jr, et al. **Arch Ophthalmol** 1985 Jan;103(1):81–3

Fatal vasculitis (periarteritis nodosa) of the coronary arteries: angiographic ambiguities and absence of aneurysms at autopsy. Cassling RS, et al. **J Am Coll Cardiol** 1985 Sep; 6(3):707–14

Cutaneous polyarteritis nodosa: report of case and literature review. Avedisian R, et al. **J Am Osteopath Assoc** 1985 Feb;85(2):93–6

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 16–1985. A 65-year-old man with glomerulonephritis and pulmonary densities. **N Engl J Med** 1985 Apr 18;312(16):1042–52

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 2–1985. A 57-year-old woman with fever, pain in the legs, anemia, and hypergammaglobulinemia. **N Engl J Med** 1985 Jan 10; 312(2):103–12

[Temporal arteritis with necrotizing angiitis of the muscles] Bussière JL, et al. **Ann Med Interne (Paris)** 1984; 135(7):523–5 (Eng. Abstr.) **(Fre)**

[Uterine necrotizing angiitis. Isolated lesion or disclosing systemic involvement? Apropos of 2 cases] Tranbaloc P, et al. **Arch Anat Cytol Pathol** 1985;33(2):83–5 (Eng. Abstr.) **(Fre)**

[Insurance medicine aspects of periarteritis nodosa as a secondary disease following hepatitis B infection] Lehmann H, et al. **Lebensversicherungsmedizin** 1984 Aug 27; 6(7):163–5 (Eng. Abstr.) **(Ger)**

[A case of allergic granulomatosis and angiitis complicated by multiple mononeuritis--studies on the vascular lesions in biopsied muscle tissues] Sekine F, et al. **Nippon Naika Gakkai Zasshi** 1985 May;74(5):571–6 **(Jpn)**

PHYSIOPATHOLOGY

[Microcirculatory disorders in vasculitis of the skin] Ivanov

OL, et al. **Vestn Dermatol Venerol** 1984 Sep;(9):23-6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiological features of polyarteritis nodosa. Khan AS, et al. **J Assoc Physicians India** 1984 Jul;32(7):602-4

Renal complications of polyarteritis nodosa: CT findings. Hekali P, et al. **J Comput Assist Tomogr** 1985 Mar-Apr; 9(2):333-8

Renal artery occlusion in PAN. Templeton PA, et al. **Radiology** 1985 Aug;156(2):308

[Clinical and pulmonary manifestations of polyarteritis nodosa: report of 4 cases and review of the literature] Yang JY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Dec;7(6):356-8, 383 (Eng. Abstr.) **(Chi)**

RADIONUCLIDE IMAGING

Unusual cholescintigraphic findings in polyarteritis nodosa. Amir R, et al. **Clin Nucl Med** 1984 Oct;9(10):585-7

SURGERY

Chronic cutaneous polyarteritis nodosa simulating recurrent thrombophlebitis. Zimran A, et al. **Isr J Med Sci** 1985 Feb; 21(2):154-6

Surgical aspects of systemic necrotizing vasculitis. McCauley RL, et al. **Surgery** 1985 Jan;97(1):104-10

[Panarteritis nodosa of the stomach] Papsdorf H, et al. **Zentralbl Chir** 1985;110(1):40-2 **(Ger)**

PERIARTHRITIS

Frozen shoulder [editorial] **Lancet** 1985 Jan 12;1(8420):87-8

CLASSIFICATION

Time for a new name for 'frozen shoulder' [editorial] Bunker TD. **Br Med J [Clin Res]** 1985 Apr 27;290(6477):1233-4

DIAGNOSIS

[Humeroscapular periarthritis as a main symptom of gout] Brauer W. **Radiol Diagn (Berl)** 1984;25(5):569-72 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

The efficacy of flurbiprofen versus piroxicam in the treatment of acute soft tissue rheumatism. Rosenthal M. **Curr Med Res Opin** 1984;9(5):304-9

Double-blind comparison of piroxicam and indomethacin in the treatment of cervicobrachial syndrome and periarthritis scapulohumeralis (stiff shoulder). Yamamoto M, et al. **Eur J Rheumatol Inflamm** 1983;6(3):266-73

[The treatment of humeroscapular periarthritis with pirprofen. Interindividual double-blind study with ambulatory patients] Taller AJ. **Fortschr Med** 1985 Feb 26;103(7A):197-9 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Quantitative histologic studies on the pathogenesis of periarticular osteoporosis in rheumatoid arthritis. Shimizu S, et al. **Arthritis Rheum** 1985 Jan;28(1):25-31

RADIOGRAPHY

Adhesive capsulitis of the hip and ankle. Griffiths HJ, et al. **AJR** 1985 Jan;144(1):101-5

Acute calcific periarthritis in a child. Mercer NS, et al. **J Hand Surg [Br]** 1984 Oct;9(3):351-2

RADIOTHERAPY

[The question of radiation exposure of the cervical spine in analgesic roentgen irradiation of therapy-resistant humero-scapular periarthritis associated with local cervical syndrome and/or cervicobrachial syndrome] Hoenle R. **Strahlentherapie** 1985 Aug;161(8):498-501 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Medical, physical and rehabilitative treatment in a case load of 250 patients affected by scapulo-humeral periarthritis] Schieroni MP, et al. **Minerva Med** 1985 May 12; 76(19-20):941-3 (Eng. Abstr.) **(Ita)**

SURGERY

[Injuries of the supraspinatus muscle within the structure of humeroscapular periarthroses and their surgical treatment] Abdrakhmanov AZh, et al. **Zh Nevropatol Psikhiatr** 1984; 84(8):1163-8 (Eng. Abstr.) **(Rus)**

THERAPY

[Radioguided puncture-infiltration in the treatment of refractory calcifying periarthritis of shoulders] Moutounet J, et al. **J Radiol** 1984 Aug-Sep;65(8-9):569-72 (Eng. Abstr.) **(Fre)**

[A rare case of calcified periarthritis of the hand] Pisetti A, et al. **Chir Ital** 1984 Jun;36(3):461-2 (Eng. Abstr.) **(Ita)**

PERICARDIAL EFFUSION

see related
CARDIAC TAMPONADE

Incidence and significance of early pericardial effusions after cardiac surgery. Stevenson LW, et al. **Am J Cardiol** 1984 Oct 1;54(7):848-51

[Associated septal and intrapericardial rupture of the heart in the acute phase of myocardial infarction. Apropos of a case surgically treated with success] Couetil JP, et al. **Arch Mal Coeur** 1984 Aug;77(8):965-8 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Constrictive pericarditis after myocardial infarction. Sequela of anticoagulant-induced hemopericardium. Karim AH, et al. **Am J Med** 1985 Sep;79(3):389-90

Pneumonitis with pleural and pericardial effusion and neuropathy during amiodarone therapy. Clarke B, et al. **Int J Cardiol** 1985 May;8(1):81-8

Pericardial pseudoeffusion due to steroid-induced lipomatosis. Mulrow CD, et al. **NC Med J** 1985 Mar; 46(3):179-80

COMPLICATIONS

Constrictive pericarditis secondary to primary chylopericardium. Morishita Y, et al. **Am Heart J** 1985 Feb;109(2):373-5

Non-Hodgkin's lymphoma presenting as malignant pericardial effusion and cardiac tamponade. Almagro UA, et al. **Hum Pathol** 1985 Mar;16(3):315-7

Conservative management of amoebic liver abscess complicated by pericardial extension. A case report. Maharaj B, et al. **S Afr Med J** 1985 Aug 3;68(3):189

[Unusual case of perforation of a liver abscess to the pericardial sac with favorable outcome] Kuźniar J, et al. **Wiad Lek** 1984 Nov 15;37(22):1787-90 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Pseudoposterior pericardial effusion due to enlarged left atrium. Chen CC, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):1044-6

Clotted hemopericardium post myocardial infarction presenting as effusive constrictive pericarditis. Low RI, et al. **Am Heart J** 1985 Apr;109(4):905-8

Subdiaphragmatic fluid mimicking loculated pericardial effusion on echocardiography. Bream R, et al. **Am J Cardiol** 1984 Dec 1;54(10):1388-9

Fetal pericardial fluid [letter] Yagel S, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):721-2

Use of a monoclonal antibody (B72.3) as an immunocytochemical adjunct to diagnosis of adenocarcinoma in human effusions. Johnston WW, et al. **Cancer Res** 1985 Apr;45(4):1894-900

Silent pericardial effusion in late pregnancy: a new entity. Haiat R, et al. **Cardiovasc Intervent Radiol** 1984;7(6):267-9

Close encounters with the 'outer space'. Shah KD. **Indian Heart J** 1985 Mar-Apr;37(2):131-4

Pericardial mesothelioma masquerading as a benign pericardial effusion. Coplan NL, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1307-10

Detection of intrapericardial hematoma after open heart surgery: the roles of echocardiography and computed tomography. Fyke FE 3d, et al. **J Am Coll Cardiol** 1985 Jun;5(6):1496-9

Echocardiographic manifestations of tense pericardial effusion. Naggar CZ, et al. **J Am Coll Cardiol** 1985 Aug; 6(2):467-70

Echocardiographic diagnosis of clotted hemopericardium compressing the right atrium. Chen CC, et al. **JCU** 1984 Nov-Dec;12(9):572-4

[Our experience of the detection of latent pericardial effusions in the 3d trimester of pregnancy] Vitse M, et al. **Rev Fr Gynecol Obstet** 1984 Dec;79(12):765-9 (Eng. Abstr.) **(Fre)**

[Contribution of echocardiography to the study of the myxedematous heart] Brigui M, et al. **Tunis Med** 1985 Mar; 63(3):189-96 (Eng. Abstr.) **(Fre)**

[Pericardial tamponade as a presenting symptom in cancer] Sommer I, et al. **Harefuah** 1985 Apr 1;108(7):341-2 (Eng. Abstr.) **(Heb)**

[2-dimensional echocardiography in the evaluation of pericardial pathology: new prospects for its differential diagnosis] Lestuzzi C, et al. **G Ital Cardiol** 1985 Mar; 15(3):310-8 (Eng. Abstr.) **(Ita)**

[Extra echo spaces: what do they represent?] Wada T. **J Cardiogr** 1984;14 Suppl 1:97-113 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Undrained bloody pericardial effusion in the early postoperative period after coronary bypass surgery: a prospective blood pool study. Viquerat CE, et al. **Am Heart J** 1985 Aug;110(2):335-41

Frequency of pericardial effusion as determined by M-mode echocardiography in acute myocardial infarction. Kaplan K, et al. **Am J Cardiol** 1985 Feb 1;55(4):335-7

Serous effusions in monocytic leukaemias. Mufti GJ, et al. **Br J Haematol** 1984 Nov;58(3):547-52

Cardiac involvement in progressive polyarthritis--an echocardiographic study. Kozáková M, et al. **Cor Vasa** 1985;27(1):54-9

Isolated chylopericardium due to lymphangiomatous dysplasia of the thymus. de Haan HP, et al. **Eur Heart J** 1984 Oct;5(10):846-9

A problem that should not have happened. Murray BJ. **Hosp Pract [Off]** 1985 Jan 15;20(1):72-3, 76

Associated superior vena cava syndrome and pericardial effusion in bronchogenic carcinoma. Report of two cases. Olislagers-De Slegte RG, et al. **J Belge Radiol** 1984; 67(2):121-7

Demonstration of electrical and mechanical alternans in malignant pericardial effusion with 2-D echocardiography. Ratib O, et al. **JCU** 1984 Oct;12(8):501-4

Chylopericardium: a rare cause of pericardial effusion. Fruehwald C, et al. **Lymphology** 1984 Sep;17(3):89-94

Delayed postoperative bloody pericardial effusion. Wickstrom PH, et al. **Minn Med** 1985 Jan;68(1):19-22

Asymptomatic pericardial effusion in uremic patients: effect of long-term dialysis. Frommer JP, et al. **Nephron** 1985; 39(4):296-301

[A case of pleuropericarditis preceding acute lymphoblastic leukemia] Zitouna M, et al. **Tunis Med** 1984 Mar-Apr; 62(2):153-5 (Eng. Abstr.) **(Fre)**

[Pericardial effusions after heart surgery. Incidence and clinical sequelae] Reifart N, et al. **Dtsch Med Wochenschr** 1985 Aug 2;110(31-32):1191-4 (Eng. Abstr.) **(Ger)**

[Exudative pericarditis as a rare complication of pancreatic pseudocyst] Márk Z, et al. **Orv Hetil** 1985 Apr 28; 126(17):1041-3 (Eng. Abstr.) **(Hun)**

[Late postoperative pericardial effusion. Incidence and risk factors] Possati F, et al. **Minerva Cardioangiol** 1984 Dec; 32(12):923-8 (Eng. Abstr.) **(Ita)**

[A case of granulocytic sarcoma with near tetraploidy and pleural and pericardial effusions as initial manifestations] Kusaka H, et al. **Nippon Naika Gakkai Zasshi** 1984 Aug; 73(8):1170-6 **(Jpn)**

[Pleuropericardial effusion as the initial manifestation of malignant thymoma (letter)] Rodríguez López I, et al. **Med Clin (Barc)** 1985 Mar 9;84(9):377-8 **(Spa)**

METABOLISM

Pericardial mesothelioma: hyaluronic acid in pericardial fluid. Takeda K, et al. **Am Heart J** 1985 Aug;110(2):486-8

PATHOLOGY

Pleural and pericardial effusions in cancer patients. McKenna RJ Jr, et al. **Curr Probl Cancer** 1985 Jun;9(6):1-44 (112 ref.)

Cross-sectional echocardiographic findings in a patient with pyogenic pericardial effusion and cardiac tamponade. Brown AK, et al. **Eur Heart J** 1985 Apr;6(4):365-7

Hemorrhagic cardiac tamponade: a clinicopathologic correlation. Olson LJ, et al. **Mayo Clin Proc** 1984 Nov; 59(11):785-90

PHYSIOPATHOLOGY

Effects of pericardial effusates of various conductivities on body-surface potentials in dogs. Documentation of the eccentric spheres model. Kramer DA, et al. **Circ Res** 1984 Dec;55(6):788-93

RADIONUCLIDE IMAGING

Two cases of primary isolated chylopericardium diagnosed by oral administration of 131I-triolein. Hamanaka D, et al. **Radiat Med** 1983 Jan-Mar;1(1):65-9

SURGERY

Pericardiocentesis in patients with and without incipient cardiac tamponade due to pericardial effusion. An easy and safe bedside approach. Kelbaek H, et al. **Acta Med Scand** 1985;217(3):289-92

RV dilation following pericardiocentesis [letter] Viquerat CE. **Am Heart J** 1984 Dec;108(6):1586

Two-dimensional echocardiographically guided pericardiocentesis: experience in 117 consecutive patients. Callahan JA, et al. **Am J Cardiol** 1985 Feb 1;55(4):476-9

Emergency subxiphoid pericardial decompression for malignant pericardial effusion. Osuch JR, et al. **Am Surg** 1985 Jun;51(6):298-300

Superior vena cava syndrome and pulmonary artery catheterization. McGrath RB, et al. **Crit Care Med** 1985 Aug;13(8):690-1

Surgical management of uraemic pericardial effusion with tamponade. Muralidharan S, et al. **Indian J Chest Dis Allied Sci** 1983 Oct-Dec;25(4):270-2

Clinical experience with subxyphoid pericardial decompression. Ghosh SC, et al. **Int Surg** 1985 Jan-Mar; 70(1):5-7

Pericardiocentesis-induced intrapericardial thrombus: visualization of thrombus formation and spontaneous internal lysis by two-dimensional echocardiography. Calabrese P, et al. **JCU** 1985 Jan;13(1):49-51

Drainage of pericardial effusions using the peritoneal and pericardial window technique. Dabir R, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):485-6

Left subcostal approach to the pericardium. Steiger Z, et al. **Surg Gynecol Obstet** 1985 May;160(5):414-6

Operation for diagnosis and treatment of pericardial effusions.

Little AG, et al. **Surgery** 1984 Oct;96(4):738–44

THERAPY

Diagnosis and treatment of malignant pericardial effusion: the subxiphoid approach. Berman K, et al. **Conn Med** 1984 Nov;48(11):701–2

[Pericardiocentesis: a safe drainage method for subacute heart tamponade] Jansen EW, et al. **Ned Tijdschr Geneeskd** 1985 Jun 22;129(25):1190–2 (Eng. Abstr.) **(Dut)**

[Puncture and drainage of the pericardium using pigtail catheters (letter)] Effert S. **Dtsch Med Wochenschr** 1984 Nov 2;109(44):1704 **(Ger)**

[Drainage of neoplastic pleuropericardial effusion (letter)] Cantó Armengod A, et al. **Med Clin (Barc)** 1985 Jun 1; 85(1):38–9 **(Spa)**

[Pericardial window. Diagnostic and therapeutic effectiveness in chronic pericardial effusion and pericardial tamponade] Rivas JJ, et al. **Med Clin (Barc)** 1985 Jan 26; 84(3):102–3 (Eng. Abstr.) **(Spa)**

VETERINARY

Idiopathic hemorrhagic pericardial effusion in eight dogs. Berg RJ, et al. **J Am Vet Med Assoc** 1984 Nov 1; 185(9):988–92

PERICARDITIS

Tuberculous pericarditis in Transkei. Strang JI. **Clin Cardiol** 1984 Dec;7(12):667–70

COMPLICATIONS

An unusual presentation of a case of staphylococcal pericarditis during pregnancy. Valenzuela GJ, et al. **Am J Obstet Gynecol** 1985 Mar 15;151(6):752–3

Pericarditis and the sick sinus syndrome [letter] Spodick DH. **Arch Intern Med** 1985 Oct;145(10):1930

Acute myocardial infarction with normal coronary arteries--viral myopericarditis and possible coronary vasospasm. A case report. Diamond TH, et al. **S Afr Med J** 1985 Jun 1;67(22):892–4

Cardiac tamponade due to Lancefield group A beta haemolytic streptococcal pericarditis. Vigneswaran WT, et al. **Thorax** 1985 Jul;40(7):549–50

[Pasteurella multocida septicemia associated with pleuritis and pericarditis] Unoki T, et al. **Kansenshogaku Zasshi** 1984 Apr;58(4):327–32 (Eng. Abstr.) **(Jpn)**

[Cardiac insufficiency as a sequela of pericardial diseases] Mihail A, et al. **Rev Med Interna [Med Interna]** 1984 Sep–Oct;36(5):425–32 (Eng. Abstr.) **(Rum)**

[Acute idiopathic pericarditis and bradycardia] Turabian JL, et al. **Rev Clin Esp** 1984 Jul 15–31;174(1–2):49–51 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cardiac involvement in coxsackie virus infection. Krishnan NR, et al. **Indian Heart J** 1985 Jan–Feb;37(1):13–7

Pyo-pericarditis in children. Rane HS, et al. **Indian J Pediatr** 1984 May–Jun;51(410):305–8

Septal myocardial abscess and infectious pericarditis in a case of bacterial endocarditis. Arita M, et al. **Jpn Circ J** 1985 Apr;49(4):451–5

Hepatic outflow obstruction [letter] Ghanem AN, et al. **Lancet** 1985 Sep 21;2(8456):675

Infarction-associated pericarditis. Rarity of diagnostic electrocardiogram. Krainin FM, et al. **N Engl J Med** 1984 Nov 8;311(19):1211–4

Sequential study of echocardiographic changes in purulent pericarditis. Björkhem G, et al. **Pediatr Cardiol** 1984; 5(4):317–21

Severe pericarditis as a presenting sign of bronchogenic carcinoma. Danova M, et al. **Tumori** 1985 Feb 28;71(1):81–4

[Clinical aspects of acute non-specific pericarditis] Bartram R, et al. **Ugeskr Laeger** 1985 Apr 29;147(18):1464–6 (Eng. Abstr.) **(Dan)**

[Purulent pericarditis in children] Shehadeh N, et al. **Harefuah** 1984 Dec 2;107(11):326–8 (Eng. Abstr.) **(Heb)**

[Pericarditis in rheumatoid arthritis patients and its relation to the clinical signs of the disease] Nemchinov EN, et al. **Revmatologiia (Moskva)** 1985 Jan–Mar;(1):14–9 (Eng. Abstr.) **(Rus)**

[Echocardiographic findings in pericarditis] Zečević D, et al. **Med Pregl** 1984;37(9–10):427–30 (Eng. Abstr.) **(Scr)**

[The value of noninvasive diagnostic methods in the diagnosis of particular forms of pericarditis] Zečević D, et al. **Med Pregl** 1984;37(9–10):381–6 (Eng. Abstr.) **(Scr)**

[Pericardial window. Diagnostic and therapeutic effectiveness in chronic pericardial effusion and pericardial tamponade] Rivas JJ, et al. **Med Clin (Barc)** 1985 Jan 26; 84(3):102–3 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Ventricular septal rupture during ibuprofen therapy for pericarditis after acute myocardial infarction. Boden WE, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1631–2

Ampicillin-resistant Haemophilus influenzae epiglottitis and pericarditis in an adult [letter] Mier A, et al. **Lancet** 1984 Oct 6;2(8406):817

ETIOLOGY

Campylobacter bacteraemia. Report of 2 cases and review of the literature. Verresen L, et al. **Acta Clin Belg** 1985; 40(2):99–104

Brucella melitensis pericarditis. Ugartemendía MC, et al. **Am Heart J** 1985 May;109(5 Pt 1):1108

Aspergillus fumigatus thrombi causing total occlusion of both coronary arterial ostia, all four major epicardial coronary arteries and coronary sinus and associated with purulent pericarditis. Ross EM, et al. **Am J Cardiol** 1985 Sep 1; 56(7):499–500

Acute pericarditis after percutaneous transluminal coronary angioplasty. Slack JD, et al. **Am J Cardiol** 1985 Mar 1; 55(6):843–4

Ocular and pericardial involvement in Legionnaires' disease. Friedland L, et al. **Am J Med** 1984 Dec;77(6):1105–7

Generalised Coxsackie A9 infection in a neonate presenting with pericarditis. Talsma M, et al. **Br Heart J** 1984 Dec; 52(6):683–5

Postmyocardial infarction syndrome [editorial] Timmis AD. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):636–7

Survival of an extensively burned infant following purulent pericarditis. Nakamura K, et al. **Burns [illegible]cl Therm Inj** 1985 Feb;11(3):202–6

Symptomatic radiation-induced pericarditis in Hodgkin's disease. Mill WB, et al. **Int J Radiat Oncol Biol Phys** 1984 Nov;10(11):2061–5

Purulent pericarditis caused by Staphylococcus aureus in two patients undergoing haemodialysis. Makó J, et al. **Int Urol Nephrol** 1985;17(1):79–83

Recurrent pericarditis and celiac disease. Laine LA, et al. **JAMA** 1984 Dec 14;252(22):3168

Infarction-associated pericarditis [letter] **N Engl J Med** 1985 Feb 28;312(9):584–5

Pericarditis associated with Crohn's disease. Price WA, et al. **Ohio State Med J** 1985 Jun;81(6):429–31

Scleritis, pericarditis, and aortic insufficiency in a patient with rheumatoid arthritis. Kleiner RC, et al. **Ophthalmology** 1984 Aug;91(8):941–6

Crohn's disease and pericarditis. Manomohan V, et al. **Postgrad Med J** 1984 Oct;60(708):682–4

Primary meningococcal pericarditis: a disease of adults associated with serogroup C Neisseria meningitidis. Blaser MJ, et al. **Rev Infect Dis** 1984 Sep–Oct;6(5):625–32 (29 ref.)

Purulent pericarditis following myocardial infarction. O'Neill D, et al. **Scott Med J** 1984 Jul;29(3):191–2

Mycobacterium kansasii pericarditis. Palmer JA, et al. **Thorax** 1984 Nov;39(11):876–7

[Pleuromediastinal complications of cervical phlegmon caused by anaerobic germs of dental or ORL origin] Levasseur P, et al. **Ann Chir** 1984 Oct;38(7):567–71 (Eng. Abstr.) **(Fre)**

[Pericarditis after radiotherapy for breast cancer] Habrand JL, et al. **Bull Cancer (Paris)** 1985;72(1):52–4 **(Fre)**

[Pericarditis disclosing primary biliary cirrhosis (letter)] Ducloux G, et al. **Presse Med** 1985 Jan 26;14(3):161–2 **(Fre)**

[A case of purulent pericarditis in septicemia] Ezzar T, et al. **Tunis Med** 1984 Sep;62(5):373–5 (Eng. Abstr.) **(Fre)**

[Rheumatoid body cavity effusions in chronic polyarthritis. 5 cases with special reference to cytopathology] Spieler P, et al. **Schweiz Med Wochenschr** 1984 Aug 18; 114(33):1110–7 (Eng. Abstr.) **(Ger)**

[Salmonella pericarditis] Schiller D, et al. **Harefuah** 1984 Dec 2;107(11):341–2 (Eng. Abstr.) **(Heb)**

[T-cell acute lymphoblastic leukemia associated with leukemic pericarditis, presenting t (5; 12) chromosome abnormality] Inazawa J, et al. **Rinsho Ketsueki** 1985 Mar; 26(3):411–6 (Eng. Abstr.) **(Jpn)**

[Pericardiac, pleural and pulmonary complications in acute myocardial infarct] Vlaicu R, et al. **Rev Med Interna [Med Interna]** 1985 Mar–Apr;37(2):97–104 (Eng. Abstr.) **(Rum)**

[Purulent pericarditis in a patient with an abscess in the left lobe of the liver in the subphrenic area] Kalimanovska D, et al. **Srp Arh Celok Lek** 1984 Jun;112(6):717–23 (Eng. Abstr.) **(Scc)**

[Hepatic amebiasis with perforation of the pericardium] Orihuela-Chávez OE, et al. **Bol Med Hosp Infant Mex** 1984 Nov;41(11):626–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Reverse radioimmunoassays of IgM and IgG antibodies to Coxsackie B viruses in patients with acute myopericarditis. Frisk G, et al. **J Med Virol** 1984;14(3):191–200

[HLA and acute pericarditis] Bartram R, et al. **Ugeskr Laeger** 1985 Apr 29;147(18):1467–8 (Eng. Abstr.) **(Dan)**

MICROBIOLOGY

Pericarditis associated with Salmonella [letter] Buchta RM. **J Adolesc Health Care** 1984 Oct;5(4):294

Purulent pericarditis and mediastinitis due to Peptococcus magnus. Phelps R, et al. **JAMA** 1985 Aug 16;254(7):947–8

[Purulent pericarditis caused by Campylobacter fetus ssp fetus (letter)] Gully C, et al. **Presse Med** 1985 Mar 2; 14(9):548 **(Fre)**

[Pleuropericarditis caused by Mycoplasma pneumoniae (letter)] López Vivancos J, et al. **Med Clin (Barc)** 1984 Nov 17;83(16):694 **(Spa)**

OCCURRENCE

[The observation on infective endocarditis, myocarditis and pericarditis in infancy and childhood in Japan] Izumi Y. **Kansenshogaku Zasshi** 1984 May;58(5):400–7 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Cross-sectional echocardiographic findings in a patient with pyogenic pericardial effusion and cardiac tamponade. Brown AK, et al. **Eur Heart J** 1985 Apr;6(4):365–7

PHYSIOPATHOLOGY

Adhesive pericarditis with unusual systolic click. Linsenmeyer GJ, et al. **Am Heart J** 1984 Oct;108(4 Pt 1):1062–3

[Electric signs of experimental pericarditis] Medrano GA, et al. **Arch Inst Cardiol Mex** 1985 Jan–Feb;55(1):7–14 (Eng. Abstr.) **(Spa)**

PERICARDITIS, CONSTRICTIVE

COMPLICATIONS

Right ventricular outflow obstruction caused by constrictive pericardial disease. Nishimura RA, et al. **Am J Cardiol** 1985 May 1;55(11):1447–8

Right ventricular outflow obstructions due to a fibrocalcified pericardial band. Tartarini G, et al. **J Nucl Med Allied Sci** 1984 Jan–Mar;28(1):47–52

Transudative ascites with a high protein content. Case reports. Di Bisceglie AM, et al. **S Afr Med J** 1985 Jun 8;67(23):941–2

[A case of right atrial thrombus associated with constrictive pericarditis] Akiyama K, et al. **Rinsho Kyobu Geka** 1984 Sep;4(5):607–12 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Echocardiographic changes in rapidly developing pericardial constriction. Come PC, et al. **Am Heart J** 1985 Jun; 109(6):1385–7

Clotted hemopericardium post myocardial infarction presenting as effusive constrictive pericarditis. Low RI, et al. **Am Heart J** 1985 Apr;109(4):905–8

Right ventricular myocardial contusion simulating constrictive pericardial disease. Ruder MA, et al. **Am Heart J** 1984 Nov;108(5):1353–4

The role of echocardiography and computed tomography in the evaluation of constrictive pericarditis. Sutton FJ, et al. **Am Heart J** 1985 Feb;109(2):350–5

Diagnosis of constrictive pericarditis by pulsed Doppler echocardiography. Agatston AS, et al. **Am J Cardiol** 1984 Oct 1;54(7):929–30

Magnetic resonance imaging of constrictive pericardial disease. Soulen RL, et al. **Am J Cardiol** 1985 Feb 1; 55(4):480–4

Close encounters with the 'outer space'. Shah KD. **Indian Heart J** 1985 Mar–Apr;37(2):131–4

'Atrial systolic notch' and 'early diastolic notch' on the interventricular septal echogram in constrictive pericarditis [letter] Candell-Riera J, et al. **J Am Coll Cardiol** 1985 Apr; 5(4):1020–1

Diagnosis of constrictive pericarditis by two-dimensional echocardiography: studies in a new experimental model and in patients. Pandian NG, et al. **J Am Coll Cardiol** 1984 Dec;4(6):1164–73

Mechanocardiographic findings in pericardial constriction. Tavel ME, et al. **J Cardiogr** 1984 Oct;14 Suppl 5:3–8

Constrictive pericarditis: assessment of current diagnostic procedures. Nishimura RA, et al. **Mayo Clin Proc** 1985 Jun;60(6):397–401

[2-dimensional echocardiography in the evaluation of pericardial pathology: new prospects for its differential diagnosis] Lestuzzi C, et al. **G Ital Cardiol** 1985 Mar; 15(3):310–8 (Eng. Abstr.) **(Ita)**

[Non-invasive diagnosis of constrictive pericarditis] Cisotto P, et al. **Minerva Cardioangiol** 1985 Jan–Feb;33(1–2):13–8 (Eng. Abstr.) **(Ita)**

[Constrictive pericarditis] Matsumoto A, et al. **Kokyu To Junkan** 1985 Jun;33(6):745–51 (18 ref.) **(Jpn)**

[Chronic constrictive pericarditis. Importance of non-invasive complementary tests] Ianni BM, et al. **Arq Bras Cardiol** 1984 Aug;43(2):87–91 (Eng. Abstr.) **(Por)**

[Echocardiographic diagnosis of constrictive pericarditis] Markhasina IP. **Ter Arkh** 1985;57(4):135–6 **(Rus)**

ETIOLOGY

Constrictive pericarditis following myocardial revascularization: a possible cause of graft occlusion. Kabbani SS, et al. **Am Heart J** 1985 Aug;110(2):493–5

Constrictive pericarditis secondary to primary chylopericardium. Morishita Y, et al. **Am Heart J** 1985 Feb;109(2):373–5

Constrictive pericarditis late after the Beck operation. Fraker TD Jr, et al. **Am J Cardiol** 1984 Oct 1;54(7):931

Constrictive pericarditis as a late complication of meningococcal pericarditis. Nichols DA, et al. **Am J Cardiol** 1985 May 1;55(11):1442–3

Constrictive pericarditis after myocardial infarction. Sequela of anticoagulant-induced hemopericardium. Karim AH, et al. **Am J Med** 1985 Sep;79(3):389–90

Legionella pneumophila pericarditis without pneumonia. Nelson DP, et al. **Arch Intern Med** 1985 May;145(5):926

NEWARK PUBLIC LIBRARY

The constricted heart--new concepts on etiology, pathogenesis and function. Paul AT. **Ceylon Med J** 1984 Sep;29(3):119-28

Constrictive calcific pericarditis following coronary arterial bypass surgery. Bewtra C, et al. **Hum Pathol** 1985 May; 16(5):522-5

Severe constrictive pericarditis after single 16 MeV anterior mantle irradiation for Hodgkin's disease. Coltart RS, et al. **Lancet** 1985 Mar 2;1(8427):488-9

[Late chronic constrictive pericarditis following aortic valve replacement] Bensaïd J, et al. **Arch Mal Coeur** 1985 Apr; 78(4):645-8 (Eng. Abstr.) **(Fre)**

[Constrictive pericarditis as a late complication of heart operations] Bubenheimer P, et al. **Z Kardiol** 1985 Feb; 74(2):91-8 (Eng. Abstr.) **(Ger)**

[A case of constrictive pericarditis developing 14 years after irradiation of the mediastinum] Shkhvatsabaia LV, et al. **Med Radiol (Mosk)** 1985 Jun;30(6):54-7 **(Rus)**

FAMILIAL & GENETIC

[Constrictive pericarditis and flexion contracture of the hands (Dupuytren)--a syndrome?] Brass H. **Internist (Berlin)** 1984 Sep;25(9):569-70 **(Ger)**

PHYSIOPATHOLOGY

Pulsatile hepatomegaly in constrictive pericarditis. Manga P, et al. **Br Heart J** 1984 Oct;52(4):465-7

The pericardium in health and disease. Boltwood CM Jr, et al. **Curr Probl Cardiol** 1984 Aug;9(5):1-70 (156 ref.)

M-mode echocardiography in constrictive pericarditis. Engel PJ, et al. **J Am Coll Cardiol** 1985 Aug;6(2):471-4

RADIOGRAPHY

Constrictive pericardial disease: prognostic significance of a nonvisualized left ventricular wall. Rienmüller R, et al. **Radiology** 1985 Sep;156(3):753-5

SURGERY

Recurrent cardiac constriction after pericardiectomy. Pick RA, et al. **Arch Intern Med** 1984 Oct;144(10):2061-3

Surgical treatment of constrictive pericarditis: analysis of outcome and diagnostic error. Seifert FC, et al. **Circulation** 1985 Sep;72(3 Pt 2):II264-73

Early and late results of pericardiectomy for constrictive pericarditis. McCaughan BC, et al. **J Thorac Cardiovasc Surg** 1985 Mar;89(3):340-50

Chronic constrictive pericarditis treated with total pericardiectomy. Aagaard MT, et al. **Thorac Cardiovasc Surg** 1984 Oct;32(5):311-4

[Pericardiectomy in constrictive pericarditis] Fosse E, et al. **Tidsskr Nor Laegeforen** 1985 May 30;105(15):1055-7 (Eng. Abstr.) **(Nor)**

PERICARDITIS, TUBERCULOUS see under **TUBERCULOSIS, CARDIOVASCULAR**

PERICARDIUM

Spontaneous resolution of a pericardial cyst. Kruger SR, et al. **Am Heart J** 1985 Jun;109(6):1390-1

RV dilation following pericardiocentesis [letter] Viquerat CE. **Am Heart J** 1984 Dec;108(6):1586

Infusion of blood from pericardial sac into femoral vein: a technique for survival until operative closure of a cardiac perforation during balloon septostomy. Moore JW, et al. **Am J Cardiol** 1985 Sep 1;56(7):494-5

Primary and secondary tumors of childhood involving the heart, pericardium, and great vessels. A report of 75 cases and review of the literature. Chan HS, et al. **Cancer** 1985 Aug 15;56(4):825-36

Two-dimensional echocardiographic detection of pericardiocentesis-induced intrapericardial thrombus. Lin CS, et al. **Chest** 1984 Nov;86(5):787-9

Adenocarcinoma of the lung presenting with pericardial tamponade: report of a case and review of the literature. Gilbert I, et al. **Heart Lung** 1985 Jan;14(1):83-7

Recurrent cardiac temponade in pericardial mesothelioma. Singh A, et al. **J Assoc Physicians India** 1984 Sep; 32(9):836-7

Capnocytophaga: a pathogen in immunocompetent hosts [letter] Matlow A, et al. **J Infect Dis** 1985 Jul;152(1):233-4

Pericardial complications in hepatic trauma. Grasberger RC, et al. **J Trauma** 1985 Apr;25(4):322-5

[Pericardial cysts and primary tumors] Xue GX. **Chung Hua Wai Ko Tsa Chih** 1984 Oct;22(10):586-7, 636-7 (Eng. Abstr.) **(Chi)**

[Posttraumatic esophagopericardial fistula] Strohl D, et al. **J Radiol** 1984 Apr;65(4):289-91 (Eng. Abstr.) **(Fre)**

[Pericardial hydatid cyst and acute myocardial infarct] Ispas R, et al. **Rev Med Interna [Med Interna]** 1984 May-Jun; 36(3):283-7 (Eng. Abstr.) **(Rum)**

[Rare case of rheumatic heart valve disease combined with pericardial mesothelioma in a 28-year-old patient] Selivanenko VT, et al. **Grudn Khir** 1985 May-Jun;(3):93 **(Rus)**

[Sharp-pointed foreign bodies in the heart and pericardium] Babaev KhB, et al. **Vestn Khir** 1984 Sep;133(9):136-8 (32 ref.) **(Rus)**

ABNORMALITIES

Two-dimensional echocardiography of congenital absence of pericardium. Kansal S, et al. **Am Heart J** 1985 Apr; 109(4):912-5

Congenital absence of the left portion of parietal pericardium demonstrated by nuclear magnetic resonance imaging. Schiavone WA, et al. **Am J Cardiol** 1985 May 1; 55(11):1439-40

Congenital absence of left pericardium in a family. Taysi K, et al. **Am J Med Genet** 1985 May;21(1):77-85

Congenital pericardial defect diagnosed by computed tomography. Salem DN, et al. **Cathet Cardiovasc Diagn** 1985;11(1):75-9

A peculiar extra heart sound after artificial pneumothorax in congenital pericardial defect: a diagnostic clue. Hayashi Y, et al. **Clin Cardiol** 1985 May;8(5):311-3

Close encounters with the 'outer space'. Shah KD. **Indian Heart J** 1985 Mar-Apr;37(2):131-4

Diagnosis of congenital absence of left pericardium by MR imaging. Gutierrez FR, et al. **J Comput Assist Tomogr** 1985 May-Jun;9(3):551-3

[A case of a congenital left pericardial defect associated with bilateral bullous emphysema] Nakamura T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Dec; 22(12):1142-6 (Eng. Abstr.) **(Jpn)**

[Congenital defect of the left pericardium with herniation of the left atrial appendage and part of the left ventricle. Presentation of a case and review of the literature] Moreno F, et al. **Rev Esp Cardiol** 1984 Nov-Dec;37(6):448-52 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

The superior sinus of the pericardium: CT appearance. Aronberg DJ, et al. **Radiology** 1984 Nov;153(2):489-92

CYTOLOGY

Structural and electrophysiological changes in the epicardial border zone of canine myocardial infarcts during infarct healing. Ursell PC, et al. **Circ Res** 1985 Mar;56(3):436-51

IMMUNOLOGY

Production of immunoglobulin and rheumatoid factor by lymphoid cells in rheumatoid pericardium. Spalding DM, et al. **Arthritis Rheum** 1985 Sep;28(9):1071-4

INJURIES

Sudden death associated with pericardial impact [letter] Bass M. **Am J Forensic Med Pathol** 1985 Jun;6(2):185

Perforation of the intrapericardial aorta during subclavian catheterization. Simstein NL, et al. **South Med J** 1984 Dec; 77(12):1605

Traumatic intrapericardial diaphragmatic rupture. Callejas MA, et al. **Thorac Cardiovasc Surg** 1984 Dec;32(6):376-8

[Traumatic rupture of the pericardium complicated by dislocation of the heart] Mathar R. **Ugeskr Laeger** 1984 May 14;146(20):1494-5 (Eng. Abstr.) **(Dan)**

[Emergency therapeutic solutions in cardiopericardial wounds] Caloghera C, et al. **Rev Chir [Chir]** 1984 Jul-Aug; 33(4):271-80 (Eng. Abstr.) **(Rum)**

[Injuries of the heart and pericardium in thoraco-abdominal wounds] Zheltovskiĭ IuV, et al. **Vestn Khir** 1985 Mar; 134(3):79-82 (Eng. Abstr.) **(Rus)**

INNERVATION

Encircling endocardial incision interrupts efferent vagal-induced prolongation of endocardial and epicardial refractoriness in the dog. Chilson DA, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):290-6

METABOLISM

Comparative penetration of cefonicid and cefazolin into the atrial appendage and pericardial fluid of patients undergoing open-heart surgery. Dudley MN, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):347-50

The biochemical changes in pericardial fluid after death. An investigation of the relationship between the time since death and the rise or fall in electrolyte and enzyme concentrations and their possible usefulness in determining the time of death. Balasooriya BA, et al. **Forensic Sci Int** 1984 Oct;26(2):93-102

PARASITOLOGY

[Echinococcosis of the heart and pericardium] Cherveniakov P, et al. **Khirurgiia (Sofiia)** 1984;37(6):458-63 (Eng. Abstr.) **(Bul)**

PATHOLOGY

Reactive mesothelial nodule of the pericardium. Sandhyamani S, et al. **Indian Heart J** 1984 May-Jun; 36(3):169-72

Polypoid tumour of the pericardium--a previously unrecognised macroscopic appearance of metastatic bladder carcinoma. Gibbs JL, et al. **Int J Cardiol** 1985 Jun; 8(2):205-8

Fiber shortening in the inner layers of the left ventricular wall as assessed from epicardial deformation during normoxia and ischemia. Prinzen FW, et al. **J Biomech** 1984; 17(10):801-11

[2-dimensional echocardiography in the evaluation of pericardial pathology: new prospects for its differential diagnosis] Lestuzzi C, et al. **G Ital Cardiol** 1985 Mar; 15(3):310-8 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Effects of coronary and extravascular pressure on intramyocardial and epicardial blood velocity. Chilian WM, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):H170-8

Biaxial mechanical properties of the pericardium in normal and volume overload dogs. Lee MC, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H222-30

Function of the pericardium and pericardioperitoneal canal in elasmobranch fishes. Shabetai R, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):H198-207

Mechanical properties of human pericardium. Differences in viscoelastic response when compared with canine pericardium. Lee JM, et al. **Circ Res** 1985 Sep;57(3):475-81

Comments on 'Effects of pericardial effusates of various conductivities on body-surface potential in dogs: documentation of the eccentric spheres model' [letter] Spodick DH. **Circ Res** 1985 Jun;56(6):904-5

Assessment of pericardial constraint in dogs. Smiseth OA, et al. **Circulation** 1985 Jan;71(1):158-64

Use of the finite element method to determine epicardial from body surface potentials under a realistic torso model. Yamashita Y, et al. **IEEE Trans Biomed Eng** 1984 Sep; 31(9):611-21

PHYSIOPATHOLOGY

The effects of premature stimulation of the His bundle on epicardial activation and body surface late potentials in dogs susceptible to sustained ventricular tachyarrhythmias. Spear JF, et al. **Circulation** 1985 Jul;72(1):214-24

The pericardium in health and disease. Boltwood CM Jr, et al. **Curr Probl Cardiol** 1984 Aug;9(5):1-70 (156 ref.)

On-line epicardial mapping of intraoperative ventricular arrhythmias: initial clinical experience. Downar E, et al. **J Am Coll Cardiol** 1984 Oct;4(4):703-14

Significance of the pericardium in human subjects: effects on left ventricular volume, pressure and ejection. Mangano DT, et al. **J Am Coll Cardiol** 1985 Aug;6(2):290-5

Threshold of pericardial constraint: the pericardial reserve volume and auxiliary pericardial functions. Spodick DH. **J Am Coll Cardiol** 1985 Aug;6(2):296-7

Spatial vectorcardiography in the Wolff-Parkinson-White syndrome: correlation with epicardial mapping findings. Talwar KK, et al. **PACE** 1984 Nov;7(6 Pt 1):979-84

[Postextrasystolic potentiation after total or partial coronary occlusion in dogs] Yamazaki H, et al. **Kokyu To Junkan** 1985 Jun;33(6):799-803 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

CT of the pericardial recesses. Levy-Ravetch M, et al. **AJR** 1985 Apr;144(4):707-14

CT diagnosis of congenital intrapericardial masses. Moncada R, et al. **J Comput Assist Tomogr** 1985 Jan-Feb;9(1):56-9

[Computer tomography diagnosis of cardiac and pericardial space-occupying lesions] Lasek G, et al. **Z Gesamte Inn Med** 1985 May 1;40(9):257-60 (Eng. Abstr.) **(Ger)**

[Computed tomographic observation of the pericardium] Matsuyama S. **J Cardiogr** 1984;14 Suppl 1:95-6 **(Jpn)**

[Computed tomography of the pericardium--normal and abnormal appearances] Sugimoto S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Apr 25; 45(4):591-9 (Eng. Abstr.) **(Jpn)**

[Use of computerized tomography in the examination of the pericardium] Bornakowski J, et al. **Pol Przegl Radiol (Warszawa)** 1984 May-Jun;48(3):151-5 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Detection of occult pericardial hemorrhage early after open-heart surgery using technetium-99m red blood cell radionuclide ventriculography. Bateman TM, et al. **Am Heart J** 1984 Nov;108(5):1198-206

SURGERY

Pericardiocentesis in patients with and without incipient cardiac tamponade due to pericardial effusion. An easy and safe bedside approach. Kelbaek H, et al. **Acta Med Scand** 1985;217(3):289-92

Two-dimensional echocardiographically guided pericardiocentesis: experience in 117 consecutive patients. Callahan JA, et al. **Am J Cardiol** 1985 Feb 1;55(4):476-9

Constrictive pericarditis late after the Beck operation. Fraker TD Jr, et al. **Am J Cardiol** 1984 Oct 1;54(7):931

Subxiphoid pericardial window in traumatic pericardial tamponade. Courcy PA, et al. **Am J Emerg Med** 1984 Mar; 2(2):153-5

Clinical experience with atrial inversion using a Gore-Tex baffle in 52 cases of transposition of the great arteries. Furuta N, et al. **Ann Thorac Surg** 1985 Jul;40(1):50-6

Triple diaphragmatic rupture with disruption of the pericardium: pericardial reconstruction by lyophilized dura allograft. Jüttner F, et al. **Ann Thorac Surg** 1984 Nov; 38(5):526-8

Implantation of pericardial substitutes. Revuelta JM, et al

Ann Thorac Surg 1985 Feb;39(2):190-1

Comparison of effectiveness and safety of operations on the pericardium. Palatianos GM, et al. **Chest** 1985 Jul; 88(1):30-3

Pulmonary edema following pericardiotomy for cardiac tamponade. Shenoy MM, et al. **Chest** 1984 Oct;86(4):647-8

The management of cardiac tamponade in patients with breast cancer. Bitran JD, et al. **J Surg Oncol** 1984 Sep; 27(1):42-4

Late clinical results with the use of heterologous pericardium for closure of the pericardial cavity. Gallo I, et al. **J Thorac Cardiovasc Surg** 1985 May;89(5):709-12

Early and late results of pericardiectomy for constrictive pericarditis. McCaughan BC, et al. **J Thorac Cardiovasc Surg** 1985 Mar;89(3):340-50

Pericardial meshing: an effective method for prevention of pericardial adhesions and epicardial reaction after cardiac operations. Milgalter E, et al. **J Thorac Cardiovasc Surg** 1985 Aug;90(2):281-6

Expanded polytetrafluoroethylene surgical membrane for pericardial closure. An experimental study. Revuelta JM, et al. **J Thorac Cardiovasc Surg** 1985 Mar;89(3):451-5

Inflammatory epicardial reaction to processed bovine pericardium: case report. Skinner JR, et al. **J Thorac Cardiovasc Surg** 1984 Nov;88(5 Pt 1):789-91

Pericardiocentesis-induced intrapericardial thrombus: visualization of thrombus formation and spontaneous internal lysis by two-dimensional echocardiography. Calabrese P, et al. **JCU** 1985 Jan;13(1):49-51

Cardiac tamponade: pericardiocentesis directed by two-dimensional echocardiography. Callahan JA, et al. **Mayo Clin Proc** 1985 May;60(5):344-7

Herniation of the heart. A complication of intrapericardial pneumonectomy. Ginsburg M, et al. **NY State J Med** 1984 Aug;84(8):401-2

Epicardial implantation of the automatic implantable defibrillator by left subcostal thoracotomy. Lawrie GM, et al. **PACE** 1984 Nov;7(6 Pt 2):1370-4

Surgical techniques for implanting the automatic implantable defibrillator. Watkins L Jr, et al. **PACE** 1984 Nov;7(6 Pt 2):1357-62

Modification of the technique of radical intrapericardial pneumonectomy. Bergsland J, et al. **Scand J Thorac Cardiovasc Surg** 1985;19(1):89-92

Drainage of pericardial effusions using the peritoneal and pericardial window technique. Dabir R, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):485-6

Left subcostal approach to the pericardium. Steiger Z, et al. **Surg Gynecol Obstet** 1985 May;160(5):414-6

Chronic constrictive pericarditis treated with total pericardiectomy. Aagaard MT, et al. **Thorac Cardiovasc Surg** 1984 Oct;32(5):311-4

[Serial measurements of C-reactive protein in the diagnosis of the postpericardiotomy syndrome] Gaspardone A, et al. **Boll Soc Ital Cardiol** 1983 Nov;28(11):937-44 (Eng. Abstr.) **(Ita)**

[Pericardiectomy in constrictive pericarditis] Fosse E, et al. **Tidsskr Nor Laegeforen** 1985 May 30;105(15):1055-7 (Eng. Abstr.) **(Nor)**

TRANSPLANTATION

Pericard: a new biomaterial for tympanoplasty. Preliminary report. Pfaltz CR, et al. **Am J Otol** 1985 May;6(3):266-8

Right ventricular outflow tract reconstruction with a bovine pericardial monocusp patch. Long-term clinical and hemodynamic evaluation. Abdulali SA, et al. **J Thorac Cardiovasc Surg** 1985 May;89(5):764-71

Experimental use of a free pericardial patch in the repair of a defect in the esophagus of dogs. Yeoh NT, et al. **Med J Malaysia** 1984 Jun;39(2):127-30

Mineralization of short term pericardial cardiac patch grafts. Frasca P, et al. **Scan Electron Microsc** 1984;(Pt 2):973-7

[The bovine pericardium. A bioprosthesis for the closure of abdominal wall defects in the calf] Becker M, et al. **Schweiz Arch Tierheilkd** 1985 Jun;127(6):379-83 (Eng. Abstr.) **(Ger)**

[Plastic surgery of the pulmonary artery with autopericardium after thrombintimectomy] Savel'ev VS, et al. **Grudn Khir** 1984 Nov-Dec;(6):79-81 **(Rus)**

PERICEMENTITIS see **PERIODONTITIS**

PERICORONITIS

ETIOLOGY

Pericoronitis: a reappraisal of its clinical and microbiologic aspects. Nitzan DW, et al. **J Oral Maxillofac Surg** 1985 Jul;43(7):510-6

MICROBIOLOGY

Differential dark field microscopy of acute ulcerative gingivitis. Case report. Lander PE, et al. **Aust Dent J** 1985 Feb;30(1):33-6

A scanning electron microscopic study on the microflora of chronic pericoronitis of lower third molars. Hurlen B, et al. **Oral Surg Oral Med Oral Pathol** 1984 Nov; 58(5):522-32

PSYCHOLOGY

An evaluation of length and end-phrase of visual analogue scales in dental pain. Seymour RA, et al. **Pain** 1985 Feb; 21(2):177-85

PERIDINIUM see **RED TIDE**

PERILYMPH see under **LABYRINTHINE FLUIDS**

PERIMETRY

The short-term effect of laser trabeculoplasty on the glaucomatous visual field. A prospective study using computerized perimetry. Heijl A, et al. **Acta Ophthalmol (Copenh)** 1984 Oct;62(5):705-14

Rod saturation perimetry. Testing of the cone function with achromatic objects. Elenius V. **Arch Ophthalmol** 1985 Apr; 103(4):519-23

Microcomputer-based testing of proficiency with the visual field examination. Lucas AJ, et al. **J Med Syst** 1984 Aug; 8(4):363-9

Brechner and Whalen's unusual field test adequate? [letter] Patterson IH. **Ophthalmic Surg** 1985 May;16(5):342

Diurnal intraocular pressure. Correlation to automated perimetry. Smith J. **Ophthalmology** 1985 Jul;92(7):858-61

INSTRUMENTATION

The Sharpton C-Thru Tangimeter. A new generation tangent screen. Sharpton WC. **Am J Optom Physiol Opt** 1985 Mar; 62(3):230-1

Computerized perimeters. Taylor KP, et al. **Ann Ophthalmol** 1984 Oct;16(10):915-7

Comparison of manual Goldmann and automated static visual fields using the Dicon 2000 perimeter in the detection of chiasmal tumors. Wirtschafter JD, et al. **Ann Ophthalmol** 1984 Aug;16(8):733-41

Long-term fluctuations versus actual field loss in glaucoma patients. Gloor BP, et al. **Dev Ophthalmol** 1985;12:48-69

What do glaucomatous visual fields really look like in fine-grid computerized profile perimetry? Stürmer J. **Dev Ophthalmol** 1985;12:1-47

Manipulation of sensitivity in visual field investigation. Barnes DA, et al. **Doc Ophthalmol** 1985 Jun 30;59(4):301-8

The prognosis of glaucoma investigated with computerized perimetry. de Natale R, et al. **Doc Ophthalmol** 1984 Dec 15;58(4):385-92

The qualitative comparative analysis of the visual field using computer assisted, semi-automated and manual instrumentation: I. Scoring system. Flanagan JG, et al. **Doc Ophthalmol** 1984 Dec 15;58(4):319-24

The qualitative comparative analysis of the visual field using computer assisted, semi-automated and manual instrumentation: III. Clinical analysis. Flanagan JG, et al. **Doc Ophthalmol** 1984 Dec 15;58(4):341-50

The qualitative comparative analysis of the visual field using computer assisted, semi-automated and manual instrumentation: II. Statistical analysis. Wild JM, et al. **Doc Ophthalmol** 1984 Dec 15;58(4):325-40

Automated perimetry--Part II. Mills RP. **J Am Intraocul Implant Soc** 1984 Fall;10(4):461-9

A clinical comparison of visual field testing with a new automated perimeter, the Humphrey Field Analyzer, and the Goldmann perimeter. Beck RW, et al. **Ophthalmology** 1985 Jan;92(1):77-82

Quantitative office perimetry. Keltner JL, et al. **Ophthalmology** 1985 Jul;92(7):862-72

[New instruments for campimetric retinography] Amalric P. **Bull Acad Natl Med (Paris)** 1984 Oct-Nov;168(7-8):883-9 (Eng. Abstr.) **(Fre)**

[Changes in perimetric defects in chronic open-angle glaucoma studied by automated perimetry (Octopus)] Fontan P, et al. **J Fr Ophtalmol** 1985;8(2):165-71 (Eng. Abstr.) **(Fre)**

[Automated and semiautomated perimetry. Comparative trial of 3 devices (Baylor programmer, Friedmann Mark II campimeter, Octopus 2000 R.)] Pradines F, et al. **J Fr Ophtalmol** 1985;8(2):173-85 (Eng. Abstr.) **(Fre)**

[Dynamic procedure for the quantitative determination of the field of binocular diplopia] Epstein D, et al. **Fortschr Ophthalmol** 1984;81(3):282-4 (Eng. Abstr.) **(Ger)**

[Objective infrared pupillographic measurement of the visual field using a teleoptic TV image analysis procedure] Hennekes R, et al. **Fortschr Ophthalmol** 1984;81(3):280-1 (Eng. Abstr.) **(Ger)**

[Specificity of suprathreshold test methods in automated perimetry] De Natale R, et al. **Klin Monatsbl Augenheilkd** 1985 Feb;186(2):110-3 (Eng. Abstr.) **(Ger)**

[Free static threshold perimetry with the Goldmann perimeter] Fischer FW. **Klin Monatsbl Augenheilkd** 1985 Apr;186(4):310-4 (Eng. Abstr.) **(Ger)**

[Perceptual disorders of the peripheral visual field caused by alcohol. Studies with the automatic Octopus perimeter] Riedel KG, et al. **Klin Monatsbl Augenheilkd** 1985 Apr; 186(4):279-83 (Eng. Abstr.) **(Ger)**

[Normal sensitivity of the central quantitative visual field with fundus photo-perimeter] Hamano K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Nov;88(11):1403-8 (Eng. Abstr.) **(Jpn)**

[Possibilities of automatic perimetry using the computer perimeter 'Perimetron' in the diagnosis of glaucoma] Fedorov SN, et al. **Oftalmol Zh** 1985;(2):88-92 (Eng. Abstr.) **(Rus)**

METHODS

Repeated automatic visual field screening in a cohort study. Bengtsson B. **Acta Ophthalmol (Copenh)** 1985 Apr; 63(2):242-4

Automated differential threshold perimetry for detecting glaucomatous visual field loss. Duggan C, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):420-3

Matched comparison of Goldmann perimetry and automated two-zone suprathreshold Dicon perimetry in open-angle glaucoma. Levy NS, et al. **Ann Ophthalmol** 1985 Apr; 17(4):245-9

A comparison of Peritest automated perimetry and Goldmann perimetry. Hotchkiss ML, et al. **Arch Ophthalmol** 1985 Mar;103(3):397-403

Evaluating visual loss with multi-flash campimetry. Overbury O, et al. **Can J Ophthalmol** 1984 Oct;19(6):255-60

The contribution of spectral increment thresholds to the interpretation of color perimetry. Krastel H, et al. **Dev Ophthalmol** 1984;9:177-81

Detection of Uhthoff's symptom in disseminated sclerosis by the Farnsworth-Munsell 100-hue test and the octopus perimetry. Zrenner E. **Dev Ophthalmol** 1984;9:182-7

Testing of concentric visual field constriction by means of scotopic visually evoked potentials. Petersen J, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(2):66-8

A microcomputer system for spatiotemporal visual receptive field analysis. Mizuno M, et al. **IEEE Trans Biomed Eng** 1985 Jan;32(1):56-60

Comparing continuous and stepwise luminance variation in static campimetry using the Grignolo-Tagliasco-Zingirian projection campimeter. Capris P, et al. **Int Ophthalmol** 1985 Apr;8(1):55-8

Quantification of glaucomatous visual field defects with automated perimetry. Flammer J, et al. **Invest Ophthalmol Vis Sci** 1985 Feb;26(2):176-81

Automated perimetry--Part I. Mills RP. **J Am Intraocul Implant Soc** 1984 Summer;10(3):347-53

Goldmann perimetry at the V. A. Hospital: one year follow-up in 65 glaucoma patients. Zalta AH, et al. **J Arkansas Med Soc** 1984 Sep;81(4):199-202

Color contrast perimetry. The spatial distribution of color defects in optic nerve and retinal diseases. Hart WM Jr, et al. **Ophthalmology** 1985 Jun;92(6):768-76

Automated static perimetry to evaluate diabetic retinopathy. Federman JL, et al. **Trans Am Ophthalmol Soc** 1984; 82:358-70

Acuity perimetry and glaucoma. Phelps CD. **Trans Am Ophthalmol Soc** 1984;82:753-91 (70 ref.)

Evaluating the usefulness in neuro-ophthalmology of visual field examinations peripheral to 30 degrees. Wirtschafter JD, et al. **Trans Am Ophthalmol Soc** 1984;82:329-57

Computer-assisted perimetry in visual pathway disease: neuro-ophthalmic applications. Younge BR. **Trans Am Ophthalmol Soc** 1984;82:899-942

Computerised perimetry. Heijl A. **Trans Ophthalmol Soc UK** 1985;104 (Pt 1):76-87

[Computerized perimetry in glaucoma] Vladyková J, et al. **Cesk Oftalmol** 1984 Jun;40(2-3):120-31 (Eng. Abstr.) **(Cze)**

[Computer-assisted visual fields testing] Charlier J. **Bull Soc Ophtalmol Fr** 1984 Nov;Spec No:61-82 **(Fre)**

[Friedmann's exploration using red light] Ourgaud M, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):639-47 (Eng. Abstr.) **(Fre)**

[Binocular gazing visual field in oculomotor paralysis] Trheil-Maussan M, et al. **Bull Soc Ophtalmol Fr** 1983 Oct; 83(10):1201-4 (Eng. Abstr.) **(Fre)**

[Quantitation of the visual field] Etienne R, et al. **J Fr Ophtalmol** 1984;7(10):627-32 (Eng. Abstr.) **(Fre)**

[Threshold-adjusted supraliminal pattern perimetry with the Goldmann perimeter] Fischer FW. **Klin Monatsbl Augenheilkd** 1984 Sep;185(3):204-11 (Eng. Abstr.) **(Ger)**

[Cyloscopy in uveitis] Pen'kov MA, et al. **Oftalmol Zh** 1985; (3):162-4 (Eng. Abstr.) **(Rus)**

STANDARDS

Quality control of manual visual field examination by computer simulation. Trobe JD, et al. **Ophthalmology** 1984 Nov;91(11):1392-6

PERINATOLOGY

see related
PRENATAL CARE

Do computers help or hinder the clinical evaluation of alternative treatments in perinatal medicine? Grant A. **Am J Perinatol** 1985 Jul;2(3):242-4

Study design in perinatal medicine. Noller KL, et al. **Am J Perinatol** 1985 Jul;2(3):250-5

Defending the malpractice case—fighting back. Part 1. North SE. **Am J Perinatol** 1984 Jul;1(4):363-6

The development of perinatology in Australia. Yu VY. **Aust Paediatr J** 1984 Nov;20(4):277

Promoting perinatal health: is it time for a change of emphasis in research? Chalmers I, et al. **Early Hum Dev** 1985 Jan; 10(3-4):171-91

Progress in perinatal medicine III. 3rd International Berlin Meeting of Perinatal Medicine. 10th and 11th November 1983. Abstracts. **J Perinat Med** 1984;12 Suppl 1:1-100

High-risk obstetrics. The three-year experience of four subspecialists. Cohen AW, et al. **J Reprod Med** 1985 Jun;30(6):472-7

Cesarean section patterns: influence of a perinatology service. Gleicher N, et al. **Mt Sinai J Med (NY)** 1985 Feb;52(2):100-5

EDUCATION

Perinatal outreach education. A continuation strategy for a basic program. Kattwinkel J, et al. **Am J Perinatol** 1984 Jul;1(4):335-40

Perinatal educational programs and perinatal outcomes. Heins HC Jr, et al. **J SC Med Assoc** 1984 Sep;80(9):431-5

Improved perinatal knowledge in community hospitals through a self-instructional program. Heins HC Jr, et al. **South Med J** 1985 Apr;78(4):374-6

HISTORY

The golden years. Presidential address. Mixson WT. **Am J Obstet Gynecol** 1985 Sep 15;153(2):119-23

Advances in fetal medicine. Michejda M. **J Med Primatol** 1983;12(3):117-23

Yesterday and today. Potter EL. **Pediatr Pathol** 1983 Jan-Mar;1(1):1-3

METHODS

Six myths about controlled trials in perinatal medicine. Bryce RL, et al. **Am J Obstet Gynecol** 1985 Mar 15;151(6):707-10

TRENDS

Perinatal pathologist as skeptical inquirer. Silverman WA. **Pediatr Pathol** 1983 Jan-Mar;1(1):5-6

Role of perinatal associations in the 1980s: competitive or cooperative? Morrison JC. **South Med J** 1985 Apr;78(4):371-3

[Neonatal medicine: evolution toward perinatology] Haumont D. **Rev Med Brux** 1985 Mar;6(3):169-73 (Eng. Abstr.) **(Fre)**

[Prenatal care] Goworek A, et al. **Wiad Lek** 1984 Aug 1;37(15):1223-31 **(Pol)**

[Current problems in perinatology] Wilken H, et al. **Akush Ginekol (Mosk)** 1985 Apr;(4):44-5 **(Rus)**

PERINEPHRITIS

COMPLICATIONS

Xanthogranulomatous perinephritis: unusual cause of renal vein and vena caval thrombosis. Mitchell DG, et al. **Urol Radiol** 1985;7(1):35-8

DIAGNOSIS

[Perinephric phlegmon in children. Study of 17 cases] Bennani-Smires C, et al. **Ann Radiol (Paris)** 1984 Nov;27(7):593-9 (Eng. Abstr.) **(Fre)**

PERINEUM

Percutaneous aspiration biopsy in perineal recurrences after abdominoperineal extirpations. Erös A, et al. **Acta Chir Hung** 1985;26(3):145-9

Rectourethroperineal fistula in Crohn's disease. Stamler JS, et al. **Am J Gastroenterol** 1985 Feb;80(2):111-2

Perineal hernias after proctectomy. A new approach to repair. Brotschi E, et al. **Am J Surg** 1985 Feb;149(2):301-5

Chronic perineal pain. Woodhouse CR, et al. **Br J Hosp Med** 1984 Dec;32(6):302-4

Management of chronic perineal sinuses by wide excision and split-thickness skin grafting. McLeod RS, et al. **Can J Surg** 1985 Jul;28(4):315-6, 318

Evidence of pudendal neuropathy in patients with perineal descent and chronic straining at stool. Kiff ES, et al. **Gut** 1984 Nov;25(11):1279-82

A technique to avoid unnecessary perineal reaction [letter] Mead KW. **Int J Radiat Oncol Biol Phys** 1984 Oct;10(10):1995-6

The antiestrogenic effect of clomiphene on perineal tumescence of the baboon in an in vitro fertilization program. Van der Merwe JV, et al. **J In Vitro Fert Embryo Transfer** 1985 Mar;2(1):46-8

Multiple perineal fistulas and bladder carcinoma. Goldberg JA, et al. **J R Coll Surg Edinb** 1985 Apr;30(2):134-5

Perineal healing after panproctocolectomy for inflammatory bowel disease [letter] Munro A, et al. **J R Coll Surg Edinb** 1985 Apr;30(2):139-40

Repair of vaginal prolapse and perineal hernia after pelvic exenteration. Barnhill D, et al. **Obstet Gynecol** 1985 May;65(5):764-6

Antibacterial perineal washing for prevention of recurrent urinary tract infections. Cass AS, et al. **Urology** 1985 May;25(5):492-4

[Endometriosis, predisposition and prevention] Berger LW, et al. **Ned Tijdschr Geneeskd** 1985 Apr 20;129(16):737-40 (Eng. Abstr.) **(Dut)**

[Fistula closure with fibrin glue; correction by the authors (letter)] Bouvy LA. **Ned Tijdschr Geneeskd** 1985 Jan 19;129(3):132 **(Dut)**

[Closure of a fistula using fibrin glue] Bouvy LA, et al. **Ned Tijdschr Geneeskd** 1984 Dec 8;128(49):2306-7 (Eng. Abstr.) **(Dut)**

[Functional reeducation of the perineum by the intermittent static contraction method] Lehmans JM. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(8):903-9 (Eng. Abstr.) **(Fre)**

[CT findings and CT-guided puncture of a perineal cyst] Hannig C, et al. **Rontgenblatter** 1985 Jan;38(1):13-4 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Prenatal perforation of the extraperitoneal part of the rectum, associated with a developmental defect of the pelvic floor. Davies MR, et al. **Z Kinderchir** 1984 Aug;39(4):271-3

[Uterine prolapse in a primigesta] Sepúlveda W, et al. **Rev Chil Obstet Ginecol** 1984;49(2):111-4 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Innervation of the anterior perineal muscles and its morphological consideration. Takahashi M, et al. **Anat Anz** 1985;158(1):65-78

INJURIES

Episiotomy and third-degree tears. Buekens P, et al. **Br J Obstet Gynaecol** 1985 Aug;92(8):820-3

Surgical management of perineal lacerations and rectovestibular fistulae in the mare: a retrospective study of 47 cases. Colbern GT, et al. **J Am Vet Med Assoc** 1985 Feb 1;186(3):265-9

Injuries to birth canal during childbirth. Chakravarty BN. **J Indian Med Assoc** 1984 Oct;82(10):359-63

Genitoperineal injury induced by orthopedic fracture table. Peterson NE. **J Urol** 1985 Oct;134(4):760-1

Perineal muscle function after childbirth. Gordon H, et al. **Lancet** 1985 Jul 20;2(8447):123-5

[Early management of perineal third-degree burn in 18 cases] Zhong DC. **Chung Hua I Hsueh Tsa Chih** 1985 Feb;65(2):110-2 **(Chi)**

[Episiotomy and perineal protection--generally an unnecessary operation and a useless, occasionally risky maneuver?] Presl J. **Cesk Gynekol** 1985 Jun;50(5):380-2 **(Cze)**

[Surgical treatment of injuries and positional changes in the vulvoperineal region of cows] Bostedt H. **Tierarztl Prax** 1985;Suppl 1:26-32 (Eng. Abstr.) **(Ger)**

[Surgical tactics in injuries of the perineum with an extraperitoneal wound of the rectum unassociated with labor] Kanshin NN, et al. **Khirurgiia (Mosk)** 1984 Aug;(8):77-80 (Eng. Abstr.) **(Rus)**

[Multiple wounds of the abdominal organs via the perineum] Kostin AE, et al. **Klin Khir** 1985 May;(5):70 **(Rus)**

INNERVATION

Characteristic distribution of noradrenergic terminals on the anterior horn motoneurons innervating the perineal striated muscles in the rat. An immuno-electromicroscopic study. Kojima M, et al. **Anat Embryol (Berl)** 1985;171(3):267-73

Perineal nerve and transcutaneous spinal stimulation: new methods for investigation of the urethral striated sphincter musculature. Snooks SJ, et al. **Br J Urol** 1984 Aug;56(4):406-9

Perineal nerve damage in genuine stress urinary incontinence. An electrophysiological study. Snooks SJ, et al. **Br J Urol** 1985 Aug;57(4):422-6

Fluorescence histochemical study on the noradrenergic control to the anterior column of the spinal lumbosacral segments of the rat and dog, with special reference to motoneurons innervating the perineal striated muscles (Onuf's nucleus). Kojima M, et al. **Histochemistry** 1984;81(3):237-41

The organization of pudendal motoneurons and primary afferent projections in the spinal cord of the rhesus monkey revealed by horseradish peroxidase. Roppolo JR, et al. **J Comp Neurol** 1985 Apr 22;234(4):475-88

Lamellar arrangement of neuronal somata in the dorsal root ganglion of the cat. Kausz M, et al. **Somatosens Res** 1985;2(3):193-204

MICROBIOLOGY

Effect of antiseptic agents on skin flora of the perineum of men with spinal cord injury. Gilmore DS, et al. **Infect Control** 1984 Sep;5(9):431-4

PATHOLOGY

Extramammary Paget's disease of the perianal and perineal regions. Evidence of apocrine derivation. Merot Y, et al. **Arch Dermatol** 1985 Jun;121(6):750-2

Perineal and bladder necrosis following bilateral internal iliac artery ligation. Report of a case. Andriole GL, et al. **Dis Colon Rectum** 1985 Mar;28(3):183-4

Fournier's gangrene. McGeehan DF, et al. **S Afr Med J** 1984 Nov 10;66(19):734-7

[Rest room dermatitis during immunosuppression] El Baze P, et al. **Ann Dermatol Venereol** 1984;111(8):691-2 **(Fre)**

RADIOGRAPHY

[Colpoperineogram or video colpocystogram and the use of the colpoperineogram] Lemus M, et al. **Rev Chil Obstet Ginecol** 1981;46(5):256-62 (Eng. Abstr.) **(Spa)**

SURGERY

Gluteal thigh flap repair of chronic perineal wounds. Hurwitz DJ, et al. **Am J Surg** 1985 Sep;150(3):386-91

Primary suture of the perineal wound using constant suction and irrigation, following rectal excision for inflammatory bowel disease. Elliot MS, et al. **Ann R Coll Surg Engl** 1985 Jan;67(1):6-7

Primary suture of the perineal wound using constant suction and irrigation, following rectal excision for inflammatory bowel disease [letter] Saha SK. **Ann R Coll Surg Engl** 1985 Jul;67(4):268-9

The rectus abdominis flap for perineal wounds. Shukla HS, et al. **Ann R Coll Surg Engl** 1984 Sep;66(5):337-9

Management of the perineal wound after rectal excision for carcinoma. Maria G, et al. **Int Surg** 1984 Apr-Jun;69(2):167-9

The effect of povidone-iodine irrigation on perineal wound healing following proctectomy for carcinoma. Johnson JN, et al. **J Hosp Infect** 1985 Mar;6 Suppl A:81-6

Perineal healing after panproctocolectomy for inflammatory bowel disease. Irving AD, et al. **J R Coll Surg Edinb** 1984 Sep;29(5):313-5

Delayed urinary fistula following abdominal perineal resection of rectum and anal canal. Ali Khan S, et al. **Urol Int** 1984;39(6):358-60

Effect of abdominal perineal resection on genitourinary tract. Gillespie L, et al. **Urology** 1985 Mar;25(3):259-63

Preservation of periprostatic autonomic nerves during total perineal prostatectomy by intrafascial dissection. Weiss JP, et al. **Urology** 1985 Aug;26(2):160-3

[Thigh fasciocutaneous flap repair of a major perineoscrotal tegumentary avulsion. Apropos of a case] Casey RP, et al. **Ann Chir Plast Esthet** 1985;30(2):175-80 (Eng. Abstr.) **(Fre)**

[Reconstructive surgery of the anoperineal region] Dufourmentel C, et al. **Ann Gastroenterol Hepatol (Paris)** 1984 Oct-Nov;20(5):249-57 (Eng. Abstr.) **(Fre)**

[Vulvoperineoplasty] Paniel BJ, et al. **Presse Med** 1984 Sep 15;13(31):1895-8 (Eng. Abstr.) **(Fre)**

[Treatment of the perineal wound after abdomino-perineal amputation of the rectum] Zanetti PP, et al. **Minerva Chir** 1985 May 15;40(9):639-43 (Eng. Abstr.) **(Ita)**

PERIODIC ACID-SCHIFF REACTION see under **HISTOCYTOCHEMISTRY**

PERIODIC ACIDS

Periodate-lysine-paraformaldehyde as fixative for the study of duodenal mucosa. Morphologic and immunohistochemical results at light and electron microscopic levels. Rantala I, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1985 Jul;93(4):165-73

125I-wheat germ agglutinin blotting: increased sensitivity with polyvinylpyrrolidone quenching and periodate oxidation/reductive phenylamination. Bartles JR, et al. **Anal Biochem** 1984 Jul;140(1):284-92

Modification of the carbohydrate in ricin with metaperiodate-cyanoborohydride mixtures. Effects on toxicity and in vivo distribution. Thorpe PE, et al. **Eur J Biochem** 1985 Feb 15;147(1):197-206

PHARMACODYNAMICS

Oxidative stress of human erythrocytes by iodate and periodate. Reversible formation of aqueous membrane pores due to SH-group oxidation. Heller KB, et al. **Biochim Biophys Acta** 1984 Oct 17;777(1):107-16

Production and partial characterization of interleukin 2 induced by periodic acid oxidation of lymphocyte membranes. Hornicek FJ, et al. **Cell Immunol** 1984 Oct 15;88(2):260-72

Sodium periodate-induced T cell mitogenesis: an analysis of the requirement for Ia and IL 1. Smith LA, et al. **J Immunol** 1985 Aug;135(2):1137-44

The inactivation of thymidylate synthase by periodate. Ivery TC, et al. **J Inorg Biochem** 1984 Dec;22(4):259-70

PHYSIOLOGY

Modulation of the sodium periodate (NaIO4) response in systemic lupus erythematosus (SLE): effect of interleukin-1 (IL-1), interleukin-2 (IL-2), phorbol myristate acetate (PMA), and indomethacin. Phillips R, et al. **Clin Immunol Immunopathol** 1985 Jan;34(1):77-83

PERIODIC DISEASE

BLOOD

Serum amyloid A protein in familial Mediterranean fever. Knecht A, et al. **Ann Intern Med** 1985 Jan;102(1):71-2

Inflammatory reaction in familial Mediterranean fever (FMF) before and with colchicine therapy. Ollier-Hartmann MP, et al. **Biomed Pharmacother** 1984;38(9-10):448-55

Degradation of amyloid A and serum amyloid A by red blood cell haemolysate in patients with familial mediterranean fever. Shainkin-Kestenbaum R, et al. **Eur J Clin Invest** 1984 Oct;14(5):398-401

Circulating hydroxy fatty acids in familial Mediterranean fever. Aisen PS, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1232-6

COMPLICATIONS

Episcleritis associated with familial Mediterranean fever. Scharf J, et al. **Am J Ophthalmol** 1985 Aug 15;100(2):337-9

Henoch-Schönlein purpura and familial Mediterranean fever. Schlesinger M, et al. **Isr J Med Sci** 1985 Jan;21(1):83-5

[Can colchicine cure renal amylosis in periodic disease? (letter)] Lagrue G, et al. **Presse Med** 1984 Nov 10;13(40):2458 **(Fre)**

[The curative effect of colchicine in renal amyloidosis cannot currently be held to have been proven (letter)] Méry JP. **Presse Med** 1984 Nov 3;13(39):2393 **(Fre)**

[Lesions of the gallbladder and biliary tract in periodic disease] Arutiunian VM, et al. **Vrach Delo** 1985 Jan;(1):20-2 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Television fluorescence angiography and image analysis: clinical use with a case example] Körber N, et al. **Klin Monatsbl Augenheilkd** 1985 Feb;186(2):117-20 (Eng. Abstr.) **(Ger)**

[Familial Mediterranean fever] Schindera F, et al. **Monatsschr Kinderheilkd** 1984 Nov;132(11):867-9 (Eng. Abstr.) **(Ger)**

[A case of periodic fever] Oimomi M, et al. **Nippon Naika Gakkai Zasshi** 1985 Mar;74(3):346-50 **(Jpn)**

[Current status of the question of periodic disease] Astvatsatrian VA, et al. **Pediatriia** 1985 Mar;(3):63-8 (41 ref.) **(Rus)**

[Familial Mediterranean fever. Review of 16 cases] López Vivancos J, et al. **Med Clin (Barc)** 1985 Jul 6;85(6):213-6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Remission of progressive renal failure in familial Mediterranean fever during colchicine treatment. Herlin T, et al. **Arch Dis Child** 1985 May;60(5):477-9

The prevention of amyloidosis in familial Mediterranean fever with colchicine. Cabili S, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985;21:709-11

FAMILIAL & GENETIC

[Familial paroxysmal polyserositis. Previously unpublished peritoneal complications. A case] Bitar E, et al. **Presse Med** 1985 Mar 9;14(10):586-8 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Suppressor cell deficiency and elevated circulating immune complexes in familial Mediterranean fever [letter] Schlesinger M, et al. **Clin Exp Rheumatol** 1984 Oct-Dec;2(4):354-5

Familial Mediterranean fever: no linkage with HLA. Schlesinger M, et al. **Tissue Antigens** 1984 Jul;24(1):65-6

[Immunomorphological evaluation of intestinal function in periodic disease patients] Mamikonian RS, et al. **Ter Arkh** 1984;56(10):44-7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[State of the stomach and duodenum in patients with periodic disease] Arutiunian VM. et al. **Klin Med (Mosk)** 1984 Sep;62(9):104-7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Effect of colchicine on the amyloidosis of familial Mediterranean fever] Zemer D, et al. **Harefuah** 1985 Jan 1;108(1):1-2 (Eng. Abstr.) **(Heb)**

RADIOGRAPHY

Protracted temporomandibular joint arthritis in familial Mediterranean fever. Tovi F, et al. **J Oral Maxillofac Surg** 1985 Jun;43(6):466-8

PERIODICALS

American Annals of the Deaf. Purposes and scope of content. Joint Annals Administrative Committee. April, 1984. **Am Ann Deaf** 1985 Apr;130(2):57-9

Duplicate publication: who is at fault? [letter] Leung AK. **Am J Dis Child** 1985 Aug;139(8):746-7

Publication of research presented at the pediatric meetings. Change in selection. McCormick MC, et al. **Am J Dis Child** 1985 Feb;139(2):122-6

Drugman--a computerized supplement to a hospital's drug information newsletter. Mok MP, et al. **Am J Hosp Pharm** 1985 Jul;42(7):1565-7

The SSCI takes a journal. Kohler PO. **Am J Med Sci** 1984 Sep;288(2):57-9

Mother-blaming in major clinical journals. Caplan PJ, et al. **Am J Orthopsychiatry** 1985 Jul;55(3):345-53

The modeling methodology forum: an expanded department. DiStefano JJ 3d. **Am J Physiol** 1985 Mar;248(3 Pt 1):C187-8

Topics in Soviet psychiatry [letter] Ponomareff GL. **Am J Psychiatry** 1985 Feb;142(2):267

Prior publication, an ethical issue [editorial] Yankauer A. **Am J Public Health** 1985 Apr;75(4):341-3

Statistical methods in anesthesia articles: an evaluation of two American journals during two six-month periods. Avram MJ, et al. **Anesth Analg** 1985 Jun;64(6):607-11

Ever more statistics [editorial] Pace NL. **Anesth Analg** 1985 Jun;64(6):561-2

Selected list of books and journals for an anesthesia library. Meranze J, et al. **Anesthesiology** 1985 Jun;62(6):781-5

Methodology reporting in three acute care journals: replication and reliability. Brown CG, et al. **Ann Emerg Med** 1985 Oct;14(10):986-91

Reporting methodology protocols in three acute care journals. Kelen GD, et al. **Ann Emerg Med** 1985 Sep;14(9):880-4

Peer and/or peerless review. Some vagaries of the editorial process. Baue AE. **Arch Surg** 1985 Aug;120(8):885-8

Readership surveys. What can they tell editors and those responsible for dental periodicals. Koehler H. **Br Dent J** 1984 Oct 6;157(7):245-6

An analysis of thirty years of contributions to the British anaesthetic literature (1953-1982). Carnie J, et al. **Br J Anaesth** 1984 Oct;56(10):1171-4

Two cheers for the computer? [letter] Silber SA. **Br Med J [Clin Res]** 1985 Jul 27;291(6490):283-4

Selected list of books and journals for the small medical library. Brandon AN, et al. **Bull Med Libr Assoc** 1985 Apr;73(2):176-205

Selected list of books and journals in allied health sciences. Brandon AN, et al. **Bull Med Libr Assoc** 1984 Oct;72(4):373-91

Journal use in a clinical librarian program. Miller N. **Bull Med Libr Assoc** 1984 Oct;72(4):395-6

Journal article overlap among Index Medicus, Science Citation Index, Biological Abstracts, and Chemical Abstracts. Poyer RK. **Bull Med Libr Assoc** 1984 Oct;72(4):353-7

Writing for publication: barriers and bridges [editorial] Weaver CG. **Bull Med Libr Assoc** 1985 Apr;73(2):213-4

Personal/departmental journal subscriptions: comment [letter] Winter MF. **Bull Med Libr Assoc** 1985 Jan;73(1):71-2

Pharmaceutical advertising in medical journals [letter] Lexchin J. **Can Med Assoc J** 1984 Sep 15;131(6):544-6

Editors gamble on computers: the chips are on the table [editorial] Morgan PP. **Can Med Assoc J** 1985 Jun 1;132(11):1249

Are physicians learning from what they read in journals? Morgan PP. **Can Med Assoc J** 1985 Aug 15;133(4):263

The effect of source on reader perception of handicapping conditions. Baum DD. **Except Child** 1985 Jan;51(4):341-2

Soviet journal 'Medical Geography' and its role in the development of this branch of science. Keller AA. **Geogr Med** 1984;14:65-72

Gerontology Journal Club: a continuing education modality for experienced social workers in an acute hospital setting. Blumenfield S. **Gerontologist** 1985 Feb;25(1):11-4 (40 ref.)

A final word--editorial. Stone GC. **Health Psychol** 1984;3(6):585-9

'Leprosy in India' becomes 'Indian Journal of Leprosy'. Dharmendra. **Ind J Lepr** 1984 Jan-Mar;56(1):1-3

Is the Year Book really necessary? Dupont C. **Int J Dermatol** 1985 May;24(4):243-4

Stroke and its rehabilitation: the perceived role of the nurse in medical and nursing literature. Myco F. **J Adv Nurs** 1984 Sep;9(5):429-39

Analysis of the Journal of The American Dietetic Association, 1967 to 1983. Lansing PS, et al. **J Am Diet Assoc** 1985 Jan;85(1):56-61

Thompson Award lecture. Lessons learned from editing a geriatrics journal. Beeson PB. **J Am Geriatr Soc** 1984 Nov;32(11):849-50

The effectiveness of a slide-tape program on literature evaluation. Cuddy PG, et al. **J Biocommun** 1984 Aug;11(3):2-4

New directions in community health [editorial] Imperato PJ. **J Community Health** 1985 Spring;10(1):1-2

A decade of accomplishment. The Journal of Dermatologic Surgery and Oncology [editorial] Robins P. **J Dermatol Surg Oncol** 1985 Mar;11(3):193-4

Species of the genus Macaca (Cercopithecidea, primates) as research subjects in modern biology and medicine. Fridman EP, et al. **J Med Primatol** 1983;12(6):287-303

Advertising and the scholarly journal [editorial] Haynie TP. **J Nucl Med** 1985 Feb;26(2):206-7

Developing a department newsletter. Salome PB. **J Nurs Adm** 1985 Mar;15(3):36-41

Welcome to the physicians of Southeast Asia [editorial] Lundberg GD. **JAMA** 1985 Jan 18;253(3):398-9

And now a Yugoslav JAMA [editorial] Thomas I. **JAMA** 1985 Jul 26;254(4):533

About Kidney International [editorial] Andreoli TE. **Kidney Int** 1985 Jan;27(1):1-2

Editorial consensus on authorship and other matters [editorial] **Lancet** 1985 Sep 14;2(8455):595

Problem-oriented article summary [letter] Berry EM. **Lancet** 1985 Aug 24;2(8452):452

In what direction The Lancet? [letter] Freeman AG. **Lancet** 1985 Jan 19;1(8421):166

Role of medical journals in adverse drug reaction alerts [letter] Haramburu F, et al. **Lancet** 1985 Sep 7;2(8454):550-1

Coping with information overload: the development and evaluation of a journal review service. Benseman J, et al. **Med Educ** 1984 Nov;18(6):446-7

The statistical content of published medical research: some implications for biomedical education. Colditz GA, et al. **Med Educ** 1985 May;19(3):248-55

Continuing medical education with a personalized monthly newsletter. Love RR, et al. **Med Pediatr Oncol** 1984;12(5):309-12

Ripping and filing Journal articles [letter] **N Engl J Med** 1984 Dec 20;311(25):1639-40

10-year trends in the Journal's publications [letter] Alvarez-Dardet C, et al. **N Engl J Med** 1985 Jun 6;312(23):1521-2

Another medium for the Journal [editorial] Elia JJ Jr. **N Engl J Med** 1984 Dec 20;311(25):1631

Transfer of copyright [letter] Hughes-Davies TH. **N Engl J Med** 1984 Oct 18;311(16):1056-7

Speed. An essay on biomedical communication. Stassel TP. **N Engl J Med** 1985 Jul 11;313(2):123-6

Reviewer status and review quality. Experience of the Journal of Clinical Investigation. Stossel TP. **N Engl J Med** 1985 Mar 7;312(10):658-9

Health advice: Berkeley goes into business [news] Blakeslee S. **Nature** 1984 Oct 18-24;311(5987):597

Institutional sources of articles published in 13 nursing journals, 1978-1982. Hayter J. **Nurs Res** 1984 Nov-Dec;33(6):357-62

Continuing education in pediatric dermatology: the role of pediatric and dermatologic journals. Hayden GF. **Pediatr Dermatol** 1983 Jul;1(1):69-73

[The significance of author abstracts in medical journals] Drbálek J. **Cas Lek Cesk** 1984 Jul 13;123(28):871-2 (Eng. Abstr.) **(Cze)**

[A survey of the use of professional literature in pharmaceutical workplaces] Kostka V, et al. **Cesk Farm** 1984 Feb;33(1):34-6 **(Cze)**

[Study of the readability and level of intelligibility of work published in professional pharmaceutical journals] Kostka V, et al. **Cesk Farm** 1984 Nov;33(9):339-400 **(Cze)**

[Medical correspondence columns] Solstad K. **Ugeskr Laeger** 1985 May 6;147(19):1568-70 (Eng. Abstr.) **(Dan)**

[The future of medical publications] Vinken PJ. **Ned Tijdschr Geneeskd** 1984 Oct 13;128(41):1963-4 **(Dut)**

[The variable functions of the periodical Duodecim] Raivio K. **Duodecim** 1985;101(1):1-4 **(Fin)**

[Scientific publishing in the future] Saxén L. **Duodecim** 1985;101(1):4-7 **(Fin)**

[Statistical methods in the journal Duodecim] Uhari M. **Duodecim** 1984;100(15):920-4 (Eng. Abstr.) **(Fin)**

[The medical press in Tunisia] Ammar S. **Tunis Med** 1983 Jul-Aug;61(4):299-302 (Eng. Abstr.) **(Fre)**

[Evolving trends in radiotherapy--an introduction to a series of thematically profiled issues of 'Radiobiologia-Radiotherapia'] Strietzel M. **Radiobiol Radiother (Berl)** 1985;26(1):7-14 **(Ger)**

[Tasks and objectives of the journal 'Problemy tuberkuleza' in 1985] **Probl Tuberk** 1985;(1):3-6 **(Rus)**

[Up-to-date information services to support scientific research] Lazarev VS. **Sov Zdravookhr** 1985;(3):41-5 (Eng. Abstr.) **(Rus)**

[Nosological reference-subject card index] Pasternak NI, et al. **Vestn Dermatol Venerol** 1984 Dec;(12):43-6 (Eng. Abstr.) **(Rus)**

[6 years of Vestnik Rentgenologii i Radiologii (1978-1983)] Pereslegin IA, et al. **Vestn Rentgenol Radiol** 1985 Mar-Apr;(2):83-7 **(Rus)**

[The periodical press on the heroism of Soviet physicians during World War II] Zhukova LA. **Voen Med Zh** 1984 Oct;(10):10-2 **(Rus)**

[The Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii as a source of immunology information] Sharabchiev IuT. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Feb;(2):95-8 **(Rus)**

[Spanish Annals of Pediatrics. Review of research or information?] **An Esp Pediatr** 1984 Nov 30;21(8):711-3 **(Spa)**

[Editorial aspects of the Boletín Médico del Hospital Infantil de México] Velásquez-Jones L. **Bol Med Hosp Infant Mex** 1985 Mar;42(3):151-2 **(Spa)**

[Types of publications in medical periodicals (editorial)] Velásquez-Jones L. **Bol Med Hosp Infant Mex** 1985 Feb;42(2):85-7 **(Spa)**

[Ethical aspects in the publishing of medical periodicals (editorial)] Velásquez-Jones L. **Bol Med Hosp Infant Mex** 1985 May;42(5):285-6 **(Spa)**

ECONOMICS

Impact and cost justification of a surgery drug newsletter. May JR, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1837-9

HISTORY

The AJC in February 1960. Friedman WF. **Am J Cardiol** 1985 Feb 15;55(5):616-7

Duhring and his short-lived Photographic Review of Medicine and Surgery. Bussy RK. **Am J Dermatopathol** 1985 Apr;7(2):153-6

Public health aspects of mental health: the last 75 years of the American Journal of Public Health. Williams CL, et al. **Am J Public Health** 1985 Jul;75(7):722-6

Lewis Stephen Pilcher, founding editor of the Annals of Surgery. Editor for 50 consecutive years. Pilcher LS 2d, et al. **Ann Surg** 1985 Jan;201(1):5-10

The first hundred years. Annals of Surgery and a century of progress. Sabiston DC Jr. **Ann Surg** 1985 Jan;201(1):1-3

The American Journal of Nursing and the socialization of a profession, 1900-1920. Wheeler CE. **ANS** 1985 Jan; 7(2):20-34

Fifty years Antonie van Leeuwenhoek. Its history and its impact. Fuchs A. **Antonie Van Leeuwenhoek** 1984; 50(5-6):425-32

The collection of the Boletín de la Asociación Médica de Puerto Rico and its preservation (1903-20). Rivera Villanueva ZE. **Bol Asoc Med PR** 1984 Sep;76(9):394-6

The journal's not for reading. Zuck D. **Br Med J [Clin Res]** 1984 Dec 22-29;289(6460):1757-9

The Buffalo Medical Journal: 1845-1919. Sentz L. **Bull Med Libr Assoc** 1985 Jul;73(3):278-82

The Journal. Fifty years of service. Dunn WJ. **Can Dent Assoc J** 1985 Jan;51(1):54-7

A half century of publishing [editorial] Boyd DP. **Chest** 1984 Nov;86(5):654-5

The discipline of clinical pharmacology. Reidenberg MM. **Clin Pharmacol Ther** 1985 Jul;38(1):2-5

The Cornell Veterinarian: the early years. Schryver HF. **Cornell Vet** 1985 Jan;75(1):6-15

History of the Journal of Lipid Research. Eder HA. **J Lipid Res** 1984 Dec 15;25(13):1425-9

Research on adipose tissue and the first 25 years of the Journal of Lipid Research. Hirsch J. **J Lipid Res** 1984 Dec 15;25(13):1437-41

The history of medical journalism in New Jersey. Krosnick A. **J Med Soc NJ** 1984 Sep;81(9):723-6

The birth of our journal. Tustin RC. **J S Afr Vet Assoc** 1985 Jun;56(2):117-8

In the AMA, policy follows science: a case history of tobacco [editorial] Lundberg GD. **JAMA** 1985 May 24-31; 253(20):3001-3

A hundred years of Lancet language. Bell C. **Lancet** 1984 Dec 22;2(8417-18):1453

Lay medical knowledge in the eighteenth century: the evidence of the Gentleman's Magazine. Porter R. **Med Hist** 1985 Apr;29(2):138-68

Medicine (1922-). Biography of a medical journal. McKusick VA. **Medicine (Baltimore)** 1985 Jul;64(4):217-8

The Fellowship of Postgraduate Medicine and the Postgraduate Medical Journal [editorial] Hoffbrand BI. **Postgrad Med J** 1985 Jan;61(711):1-2

[Casopis Lékařu Ceských (Journal of Czech Physicians) in the year of the liberation] Petrášek J. **Cas Lek Cesk** 1985 May 10;124(19):602-8 **(Cze)**

[A half-century of the periodical Ceskoslovenská Gynekologie] Trnka V. **Cesk Gynekol** 1985 Feb;50(1):1-3 **(Cze)**

[Reminder of the 65th anniversary of the founding of the Purkinje Society for the Study of the Psyche and Nervous System, 80 years of the existence of the 1st Czech psychiatric journal] Mečíř J. **Cesk Psychiatr** 1984 Dec; 80(6):353-8 **(Cze)**

[1945, the year of liberation in the framework of the Tijdschrift] van der Heide J. **Ned Tijdschr Geneeskd** 1985 May 4;129(18):843-77 **(Dut)**

[Ear, nose and throat research in Finland in the light of academic dissertations] Kärjä J, et al. **Duodecim** 1985; 101(7):721-34 **(Fin)**

[Konrad Reijo Waara and Duodecim's first year] Koivusalo E. **Duodecim** 1985,101(1):15-43 **(Fin)**

[A 100-year harvest] Pelkonen R. **Duodecim** 1985; 101(1):45-150 **(Fin)**

[Problems of terminology at the beginning of the publication of Orvosi Hetilap] Szállási A. **Orv Hetil** 1985 Jun 16; 126(24):1487-8, 1491 **(Hun)**

[The periodical Irodalom Tudomány (Literature Science) founded 40 years ago] Szállási A. **Orv Hetil** 1985 Jun 30; 126(26):1603-5 **(Hun)**

['Primitiae Physico-medicae' (1750-1753). Obstetrical and gynecological problems] Waszyński E. **Arch Hist Med (Warsz)** 1984;47(3):447-61 (Eng. Abstr.) **(Pol)**

[The 60th anniversary of the journal 'Khirurgiia'] **Khirurgiia (Mosk)** 1985 Apr;(4):3-10 **(Rus)**

[1st Russian medical journals in the struggle for medical progress] Novinskiĭ GD. **Sov Zdravookhr** 1984;(12):61-2 **(Rus)**

[100th anniversary of the 1st Russian surgery journal] **Vestn Khir** 1985 Jan;134(1):4-11 **(Rus)**

[Contribution of the journal 'Khirurgicheskiĭ vestnik' to the development of surgical thought in Russia] Shabunin AV. **Vestn Khir** 1984 Aug;133(8):146-7 **(Rus)**

[Vestnik Khirurgii I.I. Grekov during the siege of Leningrad] Zaĭtsev. **Vestn Khir** 1985 May;134(5):17-22 **(Rus)**

[Vestnik Oftal'mologii 75 years ago] Filimonov AR. **Vestn Oftalmol** 1984 Sep-Oct;(5):7-8 **(Rus)**

[The 'Vestnik oftal'mologii' 50 years ago] Filimonov AR. **Vestn Oftalmol** 1984 Nov-Dec;(6):6-8 **(Rus)**

[Reminiscences of the past: Adrian Aleksandrovich Kriukov, editor of 'Vestnik oftal'mologii' and founder of the Moscow Ophthalmological Society (on the 75th anniversary of the journal)] Krasnov MM. **Vestn Oftalmol** 1984 Nov-Dec; (6):4-6 **(Rus)**

[Prof. A.V. Khodin- - the founder and the first editor of 'Vestnik oftal'mologii' (on the centenary of the journal)] Volkov VV, et al. **Vestn Oftalmol** 1984 Nov-Dec;(6):3-4 **(Rus)**

[History of medical societies and medical periodicals in Vojvodina] Berić BM. **Med Pregl** 1984;37(9-10):445-9 **(Scr)**

[40 years of the Vojnosanitetski Pregled] **Vojnosanit Pregl** 1984 Sep-Oct;41(5):315-9 **(Scr)**

[Professional publications of the health service of the National Liberation Army of Yugoslavia before the publication of the periodical Vojnosanitetski Pregled] Katan E. **Vojnosanit Pregl** 1984 Sep-Oct;41(5):424-30 **(Scr)**

[50 years of the Revista de Sanidad e Higiene Pública (1926-1975). Bibliometric analysis of its scientific production] Parra Hidalgo P, et al. **Rev Sanid Hig Publica (Madr)** 1983 Sep-Oct; 57(9-10):969-1038 (Eng. Abstr.) **(Spa)**

STANDARDS

Statistics and the medical journal [editorial] Brown GW. **Am J Dis Child** 1985 Mar;139(3):226-8

Rationale for reporting standard deviations rather than standard errors of the mean [editorial] Bartko JJ. **Am J Psychiatry** 1985 Sep;142(9):1060

Three case reports of a single homicidal adolescent [letter] Restifo NP, et al. **Am J Psychiatry** 1985 Mar;142(3):388

Stelazine advertisement 'dismays' readers [letter] Swartz M, et al. **Am J Psychiatry** 1985 May;142(5):666

The glass bead game [editorial] Horan BF. **Anaesth Intensive Care** 1985 May;13(2):121-2

Interpretation and critical appraisal of journal articles. Shanks CA. **Anaesth Intensive Care** 1985 May;13(2):190-5

Journal referees: gatekeepers of science [editorial] Brady JP. **Biol Psychiatry** 1985 Aug;20(8):823-4

How to write a letter to the editor that the editor will want to publish. Morgan PP. **Can Med Assoc J** 1985 Jun 15; 132(12):1344

Improving the quality of research published in CMAJ [editorial] Morgan PP. **Can Med Assoc J** 1984 Nov 1; 131(9):1027-8

Editorial responsibility in the humane care and use of experimental animals [editorial] Schumer W. **Circ Shock** 1985;15(1):1-4

How do secondary services select journals? Dickman JT. **Cleve Clin Q** 1984 Winter;51(4):575-8

The editorial review process: what happens to your manuscript. Shilling LM. **J Allied Health** 1985 Feb; 14(1):149-51

Quality filters in medical publications. Balasubramanian S, et al. **J Indian Med Assoc** 1984 Nov;82(11):420-1

Manuscript review from a statistician's perspective [editorial] Vaisrub N. **JAMA** 1985 Jun 7;253(21):3145-7

Statistics in medical journals: a survey of current policies and proposals for editors. George SL. **Med Pediatr Oncol** 1985;13(2):109-12

Reviewer status and review quality [letter] **N Engl J Med** 1985 Jul 25;313(4):269-70

Journal peer review [letter] **N Engl J Med** 1985 Aug 15; 313(7):455-6

The need for a research agenda. Bailar JC 3d, et al. **N Engl J Med** 1985 Mar 7;312(10):654-7

The Journal as an open forum [editorial] Relman AS. **N Engl J Med** 1985 May 23;312(21):1384-5

[An approach to the evaluation of medical journals: application to original articles of La Presse Médicale and the New England Journal of Medicine published in 1982] Charpak Y, et al. **Presse Med** 1984 Sep 29;13(33):1984-9 (Eng. Abstr.) **(Fre)**

[Principles of writing scientific medical papers] Labaziewicz L. **Chir Narzadow Ruchu Ortop Pol** 1984;49(3):265-8 (Eng. Abstr.) **(Pol)**

[Uniform standards for original articles sent to biomedical journals. The International Committee of Editors of Medical Journals] **Med Clin (Barc)** 1985 Feb 9;84(5):184-8 **(Spa)**

[Style and ethics. The new edition of the standards of the International Committee of Editors of Medical Journals] Herranz G. **Med Clin (Barc)** 1985 Feb 9;84(5):189-90 **(Spa)**

TRENDS

A decade of dermatologic surgery. Braun-Falco O, et al. **J Dermatol Surg Oncol** 1985 Mar;11(3):199-202, 208

PERIODICITY

see related
BIOLOGICAL CLOCKS
CIRCADIAN RHYTHM

Circannual concentrations of melatonin, gonadotrophins, prolactin and gonadal steroids in males in a geographical area with a large annual variation in daylight. Martikainen H, et al. **Acta Endocrinol (Copenh)** 1985 Aug;109(4):446-50

Cyclical pattern of blood alcohol levels during continuous intragastric ethanol infusion in rats. Tsukamoto H, et al. **Alcoholism (NY)** 1985 Jan-Feb;9(1):31-7

Chronobiological aspects of stereotypy. Brusca R. **Am J Ment Defic** 1985 May;89(6):650-2

Plasma melatonin concentrations in hibernating marmots: absence of a plasma melatonin rhythm. Florant GL, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R1062-6

Periodic interdigestive secretion [letter] Magee DF. **Am J Physiol** 1985 Jun;248(6 Pt 1):G747-50

Annual and diurnal patterns of plasma calcium fractions in anuran Rana pipiens. Robertson DR. **Am J Physiol** 1985 Sep;249(3 Pt 2):R290-5

Prevention by pinealectomy of short-photoperiod-induced ultrastructural changes in the hamster Harderian gland. Diioria DP, et al. **Anat Rec** 1984 Nov;210(3):449-52

Photoperiodic response of rain quail. Saxena VL, et al. **Ann Endocrinol (Paris)** 1984;45(6):403-8

Neural pacemakers and rhythmicity. Connor JA. **Annu Rev Physiol** 1985;47:17-28 (111 ref.)

Annual rhythms. Farner DS. **Annu Rev Physiol** 1985;47:65-82 (137 ref.)

Oscillatory neural networks. Selverston AI, et al. **Annu Rev Physiol** 1985;47:29-48 (93 ref.)

Infradian rhythms. A comparison of affective disorders and normal persons. Eastwood MR, et al. **Arch Gen Psychiatry** 1985 Mar;42(3):295-9

Cortisol secretion in endogenous depression. II. Time-related functions. Halbreich U, et al. **Arch Gen Psychiatry** 1985 Sep;42(9):909-14

Pressure effects on the photocycle of purple membrane. Marque J, et al. **Biochemistry** 1984 Nov 6;23(23):5556-63

Shifts in gonadotropin and steroid levels that precede anestrus in female golden hamsters exposed to a short photoperiod. Jorgenson KL, et al. **Biol Reprod** 1985 Apr; 32(3):611-8

Communication and control in reproduction: the ubiquity of periodic phenomena. Rapp PE. **Biol Reprod** 1985 Feb; 32(1):70-2

Refractoriness to inhibitory day lengths initiates the breeding season of the Suffolk ewe. Robinson JE, et al. **Biol Reprod** 1985 Jun;32(5):1024-30

Hormonal correlates of photoperiod-induced puberty in a reflex ovulator, the female ferret (Mustela furo). Ryan KD. **Biol Reprod** 1984 Dec;31(5):925-35

Do endogenous opioid peptides mediate the effects of photoperiod on release of luteinizing hormone and prolactin in ovariectomized ewes? Schillo KK, et al. **Biol Reprod** 1985 May;32(4):779-87

Photoperiodic time measurement in the male deer mouse, Peromyscus maniculatus. Underwood H, et al. **Biol Reprod** 1985 May;32(4):947-56

Importance of duration of nocturnal melatonin secretion in determining the reproductive response to inductive photoperiod in the ewe. Yellon SM, et al. **Biol Reprod** 1985 Apr;32(3):523-9

Fitting a sinusoid to biological rhythm data using ranks. Pettitt AN. **Biometrics** 1984 Jun;40(2):295-300

Onset of birhythmicity in a regulated biochemical system. Morán F, et al. **Biophys Chem** 1984 Aug;20(1-2):149-56

Cyclical neutropenia and T8 lymphocyte mediated stimulation of granulopoiesis. Smith JG, et al. **Br J Haematol** 1985 Jul;60(3):481-9

Approaches to the evaluation and treatment of rapid-cycling affective illness. Roy-Byrne PP, et al. **Br J Psychiatry** 1984 Nov;145:543-50 (77 ref.)

Full moon and crime. Thakur CP, et al. **Br Med J [Clin Res]** 1984 Dec 22-29;289(6460):1789-91

Persistence of circannual rhythms in ground squirrels with lesions of the suprachiasmatic nuclei. Dark J, et al. **Brain Res** 1985 Apr 22;332(2):201-7

Olfactory bulbectomy prevents the gonadal regression associated with short photoperiod in male golden hamsters. Pieper DR, et al. **Brain Res** 1984 Oct 29;321(1):183-6

Molecular analysis of the period locus in Drosophila melanogaster and identification of a transcript involved in biological rhythms. Reddy P, et al. **Cell** 1984 Oct; 38(3):701-10

Circadian and seasonal rhythm of beta-glucuronidase in rat liver. Bhattacharya RD. **Cell Mol Biol** 1985;31(4):305-7

The rhythmic structure of mother-infant interaction in term and preterm infants. Lester BM, et al. **Child Dev** 1985 Feb; 56(1):15-27

Chronobiologic pattern discrimination of plasma hormones, notably DHEA-S and TSH, classifies an expansive personality. Hermida RC, et al. **Chronobiologia** 1985 Apr-Jun;12(2):105-36

Non-familial periodic ataxia responding to acetazolamide. Verlooy P, et al. **Clin Neurol Neurosurg** 1985;87(1):35-7

Synchronization of motor activity in young pigs to a non-circadian rhythm without affecting food intake and growth. Ingram DL, et al. **Comp Biochem Physiol [A]** 1985; 80(3):363-8

Comparison of plasma and testicular testosterone levels during the active season in the common garter snake, Thamnophis sirtalis (L). Weil MR. **Comp Biochem Physiol [A]** 1985;81(3):585-7

Tyrosine aminotransferase activity of frog (Rana esculenta) liver. III. A circannual study. Scapin S, et al. **Comp Biochem Physiol [B]** 1984;79(3):369-74

Detection of periodic signals in noise: an iterative procedure. Heinze HJ, et al. **Comput Programs Biomed** 1984;19(1):55-9

Monthly fluctuations of active duodenal ulcers. Palmas F, et al. **Dig Dis Sci** 1984 Nov;29(11):983-7

Respiratory EMG findings in relation to periodic breathing in infants. O'Brien MJ. **Early Hum Dev** 1985 May; 11(1):43-60

Control of plasma sex steroid-binding protein (SBP) in the little brown bat: effects of photoperiod and orchiectomy on the induction of SBP in immature males. Damassa DA,

NEWARK PUBLIC LIBRARY

et al. **Endocrinology** 1984 Dec;115(6):2355-61

Testicular function and pelage color have different critical daylengths in the Djungarian hamster, Phodopus sungorus sungorus. Duncan MJ, et al. **Endocrinology** 1985 Jan; 116(1):424-30

Serum melatonin profiles and endocrine responses of ewes exposed to a pulse of light late in the dark phase. Earl CR, et al. **Endocrinology** 1985 Jul;117(1):226-30

Does prolactin modify testosterone feedback in the hamster? Suppression of plasma prolactin inhibits photoperiod-induced decreases in testosterone feedback sensitivity. Matt KS, et al. **Endocrinology** 1984 Dec; 115(6):2098-103

Effect of frontal hypothalamic deafferentation on photoperiod-induced changes in the secretion of prolactin in the ewe. Pau KY, et al. **Endocrinology** 1984 Nov; 115(5):1663-71

Changes in photoperiod alter the daily rhythms of pineal melatonin content and hypothalamic beta-endorphin content and the luteinizing hormone response to naloxone in the male Syrian hamster. Roberts AC, et al. **Endocrinology** 1985 Jul;117(1):141-8

The interrelationship of growth hormone (GH)-releasing factor and somatostatin in generation of the ultradian rhythm of GH secretion. Tannenbaum GS, et al. **Endocrinology** 1984 Nov;115(5):1952-7

Tritiated thymidine incorporation into canine cyclic hematopoietic bone marrow in vitro. Jones JB, et al. **Exp Hematol** 1985 Aug;13(7):685-90

Dark exposure inhibits the mitotic activity of thyroid follicular cells in male mice with intact pineal. Lewiński A, et al. **Experientia** 1984 Nov 15;40(11):1284-5

Effect of photoperiod and all-female grouping on the estrous cycle of the bandicoot rat, Bandicota bengalensis. Sahu A. **Experientia** 1984 Nov 15;40(11):1285-7

Seasonal activity of adult ticks Ixodes persulcatus P. Sch. in the eastern part of the Russian Plain. Zemskaya AA. **Folia Parasitol (Praha)** 1984;31(3):260-76

Photoperiod-dependent negative feedback effects of thyroid hormones in Fundulus heteroclitus. Brown CL, et al. **Gen Comp Endocrinol** 1985 May;58(2):186-91

Circannual plasma androgen levels in free-living male great tits (Parus major major L.). De Laet JF, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):277-86

Effects of time, photoperiod, and pinealectomy on ocular and plasma melatonin concentrations in the chick. Osol G, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):415-20

Temporal difference of thyrotropin-releasing hormone in prevention of testicular regression in golden hamsters exposed to short photoperiods: possible involvement of beta-endorphin. Chen HJ, et al. **Horm Res** 1985; 21(3):168-74

Within-subjects between-days-and-weeks variation in energy expenditure at rest. Garby L, et al. **Hum Nutr Clin Nutr** 1984 Sep;38(5):395-7

The influence of artificial and natural short photoperiods on male Syrian hamsters: reproductive effects. Brainard GC, et al. **Int J Biometeorol** 1984 Nov;28(4):317-25

Biorhythms revisited: rhythm and blues? Winstead DK, et al. **J Clin Psychiatry** 1984 Oct;45(10):426-9

Localization of the factors producing the periodic activities responsible for synchronous cleavage in Xenopus embryos. Shinagawa A. **J Embryol Exp Morphol** 1985 Feb;85:33-46

FSH secretion in pinealectomized rams subjected to artificial photoperiods. Barrell GK, et al. **J Endocrinol** 1985 Aug; 106(2):167-71

Changes in plasma prolactin in male starlings during testicular regression under short days compared with those during photorefractoriness. Goldsmith AR, et al **J Endocrinol** 1984 Sep;102(3):353-6

Thyroxine treatment facilitates prolactin secretion and induces a state of photorefractoriness in thyroidectomized starlings. Goldsmith AR, et al. **J Endocrinol** 1985 Jan; 104(1):99-103

Evidence for episodic but not circadian activity in plasma concentrations of adrenocorticotrophin, cortisol and thyroxine in dogs. Kemppainen RJ, et al. **J Endocrinol** 1984 Nov;103(2):219-26

Role of prolactin in the photoperiodic control of moulting in the mink (Mustela vison). Martinet L, et al. **J Endocrinol** 1984 Oct;103(1):9-15

The genetic background of circadian and ultradian rhythm patterns of 17-hydroxycorticosteroids: a cross-twin study. Reinberg A, et al. **J Endocrinol** 1985 May;105(2):247-53

Naloxone-induced secretion of LH in the male Syrian hamster: modulation by photoperiod and gonadal steroids. Roberts AC, et al. **J Endocrinol** 1985 Aug;106(2):243-8

Influence of lighting cycles on daily rhythms in concentrations of plasma tri-iodothyronine and thyroxine in intact and pinealectomized immature broiler hens (Gallus domesticus). Sharp PJ, et al. **J Endocrinol** 1984 Dec; 103(3):337-45

Photoperiod perception in the blind mole rat (Spalax ehrenbergi, Nehring): involvement of the Harderian gland, atrophied eyes, and melatonin. Pevet P, et al. **J Exp Zool** 1984 Oct;232(1):41-50

Regulation of human B lymphopoiesis: effect of a urinary activity associated with cyclic neutropenia. Landreth KS, et al. **J Immunol** 1985 Apr;134(4):2305-9

Circadian and/or circahemidian rhythms in nine lymphocyte-related variables from peripheral blood of healthy subjects. Levi FA, et al. **J Immunol** 1985 Jan; 134(1):217-22

Day/night changes of pineal gland volume and pinealocyte nuclear size assessed over 10 consecutive days. Diehl BJ, et al. **J Neural Transm** 1984;60(1):19-29

Ultradian rhythm of growth hormone secretion and sleep in the adult male rat. Kimura F, et al. **J Physiol (Lond)** 1984 Aug;353:305-15

Photoperiodic regulation of reproductive development in male white-footed mice (Peromyscus leucopus) born at different phases of the breeding season. Forger NG, et al. **J Reprod Fertil** 1985 Jan;73(1):271-8

Response in peripheral plasma melatonin to photoperiod change and the effects of exogenous melatonin on seasonal quiescence in the tammar, Macropus eugenii. McConnell SJ, et al. **J Reprod Fertil** 1985 Mar;73(2):529-38

Photoperiod and delayed implantation in the northern fur seal (Callorhinus ursinus). Temte JL. **J Reprod Fertil** 1985 Jan;73(1):127-31

Advancement of reproductive activity, seasonal reduction in prolactin secretion and seasonal pelage changes in pubertal red deer hinds (Cervus elaphus) subjected to artificially shortened daily photoperiod or daily melatonin treatments. Webster JR, et al. **J Reprod Fertil** 1985 Jan; 73(1):255-60

Effect of transitional photoperiods on testicular development and puberty in male deer mice (Peromyscus maniculatus). Whitsett JM, et al. **J Reprod Fertil** 1984 Nov;72(2):277-86

Photosensitive stages in pubertal development of male deer mice (Peromyscus maniculatus). Whitsett JM, et al. **J Reprod Fertil** 1984 Nov;72(2):269-76

Seasonality and period-doubling bifurcations in an epidemic model. Aron JL, et al. **J Theor Biol** 1984 Oct 21; 110(4):665-79

Seasonal periodicity of peptic ulcer: a myth [letter] Negre J. **Lancet** 1985 Jun 29;1(8444):1504-5

Pizotifen in the prophylaxis of cyclical vomiting [letter] Salmon MA, et al. **Lancet** 1985 May 4;1(8436):1036-7

Ultradian consummatory cycles and smoking. Green J, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar; 49:233-8

Drosophila development: smell taste and rhythm [news] Ashburner M. **Nature** 1984 Nov 29-Dec 5;312(5993):402-3

Rhodopsin-like sensitivity of extra-retinal photoreceptors mediating the photoperiodic response in quail. Foster RG, et al. **Nature** 1985 Jan 3-9;313(5997):50-2

Magnetic field of the earth as additional zeitgeber for endogenous rhythms? Cremer-Bartels G, et al. **Naturwissenschaften** 1984 Nov;71(11):567-74

Darkness, ethanol and cerebral activity. Messiha FS. **Neurobehav Toxicol Teratol** 1985 Mar-Apr;7(2):149-53

Pineal melatonin mediates photoperiodic control of pulsatile luteinizing hormone secretion in the ewe. Bittman EL, et al. **Neuroendocrinology** 1985 May;40(5):409-18

Neurotoxic lesions of the anterior hypothalamus disrupt the photoperiodic but not the circadian system of the Syrian hamster. Hastings MH, et al. **Neuroendocrinology** 1985 Apr; 40(4):316-24

Effect of steroid treatment on tonic and surge secretion of LH and FSH in the female golden hamster: effect of photoperiod. Jorgenson KL, et al. **Neuroendocrinology** 1984 Dec;39(6):549-54

Chemosensory and neural influences on photoperiodic responsiveness of laboratory rats. Nelson RJ, et al. **Neuroendocrinology** 1985 Apr;40(4):285-90

Effect of frontal hypothalamic deafferentation on photoperiod-induced changes of luteinizing hormone secretion in the ewe. Pau KY, et al. **Neuroendocrinology** 1985 Jul;41(1):72-8

Potentially fatal cardiac dysrhythmia and hyperkalemic periodic paralysis. Gould RJ, et al. **Neurology** 1985 Aug; 35(8):1208-12

Periodic leg movements in sleep: effect of clonazepam treatment. Ohanna N, et al. **Neurology** 1985 Mar; 35(3):408-11

Recurrent course of primary affective disorders: explanation by the theory of biorhythms. Zvolský P, et al. **Neuropsychobiology** 1985;13(1-2):17-22

The effects of orofacial sensory input on spontaneously occurring and apomorphine-induced rhythmical jaw movements in the anesthetized guinea pig. Chandler SH, et al. **Neurosci Lett** 1985 Jan 7;53(1):45-9

Comparison of pineal melatonin rhythms in young adult and old Djungarian hamsters (Phodopus sungorus) under long and short photoperiods. Hoffmann K, et al. **Neurosci Lett** 1985 May 1;56(1):39-43

No basic rest-activity cycle in head, wrist or ankle. Okudaira N, et al. **Physiol Behav** 1984 May;32(5):843-5

Effects of maternal isolation on the development of activity rhythms in infant rats. Smith GK, et al. **Physiol Behav** 1984 Nov;33(5):751-6

The molecular clock may be an episodic clock. Gillespie JH. **Proc Natl Acad Sci USA** 1984 Dec;81(24):8009-13

The generation and modulation of endogenous rhythmicity in the Aplysia bursting pacemaker neurone R15. Adams WB, et al. **Prog Biophys Mol Biol** 1985;46(1):1-49

Much ado about the full moon: a meta-analysis of lunar-lunacy research. Rotton J, et al. **Psychol Bull** 1985 Mar;97(2):286-306 (26 ref.)

A possible difference between men's and women's sexuality. James WH. **Psychol Rep** 1984 Aug;55(1):40-2

Influence of photoperiod on the time of birth in the rat. IV. Effects of an imposed feeding rhythm. Bosc MJ, et al. **Reprod Nutr Dev** 1985;25(1A):39-48

Thyrotoxic periodic paralysis: case discussion and review. Lerner E, et al. **RI Med J** 1985 May;68(5):219-22

Glossary of chronobiology. Carandente F. **Ric Clin Lab** 1984 Apr-Jun;14(2):149-56

Annual rhythms in human violence and sexual aggression in the United States and the role of temperature. Michael RP, et al. **Soc Biol** 1983 Fall;30(3):263-78

[Diagnosis and taxonomy of periodic psychosis] Gao ZX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Feb; 18(1):53-6 (Eng. Abstr.) **(Chi)**

[Simplified methods of determining the peak hour and periodicity index of human microfilaria] Wang JY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 May; 18(3):158-61 (Eng. Abstr.) **(Chi)**

[Biologic rhythms and chronopharmacology] Bruguerolle B. **Ann Gastroenterol Hepatol (Paris)** 1984 Mar-Apr; 20(2):87-91 **(Fre)**

[Testicular activity of the ferret kept for over 4 years under permanent light and constant temperature] Boissin-Agasse L, et al. **C R Acad Sci [III]** 1985;300(18):685-90 (Eng. Abstr.) **(Fre)**

[Annual variations in plasma prolactin and testosterone concentrations in the Ouled-Djellal ram in Algeria] Darbeida H, et al. **C R Acad Sci [III]** 1984;299(19):789-94 (Eng. Abstr.) **(Fre)**

[Experimental demonstration of the annual characteristic of the lines of arrest of skeletal growth in Rana esculenta (Amphibia, anura)] Francillon H, et al. **C R Acad Sci [III]** 1985;300(8):327-32 (Eng. Abstr.) **(Fre)**

[Influence of the photoperiod on the production and fecundity of spermatozoa in the adult Ile-de-France ram] Colas G, et al. **Reprod Nutr Dev** 1985;25(1A):101-11 (Eng. Abstr.) **(Fre)**

[Seasonal anthropometric variations in adults of 2 different West African populations] Benefice E, et al. **Rev Epidemiol Sante Publique** 1985;33(2):150-60 (Eng. Abstr.) **(Fre)**

[Chronobiology in endocrinology] Scheen AJ, et al. **Rev Med Liege** 1985 Jul 1-15;40(13-14):525-8 **(Fre)**

[The influence of the lunar cycle on delivery] Hausser C, et al. **Union Med Can** 1985 Jul;114(7):548-50 (Eng. Abstr.) **(Fre)**

[Calculation by Supprian of the phase calendar of endogenous depressions--a statistical artifact?] Richter P. **Fortschr Neurol Psychiatr** 1985 Mar;53(3):94-100 (Eng. Abstr.) **(Ger)**

[Cyclic esotropia in an adult] Stärk N, et al. **Klin Monatsbl Augenheilkd** 1984 Jun;184(6):553-7 (Eng. Abstr.) **(Ger)**

[Rhythm of lung function during the period of a week, with and without exposure to respiratory tract irritants] Maintz G, et al. **Z Erkr Atmungsorgane** 1985;164(2):173-7 (Eng. Abstr.) **(Ger)**

[Periodic fever probably caused by dysfunction of the central thermoregulatory area. Report of a case] Ono T, et al. **Nippon Naika Gakkai Zasshi** 1984 Jun;73(6):825-30 **(Jpn)**

[Possible modes of autorhythmic activity of a single neuron] Efimov VN, et al. **Biol Nauki** 1985;(1):56-8 (Eng. Abstr.) **(Rus)**

[Functional interrelations of brain structures in the cat during the generation of rhythmic activity. III. Cluster analysis of rhythmic indices] Izmank AF, et al. **Biol Nauki** 1985; (2):60-6 (Eng. Abstr.) **(Rus)**

[Fenamin stereotypy as a stable rhythmic process] Arushanian EB, et al. **Biull Eksp Biol Med** 1984 Oct; 98(10):450-3 (Eng. Abstr.) **(Rus)**

[Prevention of the depression of normal killer activity in stress via adaptation to the periodic action of hypoxia] Sukhikh GT, et al. **Biull Eksp Biol Med** 1985 Apr; 99(4):458-9 (Eng. Abstr.) **(Rus)**

[Relation of thermoregulatory shifts to the development of sleep due to local rhythmic temperature action] Mugutdinov TM. **Fiziol Cheloveka** 1984 May-Jun; 10(3):482-5 **(Rus)**

[Echocardiogram of young athletes on an annual training cycle] Il'nitskiĭ VI. **Kardiologiia** 1985 Apr;25(4):60-4 **(Rus)**

[Model studies of mechanisms of the rhythmic activity of mammalian neurons] Mironov SL. **Neirofiziologiia** 1984; 16(4):445-51 (Eng. Abstr.) **(Rus)**

[Restoration of respiratory rhythmogenesis by local electrostimulation of the brain in apnea induced by anesthetic agents] Voinov VA, et al. **Patol Fiziol Eksp Ter** 1985 Mar-Apr;(2):71-4 **(Rus)**

[Phase changes in bacterial batch cultures] Tets VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Aug;(8):24-31 (50 ref.) **(Rus)**

[Chronopathology] Battestini Pons R. **Med Clin (Barc)** 1984 Jun 30;83(5):197-9 **(Spa)**

DRUG EFFECTS

ACTH 1-17 as a chronomodulator of different biological activities. Butturini U, et al. **Ric Clin Lab** 1984 Apr-Jun; 14(2):263-5

PERIODONTAL ABSCESS see under **PERIODONTITIS**

PERIODONTAL CYST, APICAL see **RADICULAR CYST**

PERIODONTAL DISEASES

Current concepts in periodontal diseases. Higgins TJ, et al. **Med J Aust** 1985 May 27;142(11):590-4 (25 ref.)

[Annual meeting of the German Society for Periodontology. Muenster, 1983. Proceedings and abstracts] **Dtsch Zahnarztl Z** 1984 Aug;39(8):557-668 **(Ger)**

BLOOD

Chemotaxis and surface glycoproteins of neutrophil granulocytes from patients with juvenile periodontitis. Larjava H, et al. **Arch Oral Biol** 1984;29(11):935-9

CHEMICALLY INDUCED

The effects of phenytoin and sodium valproate on the periodontal health of adult epileptic patients. Seymour RA, et al. **J Clin Periodontol** 1985 Jul;12(6):413-9

Cyclosporine therapy. Its significance to the periodontist. Daley TD, et al. **J Periodontol** 1984 Dec;55(12):708-12

COMPLICATIONS

Orthodontic therapy in patients with juvenile periodontitis: clinical and microbiologic effects. Folio J, et al. **Am J Orthod** 1985 May;87(5):421-31

DIAGNOSIS

Reliability of plaque and periodontal measurements estimated by the internal consistency method. Rise J, et al. **Acta Odontol Scand** 1984 Oct;42(5):293-6

Long-term periodontal status of teeth moved into extraction sites. Reed BE, et al. **Am J Orthod** 1985 Sep;88(3):203-8

Glycosaminoglycans in human gingival crevicular fluid as indicators of active periodontal disease. Last KS, et al. **Arch Oral Biol** 1985;30(3):275-81

Periodontal conditions in mentally retarded children. Vigild M. **Community Dent Oral Epidemiol** 1985 Jun;13(3):180-2

Endodontic-periodontic interrelationships. Diagnosis and Treatment. Gargiulo AV Jr. **Dent Clin North Am** 1984 Oct;28(4):767-81

Papillon-Lefevre syndrome. Kumar PM, et al. **Indian Pediatr** 1985 Mar;22(3):244-6

Periodontal conditions in adolescents with cleft lip, alveolus and palate following treatment in a co-ordinated team approach. Brägger U, et al. **J Clin Periodontol** 1985 Jul;12(6):494-502

Intraclass correlations of periodontal measurements. Haffajee AD, et al. **J Clin Periodontol** 1985 Mar;12(3):216-24

Periodontal evaluation of canines erupted through grafted alveolar cleft defects. Hinrichs JE, et al. **J Oral Maxillofac Surg** 1984 Nov;42(11):717-21

The effect of subsampling sites within patients. Laster LL. **J Periodont Res** 1985 Jan;20(1):91-6

Assessment of inter-examiner agreement in scoring periodontal disease. Mann J, et al. **J Periodont Res** 1985 Jan;20(1):86-90

Measuring and interpreting increases in probing depth and attachment loss. Aeppli DM, et al. **J Periodontol** 1985 May;56(5):262-4

The role of bleeding upon probing in the diagnosis of periodontal disease. A literature review. Greenstein G. **J Periodontol** 1984 Dec;55(12):684-8 (56 ref.)

Periodontal diagnosis. Current status and future needs. Polson AM, et al. **J Periodontol** 1985 Jan;56(1):25-34 (128 ref.)

Microbial interpretation of plaque relative to the diagnosis and treatment of periodontal disease. Wolff LF, et al. **J Periodontol** 1985 May;56(5):281-4

Number of teeth and proximal periodontal bone height in relation to social factors. Halling A, et al. **Swed Dent J** 1984;8(4):183-91

[Juvenile periodontitis (JP)--a review of the literature 1979-1984] Widmer BR. **Schweiz Monatsschr Zahnmed** 1985 Jul;95(7):621-38 (166 ref.) (Eng. Abstr.) **(Ger)**

[Reliability of criteria for periodontal check-ups] Schneider HG, et al. **Zahn Mund Kieferheilkd** 1984;72(5):446-53 (Eng. Abstr.) **(Ger)**

[Differential diagnostic signs of periodontal diseases] Lemetskaia TI. **Stomatologiia (Mosk)** 1984 Nov-Dec;63(6):59-61 (Eng. Abstr.) **(Rus)**

[Experience in using the determination of bone alkaline phosphatase in diseases of the maxillofacial area] Kulikova VS, et al. **Vestn Akad Med Nauk SSSR** 1984;(12):63-5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

New method for local drug delivery using resorbable base material in periodontal therapy. Noguchi T, et al. **Bull Tokyo Med Dent Univ** 1984 Sep;31(3):145-53

Effect of self-administered daily irrigation with 0.02% SnF2 on periodontal disease activity. Boyd RL, et al. **J Clin Periodontol** 1985 Jul;12(6):420-31

Tetracyclines inhibit tissue collagenase activity. A new mechanism in the treatment of periodontal disease. Golub LM, et al. **J Periodont Res** 1984 Nov;19(6):651-5

Non-steroidal anti-inflammatory drug treatment of periodontitis in beagles. Williams RC, et al. **J Periodont Res** 1984 Nov;19(6):633-7

The Keyes technique and self-inflicted injuries. Three case reports. Austin G, et al. **J Periodontol** 1985 Sep;56(9):537-9

Periodontal disease treatment by local drug delivery. Goodson JM, et al. **J Periodontol** 1985 May;56(5):265-72

ENZYMOLOGY

Hydrolytic enzymes in healthy and unhealthy periodontal tissue. Jány Z, et al. **Czech Med** 1984;7(4):238-47

ETIOLOGY

Malnutrition and the oral health of children in Ogbomosho, Nigeria. Sawyer DR, et al. **ASDC J Dent Child** 1985 Mar-Apr;52(2):141-5

Periodontal implications of the adolescent cleft palate patient. Tan AE, et al. **Aust Dent J** 1985 Feb;30(1):8-14

Restorative dentistry and the periodontium. Sachs RI. **Dent Clin North Am** 1985 Apr;29(2):261-78 (39 ref.)

Etiology of chronic periodontal disease: an alternative perspective. Clarke NG, et al. **J Am Dent Assoc** 1985 May;110(5):689-91

Oral status of 'controlled' adolescent type I diabetics. Leeper SH, et al. **J Oral Med** 1985 Jul-Sep;40(3):127-33

Possible role of calcium in periodontal disease. Aleo JJ, et al. **J Periodontol** 1984 Nov;55(11):642-7

Effect of restoration quality on periodontal health. Grasso JE, et al. **J Prosthet Dent** 1985 Jan;53(1):14-9

Periodontal diseases and smoking [letter] Gutteridge DH. **Med J Aust** 1985 Sep 16;143(6):241

Caries, periodontal status and some salivary factors in lactovegetarians. Linkosalo E, et al. **Scand J Dent Res** 1985 Aug;93(4):304-8

[Periodontal aspects of endosseous implants] Fallschüssel GK. **Dtsch Zahnarztl Z** 1984 Jul;39(7):544-53 (Eng. Abstr.) **(Ger)**

[Etiology of periodontal diseases] Lang NP, et al. **Schweiz Monatsschr Zahnmed** 1985 Jan;95(1):59-70 (23 ref.) (Eng. Abstr.) **(Ger)**

[Periodontal diseases: etiology, pathogenesis and prevention] Manor A. **Harefuah** 1984 Nov 1;107(9):256-60 **(Heb)**

[Correlations of dental anomalies and periodontal diseases] Dénes J, et al. **Fogorv Sz** 1984 Sep;77(9):266-70 (Eng. Abstr.) **(Hun)**

[Relationships between orthodontics and periodontics in the developing child] Davis RK. **Rev Port Estomatol Cir Maxilofac** 1985 Jan-Mar;26(1):37-53 **(Por)**

[Role of proteolytic enzymes and vasoactive kinins in the pathogenesis of periodontosis] Khomenko LA. **Stomatologiia (Mosk)** 1984 Sep-Oct;63(5):24-6 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Phenotypic studies of cells from periodontal disease tissues. Taubman MA, et al. **J Periodont Res** 1984 Nov;19(6):587-90

Clinical studies of one family manifesting rapidly progressive, juvenile and prepubertal periodontitis. Spektor MD, et al. **J Periodontol** 1985 Feb;56(2):93-101

IMMUNOLOGY

Serum antibody reactive with predominant organisms in the subgingival flora of young adults with generalized severe periodontitis. Tew JG, et al. **Infect Immun** 1985 May;48(2):303-11

Local immunoglobulin synthesis in juvenile periodontitis: initial findings. Mason JD, et al. **J Dent Res** 1984 Oct;63(10):1211-3

Humoral immune responses to adenoviruses, herpes virus type 1, and Candida albicans in sera of dental patients with oral neoplastic and periodontal diseases. Winters WD, et al. **J Dent Res** 1984 Nov;63(11):1306-9

A study of antibodies and opsonic activity in human crevicular fluid in relation to periodontal disease. Challacombe SJ, et al. **J Periodont Res** 1984 Nov;19(6):604-8

The relationship of antibody response categories to clinical parameters of periodontal disease. Ebersole JL, et al. **J Periodont Res** 1984 Nov;19(6):609-13

Specific serum antibody levels and periodontal destruction. A double blind correlation analysis in Red Cross blood donors. Hrodek HK, et al. **J Periodont Res** 1984 Nov;19(6):614-7

Juvenile periodontitis--no linkage with HLA-antigens. Saxén L, et al. **J Periodont Res** 1984 Sep;19(5):441-4

Human antibody-dependent cellular cytotoxicity and natural killer cytotoxicity in periodontal disease. A preliminary report. Tsoumis GS, et al. **J Periodont Res** 1985 Mar;20(2):122-30

The cellular host response in juvenile periodontitis. A review. Sandholm L. **J Periodontol** 1985 Jun;56(6):359-66 (129 ref.)

Parotid saliva agglutinins for sheep erythrocytes as a measure of ongoing inflammation in periodontal disease. Suber JF, et al. **J Periodontol** 1984 Sep;55(9):512-5

Immunologic profile of juvenile periodontitis. II. Neutrophil chemotaxis, phagocytosis and spore germination. Suzuki JB, et al. **J Periodontol** 1984 Aug;55(8):461-7

Immunologic profile of juvenile periodontitis. I. Lymphocyte blastogenesis and the autologous mixed lymphocyte response. Suzuki JB, et al. **J Periodontol** 1984 Aug;55(8):453-60

Role of the neutrophil in oral disease: receptor deficiency in leukocytes from patients with juvenile periodontitis. Van Dyke TE. **Rev Infect Dis** 1985 May-Jun;7(3):419-25 (60 ref.)

[Host responses in juvenile periodontitis] Sandholm L. **Proc Finn Dent Soc** 1984;80(5-6):260-2 (Eng. Abstr.) **(Fin)**

[Indices of the completion of phagocytosis by neutrophils in the peripheral blood of periodontitis and periodontosis patients] Bykova IA, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):18-20 (Eng. Abstr.) **(Rus)**

[Functional activity of lymphocyte immunoregulatory subpopulations in periodontal diseases] Isaev VN, et al. **Stomatologiia (Mosk)** 1984 Sep-Oct;63(5):22-4 (Eng. Abstr.) **(Rus)**

METABOLISM

Arachidonic acid metabolism in inflamed gingiva and its inhibition by anti-inflammatory drugs. ElAttar TM, et al. **J Periodontol** 1984 Sep;55(9):536-9

Determination of the presence of root-bound endotoxin using the local Shwartzman phenomenon (LSP). Ito K, et al. **J Periodontol** 1985 Jan;56(1):8-17

Cytokeratins in the gingival epithelium of clinically healthy and periodontally diseased subjects. Syrjänen S, et al. **Proc Finn Dent Soc** 1984;80(3):115-20

[Changes in the levels of glycolysis and tricarboxylic acid cycle metabolites in cat tissues during periodontosis] Pakhomova VA, et al. **Ukr Biokhim Zh** 1985 Jan-Feb;57(1):70-3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Does modern microbiological knowledge imply antibiotic therapy in periodontal disease? van Palenstein Helderman W. **Dtsch Zahnarztl Z** 1984 Aug;39(8):623-9 (38 ref.)

Comparison of Bacteroides zoogleoformans strains isolated from soft tissue infections in cats with strains from periodontal disease in humans. Love DN, et al. **Infect Immun** 1985 Jan;47(1):166-8

Comparative bacteriology of juvenile periodontitis. Moore WE, et al. **Infect Immun** 1985 May;48(2):507-19

Clinical, microbiological and immunological features associated with the treatment of active periodontosis lesions. Haffajee AD, et al. **J Clin Periodontol** 1984 Oct;11(9):600-18

Sampling of subgingival microbiota for dark-field microscopy. Magnusson I, et al. **J Clin Periodontol** 1985 Mar;12(3):209-15

The composition of the subgingival microflora of young adults suffering from juvenile periodontitis. Müller HP, et al. **J Clin Periodontol** 1985 Feb;12(2):113-23

Actinobacillus actinomycetemcomitans in human periodontal disease. Zambon JJ. **J Clin Periodontol** 1985 Jan;12(1):1-20 (163 ref.)

The stimulation of human peripheral blood lymphocytes by oral bacteria: macrophage and T-cell dependence. Baker JJ, et al. **J Dent Res** 1985 Jun;64(6):906-12

Diagnostic potential of chromogenic substrates for rapid detection of bacterial enzymatic activity in health and disease associated periodontal plaques. Syed SA, et al. **J Periodont Res** 1984 Nov;19(6):618-21

Transmission and colonization of Actinobacillus actinomycetemcomitans in localized juvenile periodontitis patients. Christersson LA, et al. **J Periodontol** 1985 Mar;56(3):127-31

Mycoplasma in periodontal disease. Isolation in juvenile periodontitis. Newman MG, et al. **J Periodontol** 1984 Oct;55(10):574-80

The colonization and establishment of invading bacteria in periodontium of ligature-treated immunosuppressed rats. Sanavi F, et al. **J Periodontol** 1985 May;56(5):273-80

Bacteriology in juvenile periodontitis. A review. Sandholm L. **Proc Finn Dent Soc** 1985;81(2):63-76 (140 ref.)

Symposium on plaque ecology and dental diseases. 23rd-26th August 1984, Oslo. **Scand J Dent Res** 1985 Apr;93(2):90-134

[Juvenile periodontitis] Städtler P, et al. **Zahn Mund Kieferheilkd** 1984;72(8):811-7 (Eng. Abstr.) **(Ger)**

[The oxygen tolerance of some strict anaerobes from periodontal diseases] Kitagaki K, et al. **Kansenshogaku Zasshi** 1984 Nov;58(11):1170-6 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

A survey of periodontal conditions in Saskatchewan adolescents. Wolfson SM, et al. **Can Dent Assoc J** 1985 Jul;51(7):486-9

Periodontal disease, tooth loss, and oral hygiene among older Americans. Burt BA, et al. **Community Dent Oral Epidemiol** 1985 Apr;13(2):93-6

Demand for dental care in Sri Lanka. Warnakulasuriya S. **Community Dent Oral Epidemiol** 1985 Apr;13(2):68-9

Periodontal conditions, remaining teeth and oral hygiene habits in a group of Vietnamese refugees in Norway. Selikowitz HS, et al. **J Clin Periodontol** 1985 Jan;12(1):42-50

Oral health status in the United States: prevalence of inflammatory periodontal diseases. Page RC. **J Dent Educ** 1985 Jun;49(6):354-67

Smoking and periodontal disease in the Finnish population aged 30 years and over. Markkanen H, et al. **J Dent Res** 1985 Jun;64(6):932-5

Oral health of children of migrant farm workers in northwest Michigan. Woolfolk M, et al. **J Public Health Dent** 1984 Summer;44(3):101-5

PUBLIC LIBRARY

The magnitude of the periodontal disease problem. Cutress TW. **NZ Dent J** 1984 Oct;80(362):115-9

PARASITOLOGY

Dental myiasis. Shah HA, et al. **J Oral Med** 1984 Oct-Dec; 39(4):210-1

PATHOLOGY

Inflammatory cells and their subsets in lesions of juvenile periodontitis. A family study. Syrjänen S, et al. **Acta Odontol Scand** 1984 Oct;42(5):285-92

Benign fibro-osseous jaw lesions of periodontal membrane origin. An analysis of 249 cases. Hamner JE 3d, et al. **Cancer** 1968 Oct;22(4):861-78

Surface coatings on dental cementum incident to periodontal disease. (II). Scanning electron microscopic confirmation of a mineralized cuticle. Eide B, et al. **J Clin Periodontol** 1984 Oct;11(9):565-75

Papillon-Lefevre syndrome: report of a case. Willett LM, et al. **J Oral Med** 1985 Jan-Mar;40(1):43-5

The significance of alveolar bone in periodontal disease. An experimental study in the dog. Nyman S, et al. **J Periodont Res** 1984 Sep;19(5):520-5

Histologic evaluation of new attachment in humans. A preliminary report. Bowers GM, et al. **J Periodontol** 1985 Jul;56(7):381-96

A histologic evaluation of dental pulp tissue of a patient with periodontal disease. Torabinejad M, et al. **Oral Surg Oral Med Oral Pathol** 1985 Feb;59(2):198-200

Cells and cellular interactions in gingival crevice washings from patients with juvenile periodontitis. Sandholm L. **Scand J Dent Res** 1984 Oct;92(5):436-42

PHYSIOPATHOLOGY

Orthodontic extrusion of single-rooted teeth affected with advanced periodontal disease. van Venrooy JR, et al. **Am J Orthod** 1985 Jan;87(1):67-74

Destructive forms of periodontal disease in adolescents and young adults. Davies RM, et al. **Br Dent J** 1985 Jun 22; 158(12):429-36

A young woman with muscle cramps and periodontal disease. Seitzinger DB, et al. **Hosp Pract [Off]** 1985 Feb 15; 20(2):48E, 48F

A longitudinal study of untreated periodontal disease. Buckley LA, et al. **J Clin Periodontol** 1984 Sep;11(8):523-30

Effect of periodic tooth displacement on healing of experimental furcation defects in dogs. Klinge B, et al. **J Clin Periodontol** 1985 Mar;12(3):239-46

Bone regeneration pattern and ankylosis in experimental furcation defects in dogs. Klinge B, et al. **J Clin Periodontol** 1985 Jul;12(6):456-64

The thermodynamic behaviour of labial gingiva in patients with destructive periodontal disease. Mörmann WH, et al. **J Clin Periodontol** 1985 Jul;12(6):477-93

Corticosteroid therapy and periodontal disease. Safkan B, et al. **J Clin Periodontol** 1984 Sep;11(8):515-22

Age-related expression of juvenile periodontitis. Saxén L, et al. **J Clin Periodontol** 1985 Jan;12(1):21-6

Experimental gingivitis in relation to susceptibility to periodontal disease. (I.) Clinical observations. van der Velden U, et al. **J Clin Periodontol** 1985 Jan;12(1):61-8

Determination of periodontal disease activity by a bone resorption assay. Feldman RS, et al. **J Periodont Res** 1984 Nov;19(6):628-32

Effects of experimental diabetes mellitus on alveolar bone loss in periodontal disease-susceptible mice. Johnson RB. **J Periodont Res** 1985 May;20(3):307-16

The periodontal status of prospective and renal transplant patients. Comparison with systemically healthy subjects. Tollefsen T, et al. **J Periodont Res** 1985 Mar;20(2):220-6

Periodontal status in patients before and after renal allotransplantation. Tollefsen T, et al. **J Periodont Res** 1985 Mar;20(2):227-36

[Loss of adhesiveness in teeth extracted for periodontal disease and caries] Gorzó I, et al. **Fogorv Sz** 1985 Feb; 78(2):50-7 (Eng. Abstr.) **(Hun)**

PREVENTION & CONTROL

'Teeth need gums'. Periodontal health: the profession's responsibility. Beal JF, et al. **Br Dent J** 1985 Jan 5;158(1):31

The scientific basis of dental health education. A Health Education Council Policy Document. Levine RS. **Br Dent J** 1985 Mar 23;158(6):223-6

Dental problems in childhood. **Ceylon Med J** 1984 Mar; 29(1):51-60

For patients' best interests [letter] Bhaskar SN. **J Am Dent Assoc** 1984 Nov;109(5):684

A fused central incisor. Periodontal considerations in comprehensive treatment. Blank BS, et al. **J Periodontol** 1985 Jan;56(1):21-4

Can dental hygienists affect the periodontal health of the nation? The dental hygienist: A primary care provider. Odrich J. **J Public Health Dent** 1985 Spring;45(2):64-9

Can dental hygienists affect the periodontal health of the nation? An assessment of the future of dental hygiene. Pattison AM. **J Public Health Dent** 1985 Spring;45(2):69-74

If you can build a better mousetrap, build it! Keyes PH. **NY State Dent J** 1985 May;51(5):262-3

Prevention and control of periodontal disease at the community level: is it feasible? Evaluation of the success of clinical trials and community programmes. Ainamo J. **NZ Dent J** 1984 Oct;80(362):112-4

Prevention and control of periodontal disease at the community level: is it feasible? Reaction: consensus and contention. Davis P. **NZ Dent J** 1984 Oct;80(362):125-7

Prevention and control of periodontal disease at the community level: is it feasible? The scientific basis of periodontal disease prevention. Löe H. **NZ Dent J** 1984 Oct;80(362):108-11

Prevention and control of periodontal disease at the community level: is it feasible? Implementation at the community level. Pilot T. **NZ Dent J** 1984 Oct; 80(362):119-23

Prevention and control of periodontal disease at the community level: is it feasible? Reaction: the implication of research findings. Powell R. **NZ Dent J** 1984 Oct; 80(362):123-5

PSYCHOLOGY

Periodontal disease awareness. Brady WF. **J Am Dent Assoc** 1984 Nov;109(5):706-10

RADIOGRAPHY

Investigation of the relationship between clinically detected loss of attachment and radiographic changes in early periodontal disease. Mann J, et al. **J Clin Periodontol** 1985 Mar;12(3):247-53

Film-holder device for radiographic assessment of periodontal tissues. Nery EB, et al. **J Periodont Res** 1985 Jan;20(1):97-105

Visualization of the human periodontium using serial thin section contact radiography. Moskow BS, et al. **J Periodontol** 1985 Apr;56(4):223-33

RADIONUCLIDE IMAGING

Bone-seeking radiopharmaceutical uptake as an indicator of active alveolar bone loss in untreated and surgically treated teeth in beagle dogs. Jeffcoat MK, et al. **J Periodont Res** 1985 May;20(3):301-6

SURGERY

The effects of nonsteroidal anti-inflammatory analgesics on pain after periodontal surgery. Vogel RI, et al. **J Am Dent Assoc** 1984 Nov;109(5):731-4

The effect of citric acid and fibronectin application on healing following surgical treatment of naturally occurring periodontal disease in beagle dogs. Caffesse RG, et al. **J Clin Periodontol** 1985 Aug;12(7):578-90

Significance of probing force for evaluation of healing following periodontal therapy. Chamberlain AD, et al. **J Clin Periodontol** 1985 Apr;12(4):306-11

Microbiological and clinical effects of surgical treatment of localized juvenile periodontitis. Christersson LA, et al. **J Clin Periodontol** 1985 Jul;12(6):465-76

Healing after treatment of periodontal intraosseous defects. IV. Effect of a non-resective versus a partially resective approach. Durwin A, et al. **J Clin Periodontol** 1985 Aug; 12(7):525-39

The effect of root planing as compared to that of surgical treatment. Isidor F, et al. **J Clin Periodontol** 1984 Nov; 11(10):669-81

Healing after treatment of periodontal intraosseous defects. III. Effect of osseous grafting and citric acid conditioning. Renvert S, et al. **J Clin Periodontol** 1985 Jul;12(6):441-55

Root resorption following periodontal flap procedures in monkeys. Magnusson I, et al. **J Periodont Res** 1985 Jan; 20(1):79-85

Longitudinal evaluation of durapatite ceramic as as alloplastic implant in periodontal osseous defects after 3 years [letter] **J Periodontol** 1985 Jul;56(7):433-4

An evaluation of tricalcium phosphate implants in human periodontal osseous defects of two patients. Baldock WT, et al. **J Periodontol** 1985 Jan;56(1):1-7

The effect of root planing and citric acid applications on flap healing in humans. A histologic evaluation. Kashani HG, et al. **J Periodontol** 1984 Dec;55(12):679-83

The use of a porous hydroxylapatite implant in periodontal defects. I. Clinical results after six months. Kenney EB, et al. **J Periodontol** 1985 Feb;56(2):82-8

Freeze-dried bone allografts combined with tetracycline in the treatment of juvenile periodontitis. Mabry TW, et al. **J Periodontol** 1985 Feb;56(2):74-81

Hydroxylapatite as an alloplastic graft in the treatment of human periodontal osseous defects. Meffert RM, et al. **J Periodontol** 1985 Feb;56(2):63-73

Evaluation of durapatite ceramic as an alloplastic implant in periodontal osseous defects. II. Twelve month reentry results. Yukna RA, et al. **J Periodontol** 1985 Sep; 56(9):540-7

[A preliminary study of cartilaginous homografting in the treatment of periodontal diseases] Han JQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Jun;19(2):81-2 **(Chi)**

THERAPY

The relationship between periodontal disease and its treatment in the General Dental Service in Scotland. Eddie S, et al. **Br Dent J** 1984 Oct 6;157(7):235-9

Metronidazole as an adjunct to periodontal therapy with sub-gingival curettage. Sterry KA, et al. **Br Dent J** 1985 Mar 9;158(5):176-8

Calcium hydroxide: root resorption and perio-endo lesions. Stock CJ. **Br Dent J** 1985 May 11;158(9):325-34

Canadian Academy of Periodontology endorses importance of NIH study on Keyes method. **Can Dent Assoc J** 1985 Apr;51(4):285-8

Reliability of the CPITN in the epidemiological assessment of periodontal treatment needs at 13-15 years of age. Ainamo J, et al. **Int Dent J** 1984 Sep;34(3):214-8

Use of the CPITN in populations under 20 years of age. Ainamo J, et al. **Int Dent J** 1984 Dec;34(4):285-91

Treatment confusion [letter] Bloom J. **J Am Dent Assoc** 1985 Jan;110(1):12, 14

Another call for facts [letter] Greenstein G. **J Am Dent Assoc** 1984 Dec;109(6):882

A call for facts [letter] Keyes PH. **J Am Dent Assoc** 1984 Sep;109(3):398, 400

Enough already? [letter] MallinRJ, et al. **J Am Dent Assoc** 1985 Apr;110(4):464, 466

Dental management of a patient with glycogen storage disease type I. Ralls SA, et al. **J Am Dent Assoc** 1985 May; 110(5):723-6

New attachment formation as the result of controlled tissue regeneration. Gottlow J, et al. **J Clin Periodontol** 1984 Sep; 11(8):494-503

Survival analysis of periodontal sites before and after periodontal therapy. Haffajee AD, et al. **J Clin Periodontol** 1985 Aug;12(7):553-67

Evaluation of cause-related periodontal therapy and compliance with maintenance care recommendations. Johansson LA, et al. **J Clin Periodontol** 1984 Nov; 11(10):689-99

Scaling and granulation tissue removal in periodontal therapy. Lindhe J, et al. **J Clin Periodontol** 1985 May; 12(5):374-88

Long-term maintenance of patients treated for advanced periodontal disease. Lindhe J, et al. **J Clin Periodontol** 1984 Sep;11(8):504-14

Effect of topical application of citric acid in the treatment of furcation involvement in human lower molars. Parodi RJ, et al. **J Clin Periodontol** 1984 Nov;11(10):644-51

Effect of periodontal therapy on spontaneous lymphocyte response and neutrophil chemotaxis in localized and generalized juvenile periodontitis patients. Suzuki JB, et al. **J Clin Periodontol** 1985 Feb;12(2):124-34

Improved periodontal conditions following therapy. Westfelt E, et al. **J Clin Periodontol** 1985 Apr;12(4):283-93

Periodontal treatment without maintenance. A retrospective study in 44 patients. Becker W, et al. **J Periodontol** 1984 Sep;55(9):505-9

Pocket formation 3 years after comprehensive periodontal therapy. A retrospective study. Halazonetis TD, et al. **J Periodontol** 1985 Sep;56(9):515-21

A clinical trial of phenoxymethyl penicillin for adjunctive treatment of juvenile periodontitis. Kunihira DM, et al. **J Periodontol** 1985 Jun;56(6):352-8

The long-term effectiveness of periodontal therapy in a clinical practice. Meador HL, et al. **J Periodontol** 1985 May;56(5):253-8

Compliance with maintenance therapy in a private periodontal practice. Wilson TG Jr, et al. **J Periodontol** 1984 Aug;55(8):468-73

Changing concepts in periodontics [letter] **J Prosthet Dent** 1985 Jun;53(6):884-5

Endodontic considerations in the design of acid-etched anterior splints for patients with reduced periodontal support. Gholston LR, et al. **J Prosthet Dent** 1985 Jul; 54(1):29-33

Changing concepts in periodontics. Ramfjord SP. **J Prosthet Dent** 1984 Dec;52(6):781-6

Can dental hygienists affect the periodontal health of the nation? Trends and potentials for dental hygiene. Walsh MM. **J Public Health Dent** 1985 Spring;45(2):60-4

Preserving the natural dentition utilizing the root amputation technique. Zeichner J. **NY J Dent** 1985 Apr-May; 55(4):129-32

The Keyes technique. A commentary. Baer PN. **NY State Dent J** 1984 Dec;50(10):674-5

Gross distortions [letter] Keyes PH. **NY State Dent J** 1984 Aug-Sep;50(7):398-9

Malpractice and periodontal disease [letter] Treitel K, et al. **NY State Dent J** 1984 Aug-Sep;50(7):400

[The importance of prosthetic care in the treatment of periodontal diseases] Kominková O. **Sb Lek** 1984 Dec; 86(11-12):342-8 (Eng. Abstr.) **(Cze)**

[Juvenile periodontitis. An approach to conservative treatment] Roy S. **Can Dent Assoc J** 1985 Jan;51(1):85-9 (Eng. Abstr.) **(Fre)**

[Support for periodontal treatment of the adult dentition through orthodontic measures] Diedrich P. **Dtsch Zahnarztl Z** 1984 Aug;39(8):570-80 (Eng. Abstr.) **(Ger)**

[What does the periodontologist expect of the prosthodontist?] Erpenstein H. **Dtsch Zahnarztl Z** 1984 Aug;39(8):563-9 (Eng. Abstr.) **(Ger)**

[What does the prosthodontist expect of the periodontologist?] Kerschbaum T. **Dtsch Zahnarztl Z** 1984 Aug;39(8):558-62 (Eng. Abstr.) **(Ger)**

[Combined treatment of periodontal patients] Borovskii EV, et al. **Stomatologiia (Mosk)** 1984 Nov-Dec;63(6):76-8 **(Rus)**

[Experience in using physiotherapy in periodontitis in children] Lapidus Ela. **Stomatologiia (Mosk)** 1984 Nov-Dec;63(6):53-5 (Eng. Abstr.) **(Rus)**

VETERINARY

A correlative study of the clinical and radiographic signs of periodontal disease in dogs. Smith MM, et al. **J Am Vet Med Assoc** 1985 Jun 15;186(12):1286-90

Dental calculus and periodontal disease in sheep. Baker JR, et al. **Vet Rec** 1984 Oct 20;115(16):411-2

PERIODONTAL DRESSINGS

PHARMACODYNAMICS

Current status of periodontal dressings. Sachs HA, et al. **J Periodontol** 1984 Dec;55(12):689-96 (122 ref.)

THERAPEUTIC USE

[Use of chlorhexidine as an alternative to a periodontal surgical pack] Picarelli A, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):307-11 (54 ref.) (Eng. Abstr.) **(Ita)**

PERIODONTAL INDEX

Reproducibility of a clinical screening method for assessing gingival inflammation, pockets and plaque retentions. Markkanen H, et al. **Community Dent Oral Epidemiol** 1985 Feb;13(1):33-6

Use of the CPITN in populations under 20 years of age. Ainamo J, et al. **Int Dent J** 1984 Dec;34(4):285-91

Marginal bone height in adolescents participating in different preventive dental care programs. Teiwik A, et al. **J Clin Periodontol** 1984 Oct;11(9):590-9

Assessment of inter-examiner agreement in scoring periodontal disease. Mann J, et al. **J Periodont Res** 1985 Jan;20(1):86-90

[Reliability of criteria for periodontal check-ups] Schneider HG, et al. **Zahn Mund Kieferheilkd** 1984;72(5):446-53 (Eng. Abstr.) **(Ger)**

PERIODONTAL LIGAMENT

ANATOMY & HISTOLOGY

The minimal width of the periodontal space. Ralph WJ, et al. **J Oral Rehabil** 1984 Sep;11(5):415-8

BLOOD SUPPLY

Fenestrated capillaries in the connective tissues of the periodontal ligament. Moxham BJ, et al. **Microvasc Res** 1985 Jul;30(1):116-24

CYTOLOGY

Progenitor cell populations in the periodontal ligament of mice. McCulloch CA. **Anat Rec** 1985 Mar;211(3):258-62

Isolation and growth of human periodontal ligament cells in vitro. Ragnarsson B, et al. **J Dent Res** 1985 Aug;64(8):1026-30

GROWTH & DEVELOPMENT

[Structure of the periodontal ligament during tooth eruption in the dog: descriptive aspects] Lozupone E, et al. **Boll Soc Ital Biol Sper** 1985 Jan 30;61(1):67-72 (Eng. Abstr.) **(Ita)**

INNERVATION

Sensory innervation of periodontal ligament of rat molars consists of unencapsulated Ruffini-like mechanoreceptors and free nerve endings. Byers MR. **J Comp Neurol** 1985 Jan 22;231(4):500-18

The distribution of afferent neurones in the mesencephalic nucleus of the fifth nerve in the cat. Gottlieb S, et al. **J Comp Neurol** 1984 Sep 10;228(2):273-83

METABOLISM

Ultrastructural and cytochemical studies of the fate of unsecreted collagen precursors after administration of colchicine to mice. Cho MI, et al. **Acta Anat (Basel)** 1985;121(4):205-15

Composition and metabolism of the extracellular matrix in the periodontal ligament of impeded and unimpeded rat incisors. van den Bos T, et al. **Arch Oral Biol** 1984;29(11):893-7

PATHOLOGY

Intraligamentary anesthesia--a histological study. Galili D, et al. **Int J Oral Surg** 1984 Dec;13(6):511-6

Histologic evaluation of new attachment in humans. A preliminary report. Bowers GM, et al. **J Periodontol** 1985 Jul;56(7):381-96

PHYSIOLOGY

Cryopreservation before replantation of mature teeth in monkeys. (II). Effect of preincubation, different freezing and equilibration rates and endodontic treatment upon periodontal healing. Schwartz O, et al. **Int J Oral Surg** 1985 Aug;14(4):350-61

New attachment formation as the result of controlled tissue regeneration. Gottlow J, et al. **J Clin Periodontol** 1984 Sep;11(8):494-503

New attachment formation on teeth with a reduced but healthy periodontal ligament. Karring T, et al. **J Clin Periodontol** 1985 Jan;12(1):51-60

Microtubules in periodontal ligament cells in relation to tooth eruption and collagen degradation. Beertsen W, et al. **J Periodont Res** 1984 Sep;19(5):489-500

SURGERY

The influence of primary periosteoplasty on maxillary growth and deciduous occlusion in cases of complete unilateral cleft lip and palate. A longitudinal study from infancy to the age of 5. Hellquist R, et al. **Scand J Plast Reconstr Surg** 1976;10(3):197-208

ULTRASTRUCTURE

The effects of preventing movement of the rat incisor on the structure of its periodontal ligament. Shore RC, et al. **Arch Oral Biol** 1985;30(3):221-8

Changes in collagen fibril diameters in a lathyritic connective tissue. Shore RC, et al. **Connect Tissue Res** 1984;12(3-4):249-55

Ultrastructural cytochemistry of oxytalan fibers in the periodontal ligament and microfibrils in the aorta with the periodic acid-thiocarbohydrazide-silver proteinate method. Takagi M, et al. **J Oral Pathol** 1984 Dec;13(6):671-8

PERIODONTAL POCKET see under **PERIODONTITIS**

PERIODONTAL PROSTHESIS

A maxillary oversplint. Thomson ER. **Br J Oral Maxillofac Surg** 1985 Feb;23(1):58-9

Occlusal splints (MORA) vs. placebos show no difference in strength in symptomatic subjects: double blind/cross-over study. Allen ME, et al. **Can J Appl Sport Sci** 1984 Sep;9(3):148-52

Reproducibility of pocket depth and attachment level measurements when using a flexible splint. Isidor F, et al. **J Clin Periodontol** 1984 Nov;11(10):662-8

Effect of splint placement on black-pigmented Bacteroides and spirochetes in the dental plaque of beagle dogs. Mikx FH, et al. **J Dent Res** 1984 Nov;63(11):1284-8

Splinting of teeth with fixed bridges: biological effect. Renggli HH, et al. **J Oral Rehabil** 1984 Nov;11(6):535-7

Endodontic considerations in the design of acid-etched anterior splints for patients with reduced periodontal support. Gholston LR, et al. **J Prosthet Dent** 1985 Jul;54(1):29-33

Cross-arch splinting with resin-bonded retainers. Rothschild HL. **J Prosthet Dent** 1985 May;53(5):627-8

Splinting for stabilization: a conservative, esthetic and economical technique. Federick DR. **NY J Dent** 1984 Dec;54(8):383-8

[Theoretical analysis of the biomechanical effects of periodontal splints] Zhou SM. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Jun;19(2):86-9 **(Chi)**

[Effect of temporary dental splinting on the function of the maxillodental system in periodontal diseases] Viaz'min AIa. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):20-2 (Eng. Abstr.) **(Rus)**

PERIODONTAL SPLINTS see under **PERIODONTAL PROSTHESIS**

PERIODONTICS

[Systematic periodontal treatment from the scientific viewpoint] Fesseler A. **Dtsch Zahnarztl Z** 1984 Jul;39(7):490-5 (43 ref.) **(Ger)**

[Failures in periodontics] Rateitschak KH. **Schweiz Monatsschr Zahnmed** 1985 Jul;95(7):609-20 (Eng. Abstr.) **(Ger)**

EDUCATION

Curriculum guidelines for periodontics. **J Dent Educ** 1985 Aug;49(8):611-5

HISTORY

Periodontics. The past. Part (II). The development of modern periodontics. Gold SI. **J Clin Periodontol** 1985 Mar;12(3):171-89

Paeeriodontics. The past. Microbiology. Part (III). Gold SI. **J Clin Periodontol** 1985 Apr;12(4):257-69

Periodontics. The past. Part (I). Early sources. Gold SI. **J Clin Periodontol** 1985 Feb;12(2):79-97

INSTRUMENTATION

Effect of non-surgical periodontal therapy. VI. Localization of sites with probing attachment loss. Badersten A, et al. **J Clin Periodontol** 1985 May;12(5):351-9

Significance of probing force for evaluation of healing following periodontal therapy. Chamberlain AD, et al. **J Clin Periodontol** 1985 Apr;12(4):306-11

A comparison of 3 systems for quantifying gingival crevicular fluid with respect to linearity and the effects of qualitative differences in fluids. Hinrichs JE, et al. **J Clin Periodontol** 1984 Nov;11(10):652-61

Reproducibility of pocket depth and attachment level measurements when using a flexible splint. Isidor F, et al. **J Clin Periodontol** 1984 Nov;11(10):662-8

Measuring and interpreting increases in probing depth and attachment loss. Aeppli DM, et al. **J Periodontol** 1985 May;56(5):262-4

Accuracy at radiography and probing for the diagnosis of proximal caries. Mejàre I, et al. **Scand J Dent Res** 1985 Apr;93(2):178-84

TRENDS

Presidential address. Barrington EP. **J Periodontol** 1985 Mar;56(3):168-71

[Practical periodontology today--a contribution from the point of view of current practice] Meier C. **Schweiz Monatsschr Zahnmed** 1984 Oct;94(10):1097-101 (Eng. Abstr.) **(Ger)**

[Little man--what now?] Saladin R. **Schweiz Monatsschr Zahnmed** 1985 Apr;95(4):335-42 **(Ger)**

[Status and trends in the development of periodontal care in the Ukrainian SSR] Varava GN, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):75-6 **(Rus)**

PERIODONTITIS

BLOOD

T lymphocyte subsets in the inflamed gingiva of human adult periodontitis. Okada H, et al. **J Periodont Res** 1984 Nov;19(6):595-8

Abnormal leukocyte motility in patients with early-onset periodontitis. Page RC, et al. **J Periodont Res** 1984 Nov;19(6):591-4

COMPLICATIONS

The relationship between periodontitis and the maxillary sinus. Lane JJ, et al. **J Periodontol** 1984 Aug;55(8):477-81

Pulmonary actinomycosis of periodontal origin. Suzuki JB, et al. **J Periodontol** 1984 Oct;55(10):581-4

DIAGNOSIS

Current therapeutics: prognostic value of purulent discharge from periodontal pockets of a patient with chronic periodontitis. Kaimenyi JT. **East Afr Med J** 1984 Oct;61(10):791-2

Reproducibility of pocket depth and attachment level measurements when using a flexible splint. Isidor F, et al. **J Clin Periodontol** 1984 Nov;11(10):662-8

Activity of serum immunoglobulins G, A, and M to six anaerobic, oral bacteria in diagnosis of periodontitis. Tolo K, et al. **J Periodont Res** 1985 Mar;20(2):113-21

DRUG THERAPY

Single-blind clinical trial comparing use of fentiazac and paracetamol in postendodontic periodontitis. Leguen MA. **Clin Ther** 1985;7(2):145-50

The development and clinical use of acrylic strips containing anti-microbial agents in the management of chronic periodontitis. Addy M, et al. **Int Dent J** 1985 Jun;35(2):124-32

Influence of 3-methoxy 5,7,3',4'-tetrahydroxyflavan (ME) on experimental periodontitis in the golden hamster. Gineste M, et al. **J Biol Buccale** 1984 Sep;12(3):259-65

Antimicrobial irrigation of deep pockets to supplement oral hygiene instruction and root debridement. I. Bi-weekly irrigation. MacAlpine R, et al. **J Clin Periodontol** 1985 Aug;12(7):568-77

Folate mouthwash: effects on established gingivitis in periodontal patients. Pack AR. **J Clin Periodontol** 1984 Oct;11(9):619-28

New attachment formation on citric acid and non-citric acid treated roots. Karring T, et al. **J Periodont Res** 1984 Nov;19(6):666-9

The application of a collagen stabilizer to the gingiva of the beagle dog. Effect on ligature-induced periodontal disease. Ciancio SG, et al. **J Periodontol** 1985 Mar;56(3):148-53

Changes of subgingival total colony forming units and black pigmented bacteroides after a single irrigation of periodontal pockets with 1.64% SnF2. Schmid E, et al. **J Periodontol** 1985 Jun;56(6):330-3

[Effect of indomethacin on the development of periodontitis in relatively gnotobiotic rats] Hefti A, et al. **Schweiz Monatsschr Zahnmed** 1985 Jan;95(1):71-6 (Eng. Abstr.) **(Ger)**

[Fosfomycin: a further clinical contribution in oral cavity pathology] Gualandi G, et al. **Clin Ter** 1984 Oct 15;111(1):53-6 (Eng. Abstr.) **(Ita)**

[Short-term clinico-statistical study of the anti-inflammatory activity of proglumetacin in ambulatory dental practice] Floris N, et al. **Minerva Stomatol** 1985 May-Jun;34(3):573-8 (Eng. Abstr.) **(Ita)**

[Fundamental and clinical studies of cefaclor in oral surgery] Morihana K, et al. **Jpn J Antibiot** 1984 Jun;37(6):1006-22 (Eng. Abstr.) **(Jpn)**

[Clinical studies on TMS-19-Q.O tablets, the preparation of a new macrolide antibiotic, in the field of oral surgery] Sasaki J, et al. **Jpn J Antibiot** 1985 Mar;38(3):615-33 (Eng Abstr.) **(Jpn)**

[Subgingival plaque control] Kitamura S. **Kokubyo Gakkai Zasshi** 1984 Dec;51(4):734 **(Jpn)**

NEWARK PUBLIC LIBRARY

[Treatment of periodontitis by electrophoresis] Artiukhina RA. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):79-80 **(Rus)**

[Use of the immobilized proteolytic enzyme profezim in the combined treatment of periodontal diseases] Belikov PP, et al. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):17-8 (Eng. Abstr.) **(Rus)**

[Experimental basis for the clinical use of lysozyme for treating chronic periodontitis] Groshikov MI, et al. **Stomatologiia (Mosk)** 1984 Sep-Oct;63(5):4-5 (Eng. Abstr.) **(Rus)**

[Use of thymalin in treating periodontitis patients] Kuznik BI, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):20-2 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Aspartate aminotransferase increases in crevicular fluid during experimental periodontitis in beagle dogs. Chambers DA, et al. **J Periodontol** 1984 Sep;55(9):526-30

ETIOLOGY

Pocket formation 3 years after comprehensive periodontal therapy. A retrospective study. Halazonetis TD, et al. **J Periodontol** 1985 Sep;56(9):515-21

FAMILIAL & GENETIC

Clinical studies of one family manifesting rapidly progressive, juvenile and prepubertal periodontitis. Spektor MD, et al. **J Periodontol** 1985 Feb;56(2):93-101

IMMUNOLOGY

A simple method for extracting human lymphocyte stimulants from human dental plaque bacteria of the genus Actinomyces. Baker JJ. **Arch Oral Biol** 1984;29(9):713-9

Immunoregulation in severe generalized periodontitis. McAnulty K, et al. **Clin Immunol Immunopathol** 1985 Jan;34(1):84-93

Serum antibody reactive with predominant organisms in the subgingival flora of young adults with generalized severe periodontitis. Tew JG, et al. **Infect Immun** 1985 May;48(2):303-11

Relationship between gingival crevicular fluid and serum antibody titers in young adults with generalized and localized periodontitis. Tew JG, et al. **Infect Immun** 1985 Sep;49(3):487-93

Mediators of bacterial virulence in chronic adult periodontitis. Levine M. **J Periodont Res** 1984 Nov;19(6):578-82

Simultaneous assessment of complement components C3, C4, and B and their cleavage products in human gingival fluid. I. Reliability of the method. Niekrash CE, et al. **J Periodont Res** 1985 May;20(3):260-7

The relationship of complement cleavage in gingival fluid to periodontal diseases. Niekrash CE, et al. **J Periodont Res** 1984 Nov;19(6):622-7

Local and systemic production of immunoglobulins to periodontopathogens in periodontal disease. Suzuki JB, et al. **J Periodont Res** 1984 Nov;19(6):599-603

Gingival sulcular leukocytes in periodontitis and in experimental gingivitis in humans. Thurre C, et al. **J Periodont Res** 1984 Sep;19(5):457-68

Host responses to bacteria and bacterial products in periodontal disease: immunosuppressive effects of periodontitis-related microorganisms? Kristoffersen T. **Scand J Dent Res** 1985 Apr;93(2):112-8 (52 ref.)

[T and B cells in gingival tissue in periodontitis] Chen JX. **Chung Hua Kou Chiang Ko Tsa Chih** 1984 Sep;19(3):171-2 **(Chi)**

[Humoral immunity at the serum and saliva levels in periodontopathies] Vergano V, et al. **Minerva Stomatol** 1985 Mar-Apr;34(2):339-42 (Eng. Abstr.) **(Ita)**

[Accumulation of lymphocytes forming autologous rosettes in the microcirculatory bed of the gingiva of patients with the inflammatory-dystrophic form of periodontosis. Its possible pathogenetic significance] Zhiakonis IM. **Lab Delo** 1984;(8):485-7 (Eng. Abstr.) **(Rus)**

[Indices of the completion of phagocytosis by neutrophils in the peripheral blood of periodontitis and periodontosis patients] Bykova IA, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):18-20 (Eng. Abstr.) **(Rus)**

[Circulating T- and B-lymphocytes in patients with periodontal pathology] Ivaniushko TP, et al. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):15-7 (Eng. Abstr.) **(Rus)**

[Immunoglobulin content of the gingival fluid in periodontitis] Zhiakonis IM. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):22-4 (Eng. Abstr.) **(Rus)**

METABOLISM

Free amino-acid composition of wax-stimulated whole saliva in human subjects with healthy periodontium, severe chronic periodontitis and post-juvenile periodontitis. Syrjänen S, et al. **Arch Oral Biol** 1984;29(9):735-8

Measurement of eight prostaglandins in human gingival and periodontal disease using high pressure liquid chromatography and radioimmunoassay. Ohm K, et al. **J Periodont Res** 1984 Sep;19(5):501-11

Salivary concentrations of steroid hormones in males and in cycling and postmenopausal females with and without periodontitis. Vittek J, et al. **J Periodont Res** 1984 Sep;19(5):545-55

Biosynthesis of prostaglandins in gingiva of patients with chronic periodontitis. Mendieta CF, et al. **J Periodontol** 1985 Jan;56(1):44-7

Cytokeratins in the gingival epithelium of clinically healthy and periodontally diseased subjects. Syrjänen S, et al. **Proc Finn Dent Soc** 1984;80(3):115-20

[Connective tissue cell metabolism in periodontitis] Larjava H. **Proc Finn Dent Soc** 1984;80(3):149-52 (Eng. Abstr.) **(Fin)**

MICROBIOLOGY

Absorption of viruses into oral lymphocytes and decreased antibacterial activity of oral polymorphonuclear leukocytes. Ongrádi J, et al. **Acta Microbiol Hung** 1984;31(3):179-85

Description of an unusual gram-negative anaerobic rod isolated from periodontal pockets. Amundrud DG, et al. **Can J Microbiol** 1985 Feb;31(2):97-103

Actinobacillus actinomycetemcomitans and Bacteroides gingivalis in advanced periodontitis in man. Slots J. **Dtsch Zahnarztl Z** 1984 Aug;39(8):615-22 (62 ref.)

Monocyte suppression of Fusobacterium nucleatum-induced human polyclonal B-lymphocyte activation. Mangan DF, et al. **Infect Immun** 1984 Nov;46(2):332-9

Variation in periodontal floras. Moore WE, et al. **Infect Immun** 1984 Dec;46(3):720-6

Bacteroides endodontalis and other black-pigmented Bacteroides species in odontogenic abscesses. van Winkelhoff AJ, et al. **Infect Immun** 1985 Sep;49(3):494-7

Assessment of serum antibody patterns and analysis of subgingival microflora of members of a family with a high prevalence of early-onset periodontitis. Williams BL, et al. **Infect Immun** 1985 Sep;49(3):742-50

Rapid identification of periodontal pathogens in subgingival plaque: comparison of indirect immunofluorescence microscopy with bacterial culture for detection of Actinobacillus actinomycetemcomitans. Bonta Y, et al. **J Dent Res** 1985 May;64(5):793-8

Suspected periodontopathic organisms alter in vitro proliferation of endothelial cells. Taichman NS, et al. **J Periodont Res** 1984 Nov;19(6):583-6

The distribution of Actinobacillus actinomycetemcomitans in human plaque. Wolff LF, et al. **J Periodont Res** 1985 May;20(3):237-50

Effects of scaling and root planing on subgingival microbial proportions standardized in terms of their naturally occurring distribution. Hinrichs JE, et al. **J Periodontol** 1985 Apr;56(4):187-94

Bacterial invasion of periodontal tissues in advanced periodontitis in humans. Manor A, et al. **J Periodontol** 1984 Oct;55(10):567-73

Microbiological findings of infected root canals and adjacent periodontal pockets in teeth with advanced periodontitis. Kipioti A, et al. **Oral Surg Oral Med Oral Pathol** 1984 Aug;58(2):213-20

Cultivation on solid media of spirochetes in subgingival plaque from advanced marginal periodontitis in humans. Fiehn NE, et al. **Scand J Dent Res** 1984 Oct;92(5):426-35

Subgingival microorganisms and bacterial virulence factors in periodontitis. Slots J, et al. **Scand J Dent Res** 1985 Apr;93(2):119-27 (34 ref.)

[Anaerobic flora of a periodontal abscess] Ramaglia L, et al. **Minerva Stomatol** 1985 Jan-Feb;34(1):117-22 (Eng. Abstr.) **(Ita)**

[The clinical isolates from odontogenic infections and their antibiotic susceptibilities] Sasaki J, et al. **Kansenshogaku Zasshi** 1985 Mar;59(3):289-302 (Eng. Abstr.) **(Jpn)**

[Sensitivity to antibiotics of bacterial flora isolated under aerobic conditions in cases of acute odontogenic perimaxillary inflammation] Wizimirska J, et al. **Wiad Lek** 1984 Mar 15;37(6):423-9 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Prevalence and severity of periodontitis in a high fluoride area in South Africa. Reddy J, et al. **Community Dent Oral Epidemiol** 1985 Apr;13(2):108-12

Relationship between the interproximal distance of roots and the prevalence of intrabony pockets. Tal H. **J Periodontol** 1984 Oct;55(10):604-7

PATHOLOGY

Acute lateral periodontal abscess. Palmer RM. **Br Dent J** 1984 Nov 10;157(9):311-2

Morphology of polymorphonuclear neutrophils during periodontal disease in the cynomolgus monkey. Brecx M, et al. **J Clin Periodontol** 1985 Aug;12(7):591-606

Cell processes in dentin tubules during early phases of attachment to demineralized periodontitis-affected surfaces. Polson AM, et al. **J Clin Periodontol** 1985 Feb;12(2):162-9

Relationship between some subgingival bacteria and periodontal pocket depth and gain or loss of periodontal attachment after treatment of adult periodontitis. Slots J, et al. **J Clin Periodontol** 1985 Aug;12(7):540-52

Periodontal bone loss in dry mandibles of South African blacks: a biometric study. Tal H. **J Dent Res** 1985 Jun;64(6):925-9

Morphological studies on periodontal disease in the cynomolgus monkey. II. Light microscopic observations on ligature-induced periodontitis. Brecx MC, et al. **J Periodont Res** 1985 Mar;20(2):165-75

Analysis of lymphocyte populations extracted from chronically inflamed human periodontal tissues. I. Identification. Seymour GJ, et al. **J Periodont Res** 1985 Jan;20(1):47-57

Identification of Langerhans cells in human gingival epithelium. DiFranco CF, et al. **J Periodontol** 1985 Jan;56(1):48-54

Effects of gold salts on experimental periodontitis. III. Ultrastructural observations. Freeman E, et al. **J Periodontol** 1984 Oct;55(10):597-603

Caries and periodontitis associated with an unerupted third molar. Baab DA, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):428-30

[Scanning electron microscopy of the gingival wall of periodontal pockets in patients with advanced periodontitis] Yang LJ. **Chung Hua I Hsueh Tsa Chih** 1984 Oct;64(10):601-2 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

Defective neutrophil and monocyte motility in patients with early onset periodontitis. Page RC, et al. **Infect Immun** 1985 Jan;47(1):169-75

Effect of nonsurgical periodontal therapy. VII. Bleeding, suppuration and probing depth in sites with probing attachment loss. Badersten A, et al. **J Clin Periodontol** 1985 Jul;12(6):432-40

New attachment formation on teeth with a reduced but healthy periodontal ligament. Karring T, et al. **J Clin Periodontol** 1985 Jan;12(1):51-60

The thermodynamic behaviour of labial gingiva in patients with destructive periodontal disease. Mörmann WH, et al. **J Clin Periodontol** 1985 Jul;12(6):477-93

Bacteriological studies of subgingival plaque in a periodontitis-resistant population. I. Darkfield microscopic studies. Africa CW, et al. **J Periodont Res** 1985 Jan;20(1):1-7

Lack of significance of increased tooth mobility in experimental periodontitis. Ericsson I, et al. **J Periodontol** 1984 Aug;55(8):447-52

Pressures recorded during periodontal pocket irrigation. Kelly A, et al. **J Periodontol** 1985 May;56(5):297-9

Oxygen tension (pO2) in untreated human periodontal pockets. Mettraux GR, et al. **J Periodontol** 1984 Sep;55(9):516-21

Gingival wound healing in the presence of plaque-induced inflammation. Yumet JA, et al. **J Periodontol** 1985 Feb;56(2):107-19

SURGERY

Effect of crown-attached sutures on healing of experimental furcation defects in dogs. Klinge B, et al. **J Clin Periodontol** 1985 May;12(5):369-73

'Spontaneous' repositioning of migrated teeth following periodontal surgery. Manor A, et al. **J Clin Periodontol** 1984 Sep;11(8):540-5

Effect of retention of gingival sulcular epithelium on attachment and pocket depth after periodontal surgery. Svoboda PJ, et al. **J Periodontol** 1984 Oct;55(10):563-6

Freeze-dried bone and coralline implants compared in the dog. West TL, et al. **J Periodontol** 1985 Jun;56(6).348-51

Longitudinal evaluation of durapatite ceramic as an alloplastic implant in periodontal osseous defects after 3 years. Yukna RA, et al. **J Periodontol** 1984 Nov;55(11):633-7

Stability of gingival crest after surgery and before anterior crown placement. Wise MD. **J Prosthet Dent** 1985 Jan;53(1):20-3

[Is the combination of surgical periodontal measures with dental surgical measures rational?] Krekeler G. **Dtsch Zahnarztl Z** 1984 Aug;39(8):581-8 (Eng. Abstr.) **(Ger)**

[Treatment of advanced periodontal disease. A clinical case] de Almeida CM, et al. **Rev Port Estomatol Cir Maxilofac** 1984 Apr-Jun;25(2):775-84 (Eng. Abstr.) **(Por)**

THERAPY

Effect of subgingival scaling on systemic antibody responses to oral microorganisms. Ebersole JL, et al. **Infect Immun** 1985 May;48(2):534-9

Effect of non-surgical periodontal therapy (IV). Operator variability. Badersten A, et al. **J Clin Periodontol** 1985 Mar;12(3):190-200

Effect of nonsurgical periodontal therapy. V. Patterns of probing attachment loss in non-responding sites. Badersten A, et al. **J Clin Periodontol** 1985 Apr;12(4):270-82

Effect of non-surgical periodontal therapy. VI. Localization of sites with probing attachment loss. Badersten A, et al. **J Clin Periodontol** 1985 May;12(5):351-9

Effect of nonsurgical periodontal therapy. VII. Bleeding, suppuration and probing depth in sites with probing attachment loss. Badersten A, et al. **J Clin Periodontol** 1985 Jul;12(6):432-40

The effect of Keyes' method of oral hygiene on the subgingival microflora compared to the effect of scaling and/or surgery. Greenwell H, et al. **J Clin Periodontol** 1985 Apr;12(4):327-41

Slow release metronidazole and a simplified mechanical oral hygiene regimen in the control of chronic periodontitis

Newman HN, et al. **J Clin Periodontol** 1984 Oct;11(9):576–82

Relationship between some subgingival bacteria and periodontal pocket depth and gain or loss of periodontal attachment after treatment of adult periodontitis. Slots J, et al. **J Clin Periodontol** 1985 Aug;12(7):540–52

Simultaneous assessment of complement components C3, C4, and B and their cleavage products in human gingival fluid. II. Longitudinal changes during periodontal therapy. Niekrash CE, et al. **J Periodont Res** 1985 May;20(3):268–75

The effectiveness of hand versus ultrasonic instrumentation in open flap root planing. Hunter RK, et al. **J Periodontol** 1984 Dec;55(12):697–703

Molar and nonmolar teeth compared over 6 1/2 years following two methods of periodontal therapy. Pihlstrom BL, et al. **J Periodontol** 1984 Sep;55(9):499–504

[Are functional analytic and functional therapeutic measures necessary for the success of periodontal treatment?] Krüger W. **Dtsch Zahnarztl Z** 1984 Aug;39(8):599–605 (Eng. Abstr.) **(Ger)**

[2-year clinically controlled study of plaque prevention with chlorhexidine digluconate and hydrogen peroxide in marginal periodontitis] Gängler P, et al. **Zahn Mund Kieferheilkd** 1985;73(3):253–61 (Eng. Abstr.) **(Ger)**

[Treatment of microcirculatory disorders in periodontitis by d'arsonvalization] Efanov OE, et al. **Stomatologiia (Mosk)** 1985 Jan–Feb;64(1):24–7 (Eng. Abstr.) **(Rus)**

[The physician's procedure in performing local treatment of periodontal diseases] Shtorm AA. **Stomatologiia (Mosk)** 1985 Jan–Feb;64(1):80 **(Rus)**

[Effect of temporary dental splinting on the function of the maxillodental system in periodontal diseases] Viaz'min AIa. **Stomatologiia (Mosk)** 1985 Mar–Apr;64(2):20–2 (Eng. Abstr.) **(Rus)**

PERIODONTITIS, APICAL see **PERIAPICAL PERIODONTITIS**

PERIODONTITIS, APICAL, CHRONIC NONSUPPURATIVE see **PERIAPICAL GRANULOMA**

PERIODONTITIS, APICAL, SUPPURATIVE see **PERIAPICAL ABSCESS**

PERIODONTIUM

ANATOMY & HISTOLOGY

Retained ligature wire and periodontal health. Report of a case. Goldstein AR, et al. **Am J Orthod** 1984 Oct;86(4):315–8

Effect of entirely preformed stainless steel crowns on periodontal health in primary, mixed dentitions. Einwag J. **ASDC J Dent Child** 1984 Sep–Oct;51(5):356–9

The effect of root planing and citric acid applications on flap healing in humans. A histologic evaluation. Kashani HG, et al. **J Periodontol** 1984 Dec;55(12):679–83

Effect of retention of gingival sulcular epithelium on attachment and pocket depth after periodontal surgery. Svoboda PJ, et al. **J Periodontol** 1984 Oct;55(10):563–6

BLOOD SUPPLY

[Treatment of microcirculatory disorders in periodontitis by d'arsonvalization] Efanov OE, et al. **Stomatologiia (Mosk)** 1985 Jan–Feb;64(1):24–7 (Eng. Abstr.) **(Rus)**

[Effect of temporary dental splinting on the function of the maxillodental system in periodontal diseases] Viaz'min AIa. **Stomatologiia (Mosk)** 1985 Mar–Apr;64(2):20–2 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Activation of keratinocyte-mediated collagen (type I) breakdown by suspected human periodontopathogen. Evidence of a novel mechanism of connective tissue breakdown. Birkedal-Hansen H, et al. **J Periodont Res** 1984 Nov;19(6):645–50

Fibroblast subtypes in the periodontium. A possible role in connective tissue regeneration and periodontal reattachment. Bordin S, et al. **J Periodont Res** 1984 Nov;19(6):642–4

Mirror symmetry of newly divided rat periodontal ligament fibroblasts in situ and its relationship to cell migration. Cho MI, et al. **J Periodont Res** 1985 Mar;20(2):185–200

DRUG EFFECTS

Restoration of periodontal attachment employing enriched collagen solution in the dog. Yaffe A, et al. **J Periodontol** 1984 Nov;55(11):623–8

[Periodontologic study of lead exposed and non-exposed workers] Schneider HG, et al. **Z Arztl Fortbild (Jena)** 1984;78(20):861–4 **(Ger)**

ENZYMOLOGY

Tetracyclines inhibit tissue collagenase activity. A new mechanism in the treatment of periodontal disease. Golub LM, et al. **J Periodont Res** 1984 Nov;19(6):651–5

INJURIES

Orientation of cells in the experimental periodontal wound. Aukhil I, et al. **J Periodont Res** 1984 Sep;19(5):526–9

Temperature rise during root canal preparation--a possible cause of damage to tooth and periodontal tissue. Eriksson JH, et al. **Swed Dent J** 1984;8(5):217–23

[Effect of gingival retraction on the periodontal tissues] Kalamkarov KhA, et al. **Stomatologiia (Mosk)** 1984 Nov–Dec;63(6):68–74 (Eng. Abstr.) **(Rus)**

INNERVATION

Interaction of periodontal and jaw elevator spindle afferents in the cerebellum--sensory calibration. Taylor A, et al. **Brain Behav Evol** 1984;25(2–3):157–65

Do periodontal mechanoreceptors mediate the short latency excitatory reflex in human masseter muscle? Carels C, et al. **Electromyogr Clin Neurophysiol** 1985 May–Jun;25(4):261–70

Simultaneous demonstration of neuronal somata that innervate the tooth pulp and adjacent periodontal tissues, using two retrogradely transported anatomic markers. Capra NF, et al. **Exp Neurol** 1984 Oct;86(1):165–70

MICROBIOLOGY

Effects of peptidoglycans from periodontal pathogens on selected biological activities of CD-1 murine peritoneal macrophages. Barnard M, et al. **Can J Microbiol** 1985 Feb;31(2):161–72

Isolation and characterization of the peptidoglycans from selected gram-positive and gram-negative periodontal pathogens. Barnard MR, et al. **Can J Microbiol** 1985 Feb;31(2):154–60

3-year longitudinal study of the periodontal status of an adult population with gingivitis. Listgarten MA, et al. **J Clin Periodontol** 1985 Mar;12(3):225–38

Bacterial invasion of periodontal tissues in advanced periodontitis in humans. Manor A, et al. **J Periodontol** 1984 Oct;55(10):567–73

Bactericidal action of bicarbonate ion on selected periodontal pathogenic microorganisms. Newbrun E, et al. **J Periodontol** 1984 Nov;55(11):658–67

The similarity of periodontal microorganisms between husband and wife cohabitants. Association or transmission? Offenbacher S, et al. **J Periodontol** 1985 Jun;56(6):317–23

The colonization and establishment of invading bacteria in periodontium of ligature-treated immunosuppressed rats. Sanavi F, et al. **J Periodontol** 1985 May;56(5):273–80

PATHOLOGY

Effect of non-surgical periodontal therapy. VI. Localization of sites with probing attachment loss. Badersten A, et al. **J Clin Periodontol** 1985 May;12(5):351–9

Reproducibility of pocket depth and attachment level measurements when using a flexible splint. Isidor F, et al. **J Clin Periodontol** 1984 Nov;11(10):662–8

Loss of attachment adjacent to class II carious lesions. Keszthelyi G, et al. **J Clin Periodontol** 1985 May;12(5):405–10

Investigation of the relationship between clinically detected loss of attachment and radiographic changes in early periodontal disease. Mann J, et al. **J Clin Periodontol** 1985 Mar;12(3):247–53

Marginal soft tissue recessions with and without attached gingiva. A five year longitudinal study. Schoo WH, et al. **J Periodont Res** 1985 Mar;20(2):209–11

PHYSIOLOGY

The effect of citric acid on repair after delayed tooth replantation in dogs. Klinge B, et al. **Acta Odontol Scand** 1984 Dec;42(6):351–9

Recovery of the dental and periodontal tissues of the rat incisor following application of continuous intrusive loads: a long-term study. Michaeli Y, et al. **Am J Orthod** 1985 Feb;87(2):135–43

Cells of periodontium: their role in the healing of wounds. Melcher AH. **Ann R Coll Surg Engl** 1985 Mar;67(2):130–1

Periodontal considerations and guidelines for therapy. Franzetti JJ. **Dent Clin North Am** 1985 Jan;29(1):17–38

Restorative dentistry and the periodontium. Sachs RI. **Dent Clin North Am** 1985 Apr;29(2):261–78 (39 ref.)

Review of removable partial denture components and their design as related to maintenance of tissue health. Weintraub GS. **Dent Clin North Am** 1985 Jan;29(1):39–56

The effect of apicoectomy before replantation on periodontal and pulpal healing in teeth in monkeys. Andreasen JO, et al. **Int J Oral Surg** 1985 Apr;14(2):176–83

Influence of root development on periodontal and pulpal healing after replantation of incisors in monkeys. Kristerson L, et al. **Int J Oral Surg** 1984 Aug;13(4):313–23

Periodontal healing after impacted lower third molar surgery. A retrospective study. Kugelberg CF, et al. **Int J Oral Surg** 1985 Feb;14(1):29–40

A new method for finite element simulation of orthodontic appliance-teeth-periodontium-alveolus system. Miyakawa O, et al. **J Biomech** 1985;18(4):277–84

The effect of citric acid and fibronectin application on healing following surgical treatment of naturally occurring periodontal disease in beagle dogs. Caffesse RG, et al. **J Clin Periodontol** 1985 Aug;12(7):578–90

Relationship between some subgingival bacteria and periodontal pocket depth and gain or loss of periodontal attachment after treatment of adult periodontitis. Slots J, et al. **J Clin Periodontol** 1985 Aug;12(7):540–52

Effects of bone remodeling on continuity of transalveolar fibers of the mouse periodontium. Johnson RB. **J Periodont Res** 1984 Sep;19(5):512–9

New attachment formation on citric acid and non-citric acid treated roots. Karring T, et al. **J Periodont Res** 1984 Nov;19(6):666–9

Connective tissue attachment formation following exclusion of gingival connective tissue and epithelium during healing. Magnusson I, et al. **J Periodont Res** 1985 Mar;20(2):201–8

[Healing of periodontal surgical wounds. I. General aspects and biological premises] Matarasso S, et al. **Minerva Stomatol** 1984 Jul–Aug;33(4):659–64 (Eng. Abstr.) **(Ita)**

[Electrical resistance and rheographic indices of the periodontium in children] Pokrovskiĭ MM. **Stomatologiia (Mosk)** 1985 Jan–Feb;64(1):58–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

New attachment formation on teeth with a reduced but healthy periodontal ligament. Karring T, et al. **J Clin Periodontol** 1985 Jan;12(1):51–60

Experimental dyskinesias of the jaw: central and oral induction of the periodontal-masseteric reflex in the rat. Sundén-Kuronen B. **Proc Finn Dent Soc** 1984;80 Suppl 9–11:1–40

[Periodontal and alveolar reactions to tipping dental loading--an experimental animal study] Göz G, et al. **Fortschr Kieferorthop** 1985 Apr;46(2):149–62 (Eng. Abstr.) **(Ger)**

[Healing of the periodontal surgical wound. II. Therapeutic goals and the types of healing] Matarasso S, et al. **Minerva Stomatol** 1984 Sep–Oct;33(5):811–9 (76 ref.) (Eng. Abstr.) **(Ita)**

[Hemodynamic changes in the periodontal tissues of children treated for alveodental stretching] Demner LM, et al. **Stomatologiia (Mosk)** 1985 Jan–Feb;64(1):60–1 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Visualization of the human periodontium using serial thin section contact radiography. Moskow BS, et al. **J Periodontol** 1985 Apr;56(4):223–33

[A new dental film holder for periodontal pictures] Pasler FA. **Schweiz Monatsschr Zahnmed** 1984 Oct;94(10):1064–5 **(Ger)**

SURGERY

Periodontal restorative interrelationships: the isolated restoration. Fugazzotto PA. **J Am Dent Assoc** 1985 Jun;110(6):915–7

The pulpal response to citric acid in cats. Ryan PC, et al. **J Clin Periodontol** 1984 Nov;11(10):633–43

Efficacy of epinephrine concentration in local anesthesia during periodontal surgery. Buckley JA, et al. **J Periodontol** 1984 Nov;55(11):653–7

[Suture materials in periodontal surgery. Current trends and recent developments] Picarelli A, et al. **Minerva Stomatol** 1985 Jan–Feb;34(1):129–35 (27 ref.) (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Ultrastructural and immunohistochemical similarities in the attachment of human oral epithelium to the tooth in vivo and to an inert substrate in an explant culture. Salonen J, et al. **J Periodont Res** 1985 Mar;20(2):176–84

[Oxytalan fibers of the periodontium] Mallet M. **Bull Assoc Anat (Nancy)** 1984 Jun;68(201):205–9 (Eng. Abstr.) **(Fre)**

PERIODONTIUM, APICAL see **PERIAPICAL TISSUE**

PERIODONTOSIS see under **PERIODONTAL DISEASES**

PERIOSTEUM

Microwave tissue coagulation for the treatment of advanced inoperable sarcoma. Shoji S, et al. **Nippon Geka Hokan** 1984 Nov 1;53(6):786–93

Periosteal hemangioma of left fibula. Case report 324. Pena JM, et al. **Skeletal Radiol** 1985;14(2):133–5

BLOOD SUPPLY

The vascular pattern and viability of microvascularized rib grafts based on periosteal circulation--an experimental study. Papanastasiou VW, et al. **Ann Plast Surg** 1984 Nov;13(5):375–82

The role of nutrient and periosteal blood vessels in the vascularization of the cortex of shafts of the long bones in human fetuses. Skawina A, et al. **Folia Morphol** 1984;43(2):159–64

DRUG EFFECTS

PGE2 stimulates both resorption and formation of bone in vitro: differential responses of the periosteum and the endosteum in fetal rat long bone cultures. Nefussi JR, et al. **Anat Rec** 1985 Jan;211(1):9–16

Bone changes from prostaglandin therapy. Poznanski AK, et al. **Skeletal Radiol** 1985;14(1):20-5

PATHOLOGY

A pelvic mass with periosteal reaction [clinical conference]. **NY State J Med** 1985 Mar;85(3):106-8

PHYSIOLOGY

The periosteum in growth plate failure. Amamilo SC, et al. **Clin Orthop** 1985 Apr;(194):293-305

The periosteum: its function reassessed. Eyre-Brook AL. **Clin Orthop** 1984 Oct;(189):300-7

[Role of the periosteum on the mandibular development in the rat] Nakamura T. **Kokubyo Gakkai Zasshi** 1984 Sep; 51(3):613 **(Jpn)**

RADIOGRAPHY

Computed tomography of parosteal osteosarcoma. Hudson TM, et al. **AJR** 1985 May;144(5):961-5

RADIONUCLIDE IMAGING

Does aspiration of bones and joints affect results of later bone scanning? Canale ST, et al. **J Pediatr Orthop** 1985 Jan-Feb; 5(1):23-6

SURGERY

A new subperiosteal glass bead inserter [letter] Karesh JW, et al. **Am J Ophthalmol** 1985 Jun 15;99(6):731

Periosteal transection and stripping for treatment of angular limb deformities in foals: clinical observations. Bertone AL, et al. **J Am Vet Med Assoc** 1985 Jul 15;187(2):145-52

TRANSPLANTATION

The use of a periosteal strip for eyelid reconstruction. Weinstein GS, et al. **Arch Ophthalmol** 1985 Mar; 103(3):357-9

Osteogenesis in vascularized periosteum. Interactions with underlying bone. Canalis RF, et al. **Arch Otolaryngol** 1985 Aug;111(8):511-6

The induction of neochondrogenesis in free intra-articular periosteal autografts under the influence of continuous passive motion. An experimental investigation in the rabbit. O'Driscoll SW, et al. **J Bone Joint Surg [Am]** 1984 Oct; 66(8):1248-57

The use of a temporal osteoperiosteal flap for the reconstruction of malar hypoplasia in Treacher Collins syndrome. van der Meulen JC, et al. **Plast Reconstr Surg** 1984 Nov;74(5):687-93

[Periosteal flap reconstruction of the external ankle ligaments. Results of a follow-up study] Glas E, et al. **Unfallchirurg** 1985 May;88(5):219-22 (Eng. Abstr.) **(Ger)**

[Osteoperiosteal graft in mandibular reconstruction] Vercellino V, et al. **Minerva Stomatol** 1985 Mar-Apr; 34(2):395-8 (Eng. Abstr.) **(Ita)**

[Blood supply and oxygen regimen of the mucoperiosteal flap before and after an operation for segmental osteotomy of the frontal section of the maxilla] Bezrukov VM, et al. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):44-6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

The mucoperiosteum of the middle ear in experimentally induced sterile otitis media. van der Beek JM, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1984;414:71-9

PERIOSTITIS

COMPLICATIONS

Clavicular periosteal new bone formation in ulcerative colitis. Verbruggen LA, et al. **Clin Exp Rheumatol** 1985 Apr-Jun; 3(2):163-6

DIAGNOSIS

Florid reactive periostitis of the proximal phalanx. Case report. Callahan DJ, et al. **J Bone Joint Surg [Am]** 1985 Jul;67(6):968-70

[Recurrent multifocal periostosis in children] Bousnina S, et al. **Tunis Med** 1984 Mar-Apr;62(2):157-8 **(Fre)**

[Epicondylitis of the humerus and styloiditis of the radius] Tumian SD. **Ortop Travmatol Protez** 1985 May;(5):48-9 **(Rus)**

DRUG THERAPY

Multifocal recurrent periostitis responsive to colchicine. Festen JJ, et al. **Scand J Rheumatol** 1985;14(1):8-14

ETIOLOGY

Bilateral symmetrical clavicular periosteal reactions in a child. Haskell L, et al. **Diagn Imag Clin Med** 1984; 53(6):310-4

Hypertrophic osteoperiostitis in Crohn's disease. Bertoni F, et al. **Ital J Orthop Traumatol** 1984 Sep;10(3):377-83

Skeletal presentation of congenital syphilis: case report and review of the literature. Toohey JS. **J Pediatr Orthop** 1985 Jan-Feb;5(1):104-6

[Osteoperiostitis of yaws. Review apropos of a case] Marsot-Dupuch K, et al. **Ann Radiol (Paris)** 1984 Jan; 27(1):31-3 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Florid reactive periostitis of the phalanges. Porter AR, et al. **AJR** 1985 Mar;144(3):617-8

Rare forms of chronic osteomyelitis (multifocal recurrent periostitis and chronic symmetric osteomyelitis--report of 3 cases). Kozlowski K, et al. **Australas Radiol** 1984 May; 28(2):152-5

CT features of reactive periostitis in the humerus: a lesion resembling myositis ossificans. Donoghue V, et al. **J Comput Assist Tomogr** 1985 Mar-Apr;9(2):401-3

Case report 304. Florid reactive periostitis proximal phalange of the left 5th finger. Jongeward RH Jr, et al. **Skeletal Radiol** 1985;13(2):169-73

PERIPHERAL NERVE DISEASES

Common mononeuropathies. Massey EW. **NC Med J** 1985 Jan;46(1):7-14 (24 ref.)

[Polyneuropathies in shoe factory workers] Governa M, et al. **Recenti Prog Med** 1984 May;75(5):514-29 (108 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

Pyridoxine metabolism in carpal tunnel syndrome with and without peripheral neuropathy. Byers CM, et al. **Arch Phys Med Rehabil** 1984 Nov;65(11):712-6

[Epidemiologic findings on blood viscosity] Fujinaga H. **Nippon Eiseigaku Zasshi** 1984 Oct;39(4):717-28 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

A neurological evaluation of purported cases of SMON in Sweden. Gilland O. **Acta Neurol Scand [Suppl]** 1984; 100:165-9

Misonidazole neuropathy. Paulson OB, et al. **Acta Neurol Scand [Suppl]** 1984;100:133-6

The peripheral nervous system as a target for toxic substances. Thomas PK. **Acta Neurol Scand [Suppl]** 1984; 100:21-6 (39 ref.)

Neurotoxicity of halogenated hydroxyquinolines: non-Japanese cases. Thomas PK. **Acta Neurol Scand [Suppl]** 1984;100:155-8

SMON as seen from Bombay. Wadia NH. **Acta Neurol Scand [Suppl]** 1984;100:159-64

Experimental thalidomide neuropathy: the morphological correlate of reduced conduction velocity. Schröder JM, et al. **Acta Neuropathol (Berl)** 1985;65(3-4):285-92

The neurotoxicity of dapsone. Daneshmend TK. **Adverse Drug React Acute Poisoning Rev** 1984 Spring; 3(1):43-58 (58 ref.)

Nitrofurantoin and peripheral neuropathy [letter] Jacknowitz A. **Ann Intern Med** 1985 Jan;102(1):138-9

Reversible, late-onset disulfiram-induced neuropathy and encephalopathy. Borrett D, et al. **Ann Neurol** 1985 Apr; 17(4):396-9

Galactose neuropathy: impact of chronic endoneurial edema on nerve blood flow. Myers RR, et al. **Ann Neurol** 1984 Nov;16(5):587-94

Thalidomide-induced peripheral neuropathy. Effect of serum factor on nerve cultures. Aronson IK, et al. **Arch Dermatol** 1984 Nov;120(11):1466-70

Hypersensitivity reaction to sulindac (Clinoril). Lending RE, et al. **Arch Intern Med** 1984 Nov;144(11):2259-60

Motor and sensory neuropathy secondary to excessive pyridoxine ingestion. Foca FJ. **Arch Phys Med Rehabil** 1985 Sep;66(9):634-6

Peripheral nerve phospholipids in acrylamide neuropathy. Howland RD, et al. **Arch Toxicol** 1984 Sep;55(3):178-81

Effects of vitamin B12 and B6 on 2,5-hexanedione-induced neuropathy. Misumi J, et al. **Arch Toxicol** 1985 Jan; 56(3):204-6

Neurotoxicity following a very high dose of oral gold (auranofin) [letter] Gambari P, et al. **Arthritis Rheum** 1984 Nov;27(11):1316-7

Perhexilene neuropathy: a report of two cases [letter] Goble AJ, et al. **Aust NZ J Med** 1984 Jun;14(3):279

Cases from the Aerospace Medicine Residents' Teaching File. Parmet AJ, et al. **Aviat Space Environ Med** 1984 Nov; 55(11):1055-7

Development of polyneuropathy during thalidomide therapy. Wulff CH, et al. **Br J Dermatol** 1985 Apr;112(4):475-80

Neurophysiological studies on the relation between the structural properties and neurotoxicity of aliphatic hydrocarbon compounds in rats. Misumi J, et al. **Br J Ind Med** 1984 Nov;41(4):526-32

Ethylene oxide induces central-peripheral distal axonal degeneration of the lumbar primary neurones in rats. Ohnishi A, et al. **Br J Ind Med** 1985 Jun;42(6):373-9

Peripheral neuropathy during treatment with almitrine. Chedru F, et al. **Br Med J [Clin Res]** 1985 Mar 23; 290(6472):896

Peripheral neuropathy following intentional inhalation of naphtha fumes. Tenenbein M, et al. **Can Med Assoc J** 1984 Nov 1;131(9):1077-9

Neurotoxicity of Adriamycin and misonidazole in the mouse. Boegman RJ, et al. **Exp Neurol** 1985 Jan;87(1):1-8

Neuropharmacologic and neuropathologic effect of fenvalerate in mice and rats. Parker CM, et al. **Fundam Appl Toxicol** 1985 Apr;5(2):278-86

A neurophysiological study among Chinese CS2-exposed workers. Hirata M, et al. **G Ital Med Lav** 1984 May-Jul; 6(3-4):107-11

Electromyographic investigation in early diagnosis of carbon disulphide neuropathy: a study on 216 workers with different degrees of exposure. Sandrini G, et al. **G Ital Med Lav** 1983 Sep;5(5):199-202

Peripheral neuropathy in Crohn's disease patients treated with metronidazole. Duffy LF, et al. **Gastroenterology** 1985 Mar;88(3):681-4

The evaluation of a new synthetic pyrethroid pesticide (permethrin) for neurotoxicity. Dyck PJ, et al. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4-5):109-17

Taxol-induced neuropathy: short-term effects of local injection. Röyttä M, et al. **J Neurocytol** 1984 Oct; 13(5):685-701

Ethylene oxide polyneuropathy: clinical follow-up study with morphometric and electron microscopic findings in a sural nerve biopsy. Schröder JM, et al. **J Neurol** 1985; 232(2):83-90

Peripheral neuropathy during longterm high-dose amiodarone therapy. Fraser AG, et al. **J Neurol Neurosurg Psychiatry** 1985 Jun;48(6):576-8

Studies on the delayed neurotoxicity of organophosphorus compounds--(III). Itoh H, et al. **J Toxicol Sci** 1985 May; 10(2):67-82

Polyneuropathy following vincristine therapy in two patients with Charcot-Marie-Tooth syndrome. Hogan-Dann CM, et al. **JAMA** 1984 Nov 23-30;252(20):2862-3

Peripheral neuropathy in patients treated with almitrine dimesylate. Gherardi R, et al. **Lancet** 1985 Jun 1; 1(8440):1247-50

Neuropathy caused by silver absorption from arthroplasty cement [letter] Vik H, et al. **Lancet** 1985 Apr 13;1(8433):872

Acrylamide neuropathy in the rat: effects on energy metabolism in sciatic nerve. Brimijoin WS, et al. **Mayo Clin Proc** 1985 Jan;60(1):3-8

Toxic neuropathy [editorial] Sterman AB. **Mayo Clin Proc** 1985 Jan;60(1):59-61

An agent orange: case history. Fleck H. **Milit Med** 1985 Feb; 150(2):103-4

Cross-species extrapolation in hydrocarbon neuropathy. Graham DG, et al. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):433-5

Planning experiments relevant to public policy: peripheral nerve electrical activity. Jewett DL. **Neurobehav Toxicol Teratol** 1984 Nov-Dec;6(6):419-24

Myeloneuropathy, neurologic toxicity, and amiodarone [letter] **Neurology** 1985 Feb;35(2):282-3

Sensory neuropathy with low-dose pyridoxine. Parry GJ, et al. **Neurology** 1985 Oct;35(10):1466-8

Electrophysiological investigation of beta, beta'-iminodipropionitrile neurotoxicity: monosynaptic reflexes and recurrent inhibition. Gold BG, et al. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):1-14

A simple, sensitive method for detecting early peripheral nerve dysfunction in the rat following acrylamide treatment. Miller MJ, et al. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):15-23

A tissue culture model of methyl ethyl ketone's potentiation of n-hexane neurotoxicity. Veronesi B, et al. **Neurotoxicology (Park Forest II)** 1984 Summer;5(2):43-52

Nutritional supplementation with megadoses of vitamin B6. Effective therapy, placebo, or potentiator of neuropathy? Podell RN. **Postgrad Med** 1985 Feb 15;77(3):113-6

Sensorimotor neuropathy with sulphasalazine. Price TR. **Postgrad Med J** 1985 Feb;61(712):147-8

The relationship between neurological damage and neurotoxic esterase inhibition in rats acutely exposed to tri-ortho-cresyl phosphate. Padilla S, et al. **Toxicol Appl Pharmacol** 1985 Mar 30;78(1):78-87

Effect of alcohol intake on some disturbances induced by chronic exposure to carbon disulphide in rats. II. Biochemical and ultrastructural alterations in the peripheral nerves. Opacka J, et al. **Toxicol Lett** 1985 Feb-Mar; 24(2-3):171-7

Filamentous axonopathy in disulfiram neuropathy. Bilbao JM, et al. **Ultrastruct Pathol** 1984;7(4):295-300

[Peripheral nerve lesions in chloroquine-induced neuromyopathies] Pagès M, et al. **Ann Pathol** 1984 Sep-Nov;4(4):289-95 (Eng. Abstr.) **(Fre)**

[Neurotoxicity of vidarabine in chronic active hepatitis (letter)] Chauplannaz G, et al. **Presse Med** 1985 May 18; 14(20):1154 **(Fre)**

[Peripheral neuropathy during treatment with nadoxolol (letter)] Mussini JM. **Presse Med** 1985 Mar 30;14(13):748 **(Fre)**

[Neuropathy following treatment of chronic active hepatitis with vidarabine] Chauplannaz G, et al. **Rev Neurol (Paris)** 1984;140(12):743-5 (Eng. Abstr.) **(Fre)**

[Acute polyneuropathy caused by inhalation of solvent mixtures in varnish removers and thinners in normal commercial use] Glaser J, et al. **Dtsch Med Wochenschr** 1985 Sep 6;110(36):1374-7 (Eng. Abstr.) **(Ger)**

[Biochemical studies of experimental vincristine neuropathy. Lipid changes of proximal and distal peripheral nerve tissue] Saito T, et al. **Rinsho Shinkeigaku** 1984 Jul; 24(7):657-64 (Eng. Abstr.) **(Jpn)**

[Morphological and biochemical studies in experimental bond neuropathy] Saito T, et al. **Rinsho Shinkeigaku** 1984 Jun; 24(6):543-51 (Eng. Abstr.) **(Jpn)**

ARK PUBLIC LIBRARY

[Peripheral sensory neuropathy produced by a megadose of vitamin B6] Ohnishi A, et al. **Sangyo Ika Daigaku Zasshi** 1985 Jun 1;7(2):201-5 (Eng. Abstr.) **(Jpn)**

[Organic solvents. Damage to the peripheral nervous system] Aarli JA, et al. **Tidsskr Nor Laegeforen** 1985 Feb 28; 105(6):417-20 (Eng. Abstr.) **(Nor)**

[Metronidazole (Flagyl) and polyneuropathy] Berstad J. **Tidsskr Nor Laegeforen** 1985 Apr 30;105(12):813-4 (Eng. Abstr.) **(Nor)**

[Experimental neuropathy induced by DDT: analysis of the nerves by microdissection of the fibers] Nóvak EM, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):242-50 (Eng. Abstr.) **(Por)**

CLASSIFICATION

Clinical aspects of muscle imbalance in the hand due to ulnar nerve lesions and a proposed thumb-index finger grip classification. de Abreu LB. **Anat Clin** 1984;6(3):177-82

[Classification of diseases of the peripheral nervous system and formulation of the diagnosis] Antonov IP. **Zh Nevropatol Psikhiatr** 1985;85(4):481-7 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Peripheral neuropathy, cerebral atrophy, and intellectual impairment in chronic alcoholics. Meldgaard B, et al. **Acta Neurol Scand** 1984 Nov;70(5):336-44

Tangier disease. A case with sensorimotor distal polyneuropathy and lipid accumulation in striated muscle and vasa nervorum. Marbini A, et al. **Acta Neuropathol (Berl)** 1985;67(1-2):121-7

Pyramidal tract deficits and polyneuropathy in hyperthyroidism, Combination clinically mimicking amyotrophic lateral sclerosis. Fisher M, et al. **Am J Med** 1985 Jun;78(6 Pt 1):1041-4

Lumbosacral radiculopathy, reflex sympathetic dystrophy and tarsal tunnel syndrome: an unusual presentation. Chodoroff B, et al. **Arch Phys Med Rehabil** 1985 Mar; 66(3):185-7

Segmental motor paralysis in herpes zoster. Rice JP. **Clin Exp Neurol** 1984;20:129-40

Peripheral neuropathy and paraproteinemia: an immunohistochemical and serologic study. Johansen P, et al. **Clin Neuropathol** 1985 May-Jun;4(3):99-104

Motor control in humans with large-fiber sensory neuropathy. Sanes JN, et al. **Hum Neurobiol** 1985; 4(2):101-14

Nutritional polyneuropathy and its manifestations in the lower extremity. D'Orazio L, et al. **J Am Podiatr Med Assoc** 1985 Jan;75(1):28-30 (8 ref.)

Direct nerve stimulation for painful peripheral neuropathies. Waisbrod H, et al. **J Bone Joint Surg [Br]** 1985 May; 67(3):470-2

Immobilisation hypercalcaemia complicating polyneuropathy in adolescent boys. Walls TJ, et al. **J Neurol Neurosurg Psychiatry** 1984 Nov;47(11):1232-5

Human monoclonal IgM autoantibodies with restricted antigenic specificity for myelin express unrelated idiotypes. Kahn SN. **J Neurol Sci** 1985 Jul;69(3):161-70

Calf enlargement from S-1 radiculopathy. Report of two cases. Cooper WH, et al. **J Neurosurg** 1985 Mar;62(3):442-4

Schizophreniform psychosis and adrenomyeloneuropathy. James AC, et al. **J R Soc Med** 1984 Oct;77(10):882-4

Pain due to peripheral nerve damage: an hypothesis. Asbury AK, et al. **Neurology** 1984 Dec;34(12):1587-90

Inflammatory neuropathy in homosexual men with lymphadenopathy. Lipkin WI, et al. **Neurology** 1985 Oct; 35(10):1479-83

Peripheral neuropathy in abetalipoproteinemia. Wichman A, et al. **Neurology** 1985 Sep;35(9):1279-89

Adult T-cell leukemia and polyneuropathy. A case report. Okamura S, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Sep; 47(6):1344-50

[Severe polyneuropathy with paralysis of the lower extremities in temporal arteritis] Krogsgaard MR, et al. **Ugeskr Laeger** 1984 Aug 20;146(34):2558-60 (Eng. Abstr.) **(Dan)**

[3 cases of scapulo-peroneal neurogenic amyotrophy (Dawidenkow's syndrome). Nosological situation in relation to Charcot-Marie-Tooth disease] Serratrice G, et al. **Rev Neurol (Paris)** 1984;140(12):738-40 (Eng. Abstr.) **(Fre)**

[Peripheral nerve involvement in spino-cerebellar degenerations. 1. Clinical characteristics] Sugimura K, et al. **Rinsho Shinkeigaku** 1984 Jun;24(6):593-8 (Eng. Abstr.) **(Jpn)**

[A case of SLE, hypertrophic neuropathy, and uterine cancer] Yamamura T, et al. **Rinsho Shinkeigaku** 1984 Oct; 24(10):993-1000 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Two cases of congenital hypomyelination neuropathy. Tachi N, et al. **Brain Dev** 1984;6(6):560-5

Heterogeneity of congenital motor and sensory neuropathies. Lütschg J, et al. **Neuropediatrics** 1985 Feb;16(1):33-8

DIAGNOSIS

A neuropathy index based on motor-sensory electroneurography (ENeG). Wennberg A. **Acta Neurol Scand [Suppl]** 1984;100:107-11

Principles and pitfalls of nerve conduction studies. Kimura J. **Ann Neurol** 1984 Oct;16(4):415-29

Radiculopathy and electromyography [letter] Lerman VJ. **Arch Neurol** 1985 Aug;42(8):732

Distal sensory nerves of the lower extremity in peripheral neuropathy: comparison of medial dorsal cutaneous and sural nerve abnormalities. Izzo KL, et al. **Arch Phys Med Rehabil** 1985 Jan;66(1):7-10

Sjögren's syndrome presenting as a severe sensory neuropathy including involvement of the trigeminal nerve. Hull RG, et al. **Br J Rheumatol** 1984 Nov;23(4):301-3

The hypereosinophilic syndrome. Purdie GH, et al. **Clin Exp Neurol** 1983;19:60-6

Electrodiagnosis and nerve conduction studies. Posuniak EA. **Clin Podiatry** 1984 Aug;1(2):279-90

Thermography as a preoperative and follow-up method for surgery of the hand. Pernet A, et al. **Int Surg** 1984 Apr-Jun; 69(2):171-3

Polyneuropathy in critically ill patients. Bolton CF, et al. **J Neurol Neurosurg Psychiatry** 1984 Nov;47(11):1223-31

Peripheral nerve involvement in sarcoidosis: an electrodiagnostic study. Challenor YB, et al **J Neurol Neurosurg Psychiatry** 1984 Nov;47(11):1219-22

Cognitive deficits and their relationship to other neurological complications in chronic alcoholic patients. Franceschi M, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct; 47(10):1134-7

Lumbosacral plexopathy in cancer patients [letter] **Neurology** 1985 Sep;35(9):1392-3

Electrophysiologic evaluation of lumbosacral radiculopathies: electromyography, late responses, and somatosensory evoked potentials. Aminoff MJ, et al. **Neurology** 1985 Oct;35(10):1514-8

The natural history of lumbosacral plexopathy in cancer. Jaeckle KA, et al. **Neurology** 1985 Jan;35(1):8-15

Relapsing ophthalmoparesis-sensory neuropathy syndrome. Kaplan JG, et al. **Neurology** 1985 Apr;35(4):595-6

Differential diagnosis between radiation and tumor plexopathy of the pelvis. Thomas JE, et al. **Neurology** 1985 Jan;35(1):1-7

Brachial plexopathy: recurrent cancer or radiation? Lederman RJ, et al. **Neurology (NY)** 1984 Oct; 34(10):1331-5

[Compression syndrome of nerves of the extremities. Clinical findings, diagnostic and therapeutic procedures based on 2 case reports] Stefan H. **Fortschr Med** 1984 Dec 13; 102(46):1171-2 (Eng. Abstr.) **(Ger)**

[Hashimoto thyroiditis with polyneuropathy and multiple entrapment syndromes] Fritze J, et al. **Nervenarzt** 1984 Oct; 55(10):549-51 **(Ger)**

[Diagnosis of peripheral neuropathy in lead workers] Araki S, et al. **Sangyo Igaku** 1984 Jan;26(1):3-8 (54 ref.) (Eng. Abstr.) **(Jpn)**

[A study on the thermographic diagnosis of vibration disease of tie-tamper operators in the Japanese National Railways] Hirahata H. **Sangyo Igaku** 1984 Jan;26(1):22-31 (Eng. Abstr.) **(Jpn)**

[Evaluation of six screening tests for vibration syndrome] Iwasaki S, et al. **Sangyo Igaku** 1984 Nov;26(6):477-82 (Eng. Abstr.) **(Jpn)**

[Clinical, electromyographic and electroneurographic correlations in lesions of the peripheral nervous system] Asgian B. **Rev Med Interna [Neurol Psihiatr]** 1985 Jan-Mar; 30(1):31-42 (Eng. Abstr.) **(Rum)**

[Importance of the method of stimulation electromyography for the early diagnosis of peripheral neuropathy from lead exposure] Petina LV, et al. **Gig Tr Prof Zabol** 1985 Apr; (4):26-30 (Eng. Abstr.) **(Rus)**

[Use of microcomputers for the topical diagnosis of injuries and diseases of the peripheral nervous system] Zaitsev RZ, et al. **Voen Med Zh** 1985 Mar;(3):55-6 **(Rus)**

DRUG THERAPY

Intravenous pulse methyl prednisolone in the successful treatment of severe sarcoid polyneuropathy with pulmonary involvement. Allen RK, et al. **Aust NZ J Med** 1985 Feb;15(1):45-6

4-Aminopyridine leads to restoration of conduction in demyelinated rat sciatic nerve. Targ EF, et al. **Brain Res** 1985 Mar 4;328(2):358-61

Arrest of neuropathy and myopathy in abetalipoproteinemia with high-dose vitamin E therapy. Hegele RA, et al. **Can Med Assoc J** 1985 Jan 1;132(1):41-4

Bovine brain gangliosides in the treatment of human sensory and motor neuronal degenerations. Bradley WG, et al. **Clin Neurol Neurosurg** 1985;87(1):23-6

[Symptomatic therapy in polyneuropathies] Scholz E, et al. **Internist (Berlin)** 1984 Oct;25(10):648-52 **(Ger)**

[Immediate effects of cerebral gangliosides in peripheral neuropathies: electromyographic evaluation] Forti F, et al. **Arq Neuropsiquiatr** 1984 Dec;42(4):356-61 (Eng. Abstr.) **(Por)**

ETIOLOGY

Morbid obesity, gastric plication and a severe neurological deficit. Somer H, et al. **Acta Med Scand** 1985;217(5):575-6

Polyarteritis nodosa and peripheral neuropathy. Ultrastructural study of 13 cases. Vital A, et al. **Acta Neuropathol (Berl)** 1985;67(1-2):136-41

Polyclonal plasma cell proliferation with systemic capillary hemangiomatosis, endocrine disturbance, and peripheral neuropathy. Ono K, et al. **Acta Pathol Jpn** 1985 Jan; 35(1):251-67

Where did you get those shoes ? Ferguson RK. **Arch Intern Med** 1984 Dec;144(12):2406-7

Diagnosis and treatment of lumbosacral plexopathies in patients with cancer. Pettigrew LC, et al. **Arch Neurol** 1984 Dec;41(12):1282-5

Skeletal muscle and peripheral nerve changes caused by chronic arterial insufficiency--significance and clinical correlations--histological, histochemical and ultrastructural study. Farinon AM, et al. **Clin Neuropathol** 1984 Nov-Dec;3(6):240-52

The peripheral nervous system in dialyzed uremic patients: regressive motor unit changes. Savazzi GM, et al. **Contrib Nephrol** 1985;45:42-59

Evidence of pudendal neuropathy in patients with perineal descent and chronic straining at stool. Kiff ES, et al. **Gut** 1984 Nov;25(11):1279-82

Polyneuropathy. Inflammatory or toxic? Dyck PJ. **Hosp Pract [Off]** 1985 Sep 30;20(9A):91-3, 96-7, 103-6

Acute inflammatory polyneuropathy and brachial plexopathy. Scardigli K, et al. **IMJ** 1985 Jul;168(1):36-9

Nerve damage in leprosy--its complications prevention and management. Mitra SK. **Indian J Dermatol** 1984 Jan; 29(1):11-7 (0 ref.)

Problems of etiology in femoral neuropathies. Compagnoni L, et al. **Ital J Neurol Sci** 1985 Mar;6(1):37-41

Stretch of the femoral nerve in a dancer. A case report. Miller EH, et al. **J Bone Joint Surg [Am]** 1985 Feb;67(2):315-7

Upper extremity neuropathies after cardiac surgery. Seyfer AE, et al. **J Hand Surg [Am]** 1985 Jan;10(1):16-9

The peripheral neuropathy of vitamin B12 deficiency. McCombe PA, et al. **J Neurol Sci** 1984 Oct;66(1):117-26

Neurological manifestations in systemic sclerosis (scleroderma). Lee P, et al. **J Rheumatol** 1984 Aug; 11(4):480-3

Hypereosinophilic syndrome presenting as peripheral neuropathy. Bell D, et al. **Postgrad Med J** 1985 May; 61(715):429-32

Giant cell arteritis presenting with peripheral neuropathy. Mulcahy F, et al. **Postgrad Med J** 1984 Oct;60(708):670-1

Thiamine deficiency-induced gestational polyneuropathy and encephalopathy. A case report. Nel JT, et al. **S Afr Med J** 1985 Apr 13;67(15):600-3

Brachial plexus neuropathy from metastatic testicular seminoma. Prolonged survival after surgery and radiation therapy. Hans S, et al. **Urology** 1985 Apr;25(4):398-400

[Carpal tunnel syndrome with digital ulcerations in a patient with renal insufficiency on periodic hemodialysis] Adoue D, et al. **Ann Dermatol Venereol** 1984;111(11):1019-21 **(Fre)**

[Pituitary adenoma secreting somatotropic hormone. Gigantism and peripheral neuropathy. A case] Bercovici JP, et al. **Presse Med** 1984 Sep 15;13(31):1885-8 (Eng. Abstr.) **(Fre)**

[Polyneuropathy and monoclonal gammopathy in Parker-Jackson tumor (letter)] Galmiche JG, et al. **Presse Med** 1985 Feb 16;14(7):431-2 **(Fre)**

[Neuropathy with contractures evoking the stiff-man syndrome. Latent solitary plasmacytoma] Aimard G, et al. **Rev Neurol (Paris)** 1984;140(8-9):510-2 (Eng. Abstr.) **(Fre)**

[Sensori-motor neuropathy in rheumatoid polyarthritis. Anatomo-clinical study] Duboureau J, et al. **Rev Rhum Mal Osteoartic** 1985 May;52(5):329-31 **(Fre)**

[New aspects of the vibration disease. Results of a study in a large factory] Grzegorczyk L. **Derm Beruf Umwelt** 1985; 33(2):55-8 (Eng. Abstr.) **(Ger)**

[Neurological changes in patients with multiple myeloma] Kraj M, et al. **Nowotwory** 1984 Apr-Jun;34(2):169-80 (Eng. Abstr.) **(Pol)**

[Polyneuropathy in the course of hyperthyroidism: report of a case] Mattos VM, et al. **Arq Neuropsiquiatr** 1984 Sep; 42(3):282-8 (Eng. Abstr.) **(Por)**

[Dynamics of morphologic changes in joint innervation during hypokinesia--a space flight model factor] Drobyshev VI, et al. **Kosm Biol Aviakosm Med** 1984 Jul-Aug;18(4):43-9 (Eng. Abstr.) **(Rus)**

[Neurologic disorders in tumors of the sacrococcygeal region] Zatsepin ST, et al. **Ortop Travmatol Protez** 1984 Oct;(10):38-42 (Eng. Abstr.) **(Rus)**

[Lesions of the spinal cord and peripheral nerves in cardiopulmonary failure] Martynov IuS, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1649-54 (Eng. Abstr.) **(Rus)**

[Role of neurotrophic control in the formation of vertebrogenic neural and myodystrophic syndromes] Popelianskiĭ IaIu, et al. **Zh Nevropatol Psikhiatr** 1985; 85(3):333-7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

A variety of olivopontocerebellar atrophy distinguished by slow eye movements and peripheral neuropathy. Wadia NH. **Adv Neurol** 1984;41:149-77

Family studies of the genetic abnormality in transthyretin (prealbumin) in Portuguese patients with familial amyloidotic polyneuropathy. Saraiva MJ, et al. **Ann NY Acad Sci** 1984;435:86-100

Sensorineural deafness and peripheral neuropathy [letter] Pauli RM. **Clin Genet** 1984 Oct;26(4):383-4

Familial amyloid polyneuropathy: report of a family.

Giangaspero F, et al. **Clin Neuropathol** 1985 May-Jun; 4(3):105-10

Identification of carriers of a variant plasma prealbumin (transthyretin) associated with familial amyloidotic polyneuropathy type I. Benson MD, et al. **J Clin Invest** 1985 Jan;75(1):71-5

Nephelometric measurement of human serum prealbumin and correlation with acute-phase proteins CRP and SAA: results in familial amyloid polyneuropathy. Connors LH, et al. **J Lab Clin Med** 1984 Oct;104(4):538-45

Familial amyloidotic polyneuropathy: ocular manifestations with clinicopathological observation. Futa R, et al. **Jpn J Ophthalmol** 1984;28(3):289-98

Childhood detection of familial amyloidotic polyneuropathy [letter] Nakazato M, et al. **Lancet** 1985 Jan 12;1(8420):99

Presymptomatic diagnosis of heterozygosity for familial amyloidotic polyneuropathy by recombinant DNA techniques [letter] Sasaki H, et al. **Lancet** 1985 Jan 12; 1(8420):100

Peripheral neuropathy, high serum IgM, and paraproteinemia in mother and son. Busis NA, et al. **Neurology** 1985 May; 35(5):679-83

Prealbumin in Swedish patients with senile systemic amyloidosis and familial amyloidotic polyneuropathy. Felding P, et al. **Scand J Immunol** 1985 Feb;21(2):133-40

[Hereditary fragility of the peripheral nerves. Clinical and neurophysiologic study of 23 cases. Review of the literature] Roth G, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 135(2):243-64 (Eng. Abstr.) **(Fre)**

[Contribution to our knowledge of Thévenard's ulcero-mutilating acropathy] Simonetti C, et al. **Riv Neurol** 1984 Sep-Oct;54(5):315-34 (Eng. Abstr.) **(Ita)**

[Hereditary motor and sensory neuropathy type I in early childhood. Clinical features and the findings of nerve pathology] Tachi N, et al. **No To Hattatsu** 1985 Jul; 17(4):318-24 (Eng. Abstr.) **(Jpn)**

[A case of motor sensory neuropathy associated with mental retardation, conductive deafness and cerebellar signs] Tojo M, et al. **No To Hattatsu** 1985 May;17(3):271-3 **(Jpn)**

[Portuguese-type familial amyloidotic polyneuropathy: presentation of a case] Peinado Guerrero E, et al. **Med Clin (Barc)** 1985 Feb 9;84(5):191-4 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Polyneuropathy in Waldenström's macroglobulinaemia: reduction of endoneurial IgM-deposits after treatment with chlorambucil and plasmapheresis. Meier C, et al. **Acta Neuropathol (Berl)** 1984;64(4):297-307

Neuropathy and anti-myelin-associated glycoprotein IgM M proteins: T cell regulation of M protein secretion in vitro. Latov N, et al. **Ann Neurol** 1985 Aug;18(2):182-8

Polyneuropathy and IgM monoclonal gammopathy: studies on the pathogenetic role of anti-myelin-associated glycoprotein antibody. Mendell JR, et al. **Ann Neurol** 1985 Mar;17(3):243-54

Immunofluorescence study of patients with neuropathy and IgM M proteins. Takatsu M, et al. **Ann Neurol** 1985 Aug; 18(2):173-81

Neuronal antinuclear antibody in sensory neuronopathy from lung cancer. Graus F, et al. **Neurology** 1985 Apr; 35(4):538-43

Waldenström's macroglobulinemia and peripheral neuropathy: deposition of M-component and kappa light chain in the endoneurium. Vital C, et al. **Neurology** 1985 Apr;35(4):603-6

[Inflammatory and immunologically-induced diseases of the peripheral nerves] Wiethölter H, et al. **Internist (Berlin)** 1984 Oct;25(10):599-606 **(Ger)**

METABOLISM

Excitability changes reveal decreased sodium permeability in neuropathy. Brismar T, et al. **Exp Neurol** 1985 Jan; 87(1):177-80

The neuropathy of plasma cell dyscrasia: binding of IgM M-proteins to peripheral nerve glycolipids. Freddo L, et al. **Neurology** 1985 Oct;35(10):1420-4

[Autonomic neuropathy of the peripheral nerves] Takahashi K. **Nippon Rinsho** 1984 Apr;42(4):850-4 **(Jpn)**

OCCURRENCE

Validation of self-administered questionnaire for study of peripheral neuropathy. Freeman RW, et al. **Am J Epidemiol** 1985 Feb;121(2):291-300

Tropical myeloneuropathies: the hidden endemias. Roman GC, et al. **Neurology** 1985 Aug;35(8):1158-70 (239 ref.)

PATHOLOGY

Ultrastructural and histophysiological studies on the blood-nerve barrier and perineurial barrier in leprosy neuropathy. Boddingius J. **Acta Neuropathol (Berl)** 1984; 64(4):282-96

Glial bundles in spinal nerve roots. An immunocytochemical study stressing their nonspecificity in various spinal cord and peripheral nerve diseases. Kimura T, et al. **Acta Neuropathol (Berl)** 1984;65(1):46-52

Axonal attenuation and secondary segmental demyelination in myeloma neuropathies. Ohi T, et al. **Ann Neurol** 1985 Mar;17(3):255-61

Peripheral neuropathy in cerebrotendinous xanthomatosis. Katz DA, et al. **Arch Neurol** 1985 Oct;42(10):1008-10

Legionnaires' disease-associated neuropathy. Villoslada C, et al. **Arch Neurol** 1985 Aug;42(8):733

Congenital giant axonal neuropathy. Kinney RB, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):639-41

Perineurioma [letter] Vallat JM, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):591

Localized hypertrophic neuropathy--a rare, clinically almost unknown syndrome. Böker DK, et al. **Clin Neuropathol** 1984 Sep-Oct;3(5):228-30

Study of the involvement of the sciatic nerve following inoculation with M. leprae and other mycobacteria in the mouse foot pad. Kamala AN, et al. **Int J Lepr Other Mycobact Dis** 1984 Dec;52(4):506-14

The importance of quantitative electron microscopy in studying hypertrophic neuropathies. A comparison between a case of Déjérine Sottas disease (HMSN III) and a case of the hypertrophic form of Charcot-Marie-Tooth disease (HMSN I). Tredici G, et al. **Int J Tissue React** 1984;6(3):267-74

Taxol-induced neuropathy: further ultrastructural studies of nerve fibre changes in situ. Röytta M, et al. **J Neurocytol** 1985 Feb;14(1):157-75

Slow axonal transport in acrylamide neuropathy: different abnormalities produced by single-dose and continuous administration. Gold BG, et al. **J Neurosci** 1985 Jul; 5(7):1755-68

Untreated borderline-leprosy in the ulnar nerve: light and electron microscopical studies. Vieregge P, et al. **Lepr Rev** 1985 Mar;56(1):5-15

Chronic demyelinating neuropathy with IgM-producing lymphocytes in peripheral nerve and delayed appearance of 'benign' monoclonal gammopathy. Julien J, et al. **Neurology (NY)** 1984 Oct;34(10):1387-9

Acrylamide-induced ascending degeneration of ligated peripheral nerve: effect of ligature location. Sharer LR, et al. **Neuropathol Appl Neurobiol** 1985 May-Jun; 11(3):191-200

Hypertrophic neuropathy with diabetes mellitus. Shiraishi S, et al. **Sangyo Ika Daigaku Zasshi** 1983 Jun 1;5(2):283-9

[Intrathecal cyst of the common fibular nerve] Chen JK. **Chung Hua I Hsueh Tsa Chih** 1984 Jun;64(6):387-8 **(Chi)**

PHYSIOPATHOLOGY

Neuropathy associated with Brescia-Cimino arteriovenous fistulas. Knezevic W, et al. **Arch Neurol** 1984 Nov; 41(11):1184-6

Sarcoidosis of the peripheral nerve: clinical, electrophysiological and histological study of two cases. Galassi G, et al. **Eur Neurol** 1984;23(6):459-65

Evolution of axonal swellings in cats intoxicated with beta,beta'-iminodipropionitrile (IDPN). An electrophysiological and morphological study. Delio DA, et al. **Exp Neurol** 1985 Feb;87(2):235-48

Sural nerve conduction in mild polyneuropathy. Kayser-Gatchalian MC, et al. **J Neurol** 1984;231(3):122-5

An improved automated method for the measurement of thermal thresholds. 2. Patients with peripheral neuropathy. Jamal GA, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr; 48(4):361-6

Sympathetic skin response [letter] Martyn CN, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):490

Evidence of motor neuron involvement in chronic respiratory insufficiency. Valli G, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1117-21

Changes in electrical threshold in human peripheral neuropathy. Brismar T. **J Neurol Sci** 1985 May; 68(2-3):215-23

Effects of IDPN-induced axonal swellings on conduction in motor nerve fibers. Stanley EF, et al. **J Neurol Sci** 1985 Jul;69(3):183-200

Effects of potassium channel-blocking agents on spontaneous discharges from neuromas in rats. Burchiel KJ, et al. **J Neurosurg** 1985 Aug;63(2):246-9

Thermographic imaging of cutaneous sensory segment in patients with peripheral nerve injury. Skin-temperature stability between sides of the body. Uematsu S. **J Neurosurg** 1985 May;62(5):716-20

Electrophysiologic quantification of distal polyneuropathy in diabetes. Odusote K, et al. **Neurology** 1985 Oct; 35(10):1432-7

Peripheral neuropathy in hypereosinophilic syndrome. Wichman A, et al. **Neurology** 1985 Aug;35(8):1140-5

Ectopic sensory discharges and paresthesiae in patients with disorders of peripheral nerves, dorsal roots and dorsal columns. Nordin M, et al. **Pain** 1984 Nov;20(3):231-45

Giant axonal neuropathy: acceleration of neurofilament transport in optic axons. Monaco S, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):920-4

[A case of facial contracture in acute polyradiculopathy with electromyographic myokymia and permanent activity. Regressive development] Bastard J, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):379-88 (Eng. Abstr.) **(Fre)**

[Clinical physiopathology of axoplasmic flow] Nava L, et al. **Riv Neurol** 1984 Jul-Aug;54(4):274-87 (Eng. Abstr.) **(Ita)**

[Uremic polyneuropathy: a study of vibratory perception threshold in 19 patients] Werneck LC, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):215-20 (Eng. Abstr.) **(Por)**

RADIOGRAPHY

Metrizamide CT myelography in cervical myelopathy and radiculopathy: correlation with conventional myelography and surgical findings. Badami JP, et al. **AJR** 1985 Apr; 144(4):675-80

Pulmonary tuberculosis with peripheral neuropathy: the importance of a lateral chest film. Ingato S, et al. **J Tenn Med Assoc** 1985 Jul;78(7):436-7

SURGERY

Operative treatment for radiation-induced and metastatic brachial plexopathy in 45 cases, 15 having an omentoplasty. Narakas AO. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall; 44(2):354-75

Peripheral nerve surgery. McQuarrie IG. **Neurol Clin** 1985 May;3(2):453-66 (64 ref.)

Results of surgical treatment of radiculomyelopathy caused by cervical arthrosis based on 1000 operations. Lesoin F, et al. **Surg Neurol** 1985 Apr;23(4):350-5

[Strategy and tactics in leprosy surgery] Bourrel P. **Acta Leprol (Geneve)** 1984 Jan-Mar;(94):55-63 **(Fre)**

[Results of surgical treatment of common peripheral nerve lesions of the upper extremities] Witzmann A, et al. **Wien Med Wochenschr** 1985 Jun 15;135(11):285-8 (Eng. Abstr.) **(Ger)**

THERAPY

[Microcirculation, mesotherapy and thermography] Thierrée RA, et al. **J Mal Vasc** 1985;10 Suppl A:207-8 **(Fre)**

[Laser therapy of peripheral nerve diseases] Durinian RA, et al. **Sov Med** 1984;(8):100-4 **(Rus)**

[Electromyography in patients in the terminal stages of chronic renal failure treated with regular hemodialysis and hemosorption] Ender LA, et al. **Urol Nefrol (Mosk)** 1984 Sep-Oct;(5):57-62 (Eng. Abstr.) **(Rus)**

[Use of transcutaneous electric stimulation in diseases of the peripheral nervous system] Kulakov AV. **Vrach Delo** 1985 Feb;(2):93-4 (Eng. Abstr.) **(Rus)**

[Analgesic effect of high-frequency and acupuncture-like transcutaneous electric stimulation of nerve fibers in spinal osteochondrosis] Starobinets MKh, et al. **Zh Nevropatol Psikhiatr** 1985;85(3):350-4 (Eng. Abstr.) **(Rus)**

VETERINARY

An unusual incidence of neurological disease affecting horses during a drought. Robertson-Smith RG, et al. **Aust Vet J** 1985 Jan;62(1):6-12

Peripheral polyneuropathy in a dog with functional islet B-cell tumor and widespread metastasis. Shahar R, et al. **J Am Vet Med Assoc** 1985 Jul 15;187(2):175-7

Acute canine idiopathic polyneuropathy (ACIP) serum demyelinates peripheral nerve in vivo. Brown MJ, et al. **J Neuroimmunol** 1985 Jan;7(4):239-48

PERIPHERAL NERVE NEOPLASMS

ANALYSIS

Immunolocalization of laminin in neoplasms of the central and peripheral nervous systems. McComb RD, et al. **J Neuropathol Exp Neurol** 1985 May;44(3):242-53

COMPLICATIONS

Posttraumatic neuroma of the median nerve: a cause of carpal tunnel syndrome. Martinelli P, et al. **Eur Neurol** 1985; 24(1):13-5

Compression neuropathy secondary to neurilemoma. Brietstein RJ. **J Am Podiatr Med Assoc** 1985 Mar; 75(3):160-1

Intrathecal paraganglioma of the cauda equina. Reyes MG, et al. **Neurosurgery** 1984 Oct;15(4):578-82

[Hydrocephalus aresorptivus and parkinsonism caused by a cauda ependymoma] Kalff R. **Fortschr Neurol Psychiatr** 1985 Mar;53(3):85-7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Symptomatic incisional neuromas on the dorsum of the foot. Kenzora JE. **Foot Ankle** 1984 Jul-Aug;5(1):2-15

Tumours of the cauda equina. The problem of differential diagnosis. Ker NB, et al. **J Bone Joint Surg [Br]** 1985 May; 67(3):358-62

Nerve tumours in the upper limb. A clinical review. Holdsworth BJ. **J Hand Surg [Br]** 1985 Jun;10(2):236-8

Ultrasound evaluation of benign sciatic nerve sheath tumors. Hoddick WK, et al. **J Ultrasound Med** 1984 Nov; 3(11):505-7

Brachial plexopathy: recurrent cancer or radiation? Lederman RJ, et al. **Neurology (NY)** 1984 Oct; 34(10):1331-5

Neurilemomas of the cauda equina presenting as prolapsed lumbar intervertebral disks. Nayernouri T. **Surg Neurol** 1985 Feb;23(2):187-8

[Solitary neurofibroma of the lumbosacral plexus. Case report] Teichmann A, et al. **Geburtshilfe Frauenheilkd** 1985 Jun;45(6):411-3 (Eng. Abstr.) **(Ger)**

[Space occupying lesions in the conus-cauda area--other than intervertebral disks] Firsching R, et al. **Nervenarzt** 1985 Apr;56(4):200-5 **(Ger)**

[Congenital neurofibromatosis presenting as neonatal cerebral damage with hypsarrhythmia] Goldberg A, et al. **Harefuah** 1985 Apr 1;108(7):332-3 (Eng. Abstr.) **(Heb)**

PATHOLOGY

Fibrolipomatous hamartoma of nerve. A clinicopathologic analysis of 26 cases. Silverman TA, et al. **Am J Surg Pathol** 1985 Jan;9(1):7-14

Peripheral neuroepithelioma in childhood. Voss BL, et al. **Cancer** 1984 Dec 15;54(12):3059-64

Malignant epithelioid schwannoma arising in a benign schwannoma. A case report. Yousem SA, et al. **Cancer** 1985 Jun 15;55(12):2799-803

Localized hypertrophic neuropathy: a perineurialoma? [letter] Gullotta F. **Clin Neuropathol** 1985 Mar-Apr;4(2):92

Chemodectoma of the cauda equina: case report. Ilgren EB, et al. **Clin Neuropathol** 1984 Jul-Aug;3(4):148-52

Primitive neuroectodermal tumors of the cauda equina in adults with no detectable primary intracranial neoplasm--three case studies. Kepes JJ, et al. **Clin Neuropathol** 1985 Jan-Feb;4(1):1-11

Sarcoma of nerve sheath of head and neck. Cutchavaree A, et al. **J Med Assoc Thai** 1984 Aug;67(8):448-55

Solitary neurofibroma of the lumbosacral plexus [letter] Argyrakis A, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):844-6

Malignant peripheral nerve sheath tumors in childhood. Ducatman BS, et al. **J Neurooncol** 1984;2(3):241-8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 12-1985. A 49-year-old man with a neurologic disorder and abnormal cells in the cerebrospinal fluid. **N Engl J Med** 1985 Mar 21; 312(12):774-83

Hemorrhage into a spinal ependymoma after peridural anesthesia. Antoniadis G, et al. **Neurosurgery** 1985 May; 16(5):669-71

Case report 275. Neurilemmoma right foot. Galuten A, et al. **Skeletal Radiol** 1984;12(2):129-32

Glial fibrillary acidic protein (GFAP) immunoreactivity in peripheral nerve sheath tumors. Memoli VA, et al. **Ultrastruct Pathol** 1984;7(4):269-75

Elephantiasis neuromatosa. A light, immunohistochemical and electron microscopic study. Holck S, et al. **Virchows Arch** [A] 1984;404(4):427-34

[Granular cell tumor localized in a digital nerve] Bue P, et al. **Ugeskr Laeger** 1984 Jul 30;146(31):2319-20 (Eng. Abstr.) **(Dan)**

[Sarcomas of nervous origin] Leroy JP, et al. **Arch Anat Cytol Pathol** 1984;32(6):333-8 (Eng. Abstr.) **(Fre)**

[Case report on lipofibromatous hamartoma of the median nerve: neuropathologic report of 2 cases] Schober R, et al. **Acta Neuropathol (Berl)** 1985;66(1):18-23 (Eng. Abstr.) **(Ger)**

[Two cases of paragangliomas of the cauda equina--case reports and review of the literature] Minase T, et al. **Gan No Rinsho** 1985 Jul;31(8):1012-7 (Eng. Abstr.) **(Jpn)**

[An autopsy case of intracranial multiple meningiomas associated with extracranial multiple neurinomas] Watanabe M, et al. **No Shinkei Geka** 1984 Jul;12(8):995-9 (Eng. Abstr.) **(Jpn)**

[Case of malignant neurofibroma of the cervicobrachial plexus] Larionova IK, et al. **Klin Med (Mosk)** 1985 Apr; 63(4):120-2 **(Rus)**

RADIOGRAPHY

Hemangioblastoma of the cauda equina. Wolbers JG, et al. **Clin Neurol Neurosurg** 1985;87(1):55-9

[Tumoral spinal meningeal hemorrhage during anticoagulant treatment] Destée A, et al. **Rev Neurol (Paris)** 1984; 140(8-9):517-9 (Eng. Abstr.) **(Fre)**

SECONDARY

Leptomeningeal metastases: peripheral nerve and root involvement--clinical and electrophysiological study. Argov Z, et al. **Ann Neurol** 1985 Jun;17(6):593-6

[Spinal cord metastasis of a glioblastoma] Boissonnot L, et al. **Acta Neurol Belg** 1985 Jan-Feb;85(1):5-12 (Eng. Abstr.) **(Fre)**

[A case of squamous cell carcinoma of the palm invading along the ulnar nerve] Masahashi T, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Nov;94(13):1509-14 **(Jpn)**

SURGERY

Lipofibromas of the median nerve: long-term follow-up of four cases. Louis DS, et al. **J Hand Surg [Am]** 1985 May; 10(3):403-8

Primary rhabdomyosarcoma of the central nervous system: case report. Bradford R, et al. **Neurosurgery** 1985 Jul; 17(1):101-4

Radical removal of lipomas of the conus and cauda equina with laser microneurosurgery. James HE, et al. **Neurosurgery** 1984 Sep;15(3):340-3

Intrasacral ependymoma. Report of 2 cases and review of the literature. Ciapetta P, et al. **Zentralbl Neurochir** 1984; 45(4):326-8

THERAPY

[Animal experiments of neuroma treatment with histoacryl] Martini AK. **Handchir Mikrochir Plast Chir** 1985 Mar; 17(2):78-80 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Light & electron microscopy of benign peripheral nerve sheath tumors. Verma RN, et al. **Indian J Pathol Microbiol** 1984 Oct;27(4):325-9

Tubular apocrine adenoma with perineural invasion. Burket JM, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 1):639-42

Paraganglioma of the cauda equina: a histological, ultrastructural and immunocytochemical study of two cases with a review of the literature. Ironside JW, et al. **J Pathol** 1985 Feb;145(2):195-201

Malignant peripheral neuroectodermal tumours of childhood and adolescence. Schmidt D, et al. **Virchows Arch** [A] 1985; 406(3):351-65

PERIPHERAL NERVES

Prevention of denervation atrophy in muscle: mammalian neurotrophic factor is not transferrin. Davis HL, et al. **Brain Res** 1984 Sep 10;309(2):293-8

Encephalomyeloneuritis simulating Guillain-Barré syndrome. Brashear HR, et al. **Neurology** 1985 Aug; 35(8):1146-51

ANALYSIS

Characterization of a plasma membrane protein present in non-myelin-forming PNS and CNS glia, a subpopulation of PNS neurons, perineurial cells and smooth muscle in adult rats. Mirsky R, et al. **Cell Tissue Res** 1985; 240(3):723-33

Peripherin, a new member of the intermediate filament protein family. Portier MM, et al. **Dev Neurosci** 1983-84; 6(6):335-44

Lipid composition of the peripheral nerves in malnutrition: an experimental study in young rhesus monkeys. Rana SV, et al. **J Med Primatol** 1984;13(4):205-17

S100a0 (alpha alpha) protein is present in neurons of the central and peripheral nervous system. Isobe T, et al. **J Neurochem** 1984 Nov;43(5):1494-6

Glial fibrillary acidic protein (GFAP)-like immunoreactivity in the rodent eye. Comparison between peripheral glia of the anterior uvea and central glia of the retina. Björklund H, et al. **J Neuroimmunol** 1985 Jun;8(4-6):331-45

A subset of Schwann cells in peripheral nerves contain a 50-kDa protein antigenically related to astrocyte intermediate filaments. Fields KL, et al. **J Neuroimmunol** 1985 Jun;8(4-6):311-30

Glial fibrillary acidic polypeptides in peripheral glia. Molecular weight, heterogeneity and distribution. Jessen KR, et al. **J Neuroimmunol** 1985 Jun;8(4-6):377-93

Comparative immunohistochemical and biochemical analysis of pancreatic polypeptide-like peptides with special reference to presence of neuropeptide Y in central and peripheral neurons. Lundberg JM, et al. **J Neurosci** 1984 Sep;4(9):2376-86

Nerve growth factor in three neurologically deficient mouse mutants. Ebendal T, et al. **Neurosci Lett** 1984 Sep 7; 50(1-3):121-6

Nerve growth factor supply for sensory neurons: site of origin and competition with the sympathetic nervous system. Korsching S, et al. **Neurosci Lett** 1985 Mar 15; 54(2-3):201-5

[Myelin proteins in the central and peripheral nervous system] Uyemura K, et al. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1056-68 (86 ref.) **(Jpn)**

ANATOMY & HISTOLOGY

Quantitation of the Schmidt-Lanterman incisures in juvenile, adult, remyelinated and regenerated fibres of the chicken sciatic nerve. Cooper NA, et al. **Acta Neuropathol (Berl)** 1984;64(3):251-8

Comparison of insulated and uninsulated needles for locating peripheral nerves with a peripheral nerve stimulator. Ford DJ, et al. **Anesth Analg** 1984 Oct;63(10):925-8

Specificity of innervation among Xenopus twitch muscle fibers. Nudell B, et al. **Brain Res** 1985 Mar 25;330(2):353-7

Peripheral configuration and central projections of the lateral line system in Astronotus ocellatus (Cichlidae): a nonelectroreceptive teleost. Meredith GE. **J Comp Neurol** 1984 Sep 20;228(3):342-58

The somatotopic organization of primary afferent terminals in the superficial laminae of the dorsal horn of the rat spinal cord. Swett JE, et al. **J Comp Neurol** 1985 Jan 1; 231(1):66-77

The design and construction of a multiple proportional counter used to study axonal transport. Snyder RE. **J Neurosci Methods** 1984 Jun;11(2):79-88

[Anatomy and development of the peripheral autonomic nervous system] Kanemitsu A. **No To Shinkei** 1985 Jan; 37(1):7-17 **(Jpn)**

[Supplementary photochemical luminescent staining of impregnated sections] Tsimmerman VG. **Arkh Anat Gistol Embriol** 1985 Mar;88(3):95-6 **(Rus)**

BLOOD SUPPLY

Ischemic conduction failure and energy metabolism in experimental diabetic neuropathy. Low PA, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):E457-62

The clinical spectrum of necrotizing angiopathy of the peripheral nervous system. Kissel JT, et al. **Ann Neurol** 1985 Aug;18(2):251-7

Galactose neuropathy: impact of chronic endoneurial edema on nerve blood flow. Myers RR, et al. **Ann Neurol** 1984 Nov;16(5):587-94

[Use of electrolytic hydrogen clearance for hemodynamic measurement of peripheral nerve blood flow] Cheng AG, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Feb;23(2):81-3, 126 (Eng. Abstr.) **(Chi)**

CYTOLOGY

A cell surface protein of astrocytes, Ran-2, distinguishes non-myelin-forming Schwann cells from myelin-forming Schwann cells. Mirsky R, et al. **Dev Neurosci** 1983-84; 6(6):304-16

Specific replacements of pyruvate for trophic support of central and peripheral nervous system neurons. Facci L, et al. **J Neurochem** 1985 Sep;45(3):926-34

[Cellular and molecular basis of the participation of prostaglandins in the function of the nervous system] Gromov AI, et al. **Usp Fiziol Nauk** 1985 Apr-Jun; 16(2):77-97 (147 ref.) **(Rus)**

DRUG EFFECTS

Direct opioid application to peripheral nerves does not alter compound action potentials. Yuge O, et al. **Anesth Analg** 1985 Jul;64(7):667-71

The central and peripheral influences of opioids on gastrointestinal propulsion. Manara L, et al. **Annu Rev Pharmacol Toxicol** 1985;25:249-73 (171 ref.)

Mode of action of peripheral analgesics. Brune K, et al. **Arzneimittelforsch** 1984;34(9A):1060-5

Effects of capsaicin applied to a peripheral nerve on the responses of primate spinothalamic tract cells. Chung JM, et al. **Brain Res** 1985 Mar 11;329(1-2):27-38

Hemolysis as a possible indicator of neurotoxicity induced by organic solvents. Anderson RJ, et al. **Environ Health Perspect** 1984 Dec;58:393-6

Histopathology of spinal cord, peripheral nerve, and soleus muscle of rats treated with triethyltin bromide. Richman EA, et al. **Exp Neurol** 1984 Oct;86(1):122-33

Studies on the possible central and peripheral effects in man of a cholinesterase inhibitor (pyridostigmine). Borland RG, et al. **Hum Toxicol** 1985 May;4(3):293-300

Changes of n-hexane neurotoxicity and its urinary metabolites by long-term co-exposure with MEK or toluene. Iwata M, et al. **Int Arch Occup Environ Health** 1984;54(4):273-81

The effects of capsaicin applied to peripheral nerves on responses of a group of lamina I cells in adult rats. McMahon SB, et al. **J Comp Neurol** 1984 Aug 10; 227(3):393-400

Depression of fast axonal transport produced by tullidora. Muñoz-Martínez EJ, et al. **J Neurobiol** 1984 Sep; 15(5):375-92

Electrophysiologic deficits in peripheral nerve as a discriminator of early hexacarbon neurotoxicity. Anderson RJ, et al. **J Toxicol Environ Health** 1984;13(4-6):835-43

Neurobehavioral assessment of chronic low-level methyl bromide exposure in the rabbit. Russo JM, et al. **J Toxicol Environ Health** 1984;14(2-3):247-55

A rodent model of organophosphorus-induced delayed neuropathy: distribution of central (spinal cord) and peripheral nerve damage. Veronesi B. **Neuropathol Appl Neurobiol** 1984 Sep-Oct;10(5):357-68

Effect of nerve growth factor on intramuscular axons of neonatal mice. Hopkins WG, et al. **Neuroscience** 1984 Nov; 13(3):951-6

Time course of effect of capsaicin on ultrastructure and histochemistry of substance P-immunoreactive nerves associated with the cardiovascular system of the guinea-pig. Papka RE, et al. **Neuroscience** 1984 Aug; 12(4):1277-92

The interaction of pyrethroids with voltage-dependent Na channels. Vijverberg HP, et al. **Neurotoxicology** 1985 Summer;6(2):23-34

Hepato- and neuro-toxicity by ethylenthiourea. Ugazio G, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jun; 48(3):401-14

An electrophysiological study of 2-hexanone and 2,5-hexanedione neurotoxicity in rats. Nachtman JP, et al. **Toxicol Lett** 1984 Nov;23(2):141-5

The neurotoxicity of radiosensitizing drugs: a biochemical assessment of desmethylmisonidazole (DMM) in the rat. Rose GP, et al. **Toxicology** 1985 Jan;34(1):43-56

[Side effects of anticonvulsants on the peripheral nervous system and vestibulo-ocular functions] Stefan H. **Fortschr Neurol Psychiatr** 1985 Jan;53(1):29-32 (Eng. Abstr.) **(Ger)**

[Organic solvents. Damage to the peripheral nervous system] Aarli JA, et al. **Tidsskr Nor Laegeforen** 1985 Feb 28; 105(6):417-20 (Eng. Abstr.) **(Nor)**

EMBRYOLOGY

A mesoscopic technique for the study of the development of the peripheral system in rat foetuses. Bloot J, et al. **Acta Morphol Neerl Scand** 1985 Mar;23(1):35-46

How do the migratory and adhesive properties of the neural

NEWARK PUBLIC LIBRARY

crest govern ganglia formation in the avian peripheral nervous system? Duband JL, et al. **J Cell Biochem** 1985; 27(3):189–203 (58 ref.)

Studies of innervation patterns in grafted chick wings. Neset M, et al. **J Comp Neurol** 1985 Feb 1;232(1):70–82

Growth cones and the formation of central and peripheral neurites by sensory neurones in amphibian embryos. Roberts A, et al. **J Neurosci Res** 1985;13(1–2):23–38

Regionally defective colonization of the terminal bowel by the precursors of enteric neurons in lethal spotted mutant mice. Rothman TP, et al. **Neuroscience** 1984 Aug; 12(4):1293–311

ENZYMOLOGY

Action of acrylamide on selected enzymes of energy metabolism in denervated cat peripheral nerves. Ross SM, et al. **Brain Res** 1985 Aug 5;340(1):189–91

Carbonic anhydrase histochemistry. A potential diagnostic method for peripheral nerve repair. Carson KA, et al. **Clin Plast Surg** 1985 Apr;12(2):227–32

The ubiquitous localization of type I hexokinase in rat peripheral nerves, smooth muscle cells and epithelial cells. Lawrence GM, et al. **Histochem J** 1984 Oct;16(10):1113–23

Carbonic anhydrase activity of peripheral nerves [letter] Engel J. **J Hand Surg [Am]** 1985 Jan;10(1):155–6

Retrograde effect of muscle on forms of acetylcholinesterase in peripheral nerves. Bacou F, et al. **J Neurochem** 1985 Oct;45(4):1178–85

Enzymatic regulation of glycoprotein synthesis in peripheral nervous system myelin. Smith ME, et al. **J Neurochem** 1985 Oct;45(4):1205–12

Calcium-activated neutral protease in the peripheral nerve, which requires microM order Ca2+, and its effect on the neurofilament triplet. Kamakura K, et al. **J Neurosci Res** 1985;13(3):391–403

Rapid axonal transport of three molecular forms of acetylcholinesterase in the frog sciatic nerve. Couraud JY, et al. **Neuroscience** 1985 Apr;14(4):1141–7

Ultrastructural cytochemical localization of carbonic anhydrase activity in rat peripheral sensory and motor nerves, dorsal root ganglia and dorsal column nuclei. Riley DA, et al. **Neuroscience** 1984 Sep;13(1):189–206

[Immunohistochemical study of neuron-specific-enolase of the neurocutaneous system] Sakamoto F, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Oct;94(11):1239–45 **(Jpn)**

GROWTH & DEVELOPMENT

Absence of postnatal death among motoneurones supplying the inferior gluteal nerve of the rat. Hardman VJ, et al. **Brain Res** 1985 Mar;351(1):1–9

Injured neurons in the olfactory bulb of the adult rat grow axons along grafts of peripheral nerve. Friedman B, et al. **J Neurosci** 1985 Jun;5(6):1616–25

Myelination process in the rat sciatic nerve during regeneration and development: molecular species composition and acyl group biosynthesis of choline-, ethanolamine-, and serine-glycerophospholipids of myelin fractions. Alberghina M, et al. **Neurochem Res** 1984 Jul; 9(7):887–902

IMMUNOLOGY

Polyneuropathy in Waldenström's macroglobulinaemia: reduction of endoneurial IgM-deposits after treatment with chlorambucil and plasmapheresis. Meier C, et al. **Acta Neuropathol (Berl)** 1984;64(4):297–307

Immunofluorescence study of patients with neuropathy and IgM M proteins. Takatsu M, et al. **Ann Neurol** 1985 Aug; 18(2):173–81

HNK-I antibody reacts with peripheral nerves and sweat glands in the skin. Ando I, et al. **Br J Dermatol** 1985 Aug; 113(2):175–8

Antigenic differences among the voltage-sensitive sodium channels in the peripheral and central nervous systems and skeletal muscle. Wollner DA, et al. **Brain Res** 1985 Apr 1;331(1):145–9

Peripheral neuropathy and paraproteinemia: an immunohistochemical and serologic study. Johansen P, et al. **Clin Neuropathol** 1985 May–Jun;4(3):99–104

Posttraumatic autoimmune reaction in peripheral nerve: effect of a single injury. de Medinaceli L, et al. **Exp Neurol** 1985 May;88(2):372–84

Acute canine idiopathic polyneuropathy (ACIP) serum demyelinates peripheral nerve in vivo. Brown MJ, et al. **J Neuroimmunol** 1985 Jan;7(4):239–48

Reactivity of sera and isolated monoclonal IgM from patients with Waldenström's macroglobulinaemia with peripheral nerve myelin. Harbs H, et al. **J Neurol** 1985;232(1):43–8

Detection of a cell surface antigen found on rat peripheral nervous system neurons and multiple glia: astrocytes, oligodendrocytes, and Schwann cells. Akeson R, et al. **J Neurosci Res** 1984;12(1):41–57

Residual complement activity after incubation with myelin isolated from both the central and peripheral nervous tissues. Gandhi VC, et al. **Mol Immunol** 1985 Apr; 22(4):495–8

A human lymphocyte antigen is shared with a group of glycoproteins in peripheral nerve. Inuzuka T, et al. **Neurosci Lett** 1984 Sep 28;51(1):105–11

INJURIES

Effect of nerve injury on fracture healing. Callus formation studied in the rat. Aro H. **Acta Orthop Scand** 1985 Jun; 56(3):233–7

Human cutaneous mechanoreceptors during regeneration: physiology and interpretation. Mackel R. **Ann Neurol** 1985 Aug;18(2):165–72

Central consequences of peripheral nerve injuries. Dykes RW. **Ann Plast Surg** 1984 Nov;13(5):412–22

The orthopedic patient. Identifying neurovascular injury. Urbanski PA. **AORN J** 1984 Nov;40(5):707–11

Sensory reinnervation of cat peroneus brevis muscle spindles after nerve crush. Barker D, et al. **Brain Res** 1985 Apr 29;333(1):131–8

Structure and function of fetal cortex implanted into degenerating peripheral nerve of adult rat. Bernstein JJ, et al. **Brain Res** 1984 Dec 24;324(2):243–51

Regeneration of axons in tributary nerves. Jenq CB, et al. **Brain Res** 1984 Sep 17;310(1):107–21

Numbers of regenerating axons in parent and tributary peripheral nerves in the rat. Jenq CB, et al. **Brain Res** 1985 Feb 4;326(1):27–40

The effect of reducing the peripheral field on motoneurone development in the rat. Krishnan S, et al. **Brain Res** 1985 Mar;351(1):11–20

Properties of cutaneous mechanosensitive afferents during the early stages of regeneration in man. Mackel R, et al. **Brain Res** 1985 Mar 11;329(1–2):49–69

Mammalian endoneurial fluid: collection and protein analysis from normal and crushed nerves. Poduslo JF, et al. **Brain Res** 1985 Apr 15;332(1):91–102

Dendritic changes in the spinal dorsal horn following transection of a peripheral nerve. Sugimoto T, et al. **Brain Res** 1984 Nov 12;321(2):199–208

Posttraumatic autoimmune reaction in peripheral nerve: effect of two successive injuries at the same site. de Medinaceli L, et al. **Exp Neurol** 1985 May;88(2):385–95

Posttraumatic autoimmune reaction in peripheral nerve: effect of two successive injuries at different locations. de Medinaceli L, et al. **Exp Neurol** 1985 May;88(2):396–404

Lone axillary nerve lesion due to closed non-dislocating injury of the shoulder. Hopkins GO, et al. **Injury** 1985 Mar; 16(5):305–6

Effect of conditioning lesion on axonal sprout formation at nodes of Ranvier. McQuarrie IG. **J Comp Neurol** 1985 Jan 8;231(2):239–49

Selective subject attrition in a longitudinal study of head-injured veterans. Sullivan EV, et al. **J Gerontol** 1984 Nov;39(6):718–20

The relationship of peripheral trauma and pain to dystonia. Schott GD. **J Neurol Neurosurg Psychiatry** 1985 Jul; 48(7):698–701

Axonal degeneration in large and small nerve fibres. An electron-microscopic and morphometric study. Malbouisson AM, et al. **J Neurol Sci** 1985 Mar;67(3):307–18

An electron microscopic analysis of the trans-synaptic effects of peripheral nerve injury subsequent to tooth pulp extirpations on neurons in laminae I and II of the medullary dorsal horn. Gobel S **J Neurosci** 1984 Sep;4(9):2281–90

Synthesis of myelin proteins and ultrastructural investigations in regenerating rat sciatic nerve. Alberghina M, et al. **J Neurosci Res** 1985;13(4):551–62

Thermographic presentation of cutaneous sensory and vasomotor activity in the injured peripheral nerve. Brelsford KL, et al. **J Neurosurg** 1985 May;62(5):711–5

Chymopapain and general anesthesia [letter] Parkinson D. **J Neurosurg** 1984 Nov;61(5):993–4

Neurobehavioral evaluation of function following experimental nerve damage. de Medinaceli L, et al. **Neurobehav Toxicol Teratol** 1984 Nov–Dec;6(6):415–7

Secondary transneuronal degeneration: cortical changes induced by peripheral nerve section in neonatal rats. Chimelli L, et al. **Neurosci Lett** 1985 Jun 4;57(1):57–63

Retrograde effects of axotomy on the intramedullary axon collateral systems and recurrent inhibitory reflexes of cat spinal motoneurones. Havton L, et al. **Neurosci Lett** 1984 Nov 23;52(1–2):13–7

Reinnervation of the rat touch dome restores the Merkel cell population reduced after denervation. Nurse CA, et al. **Neuroscience** 1984 Oct;13(2):563–71

Clinical use of nerve stimulation [letter] Kline DG, et al. **Plast Reconstr Surg** 1985 May;75(5):764–6

Lateral antebrachial cutaneous nerve injury as a complication of phlebotomy. Yuan RT, et al. **Plast Reconstr Surg** 1985 Aug;76(2):299–300

Painful disorders of peripheral nerves. Parry CB, et al. **Postgrad Med J** 1984 Dec;60(710):869–75

The boundary of proximal hindlimb representation in the dorsal horn following peripheral nerve lesions in cats: a reevaluation of plasticity in the somatotopic map. Pubols LM. **Somatosens Res** 1984;2(1):19–32

Pain due to nerve injury. Loeser JD. **Spine** 1985 Apr; 10(3):232–5

Selected recent advances in peripheral nerve injury research. Kline DG, et al. **Surg Neurol** 1985 Oct;24(4):371–6 (65 ref.)

[Nerve damage following the operative correction of jaw abnormalities] Tuinzing DB, et al. **Ned Tijdschr Geneeskd** 1984 Aug 25;128(34):1608–10 **(Dut)**

[Chronicles in osteoarticular pathology. Isolated involvement of the suprascapular nerve in sports medicine. Apropos of 2 cases] Crielaard JM, et al. **Rev Med Liege** 1984 Dec 15;39(24):886–8 **(Fre)**

[Results of the microsurgical reconstruction of peripheral nerves using a functional anatomical follow-up procedure] Köckerling F, et al. **Handchir Mikrochir Plast Chir** 1985 Mar;17(2):75–7 (Eng. Abstr.) **(Ger)**

[Iatrogenic lesions of peripheral nerves in surgery] Müller-Vahl H. **Langenbecks Arch Chir** 1984;364:321–3 (Eng. Abstr.) **(Ger)**

[Results of surgical treatment of common peripheral nerve lesions of the upper extremities] Witzmann A, et al. **Wien Med Wochenschr** 1985 Jun 15;135(11):285–8 (Eng. Abstr.) **(Ger)**

[Treatment, with a microsurgical technic, of injuries of the peripheral nerves. Observations on a series of 220 surgically treated cases] Gazzeri G, et al. **Minerva Chir** 1984 Sep 15; 39(17):1137–41 (Eng. Abstr.) **(Ita)**

[Thermographic diagnosis of injuries of the tendons and nerves of the hand] Anisimov AI, et al. **Ortop Travmatol Protez** 1985 Jan;(1):57–9 **(Rus)**

[Use of microcomputers for the topical diagnosis of injuries and diseases of the peripheral nervous system] Zaitsev RZ, et al. **Voen Med Zh** 1985 Mar;(3):55–6 **(Rus)**

[Vibration sensitivity in traumatic lesions of peripheral nerves] Korotkevich EA, et al. **Zh Nevropatol Psikhiatr** 1985;85(5):677–81 (Eng. Abstr.) **(Rus)**

METABOLISM

Intra-axonal polysaccharide deposits in the peripheral nerve seen in adult polysaccharide storage myopathy. Komure O, et al. **Acta Neuropathol (Berl)** 1985;65(3–4):300–4

Localization of lead in rat peripheral nerve by electron microscopy. Windebank AJ, et al. **Ann Neurol** 1985 Aug; 18(2):197–201

Prostanoid synthesis in peripheral nerve. Goswami SK, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):263–6

In vitro translation of mRNA from the developing sciatic nerve. Leblanc AC, et al. **Brain Res** 1985 Jun;352(2):302–5

Proteins in fast axonal transport are differentially transported in branches of sensory nerves. Rulli RD, et al. **Brain Res** 1985 May 27;335(1):165–8

Metabolic alterations of endoneurial lipids in developing trembler nerve. Yao JK, et al. **Brain Res** 1985 Jan 28; 325(1–2):21–7

Antibodies to neurofilament protein and other brain proteins reveal the innervation of peripheral organs. Hacker GW, et al. **Histochemistry** 1985;82(6):581–93

A neuronal surface glycoprotein associated with the cytoskeleton. Ranscht B, et al. **J Cell Biol** 1984 Nov; 99(5):1803–13

Histochemical localization of galactose-containing glycoconjugate at peripheral nodes of Ranvier in the rat. Streit WJ, et al. **J Histochem Cytochem** 1985 Jan;33(1):33–9

In vitro incorporation of (U-C14)-glucose and (1-C14)-sodium acetate in peripheral nerves of malnourished young rhesus monkeys. Rana SV, et al. **J Med Primatol** 1984;13(5):261–8

Facilitated transport of glucose from blood into peripheral nerve. Rechthand E, et al. **J Neurochem** 1985 Sep; 45(3):957–64

Batrachotoxinin-A N-methylanthranilate, a new fluorescent ligand for voltage-sensitive sodium channels. Brown GB, et al. **J Neurosci Methods** 1985 Apr;13(2):119–29

The effects of aldose reductase inhibition on nerve sorbito and myoinositol concentrations in diabetic anc galactosemic rats. Yue DK, et al. **Metabolism** 1984 Dec 33(12):1119–22

Calcium localization in nerve fibers in relation to axoplasmi transport. Ochs S, et al. **Neurochem Res** 1984 Jun 9(6):823–36 (75 ref.)

Lipid binding activities of the P2 protein in peripheral nerv myelin. Uyemura K, et al. **Neurochem Res** 1984 Oct 9(10):1509–14

Peripheral opioid receptors located on the rat saphenou nerve. Smith TW, et al. **Neuropeptides** 1984 Dec 5(1–3):217–20

Co-localization of calcitonin gene-related peptide-lik immunoreactivity with substance P in cutaneous, vascul and visceral sensory neurons of guinea pigs. Gibbins II et al. **Neurosci Lett** 1985 Jun 12;57(2):125–30

Peptide- and non-peptide-containing unmyelinated prima afferents: the parallel processing of nocicepti information. Hunt SP, et al. **Philos Trans R Soc Lond [Biol]** 1985 Feb 1 308(1136):283–9

[Biochemical studies of experimental vincristine neuropath Lipid changes of proximal and distal peripheral ner tissue] Saito T, et al. **Rinsho Shinkeigaku** 1984 Ju 24(7):657–64 (Eng. Abstr.) **(Jp**

[Biochemical study of experimental peripheral neuropath The sequence of changes of peripheral nerve protein Wallerian degeneration and regeneration] Shimizu Y. **Rinsho Shinkeigaku** 1984 Sep;24(9):872–9 (Eng. Abstr.) **(J**

[Changes in the metabolism of catecholamines in the cent and peripheral nervous systems of rats 7, 15 and 30 da after termino-lateral portacaval anastomosis] Lóp Sánchez ML, et al. **Rev Esp Enferm Apar Dig** 1984 D 66(6):465–72 (Eng. Abstr.) **(S**

MICROBIOLOGY

Herpes simplex virus latency: adaptation to the periphe nervous system. I. Price RW. **Cancer Invest** 1985; 3(3):285–92

Herpes simplex virus latency: adaptation to the peripheral nervous system. II. Price RW. **Cancer Invest** 1985; 3(4):389–403 (153 ref.)

PATHOLOGY

A quantitative assessment of myelin sheaths in the peripheral nerves of dystrophic, quaking, and trembler mutants. Beuche W, et al. **Acta Neuropathol (Berl)** 1985;66(1):29–36

Ultrastructural and histophysiological studies on the blood-nerve barrier and perineurial barrier in leprosy neuropathy. Boddingius J. **Acta Neuropathol (Berl)** 1984; 64(4):282–96

Neuroaxonal pathology of central and peripheral nervous systems in cerebrotendinous xanthomatosis (CTX). Pop PH, et al. **Acta Neuropathol (Berl)** 1984;64(3):259–64

Peripheral and autonomic nerve lesions in systemic amyloidosis. Three pathological types of amyloid polyneuropathy. Yamada M, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1251–66

Skin biopsy as a beneficial procedure for morphological evaluation of diabetic neuropathy. Yasuda H, et al. **Acta Pathol Jpn** 1985 Jan;35(1):1–8

The frequency of perineurial ductules in vasitis nodosa. Balogh K, et al. **Am J Clin Pathol** 1984 Dec;82(6):710–3

Increase of S-100 immunoreactivity in the urinary bladder from patients with multiple sclerosis, an indication of peripheral neuronal lesion. Gu J, et al. **Am J Clin Pathol** 1984 Dec;82(6):649–54

Direct immunofluorescence findings in peripheral nerve from patients with diabetic neuropathy. Graham AR, et al. **Ann Neurol** 1985 May;17(5):450–4

Axonal attenuation and secondary segmental demyelination in myeloma neuropathies. Ohi T, et al. **Ann Neurol** 1985 Mar;17(3):255–61

Morphometric effects of use and disuse on peripheral nerve. Calder CS, et al. **Arch Neurol** 1985 Sep;42(9):868–72

Evidence that Charcot-Marie-tooth disease with tremor coincides with the Roussy-Levy syndrome. Barbieri F, et al. **Can J Neurol Sci** 1984 Nov;11(4 Suppl):534–40

Sensorimotor perineuritis--an autoimmune disease? Bourque CN, et al. **Can J Neurol Sci** 1985 May;12(2):129–33

Histologic evidence of retinacular nerve injury associated with patellofemoral malalignment. Fulkerson JP, et al. **Clin Orthop** 1985 Jul–Aug;(197):196–205

Morphological studies of peripheral nerves and skeletal muscles of an adult case with adrenoleukomyeloneuropathy. Kumamoto T, et al. **Eur Neurol** 1985;24(4):229–36

Pathological findings on peripheral nerves, lymph nodes, and visceral organs of leprosy. Liu TC, et al. **Int J Lepr** 1984 Sep;52(3):377–83

The effect of insulin treatment on myelinated nerve fibre maturation and integrity and on body growth in streptozotocin-diabetic rats. Sharma AK, et al. **J Neurol Sci** 1985 Mar;67(3):285–97

[Morphological effects of microinjections of Lewis rat serum into nerves of Lewis rats] Vallat JM, et al. **Rev Neurol (Paris)** 1984;140(11):659–62 (Eng. Abstr.) **(Fre)**

[Pathology of polyneuropathies] Schröder JM. **Internist (Berlin)** 1984 Oct;25(10):589–98 **(Ger)**

[Hereditary motor and sensory neuropathy type I in early childhood. Clinical features and the findings of nerve pathology] Tachi N, et al. **No To Hattatsu** 1985 Jul; 17(4):318–24 (Eng. Abstr.) **(Jpn)**

[An autopsy case of carcinomatous sensory neuropathy. The correlation between the morphometric findings of the primary sensory neuron and clinical findings] Ogawa M, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):307–13 (Eng. Abstr.) **(Jpn)**

[Morphological and biochemical studies in experimental bond neuropathy] Saito T, et al. **Rinsho Shinkeigaku** 1984 Jun; 24(6):543–51 (Eng. Abstr.) **(Jpn)**

[Subacute combined degeneration of spinal cord. Significance of peripheral nerve involvement] Shinotoh H, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):320–6 (Eng. Abstr.) **(Jpn)**

[Peripheral nerve involvement in spino-cerebellar degenerations. 3. Atypical cases] Sugimura K, et al. **Rinsho Shinkeigaku** 1985 May;25(5):529–35 (Eng. Abstr.) **(Jpn)**

[Peripheral nerve involvement in spino-cerebellar degenerations. 2. Histopathological characteristics] Sugimura K, et al. **Rinsho Shinkeigaku** 1984 Aug; 24(8):817–22 (Eng. Abstr.) **(Jpn)**

[Biopsy of the peripheral nerve] Teixeira de Aranda F. **Gac Med Mex** 1984 Apr;120(4):157–63 **(Spa)**

PHYSIOLOGY

Sensory potentials evoked by stimulation of the Jing points at the hand. Bossy J, et al. **Acupunct Electrother Res** 1984; 9(4):195–201

Linear regression to determine the relationship between F-wave latency and limb length in control dogs. Steiss JE. **Am J Vet Res** 1984 Dec;45(12):2649–50

A simple device for testing peripheral nerve stimulators [letter] Sarnat AJ. **Anesthesiology** 1984 Nov;61(5):624–5

Effects of vagino-cervical stimulation upon sociosexual behaviors in female rats. Emery DE, et al. **Behav Neural Biol** 1985 Mar;43(2):199–205

The effect of a conditioning lesion on the regeneration rate of peripheral nerve axons containing substance P. Bisby MA, et al. **Brain Res** 1985 Jun 17;336(2):201–6

AChE-positive fiber growth after hippocampal fimbria transection and peripheral nerve homogenate implantation. Wendt JS. **Brain Res Bull** 1985 Jul;15(1):13–8

Comparison of cervical SEPs on median, radial and ulnar nerve stimulation. D'Alpa F. **Ital J Neurol Sci** 1985 Jun; 6(2):177–83

Central and peripheral causes of hyperreflexia in humans breathing 5% trimix at 650 m. Parmentier JL, et al. **J Appl Physiol** 1985 Apr;58(4):1239–45

Non-linear effects of age on nerve conduction in adults. Taylor PK. **J Neurol Sci** 1984 Nov–Dec;66(2–3):223–34

Software that detects and analyzes bioelectrical events by assessing the fit of modeled subintervals. Langdon RB. **J Neurosci Methods** 1985 Feb;12(4):331–41

Peripheral nerve stimulation suppression of C-fiber-evoked flexion reflex in rats. Part 1: Parameters of continuous stimulation. Sjölund BH. **J Neurosurg** 1985 Oct;63(4):612–6

Role of the pudendal nerves on the dynamics of micturition in the dog evaluated by pressure flow EMG and pressure flow plot studies. Nishizawa O, et al. **J Urol** 1984 Nov; 132(5):1036–9

Selective activation of muscles using peripheral nerve electrodes. McNeal DR, et al. **Med Biol Eng Comput** 1985 May;23(3):249–53

Central nervous system and peripheral nerve growth factor provide trophic support critical to mature sensory neuronal survival. Johnson EM Jr, et al. **Nature** 1985 Apr 25–May 1;314(6013):751–2

Noninvasive measurement of central sensory and motor conduction. Eisen A, et al. **Neurology** 1985 Apr;35(4):503–9

Neurogenic extravasation and substance P levels are low in muscle as compared to skin the rat hindlimb. McMahon SB, et al. **Neurosci Lett** 1984 Dec 21;52(3):235–40

How rare are dichotomizing sensory fibres in peripheral nerves of warm blooded animals? [letter] Pierau FK, et al. **Neurosci Lett** 1985 Apr 19;55(3):379–80

Aging effects on conduction velocities of myelinated and unmyelinated fibers of peripheral nerves. Sato A, et al. **Neurosci Lett** 1985 Jan 7;53(1):15–20

The postnatal physiological and neurochemical development of peripheral sensory C fibres. Fitzgerald M, et al. **Neuroscience** 1984 Nov;13(3):933–44

Temperature-induced changes in neuromuscular function: central and peripheral mechanisms. Goodman D, et al. **Percept Mot Skills** 1984 Oct;59(2):647–56

The effect of low frequency peripheral stimulation on the tail-flick reflex and evoked cortical potentials in the rabbit. Kaluzhnyi LV, et al. **Physiol Bohemoslov** 1985;34(1):1–10

Primary afferent receptive field properties and neurotransmitter candidates in a vertebrate lacking unmyelinated fibers. Leonard RB. **Prog Clin Biol Res** 1985; 176:135–45 (13 ref.)

Central and peripheral contributions of endogenous opioid systems to nutrient selection in rats. Marks-Kaufman R, et al. **Psychopharmacology (Berlin)** 1985;85(4):414–8

The effect of peripheral chemodenervation on the ventilatory response to potassium. Band DM, et al. **Respir Physiol** 1985 May;60(2):217–25

Coupling of action potential activity between unmyelinated fibers in the peripheral nerve of monkey. Meyer RA, et al. **Science** 1985 Jan 11;227(4683):184–7

A specific 37,000-dalton protein that accumulates in regenerating but not in nonregenerating mammalian nerves. Müller HW, et al. **Science** 1985 Apr 26;228(4698):499–501

[Aspects of morphological manifestations of the plasticity of the peripheral nervous system. III. Plasticity of peripheral nerves] Jirmanová I, et al. **Cesk Neurol Neurochir** 1985 Mar;48(2):53–7 **(Cze)**

[Aspects of morphological manifestations of the plasticity of the peripheral nervous system. I. Plasticity of the neuromuscular system] Soukup T, et al. **Cesk Neurol Neurochir** 1984 Nov;47(6):345–9 **(Cze)**

[Aspects of morphological manifestations of the plasticity of the peripheral nervous system. II. Plasticity of the afferent somatosensory system] Soukup T. **Cesk Neurol Neurochir** 1985 Jan;48(1):1–6 (60 ref.) **(Cze)**

[Volume conduction in the electroneurographic study of arm and leg nerves] Reichel G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Jul;36(7):420–6 (Eng. Abstr.) **(Ger)**

[Pilot study in the rat of the applicability of the refractory period of peripheral nerves as a biosensor for insulin-induced hypoglycemia] Krötlinger M, et al. **Wien Med Wochenschr** 1984 Nov 15;134(21):463–4, 466 (Eng. Abstr.) **(Ger)**

[The effects of enflurane on somatosensory evoked responses simultaneously recorded from brain, spinal cord and peripheral nerve in man] Fujioka H, et al. **Masui** 1984 Jul; 33(7):698–702 (Eng. Abstr.) **(Jpn)**

[Peripheral nerve conduction velocity--with special reference to the effects of temperature and age factors] Kihara Y, et al. **Rinsho Byori** 1985 Feb;Spec No 61:139–46 **(Jpn)**

[Neuronal mechanisms of the tonic activity of the peripheral section of the autonomic nervous system] Skok VI. **Fiziol Zh** 1984 Sep–Oct;30(5):539–45 (Eng. Abstr.) **(Rus)**

[Contractile characteristics of developing fast and slow muscles during colchicine blockade of axoplasmic transport in their nerves] Mavrina RA, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1564–7 (Eng. Abstr.) **(Rus)**

[Mechanisms of changes in cardiac output during stimulation of afferent fibers of a somatic nerve] Osadchiĭ LI, et al. **Fiziol Zh SSSR** 1985 Jun;71(6):757–63 (Eng. Abstr.) **(Rus)**

[Function of the central and peripheral nervous systems in exposure to transportation noise of varying intensity] Kabalova LA, et al. **Gig Sanit** 1985 Jun;(6):22–4 (Eng. Abstr.) **(Rus)**

[Dissociation of vestibular autonomic and sensory reactions] Krylov IuV, et al. **Kosm Biol Aviakosm Med** 1985 May–Jun;19(3):44–8 (Eng. Abstr.) **(Rus)**

[Depolarization of primary afferents evoked by cyclically modulated natural activity of proprioceptors of the hindlimb of the cat] Marlinskiĭ VV, et al. **Neirofiziologiia** 1985;17(3):372–80 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Peripheral nerve involvement in Bell's palsy. Bueri JA, et al. **Arq Neuropsiquiatr** 1984 Dec;42(4):341–5

Neurophysiological studies on workers exposed to lead. Jeyaratnam J, et al. **Br J Ind Med** 1985 Mar;42(3):173–7

Increased muscle action potentials by 5 Hz prolonged nerve stimulation in neurological and neuromuscular disorders--clinical usefulness for detecting underlying pathophysiology. Hakamada S, et al. **Brain Dev** 1984; 6(3):304–10

The neuromuscular system in patients with anorexia nervosa: electrophysiological and histologic studies. Slettebø M, et al. **Clin Neuropathol** 1984 Sep–Oct;3(5):217–24

Central and peripheral nervous system in uremia: an overview. Teschan PE. **Contrib Nephrol** 1985;45:1–8

Peripheral and autonomic nerve function in glucose intolerance. Cederholm J, et al. **Diabete Metab** 1985 Apr; 11(2):87–91

Electrophysiological studies in myotonic dystrophy. 1: Potential motor unit parameters and conduction velocity of the motor and sensory peripheral nerve fibres. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1984 Nov–Dec;24(7):523–35

The influence of CSII treatment on the function of the peripheral and visceral nerves in type I diabetics. Reichel G, et al. **Exp Clin Endocrinol** 1985 Feb;85(1):113–9

Lipid composition of the peripheral nerves in malnutrition: an experimental study in young rhesus monkeys. Rana SV, et al. **J Med Primatol** 1984;13(4):205–17

Sympathetic skin response [letter] Martyn CN, et al. **J Neurol Neurosurg Psychiatry** 1985 May;48(5):490

Changes in electrical threshold in human peripheral neuropathy. Brismar T. **J Neurol Sci** 1985 May; 68(2–3):215–23

Reflex neurogenic inflammation. I. Contribution of the peripheral nervous system to spatially remote inflammatory responses that follow injury. Levine JD, et al. **J Neurosci** 1985 May;5(5):1380–6

The effect of nerve lesions on the inflammatory response to injury. Helme RD, et al. **J Neurosci Res** 1985;13(3):453–9

Spontaneous activity of ventral root axons following peripheral nerve injury. Burchiel KJ, et al. **J Neurosurg** 1985 Mar;62(3):408–13

Thermographic imaging of cutaneous sensory segment in patients with peripheral nerve injury. Skin-temperature stability between sides of the body. Uematsu S. **J Neurosurg** 1985 May;62(5):716–20

Planning experiments relevant to public policy: peripheral nerve electrical activity. Jewett DL. **Neurobehav Toxicol Teratol** 1984 Nov–Dec;6(6):419–24

L-carnitine and haemodialysis: double blind study on muscle function and metabolism and peripheral nerve function. Fagher B, et al. **Scand J Clin Lab Invest** 1985 Apr; 45(2):169–78

[Hereditary fragility of the peripheral nerves. Clinical and neurophysiologic study of 23 cases. Review of the literature] Roth G, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984; 135(2):243–64 (Eng. Abstr.) **(Fre)**

[Monopolar needle stimulation--improvement of motor neuron stimulation] Röder H, et al. **Zentralbl Neurochir** 1984;45(4):309–13 (Eng. Abstr.) **(Ger)**

[Peripheral nerve excitability and its response to ischemia in primary hypoparathyroidism] Hashii M, et al. **Rinsho Shinkeigaku** 1984 Nov;24(11):1136–42 (Eng. Abstr.) **(Jpn)**

[Conduction in the motor neurons of the peripheral nerves in hemiplegia of cerebral origin] Samusik J. **Neurol Neurochir Pol** 1984 Jul–Aug;18(4):333–8 (Eng. Abstr.) **(Pol)**

[The adaptation syndrome and causes of exacerbation in rheumatoid arthritis] Laskov VB, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1661–4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Tolerance of peripheral nerve to intraoperative radiotherapy (IORT): clinical and experimental studies. Kinsella TJ, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1579–85

SECRETION

Release of substance P from peripheral nerve terminals following electrical stimulation of the sciatic nerve. White DM, et al. **Brain Res** 1985 Jun 10;336(1):27-31

SURGERY

Results of microsurgical suture in 200 nerves. Ionescu D, et al. **Acta Chir Plast (Prague)** 1984;26(3):166-83

Effects of cryotherapy on the palmar and plantar digital nerves in the horse. Schneider RK, et al. **Am J Vet Res** 1985 Jan;46(1):7-12

The current state of peripheral nerve surgery in the upper limb. Millesi H. **Ann Chir Main** 1984;3(1):18-34 **(Eng, Fre)**

Use of polytetrafluorinated ethylene compound in peripheral nerve grafting. An experimental study. Rice DH, et al. **Arch Otolaryngol** 1985 Apr;111(4):259-61

Clinicopathological studies on neurectomy in equids. Said AH, et al. **Equine Vet J** 1984 Sep;16(5):442-6

Transplantation of fetal rat cortex into regenerating nerve to the biceps femoris of adult rat. Hoovler DW, et al. **Exp Neurol** 1985 Aug;89(2):337-47

Comparative study of microepineurial anastomoses with the use of CO2 laser and suture techniques in rat sciatic nerves: Part 1. Surgical technique, nerve action potentials, and morphological studies. Fischer DW, et al. **Neurosurgery** 1985 Aug;17(2):300-8

Alteration of neuroma formation by manipulation of its microenvironment. Mackinnon SE, et al. **Plast Reconstr Surg** 1985 Sep;76(3):345-53

[Experimental study on the comparison of epineural and fascicular sutures in repair of peripheral nerve lesions] Shi SM. **Chung Hua Wai Ko Tsa Chih** 1984 Jan;22(1):40-3, 63 (Eng. Abstr.) **(Chi)**

[Treatment of causalgia by decompression of peripheral nerves and experimental study of its mechanism] Zhu SX. **Chung Hua Wai Ko Tsa Chih** 1984 May;22(5):281-3 (Eng. Abstr.) **(Chi)**

[Use of a vein segment in peripheral nerve repair] Calteux N, et al. **Ann Chir Main** 1984;3(2):149-55 (Eng. Abstr.) **(Fre)**

[Nerve regeneration through a venous graft in the rat. Preliminary results] Godard J, et al. **Neurochirurgie** 1984;30(6):407-16 (Eng. Abstr.) **(Fre)**

[Resection of the vidian nerve in vasomotor rhinitis: morphofunctional effects on the nasal mucosa] Rucci L, et al. **Acta Otorhinolaryngol Ital** 1984 May-Jun;4(3):277-95 (Eng. Abstr.) **(Ita)**

[Microsurgery on the peripheral nerves] Ionescu D, et al. **Rev Chir [Chir]** 1984 Sep-Oct;33(5):367-72 (Eng. Abstr.) **(Rum)**

[Method of dissecting peripheral nerve sheaths with an ultrasonic microscalpel that does not disturb neural conduction] Ermishkin VV, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):631-3 (Eng. Abstr.) **(Rus)**

[Restoration of discrimination sensitivity after suturing nerves of the upper extremity] Goven'ko FS. **Zh Nevropatol Psikhiatr** 1985;85(5):681-4 (Eng. Abstr.) **(Rus)**

[Problems in the reconstruction of peripheral nerves under specific circumstances] Miljković I, et al. **Chir Maxillofac Plast** 1984;14(1):19-29 (Eng. Abstr.) **(Scr)**

TRANSPLANTATION

Sensitive fasciocutaneous flap with nervus saphenous. Preliminary report. Riebelová V, et al. **Acta Chir Plast** 1985;27(2):113-20

Functional activity of rat brainstem neurons regenerating axons along peripheral nerve grafts. Munz M, et al. **Brain Res** 1985 Aug 5;340(1):115-25

Lengthy regrowth of cut axons from ganglion cells after peripheral nerve transplantation into the retina of adult rats. So KF, et al. **Brain Res** 1985 Mar 4;328(2):349-54

Primary repair vs secondary repair in peripheral nerve graft--comparative, histological and statistical studies of nerve regeneration in common peroneal nerve of rat. Sugita T. **Hiroshima J Med Sci** 1984 Sep;33(3):475-85

Digital nerve-grafting for traumatic defects. Use of the lateral antebrachial cutaneous nerve. Tenny JR, et al. **J Bone Joint Surg [Am]** 1984 Dec;66(9):1375-9

Peripheral nerve grafts to the frog optic tectum: a morphological study of foreign axon regeneration in the central nervous system. Kaplan EI, et al. **J Comp Neurol** 1985 May 15;235(3):395-415

Axonal regeneration after crush injury of rat central nervous system fibres innervating peripheral nerve grafts. David S, et al. **J Neurocytol** 1985 Feb;14(1):1-12

Millipore diffusion chambers allow dissociation of myelin phagocytosis by non-resident cells and of allogenic nerve graft rejection. Beuche W, et al. **J Neurol Sci** 1985 Jul;69(3):231-46

Peripheral nerve autografts to the spinal cord in rats. Fernandez E, et al. **J Neurosurg Sci** 1984 Jul-Dec;28(3-4):149-52

Free vascularized nerve grafts: an experimental study in the rabbit. Restrepo Y, et al. **Microsurgery** 1985;6(2):78-84

Peripheral nerve allograft: an assessment of regeneration across pretreated nerve allografts. Mackinnon SE, et al. **Neurosurgery** 1984 Nov;15(5):690-3

Animal model for peripheral nerve grafting. Ellis JC, et al. **Otolaryngol Head Neck Surg** 1984 Oct;92(5):546-50

Peripheral nerve implants in the spinal cord in experimental animals. Wilson DH. **Paraplegia** 1984 Aug;22(4):230-7

[Auto- and alloneuroplasty of the peripheral nerves] Driuk NF, et al. **Klin Khir** 1984 Dec;(12):14-6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Spinal ganglia and peripheral nerves from a patent with Tay-Sachs disease. Morphological and ganglioside studies. Abe T, et al. **Acta Neuropathol (Berl)** 1985;66(3):239-44

Application of optical diffractometry for analysis of the morphological structure of cells and tissue. Dziedzic-Goclawska A, et al. **Arch Ital Anat Embriol** 1984 Apr-Jun;89(2):85-113

Fabry's disease: an ultrastructural study of muscle and peripheral nerve. Vital A, et al. **Clin Neuropathol** 1984 Jul-Aug;3(4):168-72

Incisures of Schmidt-Lantermann in the myelin sheath of guinea pig peripheral nerves. Belej K, et al. **Folia Morphol (Praha)** 1984;32(4):406-10

Electron microscopic findings of the peripheral nerve lesions of nude mice inoculated with M. leprae. Fukunishi Y. **Int J Lepr Other Mycobact Dis** 1985 Mar;53(1):75-8

Hypomyelination in the peripheral nervous system of shiverer mice and in shiverer in equilibrium normal chimaera. Peterson AC, et al. **J Comp Neurol** 1984 Aug 10;227(3):348-56

Distribution of particle aggregates in the internodal axolemma and adaxonal Schwann cell membrane of rodent peripheral nerve. Stolinski C, et al. **J Neurol Sci** 1985 Feb;67(2):213-22

Peripheral nerves in shiverer----dystrophic mouse chimeras: evidence that a non-Schwann cell component is required for axon ensheathment in vivo. Peterson AC. **J Neurosci** 1985 Jul;5(7):1740-54

The effects of multiple sequential episodes of demyelination in the sciatic nerve of the mouse. Hall SM. **Neuropathol Appl Neurobiol** 1984 Nov-Dec;10(6):461-78

An electron microscopic study of alterations in mouse peripheral nerve and skeletal muscle after chlordecone exposure. Phillips DE, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):141-50

[Ultrastructural characteristics of nodes of Ranvier] Sotnikov OS, et al. **Neirofiziologiia** 1984;16(4):546-9 (Eng. Abstr.) **(Rus)**

PERIPHLEBITIS see **PHLEBITIS**

PERIPLANETA see under **COCKROACHES**

PERISSODACTYLA

Persistence of encysted Toxoplasma gondii in tissues of equids fed oocysts. Dubey JP. **Am J Vet Res** 1985 Aug;46(8):1753-4

Lungworms (Dictyocaulus arnfieldi): prevalence in live equids in Kentucky. Lyons ET, et al. **Am J Vet Res** 1985 Apr;46(4):921-3

Demonstration of rabies viral antigen in paraffin tissue sections: comparison of the immunofluorescence technique with the unlabeled antibody enzyme method. Palmer DG, et al. **Am J Vet Res** 1985 Jan;46(1):283-6

Congenital phalangeal hypoplasia in Equidae. Bertone AL, et al. **J Am Vet Med Assoc** 1984 Sep 1;185(5):554-6

Rectal prolapse and cystic calculus in a burro. Snyder JR, et al. **J Am Vet Med Assoc** 1985 Aug 15;187(4):421-2

Mortality of a white rhinoceros (Ceratotherium simum) suspected to be associated with the blue-green alga Microcystis aeruginosa. Soll MD, et al. **J S Afr Vet Assoc** 1985 Mar;56(1):49-51

Sexual and asexual reproduction of Aspergillus nidulans in vivo. Kuttin ES, et al. **Mykosen** 1985 Mar;28(3):109-16

Papillary cystadenocarcinoma in a zebra (Equus granti). Taniyama H, et al. **Vet Pathol** 1985 May;22(3):290-2

Spinal nematodosis in a donkey with posterior paresis. Vos JH, et al. **Vet Q** 1985 Apr;7(2):101-6

Association of Aspergillus fumigatus with rhinitis. Pal M, et al. **Vet Rec** 1984 Aug 25;115(8):167

[Selection of animals for experimental heart surgery] Chilaia SM, et al. **Grudn Khir** 1985 May-Jun;(3):50-4 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Arteria linguofacialis of the donkey (Equus asinus). Ahmed MA, et al. **Anat Histol Embryol** 1985 Mar;14(1):47-53

Veins of the head and neck of the donkey (Equus asinus). Ahmed MA, et al. **Anat Histol Embryol** 1985 Jun;14(2):149-57

Arteria maxillaris of the donkey (Equus asinus). Ahmed MA, et al. **Anat Histol Embryol** 1984 Dec;13(4):333-40

Anatomical studies on the cerebellum of the donkey of Egypt. Hifny A, et al. **Gegenbaurs Morphol Jahrb** 1984;130(5):707-17

[Functional anatomy of the visceral arteries in the abdominal cavity of the horse. Considerations with reference to intestinal colic] König HE, et al. **Tierarztl Prax** 1985;13(2):191-8 (Eng. Abstr.) **(Ger)**

BLOOD

Breed and species comparison of amino acid transport variation in equine erythrocytes. Fincham DA, et al. **Res Vet Sci** 1985 May;38(3):346-51

[Perissodactyla: the primary structure of hemoglobins from the lowland tapir (Tapirus terrestris): glutamic acid in position 2 of the beta chains] Mazur G, et al. **Hoppe Seylers Z Physiol Chem** 1984 Sep;365(9):1097-106 (Eng. Abstr.) **(Ger)**

GENETICS

Inheritance of Equus asinus serum albumin variants in hybrid offspring. Bowling AT, et al. **J Hered** 1985 Jan-Feb;76(1):73-4

Chromosome mosaicism in a zebra (Equus burchelli) abortus provides evidence for a different in-vivo/in-vitro survival of balanced and unbalanced karyotypes. Whitehouse DB, et al. **J Reprod Fertil** 1985 Mar;73(2):401-3

PARASITOLOGY

Onchocerca raillieti: prevalence and pathology in Sudanese donkeys. Hussein HS, et al. **J Comp Pathol** 1985 Jul;95(3):345-51

Study of an outbreak of cutaneous leishmaniasis in Venezuela. The role of domestic animals. Aguilar CM, et al. **Mem Inst Oswaldo Cruz** 1984 Apr-Jun;79(2):181-95

Arthropod parasites of Hartmann's mountain zebra, Equus zebra hartmannae, in South West Africa/Namibia. Horak IG, et al. **Onderstepoort J Vet Res** 1984 Sep;51(3):183-7

Parasites of domestic and wild animals in South Africa. XVII. Arthropod parasites of Burchell's zebra, Equus burchelli, in the eastern Transvaal Lowveld. Horak IG, et al. **Onderstepoort J Vet Res** 1984 Jun;51(2):145-54

Studies on the parasites of zebras. IV. Cylicodontophorus reineckei n.sp. (Nematoda: Strongylidae) from the Burchell's zebra, Equus burchelli antiquorum H. Smith, 1841 and the mountain zebra, Equus zebra hartmannae Matschie, 1898. Scialdo-Krecek RC, et al. **Onderstepoort J Vet Res** 1984 Dec;51(4):257-62

[Wohlfahrtiasis in wild ungulates in the Askaniia-Nova Zoo] Treus MIu, et al. **Parazitologiia** 1985 Jan-Feb;19(1):70-2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Reproductive characteristics of a free-ranging population of Cape mountain zebra (Equus zebra zebra). Penzhorn BL. **J Reprod Fertil** 1985 Jan;73(1):51-7

SURGERY

Clinicopathological studies on neurectomy in equids. Said AH, et al. **Equine Vet J** 1984 Sep;16(5):442-6

Acepromazine and etorphine for prolonged anesthesia of a zebra. Bristol DG, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1439-40

Castration of horses and donkeys with first intention healing. Cox JE. **Vet Rec** 1984 Oct 13;115(15):372-5

PERISTALSIS see under **GASTROINTESTINAL MOTILITY**

PERITONEAL CAVITY

Peritoneal lavage for the diagnosis of abdominal visceral injury. Sturm JT, et al. **Am J Emerg Med** 1984 May;2(3):246-50

Peritoneal fluid prolactin in infertile women with endometriosis: lack of evidence of secretory activity by endometrial implants. Haney AF, et al. **Fertil Steril** 1984 Dec;42(6):935-8

Immunoreactive relaxin surge in the peritoneal fluid of women during the midluteal phase. Loumaye E, et al. **Fertil Steril** 1984 Dec;42(6):856-60

Peritoneal lavage in closed abdominal injury. van Dongen LM, et al. **Injury** 1985 Jan;16(4):227-9

Use of peritoneal lavage to evaluate abdominal penetration. Merlotti GJ, et al. **J Trauma** 1985 Mar;25(3):228-31

Peritoneal extravasation during percutaneous lithotripsy. Carson CC, et al. **J Urol** 1985 Oct;134(4):725-7

Controlled clinical trial of peritoneal lavage for the treatment of severe acute pancreatitis. Mayer AD, et al. **N Engl J Med** 1985 Feb 14;312(7):399-404

The treatment of acute pancreatitis: a continuing challenge [editorial] Pellegrini CA. **N Engl J Med** 1985 Feb 14;312(7):436-8

The intracavitary administration of cytarabine to patients with nonhematopoietic malignancies: pharmacologic rationale and results of clinical trials. Markman M. **Semin Oncol** 1985 Jun;12(2 Suppl 3):177-83 (39 ref.)

Peritoneal lavage with metronidazole. Saha SK. **Surg Gynecol Obstet** 1985 Apr;160(4):335-8

Peritoneal lavage in patients with normal mentation and hematuria after blunt trauma. Trooskin SZ, et al. **Surg Gynecol Obstet** 1985 Feb;160(2):145-7

[Spontaneous perirenal urinary extravasation with uroperitoneum (letter)] Lebhar E, et al. **Presse Med** 1985 Jan 26;14(3):160 **(Fre)**

[Open intraperitoneal perforation of the colon in Crohn's disease (letter)] Roseau E. **Presse Med** 1985 Jul 6;14(27):1476 **(Fre)**

[Prospective comparative study of ultrasound and peritoneal lavage in blunt abdominal injuries] Stierli P, et al. **Helv Chir Acta** 1985 Apr;52(1):43-5 (Eng. Abstr.) **(Ger)**

[Diagnostic peritoneal lavage] Bertana F. **Chir Ital** 1984 Feb;36(1):125-37 (Eng. Abstr.) **(Ita)**

[A useful semiologic sign as evidence of free air in the abdomen] Bianchi G. **Minerva Chir** 1985 Jun 15; 40(11):777-8 (Eng. Abstr.) **(Ita)**

[A method of diagnostic peritoneal lavage] Fibak J. **Pol Tyg Lek** 1985 Feb 25;40(8):231-4 (26 ref.) (Eng. Abstr.) **(Pol)**

[Diagnostic peritoneal lavage in unconscious patients with cranio-cerebral injuries] Fibak J, et al. **Pol Tyg Lek** 1984 Oct 29;39(44):1441-3 (Eng. Abstr.) **(Pol)**

[Effectiveness of drainage and lavage of the abdominal cavity with regard to morphological peritoneal changes in peritonitis] Vladimirova ES, et al. **Vestn Khir** 1984 Nov; 133(11):40-4 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Lesser sac anatomy [letter] Nichols DM. **AJR** 1985 Sep; 145(3):651-2

CYTOLOGY

In vitro multiplication and apparently indefinite subcultures of normal mouse resident peritoneal macrophages. Lombard Y, et al. **Biol Cell** 1985;53(3):219-30

Effect of in vivo administration of different adjuvants on the in vitro candidacidal activity of mouse peritoneal cells. Hilgers LA, et al. **Cell Immunol** 1985 Jan;90(1):14-23

Antigenic profile and functional characterization of human peritoneal macrophages. Mottolese M, et al. **J Immunol** 1985 Jul;135(1):200-6

On the origin of peritoneal resident macrophages. I. DNA synthesis in mouse peritoneal resident macrophages. De Bakker JM, et al. **J Submicrosc Cytol** 1985 Apr;17(2):133-9

On the origin of peritoneal resident macrophages. II. Recovery of the resident macrophage population in the peritoneal cavity and in the milky spots after peritoneal cell depletion. De Bakker JM, et al. **J Submicrosc Cytol** 1985 Apr;17(2):141-51

On the origin of peritoneal resident macrophages. III. EM-immunocytochemical studies on the origin of mouse peritoneal resident macrophages. De Bakker JM, et al. **J Submicrosc Cytol** 1985 Apr;17(2):153-9

Sublethal hemorrhage impairs the acute peritoneal inflammatory response in the rat. Fink MP, et al. **J Trauma** 1985 Mar;25(3):234-7

IMMUNOLOGY

Effects of Escherichia coli and Bacteroides fragilis on peritoneal host defenses. Dunn DL, et al. **Infect Immun** 1985 May;48(2):287-91

A new method of eliciting delayed hypersensitivity in the mouse abdominal cavity. Tasaka K, et al. **J Immunol Methods** 1985 Mar 18;77(2):331-41

METABOLISM

Clearance of histamine from the peritoneal cavity of rats. Kownatzki E. **Agents Actions** 1984 Oct;15(3-4):249-53

Exchange of macromolecules between peritoneal cavity and plasma. Flessner MF, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H15-25

Peritoneal absorption of macromolecules studied by quantitative autoradiography. Flessner MF, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H26-32

Absorption of glucose solutions from the peritoneal cavity in rabbits. Albert A, et al. **Arch Surg** 1984 Nov; 119(11):1247-51

Systemic appearance of nutrients placed into the peritoneal cavity. Gilsdorf RB, et al. **JPEN** 1985 Mar-Apr;9(2):148-52

PATHOLOGY

Peritoneal lavage as an aid to diagnosis of peritonitis in debilitated and elderly patients. Lobbato V, et al. **Am Surg** 1985 Sep;51(9):508-10

Prognostic value of cytologic peritoneal washings. Willett GD. **Clin Lab Med** 1985 Jun;5(2):265-74 (37 ref.)

SURGERY

[Syringoperitoneal shunting] Lesoin F, et al. **Presse Med** 1985 Feb 23;14(8):485-6 (Eng. Abstr.) **(Fre)**

[Drainage of the abdominal cavity] Iukhtina EM, et al. **Khirurgiia (Mosk)** 1984 Aug;(8):59-62 (Eng. Abstr.) **(Rus)**

PERITONEAL DIALYSIS

see related
KIDNEY, ARTIFICIAL

Statistical analysis of monitoring examinations in chronic peritoneal dialysis program. Balás EA, et al. **Acta Med Hung** 1984;41(4):279-85

Plasmapheresis and peritoneal dialysis in the management of rapidly progressive glomerulonephritis. Sámik J, et al. **Acta Med Hung** 1984;41(4):287-95

Volume changes in polycystic kidneys during chronic dialysis and after renal transplantation. Thaysen JH, et al. **Acta Med Scand** 1985;217(2):197-204

The effect of systemic heparinization on plasma lipoproteins and toxicity in patients on hemodialysis and continuous ambulatory peritoneal dialysis. Wessel-Aas T, et al. **Acta Med Scand** 1984;216(1):85-92

Intraperitoneal contrast agents for computed tomography. Stork J. **AJR** 1985 Aug;145(2):300

Changes in left ventricular hypertrophy and function in hypertensive patients started on continuous ambulatory peritoneal dialysis. Leenen FH, et al. **Am Heart J** 1985 Jul;110(1 Pt 1):102-6

Subdiaphragmatic fluid mimicking loculated pericardial effusion on echocardiography. Bream R, et al. **Am J Cardiol** 1984 Dec 1;54(10):1388-9

Erythrocyte, plasma, urine and dialysate zinc levels in patients on continuous ambulatory peritoneal dialysis. Beerbower KS, et al. **Am J Clin Nutr** 1985 Apr; 41(4):697-702

Simplified method of preparing lactate-free peritoneal-dialysis solution [letter] Neilan GE, et al. **Am J Hosp Pharm** 1984 Oct;41(10):1994, 1996

Choosing a dialysis therapy: narrative summary of a panel discussion. **Am J Kidney Dis** 1984 Nov;4(3):256-9

Adequacy of dialysis. Blagg CR. **Am J Kidney Dis** 1984 Nov; 4(3):218-23

Serum and dialysate concentrations of cephalexin following repeated dosing in CAPD patients. Davis GM, et al. **Am J Kidney Dis** 1985 Sep;6(3):177-80

Pulmonary gas exchange during hemodialysis and peritoneal dialysis: interaction between respiration and metabolism. Eiser AR. **Am J Kidney Dis** 1985 Sep;6(3):131-42 (85 ref.)

Amphotericin selectively increases peritoneal ultrafiltration. Maher JF, et al. **Am J Kidney Dis** 1984 Nov;4(3):285-8

A double blind trial of dipyridamole in CAPD. Rubin J, et al. **Am J Kidney Dis** 1985 May;5(5):262-6

Dialysate flow rate and peritoneal clearance. Rubin J, et al. **Am J Kidney Dis** 1984 Nov;4(3):260-7

Comparison of quality of life of patients on continuous ambulatory peritoneal dialysis, hemodialysis, and after transplantation. Simmons RG, et al. **Am J Kidney Dis** 1984 Nov;4(3):253-5

Potassium supplementation via the dialysate in continuous ambulatory peritoneal dialysis. Spital A, et al. **Am J Kidney Dis** 1985 Sep;6(3):173-6

A comprehensive report on the experience of patients on continuous ambulatory peritoneal dialysis for the treatment of end-stage renal disease. Steinberg SM, et al. **Am J Kidney Dis** 1984 Nov;4(3):233-41

Evaluation of a peritoneal dialysis solution containing polymer. Rubin J, et al. **Am J Med Sci** 1985 Jan;289(1):12-6

Nonimmune hydrops fetalis managed with peritoneal dialysis. Caldwell CC, et al. **Am J Perinatol** 1985 Jul;2(3):211-3

A distributed model of peritoneal-plasma transport: tissue concentration gradients. Flessner MF, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):F425-35

A distributed model of peritoneal-plasma transport: analysis of experimental data in the rat. Flessner MF, et al. **Am J Physiol** 1985 Mar;248(3 Pt 2):F413-24

Reduction of intestinal adhesions by postoperative peritoneal irrigation with dialysis solution. Kawarasaki H, et al. **Am Surg** 1984 Oct;50(10):552-6

Alteration of pituitary-thyroid function in patients with chronic renal failure treated by haemodialysis or continuous ambulatory peritoneal dialysis. Ross RJ, et al. **Ann Clin Biochem** 1985 Mar;22 (Pt 2):156-60

Vancomycin disposition during continuous ambulatory peritoneal dialysis: a pharmacokinetic analysis of peritoneal drug transport. Rogge MC, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):578-82

In vitro antibacterial activities of antibiotics against Pseudomonas aeruginosa in peritoneal dialysis fluid. Shalit I, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):908-11

'Long-term' survival in light-chain myeloma with dialysis therapy alone. Boyce NW, et al. **Aust NZ J Med** 1984 Oct;14(5):676-7

Intermittent peritoneal dialysis--21/2 years experience in IPGMR. Rashid HU, et al. **Bangladesh Med Res Counc Bull** 1984 Dec;10(2):59-64

Mexiletine clearance during peritoneal dialysis [letter] Guay DR, et al. **Br J Clin Pharmacol** 1985 Jun;19(6):857-8

Pharmacokinetics of ornidazole in patients with renal insufficiency; influence of haemodialysis and peritoneal dialysis. Merdjan H, et al. **Br J Clin Pharmacol** 1985 Feb; 19(2):211-7

Atenolol pharmacokinetics in patients on continuous ambulatory peritoneal dialysis. Salahudeen AK, et al. **Br J Clin Pharmacol** 1984 Sep;18(3):457-60

Continuous ambulatory peritoneal dialysis [letter] Taylor RM, et al. **Br J Surg** 1985 Mar;72(3):250

Is peritoneal dialysis a good long term treatment? Coles GA. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1164-6 (35 ref.)

Decreased intraperitoneal insulin requirements during peritonitis on continuous ambulatory peritoneal dialysis. Henderson IS, et al. **Br Med J [Clin Res]** 1985 May 18; 290(6480):1474

Microwave ovens for heating fluid bags for continuous ambulatory peritoneal dialysis [letter] Hudson S, et al. **Br Med J [Clin Res]** 1985 Jun 29;290(6486):1989

Acute renal failure in a burn patient: the advantages of continuous peritoneal dialysis. Pomeranz A, et al. **Burns Incl Therm Inj** 1985 Jun;11(5):367-70

Identification of human resident macrophages in continuous ambulatory peritoneal dialysis patients. Beelen RH, et al. **Cell Biol Int Rep** 1985 Jun;9(6):527

Serial studies of pulmonary function in continuous ambulatory peritoneal dialysis. A prospective study. Singh S, et al. **Chest** 1984 Dec;86(6):874-7

Peritoneal dialysis and pulmonary function [editorial] Winchester JF. **Chest** 1984 Dec;86(6):806-7

Determination of middle molecules in uremic patients. Wu ZG, et al. **Chin Med J [Engl]** 1985 Feb;98(2):115-20

Peritoneal dialysis solutions and feline splanchnic blood flow. Granger DN, et al. **Clin Exp Pharmacol Physiol** 1984 Sep-Oct;11(5):473-81

Red cell metabolism in renal failure--the effect of dialysis. Chu P, et al. **Clin Lab Haematol** 1985;7(1):1-5

Progress of renal osteodystrophy during continuous ambulatory peritoneal dialysis. Buccianti G, et al. **Clin Nephrol** 1984 Dec;22(6):279-83

Inhibitors of lymphocyte activity in peritoneal fluid of continuous ambulatory peritoneal dialysis (CAPD) [letter] Giangrande A, et al. **Clin Nephrol** 1984 Jul;22(1):52-3

Trimethoprim-sulfamethoxazole pharmacokinetics during continuous ambulatory peritoneal dialysis. Halstenson CE, et al. **Clin Nephrol** 1984 Nov;22(5):239-43

Cytomegalovirus infection in dialysis patients. Hardiman AE, et al. **Clin Nephrol** 1985 Jan;23(1):12-7

Abdominal pseudocyst; the cause of repeated peritonitis during continuous ambulatory peritoneal dialysis (CAPD) [letter] Joffe P, et al. **Clin Nephrol** 1985 Jun;23(6):319-20

Pharmacokinetics of intravenous ceftizoxime in patients on continuous ambulatory peritoneal dialysis. Johnson CA, et al. **Clin Nephrol** 1985 Mar;23(3):120-4

Body composition and nutritional status in patients on continuous ambulatory peritoneal dialysis (CAPD). Panzetta G, et al. **Clin Nephrol** 1985 Jan;23(1):18-25

The hematological response to continuous ambulatory peritoneal dialysis. Saltissi D, et al. **Clin Nephrol** 1984 Jul; 22(1):21-7

Acyclovir pharmacokinetics in a patient on continuous ambulatory peritoneal dialysis. Seth SK, et al. **Clin Pharm** 1985 May-Jun;4(3):320-2

Pharmacokinetics of intravenous and intraperitoneal cefotaxime in chronic ambulatory peritoneal dialysis. Albin HC, et al. **Clin Pharmacol Ther** 1985 Sep;38(3):285-9

Ketoconazole kinetics in chronic peritoneal dialysis. Johnson RJ, et al. **Clin Pharmacol Ther** 1985 Mar;37(3):325-9

Moxalactam epimer disposition in patients undergoing continuous ambulatory peritoneal dialysis. Morse G, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):150-6

Some observations on the role of the abdomen in breathing in patients on peritoneal dialysis. Bush A, et al. **Clin Sci** 1985 Apr;68(4):401-6

The benefits and proper role of CAPD. Mion C, et al. **Contrib Nephrol** 1985;44:148-62

Effect of peritoneal dialysis on serum concentrations of three drugs commonly used in pediatric patients. Chow-Tung E, et al. **Dev Pharmacol Ther** 1985;8(2):85-95

Phenytoin clearance by continuous ambulatory peritoneal dialysis. Hays DP, et al. **Drug Intell Clin Pharm** 1985 Jun; 19(6):429-31

Stimulation of peritoneal synthesis of vasoactive prostaglandins during peritonitis in patients on continuous ambulatory peritoneal dialysis. Steinhauer HB, et al. **Eur J Clin Invest** 1985 Feb;15(1):1-5

Pharmacokinetic studies of cefoxitin in continuous ambulatory peritoneal dialysis. Arvidsson A, et al. **Eur J Clin Pharmacol** 1985;28(3):333-7

Antimicrobial activities of dialysate-elicited and resident human peritoneal macrophages. Peterson PK, et al. **Infect Immun** 1985 Jul;49(1):212-8

Visual function in diabetic patients undergoing dialysis: comparison of peritoneal and hemodialysis. Diaz-Buxo JA, et al. **Int J Artif Organs** 1984 Sep;7(5):257-62

Bicarbonate solutions for peritoneal dialysis: a reality. Feriani M, et al. **Int J Artif Organs** 1985 Jan;8(1):57-8

Bicarbonate-buffered peritoneal dialysis. Ing TS, et al. **Int J Artif Organs** 1985 May;8(3):121-4

Acid-base homeostasis in peritoneal dialysis patients. Nissenson AR. **Int J Artif Organs** 1984 Jul;7(4):175-6

Acute renal failure following cardiopulmonary bypass in children: results of treatment. Baxter P, et al. **Int J Cardiol** 1985 Mar;7(3):235-43

Modification of peritoneal ultrafiltration capacity in children undergoing peritoneal dialysis. Drachman R, et al. **Int J Pediatr Nephrol** 1985 Jan-Mar;6(1):35-40

Percutaneous peritoneal dialysis as an early treatment of acute necrotic hemorrhagic pancreatitis. Reynaert MS, et al. **Intensive Care Med** 1985;11(3):123-8

Pharmacokinetics of cefotaxime in patients undergoing haemodialysis and continuous ambulatory peritoneal dialysis. Hasegawa H, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl B:135-42

Evaluation of continuous ambulatory peritoneal dialysis (CAPD) in patients of chronic renal failure. Banerjee S, et al. **J Assoc Physicians India** 1984 Jun;32(6):495-8

Serum and dialysate osteocalcin levels in hemodialysis and peritoneal dialysis patients and after renal transplantation. Epstein S, et al. **J Clin Endocrinol Metab** 1985 Jun; 60(6):1253-6

Bacterial growth and killing in chronic ambulatory peritoneal dialysis fluids. Verbrugh HA, et al. **J Clin Microbiol** 1984 Aug;20(2):199-203

Serum C-reactive protein concentration in the management of infection in patients treated by continuous ambulatory peritoneal dialysis. Hind CR, et al. **J Clin Pathol** 1985 Apr; 38(4):459-63

Pharmacokinetics of atenolol in patients treated with chronic hemodialysis or peritoneal dialysis. Campese VM, et al. **J Clin Pharmacol** 1985 Jul-Aug;25(5):393-5

Inactive renin in peritoneal fluid--an independent system or a transport form of circulating renin? Bowerman B, et al.

J Hypertens 1984 Jun;2(3):271-6

Treatment of refractory ascites by ultrafiltration-reinfusion of ascitic fluid peritoneally. Assadi FK, et al. **J Pediatr** 1985 Jun;106(6):943-6

Role of aluminum hydroxide in raising serum aluminum levels in children undergoing continuous ambulatory peritoneal dialysis. Salusky IB, et al. **J Pediatr** 1984 Nov;105(5):717-20

CAPD in end-stage renal amyloidosis [letter] Banks RA, et al. **J R Soc Med** 1984 Dec;77(12):1064-5

Amyloid deposition makes peritoneal dialysis ineffective [letter] Lawrence CA. **J R Soc Med** 1984 Oct;77(10):895

Peritoneal permeability in the rat: modulation by microfilament-active agents. Alavi N, et al. **Kidney Int** 1985 Feb;27(2):411-9

Augmentation of peritoneal dialysis clearance with procaine. Breborowicz A, et al. **Kidney Int** 1984 Oct;26(4):392-6

Effect of hemodialysis and peritoneal dialysis on aztreonam pharmacokinetics. Gerig JS, et al. **Kidney Int** 1984 Sep;26(3):308-18

Analysis of peritoneal macrophages in continuous ambulatory peritoneal dialysis patients. Goldstein CS, et al. **Kidney Int** 1984 Nov;26(5):733-40

Controlled comparison of hemodialysis and peritoneal dialysis: Veterans Administration multicenter study. Gutman RA, et al. **Kidney Int** 1984 Oct;26(4):459-70

Plasma levels of bone Gla-protein reflect bone formation in patients on chronic maintenance dialysis. Malluche HH, et al. **Kidney Int** 1984 Dec;26(6):869-74

End-stage renal failure in diabetics [letter] Smith WG, et al. **Lancet** 1985 Jun 8;1(8441):1328

A four-year comparison of continuous ambulatory peritoneal dialysis and home hemodialysis: a preliminary report. Kurtz SB, et al. **Mayo Clin Proc** 1984 Oct;59(10):659-62

Renal osteodystrophy in CAPD patients. Zucchelli P, et al. **Miner Electrolyte Metab** 1984;10(5):326-32

Continuous ambulatory peritoneal dialysis for psoriasis. Twardowski ZJ, et al. **Mo Med** 1985 Jan;82(1):15-7

Methylmalonic acidemia treated by continuous peritoneal dialysis [letter] Moreno-Vega A, et al. **N Engl J Med** 1985 Jun 20;312(25):1641-2

Effect of dialysate glucose load on plasma glucose and glucoregulatory hormones in CAPD patients. Armstrong VW, et al. **Nephron** 1985;39(2):141-5

Oxygen affinity of erythrocytes and pulmonary gas exchange in patients on continuous ambulatory peritoneal dialysis. Blumberg A, et al. **Nephron** 1984;38(4):248-52

Continuous ambulatory peritoneal dialysis and scleroderma. Copley JB, et al. **Nephron** 1985;40(3):353-6

Treatment of ultrafiltration loss in continuous ambulatory peritoneal dialysis [letter] Fleming LW, et al. **Nephron** 1985;39(4):398-9

Effect of chlorpromazine on peritoneal clearances. Indraprasit S, et al. **Nephron** 1985;40(3):341-3

Acetate versus lactate in peritoneal dialysis solutions. Pedersen FB, et al. **Nephron** 1985;39(1):55-8

Short-term effect of 4% hypertonic glucose as compared to 4% mixed hypertonic mannitol solution in conventional peritoneal dialysis. Phanichphant S, et al. **Nephron** 1985;40(3):322-8

Interference of heparin with peritoneal solute transport. Ponce SP, et al. **Nephron** 1985;39(1):47-9

Substitution of a starch polymer for glucose in peritoneal dialysis. Rubin J, et al. **Nephron** 1985;39(1):40-6

Long-term changes in transperitoneal water transport during continuous ambulatory peritoneal dialysis. Wideröe TE, et al. **Nephron** 1984;38(4):238-47

Effects of hemodialysis and peritoneal dialysis on antithrombin III and platelets. Woo KT, et al. **Nephron** 1985;40(1):25-8

A survival case of acute chromic acid poisoning treated by peritoneal dialysis. Kobayashi T, et al. **Nippon Jinzo Gakkai Shi** 1984 Sep;26(9):1259-61

Pharmacokinetic aspects during continuous ambulatory peritoneal dialysis: a literature review. Janknegt R, et al. **Pharm Weekbl [Sci]** 1984 Dec 14;6(6):229-36 (69 ref.)

Visual function, blood pressure and blood glucose in diabetic patients undergoing continuous ambulatory peritoneal dialysis. Rottembourg J, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985;21:330-4

Kidney transplantation in patients on continuous ambulatory peritoneal dialysis. Shapira Z, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985;21:932-5

Renal osteodystrophy and metastatic calcification in long-term continuous ambulatory peritoneal dialysis. Cassidy MJ, et al. **Q J Med** 1985 Jan;54(213):29-48

One-way obstruction during continuous ambulatory peritoneal dialysis (CAPD) with Tenckhoff catheter. Management by a simple operation. Hiltunen KM, et al. **Scand J Urol Nephrol** 1985;19(1):67-8

Peritoneal dialysis--a review with consideration of the role of CAPD in renal replacement therapy in developing countries. Chan MK. **Singapore Med J** 1984 Aug;25(4):212-5

Surgical considerations of continuous ambulatory peritoneal dialysis. Robison RJ, et al. **Surgery** 1984 Oct;96(4):723-30

Permselectivity of the peritoneum to neutral dextrans. Hirszel P, et al. **Trans Am Soc Artif Intern Organs** 1984;30:625-9

Single- or double-cuff peritoneal catheters? A prospective comparison. Kim D, et al. **Trans Am Soc Artif Intern Organs** 1984;30:232-5

Successful continuous ambulatory peritoneal dialysis in tropical Africa. Youmbissi TJ, et al. **Trop Doct** 1985 Jul;15(3):139-40

Cardiorenal failure: treatment of refractory biventricular failure by peritoneal dialysis. Weinrauch LA, et al. **Uremia Invest** 1984;8(1):1-8

Muzolimine in patients on chronic hemodialysis (HD) and continuous ambulatory peritoneal dialysis (CAPD). Bandiani G, et al. **Z Kardiol** 1985;74 Suppl 2:84-7

[Advantages and disadvantages in modern dialysis therapy] Klinkmann H. **Cas Lek Cesk** 1985 Apr 26;124(17):513-9 (Eng. Abstr.) **(Cze)**

[Use of glycerol in continuous ambulatory peritoneal dialysis solutions. Metabolic value] Drouin JY, et al. **Ann Pharm Fr** 1984;42(3):209-17 (Eng. Abstr.) **(Fre)**

[Acute meprobamate poisoning. Efficacy of peritoneal dialysis] Laroche B, et al. **Cah Anesthesiol** 1984 Dec;32(8):677-9 **(Fre)**

[Acetate dialysate: responsible for decrease in ultrafiltration in continuous ambulatory peritoneal dialysis] Faller B, et al. **Nephrologie** 1984;5(2):71-6 (Eng. Abstr.) **(Fre)**

[Continuous ambulatory peritoneal dialysis in 1985: therapy of the future or impasse?] Mion C, et al. **Nephrologie** 1985;6(2):45-7 **(Fre)**

[5 years of continuous ambulatory peritoneal dialysis (CAPD) (multicenter study of 345 patients)] Verger C, et al. **Nephrologie** 1985;6(1):1-6 (Eng. Abstr.) **(Fre)**

[Stability of 8 second or third generation cephalosporins in peritoneal dialysis fluid] Grise G, et al. **Pathol Biol (Paris)** 1985 May;33(5):335-9 (Eng. Abstr.) **(Fre)**

[Clinical pharmacokinetics of furosemide during continuous ambulatory peritoneal dialysis] Boutron H, et al. **Therapie** 1985 May-Jun;40(3):155-9 (Eng. Abstr.) **(Fre)**

[Terminal chronic renal insufficiency. Current possibilities in substitution therapy in the Tunisian Sahel region] el May M, et al. **Tunis Med** 1983 Jan-Feb;61(1):53-6 (Eng. Abstr.) **(Fre)**

[Long-term dialysis in relation to insurance medicine] Graefe U, et al. **Lebensversicherungsmedizin** 1985 May 1;37(3):66-71 (Eng. Abstr.) **(Ger)**

[The dialysis patient in the expert opinion of the public health officer from the viewpoint of the nephrologist or clinical assessment versus expert opinion] Bünger P. **Off Gesundheitswes** 1984 Sep;46(9):434-8 **(Ger)**

[Personal experiences in the treatment of hemolytic-uremic syndromes in childhood] Walch R, et al. **Padiatr Grenzgeb** 1984;23(6):445-54 (Eng. Abstr.) **(Ger)**

[Continuous ambulatory peritoneal dialysis. An alternative to hemodialysis] Groth H, et al. **Schweiz Rundsch Med Prax** 1984 Dec 18;73(51-52):1569-75 (Eng. Abstr.) **(Ger)**

[Peritoneum as dialysis membrane--a morphologic study] Korten G. **Z Urol Nephrol** 1984 Dec;77(12):721-7 (Eng. Abstr.) **(Ger)**

[Continuous ambulatory peritoneal dialysis] Zimlichman RR, et al. **Harefuah** 1983 Oct 16;105(8):205-8 (Eng. Abstr.) **(Heb)**

[Experience with continuous ambulatory peritoneal dialysis] Ferenczi S, et al. **Orv Hetil** 1985 May 19;126(20):1211-2, 1215-6 (Eng. Abstr.) **(Hun)**

[Left ventricular function in patients under peritoneal dialysis treatment] Timio M, et al. **G Ital Cardiol** 1984 Aug;14(8):570-6 (Eng. Abstr.) **(Ita)**

[Clinical assessment of CAPD (continuous ambulatory peritoneal dialysis) for chronic end-stage renal failure] Ohira S, et al. **Hokkaido Igaku Zasshi** 1984 Jul;59(4):478-87 (Eng. Abstr.) **(Jpn)**

[A case of multiple myeloma treated with long-term peritoneal dialysis] Uriu K, et al. **Sangyo Ika Daigaku Zasshi** 1984 Dec 1;6(4):391-6 (Eng. Abstr.) **(Jpn)**

[Effect of intraperitoneal administration of furosemide and sodium nitroprusside on the elimination of water, sodium and potassium during peritoneal dialysis] Grzegorzewska A, et al. **Pol Arch Med Wewn** 1984 May;71(5):281-91 (Eng. Abstr.) **(Pol)**

[The peritoneum as a dialysis membrane] Grzegorzewska A. **Pol Tyg Lek** 1984 Nov 5;39(45):1493-7 (73 ref.) **(Pol)**

[The effect of drugs on peritoneal dialysis clearance] Djukanović Lj, et al. **Srp Arh Celok Lek** 1984 Jan;112(1):115-26 (Eng. Abstr.) **(Scc)**

[10 years' experience with intermittent peritoneal dialysis in children] Sagát T, et al. **Cesk Pediatr** 1985 Jan;40(1):3-7 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Peritonitis in children undergoing continuous ambulatory peritoneal dialysis. Powell D, et al. **Am J Dis Child** 1985 Jan;139(1):29-32

Hydrothorax in continuous ambulatory peritoneal dialysis: successful treatment with intrapleural tetracycline and a review of the literature. Benz RL, et al. **Am J Kidney Dis** 1985 Feb;5(2):136-40

Torulopsis glabrata peritonitis complicating continuous ambulatory peritoneal dialysis: successful management with oral 5-fluorocytosine. Cecchin E, et al. **Am J Kidney Dis** 1984 Nov;4(3):280-4

Tenckhoff catheter obstruction resulting from invasion by Curvularia lunata in the absence of peritonitis. DeVault GA Jr, et al. **Am J Kidney Dis** 1985 Aug;6(2):124-7

Fungal peritonitis in patients on peritoneal dialysis: incidence, clinical features and prognosis. Johnson RJ, et al. **Am J Nephrol** 1985;5(3):169-75

Surgical complications of peritoneal dialysis catheters. Fleisher AG, et al. **Am J Surg** 1985 Jun;149(6):726-9

Abdominal wall and inguinal hernias in continuous ambulatory peritoneal dialysis patients. Wetherington GM, et al. **Am J Surg** 1985 Sep;150(3):357-60

Blood eosinophilia in patients undergoing maintenance peritoneal dialysis. Chandran PK, et al. **Arch Intern Med** 1985 Jan;145(1):114-6

Ambulatory peritoneal dialysis. Exploratory laparotomy for peritonitis. Schulak JA, et al. **Arch Surg** 1984 Dec;119(12):1400-4

What is the actual incidence of peritonitis in maintenance peritoneal dialysis? A prospective study. Gotloib L, et al. **Artif Organs** 1985 May;9(2):160-3

Acquired cystic disease in kidneys of patients with chronic renal failure [letter] Purandare VV, et al. **Artif Organs** 1984 Nov;8(4):501

Communication between a continuous ambulatory peritoneal dialysis cannula and right fallopian tube demonstrated radiographically. Chatterton B. **Br J Radiol** 1984 Oct;57(682):924-6

CAPD--a risk factor in renal transplantation? Guillou PJ, et al. **Br J Surg** 1984 Nov;71(11):878-80

Factors affecting development of peritonitis in continuous ambulatory peritoneal dialysis. Goodship TH, et al. **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1485-6

Continuous ambulatory peritoneal dialysis. Clinical report of 62 cases. Liao LT, et al. **Chin Med J [Engl]** 1985 Apr;98(4):281-6

Intraperitoneal vancomycin and ceftazidime in the treatment of CAPD peritonitis. Gray HH, et al. **Clin Nephrol** 1985 Feb;23(2):81-4

Sclerosing peritonitis with mural bowel fibrosis in a patient on long-term CAPD. Hauglustaine D, et al. **Clin Nephrol** 1984 Sep;22(3):158-62

Diphtheroid peritonitis associated with continuous ambulatory peritoneal dialysis. Leung AC, et al. **Clin Nephrol** 1984 Oct;22(4):200-5

First exchange neutrophilia: an index of peritonitis during chronic intermittent peritoneal dialysis. Riera G, et al. **Clin Nephrol** 1985 Jul;24(1):5-8

Sclerosing obstructive peritonitis after continuous ambulatory peritoneal dialysis in 3 patients [letter] Sabatier JC, et al. **Clin Nephrol** 1985 May;23(5):266

Oral treatment of peritonitis complicating continuous ambulatory peritoneal dialysis. Searle M, et al. **Clin Nephrol** 1985 May;23(5):241-4

Opportunistic peritonitis in continuous ambulatory peritoneal dialysis [letter] Young JB, et al. **Clin Nephrol** 1984 Nov;22(5):268-9

Evaluation of scrotal edema in a patient on peritoneal dialysis. A case report. Dubin LM, et al. **Clin Nucl Med** 1985 Mar;10(3):173-4

CAPD is a second-class treatment. Shaldon S, et al. **Contrib Nephrol** 1985;44:163-72

Increased peritoneal permeability in patients with peritonitis undergoing continuous ambulatory peritoneal dialysis. McIntosh ME, et al. **Eur J Clin Pharmacol** 1985;28(2):187-91

Intestinal obstruction due to peritoneal adhesions as a complication of peritoneal dialysis for neonatal hyperammonemia. Nyhan WL, et al. **Eur J Pediatr** 1985 Jan;143(3):211-3

Peritonitis from automated peritoneal dialysis. Hamory BH, et al. **Infect Control** 1984 Dec;5(12):559-61

Vancomycin and netilmicin as first line treatment of peritonitis in CAPD patients. Brauner L, et al. **J Antimicrob Chemother** 1985 Jun;15(6):751-8

Laboratory studies on coagulase-negative staphylococci from CAPD-associated peritonitis. Wilcox MH, et al. **J Antimicrob Chemother** 1985 Mar;15(3):297-303

Fungal peritonitis caused by Lecythophora mutabilis. Ahmad S, et al. **J Clin Microbiol** 1985 Aug;22(2):182-6

Pseudomonas paucimobilis peritonitis in patients treated by peritoneal dialysis. Glupczynski Y, et al. **J Clin Microbiol** 1984 Dec;20(6):1225-6

Unusual bacterium, group Ve-2, causing peritonitis in a patient on continuous ambulatory peritoneal dialysis. Silver MR, et al. **J Clin Microbiol** 1985 May;21(5):838-9

Microbiological diagnosis of peritonitis in patients on continuous ambulatory peritoneal dialysis. Vas SI, et al. **J Clin Microbiol** 1985 Apr;21(4):522-3

Disinfection of hands and tubing of CAPD patients. Gruer LD, et al. **J Hosp Infect** 1984 Sep;5(3):305-12

CAPD peritonitis [letter] Raman GV, et al. **J Hosp Infect** 1985 Mar;6(1):108-9

Infective complications of peritoneal dialysis. Spencer RC, et al. **J Hosp Infect** 1984 Sep;5(3):233-40 (50 ref.)

Campylobacter fetus peritonitis followed by septicaemia in a patient on continuous ambulatory peritoneal dialysis. Wens R, et al. **J Infect** 1985 May;10(3):249-51

Peritonitis with continuous ambulatory peritoneal dialysis and continuous cycling peritoneal dialysis. Warady BA, et al. **J Pediatr** 1984 Nov;105(5):726-30

Continuous ambulatory and continuous cycling peritoneal dialysis in children. A report of the Southwest Pediatric Nephrology Study Group. **Kidney Int** 1985 Mar;27(3):558-64

Peritoneal dialysis and loss of proteins: a review. Dulaney JT, et al. **Kidney Int** 1984 Sep;26(3):253-62 (125 ref.)

Corynebacterium group JK peritonitis in patients on continuous ambulatory peritoneal dialysis. Altwegg M, et al. **Klin Wochenschr** 1984 Aug 16;62(16):793–4

Acquisition of renal cysts during peritoneal dialysis [letter] Beardsworth SF, et al. **Lancet** 1984 Dec 22;2(8417–18):1482

Once-daily antibiotic treatment of CAPD peritonitis [letter] Gruer LD, et al. **Lancet** 1984 Dec 1;2(8414):1282–3

Extended antibiotic treatment does not prevent early recurrence of CAPD peritonitis [letter] Read DJ, et al. **Lancet** 1985 Jan 5;1(8419):47

Peritoneal permeability and encapsulating peritonitis [letter] Verger C, et al. **Lancet** 1985 Apr 27;1(8435):986–7

Pseudomonas peritonitis in patients of CAPD. Vargemezis V, et al. **Life Support Syst** 1984 Oct–Dec;2(4):294–6

Dialysis osteodystrophy. A study involving 94 patients. Chan YL, et al. **Medicine (Baltimore)** 1985 Sep;64(5):296–309

Chemotherapy and/or removal of the peritoneal catheter in the management of fungal peritonitis complicating CAPD? [letter] Cecchin E, et al. **Nephron** 1985;40(2):251–2

Association between human lymphocyte antigens B8, DR3 and response to peritonitis in patients undergoing continuous ambulatory peritoneal dialysis [letter] Giacchino F, et al. **Nephron** 1985;40(4):496–7

Pharmacokinetics of intraperitoneal cefotaxime treatment of peritonitis in patients on continuous ambulatory peritoneal dialysis. Petersen J, et al. **Nephron** 1985;40(1):79–82

Chronic peritoneal dialysis: mechanical and infectious complications. Swartz RD. **Nephron** 1985;40(1):29–37

Ketoconazole treatment of Candida peritonitis during continuous peritoneal dialysis. Akl K, et al. **Pediatr Infect Dis** 1984 Sep–Oct;3(5):487

Fungal peritonitis in children undergoing peritoneal dialysis. Oh SH, et al. **Pediatr Infect Dis** 1985 Jan–Feb;4(1):62–6

Antibiotic treatment of infectious peritonitis in chronic peritoneal dialysis. Kolmos HJ. **Scand J Infect Dis** 1985; 17(2):219–24

A simple diagnostic method of peritonitis in patients on CAPD. Brahm M. **Scand J Urol Nephrol** 1984;18(3):223–5

Secondary hyperparathyroidism in diabetic and nondiabetic patients on long-term continuous ambulatory peritoneal dialysis (CAPD). Nilsson P, et al. **Scand J Urol Nephrol** 1985;19(1):59–65

The effect of peritonitis on the distribution of cefuroxime in patients undergoing continuous ambulatory peritoneal dialysis. McIntosh ME, et al. **Scott Med J** 1984 Apr; 29(2):117–8

Peritonitis due to Pseudomonas paucimobilis during ambulatory peritoneal dialysis [letter] Baddour LM, et al. **South Med J** 1985 Mar;78(3):366

Hyperlipidemia in uremic children: response to peritoneal dialysis and hemodialysis. Berger M, et al. **Tex Med** 1984 Sep;80(9):50–3

Peritonitis during continuous ambulatory peritoneal dialysis: the role of host defense mechanisms. Keane WF, et al. **Trans Am Soc Artif Intern Organs** 1984;30:684–6

Staph aureus peritonitis in patients on continuous ambulatory peritoneal dialysis. Kim D, et al. **Trans Am Soc Artif Intern Organs** 1984;30:494–7

Pathogenesis of sclerosing peritonitis in CAPD. Shaldon S, et al. **Trans Am Soc Artif Intern Organs** 1984;30:193–4

Etiology and treatment of peritonitis. Vas SI. **Trans Am Soc Artif Intern Organs** 1984;30:682–4

[Continuous ambulatory peritoneal dialysis before renal transplantation] Fries D, et al. **Presse Med** 1985 Apr 13; 14(15):819–21 (Eng. Abstr.) **(Fre)**

[Peritonitis in renal failure patients treated by continuous ambulatory peritoneal dialysis. Treatment by intraperitoneal administration of a group M penicillin] Pierre D, et al. **Presse Med** 1985 Jun 29;14(26):1413–6 (Eng. Abstr.) **(Fre)**

[Abdominal hernias in patients undergoing continuous ambulatory peritoneal dialysis] Bergia R, et al. **Minerva Chir** 1984 Apr 30;39(8):645–7 (Eng. Abstr.) **(Ita)**

[Peritonitis in patients with renal failure treated with peritoneal dialysis] Panasiuk E, et al. **Pol Arch Med Wewn** 1984 Apr;71(4):221–9 (Eng. Abstr.) **(Pol)**

[Prevention of peritonitis in continuous ambulatory peritoneal dialysis. Comparative study of 2 different protocols of training and bag changing] Selgas R, et al. **Med Clin (Barc)** 1984 Oct 20;83(12):482–4 (Eng. Abstr.) **(Spa)**

ECONOMICS

Continuous ambulatory peritoneal dialysis (CAPD). AMA Council on Scientific Affairs. **Conn Med** 1985 Jan; 49(1):33–5

Comparative study of costs and quality of life of chronic ambulatory peritoneal dialysis and hemodialysis patients in Israel. Rozenbaum EA, et al. **Isr J Med Sci** 1985 Apr; 21(4):335–9

[The appropriate technology: a priority for the application of continuous ambulatory peritoneal dialysis in the Third World] Grünberg J, et al. **Bol Med Hosp Infant Mex** 1984 Aug;41(8):421–5 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

The Gore-Tex peritoneal catheter: a clinical evaluation and comparison with the Tenckhoff catheter. Bay WH, et al. **Am J Kidney Dis** 1984 Nov;4(3):268–79

Effective use of streptokinase for peritoneal catheter failure. Wiegmann TB, et al. **Am J Kidney Dis** 1985 Aug; 6(2):119–23

Surgical aspects of the Tenckhoff peritoneal dialysis catheter. A 7 year experience. Bullmaster JR, et al. **Am J Surg** 1985 Mar;149(3):339–42

Experience with surgical implantation of catheters for continuous ambulatory peritoneal dialysis. Finan PJ, et al. **Ann R Coll Surg Engl** 1985 May;67(3):190–2

Tunnelling device for CAPD catheters. Donnelly PK, et al. **Br J Surg** 1985 Feb;72(2):108

Peritoneal access for chronic peritoneal dialysis. Khanna R, et al. **Int J Artif Organs** 1985 Jan;8(1):1–6

Ultraviolet light as a sterilising agent for extracorporeal fluid tubing connectors. Orange GV, et al. **Int J Artif Organs** 1985 May;8(3):125–8

A new technique for insertion of the Tenckhoff peritoneal dialysis catheter. Di Paolo N, et al. **Nephron** 1985; 40(4):485–7

Tenckhoff peritoneal dialysis catheters: the use of fluoroscopy in management. Degesys GE, et al. **Radiology** 1985 Mar;154(3):819–20

A new technique for the placement of continuous ambulatory peritoneal dialysis catheters in infants and small children. Buntain WL. **Surg Gynecol Obstet** 1985 Apr;160(4):362–4

The double bag system for CAPD reduces the peritonitis rate. Bazzato G, et al. **Trans Am Soc Artif Intern Organs** 1984;30:690–2

[Replacement of the peritoneal dialysis catheter in persistent peritonitis in continuous ambulatory peritoneal dialysis] Marichal JF, et al. **Nephrologie** 1985;6(1):7–10 (Eng. Abstr.) **(Fre)**

[Experience with peritoneal dialysis using a replaceable intra-abdominal catheter (Repl-a-cath)] Karátson A, et al. **Orv Hetil** 1985 Jun 9;126(23):1415–7 (Eng. Abstr.) **(Hun)**

[Peritoneal dialysis using the Tenckhoff catheter. An adequate therapeutic alternative] Vargas-Rosendo R, et al. **Bol Med Hosp Infant Mex** 1984 Oct;41(10):545–50 (Eng. Abstr.) **(Spa)**

METHODS

Experience with intermittent peritoneal dialysis and continuous cyclic peritoneal dialysis. Diaz-Buxo JA, et al. **Am J Kidney Dis** 1984 Nov;4(3):242–8

Choosing a dialysis therapy for children with end-stage renal disease. Fine RN. **Am J Kidney Dis** 1984 Nov;4(3):249–52

Long-term therapy for heart failure with continuous ambulatory peritoneal dialysis. McKinnie JJ, et al. **Arch Intern Med** 1985 Jun;145(6):1128–9

Demographic factors associated with dialysis technique failures among patients undergoing continuous ambulatory peritoneal dialysis. Rubin J, et al. **Arch Intern Med** 1985 Jun;145(6):1041–4

Plasma insulin and glucose levels in diabetic patients undergoing continuous ambulatory peritoneal dialysis using insulin only in the dialysate. Dolgos ET, et al. **Cleve Clin Q** 1984 Winter;51(4):611–4

Experimental study of chronic ambulatory peritoneal dialysis. I. Inhibition of protein and amino acid losses by single amino acids. Wells IC, et al. **Clin Physiol Biochem** 1985; 3(1):8–15

Peritoneoscopy in the management of catheter malfunction during continuous ambulatory peritoneal dialysis. Wilson JA, et al. **Dig Dis Sci** 1985 May;30(5):465–7

Technical developments in CAPD [letter] Binswanger U. **Int J Artif Organs** 1984 Nov;7(6):357

Peritoneal dialysis in renal failure associated with spinal cord injury. Vaziri ND, et al. **J Am Paraplegia Soc** 1984 Oct; 7(4):63–5

Dialysis for end-stage renal disease. Walker JA, et al. **J Med Soc NJ** 1984 Dec;81(12):1067–74

Comparison of continuous cycling peritoneal dialysis with continuous ambulatory peritoneal dialysis in children. Alliapoulos JC, et al. **J Pediatr** 1984 Nov;105(5):721–5

Can CCPD lower the rate of peritonitis? Diaz-Buxo JA. **Trans Am Soc Artif Intern Organs** 1984;30:692–3

A comparison of glucose polymer and dextrose containing dialysate in CAPD patients. Gross ML, et al. **Trans Am Soc Artif Intern Organs** 1984;30:483–5

Plasma biochemistries in CAPD patients from overnight-dwell dialysate. Spencer PC, et al. **Trans Am Soc Artif Intern Organs** 1984;30:241–3

Acceleration of peritoneal solute transport by cytochalasin D. Hirszel P, et al. **Uremia Invest** 1984–85;8(2):85–8

Polycation as an alternative osmotic agent and phosphate binder in peritoneal dialysis. McGary TJ, et al. **Uremia Invest** 1984–85;8(2):79–84

Individualized dialysis for CAPD patients: a review of the experience at the University of Missouri. Twardowski ZJ. **Uremia Invest** 1984;8(1):35–43

[Peritoneal dialysis and leukopheresis in psoriasis: indications and contraindications] Glinski W, et al. **Hautarzt** 1985 Jan; 36(1):16–9 (Eng. Abstr.) **(Ger)**

[Optimization of peritoneal dialysis using diffusion curves] Korten G. **Z Urol Nephrol** 1985 Feb;78(2):111–5 (Eng. Abstr.) **(Ger)**

[Experiences of continuous irrigation peritoneal dialysis for the treatment of acute renal failure following open-heart surgery in the pediatric patients] Ota K, et al. **Kyobu Geka** 1984 Aug;37(8):575–85 (Eng. Abstr.) **(Jpn)**

[Effectiveness of intermittent peritoneal dialysis conducted by the manual method using commercially available dialysis fluid] Majdan M, et al. **Pol Arch Med Wewn** 1984 Apr; 71(4):231–40 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Choosing a dialysis therapy for children with end-stage renal disease. Fine RN. **Am J Kidney Dis** 1984 Nov;4(3):249–52

[Continuous ambulatory peritoneal dialysis. 5-year clinical experience] Fuchs C, et al. **Dtsch Med Wochenschr** 1985 Feb 1;110(5):163–7 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Chronic peritoneal dialysis and social rehabilitation of uremic children in the Third World (letter)] Grünberg J, et al. **Bol Med Hosp Infant Mex** 1985 May;42(5):342–4 **(Spa)**

STANDARDS

Experience with intermittent peritoneal dialysis and continuous cyclic peritoneal dialysis. Diaz-Buxo JA, et al. **Am J Kidney Dis** 1984 Nov;4(3):242–8

TRENDS

[Development and current status of blood--purifying procedures] Joop A. **Biomed Tech (Berlin)** 1984 Jun; 29(6):127–31 (Eng. Abstr.) **(Ger)**

UTILIZATION

Peritoneal dialysis. Hegeman TF. **Indiana Med** 1984 Oct; 77(10):784–6

Maintenance dialysis in the elderly. A review of 15 years' experience in Languedoc-Roussillon. Mion C, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:490–509

VETERINARY

Therapeutic strategies involving antimicrobial treatment of small animals with peritonitis. Thornhill JA. **J Am Vet Med Assoc** 1984 Nov 15;185(10):1181–4 (26 ref.)

PERITONEAL DIALYSIS, CONTINUOUS AMBULATORY see under **PERITONEAL DIALYSIS**

PERITONEAL DISEASES

CHEMICALLY INDUCED

Intraperitoneal tetracycline and adhesions [letter] **Br J Surg** 1984 Nov;71(11):915–7

[Effect of an ethanol extract of propolis on the formation of experimental peritoneal adhesions] Pardela M, et al. **Przegl Lek** 1984;41(12):729–31 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Postcoital pneumoperitoneum due to vaginoperitoneal fistula following hysterectomy. Bruce-Chwatt RM. **Br J Surg** 1984 Sep;71(9):733

Intestinal obstruction due to peritoneal adhesions as a complication of peritoneal dialysis for neonatal hyperammonemia. Nyhan WL, et al. **Eur J Pediatr** 1985 Jan;143(3):211–3

Amyloid deposition makes peritoneal dialysis ineffective [letter] Lawrence CA. **J R Soc Med** 1984 Oct;77(10):895

[Peritoneal gliomatosis associated with a mature teratoma of the ovary] Vital A, et al. **Ann Pathol** 1985;5(1):59–62 (Eng. Abstr.) **(Fre)**

[Primary hydatid cyst of the great epiploon with spontaneous rupture. Hydatid peritonitis] Ionescu A, et al. **Rev Chir [Chir]** 1985 Jan–Feb;34(1):53–6 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Intraabdominal panniculitis: clinical, radiographic, and CT features. Katz ME, et al. **AJR** 1985 Aug;145(2):293–6

Diagnosis of intraperitoneal extravasation of urine by peritoneal lavage. Rubin MJ, et al. **Ann Emerg Med** 1985 May;14(5):433–7

Girth measurement is not a reliable investigation for the detection of intra-abdominal fluid. Aitken RJ, et al. **Ann R Coll Surg Engl** 1985 Jul;67(4):241–2

Free intraperitoneal cholelithiasis--a sign of traumatic perforation of the gallbladder. Wolfson RH, et al. **J Emerg Med** 1984;1(3):223–5

Blastomycosis presenting as a peritoneal inflammatory cyst. Bundy AL, et al. **JCU** 1985 Mar–Apr;13(3):205–7

Fluid collections in the intraperitoneal and extraperitoneal spaces: comparison of MR and CT. Cohen JM, et al. **Radiology** 1985 Jun;155(3):705–8

[Laparoscopic findings in healthy women] Trimbos JB, et al. **Ned Tijdschr Geneeskd** 1984 Dec 15;128(50):2341–3 (Eng. Abstr.) **(Dut)**

[Potentials and limits of laparoscopy in diagnosing hepatic and peritoneal lesions] Banciu T, et al. **Rev Med Interna [Med Interna]** 1984 May–Jun;36(3):257–64 **(Rum)**

DRUG THERAPY

Efficacy of rifampicin in experimental Bacteroides fragilis and Pseudomonas aeruginosa mixed infections. Fu KP, et al. **J Antimicrob Chemother** 1985 May;15(5):579-85

Therapeutic efficacy and pharmacokinetic properties of rifampicin in a Bacteroides fragilis intra-abdominal abscess. Fu KP, et al. **J Antimicrob Chemother** 1984 Dec; 14(6):633-40

Antimicrobial activity of latamoxef (moxalactam) against both Bacteroides fragilis and Escherichia coli in an intraperitoneal abscess model. Harris RW, et al. **J Antimicrob Chemother** 1984 Nov;14(5):499-508

ETIOLOGY

Peritonitis due to intraperitoneal perforation of infected urachal cysts. Agatstein EH, et al. **Arch Surg** 1984 Nov; 119(11):1269-73

[Familial paroxysmal polyserositis. Previously unpublished peritoneal complications. A case] Bitar E, et al. **Presse Med** 1985 Mar 9;14(10):586-8 (Eng. Abstr.) **(Fre)**

[Intraperitoneal adhesion formation and tissue reaction following the use of microsurgical suture material] Martius J, et al. **Geburtshilfe Frauenheilkd** 1984 Jul;44(7):468-71 (Eng. Abstr.) **(Ger)**

[Spontaneous hydatidoperitoneum in adults. Apropos of a clinical case report] Casula G, et al. **Minerva Chir** 1984 Nov 30;39(22):1615-8 (Eng. Abstr.) **(Ita)**

[A case of perirenal encysted hematoma secondary to renal cell adenocarcinoma] Shinoda I, et al. **Hinyokika Kiyo** 1984 Nov;30(11):1633-40 (Eng. Abstr.) **(Jpn)**

[Peritonism following transurethral resection in bladder neoplasms] Gelabert Mas A, et al. **Arch Esp Urol** 1984 Sep-Oct;37(5):449-50 (Eng. Abstr.) **(Spa)**

[Hydatid choleperitoneum] González San Martín F, et al. **Rev Clin Esp** 1984 Oct 15;175(1):45-7 **(Spa)**

OCCURRENCE

[Risk factors for the occurrence of postoperative adhesions] Kovalev MM, et al. **Vestn Khir** 1984 Sep;133(9):44-7 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Omental oxyuriasis: case report. Reyes CV, et al. **Milit Med** 1984 Dec;149(12):682-3

PATHOLOGY

Strangulated omental hernia of the falciform ligament. Crawford R, et al. **Br J Surg** 1985 Jun;72(6):444

[Torsion of the greater omentum] Koval'chuk ID, et al. **Klin Khir** 1985 May;(5):63-4 **(Rus)**

PREVENTION & CONTROL

Is intraperitoneal dextran 70 safe for routine gynecologic use? Magyar DM, et al. **Am J Obstet Gynecol** 1985 May 15; 152(2):198-204

The effect of vitamin E on experimentally induced peritoneal adhesions in mice. Kagoma P, et al. **Arch Surg** 1985 Aug; 120(8):949-51

Invagination of the appendiceal stump for the reduction of peritoneal bacterial contamination. Arnbjörnsson E. **Curr Surg** 1985 May-Jun;42(3):184-7

Current use of ancillary modalities for adhesion prevention. Holtz G. **Fertil Steril** 1985 Aug;44(2):174-6

[Prevention of intraperitoneal suture insufficiency using fibrin adhesives] Pointner R, et al. **Zentralbl Chir** 1984; 109(17):1146-8 **(Ger)**

RADIOGRAPHY

Specific enhancement of intra-abdominal abscesses with perfluoroctylbromide for CT imaging. Mattrey RF, et al. **Invest Radiol** 1984 Sep-Oct;19(5):438-46

Enhanced ascites: CT sign of ureteral fistula. Hirsch M. **J Comput Assist Tomogr** 1985 Jul-Aug;9(4):825-6

[Abdominal abscess in computerized tomography] Brusselaers G, et al. **J Belge Radiol** 1984;67(4):243-6 (Eng. Abstr.) **(Dut)**

[A case of mesenteric panniculitis diagnosed before operation and cured by colostomy] Sato T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Oct;81(10):2582-7 **(Jpn)**

RADIONUCLIDE IMAGING

Indium-111-oxine-labeled leukocyte imaging. Palace FM, et al. **J Med Soc NJ** 1984 Nov;81(11):959-63

SURGERY

Tubal patency and pelvic adhesions at early second-look laparoscopy following intraabdominal use of the carbon dioxide laser: initial report of the intraabdominal laser study group. Diamond MP, et al. **Fertil Steril** 1984 Nov; 42(5):717-23

Lesser sac abscesses and fluid collections: drainage by transhepatic approach. Mueller PR, et al. **Radiology** 1985 Jun;155(3):615-8

[Surgical treatment of pseudomyxoma peritonei] Rabinowitz R, et al. **Harefuah** 1985 Mar 1;108(5):238-9 (Eng. Abstr.) **(Heb)**

VETERINARY

Studies on the effects of uroperitonium in buffalo calves (Bubalus bubalis). Singh M, et al. **Arch Exp Veterinarmed** 1985 Mar;39(2):282-8

Peritoneal cestodiasis in a dog. Williams JF, et al. **J Am Vet Med Assoc** 1985 May 15;186(10):1103-5

PERITONEAL EFFUSION see **ASCITIC FLUID**

PERITONEAL NEOPLASMS

Tumour spread through the obturator foramen. Abratt RP, et al. **Br J Radiol** 1985 Jul;58(691):673-4

Dissemination of carcinoma: unusual complication of percutaneous nephrostomy. Chiang MS, et al. **Urology** 1985 Apr;25(4):393-4

[Multicystic peritoneal mesothelioma] Záhoř Z, et al. **Cas Lek Cesk** 1984 Sep 28;123(38-39):1205-9 (Eng. Abstr.) **(Cze)**

[Malignant peritoneal mesothelioma] Zolenko D. **Rev Med Liege** 1985 May 15;40(10):423-7 (40 ref.) **(Fre)**

ANALYSIS

Peritoneal mesothelial cell injury factors in rat cancerous ascites. Kimura A, et al. **Cancer Res** 1985 Sep;45(9):4330-3

COMPLICATIONS

Endometriosis with massive ascites. Halme J, et al. **Obstet Gynecol** 1985 Apr;65(4):591-2

Massive ascites due to omental endometriosis. Naraynsingh V, et al. **Postgrad Med J** 1985 Jun;61(716):539-40

Tuberculous peritonitis developing in a case of documented peritoneal carcinomatosis. Markman M. **West J Med** 1985 Jul;143(1):103-5

[Strangulated hernia of the xiphoid process in a patient with severe heart disease] Pshukov SI, et al. **Vestn Khir** 1985 Jan;134(1):75-6 **(Rus)**

DIAGNOSIS

Ultrasound findings in pseudomyxoma peritonei. Foster DR. **Australas Radiol** 1985 Feb;29(1):39-41

Autoimmune hemolytic anemia and dermoid cyst of the mesentery. A case report. Buonanno G, et al. **Cancer** 1984 Dec 1;54(11):2533-6

Hyaluronic acid content of effusions as a diagnostic aid for malignant mesothelioma. Roboz J, et al. **Cancer Res** 1985 Apr;45(4):1850-4

Peritoneal mesothelioma. Raptopoulos V. **CRC Crit Rev Diagn Imaging** 1985;24(4):293-328 (67 ref.)

Benign cystic peritoneal mesothelioma. Schneider JA, et al. **JCU** 1985 Mar-Apr;13(3):190-2

Parasellar metastases: four autopsied cases. Bitoh S, et al. **Surg Neurol** 1985 Jan;23(1):41-8

[Peritoneal mesothelioma. Natural history] Zolenko D, et al. **Acta Gastroenterol Belg** 1984 Jul-Aug;47(4):360-9 (Eng. Abstr.) **(Fre)**

[Malignant fibrous histiocytoma of the mesentery. Echographic and x-ray computed tomographic aspects. Apropos of a case] Duchat A, et al. **J Radiol** 1985 Mar; 66(3):241-4 (Eng. Abstr.) **(Fre)**

[Peritoneal mesotheliomas and exposure to asbestos] Ben-Dror G, et al. **Harefuah** 1985 May 1;108(9):435-7 (Eng. Abstr.) **(Heb)**

[Computed tomography and ultrasonic diagnosis of pseudomyxoma peritonei: report of a case] Itoh H, et al. **Rinsho Hoshasen** 1984 Aug;29(8):921-4 (Eng. Abstr.) **(Jpn)**

[Pheochromocytoma with extra-adrenal localization associated with neurofibromatosis] Mizan K, et al. **Pol Tyg Lek** 1984 Jun 11;39(24):833-5 (Eng. Abstr.) **(Pol)**

[Chylangioma simulating tuberculous peritonitis] Shcherba BV, et al. **Probl Tuberk** 1985;(3):66-7 **(Rus)**

[Lymphangiomas of the omentum in children] Kushch NL, et al. **Vestn Khir** 1985 May;134(5):101-5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

'Two-route chemotherapy' using high-dose ip cisplatin and iv sodium thiosulfate, its antidote, for peritoneally disseminated cancer in mice. Iwamoto Y, et al. **Cancer Treat Rep** 1984 Nov;68(11):1367-73

Phase II trial of high-dose cisplatin in patients with malignant mesothelioma. Mintzer DM, et al. **Cancer Treat Rep** 1985 Jun;69(6):711-2

Combination intraperitoneal chemotherapy [letter] Byfield JE. **J Clin Oncol** 1985 Aug;3(8):1155-7

Intraperitoneal chemotherapy with high-dose cisplatin and cytosine arabinoside for refractory ovarian carcinoma and other malignancies principally involving the peritoneal cavity. Markman M, et al. **J Clin Oncol** 1985 Jul;3(7):925-31

Combination intraperitoneal chemotherapy with cisplatin, cytarabine, and doxorubicin for refractory ovarian carcinoma and other malignancies principally confined to the peritoneal cavity. Markman M, et al. **J Clin Oncol** 1984 Dec;2(12):1321-6

Intracavitary chemotherapy for malignant disease confined to body cavities. Markman M. **West J Med** 1985 Mar; 142(3):364-8 (53 ref.)

[Intraperitoneal cisplatin in peritoneal carcinomatosis patients] Toi M, et al. **Gan No Rinsho** 1985 May;31(5):522-6 (Eng. Abstr.) **(Jpn)**

[Chemotherapy of a human pseudomyxoma peritonei transplanted in the nude mouse] Miyahara K. **Nippon Gan Chiryo Gakkai Shi** 1984 Jul 20;19(6):1296-306 (Eng. Abstr.) **(Jpn)**

[Effect of nitrogen derivative of verrucarin E, VER-I, on biology and development of morphological, histochemical and histoenzymatic changes in experimental neoplasms in animals] Jodczyk KJ. **Patol Pol** 1984 Jul-Sep;35(3):349-64 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Cathepsin B containing cells in the rabbit mesentery during invasion of V2 carcinoma cells. Graf FM, et al. **Histochemistry** 1984;80(5):509-15

[Determination of total lactate dehydrogenase and its isoenzymes in ascitic fluid] López JE, et al. **GEN** 1984 Jan-Jun;38(1-2):12-37 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Histological types of malignant mesothelioma and asbestos exposure. Wright WE, et al. **Br J Ind Med** 1984 Nov; 41(4):514-7

Malignant mesothelioma induced by asbestos and zeolite in the mouse peritoneal cavity. Suzuki Y, et al. **Environ Res** 1984 Oct;35(1):277-92

Mesothelioma--short latent period after industrial asbestos exposure and prolonged survival. Abratt RP, et al. **Eur J Surg Oncol** 1985 Sep;11(3):279-82

Immature teratoma of the ovary with gliomatosis peritonei. A case report. du Toit JP, et al. **S Afr Med J** 1985 Jun 22;67(25):1017-20

[Heterotransplantation of human gastric carcinoma into nude mice. 9. Transplantation of cell suspension of serially transplanted human gastric cancer in subcutaneous tissue into the peritoneal cavity of nude mice] Nakatani K, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Feb 20;19(1):88-94 (Eng. Abstr.) **(Jpn)**

METABOLISM

Morphology of peritumoral proteoglycan alterations in the rabbit mesentery invaded by V2 carcinoma cells. Müller-Glauser W, et al. **Int J Cancer** 1984 Oct 15; 34(4):545-53

OCCURRENCE

Mesothelioma of the peritoneum during 1967-82 in England and Wales. Gardner MJ, et al. **Br J Cancer** 1985 Jan; 51(1):121-6

Malignant mesothelioma in British Columbia in 1982. Churg A. **Cancer** 1985 Feb 1;55(3):672-4

PATHOLOGY

Peritoneal mesothelioma: case report and review of the literature. Chachati A, et al. **Acta Clin Belg** 1984; 39(3):141-7

Elastofibroma of the greater omentum. Tsutsumi A, et al. **Acta Pathol Jpn** 1985 Jan;35(1):233-41

Mucocele of the appendix and pseudomyxoma peritonei. Dachman AH, et al. **AJR** 1985 May;144(5):923-9

Diffuse malignant peritoneal mesothelioma in a 13-year-old girl. Report of a case and review of the literature. Talerman A, et al. **Am J Surg Pathol** 1985 Jan;9(1):73-80

Carcinoid tumor arising in a cystic duplication of the small bowel. Smith JH, et al. **Arch Pathol Lab Med** 1985 Jan; 109(1):95-6

Benign cystic mesothelioma. Case reports. Philip G, et al. **Br J Obstet Gynaecol** 1984 Sep;91(9):932-8

Immature teratoma with gliomatosis peritonei associated with pregnancy. Hassan AA, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Oct;18(3):155-60

Cellular components in peritoneal fluid in infertile patients with and without endometriosis. Badawy SZ, et al. **Fertil Steril** 1984 Nov;42(5):704-8

Coexistent immature teratoma of the uterus and endometrial adenocarcinoma complicated by gliomatosis peritonei. Ansah-Boateng Y, et al. **Gynecol Oncol** 1985 May; 21(1):106-10

Tumor-associated desmoplasia in the rabbit mesentery characterized by morphological, biochemical and cytophotometric methods. Haemmerli G, et al. **Int J Cancer** 1985 Apr 15;35(4):527-34

Human endometrium and endometriotic tissue obtained simultaneously: a comparative histological study. Bergqvist A, et al. **Int J Gynecol Pathol** 1984;3(2):135-45

Malignant peritoneal mesothelioma in children: description of two cases and review of the literature. Kovalivker M, et al. **J Pediatr Surg** 1985 Jun;20(3):274-5

Peritoneal mesothelioma with an unusual gross appearance (a case report). DeSa LA, et al. **J Postgrad Med** 1984 Apr; 30(2):116-8

Malignant smooth muscle tumors of the retroperitoneum and mesentery: a clinicopathologic analysis of 44 cases. Hashimoto H, et al. **J Surg Oncol** 1985 Mar;28(3):177-86

Ovarian teratoma with peritoneal and lymph node metastases of mature glial tissue: a benign condition. El Shafie M, et al. **J Surg Oncol** 1984 Sep;27(1):18-22

Papillary peritoneal neoplasms in females. McCaughey WT. **Pathol Annu** 1985;20 Pt 2:387-404

Prevalence of primary papillary peritoneal neoplasia in patients with ovarian carcinoma. Lindeque BG, et al. **S Afr Med J** 1985 Jun 22;67(25):1005-7

Leiomyomatosis peritonealis disseminata. Brumback RA, et al. **Surgery** 1985 Jun;97(6):707–13

[Granulosa cell tumor. A case with primary peritoneal carcinosis and recurrence after 24 years] Asschenfeldt P, et al. **Ugeskr Laeger** 1984 Jun 25;146(26):1938 (Eng. Abstr.) **(Dan)**

[Recurrent mesenchymoma of the peritoneum with hepatic metastasis in an 8-year-old child] Roth A. **Arch Anat Cytol Pathol** 1984;32(3):170–2 (Eng. Abstr.) **(Fre)**

[Disseminated peritoneal leiomyomatosis. Apropos of 2 new cases] Tabbara WS, et al. **Arch Anat Cytol Pathol** 1985; 33(3):140–4 (Eng. Abstr.) **(Fre)**

[Disseminated fibromatosis of the mesenterium] Sieratzki J, et al. **Leber Magen Darm** 1985 Mar;15(2):90–2 (Eng. Abstr.) **(Ger)**

[Carcinoma of the appendix arising on the basis of a mucinous cystadenoma] Detky G. **Zentralbl Allg Pathol** 1985; 130(2):139–42 (Eng. Abstr.) **(Ger)**

[A case of multiple endocrine adenomatosis with atypical mesenteric localization of 2 gastrinomas] Fontana D, et al. **Minerva Chir** 1984 Sep 15;39(17):1165–70 (Eng. Abstr.) **(Ita)**

[A case of omental malignant schwannoma presenting as a huge abdominal tumor] Matsuda H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1984 Sep;81(9):2053–6 **(Jpn)**

[Glomus tumor of the peritoneal cavity associated with lymphogranulomatosis] Zmeul VK, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):120–1 **(Rus)**

PHYSIOPATHOLOGY

[Diffuse pulmonary carcinomatous lymphangitis. Study of respiratory function in 18 cases] Weynants P, et al. **Rev Mal Respir** 1984;1(6):343–9 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Gardner's syndrome and mesenteric desmoids. Carr LY, et al. **Am J Gastroenterol** 1985 Apr;80(4):310–2

Omental cakes: colonic involvement by omental metastases. Rubesin SE, et al. **Radiology** 1985 Mar;154(3):593–6

Ultrasonography and computed tomography in pseudomyxoma peritonei. Yeh HC, et al. **Radiology** 1984 Nov;153(2):507–10

[X-ray computed tomographic aspects of gelatinous disease of the peritoneum. Apropos of 5 cases] Rieux D, et al. **J Radiol** 1985 Apr;66(4):297–302 (Eng. Abstr.) **(Fre)**

[Mesotheliomas of the pleura and peritoneum] Engelhard K, et al. **Radiologe** 1985 Feb;25(2):60–5 (Eng. Abstr.) **(Ger)**

[Epitheloid leiomyosarcoma. Radiologic and anatomo-pathological features] Robledo AG, et al. **Rev Clin Esp** 1985 Mar;176(5):259–61 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Gallium scanning in peritoneal mesothelioma. Armas RR, et al. **AJR** 1985 Mar;144(3):563–5

SECONDARY

Clarification on 'shunting malignant ascites' [letter] Klopp A. **Am J Nurs** 1984 Oct;84(10):1208

Intraperitoneal chromic phosphate P 32 suspension therapy of malignant peritoneal cytology in endometrial carcinoma. Soper JT, et al. **Am J Obstet Gynecol** 1985 Sep 15; 153(2):191–6

Rapid intra-abdominal spread of pancreatic cancer. Influence of multiple operative biopsy procedures. Weiss SM, et al. **Arch Surg** 1985 Apr;120(4):415–6

Malignant seeding after fine-needle aspiration biopsy of the pancreas. Caturelli E, et al. **Diagn Imag Clin Med** 1985; 54(2):88–91

Secondary involvement of the transverse colon by tumors of the pelvis: spread of malignancies along the greater omentum. Krestin GP, et al. **Gastrointest Radiol** 1985; 10(3):283–8

Role of whole abdominal radiation therapy in the management of endometrial cancer; prognostic importance of factors indicating peritoneal metastases. Potish RA, et al. **Gynecol Oncol** 1985 May;21(1):80–6

Polypoid peritoneal metastases from carcinoid neoplasms. Robb JA, et al. **Hum Pathol** 1984 Oct;15(10):1002–3

Calcified intraperitoneal and mediastinal implants in malignant ovarian teratoma. Miller DL, et al. **J Can Assoc Radiol** 1984 Jun;35(2):217–9

Intraperitoneal hepatocellular carcinomatosis. Mitchell DG, et al. **J Comput Tomogr** 1985 Jul;9(3):261–3

Successful treatment of pulmonary and abdominal metastatic osteosarcoma. Takaue Y, et al. **Med Pediatr Oncol** 1985; 13(3):126–8

Peritoneal carcinomatosis after prophylactic oophorectomy in familial ovarian cancer syndrome. Chen KT, et al. **Obstet Gynecol** 1985 Sep;66(3 Suppl):93S–94S

[Multiple metastases of a benign leiomyoma. Apropos of a case. Review of the literature. Pathogenic concepts and therapeutic stance] Glaser H, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(5):531–9 (Eng. Abstr.) **(Fre)**

[Late ileal and peritoneal metastases of renal adenocarcinoma disclosed by occlusion (letter)] Billebaud T, et al. **Presse Med** 1984 Nov 10;13(40):2457 **(Fre)**

[Detection of metastases in effusions from body cavities] Pfitzer P. **Pathologe** 1984 Oct;5(5):252–9 **(Ger)**

[Continuous peritoneal lavage with antiblastics in the treatment of ovarian carcinoma in the ascitic phase. Preliminary results] Vadalà G, et al. **Minerva Chir** 1984 Dec 15–31;39(23–24):1689–91 (Eng. Abstr.) **(Ita)**

[Occult carcinoma of the fallopian tube with peritoneal carcinosis. A case report] Tunesi G, et al. **Pathologica** 1984 Jul–Aug;76(1044):499–502 (Eng. Abstr.) **(Ita)**

[A histopathologic study of the disseminated peritoneal metastasis of gastric cancer] Okamoto T. **Nippon Geka Gakkai Zasshi** 1985 Jun;86(6):669–79 (Eng. Abstr.) **(Jpn)**

[Extraneural metastasis of malignant glioma through a ventriculo-peritoneal shunt: growth in peritoneal cavity as ascitic form] Wakabayashi T, et al. **No Shinkei Geka** 1985 May;13(5):547–52 (Eng. Abstr.) **(Jpn)**

SECRETION

Peritoneal fluid prolactin in infertile women with endometriosis: lack of evidence of secretory activity by endometrial implants. Haney AF, et al. **Fertil Steril** 1984 Dec;42(6):935–8

Acromegaly due to secretion of growth hormone by an ectopic pancreatic islet-cell tumor. Melmed S, et al. **N Engl J Med** 1985 Jan 3;312(1):9–17

[Distant metastases of cervical cancer. Apropos of an unusual case. Review of the literature] Bellaïche M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(5):527–30 (Eng. Abstr.) **(Fre)**

SURGERY

Fulguration versus resection of experimental endometrial peritoneal implants in the rat. Golan A, et al. **Aust NZ J Obstet Gynaecol** 1984 Nov;24(4):286–8

Microsurgery of endometriosis in infertile patients. Gordts S, et al. **Fertil Steril** 1984 Oct;42(4):520–5

Coexistent benign teratomas of the omentum and ovary. A case report. Compton AA, et al. **J Reprod Med** 1985 Mar; 30(3):209–10

Primary leiomyosarcoma of the lesser sac--report of a case. Souda K, et al. **Jpn J Surg** 1984 Nov;14(6):505–9

Macrocystic peritoneal mesothelioma. Wetzel WJ, et al. **South Med J** 1985 Aug;78(8):1004–7

THERAPY

[Primary pseudo-ovarian peritoneal carcinosis. 4 cases] Colbert N, et al. **Presse Med** 1985 Mar 30;14(13):725–7 (Eng. Abstr.) **(Fre)**

[Mucoid peritonitis. Apropos of 2 case reports. Review of the literature] Courant C, et al. **Rev Fr Gynecol Obstet** 1984 Oct;79(10):641–6 (Eng. Abstr.) **(Fre)**

[The effect of continuous hyperthermic peritoneal perfusion using high-dose cis-diamminedichloroplatinum for peritoneal dissemination of gastric cancers] Yonemura Y, et al. **Gan To Kagaku Ryoho** 1985 Jan;12(1):134–8 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Peritoneal endometriosis: scanning electron microscopy and histology of minimal pelvic endometriotic lesions. Vasquez G, et al. **Fertil Steril** 1984 Nov;42(5):696–703

Ultrastructure of poorly differentiated diffuse epithelial mesotheliomas. Dardick I, et al. **Ultrastruct Pathol** 1984; 7(2-3):151–60

[Ultrastructure of asbestos-induced mesotheliomas] Topov Ia, et al. **Vopr Onkol** 1985;31(4):75–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Lymphatic metastasis in a case of feline peritoneal mesothelioma. Suzuki Y, et al. **Nippon Juigaku Zasshi** 1985 Jun;47(3):511–6

[Myxosarcoma in a heifer] Loupal G, et al. **Tierarztl Prax** 1984;12(2):173–8 **(Ger)**

PERITONEOSCOPY

Isoflurane v fentanyl for outpatient laparoscopy. Rising S, et al. **Acta Anaesthesiol Scand** 1985 Apr;29(3):251–5

Chronic active hepatitis (CAH). The diagnostic and prognostic value of laparoscopy. Semary M, et al. **Acta Gastroenterol Belg** 1984 Sep–Oct;47(5):490–9

Peritoneoscopy of alcoholic liver cirrhosis in comparison with non-alcoholic liver cirrhosis. Kitadai M, et al. **Acta Med Okayama** 1985 Apr;39(2):105–12

Pitfalls in clinical, laparoscopic and histologic diagnosis of endometriosis. Dmowski WP. **Acta Obstet Gynecol Scand [Suppl]** 1984;123:61–6

A comparative study of topical anesthesia for laparoscopic sterilization with the use of the tubal ring. Koetsawang S, et al. **Am J Obstet Gynecol** 1984 Dec 15;150(8):931–3

Comparative study of ultrasonically guided percutaneous aspiration with local anesthesia and laparoscopic aspiration of follicles in an in vitro fertilization program. Lewin A, et al. **Am J Obstet Gynecol** 1985 Mar 1;151(5):621–5

Comparison of atracurium and alcuronium in day-case gynaecological surgery. Collins KM, et al. **Anaesthesia** 1984 Nov;39(11):1130–4

Laparoscopy for oocyte recovery. Steptoe P, et al. **Ann NY Acad Sci** 1985;442:178–81

Vecuronium bromide in anaesthesia for laparoscopic sterilization. Caldwell JE, et al. **Br J Anaesth** 1985 Aug; 57(8):765–9

Cardiac arrhythmias during anaesthesia for laparoscopy. Harris MN, et al. **Br J Anaesth** 1984 Nov;56(11):1213–7

Gynaecological laparoscopy: clinical experiences of two anaesthetic techniques. Kurer FL, et al. **Br J Anaesth** 1984 Nov;56(11):1207–12

Gynaecological laparoscopy [letter] Lamberty JM. **Br J Anaesth** 1985 Jul;57(7):718–9

A comparison between ultrasonography and laparoscopy in localising the impalpable undescended testis. Malone PS, et al. **Br J Urol** 1985 Apr;57(2):185–6

The value of laparoscopy in localising the impalpable undescended testis. Malone PS, et al. **Br J Urol** 1984 Aug; 56(4):429–31

Laparoscopic diagnosis of ascites in Lesotho. Menzies RI, et al. **Br Med J [Clin Res]** 1985 Aug 17;291(6493):473–5

Laparoscopic sterilization in a free-standing clinic: a report of 1,092 cases. Lee SY, et al. **Contraception** 1984 Dec; 30(6):545–53

Peritoneoscopy in the management of catheter malfunction during continuous ambulatory peritoneal dialysis. Wilson JA, et al. **Dig Dis Sci** 1985 May;30(5):465–7

Netlike structure of the gallbladder--a laparoscopic phenomenon. Friedrich K, et al. **Endoscopy** 1985 Jan; 17(1):15–

A case of malignant hemangioendothelioma of the stomach. Seki K, et al. **Endoscopy** 1985 Mar;17(2):78–80

Laparoscopic findings in eight cases of liver fascioliasis. Uribarrena R, et al. **Endoscopy** 1985 Jul;17(4):137–8

Peritoneoscopy as an aid in intravenous injection of indocyanine green (ICG). Watanabe M, et al. **Endoscopy** 1985 Jul;17(4):149–52

Use of spinal anesthesia in laparoscopy for in vitro fertilization. Endler GC, et al. **Fertil Steril** 1985 May; 43(5):809–10

Adhesion formation after tubal surgery: results of the eighth-day laparoscopy in 188 patients. Trimbos-Kemper TC, et al. **Fertil Steril** 1985 Mar;43(3):395–400

Noncardiogenic pulmonary edema secondary to intrauterine instillation of 32% dextran 70. Zbella EA, et al. **Fertil Steril** 1985 Mar;43(3):479–80

Laparoscopy and tuberculous peritonitis [letter] Alberti-Flor JJ, et al. **Gastrointest Endosc** 1985 Apr;31(2):106–7

Laparoscopy in the diagnosis of primary carcinoma of the gallbladder. A study of 98 cases. Dagnini G, et al. **Gastrointest Endosc** 1984 Oct;30(5):289–91

Indications for laparoscopy before and after the introduction of ultrasonography. Gandolfi L, et al. **Gastrointest Endosc** 1985 Feb;31(1):1–3

Peritoneoscopy in the diagnosis of liver abscess. Experience with 108 cases during a 10-year period. Hitanant S, et al. **Gastrointest Endosc** 1984 Aug;30(4):234–6

Laparoscopic lysis of adhesions for postappendectomy pain. Kleinhaus S. **Gastrointest Endosc** 1984 Oct;30(5):304–5

Laparoscopic drainage of amebic liver abscess. Salky B, et al. **Gastrointest Endosc** 1985 Feb;31(1):30–2

Splenic cyst--definitive treatment by laparoscopy. Salky B, et al. **Gastrointest Endosc** 1985 Jun;31(3):213–5

Clinical selection of infertile patients for laparoscopy. Portuondo JA, et al. **Int J Fertil** 1984;29(4):234–8

Laparoscopy in children and adolescents. Wolfman WL, et al. **J Adolesc Health Care** 1984 Oct;5(4):261–5

Laparoscopic or ultrasonically guided follicle aspiration for in vitro fertilization? Feichtinger W, et al. **J In Vitro Fert Embryo Transfer** 1984 Dec;1(4):244–9

Laparoscopy under local anaesthesia [letter] Casey WF. **J R Soc Med** 1984 Nov;77(11):985–6

American Association of Gynecologic Laparoscopists' 1982 membership survey. Phillips JM, et al. **J Reprod Med** 1984 Aug;29(8):592–4

Laparoscopy in the diagnosis and management of ovarian cancer. Qu JY, et al. **J Reprod Med** 1984 Jul;29(7):483–8

Physiopathologic changes during anesthesia administration for gynecologic laparoscopy. Versichelen L, et al. **J Reprod Med** 1984 Oct;29(10):697–700

Second-look laparoscopy in ovarian cancer. Xygakis AM, et al. **J Reprod Med** 1984 Aug;29(8):583–85

Laparoscopy for gastrointestinal diseases. Salky B, et al. **Mt Sinai J Med (NY)** 1985 Mar;52(3):228–32

Laparoscopy in 100 women with chronic pelvic pain. Kresch AJ, et al. **Obstet Gynecol** 1984 Nov;64(5):672–4

Laparoscopic findings and contraceptive use in women with signs and symptoms suggestive of acute salpingitis. Wølner-Hanssen P, et al. **Obstet Gynecol** 1985 Aug; 66(2):233–8

Gynecologic laparoscopy. A review article. Ohlgisser M, et al. **Obstet Gynecol Surv** 1985 Jul;40(7):385–96 (144 ref.)

Minilaparotomy and laparoscopy: safe, effective, and widely used. Liskin L, et al. **Popul Rep [C]** 1985 May;(9):C125–67 (664 ref.)

Chronic pelvic pain: psychological features and laparoscopic findings. Rosenthal RH, et al. **Psychosomatics** 1984 Nov; 25(11):833–41

The stimulus for vasopressin release during laparoscopy. Melville RJ, et al. **Surg Gynecol Obstet** 1985 Sep; 161(3):253–6

Normal lambs born following transfer of embryos by laparoscopy [letter] McKelvey WA, et al. **Vet Rec** 1984 Sep 1;115(9):230

[Laparoscopic characteristics and tumor dissemination in stomach cancer] Ivanov S. **Khirurgiia (Sofiia)** 1984; 37(5):423–5 (Eng. Abstr.) **(Bul)**

[Laparoscopic assessment of gonadal function] Gu CX. **Chung Hua I Hsueh Tsa Chih** 1985 Jan;65(1):26–9 **(Chi)**

[Use of the laparoscope in the diagnosis and treatment of trophoblastic neoplasm] Shi YF. **Chung Hua I Hsueh Tsa Chih** 1984 Jul;64(7):437–9 **(Chi)**

[Laparoscopic diagnosis of primary carcinoma of the liver] Krtek V, et al. **Cas Lek Cesk** 1984 Dec 21;123(51):1556–60 (Eng. Abstr.) **(Cze)**

[Bipolar coagulation in surgical laparoscopy] Leš I, et al. **Cesk Gynekol** 1985 May;50(4):289–90 **(Cze)**

[Comprehensive diagnostic laparoscopy––a rational examination of infertile married couples] Pilka L, et al. **Cesk Gynekol** 1985 Jul;50(6):402–5 (Eng. Abstr.) **(Cze)**

[Diagnostic and therapeutic laparoscopy in the diagnosis and treatment of sterility] Larsen JF, et al. **Ugeskr Laeger** 1985 Jan 14;147(3):173–5 (Eng. Abstr.) **(Dan)**

[Laparoscopic findings in healthy women] Trimbos JB, et al. **Ned Tijdschr Geneeskd** 1984 Dec 15;128(50):2341–3 (Eng. Abstr.) **(Dut)**

[Secondary cancer of the liver: value and efficacy of laparoscopy] Buffet C. **Ann Gastroenterol Hepatol (Paris)** 1985 Jan;21(1):21–2 (Eng. Abstr.) **(Fre)**

[Celioscopic salpingectomy. Apropos of 31 cases] Dubuisson JB, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1985; 14(1):105–9 (Eng. Abstr.) **(Fre)**

[The diagnostic value of celioscopy in the evaluation of chronic pelvic pain. Apropos of 184 cases] Priou G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(4):395–402 (Eng. Abstr.) **(Fre)**

[Indications for laparoscopy in an internal medicine department in Dakar as indicated by echotomography] Aubry P, et al. **Med Trop (Mars)** 1984 Jul–Sep;44(3):241–5 (Eng. Abstr.) **(Fre)**

[Experiences with laparoscopic interval sterilization with fallopian tube rings] Haenel AF, et al. **Fortschr Med** 1985 Feb 7;103(5):87–90 (Eng. Abstr.) **(Ger)**

[Current significance of laparoscopy as a diagnostic measure within the scope of liver diseases] Wildhirt E. **Lebensversicherungsmedizin** 1984 Jul 18;36(6):139–41 (Eng. Abstr.) **(Ger)**

[Status of laparoscopy in the diagnosis of adnexitis] von Felten–Burkard A, et al. **Ther Umsch** 1984 Jul;41(7):470–5 (Eng. Abstr.) **(Ger)**

[Initial experiences with the operative treatment of tubal pregnancy by laparoscopy] Kolmorgen K, et al. **Zentralbl Gynakol** 1985;107(10):611–8 (Eng. Abstr.) **(Ger)**

[Pulmonary gas embolism in laparoscopy––a rare complication] Siegismund K, et al. **Zentralbl Gynakol** 1985; 107(7):435–9 (Eng. Abstr.) **(Ger)**

[Laparoscopic extirpation of ovarian cysts] Di Gregorio A, et al. **Minerva Ginecol** 1985 Mar;37(3):113–6 (Eng. Abstr.) **(Ita)**

[Potentials and limits of laparoscopy in diagnosing hepatic and peritoneal lesions] Banciu T, et al. **Rev Med Interna [Med Interna]** 1984 May–Jun;36(3):257–64 **(Rum)**

[Diagnostic possibilities for endoscopy in diseases of the stomach] Bachev II. **Klin Med (Mosk)** 1984 Jul;62(7):18–22 (50 ref.) **(Rus)**

[Laparoscopy in oncological practice] Guliaev AV, et al. **Vopr Onkol** 1985;31(6):96–9 (Eng. Abstr.) **(Rus)**

[Algorithm in hepatology. Blind biopsy or laparoscopic biopsy?] Jmelnitzky A, et al. **Acta Gastroenterol Latinoam** 1983;13(2):155–61 (Eng. Abstr.) **(Spa)**

[Contribution of laparoscopy and hepatic biopsy to the diagnosis of the fever–of–unknown–origin syndrome] Trujillo L, et al. **Rev Clin Esp** 1984 Sep 15;174(5):179–82 (Eng. Abstr.) **(Spa)**

[Laparoscopic manifestations of the gallbladder in hepatobiliary diseases] Bonet M, et al. **Rev Esp Enferm Apar Dig** 1985 Mar;67(3):253–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Carbon dioxide embolism during laparoscopy and hysteroscopy. Gomar C, et al. **Ann Fr Anesth Reanim** 1985; 4(4):380–2

Comparison of morbidity between inpatients and outpatients following gynaecological laparoscopy. Harvey DC, et al. **Ann R Coll Surg Engl** 1985 Mar;67(2):103–4

Complications of laparoscopy. Patel DN, et al. **Asia Oceania J Obstet Gynaecol** 1985 Mar;11(1):87–91

Small bowel obstruction following diagnostic laparoscopy. Sauer M, et al. **Fertil Steril** 1984 Oct;42(4):653–4

Fibrin sponge plugging of hemorrhage from laparoscopic biopsy. Dagnini G, et al. **Gastrointest Endosc** 1985 Feb; 31(1):35–6

The Dallas report on laparoscopic complications [letter] Henning H. **Gastrointest Endosc** 1985 Apr;31(2):104–6

Complications of diagnostic laparoscopy in Dallas: a 7–year prospective study. Kane MG, et al. **Gastrointest Endosc** 1984 Aug;30(4):237–40

Instrument failure in in vitro fertilization: a case report. Hinduja I, et al. **J In Vitro Fert Embryo Transfer** 1985 Jun;2(2):108–9

Bowel injuries during laparoscopy. Gross anatomy and histology. Levy BS, et al. **J Reprod Med** 1985 Mar; 30(3):168–72

Comparison of the safety of open and conventional laparoscopic sterilization. Bhiwandiwala PP, et al. **Obstet Gynecol** 1985 Sep;66(3):391–4

[Bilateral pneumothorax following laparoscopy] Kroh U, et al. **Anasth Intensivther Notfallmed** 1984 Oct;19(5):258–60 (Eng. Abstr.) **(Ger)**

[Massive bleeding during laparoscopy from varicose changes in the minor pelvis] Fras PA. **Jugosl Ginekol Opstet** 1984 May–Aug;24(3–4):56–7 (Eng. Abstr.) **(Ser)**

INSTRUMENTATION

Hysteroscopic evaluation of intrauterine progesterone contraceptive system as a treatment for abnormal uterine bleeding. Scarselli G, et al. **Acta Eur Fertil** 1984 Jul–Aug; 15(4):279–82

Appropriate technology: equipment for the gastroenterologist [letter] Fidail SS. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1074–5

What's new in endoscopic still photography. Cohen MR. **J Reprod Med** 1984 Aug;29(8):589–91

A new second–puncture probe for CO2 laser laparoscopy. Daniell JF, et al. **J Reprod Med** 1985 Feb;30(2):89–92

Laser laparoscopy. A new modality. Feste JR. **J Reprod Med** 1985 May;30(5):413–7

[A uterine guide to gynecologic laparoscopy] Jørgensen EH, et al. **Ugeskr Laeger** 1984 Nov 5;146(45):3452–4 (Eng. Abstr.) **(Dan)**

[Laparoscopic manipulator] Ustinov GG, et al. **Klin Khir** 1985 Jan;(1):75 **(Rus)**

METHODS

Laparoscopic sonography. Bönhof JA, et al. **Ann Radiol (Paris)** 1985;28(1):16–8

Liver biopsy guided by laparoscopic sonography. A case report demonstrating a new technique. Bönhof JA, et al. **Endoscopy** 1984 Nov;16(6):237–9

Application of simplified laser laparoscopy to preparation of the pelvis for in vitro fertilization. Keye WR Jr, et al. **J Reprod Med** 1985 May;30(5):418–20

Development of a simplified laparoscopic sterilization technique. Khandwala SD. **J Reprod Med** 1984 Aug; 29(8):586–8

Modified method of open laparoscopy. Sur S. **J Reprod Med** 1985 May;30(5):421–6

Laparoscopic sonography: a new approach to intraabdominal disease. Frank K, et al. **JCU** 1985 Jan;13(1):60–5

Localization and treatment of nonpalpable testes. Hamidinia A, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):439–41

[Gynecologic celioscopy. Anesthesia technic and prevention of complications] Martin G, et al. **Cah Anesthesiol** 1982 Nov;30(7):933–42 (23 ref.) **(Fre)**

[Per–celioscopic ampullosalpingoscopy] Cornier E. **J Gynecol Obstet Biol Reprod (Paris)** 1985;14(4):459–66 (Eng. Abstr.) **(Fre)**

[Current diagnostic value of laparoscopy] Baumgarten R, et al. **Z Arztl Fortbild (Jena)** 1984;78(20):841–2 **(Ger)**

[Open laparoscopy. Contribution to safe gynecologic laparoscopy] Schollmeyer M. **Zentralbl Gynakol** 1985; 107(10):619–21 (Eng. Abstr.) **(Ger)**

[Technic for laparoscopic microhepatocholecystostomy] Kasum'ian SA. **Klin Khir** 1984 Sep;(9):69–70 **(Rus)**

[Method of dynamic laparoscopy] Perminova GI, et al. **Klin Khir** 1984 Sep;(9):70–1 **(Rus)**

[Laparoscopic operations on the stomach] Prudkov ID, et al. **Vestn Khir** 1984 Dec;133(12):16–9 (Eng. Abstr.) **(Rus)**

[Retroperitoneoscopy in diagnosis of lymphogenic metastases of bladder cancer] Matveev BP, et al. **Vopr Onkol** 1984; 30(8):87–90 (Eng. Abstr.) **(Rus)**

[Pneumoperitoneum by vaginal approach in gynecologic laparoscopy. Results and analysis of 200 cases] Kably Ambe A, et al. **Ginecol Obstet Mex** 1984 Jun;52(326):149–51 (Eng. Abstr.) **(Spa)**

VETERINARY

Laparoscopic technique for the transfer of embryos in sheep. Walker SK, et al. **Aust Vet J** 1985 Mar;62(3):105–6

Collection of embryos from ewes by laparoscopy [letter] McKelvey WA, et al. **Vet Rec** 1984 Aug 18;115(7):158

PERITONEOVENOUS SHUNT see under **VASCULAR SURGERY**

PERITONEUM

Retained surgical sponge after laparotomy. Unusual presentation. Gupta NM, et al. **Dis Colon Rectum** 1985 Jun; 28(6):451–3

The use of peritoneal lavage in the evaluation of penetrating abdominal trauma. Pogoriler G, et al. **J Emerg Med** 1983; 1(1):73–9

Peritoneal irrigation (lavage) and local use of antibiotics in diffuse peritonitis. Bjerkeset T. **Scand J Gastroenterol [Suppl]** 1984;100:35–9

ABNORMALITIES

An anatomical curiosity. Jamieson NV. **Ann R Coll Surg Engl** 1985 Jul;67(4):237

ANATOMY & HISTOLOGY

[The left lateroportal lamina of the pancreas or left retropancreatic lamina] Pissas A. **J Chir (Paris)** 1985 Jan; 122(1):9–15 (Eng. Abstr.) **(Fre)**

[The peritoneum. Anatomical bases] Lierse W. **Chirurg** 1985 Jun;56(6):357–9 **(Ger)**

BLOOD SUPPLY

Histotopographic interrelations of the pathways of blood and lymph microcirculation. Kuprianov VV. **Folia Morphol** 1984;43(2):99–104

CYTOLOGY

Peritoneal neutrophilic cell response in necrotizing enterocolitis. Balcom RJ, et al. **Am J Dis Child** 1985 Jul; 139(7):701–4

Peritoneal mesothelium and ovarian surface cells––shared characteristics. Blaustein A. **Int J Gynecol Pathol** 1984; 3(4):361–75

A cytophotometric method to quantitate the binding of monoclonal antibodies to individual cells. Nibbering PH, et al. **J Histochem Cytochem** 1985 May;33(5):453–9

Interaction of plasma fibronectin (pFN) with membranous constituents of peritoneal exudate cells and pulmonary macrophages. Rovin B, et al. **J Leukocyte Biol** 1984 Nov; 36(5):601–20

Improved chimaeric mouse model confirms that resident peritoneal macrophages are derived solely from bone marrow precursors. Murch AR, et al. **J Pathol** 1984 Oct; 144(2):81–7

DRUG EFFECTS

Beta 2–adrenoceptor agonists reverse the leukotriene C4–induced release response of macrophages. Schenkelaars EJ, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):65–70

INJURIES

Analysis of electronically pulsed versus quasi–continuous wave carbon dioxide lasers in an animal model. Bellina JH, et al. **Am J Obstet Gynecol** 1984 Dec 15;150(8):934–40

METABOLISM

Plasma dextran levels after abdominal instillation of 32% dextran 70: evidence for prolonged intraperitoneal retention. Cleary RE, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):78–9

Penetration of sulbactam–ampicillin and clavulanic acid–amoxicillin into the pelvic peritoneum. Houang ET, et al. **Antimicrob Agents Chemother** 1985 Jul;28(1):165–6

Increased peritoneal permeability in patients with peritonitis undergoing continuous ambulatory peritoneal dialysis. McIntosh ME, et al. **Eur J Clin Pharmacol** 1985; 28(2):187–91

Augmentation of peritoneal dialysis clearance with procaine. Breborowicz A, et al. **Kidney Int** 1984 Oct;26(4):392–6

Permselectivity of the peritoneal membrane. Rippe B, et al. **Microvasc Res** 1985 Jan;29(1):89–102

Effect of chlorpromazine on peritoneal clearances. Indraprasit S, et al. **Nephron** 1985;40(3):341–3

Long–term changes in transperitoneal water transport during continuous ambulatory peritoneal dialysis. Wideröe TE, et al. **Nephron** 1984;38(4):238–47

Peritoneal keratin globules in uterine adenosquamous carcinoma. Williams WD, et al. **South Med J** 1984 Oct; 77(10):1316–8

Permselectivity of the peritoneum to neutral dextrans. Hirszel P, et al. **Trans Am Soc Artif Intern Organs** 1984;30:625–9

[The peritoneum as a dialysis membrane] Grzegorzewska A. **Pol Tyg Lek** 1984 Nov 5;39(45):1493–7 (73 ref.) **(Pol)**

[Role of proteolytic enzymes in the pathogenesis of the toxic syndrome in peritonitis] Sinovets AA, et al. **Vestn Khir** 1985 Jan;134(1):71–3 **(Rus)**

[The effect of drugs on peritoneal dialysis clearance] Djukanović Lj, et al. **Srp Arh Celok Lek** 1984 Jan; 112(1):115–26 (Eng. Abstr.) **(Sec)**

MICROBIOLOGY

Bacterial growth and killing in chronic ambulatory peritoneal dialysis fluids. Verbrugh HA, et al. **J Clin Microbiol** 1984 Aug;20(2):199–203

PARASITOLOGY

Development of Dirofilaria immitis third stage larvae (Nematoda: Filarioidea) in micropore chambers implanted into surrogate hosts. Delves CJ, et al. **Trop Med Parasitol** 1985 Mar;36(1):29–31

PATHOLOGY

Diffuse malignant peritoneal mesothelioma in a 13–year–old girl. Report of a case and review of the literature. Talerman A, et al. **Am J Surg Pathol** 1985 Jan;9(1):73–80

Rat peritoneal implantation test. A new method for tissue toxicity testing of urinary catheters. Talja M. **Br J Urol** 1985 Jun;57(3):329–33

Peritoneal mesothelial cell injury factors in rat cancerous ascites. Kimura A, et al. **Cancer Res** 1985 Sep;45(9):4330–3

[Pathologic–anatomic relations between peritonitis and sepsis] Dauer U, et al. **Chirurg** 1985 Jun;56(6):360–2 (Ger)

[Peritoneum as dialysis membrane—a morphologic study] Korten G. **Z Urol Nephrol** 1984 Dec;77(12):721–7 (Eng. Abstr.) **(Ger)**

[Effectiveness of drainage and lavage of the abdominal cavity with regard to morphological peritoneal changes in peritonitis] Vladimirova ES, et al. **Vestn Khir** 1984 Nov; 133(11):40–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Functional differentiation of rabbit peritoneum. Investigations in vitro. Breborowicz A, et al. **Acta Med Pol** 1984;25(1–4):11–5

The heterotopic effects of visceral pain: behavioural and electrophysiological approaches in the rat. Calvino B, et al. **Pain** 1984 Nov;20(3):261–71

PHYSIOPATHOLOGY

Peritoneal permeability and encapsulating peritonitis [letter] Verger C, et al. **Lancet** 1985 Apr 27;1(8435):986–7

RADIOGRAPHY

Posterior peritoneal recesses: assessment using CT. Rubenstein WA, et al. **Radiology** 1985 Aug;156(2):461–8

Wandering distal ends of ventriculo-peritoneal shunts. Prabhu S, et al. **Z Kinderchir** 1985 Apr;40(2):80–1

RADIONUCLIDE IMAGING

Scintigraphic peritoneography in advanced ovarian malignancies: its value for chemotherapeutic distribution studies. Van Weelde BJ, et al. **Clin Radiol** 1984 Nov; 35(6):465–8

SURGERY

Peritoneal approach to prosthetic mesh repair of paraostomy hernias. Sugarbaker PH. **Ann Surg** 1985 Mar;201(3):344–6

Amikacin concentrations in serum following intraoperative irrigation of the pleura and peritoneum. Van Way CW, et al. **Ann Surg** 1985 Mar;201(3):333–6

Management of the posterior peritoneum after transperitoneal renal surgery. Cieślik R, et al. **Br J Urol** 1985 Jun; 57(3):279–80

The rubber dam as a means to isolate contaminated peritoneal defects after colonic resection. Meijer RW, et al. **Dis Colon Rectum** 1984 Nov;27(11):703–6

Absorption of 17 beta-estradiol in a neovagina constructed from the peritoneum. Willemsen WN, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Apr;19(4):247–53

Primary intracranial germinoma with massive ventriculoperitoneal shunt metastases. Talamo TS, et al. **J Surg Oncol** 1985 Jan;28(1):39–41

Drainage of pericardial effusions using the peritoneal and pericardial window technique. Dabir R, et al. **Surg Gynecol Obstet** 1984 Nov;159(5):485–6

[Intraperitoneal operations in external intestinal fistulas] Askerkhanov RP. **Klin Khir** 1985 Feb;(2):8–9 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

The use of pelvic peritoneum in the construction of a vagina: 10 cases. Tamaya T, et al. **Asia Oceania J Obstet Gynaecol** 1984 Dec;10(4):439–43

[Construction of a vagina using the pelvic peritoneum: analysis of 30 cases] Liu XC, et al. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Mar;20(2):92–5, 126–7 (Eng. Abstr.) **(Chi)**

[Experimental and surgical contribution to the treatment of defects of the abdominal organs and the anastomosis of the digestive tract] Prcić M. **Acta Chir Iugosl** 1984 Mar; 31(2):133–52 (Eng. Abstr.) **(Ser)**

ULTRASTRUCTURE

Peritoneal permeability in the rat: modulation by microfilament-active agents. Alavi N, et al. **Kidney Int** 1985 Feb;27(2):411–9

PERITONITIS

Bile peritonitis. Harris LF, et al. **Ala Med** 1985 Aug; 55(2):48–50

Primary peritonitis in previously healthy children. Freij BJ, et al. **Am J Dis Child** 1984 Nov;138(11):1058–61

[Prenatal diagnosis of fetal meconium peritonitis, therapy and clinical course. With a contribution to the differential diagnosis of fetal ascites] Schlensker KH, et al. **Geburtshilfe Frauenheilkd** 1984 Jul;44(7):435–40 (Eng. Abstr.) **(Ger)**

[Surgical model of acute suppurative peritonitis] Usikov FF, et al. **Khirurgiia (Mosk)** 1984 Aug;(8):127–9 **(Rus)**

BLOOD

Correlation between measured and calculated colloid osmotic pressure. Huerta Torrijos J, et al. **Crit Care Med** 1985 Jun; 13(6):504–5

Serum C-reactive protein concentration in the management of infection in patients treated by continuous ambulatory peritoneal dialysis. Hind CR, et al. **J Clin Pathol** 1985 Apr; 38(4):459–63

The relationships of leucocytes in peripheral blood and in infected and uninfected ascitic fluid. Vinel JP, et al. **Neth J Med** 1984;27(7):253–7

[Integral oxygen metabolic indices of middle-aged and elderly patients in the course of different phases of peritonitis] Arkatov VA, et al. **Anesteziol Reanimatol** 1985 Mar–Apr;(2):33–4 (Eng. Abstr.) **(Rus)**

[Regulation of the oxygen metabolism of peritonitis patients in the acute period] Golikov PP, et al. **Anesteziol Reanimatol** 1985 Mar–Apr;(2):30–2 (Eng. Abstr.) **(Rus)**

[Blood plasma proteins studied by disc electrophoresis during the treatment of peritonitis] Abramov AK, et al. **Klin Khir** 1985 Jan;(1):70 **(Rus)**

[ATP and 2,3-DPG concentrations in the erythrocytes of peritonitis patients] Taranenko LD, et al. **Klin Khir** 1985 Jan;(1):19–20 (Eng. Abstr.) **(Rus)**

[Endogenous toxemia in acute peritonitis] Shurkalin BK, et al. **Sov Med** 1985;(4):83–5 **(Rus)**

[Hemorheologic disorders in septic shock in peritonitis] Savel'ev VS, et al. **Vestn Akad Med Nauk SSSR** 1984; (10):36–42 **(Rus)**

CHEMICALLY INDUCED

Barium peritonitis. Report of a case and review of the literature. Yamamura M, et al. **Dis Colon Rectum** 1985 May; 28(5):347–52

Cytosine-arabinoside-induced colitis and peritonitis: nonoperative management. Johnson H, et al. **J Clin Oncol** 1985 May;3(5):607–12

Reversal of cyclosporine-induced mortality with a synthetic polymeric immunostimulant in a murine model of fecal peritonitis. Moffat FL, et al. **Transplantation** 1985 Apr; 39(4):369–74

CLASSIFICATION

Surgical infection stratification system for intra-abdominal infection. Multicenter trial. Dellinger EP, et al. **Arch Surg** 1985 Jan;120(1):21–9

[Clinical classification of acute peritonitis (on the article by Skobelkin, Korepanov and Brekhov, 'Various disputable problems of etiology, pathogenesis and treatment of diffuse peritonitis')] Betaneli AM, et al. **Vestn Khir** 1984 Aug; 133(8):145 **(Rus)**

COMPLICATIONS

Spontaneous bacterial peritonitis associated with cardiac ascites. Runyon BA. **Am J Gastroenterol** 1984 Oct; 79(10):796

Comparison of prosthetic materials for abdominal wall reconstruction in the presence of contamination and infection. Brown GL, et al. **Ann Surg** 1985 Jun; 201(6):705–11

Decreased intraperitoneal insulin requirements during peritonitis on continuous ambulatory peritoneal dialysis. Henderson IS, et al. **Br Med J [Clin Res]** 1985 May 18; 290(6480):1474

Spontaneous Yersinia enterocolitica peritonitis in idiopathic hemochromatosis. Capron JP, et al. **Gastroenterology** 1984 Dec;87(6):1372–5

Vancomycin, red neck syndrome, and fits [letter] Bailie GR, et al. **Lancet** 1985 Aug 3;2(8449):279–80

[Experience with intubation of the small intestine in advanced suppurative inflammations of the peritoneum in childhood] Hovorka F, et al. **Rozhl Chir** 1984 Nov;63(11):726–31 (Eng. Abstr.) **(Cze)**

[Control of the intragastric pH value in infection and peritonitis by ranitidine versus cimetidine. A double-blind study] Ketterl R, et al. **Z Gastroenterol** 1984 Oct; 22(10):602–8 (Eng. Abstr.) **(Ger)**

[Hemorrhage caused by gallbladder perforation with coexistent Escherichia coli infection] Jonecko A, et al. **Wiad Lek** 1984 Jun 1;37(11):877–80 (Eng. Abstr.) **(Pol)**

[Disorders of the acid-excretory function of the kidneys in middle-aged and old patients with peritonitis] Chepkii LP, et al. **Anesteziol Reanimatol** 1984 Nov–Dec;(6):35–7 (Eng. Abstr.) **(Rus)**

[Infectious-toxic shock in suppurative peritonitis] Gel'fand BR. **Anesteziol Reanimatol** 1984 Sep–Oct;(5):25–30 (Eng. Abstr.) **(Rus)**

[Gastric resection in 4 complications of duodenal ulcer in the presence of peritonitis] Ovchinnikov VA, et al. **Khirurgiia (Mosk)** 1985 Feb;(2):129 **(Rus)**

[Endogenous intoxication in peritonitis (review of the literature)] Kriger AG, et al. **Vestn Khir** 1985 Mar; 134(3):130–3 (42 ref.) **(Rus)**

DIAGNOSIS

Peritoneal lavage as an aid to diagnosis of peritonitis in debilitated and elderly patients. Lobbato V, et al. **Am Surg** 1985 Sep;51(9):508–10

First exchange neutrophilia: an index of peritonitis during chronic intermittent peritoneal dialysis. Riera G, et al. **Clin Nephrol** 1985 Jul;24(1):5–8

Ascitic fluid pH in alcoholic cirrhosis: a reevaluation of its use in the diagnosis of spontaneous bacterial peritonitis. Scemama-Clergue J, et al. **Gut** 1985 Apr;26(4):332–5

The diagnosis of bacterial peritonitis: comparison of pH, lactate concentration and leukocyte count. Garcia-Tsao G, et al. **Hepatology** 1985 Jan–Feb;5(1):91–6

Culture-negative neutrocytic ascites: a variant of spontaneous bacterial peritonitis. Runyon BA, et al. **Hepatology** 1984 Nov–Dec;4(6):1209–11

Culture-negative neurocytic ascites [letter] Sell TL. **Hepatology** 1985 Sep–Oct;5(5):911

White count, pH and lactate in ascites in the diagnosis of spontaneous bacterial peritonitis. Yang CY, et al. **Hepatology** 1985 Jan–Feb;5(1):85–90

Primary omental torsion presenting as acute peritonitis [letter] Chaudhary A, et al. **Indian J Gastroenterol** 1985 Jan;4(1):53

Early diagnosis of peritoneal infection by simultaneous measurement of lactate concentration in peritoneal fluid and blood. Reynaert MS, et al. **Intensive Care Med** 1984; 10(6):301–4

Microbiological diagnosis of peritonitis in patients on continuous ambulatory peritoneal dialysis. Vas SI, et al. **J Clin Microbiol** 1985 Apr;21(4):522–3

Detection of gram-negative bacteremia by limulus amebocyte lysate assay: evaluation in a rat model of peritonitis. du Moulin GC, et al. **J Infect Dis** 1985 Jan; 151(1):148–52

Fibroadhesive meconium peritonitis: in utero sonographic diagnosis. Nancarrow PA, et al. **J Ultrasound Med** 1985 Apr;4(4):213–5

Sonographic demonstration of the progression of meconium peritonitis. Williams J 3d, et al. **Obstet Gynecol** 1984 Dec; 64(6):822–6

Scrotal masses caused by meconium peritonitis: prenatal sonographic diagnosis. Kenney PJ, et al. **Radiology** 1985 Feb;154(2):362

The diagnosis of peritonitis. Skarstein A. **Scand J Gastroenterol [Suppl]** 1984;100:16–8

A simple diagnostic method of peritonitis in patients on CAPD. Brahm M. **Scand J Urol Nephrol** 1984;18(3):223–5

[Localized intestinal lymphangiectases presenting as peritonitis] Deixonne B, et al. **Ann Gastroenterol Hepatol (Paris)** 1985 Jan;21(1):41–3 (Eng. Abstr.) **(Fre)**

[The Fitz-Hugh-Curtis syndrome. Apropos of an unusual hepatic ultrasonic aspect] Saint D, et al. **J Radiol** 1984 Jun–Jul;65(6–7):477–80 (Eng. Abstr.) **(Fre)**

[Ileus and peritonitis] Kern E, et al. **Dtsch Med Wochenschr** 1985 Sep 27;110(39):1501–2 **(Ger)**

[Ultrasonographic demonstration of appendicitis peritonitis with paralytic ileus] Takada T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 May;82(5):1394–7 **(Jpn)**

[Diseases of the epiploic appendages] Korite VP. **Khirurgiia (Mosk)** 1984 Dec;(12):26–8 (Eng. Abstr.) **(Rus)**

[Acute cholecystitis complicated by peritonitis in middle-aged and elderly patients] Khadzhibaev M, et al. **Klin Khir** 1984 Sep;(9):26–9 (Eng. Abstr.) **(Rus)**

[Diagnosis of early postoperative complications in pediatric abdominal surgery] Kharchenko DM, et al. **Klin Khir** 1985; (6):44–6 (Eng. Abstr.) **(Rus)**

[Integral indicators in the diagnosis and prognosis of infection] Bilibin AF, et al. **Sov Med** 1984;(7):39–42 (Eng. Abstr.) **(Rus)**

[Laparoscopic diagnosis of early complications of abdominal surgery] Sokolov LK, et al. **Sov Med** 1984;(7):96–9 **(Rus)**

[Clinico-enzymological aspects of peritonitis as a special form of inflammation] Eriukhin IA, et al. **Vestn Khir** 1985 Apr; 134(4):49–53 (Eng. Abstr.) **(Rus)**

[An abdominal form of pseudotuberculosis simulating acute appendicitis] Iaremchuk AIa, et al. **Vestn Khir** 1984 Aug; 133(8):75 **(Rus)**

DRUG THERAPY

Role of amikacin in the management of intra-abdominal sepsis. Dougherty SH. **Am J Med** 1985 Jul 15;79(1A):28–36 (81 ref.)

Ceftriaxone versus gentamicin and clindamycin for polymicrobial surgical sepsis [letter] Regamey C, et al. **Am J Surg** 1984 Oct 19;148(4A):42–3

Pentoxifylline in the treatment of experimental peritonitis in rats. Chalkiadakis GE, et al. **Arch Surg** 1985 Oct; 120(10):1141–4

Stratified outcome comparison of clindamycin-gentamicin vs chloramphenicol-gentamicin for treatment of intra-abdominal sepsis. Lennard ES, et al. **Arch Surg** 1985 Aug;120(8):889–98

Reliability of criteria for predicting persistent or recurrent sepsis. Stone HH, et al. **Arch Surg** 1985 Jan;120(1):17–20

Towards a rational approach to the treatment of peritonitis: an experimental study in rats. McAvinchey DJ, et al. **Br J Surg** 1984 Sep;71(9):715–7

Treatment of peritonitis [letter] Rosin RD. **Br J Surg** 1985 Apr;72(4):326

Antibiotic treatment during surgery for diffuse peritonitis: a prospective randomized study comparing the effects of cefuroxime and of a cefuroxime and metronidazole combination. Törnqvist A, et al. **Br J Surg** 1985 Apr; 72(4):261–4

Intraperitoneal vancomycin and ceftazidime in the treatment of CAPD peritonitis. Gray HH, et al. **Clin Nephrol** 1985 Feb;23(2):81–4

Oral treatment of peritonitis complicating continuous ambulatory peritoneal dialysis. Searle M, et al. **Clin Nephrol** 1985 May;23(5):241–4

Therapeutic experience with temocillin in peritonitis. Pfeiffer

M, et al. **Drugs** 1985;29 Suppl 5:194-6

Low-dose heparin in experimental peritonitis. Gupta S, et al. **Eur Surg Res** 1985;17(3):167-72

Short-term antibiotherapy for peritonitis: prospective, randomized trial comparing cefotaxime-metronidazole and clindamycin-tobramycin. Biron S, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl B:213-6

Vancomycin and netilmicin as first line treatment of peritonitis in CAPD patients. Brauner L, et al. **J Antimicrob Chemother** 1985 Jun;15(6):751-8

Vancomycin in the treatment of CAPD peritonitis [letter] Maskell R, et al. **J Antimicrob Chemother** 1985 May; 15(5):647-8

Laboratory studies on coagulase-negative staphylococci from CAPD-associated peritonitis. Wilcox MH, et al. **J Antimicrob Chemother** 1985 Mar;15(3):297-303

Evaluation of the use of a protocol in the antimicrobial treatment of intra-abdominal sepsis. Smith JA, et al. **J Hosp Infect** 1985 Mar;6(1):60-4

Enhanced survival in antibiotic-treated murine fecal peritonitis by administration of copovithane, a selective immunostimulative polymer. Moffat FL, et al. **J Surg Res** 1985 May;38(5):494-500

Allergy, red man syndrome, and vancomycin [letter] Cole DR, et al. **Lancet** 1985 Aug 3;2(8449):280

Once-daily antibiotic treatment of CAPD peritonitis [letter] Gruer LD, et al. **Lancet** 1984 Dec 1;2(8414):1282-3

Pharmacokinetics of intraperitoneal cefotaxime treatment of peritonitis in patients on continuous ambulatory peritoneal dialysis. Petersen J, et al. **Nephron** 1985;40(1):79-82

Different antimicrobial agents in treatment and prophylaxis of experimentally induced intraabdominal sepsis. Lahnborg G, et al. **Scand J Gastroenterol [Suppl]** 1984;100:10-5

Comparative study of netilmicin/tinidazole versus netilmicin/clindamycin in the treatment of severe abdominal infections. Henning C, et al. **Scand J Infect Dis** 1984;16(3):297-303

Antibiotic treatment of infectious peritonitis in chronic peritoneal dialysis. Kolmos HJ. **Scand J Infect Dis** 1985; 17(2):219-24

The effect of peritonitis on the distribution of cefuroxime in patients undergoing continuous ambulatory peritoneal dialysis. McIntosh ME, et al. **Scott Med J** 1984 Apr; 29(2):117-8

Peritoneal lavage with metronidazole. Saha SK. **Surg Gynecol Obstet** 1985 Apr;160(4):335-8

Endotoxemia induced by antibiotic therapy: a mechanism for adrenal corticosteroid protection in gram-negative sepsis. Johnston CA, et al. **Trans Assoc Am Physicians** 1984; 97:172-81

[Peritonitis in renal failure patients treated by continuous ambulatory peritoneal dialysis. Treatment by intraperitoneal administration of a group M penicillin] Pierre D, et al. **Presse Med** 1985 Jun 29;14(26):1413-6 (Eng. Abstr.) **(Fre)**

[Significance of the causative agent of infection for therapy of purulent peritonitis] Wittmann DH, et al. **Chirurg** 1985 Jun;56(6):363-70 **(Ger)**

[Synergism between antibiotics and immunoglobulins in peritonitis in animal experiments] Frick S, et al. **Helv Chir Acta** 1985 Apr;52(1):143-7 (Eng. Abstr.) **(Ger)**

[Effect of cisplatin (CDDP) against peritonitis carcinomatosa in nude mice inoculated intraperitoneally with human gastric cancer] Takao S, et al. **Gan To Kagaku Ryoho** 1985 Aug;12(8):1638-43 (Eng. Abstr.) **(Jpn)**

[Clinical effect of cephems: cefoperazone in the treatment of postoperative infections] Idegami K, et al. **Jpn J Antibiot** 1984 May;37(5):823-8 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical studies on sulbactam/cefoperazone in the field of obstetrics and gynecology] Nakamura H, et al. **Jpn J Antibiot** 1984 Oct;37(10):1956-63 (Eng. Abstr.) **(Jpn)**

[Efficacy of using thymalin in different types of peritonitis in obstetrical practice] Kuznik BI, et al. **Akush Ginekol (Mosk)** 1984 Sep;(9):50-2 (Eng. Abstr.) **(Rus)**

[Use of thymalin in the treatment of diffuse suppurative peritonitis] Kokotov IuK, et al. **Khirurgiia (Mosk)** 1984 Aug;(8):12-5 (Eng. Abstr.) **(Rus)**

[Administration of medications via a lymphatic vessel in the treatment of diffuse peritonitis and sepsis] Pristaiko Ial. **Vestn Khir** 1985 Jan;134(1):68-70 (Eng. Abstr.) **(Rus)**

[Role of proteolytic enzymes in the pathogenesis of the toxic syndrome in peritonitis] Sinovets AA, et al. **Vestn Khir** 1985 Jan;134(1):71-3 **(Rus)**

[Metronidazole in the treatment of peritonitis of appendiceal origin] Ziman P, et al. **Rozhl Chir** 1984 Sep;63(8-9):606-10 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

[In vivo activity of drug-metabolizing enzymes in various pathological conditions] Krakovskiĭ ME, et al. **Vopr Med Khim** 1985 Jan-Feb;31(1):76-9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Human serum and plasma increase mouse mortality in Staphylococcus aureus intraperitoneal infection. Espersen F, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Dec;92(6):305-10

Effect of human IgG and fibrinogen on Staphylococcus aureus intraperitoneal infection in mice. Espersen F, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Dec; 92(6):311-7

Bacterial flora in *peritoneal suppurations. Závadová M,* et al. **Acta Univ Carol [Med] (Praha)** 1983;29(5-6):353-71

Implication of Yersinia species in primary peritonitis [letter] Chiesa C, et al. **Am J Dis Child** 1985 Aug;139(8):751-2

Peritonitis in children undergoing continuous ambulatory peritoneal dialysis. Powell D, et al. **Am J Dis Child** 1985 Jan;139(1):29-32

Pasteurella multocida septicemia and peritonitis in a patient with cirrhosis: case report and review of the literature. Vakil N, et al. **Am J Gastroenterol** 1985 Jul;80(7):565-8

Spontaneous Vibrio vulnificus peritonitis and primary sepsis in two patients with alcoholic cirrhosis. Wongpaitoon V, et al. **Am J Gastroenterol** 1985 Sep;80(9):706-8

Torulopsis glabrata peritonitis complicating continuous ambulatory peritoneal dialysis: successful management with oral 5-fluorocytosine. Cecchin E, et al. **Am J Kidney Dis** 1984 Nov;4(3):280-4

Tenckhoff catheter obstruction resulting from invasion by Curvularia lunata in the absence of peritonitis. DeVault GA Jr, et al. **Am J Kidney Dis** 1985 Aug;6(2):124-7

Infectious peritonitis in patients receiving intraperitoneal chemotherapy. Kaplan RA, et al. **Am J Med** 1985 Jan; 78(1):49-53

Fungal peritonitis in patients on peritoneal dialysis: incidence, clinical features and prognosis. Johnson RJ, et al. **Am J Nephrol** 1985;5(3):169-75

Consequences of intraperitoneal bile: bile ascites versus bile peritonitis. Ackerman NB, et al. **Am J Surg** 1985 Feb; 149(2):244-6

Surgical complications of peritoneal dialysis catheters. Fleisher AG, et al. **Am J Surg** 1985 Jun;149(6):726-9

Fibrosing peritonitis in a drug abuser. Castelli MJ, et al. **Arch Pathol Lab Med** 1985 Aug;109(8):767-9

Peritonitis due to intraperitoneal perforation of infected urachal cysts. Agatstein EH, et al. **Arch Surg** 1984 Nov; 119(11):1269-73

Ambulatory peritoneal dialysis. Exploratory laparotomy for peritonitis. Schulak JA, et al. **Arch Surg** 1984 Dec; 119(12):1400-4

What is the actual incidence of peritonitis in maintenance peritoneal dialysis? A prospective study. Gotloib L, et al. **Artif Organs** 1985 May;9(2):160-3

Emergency surgery for diverticular disease complicated by generalized and faecal peritonitis: a review. Krukowski ZH, et al. **Br J Surg** 1984 Dec;71(12):921-7 (81 ref.)

Spontaneous intraperitoneal rupture of pyonephrosis during pregnancy. Egwuatu VE. **Br J Urol** 1984 Apr;56(2):224-5

Factors affecting development of peritonitis in continuous ambulatory peritoneal dialysis. Goodship TH, et al. **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1485-6

Peritonitis due to Streptococcus viridans in patients receiving continuous ambulatory peritoneal dialysis. Kiddy K, et al. **Br Med J [Clin Res]** 1985 Mar 30;290(6473):969-70

Chlamydial perihepatitis (Curtis-Fitz-Hugh syndrome) after hydrotubation [letter] Shanahan D, et al. **Br Med J [Clin Res]** 1984 Oct 27;289(6452):1145-6

Sclerosing peritonitis with mural bowel fibrosis in a patient on long-term CAPD. Hauglustaine D, et al. **Clin Nephrol** 1984 Sep;22(3):158-62

Abdominal pseudocyst; the cause of repeated peritonitis during continuous ambulatory peritoneal dialysis (CAPD) [letter] Joffe P, et al. **Clin Nephrol** 1985 Jun;23(6):319-20

Diphtheroid peritonitis associated with continuous ambulatory peritoneal dialysis. Leung AC, et al. **Clin Nephrol** 1984 Oct;22(4):200-5

Sclerosing obstructive peritonitis after continuous ambulatory peritoneal dialysis in 3 patients [letter] Sabatier JC, et al. **Clin Nephrol** 1985 May;23(5):266

CAPD is a second-class treatment. Shaldon S, et al. **Contrib Nephrol** 1985;44:163-72

Sigmoid diverticulitis with perforation and generalized peritonitis. Nagorney DM, et al. **Dis Colon Rectum** 1985 Feb;28(2):71-5

Bactericidal activity of ascitic fluid in patients with nephrotic syndrome. Akalin HE, et al. **Eur J Clin Invest** 1985 Jun; 15(3):138-40

Abdominal infections caused by Streptococcus pneumoniae [letter] Denis F, et al. **Eur J Clin Microbiol** 1984 Oct; 3(5):443

Yersinia enterocolitica peritonitis [letter] Boemi G, et al. **Gastroenterology** 1985 Oct;89(4):927-8

Spontaneous bacterial peritonitis caused by Neisseria gonorrhoeae. Evidence for a transfallopian route of infection. Stassen WN, et al. **Gastroenterology** 1985 Mar; 88(3):804-7

Fitz-Hugh and Curtis syndrome in a homosexual man with impaired cell mediated immunity. Winkler WP, et al. **Gastrointest Endosc** 1985 Feb;31(1):28-30

Unusual presentation of chlamydial peritonitis: case report. Duffy S, et al. **Genitourin Med** 1985 Jun;61(3):202-3

Spontaneous bacterial peritonitis. Crossley IR, et al. **Gut** 1985 Apr;26(4):325-31 (70 ref.)

Girth increase, sudden pain in a cardiac patient. Talcott J. **Hosp Pract [Off]** 1985 Jan 15;20(1):163-4

Perforation of extrahepatic biliary tract producing bile peritonitis. Wig JD, et al. **Indian J Gastroenterol** 1984 Oct; 3(4):205-7

Peritonitis from automated peritoneal dialysis. Hamory BH, et al. **Infect Control** 1984 Dec;5(12):559-61

Perihepatitis (Fitz-Hugh--Curtis syndrome). A review and case presentation. Ris HW. **J Adolesc Health Care** 1984 Oct;5(4):272-6 (27 ref.)

Gastrointestinal tract involvement in Wegener's granulomatosis. Singh S, et al. **J Assoc Physicians India** 1985 Feb;33(2):180-1

Three more cases of lint (exogenous) peritonitis [letter] Liebowitz D, et al. **J Clin Gastroenterol** 1985 Apr; 7(2):187-8

Fungal peritonitis caused by Lecythophora mutabilis. Ahmad S, et al. **J Clin Microbiol** 1985 Aug;22(2):182-6

Pseudomonas paucimobilis peritonitis in patients treated by peritoneal dialysis. Glupczynski Y, et al. **J Clin Microbiol** 1984 Dec;20(6):1225-6

Unusual bacterium, group Ve-2, causing peritonitis in a patient on continuous ambulatory peritoneal dialysis. Silver MR, et al. **J Clin Microbiol** 1985 May;21(5):838-9

Infective complications of peritoneal dialysis. Spencer RC, et al. **J Hosp Infect** 1984 Sep;5(3):233-40 (50 ref.)

Campylobacter fetus peritonitis followed by septicaemia in a patient on continuous ambulatory peritoneal dialysis. Wens R, et al. **J Infect** 1985 May;10(3):249-51

Pseudoappendicitis of neurosurgical origin [letter] Moskopp D. **J Neurosurg** 1984 Nov;61(5):994

Peritonitis with continuous ambulatory peritoneal dialysis and continuous cycling peritoneal dialysis. Warady BA, et al. **J Pediatr** 1984 Nov;105(5):726-30

Hemophilus influenza primary peritonitis in an infant: report of a case. Moore JL, et al. **J Pediatr Surg** 1984 Oct; 19(5):594-5

Peritonitis and abdominal free air due to intraperitoneal bladder perforation associated with indwelling urethral catheter drainage. Merguerian PA, et al. **J Urol** 1985 Oct; 134(4):747-50

Maternal vernix caseosa peritonitis following premature rupture of fetal membranes. Schwartz IS, et al. **JAMA** 1985 Aug 16;254(7):948-50

Continuous ambulatory and continuous cycling peritoneal dialysis in children. A report of the Southwest Pediatric Nephrology Study Group. **Kidney Int** 1985 Mar; 27(3):558-64

Peritoneal permeability and encapsulating peritonitis [letter] Verger C, et al. **Lancet** 1985 Apr 27;1(8435):986-7

Spontaneous pneumococcal peritonitis: late infection after bone-marrow transplantation [letter] Juliá A, et al. **N Engl J Med** 1985 Feb 28;312(9):587

Chemotherapy and/or removal of the peritoneal catheter in the management of fungal peritonitis complicating CAPD? [letter] Cecchin E, et al. **Nephron** 1985;40(2):251-2

Association between human lymphocyte antigens B8, DR3 and response to peritonitis in patients undergoing continuous ambulatory peritoneal dialysis [letter] Giacchino F, et al. **Nephron** 1985;40(4):496-7

Chronic peritoneal dialysis: mechanical and infectious complications. Swartz RD. **Nephron** 1985;40(1):29-37

Ketoconazole treatment of Candida peritonitis during continuous peritoneal dialysis. Akl K, et al. **Pediatr Infect Dis** 1984 Sep-Oct;3(5):487

Fungal peritonitis in children undergoing peritoneal dialysis. Oh SH, et al. **Pediatr Infect Dis** 1985 Jan-Feb;4(1):62-6

Spontaneous perforation of a pyometra presenting as generalized peritonitis. Hosking SW. **Postgrad Med J** 1985 Jul;61(717):645-6

Peritonitis in the immunosuppressed female--possible role of the IUCD [letter] O'Donnell D, et al. **S Afr Med J** 1985 Aug 3;68(3):136-7

Secondary peritonitis--a major clinical problem. Giercksky KE. **Scand J Gastroenterol [Suppl]** 1984;100:3-5

Secondary peritonitis--a balance between contamination and host defence mechanisms. Revhaug A. **Scand J Gastroenterol [Suppl]** 1984;100:7-9

Peritonitis due to Pseudomonas paucimobilis during ambulatory peritoneal dialysis [letter] Baddour LM, et al. **South Med J** 1985 Mar;78(3):366

Perforation of the gastrointestinal tract and peritonitis in the neonate. Bell MJ. **Surg Gynecol Obstet** 1985 Jan;160(1):20-6

Effect of peritoneal access devices on the incidence of peritonitis. Ash SR. **Trans Am Soc Artif Intern Organs** 1984; 30:686-90

Staph aureus peritonitis in patients on continuous ambulatory peritoneal dialysis. Kim D, et al. **Trans Am Soc Artif Intern Organs** 1984;30:494-7

Etiology and treatment of peritonitis. Vas SI. **Trans Am Soc Artif Intern Organs** 1984;30:682-4

Acute scrotal lesion secondary to barium peritonitis in an infant. Grable MS, et al. **Urology** 1985 May;25(5):499-501

Infected and ruptured urachal cyst causing peritonitis. Savanelli A, et al. **Z Kinderchir** 1984 Aug;39(4):267-8

[Pitfalls in childhood peritonitis] Novotná E. **Rozhl Chir** 1984 Nov;63(11):774-7 (Eng. Abstr.) **(Cze)**

[An interesting case of urinary peritonitis] Salda S, et al. **Rozhl Chir** 1984 Sep;63(8-9):603-5 (Eng. Abstr.) **(Cze)**

[Spontaneous bacterial peritonitis. Is it an overlooked complication of ascites?] Svendsen JH, et al. **Ugeskr Laeger** 1985 Mar 25;147(13):1098-101 (Eng. Abstr.) **(Dan)**

[Pneumococcal peritonitis] Legrand JC, et al. **Acta Clin Belg** 1985;40(3):194-7 (Eng. Abstr.) **(Fre)**

[Peritonitis caused by colonic perforation. Review of 34 cases observed during the last 4 years] Arsac M, et al.

NEWARK PUBLIC LIBRARY

Chirurgie 1984;110(6-7):675-8 **(Fre)**

[Generalized peritonitis of colonic origin] Chapuis Y, et al. **Chirurgie** 1984;110(10):834-7 **(Fre)**

[Generalized peritonitis caused by perforation of diverticular sigmoiditis] Langlois P, et al. **Chirurgie** 1984;110(10):829-30 **(Fre)**

[Acute generalized peritonitis caused by diverticular sigmoiditis] Loygue J, et al. **Chirurgie** 1984;110(8-9):788-9 **(Fre)**

[Peritonitis caused by sigmoid diverticula. Initial therapeutic attitude] Olivier A, et al. **Chirurgie** 1984;110(6-7):672-4 **(Fre)**

[Peritonitis of colonic origin caused by diverticular perforation. Analysis of 33 cases] Richelme H, et al. **Chirurgie** 1984;110(10):831-3 **(Fre)**

[Peritonitis caused by sigmoid diverticular perforation] Rousseau B, et al. **Chirurgie** 1984;110(10):838-9 **(Fre)**

[Generalized peritonitis caused by perforation of a sigmoid diverticulitis. Retrospective study of 37 cases] Stoppa R, et al. **Chirurgie** 1984;110(6-7):668-9 **(Fre)**

[Stercoral peritonitis caused by sigmoid diverticula. Apropos of 29 cases] Testas P, et al. **Chirurgie** 1984;110(6-7):670-1 **(Fre)**

[Peritonitis following cesarean section. Report of 2 cases. The value of laparostomy] Steiner E, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1984;13(5):565-8 (Eng. Abstr.) **(Fre)**

[Replacement of the peritoneal dialysis catheter in persistent peritonitis in continuous ambulatory peritoneal dialysis] Marichal JF, et al. **Nephrologie** 1985;6(1):7-10 (Eng. Abstr.) **(Fre)**

[Spontaneous Aeromonas hydrophila peritonitis in the cirrhotic. Apropos of 2 cases] Bercoff E, et al. **Rev Med Interne** 1985 Jan;6(1):62-4 **(Fre)**

[Postoperative peritonitis. Analytic study of 26 cases] Ben Halima T, et al. **Tunis Med** 1984 Nov;62(7):535-41 (Eng. Abstr.) **(Fre)**

[Pneumoperitoneum in appendicular peritonitis (apropos of 4 case reports)] Fodha M, et al. **Tunis Med** 1984 Jul-Aug; 62(4):279-81 (Eng. Abstr.) **(Fre)**

[Etiopathogenesis of infiltrating cholecystopathy. Experimental research. Preliminary notes on technic and basic findings] Borghese M, et al. **Ann Ital Chir** 1984; 56(3):307-20 (Eng. Abstr.) **(Ita)**

[Generalized postoperative peritonitis: the meeting of surgery and resuscitation] Garbini A, et al. **Chir Ital** 1982 Dec; 34(6):972-9 (Eng. Abstr.) **(Ita)**

[Biliary peritonitis] Lago TF, et al. **Chir Ital** 1984 Aug; 36(4):479-571 (Eng. Abstr.) **(Ita)**

[Biliary peritonitis] Zambon M, et al. **Chir Ital** 1983 Aug; 35(4):591-9 (Eng. Abstr.) **(Ita)**

[Biliary peritonitis in the course of acute cholecystopathy. Analysis of 10 cases] Arganini E, et al. **Minerva Chir** 1984 Jul 15-31;39(13-14):1051-5 (Eng. Abstr.) **(Ita)**

[Primary bacterial peritonitis in ascitic cirrhosis patients] Bertoncini M, et al. **Minerva Chir** 1985 May 31;40(10):743-6 (Eng. Abstr.) **(Ita)**

[Biliary peritonitis without perforation] Nocita E, et al. **Minerva Chir** 1984 Jul 15-31;39(13-14):1047-50 (Eng. Abstr.) **(Ita)**

[Spontaneous bacterial peritonitis as a clinical manifestation of compensated hepatic cirrhosis] Parisi GC, et al. **Minerva Dietol Gastroenterol** 1985 Jan-Mar;31(1):33-5 (Eng. Abstr.) **(Ita)**

[Late postoperative peritonitis. After subtotal colectomy for ulcerative colitis] Andersen KS, et al. **Tidsskr Nor Laegeforen** 1984 Sep 30;104(27):1917-8 (Eng. Abstr.) **(Nor)**

[Primary peritonitis] Bjerke K, et al. **Tidsskr Nor Laegeforen** 1985 Jun 30;105(19-21):1307-8 (Eng. Abstr.) **(Nor)**

[Peritonitis in patients with renal failure treated with peritoneal dialysis] Panasiuk E, et al. **Pol Arch Med Wewn** 1984 Apr;71(4):221-9 (Eng. Abstr.) **(Pol)**

[Intraperitoneal abscesses] Kamiński P, et al. **Pol Tyg Lek** 1984 Sep 10;39(37):1233-6 (Eng. Abstr.) **(Pol)**

[Intraperitoneal rupture of the bladder with inflammatory changes in its wall] Grigorjew A. **Wiad Lek** 1985 Jan 15; 38(2):143-4 (Eng. Abstr.) **(Pol)**

[Etiopathogenic and therapeutic aspects of peritonitis cases with delayed hospitalization] Buşu I, et al. **Rev Chir [Chir]** 1984 Nov-Dec;33(6):409-15 (Eng. Abstr.) **(Rum)**

[Primary hydatid cyst of the great epiploon with spontaneous rupture. Hydatid peritonitis] Ionescu A, et al. **Rev Chir [Chir]** 1985 Jan-Feb;34(1):53-6 (Eng. Abstr.) **(Rum)**

[Early complications of surgical treatment of tumors of the liver, biliary tract and pancreas] Nikhinson RA. **Khirurgiia (Mosk)** 1984 Jul;(7):105-9 **(Rus)**

[Role of anaerobic non-clostridial microflora in peritonitis] Tsatsanidi KN, et al. **Khirurgiia (Mosk)** 1985 Apr;(4):56-8 (Eng. Abstr.) **(Rus)**

[Early complications after operations on the large intestine] Myshkin KI, et al. **Klin Khir** 1985 Feb;(2):32-3 (Eng. Abstr.) **(Rus)**

[Intestinal fistulas as a cause of abdominal abscesses] Poliakov NG, et al. **Klin Khir** 1985 Feb;(2):26-7 (Eng. Abstr.) **(Rus)**

[Spontaneous peritonitis caused by Campylobacter jejuni in a cirrhotic patient (letter)] Domingo P, et al. **Med Clin (Barc)** 1985 Mar 16;84(10):416 **(Spa)**

[Pneumococcal peritonitis in the nephrotic syndrome (letter)] Galicia Basart MA, et al. **Med Clin (Barc)** 1985 Feb 9; 84(5):207 **(Spa)**

[Peritonitis encapsulans in a patient with lobular panniculitis and changes of pancreatic secretion] Herrerias JM, et al. **Rev Esp Enferm Apar Dig** 1984 Dec;66(6):539-42 (Eng. Abstr.) **(Spa)**

[Bacterial peritonitis in 29 cirrhotic patients] Marin P, et al. **Rev Med Chil** 1984 Oct;112(10):982-8 (Eng. Abstr.) **(Spa)**

[Genital chlamydia infection causing acute periappendicitis and acute pericolitis] Thornell E, et al. **Lakartidningen** 1985 Mar 6;82(10):857 **(Swe)**

IMMUNOLOGY

Opsonic activity of human ascitic fluid: a potentially important protective mechanism against spontaneous bacterial peritonitis. Runyon BA, et al. **Hepatology** 1985 Jul-Aug;5(4):634-7

Effects of Escherichia coli and Bacteroides fragilis on peritoneal host defenses. Dunn DL, et al. **Infect Immun** 1985 May;48(2):287-91

Comparative sensitivity of different serological tests for detecting chlamydial antibodies in perihepatitis. Puolakkainen M, et al. **J Clin Pathol** 1985 Aug;38(8):929-32

Blood and peritoneal neutrophil (PMN) adherence in rabbits: the effects of hemoglobin, peritoneal fluid, and infection. Freischlag J, et al. **J Surg Res** 1985 Jun;38(6):635-40

Adverse effect of splenectomy in experimental peritonitis. Moustoukas N, et al. **J Surg Res** 1985 Jun;38(6):574-81

Peritonitis during continuous ambulatory peritoneal dialysis: the role of host defense mechanisms. Keane WF, et al. **Trans Am Soc Artif Intern Organs** 1984;30:684-6

[Lymphocyte subpopulations (T4-T8) in postoperative peritonitis (letter)] Eustache ML, et al. **Presse Med** 1984 Dec 22;13(46):2813 **(Fre)**

[Prognostic value of several indices of immunologic and nonspecific reactivity in postoperative peritonitis] Sorokina MI, et al. **Khirurgiia (Mosk)** 1984 Aug;(8):15-22 (Eng. Abstr.) **(Rus)**

[Characteristics of early immunological shifts in peritonitis patients] Drobkov LZ, et al. **Klin Khir** 1985 Jan;(1):17-8 (Eng. Abstr.) **(Rus)**

METABOLISM

Early physiologic changes in canine fecal peritonitis. Jorge MA, et al. **Crit Care Med** 1985 May;13(5):423-5

Stimulation of peritoneal synthesis of vasoactive prostaglandins during peritonitis in patients on continuous ambulatory peritoneal dialysis. Steinhauer HB, et al. **Eur J Clin Invest** 1985 Feb;15(1):1-5

Increased peritoneal permeability in patients with peritonitis undergoing continuous ambulatory peritoneal dialysis. McIntosh ME, et al. **Eur J Clin Pharmacol** 1985; 28(2):187-91

Postinflammatory increase of absorption from peritoneal cavity into lymph nodes: particulate and oily inocula. Levine S. **Exp Mol Pathol** 1985 Aug;43(1):124-34

Ascitic fluid chemical analysis before, during and after spontaneous bacterial peritonitis. Runyon BA, et al. **Hepatology** 1985 Mar-Apr;5(2):257-9

Infectious-inflammatory changes in cyclic AMP levels and in their regulation by prostaglandins in human peritoneal macrophages. Adolfs MJ, et al. **Prostaglandins Leukotrienes Med** 1985 May;18(2):217-26

Hepatic fructose 2,6-bisphosphate in rats with peritonitis and septic shock. Apantaku FO, et al. **Surgery** 1984 Oct; 96(4):770-4

[Interrelation of the intracellular oxidation-reduction processes and the organic water balance in experimental peritonitis in rats] Gubskii VI. **Biull Eksp Biol Med** 1985 Jun;99(6):652-4 (Eng. Abstr.) **(Rus)**

[Functional state of rat liver mitochondria in experimental peritonitis] Ashirmetov AKh, et al. **Vopr Med Khim** 1984 Jul-Aug;30(4):97-100 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Opportunistic peritonitis in continuous ambulatory peritoneal dialysis [letter] Young JB, et al. **Clin Nephrol** 1984 Nov; 22(5):268-9

Peritonitis involving Capnocytophaga ochracea. Mortensen JE, et al. **Diagn Microbiol Infect Dis** 1985 Jul;3(4):359-62

CAPD peritonitis [letter] Raman GV, et al. **J Hosp Infect** 1985 Mar;6(1):108-9

Genetic control of resistance to Coccidioides immitis: a single gene that is expressed in spleen cells determines resistance. Kirkland TN, et al. **J Immunol** 1985 Jul;135(1):548-52

Microbiologic progression of post-traumatic peritonitis. Nyström PO, et al. **J Trauma** 1985 Aug;25(8):798-800

Corynebacterium group JK peritonitis in patients on continuous ambulatory peritoneal dialysis. Altwegg M, et al. **Klin Wochenschr** 1984 Aug 16;62(16):793-4

Pseudomonas peritonitis in patients of CAPD. Vargemezis V, et al. **Life Support Syst** 1984 Oct-Dec;2(4):294-6

Mechanism of the adjuvant effect of hemoglobin in experimental peritonitis. IX: The infection-potentiating effect of hemoglobin in Escherichia coli peritonitis is strain specific. Pruett TL, et al. **Surgery** 1985 Sep;98(3):371-7

[The effect of intraperitoneal infections on postoperative complications] Hájková H. **Rozhl Chir** 1985 Apr; 64(4):288-97 (Eng. Abstr.) **(Cze)**

[Lymphogenic resorption of microbes and the stimulation of lymph circulation in peritonitis] Minnebaev MM. **Patol Fiziol Eksp Ter** 1984 Sep-Oct;(5):72-4 (Eng. Abstr.) **(Rus)**

MORTALITY

[Simplified severity index and acute peritonitis (letter)] Godard J, et al. **Presse Med** 1985 Jan 19;14(2):107 **(Fre)**

[Causes of fatal outcome of acute appendicitis] Gushcha AL, et al. **Khirurgiia (Mosk)** 1984 Dec;(12):34-8 (Eng. Abstr.) **(Rus)**

[Mortality and methods of decreasing it in middle-aged and aged patients with acute pathology of the extrahepatic bile ducts] Butsenko VN, et al. **Klin Khir** 1985 Apr;(4):27-9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Malakoplakia of the pelvic peritoneum in pregnancy. Case report. Rose G, et al. **Br J Obstet Gynaecol** 1985 Feb; 92(2):170-2

Pathogenesis of sclerosing peritonitis in CAPD. Shaldon S, et al. **Trans Am Soc Artif Intern Organs** 1984;30:193-4

[Appendiceal peritonitis in the early postoperative period after a Billroth II gastric resection] Deredzhian A, et al. **Khirurgiia (Sofiia)** 1984;37(4):317-8 **(Bul)**

[Case of a favorable outcome in total biliary peritonitis of unknown origin] Tasev Kh, et al. **Khirurgiia (Sofiia)** 1985; 38(1):64-5 **(Bul)**

[Pathologic-anatomic relations between peritonitis and sepsis] Dauer U, et al. **Chirurg** 1985 Jun;56(6):360-2 **(Ger)**

[Histologic studies in the course of programmed peritoneal lavage] Kujath P, et al. **Chirurg** 1985 Mar;56(3):170-2 (Eng. Abstr.) **(Ger)**

[Free cecum perforation with peritonitis as a rare complication of Crohn disease] Kreisköther E, et al. **Leber Magen Darm** 1985 May;15(3):121-4 (Eng. Abstr.) **(Ger)**

[Trichomonal peritonitis] Kameristyĭ GA. **Klin Khir** 1985 Jan; (1):69 **(Rus)**

[Morphofunctional changes in the neuroendocrine system in rheumatism and experimental infection of animals with L-forms] Ambardzhanian RS, et al. **Sov Med** 1985;(1):5-10 (Eng. Abstr.) **(Rus)**

[Acute omentitis in a child] Kukharenko SD, et al. **Vestn Khir** 1984 Dec;133(12):71 **(Rus)**

PHYSIOPATHOLOGY

Severity of illness in intra-abdominal infection. A comparison of two indexes. Skau T, et al. **Arch Surg** 1985 Feb; 120(2):152-8

E. coli peritonitis and bacteremia cause increased blood-brain barrier permeability. du Moulin GC, et al. **Brain Res** 1985 Aug 12;340(2):261-8

Peritonitis and septic shock--an evaluation of two experimental models in the rat. Martinell S, et al. **Eur Surg Res** 1985;17(3):160-6

Spontaneous bacterial peritonitis in children with chronic liver disease: clinical features and etiologic factors. Larcher VF, et al. **J Pediatr** 1985 Jun;106(6):907-12

Peripheral lymph flow in sheep with bacterial peritonitis: evidence for increased peripheral microvascular permeability accompanying systemic sepsis. Avila A, et al. **Surgery** 1985 Jun;97(6):685-95

Renal and cardiovascular response to nonhypotensive sepsis in a large animal model with peritonitis. Richmond JM, et al. **Surgery** 1985 Feb;97(2):205-14

[Microlymphocirculatory disorders in diffuse peritonitis] Evdokimov VV, et al. **Khirurgiia (Mosk)** 1984 Aug;(8):7-12 (Eng. Abstr.) **(Rus)**

[Pulmonary surfactant function and the prevention of pulmonary complications in acute surgical pathology complicated by peritonitis] Delbuk GD, et al. **Klin Khir** 1985 Jan;(1):14-6 (Eng. Abstr.) **(Rus)**

[Morphobiochemical parallels of the dynamics of the intestinal failure syndrome in experimental peritonitis] Taranenko LD, et al. **Klin Khir** 1985 Jan;(1):52-3 (Eng. Abstr.) **(Rus)**

[Transport and barrier protective functions of the lymphatic system in peritonitis and antibiotic therapy] Stashchuk VF. **Patol Fiziol Eksp Ter** 1984 Jul-Aug;(4):73-6 (Eng. Abstr.) **(Rus)**

[Systemic hemodynamics and regional microcirculation in diffuse peritonitis] Eriukhin IA, et al. **Vestn Khir** 1985 Feb; 134(2):41-6 (Eng. Abstr.) **(Rus)**

[Radioisotope determination of the volume of extracellular fluid in diffuse peritonitis] Popović M, et al. **Acta Chir Iugosl** 1984 Mar;31(2):153-7 (Eng. Abstr.) **(Ser)**

PREVENTION & CONTROL

Disinfection of hands and tubing of CAPD patients. Gruer LD, et al. **J Hosp Infect** 1984 Sep;5(3):305-12

Extended antibiotic treatment does not prevent early recurrence of CAPD peritonitis [letter] Read DJ, et al. **Lancet** 1985 Jan 5;1(8419):47

The double bag system for CAPD reduces the peritonitis rate. Bazzato G, et al. **Trans Am Soc Artif Intern Organs** 1984;30:690-2

Can CCPD lower the rate of peritonitis? Diaz-Buxo JA. **Trans Am Soc Artif Intern Organs** 1984;30:692-3

[Preparation of delayed-action staphylococcal vaccine. II. Effect of the vaccine on the course of generalized infection in mice] Giedrys-Galant S, et al. **Med Dosw Mikrobiol** 1984;36(2):87-91 (Eng. Abstr.) **(Pol)**

[Management of the perineal wound in the postoperative treatment of patients with cancer of the rectum] Knysh VI, et al. **Vestn Khir** 1985 Jan;134(1):65-8 (Eng. Abstr.) **(Rus)**

[Prevention of peritonitis in continuous ambulatory peritoneal dialysis. Comparative study of 2 different protocols of training and bag changing] Selgas R, et al. **Med Clin (Barc)** 1984 Oct 20;83(12):482-4 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Meconium peritonitis with thoracic extension. Kimball D, et al. **AJR** 1985 Jan;144(1):113-4

Small-bowel changes secondary to intraperitoneal leakage from dermoid cyst of the ovary. Wolfe RD, et al. **Mt Sinai J Med (NY)** 1984 Jul-Aug;51(4):382-6

[Preoperative radiologic diagnosis of retractile mesenteritis. Prolonged efficacy of localized resection] Maroy B, et al. **Ann Radiol (Paris)** 1985;28(1):65-7 (Eng. Abstr.) **(Fre)**

[Spontaneous pneumoperitoneum without peritonitis] Lotz W, et al. **ROFO** 1985 Jul;143(1):120-2 **(Ger)**

[Giant cystic meconium peritonitis] Oba S. **Rinsho Hoshasen** 1984 Nov;29(12):1451-2 **(Jpn)**

RADIOTHERAPY

[Use of intravascular laser irradiation of the blood for preventing and treating suppurative and septic complications] Zemskov VS, et al. **Klin Khir** 1984 Dec;(12):17-8 (Eng. Abstr.) **(Rus)**

SURGERY

The management of acute colonic diverticulitis with suppurative peritonitis [letter] **Ann R Coll Surg Engl** 1984 Sep;66(5):378-9

Peritonitis in the newborn—current concepts. Bell MJ. **Pediatr Clin North Am** 1985 Oct;32(5):1181-201 (58 ref.)

Surgical aspects in the management of peritonitis. Guthy E. **Scand J Gastroenterol [Suppl]** 1984;100:49-52

When and how to treat peritonitis. Stadaas JO. **Scand J Gastroenterol [Suppl]** 1984;100:19-20

[Immunology and surgery (editorial)] Kinnaert P. **Acta Chir Belg** 1984 Sep-Oct;84(5):CXIII-CXIV **(Fre)**

[Peritonitis caused by colonic perforation into a free peritoneum] Vayre P, et al. **Chirurgie** 1984;110(4):455-7 **(Fre)**

[Left-open abdomen. Indications and experiences] Hoffmann R, et al. **Helv Chir Acta** 1985 Apr;52(1):137-42 (Eng. Abstr.) **(Ger)**

[Artificial mesh as an aid in abdominal wall closure in postoperative peritonitis, postoperative abdominal wall dehiscence and reconstruction of the abdominal wall] Gross E, et al. **Zentralbl Chir** 1984;109(19):1238-50 (Eng. Abstr.) **(Ger)**

[Peritoneal lavage in generalized peritonitis] Orecchia C, et al. **Minerva Chir** 1984 Aug 15-31;39(15-16):1107-10 (Eng. Abstr.) **(Ita)**

[Complex treatment of patients with functional disorders of the gastrointestinal tract in acute surgical diseases of the abdominal organs] Uteshev NS, et al. **Khirurgiia (Mosk)** 1985 Apr;(4):137-41 **(Rus)**

[Emergency surgery in complications of cancer of the abdominal organs] Belyi IS, et al. **Klin Khir** 1985 Apr;(4):55-6 (Eng. Abstr.) **(Rus)**

[Treatment of peritonitis of appendiceal origin] Skripnichenko DF, et al. **Klin Khir** 1985 Jan;(1):41-2 (Eng. Abstr.) **(Rus)**

[Surgical treatment of appendicular infiltrates and periappendicular abscesses] Zemskov VS, et al. **Klin Khir** 1985 Apr;(4):5-9 (Eng. Abstr.) **(Rus)**

[The surgeon's procedure in appendicular infiltrates] Egiazarian VF, et al. **Vestn Khir** 1984 Sep;133(9):33-6 (Eng. Abstr.) **(Rus)**

[Laparostomy in suppurative peritonitis (review of foreign literature)] Korepanov VI. **Vestn Khir** 1984 Aug;133(8):138-40 (16 ref.) **(Rus)**

[Use of a biocompatible antimicrobial polymer film for the prevention of incompetence of intestinal sutures in peritonitis] Polous IuM, et al. **Vestn Khir** 1985 Mar;134(3):55-7 (Eng. Abstr.) **(Rus)**

[Postoperative adhesive intestinal obstruction in children] Pulatov AT, et al. **Vestn Khir** 1984 Aug;133(8):99-103 (Eng. Abstr.) **(Rus)**

[Relaparotomy in the treatment of early postoperative complications] Tskhai VF. **Vestn Khir** 1985 Mar;134(3):48-52 **(Rus)**

[Effectiveness of drainage and lavage of the abdominal cavity with regard to morphological peritoneal changes in peritonitis] Vladimirova ES, et al. **Vestn Khir** 1984 Nov;133(11):40-4 (Eng. Abstr.) **(Rus)**

[Classification of peritonitis and its treatment] Lisitsyn KM, et al. **Voen Med Zh** 1985 Feb;(2):31-4 **(Rus)**

THERAPY

Faecal peritonitis in the rat. An experimental model for evaluation of surgical and adjuvant therapies. Almdahl SM, et al. **Acta Chir Scand** 1985;151(3):213-6

Primary peritonitis in previously healthy children [letter] Sheth NP. **Am J Dis Child** 1985 Jul;139(7):653

Fungal peritonitis and peritoneal catheters [letter] Fleisher AG, et al. **Ann Intern Med** 1985 Jan;102(1):138

Antiseptic vs. saline lavage in purulent and faecal peritonitis. Vallance S, et al. **J Hosp Infect** 1985 Mar;6 Suppl A:87-91

Efficacy of immunoglobulins in gram-negative infections in experimentally induced peritonitis in the rat. Frick S, et al. **Res Exp Med (Berl)** 1985;185(3):181-93

Peritoneal irrigation (lavage) and local use of antibiotics in diffuse peritonitis. Bjerkeset T. **Scand J Gastroenterol [Suppl]** 1984;100:35-9

Adjuvant therapy of secondary peritonitis. Giercksky KE, et al. **Scand J Gastroenterol [Suppl]** 1984;100:43-6

Intensive care in peritonitis. Sunde SS. **Scand J Gastroenterol [Suppl]** 1984;100:21-5

[Animal experiment and clinical use of a two-layer antibiotic-containing silicone rubber drainage tube] Cheng HJ. **Chung Hua Wai Ko Tsa Chih** 1984 Jun;22(6):324-6, 381 (Eng. Abstr.) **(Chi)**

[Peroperative peritoneal lavage in peritonitis of appendicular origin in children. Apropos of 50 cases] Gruel Y, et al. **Ann Chir** 1985 Jun;39(5):305-8 (Eng. Abstr.) **(Fre)**

[Intensive therapy of diffuse purulent peritonitis] Herden HN. **Chirurg** 1985 Jun;56(6):371-5 **(Ger)**

[Zipper as a new method of temporary abdominal wall closure in abdominal surgery] Teichmann W, et al. **Chirurg** 1985 Mar;56(3):173-8 **(Ger)**

[Irrigation-lavage of the peritoneum in acute generalized peritonitis. Our experience] Santoni N, et al. **Minerva Med** 1984 Aug 25;75(32-33):1861-4 **(Ita)**

[Analysis of our experience in assessing intermittent postoperative drainage-lavage in treating acute generalized peritonitis] Ionescu NG, et al. **Rev Chir [Chir]** 1985 Mar-Apr;34(2):125-32 (Eng. Abstr.) **(Rum)**

[Prediction of the immediate results of critical care of patients in intensive care units] Ivanov GG, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):47-50 (Eng. Abstr.) **(Rus)**

[Hemodynamics and oxygen transport during hemosorption in patients with destructive pancreatitis and diffuse peritonitis] Riabov GA, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):3-7 (Eng. Abstr.) **(Rus)**

[Hemosorption in the complex treatment of disseminated forms of peritonitis] Lindenberg AA, et al. **Khirurgiia (Mosk)** 1984 Aug;(8):120-4 **(Rus)**

[Open method of treating diffuse suppurative peritonitis] Makokha NS. **Khirurgiia (Mosk)** 1984 Aug;(8):124-7 **(Rus)**

[Complex treatment of peritonitis caused by non-clostridial anaerobic bacteria] Petrovskii BV, et al. **Khirurgiia (Mosk)** 1984 Aug;(8):3-7 (Eng. Abstr.) **(Rus)**

[Principles of detoxication therapy in acute diffuse peritonitis] Reis BA, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):29-31 (Eng. Abstr.) **(Rus)**

[Basis for intensive treatment of peritonitis by regulated hemodilution with moderately controlled hypervolemia] Shelestiuk PI. **Khirurgiia (Mosk)** 1985 Feb;(2):87-92 (Eng. Abstr.) **(Rus)**

[Hemosorption in the treatment of diffuse suppurative peritonitis] Taranenko LD, et al. **Khirurgiia (Mosk)** 1984 Nov;(11):35-8 (Eng. Abstr.) **(Rus)**

[Hemosorption in treating the endogenous intoxication syndrome in patients with diffuse peritonitis] Dotsenko AP, et al. **Klin Khir** 1985 Jan;(1):46-8 (Eng. Abstr.) **(Rus)**

[Use of acupuncture reflexotherapy in the combined treatment of peritonitis] Shamrei GP, et al. **Klin Khir** 1985 Jan;(1):68-9 **(Rus)**

[Variants of endolymphatic antibiotic therapy in the combined treatment of peritonitis] Stashchuk VF. **Klin Khir** 1985 Jan;(1):45-6 (Eng. Abstr.) **(Rus)**

[Continuous and fractional intra-aortic infusion of drugs in the combined therapy of diffuse peritonitis] Tsagurishvili AV, et al. **Klin Khir** 1985 Jan;(1):43-5 (Eng. Abstr.) **(Rus)**

[Laboratory evaluation of the efficacy of detoxicating therapy in peritonitis] Starikov AV, et al. **Lab Delo** 1985;(1):14-6 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on delayed hypersensitivity and antibody formation in patients with peritonitis] Belokurov IuN, et al. **Vestn Khir** 1984 Aug;133(8):45-9 (Eng. Abstr.) **(Rus)**

[Open lavage of the abdominal cavity in diffuse suppurative peritonitis] Mil'kov BO, et al. **Vestn Khir** 1985 Apr;134(4):53-5 (Eng. Abstr.) **(Rus)**

[Intra-arterial regional therapy using noradrenaline in the complex treatment of diffuse peritonitis] Sinitsyn IV. **Vestn Khir** 1985 Feb;134(2):46-51 (Eng. Abstr.) **(Rus)**

VETERINARY

Suppurative peritonitis in cats associated with anaerobic bacteria. Scott PC, et al. **Aust Vet J** 1984 Nov;61(11):367-8

Therapeutic strategies involving antimicrobial treatment of large animals with peritonitis. Kunesh JP. **J Am Vet Med Assoc** 1984 Nov 15;185(10):1222-5 (17 ref.)

Therapeutic strategies involving antimicrobial treatment of small animals with peritonitis. Thornhill JA. **J Am Vet Med Assoc** 1984 Nov 15;185(10):1181-4 (26 ref.)

Concomitant feline infectious peritonitis and toxoplasmosis in a cheetah (Acinonyx jubatus). Van Rensburg IB, et al. **J S Afr Vet Assoc** 1984 Dec;55(4):205-7

Granulomatous peritonitis in a fish caused by a flagellated protozoan. Gardiner CH, et al. **J Wildl Dis** 1984 Jul;20(3):238-40

Experimental inoculation of cats with canine coronavirus and subsequent challenge with feline infectious peritonitis virus. Barlough JE, et al. **Lab Anim Sci** 1984 Dec;34(6):592-7

Endometriosis with bacterial peritonitis in a baboon. DaRif CA, et al. **Lab Anim Sci** 1984 Oct;34(5):491-3

Feline infectious peritonitis. An immune-mediated coronaviral vasculitis. August JR. **Vet Clin North Am [Small Anim Pract]** 1984 Sep;14(5):971-84 (33 ref.)

Serodiagnostic aids and management practice for feline retrovirus and coronavirus infections. Barlough JE. **Vet Clin North Am [Small Anim Pract]** 1984 Sep;14(5):955-69 (58 ref.)

PERMEABILITY

Semipermeable films as wound dressings. Turner TD. **Schweiz Rundsch Med Prax** 1984 Jul 31;73(30-31):950-2

PERMEABILITY, CAPILLARY see CAPILLARY PERMEABILITY

PERMEABILITY, CELL MEMBRANE see CELL MEMBRANE PERMEABILITY

PERMEABILITY, TOOTH see TOOTH PERMEABILITY

PERMEASES

Localization of the galactoside binding site in the lactose carrier of Escherichia coli. Mitaku S, et al. **Biochim Biophys Acta** 1984 Oct 3;776(2):247-58

ANALYSIS

The lactose permease of Escherichia coli: evidence in favor of a dimer. Houssin C, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):593-606

Monoclonal antibodies against the lac carrier protein from Escherichia coli. 1. Functional studies. Carrasco N, et al. **Biochemistry** 1984 Jul 31;23(16):3681-7

Multiplicity of peptide permeases in Candida albicans: evidence from novel chromophoric peptides. McCarthy PJ, et al. **J Bacteriol** 1985 Jun;162(3):1024-9

ANTAGONISTS & INHIBITORS

Implication of proteases in the respiration dependent inactivation of the lactose permease of E. coli. Therisod H, et al. **FEBS Lett** 1985 Jul 22;187(1):38-42

BIOSYNTHESIS

Novel inducers of the xylan-degrading enzyme system of Cryptococcus albidus. Biely P, et al. **J Bacteriol** 1984 Oct;160(1):408-12

GENETICS

Proline uptake through the major transport system of Salmonella typhimurium is coupled to sodium ions. Cairney J, et al. **J Bacteriol** 1984 Oct;160(1):22-7

Osmotic regulation of L-proline transport in Salmonella typhimurium. Dunlap VJ, et al. **J Bacteriol** 1985 Jul;163(1):296-304

Genetic characterization and molecular cloning of the tripeptide permease (tpp) genes of Salmonella typhimurium. Gibson MM, et al. **J Bacteriol** 1984 Oct;160(1):122-30

Anaerobic and leucine-dependent expression of a peptide transport gene in Salmonella typhimurium. Jamieson DJ, et al. **J Bacteriol** 1984 Oct;160(1):131-6

Regulation of ugp, the sn-glycerol-3-phosphate transport system of Escherichia coli K-12 that is part of the pho regulon. Schweizer H, et al. **J Bacteriol** 1985 Jul;163(1):392-4

Escherichia coli mutants with altered cation recognition by the melibiose carrier. Shiota S, et al. **J Bacteriol** 1984 Oct;160(1):445-7

Alteration in cation specificity of the melibiose transport carrier of Escherichia coli due to replacement of proline 122 with serine. Yazyu H, et al. **J Bacteriol** 1985 Jun;162(3):933-7

A change of threonine 266 to isoleucine in the lac permease of Escherichia coli diminishes the transport of lactose and increases the transport of maltose. Markgraf M, et al. **MGG** 1985;198(3):473-5

Isolation and nucleotide sequencing of lactose carrier mutants that transport maltose. Brooker RJ, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):3959-63

ISOLATION & PURIFICATION

Monoclonal antibodies against the lac carrier protein from Escherichia coli. 2. Binding studies with membrane vesicles and proteoliposomes reconstituted with purified lac carrier protein. Herzlinger D, et al. **Biochemistry** 1984 Jul 31;23(16):3688-93

METABOLISM

Effect of membrane potential on the kinetic parameters of the Na+ or H+ melibiose symport in Escherichia coli membrane vesicles. Bassilana M, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):626–31

Functional and immunochemical characterization of a mutant of Escherichia coli energy uncoupled for lactose transport. Herzlinger D, et al. **Biochemistry** 1985 Jan 1;24(1):221–9

Overproduction of the membrane-bound components of the histidine permease from Salmonella typhimurium: identification of the M protein. Ames GF, et al. **Biochimie** 1985 Jan;67(1):149–54

The melibiose permease system of Escherichia coli K12. Burstein C, et al. **Biochimie** 1985 Jan;67(1):59–67

Characteristics and hormonal regulation of amino acid transport system A in isolated rat hepatocytes. Kilberg MS, et al. **Curr Top Cell Regul** 1985;25:133–63 (79 ref.)

Beta-D-galactoside transport in Escherichia coli. Solubilization in organic solvent and reconstitution of binding. König B, et al. **Eur J Biochem** 1984 Dec 3; 145(2):397–402

Properties of a mutant lactose carrier of Escherichia coli with a Cys148----Ser148 substitution. Neuhaus JM, et al. **FEBS Lett** 1985 Jun 3;185(1):83–8

Sensitivity to nikkomycin Z in Candida albicans: role of peptide permeases. Yadan JC, et al. **J Bacteriol** 1984 Dec; 160(3):884–8

Morphology of proteoliposomes reconstituted with purified lac carrier protein from Escherichia coli. Costello MJ, et al. **J Biol Chem** 1984 Dec 25;259(24):15579–86

Plasma-membrane phospholipid unsaturation affects expression of the general amino-acid permease in Saccharomyces cerevisiae Y185. Calderbank J, et al. **J Gen Microbiol** 1985 Jan;131 (Pt 1):57–65

Effect of different phospholipids on the reconstitution of two functions of the lactose carrier of Escherichia coli. Seto-Young D, et al. **J Membr Biol** 1985;84(3):259–67

Effects of trypsin and protein modification on the renal transporter of p-aminohippurate. Tse SS, et al. **J Membr Biol** 1984;82(3):249–57

Reconstitution of the melibiose carrier of Escherichia coli. Wilson DM, et al. **Membr Biochem** 1985;5(4):269–90

ATP-binding sites in the membrane components of histidine permease, a periplasmic transport system. Hobson AC, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7333–7

[Mechanisms of efflux of a substrate accumulated by the lactose permease of Escherichia coli: theoretical and experimental study] Kepes F. **Biochimie** 1985 Jan; 67(1):69–73 (Eng. Abstr.) **(Fre)**

PERMISSIVENESS see under **ATTITUDE**

PEROMYSCUS

BLOOD

Atropine esterase status of laboratory mice. Fox RR, et al. **Lab Anim Sci** 1984 Aug;34(4):381–2

GENETICS

Kinetics of cytoplasmic aspartate aminotransferase from three genotypes of the deer mouse (Peromyscus maniculatus). Dubach JM, et al. **Comp Biochem Physiol [B]** 1984; 78(3):691–9

GROWTH & DEVELOPMENT

Photoperiodic time measurement in the male deer mouse, Peromyscus maniculatus. Underwood H, et al. **Biol Reprod** 1985 May;32(4):947–56

Influence of melatonin on pubertal development in male deer mice (Peromyscus maniculatus). Whitsett JM, et al. **J Reprod Fertil** 1984 Nov;72(2):287–93

Photosensitive stages in pubertal development of male deer mice (Peromyscus maniculatus). Whitsett JM, et al. **J Reprod Fertil** 1984 Nov;72(2):269–76

Effect of transitional photoperiods on testicular development and puberty in male deer mice (Peromyscus maniculatus). Whitsett JM, et al. **J Reprod Fertil** 1984 Nov;72(2):277–86

METABOLISM

Temporal patterns of brain cholinesterase activities of white-footed mice (Peromyscus leucopus) following dosing with diazinon or parathion. Montz WE Jr, et al. **Arch Environ Contam Toxicol** 1985 Jan;14(1):19–24

Bile acids in deermice lacking liver alcohol dehydrogenase. Sjovall J, et al. **Biochim Biophys Acta** 1985 Aug 22; 836(1):8–13

Industrial lead contamination of an Illinois wildlife refuge and indigenous small mammals. Kisseberth WC, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1309–13

Longevity-dependent organ-specific accumulation of DNA damage in two closely related murine species. Su CM, et al. **Mech Ageing Dev** 1984 Oct 15;27(2):239–47

MICROBIOLOGY

Mice as reservoirs of the Lyme disease spirochete. Levine JF, et al. **Am J Trop Med Hyg** 1985 Mar;34(2):355–60

Identification of endemic foci of Lyme disease: isolation of Borrelia burgdorferi from feral rodents and ticks (Dermacentor variabilis). Anderson JF, et al. **J Clin Microbiol** 1985 Jul;22(1):36–8

Modoc-like virus isolated from wild deer mice (Peromyscus maniculatus) in Alberta. Zarnke RL, et al. **J Wildl Dis** 1985 Apr;21(2):94–9

Prevalence of the Lyme disease spirochete in populations of white-tailed deer and white-footed mice. Bosler EM, et al. **Yale J Biol Med** 1984 Jul–Aug;57(4):651–9

PARASITOLOGY

Babesiosis in Wisconsin. A new focus of disease transmission. Steketee RW, et al. **JAMA** 1985 May 10;253(18):2675–8

PHYSIOLOGY

Effects of timed melatonin injections on reproduction in pinealectomized Peromyscus leucopus. Hall ES, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):407–14

Low P50 in deer mice native to high altitude. Snyder LR. **J Appl Physiol** 1985 Jan;58(1):193–9

Photoperiodic regulation of reproductive development in male white-footed mice (Peromyscus leucopus) born at different phases of the breeding season. Forger NG, et al. **J Reprod Fertil** 1985 Jan;73(1):271–8

Food habits of Microtus, Peromyscus, and Blarina along Kansas roadsides: cause for caution in roadside contamination studies. O'Neill DH, et al. **Trans Kans Acad Sci** 1985 Apr;88(1–2):40–5

PERONEAL NERVE

Localizing peroneal nerve lesions. Pickett JB. **Am Fam Physician** 1985 Feb;31(2):189–96 (10 ref.)

Acute peroneal compartmental syndrome. Report of a case. Arancio O, et al. **Eur Neurol** 1985;24(1):69–72

Compression of the superficial peroneal nerve secondary to sleeping and sitting positions. Lemont H, et al. **J Am Podiatry Assoc** 1984 Sep;74(9):450–1

Functional electrical stimulation of the peroneal nerve for hemiplegia. Long-term clinical follow-up. Waters RL, et al. **J Bone Joint Surg [Am]** 1985 Jun;67(5):792–3

Entrapment of the superficial peroneal nerve. Three case reports. Kernohan J, et al. **J Bone Joint Surg [Br]** 1985 Jan;67(1):60–1

Superficial peroneal nerve entrapment. A case report. Lowdon IM. **J Bone Joint Surg [Br]** 1985 Jan;67(1):58–9

Entrapment neuropathy of the superficial peroneal nerve. A bilateral case. McAuliffe TB, et al. **J Bone Joint Surg [Br]** 1985 Jan;67(1):62–3

Peroneal neuropathy during weight reduction [letter] Harrison MJ. **J Neurol Neurosurg Psychiatry** 1984 Nov; 47(11):1260

Observation on 52 cases of paralysis of common peroneal nerve treated by acupuncture and plum-blossom needling. Yao ZH, et al. **J Tradit Chin Med** 1984 Jun;4(2):97–100

Acute peroneal compartment syndrome [letter] Atkinson DR, et al. **NZ Med J** 1984 Oct 24;97(766):740

Bilateral peroneal nerve palsy secondary to posterior dislocation of the proximal tibiofibular joint in rheumatoid arthritis. Ishikawa H, et al. **Rheumatol Int** 1984;5(1):45–7

[Intrathecal cyst of the common fibular nerve] Chen JK. **Chung Hua I Hsueh Tsa Chih** 1984 Jun;64(6):387–8 **(Chi)**

[Peroneal nerve entrapment] Vastamäki M. **Duodecim** 1985; 101(12):1185–90 (Eng. Abstr.) **(Fin)**

[Intraneural synovial cysts of the external popliteal sciatic nerve. Observations on 2 cases treated with microsurgical technics] Gazzeri G, et al. **Minerva Chir** 1984 Sep 15; 39(17):1143–5 (Eng. Abstr.) **(Ita)**

[Case of probable spino-pontine degeneration] Drac H, et al. **Neurol Neurochir Pol** 1984 Sep–Oct;18(5):477–9 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

The segmental and regional projections of the sciatic, tibial and common peroneal nerves to the substantia gelatinosa of the spinal cord in rats--an experimental study by means of an acid phosphatase (ACP) method. Qui SH, et al. **Okajimas Folia Anat Jpn** 1984 Oct;61(4):245–51

Comparative study of the distances between the small saphenous vein and the common peroneal and tibial nerves in male and female adults. de Carvalho CA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Nov–Dec; 39(6):254–6

INJURIES

Nerve injury and grades II and III ankle sprains. Nitz AJ, et al. **Am J Sports Med** 1985 May–Jun;13(3):177–82

Peroneal palsy produced by intravenous fluid infiltration in a newborn. Kreusser KL, et al. **Dev Med Child Neurol** 1984 Aug;26(4):522–4

[Peroneal paralysis and necrosis of the distal foot in piglets: a sequela of a faulty injection technic] van Leengoed L, et al. **Tijdschr Diergeneeskd** 1984 Jul 15;109(14):587–8 (Eng. Abstr.) **(Dut)**

[Transplantation of the posterior tibial muscle in peripheral paralysis of the peroneal nerve] Mayer G, et al. **Beitr Orthop Traumatol** 1984 Aug;31(8):396–401 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Effect of halothane on cardiac acceleration response to somatic nerve stimulation in dogs. Kissin I, et al. **Anesthesiology** 1984 Dec;61(6):708–11

Nerve impulse propagation along central and peripheral fast conducting motor and sensory pathways in man. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1985 Apr; 60(4):320–34

Reciprocal Ia inhibition from the peroneal nerve to soleus motoneurones with special reference to the size of the test reflex. Crone C, et al. **Exp Brain Res** 1985;59(2):418–22

Electromyographic evaluation of a novel surgical preparation to enhance nerve-muscle specificity that follows mammalian peripheral nerve trunk transection. Politis MJ, et al. **Exp Neurol** 1985 Feb;87(2):326–33

Identification of spinal cord pathways responsible for the peroneal-evoked response in the dog. Gaines R, et al. **Spine** 1984 Nov–Dec;9(8):810–4

[Tonic sympathetic activity in the sciatic nerve of the rabbit] Purnyn' SL. **Neirofiziologiia** 1985;17(3):351–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Short-latency scalp somatosensory evoked potentials and central spine to scalp propagation characteristics during peroneal and median nerve stimulation in multiple sclerosis. Rossini PM, et al. **Electroencephalogr Clin Neurophysiol** 1985 Mar;60(3):197–206

Common peroneal neuropathy in severe tetanus. Bharani AK, et al. **J Assoc Physicians India** 1984 Dec;32(12):1075–6

Discharge pattern of afferent fibers from a neuroma. Blumberg H, et al. **Pain** 1984 Dec;20(4):335–53

[Experimental study of pathophysiological and metabolic disorders during neurorrhaphy and neuroplasty] Nechipurenko NI, et al. **Patol Fiziol Eksp Ter** 1985 Jan–Feb;(1):50–4 (Eng. Abstr.) **(Rus)**

SURGERY

Comparative neurophysiological assessments of nerve sutures performed by microsurgical methods and with fibrin glue: experimental study. Faldini A, et al. **Ital J Orthop Traumatol** 1984 Dec;10(4):527–32

Neurolysis of the common peroneal nerve in leprosy. A report on 22 patients. Chaise F, et al. **J Bone Joint Surg [Br]** 1985 May;67(3):426–9

TRANSPLANTATION

Restoration of sensibility to anesthetic scarred digits with free vascularized nerve grafts from the dorsum of the foot. Rose EH, et al. **J Hand Surg [Am]** 1985 Jul;10(4):514–21

ULTRASTRUCTURE

Case of dementia and myoclonia in an adult associated with anomalies in polyunsaturated fatty acids in leukocytes and peripheral nerve. An ultrastructural study of peripheral nerve. Vallat JM, et al. **Eur Neurol** 1985;24(3):208–16

Amyloid neuropathy: relationship between amyloid fibrils and macrophages. Vital A, et al. **Ultrastruct Pathol** 1984; 7(1):21–4

PEROPERATIVE CARE see **INTRAOPERATIVE CARE**

PEROPERATIVE COMPLICATIONS see **INTRAOPERATIVE COMPLICATIONS**

PEROXIDASE-ANTIPEROXIDASE COMPLEX TECHNIC see **IMMUNOENZYME TECHNICS**

PEROXIDASE-LABELED ANTIBODY TECHNIC see **IMMUNOENZYME TECHNICS**

PEROXIDASES

Blot analyses of glycoconjugates: enzyme-hydrazide--a novel reagent for the detection of aldehydes. Gershoni JM, et al. **Anal Biochem** 1985 Apr;146(1):59–63

Protein blotting: detection of proteins with colloidal gold, and of glycoproteins and lectins with biotin-conjugated and enzyme probes. Rohringer R, et al. **Anal Biochem** 1985 Jan;144(1):118–27

An enzyme-linked lectin binding assay for quantitative determination of lectin receptors. van der Schaal IA, et al. **Anal Biochem** 1984 Jul;140(1):48–55

Reliability of present-day glucose test strips in the neonatal settings of a developing country. Taha SA, et al. **Ann Trop Paediatr** 1985 Jun;5(2):73–5

Chlorination of NADH: similarities of the HOCl-supported and chloroperoxidase-catalyzed reactions. Griffin BW, et al. **Arch Biochem Biophys** 1985 May 15;239(1):305–9

Spectra of chloroperoxidase compounds II and III. Nakajima R, et al. **Biochem Biophys Res Commun** 1985 Apr 16; 128(1):1–6

Chemiluminescence in L-tyrosine-H2O2-horseradish peroxidase system: possible formation of tyrosine cation radical. Ushijima Y, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):936–41

A study of the oxidized form of Pseudomonas aeruginosa cytochrome c-551 peroxidase with the use of magnetic circular dichroism. Foote N, et al. **Biochem J** 1984 Oct 15;223(2):369–78

Studies on the subunits of human myeloperoxidase. Olsen RL, et al. **Biochem J** 1984 Sep 15;222(3):701–9

Chloroperoxidase compound I: Electron paramagnetic resonance and Mössbauer studies. Rutter R, et al. **Biochemistry** 1984 Dec 18;23(26):6809–16

The nitrosyl compounds of ferrous animal haloperoxidases. Bolscher BG, et al. **Biochim Biophys Acta** 1984 Nov 23;

791(1):75-81

Physicochemical characterization of the alkaline denaturation of cytochrome c peroxidase. Dowe RJ, et al. **Biochim Biophys Acta** 1985 Feb 4;827(2):183-9

Thermal denaturation of cytochrome c peroxidase: pH dependence. Gross MT, et al. **Biochim Biophys Acta** 1985 Aug 8;830(2):140-6

Nanosecond transient resonance Raman spectra of the FeII-CO and FeIII-NO photolysis products of horseradish peroxidase. Smulevich G, et al. **Biochim Biophys Acta** 1985 Jul 18;830(1):80-5

Ultrastructure of transganglionic HRP transport in cat trigeminal system. Henry MA, et al. **Brain Res** 1985 May 20;334(2):255-66

Stabilization of TMB reaction product for electron microscopic retrograde and anterograde fiber tracing. Lemann W, et al. **Brain Res Bull** 1985 Mar;14(3):277-81

Characterization of benzidinediimine: a product of peroxidase metabolism of benzidine. Wise RW, et al. **Carcinogenesis** 1984 Nov;5(11):1499-503

Interaction of the photosensitization products of oestrone with DNA: comparison with the horseradish peroxidase catalyzed reaction. Sedee AG, et al. **Chem Biol Interact** 1984 Oct;51(3):357-63

In situ 125I-labelling of endosome proteins with lactoperoxidase conjugates. Watts C. **EMBO J** 1984 Sep; 3(9):1965-70

Plant peroxidases. Their primary, secondary and tertiary structures, and relation to cytochrome c peroxidase. Welinder KG. **Eur J Biochem** 1985 Sep 16;151(3):497-504

Resonance Raman evidence of chloride binding to the heme iron in myeloperoxidase. Ikeda-Saito M, et al. **FEBS Lett** 1985 May 6;184(1):52-5

More useful maleimide compounds for the conjugation of Fab' to horseradish peroxidase through thiol groups in the hinge. Hashida S, et al. **J Appl Biochem** 1984 Feb-Apr; 6(1-2):56-63

Evaluation of blood glucose measurement by Dextrostix and Dextrometer. Jain S, et al. **J Assoc Physicians India** 1985 Feb;33(2):155-8

The effect of chloride on the redox and EPR properties of myeloperoxidase. Ikeda-Saito M, et al. **J Biol Chem** 1985 Jul 15;260(14):8301-5

Magnetic circular dichroism studies on the heme and tryptophan components of cytochrome c peroxidase. Myers D, et al. **J Biol Chem** 1985 Apr 10;260(7):3887-90

Coupling of iodotyrosine catalyzed by human thyroid peroxidase in vitro. Sugawara M. **J Clin Endocrinol Metab** 1985 Jun;60(6):1069-75

A simple method for the conjugation of affinity-purified Fab' to horseradish peroxidase and beta-D-galactosidase from Escherichia coli. Hashida S, et al. **J Immunoassay** 1985; 6(1-2):111-23

An analysis of the transport of WGA-HRP in the cat's visual system. Shook BL, et al. **J Neurosci Methods** 1984 Jun; 11(2):65-77

Fixation of horseradish peroxidase reaction products with ammonium molybdate. Fujii M, et al. **Neurosci Res** 1984 Apr;1(2):153-6

Development of peroxidase histochemistry. Mitsui T. **Tokai J Exp Clin Med** 1984 Aug;9(3):167-73 (48 ref.)

[Basic studies on peroxidase staining] Kobayashi S. **Rinsho Byori** 1984 Aug;32(8):904-8 **(Jpn)**

[Peroxidase activity of catalase with respect to aromatic amines] Artemchik VD, et al. **Biokhimiia** 1985 May; 50(5):826-32 (Eng. Abstr.) **(Rus)**

[Catalysis by enzymes entrapped into reversed micelles of surfactants in organic solvents. Peroxidase in the aerosol OT-water-octane system] Kliachko NL, et al. **Mol Biol (Mosk)** 1984 Jul-Aug;18(4):1019-31 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Uptake of particulate and soluble antigens in the small intestines of the rat. Jeurissen SH, et al. **Cell Biol Int Rep** 1985 Jun;9(6):523

Kinetics of respiratory tract absorption and plasma clearance of horseradish peroxidase in guinea pigs. Conner MW, et al. **Fundam Appl Toxicol** 1985 Feb;5(1):99-104

ANALYSIS

The reaction of horseradish peroxidase with hydroperoxides derived from Triton X-100. Miki T, et al. **Anal Biochem** 1985 Apr;146(1):28-34

Monoclonal antibody to rat uterine peroxidase and its use in identification of the peroxidase as being of eosinophil origin. Keeping HS, et al. **Biochim Biophys Acta** 1984 Dec 20;802(3):399-406

Ultrastructural localization of lactoferrin and myeloperoxidase in human neutrophils by immunogold. Cramer E, et al. **Blood** 1985 Feb;65(2):423-32

Comparison of salivary peroxidase system components in caries-free and caries-active naval recruits. Lamberts BL, et al. **Caries Res** 1984;18(6):488-94

Sensitive fluorimetric assay for human thyroid peroxidase using p-cresol as a substrate. Kai M, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):4017-22

Neutrophil mean peroxidase: a biologically interesting parameter with a potential for WBC differential quality control. Hewitt J, et al. **Clin Lab Haematol** 1985;7(1):33-42

Alterations in the pituitary-thyroid axis and 5'-deiodinase activity in mice with muscular dystrophy. Watson AY, et al. **Endocrinology** 1985 Jun;116(6):2201-8

Cervicovaginal peroxidases: sex hormone control and potential clinical uses. Tsibris JC, et al. **Fertil Steril** 1985 Aug;44(2):236-40

Relationships between levels of lysozyme, lactoferrin, salivary peroxidase, and secretory immunoglobulin A in stimulated parotid saliva. Rudney JD, et al. **Infect Immun** 1985 Sep;49(3):469-75

Determination of catalase, peroxidase, and superoxide dismutase within the genus Legionella. Pine L, et al. **J Clin Microbiol** 1984 Sep;20(3):421-9

Resolution of diaminobenzidine for the detection of horseradish peroxidase on surfaces of cultured cells. Messing A, et al. **J Histochem Cytochem** 1985 Aug; 33(8):837-9

Enzyme-histochemical characterization of macrophages in the rat thymus, with special reference to metallophilic cells of the corticomedullary zone. Milićević NM, et al. **J Leukocyte Biol** 1984 Dec;36(6):761-9

Ultrastructural peroxidase cytochemistry of three established human myelogenous leukemia cell lines, HL-60, KG-1 and ML-2. Himori T, et al. **Leuk Res** 1985;9(7):913-9

[Usefulness of the ultrastructural detection of peroxidases in the diagnosis of acute leukosis] Escribano Mora L, et al. **Sangre (Barc)** 1984;29(6):1037-46 (54 ref.) (Eng. Abstr.) **(Spa)**

[Peroxidase activity in blast cells of acute myeloid leukemia cultured in methylcellulose. Ultrastructural study] Escribano Mora LM, et al. **Sangre (Barc)** 1984; 29(4-A):361-9 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Ascorbate in aqueous humor protects against myeloperoxidase-induced oxidation. Rosenbaum JT, et al. **Am J Pathol** 1985 Aug;120(2):244-7

Rat intestinal peroxidase: inhibition by endogenous xanthine and xanthine oxidase. Kimura S, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):141-8

Inactivation and affinity-labeling of rat liver iodothyronine deiodinase with N-bromoacetyl-3,3',5-triiodothyronine. Mol JA, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):475-83

The crystal structure of fluoride-inhibited cytochrome c peroxidase. Edwards SL, et al. **J Biol Chem** 1984 Nov 10; 259(21):12984-8

Diffusion of extracellular hydrogen peroxide into intracellular compartments of human neutrophils. Studies utilizing the inactivation of myeloperoxidase by hydrogen peroxide and azide. Ohno Y, et al. **J Biol Chem** 1985 Jul 15;260(14):8438-46

pH-dependent fluoride inhibition of peroxidase activity. Thibodeau EA, et al. **J Dent Res** 1985 Oct;64(10):1211-3

Inhibition of sodium transport in frog skin and iodination of tyrosine in vitro by a peptide of renal origin. Fregly MJ, et al. **Klin Wochenschr** 1985;63 Suppl 3:102-6

BIOSYNTHESIS

Biosynthesis, transport and processing of myeloperoxidase in the human leukaemic promyelocytic cell line HL-60 and normal marrow cells. Olsson I, et al. **Biochem J** 1984 Nov 1;223(3):911-20

Ontogenesis of iodothyronine-5'-deiodinase. Induction of 5'-deiodinating activity by insulin, glucocorticoid, and thyroxine in cultured fetal mouse liver. Sato K, et al. **J Clin Invest** 1984 Dec;74(6):2254-62

[Differentiation of human myeloid leukemia HL-60 cells and myeloperoxidase synthesis] Yamada M. **Seikagaku** 1984 Sep;56(9):1138-41 (27 ref.) **(Jpn)**

BLOOD

Properties of interleukin-1 as a complete secretagogue for human neutrophils. Smith RJ, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1233-40

Stimulation of the hexose monophosphate pathway in the human erythrocyte by Mn2+: evidence for a Mn2+-dependent NADPH peroxidase activity. Bennun A, et al. **Biochem Med** 1985 Feb;33(1):17-21

Involvement of leukocyte peroxidases in the metabolism of tenoxicam. Ichihara S, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1337-8

Differential effects of oxidizing agents on human plasma alpha 1-proteinase inhibitor and human neutrophil myeloperoxidase. Matheson NR, et al. **Biochemistry** 1985 Apr 9;24(8):1941-5

Raman characterization of human leukocyte myeloperoxidase and bovine spleen green haemoprotein. Insight into chromophore structure and evidence that the chromophores of myeloperoxidase are equivalent. Babcock GT, et al. **Biochim Biophys Acta** 1985 Mar 22;828(1):58-66

Comparative reactivities of various biological compounds with myeloperoxidase-hydrogen peroxide-chloride, and similarity of the oxidant to hypochlorite. Winterbourn CC. **Biochim Biophys Acta** 1985 Jun 18;840(2):204-10

Formation of a morphologically complex system by peroxidase-positive lysosomal elements in human monocytes. Deimann W, et al. **Blood** 1985 Sep;66(3):514-21

Quantitative cytochemistry of blood neutrophils in myelodysplastic syndromes and chronic granulocytic leukaemia. Schofield KP, et al. **Cell Biochem Funct** 1983 Jul;1(2):92-6

The effect of paraquat on the peroxide metabolism enzymes in erythrocytes of freshwater fish species. Gabryelak T, et al. **Comp Biochem Physiol [C]** 1985;81(2):415-8

Myelolactoferrin index (MLF) and myelopoiesis during bacterial infections and malignant diseases. Neth R, et al. **Hamatol Bluttransfus** 1985;29:183-6

Ultrastructural distribution of peroxidase in thrombocytes of mammals and submammals. Daimon T, et al. **Histochemistry** 1985;82(4):345-50

Polymorphonuclear leukocyte accumulation in inflammatory dermal sites as measured by 51Cr-labeled cells and myeloperoxidase. Lundberg C, et al. **Inflammation** 1983 Sep;7(3):247-55

Biochemical comparison of myeloperoxidase of leukemic myeloblasts and normal neutrophilic granulocytes. Morishita K, et al. **J Appl Biochem** 1984 Oct-Dec; 6(5-6):271-7

Effect of a single injection of prolactin on the serum concentrations of thyroid hormones and corticosterone and liver monodeiodinase in the domestic fowl before and after hatching. Decuypere E, et al. **J Endocrinol** 1985 Mar; 104(3):363-6

Comparison between the luminol-dependent chemiluminescence of polymorphonuclear leukocytes and of the myeloperoxidase-HOOH system: influence of pH, cations and protein. Dahlgren C, et al. **Photochem Photobiol** 1985 May;41(5):605-10

Chemiluminescence from an erythrocyte folic acid oxidase from normal individuals and from cancer patients. Durán N, et al. **Physiol Chem Phys Med NMR** 1984;16(4):325-31

Peroxidase activity of oxyhaemoglobin in vitro. Lenk W, et al. **Xenobiotica** 1984 Jul;14(7):581-8

[Histochemical determination of peroxidases in isolated leukocytes and lymphocytes in human blood] Schmidt H. **Folia Haematol (Leipz)** 1985;112(2):248-52 (Eng. Abstr.) **(Ger)**

[The cytochemistry of granulocytes in acute leukemia] Tsvetkova TZ, et al. **Gematol Transfuziol** 1985 Apr; 30(4):29-31 (Eng. Abstr.) **(Rus)**

[Comparison of the visual and microphotometric assessment of the content of cytochemically detectable enzymes in blood leukocytes] Lazorik MI, et al. **Lab Delo** 1984; (8):494-5 (Eng. Abstr.) **(Rus)**

[Peroxidation and the antioxidation system in the blood in ontogenesis] Dubinina EE, et al. **Vopr Med Khim** 1984 Sep-Oct;30(5):28-33 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Increased degranulation of human myeloperoxidase-deficient polymorphonuclear leucocytes. Dri P, et al. **Br J Haematol** 1985 Jan;59(1):115-25

Automated differential white cell count (flow cytometry) in a case of eosinophilic total myeloperoxidase (MPO) deficiency [letter] Pasini L, et al. **Haematologica (Pavia)** 1985 Jan-Feb;70(1):83-5

Role of myeloperoxidase in respiratory burst of human polymorphonuclear leukocytes. Studies with myeloperoxidase-deficient subjects. Dri P, et al. **Inflammation** 1985 Mar;9(1):21-31

Pathochemical study of a case of hereditary cerebral degenerative disease--lipopigment accumulation and peroxidase deficiency in brain. Yamaguchi S, et al. **Tohoku J Exp Med** 1985 Feb;145(2):223-9

[Morphological, ultrastructural, cytochemical and functional analysis of neutrophils deficient in myeloperoxidase] Lanza F, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30;61(3):453-9 (Eng. Abstr.) **(Ita)**

[Myeloperoxidase deficiency: prevalence in Brescia Province and a study of microbicidal activity in granulocytes] Airo' R, et al. **Haematologica (Pavia)** 1985 Jan-Feb;70(1):12-8 (Eng. Abstr.) **(Ita)**

[Hereditary myeloperoxidase deficiency syndrome: clinical and hematologic features of 10 cases] Lanza F, et al. **Recenti Prog Med** 1985 Feb;76(2):71-8 (Eng. Abstr.) **(Ita)**

[Function and ultrastructure of peripheral blood neutrophils in a patient with granulocytic myeloperoxidase deficiency] Hrycek A, et al. **Pol Arch Med Wewn** 1985 Jan;73(1):49-55 (Eng. Abstr.) **(Pol)**

[Myeloperoxidase deficiency in polymorphonuclear cells of children with recurrent infections] Vázquez-Escobosa C, et al. **Bol Med Hosp Infant Mex** 1984 Nov;41(11):614-6 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Application of Con A-FITC and Con A-HRP conjugates in histological diagnostics of digestive tract tumours. Kolář Z, et al. **Acta Univ Palacki Olomuc Fac Med** 1985; 108:179-92

Nonspecific staining of mast cells by avidin-biotin-peroxidase technic [letter] Pittman DL. **Am J Clin Pathol** 1985 Jan; 83(1):134

Evaluation of beta-D-galactosidase from Escherichia coli and horseradish peroxidase as labels by sandwich enzyme immunoassay technique. Imagawa M, et al. **Ann Clin Biochem** 1984 Jul;21 (Pt 4):310-7

Experimental retinal detachment. VIII. Retinochoroidal horseradish peroxidase diffusion across the blood-retinal barrier. Toris CB, et al. **Arch Ophthalmol** 1985 Feb; 103(2):266-9

A quantitative comparison of the efficiency of orthograde axonal transport and transsynaptic transport of iodinated (125I) wheat germ agglutinin (I-WGA) and horseradish peroxidase labeled I-WGA (I-WGA-HRP) in the rat visual system. Rhodes CH, et al. **Brain Res** 1985 Jun 17; 336(2):376-80

Application of the avidin-biotin-peroxidase complex method to the light microscopic localization of the IgA in the tracheal mucosa and the thoracic lymph nodes of the rat. Santoni JP, et al. **Bull Eur Physiopathol Respir** 1985 Mar-Apr;21(2):191-2

A quantitative histochemical technique for the study of vascularization in tissue sections using horseradish peroxidase. Schwint AE, et al. **Histochem J** 1984 Aug; 16(8):907-11

Comparison of beta-D-galactosidase from Escherichia coli and horseradish peroxidase as labels of anti-human ferritin Fab' by sandwich enzyme immunoassay technique. Imagawa M, et al. **J Biochem (Tokyo)** 1984 Sep; 96(3):659-64

Which of the commonly used marker enzymes gives the best results in colorimetric and fluorimetric enzyme immunoassays: horseradish peroxidase, alkaline phosphatase or beta-galactosidase? Porstmann B, et al. **J Immunol Methods** 1985 May 10;79(1):27-37

Use of horseradish peroxidase and fluorescent dextrans to study fluid pinocytosis in leukocytes. Oliver JM, et al. **Methods Enzymol** 1984;108:336-47

An HRP study of neural pathways to neocortical olfactory areas in monkeys. Naito J, et al. **Neurosci Res** 1984 Feb; 1(1):19-33

Retrograde localization of the innervation of the middle cerebral artery with horseradish peroxidase in cats. Tsai SH, et al. **Neurosurgery** 1985 Apr;16(4):463-7

[Preparation of CT-HRP with domestic and foreign materials and comparison of their labeling effect] Cao CG, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):291-4 (Eng. Abstr.) **(Chi)**

[Immunohistology using protein A peroxidase and Helix pomatia lectin] Steigleder GK, et al. **Dermatol Monatsschr** 1984;170(9):564-7 (Eng. Abstr.) **(Ger)**

[Staining of glycoproteins on polyacrylamide gels: a note on Con A-peroxidase method] Ochiai H. **Seikagaku** 1984 Jun;56(6):406-8 **(Jpn)**

GENETICS

Myeloperoxidase is synthesized as larger phosphorylated precursor. Hasilik A, et al. **EMBO J** 1984 Nov;3(11):2671-6

IMMUNOLOGY

Interference of endogenous lactoperoxidase antibodies in a solid-phase immunosorbent radioassay for antibodies to protein hormones. Ericsson UB, et al. **Clin Chem** 1984 Nov; 30(11):1836-8

Inhalation of horseradish peroxidase by rabbits with specific IgE antibodies results in release into the circulation of platelet-activating factor and in lung lesions. Camussi G, et al. **Clin Immunol Immunopathol** 1985 Mar;34(3):333-44

Monoclonal antibodies against horseradish peroxidase. Viklický V, et al. **Folia Biol (Praha)** 1984;30(6):377-82

A trinitrophenyl(TNP)-poly-L-lysine-horseradish peroxidase conjugate for the detection of anti-TNP antibodies in vivo. Claassen E, et al. **J Histochem Cytochem** 1985 Aug;33(8):840-4

Binding of Fab-horseradish peroxidase conjugates by charge and not by immunospecificity. Pino RM. **J Histochem Cytochem** 1985 Jan;33(1):55-8

Isolated follicular dendritic cells: cytochemical antigen localization, Nomarski, SEM, and TEM morphology. Szakal AK, et al. **J Immunol** 1985 Mar;134(3):1349-59

TNP-enzyme conjugates for the detection of anti-TNP antibody producing cells in vivo. Claassen E, et al. **J Immunol Methods** 1984 Dec 14;75(1):181-8

[Antigenic relation between thyroid peroxidase and the microsomal antigen implicated in auto-immune diseases of the thyroid] Czarnocka B, et al. **C R Acad Sci [III]** 1985; 300(15):577-80 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Purification and characterization of an abscisic acid-inducible anionic peroxidase associated with suberization in potato (Solanum tuberosum). Espelie KE, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):539-45

Purification of bromoperoxidase from Corallina pilulifera. Itoh N, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):428-35

Purification of thyroid peroxidase by monoclonal antibody-assisted immunoaffinity chromatography. Nakagawa H, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):8-14

A micro-scale affinity-purification of Fab'-horseradish peroxidase conjugates and its use for sandwich enzyme immunoassay of insulin in human serum. Ruan K, et al. **Clin Chim Acta** 1985 Apr 15;147(2):167-72

Purification of bromoperoxidase from Pseudomonas aureofaciens. van Pée KH, et al. **J Bacteriol** 1985 Mar; 161(3):1171-5

Purification and properties of ovoperoxidase, the enzyme responsible for hardening the fertilization membrane of the sea urchin egg. Deits T, et al. **J Biol Chem** 1984 Nov 10; 259(21):13525-33

Crystal structure of yeast cytochrome c peroxidase refined at 1.7-A resolution. Finzel BC, et al. **J Biol Chem** 1984 Nov 10;259(21):13027-36

Human eosinophil peroxidase: purification and characterization. Carlson MG, et al. **J Immunol** 1985 Mar; 134(3):1875-9

[Development of a method of obtaining peroxidase conjugates with anti-immunoglobulin for immunoenzyme analysis] Iankina NF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jan;(1):35-40 (Eng. Abstr.) **(Rus)**

METABOLISM

An attempt to differentiate further between microglia and fluorescent granular perithelial (FGP) cells by their capacity to incorporate exogenous protein. Mato M, et al. **Am J Anat** 1985 Feb;172(2):125-40

Vesicular uptake of eosinophil peroxidase by guinea pig basophils and by cloned mouse mast cells and granule-containing lymphoid cells. Dvorak AM, et al. **Am J Pathol** 1985 Mar;118(3):425-38

Regulation of iodothyronine 5'-deiodination in lean and obese (ob/ob) mice. Hillgartner FB, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):E209-18

Enhancement of the horseradish peroxidase-catalyzed chemiluminescent oxidation of cyclic diacyl hydrazides by 6-hydroxybenzothiazoles. Thorpe GH, et al. **Anal Biochem** 1985 Feb 15;145(1):96-100

Membrane specializations and their relation to HRP transport in the medial habenular nucleus of the rat. Cupédo RN, et al. **Anat Embryol (Berl)** 1985;171(1):21-30

Transport of horseradish peroxidase across monkey trophoblastic epithelium in coated and uncoated vesicles. Wilson JM, et al. **Anat Rec** 1985 Feb;211(2):174-83

Effect of propranolol on peroxidase in tracheal epithelial cells. Watanabe K, et al. **Ann Otol Rhinol Laryngol** 1985 Jan-Feb;94(1 Pt 1):71-4

Peroxidase-mediated oxidation of isoniazid. Shoeb HA, et al. **Antimicrob Agents Chemother** 1985 Mar;27(3):399-403

Low-level luminescence from microsomes exposed to enzymatic systems that generate triplet species. Campa A, et al. **Arch Biochem Biophys** 1984 Dec;235(2):673-8

X-ray absorption studies of intermediates in peroxidase activity. Chance B, et al. **Arch Biochem Biophys** 1984 Dec; 235(2):596-611

Thyroid hormone synthesis and thyroglobulin iodination related to the peroxidase localization of oxidizing equivalents: studies with cytochrome c peroxidase and horseradish peroxidase. Deme D, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):559-66

Endocytosis of bovine lactoperoxidase by two carbohydrate-specific receptors in rat liver. Hildenbrandt GR, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):1-10

Biosynthesis of ascaridole: iodide peroxidase-catalyzed synthesis of a monoterpene endoperoxide in soluble extracts of Chenopodium ambrosioides fruit. Johnson MA, et al. **Arch Biochem Biophys** 1984 Nov 15;235(1):254-66

pH kinetic studies of the N-demethylation of N,N-dimethylaniline catalyzed by chloroperoxidase. Kedderis GL, et al. **Arch Biochem Biophys** 1984 Sep; 233(2):315-21

Conversion of alpha-amino acids and peptides to nitriles and aldehydes by bromoperoxidase. Nieder M, et al. **Arch Biochem Biophys** 1985 Jul;240(1):121-7

A rapid-scan spectrometric and stopped-flow study of compound I and compound II of Pseudomonas cytochrome c peroxidase. Rönnberg M, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):714-9

Decreased myeloperoxidase activity of mice polymorphonuclear leukocytes by lithium carbonate treatment. Gómez-Estrada H, et al. **Arch Invest Med (Mex)** 1984 Oct-Dec;15(4):287-91 **(Eng, Spa)**

Defective cold-induced stimulation of thyroxine 5'-deiodinase in brown adipose tissue of the genetically obese (ob/ob) mouse. Kates AL, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):188-93

Prostaglandin H synthase: an example of enzymic symbiosis. Kulmacz RJ, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):918-23

Generation of electronically excited species during enzymatic oxidation of chlorpromazine and related compound. Nakano M, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):952-6

A novel oxidation of the carcinogen N-hydroxy-N-2-fluorenylacetamide catalyzed by peroxidase/H2O2/Br-. Ritter CL, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):174-81

Thiyl radicals--formation during peroxidase-catalyzed metabolism of acetaminophen in the presence of thiols. Ross D, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):109-15

Production and identification of bityrosine in horseradish peroxidase-H2O2-tyrosine system. Ushijima Y, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):916-8

Oxidation of NAD dimers by horseradish peroxidase. Avigliano L, et al. **Biochem J** 1985 Mar 1;226(2):391-5

The nature of species prepared by photolysis of half-reduced, fully reduced and fully reduced carbonmonoxy-cytochrome c-551 peroxidase from Pseudomonas aeruginosa. Greenwood C, et al. **Biochem J** 1984 Oct 15;223(2):379-91

Transcytosis and paracellular movements of horseradish peroxidase across liver parenchymal tissue from blood to bile. Effects of alpha-naphthylisothiocyanate and colchicine. Lowe PJ, et al. **Biochem J** 1985 Jul 15; 229(2):529-37

Production of the superoxide adduct of myeloperoxidase (compound III) by stimulated human neutrophils and its reactivity with hydrogen peroxide and chloride. Winterbourn CC, et al. **Biochem J** 1985 Jun 15; 228(3):583-92

Electron-paramagnetic-resonance studies of structure and function of the two-haem enzymes Pseudomonas cytochrome c peroxidase and beef heart cytochrome c oxidase. Vänngård T. **Biochem Soc Trans** 1985 Jun; 13(3):619-22

High-resolution proton nuclear magnetic resonance spectroscopy of chloride peroxidase: identification of new forms of the enzyme. Goff HM, et al. **Biochemistry** 1985 Feb 12;24(4):1007-13

Kinetics and energetics of intramolecular electron transfer in yeast cytochrome c peroxidase. Ho PS, et al. **Biochemistry** 1984 Aug 28;23(18):4122-8

Mössbauer and electron paramagnetic resonance studies of horseradish peroxidase and its catalytic intermediates. Schulz CE, et al. **Biochemistry** 1984 Sep 25;23(20):4743-54

Myeloperoxidase reduces the opsonizing activity of immunoglobulin G and complement component C3b. Coble BI, et al. **Biochim Biophys Acta** 1984 Dec 20;802(3):501-5

A kinetic study of the alkaline transitions in cytochrome c peroxidase. Dhaliwal BK, et al. **Biochim Biophys Acta** 1985 Feb 4;827(2):174-82

5'-Iodothyronine deiodinase of rat liver: activity in microsomes prepared by various methods, solubilization by detergents and partial purification. Hummel BC, et al. **Biochim Biophys Acta** 1985 Aug 16;841(2):173-85

Peroxidation of liposomes in the presence of human erythrocytes and induction of membrane damage of erythrocytes by peroxidized liposomes. Kobayashi T, et al. **Biochim Biophys Acta** 1985 Mar 28;814(1):170-8

Effects of cycloheximide on inverse regulation of phenolic and nonphenolic ring deiodinases in monkey hepatocarcinoma cells. Sorimachi K. **Biochim Biophys Acta** 1985 Jan 18;844(1):55-61

Fluid phase and mannose receptor-mediated uptake of horseradish peroxidase in mouse bone marrow-derived macrophages. Biochemical and ultrastructural study. Lang T, et al. **Biol Cell** 1985;53(2):149-54

Topological analysis of wall mass transport using a luminescent immobilized enzymatic system. Nakache M, et al. **Biophys J** 1984 Sep;46(3):357-69

Myeloperoxidase and terminal deoxynucleotidyl transferase in leukemic cells [letter] Cattoretti G. **Blood** 1985 Jan; 65(1):249-50

Myeloperoxidase: its structure and expression during myeloid differentiation. Koeffler HP, et al. **Blood** 1985 Feb; 65(2):484-91

Simultaneous detection of membrane markers with monoclonal antibodies and peroxidatic activities in leukaemia: ultrastructural analysis using a new method of fixation preserving the platelet peroxidase. Breton-Gorius J, et al. **Br J Haematol** 1984 Nov;58(3):447-58

Immunochemical detection of diverse molecular species of horseradish peroxidase recovered from rat superior cervical ganglion following retrograde transport. Schmidt ML, et al. **Brain Res** 1985 Feb 25;328(1):65-72

Interneuronal transfer of axonally transported proteins: studies with HRP and HRP conjugates of wheat germ agglutinin, cholera toxin and the B subunit of cholera toxin. Trojanowski JQ, et al. **Brain Res** 1984 Oct 8;311(2):366-9

Increased pituitary thyroxine 5'-deiodinase activity in adult rats rendered hyper- or hypo-thyroid during perinatal life. Walker P. **Can J Physiol Pharmacol** 1985 Apr;63(4):279-82

Binding of benzo(a)pyrene with peroxidase and its oxidation by peroxidase-H2O2 intermediate. Akagawa S, et al. **Cancer Biochem Biophys** 1984 Sep;7(3):213-29

Reactive products formed by peroxidase catalyzed oxidation of p-phenetidine. Larsson R, et al. **Chem Biol Interact** 1984 Nov;52(1):1-14

Peroxidase-mediated irreversible binding of arylamine carcinogens to DNA in intact polymorphonuclear leukocytes activated by a tumor promoter. Tsuruta Y, et al. **Chem Biol Interact** 1985 Feb-Apr;53(1-2):25-35

Peroxidase-catalyzed benzidine binding to DNA and other macromolecules. Tsuruta Y, et al. **Chem Biol Interact** 1985 Jul;54(2):143-58

Phenols as enhancers of the chemiluminescent horseradish peroxidase-luminol-hydrogen peroxide reaction: application in luminescence-monitored enzyme immunoassays. Thorpe GH, et al. **Clin Chem** 1985 Aug; 31(8):1335-41

Morphological evidence for the transfer of anionic macromolecules from the interior of the eye to the blood stream. Raviola G, et al. **Curr Eye Res** 1985 Apr; 4(4):503-16

Superoxide dismutase and peroxidase are coordinately regulated in differentiated and transformed tissues of Nicotiana tabacum. Bremner TA, et al. **Differentiation** 1985;28(3):200-4

Mechanisms of N-demethylation reactions catalyzed by cytochrome P-450 and peroxidases. Hollenberg PF, et al. **Drug Metab Dispos** 1985 May-Jun;13(3):272-5

Stimulation of mammary epithelial cell growth in vitro:

interaction of epidermal growth factor and mammogenic hormones. Imagawa W, et al. **Endocrinology** 1985 Apr; 116(4):1514–24

Rapid and selective inner ring deiodination of thyroxine sulfate by rat liver deiodinase. Mol JA, et al. **Endocrinology** 1985 Jul;117(1):8–12

Thyroxine 5'-deiodinase activity in anterior pituitary glands transplanted under the renal capsule in the rat. St. Germain DL, et al. **Endocrinology** 1985 Jul;117(1):55–63

Cytosolic cofactors and dihydrolipoamide stimulate hepatic microsomal 5'-deiodination. Sawada K, et al. **Endocrinology** 1985 Sep;117(3):1259–63

Regulation of rat cerebrocortical and adenohypophyseal type II 5'-deiodinase by thyroxine, triiodothyronine, and reverse triiodothyronine. Silva JE, et al. **Endocrinology** 1985 Apr; 116(4):1627–35

Mechanism of enzymatic and non-enzymatic tyrosine iodination. Inhibition by excess hydrogen peroxide and/or iodide. Huwiler M, et al. **Eur J Biochem** 1985 Mar 15; 147(3):469–76

Oxygen binding to dithionite-reduced chloroperoxidase. Lambeir AM, et al. **Eur J Biochem** 1985 Feb 15;147(1):93–6

Spectral intermediates of prostaglandin hydroperoxidase. Nastainczyk W, et al. **Eur J Biochem** 1984 Oct 15; 144(2):381–5

NADPH oxidation catalyzed by the peroxidase/H2O2 system. Iodide-mediated oxidation of NADPH to iodinated NADP. Virion A, et al. **Eur J Biochem** 1985 Apr 15; 148(2):239–43

Horseradish peroxidase cross-reacts during cytochrome oxidase histochemistry. Price D, et al. **Exp Brain Res** 1985; 58(1):206–7

Ascorbic acid inhibits the activity of polymorphonuclear leukocytes in inflamed ocular tissues. Williams RN, et al. **Exp Eye Res** 1984 Sep;39(3):261–5

Lysosomal thyroid hormone 5'-deiodinase. Colquhoun EQ, et al. **FEBS Lett** 1984 Nov 19;177(2):221–6

Effect of ascorbic acid on the production of singlet oxygen by purified human myeloperoxidase. Kanofsky JR, et al. **FEBS Lett** 1985 Aug 5;187(2):299–301

Myeloperoxidase and intestinal inflammation [letter] Castro GA. **Gastroenterology** 1985 May;88(5 Pt 1):1294–5

Quantitative assay for acute intestinal inflammation based on myeloperoxidase activity. Assessment of inflammation in rat and hamster models. Krawisz JE, et al. **Gastroenterology** 1984 Dec;87(6):1344–50

Ultrastructural demonstration of iodine binding and peroxidase activity in the endostyle of Oikopleura dioica (Appendicularia). Fredriksson G, et al. **Gen Comp Endocrinol** 1985 May;58(2):319–27

Identical populations of phagocytes and dying neurons revealed by intravascularly injected horseradish peroxidase, and by endogenous glutaraldehyde-resistant acid phosphatase, in the brains of chick embryos. Clarke PG. **Histochem J** 1984 Sep;16(9):955–69

Cytochemical localization of peroxidase and hydrogen-peroxide-producing NAD(P)H-oxidase in thyroid follicular cells of propylthiouracil-treated rats. Mizukami Y, et al. **Histochemistry** 1985;82(3):263–8

Simultaneous ultrastructural demonstration of retrogradely transported horseradish peroxidase and choline acetyltransferase immunoreactivity. Záborszky L, et al. **Histochemistry** 1985;82(6):529–37

Localization of thyroxine 5'-monodeiodinase activity in the renal proximal tubules in rabbits and rats. Murayama N, et al. **Horm Metab Res** 1985 Apr;17(4):197–200

Peripheral deiodination of thyroid hormones in placenta and fetal membranes. Emerson CH, et al. **Horm Metab Res [Suppl]** 1984;14:56–62

Conversion of thyroxine to triiodothyronine in the anterior pituitary gland and the influence of this process on thyroid status. Kaplan MM, et al. **Horm Metab Res [Suppl]** 1984; 14:79–85

Biochemical characteristics of iodothyronine monodeiodination by rat liver microsomes: the interaction between iodothyronine substrate analogs and the ligand binding site of the iodothyronine deiodinase resembles that of the TBPA-iodothyronine ligand binding. Köhrle J, et al. **Horm Metab Res [Suppl]** 1984;14:42–55

Does glutathione regulate thyroxine deiodinase activity in cells? Sato K, et al. **Horm Metab Res [Suppl]** 1984;14:30–5

NALL-1, an acute lymphoblastic leukemia cell line with peroxidase activity. Yourno J, et al. **In Vitro** 1984 Nov; 20(11):884–8

Effect of gonadotropins and gonadal hormones on female fish thyroid peroxidase activity. Chakraborti P, et al. **Indian J Biochem Biophys** 1984 Apr;21(2):85–8

Peroxidase activities in human breast tumours in relation to menstrual status of the patients. Talukdar C, et al. **Indian J Med Res** 1984 Jun;79:801–5

Levels of salivary lysozyme, lactoperoxidase, and lactoferrin in diabetic hamsters. Muratsu K, et al. **Infect Immun** 1985 May;48(2):389–94

Oxidation of microbial iron-sulfur centers by the myeloperoxidase-H2O2-halide antimicrobial system. Rosen H, et al. **Infect Immun** 1985 Mar;47(3):613–8

Incorporation of bovine thyroid peroxidase in liposomes. Viniegra S, et al. **Int J Biochem** 1984;16(11):1167–70

Electron microscopic study of retrograde axonal transport of horseradish peroxidase. Feher E. **Int Rev Cytol** 1984; 90:1–29 (181 ref.)

In vitro studies of the effect of propylthiouracil and ronnel on thyroxine-5'-monodeiodinase activity in steers. Kahl S, et al. **J Anim Sci** 1985 Jul;61(1):197–202

Characterization of a monoclonal antibody to hog thyroid peroxidase and its use for immunohistochemical localization of the peroxidase in the thyroid gland. Nakagawa H, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1709–18

Peroxidase-catalyzed formation of triplet acetone and chemiluminescence from isobutyraldehyde and molecular oxygen. Baader WJ, et al. **J Biol Chem** 1985 Aug 25; 260(18):10217–25

Structure of an electron transfer complex. II. Chemical modification of carboxyl groups of cytochrome c peroxidase in presence and absence of cytochrome c. Bechtold R, et al. **J Biol Chem** 1985 Apr 25;260(8):5191–200

Evidence for a one-electron mechanism of 2-aminofluorene oxidation by prostaglandin H synthase and horseradish peroxidase. Boyd JA, et al. **J Biol Chem** 1984 Nov 25; 259(22):13885–96

pH-induced hysteretic transitions of ovoperoxidase. Deits T, et al. **J Biol Chem** 1985 Jul 5;260(13):7882–8

The formation of aminopyrine cation radical by the peroxidase activity of prostaglandin H synthase and subsequent reactions of the radical. Eling TE, et al. **J Biol Chem** 1985 Feb 10;260(3):1601–7

Purification and characterization of a cytosolic protein enhancing GSH-dependent microsomal iodothyronine 5'-monodeiodination. Goswami A, et al. **J Biol Chem** 1985 May 25;260(10):6012–9

Powder and single-crystal electron paramagnetic resonance studies of yeast cytochrome c peroxidase and its peroxide and its peroxide compound, Compound ES. Hori H, et al. **J Biol Chem** 1985 Jan 10;260(1):349–55

Reversible acidic-alkaline transition of the carbon monoxide complex of cytochrome c peroxidase. Iizuka T, et al. **J Biol Chem** 1985 Feb 10;260(3):1407–12

Spin trapping of the azidyl radical in azide/catalase/H2O2 and various azide/peroxidase/H2O2 peroxidizing systems. Kalyanaraman B, et al. **J Biol Chem** 1985 Apr 10; 260(7):4003–6

Mechanisms of thyroid peroxidase- and lactoperoxidase-catalyzed reactions involving iodide. Magnusson RP, et al. **J Biol Chem** 1984 Nov 25; 259(22):13783–90

Characterization of the oxidized states of bromoperoxidase. Manthey JA, et al. **J Biol Chem** 1985 Aug 15; 260(17):9654–9

Peroxidase-catalyzed O-demethylation reactions. Quinone-imine formation from 9-methoxyellipticine derivatives. Meunier G, et al. **J Biol Chem** 1985 Sep 5; 260(19):10576–82

Characterization of hog thyroid peroxidase. Ohtaki S, et al. **J Biol Chem** 1985 Jan 10;260(1):441–8

Heme-linked ionization of horseradish peroxidase compound II monitored by the resonance Raman Fe(IV)=O stretching vibration. Sitter AJ, et al. **J Biol Chem** 1985 Jun 25;260(12):7515–22

The generation of a hyperporphyrin spectrum upon thiol binding to ferric chloroperoxidase. Further evidence of endogenous thiolate ligation to the ferric enzyme. Sono M, et al. **J Biol Chem** 1984 Nov 10;259(21):13209–16

Resonance Raman evidence for the activation of dioxygen in horseradish oxyperoxidase. Van Wart HE, et al. **J Biol Chem** 1985 Jul 15;260(14):8372–7

Structure of an electron transfer complex. I. Covalent cross-linking of cytochrome c peroxidase and cytochrome c. Waldmeyer B, et al. **J Biol Chem** 1985 Apr 25; 260(8):5184–90

Assembly of the sea urchin fertilization membrane: isolation of proteoliaisin, a calcium-dependent ovoperoxidase binding protein. Weidman PJ, et al. **J Cell Biol** 1985 Mar; 100(3):938–46

Stabilization of the substrate reaction of horseradish peroxidase with o-phenylenediamine in the enzyme immunoassay. Porstmann T, et al. **J Clin Chem Clin Biochem** 1985 Jan;23(1):41–4

In vitro effect of estrogens on the peroxidase activity of human endometrium. Okada H, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):404–7

Iodothyronine 5'-deiodinase in rat kidney microsomes. Kinetic behavior at low substrate concentrations. Goswami A, et al. **J Clin Invest** 1984 Dec;74(6):2097–106

Biochemical requirements for singlet oxygen production by purified human myeloperoxidase. Kanofsky JR, et al. **J Clin Invest** 1984 Oct;74(4):1489–95

Metabolic effect of 3,3',5'-triiodothyronine in cultured growth hormone-producing rat pituitary tumor cells. Evidence for a unique mechanism of thyroid hormone action. St. Germain DL. **J Clin Invest** 1985 Aug;76(2):890–3

Anterograde axonal transport and intercellular transfer of WGA-HRP in trigeminal-innervated sensory receptors of rat incisive papilla. Chan KY, et al. **J Comp Neurol** 1985 Apr 8;234(2):201–17

Differences in permeability of microperoxidase and horseradish peroxidase into the alveolar bone of developing rats. Tanaka T, et al. **J Dent Res** 1985 Jun;64(6):870–6

Peroxidase-distribution pattern in rat maturation-ameloblast layer, as revealed by high-resolution scanning electron microscopy. Sasaki T, et al. **J Electron Microsc (Tokyo)** 1984;33(2):168–71

Peroxidase-catalysed iodotyrosine formation in dispersed cells of mouse extrathyroidal tissues. Banerjee RK, et al. **J Endocrinol** 1985 Aug;106(2):159–65

Association of peroxidase enzyme defect and low thyroglobulin content in a case of endemic cretinism. Ait Hammou N, et al. **J Endocrinol Invest** 1985 Jun;8(3):257–62

Endogenous peroxidase in the visceral endoderm of early mouse embryos. Balakier H. **J Exp Zool** 1984 Aug; 231(2):243–8

Peroxidase activity in the epithelium of the digestive tract of the bullfrog, Rana catesbeiana. Sugimoto K, et al. **J Exp Zool** 1985 Feb;233(2):209–19

Comparative study of conjugation between horseradish peroxidase and D-cytochrome b5. Incorporation into subcellular membranes. Collot M, et al. **J Histochem Cytochem** 1985 Jun;33(6):523–30

Horseradish peroxidase: factors affecting its distribution after retrograde infusion into the rat parotid gland. Mazariegos MR, et al. **J Histochem Cytochem** 1985 Sep;33(9):942–50

A perfusion-fixation procedure for the concurrent demonstration of Timm's, horseradish peroxidase (HRP), and acethycholinesterase (AChE) histochemistry. Moss MB, et al. **J Histochem Cytochem** 1984 Oct;32(10):1113–6

Extracellular release of rat eosinophil peroxidase (EPO) I. Role of anaphylactic immunoglobulins. Khalife J, et al. **J Immunol** 1985 Mar;134(3):1968–74

Myeloperoxidase-induced inactivation of alpha 1-antiprotease in hamsters. Zaslow MC, et al. **J Lab Clin Med** 1985 Feb;105(2):178–84

One-electron oxidation of vindoline and 16-O-acetylvindoline catalyzed by peroxidase. Sariaslani FS, et al. **J Med Chem** 1985 May;28(5):629–33

Uptake of horseradish peroxidase in denervated skeletal muscle occurs primarily at the endplate region. Libelius R, et al. **J Neurol Sci** 1984 Nov-Dec;66(2-3):273–81

A new stabilizing agent for the tetramethyl benzidine (TMB) reaction product in the histochemical detection of horseradish peroxidase (HRP). Olucha F, et al. **J Neurosci Methods** 1985 Apr;13(2):131–8

The permeability of hyperplastic oral epithelium. Squier CA, et al. **J Oral Pathol** 1985 May;14(5):357–62

Metabolism of estradiol by true and pseudoperoxidases. Jellinck PH, et al. **J Steroid Biochem** 1985 Jun; 22(6):699–704

Depression of estrogen-induced uterine peroxidase in alloxan-diabetic rats. Piyachaturawat P, et al. **J Steroid Biochem** 1984 Dec;21(6):685–90

Changes in the structure of somato-sensitive neurons in cat following retrograde uptake of HRP. Osculati F, et al. **J Submicrosc Cytol** 1985 Jan;17(1):65–74

Evaluation of ELISA with ABTS, 2-2'-azino-di-(3-ethylbenzthiazoline sulfonic acid), as the substrate of peroxidase and its application to the diagnosis of schistosomiasis. Matsuda H, et al. **Jpn J Exp Med** 1984 Jun;54(3):131–8

Relationship between leukopenia and bone marrow myeloperoxidase in the rat treated with propylthiouracil. Kariya K, et al. **Jpn J Pharmacol** 1984 Oct;36(2):217–22

Ultrastructure of human basophils developing in vitro. Evidence for the acquisition of peroxidase by basophils and for different effects of human and murine growth factors on human basophil and eosinophil maturation. Dvorak AM, et al. **Lab Invest** 1985 Jul;53(1):57–71

Increase of the peroxidase activity of mouse submaxillary gland by reserpine. Chakraborty R, et al. **Life Sci** 1984 Nov 5;35(19):1913–9

Peroxidatic degradation and ether link cleavage of thyroxine in a particulate fraction of human thyroid. Kubota K, et al. **Life Sci** 1985 Mar 18;36(11):1033–9

Mode of death effect on rat liver iodothyronine 5' deiodinase activity: role of adenosine 3',5' monophosphate. Zenker N, et al. **Life Sci** 1984 Nov 26;35(22):2213–7

3'-Monoiodothyronine degradation in rat liver homogenate: enzyme characteristics and documentation of deiodination by high-pressure liquid chromatography. Smallridge RC, et al. **Metabolism** 1984 Nov;33(11):1034–8

Protein bromination by bromoperoxidase from Penicillus capitatus. Manthey JA, et al. **Methods Enzymol** 1984; 107:439–45

Iodination by thyroid peroxidase. Neary JT, et al. **Methods Enzymol** 1984;107:445–75

Thyroid hormones: mechanism of phenoxy ether formation. Nunez J. **Methods Enzymol** 1984;107:476–88

Iodotyrosine deiodinase from bovine thyroid. Rosenberg IN, et al. **Methods Enzymol** 1984;107:488–500

Modified immunodiffusion and peroxidase staining methods to detect Escherichia coli nitrite reductase and other sirohaem-containing proteins. Tang ZJ, et al. **Microbios** 1984;40(161-162):153–60

Deiodination of T4 to T3 and rT3 by microsomes from normal human thyroid tissue. Boye N, et al. **Mol Cell Endocrinol** 1984 Oct;37(3):295–9

Relation between thyroid peroxidase, H2O2 generating system and NADPH-dependent reductase activities in thyroid particulate fractions. Michot JL, et al. **Mol Cell Endocrinol** 1985 Jul;41(2-3):211–21

Biological chemiluminescence. Cadenas E. **Photochem Photobiol** 1984 Dec;40(6):823–30 (84 ref.)

Endogenous peroxidase activity in mononuclear phagocytes. Deimann W. **Prog Histochem Cytochem** 1984;15(2):1–58 (143 ref.)

Enhanced prostacyclin generation by phenolic compounds acting as a tryptophan-like cofactor of PG hydroperoxidase. Harada Y, et al. **Prostaglandins** 1984 Sep; 28(3):367–81

NEWARK PUBLIC LIBRARY

The permeability of the blood-brain barrier to protein in the post-hypoxic cerebral edema of the rat. Ushijima K, et al. **Resuscitation** 1984 Nov;12(3):167-74

Detection of lactoferrin and myeloperoxidase release from single neutrophils by a protein A plaque assay. Richter J, et al. **Scand J Immunol** 1984 Oct;20(4):349-53

The distribution and function of peroxidases in the respiratory tract. Christensen TG. **Surv Synth Pathol Res** 1984; 3(3):201-18 (189 ref.)

[Demonstration of the O-demethylation reaction catalyzed by a peroxidase: application to 9-methoxyellipticine] Meunier G, et al. **C R Acad Sci [III]** 1984;299(15):629-32 (Eng. Abstr.) **(Fre)**

[Demonstration of exogenous horseradish peroxidase in the main part of male and female rat kidney] Falk N. **Z Mikrosk Anat Forsch** 1984;98(3):451-64 (Eng. Abstr.) **(Ger)**

[Reduction of the function of polymorphonucleocytes: chemotaxis and myeloperoxidases in viral infections in childhood] Salmerón Escobar FJ, et al. **An Esp Pediatr** 1984 Aug;21(2):113-8 (Eng. Abstr.) **(Spa)**

[Thermal inactivation of the enzymes polyphenoloxidase and peroxidase in Swiss chard (Beta vulgaris, cicla)] Garrote RL, et al. **Arch Latinoam Nutr** 1984 Mar;34(1):198-216 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Antibacterial effect of lactoperoxidase and myeloperoxidase against Bacillus cereus. Tenovuo J, et al. **Antimicrob Agents Chemother** 1985 Jan;27(1):96-101

Neutrophils autoinactivate secretory products by myeloperoxidase-catalyzed oxidation. Clark RA, et al. **Blood** 1985 Feb;65(2):375-81

Identification of the N-acetylcysteine conjugate of benzidine formed in the peroxidase activation system. Josephy PD, et al. **Carcinogenesis** 1985 Jan;6(1):155-8

NADPH oxidation catalyzed by the peroxidase/H2O2 system. Guaiacol-mediated and scopoletin-mediated oxidation of NADPH to NADPH+. Michot JL, et al. **Eur J Biochem** 1985 May 2;148(3):441-5

Phorbol esters and horseradish peroxidase stimulate pinocytosis and redirect the flow of pinocytosed fluid in macrophages. Swanson JA, et al. **J Cell Biol** 1985 Mar; 100(3):851-9

Hypotensive effects in cats caused by horseradish peroxidase mediated by metabolites of arachidonic acid. Sjaastad OV, et al. **J Histochem Cytochem** 1984 Dec;32(12):1328-30

Down-regulation of human natural killer activity against tumors by the neutrophil myeloperoxidase system and hydrogen peroxide. El-Hag A, et al. **J Immunol** 1984 Dec; 133(6):3291-7

Mouse peritoneal macrophages plated on mannan- and horseradish peroxidase-coated substrates lose the ability to phagocytose by their Fc receptors. Sung SS, et al. **J Immunol** 1985 Jun;134(6):3712-7

Toxic effect of products of oxidative metabolism on the yeast form of Paracoccidioides brasiliensis. McEwen JG, et al. **J Med Microbiol** 1984 Dec;18(3):423-8

Observations on the cytolytic activity of lactoperoxidase using a continuous assay. McFaul SJ, et al. **Proc Soc Exp Biol Med** 1985 Jul;179(3):331-7

Dearylation and other cleavage reactions of diethylstilbestrol: novel oxidative pathways mediated by peroxidases. Metzler M, et al. **Xenobiotica** 1985 Jan;15(1):41-9

PHYSIOLOGY

Relationship of the human salivary peroxidase system to oral health. Tenovuo J, et al. **J Oral Pathol** 1984 Dec; 13(6):573-84

RADIATION EFFECTS

The riboflavin-sensitized photooxidation of horseradish apoperoxidase. Silva E, et al. **Radiat Environ Biophys** 1985; 24(1):57-61

SECRETION

Vasoactive intestinal polypeptide stimulation of protein secretion from rat lacrimal gland acini. Dartt DA, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):G502-9

THERAPEUTIC USE

Antitumour activity of peroxidases. Everse KE, et al. **Br J Cancer** 1985 May;51(5):743-6

Candidacidal activity of myeloperoxidase: therapeutic influence of the enzyme in vivo. Wright CD, et al. **Infect Immun** 1985 Feb;47(2):363-5

TOXICITY

Oxidant membrane injury by the neutrophil myeloperoxidase system. I. Characterization of a liposome model and injury by myeloperoxidase, hydrogen peroxide, and halides. Sepe SM, et al. **J Immunol** 1985 Mar;134(3):1888-95

Oxidant membrane injury by the neutrophil myeloperoxidase system. II. Injury by stimulated neutrophils and protection by lipid-soluble antioxidants. Sepe SM, et al. **J Immunol** 1985 Mar;134(3):1896-901

PEROXIDES

Studies of the reactivity of HO2/O2- with unsaturated hydroperoxides in ethanolic solutions. Thomas MJ, et al. **Arch Biochem Biophys** 1984 Sep;233(2):772-5

Primary arylamine oxidation by a flavinhydroperoxide. A study of the basis for the substrate specificity of the flavoprotein monooxygenase. Doerge DR, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3615-9

Influence of phospholipid peroxidation on the phase behavior of phosphatidylcholine and phosphatidylethanolamine in aqueous dispersions. van Duijn G, et al. **Biochemistry** 1984 Oct 9;23(21):4969-77

Excited-state controlled peroxide formation of DNA. Parlar H. **Ecotoxicol Environ Safety** 1985 Aug;10(1):120-7

Degradation mediated OH radical generation from synthetic cyclic peroxides: ESR studies. Matsugo S, et al. **FEBS Lett** 1985 May 6;184(1):25-9

[Study of radicals formed in the interaction of organic hydroperoxides with ferric ions using the spin trap method] Osipov AN, et al. **Biofizika** 1984 Jul-Aug;29(4):533-6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[A new drug combination for the topical treatment of acne. Miconazole 2% + benzoyl peroxide 5% versus benzoyl peroxide 5%--a double-blind study] Reinel D, et al. **Z Hautkr** 1985 Apr 15;60(8):648-50, 653-6 (Eng. Abstr.) **(Ger)**

[Katoxyn spray in the topical therapy of burns of intermediate degree] Donati L, et al. **Minerva Chir** 1984 Sep 15; 39(17):1177-81 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Benzoyl peroxide contact allergy in leg ulcer patients. Agathos M, et al. **Contact Dermatitis** 1984 Nov;11(5):316-7

Skin cancer: risk to individuals using the tumour promoter benzoyl peroxide for acne treatment. Jones GR. **Hum Toxicol** 1985 Jan;4(1):75-8

Initiation and promotion in experimental oral carcinogenesis. Odukoya O, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep;58(3):315-20

Nasal mucosa changes after exposure to dicumylperoxide. Petruson B, et al. **Rhinology** 1985 Jun;23(2):118-20

ANALYSIS

The reaction of horseradish peroxidase with hydroperoxides derived from Triton X-100. Miki T, et al. **Anal Biochem** 1985 Apr;146(1):28-34

Liquid chromatographic determination of benzoyl peroxide in acne preparations. Chou CK, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):913-5

Determination of thenoyl peroxide by high-performance liquid chromatography. Jonvel P, et al. **J Chromatogr** 1984 Aug 17;298(1):193-7

Spectrophotometric method for quantitation of peroxides in sorbitan monooleate and monostearate. Magill A, et al. **J Pharm Sci** 1984 Nov;73(11):1663-4

A novel sterol peroxide from the sea anenome Metridium senile. Findlay JA, et al. **Steroids** 1984 Sep;44(3):261-5

BIOSYNTHESIS

[DNA damage in the cells of human peripheral blood subjected to endogenous and exogenous factors] Fedorov NA, et al. **Gematol Transfuziol** 1985 Jun;30(6):50-5 (77 ref.) **(Rus)**

BLOOD

The effect of paraquat on the peroxide metabolism enzymes in erythrocytes of freshwater fish species. Gabryelak T, et al. **Comp Biochem Physiol [C]** 1985;81(2):415-8

Quantitative measurement of the total, peroxyl radical-trapping antioxidant capability of human blood plasma by controlled peroxidation. The important contribution made by plasma proteins. Wayner DD, et al. **FEBS Lett** 1985 Jul 22;187(1):33-7

CHEMICAL SYNTHESIS

Hydroperoxyflavin-mediated oxidations of organosulfur compounds. Model studies for the flavin monooxygenase. Doerge DR, et al. **Mol Pharmacol** 1984 Sep;26(2):348-52

ISOLATION & PURIFICATION

A simple procedure for removing contaminating aldehydes and peroxides from aqueous solutions of polyethylene glycols and of nonionic detergents that are based on the polyoxyethylene linkage. Ray WJ Jr, et al. **Anal Biochem** 1985 May 1;146(2):307-12

METABOLISM

Effects of glucose and thiol depletion on chemically-induced peroxide production in mammalian cells. Varnes ME, et al. **Adv Exp Med Biol** 1984;180:663-72

Quantitative and mechanistic aspects of the hydroperoxide-induced release of Ca2+ from rat liver mitochondria. Frei B, et al. **Eur J Biochem** 1985 Jun 18; 149(3):633-9

Interaction of cytochrome P-450 with a hydroperoxide derived from butylated hydroxytoluene. Mechanism of isomerization. Thompson JA, et al. **J Biol Chem** 1985 Sep 5;260(19):10637-44

Characterization of iron-mediated peroxidative injury in isolated hepatic lysosomes. Mak IT, et al. **J Clin Invest** 1985 Jan;75(1):58-63

Effect of selenium deficiency on hydroperoxide-induced glutathione release from the isolated perfused rat heart. Xia YM, et al. **J Nutr** 1985 Jun;115(6):733-42

Peroxide-producing potential of tissues: inverse correlation with longevity of mammalian species. Cutler RG. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4798-802

[Penetration of benzoyl peroxide in the skin] Seubert S, et al. **Hautarzt** 1984 Sep;35(9):455-8 (Eng. Abstr.) **(Ger)**

[Enzymes utilizing hydroperoxides and O ./2 in the myocardium of rats of different ages] Lemeshko VV, et al. **Biull Eksp Biol Med** 1985 May;99(5):563-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Vasoconstriction of carotid artery induced by hydroperoxides. Heinle H. **Arch Int Physiol Biochim** 1984 Nov;92(4):267-71

Changes in oxygen consumption induced by t-butyl hydroperoxide in perfused rat liver. Effect of free-radical scavengers. Videla LA, et al. **Biochem J** 1984 Nov 1; 223(3):879-83

Effect of t-butyl hydroperoxide on liver microsomal membranes and microsomal calcium sequestration. Moore L. **Biochim Biophys Acta** 1984 Nov 7;777(2):216-20

t-butyl hydroperoxide-induced perturbations of human erythrocytes as a model for oxidant stress. Rice-Evans C, et al. **Biochim Biophys Acta** 1985 May 28;815(3):426-32

Sebum suppression by benzoylperoxide. Schmidt JB, et al. **Dermatologica** 1985;170(4):165-9

The antimicrobial properties of magnesium monoperoxyphthalate hexahydrate. Baldry MG. **J Appl Bacteriol** 1984 Dec;57(3):499-503

Mechanism of the differentiating action of 25-hydroxyvitamin D3 endoperoxides in human myeloid leukemia cells (HL-60). Shiina Y, et al. **J Med Chem** 1985 Sep;28(9):1153-8

[Effects of oxidants and antioxidants on chromosome breaks in Fanconi's anemia] Porfirio B, et al. **Pathologica** 1983;75 Suppl:296-300 **(Ita)**

THERAPEUTIC USE

Enhancing acne medication compliance: a comparison of strategies. Flanders PA, et al. **Behav Res Ther** 1985; 23(2):225-7

Prediction of compliance with an over-the-counter acne medication. Flanders P, et al. **J Psychol** 1984 Sep;118(1ST Half):31-6

[Evaluation of the efficacy of benzoyl peroxide at high concentrations. Therapeutic and microbiological study] Mallol Mirón J, et al. **Med Clin (Barc)** 1984 Nov 24; 83(17):705-7 (Eng. Abstr.) **(Spa)**

TOXICITY

Peroxide-induced membrane damage in human erythrocytes. van der Zee J, et al. **Biochim Biophys Acta** 1985 Aug 8; 818(1):38-44

Effects of formaldehyde, acetaldehyde, benzoyl peroxide, and hydrogen peroxide on cultured normal human bronchial epithelial cells. Saladino AJ, et al. **Cancer Res** 1985 Jun; 45(6):2522-6

Effects of tumor promoters, aldehydes, peroxides, and tobacco smoke condensate on growth and differentiation of cultured normal and transformed human bronchial cells. Harris CC, et al. **Carcinog Compr Surv** 1985;8:159-71

Benzoyl peroxide promotion of transformation of JB6 mouse epidermal cells: inhibition by ganglioside GT but not retinoic acid. Gindhart TD, et al. **Carcinogenesis** 1985 Feb; 6(2):309-11

Skin-tumour promoting activity of methyl ethyl ketone peroxide--a potent lipid-peroxidizing agent. Logani MK, et al. **Food Chem Toxicol** 1984 Nov;22(11):879-82

Cationization of catalase, peroxidase, and superoxide dismutase. Effect of improved intraarticular retention on experimental arthritis in mice. Schalkwijk J, et al. **J Clin Invest** 1985 Jul;76(1):198-205

Assay methods for antihepatotoxic activity using peroxide-induced cytotoxicity in primary cultured hepatocytes. Kiso Y, et al. **Planta Med** 1985 Feb;(1):50-2

PEROXISOMES see **MICROBODIES**

PERPHENAZINE

ADVERSE EFFECTS

Black galactorrhea as a consequence of minocycline and phenothiazine therapy. Basler RS, et al. **Arch Dermatol** 1985 Mar;121(3):417-8

ANALYSIS

Quantitative determination of perphenazine and its dealkylated metabolite using high-performance liquid chromatography. Larsen NE, et al. **J Chromatogr** 1985 May 31;341(1):244-50

THERAPEUTIC USE

The pharmacological treatment of delusional depression. Spiker DG, et al. **Am J Psychiatry** 1985 Apr;142(4):430-6

NEWARK PUBLIC LIBRARY

[Clinical findings and test results in a group of patients with headaches treated with amitriptyline as compared with perphenazine] Pisani RA, et al. **Clin Ter** 1985 Apr 30; 113(2):117-23 (Eng. Abstr.) **(Ita)**

PERSISTENT FETAL CIRCULATION SYNDROME

Symposium on neonatal pulmonary hypertension. **Clin Perinatol** 1984 Oct;11(3):515-755

Future research directions in persistent pulmonary hypertension of the newborn. Soifer SJ, et al. **Clin Perinatol** 1984 Oct;11(3):745-55 (72 ref.)

CLASSIFICATION

Neonatal pulmonary hypertension: pathophysiology, classification, and etiology. Gersony WM. **Clin Perinatol** 1984 Oct;11(3):517-24

COMPLICATIONS

Hearing loss and persistent pulmonary hypertension [letter] Horgan M. **Am J Dis Child** 1985 Sep;139(9):858-9

Persistent fetal circulation. Neurodevelopmental outcome. Sell EJ, et al. **Am J Dis Child** 1985 Jan;139(1):25-8

Bochdalek's hernia in the newborn--6 years' experience. Yokoyama T, et al. **Hiroshima J Med Sci** 1984 Dec; 33(4):697-702

DIAGNOSIS

Use of the rebreathing method in the differential diagnosis of congenital heart disease and persistent fetal circulation. Galioto FM Jr, et al. **Am J Cardiol** 1984 Dec 1; 54(10):1305-9

Cerebral arteriovenous malformation presenting as persistent fetal circulation. Diagnosis by cross-sectional echo. Long WA, et al. **Am J Perinatol** 1984 Apr;1(3):236-41

Persistent pulmonary hypertension in a very low birthweight preterm infant. Watchko JF. **Clin Pediatr (Phila)** 1985 Oct; 24(10):592-5

Noninvasive assessment of cardiac function and pulmonary hypertension in persistent pulmonary hypertension of the newborn. Henry GW. **Clin Perinatol** 1984 Oct;11(3):627-40

False diagnosis of persistent fetal circulation caused by misplacement of umbilical artery catheter. Alpan G, et al. **South Med J** 1985 Aug;78(8):1002-4

DRUG THERAPY

Use of cardiotonic therapy in the management of infants with PPHN. Drummond WH. **Clin Perinatol** 1984 Oct; 11(3):715-28

Pulmonary vasodilator therapy in persistent pulmonary hypertension of the newborn. Kulik TJ, et al. **Clin Perinatol** 1984 Oct;11(3):693-701

ETIOLOGY

Association of elective repeat cesarean delivery and persistent pulmonary hypertension of the newborn. Heritage CK, et al. **Am J Obstet Gynecol** 1985 Jul 15;152(6 Pt 1):627-9

Structural cardiovascular abnormalities presenting as persistent pulmonary hypertension of the newborn. Long WA. **Clin Perinatol** 1984 Oct;11(3):601-26

Prostaglandin synthesis inhibition in persistent pulmonary hypertension of the newborn. Turner GR, et al. **Clin Perinatol** 1984 Oct;11(3):581-9

MORTALITY

Mortality of persistent pulmonary hypertension of the newborn [letter] Sepkowitz S. **Am J Dis Child** 1985 Feb; 139(2):115-6

NURSING

Nursing care of the infant with persistent pulmonary hypertension of the newborn. Beachy P, et al. **Clin Perinatol** 1984 Oct;11(3):681-92

PATHOLOGY

The structural basis of PPHN. Geggel RL, et al. **Clin Perinatol** 1984 Oct;11(3):525-49 (102 ref.)

SURGERY

[A survival case of persistent fetal circulation following surgery of diaphragmatic hernia by ligature of the ductus arteriosus] Ihara K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Sep;32(9):1375-80 (Eng. Abstr.) **(Jpn)**

THERAPY

Use of extracorporeal membrane oxygenators in persistent pulmonary hypertension of the newborn. Andrews AF, et al. **Clin Perinatol** 1984 Oct;11(3):729-35

Developmental follow-up of infants with persistent pulmonary hypertension of the newborn. Ballard RA, et al. **Clin Perinatol** 1984 Oct;11(3):737-44

Use of mechanical ventilation for clinical management of persistent pulmonary hypertension of the newborn. Duara S, et al. **Clin Perinatol** 1984 Oct;11(3):641-52

Oxygen toxicity and other ventilatory complications of treatment of infants with persistent pulmonary hypertension. Hansen TN, et al. **Clin Perinatol** 1984 Oct; 11(3):653-72 (139 ref.)

Chronic lung disease following hypocapneic alkalosis for persistent pulmonary hypertension [letter] Beck R. **J Pediatr** 1985 Mar;106(3):527-8

PERSISTENT PULMONARY HYPERTENSION OF NEWBORN see **PERSISTENT FETAL CIRCULATION SYNDROME**

PERSONAL EXPENDITURES see **FINANCING, PERSONAL**

PERSONAL HEALTH SERVICES

Health maintenance for adults. Kirk LM. **Am J Med Sci** 1985 May;289(5):215-20

[Physicians and patient-prisoners. Sociological aspects of penitentiary medicine at the Champ-Dollon prison in Geneva] von Allmen M, et al. **Rev Med Suisse Romande** 1985 Jan;105(1):73-83 **(Fre)**

ECONOMICS

Are adolescents able and willing to pay the fee for confidential health care? Fisher M, et al. **J Pediatr** 1985 Sep;107(3):480-3

UTILIZATION

The national profile of access to medical care: where do we stand? Aday LA, et al. **Am J Public Health** 1984 Dec; 74(12):1331-9

Self-care. Substitute, supplement, or stimulus for formal medical care services? Fleming GV, et al. **Med Care** 1984 Oct;22(10):950-66

PERSONAL SATISFACTION

The Golombok-Rust Inventory of Sexual Satisfaction (GRISS). Rust J, et al. **Br J Clin Psychol** 1985 Feb;24 (Pt 1):63-4

Differentiating dental satisfaction in Finns by means of discriminant analyses. Murtomaa H, et al. **Community Dent Oral Epidemiol** 1985 Feb;13(1):7-10

Constraints, satisfaction and residential mobility: Speare's model reconsidered. Landale NS, et al. **Demography** 1985 May;22(2):199-222

Work, retirement, and well-being among unmarried men and women. Keith PM. **Gerontologist** 1985 Aug;25(4):410-6

Health and subjective well-being: a replicated secondary data analysis. George LK, et al. **Int J Aging Hum Dev** 1984; 19(2):133-56

The relationship between life goals at thirty and perceptions of goal attainment and life satisfaction at seventy for gifted men and women. Holahan CK. **Int J Aging Hum Dev** 1984-85;20(1):21-31

Predictors of retirement satisfaction: a path model. Kremer Y. **Int J Aging Hum Dev** 1984-85;20(2):113-21

Investigating health and subjective well-being: substantive challenges. Lawton MP. **Int J Aging Hum Dev** 1984; 19(2):157-66

Investigating health and subjective well-being: methodological challenges. Light RJ. **Int J Aging Hum Dev** 1984;19(2):167-72

The relationship between health and life satisfaction: a comparative analysis of three research synthesis techniques. Introductory comments. Okun MA, et al. **Int J Aging Hum Dev** 1984;19(2):81-3

Health and subjective well-being: a meta-analysis. Okun MA, et al. **Int J Aging Hum Dev** 1984;19(2):111-32

The influence of self-ascribed handicapped status on the positive and negative affect of the elderly. Stutsman HR, et al. **Int J Aging Hum Dev** 1984-85;20(4):283-91

Subjective well-being and physical health: a narrative literature review with suggestions for future research. Zautra A, et al. **Int J Aging Hum Dev** 1984;19(2):91-110 (75 ref.)

Modular vs. traditional curriculum. A comparison of student dissatisfactions. George LA, et al. **J Am Coll Dent** 1985 Summer;52(2):20-5

Factors predicting pregnancy resolution decision satisfaction of unmarried adolescents. Eisen M, et al. **J Genet Psychol** 1984 Dec;145(2D Half):231-9

An empirical test for phases of retirement: findings from the Normative Aging Study. Ekerdt DJ, et al. **J Gerontol** 1985 Jan;40(1):95-101

Intergenerational solidarity and psychological well-being among older Mexican Americans: a three-generations study. Markides KS, et al. **J Gerontol** 1985 May;40(3):390-2

A comparison of physical health and psychosocial variables as predictors of reaction time and serial learning performance in elderly men. Milligan WL, et al. **J Gerontol** 1984 Nov;39(6):704-10

Socioeconomic comparisons and life satisfaction of elderly adults. Usui WM, et al. **J Gerontol** 1985 Jan;40(1):110-4

Factor invariance and the Life Satisfaction Index. Wilson GA, et al. **J Gerontol** 1985 May;40(3):344-6

The effects of private self-consciousness and perspective taking on satisfaction in close relationships. Franzoi SL, et al. **J Pers Soc Psychol** 1985 Jun;48(6):1584-94

Life satisfaction for military wives. Martin JA. **Milit Med** 1984 Sep;149(9):512-4

The closing at Canadian Admiral: correlates of individual well-being sixteen months after shutdown. Burke RJ. **Psychol Rep** 1984 Aug;55(1):91-8

Predicting change in life satisfaction as a function of group counseling. Evans RL, et al. **Psychol Rep** 1984 Aug; 55(1):199-204

Life satisfaction and depression among retired black persons. Farakhan A, et al. **Psychol Rep** 1984 Oct;55(2):452-4

Geropsychology: meaning in life for elderhostelers. McCarthy SV. **Psychol Rep** 1985 Apr;56(2):351-4

Sexual dissatisfaction of female alcoholics. Peterson JS, et al. **Psychol Rep** 1984 Dec;55(3):744-6

Status of life-areas: congruence/noncongruence in ESRD patient and spouse perceptions. Gray H, et al. **Soc Sci Med** 1985;20(4):341-6

Women's satisfaction with partners' penile implant. Inflatable vs noninflatable prosthesis. Beutler LE, et al. **Urology** 1984 Dec;24(6):552-8

[Correlations between life satisfaction, perception of health status and activities of the aged] Couet S, et al. **Can J Public Health** 1984 Jul-Aug;75(4):289-93 (Eng. Abstr.) **(Fre)**

[Concept of the 'unfulfilled life' in the work of Viktor von Weizsäcker] Zacher A. **Psychother Psychosom Med Psychol** 1984 Sep-Oct; 34(9-10):237-41 (Eng. Abstr.) **(Ger)**

PERSONAL SPACE see under **SPATIAL BEHAVIOR**

PERSONALITY

Psychometric analysis of behavior pattern A in the Spanish population and its relationship with personality variables. de Flores T, et al. **Act Nerv Super (Praha)** 1985 Jun; 27(2):73-80

Pain, affective life and memory impairment: study on 26 headache patients. Covelli V, et al. **Acta Neurol (Napoli)** 1984 Dec;6(6):455-61

Down syndrome revisited. Patzer H. **Acta Paediatr Hung** 1984;25(1-2):139-44

The relationship of personality to social network aspects and loneliness in depressed patients. Eisemann M. **Acta Psychiatr Scand** 1984 Oct;70(4):337-41

A psychological study of the personalities of XYY- and XXY-men. Theilgaard A. **Acta Psychiatr Scand [Suppl]** 1984;315:1-133

A study of the dependency of elderly patients in wards using different methods of nursing care. Miller A. **Age Ageing** 1985 May;14(3):132-8

The relationship between wives' social and psychologic status and their husbands' coronary heart disease. A case-control family study from the Western Collaborative Group Study. Carmelli D, et al. **Am J Epidemiol** 1985 Jul;122(1):90-100

Personality patterns seen in irritable bowel syndrome patients. Bergeron CM, et al. **Am J Gastroenterol** 1985 Jun; 80(6):448-51

Temperament and infant mortality among the Masai of East Africa. deVries MW. **Am J Psychiatry** 1984 Oct; 141(10):1189-94

Value of difficult temperament among 7-year-olds in the general population for predicting psychiatric diagnosis at age 12. Maziade M, et al. **Am J Psychiatry** 1985 Aug; 142(8):943-6

The effects of physicians' training and personality on test ordering for ambulatory patients. Epstein AM, et al. **Am J Public Health** 1984 Nov;74(11):1271-3

Evolutionary biology and personality psychology. Toward a conception of human nature and individual differences. Buss DM. **Am Psychol** 1984 Oct;39(10):1135-47

Factors associated with parents' and professionals' perceptions of infants in an early intervention program. Affleck G, et al. **Appl Res Ment Retard** 1984;5(3):305-16

Elderly patients discharged from an accident and emergency department--their dependency and support. Currie CT, et al. **Arch Emerg Med** 1984 Dec;1(4):205-13

Personality variables and circumstances of sexual assault predictive of a woman's resistance. Burnett RC, et al. **Arch Sex Behav** 1985 Apr;14(2):183-8

The role of perceived relative parent personality in the development of heterosexuals, homosexuals, and transvestites. Newcomb MD. **Arch Sex Behav** 1985 Apr; 14(2):147-64

Temperament in Australian infants. Oberklaid F, et al. **Aust Paediatr J** 1984 Aug;20(3):181-4

Fitting heredity-environment models jointly to twin and adoption data from the California Psychological Inventory. Loehlin JC. **Behav Genet** 1985 May;15(3):199-221

Dependence and its relationship to depression. Birtchnell J. **Br J Med Psychol** 1984 Sep;57 (Pt 3):215-25

Psychological profile of the spouse of the female agoraphobic patient. Personality and symptoms. Arrindell WA, et al. **Br J Psychiatry** 1985 Apr;146:405-14

Hearts and minds [editorial] Mitchell JR. **Br Med J [Clin Res]** 1984 Dec 8;289(6458):1557-8

Suicide attempters, ideators and risk-taking propensity. Silberfeld M, et al. **Can J Psychiatry** 1985 Jun;30(4):274-7

Correlates of difficult temperament in infancy. Daniels D, et al. **Child Dev** 1984 Aug;55(4):1184-94

The relation between neonatal and later activity and temperament. Korner AF, et al. **Child Dev** 1985 Feb; 56(1):38-42

Attachment classification from the perspective of infant-caregiver relationships and infant temperament.

Sroufe LA. **Child Dev** 1985 Feb;56(1):1-14

Interparental ratings of temperament for high and low risk infants. Simons CJ, et al. **Child Psychiatry Hum Dev** 1985 Spring;15(3):167-79

Chronobiologic pattern discrimination of plasma hormones, notably DHEA-S and TSH, classifies an expansive personality. Hermida RC, et al. **Chronobiologia** 1985 Apr-Jun;12(2):105-36

Adolescents with cleft lip and palate: self-perceptions of appearance and behavior related to personality adjustment. Richman LC, et al. **Cleft Palate J** 1985 Apr;22(2):93-6

Personality and theophylline pharmacokinetics. Jackson SH, et al. **Eur J Clin Pharmacol** 1985;28(4):429-31

Appearance of frontal midline theta rhythm and personality traits. Mizuki Y, et al. **Folia Psychiatr Neurol Jpn** 1984; 38(4):451-8

Personality factors in classical migraine and tension headache. Blaszczynski AP. **Headache** 1984 Sep;24(5):238-44

Concubine syndrome: an example of interactionism in the clinical assessment of headache. Diamond S, et al. **Headache** 1985 Jun;25(4):180-3

Psychological aspects of patient education for stressful medical procedures. Williams CL, et al. **Health Educ Q** 1985 Summer;12(2):135-50 (65 ref.)

Personality factors associated with anticipatory nausea/vomiting in patients receiving cancer chemotherapy. van Komen RW, et al. **Health Psychol** 1985; 4(3):189-202

Determining how a depressed woman's personality affects the choice of treatment. Frances A, et al. **Hosp Community Psychiatry** 1984 Sep;35(9):883-4, 954

Adolescent growth--self-appraisal and personality correlates. Kumar A, et al. **Indian Pediatr** 1984 Apr; 21(4):271-9

Interrelationships between temperament characteristics and first-grade teacher-student interactions. Paget KD, et al. **J Abnorm Child Psychol** 1984 Dec;12(4):547-59

Nurse/patient dependency--a review of different approaches with particular reference to studies of the dependency of elderly patients. Miller A. **J Adv Nurs** 1984 Sep;9(5):479-86

Nurse/patient dependency--is it iatrogenic? Miller A. **J Adv Nurs** 1985 Jan;10(1):63-9

Use of the infant temperament questionnaire [letter] Carey WB, et al. **J Am Acad Child Psychiatry** 1985 Jul;24(4):502-5

Personality, psychopathology, and developmental issues in male adolescent video game use. Kestenbaum GI, et al. **J Am Acad Child Psychiatry** 1985 May;24(3):329-33

The New York Longitudinal Studies model of temperament: gender differences and demographic correlates in a French-speaking population. Maziade M, et al. **J Am Acad Child Psychiatry** 1984 Sep;23(5):582-7

Prenatal perception of infant personality: a preliminary investigation. Zeanah CH, et al. **J Am Acad Child Psychiatry** 1985 Mar;24(2):204-10

Blood and urinary magnesium, zinc, calcium, free fatty acids, and catecholamines in type A and type B subjects. Henrotte JG, et al. **J Am Coll Nutr** 1985;4(2):165-72

Anxiety management training and anger control for type A individuals. Hart KE. **J Behav Ther Exp Psychiatry** 1984 Jun;15(2):133-9

Temperament and elementary school children's actual and rated academic performance: a test of a 'goodness-of-fit' model. Lerner JV, et al. **J Child Psychol Psychiatry** 1985 Jan;26(1):125-36

Temperamental characteristics of three- to four-year-old boys and girls and child-family interactions. Simpson AE, et al. **J Child Psychol Psychiatry** 1985 Jan;26(1):43-53

Personality, behavior, family environment, family social status and hypertension risk factors in children. The Minneapolis Children's Blood Pressure Study. Gillum RF, et al. **J Chronic Dis** 1985;38(2):187-94

Severe obstructive sleep apnea--II: Associated psychopathology and psychosocial consequences. Kales A, et al. **J Chronic Dis** 1985;38(5):427-34

Psychosocial characteristics of adolescent smokers before they started smoking: evidence of self-selection. A prospective study. Seltzer CC, et al. **J Chronic Dis** 1985; 38(1):17-26

Social support, personality and the prediction of psychological distress: an interactionist approach. Duckitt J. **J Clin Psychol** 1984 Sep;40(5):1199-205

Reassessment of inferring personality traits from Bender-Gestalt drawing styles. Holmes CB, et al. **J Clin Psychol** 1984 Sep;40(5):1241-3

Personality and treatment effectiveness in anorexia nervosa. Skoog DK, et al. **J Clin Psychol** 1984 Jul;40(4):955-61

Influence of catecholamine activity on the hierarchical relationships among physical fitness condition and selected personality characteristics. Sothmann MS, et al. **J Clin Psychol** 1984 Nov;40(6):1308-17

Depression and the wish to be held. Stein N, et al. **J Clin Psychol** 1985 Jan;41(1):3-9

Personality factors and change with multiple sclerosis. Halligan FR, et al. **J Consult Clin Psychol** 1985 Aug; 53(4):547-8

Temperament characteristics of suicide attempters. Mehrabian A, et al. **J Consult Clin Psychol** 1985 Aug; 53(4):544-6

Analysis of personality traits of the contemporary dental student. McDaniel SP, et al. **J Dent Educ** 1985 Aug; 49(8):579-83

Clinical use of temperament data in pediatrics. Carey WB. **J Dev Behav Pediatr** 1985 Jun;6(3):137-42

Temperament and increased weight gain in infants. Carey WB. **J Dev Behav Pediatr** 1985 Jun;6(3):128-31

Temperament in infants born prematurely. Oberklaid F, et al. **J Dev Behav Pediatr** 1985 Apr;6(2):57-61

Plasma progesterone concentrations and infant temperament. Weissbluth M, et al. **J Dev Behav Pediatr** 1984 Oct; 5(5):251-3

Difficult temperament and drug use: analyses from the New York Longitudinal Study. Lerner JV, et al. **J Drug Educ** 1984;14(1):1-8

Old women's self perceptions of dependency and some implications for service provision. Evers H. **J Epidemiol Community Health** 1984 Dec;38(4):306-9

Relevance of personality traits to adjustment in group living situations. Carp FM. **J Gerontol** 1985 Sep;40(5):544-51

The personality of hand surgeons. Horne D, et al. **J Hand Surg [Br]** 1985 Feb;10(1):5-7

Melancholy rhetoricians and melancholy rhetoric: 'black bile' as a rhetorical and medical term in the second century A.D. Pearcy LT. **J Hist Med Allied Sci** 1984 Oct; 39(4):446-56

Physical symptom reporting and health perception among type A and B college males. Hart KE. **J Human Stress** 1983 Dec;9(4):17-22

Type A in relation to job-stress, social and bioclinical variables: the Belgian Physical Fitness Study. Kittel F, et al. **J Human Stress** 1983 Dec;9(4):37-45

Alcohol, personality and predisposition to essential hypertension. Arkwright PD, et al. **J Hypertens** 1983 Dec; 1(4):365-71

A longitudinal study of personality changes in medical students. Whittemore PB, et al. **J Med Educ** 1985 May; 60(5):404-5

Personality and staff privileges. George JE. **J Med Soc NJ** 1985 Feb;82(2):113-4

Personality and psychophysiological variables in abusive, neglectful, and low-income control mothers. Friedrich WN, et al. **J Nerv Ment Dis** 1985 Aug;173(8):449-60

The pre-morbid personality of patients with Parkinson's disease. Todes CJ, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb;48(2):97-100 (25 ref.)

Individualizing patient care. Strickland B, et al. **J Nurs Educ** 1985 Jun;24(6):252-5

Intelligence and personality characteristics in adults with untreated atypical phenylketonuria and mild hyperphenylalaninemia. Waisbren SE, et al. **J Pediatr** 1984 Dec;105(6):955-8

Respiratory patterns during sleep and temperament ratings in normal infants. Weissbluth M, et al. **J Pediatr** 1985 Apr; 106(4):688-90

Schizophrenic, depressive, and nonpatient personality organizations described by Rorschach factor structures. Mason BJ, et al. **J Pers Assess** 1985 Jun;49(3):295-305

Personality traits of female psychotherapy patients with a history of incest: a research note. Owens TH. **J Pers Assess** 1984 Dec;48(6):606-8

Ego identity status, conformity behavior, and personality in late adolescence. Adams GR, et al. **J Pers Soc Psychol** 1984 Nov;47(5):1091-104

Relation between testosterone concentration, sex role identity, and personality among females. Baucom DH, et al. **J Pers Soc Psychol** 1985 May;48(5):1218-26

A failure to replicate the Bem and Allen study of individual differences in cross-situational consistency. Chaplin WF, et al. **J Pers Soc Psychol** 1984 Nov;47(5):1074-90

Longitudinal consistency of adult personality: self-reported psychological characteristics across 45 years. Conley JJ. **J Pers Soc Psychol** 1984 Dec;47(6):1325-33

Person x situation interactions: choice of situations and congruence response models. Diener E, et al. **J Pers Soc Psychol** 1984 Sep;47(3):580-92

Evidence for extending the circumplex model of personality trait language to self-reported moods. Fisher GA, et al. **J Pers Soc Psychol** 1985 Jul;49(1):233-42

Personality traits: fact or fiction? A critique of the Shweder and D'Andrade systematic distortion hypothesis. Romer D, et al. **J Pers Soc Psychol** 1984 Nov;47(5):1028-42

When are social judgments made? Evidence for the spontaneousness of trait inferences. Winter L, et al. **J Pers Soc Psychol** 1984 Aug;47(2):237-52

Psychological differences between adolescent smoking intenders and nonintenders. Tucker LA. **J Psychol** 1984 Sep;118(1ST Half):37-43

Differences in personality between parents of asthmatic children and parents of non-asthmatic children. Aronsson G, et al. **J Psychosom Res** 1985;29(2):177-82

Type A behaviour in patients with chest pain: test-retest reliability and psychometric correlates of Bortner scale. Bass C. **J Psychosom Res** 1984;28(4):289-300

Physical, psychological, social, and lifestyle differences among adolescents classified according to cigarette smoking intention status. Tucker LA. **J Sch Health** 1985 Apr;55(4):127-31

Assessing personality and clinical effectiveness: a response to Crane and Cooper (1983) [letter] Siviski RW, et al. **J Speech Hear Disord** 1984 Nov;49(4):434-5

Stereotype formation by inference: a possible explanation for the 'stutterer' stereotype. White PA, et al. **J Speech Hear Res** 1984 Dec;27(4):567-70

The effect of training frequency of aerobic dance on oxygen uptake, body composition and personality. Johnson S, et al. **J Sports Med Phys Fitness** 1984 Dec;24(4):290-8

More on hypertensive labelling [editorial] **Lancet** 1985 May 18;1(8438):1138-9

Does medical training affect personality? Huxham GJ, et al. **Med Educ** 1985 Mar;19(2):118-22

An exploration of the attitudes, personality and performance of dental students. Reeve PE, et al. **Med Educ** 1985 May; 19(3):226-37

Antecedent personality factors and the post-Vietnam syndrome: case reports. Sudak HS, et al. **Milit Med** 1984 Oct;149(10):550-4

Electrophysiological (CNV) analysis of personality traits under stress. Amabile G, et al. **Neuropsychobiology** 1984; 12(4):260-4

Variability of evoked-potential response to regularly repeated stimulation with checkerboard pattern-reversal and flashlight in healthy volunteers. Görtelmeyer R, et al. **Neuropsychobiology** 1984;12(2-3):196-200

Personality traits influence the effects of diazepam and caffeine on CNV magnitude. Münte TF, et al. **Neuropsychobiology** 1984;12(1):60-7

Personality traits and monoamine oxidase activity in platelets in depressed patients. Perris C, et al. **Neuropsychobiology** 1984;12(4):201-5

A reexamination of nursing role conceptions. Kinney CK. **Nurs Res** 1985 May-Jun;34(3):170-6

Personality projection in complete dentures: traits transmissable to the viewer through variations in maxillary anterior tooth arrangement. Ruffino AR. **NY State Dent J** 1984 Dec;50(10):661-2, 664

Examining the interaction effects of coping style and brief interventions in the treatment of postsurgical pain. Scott LE, et al. **Pain** 1984 Nov;20(3):279-91

Site of pain: relationship to measures of pain description, behavior and personality. Toomey TC, et al. **Pain** 1984 Aug;19(4):389-97

Written explanation of temperament scores. Little DL. **Pediatrics** 1985 Feb;75(2):275-7

Personality, hypnotic susceptibility and EEG responses: preliminary study. De Pascalis V, et al. **Percept Mot Skills** 1984 Oct;59(2):371-8

Physical training and personality factors as predictors of marathon time and training injury. McKelvie SJ, et al. **Percept Mot Skills** 1985 Apr;60(2):551-66

I E S arrow-dot performance of Nigerian juvenile delinquents and secondary school students. Omololu CB. **Percept Mot Skills** 1985 Feb;60(1):18

Personality characteristics and expressed career choice of graduating physical therapy students. Rovezzi-Carroll S, et al. **Phys Ther** 1984 Oct;64(10):1549-52

Check ... checkmate. Countering the con games of drug abusers. Coleman N. **Postgrad Med** 1985 Feb 1;77(2):68-70, 73-5

Personality as a moderator of the effects of cigarette smoking on coronary risk. Howard JH, et al. **Prev Med** 1985 Jan; 14(1):24-33

Smooth pursuit eye movements in subjects reporting physical anhedonia and perceptual aberrations. Simons RF, et al. **Psychiatry Res** 1985 Apr;14(4):275-89

Personality traits and platelet monoamine oxidase in tobacco smokers. Von Knorring L, et al. **Psychol Med** 1985 May; 15(2):327-34

Prediction of successful weight management from personality and demographic data. Bolocofsky DN, et al. **Psychol Rep** 1984 Dec;55(3):795-802

Personality factors related to self-reported lapse of attention during lectures. Boreham NC. **Psychol Rep** 1984 Aug; 55(1):76-8

Fear of fat in runners: an examination of the connection between anorexia nervosa and distance running. Goldfarb LA, et al. **Psychol Rep** 1984 Aug;55(1):296

Preference for counseling and psychotherapy as related to preoedipal fixation. Juni S, et al. **Psychol Rep** 1985 Apr; 56(2):431-8

On the relationship between Machiavellianism and anxiety among Italian undergraduates. Nigro G, et al. **Psychol Rep** 1985 Feb;56(1):37-8

Female homosexuals' need for dominance and endurance. Wilson ML. **Psychol Rep** 1984 Aug;55(1):79-82

Relation of temporal stability and cross-situational consistency in personality: comment on the Mischel-Epstein debate. Conley JJ. **Psychol Rev** 1984 Oct; 91(4):491-6

Getting lost in the search for large coefficients: reply to Conley. Peake PK, et al. **Psychol Rev** 1984 Oct; 91(4):497-501

Quest for accuracy in person perception: a matter of pragmatics. Swann WB Jr. **Psychol Rev** 1984 Oct; 91(4):457-77

Personality traits in former depressed patients and in healthy subjects without past history of depression. Perris C, et al. **Psychopathology** 1984;17(4):178-86

Male infertility: relationships among gonadotropins, sex steroids, seminal parameters, and personality attitudes. Hellhammer DH, et al. **Psychosom Med** 1985 Jan-Feb; 47(1):58-66

The impatience of youth: phasic cardiovascular response in type A and type B elementary school-aged boys. Jennings JR, et al. **Psychosom Med** 1984 Nov-Dec;46(6):498-511

Ventilatory response to CO2. I. A psychobiologic marker of the respiratory system. Singh BS. **Psychosom Med** 1984 Jul-Aug;46(4):333-45

NEWARK PUBLIC LIBRARY

Relationships between urinary catecholamine metabolites, particularly MHPG, and selected personality and physical fitness characteristics in normal subjects. Sothmann MS, et al. **Psychosom Med** 1984 Nov-Dec;46(6):523-33

Personality characteristics and renin in essential hypertension. Perini C, et al. **Psychother Psychosom** 1985;43(1):44-8

Practice traits of physicians: a neglected quality assurance issue. Skillicorn SA. **QRB** 1985 Apr;11(4):108-10

Psychological aspects of non-ulcer dyspepsia: a psychosomatic view focusing on a comparison between the irritable bowel syndrome and peptic ulcer disease. Sjödin I, et al. **Scand J Gastroenterol [Suppl]** 1985;109:51-8 (47 ref.)

On the interplay between socioeconomic factors, personality and work environment in the pathogenesis of cardiovascular disease. Theorell T, et al. **Scand J Work Environ Health** 1984 Dec;10(6 Spec No):373-80

Personality and neuropsychological performance of high-risk children. Sohlberg SC. **Schizophr Bull** 1985;11(1):48-60

A physician role typology: colleague and client dependence in an HMO. Barr JK, et al. **Soc Sci Med** 1985;20(3):253-61

Personality indicators of psychosocial adjustment in first-year medical students. Zeldow PB, et al. **Soc Sci Med** 1985;20(1):95-100

The burden of dependency. Homer M, et al **Sociol Rev [Monogr]** 1985;(31):77-92

Psychological dependency among students in a 'cross-roads' culture. Allen EA. **West Indian Med J** 1985 Jun;34(2):123-7

[Personality in hearing loss] Zelenka J, et al. **Cesk Otolaryngol** 1984 Jun;33(3):200-2 (Eng. Abstr.) **(Cze)**

[Psychological study of children with diabetes] Andresová S, et al. **Cesk Pediatr** 1984 Aug;39(8):457-9 (Eng. Abstr.) **(Cze)**

[Cybernetic preliminaries to the recording of clinical data in psychiatry] Mairlot FE. **Ann Med Psychol (Paris)** 1984 Jun;142(6):802-12 **(Fre)**

[Study of the process of alcoholism in young persons using cluster analysis] Davidson F, et al. **Rev Epidemiol Sante Publique** 1984;32(5):301-14 (Eng. Abstr.) **(Fre)**

[Evaluation of the level of dependency of persons placed in establishments for chronic patients. Development of a survey instrument and studies of validity, pertinence and performance] Lehmann P, et al. **Soz Praventivmed** 1984; 29(4-5):185-6 (Eng. Abstr.) **(Fre)**

[Mental disposition and stress as etiological factors in stomatognathic functional disorders] Fallschüssel GK. **Dtsch Zahnarztl Z** 1984 Jun;39(6):445-51 (32 ref.) (Eng. Abstr.) **(Ger)**

[Disease and personality] Grabow L. **Med Monatsschr Pharm** 1985 Feb;8(2):42-51 **(Ger)**

[The history of pharmaceutical science. 14. Personality and the history of pharmacy] Friedrich C, et al. **Pharmazie** 1985 May;40(5):349-53 **(Ger)**

[Influence of personality factors on the success of psychopharmacotherapy] Rüger U. **Psychiatr Prax** 1985 Jan;12(1):5-7 (Eng. Abstr.) **(Ger)**

[Consideration of the patient's personality in the esthetic quality of dentures] Alberth M, et al. **Fogorv Sz** 1985 Apr; 78(4):97-101 **(Hun)**

[Rorschach profiles in a group of heart patients and a group of patients with gastroenteropathies. Comparative analysis] Bottazzi R, et al. **Minerva Psichiatr** 1984 Apr-Jun; 25(2):85-91 (Eng. Abstr.) **(Ita)**

[Personality factors, psychological distress and 'illness behavior' in patients before heart surgery] Magni G, et al. **Minerva Psichiatr** 1985 Jan-Mar;26(1):11-20 (Eng. Abstr.) **(Ita)**

[Relationship between stressful work, personality and catecholamine excretion] Vivoli G, et al. **Nuovi Ann Ig Microbiol** 1983 Mar-Apr;34(2):97-108 (Eng. Abstr.) **(Ita)**

[Psychological resistance and the problem of the incidence and treatment of pulmonary tuberculosis in the light of empirical studies] Pecyna M. **Pneumonol Pol** 1984 Oct; 52(10):519-23 (Eng. Abstr.) **(Pol)**

[Premorbid personality characteristics in patients with affective disorders] Bidzińska E. **Psychiatr Pol** 1984 Jul-Aug;18(4):313-8 (Eng. Abstr.) **(Pol)**

[The premorbid personality in affective disorders] Bidzińska E. **Psychiatr Pol** 1984 May-Jun;18(3):267-72 **(Pol)**

[Psychotism as a personality measure (remarks with regard to H.J. Eysenck's theory)] Pospiszyl K. **Psychiatr Pol** 1984 Nov-Dec;18(6):603-10 (26 ref.) **(Pol)**

[Fluctuations of the evoked potential and the social adaptation of personality] Aminev GA, et al. **Fiziol Cheloveka** 1984 May-Jun;10(3):465-8 **(Rus)**

[Effect of moderate hypoxia on work capacity as dependent on individual characteristics] Bushov IuV, et al. **Fiziol Cheloveka** 1985 Mar-Apr;11(2):258-61 **(Rus)**

[Effect of personality traits of workers on the degree of their adaptation to a work situation involving conveyer production] Beliaev VN. **Gig Tr Prof Zabol** 1985 Jun; (6):48-50 **(Rus)**

[Achievement in mastering the job of instrument control operator in the chemical industry in relation to the manifestation of personality characteristics and the developmental level of psychophysiological functions] Bobrishcheva-Pushkina ND. **Gig Tr Prof Zabol** 1984 Jul; (7):22-6 (Eng. Abstr.) **(Rus)**

[Rapid prognosis of the disciplined behavior of flight cadets using projective tests] Evdokimov VI. **Kosm Biol Aviakosm Med** 1985 Mar-Apr;19(2):20-3 (Eng. Abstr.) **(Rus)**

[Major principles of the personality development of a physician-internist] Vogralik VG. **Sov Med** 1984;(9):56-9 **(Rus)**

[Various features of the image of the disease in patients with spinal cord lesions] Aksenova IL. **Zh Nevropatol Psikhiatr** 1985;85(4):508-13 (Eng. Abstr.) **(Rus)**

[Relation between the effect of tranquilizers and various features of personality structure among patients with borderline states] Aleksandrovskii IuA, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1367-76 (Eng. Abstr.) **(Rus)**

[Personality aspects of psychosomatic correlations in essential hypertension (review)] Rukhmanov AA. **Zh Nevropatol Psikhiatr** 1985;85(6):915-25 (171 ref.) **(Rus)**

[Modification of Eysenck's typology in the rat] Simonov PV. **Zh Vyssh Nerv Deiat** 1984 Sep-Oct;34(5):953-7 (Eng. Abstr.) **(Rus)**

[The 'personality' factor and its significance in the occupational suitability of the pilot for combat aviation] Branković M. **Vojnosanit Pregl** 1984 May-Jun;41(3):167-9 (Eng. Abstr.) **(Ser)**

[The 16 PF in acute myocardial infarct patients] Hernández Martínez J, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Sep-Oct;12(5):314-20 (Eng. Abstr.) **(Spa)**

[Psychodiagnostic contribution to the study of patients with coronariopathies] Montero Barrado I, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Sep-Oct; 12(5):321-39 **(Spa)**

[Women in the Early Treatment of Alcoholic Women project--what is their personality profile like 2 years later] Bergman I, et al. **Lakartidningen** 1984 Nov 28;81(48):4534-6 **(Swe)**

DRUG EFFECTS

Comparison of ketamine and thiopental in healthy volunteers: effects on mental status, mood, and personality. Moretti RJ, et al. **Anesth Analg** 1984 Dec;63(12):1087-96

PERSONALITY ASSESSMENT

The importance of personality assessment in the treatment of bulimia. A review of two cases. Berland NW. **Ala J Med Sci** 1985 Apr;22(2):223-4

Relationship of psychologic factors to frequent symptomatic ventricular arrhythmia. Katz C, et al. **Am J Med** 1985 Apr; 78(4):589-94

A comparison of data produced by different behavioral assessment techniques with implications for models of social-skills inadequacy. Nelson RO, et al. **Behav Res Ther** 1985;23(1):1-11

Measurement of DSM-III, Axis II. Reich J. **Compr Psychiatry** 1985 Jul-Aug;26(4):352-63 (66 ref.)

Comparison of two analogue measures for assessing and teaching assertiveness to physically disabled elderly: an exploratory study. Ruben DH. **Gerontol Geriatr Educ** 1984 Fall;5(1):63-71

Idiographic assessment of the self in the aged: a case for the use of the Q-sort. Hayslip B Jr. **Int J Aging Hum Dev** 1984-85;20(4):293-311

Christian Thomasius and the origin of psychological rating scales. McReynolds P, et al. **Isis** 1984 Sep;75(278):546-53

Construct validity for measures of childhood depression: application of multitrait-multimethod methodology. Saylor CF, et al. **J Consult Clin Psychol** 1984 Dec;52(6):977-85

Reliability of the MYTH scale in assessing type A behavior in preschool children. Murray JL, et al. **J Human Stress** 1983 Dec;9(4):23-8

Cross-national reliability study of a schedule for assessing personality disorders. Tyrer P, et al. **J Nerv Ment Dis** 1984 Dec;172(12):718-21

On the renaissance of personality assessment and personality theory. Millon T. **J Pers Assess** 1984 Oct;48(5):450-66

Psychodiagnostic test usage: a survey of the society for personality assessment. Piotrowski C, et al. **J Pers Assess** 1985 Apr;49(2):115-9

Content analysis scales measuring psychosocial maturity in the elderly. Viney LL, et al. **J Pers Assess** 1985 Jun; 49(3):311-7

[Measurement of aggressiveness by the Gottschalk and Gleser method of verbal sample analysis. Various biochemical and psychodynamic aspects] Morez VE. **Acta Psychiatr Belg** 1984;84:541-8 (Eng. Abstr.) **(Fre)**

[The usual forms of clinical thought] Trinca W. **Acta Psiquiatr Psicol Am Lat** 1984 Jun;30(2):118-24 (Eng. Abstr.) **(Por)**

[Personality study in assessing the mental status of thyrotoxicosis patients] Oleinik VA, et al. **Vrach Delo** 1984 Sep;(9):59-61 (Eng. Abstr.) **(Rus)**

PERSONALITY DEVELOPMENT

see related
CHILD DEVELOPMENT
GROWTH
SOCIALIZATION

A development perspective on adolescent drug abuse. Baumrind D, et al. **Adv Alcohol Subst Abuse** 1985 Spring-Summer;4(3-4):41-67

On processes of peer influences in adolescent drug use: a developmental perspective. Kandel DB. **Adv Alcohol Subst Abuse** 1985 Spring-Summer; 4(3-4):139-63

Parental separation/divorce and adolescents: an examination of factors mediating adaptation. Farber SS, et al. **Am J Community Psychol** 1985 Apr;13(2):171-85

Transition from adolescence to adulthood: perspectives of mentally retarded individuals and their families. Zetlin AG, et al. **Am J Ment Defic** 1985 May;89(6):570-9

Children and affect: strategies for self-regulation and sex differences in sadness. Franko DL, et al. **Am J Orthopsychiatry** 1985 Apr;55(2):210-9

Body images of one's self and of others: developmental and clinical significance. van der Velde CD. **Am J Psychiatry** 1985 May;142(5):527-37

Some aspects of separation and loss in therapy with disturbed children. Mahon E. **Am J Psychoanal** 1985 Spring; 45(1):35-51

Individuality and hubris in mythology: the struggle to be human. Mitchell A. **Am J Psychoanal** 1984 Winter; 44(4):399-412

'Red rover': an expression of the psychic struggle toward separation-individuation. Rabinowitz J. **Am J Psychoanal** 1984 Winter;44(4):425-30

Separation and loss in psychoanalytic therapy with borderline patients: further remarks. Searles HF. **Am J Psychoanal** 1985 Spring;45(1):9-34

Psychopathology and development: II. Childhood experiences and personality development. Rutter M. **Aust NZ J Psychiatry** 1984 Dec;18(4):314-27

Patterns of interaction in family relationships and the development of identity exploration in adolescence. Grotevant HD, et al. **Child Dev** 1985 Apr;56(2):415-28

Rites of passage in families with adolescents. Quinn WH, et al. **Fam Process** 1985 Mar;24(1):101-11

The self in groups. Horwitz L. **Int J Group Psychother** 1984 Oct;34(4):519-40

Paternal absence and its effect on adolescent self-esteem. Miller TW. **Int J Soc Psychiatry** 1984 Winter;30(4):293-6

Inferences of personality characteristics from earliest memories. Rosenheim E, et al. **Isr J Psychiatry Relat Sci** 1984;21(2):93-101

Family correlates of female adolescents' ego-identity development. Adams GR. **J Adolesc** 1985 Mar;8(1):69-82

The 'outcome' of psychoanalytic psychotherapy: conformity, peculiarity and 'common unhappiness'. Lawner P. **J Am Acad Psychoanal** 1985 Jan;13(1):35-49

Intimacy, autonomy and gender: developmental differences and their reflection in adult relationships. Levenson R. **J Am Acad Psychoanal** 1984 Oct;12(4):529-44

Adolescent suicide: the tragic end of childhood. McGoldrick KE. **J Am Med Wom Assoc** 1985 Jul-Aug;40(4):99-100

Separation-individuation and cognition. Lester EP. **J Am Psychoanal Assoc** 1983;31(1):127-56

Thoughts on the emergence of the sense of self, with particular emphasis on the body self. Mahler MS, et al. **J Am Psychoanal Assoc** 1982;30(4):827-48

The alternate schools and the self. Ticho EA. **J Am Psychoanal Assoc** 1982;30(4):849-62

Using biodata to predict job choice among college graduates. Neiner AG, et al. **J Appl Psychol** 1985 Feb;70(1):127-36

Multiple personality in the human information-processor: a case history and theoretical formulation. Andorfer JC. **J Clin Psychol** 1985 May;41(3):309-24

Occupational dream, relation to parents and depression in the early adult transition. Gooden W, et al. **J Clin Psychol** 1984 Jul;40(4):945-54

Parental communication of Holocaust experiences and personality characteristics among second-generation survivors. Lichtman H. **J Clin Psychol** 1984 Jul; 40(4):914-24

Transgenerational effects of the holocaust: externalization of aggression in second generation of holocaust survivors. Nadler A, et al. **J Consult Clin Psychol** 1985 Jun; 53(3):365-9

Stability of expressive and instrumental traits in an adolescent female population. Phye GD, et al. **J Genet Psychol** 1984 Dec;145(2D Half):179-84

Assessing pathology in the separation-individuation process by an inventory. A preliminary report. Christenson RM, et al. **J Nerv Ment Dis** 1985 Sep;173(9):561-5

Developmental trends in the appraisal of anxiety-provoking situations. Stattin H. **J Pers** 1984 Mar;52(1):46-57

Children's Rorschachs: description and prediction. Exner JE Jr, et al. **J Pers Assess** 1985 Feb;49(1):13-20

A Rorschach assessment of children's mutuality of autonomy. Ryan RM, et al. **J Pers Assess** 1985 Feb;49(1):6-12

Personality resemblances in adoptive families when the children are late-adolescent or adult. Loehlin JC, et al. **J Pers Soc Psychol** 1985 Feb;48(2):376-92

Revision of the sentence completion test for ego development. Loevinger J. **J Pers Soc Psychol** 1985 Feb; 48(2):420-7

The borderline experience: subjective impressions. Hickey BA. **J Psychosoc Nurs Ment Health Serv** 1985 Apr; 23(4):24-9

Fathering and the separation-individuation process. Lincoln LM. **Matern Child Nurs J** 1984 Summer;13(2):103-12

Familial antecedents of adolescent drug use: a developmental perspective. Baumrind D. **Natl Inst Drug Abuse Res Monogr Ser** 1985;56:13–44

Differences in ontogeny, premorbid personality, and severity of schizophrenia in twins. Moskalenko VD. **Neurosci Behav Physiol** 1984 Nov–Dec;14(6):444–8

Creative writers on personality: Octavio Paz and Carlos Fuentes on the Mexican national character. Mollinger RN. **Psychoanal Rev** 1984 Sep;71(2):305–17

Prediction of development. Colonna AB, et al. **Psychoanal Study Child** 1984;39:509–26

Cross-cultural universality of social-moral development: a critical review of Kohlbergian research. Snarey JR. **Psychol Bull** 1985 Mar;97(2):202–32

[Direct observation of early interactions or the basis of interactional epigenesis] Cosnier J. **Psychiatr Enfant** 1984; 27(1):107–26 **(Fre)**

[Aggressive communications as a brake on the developmental process of a family] Kaufmann L. **Ser Paedopsychiatr** 1985 Mar;6:39–49 (Eng. Abstr.) **(Fre)**

[Characteristics of the personality structure of children with minimal brain damage--a study of 12-year-olds using a multidimensional personality test (HSPQ)] Mladek G, et al. **Arztl Jugendkd** 1985 Feb;76(1):39–45 (Eng. Abstr.) **(Ger)**

[Anxiety as challenge. A phenomenon that also has positive effects on personal development] Butollo W. **Fortschr Med** 1985 Feb 7;103(5):94–5 **(Ger)**

[Failure, optimal failure and child rearing] Brunner R. **Prax Kinderpsychol Kinderpsychiatr** 1985 Feb–Mar; 34(2):63–9 (Eng. Abstr.) **(Ger)**

[Sibling position, personality and psychiatric disorder in children and adolescents] Reinhard HG. **Prax Kinderpsychol Kinderpsychiatr** 1984 Jul;33(5):178–83 (Eng. Abstr.) **(Ger)**

[Juvenile delinquency. An empirical study on the effect of risk factors, parental rearing behavior, orientation, self concept and moral judgment] Schwabe-Höllein M. **Prax Kinderpsychol Kinderpsychiatr** 1984 Nov–Dec; 33(8):301–8 (Eng. Abstr.) **(Ger)**

[Psychologic problems in children and adolescents in orthodontics] Zschiesche S. **Prax Kinderpsychol Kinderpsychiatr** 1985 May–Jun; 34(4):149–54 (Eng. Abstr.) **(Ger)**

[Construction of the self] Fetscher R. **Psyche (Stuttg)** 1985 Aug;39(8):673–707 (Eng. Abstr.) **(Ger)**

[Integration of self psychology and psychoanalysis on developmental psychologic principles. Demonstrated by the case of Louisa A. by P. Tolpin] Grunert U. **Psyche (Stuttg)** 1985 Aug;39(8):708–37 (Eng. Abstr.) **(Ger)**

[The Marxist-Leninist concept of personality and its significance for the integration of psychiatric patients] Späte HF. **Psychiatr Neurol Med Psychol (Leipz)** 1985 Feb; 37(2):75–81 (Eng. Abstr.) **(Ger)**

[Specificity of 'pensée opératoire' in psychosomatic disorders] Vogt R, et al. **Psychother Psychosom Med Psychol** 1985 Jun;35(6):160–6 (Eng. Abstr.) **(Ger)**

[Premorbid personality of schizophrenic patients] Angst J, et al. **Schweiz Arch Neurol Psychiatr** 1985;136(1):45–53 (Eng. Abstr.) **(Ger)**

[Development of aggressiveness] Eggers C. **Ser Paedopsychiatr** 1985 Mar;6:27–37 (Eng. Abstr.) **(Ger)**

[Aggression, development of contradiction and dialogic. Fundamental and cultural history aspects] Herzka HS. **Ser Paedopsychiatr** 1985 Mar;6:87–8 **(Ger)**

[Role of personality reactions in the pathology of character formation in infantile cerebral palsy (clinico-psychological study)] Kalizhniuk ES, et al. **Zh Nevropatol Psikhiatr** 1985; 85(3):416–21 (Eng. Abstr.) **(Rus)**

[Features of psychic infantilism as a risk factor for the development of psychopathy] Zhitlovskiĭ VE, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1701–4 (Eng. Abstr.) **(Rus)**

[Depression in children and adolescents (developmental aspects in delimiting a syndrome)] Garralda Hualde ME. **Actas Luso Esp Neurol Psiquiatr** 1984 Nov–Dec; 12(6):369–76 (Eng. Abstr.) **(Spa)**

[The children of female alcoholics--a pilot study] Dahlgren L, et al. **Lakartidningen** 1984 Nov 28;81(48):4522–6 **(Swe)**

PERSONALITY DISORDER, ANTISOCIAL see **ANTISOCIAL PERSONALITY DISORDER**

PERSONALITY DISORDER, HISTRIONIC see **HISTRIONIC PERSONALITY DISORDER**

PERSONALITY DISORDER, SCHIZOID see **SCHIZOID PERSONALITY DISORDER**

PERSONALITY DISORDER, SCHIZOTYPAL see **SCHIZOTYPAL PERSONALITY DISORDER**

PERSONALITY DISORDERS

Narcissistic personality disorder as a regression to a preoedipal phase of phallic narcissism. Forman M. **Hillside J Clin Psychiatry** 1981;3(1):45–59

Perverse tendencies and established victim-prone perversions. Medlicott RW. **NZ Med J** 1985 Mar 13; 98(774):147–50

[Pseudo-Bartter's syndrome and surreptitious abuse of furosemide in a woman complicated with masked idiopathic edema and defective character] Ando A, et al. **Nippon Jinzo Gakkai Shi** 1985 Apr;27(4):519–24 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Encephalopathy in childhood secondary to aluminum toxicity. Sedman AB, et al. **J Pediatr** 1984 Nov; 105(5):836–8

Organic personality syndrome caused by insulin-related nocturnal hypoglycemia. Krahn DD, et al. **Psychosomatics** 1984 Sep;25(9):711–2

The Rorschach test in behavioral toxicology. Lindström K. **Scand J Work Environ Health** 1984;10 Suppl 1:20–3

CLASSIFICATION

The nosologic status of borderline personality: clinical and polysomnographic study. Akiskal HS, et al. **Am J Psychiatry** 1985 Feb;142(2):192–8

A proposed solution to past differences in the classification of borderline personality disorder. Burkhardt PE. **Percept Mot Skills** 1984 Oct;59(2):370

COMPLICATIONS

Depression in borderline personality disorder: lifetime prevalence at interview and longitudinal course of symptoms. Perry JC. **Am J Psychiatry** 1985 Jan; 142(1):15–21

A quadriplegic patient with borderline personality disorder. Frances A, et al. **Hosp Community Psychiatry** 1985 May; 36(5):463–4, 474

Neuroticism and personality disorder in depression. Davidson J, et al. **J Affective Disord** 1985 Mar–Apr;8(2):177–82

Psychosis in borderline personality disorder. Jonas JM, et al. **Psychiatr Dev** 1984 Winter;2(4):295–308 (47 ref.)

[Variants of movement disorders within the psychopathologic structure of borderline neuropsychiatric diseases in young children] Kirichenko EI, et al. **Zh Nevropatol Psikhiatr** 1984;84(10):1510–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Diagnosing borderline children. Verhulst FC. **Acta Paedopsychiatr (Basel)** 1984 Oct;50(4):161–73

The borderline syndrome in adolescents. Simon JI. **Adolescence** 1984 Fall;19(75):505–20

The syndrome of identity diffusion. Akhtar S. **Am J Psychiatry** 1984 Nov;141(11):1381–5

A validity study of axis II of DSM-III. Drake RE, et al. **Am J Psychiatry** 1985 May;142(5):553–8

How are psychotic syndromes related to personality disorders? [letter] Gold L. **Am J Psychiatry** 1985 Oct; 142(10):1231–2

The interface between borderline personality disorder and affective disorder. Gunderson JG, et al. **Am J Psychiatry** 1985 Mar;142(3):277–88 (64 ref.)

Assessing borderline personality disorder with self-report, clinical interview, or semistructured interview. Hurt SW, et al. **Am J Psychiatry** 1984 Oct;141(10):1228–31

Scaled ratings of DSM-III personality disorders. Kass F, et al. **Am J Psychiatry** 1985 May;142(5):627–30

The relationship between syndrome and personality disorder in DSM-III: experience with 2,462 patients. Koenigsberg HW, et al. **Am J Psychiatry** 1985 Feb;142(2):207–12

Comparison of three systems for diagnosing borderline personality disorder. Nelson HF, et al. **Am J Psychiatry** 1985 Jul;142(7):855–8

Abuses of the borderline diagnosis: a clinical problem with teaching opportunities. Reiser DE, et al. **Am J Psychiatry** 1984 Dec;141(12):1528–32

Effects of parent loss: interaction with family size and sibling order. Sklar AD, et al. **Am J Psychiatry** 1985 Jun; 142(6):708–14

DSM III and the narcissistic personality. Goldstein WN. **Am J Psychother** 1985 Jan;39(1):4–16

A structured interview for the DSM-III personality disorders. A preliminary report. Stangl D, et al. **Arch Gen Psychiatry** 1985 Jun;42(6):591–6

The DSM-III personality disorders. Perspectives from psychology. Widiger TA, et al. **Arch Gen Psychiatry** 1985 Jun;42(6):615–23 (79 ref.)

The dexamethasone suppression test in borderline personality disorder. Krishnan KR, et al. **Biol Psychiatry** 1984 Jul; 19(7):1149–53

Multiple determinants of anxiety in a patient with borderline personality disorder [clinical conference] Gabbard GO, et al. **Bull Menninger Clin** 1985 Mar;49(2):161–72

Borderline personality: DSM-III versus a previous usage. Hamilton NG, et al. **Bull Menninger Clin** 1984 Nov; 48(6):540–3

DSM-III and the use of the term borderline. Nuetzel EJ. **Bull Menninger Clin** 1985 Mar;49(2):124–34

The classification of personality disorder: I. The choice of category concept. Livesley WJ. **Can J Psychiatry** 1985 Aug;30(5):353–8

The classification of personality disorder: II. The problem of diagnostic criteria. Livesley WJ. **Can J Psychiatry** 1985 Aug;30(5):359–62

Patients who complain of social dysfunction as their main problem: II. Comparison with other outpatients seen for behavior therapy. Stravynski A, et al. **Can J Psychiatry** 1985 Apr;30(3):212–6

Study of a diagnostic profile of the borderline syndrome in childhood and trends in treatment outcome. Bentivegna SW, et al. **Child Psychiatry Hum Dev** 1985 Spring; 15(3):198–205

Borderline and neurotic children: what's the difference anyhow? Rubin SS, et al. **Child Psychiatry Hum Dev** 1984 Fall;15(1):4–20

Exemplar prototypes of personality disorder diagnoses. Blashfield R, et al. **Compr Psychiatry** 1985 Jan–Feb; 26(1):11–21

Clinical implications of Axis I-Axis II interactions. Hyler SE, et al. **Compr Psychiatry** 1985 Jul–Aug;26(4):345–51

Measurement of DSM-III, Axis II. Reich J. **Compr Psychiatry** 1985 Jul–Aug;26(4):352–63 (66 ref.)

Axis II personality disorders: diagnostic and treatment issues. Widiger TA, et al. **Hosp Community Psychiatry** 1985 Jun; 36(6):619–27

The use of the term 'borderline patient' by Scottish psychiatrists: II. Conceptual and descriptive analysis. Macaskill ND, et al. **Int J Soc Psychiatry** 1985 Spring; 31(1):47–53

MMPI, personality dysfunction and the dexamethasone suppression test in major depression. Norman WH, et al. **J Affective Disord** 1985 Jul;9(1):97–101

The implications of DSM-III personality disorders for patients with major depression. Pfohl B, et al. **J Affective Disord** 1984 Dec;7(3–4):309–18

Assessment of borderline symptomatology in hospitalized adolescents. McManus M, et al. **J Am Acad Child Psychiatry** 1984 Nov;23(6):685–94

Borderline: an adjective in search of a noun. Akiskal HS, et al. **J Clin Psychiatry** 1985 Feb;46(2):41–8

A miniworkshop method for teaching medical students recognition of personality disorders. Abrams HL, et al. **J Med Educ** 1985 Aug;60(8):646–8

Borderline diagnosis from hospital records. Reliability and validity of Gunderson's Diagnostic Interview for Borderlines (DIB). Armelius BA, et al. **J Nerv Ment Dis** 1985 Jan;173(1):32–4

MMPI characteristics of borderline personality inpatients. Evans RW, et al. **J Nerv Ment Dis** 1984 Dec;172(12):742–8

MMPI critical item characteristics of the DSM-III borderline personality disorder. Pitts WM Jr, et al. **J Nerv Ment Dis** 1985 Oct;173(10):628–31

Information processing in borderline patients. Schubert DL, et al. **J Nerv Ment Dis** 1985 Jan;173(1):26–31

Cross-national reliability study of a schedule for assessing personality disorders. Tyrer P, et al. **J Nerv Ment Dis** 1984 Dec;172(12):718–21

MMPI characteristics of borderline psychopathology in adolescent inpatients. Archer RP, et al. **J Pers Assess** 1985 Feb;49(1):47–55

Discriminant validity of the MMPI for borderline personality disorder. Hurt SW, et al. **J Pers Assess** 1985 Feb; 49(1):56–61

On the renaissance of personality assessment and personality theory. Millon T. **J Pers Assess** 1984 Oct;48(5):450–66

MMPI scales for DSM-III personality disorders: their derivation and correlates. Morey LC, et al. **J Pers Assess** 1985 Jun;49(3):245–51

Pseudoneurotic and pseudopsychopathic schizophrenia: a follow-up. Holmesland P, et al. **Neuropsychobiology** 1984; 12(2–3):101–5

A critical examination of empirical studies of the diagnosis of borderline disorders in adults. Dahl AA. **Psychiatr Dev** 1985 Spring;3(1):1–29

The structural interview method for diagnosing borderline disorders: a critique. Reich J, et al. **Psychiatr Q** 1984 Fall; 56(3):229–35

Clinical differentiation of borderline syndromes from the psychoses. Meissner WW. **Psychoanal Rev** 1984 Sep; 71(2):185–210

[Factor structure of the short form of the Freiburg Personality Inventory] Buschmann R, et al. **Arch Psychol (Frankf)** 1984;136(3):195–210 (Eng. Abstr.) **(Ger)**

[Borderline--a diagnostic entity?] Wöller W, et al. **Fortschr Neurol Psychiatr** 1984 Oct;52(10):338–45 (Eng. Abstr.) **(Ger)**

[Perverse symptom formation as clues in the diagnostic process] Haag A, et al. **Nervenarzt** 1985 Jul;56(7):373–8 **(Ger)**

[Diagnosis and therapy of the borderline syndrome: trends in American discussions] Lohmer M. **Psychother Psychosom Med Psychol** 1985 May;35(5):120–6 (Eng. Abstr.) **(Ger)**

[Nosology and classification in psychiatry based on DSM III with special reference to neuroses and personality disorders] Schuster P. **Psychother Psychosom Med Psychol** 1985 Mar–Apr; 35(3–4):75–7 (Eng. Abstr.) **(Ger)**

[DSM III personality diagnosis in a group of chronic offenders] Berner W, et al. **Wien Klin Wochenschr** 1985 Jun 21;97(13):555–61 (Eng. Abstr.) **(Ger)**

[Descriptive psychopathologic study of adult borderline patients] Suzuki S. **Seishin Shinkeigaku Zasshi** 1984; 86(3):167–203 **(Jpn)**

[Diagnostic criteria of dementia and characteropathy in the view of various Polish psychiatrists] Smoczyński S.

Psychiatr Pol 1984 Jul-Aug;18(4):371-5 (Pol)

DRUG THERAPY

Alprazolam-induced dyscontrol in borderline personality disorder. Gardner DL, et al. **Am J Psychiatry** 1985 Jan;142(1):98-100

Effect of tranquilizers on borderline and schizotypal patients questioned [letter] Rockland LH. **Am J Psychiatry** 1985 May;142(5):665-6

Response of borderline and schizotypal patients to small doses of thiothixene and haloperidol. Serban G, et al. **Am J Psychiatry** 1984 Nov;141(11):1455-8

Stelazine advertisement 'dismays' readers [letter] Swartz M, et al. **Am J Psychiatry** 1985 May;142(5):666

Treatment of attention deficit and borderline personality disorders with psychostimulants: case report. Hooberman D, et al. **J Clin Psychiatry** 1984 Oct;45(10):441-2

The psychopharmacologic treatment of personality disorders. Klar H, et al. **Psychiatr Clin North Am** 1984 Dec;7(4):791-801 (43 ref.)

A dramatic behavioral response to thyrotropin-releasing hormone following low-dose neuroleptics. Garbutt JC, et al. **Psychoneuroendocrinology** 1984;9(3):311-4

[Relation between the effect of tranquilizers and various features of personality structure among patients with borderline states] Aleksandrovskiĭ IuA, et al. **Zh Nevropatol Psikhiatr** 1984;84(9):1367-76 (Eng. Abstr.) (Rus)

[Antabus is unsuitable in treatment of borderline personalities] Aberg J. **Lakartidningen** 1984 Oct 10;81(41):3684-5 (Swe)

ETIOLOGY

Lymphocyte studies in a patient with neurological complications of Behçet's syndrome. Mallya R, et al. **Clin Rheumatol** 1982 Jun;1(2):131-5

[The premorbid personality in affective disorders] Bidzińska E. **Psychiatr Pol** 1984 May-Jun;18(3):267-72 (Pol)

[Role of personality reactions in the pathology of character formation in infantile cerebral palsy (clinico-psychological study)] Kalizhniuk ES, et al. **Zh Nevropatol Psikhiatr** 1985;85(3):416-21 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Familial transmission of schizotypal and borderline personality disorders. Baron M, et al. **Am J Psychiatry** 1985 Aug;142(8):927-34

Family history of alcoholism in borderline personality disorder. Loranger AW, et al. **Arch Gen Psychiatry** 1985 Feb;42(2):153-7

Clinico-genetic study of so-called borderline case. Chihara S, et al. **Bull Osaka Med Sch** 1983 Oct;29(2):106-20

HISTORY

Historical perspectives on the borderline concept: a review and critique. Aronson TA. **Psychiatry** 1985 Aug;48(3):209-22

Joan of Arc and DSM III. Henker FO. **South Med J** 1984 Dec;77(12):1488-90

NURSING

Contracting for care. One nursing approach to the hospitalized borderline patient. McEnany GW, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Apr;23(4):11-8

Destroyers. Written treatment contracts can help cure self destructive behaviors of the borderline patient. O'Brien P, et al. **J Psychosoc Nurs Ment Health Serv** 1985 Apr;23(4):19-23

OCCURRENCE

Sex and ethnic distribution of borderline personality disorder in an inpatient sample. Castaneda R, et al. **Am J Psychiatry** 1985 Oct;142(10):1202-3

Patients who complain of social dysfunction as their main problem: I. Clinical and demographic features. Greenberg D, et al. **Can J Psychiatry** 1985 Apr;30(3):206-11

Frequency of criteria-defined borderline patients among the first-visit patients at a psychiatric clinic. Ota T, et al. **Folia Psychiatr Neurol Jpn** 1984;38(4):417-24

[Deviant behavior patterns in Hungary during the Monarchy] Pisztora F. **Orv Hetil** 1985 Jan 13;126(2):95-9 (Hun)

PHYSIOPATHOLOGY

Personality disorder [letter] Horton PC. **Arch Neurol** 1985 Sep;42(9):840

Depression in borderline patients: a prospective EEG sleep study. Reynolds CF 3d, et al. **Psychiatry Res** 1985 Jan;14(1):1-15

Amphetamine response in borderline patients. Schulz SC, et al. **Psychiatry Res** 1985 Jun;15(2):97-108

PSYCHOLOGY

The borderline adolescent as a transitional object: a common variation. Giovacchini PL. **Adolesc Psychiatry** 1985;12:233-50

Families of borderline patients: literal-minded parents, borderline parents, and parental protectiveness. Feldman RB, et al. **Am J Psychiatry** 1984 Nov;141(11):1392-6

Was fever psychogenic in origin? [letter] Fiscella R. **Am J Psychiatry** 1985 Apr;142(4):516-7

Emotional features of narcissistic personality disorder. Svrakić DM. **Am J Psychiatry** 1985 Jun;142(6):720-4

Emotional and cognitive factors in the borderline profile. Kretsch R, et al. **Am J Psychother** 1984 Oct;38(4):517-23

Borderline personality disorder [clinical conference] Burkle FM Jr, et al. **Ann Emerg Med** 1985 Oct;14(10):996-1001

Maturity of ego defenses in relation to DSM-III axis II personality disorder. Vaillant GE, et al. **Arch Gen Psychiatry** 1985 Jun;42(6):597-601

Depression and panic in patients with borderline personality disorder. Grunhaus L, et al. **Biol Psychiatry** 1985 Jun;20(6):688-92

Narcissism and the narcissistic personality disorder: a comparison of the theories of Kernberg and Kohut. Russell GA. **Br J Med Psychol** 1985 Jun;58 (Pt 2):137-48

Deterioration of mood and elevation of anxiety in compulsive ritualising. van den Hout MA, et al. **Can J Psychiatry** 1984 Aug;29(5):390-3

Psychopathology of the physically abusing parent: a comparison with the borderline syndrome. Prodgers A. **Child Abuse Negl** 1984;8(4):411-24

14-year follow-up of borderline and schizotypal personality disorders. Plakun EM, et al. **Compr Psychiatry** 1985 Sep-Oct;26(5):448-55

The impact of borderline and schizotypal personality disorders on patients and their families. Schulz PM, et al. **Hosp Community Psychiatry** 1985 Aug;36(8):879-81

Narcissistic organization, projective identification, and the formation of the identificate. Sohn L. **Int J Psychoanal** 1985;66 (Pt 2):201-13

Developmental issues in borderline personalities. Levin DC. **Int J Psychoanal Psychother** 1984-85;10:173-89

Clinical aspects of character. Panel report. **J Am Psychoanal Assoc** 1983;31(1):225-36

Personality characteristics of epileptic patients: a controlled study of generalized and temporal lobe cases. Brandt J, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):25-38

Scale for the assessment of reality testing: reliability, validity, and factorial invariance. Bell MD, et al. **J Consult Clin Psychol** 1985 Aug;53(4):506-11

Assessing pathology in the separation-individuation process by an inventory. A preliminary report. Christenson RM, et al. **J Nerv Ment Dis** 1985 Sep;173(9):561-5

Validation of two scales for narcissistic personality disorder. Auerbach JS. **J Pers Assess** 1984 Dec;48(6):649-53

Personality characteristics of drug addicts and alcoholics on the Millon Clinical Multiaxial Inventory. Craig RJ, et al. **J Pers Assess** 1985 Apr;49(2):156-60

The Rorschach H response and object relations. Lerner H, et al. **J Pers Assess** 1984 Aug;48(4):345-50

The patient is splitting. Everyone knows and nothing changes. Gallop R. **J Psychosoc Nurs Ment Health Serv** 1985 Apr;23(4):6-10

Using Lakovic's system. Countertransference classifications. Witherspoon V. **J Psychosoc Nurs Ment Health Serv** 1985 Apr;23(4):30-4

'The fragile princess.' Midway on the borderline-narcissistic personality continuum. Zander K. **Perspect Psychiatr Care** 1984 Apr-Jun;22(2):77-84

Suicidal and parasuicidal behavior in borderline personality disorder. Gardner DL, et al. **Psychiatr Clin North Am** 1985 Jun;8(2):389-403 (36 ref.)

Addressing the borderline's repetitive misuse of the state hospital. Geller JL, et al. **Psychiatr Q** 1983 Winter;55(4):275-8

Psychobiology of the borderline disorders--a heuristic approach. Zarr ML. **Psychiatr Q** 1984 Fall;56(3):215-28

Assessment of suicide risk in patients with personality disorder and major affective diagnosis. Clements CD, et al. **QRB** 1985 May;11(5):150-4

Character and defense: relationships between oral, obsessive and hysterical character traits and defense mechanisms. von der Lippe A, et al. **Scand J Psychol** 1984;25(3):258-64

Personality and psychological factors in chronic duodenal ulcer. Their interaction with biological parameters. Magni G, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1984;135(2):315-20

Child stealing in Sri Lanka. A case report. Ganesvaran T, et al. **Singapore Med J** 1984 Aug;25(4):252-3

Environmental and personality similarities in case histories of suicide and self-poisoning by children under ten. Corder BF, et al. **Suicide Life Threat Behav** 1984 Spring;14(1):59-66

[Psychological aspects of anti-Semitism in fascist writers] Szafran AW. **Acta Psychiatr Belg** 1984 May-Jun;84(3):273-83 (Eng. Abstr.) (Fre)

[Fascist ideology and individual psychology] Szafran AW. **Ann Med Psychol (Paris)** 1984 Jul-Aug;142(7):959-73 (Eng. Abstr.) (Fre)

[Narcissism and the drives] Lavoie JG. **Psychiatr J Univ Ottawa** 1984 Sep;9(3):107-14 (Eng. Abstr.) (Fre)

[Uncharacteristic 'basic' symptoms in the Frankfurt Complaint Questionnaire and their relation to psychopathologic syndromes] Rösler M, et al. **Nervenarzt** 1985 May;56(5):259-64 (Ger)

[Borderline and narcissistic personality disorder--fashionable concepts or approaches to a new etiopathogenic and therapeutic understanding?] Schulze A. **Psychiatr Neurol Med Psychol (Leipz)** 1984 May;36(5):278-86 (Eng. Abstr.) (Ger)

[Personality structure of the psoriasis patient. Possibilities and necessities of differential psychodiagnosis in psychosomatic questions] Hünecke P, et al. **Z Psychosom Med Psychoanal** 1985;31(2):105-17 (Eng. Abstr.) (Ger)

[Borderline structure and painful skin hemorrhages: a case of Gardner-Diamond syndrome] Plassmann R. **Z Psychosom Med Psychoanal** 1985;31(2):118-28 (Eng. Abstr.) (Ger)

[Psychotism as a personality measure (remarks with regard to H.J. Eysenck's theory)] Pospiszyl K. **Psychiatr Pol** 1984 Nov-Dec;18(6):603-10 (26 ref.) (Pol)

[The personality structure of drug users] Bucher R, et al. **Acta Psiquiatr Psicol Am Lat** 1984 Sep;30(3):209-19 (Eng. Abstr.) (Por)

[Features of psychic infantilism as a risk factor for the development of psychopathy] Zhitlovskiĭ VE, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1701-4 (Eng. Abstr.) (Rus)

[Psychodynamic approach to character neuroses] Matijaš B, et al. **Vojnosanit Pregl** 1985 Jan-Feb;42(1):29-31 (Scr)

THERAPY

Medicolegal pitfalls in the treatment of borderline patients. Gutheil TG. **Am J Psychiatry** 1985 Jan;142(1):9-14

The use and abuse of theory in psychoanalysis. Marcus DM. **Am J Psychoanal** 1985 Spring;45(1):69-75

Separation and loss in psychoanalytic therapy with borderline patients: further remarks. Searles HF. **Am J Psychoanal** 1985 Spring;45(1):9-34

Prognostic indicators in the psychotherapy of borderline patients. Woollcott P Jr. **Am J Psychother** 1985 Jan;39(1):17-29

The psychiatric intensive care unit [letter] Jones JR. **Br J Psychiatry** 1985 May;146:561-2

Play in the psychotherapy of selfobject relating. Henderson J. **Can J Psychiatry** 1984 Aug;29(5):417-24

Survey of psychotherapeutic approaches to narcissistic personality disorder. Nurnberg HG. **Hillside J Clin Psychiatry** 1984;6(2):204-20 (23 ref.)

The effects of time-limited group psychotherapy: a controlled study. Budman SH, et al. **Int J Group Psychother** 1984 Oct;34(4):587-603

A group program for borderline mothers and their toddlers. Holman SL. **Int J Group Psychother** 1985 Jan;35(1):79-93

Effectiveness of different group structures for schizophrenic, character-disordered, and normal groups. Johnson DR, et al. **Int J Group Psychother** 1984 Jul;34(3):415-29

A case of phallic-narcissistic personality. Meissner WW. **J Am Psychoanal Assoc** 1985;33(2):437-69

Data-based versus symptomatic formulation of treatment: the case of a dependent personality. Turkat ID, et al. **J Behav Ther Exp Psychiatry** 1984 Jun;15(2):153-60

Development of a scale for measuring techniques in the psychotherapy of borderline patients. Koenigsberg HW, et al. **J Nerv Ment Dis** 1985 Jul;173(7):424-31

Psychodynamics and psychotherapeutic management of the self-destructive character-disordered patient. Silver D. **Psychiatr Clin North Am** 1985 Jun;8(2):357-75 (66 ref.)

Pills as transitional objects: a dynamic understanding of the use of medication in psychotherapy. Adelman SA. **Psychiatry** 1985 Aug;48(3):246-53

Supportive containment in the hospital care of treatment-resistant borderline adolescents. Braden E. **Psychiatry** 1984 Nov;47(4):315-22

Splitting dynamics, self-representations and boundary phenomena in the group psychotherapy of borderline personality disorders. Greene LR, et al. **Psychiatry** 1985 Aug;48(3):234-45

[Treatment of personality disorders? The sociotherapy workshop of the medical department of the Champ-Dollon prison (Geneva): 5-year survey] de Montmollin MJ. **Rev Med Suisse Romande** 1985 Jan;105(1):65-71 (Fre)

[Physicians and patient-prisoners. Sociological aspects of penitentiary medicine at the Champ-Dollon prison in Geneva] von Allmen M, et al. **Rev Med Suisse Romande** 1985 Jan;105(1):73-83 (Fre)

[Relation between the psychological circumstances of treatment and the fixed attitudes of neurotic patients] Vruk P, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1687-90 (Eng. Abstr.) (Rus)

PERSONALITY, HYSTERICAL see **HISTRIONIC PERSONALITY DISORDER**

PERSONALITY INVENTORY

Agoraphobics and social phobics: differences in background factors, syndrome profiles and therapeutic response. Persson G, et al. **Acta Psychiatr Scand** 1985 Feb;71(2):148-59

A revised form of the Tennessee Self-Concept Scale for use with deaf and hard of hearing persons. Gibson-Harman K, et al. **Am Ann Deaf** 1985 Jul;130(3):218-25

Hopelessness and eventual suicide: a 10-year prospective study of patients hospitalized with suicidal ideation. Beck AT, et al. **Am J Psychiatry** 1985 May;142(5):559-63

The behavioral high-risk paradigm and bipolar affective disorder, VIII: Serum free cortisol in nonpatient cyclothymic subjects selected by the General Behavior Inventory. Depue RA, et al. **Am J Psychiatry** 1985 Feb;142(2):175-81

Assessing borderline personality disorder with self-report, clinical interview, or semistructured interview. Hurt SW, et al. **Am J Psychiatry** 1984 Oct;141(10):1228-31

Neuroendocrine and personality variables in dysthymic disorder. Roy A, et al. **Am J Psychiatry** 1985 Jan; 142(1):94-7

Psychological factors associated with primary fibromyalgia syndrome. Ahles TA, et al. **Arthritis Rheum** 1984 Oct; 27(10):1101-6

The Mobility Inventory for Agoraphobia. Chambless DL, et al. **Behav Res Ther** 1985;23(1):35-44

Cognitive slippage, test anxiety, and responses in a group testing situation. Yates GC, et al. **Br J Educ Psychol** 1985 Feb;55 (Pt 1):28-33

The utility of the Millon Behavioral Health Inventory in the study of chronic headaches. Gatchel RJ, et al. **Headache** 1985 Jan;25(1):49-54

Can personality tests predict treatment dropouts? Craig RJ. **Int J Addict** 1984 Sep;19(6):665-74

An examination of the drug abuse scale of the Millon Clinical Multiaxial Inventory. Flynn PM, et al. **Int J Addict** 1984 Jul;19(4):459-68

Dysthymic distress and hostile personality characteristics in Greek student nurses: a comparative study. Vaslamatzis G, et al. **Int J Nurs Stud** 1985;22(1):15-20

A PIC profile typology of children and adolescents: I. Empirically derived alternative to traditional diagnosis. Gdowski CL, et al. **J Abnorm Psychol** 1985 Aug; 94(3):346-61

Assessment of depression by questionnaire compared to DSM-III diagnosis. Carr V, et al. **J Affective Disord** 1985 Mar-Apr;8(2):167-70

The development and validation of the children's self-report psychiatric rating scale. Beitchman JH, et al. **J Am Acad Child Psychiatry** 1985 Jul;24(4):413-28

Children's Depression Inventory: investigation of procedures and correlates. Saylor CF, et al. **J Am Acad Child Psychiatry** 1984 Sep;23(5):626-8

Standardization of the fear survey schedule based upon patients with DSM-III anxiety disorders. Tomlin P, et al. **J Behav Ther Exp Psychiatry** 1984 Jun;15(2):123-6

Selecting measures of emotional and behavioral disorders of childhood for use in general populations. Boyle MH, et al. **J Child Psychol Psychiatry** 1985 Jan;26(1):137-59 (69 ref.)

The validity of type A behavior scales for employed women. Meininger JC. **J Chronic Dis** 1985;38(5):375-83

Personality characteristics of epileptic patients: a controlled study of generalized and temporal lobe cases. Brandt J, et al. **J Clin Exp Neuropsychol** 1985 Feb;7(1):25-38

Pseudocholinesterase and trait anxiety in premenstrual tension syndrome. Giannini AJ, et al. **J Clin Psychiatry** 1985 Apr;46(4):139-40

Limitations of self-rating depression scales [letter] Robbins DR, et al. **J Clin Psychiatry** 1985 Jul;46(7):301

Psychological assessment in chronic pain. Duckro PN, et al. **J Clin Psychol** 1985 Jul;41(4):499-504

Clinical utility of the McVaugh and Grow rules for the detection of faking on the Personality Inventory for Children. Forbes GB. **J Clin Psychol** 1984 Sep;40(5):1205-9

A pilot comparison of purging and non-purging bulimics. Grace PS, et al. **J Clin Psychol** 1985 Mar;41(2):173-80

Content and response-style in the construct validation of self-report inventories: a canonical analysis. Greenblatt RL, et al. **J Clin Psychol** 1984 Nov;40(6):1414-20

The Unpleasant Events Schedule: a scale for the measurement of aversive events. Lewinsohn PM, et al. **J Clin Psychol** 1985 Jul;41(4):483-98

Subscales to the Taylor Manifest Anxiety Scale in three chronically ill populations. Moore PN, et al. **J Clin Psychol** 1984 Nov;40(6):1431-3

Affective disorders and depression as measured by the Diagnostic Interview Schedule and the Beck Depression Inventory in an unselected adult population. Oliver JM, et al. **J Clin Psychol** 1985 Jul;41(4):469-77

A statistical reevaluation of the STAI anxiety questionnaire. Tenenbaum G, et al. **J Clin Psychol** 1985 Mar;41(2):239-44

Missouri Children's Behavior Checklist profiles with developmentally disabled children: construct validity. Thompson RJ Jr, et al. **J Clin Psychol** 1985 Jul;41(4):556-64

Assessment of sensitivity to interpersonal stress in stutterers and nonstutterers. Greiner JR, et al. **J Commun Disord** 1985 Jun;18(3):215-25

Faking good and faking bad on the Personality Inventory for Children-Revised, shortened format. Daldin H. **J Consult Clin Psychol** 1985 Aug;53(4):561-3

Assessment of depression in alcoholics: further considerations--reply to Hagan and Schauer. Hesselbrock MN, et al. **J Consult Clin Psychol** 1985 Feb;53(1):67-9

Disguise and the structured self-report assessment of psychopathology: I. An analogue investigation. Holden RR, et al. **J Consult Clin Psychol** 1985 Apr;53(2):211-22

Validity of a revised Jesness inventory I-level classification with delinquents. Jesness CF, et al. **J Consult Clin Psychol** 1984 Dec;52(6):997-1010

Development and validation of a behavioral peer-rating measure of depression. Malouff J. **J Consult Clin Psychol** 1984 Dec;52(6):1108-9

Cognition and psychopathology: an analysis of social introversion and self-statements. Merluzzi TV, et al. **J Consult Clin Psychol** 1984 Dec;52(6):1102-3

Depression as measured by the DSM-III and the Beck Depression Inventory in an unselected adult population. Oliver JM, et al. **J Consult Clin Psychol** 1984 Oct; 52(5):892-8

The children's depression inventory: a systematic evaluation of psychometric properties. Saylor CF, et al. **J Consult Clin Psychol** 1984 Dec;52(6):955-67

Cognitions of test-anxious children under naturalistic test-taking conditions. Zatz S, et al. **J Consult Clin Psychol** 1985 Jun;53(3):393-401

Use of psychologic testing in characterizing the frequent user of ambulatory health care services. Marron JT, et al. **J Fam Pract** 1984 Dec;19(6):802, 806

Sex differences in the structure of the Philadelphia Geriatric Center Morale Scale. Liang J, et al. **J Gerontol** 1985 Jul; 40(4):468-77

A comparison of personality characteristics between in vitro fertilization patients and other infertile patients. Given JE, et al. **J In Vitro Fert Embryo Transfer** 1985 Mar;2(1):49-54

Impulsive nonconformity as a trait contributing to the prediction of psychotic-like and schizotypal symptoms. Chapman LJ, et al. **J Nerv Ment Dis** 1984 Nov; 172(11):681-91

Assessing pathology in the separation-individuation process by an inventory. A preliminary report. Christenson RM, et al. **J Nerv Ment Dis** 1985 Sep;173(9):561-5

Correlations of self-directed violence in acute schizophrenics with clinical ratings and personality measures. Seeman K, et al. **J Nerv Ment Dis** 1985 May;173(5):298-302

The Personality Inventory for Children and hyperactivity: clinical utility and generalizability problems. Forbes GB. **J Pediatr Psychol** 1985 Jun;10(2):141-9

Validation of two scales for narcissistic personality disorder. Auerbach JS. **J Pers Assess** 1984 Dec;48(6):649-53

Personality characteristics of drug addicts and alcoholics on the Millon Clinical Multiaxial Inventory. Craig RJ, et al. **J Pers Assess** 1985 Apr;49(2):156-60

The Goldfarb Fear of Fat Scale. Goldfarb LA, et al. **J Pers Assess** 1985 Jun;49(3):329-32

Stability of the personality and symptom scales of the Millon Clinical Multiaxial Inventory. McMahon RC, et al. **J Pers Assess** 1985 Jun;49(3):231-4

Worry and emotionality components of test anxiety. Minor SW, et al. **J Pers Assess** 1985 Feb;49(1):82-5

MCMI characteristics of DSM-III posttraumatic stress disorder in Vietnam veterans. Robert JA, et al. **J Pers Assess** 1985 Jun;49(3):226-30

Convergent and discriminant validity of the Child Abuse Potential Inventory. Robertson KR, et al. **J Pers Assess** 1985 Feb;49(1):86-8

Assessment of violence potential using measures of anger, hostility, and social desirability. Selby MJ. **J Pers Assess** 1984 Oct;48(5):531-44

The Depressive Experiences Questionnaire: revision and validation. Welkowitz J, et al. **J Pers Assess** 1985 Feb; 49(1):89-94

Measurement and structure of pathological gambling behavior. Zimmerman MA, et al. **J Pers Assess** 1985 Feb; 49(1):76-81

Evidence for extending the circumplex model of personality trait language to self-reported moods. Fisher GA, et al. **J Pers Soc Psychol** 1985 Jul;49(1):233-42

Measuring trait anxiety in general population samples. Ray JJ. **J Soc Psychol** 1984 Aug;123(2D Half):189-93

Construct validity of the MacAndrew Scale: secondary psychopathic and dysthymic-neurotic character orientations among adolescent male misdemeanor offenders. Moore RH. **J Stud Alcohol** 1985 Mar; 46(2):128-31

The value of the California Psychological Inventory in predicting medical students' career choice. Bartnick LW, et al. **Med Educ** 1985 Mar;19(2):143-7

Temporal lobe epilepsy and the Bear-Fedio personality inventory [letter] Bear DM. **Neurology** 1985 Feb; 35(2):284-6

Assessment measures that discriminate between levels of DUI clients. Brown NW. **Psychol Rep** 1985 Jun;56(3):739-42

Helping Beliefs Inventory: brief screening measure for training volunteer applicants in counseling. McLennan JP. **Psychol Rep** 1985 Jun;56(3):843-6

Comparisons of psychiatric outpatients with controls on Bipolar Profile of Mood States. Myhill J, et al. **Psychol Rep** 1985 Jun;56(3):779-82

Multitrait validation of the Revised Children's Manifest Anxiety Scale for children of high intelligence. Reynolds CR. **Psychol Rep** 1985 Apr;56(2):402

Rated clinical utility of the Psychological Inventory of Personality and Symptoms. Vincent KR, et al. **Psychol Rep** 1985 Jun;56(3):847-50

Reexamining the Beck Depression Inventory: the long and short of it. Vredenburg K, et al. **Psychol Rep** 1985 Jun; 56(3):767-78

A test to measure the awareness and expression of anger. Catchlove RF, et al. **Psychother Psychosom** 1985; 43(3):113-9

[Mutual relations between selected interoreflexive (so-called autonomic) and psychologic parameters] Opavský J, et al. **Cesk Neurol Neurochir** 1985 Jul;48(4):240-4 (Eng. Abstr.) (Cze)

[Factor structure of the H.S.C.L. in a sample of French anxious-depressed patients] Guelfi JD, et al. **Ann Med Psychol (Paris)** 1984 Jun;142(6):889-96 (Eng. Abstr.) (Fre)

[Brief self-evaluation questionnaire for depressive, asthenic and anxious dimensions] Pichot P, et al. **Ann Med Psychol (Paris)** 1984 Jun;142(6):862-5 (Eng. Abstr.) (Fre)

[Factor structure of the short form of the Freiburg Personality Inventory] Buschmann R, et al. **Arch Psychol (Frankf)** 1984;136(3):195-210 (Eng. Abstr.) (Ger)

[Content and formal evaluation of a psychoticism factor in multi-dimensional personality inventories. Exemplified by the Paranoid-Neuroticism-Depression Scale versions in relation to the Freiburg Personality Inventory and the Giessen Test] Hobi V. **Z Exp Angew Psychol** 1984; 31(4):586-609 (Eng. Abstr.) (Ger)

[Cluster analysis of alcoholic patients based on personality variables, social insecurity and control orientation] Klages U. **Z Klin Psychol Psychopathol Psychother** 1984; 32(3):260-70 (Eng. Abstr.) (Ger)

[Personality structure of the psoriasis patient. Possibilities and necessities of differential psychodiagnosis in psychosomatic questions] Hünecke P, et al. **Z Psychosom Med Psychoanal** 1985;31(2):105-17 (Eng. Abstr.) (Ger)

[Anxiety as a state and anxiety as a personality trait in patients with diseases of the abdominal organs before and following operation] Puchalski Z, et al. **Zentralbl Chir** 1985; 110(1):26-31 (Eng. Abstr.) (Ger)

[The Beck Depression Inventory in psychosomatic research] Ancona M, et al. **Minerva Psichiatr** 1985 Jan-Mar; 26(1):41-5 (Eng. Abstr.) (Ita)

[The 16 PF in acute myocardial infarct patients] Hernández Martínez J, et al. **Actas Luso Esp Neurol Psiquiatr** 1984 Sep-Oct;12(5):314-20 (Eng. Abstr.) (Spa)

PERSONALITY TESTS

Personality tests as a predictor of success in a residential treatment center. Munson RF, et al. **Adolescence** 1984 Fall; 19(75):697-701

Psychological interviews in screening couples undergoing in vitro fertilization. Haseltine FP, et al. **Ann NY Acad Sci** 1985;442:504-22

A comparison of data produced by different behavioral assessment techniques with implications for models of social-skills inadequacy. Nelson RO, et al. **Behav Res Ther** 1985;23(1):1-11

Discrimination of former depressed patients from healthy volunteers on the basis of stable personality traits assessed by means of KSP. von Knorring L, et al. **Eur Arch Psychiatry Neurol Sci** 1984;234(3):202-5

Abnormal illness behaviour: the nursing contribution. Wilson-Barnett J, et al. **Int J Nurs Stud** 1984;21(4):267-78

Creative imagination scale, 16PF M Scale and Revised Art Scale scores: a research note. Kornfeld AD. **Int J Psychosom** 1984;31(3):35-6

Personality and gender-related differences in depression. Hirschfeld RM, et al. **J Affective Disord** 1984 Dec; 7(3-4):211-21

The relationship between electromyogram level and the Children's Personality Questionnaire as measures of tension in upper elementary gifted students. Karnes FA, et al. **J Clin Psychol** 1985 Mar;41(2):169-72

Relationship between type A behavior subscales and measures of positive mental health. Leak GK, et al. **J Clin Psychol** 1984 Nov;40(6):1406-8

An assertiveness scale for adolescents. Lee DY, et al. **J Clin Psychol** 1985 Jan;41(1):51-7

Personality test correlates of psychiatric case history data. Comrey AL, et al. **J Consult Clin Psychol** 1985 Aug; 53(4):470-9

A procedural note on the measurement of broad dispositions. Epstein S. **J Pers** 1984 Dec;52(4):318-25

The predictive validity of the Zung Index of Potential Suicide. Petrie K, et al. **J Pers Assess** 1985 Feb;49(1):100-2

Revision of the sentence completion test for ego development. Loevinger J. **J Pers Soc Psychol** 1985 Feb; 48(2):420-7

Development of a brief self-report measure of the type A (coronary prone) behavior pattern. Blumenthal JA, et al. **J Psychosom Res** 1985;29(3):265-74

Personality characteristics and drinking patterns of high-risk drivers never apprehended for driving while intoxicated. Scoles P, et al. **J Stud Alcohol** 1984 Sep;45(5):411-6

The sickness impact profile: a global measure of disability in chronic low back pain. Follick MJ, et al. **Pain** 1985 Jan; 21(1):67-76

Sensitivity to noise in a community sample: I. Measurement of psychiatric disorder and personality. Stansfeld SA, et al. **Psychol Med** 1985 May;15(2):243-54

Prebioptic psychological characteristics of breast cancer patients. Wirsching M, et al. **Psychother Psychosom** 1985; 43(2):69-76

Perceptgenetic defenses against anxiety and a threatened sense of self as seen in terms of the Spiral Aftereffect Technique. Andersson AL, et al. **Scand J Psychol** 1985; 26(2):123-39

[Characteristics of the personality structure of children with minimal brain damage--a study of 12-year-olds using a multidimensional personality test (HSPQ)] Mladek G, et al. **Arztl Jugendkd** 1985 Feb;76(1):39-45 (Eng. Abstr.) (Ger)

NEWARK PUBLIC LIBRAR

METHODS

Cross-national reliability study of a schedule for assessing personality disorders. Tyrer P, et al. **J Nerv Ment Dis** 1984 Dec;172(12):718-21

PERSONALITY TYPE A see **TYPE A PERSONALITY**

PERSONNEL ADMINISTRATION, HOSPITAL

Sabbaticals for nurses--more than a break from the routine [editorial] Palmer PN. **AORN J** 1985 Jun;41(6):1000, 1002

How to create more humane and productive health care environments. Brozovich JP, et al. **Health Care Manage Rev** 1984 Fall;9(4):43-53

Hospitals urged to employ disabled persons. **Hospitals** 1984 Nov 1;58(21):75, 78

Terminations require thoughtful handling. **Hospitals** 1984 Nov 1;58(21):50

How to handle a strike. Anderson C, et al. **Hospitals** 1985 Jan 16;59(2):109-12

Erie, PA, hospital achieves 'productivity without trauma'. Evans JF. **Hospitals** 1984 Nov 16;58(22):93-6

Productivity efforts on the rise. Harju M, et al. **Hospitals** 1984 Nov 16;58(22):89-90

Contract disputes? Try arbitration. Metzger N, et al. **Hospitals** 1985 May 16;59(10):116, 118-9

Employee work restrictions for infection control. Valenti WM. **Infect Control** 1984 Dec;5(12):583-4

A simple work-sampling system for use in hospitals and health centres in the developing world. Bamisaiye A, et al. **J Trop Pediatr** 1984 Dec;30(6):299-303

Strikebound: a dispute involving hospital linen. Lacy CA, et al. **Med J Aust** 1985 Jun 24;142(13):685-7

Sabbaticals: not for teachers only! Curran CR. **Nurs Outlook** 1985 Mar-Apr;33(2):92-4

ECONOMICS

Coping with constraints: employee relations. Part 2. Stock R, et al. **Dimens Health Serv** 1983 Oct;60(10):24-6

Cost implications of hospital unionization: a behavioral analysis. Salkever DS. **Health Serv Res** 1984 Dec;19(5):639-64

Insurance risk-sharing saves benefits dollars: expert. **Hospitals** 1985 Aug 16;59(16):92, 96

Hospitals' employee benefits plans merit scrutiny for savings potential. **Hospitals** 1985 Aug 1;59(15):30-1

Data processing personnel expenses. Packer CL. **Hospitals** 1984 Oct 1;58(19):112-8

Downsizing without layoffs. Slothus HF, et al. **Hospitals** 1985 Apr 1;59(7):70, 72

LEGISLATION & JURISPRUDENCE

Hospital work stoppages—the legal basis and the legal response. Kruchko JG, et al. **Health Care Manage Rev** 1984 Fall;9(4):35-42

Staff reductions: legal and practical issues. Weimer W, et al. **Hospitals** 1985 Sep 16;59(18):114-5

The grievance-arbitration process. The experience of one nursing administration. Fay MS, et al. **J Nurs Adm** 1985 Jun;15(6):11-6

STANDARDS

Personnel audits: conducting an attitude survey. Lynch JG. **Dimens Health Serv** 1983 Oct;60(10):31-2

TRENDS

Union busters. Ballman CS. **Am J Nurs** 1985 Sep;85(9):962-6

The future of health care unions. Richman DA. **Hospitals** 1984 Oct 16;58(20):121-2, 125-6

Utilization drop prompts layoffs; labor balks at bearing the brunt. Riffer J. **Hospitals** 1984 Dec 16;58(24):58, 61-2

[Team form of organization and stimulation of the work of middle and junior medical personnel of a regional hospital] Obukhov OA, et al. **Sov Zdravookhr** 1985;(2):37-40 (Eng. Abstr.) **(Rus)**

PERSONNEL, HOSPITAL

Prevalence of viral hepatitis in the staff in Norwegian anaesthesiology units. Siebke JC, et al. **Acta Anaesthesiol Scand** 1984 Oct;28(5):549-53

Incubation of varicella-zoster virus [letter] Myers MG, et al. **Am J Dis Child** 1984 Dec;138(12):1155-6

Antibody to hepatitis B surface antigen among employees in the National Hospital, Oslo, Norway: a prevalence study. Hovig B, et al. **Am J Epidemiol** 1985 Jul;122(1):127-34

Managing employee apprehension toward handling cytotoxic drugs. Moore TD, et al. **Am J Hosp Pharm** 1985 Apr;42(4):826-31

Should your hospital's employees receive hepatitis B vaccine? Dandoy S, et al. **Am J Infect Control** 1984 Oct;12(5):297-300

Prevalence survey for hepatitis B in high-risk university hospital employees. Hicks CG, et al. **Am J Infect Control** 1985 Feb;13(1):1-6

A survey of hepatitis B vaccination programs for hospital employees. James SM, et al. **Am J Infect Control** 1985 Feb;13(1):32-4

Rubella screening and vaccination follow-up by a hospital employee health office. Kohl HW 3d. **Am J Infect Control** 1985 Jun;13(3):124-7

Profile of infection control practitioners in Canadian hospitals. Losos J, et al. **Am J Infect Control** 1984 Dec;12(6):325-8

The low yield of routine radiographic screening of tuberculin-positive hospital employees. Nemcek AA Jr, et al. **Am J Infect Control** 1985 Apr;13(2):52-6

Tuberculin skin testing of hospital employees: infection, 'boosting,' and two-step testing. Snider DE Jr, et al. **Am J Infect Control** 1984 Dec;12(6):305-11

Natural and induced immunity to hepatitis B virus among the staff of a pediatric oncology center. Williams BG, et al. **Am J Infect Control** 1984 Oct;12(5):261-5

Variability in the intradermal and in vitro lymphocyte responses to PPD in patients receiving isoniazid chemoprophylaxis. Tager IB, et al. **Am Rev Respir Dis** 1985 Feb;131(2):214-20

Health experiences of operating room personnel. Buring JE, et al. **Anesthesiology** 1985 Mar;62(3):325-30

The health of operating room personnel. Mazze RI, et al. **Anesthesiology** 1985 Mar;62(3):226-8

Antineoplastic drugs as an occupational hazard in hospitals [letter] Forst LS. **Ann Intern Med** 1985 Sep;103(3):473

Antibodies to hepatitis B surface antigen as the sole hepatitis B marker in hospital personnel. Kessler HA, et al. **Ann Intern Med** 1985 Jul;103(1):21-6

Cryptosporidiosis in hospital personnel. Evidence for person-to-person transmission. Koch KL, et al. **Ann Intern Med** 1985 May;102(5):593-6

Occupational hazards to hospital personnel. Patterson WB, et al. **Ann Intern Med** 1985 May;102(5):658-80 (370 ref.)

Hepatitis B vaccine in a hospital [letter] Schaaff DM, et al. **Ann Intern Med** 1984 Nov;101(5):720-1

Health care personnel and AIDS [letter] Siegel L. **Arch Intern Med** 1984 Dec;144(12):2431

Immune response to hepatitis B vaccine in the staff of a hemodialysis unit. Landa L, et al. **Arch Invest Med (Mex)** 1984 Apr-Jun;15(2):133-8 **(Eng, Spa)**

Group B streptococcal colonization among hospital personnel [letter] Concia E, et al. **Boll Ist Sieroter Milan** 1985;64(2):165-6

Needlestick injuries in hospital staff [letter] Waldron HA. **Br Med J [Clin Res]** 1985 Apr 27;290(6477):1285

Hepatitis B immune status of health workers: survey of a regional hospital in New Brunswick. Warner HA, et al. **Can J Public Health** 1984 Jul-Aug;75(4):314-7

Seroimmunity to poliomyelitis in hospital personnel. Tang RB, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1984 Nov;17(4):188-92

O.R. anesthetic gases: solutions to control waste. Sloan IA. **Dimens Health Serv** 1985 Feb;62(2):21

AIDS infection control precautions. Johnson MA. **Front Radiat Ther Oncol** 1985;19:160-3

The hepatitis B vaccine: utilization decision process and outcomes in community hospitals. Kirkman-Liff B, et al. **Health Serv Res** 1985 Jun;20(2):163-82

PPS prompts focus on multiple job skills. **Hospitals** 1985 Sep 1;59(17):66

A combined program in operation. Beideman ME, et al. **Infect Control** 1984 Oct;5(10):498-9

Risk of hepatitis B acquisition among hospital staff [letter] Birnbaum D. **Infect Control** 1985 Jul;6(7):260

Routine physical examinations for new employees? [letter] Craig CP. **Infect Control** 1984 Oct;5(10):465-6

Acceptance of hepatitis B vaccine by hospital personnel. Crossley KB, et al. **Infect Control** 1985 Apr;6(4):147-9

The transmission of infections in hospitals by staff carriers, methods of prevention and control [editorial] Daschner FD. **Infect Control** 1985 Mar;6(3):97-9

Needle punctures--documentation and incidence rate calculation. Fishman M, et al. **Infect Control** 1985 Jan;6(1):35-6

False positive PPD reactions. Gurevich I, et al. **Infect Control** 1985 Jun;6(6):241-2

Caring for the infectious patient: risk factors during pregnancy. Gurevich I, et al. **Infect Control** 1984 Oct;5(10):482-8

Occupational risk of hepatitis B infection in hospital workers. Hadler SC, et al. **Infect Control** 1985 Jan;6(1):24-31

Use of Heptavax in Salt Lake County hospitals [letter] Jacobson JT. **Infect Control** 1985 Jul;6(7):259-60

Cost of hepatitis B prevention in hospital employees: post-exposure prophylaxis. Kirkman-Liff B, et al. **Infect Control** 1984 Aug;5(8):385-9

A multi-hospital hepatitis B vaccine program: prevalence of antibody and acceptance of vaccination among high-risk hospital employees. Klimek JJ, et al. **Infect Control** 1985 Jan;6(1):32-4

Cost-effectiveness of the two-step skin test for tuberculosis screening of employees in a community hospital. Lé CT. **Infect Control** 1984 Dec;5(12):570-2

Brief report: bacteriological sampling of telephones and other hospital staff hand-contact objects. Rafferty KM, et al. **Infect Control** 1984 Nov;5(11):533-5

Tuberculin (TB) skin testing after exposure. Valenti WM. **Infect Control** 1985 Jun;6(6):249-50

The epidemiology of varicella in staff and students of a hospital in the tropics. Venkitaraman AR, et al. **Int J Epidemiol** 1984 Dec;13(4):502-5

Herpetic whitlow [letter] Byth PL. **Intensive Care Med** 1984;10(6):321-2

Prevalence of gram-negative bacilli in nares and on hands of pharmacy personnel: lack of effect of occupational exposure to antibiotics. Weil DC, et al. **J Clin Microbiol** 1984 Nov;20(5):933-5

Pregnancy and its outcome among hospital personnel according to occupation and working conditions. Saurel-Cubizolles MJ, et al. **J Epidemiol Community Health** 1985 Jun;39(2):129-34

Rational management of patients with 'exotic' infectious diseases. Dannis DC. **J Hosp Infect** 1984 Dec;5 Suppl A:107-9

Prevalence of viral hepatitis among the hospital staff in CSR between 1980 and 1982. Seyčková J, et al. **J Hyg Epidemiol Microbiol Immunol** 1984;28(3):267-78

Susceptibility of hospital personnel to varicella-zoster virus [letter] Shehab ZM, et al. **J Infect Dis** 1984 Nov;150(5):786

Time for rewording 'annual' [editorial] Kirkland LR. **J Med Assoc Ga** 1985 Jul;74(7):517-8

Preplacement examination of temporary hospital workers. Lewy R. **J Occup Med** 1985 Feb;27(2):122-4

Hepatitis B infection in other hospital personnel [letter] Alexander WJ, et al. **JAMA** 1984 Nov 2;252(17):2391-2

The low risk of hepatitis B in rural hospitals. Results of a seroepidemiologic survey. Harris JR, et al. **JAMA** 1984 Dec 21;252(23):3270-2

The low risk of hepatitis B in rural hospitals [letter] Lange WR, et al. **JAMA** 1985 Aug 9;254(6):752-3

A recommended approach to the evaluation of human rabies exposure in an acute-care hospital. Remington PL, et al. **JAMA** 1985 Jul 5;254(1):67-9

Hepatitis B surface antigen (HbsAg): (a survey of hospital staff in Zambia). Bhagwat GP, et al. **Med J Zambia** 1983 Oct;17(4):106-8

Physical fitness in the hospital setting. Barber LM Jr, et al. **Milit Med** 1985 May;150(5):278-82

Smoke-free hospitals. Attitudes of patients, employees, and faculty. Kottke TE, et al. **Minn Med** 1985 Jan;68(1):53-5, 22

Some effects of a hospital employee strike on patient satisfaction. Rosenberg G, et al. **Mt Sinai J Med (NY)** 1985 Apr;52(4):259-64

Cytogenetic damage in workers exposed to ethylene oxide. Sarto F, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):185-95

Transmission of hepatitis B without transmission of AIDS by accidental needlestick [letter] Gerberding JL, et al. **N Engl J Med** 1985 Jan 3;312(1):56-7

Risk of nosocomial infection with human T-cell lymphotropic virus III (HTLV-III). Hirsch MS, et al. **N Engl J Med** 1985 Jan 3;312(1):1-4

Abnormal helper:suppressor T-cell ratio in the staff of a pediatric hospital [letter] Somma C, et al. **N Engl J Med** 1985 Jun 13;312(24):1573-4

Increased risk of illness among nursery staff caring for neonates with necrotizing enterocolitis. Gerber AR, et al. **Pediatr Infect Dis** 1985 May-Jun;4(3):246-9

Prevalence of hepatitis B antibodies in personnel at a children's hospital. Storch GA, et al. **Pediatrics** 1985 Jul;76(1):29-35

Assessment of potential exposure to antineoplastic agents in the health care setting. Stellman JM, et al. **Prev Med** 1984 May;13(3):245-55

The herpes simplex viruses: the facts health professionals need to know. Jensen SC, et al. **Radiol Technol** 1985 May-Jun;56(5):302-5

Endemic Lassa fever in Liberia. V. Distribution of Lassa virus activity in Liberia: hospital staff surveys. Frame JD, et al. **Trans R Soc Trop Med Hyg** 1984;78(6):761-3

Hepatitis B prevention in small rural hospitals. Dandoy S, et al. **West J Med** 1984 Nov;141(5):627-30

[Epidemiological survey of viral hepatitis among a hospital staff] Ma J. **Chung Hua Liu Hsing Ping Hsueh Tsa Chih** 1984 Dec;5(6):321-4 (Eng. Abstr.) **(Chi**

[Blood contacts and puncture accidents in hospital workers an indication for vaccination against hepatitis B?] Botmar MJ, et al. **Ned Tijdschr Geneeskd** 1984 Sep 15 128(37):1761-5 (Eng. Abstr.) **(Dut**

[Hepatitis B vaccination of hospital personnel] Stelling T et al. **Ned Tijdschr Geneeskd** 1984 Sep 15;128(37):1753- (Eng. Abstr.) **(Dut**

[Hepatitis B virus infections in hospitals] Wirsing von Köni CH, et al. **Immun Infekt** 1984 Jun;12(3):151-5 (Eng. Abstr **(Ge**

[Occupational medicine problems in hospitals] Aarli JA. **Tidsskr Nor Laegeforen** 1984 Dec 20;104(35-36):2516-7 **(No**

[Humoral immunity in hepatitis A and B among workers an infectious disease hospital] Juszczyk J, et al. **Pol Tyg Lek** 1985 Jan 21;40(3):61-4 (Eng. Abstr.) **(Po**

[Epidemiology of lambliasis. III. Lambliasis among personn of pediatric hospital departments] Lisowska M, et al. **Przegl Epidemiol** 1984;38(3):289-93 (Eng. Abstr.) **(P**

[Legionellosis in Brazil: a serological survey among blo donors and personnel of intensive care units of 3 São Pau hospitals] Veronesi R, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1984 Nov-De 39(6):257-9 (Eng. Abstr.) **(P**

[Occupational health and disease among the staff resuscitation and intensive care units] Kaptsov VA, et **Gig Tr Prof Zabol** 1984 Nov;(11):19-22 (Eng. Abstr.) **(R**

[Cost-benefit analysis of a program for vaccination against hepatitis B in health personnel of a hospital] Rivera F, et al. **Med Clin (Barc)** 1984 Nov 10;83(15):611-4 (Eng. Abstr.) **(Spa)**

[Prevalence of serum markers of hepatitis B virus in medical and non-medical personnel in a general hospital] Sánchez-Quijano A, et al. **Med Clin (Barc)** 1984 Jun 2; 83(1):1-3 (Eng. Abstr.) **(Spa)**

[Prevalence of hepatitis B virus infection: comparative study among different areas of a general hospital] Villate JI, et al. **Med Clin (Barc)** 1985 May 4;84(17):679-81 (Eng. Abstr.) **(Spa)**

[Infection by hepatitis B virus. Epidemiological study in a general hospital] Villate JI, et al. **Med Clin (Barc)** 1985 Jan 26;84(3):85-9 (Eng. Abstr.) **(Spa)**

[Analysis of the frequency of hepatitis B in different hospital zones. Bases for prevention] Juanes Pardo JR, et al. **Rev Clin Esp** 1985 Mar;176(4):182-6 (Eng. Abstr.) **(Spa)**

[Hepatitis B surface antigens (HBsAg) and anti-HBs antibodies in outpatients and hospital personnel] Velasco M, et al. **Rev Med Chil** 1984 Oct;112(10):994-7 (Eng. Abstr.) **(Spa)**

EDUCATION

A fair prospect for infection control. Smith T, et al. **Am J Nurs** 1985 Jan;85(1):76, 81

Medical information system training: an analysis of the reactions of hospital employees. Kjerulff KH, et al. **Comput Biomed Res** 1984 Aug;17(4):303-10

Sexuality education for staff in long-term psychiatric hospitals. Cohen DD, et al. **Hosp Community Psychiatry** 1985 Feb;36(2):187-9

Assessing readiness for guest relations programs. Eisenberg B, et al. **Hospitals** 1985 Apr 16;59(8):128, 132

Training of personnel for infection control in Germany. Thimm BM. **Infect Control** 1984 Aug;5(8):395-8

Selection of medical technology students in a hospital-based program. Bobek JR, et al. **J Allied Health** 1984 Aug; 13(3):197-204

Fire safety in-service provides hands-on experience. Dill SC. **Occup Health Saf** 1984 Sep;53(8):61-2

[The evolution of audio-scripto-visual centers in the hospital environment] Garneau J, et al. **Union Med Can** 1984 Sep; 113(9):778-80, 785 (Eng. Abstr.) **(Fre)**

LEGISLATION & JURISPRUDENCE

Monitoring employee exposures limits liability, morale problems. Mosser JL. **Occup Health Saf** 1985 May; 54(5):30-1, 34, 36-7

PSYCHOLOGY

The death of a hospital. Sacewicz LN. **Am J Nurs** 1985 Jun; 85(6):760

The psychological impact of disaster on rescue personnel. Durham TW, et al. **Ann Emerg Med** 1985 Jul;14(7):664-8

Rates of sickness absenteeism among employees of a modern hospital: the role of demographic and occupational factors. Pines A, et al. **Br J Ind Med** 1985 May;42(5):326-35

Misericordia's wellness program improves employees' lifestyles. Fillingham E. **Dimens Health Serv** 1984 Dec; 61(12):34-5

Personnel audits: conducting an attitude survey. Lynch JG. **Dimens Health Serv** 1983 Oct;60(10):31-2

AIDS: the impact on the health care worker. Lusby GI. **Front Radiat Ther Oncol** 1985;19:164-7

Measurement of occupational stress in hospital settings: two validity studies of a measure of self-reported stress in medical emergency rooms. Hammer JS, et al. **Gen Hosp Psychiatry** 1985 Apr;7(2):156-62

Hospital staff's perceptions of the alcoholic. Romney DM, et al. **Int J Addict** 1985 Mar;20(3):393-402

Hospital-based wellness committee. Waits EJ. **J Med Assoc Ga** 1984 Nov;73(11):779-80

[Psychological study of a group of university anesthetists] Moro Boscolo E, et al. **Cah Anesthesiol** 1985 Mar; 33(2):141-3 **(Fre)**

STANDARDS

Efficiency points: total score versus subject area score--is there an association? Kuyper LA. **Psychol Rep** 1985 Jun; 56(3):867-73

SUPPLY & DISTRIBUTION

Hospital manpower: study released. Le Touzé D. **Dimens Health Serv** 1985 Feb;62(2):6-7, 18 **(Eng, Fre)**

PERSONNEL, HOSPITAL, ORGANIZATION AND ADMINISTRATION see **PERSONNEL ADMINISTRATION, HOSPITAL**

PERSONNEL LOYALTY see under **PERSONNEL MANAGEMENT**

PERSONNEL MANAGEMENT

see related

PERSONNEL ADMINISTRATION, HOSPITAL

Progressive discipline. White SJ, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1824-8

The bilateral job interview. The interviewer prepares. Manley MJ, et al. **Am J Nurs** 1984 Oct;84(10):1237-41

The bilateral job interview. The interviewee prepares. Myli AR, et al. **Am J Nurs** 1984 Oct;84(10):1238-41

Clinic turmoil and staff transitions. Gardner CS, et al. **Am J Orthopsychiatry** 1985 Jul;55(3):439-45

Using a computer to coordinate staff and meet patients' needs. Poss CN. **AORN J** 1985 May;41(5):940-1, 943

Performance appraisal of the board and chief executive officer at the Port Augusta Hospital. Cheers L. **Aust Clin Rev** 1985 Mar;(16):23-5

Quality circles. Ours to question 'why'? Cornish C. **Aust Clin Rev** 1984 Dec;(15):19-22

Minor psychiatric morbidity and labour turnover. Jenkins R. **Br J Ind Med** 1985 Aug;42(8):534-9

Recruiting new principals in general practice. Key I. **Br Med J [Clin Res]** 1985 Aug 17;291(6493):451-5

An UCCA scheme for SHOs? [letter] King RC. **Br Med J [Clin Res]** 1985 Aug 3;291(6491):351

The problem of attesting fitness for duty of seafarers seen against reductions of shipboard personnel. Zorn E. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):49-53

Hiring during a hiring freeze: the statistical edge. Heiberger EH. **Bull Med Libr Assoc** 1984 Oct;72(4):392-4

Dismissal for theft. **Can Dent Assoc J** 1985 Feb;51(2):135-7

The balance between research and medical education depends on scholarship [editorial] Burrow GN. **Can Med Assoc J** 1985 Mar 1;132(5):514-5

Chronobiology and shift work: current issues and trends. Folkard S, et al. **Chronobiologia** 1985 Jan-Mar;12(1):31-54 (94 ref.)

Measuring workload--a nursing WISH. Dunlop N, et al. **Dimens Health Serv** 1983 Oct;60(10):40

Human resource planning at Toronto's Baycrest Centre. Zimmerman E. **Dimens Health Serv** 1983 Oct;60(10):29-30

Job process charts and man-computer interaction within Naval command systems. Tainsh MA. **Ergonomics** 1985 Mar;28(3):555-65

Alternatives to age for assessing occupational performance capacity. Avolio BJ, et al. **Exp Aging Res** 1984 Summer; 10(2):101-5

Job turnover and job satisfaction among nursing home aides. Waxman HM, et al. **Gerontologist** 1984 Oct;24(5):503-9

Evaluation of a contract model for professional nursing practice. Dear MR, et al. **Health Care Manage Rev** 1985 Spring;10(2):65-77

Quality circles: the myth and reality of hospital management. Ikegami N, et al. **Health Care Manage Rev** 1985 Summer; 10(3):45-53

Financial incentives for middle managers: pilot program in an inner city, municipal teaching hospital. Shyavitz L, et al. **Health Care Manage Rev** 1985 Summer;10(3):37-44

Changing staffing patterns in community mental health centers. Thompson JW, et al. **Hosp Community Psychiatry** 1984 Nov;35(11):1107-14

Hospitals more interested in incentives. **Hospitals** 1985 Apr 1;59(7):34, 36

Board involvement key to incentive comp plans. **Hospitals** 1985 Apr 16;59(8):58, 62

How to select and support the hospital sales team. Louden T. **Hospitals** 1985 Sep 1;59(17):84-5

Staff composition, job perceptions, and work retention of nursing personnel in geriatric institutions. Bergman R, et al. **Int J Nurs Stud** 1984;21(4):279-93

Hiring staff can be as serious as getting married. Weisenstein B. **J Am Optom Assoc** 1985 Aug;56(8):651-3

Shift work. Olson CM. **J Emerg Med** 1984;2(1):37-43

The residency interview [letter] Weiss ST. **J Med Educ** 1984 Oct;59(10):848

Managing staff cutbacks. Darling LA, et al. **J Nurs Adm** 1985 Jan;15(1):29-34

Retrenchment. How nurse executives cope. Feldman J, et al. **J Nurs Adm** 1985 Jun;15(6):31-7

The tenure of directors of nursing. Freund CM. **J Nurs Adm** 1985 Feb;15(2):11-5

Improving nursing morale in a climate of cost containment. Part 2. Program planning. Haw MA, et al. **J Nurs Adm** 1984 Nov;14(11):10-5

Increasing productivity through performance evaluation. Lachman VD. **J Nurs Adm** 1984 Dec;14(12):7-14

Creating a climate for excellence. Lancaster J. **J Nurs Adm** 1985 Jan;15(1):16-9

Formulating a managerial strategy for part-time nurses. Wakefield DS, et al. **J Nurs Adm** 1985 Jan;15(1):35-9

Evaluation of a baccalaureate nursing program by alumni and of alumni by their supervisors. Knowles LN, et al. **J Nurs Educ** 1985 Jun;24(6):261-4

Preplacement examination of temporary hospital workers. Lewy R. **J Occup Med** 1985 Feb;27(2):122-4

Relating posture to discomfort in VDT use. Starr SJ, et al. **J Occup Med** 1985 Apr;27(4):269-71

Protection of Sudanese irrigation workers from schistosome infections by a shift to earlier working hours. Tameim O, et al. **J Trop Med Hyg** 1985 Apr;88(2):125-30

On-site physician staffing in a community hospital intensive care unit. Impact on test and procedure use and on patient outcome. Li TC, et al. **JAMA** 1984 Oct 19;252(15):2023-7

Staffing ratios in public institutions for persons with mental retardation in the United States. Epple WA, et al. **Ment Retard** 1985 Jun;23(3):115-24

Factors that encourage nurses to remain in nursing. Ruffing KL, et al. **Nurs Forum** 1984;21(2):78-85

On the consequences of overturning turnover: a study of performance and turnover. Lowery BJ, et al. **Nurs Res** 1984 Nov-Dec;33(6):363-7

Core-12: a controlled study of the impact of 12-hour scheduling. Mills ME, et al. **Nurs Res** 1983 Nov-Dec; 32(6):356-61

Predicting nurses' turnover and internal transfer behavior. Taylor MS, et al. **Nurs Res** 1985 Jul-Aug;34(4):237-41

Providing replacement air necessary for ventilation systems. Burton DJ. **Occup Health Saf** 1985 Jan;54(1):48

Cooperative programs cutting costs, accidents in construction. Stafford E. **Occup Health Saf** 1985 Jan; 54(1):40-3

Checking references important in hiring. Sweeney DR, et al. **Pa Med** 1985 Feb;88(2):38

What a director of pharmacology looks for in a physiologist. Kaplan HR. **Physiologist** 1984 Oct;27(5):356-7

Modeling labor arbitration decisions: factors used in medically-based grievances. Leap TL, et al. **Psychol Rep** 1985 Apr;56(2):559-66

The importance of motivating radiology department employees. Kowalczyk N. **Radiol Technol** 1984 Sep-Oct; 56(1):13-6

A comparison of two behavioral influence techniques for improving blood donor recruitment. Hayes TJ, et al. **Transfusion** 1984 Sep-Oct;24(5):399-403

[Comments on the process of work motivation as a part of the management of health facilities] Zámková V. **Cesk Zdrav** 1984 Jul;32(6-7):273-6 (Eng. Abstr.) **(Cze)**

[Extent of duties and time structure of activities of district physicians] Lötsch A, et al. **Z Arztl Fortbild (Jena)** 1985; 79(13):577-8 **(Ger)**

[Value of a rational work schedule for female industrial workers in the prevention of pregnancy complications] Miterev AG. **Akush Ginekol (Mosk)** 1984 Dec;(12):52-3 **(Rus)**

[Achievement in mastering the job of instrument control operator in the chemical industry in relation to the manifestation of personality characteristics and the developmental level of psychophysiological functions] Bobrishcheva-Pushkina ND. **Gig Tr Prof Zabol** 1984 Jul; (7):22-6 (Eng. Abstr.) **(Rus)**

[LBNP training of crew members of the Saliut-6 orbital station] Mikhaĭlov VM, et al. **Kosm Biol Aviakosm Med** 1984 Nov-Dec;18(6):29-33 (Eng. Abstr.) **(Rus)**

[Calculation of the number of personnel required for technical servicing of medical equipment] Brenev EV, et al. **Med Tekh** 1985 Mar-Apr;(2):41-6 (Eng. Abstr.) **(Rus)**

[Psychological selection of pilots and cosmonauts] Bodrov VA, et al. **Probl Kosm Biol** 1984;48:3-264 **(Rus)**

[Scope and type of activities of specialists of the sanitary hygienic laboratories with regard to environmental control] Belotserkovskaia LI, et al. **Sov Zdravookhr** 1984;(5):43-5 (Eng. Abstr.) **(Rus)**

[Annual holidays of personnel of medical departments, institutions and military-educational establishments of the Soviet Army and Navy] **Voen Med Zh** 1985 Feb;(2):77-9 **(Rus)**

[Psychological classification of military specialties] D'iakonov IF, et al. **Voen Med Zh** 1985 Jan;(1):46-9 **(Rus)**

[Evaluation of work schedules of physicians in infectious disease departments] Goliusova EV, et al. **Vrach Delo** 1985 Jan;(1):116-8 **(Rus)**

[Organization of the activities of district and city gastroenterologists] Vakulenko EF. **Vrach Delo** 1985 Jan; (1):118-9 **(Rus)**

[A contemporary model of environmental health sciences: its application in the recruitment of faculty and in academic development] Guidotti TL, et al. **Educ Med Salud** 1985; 19(2):173-86 (Eng. Abstr.) **(Spa)**

ECONOMICS

Monetary incentive for pharmacists to control drug costs. Herrick JD, et al. **Am J Hosp Pharm** 1985 Jul;42(7):1527-32

Justifying additional pharmacist staff in an era of cost reductions. Perkins LD, et al. **Am J Hosp Pharm** 1984 Oct; 41(10):2033-6

OR cost survey. Results of a nationwide study. Nelson AH, et al. **AORN J** 1985 Mar;41(3):569-77

The relationship between nurse staffing policies and nursing budgets. Hancock WM, et al. **Health Care Manage Rev** 1984 Fall;9(4):21-6

Data processing personnel expenses. Packer CL. **Hospitals** 1984 Oct 1;58(19):112-8

Downsizing without layoffs. Slothus HF, et al. **Hospitals** 1985 Apr 1;59(7):70, 72

Cost per RN hired. Hoffman FM. **J Nurs Adm** 1985 Feb; 15(2):27-9

LEGISLATION & JURISPRUDENCE

Discrimination in employment. Ellis N. **Br Med J [Clin Res]** 1984 Oct 6;289(6449):886-7

GPs and their staff: dismissals: fair or unfair? Ellis N. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):668-70

Interest arbitration in health care--a panacea or pandora's box? Carew WL. **Dimens Health Serv** 1984 Dec;61(12):17-8

The grievance-arbitration process. The experience of one nursing administration. Fay MS, et al. **J Nurs Adm** 1985 Jun;15(6):11-6

METHODS

On establishing an employee assistance program. Cox WH. **Ala J Med Sci** 1984 Oct;21(4):433-4

The provision of junior anaesthetic staff for the intensive care unit of a district general hospital: a workable solution? Millar JM. **Ann R Coll Surg Engl** 1984 Nov;66(6):438-40

Competitive employment: assessing employee reactivity to naturalistic observation. Rusch FR, et al. **Appl Res Ment Retard** 1984;5(3):339-51

Do advertisements help in the appointment of a new partner? Higson N. **Br Med J [Clin Res]** 1985 Jan 5;290(6461):35-6

Recruitment into psychiatry: a study of the timing and process of choosing psychiatry as a career. Cameron P, et al. **Can J Psychiatry** 1984 Dec;29(8):676-80

An employee office smoking policy. McIntosh ID. **Can J Public Health** 1985 Jan-Feb;76(1):61-2

A tool for selecting residential child care workers: an initial report. Ross AL, et al. **Child Welfare** 1985 Jan-Feb; 64(1):46-54

Japanese management: seven 'S' framework. Valentine PE. **Dimens Health Serv** 1983 Oct;60(10):34-5

The residency selection process: chaos in a bull market [editorial] Bragg DG, et al. **Invest Radiol** 1985 Mar-Apr; 20(2):119

The redundancy of student comments and numerical ratings in evaluations of teaching. Leonard DL, et al. **J Allied Health** 1985 Feb;14(1):141-7

Tenure and the allied health professions: issues and alternatives. Mettler P, et al. **J Allied Health** 1985 Feb; 14(1):119-27

Identifying the right nurse manager. An objective selection process. Johnson EP, et al. **J Nurs Adm** 1984 Nov; 14(11):24-30

Use of physician-hired nurses. A survey. Rustia J, et al. **J Nurs Adm** 1985 Sep;15(9):35-40

Assessment center technology. Selecting head nurses. Sullivan EJ, et al. **J Nurs Adm** 1985 May;15(5):13-8

Nursing algorithms. Thornton LM. **J Nurs Adm** 1985 Jan; 15(1):11-5

Systematic faculty evaluation: a growing critical concern. Bobbitt KC. **J Nurs Educ** 1985 Feb;24(2):86-8

Decision-modeling methods used to design decision support systems for staffing. Nutt PC. **Med Care** 1984 Nov; 22(11):1002-13

A quick cure for those hiring headaches. Peringian L, et al. **Nurs Forum** 1984;21(2):86-90

Nurse acuity systems: CASH vs. GRASP (a determination of nurse staff requirements). Schroeder RE, et al. **Nurs Forum** 1984;21(2):72-7

Getting your office staff in shape. Porter S. **Ohio State Med J** 1984 Dec;80(12):847-51

Physician and staff. A new look at an old relationship. Weiss JJ. **Postgrad Med** 1985 Jan;77(1):66, 69, 72

[Basic principles of the development of a system for the occupational psychological selection of servicemen and its performance] Bodrov VA. **Voen Med Zh** 1984 Sep;(9):41-3 **(Rus)**

STANDARDS

Behaviorally anchored ranking scale versus letters of recommendation for evaluating residency candidates. Doutré WH, et al. **Am J Hosp Pharm** 1984 Nov; 41(11):2367-70

Age and space flight. Mohler SR. **Aviat Space Environ Med** 1985 Jul;56(7):714-7

Criteria for selecting residents: a reassessment. Ross CA, et al. **Can J Psychiatry** 1984 Dec;29(8):681-6

Striving for excellence--unlocking staff potential. Part 1. Christopher K. **Dimens Health Serv** 1985 Feb;62(2):39

Temporal stability of multichannel, multimodal ERP recordings. Lewis GW. **Int J Neurosci** 1984 Dec; 25(1-2):131-44

[Psychophysiological criteria of the occupational suitability of adolescents for gas-arc welding] Kispaev TA. **Gig Sanit** 1985 May;(5):27-30 (Eng. Abstr.) **(Rus)**

TRENDS

Smokers', nonsmokers' rights collide in the work environment. Barrus WR. **Occup Health Saf** 1985 Feb; 54(2):31-3

PERSONNEL SELECTION see under **PERSONNEL MANAGEMENT**

PERSONNEL STAFFING AND SCHEDULING see under **PERSONNEL MANAGEMENT**

PERSONNEL TURNOVER see under **PERSONNEL MANAGEMENT**

PERSUASION see **PERSUASIVE COMMUNICATION**

PERSUASIVE COMMUNICATION

Auto-hypnosis as a defense against coercive persuasion. Balson PM, et al. **Am J Clin Hypn** 1984 Apr;26(4):252-60

Persuasive communication and medical technology assessment. Winkler JD, et al. **Arch Intern Med** 1985 Feb; 145(2):314-7

Induced lateral orientation and persuasibility. Drake RA, et al. **Brain Cogn** 1985 Apr;4(2):156-64

Stimulating dental attendance in the Netherlands: comparison of three conceptual frameworks. ter Horst G, et al. **Community Dent Oral Epidemiol** 1985 Jun;13(3):136-9

How do persuasive health messages work? A health education field study. Rimer B, et al. **Health Educ Q** 1984 Fall;11(3):313-21

Prevention of adolescent tobacco smoking: the social pressure resistance training approach. Killen JD. **J Child Psychol Psychiatry** 1985 Jan;26(1):7-15

Interview with Jerome Frank,Ph.D.,MD. Exploring concepts of influence, persuasion, and healing. Frank J. **J Psychosoc Nurs Ment Health Serv** 1984 Sep;22(9):32-4, 36-7

Iatrogenic symptoms associated with a therapy cult: examination of an extinct 'new psychotherapy' with respect to psychiatric deterioration and 'brainwashing'. Hochman J. **Psychiatry** 1984 Nov;47(4):366-77

Public communication on donorcards: a comparison of persuasive styles. Winkel FW. **Soc Sci Med** 1984; 19(9):957-63

PERTECHNETATE SODIUM see **TECHNETIUM TC 99M PERTECHNETATE**

PERTUSSIS see **WHOOPING COUGH**

PERTUSSIS VACCINE

Polymyxin and pertussis [letter] Bannatyne RM. **Am J Dis Child** 1984 Dec;138(12):1158

Cost of DPT vaccine [letter] Olsen LJ. **Del Med J** 1984 Oct; 56(10):609

Invalid contraindications to pertussis immunisation [letter] Archer LN, et al. **Lancet** 1985 Jun 22;1(8443):1452

Whooping cough vaccine research revs up [news] Sun M. **Science** 1985 Mar 8;227(4691):1184-6

ADMINISTRATION & DOSAGE

Immunization coverage increased in Suriname. **Bull Pan Am Health Organ** 1985;19(1):101-2

Fractional doses of DPT vaccine [letter] Waters JR. **Can Med Assoc J** 1985 Jun 1;132(11):1253, 1255

Status of DPT vaccination programme. Basu RN. **Indian Pediatr** 1984 Jun;21(6):435-8

An epidemiological assessment of immunization programme participation in the Philippines. Friede AM, et al. **Int J Epidemiol** 1985 Mar;14(1):135-42

Antibody response of infants to Haemophilus influenzae type b capsular polysaccharide combined with Bordetella pertussis [letter] Ambrosino DM, et al. **J Infect Dis** 1985 Jun;151(6):1174

Leads from the MMWR. Reinstatement of regular diphtheria-tetanus-pertussis vaccine schedule. **JAMA** 1985 May 17;253(19):2820

Leads from the MMWR. Diphtheria, tetanus, and pertussis: guidelines for vaccine prophylaxis and other preventive measures. **JAMA** 1985 Aug 16;254(7):895-7, 900

Leads from the MMWR. Diphtheria, tetanus, and pertussis: guidelines for vaccine prophylaxis and other preventive measures. **JAMA** 1985 Aug 23-30;254(8):1009-11, 1014-6

Mixing measles vaccine with DPT and DPTP [letter] John TJ, et al. **Lancet** 1985 May 18;1(8438):1154

Reinstatement of regular diphtheria-tetanus-pertussis vaccine schedule. **MMWR** 1985 Apr 26;34(16):231-2

Diphtheria, tetanus, and pertussis: guidelines for vaccine prophylaxis and other preventive measures. Immunization Practices Advisory Committee. **MMWR** 1985 Jul 12; 34(27):405-14, 419-26

Primary immunization with diphtheria-tetanus toxoids vaccine and diphtheria-tetanus toxoids-pertussis vaccine adsorbed: comparison of schedules. Barkin RM, et al. **Pediatr Infect Dis** 1985 Mar-Apr;4(2):168-71

Pertussis vaccine and neurologic disease [letter] Kumar ML, et al. **Pediatrics** 1985 Mar;75(3):617

[Whooping cough vaccination in the public health service--evaluation of vaccination practice at the Flensburg public health center] Bader HM. **Off Gesundheitswes** 1985 May;47(5):202-4 **(Ger)**

[Oral pertussis vaccination] Rosanelli K, et al. **Padiatr Padol** 1985;20(1):95-102 **(Ger)**

[Data on the inoculation coverage against diphtheria, pertussis and tetanus of children in the 1st 3 years of life] Kasimova DIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Dec;(12):72-5 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Ventilatory pattern following diphtheria-tetanus-pertussis immunization in infants at risk for sudden infant death syndrome. Keens TG, et al. **Am J Dis Child** 1985 Oct; 139(10):991-4

The incidence and type of reactions to plain and adsorbed DTP vaccines. Feery BJ, et al. **Aust Paediatr J** 1985 May; 21(2):91-5

Fractional doses of DPT vaccine [letter] **Can Med Assoc J** 1985 Jan 15;132(2):96-7

Pertussis and pertussis vaccine. Gold R. **Can Med Assoc J** 1985 May 1;132(9):1043-4

Congenital heart disease and DPT vaccination [letter] Leung A. **Can Med Assoc J** 1984 Sep 15;131(6):541

Whooping cough vaccination: the case presented by the British national press. Harding CM. **Child Care Health Dev** 1985 Jan-Feb;11(1):21-30

The pertussis controversy. Part one--the problem [editorial] Liebesman M. **Del Med J** 1984 Oct;56(10):588-9

Efficacy of an acellular pertussis vaccine in Japan. Aoyama T, et al. **J Pediatr** 1985 Aug;107(2):180-3

Response of preterm infants to diphtheria-tetanus-pertussis immunizations. Bernbaum JC, et al. **J Pediatr** 1985 Aug; 107(2):184-8

History of convulsions and use of pertussis vaccine [editorial] Prensky AL. **J Pediatr** 1985 Aug;107(2):244-5

Need for new strategies for an old, persistent disease [editorial] St. Geme JW Jr, et al. **J Pediatr** 1985 Aug; 107(2):245-6

History of convulsions and use of pertussis vaccine. Stetler HC, et al. **J Pediatr** 1985 Aug;107(2):175-9

Erythema multiforme following DPT vaccination [letter] Leung AK. **J R Soc Med** 1984 Dec;77(12):1066-7

Anaphylaxis to DPT vaccine [letter] Leung AK. **J R Soc Med** 1985 Feb;78(2):175

The pediatric vaccine controversy: what should the doctor do? [editorial] Nelson AR. **JAMA** 1984 Dec 7; 252(21):3013-4

Contraindications to whooping-cough immunisation--myths or realities? Nicoll A. **Lancet** 1985 Mar 23;1(8430):679-81

Recurrent abscess formation following DTP immunizations: association with hypersensitivity to tetanus toxoid. Church JA, et al. **Pediatrics** 1985 May;75(5):899-900

A call for clinical prudence in use of DTP and other vaccines [letter] Geraghty KC. **Pediatrics** 1984 Nov;74(5):902-3

Outbreaks of group A streptococcal abscesses following diphtheria-tetanus toxoid-pertussis vaccination. Stetler HC, et al. **Pediatrics** 1985 Feb;75(2):299-303

[Adverse effects of pertussis vaccination in West Germany (1970-1978) (letter)] Ehrengut W. **Dtsch Med Wochenschr** 1985 Jun 14;110(24):974-5 **(Ger)**

[Anti-pertussis vaccination: a controversial public health problem] Stroffolini T. **Recenti Prog Med** 1985 Mar; 76(3):179-82 (Eng. Abstr.) **(Ita)**

ANALYSIS

A study of the stability of the pertussis component of diphtheria-tetanus-pertussis (DTP) vaccines. Rao YU, et al. **J Biol Stand** 1985 Jul;13(3):267-70

The identification of diphtheria, tetanus and pertussis vaccines by single radial and double immunodiffusion techniques. Winsnes R, et al. **J Biol Stand** 1985 Jan; 13(1):31-4

IMMUNOLOGY

Pertussis booster vaccination and immediate hypersensitivity. Gifford CG, et al. **Ann Allergy** 1985 Jun;54(6):483-5

Studies on culture conditions of Bordetella pertussis and relationship to immunogenicity of vaccines. Bellalou J, et al. **Ann Microbiol (Paris)** 1984 Jul-Aug;135B(1):101-10

The immune response to pertussis in the 6-day air pouch: a model of chronic synovitis. Sedgwick AD, et al. **Br J Exp Pathol** 1985 Aug;66(4):455-64

Bordetella pertussis infection in mice: correlation of specific antibodies against two antigens, pertussis toxin, and filamentous hemagglutinin with mouse protectivity in an intracerebral or aerosol challenge system. Sato H, et al. **Infect Immun** 1984 Nov;46(2):415-21

Resistance to adenovirus infection after administration of Bordetella pertussis vaccine in mice. Winters AL, et al. **Infect Immun** 1985 Mar;47(3):587-91

Characterization of antibody inhibiting adherence of Bordetella pertussis to human respiratory epithelial cells. Tuomanen EI, et al. **J Clin Microbiol** 1984 Aug; 20(2):167-70

[Status of immunization of ten-year-olds against poliomyelitis, diphtheria, tetanus, pertussis, measles and mumps] Schmitt L. **Off Gesundheitswes** 1984 Oct; 46(10):494-6 **(Ger)**

[Comparative study of the immunoglobulins and specific antibodies in the blood of rabbits immunized with ADTP vaccine and ADT-anatoxin with normal and reduced antigen contents] Kozlova NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Apr;(4):39-42 (Eng. Abstr.) **(Rus)**

[Effect of cucumarioside (a triterpene glycoside from the holothurian Cucumaria japonica) on the development of an immune response in mice to corpuscular pertussis vaccine] Sedov AM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Sep;(9):100-4 (Eng. Abstr.) **(Rus)**

[Characteristics of the immune response to a single peroral administration of different doses of corpuscular pertussis vaccine] Zakharova NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Feb;(2):76-81 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Further contributions to an improved pertussis vaccine: II. New findings in the development of a pertussis vaccine. Robbel L, et al. **Behring Inst Mitt** 1984 Nov;(76):110-2

PHARMACODYNAMICS

Further contributions to an improved pertussis vaccine: I. Molecular mechanisms of pertussis toxin. Aktories K, et al. **Behring Inst Mitt** 1984 Nov;(76):106-9

Pertussis toxin does not inhibit muscarinic-receptor-mediated phosphoinositide hydrolysis or calcium mobilization. Masters SB, et al. **Biochem J** 1985 May 1;227(3):933-7

Pharmacological evaluation of purified component and whole-cell pertussis vaccine in the cardiovascular system of rats. de Wildt DJ, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):541-4

Comparative biological activities of whole cell pertussis vaccine and a new acellular preparation. García-Sánz JA, et al. **Vaccine** 1985 Mar;3(1):23-6

STANDARDS

Developments in pertussis vaccines: memorandum from a WHO meeting. Griffiths E, et al. **Bull WHO** 1985; 63(2):241-8

The standardization of an assay for pertussis toxin and antitoxin in microplate culture of Chinese hamster ovary cells. Gillenius P, et al. **J Biol Stand** 1985 Jan;13(1):61-6

SUPPLY & DISTRIBUTION

Pertussis vaccine production [letter] Leung A. **Am J Dis Child** 1985 Jan;139(1):9

Leads from the MMWR. Diphtheria-tetanus-pertussis vaccine shortage--United States. **JAMA** 1985 Jan 4; 253(1):22-3

Leads from the MMWR. Diphtheria-tetanus-pertussis vaccine shortage. **JAMA** 1985 Mar 15;253(11):1540-1

Diphtheria-tetanus-pertussis vaccine shortage--United States. **MMWR** 1984 Dec 14;33(49):695-6

Diphtheria-tetanus-pertussis vaccine shortage. **MMWR** 1985 Feb 22;34(7):103-4

THERAPEUTIC USE

Pertussis in a rural area of Kenya: epidemiology and results of a vaccine trial. Muller AS, et al. **Bull WHO** 1984; 62(6):899-908

Pertussis in a vaccinated 12-year-old girl. Sheps S. **Can Med Assoc J** 1984 Dec 15;131(12):1467-8

Reduced dose of DTP vaccine [letter] Wassilak SG, et al. **J Pediatr** 1985 Apr;106(4):693-5

Pertussis vaccine: present status and future prospects. Robinson A, et al. **Vaccine** 1985 Mar;3(1):11-22 (156 ref.)

TOXICITY

Toxicity and toxicity testing of pertussis vaccine. Kurokawa M. **Jpn J Med Sci Biol** 1984 Apr;37(2):41-81 (155 ref.)

PERVASIVE CHILD DEVELOPMENT DISORDERS see **CHILD DEVELOPMENT DISORDERS, PERVASIVE**

PERYLENE see under **BENZANTHRACENES**

PESSARIES

Pessary test in women with urinary incontinence. Bhatia NN, et al. **Obstet Gynecol** 1985 Feb;65(2):220-6

PEST CONTROL

Response of German cockroach (Orthoptera: Blattellidae) populations to a frequency sweeping ultrasound-emitting device. Ballard JB, et al. **J Econ Entomol** 1984 Aug; 77(4):976-9

The environmental impacts of four insecticides on non-target organisms in the Gezira Irrigation Scheme canals of Sudan. Karim AA, et al. **J Trop Med Hyg** 1985 Apr;88(2):161-8

New methods of applying drugs for the control of ectoparasites. Drummond RO. **Vet Parasitol** 1985 Aug; 18(2):111-9 (77 ref.)

[Varroatosis control in West Germany (current status and future prospects)] Rojahn A. **DTW** 1985 Mar 8;92(3):103-7 (Eng. Abstr.) **(Ger)**

[Appropriate formulation and application of air-polluting and other pest control agents. Experimental experiences within the framework of tests based on Paragraph 10 c of the Federal Communicable Disease Law] Hoffmann G. **Schriftenr Ver Wasser Boden Lufthyg** 1985;63:69-81 **(Ger)**

[Diminished use of insecticides in the control of arthropods injurious to health based on their behavior] Iglisch I. **Schriftenr Ver Wasser Boden Lufthyg** 1985;63:83-108 (41 ref.) **(Ger)**

[Control of important noxious pests in the construction and reconstruction of residential and community buildings] Körber I, et al. **Z Gesamte Hyg** 1985 Jun;31(6):352-4 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

The electric net trap for the venomous snake, Habu, Trimeresurus flavoviridis. Hayashi Y, et al. **Jpn J Exp Med** 1984 Oct;54(5):207-10

Evaluation of a bait trap for Habu, the venomous snake, Trimeresurus flavoviridis. Hayashi Y, et al. **Jpn J Exp Med** 1984 Aug;54(4):171-5

METHODS

Control of flies (Diptera: Muscidae) on dairy heifers by Flectron ear-tags. Hillerton JE, et al. **Br Vet J** 1985 Mar-Apr;141(2):160-7

A comparison of standardized methods for measuring the biological activity of pesticides to the earthworm, Lumbricus terrestris. Fisher SW. **Ecotoxicol Environ Safety** 1984 Dec;8(6):564-71

[Food public health-toxicologic evaluation in the use of plant protective agents and agents for the control of biological processes in East Germany] Beitz H, et al. **Z Gesamte Hyg** 1984 Dec;30(12):687-90 (Eng. Abstr.) **(Ger)**

[Pest control in food establishments] Hoffmann G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1985 Feb; 180(2-3):263-81 (Eng. Abstr.) **(Ger)**

PEST CONTROL, BIOLOGICAL

see related

CHEMOSTERILANTS

Notes on the molluscan intermediate hosts of Paragonimus spp. and their possible role in biological control. McCullough FS, et al. **Ann Trop Med Parasitol** 1984 Jun; 78(3):339-40

Inactivation of nuclear polyhedrosis virus (Baculovirus subgroup A) by monochromatic UV radiation. Griego VM, et al. **Appl Environ Microbiol** 1985 Mar;49(3):709-10

Only part of the protoxin gene of Bacillus thuringiensis subsp. berliner 1715 is necessary for insecticidal activity. Wabiko H, et al. **Appl Environ Microbiol** 1985 Mar;49(3):706-8

Separation of the cytolytic and mosquitocidal proteins of Bacillus thuringiensis subsp. israelensis. Hurley JM, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):961-5

Diversity of protein inclusion bodies and identification of mosquitocidal protein in Bacillus thuringiensis subsp. israelensis. Lee SG, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):953-60

Indigenous isolation of F-17--an oomycetous fungus pathogenic to mosquito larvae. Galagali JS, et al. **Indian J Med Res** 1984 Jul;80:95-102

Recycling potential of Bacillus sphaericus in natural mosquito breeding habitats. Hoti SL, et al. **Indian J Med Res** 1984 Jul;80:90-4

Field efficacy of Bacillus thuringiensis H-14 formulations against mosquito larvae in casuarina & coconut garden pits. Jambulingam P, et al. **Indian J Med Res** 1984 Jul;80:81-9

Toxicity of Bacillus sphaericus strains to selected target & non-target aquatic organisms. Mathavan S, et al. **Indian J Med Res** 1984 Dec;80:653-7

The food of the larvivorous fish Gambusia affinis (Baird and Girard) and Oreochromis (formerly Tilapia) niloticus (Linnaeus) in Gezira irrigation canals. el Safi SH, et al. **J Trop Med Hyg** 1985 Apr;88(2):169-74

Construction and characterization of plasmid vectors for cloning in the entomocidal organism Bacillus sphaericus 1593. Norton NB, et al. **Plasmid** 1985 May;13(3):211-4

Bioassays of Bacillus sphaericus (strain 1593) against mosquitoes of public health importance in Malaysia. Cheong WC, et al. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):54-8

Laboratory observations on Toxorhynchites splendens Wiedemann in Thailand. Chowanadisai L, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):337-41

Biological control of mosquitoes, especially malaria vectors, Anopheles species. Yap HH. **Southeast Asian J Trop Med Public Health** 1985 Mar; 16(1):163-72

[The activity of Bacillus thuringiensis var. israelensis against black fly larvae under field conditions in South Bohemia] Olejniček J, et al. **Vet Med (Praha)** 1985 Jul;30(7):433-41 (Eng. Abstr.) **(Cze)**

[Experimental study on the predation of Cionella lubrica Müller by Nesovitrea hammonis Ström] Badie A, et al. **Ann Rech Vet** 1985;16(1):105-9 (Eng. Abstr.) **(Fre)**

[Characteristics of Bacillus thuringiensis var. israelensis and its effect on mosquito larvae (Diptera: Culicidae)] Müller P. **Angew Parasitol** 1984 Aug;25(3):157-63 **(Ger)**

[Zelurus femoralis intermedius, Hemiptera, Reduviidae, as a predator of Triatominae] Salvatella R, et al. **Rev Bras Malariol Doencas Trop** 1983;35:29-32 (Eng. Abstr.) **(Por)**

[Predatory activity of Helobdella triserialis lineata (Hirudinea: Glossiphonidae) on immature forms of Aedes fluviatilis and Culex quinquefasciatus (Diptera: Culicidae) in the laboratory] Cônsoli RA, et al. **Rev Saude Publica** 1984 Oct;18(5):359-66 (Eng. Abstr.) **(Por)**

[Biological control: Helobdella triserialis lineata (Hirudinea:Glossiphonidae) against Biomphalaria straminea and Biomphalaria tenagophila (Mollusca:Planorbidae), in the laboratory] Guimarães CT, et al. **Rev Saude Publica** 1984 Dec;18(6):476-86 (Eng. Abstr.) **(Por)**

[Effect of the concentration and number of Anopheles stephensi larvae on their mortality as affected by Bacillus thuringiensis] Rasnitsyn SP. **Med Parazitol (Mosk)** 1985 May-Jun;(3):31-5 (Eng. Abstr.) **(Rus)**

[Natural strains of Bacillus thuringiensis Berliner pathogenic for blood-sucking mosquitoes] Sokolova EI, et al. **Med Parazitol (Mosk)** 1985 May-Jun;(3):35-41 (Eng. Abstr.) **(Rus)**

METHODS

Potential implication of genetic engineering and other biotechnologies to insect control. Kirschbaum JB. **Annu Rev Entomol** 1985;30:51-70 (68 ref.)

Oral toxicity of Bacillus thuringiensis subsp. israelensis to adult mosquitoes. Klowden MJ, et al. **Appl Environ Microbiol** 1984 Sep;48(3):665-7

The lungfish Protopterus annectans (Owen) as a biocontrol agent against schistosome vector snails. Daffalla AA, et al. **J Trop Med Hyg** 1985 Apr;88(2):131-4

Estimated risks and benefits from introducing Marisa cornuarietis into the Sudan. Haridi AA, et al. **J Trop Med Hyg** 1985 Apr;88(2):145-51

Survival, growth and reproduction of the imported ampullarid snail Marisa cornuarietis in Central Sudan. Haridi AA, et al. **J Trop Med Hyg** 1985 Apr;88(2):135-44

Nosema algerae (Nosematidae, Microsporida): laboratory infections of Anopheles larvae and prospects for field application. Nugud AD, et al. **J Trop Med Hyg** 1985 Apr; 88(2):179-82

War against mosquito [letter] Sexton S. **Med J Aust** 1984 Dec 8-22;141(12-13):897

Laboratory and field trials with two Bacillus thuringiensis var. israelensis products for Simulium(Diptera: Nematocera) control in a small polluted river in South Africa. Car M. **Onderstepoort J Vet Res** 1984 Jun; 51(2):141-4

Laboratory studies on the susceptibility of Blattella germanica and Periplaneta americana to Bacillus thuringiensis var. israelensis. Lee HL, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):422-3

Comparative bioassays of Tolypocladium cylindrosporum Gams (Californian strain) against four species of mosquitoes in Malaysia. Serit MA, et al. **Southeast Asian J Trop Med Public Health** 1984 Sep; 15(3):331-6

The effect of Helisoma duryi on the cercarial production of Schistosoma mansoni-infected Biomphalaria alexandrina: evaluation of chemical interferences and direct competition. Madsen H. **Z Parasitenkd** 1985;71(1):71-7

[Laboratory studies on the role of the nematode Neoaplectana carpocapsae Weiser in reducing the cockroach population (Blatella germanica L.)] Zukowski K. **Rocz Panstw Zakl Hig** 1984;35(5):451-7 (Eng. Abstr.) **(Pol)**

STANDARDS

Impact of storage period & temperature on the larvicidal activity of bacterial pesticide formulations. Balaraman K, et al. **Indian J Med Res** 1984 Jul;80:71-3

Efficacy of dry powders from Bacillus sphaericus: RB 80, a potent reference preparation for biological titration. Bourgouin C, et al. **J Invertebr Pathol** 1984 Sep; 44(2):146-50

PESTICIDE RESIDUES

Pesticide residues in food [letter] Jackson RJ, et al. **Pediatrics** 1985 Sep;76(3):473-4

[Organochlorine compounds (including polychlorinated biphenyls (PCB)) and carry-over mechanisms] Heeschen W, et al. **DTW** 1985 Jun 7;92(6):221-8 **(Ger)**

[Regulation of foreign compounds in meat and meat products in the conflict between politics versus toxicology] Schlatter C. **Schweiz Arch Tierheilkd** 1985 Feb;127(2):129-39 **(Ger)**

ADVERSE EFFECTS

Pesticide residues in food [letter] **J R Soc Med** 1985 Jun; 78(6):508-9

Pesticide residues in food: possible effect on sperm counts [letter] James WH. **J R Soc Med** 1985 May;78(5):416

ANALYSIS

Snow peas and acephate. Confirmation of illegal pesticide residues. Cairns T, et al. **Anal Chem** 1985 Apr; 57(4):572A-576A

Gas chromatographic determination of chemical residues in food using a rugged high-resolution mixed-bed column. Daft JL. **Anal Chem** 1984 Dec;56(14):2687-92

Determination of a range of organophosphorus pesticide residues in grain. Committee for Analytical Methods for Residues of Pesticides and Veterinary Products in Foodstuffs and the Working Party on Pesticide Residues of the Ministry of Agriculture, Fisheries and Food. **Analyst** 1985 Jul;110(7):765-8

Mirex residues in seven groups of aquatic and terrestrial mammals. Hill EP, et al. **Arch Environ Contam Toxicol** 1985 Jan;14(1):7-12

Residue levels of polychlorobiphenyls, sigmaDDT, and mercury in bird species commonly preyed upon by the peregrine falcon (Falco peregrinus Tunst.) in Sweden. Lindberg P, et al. **Arch Environ Contam Toxicol** 1985 Mar; 14(2):203-12

Crop groupings: a survey of its possibilities for deltamethrin registrations. Mestres G, et al. **Arch Environ Contam Toxicol** 1985 May;14(3):321-4

National Pesticide Monitoring Program: residues of organochlorine chemicals in freshwater fish, 1980-81. Schmitt CJ, et al. **Arch Environ Contam Toxicol** 1985 Mar; 14(2):225-60

Organochlorine pesticide residue levels in human milk: Western Australia, 1979-1980. Stacey CI, et al.

PUBLIC LIBRARY

Arch Environ Health 1985 Mar-Apr;40(2):102-8

Investigation of translocation, degradation and decontamination of some pesticides in relation to residues in foodstuffs. Bažulić D, et al. **Arh Hig Rada Toksikol** 1984 Jun;35(2):173-80

The persistence of phorate and carbofuran in soil and rice plants. Singh G, et al. **Beitr Trop Landwirtsch Veterinarmed** 1985;23(1):59-63

Chemical ionization mass spectrometry of iprodione and its metabolites. Cairns T, et al. **Biomed Mass Spectrom** 1984 Nov;11(11):589-93

Residues of cypermethrin in milk from cows wearing impregnated ear tags. Braun HE, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):61-4

Residues of pesticides and polychlorinated biphenyls in game animals. Brunn H, et al. **Bull Environ Contam Toxicol** 1985 Apr;34(4):527-32

A fruit fly bioassay with phosphotriesterase for detection of certain organophosphorus insecticide residues. Chiang T, et al. **Bull Environ Contam Toxicol** 1985 Jun;34(6):809-14

DDE residues and artificial incubation of loggerhead sea turtle eggs. Clark DR Jr, et al. **Bull Environ Contam Toxicol** 1985 Jan;34(1):121-5

Dislodgeable residues of carbophenothion in Florida citrus: implications for safe worker reentry. de Batista GC, et al. **Bull Environ Contam Toxicol** 1985 Aug;35(2):213-21

Organo-chlorine insecticides and PCBs in River Nile water, Egypt. el-Dib MA, et al. **Bull Environ Contam Toxicol** 1985 Jan;34(1):126-33

Organochlorine residues in animals from three Louisiana watersheds in 1978 and 1979. Dowd PF, et al. **Bull Environ Contam Toxicol** 1985 Jun;34(6):832-41

Dissipation of atrazine residues from soils. Frank R, et al. **Bull Environ Contam Toxicol** 1985 Apr;34(4):541-8

Alkyl phosphate residue values in the urine of Florida citrus fieldworkers compared to the National Health and Nutrition Examination Survey (HANES) sample. Griffith JG, et al. **Bull Environ Contam Toxicol** 1985 Feb;34(2):210-5

Distribution of fenitrothion residues in brook trout (Salvelinus fontinalis) and lake trout (Salvelinus namaycush) tissues following aerial applications to Lac Ste-Anne, Québec. Holmes SB, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):468-75

Pesticide residues in Kansas pheasants. Layher WG, et al. **Bull Environ Contam Toxicol** 1985 Mar;34(3):317-22

Persistence of benomyl and captan and their effects on microbial activity in field soils. Li CY, et al. **Bull Environ Contam Toxicol** 1985 Apr;34(4):533-40

Organochlorine residues in three heron species as related to diet and age. Niethammer KR, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):491-8

Residue levels of organochlorine insecticides in lamb and beef from Baghdad. Al-Omar M, et al. **Bull Environ Contam Toxicol** 1985 Apr;34(4):509-12

Organochlorine residue levels in human milk from Baghdad. Al-Omar MA, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):65-7

Zinc phosphide in subterranean burrow systems. Tickes BR. **Bull Environ Contam Toxicol** 1985 Apr;34(4):557-9

High performance liquid chromatographic method for determination of six N-methylcarbamates in vegetables and fruits. Ting KC, et al. **Bull Environ Contam Toxicol** 1984 Nov;33(5):538-47

The relative persistence in soil of five acetanilide herbicides. Walker A, et al. **Bull Environ Contam Toxicol** 1985 Feb;34(2):143-9

Persistence and movement of phorate at high concentrations in soil. Singh G, et al. **Ecotoxicol Environ Safety** 1984 Dec;8(6):540-50

Automated headspace GC-MS analysis of ethylene dibromide fumigant residues in fresh fruits. Gilbert J, et al. **Food Addit Contam** 1985 Jan-Mar;2(1):55-61

Organochlorine pesticide residues in human fat in the United Kingdom 1982-1983. Abbott DC, et al. **Hum Toxicol** 1985 Jul;4(4):435-45

Organochlorine pesticide residues in mother's milk: a source of toxic chemicals in suckling infants. Ramakrishnan N, et al. **Hum Toxicol** 1985 Jan;4(1):7-12

Contamination levels in different food items & dietary intake of organochlorine pesticide residues in India. Kaphalia BS, et al. **Indian J Med Res** 1985 Jan;81:71-8

HPLC--residue analysis of the herbicide pyridate in cereals. Lindner W, et al. **Int J Environ Anal Chem** 1983;16(3):205-18

Improved cleanup for gas chromatographic determination of propiconazole residues in soil, wheat grain, straw, and leaves. Bai QY, et al. **J Assoc Off Anal Chem** 1985 May-Jun;68(3):602-4

Capillary gas chromatographic-mass spectrometric determination of fluoroacetate residues in animal tissues. Casper HH, et al. **J Assoc Off Anal Chem** 1985 Jul-Aug;68(4):722-5

Gas chromatographic determination of residues of bromopropylate and two of its degradation products in honey. Formica G. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):896-901

Disappearance of organochlorine residues from abdominal and egg fats of chickens, Ontario, Canada, 1969-1982. Frank R, et al. **J Assoc Off Anal Chem** 1985 Jan-Feb;68(1):124-9

Formulas for calculation of extraction volumes for commonly used pesticide residue extraction procedures. Jeffus MT, et al. **J Assoc Off Anal Chem** 1985 May-Jun;68(3):437-9

Chemical derivatization analysis of pesticide residues. IX. Analysis of phenol and 21 chlorinated phenols in natural waters by formation of pentafluorobenzyl ether derivatives. Lee HB, et al. **J Assoc Off Anal Chem** 1984 Nov-Dec;67(6):1086-91

Long-term preservation of egg and tissue homogenates for determination of organochlorine compounds: freezing versus freeze-drying. Norstrom RJ, et al. **J Assoc Off Anal Chem** 1985 Jan-Feb;68(1):129-35

Spectrophotometric determination of phosphine residues in rice. Rangaswamy JR, et al. **J Assoc Off Anal Chem** 1985 Mar-Apr;68(2):205-8

The FDA Surveillance Index for Pesticides: establishing food monitoring priorities based on potential health risk. Reed DV. **J Assoc Off Anal Chem** 1985 Jan-Feb;68(1):122-4

The Luke et al. method for determining multipesticide residues in fruits and vegetables: collaborative study. Sawyer LD. **J Assoc Off Anal Chem** 1985 Jan-Feb;68(1):64-71

Residue methodology for AMDRO fire ant insecticide (AC 217,300) in pasture grass and crops. Stout SJ, et al. **J Assoc Off Anal Chem** 1985 Jan-Feb;68(1):71-5

Gas chromatographic determination of CCRL583 perfluorinated alcohol fumigant residues. Zehner JM, et al. **J Assoc Off Anal Chem** 1985 Jul-Aug;68(4):749-50

High-performance liquid chromatographic strategies for the determination and confirmation of anticoagulant rodenticide residues in animal tissues. Hunter K. **J Chromatogr** 1985 Mar 15;321(2):255-72

Reversed-phase ion-pair liquid chromatographic determination of chlorophacinone residues in animal tissues. Hunter K. **J Chromatogr** 1984 Sep 21;299(2):405-14

Determination of phenylurea pesticides by high-performance liquid chromatography with UV and photoconductivity detectors in series. Walters SM, et al. **J Chromatogr** 1984 Dec 28;317:533-44

Organochlorine residues in shellfish from Maryland waters, 1976-1980. Eisenberg M, et al. **J Environ Sci Health [B]** 1984 Oct;19(7):673-88

Detection and occurrence of pentachlorophenol residues in chicken liver and fat. Neidert E, et al. **J Environ Sci Health [B]** 1984 Oct;19(7):579-92

An eleven-year study of chlorinated hydrocarbon insecticide residues in bovine fat in Illinois, 1972-1982. Steffey KL, et al. **J Environ Sci Health [B]** 1984 Nov-Dec;19(8-9):773-83

Influence of formulation properties on droplet spectra and soil residues of aminocarb aerial sprays in conifer forests. Sundaram A, et al. **J Environ Sci Health [B]** 1985 Apr;20(2):167-86

The relationship between dermal pesticide exposure by fruit harvesters and dislodgeable foliar residues. Zweig G, et al. **J Environ Sci Health [B]** 1985 Feb;20(1):27-59

Organochlorine residues in two Norwegian puffin (Fratercula arctica) colonies. Ingebrigtsen K, et al. **J Toxicol Environ Health** 1984;14(5-6):813-28

The human body burden of mirex in the southeastern United States. Kutz FW, et al. **J Toxicol Environ Health** 1985;15(3-4):385-94

Compartmentation and reliability of sampling procedures in organochlorine pollution surveys of cetaceans. Aguilar A. **Residue Rev** 1985;95:91-114 (81 ref.)

Review of methods for the determination of ethylenethiourea (imidazolidine-2-thione) residues. Bottomley P, et al. **Residue Rev** 1985;95:45-89 (107 ref.)

A sensitive method for the analysis of chlordane residues in human blood. Wariishi M, et al. **Tokushima J Exp Med** 1984 Dec;31(3-4):41-5

Fonofos toxicosis and milk residues in dairy cattle. Cook WO, et al. **Vet Hum Toxicol** 1985 Aug;27(4):281-2

Organochlorine pesticides and polychlorinated biphenyls in herring from the southern Baltic, 1981. Falandysz J. **Z Lebensm Unters Forsch** 1984 Jul;179(1):20-3

Determination of residual ethylene dibromide in cereals by glass capillary gas chromatography. Van Rillaer WG, et al. **Z Lebensm Unters Forsch** 1985 Apr;180(4):284-8

[The reduction and residue of dimethoate in vegetables] Liu YJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Jan;19(1):31-3 (Eng. Abstr.) **(Chi)**

[Determination of residual trichloronitromethane in the air and in Chinese drugs] Shen LF. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 May;18(3):176-7 **(Chi)**

[Is breast feeding natural?] Pieters JJ. **Ned Tijdschr Geneeskd** 1984 Dec 1;128(48):2262-5 **(Dut)**

[Application of electrochemical detection to the analysis of some residues of carbamate insecticides by high performance liquid chromatography] Olek M, et al. **J Chromatogr** 1985 May 29;325(1):239-47 (Eng. Abstr.) **(Fre)**

[Residues of plant protective compounds in feed] Kampe W. **DTW** 1985 Jun 7;92(6):228-31 **(Ger)**

[Residues and pollutants in breast milk] **Monatsschr Kinderheilkd** 1984 Oct;132(10):811-3 **(Ger)**

[The herbicide propachlor--14 C synthesis, toxicologic problems and methodology studies on the determination of residues in corn, potatoes, water and soil] Wenzel KD, et al. **Nahrung** 1985;29(4):369-73 (Eng. Abstr.) **(Ger)**

[Food public health-toxicologic evaluation in the use of plant protective agents and agents for the control of biological processes in East Germany] Beitz H, et al. **Z Gesamte Hyg** 1984 Dec;30(12):687-90 (Eng. Abstr.) **(Ger)**

[Organochlorine pesticide residues in raw and roasted coffee and their degradation during the roasting process] Cetinkaya M, et al. **Z Lebensm Unters Forsch** 1984 Jul;179(1):5-8 (Eng. Abstr.) **(Ger)**

[Analysis of residues of the fungicide cymoxanil in grapes using multicolumn HPLC] Lindner W, et al. **Z Lebensm Unters Forsch** 1984 Jun;178(6):471-4 (Eng. Abstr.) **(Ger)**

[PH3 residues in hazelnuts, soybeans and wheat following phosphine fumigation with non-constant concentrations] Noack S, et al. **Z Lebensm Unters Forsch** 1985 Feb;180(2):101-8 (Eng. Abstr.) **(Ger)**

[Residues of organic chlorine compounds in Hessian milk products from 1978 to 1982] Steinwandter H, et al. **Z Lebensm Unters Forsch** 1984 Jun;178(6):468-70 (Eng. Abstr.) **(Ger)**

[Residual pesticides in typical Italian agricultural soils] D'Alessandro De Luca E. **Nuovi Ann Ig Microbiol** 1983 May-Jun;34(3):209-22 (Eng. Abstr.) **(Ita)**

[Analysis of food contamination with chlorinated hydrocarbon residues in a student cafeteria] Amarowicz R, et al. **Rocz Panstw Zakl Hig** 1984;35(4):323-6 (Eng. Abstr.) **(Pol)**

[Polychlorine pesticide and polychlorobiphenyl compound residues in fish from the southern Baltic Sea 1981] Falandysz J. **Rocz Panstw Zakl Hig** 1984;35(5):417-22 (Eng. Abstr.) **(Pol)**

[Determination of organophosphate insecticide residues in milk] Ludwicki J. **Rocz Panstw Zakl Hig** 1984;35(3):243-6 (Eng. Abstr.) **(Pol)**

[Analysis of herbicide residues from the group of aromatic acid derivatives in plants] Zadrozińska J, et al. **Rocz Panstw Zakl Hig** 1984;35(5):423-9 (Eng. Abstr.) **(Pol)**

BLOOD

Residues and metabolites of selected persistent halogenated hydrocarbons in blood specimens from a general population survey. Murphy R, et al. **Environ Health Perspect** 1985 May;60:115-20

ISOLATION & PURIFICATION

[Use of the orthogonal function method for background suppression in forensic chemical determination of various herbicides in biological material] Vergeichik TKh, et al. **Sud Med Ekspert** 1984 Jul-Sep;27(3):47-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Reconstituted halogenated hydrocarbon pesticide and pollutant mixtures found in human tissues: effects on the immature male Wistar rat after short-term exposure. Gyorkos J, et al. **Can J Physiol Pharmacol** 1985 Jan;63(1):36-43

TOXICITY

Combination effect of carbaryl and malathion in rats. Abdel-Rahman MS, et al. **Arch Environ Contam Toxicol** 1985 Jul;14(4):459-64

Organochlorine pesticide, polychlorobiphenyl, and mercury residues in bald eagle eggs--1969-79--and their relationships to shell thinning and reproduction. Wiemeyer SN, et al. **Arch Environ Contam Toxicol** 1984 Sep;13(5):529-49

URINE

A gas chromatographic method for determination of 2,4-D residues in urine after occupational exposure. Vural N, et al. **Bull Environ Contam Toxicol** 1984 Nov;33(5):518-24

PESTICIDES

Grassroots environmentalism under legal attack: dandelions, pesticides, and a neighbor's right-to-know. Christoffel T. **Am J Public Health** 1985 May;75(5):565-7

Synthetic surfactants: a new approach to the development of shark repellents. Zlotkin E, et al. **Arch Toxicol** 1984 Nov;56(1):55-8

Specific molecular connectivity analysis of pesticides and related compounds: a preliminary study. Murakami M, et al. **Bull Environ Contam Toxicol** 1985 Jun;34(6):775-9

[To spray or not to spray, that is not the question...] Gosselin P, et al. **Union Med Can** 1985 Mar;114(3):252-5, 238 (Eng. Abstr.) **(Fre)**

[Appropriate formulation and application of air-polluting and other pest control agents. Experimental experiences within the framework of tests based on Paragraph 10 c of the Federal Communicable Disease Law] Hoffmann G. **Schriftenr Ver Wasser Boden Lufthyg** 1985;63:69-81 **(Ger)**

ADMINISTRATION & DOSAGE

Biologically active organotin polymers. Subramanian RV. **Ann NY Acad Sci** 1985;446:134-48

READEX FICHE

ADVERSE EFFECTS

Do Vietnam veterans suffer from toxic neurasthenia? Hall W, et al. **Aust NZ J Psychiatry** 1985 Mar;19(1):19-29

Some observations on the macula of pesticide workers. Misra UK, et al. **Hum Toxicol** 1985 Mar;4(2):135-45

Health hazards in pesticide formulators exposed to a combination of pesticides. Gupta SK, et al. **Indian J Med Res** 1984 May;79:666-72

Sister-chromatid exchanges and chromosomal aberrations in a population exposed to pesticides. Dulout FN, et al. **Mutat Res** 1985 Aug;143(4):237-44

Pesticides. Rosival L. **Scand J Work Environ Health** 1985 Jun;11(3 Spec No):189-97

[Pesticides] Twele R, et al. **Acta Med Austriaca** 1985; 12(1):19-24 (Eng. Abstr.) **(Ger)**

[Respiratory function disorders caused by agrochemical exposure] Lehnigk B, et al. **Z Erkr Atmungsorgane** 1985; 164(3):267-9 (Eng. Abstr.) **(Ger)**

[Nervous system disorders in those working with copper-containing and other pesticides] Fokina KV. **Vrach Delo** 1984 Sep;(9):113-5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Pesticides. Sherma J, et al. **Anal Chem** 1985 Apr; 57(5):1R-15R (0 ref.)

Effect of fabric geometry on resistance to pesticide penetration and degradation. Raheel M, et al. **Arch Environ Contam Toxicol** 1985 May;14(3):273-9

Pesticides and polychlorinated biphenyls in fish from the Lahn river. Schüler W, et al. **Bull Environ Contam Toxicol** 1985 Apr;34(4):608-16

Aquatic bioassay of 11 pesticides using larvae of the mosquito, Wyeomyia smithii (Diptera: Culicidae). Strickman D. **Bull Environ Contam Toxicol** 1985 Jul; 35(1):133-42

Liquid chromatographic determination of sodium fluoroacetate (Compound 1080) in meat baits and formulations. Kramer HL. **J Assoc Off Anal Chem** 1984 Nov-Dec;67(6):1058-61

Evidence for surface effects in an electron-capture detector. Nazareth A, et al. **J Chromatogr** 1984 Nov 30;314:219-32

ISOLATION & PURIFICATION

Sampling efficiency of five solid sorbents for trapping airborne pesticides. Roper EM, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):476-83

METABOLISM

Sweat-patch test for monitoring pesticide absorption by airblast applicators. Rosenberg NM, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):68-72

Accumulation and elimination in mouse fat of compounds from the mothproofing agent Eulan WA Neu. Westöö G, et al. **Bull Environ Contam Toxicol** 1985 Jan;34(1):29-35

Reconstituted halogenated hydrocarbon pesticide and pollutant mixtures found in human tissues: effects on the immature male Wistar rat after short-term exposure. Gyorkos J, et al. **Can J Physiol Pharmacol** 1985 Jan; 63(1):36-43

Percutaneous absorption of radioactively labelled pesticides. A summary of 20 years' research. Wang YL, et al. **Chin Med J [Engl]** 1984 Jun;97(6):443-6

Dermal absorption of pesticides calculated by deconvolution. Fisher HL, et al. **J Appl Toxicol** 1985 Jun;5(3):163-77

Disposition and metabolism of 2,3-[14C]dichloropropene in rats after inhalation. Bond JA, et al. **Toxicol Appl Pharmacol** 1985 Mar 30;78(1):47-54

Oxidation of pesticides by purified cytochrome P-450 isozymes from mouse liver. Levi PE, et al. **Toxicol Lett** 1985 Feb-Mar;24(2-3):221-8

PHARMACODYNAMICS

The effect of s-triazine-type pesticides and chlorinated hydrocarbons on lactate dehydrogenase. Barthová J, et al. **Environ Res** 1985 Feb;36(1):26-31

[Mutagenic action of 5 prospective pesticides on mouse bone marrow, in a culture of human peripheral blood lymphocytes and on saccharomycete yeasts] L'vova TS. **Tsitol Genet** 1984 Nov-Dec;18(6):455-7 (Eng. Abstr.) **(Rus)**

[Mutagenic activity of pesticides] Laborda E, et al. **Rev Sanid Hig Publica (Madr)** 1983 Jul-Aug;57(7-8):773-82 (Eng. Abstr.) **(Spa)**

POISONING

Health problems of pesticide usage in the Third World [editorial] Jeyaratnam J. **Br J Ind Med** 1985 Aug; 42(8):505-6

Aluminium phosphide ingestion. Singh S, et al. **Br Med J [Clin Res]** 1985 Apr 13;290(6475):1110-1

Effects of storage and pesticide treatments on honey bee brain acetyl cholinesterase activities. Westlake GE, et al. **Bull Environ Contam Toxicol** 1985 May;34(5):668-75

Grower reported pesticide poisonings among Florida citrus fieldworkers. Griffith J, et al. **J Environ Sci Health [B]** 1985 Feb;20(1):61-72

Pesticide poisoning in domestic animals [letter] GibsonTE, et al. **Vet Rec** 1984 Dec 8;115(23):606

Acute pesticide poisoning in the Caribbean. Singh PD, et al. West **Indian Med J** 1985 Jun;34(2):75-83 (83 ref.)

[Work conditions and health status of machine operators coming into contact with pesticides] Ladnova GG, et al. **Gig Sanit** 1984 Sep;(9):30-2 (Eng. Abstr.) **(Rus)**

[Value of peripheral blood indices in the diagnosis of chronic poisoning by pesticides] Romash AV, et al. **Lab Delo** 1984; (11):679-83 (Eng. Abstr.) **(Rus)**

STANDARDS

[Hygienic analysis of ways of reducing the danger of aviation-chemical work] Baran VN. **Gig Sanit** 1984 Jul; (7):76-7 **(Rus)**

TOXICITY

Quantitative study of testicular recrudescence in the fresh water teleost, Channa punctatus (Bl.) exposed to pesticides. Saxena PK, et al. **Bull Environ Contam Toxicol** 1985 Apr; 34(4):597-607

Separating starvation losses from other early feeding fry mortality in steelhead trout Salmo gairdneri, chinook salmon Oncorhynchus tshawytscha, and lake trout Salvelinus namaycush. Skea JC, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):82-91

Interaction effects of mercury-pesticide combinations towards a cyanobacterium. Stratton GW. **Bull Environ Contam Toxicol** 1985 May;34(5):676-83

Assessing safety of agricultural chemicals. Chen WL. **Can J Physiol Pharmacol** 1984 Aug;62(8):1040-3

Estimation of dermal exposure to pesticides and its use in risk assessment. Franklin CA. **Can J Physiol Pharmacol** 1984 Aug;62(8):1037-9

A comparison of standardized methods for measuring the biological activity of pesticides to the earthworm, Lumbricus terrestris. Fisher SW. **Ecotoxicol Environ Safety** 1984 Dec;8(6):564-71

Quantitative comparisons of acute toxicity of organic chemicals to rat and fish. Janardan SK, et al. **Ecotoxicol Environ Safety** 1984 Dec;8(6):531-9

Effect of safe concentrations of some pesticides on ovarian recrudescence in the freshwater murrel, Channa punctatus (Bl.): a quantitative study. Mani K, et al. **Ecotoxicol Environ Safety** 1985 Jun;9(3):241-9

Agriculturally-related carcinogenic risk. Börzsönyi M, et al. **IARC Sci Publ** 1984;(56):465-86

Pesticide residues in food--a toxicological view: discussion paper. Turnbull GJ. **J R Soc Med** 1984 Nov;77(11):932-5

Lymphoid malignancies in Nebraska: a hypothesis. Weisenburger DD. **Nebr Med J** 1985 Aug;70(8):300-5

The immunotoxicity of selected environmental chemicals, pesticides and heavy metals. Exon JH. **Prog Clin Biol Res** 1984;161:355-68

Evaluation of pesticides which pose carcinogenicity potential in animal testing. II. Consideration of human exposure conditions for regulatory decision making. Wang GM. **Regul Toxicol Pharmacol** 1984 Dec;4(4):361-71

Evaluation of pesticides which pose carcinogenicity potential in animal testing. I. Developing a tumor data evaluation system. Wang GM. **Regul Toxicol Pharmacol** 1984 Dec; 4(4):355-60

[Short-term cell transformation tests for N,N'-methylene-bis(2-amino-1,3,4-thiadiazole), N,N'-methylene-bis-(2-amino-5-sulfhydryl-1,3,4-thiazole) and relation with sister chromatid exchange and chromosome aberration] Fu ZD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 May; 18(3):146-50 (Eng. Abstr.) **(Chi)**

[Secondary effect of pesticides on flora and fauna] Corbaz R. **Ther Umsch** 1985 May;42(5):113-9 (Eng. Abstr.) **(Fre)**

[Current questions concerning the general toxicology of pesticides] Hapke HJ. **DTW** 1984 Jul 24;91(7-8):264-6 (Eng. Abstr.) **(Ger)**

[Modification of acute toxicity of selected pesticides by humic acids] Golbs S, et al. **Z Gesamte Hyg** 1984 Dec;30(12):720-3 (Eng. Abstr.) **(Ger)**

[Effect of various pesticides on the thyroid gland of the rat] Kita K, et al. **Z Gesamte Hyg** 1985 Feb;31(2):101-3 (Eng. Abstr.) **(Ger)**

[Effect of the acute combined action of radiation and various pesticides on peripheral blood in the rat] Ivanov VV. **Gig Sanit** 1984 Sep;(9):40-3 (Eng. Abstr.) **(Rus)**

[Detoxication of dinitrophenol pesticides] Rozvaga RI, et al. **Gig Sanit** 1985 Jun;(6):27-9 (Eng. Abstr.) **(Rus)**

PESTIVIRUSES

GENETICS

Cell-free translation of bovine viral diarrhea virus RNA. Purchio AF, et al. **J Virol** 1984 Dec;52(3):973-5

GROWTH & DEVELOPMENT

Susceptibility of various cell culture systems to bovine viral diarrhea virus. Ferrari M. **Microbiologica** 1985 Jan; 8(1):17-22

Reverse plaque formation method for titration of non-cytopathogenic bovine viral diarrhea-mucosal disease virus. Itoh O, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Spring;23(1):27-31

IMMUNOLOGY

Screening for neutralizing antibodies against hog cholera-and/or bovine viral diarrhea virus in Danish pigs. Jensen MH. **Acta Vet Scand** 1985;26(1):72-80

Release of immunosuppressive substances from tissue culture cells infected with bovine viral diarrhea virus. Markham RJ, et al. **Am J Vet Res** 1985 Apr;46(4):879-83

Adjuvant enhancement of humoral immune response to chemically inactivated bovine viral diarrhea virus. Chen KS, et al. **Can J Comp Med** 1985 Jan;49(1):91-4

Effect of maternal antibody upon vaccination with infectious bovine rhinotracheitis and bovine virus diarrhea vaccines. Menanteau-Horta AM, et al. **Can J Comp Med** 1985 Jan; 49(1):10-4

A study of serologic relationships among non-cytopathogenic strains of bovine viral diarrhea-mucosal disease virus by reverse plaque technique. Itoh O, et al. **Nippon Juigaku Zasshi** 1984 Oct; 46(5):669-75

Enzyme-linked immunosorbent assay for the detection of antibodies to bovine viral diarrhea virus in bovine sera. Chu HJ, et al. **Vet Microbiol** 1985 Jun;10(4):325-33

An enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies to bovine viral diarrhoea virus (BVDV) in cattle sera. Howard CJ, et al. **Vet Microbiol** 1985 Jun;10(4):359-69

Disease control strategies for bovine pestivirus [letter] Done JT. **Vet Rec** 1984 Oct 27;115(17):446

Mucosal disease in cattle [letter] Harkness JW, et al. **Vet Rec** 1984 Sep 15;115(11):283

Disease control strategies for bovine pestivirus [letter] Roeder PL, et al. **Vet Rec** 1984 Nov 17;115(20):525-6

Studies on transplacental transmissibility of a bovine virus diarrhoea (BVD) vaccine virus in cattle. II. Inoculation of pregnant cows without detectable neutralizing antibodies to BVD virus 90-229 days before parturition (51st to 190th day of gestation). Liess B, et al. **Zentralbl Veterinarmed [B]** 1984 Oct;31(9):669-81

ISOLATION & PURIFICATION

Isolation of cytopathic and noncytopathic bovine viral diarrhea virus from the spleen of cattle acutely and chronically affected with bovine viral diarrhea. McClurkin AW, et al. **J Am Vet Med Assoc** 1985 Mar 15;186(6):568-9

Characterization of a non-cytopathogenic agent isolated from cytopathogenic bovine viral diarrhea-mucosal disease virus stock. Itoh O, et al. **Microbiol Immunol** 1984; 28(10):1163-7

PATHOGENICITY

Severe clinical disease induced in cattle persistently infected with noncytopathic bovine viral diarrhea virus by superinfection with cytopathic bovine viral diarrhea virus. Bolin SR, et al. **Am J Vet Res** 1985 Mar;46(3):573-6

Differentiation of cytopathic and noncytopathic isolates of bovine viral diarrhea virus by virus neutralization. Coria MF, et al. **Am J Vet Res** 1984 Oct;45(10):2129-31

Clinical evaluation of a temperature-sensitive bovine viral diarrhea vaccine strain. Lobmann M, et al. **Am J Vet Res** 1984 Dec;45(12):2498-503

Comparison of the pneumopathogenicity of two strains of bovine viral diarrhea virus. Potgieter LN, et al. **Am J Vet Res** 1985 Jan;46(1):151-3

PHYSIOLOGY

Evaluation of bovine viral diarrhea virus uptake by preimplantation embryos. Potter ML, et al. **Am J Vet Res** 1984 Sep;45(9):1778-80

Interference patterns between strains of bovine viral diarrhea-mucosal disease (BVD-MD) virus. Shirai J, et al. **Nippon Juigaku Zasshi** 1984 Dec;46(6):901-4

PETECHIAE see **PURPURA**

PETHIDINE see **MEPERIDINE**

PETIT MAL STATUS see **STATUS EPILEPTICUS**

PETROLATUM

A case of scleroderma with Sjögren's syndrome developed after mammoplasty. Nobunaga M, et al. **Clin Rheumatol** 1984 Sep;3(3):375-9

Characterization of the shear sensitivity property of petrolatum. Fu RC, et al. **J Pharm Sci** 1985 Mar;74(3):290-4

ADVERSE EFFECTS

Use of petroleum jelly [letter] Gold MI. **Anesthesiology** 1985 Sep;63(3):339-40

Acne secondary to white petrolatum use [letter] English JS, et al. **Arch Dermatol** 1985 Oct;121(10):1240

Acne secondary to white petrolatum use [letter] Frankel EB. **Arch Dermatol** 1985 May;121(5):589-90

ANALYSIS

Patch test allergens in petrolatum: a reappraisal. Fischer T et al. **Contact Dermatitis** 1984 Oct;11(4):224-8

PHARMACODYNAMICS

[Effect of ointment bases on the absorption of hydrocortisone acetate from ointments] Umer S. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:233-7

(Eng. Abstr.) (Pol)

PETROLATUM, LIQUID see **MINERAL OIL**

PETROLEUM

Smell of danger: an analysis of LP-gas odorization. Cain WS, et al. **Am Ind Hyg Assoc J** 1985 Mar;46(3):115-26 (51 ref.)

Radiological health implications of lead-210 and polonium-210 accumulations in LPG refineries. Summerlin J Jr, et al. **Am Ind Hyg Assoc J** 1985 Apr;46(4):202-5

'One man's meat, another man's poison': two chapters in the history of public health [editorial] Ozonoff D. **Am J Public Health** 1985 Apr;75(4):338-40

Smoking habits of oil refinery employees. Van Peenen PF, et al. **Am J Public Health** 1984 Dec;74(12):1408-9

Sickness absence in a Singapore refinery. Suratman A, et al. **Ann Acad Med Singapore** 1984 Apr;13(2 Suppl):417-21

Morbidity survey of U.S. oil shale workers employed during 1948-1969. Rom WN, et al. **Arch Environ Health** 1985 Jan-Feb;40(1):58-62

Identification of gasoline lead in children's blood using isotopic analysis. Tera O, et al. **Arch Environ Health** 1985 Mar-Apr;40(2):120-3

Genotoxic activity of particulate material in petroleum refinery effluents. Metcalfe CD, et al. **Bull Environ Contam Toxicol** 1985 Aug;35(2):240-8

Peripheral neuropathy following intentional inhalation of naphtha fumes. Tenenbein M, et al. **Can Med Assoc J** 1984 Nov 1;131(9):1077-9

Toxic impact of effluents from petrochemical industry. Nikunen E. **Ecotoxicol Environ Safety** 1985 Feb;9(1):84-91

Radiation exposure risks to nuclear well loggers. Fujimoto K, et al. **Health Phys** 1985 Apr;48(4):437-45

Major mishaps among mobile offshore drilling units, 1955-1981: time trends and fatalities. Clemmer DI, et al. **Int J Epidemiol** 1985 Mar;14(1):106-12

Survival of pathogenic bacteria in crude oil. Myers GE. **J Environ Pathol Toxicol Oncol** 1984 Jul;5(4-5):79-87

Lead in petrol and levels of lead in blood: scientific evidence and social policy. Elwood PC, et al. **J Epidemiol Community Health** 1984 Dec;38(4):315-8

DUI and petrol consumption. Dalley R. **J Forensic Sci Soc** 1985 Jan-Feb;25(1):53-4

Texaco mortality study. I. Mortality among refinery, petrochemical, and research workers. Divine BJ, et al. **J Occup Med** 1985 Jun;27(6):445-7

The health implications of increased manganese in the environment resulting from the combustion of fuel additives: a review of the literature. Cooper WC. **J Toxicol Environ Health** 1984;14(1):23-46 (123 ref.)

Leads from the MMWR. Reproduction function observations among oil refinery workers. **JAMA** 1985 Jul 19;254(3):344, 346

Long-term mortality study of oil refinery workers. IV. Exposure to the lubricating-dewaxing process. Wen CP, et al. **JNCI** 1985 Jan;74(1):11-8

'Health Watch': the Australian petroleum industry health study surveillance programme. Christie D, et al. **Med J Aust** 1984 Sep 15;141(6):331-4

Nontoxicity of an oil shale process water to Escherichia coli. Adams JC. **Microbiologica** 1985 Apr;8(2):211-5

Comparison of methods for the enumeration of fecal coliforms exposed to certain synfuel process waters. Adams JC. **Microbiologica** 1985 Jan;8(1):79-83

Observations of reproductive functions among workers in an oil refinery--Louisiana. **MMWR** 1985 Jun 14; 34(23):350-2

Gasoline sniffing and lead toxicity among siblings--Virginia. **MMWR** 1985 Jul 26;34(29):449-50, 455

The offshore worker. Elliott DH. **Practitioner** 1985 Jun; 229(1404):565-71

Evaluation of concentration procedures of mutagenic metabolites from urine of diesel particulate-treated rats. Belisario MA, et al. **Toxicol Lett** 1985 Apr;25(1):81-8

Synthetic fuels: production and products. Singh SP. **Vet Hum Toxicol** 1985 Aug;27(4):285-90 (24 ref.)

[Lead removed from gasoline?] Zielhuis RL. **Ned Tijdschr Geneeskd** 1984 Sep 1;128(35):1663-6 (Dut)

[Petroleum civilization and diving of men] Seki K. **Ann Physiol Anthropol** 1984 Jul;3(3):195-200 (35 ref.) (Jpn)

[Field application of instruments using radiation. 3. Nuclear well logging in oil wells] Miyairi M. **Radioisotopes** 1985 Feb;34(2):108-11 (Jpn)

[Changes in the occupationally important qualities of the operators of petroleum-refining installations during adaptation to work] Korablina EP. **Fiziol Cheloveka** 1984 Jan-Feb;10(1):166-8 (Rus)

[Circulatory dynamics during field-duty work] Krivoshchenkov SG, et al. **Fiziol Cheloveka** 1984 Jan-Feb; 10(1):86-93 (Rus)

[Methodological approach to the development of hygienic predictions of air quality in the environs of big petrochemical complexes] Prusakov VM, et al. **Gig Sanit** 1984 Nov;(11):43-7 (Rus)

[Effect of noise on floating drilling rigs on the hearing of personnel] Varenikov II, et al. **Gig Sanit** 1985 Apr;(4):33-5 (Eng. Abstr.) (Rus)

[Reproductive function in the female workers at an oil field engineering plant] Alekperov II, et al. **Gig Tr Prof Zabol** 1984 Sep;(9):43-5 (Rus)

[Relations between changes in lipid metabolism and the degree of exposure to neuro-emotional factors] Melkumian AN, et al. **Gig Tr Prof Zabol** 1984 Nov;(11):23-6 (Eng. Abstr.) (Rus)

[Clinico-hygienic basis for improving the working and living conditions of geologists-geophysicists] Sokolina LL, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):35-9 (Eng. Abstr.) (Rus)

[Comparative characteristics of the intensity of leukocyte migration and the degree of epithelial cell desquamation of the nasal mucosa in petroleum and petrochemical industry workers] Dzhafarov ZR. **Vestn Otorinolaringol** 1984 Nov-Dec;(6):28-30 (Eng. Abstr.) (Rus)

[Morbidity with temporary loss of work capacity in petroleum refining industry workers in the western provinces of the Ukrainian SSR] Loginov AI. **Vrach Delo** 1984 Aug;(8):118-9 (Rus)

ADVERSE EFFECTS

A 'gift of God'?: The public health controversy over leaded gasoline during the 1920s. Rosner D, et al. **Am J Public Health** 1985 Apr;75(4):344-52

Chronic respiratory effects of exposure to diesel emissions in coal mines. Ames RG, et al. **Arch Environ Health** 1984 Nov-Dec;39(6):389-94

Kerosene-induced abscesses [letter] Nixon SA. **Arch Intern Med** 1985 Sep;145(9):1743

Kerosene-induced epidural abscesses [letter] Rubinstein E, et al. **Arch Intern Med** 1985 Feb;145(2):371

Toxic epidermal necrolysis from oil lamp fuel. Foged EK. **Contact Dermatitis** 1984 Aug;11(2):135-6

Do cooking fuels pose a risk for lung cancer? A case-control study of women in Hong Kong. Koo LC, et al. **Ecol Dis** 1983;2(4):255-65

Lead in petrol. Caplun E, et al. **Endeavour** 1984;8(3):135-44

Adult respiratory distress syndrome in a pediatric patient. Nugent SK. **Indiana Med** 1985 Feb;78(2):104-7

Gasoline exposure, smoking, and kidney cancer [letter] Domiano SF, et al. **J Occup Med** 1985 Jun;27(6):398-9

Cancer risk among oil refinery workers. A review of epidemiologic studies. Savitz DA, et al. **J Occup Med** 1984 Sep;26(9):662-70 (37 ref.)

Induction of acetylcholinesterase inhibition in the guinea pig trachea by kerosene. Casacó A, et al. **Respiration** 1985; 48(1):46-9

Low-dose chronic inhalation of diesel exhaust and/or coal dust by rats: effect of age and exposure on lung and liver cytochrome P-450. Rabovsky J, et al. **Xenobiotica** 1984 Jul;14(7):595-8

[Evaluation of the organ of sight in workers at the Masovian Refinery-Petrochemistry Plant. II. Correlation of the results of ophthalmological tests with the results of specialized and laboratory tests] Krawczykowa Z, et al. **Med Pr** 1984;35(3):227-30 (Eng. Abstr.) (Pol)

[Incidence of urinary tract diseases among workers in the Masovian Refining and Petrochemical Plants in Plock 1978-1981] Miekoś E, et al. **Med Pr** 1984;35(6):449-52 (Eng. Abstr.) (Pol)

[Oil-induced acne in workers in the automobile industry] Santarius-Kaczur D. **Med Pr** 1984;35(4):309-11 (Eng. Abstr.) (Pol)

[Case of lipid pneumonia] Bednarski Z. **Wiad Lek** 1984 Sep 15;37(18):1433-5 (Eng. Abstr.) (Pol)

[Experimental data on the carcinogenic effect of fibrogenic petroleum pitch] Kazanin VI, et al. **Gig Tr Prof Zabol** 1984 Aug;(8):55-7 (Rus)

[Effect of industrial oils of Apsheron on the sebaceous-hair system of the skin in workers] Gusein-Zade KM, et al. **Vestn Dermatol Venerol** 1984 Oct;(10):55-8 (Eng. Abstr.) (Rus)

ANALYSIS

Quantitation of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter by high-performance liquid chromatography fractionation and high-resolution gas chromatography. Tong HY, et al. **Anal Chem** 1984 Oct; 56(12):2129-34

Lead in umbilical blood, indoor air, tap water, and gasoline in Boston. Rabinowitz M, et al. **Arch Environ Health** 1984 Jul-Aug;39(4):299-301

Partition coefficients as a measure of bioconcentration potential of crude oil compounds in fish and shellfish. Ogata M, et al. **Bull Environ Contam Toxicol** 1984 Nov; 33(5):561-7

Aromatic and other contents in automobile gasoline in Japan. Ikeda M, et al. **Ind Health** 1984;22(4):235-41

Determination of polycyclic aromatic hydrocarbons in diesel exhaust particulate matter and diesel fuel oil. Obuchi A, et al. **J Chromatogr** 1984 Nov 16;312:247-59

Determination of total sulphur in fuel oils by molecular emission cavity analysis. Burguera M, et al. **Sci Total Environ** 1985 Feb;41(2):163-71

[Evaluation of emissions from civil aviation aircraft in the airport area] Smelianskaia DI, et al. **Gig Sanit** 1985 Jan; (1):19-21 (Rus)

[Chromatographic method of determining the content of liquid gas constituents in the air of industrial establishments] Maslovska Ia, et al. **Gig Tr Prof Zabol** 1985 Jun;(6):17-20 (Rus)

POISONING

Systemic toxicity following gasoline aspiration. Banner W Jr, et al. **Am J Emerg Med** 1983 Nov;1(3):292-4

Kerosene intoxication in Dr. Pirngadi Hospital Medan, Indonesia. Panjaitan A, et al. **Paediatr Indones** 1984 Nov-Dec;24(11-12):243-8

Morphological lesions in red blood cells from herring gulls and Atlantic puffins ingesting Prudhoe Bay crude oil. Leighton FA. **Vet Pathol** 1985 Jul;22(4):393-402

[Clinical features of acute gasoline pneumonia] Ermakov EV, et al. **Klin Med (Mosk)** 1984 Dec;62(12):91-2 (Rus)

[Pneumonitis caused by hydrocarbons. Use of bronchio-alveolar lavage in its diagnosis (letter)] Domínguez Juncal LM, et al. **Med Clin (Barc)** 1985 Mar 23;84(11):461 (Spa)

TOXICITY

Effects of kerosene on airway sensitization to egg albumin in guinea pig. Casacó A, et al. **Allergol Immunopathol (Madr)** 1985 May-Jun;13(3):235-9

Cytologic and biochemical changes in pulmonary washings of guinea pigs exposed to kerosene. Noa M, et al. **Allergol Immunopathol (Madr)** 1985 May-Jun;13(3):193-6

Effects of a two-year inhalation exposure of rats to coal dust and/or diesel exhaust on tension responses of isolated airway smooth muscle. Fedan JS, et al. **Am Rev Respir Dis** 1985 Apr;131(4):651-5

Carcinogenic potential of hydrotreated petroleum aromatic extracts. Doak SM, et al. **Br J Ind Med** 1985 Jun; 42(6):380-8

Effect of the benzene fraction of petroleum on protein content in rat liver and kidney. Bong M, et al. **Bull Environ Contam Toxicol** 1985 Jan;34(1):45-54

Effectiveness of hydrotreatment in reducing the toxicity of a coal liquefaction product to juvenile channel catfish. Cada GF, et al. **Bull Environ Contam Toxicol** 1985 May; 34(5):746-53

Thermoregulation in a naturally oil-contaminated black-billed murre Uria aalge. Jenssen BM, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):9-14

Responses of macrobenthos colonizing estuarine sediments contaminated with drilling mud containing diesel oil. Tagatz ME, et al. **Bull Environ Contam Toxicol** 1985 Jul; 35(1):112-20

Impact of an oil field effluent on microbial activities in a Wyoming river. Heitkamp MA, et al. **Can J Microbiol** 1984 Jun;30(6):786-92

Respiration of mitochondria from the gonads of the sea urchin, Strongylocentrotus droebachiensis: the effects of petroleum fractions on oxygen consumption. Davis PJ, et al. **Comp Biochem Physiol [C]** 1985;80(1):155-60

Changes in cardiac activity, oxygen uptake and perfusion indices in Carcinus maenas (L.) exposed to crude oil and dispersant. Depledge MH. **Comp Biochem Physiol [C]** 1984; 78(2):461-6

Selectivity of mixed-function oxygenase enzyme induction in flounder (Pseudopleuronectes americanus) collected at the site of the Baie Verte, Newfoundland oil spill. Payne JF, et al. **Comp Biochem Physiol [C]** 1984;79(1):15-9

Mutagenic 1-nitropyrene in wastewater from oil-water separating tanks of gasoline stations and in used crankcase oil. Manabe Y, et al. **Environ Mutagen** 1984;6(5):669-81

Differential viability of phosphoglucose isomerase allozyme genotypes of marine snails in nonionic detergent and crude oil-surfactant mixtures. Lavie B, et al. **Environ Res** 1984 Oct;35(1):270-6

Effects of ingestion of hibernia and Prudhoe Bay crude oils on hepatic and renal mixed function oxidase in nestling herring gulls (Larus argentatus). Lee YZ, et al. **Environ Res** 1985 Feb;36(1):248-55

Subcutaneous kerosene toxicity in albino rats. Rao GS, et al. **Environ Res** 1984 Dec;35(2):516-30

Lack of concordance of the Salmonella/microsome assay with the mouse dermal carcinogenesis bioassay for complex petroleum hydrocarbon mixtures. Cragg ST, et al. **Fundam Appl Toxicol** 1985 Apr;5(2):382-90

Mutagenicity and chemical characterization of two petroleum distillates. Carver JH, et al. **J Appl Toxicol** 1984 Aug;4(4):163-9

Health effects of diesel emissions--an update. Weisenberger BL. **J Soc Occup Med** 1984 Aug;34(3):90-2

Mutagenic and carcinogenic activity of a hydrotreated coal liquid. Frazier ME, et al. **J Toxicol Environ Health** 1984; 13(4-6):531-43

Quantitation of the photomutagenic response of Salmonella to an Eastern shale oil and fluorescent light. Selby C, et al. **Photochem Photobiol** 1984 Sep;40(3):329-32

Epidermal cellular proliferation and differentiation in sexually mature male Salmo salar with androgen levels depressed by oil. Burton D, et al. **Proc R Soc Lond [Biol]** 1985 Jul 22;225(1238):121-8

Kerosene aerosol induces guinea-pig airway hyperreactivity to acetylcholine. Casacó A, et al. **Respiration** 1985; 47(3):190-5

Acute toxicity of gasoline and ethanol automobile engine exhaust gases. Massad E, et al. **Toxicol Lett** 1985 Aug; 26(2-3):187-92

[Carcinogenic effect of a heavy catalytic gas oil] Karimov MA, et al. **Vopr Onkol** 1984;30(12):40-5 (Eng. Abstr.) (Rus)

EWARK PUBLIC LIBRAR

PETROLEUM JELLY see **PETROLATUM**

PETROUS BONE

Giant cholesterol cysts of the petrous apex: radiologic features. Latack JT, et al. **AJNR** 1985 May-Jun;6(3):409-13

Congenital cholesteatoma of the petrous pyramid. Horn KL, et al. **Arch Otolaryngol** 1985 Sep;111(9):621-2

Computed tomography in the diagnosis of primary tumors of the petrous bone. Mafee MF, et al. **Laryngoscope** 1984 Nov;94(11 Pt 1):1423-30

Petrous apex cholesterol granuloma presenting as cochleovestibular hydrops. McDonald P, et al. **Otolaryngol Head Neck Surg** 1984 Oct;92(5):590-3

[Cholesteatoma in the medial part of the petrous bone and the modified transotic approach] Cremers CW. **Ned Tijdschr Geneeskd** 1985 Jun 22;129(25):1193-5 (Eng. Abstr.) **(Dut)**

[Hemangiopericytoma of the petrous bone. Considerations apropos of 5 surgically treated cases] Geuna E, et al. **Neurochirurgie** 1985;31(1):51-9 (Eng. Abstr.) **(Fre)**

[Mondini-type petrous bone dysplasia as a cause of spontaneous otoliquorrhea] Litière L, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Aug;63(8):389-91 (Eng. Abstr.) **(Ger)**

[Petrositis complicated by cavernous sinus thrombosis] Gulin KS. **Vestn Otorinolaringol** 1984 Sep-Oct;(5):66-7 **(Rus)**

ANATOMY & HISTOLOGY

Clinical anatomy of the cerebellopontine angle and internal acoustic meatus. Lang J. **Adv Otorhinolaryngol** 1984; 34:8-24

Surface-coil magnetic resonance imaging of the internal auditory canal. Daniels DL, et al. **AJR** 1985 Sep; 145(3):469-72

[Status of the canal system in the temporal bone and its variations. II. Canals of the petrous portion between the internal acoustic meatus and the inferior surface of the petrous portion] Lang J, et al. **HNO** 1985 Jun;33(6):279-84 **(Ger)**

[Nuclear spin tomography of the petrous bone and cerebellopontiLe angle. Methods and normal anatomy] Lenz M, et al. **ROFO** 1985 Jul;143(1):1-8 (Eng. Abstr.) **(Ger)**

INJURIES

Glucose oxidase sticks and cerebrospinal fluid rhinorrhea. Katz RT, et al. **Arch Phys Med Rehabil** 1985 Jun; 66(6):391-3

Tympanic plate fracture from mandibular trauma. Conover GL, et al. **J Oral Maxillofac Surg** 1985 Apr;43(4):292-4

[Fronto- and laterobasal injuries in childhood and adolescence] Kretschmer H. **Aktuel Traumatol** 1984 Oct; 14(5):187-92 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Pneumatization and thickness of the petrous bone in patients with Meniere's disease. A histopathological study. Sando I, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1985 Jul-Aug; 118:2-5

The investigation and management of petrous apex erosion. Flood LM, et al. **J Laryngol Otol** 1985 May;99(5):439-50

Cholesterol granuloma of the petrous apex and sphenoidal sinus: a case report. Gray WC, et al. **Neurosurgery** 1985 Jul;17(1):67-9

RADIOGRAPHY

Computed tomography of temporal bone pneumatization: 2. Petrosquamosal suture and septum. Virapongse C, et al. **AJNR** 1985 Jul-Aug;6(4):561-8

[Use and problems of high-resolution computed tomography of the petrous bone] Schadel A, et al. **HNO** 1985 Apr; 33(4):171-5 (Eng. Abstr.) **(Ger)**

[Computed tomography of the petrous bone in comparison with conventional tomography] Dalicho R, et al. **Radiol Diagn (Berl)** 1985;26(1):83-9 (Eng. Abstr.) **(Ger)**

[Diseases in the area of the petrous bone: the value of high-resolution computed tomography] König H, et al. **Rontgenpraxis** 1985 Apr;38(4):121-7 **(Ger)**

SURGERY

Petrous apicitis: surgical anatomy. Chole RA. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):251-7

Skin cover after petrosectomy. Stell PM. **Clin Otolaryngol** 1985 Apr;10(2):109-12

Cholesterol granuloma of the petrous apex. Gherini SG, et al. **Laryngoscope** 1985 Jun;95(6):659-64

Surgery in lesions of the petrous apex. Flood LM, et al. **Otolaryngol Clin North Am** 1984 Aug;17(3):565-75

Transpetrosal-transtentorial approach and its application in the therapy of retrochiasmatic craniopharyngiomas. Hakuba A, et al. **Surg Neurol** 1985 Oct;24(4):405-15

[Technics and indications of limited petrosectomy. Value of the combined transcochlear and infratemporal approach] Cannoni M, et al. **Ann Otolaryngol Chir Cervicofac** 1985; 102(1):31-45 (Eng. Abstr.) **(Fre)**

[Operative tasks with regard to the cranial base in otorhinolaryngology. III] Wullstein HL. **HNO** 1984 Oct; 32(10):401-12 (Eng. Abstr.) **(Ger)**

PETROUS PYRAMID see **PETROUS BONE**

PETS see **ANIMALS, DOMESTIC**

PEUTZ-JEGHERS SYNDROME

Peutz-Jeghers syndrome: clinical presentation and new therapeutic strategy. Mathus-Vliegen EM, et al. **Endoscopy** 1985 May;17(3):102-4

[Peutz-Jeghers syndrome] Liu W. **Chung Hua Wai Ko Tsa Chih** 1984 Sep;22(9):570-1 **(Chi)**

COMPLICATIONS

Gastro-intestinal malignancy in association with Peutz-Jeghers syndrome--three further cases. Stockdale AD, et al. **Clin Oncol** 1984 Sep;10(3):299-301

Peutz-Jeghers syndrome and metastasising colonic adenocarcinoma. Tweedie JH, et al. **Gut** 1984 Oct; 25(10):1118-23

Peutz Jeghers syndrome (gastro-intestinal polyposis) and its complications. Oonwala ZG, et al. **JPMA** 1985 May; 35(5):154-5

Peutz-Jeghers syndrome and cancer. Rodu B, et al. **Oral Surg Oral Med Oral Pathol** 1984 Nov;58(5):584-8

Peutz-Jeghers syndrome with cervical adenocarcinoma and enteritis cystica profunda. Anderson NJ, et al. **West J Med** 1984 Aug;141(2):242-4

[Morphogenesis of gastric polyp in Peutz-Jeghers syndrome] Sakaguchi U. **Nippon Shokakibyo Gakkai Zasshi** 1984 Jul; 81(7):1547-53 (Eng. Abstr.) **(Jpn)**

[Roentgenologic findings of intussusception in Peutz-Jeghers syndrome] Oyama K, et al. **Rinsho Hoshasen** 1984 Sep; 29(9):1009-12 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Peutz-Jeghers syndrome] Chernyshev NV, et al. **Khirurgiia (Mosk)** 1984 Dec;(12):119-20 **(Rus)**

[Diagnosis of Peutz-Jeghers syndrome] Sivash ES, et al. **Klin Med (Mosk)** 1984 Jul;62(7):127-31 **(Rus)**

PATHOLOGY

Epithelioid leiomyosarcoma originating in a hamartomatous polyp from a patient with Peutz-Jeghers syndrome. Patterson MJ, et al. **Gastroenterology** 1985 Apr; 88(4):1060-4

Intraductal breast papilloma with squamous metaplasia in Peutz-Jeghers syndrome [letter] Voigt JJ, et al. **Hum Pathol** 1984 Dec;15(12):1194-5

Giant hamartoma of the colon: Peutz-Jeghers type. Agha FP, et al. **J Clin Gastroenterol** 1985 Jun;7(3):261-5

Gastric carcinoma in Peutz-Jeghers syndrome. Kyle J. **Scott Med J** 1984 Jul;29(3):187-91

[Peutz-Jeghers syndrome--report of 11 cases (including 1 with colonic polyp and infiltrative adenoma)] Fei LM. **Chung Hua I Hsueh Tsa Chih** 1984 Sep;64(9):569-71 **(Chi)**

[Considerations on 2 cases of Peutz-Jeghers syndrome] Di Curzio B, et al. **Minerva Dietol Gastroenterol** 1984 Jul-Sep; 30(3):295-9 (Eng. Abstr.) **(Ita)**

SURGERY

[Hamartomatous polyposis of the gastrointestinal tract (Peutz-Jeghers syndrome)] Fedorov VD, et al. **Khirurgiia (Mosk)** 1985 Mar;(3):21-6 (Eng. Abstr.) **(Rus)**

PEYER'S PATCHES

ANALYSIS

Relative contribution of Peyer's patches to intestinal DNA content and tritiated thymidine content of the mouse small intestine. Goodlad RA, et al. **Digestion** 1984;30(4):251-4

ANATOMY & HISTOLOGY

[Immunomorphology of clustered lymph follicles (Peyer's patches)] Shakhlamov VA, et al. **Arkh Anat Gistol Embriol** 1984 Dec;87(12):87-97 **(Rus)**

BLOOD SUPPLY

Involvement of sialic acid on endothelial cells in organ-specific lymphocyte recirculation. Rosen SD, et al. **Science** 1985 May 24;228(4702):1005-7

CYTOLOGY

Non-random distribution of lymphoid cells within the follicle-associated epithelium is caused by lymphoid cells associated with M cells. Rowiński J, et al. **Cell Biol Int Rep** 1985 Feb;9(2):115

Particles and macrophages in murine Peyer's patches. LeFevre ME, et al. **Exp Cell Biol** 1985;53(3):121-9

Peyer's patch dendritic cells: isolation and functional comparison with murine spleen dendritic cells. Spalding DM, et al. **Immunobiology** 1984 Dec;168(3-5):380-90 (48 ref.)

The proliferative response of cloned Peyer's patch switch T cells to syngeneic and allogeneic stimuli. Kawanishi H, et al. **J Immunol** 1985 Jun;134(6):3586-91

Peyer's patch lymphocytes express natural cytotoxicity but not natural killer activity. Tagliabue A, et al. **Nat Immun Cell Growth Regul** 1983-84;3(2):95-101

IMMUNOLOGY

Veiled cells in the gastrointestinal tract. Wilders MM, et al. **Acta Chir Scand [Suppl]** 1985;525:93-111

Polyclonal B-cell activation of rabbit Peyer's patch. Axelrod DA. **Clin Immunol Immunopathol** 1985 Sep;36(3):371-7

Primary and secondary in vitro immune response of the rabbit Peyer's patch and spleen to RDEC-1 pili. Axelrod DA. **Clin Immunol Immunopathol** 1985 Oct;37(1):124-34

Differentiation of B lymphocytes in sheep. I. Phenotypic analysis of ileal Peyer's patch cells and the demonstration of a precursor population for sIg+ cells in the ileal Peyer's patches. Miyasaka M, et al. **Immunology** 1984 Nov; 53(3):515-23

Modulation of IgE isotype expression on B lymphocytes in Peyer's patches of germfree rats. Durkin HG, et al. **Prog Clin Biol Res** 1985;181:387-90

METABOLISM

An immunoelectron microscopic study of IgA-containing cells in postcapillary venules of mouse Peyer's patches. Kimura M, et al. **J Electron Microsc (Tokyo)** 1984; 33(2):123-30

Lymphocyte recognition of lymph node high endothelium. VI. Evidence of distinct structures mediating binding to high endothelial cells of lymph nodes and Peyer's patches. Chin YH, et al. **J Immunol** 1984 Dec;133(6):2961-5

Retention of ingested latex particles in Peyer's patches of germfree and conventional mice. Lefevre ME, et al. **Proc Soc Exp Biol Med** 1985 Sep;179(4):522-8

PATHOLOGY

[Morphological changes in the lymphatic follicles of the intestines and other organs of immunity in antigenic exposure] Keisevich LV, et al. **Vrach Delo** 1984 Sep; (9):34-6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Intercellular spaces in the lymph nodule associated epithelium of the rabbit Peyer's patch and appendix. Ogawa K, et al. **Arch Histol Jpn** 1985 Feb;48(1):53-67

Structural features of and cholesterol distribution in M-cell membranes in guinea pig, rat, and mouse Peyer's patches. Madara JL, et al. **Gastroenterology** 1984 Nov; 87(5):1091-103

Morphological and functional comparisons of Peyer's patches in different parts of the swine small intestine. Chu RM, et al. **Vet Immunol Immunopathol** 1984 Jul;6(3-4):391-403

PEYOTE see **MESCALINE**

PEYRONIE'S DISEASE see **PENILE INDURATION**

PF 4 see **PLATELET FACTOR 4**

PFAUNDLER-HURLER SYNDROME see **LIPOCHONDRODYSTROPHY**

PHAGE LAMBDA

ANALYSIS

Isolation of lambda phage DNA by hydroxylapatite chromatography. Ivanov I, et al. **Anal Biochem** 1985 May 1;146(2):389-92

A new method for purifying lambda DNA from phage lysates. Helms C, et al. **DNA** 1985 Feb;4(1):39-49

Sequence-specific recognition of DNA. Nuclear magnetic resonance assignments and structural comparison of wild-type and mutant lambda OR3 operator DNA. Wemmer DE, et al. **J Mol Biol** 1984 Nov 25;180(1):41-60

Subcellular localization of lethal lysis proteins of bacteriophages lambda and phiX174. Altman E, et al. **J Virol** 1985 Mar;53(3):1008-11

Distribution of 'intrastrand annealing' sequences in lambda bacteriophage genome. Yamamoto K, et al. **Jpn J Exp Med** 1984 Dec;54(6):249-53

Efficient modification of E. coli RNA polymerase in vitro by the N gene transcription antitermination protein of bacteriophage lambda. Goda Y, et al. **Nucleic Acids Res** 1985 Apr 11;13(7):2569-82

DRUG EFFECTS

Genetic and biochemical factors affecting the induction of bacteriophage lambda by N-nitroso compounds. Elespuru RK, et al. **IARC Sci Publ** 1984;(57):731-9

An in vitro test for photoinduced toxicity of benzothiadiazine diuretics using bacteriophage lambda. Fujita H, et al. **Photochem Photobiol** 1985 Mar;41(3):355-9

ENZYMOLOGY

Essential interaction between lambdoid phage 21 terminase and the Escherichia coli integrative host factor. Feiss M, et al. **J Mol Biol** 1985 May 25;183(2):239-46

The terminase of bacteriophage lambda. Functional domains for cosB binding and multimer assembly. Frackman S, et al. **J Mol Biol** 1985 May 25;183(2):225-38

A functional domain of bacteriophage lambda terminase for

EWARK PUBLIC LIBRAR

prohead binding. Frackman S, et al. **J Mol Biol** 1984 Dec 5;180(2):283-300

GENETICS

Origin and initiation sites of lambda dv DNA replication in vitro. Tsurimoto T, et al. **Basic Life Sci** 1985;30:151-72

The energetics of the injection process of bacteriophage lambda DNA and the role of the ptsM/pel-encoded protein. Filali Maltouf AK, et al. **Biochem Biophys Res Commun** 1985 Aug 15; 130(3):1093-101

IHF stimulation of lambda cII gene expression is inhibited by the E. coli NusA protein. Peacock S, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):1026-31

Lambda phage cro repressor interaction with its operator DNA: 2'-deoxy-5-fluorouracil OR3 analogues. Metzler WJ, et al. **Biochemistry** 1985 Mar 12;24(6):1418-24

Cloning and expression in Escherichia coli of the TL-DNA gene 4 of Agrobacterium tumefaciens under the control of the PR promoter of bacteriophage lambda. Sibold L, et al. **Biochimie** 1984 Jul-Aug;66(7-8):547-56

Effect of ozone on prophage induction in different strains of Escherichia coli K-12 lysogenic for lambda. L'Hérault P, et al. **Can J Genet Cytol** 1984 Dec;26(6):706-9

Determinants of directionality in lambda site-specific recombination. Bushman W, et al. **Cell** 1984 Dec;39(3 Pt 2):699-706

E. coli integration host factor binds to specific sites in DNA. Craig NL, et al. **Cell** 1984 Dec;39(3 Pt 2):707-16

Phage lambda gene Q antiterminator recognizes RNA polymerase near the promoter and accelerates it through a pause site. Grayhack EJ, et al. **Cell** 1985 Aug;42(1):259-69

Length determination in bacteriophage lambda tails. Katsura I, et al. **Cell** 1984 Dec;39(3 Pt 2):691-8

Antitermination of E. coli rRNA transcription is caused by a control region segment containing lambda nut-like sequences. Li SC, et al. **Cell** 1984 Oct;38(3):851-60

The stereostructure of knots and catenanes produced by phage lambda integrative recombination: implications for mechanism and DNA structure. Spengler SJ, et al. **Cell** 1985 Aug;42(1):325-34

DNA interactions during bacteriophage lambda site-specific recombination. Bauer CE, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:699-705

Transposition of bacteriophage mu DNA: expression of the A and B proteins from lambda pL and analysis of infecting mu DNA. Chaconas G, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:279-84

Enzymes and sites of genetic recombination: studies with gene-3 endonuclease of phage T7 and with site-affinity mutants of phage lambda. de Massy B, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:715-26

The role of specialized nucleoprotein structures in site-specific recombination and initiation of DNA replication. Echols H, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:727-33

Nonhomologous recombination mediated by Escherichia coli DNA gyrase: possible involvement of DNA replication. Ikeda H, et al. **Cold Spring Harbor Symp Quant Biol** 1984; 49:401-9

Lambda integrative recombination: supercoiling, synapsis, and strand exchange. Kitts P, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:735-44

The mechanism of the chi-cos interaction in RecA-RecBC-mediated recombination in phage lambda. Kobayashi I, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:497-506

Origin of cryptic lambda prophages in Escherichia coli K-12. Redfield RJ, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:199-206

Quantitative analysis of the contributions of enzyme and DNA to the structure of lambda integrative recombinants. Spengler SJ, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:745-9

Plasmid, phage, and genomic DNA-mediated transfer and expression of prokaryotic and eukaryotic genes in cultured human cells. Srivatsan ES, et al. **Cytogenet Cell Genet** 1984; 38(3):227-34

1H NMR study of the interaction of bacteriophage lambda Cro protein with the OR3 operator. II. Assignment of the non-exchangeable proton resonances of the OR3 operator. Hahn KD, et al. **Eur Biophys J** 1985;12(2):87-95

Analysis of the different molecular forms of penicillin-binding protein 1B in Escherichia coli ponB mutants lysogenized with specialized transducing lambda (ponB+) bacteriophages. Rojo F, et al. **Eur J Biochem** 1984 Nov 2;144(3):571-6

The catabolite gene activation system of E. coli may be directly involved in regulation of bacteriophage lambda development. Glukhov IL, et al. **FEBS Lett** 1984 Nov 5; 177(1):115-8

Photo CIDNP study on the complex formation of lambda cro protein with OR3. Shirakawa M, et al. **FEBS Lett** 1985 Feb 25;181(2):286-90

Salmonella typhimurium rpoB and rpoC genes cloned on lambda phages. Tittawella IP. **FEBS Lett** 1985 Jun 3; 185(1):33-6

CII-dependent activation of the pRE promoter of coliphage lambda fused to the Escherichia coli galK gene. Fien K, et al. **Gene** 1984 Dec;32(1-2):141-50

The DNA between Rz and cosR in bacteriophage lambda is nonessential. Hernandez VJ, et al. **Gene** 1985;33(3):363-5

A new selective phage cloning vector, lambda 2001, with sites for XbaI, BamHI, HindIII, EcoRI, SstI and XhoI. Karn J, et al. **Gene** 1984 Dec;32(1-2):217-24

Use of a recombination-deficient phage lambda system to construct wheat genomic libraries. Murray MG, et al. **Gene** 1984 Oct;30(1-3):237-40

Rapid restriction mapping of DNA cloned in lambda phage vectors. Rackwitz HR, et al. **Gene** 1984 Oct; 30(1-3):195-200

Construction and properties of plasmid pKC30, a pBR322 derivative containing the pL-N region of phage lambda. Rao RN. **Gene** 1984 Nov;31(1-3):247-50

A portable DNA sequence carrying the cohesive site (cos) of bacteriophage lambda and the mob (mobilization) region of the broad-host-range plasmid RK2: a module for the construction of new cosmids. Selvaraj G, et al. **Gene** 1984 Dec;32(1-2):235-41

Rec-mediated recombinational activity of two adjacent Chi elements in bacteriophage lambda. Yagil E, et al. **Genet Res** 1985 Feb;45(1):1-8

Coupling with packaging explains apparent nonreciprocality of Chi-stimulated recombination of bacteriophage lambda by RecA and RecBC functions. Kobayashi I, et al. **Genetics** 1984 Dec;108(4):773-94

Crosses between insertion and point mutations in lambda gene cI: stimulation of neighboring recombination by heterology. Lieb M, et al. **Genetics** 1984 Oct;108(2):277-89

Does Chi give or take? Stahl FW, et al. **Genetics** 1984 Dec; 108(4):795-808

Transposable lambda placMu bacteriophages for creating lacZ operon fusions and kanamycin resistance insertions in Escherichia coli. Bremer E, et al. **J Bacteriol** 1985 Jun; 162(3):1092-9

Phasmid vectors for identification of genes by complementation of Escherichia coli mutants. Elledge SJ, et al. **J Bacteriol** 1985 May;162(2):777-83

Mutations in bacteriophage lambda repressor that prevent RecA-mediated cleavage. Gimble FS, et al. **J Bacteriol** 1985 Apr;162(1):147-54

Evidence that the outer membrane protein gene nmpC of Escherichia coli K-12 lies within the defective qsr' prophage. Highton PJ, et al. **J Bacteriol** 1985 Apr; 162(1):256-62

Inhibitory effect of high-level transcription of the bacteriophage lambda nutL region on transcription of rRNA in Escherichia coli. Sharrock RA, et al. **J Bacteriol** 1985 Aug;163(2):704-8

Mutation-dependent suppression of recB21 recC22 by a region cloned from the Rac prophage of Escherichia coli K-12. Willis DK, et al. **J Bacteriol** 1985 Jun;162(3):1166-72

Interaction of rho factor with bacteriophage lambda cro gene transcripts. Ceruzzi MA, et al. **J Biol Chem** 1985 Aug 5; 260(16):9412-8

Functional and physical characterization of transcription initiation complexes in the bacteriophage lambda OR region. Hawley DK, et al. **J Biol Chem** 1985 Jul 15; 260(14):8618-26

Purification and properties of Int-h, a variant protein involved in site-specific recombination of bacteriophage lambda. Lange-Gustafson BJ, et al. **J Biol Chem** 1984 Oct 25;259(20):12724-32

Rho-dependent transcription termination at lambda R1 requires upstream sequences. Lau LF, et al. **J Biol Chem** 1985 Jan 10;260(1):574-84

The phi 80 and P22 attachment sites. Primary structure and interaction with Escherichia coli integration host factor. Leong JM, et al. **J Biol Chem** 1985 Apr 10;260(7):4468-77

DNA-dependent ATPase activity associated with phage P22 gene 12 protein. Wickner S. **J Biol Chem** 1984 Nov 25; 259(22):14038-43

A programme for the construction of a lambda phage. Brammar WJ, et al. **J Embryol Exp Morphol** 1984 Nov; 83 Suppl:75-88

A genetic analysis of defective plasmid formation by N-deficient phage lambda chromosomes. Hadfield C, et al. **J Gen Microbiol** 1984 Oct;130 (Pt 10):2501-13

Functions antagonistic to plasmid formation by lambda N-chromosomes. Hadfield C, et al. **J Gen Microbiol** 1984 Oct; 130 (Pt 10):2515-26

The isolation of lambda phage carrying DNA from the histidine and isoleucine-valine regions of the Bacillus subtilis chromosome. Walton DA, et al. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1577-86

Extent of sequence homology required for bacteriophage lambda site-specific recombination. Bauer CE, et al. **J Mol Biol** 1985 Jan 20;181(2):187-97

Recombinational hotspot activity of Chi-like sequences. Cheng KC, et al. **J Mol Biol** 1984 Dec 5;180(2):371-7

Long range base-pairing in the leftward transcription unit of bacteriophage lambda. Characterization by electron microscopy and computer-aided sequence analysis. Edlind TD, et al. **J Mol Biol** 1984 Nov 5;179(3):351-65

An Escherichia coli mutant unable to support site-specific recombination of bacteriophage lambda. Kikuchi A, et al. **J Mol Biol** 1985 May 25;183(2):129-40

Sequence of the left end of phage 21 DNA. Miller G, et al. **J Mol Biol** 1985 May 25;183(2):246-9

The nusA recognition site. Alteration in its sequence or position relative to upstream translation interferes with the action of the N antitermination function of phage lambda. Olson ER, et al. **J Mol Biol** 1984 Dec 25;180(4):1053-63

Mutations that alter the DNA binding site for the bacteriophage lambda cII protein and affect the translation efficiency of the cII gene. Place N, et al. **J Mol Biol** 1984 Dec 25;180(4):865-80

Sequences essential for IS50 transposition. The first base-pair. Sasakawa C, et al. **J Mol Biol** 1985 Apr 20;182(4):487-93

The OR control system of bacteriophage lambda. A physical-chemical model for gene regulation. Shea MA, et al. **J Mol Biol** 1985 Jan 20;181(2):211-30

In phage lambda, cos is a recombinator in the red pathway. Stahl FW, et al. **J Mol Biol** 1985 Jan 20;181(2):199-209

Involvement of DNA polymerase III in UV-induced mutagenesis of bacteriophage lambda. Brotcorne-Lannoye A, et al. **MGG** 1985;199(1):64-9

An integration-proficient int mutant of bacteriophage lambda. Enquist LW, et al. **MGG** 1984;195(1-2):62-9

Application of phage lambda technology to Salmonella typhimurium. Construction of a lambda-sensitive Salmonella strain. Harkki A, et al. **MGG** 1984; 195(1-2):256-9

Recombination in the lambda repressor gene: evidence that very short patch (VSP) mismatch correction restores a specific sequence. Lieb M. **MGG** 1985;199(3):465-70

RecA protein--promoted lambda repressor cleavage: complementation between RecA441 and RecA430 proteins in vitro. Moreau PL, et al. **MGG** 1984;198(1):25-34

Gene fusions to the ptsM/pel locus of Escherichia coli. Palva ET, et al. **MGG** 1985;199(3):427-33

Bacteriophage lambda replication proteins: formation of a mixed oligomer and binding to the origin of lambda DNA. Zylicz M, et al. **MGG** 1984;196(3):401-6

Bacteriophage lambda vector for transducing a cDNA clone library into mammalian cells. Okayama H, et al. **Mol Cell Biol** 1985 May;5(5):1136-42

Induction of lambda prophage by furazolidone. Pal AK, et al. **Mutat Res** 1985 Apr-May;156(1-2):69-75

Genetic analysis of clear-plaque mutations induced in bacteriophage lambda by 9-aminoacridine. Pons FW. **Mutat Res** 1984 Dec;129(3):311-7

Resolution of synthetic att-site Holliday structures by the integrase protein of bacteriophage lambda. Hsu PL, et al. **Nature** 1984 Oct 25-31;311(5988):721-6

The extent of DNA sequence required for a functional bacterial attachment site of phage lambda. Mizuuchi M, et al. **Nucleic Acids Res** 1985 Feb 25;13(4):1193-208

Site-specificity of abnormal excision: the mechanism of formation of a specialized transducing bacteriophage lambda plac5. Shpakovski GV, et al. **Nucleic Acids Res** 1984 Sep 11;12(17):6779-95

Evolutionary coorigin of the RNA polymerase sigma factor and the lambda repressor inferred from gene nucleotide sequence homologies. Ohnishi K. **Nucleic Acids Symp Ser** 1984;(15):189-92

A small mobilizable IncP group plasmid vector packageable into bacteriophage lambda capsids in vitro. Selvaraj G, et al. **Plasmid** 1985 Jan;13(1):70-4

Extension of bacteriophage lambda host range: selection, cloning, and characterization of a constitutive lambda receptor gene. de Vries GE, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6080-4

Specialized nucleoprotein structures at the origin of replication of bacteriophage lambda: complexes with lambda O protein and with lambda O, lambda P, and Escherichia coli DnaB proteins. Dodson M, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(14):4678-82

Altered Cro repressors from engineered mutagenesis of a synthetic cro gene. Eisenbeis SJ, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1084-8

NH2-terminal arm of phage lambda repressor contributes energy and specificity to repressor binding and determines the effects of operator mutations. Eliason JL, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2339-43

Genetic recombination can generate altered restriction specificity. Fuller-Pace FV, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6095-9

Effect of single amino acid replacements on the thermal stability of the NH2-terminal domain of phage lambda repressor. Hecht MH, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5685-9

A cII-dependent promoter is located within the Q gene of bacteriophage lambda. Hoopes BC, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3134-8

Initiation of DNA replication on single-stranded DNA templates catalyzed by purified replication proteins of bacteriophage lambda and Escherichia coli. LeBowitz JH, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):3988-92

Evidence for inclusion of regions of nonhomology in heteroduplex products of bacteriophage lambda recombination. Lichten M, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7180-4

Maximizing gene expression from plasmid vectors containing the lambda PL promoter: strategies for overproducing transcription termination factor rho. Mott JE, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):88-92

In vitro regulation of phage lambda cII gene expression by Escherichia coli integration host factor. Peacock S, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6009-13

Enhanced recombination between lambda plac5 and F42lac: identification of cis- and trans-acting factors. Seifert HS, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7500-4

Kinetic analysis of mutations affecting the cII activation site at the PRE promoter of bacteriophage lambda. Shih MC, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6432-6

NEWARK PUBLIC LIBRARY

Multiple initiation sites of DNA replication flanking the origin region of lambda dv genome. Tsurimoto T, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(23):7402-6

Dynamic filtering by two-dimensional 1H NMR with application to phage lambda repressor. Weiss MA, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6019-23

Propagation of some human DNA sequences in bacteriophage lambda vectors requires mutant Escherichia coli hosts. Wyman AR, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2880-4

Thermosensitivity of a DNA recognition site: activity of a truncated nutL antiterminator of coliphage lambda. Peltz SW, et al. **Science** 1985 Apr 5;228(4695):91-3

The role of gene O protein in the replication of bacteriophage lambda. Erdile L, et al. **Virology** 1984 Nov;139(1):97-108

Reinitiation during lambda DNA replication resulting from either cis-Pt treatment or infection of a P2 lysogenic strain. Schnös M, et al. **Virology** 1985 Sep;145(2):304-12

Involvement of the htpR gene product of Escherichia coli in phage lambda development. Waghorne C, et al. **Virology** 1985 Feb;141(1):51-64

[Synthesis of a 33-member polynucleotide containing the 'core' att site of phage lambda DNA and its cloning] Kravchenko VV, et al. **Bioorg Khim** 1984 Feb;10(2):220-5 (Eng. Abstr.) **(Rus)**

[Structure of a recombination site in the transducing bacteriophage lambda plac5 DNA] Shpakovskiĭ GV, et al. **Bioorg Khim** 1983 May;9(5):711-3 (Eng. Abstr.) **(Rus)**

[Construction of a gene library using partial filling of DNA sticky ends] Zabarovskiĭ ER, et al. **Bioorg Khim** 1985 Jun; 11(6):849-52 (Eng. Abstr.) **(Rus)**

[Phagemids in genetic engineering: an analysis of gene clonotheques] Mel'nikov AA, et al. **Dokl Akad Nauk SSSR** 1985;280(6):1437-41 **(Rus)**

[Formation and genetic structure of polylysogens for lambda and phi 80 and their lambda att80 hybrid infecting wild-type Escherichia coli] Kholodiĭ GIa, et al. **Genetika** 1985 Apr;21(4):530-40 (Eng. Abstr.) **(Rus)**

[Mechanism of non-tandem integration of prophage phi 80 into the chromosome of the wild-type Escherichia coli] Kholodiĭ GIa, et al. **Genetika** 1985 May;21(5):707-15 (Eng. Abstr.) **(Rus)**

[Isolation of Escherichia coli K-12 mutants that affect the development of phage phi m173 (imm phi 80)] Odoevskaia ER, et al. **Genetika** 1985 Apr;21(4):673-5 (Eng. Abstr.) **(Rus)**

[Integration of the related prophages lambda, phi 80 and their hybrid lambda att80 into the secondary chromosomal att sites of wild-type Escherichia coli] Kholodiĭ GIa, et al. **Genetika (Moskva)** 1985 Jan;21(1):46-53 (Eng. Abstr.) **(Rus)**

[Lambda plasmidophages and their properties] Mel'nikov AA, et al. **Mol Biol (Mosk)** 1985 May-Jun;19(3):610-6 (Eng. Abstr.) **(Rus)**

[Comparative analysis of recombinant bacteriophages containing the sequences of the chromosomal ceruloplasmin gene in the rat] Shvartsman AL, et al. **Mol Biol (Mosk)** 1985 Mar-Apr;19(2):496-504 (Eng. Abstr.) **(Rus)**

[Weakening of bacteriophage lambda EcoK DNA restriction in the presence of plasmid pKM101 ard+. I. General characteristics and genetic localization] Zavil'gel'skiĭ GB, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1590-6 (Eng. Abstr.) **(Rus)**

[Regulation of integrative recombination in bacteriophage lambda] Guarneros G. **Rev Latinoam Microbiol** 1984 Jul-Sep;26(3):285-9 **(Spa)**

GROWTH & DEVELOPMENT

Protection of nonmodified phage lambda against EcoK restriction mediated by recA protein. Koukalová B, et al. **Folia Microbiol (Praha)** 1985;30(1):17-24

The maturation of coliphage lambda DNA in the absence of its packaging. Murialdo H, et al. **Gene** 1984 Oct; 30(1-3):183-94

Efficiency of induction of prophage lambda mutants as a function of recA alleles. Dutreix M, et al. **J Bacteriol** 1985 Mar;161(3):1080-5

An accessory role for Escherichia coli integration host factor: characterization of a lambda mutant dependent upon integration host factor for DNA packaging. Bear SE, et al. **J Virol** 1984 Dec;52(3):966-72

Prophage lambda induction caused by mini-F plasmid genes. Mori H, et al. **MGG** 1984;196(2):185-93

Interactions of bacteriophage and host macromolecules in the growth of bacteriophage lambda. Friedman DI, et al. **Microbiol Rev** 1984 Dec;48(4):299-325 (283 ref.)

Influence of the recB21 mutation of Escherichia coli K12 on prophage lambda induction. Simić D, et al. **Mutat Res** 1985 Apr;142(4):159-62

Weigle reactivation of phage lambda in a recA mutant of Escherichia coli: dependence on the excess amounts of photoreactivating enzyme in the dark. Yamamoto K, et al. **Mutat Res** 1985 May;145(3):137-44

METABOLISM

Initiation of DNA synthesis on single-stranded DNA templates in vitro promoted by the bacteriophage lambda O and P replication proteins. LeBowitz JH, et al. **Adv Exp Med Biol** 1984;179:77-89

Productive phage infection in Escherichia coli with reduced internal levels of the major cations. Kuhn A, et al. **J Bacteriol** 1985 Sep;163(3):906-12

Effect of bacteriophage P1 lysogeny on lipopolysaccharide composition and the lambda receptor of Escherichia coli. Tomás JM, et al. **J Bacteriol** 1984 Sep;159(3):1047-52

Integration of bacteriophages lambda and phi 80 in wild-type Escherichia coli at secondary attachment sites. I. Formation of secondary lysogens. Kholodii GYa, et al. **MGG** 1984; 197(1):104-8

Interaction of the lambda site-specific recombination protein Xis with attachment site DNA. Yin S, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1040-4

PHYSIOLOGY

Integration of bacteriophages lambda and phi 80 in wild-type Escherichia coli at secondary attachment sites. II. Genetic structure and mechanism of polylysogen formation for lambda, phi 80 and the lambda att80 hybrid. Kholodii GY, et al. **MGG** 1985;198(3):491-6

RADIATION EFFECTS

Distribution of S1-nuclease sensitive sites and double-strand breaks in gamma-irradiated lambda-DNA. Junker B, et al. **Int J Radiat Biol** 1984 Dec;46(6):675-9

Prophage inactivation in recB-proficient Escherichia coli K12 (lambda) lysogens after ultraviolet irradiation. Petranović M, et al. **MGG** 1984;196(1):167-9

[A method of estimating the effectiveness of ionizing radiation and magnetic fields for phage induction in lysogenic bacterial culture] Anosova MG, et al. **Radiobiologiia** 1985 Mar-Apr;25(2):258-60 (Eng. Abstr.) **(Rus)**

[Lethal and mutagenic action of incorporated 5-3H-cytosine on extracellular phage lambda] Konevega LV, et al. **Radiobiologiia** 1985 May-Jun;25(3):319-23 (Eng. Abstr.) **(Rus)**

PHAGE MU 1

GENETICS

A truncated form of the bacteriophage Mu B protein promotes conservative integration, but not replicative transposition, of Mu DNA. Chaconas G, et al. **Cell** 1985 Jul;41(3):857-65

Mechanism of transposition of bacteriophage Mu: structure of a transposition intermediate. Craigie R, et al. **Cell** 1985 Jul;41(3):867-76

G inversion in bacteriophage Mu DNA is stimulated by a site within the invertase gene and a host factor. Kahmann R, et al. **Cell** 1985 Jul;41(3):771-80

Mapping and properties of the gam and sot genes of phage mu: their possible roles in recombination. Akroyd J, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:261-6

Transposition of bacteriophage mu DNA: expression of the A and B proteins from lambda pL and analysis of infecting mu DNA. Chaconas G, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:279-84

Nonreplicative DNA transposition: integration of infecting bacteriophage mu. Harshey RM. **Cold Spring Harbor Symp Quant Biol** 1984;49:273-8

Substrate and enzyme requirements for in vitro site-specific recombination in bacteriophage mu. Kahmann R, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:285-94

Comparative analysis of invertible DNA in phage genomes. Kamp D, et al. **Cold Spring Harbor Symp Quant Biol** 1984; 49:301-11

On the mu repressor and early DNA intermediates of transposition. Krause HM, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:827-34

The mechanism of transposition of bacteriophage mu. Mizuuchi K, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:835-8

Analysis of the regulation of the transposition functions of bacteriophage mu by using gene fusions. Patterson TA, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:267-72

Inversion of DNA in vivo and in vitro by gin and pin proteins. Plasterk RH, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:295-300

Programming of DNA rearrangements involving mu prophages. Shapiro JA, et al. **Cold Spring Harbor Symp Quant Biol** 1984;49:313-20

Comparison of left-end DNA sequences of bacteriophages Mu and D108. Bukhari AI, et al. **Gene** 1985;33(2):235-9

A novel deletion found during cloning of a synthetic palindromic DNA. Goodchild J, et al. **Gene** 1985; 33(3):367-71

Regulation of Mu transposition. II. The escherichia coli HimD protein positively controls two repressor promoters and the early promoter of bacteriophage Mu. Goosen N, et al. **Gene** 1984 Dec;32(3):419-26

Regulation of Mu transposition. I. Localization of the presumed recognition sites for HimD and Ner functions controlling bacteriophage Mu transcription. Goosen N, et al. **Gene** 1984 Oct;30(1-3):41-6

Directed formation of deletions and duplications using Mud(Ap, lac). Hughes KT, et al. **Genetics** 1985 Feb; 109(2):263-82

Host DNA replication forks are not preferred targets for bacteriophage Mu transposition. Nakai H, et al. **J Bacteriol** 1985 Jul;163(1):282-90

Cloning of the A gene of bacteriophage Mu and purification of its product, the Mu transposase. Craigie R, et al. **J Biol Chem** 1985 Feb 10;260(3):1832-5

Hek: an Escherichia coli function involved in functional expression of the kil gene of bacteriophage Mu. Goosen N, et al. **MGG** 1984;196(1):170-2

Transduction of multi-copy plasmid pBR322 by bacteriophage Mu. Teifel-Greding J. **MGG** 1984; 197(1):169-74

Transposition without duplication of infecting bacteriophage Mu DNA. Harshey RM. **Nature** 1984 Oct 11-17; 311(5986):580-1

Preferential binding of bacteriophage Mu repressor to supercoiled Mu DNA. Roulet E, et al. **Plasmid** 1985 May; 13(3):173-81

DNA sequences at the ends of the genome of bacteriophage Mu essential for transposition. Groenen MA, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2087-91

METABOLISM

Analysis of mu DNA replicated on cellophane discs. Higgins NP, et al. **Adv Exp Med Biol** 1984;179:63-7

Replication of bacteriophage mu and its mini-mu derivatives. Resibois A, et al. **Adv Exp Med Biol** 1984;179:69-76

PHAGE MU 2 see **RNA PHAGES**

PHAGE PHI X 174

Sites of gamma radiation-induced DNA strand breaks after alkali treatment. Duplaa AM, et al. **Int J Radiat Biol** 1985 Jul;48(1):19-32

Adduct formation is involved in radiosensitization, mediated by cytochrome c, of phi X174 DNA by misonidazole. Lafleur MV, et al. **Int J Radiat Biol** 1985 Apr;47(4):379-82

Reaction rate of OH radicals with phi X174 DNA: influence of salt and scavenger. van Rijn K, et al. **Int J Radiat Biol** 1985 Mar;47(3):309-17

Eclipse kinetics as a probe of quaternary structure in bacteriophage phi X174. Incardona NL, et al. **J Mol Biol** 1985 Feb 20;181(4):479-86

DNA tertiary structure of disk-shaped toruses: an in vitro viral DNA model system. Marx KA, et al. **Prog Clin Biol Res** 1985;172A:131-40

ANALYSIS

Subcellular localization of lethal lysis proteins of bacteriophages lambda and phiX174. Altman E, et al. **J Virol** 1985 Mar;53(3):1008-11

DRUG EFFECTS

The role of bivalent ions in the inactivation of bacteriophage phi X174 by lipopolysaccharide from Escherichia coli C. Rowatt E. **Biochem J** 1984 Oct 1;223(1):23-9

GENETICS

Effect of variations in the conditions of DNA synthesis upon the accuracy of DNA replication. Razzaki T, et al. **Basic Life Sci** 1985;31:175-87

IgG binding enhances DNAase I sensitivity of N-acetoxy-N-2-acetylaminofluorene-modified phi X-174 RF DNA. Bases R, et al. **Biochim Biophys Acta** 1985 May 24;825(1):80-8

The complete 30-base-pair origin region of bacteriophage phi X174 in a plasmid is both required and sufficient for in vivo rolling-circle DNA replication and packaging. Fluit AC, et al. **Eur J Biochem** 1985 Jun 18;149(3):579-84

Use of a cloned bacteriophage gene to disrupt bacteria. Henrich B, et al. **J Biochem Biophys Methods** 1984 Nov; 10(1-2):25-34

Effects of genome size on bacteriophage phi X174 DNA packaging in vitro. Aoyama A, et al. **J Biol Chem** 1985 Sep 15;260(20):11033-8

Lysis of Escherichia coli by cloned phi X174 gene E depends on its expression. Bläsi U, et al. **J Gen Microbiol** 1985 May; 131 (Pt 5):1107-14

Influence of C-terminal modifications of phi X174 lysis gene E on its lysis-inducing properties. Bläsi U, et al. **J Gen Virol** 1985 Jun;66 (Pt 6):1209-13

Mapping of transcription terminators of bacteriophages phi X174 and G4 by sequence analysis. Brendel V. **J Virol** 1985 Jan;53(1):340-2

Expression of the cloned bacteriophage phi X174 A* gene in Escherichia coli inhibits DNA replication and cell division. Colasanti J, et al. **J Virol** 1985 Mar;53(3):807-13

Construction and properties of a ribosome-binding site mutation in gene E of luminal diameter X174 bacteriophage. Gillam S, et al. **J Virol** 1984 Dec;52(3):892-6

Gene K of bacteriophage phi X174 codes for a protein which affects the burst size of phage production. Gillam S, et al. **J Virol** 1985 Feb;53(2):708-9

The J gene of bacteriophage phi X174: in vitro analysis of J protein function. Hamatake RK, et al. **J Virol** 1985 May; 54(2):345-50

Construction of bacteriophage luminal diameterX174 mutants with maximum genome sizes. Russell PW, et al. **J Virol** 1984 Dec;52(3):822-7

Modulation of gene expression in Escherichia coli infected with single-stranded bacteriophage phi X174. Ghosh A, et al. **MGG** 1985;198(2):304-8

Cloned DNA sequences that determine mRNA stability of bacteriophage phi X174 in vivo are functional. Hayashi MN, et al. **Nucleic Acids Res** 1985 Aug 26;13(16):5937–48

On the fidelity of DNA polymerase alpha: the influence of alpha-thio dNTPs, Mn2+ and mismatch repair. Rienitz A, et al. **Nucleic Acids Res** 1985 Aug 12;13(15):5685–95

Deletion of C-terminal amino acid codons of PhiX174 gene E: effect on its lysis inducing properties. Schüller A, et al. **Nucleic Acids Res** 1985 Jun 11;13(11):4143–53

[The type of covalent bond in a natural complex of the bacteriophage phi X 174 protein A* and nucleotides] Zolotukhin AS, et al. **Bioorg Khim** 1984 Aug;10(8):1109–13 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antibody to bacteriophage phi X 174 synthesized by cultured human peripheral blood lymphocytes. Bohnsack J, et al. **Clin Exp Immunol** 1985 Mar;59(3):673–8

Different Z DNA forming sequences are revealed in phi X174 RFI by high resolution darkfield immuno-electron microscopy. Revet B, et al. **EMBO J** 1984 Dec 20; 3(13):3353–8

METABOLISM

Gene A protein interacting with recombinant plasmid DNAs containing 25–30 b.p. of the phi X174 replication origin. Fluit AC, et al. **Adv Exp Med Biol** 1984;179:231–40

Replication of phi X174 DNA by calf thymus DNA polymerase-alpha: measurement of error rates at the amber-16 codon. Grosse F, et al. **Adv Exp Med Biol** 1984; 179:535–40

Gene A protein of bacteriophage phi X174 is a highly specific single-strand nuclease and binds via a tyrosyl residue to DNA after cleavage. Van Mansfeld AD, et al. **Adv Exp Med Biol** 1984;179:221–30

Bacteriophage phi X 174 A protein binds in vitro to the phage phi X 174 DNA by a phosphodiester bond via a tyrosine residue. Zolotukhin AS, et al. **Biochem Int** 1984 Dec; 9(6):799–806

Breakage of single-stranded DNA by eukaryotic type 1 topoisomerase occurs only at regions with the potential for base-pairing. Been MD, et al. **J Mol Biol** 1984 Dec 15;180(3):515–31

Bacteriophage phi X174 A protein cleaves single-stranded DNA and binds to it covalently through a tyrosyl-dAMP phosphodiester bond. Sanhueza S, et al. **J Virol** 1985 Feb; 53(2):695–7

[The in vivo formation of covalent compounds of bacteriophage phi X 174 protein A with nucleotides depends on phage DNA replication] Zolotukhin AS, et al. **Dokl Akad Nauk SSSR** 1985 Jul–Aug;283(1):213–5 **(Rus)**

PHAGE RECEPTORS see **RECEPTORS, VIRUS**

PHAGES, RNA see **RNA PHAGES**

PHAGES T see **T-PHAGES**

PHAGOCYTE BACTERICIDAL DYSFUNCTION

BLOOD

Deficiency in C3b receptors on neutrophils of patients with chronic granulomatous disease and hyperimmunoglobulin-E recurrent infection (Job's) syndrome. Gaither TA, et al. **Inflammation** 1984 Dec; 8(4):429–44

COMPLICATIONS

Mastocytosis and the hyperimmunoglobulin E syndrome [letter] Harwell WB. **Ann Intern Med** 1985 Oct;103(4):641

Gingivitis and oral ulceration in patients with neutrophil dysfunction. Charon JA, et al. **J Oral Pathol** 1985 Feb; 14(2):150–5

[Generalized BCG infection, expression of multifactorial deficiency of intramacrophage bactericidal action. Anatomo-clinical study of 11 cases] Scoazec JY, et al. **Arch Fr Pediatr** 1984 Dec;41(10):681–7 (Eng. Abstr.) **(Fre)**

[Characteristics of the clinical course of erysipelas and various indicators of nonspecific resistance in middle-aged patients] Kriukova ZV, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):48–50 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Characteristics of disorders of phagocytic reactions of neutrophils in patients with pyoderma. Mechanisms of their development and the structure of causative factors] Lesnitskii AI. **Vestn Dermatol Venerol** 1984 Dec;(12):9–13 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial defect of polymorph neutrophil phagocytosis associated with absence of a surface glycoprotein antigen (OKMI). Thompson RA, et al. **Clin Exp Immunol** 1984 Oct;58(1):229–36

IMMUNOLOGY

Immunoglobulins in the hyperimmunoglobulin E and recurrent infection (Job's) syndrome. Deficiency of anti-Staphylococcus aureus immunoglobulin A. Dreskin SC, et al. **J Clin Invest** 1985 Jan;75(1):26–34

Increased susceptibility to infection in hypothermic children: possible role of acquired neutrophil dysfunction. Clardy CW, et al. **Pediatr Infect Dis** 1985 Jul–Aug;4(4):379–82

[Hypergammaglobulinemia E. (Buckley's syndrome). Presentation of a case] Rosales V, et al. **Alergia** 1984 Oct–Dec;31(4):125–30 (Eng. Abstr.) **(Spa)**

METABOLISM

Abnormal fluorescent actin pattern of lazy phagocyte syndromes. Foroozanfar N, et al. **Diagn Immunol** 1984; 2(1):25–9

PHYSIOPATHOLOGY

[Granulocyte function in Duchenne's progressive muscular dystrophy] Adami Lami C, et al. **Quad Sclavo Diagn** 1984 Dec;20(4):460–8 (Eng. Abstr.) **(Ita)**

PHAGOCYTES

Chemiluminescence and superoxide anions generated by phagocytes in uraemia [letter] Wardle EN. **Nephron** 1985; 40(3):379

Ultrastructural evidence for phagocytosis by oligodendroglia. Triarhou LC, et al. **Neurosci Lett** 1985 Jan 21;53(2):185–9

[The 100-year-old phagocyte theory in the light of recent findings] Karasszon D. **Orv Hetil** 1984 Dec 23; 125(52):3185–7 **(Hun)**

ANALYSIS

Evaluation of flow cytometry and fluorescence microscopy for the estimation of bovine mononuclear phagocytes. Matsson P, et al. **J Immunol Methods** 1985 Apr 8; 78(1):13–24

In vitro effect of phagocyte cationic peptides on Coccidioides immitis. Segal GP, et al. **J Infect Dis** 1985 May;151(5):890–4

CLASSIFICATION

Increased number of phagocytic cells among the peripheral blood lymphocytes of mammary tumor patients. Süss J, et al. **Allerg Immunol (Leipz)** 1984;30(3):183–7

CYTOLOGY

[Identification of mononuclear phagocytes by means of latex-particle and IgG-opsonized latex particle phagocytosis and nonspecific esterase staining] Fattorossi A, et al. **Ric Clin Lab** 1984;14 Suppl 2:101–4 **(Ita)**

DRUG EFFECTS

Interference of antimicrobial agents in some reactions of host-defense system. Gialdroni-Grassi G, et al. **Ala J Med Sci** 1985 Apr;22(2):144–8

Influence of ceftriaxone on natural defense systems. Gialdroni Grassi G, et al. **Am J Med** 1984 Oct 19;77(4C):37–41

Elimination of phagocytic cells in the spleen after intravenous injection of liposome-encapsulated dichloromethylene diphosphonate. An enzyme-histochemical study. van Rooijen N, et al. **Cell Tissue Res** 1984;238(2):355–8

In vivo study of xibornol on phagocyte functions. Zanon P, et al. **Chemioterapia** 1984 Jun;3(3):156–8

Lymphocytosis-promoting factor of Bordetella pertussis alters mononuclear phagocyte circulation and response to inflammation. Meade BD, et al. **Infect Immun** 1984 Dec; 46(3):733–9

In vitro determination of phagocyte activity by luminol- and lucigenin-amplified chemiluminescence. Müller-Peddinghaus R. **Int J Immunopharmacol** 1984; 6(5):455–66

Effect of LPS on the oxidative metabolism of peritoneal and spleen cells from LPS sensitive and resistant mice. Feuillet-Fieux MN, et al. **J Clin Lab Immunol** 1984 Nov; 15(3):155–61

Effects of a Fusobacterium nucleatum extract on immunoregulation in mice. Yoshie H, et al. **J Dent Res** 1985 Mar;64(3):431–6

Phagocyte function evaluation following exposure to test agents. McCoy JL, et al. **Prog Clin Biol Res** 1984; 161:259–63

Enhanced intraphagocytic killing of Brucella abortus in bovine mononuclear cells by liposomes-containing gentamicin. Dees C, et al. **Vet Immunol Immunopathol** 1985 Jan;8(1–2):171–82

[Metabolism and function of phagocytes after combined administration of immunosuppressants and biologically active substances] Shcherbakova EG, et al. **Antibiotiki** 1984 Dec;29(12):907–13 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Direct measurement of phagolysosomal esterase activity. Uchida T, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):584–9

Increases in cathepsins B and L and thiol proteinase inhibitor in muscle of dystrophic hamsters. Their localization in invading phagocytes. Kominami E, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1841–8

Endogenous peroxidase activity in mononuclear phagocytes. Deimann W. **Prog Histochem Cytochem** 1984;15(2):1–58 (143 ref.)

[Phospholipase activity of the membrane fraction of phagocytes in relation to its antibacterial property] Kondo E, et al. **Kekkaku** 1984 Jun;59(6):395–402 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Phagocytic cells in host defence. Solberg CO. **Acta Otolaryngol [Suppl] (Stockh)** 1984;407:5–13

The mononuclear phagocyte system of the mouse defined by immunohistochemical localisation of antigen F4/80: macrophages associated with epithelia. Hume DA, et al. **Anat Rec** 1984 Nov;210(3):503–12

Carbohydrates as recognition determinants in phagocytosis and in lectin-mediated killing of target cells. Sharon N. **Biol Cell** 1984;51(2):239–45 (58 ref.)

Novel fluorescence method to visualize antibody-dependent hydrogen peroxide-associated 'killing' of liposomes by phagocytes. Petty HR, et al. **Biophys J** 1985 Jun; 47(6):837–40

Effects of mononuclear phagocyte system modulating agents on Fc and C3 receptors of adherent cells. Hitomi M, et al. **Br J Exp Pathol** 1985 Jun;66(3):371–6

The twitcher mouse: positive immunohistochemical staining of globoid cells with monoclonal antibody against Mac-1 antigen. Kobayashi S, et al. **Brain Res** 1985 May; 352(1):49–54

Accessory cell function of cells of the mononuclear phagocyte system isolated from mycobacterial granulomas. Gupta S, et al. **Cell Immunol** 1985 Apr 1;91(2):425–33

Replenishing the starved patient. When do lung immune cells recover? [editorial] Shennib H, et al. **Chest** 1985 Feb; 87(2):138–9

Defects in mononuclear phagocytic system (MPS) function in autoimmune MRL-lpr/lpr mice. Jones FS, et al. **Clin Immunol Immunopathol** 1985 Jul;36(1):30–9

Chemiluminescence by peripheral blood phagocytes from channel catfish: function of opsonin and temperature. Scott AL, et al. **Dev Comp Immunol** 1985 Spring;9(2):241–50

The heterogeneity of mononuclear phagocytes in lymphoid organs: distinct macrophage subpopulations in the rat recognized by monoclonal antibodies ED1, ED2 and ED3. Dijkstra CD, et al. **Immunology** 1985 Mar;54(3):589–99

Effect of age on different receptors and functions of phagocytic cells. Bongrand P, et al. **J Clin Lab Immunol** 1984 Sep;15(1):45–50

Depressed mononuclear cell phagocytic activity associated with menstruation. Stratton JA, et al. **J Clin Lab Immunol** 1984 Nov;15(3):127–31

Association of resistance of Neisseria gonorrhoeae to killing by human phagocytes with outer-membrane proteins of about 20 kilodaltons. Parsons NJ, et al. **J Gen Microbiol** 1985 Mar;131 (Pt 3):601–10

Thymic reticulum in mice. IV. The rosette formation between phagocytic cells of the thymic reticulum and cortical type thymocytes is mediated by complement receptor type three. el Rouby S, et al. **J Immunol** 1985 Jun;134(6):3625–31

Anti-My-26: a monoclonal antibody inhibiting human phagocyte chemiluminescence. Warren JT, et al. **J Immunol** 1985 Mar;134(3):1827–35

Interactions of phagocytes with the Lyme disease spirochete: role of the Fc receptor. Benach JL, et al. **J Infect Dis** 1984 Oct;150(4):497–507

Intracellular and extracellular defenses of human phagocytes against Blastomyces dermatitidis conidia and yeasts. Drutz DJ, et al. **J Lab Clin Med** 1985 Jun;105(6):737–50

Enhancement of hamster alveolar macrophage phagocytic activity by lymphokines. Widen RH, et al. **J Leukocyte Biol** 1985 Mar;37(3):349–58

In vitro cytolysis of MM46 tumor cells by mouse phagocytes activated by acidic mannan fraction of bakers' yeast. Hashimoto K, et al. **J Pharmacobiodyn** 1984 Jul;7(7):472–8

Origin of the rat mesangial phagocyte and its expression of the leukocyte common antigen. Schreiner GF, et al. **Lab Invest** 1984 Nov;51(5):515–23

Activating factors for nonspecific and antibody-dependent cytotoxicity by human and murine mononuclear phagocytes. Ralph P. **Lymphokine Res** 1984 Summer; 3(4):153–61 (56 ref.)

Relationship of glomerular phagocytic cells to immune complexes and DNA autoantibodies in NZB/W mice. Cronin NA, et al. **Pathology** 1985 Jan;17(1):96–100

The phagocytic cell: summary. Wilson ME, et al. **Rev Infect Dis** 1985 May–Jun;7(3):387–9

Mononuclear phagocyte receptors in rhesus monkeys (Macaca mulatta) and their role in hemolytic disease of the newborn. Stong RC, et al. **Vet Immunol Immunopathol** 1984 Sep;7(2):101–17

Phagocytic cell responses to in vivo and in vitro exposure to the Lyme disease spirochete. Benach JL, et al. **Yale J Biol Med** 1984 Jul–Aug;57(4):599–605

[Separation and differentiation of immunocompetent cells in swine and cattle] Buschmann HG. **Zentralbl Veterinarmed [B]** 1984 Sep;31(8):603–22 (80 ref.) (Eng. Abstr.) **(Ger)**

[Study of morphofunctional characteristics of monocytes for evaluation of the changes in the mononuclear phagocyte system in silicosis] Rendel' EI. **Gig Tr Prof Zabol** 1984 Dec;(12):24–7 (Eng. Abstr.) **(Rus)**

NEWARK PUBLIC LIBRARY

[Effect of surgery on a patient's phagocyte system] Belotskil SM, et al. **Khirurgiia (Mosk)** 1985 Feb;(2):92–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Oxidants from phagocytes: agents of defense and destruction. Babior BM. **Blood** 1984 Nov;64(5):959–66 (119 ref.)

Oxygen metabolism of phagocytosing human polymorphonuclear leucocytes in diabetes mellitus. Markert M, et al. **Blut** 1984 Dec;49(6):447–55

Impaired metabolic activity of phagocytic cells after anaesthesia and surgery. Bardosi L, et al. **Br J Anaesth** 1985 May;57(5):520–3

Human monocyte cytotoxin is not identical with lymphoblastoid lymphotoxin. Matthews N. **Eur J Immunol** 1985 Mar;15(3):311–3

Blood clearance and tissue localization of soluble aggregates of IgG in NZB/W and NZB mice. Knutson DW, et al. **Immunology** 1985 Mar;54(3):439–48

Opposite effects of a glucocorticoid and an immunostimulating agent on prostaglandin production by two different cell types. Durant S, et al. **Int J Tissue React** 1985;7(2):117–22

Asparagine-linked oligosaccharides on formyl peptide chemotactic receptors of human phagocytic cells. Malech HL, et al. **J Biol Chem** 1985 Feb 25;260(4):2509–14

Generation of nitrogen-chlorine oxidants by human phagocytes. Test ST, et al. **J Clin Invest** 1984 Oct; 74(4):1341–9

Oxygen metabolism in phagocytes of leprotic patients: enhanced endogenous superoxide dismutase activity and hydroxyl radical generation by clofazimine. Niwa Y, et al. **J Clin Microbiol** 1984 Nov;20(5):837–42

Prostaglandin production by phagocytic cells of the mouse thymic reticulum in culture and its modulation by indomethacin and corticosteroids. Homo-Delarche F, et al. **J Immunol** 1985 Jul;135(1):506–12

Expression of 5'nucleotidase activity and wheat-germ agglutinin binding sites in mononuclear phagocytes from bone marrow cultures. de Water R, et al. **J Leukocyte Biol** 1985 Mar;37(3):263–77

The fever of gout: urate crystals activate endogenous pyrogen production from human and rabbit mononuclear phagocytes. Duff GW, et al. **Trans Assoc Am Physicians** 1983;96:234–45

Nitroblue tetrazolium reduction test and serum lysozyme assay in newborn Arabian foals and mares. Frymus T, et al. **Zentralbl Veterinarmed [B]** 1985 Apr;32(4):280–6

MICROBIOLOGY

Transformation of mononuclear phagocytes in vivo and malignant histiocytosis caused by a novel murine spleen focus-forming virus. Franz T, et al. **Nature** 1985 May 9–15; 315(6015):149–51

PARASITOLOGY

Interactions between Toxoplasma and host phagocytes. Nichols BA. **Int Ophthalmol Clin** 1985 Summer;25(2):71–80

Mechanisms of survival of protozoan parasites in mononuclear phagocytes. Mauel J. **Parasitology** 1984 Aug; 88 (Pt 4):579–92 (60 ref.)

PATHOLOGY

Inflammatory cells and their subsets in lesions of juvenile periodontitis. A family study. Syrjänen S, et al. **Acta Odontol Scand** 1984 Oct;42(5):285–92

Functional defects in phagocytic cells following thermal injury. Application of flow cytometric analysis. Duque RE, et al. **Am J Pathol** 1985 Jan;118(1):116–27

Cytophagic histiocytic panniculitis. A variant of malignant histiocytosis. Barron DR, et al. **Cancer** 1985 Jun 1; 55(11):2538–42

B cell lines as models for inherited phagocytic diseases: abnormal superoxide generation in chronic granulomatous disease and giant granules in Chediak-Higashi syndrome. Volkman DJ, et al. **J Immunol** 1984 Dec;133(6):3006–9

PHYSIOLOGY

The Fc-receptor function of human mononuclear phagocyte system: physiological role, alteration in immune diseases and modulation. Malaise MG, et al. **Acta Clin Belg** 1985; 40(1):27–37 (65 ref.)

Secretory functions of the mononuclear phagocyte. Scott WA, et al. **Adv Exp Med Biol** 1985;183:17–25

Simultaneous study of platelets and phagocytes in myeloproliferative disorders. Laharrague PF, et al. **Biomed Pharmacother** 1984;38(9–10):462–5

Novel fluorescence method to visualize antibody-dependent hydrogen peroxide-associated 'killing' of liposomes by phagocytes. Petty HR, et al. **Biophys J** 1985 May; 47(5):731–4

The mononuclear phagocyte system in granulomas. Turk JL. **Br J Dermatol** 1985 Jul;113 Suppl 28:49–54

Failure of cells of the mononuclear phagocyte series to resorb bone. Chambers TJ, et al. **Calcif Tissue Int** 1984 Sep; 36(5):556–8

Bacterial growth and killing in chronic ambulatory peritoneal dialysis fluids. Verbrugh HA, et al. **J Clin Microbiol** 1984 Aug;20(2):199–203

Comparative susceptibility of group B streptococci and Staphylococcus aureus to killing by oxygen metabolites. Wilson CB, et al. **J Infect Dis** 1985 Aug;152(2):323–9

Activation of phagocytic cells' C3 receptors for phagocytosis. Wright SD, et al. **J Leukocyte Biol** 1985 Aug; 38(2):327–39 (80 ref.)

The excitable membrane of phagocytic leukocytes. Karnovsky ML, et al. **Prog Clin Biol Res** 1984;164:347–54

Phagocytes as carcinogens: malignant transformation produced by human neutrophils. Weitzman SA, et al. **Science** 1985 Mar 8;227(4691):1231–3

[Characteristics of mononuclear phagocytes in their normal state and in inflammation] van Furth R. **Folia Haematol (Leipz)** 1984;111(2):131–40 **(Ger)**

[Mononuclear phagocyte system in patients with uveitis] Tanouchi Y, et al. **Nippon Ganka Gakkai Zasshi** 1985 Mar; 89(3):453–6 (Eng. Abstr.) **(Jpn)**

[Chemiluminescent method of studying the functional activity of phagocytizing cells] Zenkov NK, et al. **Lab Delo** 1985;(1):43–5 (28 ref.) (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

In situ ultrastructural detection and quantitation of liver mononuclear phagocytes in contact with hepatocytes in chronic type B hepatitis. Bernuau D, et al. **Lab Invest** 1984 Dec;51(6):667–74

PHAGOCYTOSIS

see related
MACROPHAGES

Phagocytosis by mast cells in urticaria pigmentosa. Krüger PG, et al. **Acta Derm Venereol (Stockh)** 1984;64(5):373–7

Function of peripheral blood and bone-marrow monocytes in preleukemic patients: normal phagocytosis and intracellular killing of Candida albicans. Kletter Y, et al. **Acta Haematol (Basel)** 1984;72(6):379–83

Cytochemical characterization of mycobacterial outer surfaces. Picard B, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec;(95):227–35

Phagocytosis of Mycobacterium leprae and M. avium by armadillo lung fibroblasts and kidney epithelial cells. Rastogi N, et al. **Acta Leprol (Geneve)** 1984 Oct-Dec; (95):267–76

Familial erythrophagocytic lymphohistiocytosis. A neuropathologic study. Martin JJ, et al. **Acta Neuropathol (Berl)** 1985;66(2):140–4

Phagocytic cells in host defence. Solberg CO. **Acta Otolaryngol [Suppl] (Stockh)** 1984;407:5–13

Neutrophil phagocytosis of treponema denticola as indicated by extracellular release of lactoferrin. Hurlen B, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Jun; 92(3):171–3

The influence of antimicrobial agents on macrophage-associated Staphylococcus aureus. Nesthus I, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Jun; 93(3):189–94

Flow cytometric studies on phagocyte function in bacterial infections. Bassøe CF. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Jun; 92(3):167–71

Effect of human leukocyte and other tissue dialysates on Listeria resistance and phagocytosis in mice. Karhumäki E, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Jun;93(3):111–6

The use of frozen monocytes in phagocytosis studies. Myhrvold V, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Apr; 93(2):43–8

Phagocytosis and killing of Candida albicans by blood monocytes from patients with non-seminomatous testicular carcinoma: effect of chemotherapy. Nielsen H, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1985 Apr; 93(2):85–9

White blood cell count and adherence in sportsmen and non-training subjects. Seneczko F. **Acta Physiol Pol** 1983 Sep-Dec;34(5–6):601–10

Further studies on the application of the micromethod of phagocytosis using cadmium microcrystals as phagocytosis particles. Leipe S, et al. **Allerg Immunol (Leipz)** 1984; 30(4):230–6

Phagocytic myeloma cells. Report of a case and review of the literature. Kanoh T, et al. **Am J Clin Pathol** 1985 Jul; 84(1):121–4

Infection and phagocytosis as possible mechanisms of rupture in premature rupture of the membranes. Sbarra AJ, et al. **Am J Obstet Gynecol** 1985 Sep 1;153(1):38–43

Characterization of neutrophil iodination for the assessment of phagocytic and opsonic function in septic patients. Kellerman JS, et al. **Am J Surg** 1985 Sep;150(3):301–5

Impaired function of bovine alveolar macrophages infected with parainfluenza-3 virus. Liggitt D, et al. **Am J Vet Res** 1985 Aug;46(8):1740–4

Kinetics of phagocytosis in the normal canine iridocorneal angle. Samuelson DA, et al. **Am J Vet Res** 1984 Nov; 45(11):2359–66

Effect of in vitro inoculation of bovine respiratory syncytial virus on bovine pulmonary alveolar macrophage function. Trigo E, et al. **Am J Vet Res** 1985 May;46(5):1098–103

Bovine pulmonary alveolar macrophages: antemortem recovery and in vitro evaluation of bacterial phagocytosis and killing. Trigo E, et al. **Am J Vet Res** 1984 Sep; 45(9):1842–7

Human lung lavage surfactant enhances staphylococcal phagocytosis by alveolar macrophages. O'Neill SJ, et al. **Am Rev Respir Dis** 1984 Dec;130(6):1177–9

IgA-mediated phagocytosis by mouse alveolar macrophages. Richards CD, et al. **Am Rev Respir Dis** 1985 Jul;132(1):82–5

Redistribution of retained particles. Effect of hyperpnea. Valberg PA, et al. **Am Rev Respir Dis** 1985 Feb; 131(2):273–80

Evidence for erythrocyte-microvesiculation in vivo. Zimmermann N, et al. **Anat Anz** 1985;158(2):117–23

Phagocytosis of latex beads by the epithelial cells in the terminal region of the vas deferens of the cat: SEM and TEM study. Murakami M, et al. **Andrologia** 1984 Nov-Dec; 16(6):548–53

Sperm phagocytosis by corona cells in a human in vitro fertilization system. Pijnenborg R, et al. **Ann NY Acad Sci** 1985;442:310–7

Phagocytosis of brushite crystals by pig neutrophils. Higson FK, et al. **Ann Rheum Dis** 1985 Jan;44(1):54–60

Reduced opsonisation of protein A containing Staphylococcus aureus in sera with cryoglobulins from patients with active systemic lupus erythematosus. Nived O, et al. **Ann Rheum Dis** 1985 Apr;44(4):252–9

Cardiopulmonary bypass and host defense functions in human beings: I. Serum levels and role of immunoglobulins and complement in phagocytosis. van Velzen-Blad H, et al. **Ann Thorac Surg** 1985 Mar;39(3):207–11

Increased phagocytosis of non-parasitized red cells in Plasmodium berghei malaria. Newsome F. **Ann Trop Med Parasitol** 1984 Jun;78(3):323–5

The role of oxygen and its derivatives in microbial pathogenesis and host defense. Beaman L, et al. **Annu Rev Microbiol** 1984;38:27–48 (124 ref.)

Phagocytic defense in the lung. Reynolds HY. **Antibiot Chemother** 1985;36:74–87 (40 ref.)

Opsonin-independent phagocytosis of Pseudomonas aeruginosa. Speert DP, et al. **Antibiot Chemother** 1985; 36:88–94

A new test for phagocytosis of human alveolar macrophages in suspension, using 99mTc labelled human serum albumin particles. Arnould R, et al. **Anticancer Res** 1984 Jul-Oct; 4(4–5):283–8

Ultrastructural features of epididymal spermatophagy in subfertile chromosomally derived mice. Malorni W, et al. **Arch Androl** 1984;13(2–3):289–97

Spermiophagy in vitro. Nechala L, et al. **Arch Androl** 1984; 13(2–3):245–59

Phagocytosis of collagen by fibroblasts incident to experimental tooth movement. Hirashita A, et al. **Arch Histol Jpn** 1985 Apr;48(2):149–58

Histiocytic hemophagocytosis in miliary tuberculosis. Weintraub M, et al. **Arch Intern Med** 1984 Oct; 144(10):2055–6

Splenic phagocytic function after partial splenectomy and splenic autotransplantation. Malangoni MA, et al. **Arch Surg** 1985 Mar;120(3):275–8

Phagocytosis and intracellular killing by polymorphonuclear cells from patients with rheumatoid arthritis and Felty's syndrome. Breedveld FC, et al. **Arthritis Rheum** 1985 Apr; 28(4):395–404

Phagocytosis of immune complexes by human neutrophils and monocytes: relative importance of Fc and C3b receptors. Schorlemmer HU, et al. **Behring Inst Mitt** 1984 Nov;(76):88–97

Proton release by polymorphonuclear leukocytes during phagocytosis or activation by digitonin or fluoride. Takanaka K, et al. **Biochem Int** 1985 Jul;11(1):127–36

Redistribution of membrane-bound and cytosolic action in rabbit polymorphonuclear leucocytes during phagocytosis. Stewart DI, et al. **Biochem J** 1985 Feb 1;225(3):807–14

Immunoglobulin and soluble immune complex binding to phagocyte Fc receptors. Leslie RG. **Biochem Soc Trans** 1984 Oct;12(5):743–6 (45 ref.)

Involvement of the cortical actin filament network of neutrophil leucocytes during phagocytosis. Sheterline P, et al. **Biochem Soc Trans** 1984 Dec;12(6):983–7

Concurrent disappearance of N-acylethanolamine glycerophospholipids and phagolysosomes enriched in N-acylethanolamine glycerophospholipids as Dictyostelium discoideum cells aggregate. Ellingson JS, et al. **Biochim Biophys Acta** 1985 Jan 10;812(1):255–60

Carbohydrates as recognition determinants in phagocytosis and in lectin-mediated killing of target cells. Sharon N. **Biol Cell** 1984;51(2):239–45 (58 ref.)

Effect of human saliva on the phagocytotic activity of polymorphonuclear leukocytes and monocytes. Mittelman M, et al. **Biomed Pharmacother** 1984;38(3):171–5

Lymphokine-induced phagocytosis in angiocentric immunoproliferative lesions (AIL) and malignant lymphoma arising in AIL. Simrell CR, et al. **Blood** 1985 Jun;65(6):1469–76

Monoclonal antibody AHN-1 inhibits phagocytosis by human neutrophils. Skubitz KM, et al. **Blood** 1985 Feb; 65(2):333–9

Phagocytic activity in mouse embryonic liver and spleen following hemolysis. Bessler H, et al. **Blut** 1985 Apr; 50(4):195–200

Phagocyte C3-mediated attachment and internalization: flow cytometric studies using a fluorescence quenching technique. Bjerknes R, et al. **Blut** 1984 Oct;49(4):315–23

Phagocytic function of polymorphonuclear leukocytes in essential mixed cryoglobulinaemia. Capsoni F, et al.

WARK PUBLIC LIBRAR

Boll Ist Sieroter Milan 1982;61(5):404-10

Opsonins in normal mouse serum for the phagocytic killing of Proteus mirabilis by murine neutrophils. Finlay-Jones JJ, et al. **Br J Exp Pathol** 1984 Dec;65(6):711-8

Preferential phagocytosis of in vivo aged murine red blood cells by a macrophage-like cell line. Walker WS, et al. **Br J Haematol** 1984 Oct;58(2):259-66

The relationship between phagocytosis and intracellular killing of Staphylococcus aureus by bovine neutrophils. Williams MR, et al. **Br Vet J** 1985 Jul-Aug;141(4):362-71

Phagocytic activity of polymorphonuclear leucocytes in burns. el-Falaky MH, et al. **Burns Incl Therm Inj** 1985 Feb;11(3):185-91

Phagocytosis of bone collagen by osteoclasts in two cases of pycnodysostosis. Everts V, et al. **Calcif Tissue Int** 1985 Jan;37(1):25-31

The accelerated phase of Chediak-Higashi syndrome. An expression of the virus-associated hemophagocytic syndrome? Rubin CM, et al. **Cancer** 1985 Aug 1; 56(3):524-30

Displacement of cell-surface associated calcium inhibits phagocytosis and Ca-ATPase activity in amoeba. Głowacka SK, et al. **Cell Biol Int Rep** 1985 Feb;9(2):183-91

Actin microfilaments in paramecium: localization and role in intracellular movements. Cohen J, et al. **Cell Motil** 1984; 4(6):443-68

Formation of autophagosomes in the pinealocytes of the rat and mongolian gerbil (Meriones unguiculatus): a lysosome wrapping mechanism? Krstić R. **Cell Tissue Res** 1985; 241(3):677-81

Effect of red blood cell stroma on the reticuloendothelial system clearance and killing of Streptococcus pneumoniae. Grover GJ, et al. **Circ Shock** 1984;14(1):39-47

Neutrophil phagocytosis in sarcoidosis. Reduced C3b receptor-mediated phagocytosis in active and silent sarcoidosis. Schmekel B, et al. **Clin Exp Immunol** 1985 Apr; 60(1):191-5

Circulating Fc-receptor blocking factors in IgA nephropathies. Roccatello D, et al. **Clin Nephrol** 1985 Apr; 23(4):159-68

Phagocytosis by syncytiotrophoblastic cells during in vitro perfusion of human placenta. Henrichs I, et al. **Contrib Gynecol Obstet** 1985;13:165-7

Flow cytometric determination of circulating immune complexes with the indirect granulocyte phagocytosis test. Terstappen LW, et al. **Cytometry** 1985 Jul;6(4):316-20

Attachment and phagocytosis by salmon macrophages of agarose beads coated with human C3b and C3bi. Johnson E, et al. **Dev Comp Immunol** 1984 Summer;8(3):623-30

Cerulein-induced pancreatitis in rats: increased lysosomal enzyme activity and autophagocytosis. Adler G, et al. **Digestion** 1985;32(1):10-8

Genetic analysis of familial erythrophagocytic lymphohistiocytosis. Gencik A, et al. **Eur J Pediatr** 1984 Sep;142(4):248-52

Familial haemophagocytic lymphohistiocytosis in two brothers: possible relationship between impaired immune function and clinical picture of graft-versus-host disease. Rascio N, et al. **Eur J Pediatr** 1984 Sep;142(4):306-7

Conversion of dense lysosomes into light lysosomes during hepatocytic autophagy. Seglen PO, et al. **Exp Cell Res** 1985 Apr;157(2):550-5

Amino acid control of protein degradation in normal and leukemic human lymphocytes. Seglen PO, et al. **Exp Cell Res** 1984 Nov;155(1):121-8

Phagocytosis of lectin-coated beads by dystrophic and normal retinal pigment epithelium. Seyfried-Williams R, et al. **Exp Cell Res** 1984 Oct;154(2):500-9

Phagocytic behavior of the predatory slime mold, Dictyostelium caveatum. Cell nibbling. Waddell DR, et al. **Exp Cell Res** 1985 Aug;159(2):323-34

Extracellular cytotoxicity by phagocytosing polymorphonuclear neutrophilic leukocytes: enhancement by a chemotactic stimulus. Dallegri F, et al. **Exp Hematol** 1985 Mar;13(3):209-14

Phagocytic and metabolic reactions to intracerebral electrical stimulation of rat brain. Babb TL, et al. **Exp Neurol** 1984 Nov;86(2):183-97

Phagocytic and metabolic reactions to chronically implanted metal brain electrodes. Babb TL, et al. **Exp Neurol** 1984 Nov;86(2):171-82

Phagocytosis and neutrophil bactericidal capacity in patients with uremia. Wierusz-Wysocka B, et al. **Folia Haematol (Leipz)** 1984;111(5):589-94

Retinitis pigmentosa: a quantitative study of the apical membrane of normal and dystrophic human retinal pigment epithelial cells in tissue culture in relation to phagocytosis. Boulton M, et al. **Graefes Arch Clin Exp Ophthalmol** 1984; 221(5):214-29

Preservation of Fc gamma receptor-mediated particle phagocytosis and binding with rat alveolar macrophages adhered to a plastic substrate in a serum free system. Lehnert BE, et al. **Immunol Commun** 1984;13(4):313-23

Further evidence for the procidin function of C3. Bridges CG, et al. **Immunol Lett** 1985;9(6):337-42

Ability of rosetting or non-rosetting individual control and inflammatory macrophages to kill Escherichia coli X43 intracellularly. Rhodes JM, et al. **Immunol Lett** 1985; 9(1):33-7

In vitro study of Fc-receptor function in autoimmune diseases. Roccatello D, et al. **Immunol Lett** 1985;9(1):53-6

Erythrocyte enhancement of C3b-mediated phagocytosis by human neutrophils in vitro: a combined effect of the erythrocyte complement receptors CR1 and erythrocyte scavengers to reactive oxygen metabolites (ROM). Forslid J, et al. **Immunology** 1985 May;55(1):97-103

A plasmid-encoded outer membrane protein, TraT, enhances resistance of Escherichia coli to phagocytosis. Agüero ME, et al. **Infect Immun** 1984 Dec;46(3):740-6

Opsonophagocytic killing activity of rabbit antibody to Pseudomonas aeruginosa mucoid exopolysaccharide. Ames P, et al. **Infect Immun** 1985 Aug;49(2):281-5

Intracellular acid phosphatase content and ability of different macrophage populations to kill Nocardia asteroides. Black CM, et al. **Infect Immun** 1985 Feb;47(2):375-83

Role of lipopolysaccharide in opsonization and phagocytosis of Pseudomonas aeruginosa. Engels W, et al. **Infect Immun** 1985 Jul;49(1):182-9

Purification and characterization of a phagocytosis-stimulating factor from phagocytosing polymorphonuclear neutrophils: comparison with granule basic proteins. Ishibashi Y, et al. **Infect Immun** 1985 Jun; 48(3):799-805

Phagocytosis of Campylobacter jejuni and its intracellular survival in mononuclear phagocytes. Kiehlbauch JA, et al. **Infect Immun** 1985 May;48(2):446-51

Extracellular stimulation by serum proteins required for maximal intracellular killing of microorganisms by mouse peritoneal macrophages. Leijh PC, et al. **Infect Immun** 1984 Dec;46(3):754-8

Relationship between extracellular stimulation of intracellular killing and oxygen-dependent microbicidal systems of monocytes. Leijh PC, et al. **Infect Immun** 1985 Feb; 47(2):502-7

Antibody-independent and -dependent opsonization of group B Streptococcus requires the first component of complement C1. Levy NJ, et al. **Infect Immun** 1985 Jul; 49(1):19-24

Opsonized streptococcal cell walls cross-link human leukocytes and erythrocytes by complement receptors. Pryzwansky KB, et al. **Infect Immun** 1985 Sep;49(3):550-6

Bactericidal and opsonizing effects of normal serum on mutant strains of Salmonella typhimurium. Shaio MF, et al. **Infect Immun** 1985 Sep;49(3):647-53

Opsonic requirements for phagocytosis of Legionella micdadei by polymorphonuclear leukocytes. Steffensen DO, et al. **Infect Immun** 1985 Sep;49(3):695-9

Vibrio vulnificus resists phagocytosis in the absence of serum opsonins. Tamplin ML, et al. **Infect Immun** 1985 Sep; 49(3):715-8

Effect of immune complexes from mastitic milk on blocking of Fc receptors and phagocytosis. Targowski SP, et al. **Infect Immun** 1985 Feb;47(2):484-8

Anaerobic phagocytosis, killing, and degradation of Streptococcus pneumoniae by human peripheral blood leukocytes. Thore M, et al. **Infect Immun** 1985 Jan; 47(1):277-81

Formation of HCN by human phagocytosing neutrophils--1. Chlorination of Staphylococcus epidermidis as a source of HCN. Stelmaszyńska T. **Int J Biochem** 1985;17(3):373-9

A possible origin of chemiluminescence in phagocytosing neutrophils. Reaction between chloramines and H2O2. Zgliczyński JM, et al. **Int J Biochem** 1985;17(4):515-9

A possible origin of chemiluminsecence in phagocytosing neutrophils. Myeloperoxidase-mediated chlorination of proteins and tryptophan. Zgliczyński JM, et al. **Int J Biochem** 1985;17(3):393-7

Phagocytic and bactericidal activities of macrophages from Mycobacterium leprae-infected normal and immunosuppressed mice. Vaishnavi C, et al. **Int J Lepr Other Mycobact Dis** 1985 Jun;53(2):233-7

Determination of the specific rate constants for the phagocytosis of radiogold colloids by the reticuloendothelial system in the rat. Bergoc RM, et al. **Int J Nucl Med Biol** 1984;11(3-4):267-9

Relationships between in vitro selenium supply, glutathione peroxidase activity, and phagocytic function in the HL-60 human myeloid cell line. Speier C, et al. **J Biol Chem** 1985 Jul 25;260(15):8951-5

Retrieval of lysosomal membrane and acid phosphatase from phagolysosomes of Paramecium caudatum. Allen RD, et al. **J Cell Biol** 1984 Dec;99(6):1955-9

Legionella pneumophila inhibits acidification of its phagosome in human monocytes. Horwitz MA, et al. **J Cell Biol** 1984 Dec;99(6):1936-43

Deficiency of a leukocyte surface glycoprotein (LFA-1) in two patients with Mo1 deficiency. Effects of cell activation on Mo1/LFA-1 surface expression in normal and deficient leukocytes. Arnaout MA, et al. **J Clin Invest** 1984 Oct; 74(4):1291-300

Opsonophagocytosis of group B streptococci: the role of sialic acid [letter] De Paoli P, et al. **J Clin Pathol** 1985 Jan;38(1):114-5

Phagocytosis and killing of Gardnerella vaginalis by human neutrophils. Easmon CS, et al. **J Clin Pathol** 1985 Jul; 38(7):747-9

Effect of Bacteroides fragilis on the phagocytic killing of Escherichia coli [letter] Finlay-Jones JJ, et al. **J Clin Pathol** 1985 Aug;38(8):959-60

Phagocytosis of Staphylococcus aureus by bovine mammary gland macrophages and intracellular protection from antibiotic action in vitro and in vivo. Craven N, et al. **J Dairy Res** 1984 Nov;51(4):513-23

The role of polymorphonuclear cells in psoriasis. Tosca A, et al. **J Dermatol (Tokyo)** 1984 Aug;11(4):354-60

Ligated complement receptors do not activate the arachidonic acid cascade in resident peritoneal macrophages. Aderem AA, et al. **J Exp Med** 1985 Mar 1;161(3):617-22

Connective tissue proteins and phagocytic cell function. Laminin enhances complement and Fc-mediated phagocytosis by cultured human macrophages. Bohnsack JF, et al. **J Exp Med** 1985 May 1;161(5):912-23

In vivo activation of macrophage C3 receptors for phagocytosis. Griffin FM Jr, et al. **J Exp Med** 1985 Jul 1;162(1):352-7

Augmentation of macrophage complement receptor function in vitro. IV. The lymphokine that activates macrophage C3 receptors for phagocytosis binds to a fucose-bearing glycoprotein on the macrophage plasma membrane. Griffin FM Jr, et al. **J Exp Med** 1984 Oct 1;160(4):1206-18

Murine Kupffer cells. Mononuclear phagocytes deficient in the generation of reactive oxygen intermediates. Lepay DA, et al. **J Exp Med** 1985 May 1;161(5):1079-96

Electron microscopic evidence of antibody entry into neutrophils after phagocytosis of highly virulent group B streptococci. Cleat PH, et al. **J Gen Microbiol** 1984 Nov; 130 (Pt 11):3059-61

Chemiluminescence induced by phagocytosis of Escherichia coli by polymorphonuclear leucocytes. Fazeli A, et al. **J Gen Microbiol** 1984 Sep;130 (Pt 9):2267-75

Calcium requirements for increased complement receptor expression during neutrophil activation. Berger M, et al. **J Immunol** 1985 Aug;135(2):1342-8

Fibronectin-enhanced phagocytosis of an alternative pathway activator by human culture-derived macrophages is mediated by the C4b/C3b complement receptor (CR1). Bohnsack JF, et al. **J Immunol** 1985 Oct;135(4):2680-6

Impaired oxidative burst does not affect human monocyte tumoricidal activity. Chen AR, et al. **J Immunol** 1985 Mar; 134(3):1909-13

Enhancement of macrophage immune and nonimmune receptor-mediated phagocytosis by a low molecular weight soluble factor from resident thymocytes. Coleman DL, et al. **J Immunol** 1984 Dec;133(6):3121-7

Characterization of the opsonic and monocyte adherence functions of the specific fibronectin fragment that enhances phagocytosis of particulate activators. Czop JK, et al. **J Immunol** 1985 Mar;134(3):1844-50

A beta-glucan inhibitable receptor on human monocytes. its identity with the phagocytic receptor for particulate activators of the alternative complement pathway. Czop JK, et al. **J Immunol** 1985 Apr;134(4):2588-93

Amidation of C3 at the thiolester site: stimulation of chemiluminescence and phagocytosis by a new inflammatory mediator. Gordon DL, et al. **J Immunol** 1985 May;134(5):3339-45

Augmentation of macrophage complement receptor function in vitro. V. Studies on the mechanisms of ligation of macrophage Fc receptors required to trigger macrophages to signal T lymphocytes to elaborate the lymphokine that activates macrophage C3 receptors for phagocytosis. Griffin FM Jr, et al. **J Immunol** 1985 Jul;135(1):344-9

Effect of antibodies directed against complement receptors on phagocytosis by polymorphonuclear leukocytes: use of iodination as a convenient measure of phagocytosis. Klebanoff SJ, et al. **J Immunol** 1985 Feb;134(2):1153-9

Identification of a human granulocyte functional antigen (GFA-2) involved in antibody-dependent cell-mediated cytotoxicity and phagocytosis. López AF, et al. **J Immunol** 1985 Jun;134(6):3969-77

Biochemical analysis and subcellular localization of a neutrophil-specific antigen, PMN-7, involved in the respiratory burst. Melnick DA, et al. **J Immunol** 1985 May; 134(5):3346-55

The mouse macrophage receptor for C3bi (CR3) is a major mechanism in the phagocytosis of Leishmania promastigotes. Mosser DM, et al. **J Immunol** 1985 Oct; 135(4):2785-9

Human mononuclear phagocyte antiprotozoal mechanisms: oxygen-dependent vs oxygen-independent activity against intracellular Toxoplasma gondii. Murray HW, et al. **J Immunol** 1985 Mar;134(3):1982-8

Follicular dendritic cells in suspension: identification, enrichment, and initial characterization indicating immune complex trapping and lack of adherence and phagocytic activity. Schnizlein CT, et al. **J Immunol** 1985 Mar; 134(3):1360-8

Flow cytometric quantitation of oxidative product formation by polymorphonuclear leukocytes during phagocytosis. Szejda P, et al. **J Immunol** 1984 Dec;133(6):3303-7

Osmotic stress and the freeze-thaw cycle cause shedding of Fc and C3b receptors by human polymorphonuclear leukocytes. Takahashi T, et al. **J Immunol** 1985 Jun; 134(6):4062-8

Differences in initial rate of intracellular killing of Salmonella typhimurium by resident peritoneal macrophages from various mouse strains. van Dissel JT, et al. **J Immunol** 1985 May;134(5):3404-10

Resistance to phagocytosis by group A streptococci: failure of deposited complement opsonins to interact with cellular receptors. Weis JJ, et al. **J Immunol** 1985 Jan;134(1):500-5

A quantitative method for assessing the third complement factor (C3) attached to the surface of opsonized Pseudomonas aeruginosa: interrelationship between C3 fixation, phagocytosis and complement consumption.

Engels W, et al. **J Immunol Methods** 1985 Jul 16; 81(1):43-53

Intracellular killing of Candida albicans by human polymorphonuclear leucocytes: comparison of three methods of assessment. Husseini RH, et al. **J Immunol Methods** 1985 Aug 2;81(2):215-21

A rapid and sensitive method allowing photometric determination of erythrophagocytosis by mononuclear phagocytes. Jungi TW. **J Immunol Methods** 1985 Sep 3; 82(1):141-53

Quantitative evaluation of opsonin-independent phagocytosis by alveolar macrophages in monolayer using polystyrene microspheres. Lehnert BE, et al. **J Immunol Methods** 1985 Apr 22;78(2):337-44

Rapid microassays of phagocytosis, bacterial killing, superoxide and hydrogen peroxide production by human neutrophils in vitro. Rajkovic IA, et al. **J Immunol Methods** 1985 Apr 8;78(1):35-47

Direct measurement of phagosomal reactive oxygen by luminol-binding microspheres. Uchida T, et al. **J Immunol Methods** 1985 Feb 28;77(1):55-61

A flow cytometric method for the measurement of phagocytosis by polymorphonuclear leucocytes. Wilson RM, et al. **J Immunol Methods** 1985 Feb 11;76(2):247-53

Genetic resistance of mice to persistent infection with Mycobacterium lepraemurium in vitro: association with macrophage bactericidal responsiveness to lymphokines and dissociation from production of hydrogen peroxide by macrophages. Sankaran K, et al. **J Immunopharmacol** 1984; 6(4):277-89

Increased energy expenditure by granulocytes during phagocytosis of Staphylococcus aureus compared with other staphylococci. Eftimiadi C, et al. **J Infect Dis** 1984 Sep;150(3):366-71

Immune globulin for intravenous use: enhancement of in vitro opsonophagocytic activity of neonatal serum. Givner LB, et al. **J Infect Dis** 1985 Feb;151(2):217-20

The biochemistry of opsonization: central role of the reactive thiolester of the third component of complement. Hostetter MK, et al. **J Infect Dis** 1984 Nov;150(5):653-61

Resistance of Vibrio vulnificus to serum bactericidal and opsonizing factors: relation to virulence in suckling mice and humans. Johnson DE, et al. **J Infect Dis** 1984 Sep; 150(3):413-8

Phagocytosis and killing of common bacterial pathogens of the lung by human alveolar macrophages. Jonsson S, et al. **J Infect Dis** 1985 Jul;152(1):4-13

Opsonophagocytosis of Neisseria gonorrhoeae: interaction of local and disseminated isolates with complement and neutrophils. Ross SC, et al. **J Infect Dis** 1985 Jan; 151(1):33-41

Phagocytosis and killing of Brucella by human polymorphonuclear leukocytes. Young EJ, et al. **J Infect Dis** 1985 Apr;151(4):682-90

Human keratinocyte adhesion and phagocytosis promoted by fibronectin. Takashima A, et al. **J Invest Dermatol** 1984 Nov;83(5):352-8

Changes in the reticuloendothelial phagocytic function after partial hepatectomy. Arii S, et al. **J Lab Clin Med** 1985 Jun;105(6):668-72

Opsonic activity of immunoglobulin prepared for intravenous use. Hetherington SV, et al. **J Lab Clin Med** 1984 Dec; 104(6):977-86

The separation of cytotoxic human peripheral blood monocytes into high and low phagocytic subsets by centrifugal elutriation. Chiu KM, et al. **J Leukocyte Biol** 1984 Dec;36(6):729-37

Redistribution of ecto-5'-nucleotidase during phagocytosis by guinea pig polymorphonuclear leukocytes. Cramer E, et al. **J Leukocyte Biol** 1984 Oct;36(4):463-75

The effect of local antibody responses on in vivo and in vitro phagocytosis by pulmonary alveolar macrophages. Harmsen AG, et al. **J Leukocyte Biol** 1985 May; 37(5):483-92

A lectinlike receptor on murine macrophage cell line cells, Mm1: involvement of sialic acid-binding sites in opsonin-independent phagocytosis for xenogeneic red cells. Kyoizumi S, et al. **J Leukocyte Biol** 1985 Mar;37(3):289-304

Opsonin-independent phagocytosis of surface-adherent bacteria by human alveolar macrophages. Lee DA, et al. **J Leukocyte Biol** 1984 Dec;36(6):689-701

Characterization of macrophage dysfunction in rodent malaria. Loose LD. **J Leukocyte Biol** 1984 Dec; 36(6):703-18

Identification and characterization of mononuclear phagocytes isolated from rat testicular interstitial tissues. Miller SC, et al. **J Leukocyte Biol** 1984 Dec;36(6):679-87

Phagocytosis by receptors for C3b (CR1), iC3b (CR3), and IgG (Fc) on human peritoneal macrophages. Newman SL, et al. **J Leukocyte Biol** 1985 Aug;38(2):267-78

Enhancement of hamster alveolar macrophage phagocytic activity by lymphokines. Widen RH, et al. **J Leukocyte Biol** 1985 Mar;37(3):349-58

Activation of phagocytic cells' C3 receptors for phagocytosis. Wright SD, et al. **J Leukocyte Biol** 1985 Aug; 38(2):327-39 (80 ref.)

Phagocytosis, chemiluminescence, and cell volume of alveolar macrophages from neonatal and adult pigs. Zeidler RB, et al. **J Leukocyte Biol** 1985 Jan;37(1):29-43

Phagocytosis by human leukocytes, phagosomal pH and degradation of seven species of bacteria measured by flow cytometry. Bassøe CF, et al. **J Med Microbiol** 1985 Feb; 19(1):115-25

Serum factors for opsonisation of non-typable Haemophilus influenzae. Lever AM, et al. **J Med Microbiol** 1985 Aug; 20(1):33-8

Chemiluminescence of human leukocytes stimulated by clinical isolates of Klebsiella. Simoons-Smit AM, et al. **J Med Microbiol** 1985 Jun;19(3):333-8

Millipore diffusion chambers allow dissociation of myelin phagocytosis by non-resident cells and of allogenic nerve graft rejection. Beuche W, et al. **J Neurol Sci** 1985 Jul; 69(3):231-46

Increased sensitivity to H2O2 in glutathione peroxidase-deficient rat granulocytes. Baker SS, et al. **J Nutr** 1984 Nov;114(11):2003-9

Immunologic profile of juvenile periodontitis. II. Neutrophil chemotaxis, phagocytosis and spore germination. Suzuki JB, et al. **J Periodontol** 1984 Aug;55(8):461-7

Oxidative metabolism associated with phagocytosis in Acanthamoeba castellanii. Brooks SE, et al. **J Protozool** 1985 May;32(2):330-3

Interactions of Plasmodium berghei-infected erythrocytes with complement. Schetters TP, et al. **J Protozool** 1985 May;32(2):321-5

Phagocytized intracellular microsporidian blocks phagosome acidification and phagosome-lysosome fusion. Weidner E, et al. **J Protozool** 1985 May;32(2):311-7

Sublethal hemorrhage impairs the acute peritoneal inflammatory response in the rat. Fink MP, et al. **J Trauma** 1985 Mar;25(3):234-7

The functional characteristics of cultured rat mesangial cell. Tanaka T, et al. **Jpn Circ J** 1984 Sep;48(9):1017-29

Comparison of activities of mononuclear phagocyte system between the cotton rat, Sigmodon hispidus, and the jird, Meriones unguiculatus, in relation to the treatment of filariasis. Hayashi Y, et al. **Jpn J Exp Med** 1983 Dec; 53(6):257-62

Erythrophagocytic acute lymphocytic leukemia with B-cell markers and with a 20q- chromosome abnormality. Colon-Otero G, et al. **Mayo Clin Proc** 1984 Oct; 59(10):678-82

Age-related changes in cAMP and cGMP levels during phagocytosis in human polymorphonuclear leukocytes. Fülöp T, et al. **Mech Ageing Dev** 1984 Oct 15;27(2):233-7

Assessment of neutrophil function in the elderly using antibody coated polyacrylamide gel (immunobeads) and nitroblue tetrazolium (NBT) reduction as a combined test. Horan MA, et al. **Mech Ageing Dev** 1985 Jan;29(1):29-33

Age dependent phagocytosis of red cell membranes by the reticulohistiocytary system of the isolated perfused rat liver. Vömel T. **Mech Ageing Dev** 1985 Jan;29(1):9-17

Influence of K99 on the phagocytosis and killing of K99-positive Escherichia coli by mouse peritoneal cells in vitro. Ferreiros CM, et al. **Med Microbiol Immunol (Berl)** 1984;173(2):105-11

Constitutive production of phagocytosis inducing factor(s) in a monocyte/macrophage lineage cell line (THP-1) by retrovirus-transformed human T cell lines. Hinuma S, et al. **Microbiol Immunol** 1984;28(8):935-47

Bactericidal effect of fatty acids on mycobacteria, with particular reference to the suggested mechanism of intracellular killing. Kanetsuna F. **Microbiol Immunol** 1985; 29(2):127-41

A new calorimetric technique to analyze bacteria-phagocyte interactions. Eftimiadi C, et al. **Microbiologica** 1985 Jul; 8(3):297-301

Calorimetric analysis of phagocytosis of staphylococcal protein-A/IgG complexes. Eftimiadi C, et al. **Microbiologica** 1985 Jul;8(3):255-61

Enhanced binding of phosphatidylserine-containing lipid vesicle targets to RAW264 macrophages. Rimle D, et al. **Mol Cell Biochem** 1984 Sep;64(1):81-7

1,25-Dihydroxyvitamin D3 induces a myelomonocytic phenotype with enhanced effector cell function in the HL-60 promyelocytic leukemia cell line. Rigby WF, et al. **Mol Immunol** 1985 May;22(5):567-72

In vitro phagocytosis of several Candida berkhout species by murine leukocytes. Fontenla de Petrino SE, et al. **Mycopathologia** 1985 Mar;89(3):139-45

In vitro determination of phagocytic indices of Candida berkhout species by rat peritoneal macrophages. Salim R, et al. **Mycopathologia** 1985 Jan;89(1):25-34

Ca2+-dependent and Ca2+-independent phagocytosis in human neutrophils. Lew DP, et al. **Nature** 1985 Jun 6-12; 315(6019):509-11

Phagosome acidification blocked by intracellular Toxoplasma gondii. Sibley LD, et al. **Nature** 1985 May 30-Jun 5; 315(6018):416-9

The phagocytic activity of the pigment epithelium in development and after optic nerve sectioning in the rat. Yew DT, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):257-61

Phagocytosis of virulent and avirulent leptospires by guinea-pig and human polymorphonuclear leukocytes in vitro. McGrath H, et al. **Pathology** 1984 Jul;16(3):243-9

Familial hemophagocytic lymphohistiocytosis: report of four cases in two families and review of the literature. Gilbert EF, et al. **Pediatr Pathol** 1985;3(1):59-92

Opsonic activity of cord blood sera against various species of microorganism. Maródi L, et al. **Pediatr Res** 1985 May; 19(5):433-6

Cytomegalovirus-associated hemophagocytic syndrome. Danish EH, et al. **Pediatrics** 1985 Feb;75(2):280-3

Treatment of four patients with erythrophagocytic lymphohistiocytosis by a combination of epipodophyllotoxin, steroids, intrathecal methotrexate, and cranial irradiation. Fischer A, et al. **Pediatrics** 1985 Aug; 76(2):263-8

Generation of leukotrienes by human monocytes upon stimulation of their beta-glucan receptor during phagocytosis. Czop JK, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2751-5

Impaired blood clearance of bacteria and phagocytic activity in vitamin A-deficient rats. Ongsakul M, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):204-8

Microinjection of isolated lysosomes: a model for studying autophagic sequestration of cell organelles. Berkenstam A, et al. **Prog Clin Biol Res** 1985;180:463-6

Sequestration and hydrolysis of electroinjected [14C]lactose as a means of investigating autophagosome-lysosome fusion in isolated rat hepatocytes. Gordon PB, et al. **Prog Clin Biol Res** 1985;180:475-7

Comparison of proteolysis in perfused rat liver and in isolated autophagic vacuoles. Henell F, et al. **Prog Clin Biol Res** 1985;180:457-60

Erythrophagocytosis as a determinant of hemolytic rate in sickle disease. Miller WJ, et al. **Prog Clin Biol Res** 1984; 165:85-92

Cinematographic studies on the phagocytic activity of granulocytes derived from gnotobiotic and conventional mice. Ohnishi N, et al. **Prog Clin Biol Res** 1985;181:363-6

Inhibition of protein degradation and of cellular autophagy in growing as compared to density inhibited fibroblasts. Pfeifer U, et al. **Prog Clin Biol Res** 1985;180:659-61

Phagocytic and bactericidal properties of bovine macrophages from non-lactating mammary glands. Mullan NA, et al. **Res Vet Sci** 1985 Mar;38(2):160-6

Neutrophil killing of bacteria by oxygen-independent mechanisms: a historical summary. Spitznagel JK, et al. **Rev Infect Dis** 1985 May-Jun;7(3):398-403

Cellular strategies in receptor-mediated phagocytosis. Wright SD. **Rev Infect Dis** 1985 May-Jun;7(3):395-7

A simple method for purification of human monocytes and evaluation of IgG Fc-receptor-mediated phagocytosis. Zauli D, et al. **Ric Clin Lab** 1984 Oct-Dec;14(4):635-9

Yeast cell phagocytosis by mononuclear leucocytes from peripheral blood: significance of the substrate. Rydgren L, et al. **Scand J Haematol** 1984 Oct;33(4):368-72

Marrow cell uptake by megakaryocytes and naked megakaryocyte nuclei in routine bone marrow examination. Thiagarajan D, et al. **South Med J** 1985 Sep;78(9):1127-8

Mechanisms of nutritive endocytosis. III. A freeze-fracture study of phagocytosis by digestive cells of Chlorohydra. McNeil PL. **Tissue Cell** 1984;16(4):519-33

Phagocytosis of erythrocyte membranes (white ghosts) from different species by the isolated perfused rat liver. Vömel T, et al. **Vet Immunol Immunopathol** 1985 Jul;9(3):273-82

Phagocytosis of mast cell granules by fibroblasts of the human gingiva. Takeda Y. **Virchows Arch [A]** 1985; 406(2):197-201

Red blood cell mononuclear phagocyte assay [letter] Branch DR, et al. **Vox Sang** 1985;48(5):323-4

Phagocytic cell responses to in vivo and in vitro exposure to the Lyme disease spirochete. Benach JL, et al. **Yale J Biol Med** 1984 Jul-Aug;57(4):599-605

Fever, jaundice, and histiocytic erythrophagocytosis: fulminant infection or malignancy? Heiman DF, et al. **Yale J Biol Med** 1984 Sep-Oct;57(5):787-95

Enhanced killing of penicillin-treated gram-positive cocci by human granulocytes: role of bacterial autolysins, catalase, and granulocyte oxidative pathways. Isturiz R, et al. **Yale J Biol Med** 1985 Mar-Apr;58(2):133-43

Phagocytosis of E. coli by renal tubular epithelia. Shimamura T, et al. **Yale J Biol Med** 1984 Nov-Dec;57(6):817-24

Enzyme histochemistry of the response by naive and sensitised macrophages to phagocytosis of collagen and latex particles. Pugh DI, et al. **Z Mikrosk Anat Forsch** 1985; 99(1):14-24

Electron microscopic studies on the interaction of rat Kupffer cells and Plasmodium berghei sporozoites. Meis JF, et al. **Z Parasitenkd** 1985;71(4):473-83

The influence of penicillin on growth and morphology of Streptococcus pyogenes in vivo. Bergholm AM, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Feb; 259(1):90-103

Influence of different immunoglobulin G preparations on phagocytosis of Pseudomonas aeruginosa by polymorphonuclear granulocytes. Trautmann M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1985 Feb; 259(1):104-17

[The effect of natural Cordyceps sinensis and its cultured mycelia on murine immuno-organs and function of the mononuclear macrophage system] Chen DM. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Jan;5(1):42-4, 5 (Eng. Abstr.) **(Chi)**

[Phagocytosis of splenic autotransplantation: an experimental study] Chen WP, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Mar;23(3):182-4, 192 (Eng. Abstr.) **(Chi)**

[Anti-infectious function of the rabbit spleen] Wan KQ, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Apr;23(4):244-6, 255-6 (Eng. Abstr.) **(Chi)**

[The effect of transfer factor on phagocytosis and humoral immunity in children with recurrent otitis media] Strejček J, et al. **Cas Lek Cesk** 1984 Aug 10;123(32):1003 (Cze)

[A new method for studying phagocytosis in peripheral blood leukocytes] Fornusek L, et al.

NEWARK PUBLIC LIBRARY

Cesk Epidemiol Mikrobiol Imunol 1985 Jun;34(4):234–8 (Eng. Abstr.) **(Cze)**

[Determination of tetrazolium reductase activity of leukocytes on microtitration plates] Lochmanová A, et al. **Cesk Epidemiol Mikrobiol Imunol** 1984 Jul;33(4):211–5 (Eng. Abstr.) **(Cze)**

[Phagocytic activity of blood leukocytes in calves from birth to 3 months of age] Toman M, et al. **Vet Med (Praha)** 1985 Jul;30(7):401–8 (Eng. Abstr.) **(Cze)**

[Test of phagocytic activity of blood leukocytes in calves] Toman M, et al. **Vet Med (Praha)** 1985 Jul;30(7):393–400 (Eng. Abstr.) **(Cze)**

[Changes in phagocytic activity of neutrophilic granulocytes during hemodialysis] Jarošíková T, et al. **Vnitr Lek** 1985 Feb;31(2):166–70 (Eng. Abstr.) **(Cze)**

[Phagocytic function of granulocytes in children with protein–calorie malnutrition] Dulat C, et al. **Arch Inst Pasteur Madagascar** 1984;51(1):261–7 **(Fre)**

[Current theories of phagocytosis and methodological problems in the study of phagocytosis defects in diabetics] Horn W. **Immun Infekt** 1984 Feb;12(1):13–9 (24 ref.) (Eng. Abstr.) **(Ger)**

[Phagocytosis of neutrophilic granulocytes of intensive care patients: effect of immunoglobulin preparations] Stübner G, et al. **Immun Infekt** 1984 Feb;12(1):69–72 (Eng. Abstr.) **(Ger)**

[DMNH chemiluminescence of ingesting monocytes] Eschenbach C, et al. **Klin Wochenschr** 1985 Apr 15; 63(8):364–70 (Eng. Abstr.) **(Ger)**

[Phagocytic deficiencies] Hobbs JR, et al. **Clin Ter** 1984 Aug 31;110(4):367–73 (25 ref.) (Eng. Abstr.) **(Ita)**

[Phagocytic and intracellular killing activity of rat macrophages: critical analysis of 2 different evaluation methods] Iannello D, et al. **G Batteriol Virol Immunol** 1984 Jan–Jun;77(1–6):45–53 (Eng. Abstr.) **(Ita)**

[Superoxide anion (O2–) release from mouse peritoneal macrophages associated with ingestion of mycobacteria and effects of O2– on intracellular multiplication of mycobacteria] Lee K. **Kekkaku** 1985 Jan;60(1):23–30 (Eng. Abstr.) **(Jpn)**

[Scanning electron microscopic studies of human retinal pigment epithelium in culture––phagocytic process of latex microspheres] Akeo K, et al. **Nippon Ganka Gakkai Zasshi** 1985 Mar;89(3):433–9 (Eng. Abstr.) **(Jpn)**

[Phagocytosis of the retinal pigment epithelium. 3. The influence of hydrophilicity and hydrous nature of polystyrene spheres] Kanai K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Dec;88(12):1428–36 (Eng. Abstr.) **(Jpn)**

[Phagocytosis of the retinal pigment epithelium. 2. Selectivity of phagocytosis and surface charge of polystyrene spheres] Kanai K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Oct; 88(10):1293–305 (Eng. Abstr.) **(Jpn)**

[Quantitative study of phagocytosis by chick ciliary epithelia in tissue culture] Ono H, et al. **Nippon Ganka Gakkai Zasshi** 1985 Feb;89(2):383–90 (Eng. Abstr.) **(Jpn)**

[A trial in removing melanin from the dermis] Takematsu H, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Dec; 94(14):1599–607 **(Jpn)**

[Simultaneous measurement of phagocytic and lysozyme activities in leukemic cells] Nagata T, et al. **Rinsho Byori** 1984 Aug;32(8):890–4 **(Jpn)**

[Acute hepatitis presenting severe thrombocytopenia with phagocytosis of platelets by macrophages in the bone marrow] Narumi S, et al. **Rinsho Ketsueki** 1984 Dec; 25(12):1973–80 (Eng. Abstr.) **(Jpn)**

[Lung cancer with an increase in macrophages displaying marked hemophagocytosis in the bone marrow] Narumi S, et al. **Rinsho Ketsueki** 1985 Jan;26(1):58–62 (Eng. Abstr.) **(Jpn)**

[Phagocytic and bactericidal capacity of granulocytes of peripheral blood in patients with chronic post–traumatic osteitis after treatment with staphylococcal anatoxin] Wierzbicki S, et al. **Chir Narzadow Ruchu Ortop Pol** 1985; 50(1):58–63 (Eng. Abstr.) **(Pol)**

[NBT reduction test in newborn infants with intrauterine dystrophy syndrome and infections] Godula–Stuglik U. **Pediatr Pol** 1984 May;59(5):381–6 (Eng. Abstr.) **(Pol)**

[Phagocytic response of granulocytes in bronchopneumonia] Sułek K, et al. **Pneumonol Pol** 1985 Feb;53(2):73–9 (Eng. Abstr.) **(Pol)**

[Leukocytes and peripheral blood lymphocytes in children with recurrent respiratory tract infections] Jankowski A, et al. **Pol Tyg Lek** 1985 May 27;40(21):597–9 (Eng. Abstr.) **(Pol)**

[Phagocytic and bactericidal activities of neutrophils in severe seborrheic dermatoses] Dabrowska–Widera J. **Przegl Dermatol** 1984 Mar–Apr;71(2):109–13 (Eng. Abstr.) **(Pol)**

[Leukocyte adherence in viral hepatitis type A and B with different degrees of clinical intensity] Onisk Z, et al. **Przegl Epidemiol** 1984;38(3):257–64 (Eng. Abstr.) **(Pol)**

[Effect of lipopolysaccharide of the pseudotuberculosis bacterium on the functional activity of macrophages] Kuznetsova TA, et al. **Antibiot Med Biotekhnol** 1985 Feb; 30(2):109–13 (Eng. Abstr.) **(Rus)**

[Changes in the cathepsin activity of reticuloendothelial cells under the effect of biologically active substances] Popova GO, et al. **Antibiot Med Biotekhnol** 1985 Feb;30(2):106–9 (Eng. Abstr.) **(Rus)**

[Interaction between the polymorphonuclear leukocyte system and bacterial agents] Galankin VN. **Arkh Patol** 1984;46(11):80–6 (55 ref.) (Eng. Abstr.) **(Rus)**

[Nonspecificity of the phenomenon of influenza virus phagocytosis by murine macrophages] Berdinskikh MS, et al. **Biull Eksp Biol Med** 1985 Jul;100(7):55–7 (Eng. Abstr.) **(Rus)**

[Comparison of the oxygen absorption processes during phagocytosis by polymorphonuclear leukocytes from conventional and specific–pathogen–free C57BL/6 strain mice] Larina LL, et al. **Biull Eksp Biol Med** 1985 Jul; 100(7):53–5 (Eng. Abstr.) **(Rus)**

[Experimental study of the effect of coal ash from thermoelectric power plants on alveolar macrophages in rats] Koval'chuk VK. **Gig Sanit** 1985 Feb;(2):76–7 **(Rus)**

[Staphylococcal immunoadhesion test and its use in a toxicological experiment] Ashel'rod AA, et al. **Gig Tr Prof Zabol** 1984 Dec;(12):47–8 **(Rus)**

[Bioluminescent determination of ATP in peritoneal macrophages phagocytosing dust particles] Korkina LG, et al. **Gig Tr Prof Zabol** 1985 Mar;(3):22–6 (Eng. Abstr.) **(Rus)**

[Study of morphofunctional characteristics of monocytes for evaluation of the changes in the mononuclear phagocyte system in silicosis] Rendel' EI. **Gig Tr Prof Zabol** 1984 Dec;(12):24–7 (Eng. Abstr.) **(Rus)**

[Function of the monocyte link in the mononuclear phagocytosing system in acute myocardial infarct] Sinitsyn SP, et al. **Kardiologiia** 1985 Feb;25(2):96–8 **(Rus)**

[Phagocytosis in patients with a surgical profile uncomplicated and complicated by suppurative infection] Veselov AIa. **Khirurgiia (Mosk)** 1985 May;(5):121–3 **(Rus)**

[Rapid method of determining the phagocytic activity of blood monocytes] Khil'ko VA, et al. **Lab Delo** 1985; (3):143–5 (Eng. Abstr.) **(Rus)**

[Nephelometric method of controlling the preparation of microbial suspensions] Levina VIa, et al. **Lab Delo** 1984; (9):574–5 **(Rus)**

[Comparative study of the phagocytic activity of neutrophil granulocytes in patients with pulmonary tuberculosis using staphylococci and latex particles] Shatrov VA. **Lab Delo** 1984;(10):614–6 (Eng. Abstr.) **(Rus)**

[Capillary micromethod for determining the absorptive capacity of peripheral blood neutrophils] Shatrov VA, et al. **Lab Delo** 1985;(1):17–8 (Eng. Abstr.) **(Rus)**

[Diagnostic potential of the NBT test in pediatric practice] Buiko VP, et al. **Pediatriia** 1984 Aug;(8):62–5 (43 ref.) **(Rus)**

[Characteristics of chemotactic properties of phagocytes in children with thymomegaly] Kuz'menko LG, et al. **Pediatriia** 1984 Aug;(8):40–1 **(Rus)**

[Indicators of phagocytic activity of neutrophils in patients with diabetes mellitus before and after treatment using the 'Biostator'] Belokrinitskiĭ DV, et al. **Probl Endokrinol (Mosk)** 1984 Nov–Dec;30(6):18–22 (Eng. Abstr.) **(Rus)**

[Phagocytic activity of monocytes and alveolar macrophages in exogenous allergic alveolitis and other disseminated processes in the lungs] Il'kovich MM, et al. **Probl Tuberk** 1984 Sep;(9):60–5 (Eng. Abstr.) **(Rus)**

[Indices of the completion of phagocytosis by neutrophils in the peripheral blood of periodontitis and periodontosis patients] Bykova IA, et al. **Stomatologiia (Mosk)** 1985 Jan–Feb;64(1):18–20 (Eng. Abstr.) **(Rus)**

[Phagocytic reactions in systemic lupus erythematosus] Kozlovskaia LV, et al. **Ter Arkh** 1984;56(7):93–7 **(Rus)**

[Stereological analysis of phagocytosing cells] Shcherbukhin VV, et al. **Tsitologiia** 1985 Mar;27(3):336–41 (Eng. Abstr.) **(Rus)**

[Effect of detoxifying therapy on the immune complex level and phagocytic system of psoriasis patients] Korotkiĭ NG, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):45–8 (Eng. Abstr.) **(Rus)**

[Interrelation of phagocytic reactions of neutrophils with the reactions of the T–component of immunity in patients with staphyloderma] Lesnitskiĭ AI. **Vestn Dermatol Venerol** 1985 Mar;(3):7–9 (Eng. Abstr.) **(Rus)**

[Opsonin deficiency as the cause of disorders of phagocytic reactions of neutrophils in staphyloderma patients] Lesnitskiĭ AI. **Vestn Dermatol Venerol** 1984 Aug;(8):10–3 (Eng. Abstr.) **(Rus)**

[Total phagocytic–bactericidal activity of the sputum in chronic bronchitis] Alekseenko MV, et al. **Vrach Delo** 1985 Mar;(3):7–9 (Eng. Abstr.) **(Rus)**

[Phagocytic function of leukocytes in patients with chronic diffuse bronchitis] Pluzhnik EG, et al. **Vrach Delo** 1985 Jan;(1):37–9 (Eng. Abstr.) **(Rus)**

[Functional activity of the blood leukocytes of ischemic heart disease patients] Shchepotin BM, et al. **Vrach Delo** 1984 Dec;(12):59–61 (Eng. Abstr.) **(Rus)**

[Reactivity to bacterial peptidoglycans in a phagocytosis system. 1. The range of immunological specificity of Staphylococcus aureus peptidoglycan] Maianskiĭ AN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Jul;(7):97–100 (Eng. Abstr.) **(Rus)**

[Comparative study of the phagocytosis of sheep erythrocytes by the macrophages of inbred mice differing in their sensitivity to immunogenic stimulation by the given antigen] Matienko NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Apr;(4):35–9 (Eng. Abstr.) **(Rus)**

[Staphylococcal induction of suppressors of macrophage phagocytic activity] Vikhot' NE. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Dec;(12):94–7 (Eng. Abstr.) **(Rus)**

[Problems in infectious disease control at the VII Congress of Russian Naturalists and Physicians (on the centenary of the theory of phagocytosis)] Vladimirova LB. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Aug;(8):115–8 **(Rus)**

[Comparative study of the phagocytic activity of the reticuloendothelial system using blood clearance of colloidal carbon dust particles (C11/143) and radioactive gold Au198 in experimental histamine shock] Selak I, et al. **Acta Med Iugosl** 1984;38(3):141–54 (Eng. Abstr.) **(Scr)**

[The effect of surgical trauma and peroperative hemodilution on the phagocytic and microbicidal capacity of polymorphonuclear leukocytes] Horecký J, et al. **Bratisl Lek Listy** 1984 Nov;82(5):1301–9 (Eng. Abstr.) **(Slo)**

[Inhibition of macrophage phagocytic activity by selective sensitization to alloantigens of the H–2 system] Santamaría M, et al. **Rev Esp Fisiol** 1985 Jun;41(2):217–20 (Eng. Abstr.) **(Spa)**

[Monocyte function in patients with sickle–cell anemia] Dorlhiac P, et al. **Sangre (Barc)** 1985;30(3):284–91 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Interaction of human IgG preparations with polymorphonuclear leukocytes in vitro. Koch C, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1984 Jun; 92(3):161–5

Interference of antimicrobial agents in some reactions of host–defense system. Gialdroni–Grassi G, et al. **Ala J Med Sci** 1985 Apr;22(2):144–8

Influence of chemotherapy on the phagocytic activity of mononuclear cells in patients with Hodgkin's disease. Süss J, et al. **Allerg Immunol (Leipz)** 1984;30(4):251–4

Stimulating effect of fructose 1–6 diphosphate on the phagocytic function of rat RES and on human leukocyte carbohydrate metabolism. Markov AK, et al. **Am J Med Sci** 1985 Jul;290(1):3–10

Effects of a calcium–antagonist (flunarizine) on cancer cell movement and phagocytosis. Sezzi ML, et al. **Anticancer Res** 1985 May–Jun;5(3):265–71

Therapeutic relevance of penicillin–induced hypersensitivity of Staphylococcus aureus to killing by polymorphonuclear leukocytes. Lam C, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):149–54

Effects of ethanol and acetaldehyde on phagocytic functions. Schopf RE, et al. **Arch Dermatol Res** 1985;277(2):131–7

Aging in vivo and neuraminidase treatment of rat erythrocytes and their sequestration by the isolated perfused rat liver. Vömel T, et al. **Arch Gerontol Geriatr** 1985 Jul;4(2):125–32

Augmentation of human antibody–dependent cellular cytotoxicity and mononuclear phagocytosis by procaine. Olinescu A, et al. **Arch Roum Pathol Exp Microbiol** 1985 Jan–Mar;44(1):63–72

Mechanisms of action of two new immunomodulators. Waymack JP, et al. **Arch Surg** 1985 Jan;120(1):43–8

Myeloperoxidase reduces the opsonizing activity of immunoglobulin G and complement component C3b. Coble BI, et al. **Biochim Biophys Acta** 1984 Dec 20;802(3):501–5

Role of 2–deoxy–D–glucose in the inhibition of phagocytosis by mouse peritoneal macrophage. Sung SS, et al. **Biochim Biophys Acta** 1985 May 30;845(2):204–15

Novel fluorescence method to visualize antibody–dependent hydrogen peroxide–associated 'killing' of liposomes by phagocytes. Petty HR, et al. **Biophys J** 1985 Jun; 47(6):837–40

Activation of neutrophil phagocytosis of complement coated and IgG coated sheep erythrocytes by platelet release products. Sakamoto H, et al. **Br J Haematol** 1985 May; 60(1):173–81

Impaired phagocytic activity of neutrophils in patients receiving haemodialysis: the critical role of iron overload. Waterlot Y, et al. **Br Med J [Clin Res]** 1985 Aug 24; 291(6494):501–4

Synergism and antagonism in the effects of 1 alpha,25–dihydroxyvitamin D3, retinoic acid, dexamethasone, and a tumor–promoting phorbol ester on the functional capability of P388D1 cells: phagocytosis and transglutaminase activity. Goldman R. **Cancer Res** 1985 Jul;45(7):3118–24

Effect of lipopolysaccharide on the stimulation of macrophage Fc–dependent phagocytosis by splenic B lymphocytes. Coleman DL, et al. **Cell Immunol** 1985 Apr 1;91(2):520–7

Effect of beta–lactam antibiotics at subinhibitory concentrations on the phagocytosis of Staphylococcus aureus by the perfused rat liver. Andreana A, et al. **Chemioterapia** 1985 Jun;4(3):265–8

In vitro effect of some antibiotics on phagocytic index of human neutrophils. el–Hawary A, et al. **Chemioterapia** 1984 Dec;3(6):354–7

Intraphagocytic bactericidal activity of bacterial DNA gyrase inhibitors against Serratia marcescens. Traub WH. **Chemotherapy** 1984;30(6):379–86

Pepsin like enzyme in macrophages and its role in the immune system. Ohnishi H. **Clin Exp Immunol** 1984 Oct;

58(1):206–12

The effect of Pseudomonas alginate on rat alveolar macrophage phagocytosis and bacterial opsonization. Oliver AM, et al. **Clin Exp Immunol** 1985 Jan;59(1):190–6

Inhibition of neutrophil phagocytosis and enzyme release by hyaluronic acid. Pisko EJ, et al. **Clin Exp Rheumatol** 1983 Jan–Mar;1(1):41–4

Propranolol's effect on phagocytizing ability of polymorphonuclears and monocytes [letter] Djaldetti M, et al. **Drug Intell Clin Pharm** 1985 Jul–Aug;19(7–8):583

Morphological changes and depressed phagocytic efficiency in Dictyostelium amoebae treated with toxic concentrations of cadmium. Cyr RJ, et al. **Environ Res** 1984 Oct; 35(1):66–78

Influence of subinhibitory concentrations of antibiotics on opsonization and phagocytosis of Pseudomonas aeruginosa by human polymorphonuclear leukocytes. Milatovic D. **Eur J Clin Microbiol** 1984 Aug;3(4):288–93

Effect of amino acids and cycloheximide on changes caused by vinblastine, leupeptin and methylamine in the autophagic/lysosomal system of mouse hepatocytes in vivo. Kovács AL, et al. **Exp Cell Res** 1985 Mar;157(1):83–94

Reduced autophagic activity, improved protein balance and enhanced in vitro survival of hepatocytes isolated from carcinogen-treated rats. Schwarze PE, et al. **Exp Cell Res** 1985 Mar;157(1):15–28

Inhibition of phagocytosis by monoclonal antibodies to human myeloid differentiation antigens. Bjerknes R, et al. **Exp Hematol** 1984 Dec;12(11):856–62

The effect of bilirubin on the phagocytic activity of mouse peripheral granulocytes and monocytes in vivo. Miler I, et al. **Folia Microbiol (Praha)** 1985;30(3):267–71

The effect of bilirubin on the Fc receptor expression and phagocytic activity of mouse peritoneal macrophages. Větvička V, et al. **Folia Microbiol (Praha)** 1985; 30(4):373–80

Influence of colchicine and cytochalasin B on pinocytosis, phagocytosis, and antibody-dependent cell-mediated cytotoxicity. Piasek A, et al. **Hamatol Bluttransfus** 1985; 29:511–3

Effect of endotoxin on fibronectin and Kupffer cell activity. Richards PS, et al. **Hepatology** 1985 Jan–Feb;5(1):32–7

The ingestion and degradation of soluble immune complexes by guinea-pig macrophages and neutrophils. Leslie RG, et al. **Immunology** 1985 Apr;54(4):811–9

Effect of quinine on phagocytic functions of normal rhesus monkey (Macaca mulatta) monocytes. Prasad RN, et al. **Indian J Med Res** 1984 Apr;79:550–3

Recombinant and natural gamma-interferon activation of macrophages in vitro: different dose requirements for induction of killing activity against phagocytizable and nonphagocytizable fungi. Brummer E, et al. **Infect Immun** 1985 Sep;49(3):724–30

Inhibition of phagocytosis and chemiluminescence in human leukocytes by a lipid soluble factor in normal tissues. Huang TS, et al. **Infect Immun** 1984 Nov;46(2):544–51

Effect of thioglycolate on phagocytic and microbicidal activities of peritoneal macrophages. Leijh PC, et al. **Infect Immun** 1984 Nov;46(2):448–52

Inhibitory effect of estradiol-17 beta and progesterone on bactericidal activity in uteri of rabbits infected with Escherichia coli. Matsuda H, et al. **Infect Immun** 1985 Jun; 48(3):652–7

Effect of two gold compounds on human polymorphonuclear leukocyte lysosomal function and phagocytosis. Kühn SH, et al. **Inflammation** 1985 Mar;9(1):39–44

Modulation of phagocytosis and intracellular bactericidal activity of polymorphonuclear and mononuclear cells by cationic proteins from human granulocytes: alternative pathway of phagocytic enhancement. Pruzanski W, et al. **Inflammation** 1984 Dec;8(4):445–57

In vitro cisplatin effects on phagocyte functions. Fumarulo R, et al. **Int J Cancer** 1985 Jun 15;35(6):777–80

Enhancement of phagocytosis by different anti-neoplastic drugs. Giordano M, et al. **Int J Immunopharmacol** 1985; 7(1):19–23

Effects of dietary technical pentachlorophenol exposure on T cell, macrophage and natural killer cell activity in C57Bl/6 mice. Kerkvliet NI, et al. **Int J Immunopharmacol** 1985;7(2):239–47

Influence of the peptide chain length of new elongated tuftsin analogs on phagocytosis process. Konopińska D, et al. **Int J Pept Protein Res** 1984 Sep;24(3):267–73

Enoxacin-induced alteration of susceptibility of pneumococci and Pseudomonas to phagocytosis by human polymorphonuclear leukocytes. Pruul H, et al. **J Antimicrob Chemother** 1984 Sep;14 Suppl C:19–31

Inhibition of macrophage phagocytosis by methylation inhibitors. Lack of correlation of protein carboxymethylation and phospholipid methylation with phagocytosis. Sung SJ, et al. **J Biol Chem** 1985 Jan 10; 260(1):546–54

Enhancement of colony-stimulating-factor—dependent clonal growth of murine macrophage progenitors and their phagocytic activity by retinoic acid. Goldman R. **J Cell Physiol** 1985 May;123(2):288–96

PMA induces the ligand-independent internalization of CR1 on human neutrophils. Changelian PS, et al. **J Immunol** 1985 Mar;134(3):1851–8

Opsonic properties of C-reactive protein. Stimulation by phorbol myristate acetate enables human neutrophils to phagocytize C-reactive protein-coated cells. Kilpatrick JM, et al. **J Immunol** 1985 May;134(5):3364–70

Lactoferrin effects on phagocytic cell function. I. Increased uptake and killing of an intracellular parasite by murine macrophages and human monocytes. Lima MF, et al. **J Immunol** 1985 Jun;134(6):4176–83

Tumor-promoting phorbol esters induce rapid internalization of the C3b receptor via a cytoskeleton-dependent mechanism. O'Shea JJ, et al. **J Immunol** 1985 Aug; 135(2):1325–30

Mouse peritoneal macrophages plated on mannan- and horseradish peroxidase-coated substrates lose the ability to phagocytose by their Fc receptors. Sung SS, et al. **J Immunol** 1985 Jun;134(6):3712–7

Intracellular retention of the 5-lipoxygenase pathway product, leukotriene B4, by human neutrophils activated with unopsonized zymosan. Williams JD, et al. **J Immunol** 1985 Apr;134(4):2624–30

Stimulatory effects of leukotriene B4 on macrophage association with and intracellular destruction of Trypanosoma cruzi. Wirth JJ, et al. **J Immunol** 1985 Mar; 134(3):1989–93

Reevaluation of the effect of levamisole in chronic brucellosis: in vitro and in vivo effect on monocyte phagocytosis. Boura P, et al. **J Immunopharmacol** 1984; 6(3):135–46

Inhibition of yeast phagocytosis in macrophage cultures treated with slime polysaccharide purified from Pseudomonas aeruginosa. Grasso RJ, et al. **J Leukocyte Biol** 1984 Dec;36(6):771–4

Effects of essential fatty acid deficiency and indomethacin on histologic, ultrastructural, and phagocytic responses of hepatic macrophages to glucan. Way CF, et al. **J Leukocyte Biol** 1985 Feb;37(2):137–50

Influence of prostaglandin I2 on fibronectin-mediated phagocytosis in vivo and in vitro. Weinberg DA, et al. **J Leukocyte Biol** 1985 Feb;37(2):151–9

A sialic-acid-specific lectin from Cepaea hortensis that promotes phagocytosis of a group-B, type-Ia, streptococcal strain. Holm SE, et al. **J Med Microbiol** 1985 Jun;19(3):317–23

Inhibition of phagocytosis of polymorphonuclear leucocytes by adenosine and HoCl3 in vitro. Mirčevová L, et al. **Med Biol** 1984;62(6):326–30

Monocytes phagocytic activity in cyclosporine treated patients. Lun MT, et al. **Microbiologica** 1985 Jul;8(3):277–82

Increased autophagocytosis induced by colchicine in rat sympathetic neurons. Nicolescu PG, et al. **Morphol Embryol (Bucur)** 1984 Oct–Dec;30(4):251–4

Systemic effects of methylcholanthrene in mice. I. Splenic and hepatic phagocytosis of xenogeneic red cells. Schrieber R, et al. **Oncology** 1984;41(6):431–5

Effect of Aloe extract on peripheral phagocytosis in adult bronchial asthma. Shida T, et al. **Planta Med** 1985 Jun; (3):273–5

In vivo effect of chronic cadmium dosage on phagocytosis of sheep red blood cells. Levy L, et al. **Proc West Pharmacol Soc** 1984;27:465–8

Modulation of reticuloendothelial activity with liposomes. Hojo H, et al. **Res Commun Chem Pathol Pharmacol** 1985 Mar;47(3):373–85

Amelioration of hydroxyurea-induced suppression of phagocytosis in human granulocytes by free radical scavengers. Szczepańnska I, et al. **Scand J Haematol** 1985 Jan;34(1):35–8

Adherence of lysostaphin to and penetration into human monocytes. van den Broek PJ, et al. **Scand J Immunol** 1985 Feb;21(2):189–93

Clindamycin and its action on the susceptibility of pathogenic bacteria to phagocytosis. Gemmell CG. **Scand J Infect Dis [Suppl]** 1984;43:17–23

Measurements of reticuloendothelial system phagocytic activity in the rat after treatment with silica, liposomes, and cyclosporine. Merion RM. **Transplantation** 1985 Jul; 40(1):86–90

[Effect of 'si jun zi tang' and its constituents on phagocytosis of macrophages in the peritoneal cavity of mice] Hu ZG. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Jun;4(6):363–5 (Eng. Abstr.) **(Chi)**

[Effects of antibiotics on phagocytosis by neutrophils] Lagast H. **Rev Med Brux** 1984 Dec;5(10):692–4 (Eng. Abstr.) **(Fre)**

[Effect of carrageenan, galactose and 2,4-dinitrophenol on leukocyte phagocytosis of Staphylococcus aureus and E. coli] Stelzner A, et al. **Allerg Immunol (Leipz)** 1984; 30(4):212–21 (Eng. Abstr.) **(Ger)**

[The effect of cefaclor, doxycycline and other oral antibiotics on phagocytosis of polymorphonuclear granulocytes and PHA-induced stimulation of blood lymphocytes in man] Hahn H, et al. **Arzneimittelforsch** 1985;35(2):543–6 (Eng. Abstr.) **(Ger)**

[The phagocytosis activity of India ink in the isolated rat liver perfused with piracetam] Vömel T, et al. **Arzneimittelforsch** 1985;35(1):90–2 (Eng. Abstr.) **(Ger)**

[The effect of a nonspecific immunostimulant on the phagocytosis of erythrocytes and ink by the reticulohistiocyte system in the isolated, perfused liver of rats of various ages] Vömel T. **Arzneimittelforsch** 1984; 34(6):691–5 (Eng. Abstr.) **(Ger)**

[In vitro phagocytosis stimulation by isolated plant materials in a chemoluminescence-phagocytosis model] Wagner H, et al. **Planta Med** 1985 Apr;(2):139–44 (Eng. Abstr.) **(Ger)**

[Effect of colchicine and indomethacin on leukocytic phagocytosis of Staphylococcus aureus and E. coli] Schleef H, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Aug; 257(3):388–99 (Eng. Abstr.) **(Ger)**

[Effect of amphotericin B on phagocytosis and intracellular killing of E. coli by rat liver perfused in vitro: preliminary results] Andreana A, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30;60(6):1229–31 (Eng. Abstr.) **(Ita)**

[Increase of fibronectin-dependent phagocytosis by immune interferon of the mouse] Cofano F, et al. **G Batteriol Virol Immunol** 1983 Jan–Jun;76(1–6):104–8 (Eng. Abstr.) **(Ita)**

[Effects of anti-inflammatory drugs on oxygen metabolism associated with phagocytosis by guinea pig polymorphonuclear leukocytes] Hayakawa T, et al. **Eisei Shikenjo Hokoku** 1984;(102):40–5 (Eng. Abstr.) **(Jpn)**

[Studies on moutan cortex. IX. On the phagocytosis activity of the mouse reticuloendothelial system. (1)] Kubo M, et al. **Yakugaku Zasshi** 1985 Jan;105(1):26–32 (Eng. Abstr.) **(Jpn)**

[Animal lectin-dependent bone marrow cell-mediated cytolysis] Nakajima Y, et al. **Yakugaku Zasshi** 1985 Feb; 105(2):194–7 (Eng. Abstr.) **(Jpn)**

[Effect of long-term administration of panodin in the treatment of chronic bronchitis on the reactivity of peripheral blood granulocytes] Matusiewicz R, et al. **Wiad Lek** 1984 Oct 15;37(20):1569–72 (Eng. Abstr.) **(Pol)**

[Effect of benzylpenicillin and tetracycline on phagocytic and humoral activity and biochemical indices in experimental animals with staphylococcal infection] Balakliets NI, et al. **Antibiot Med Biotekhnol** 1985 May; 30(5):364–9 (Eng. Abstr.) **(Rus)**

[Modulation of phagocytic activity with prodigiozan and obsidan] Medvedev IuA, et al. **Antibiotiki** 1984 Nov; 29(11):848–51 (Eng. Abstr.) **(Rus)**

[Action of proteolytic enzymes from the cytosol of human erythrocytes on tuftsin, the peptide activator of phagocytosis] Alekseenko LP, et al. **Dokl Akad Nauk SSSR** 1984 Nov–Dec;279(1):226–9 **(Rus)**

[Effect of solamid-1 on the immunobiological reaction of the body] Pis'ko GT, et al. **Gig Sanit** 1984 Nov;(11):91 **(Rus)**

RADIATION EFFECTS

The effect of X-radiation on the process of lung clearance after inhalation of bacteria labelled with 3H-thymidine. Baltrukiewicz Z, et al. **Acta Physiol Pol** 1983 Sep–Dec; 34(5–6):519–23

Viability and phagocytosis of neutrophils exposed in vitro to 100-MHz radiofrequency radiation. Cleary SF, et al. **Bioelectromagnetics** 1985;6(1):53–60

[Changes in the phagocytic activity of neutrophilic leukocytes after irradiation with the He-Ne laser] Hubáček J, et al. **Cesk Otolaryngol** 1985 Jun;34(3):141–6 (Eng. Abstr.) **(Cze)**

[Increased rate of phagocytosis of polymorphonuclear leukocytes following whole-body UV irradiation and extracorporeal UV irradiation of blood] Scherf HP, et al. **Dermatol Monatsschr** 1985;171(5):319–23 (Eng. Abstr.) **(Ger)**

[Effect of irradiation on proteins and phagocytic activity of rat blood leukocytes] Naumenko LA, et al. **Radiobiologiia** 1985 Jan–Feb;25(1):99–103 (Eng. Abstr.) **(Rus)**

PHALLIC STAGE see under **PSYCHOSEXUAL DEVELOPMENT**

PHALLOIDINE see under **OLIGOPEPTIDES**

PHANTOM LIMB

Phantom limb pain and spinal anesthesia. Sellick BC. **Anesthesiology** 1985 Jun;62(6):801–2

DIAGNOSIS

Thermography as a means for quantitative assessment of stump and phantom pains. Kristen H, et al. **Prosthet Orthot Int** 1984 Aug;8(2):76–81

ETIOLOGY

The belated Viet Nam phantom. Morse RH. **J La State Med Soc** 1985 May;137(5):24–7

PHYSIOPATHOLOGY

Non-painful phantom limb phenomena in amputees: incidence, clinical characteristics and temporal course. Jensen TS, et al. **Acta Neurol Scand** 1984 Dec;70(6):407–14

Metoclopramide-induced phantom dyskinesia. Jankovic J, et al. **Neurology** 1985 Mar;35(3):432–5

Immediate and long-term phantom limb pain in amputees: incidence, clinical characteristics and relationship to pre-amputation limb pain. Jensen TS, et al. **Pain** 1985 Mar; 21(3):267–78

A comparison of phantom sensations among amputees whose amputations were of civilian and military origins. Sherman RA, et al. **Pain** 1985 Jan;21(1):91–7

Does preamputation pain influence phantom limb pain in cancer patients? Wall R, et al. **South Med J** 1985 Jan; 78(1):34–6

PSYCHOLOGY

Multiple pain complaints in amputees. Lindesay JE. **J R Soc Med** 1985 Jun;78(6):452–5

THERAPY

Phantom limb pain: relief by application of TENS to contralateral extremity. Carabelli RA, et al. **Arch Phys Med Rehabil** 1985 Jul;66(7):466–7

Relief of pain from a phantom limb by peripheral stimulation. Lundeberg T. **J Neurol** 1985;232(2):79–82

[Specialized orthopedic services for the invalids of World War II] Kuz'menko VV, et al. **Ortop Travmatol Protez** 1985 Apr;(4):12–6 **(Rus)**

PHARMACEUTIC AIDS

Saline with benzyl alcohol prevents pain of needle insertion: true but dangerous [letter] Moore DG. **Anesth Analg** 1985 May;64(5):559

Liquid crystals as a potential ointment vehicle. Wahlgren S, et al. **J Pharm Sci** 1984 Oct;73(10):1484–6

Studies on the release of solubilized drugs from ointment bases. Part 10: Modelling of the drug release process of chloramphenicol from emulsive ointments (W/O)--discussion. Kubis A, et al. **Pharmazie** 1985 Mar; 40(3):188–91

Studies on the release of solubilized drugs from ointment bases. Part 9: Modelling of drug release process of active substance from emulsive ointments (W/O)--the mathematical model. Szust J, et al. **Pharmazie** 1985 Feb; 40(2):115–7

[Between ointments and creams] Dessing RP, et al. **Ned Tijdschr Geneeskd** 1984 Sep 22;128(38):1817–9 (Eng. Abstr.) **(Dut)**

[Comparison of the kinetics of release of picric acid from 2 different types of homeopathic granules] Dubost JP, et al. **Ann Pharm Fr** 1984;42(4):323–8 (Eng. Abstr.) **(Fre)**

[Use of the kinetics of bactericidal effect of Kathon CG on known germs in order to determine its efficacy in water and in heparin hydrophilic cream] Favet J, et al. **Pharm Acta Helv** 1985;60(3):83–91 (Eng. Abstr.) **(Fre)**

[Some aspects of drug-pharmaceutic aid interactions and their effects] Keipert S. **Pharmazie** 1984 Sep;39(9):644–7 **(Ger)**

[The use of preservatives in skin preparations] Van Ooteghem M. **Pharmazie** 1984 Sep;39(9):621–5 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Dose-response assessments of Kathon biocide (I). Diagnostic use and diagnostic threshold patch testing with sensitized humans. Weaver JE, et al. **Contact Dermatitis** 1985 Mar; 12(3):141–5

[Problems of control of polymers used in drug technology] Krówczyński L. **Polim Med** 1984;14(1–4):5–12 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Bisulfite intolerance manifest as bronchospasm following topical dipivefrin hydrochloride therapy for glaucoma [letter] Schwartz HJ, et al. **Arch Ophthalmol** 1985 Jan; 103(1):14–5

Excipients and additives: hidden hazards in drug products and in product substitution. Napke E, et al. **Can Med Assoc J** 1984 Dec 15;131(12):1449–52

Chlorocresol sensitivity induced by treatment of allergic contact dermatitis with steroid creams. Archer CB, et al. **Contact Dermatitis** 1984 Sep;11(3):144–5

Kathon CG: cosmetic allergy and patch test sensitization. de Groot AC, et al. **Contact Dermatitis** 1985 Feb; 12(2):76–80

Patch tests with fragrance materials and preservatives. de Groot AC, et al. **Contact Dermatitis** 1985 Feb;12(2):87–92

Contact dermatitis from phenoxyethanol in aqueous cream BP. Lovell CR, et al. **Contact Dermatitis** 1984 Sep;11(3):187

Acute allergic contact dermatitis from diazolidinyl urea (Germall II) in a hair gel. Kantor GR, et al. **J Am Acad Dermatol** 1985 Jul;13(1):116–9

ANALYSIS

Determination of phenolic preservatives in cosmetic products using reversed-phase high-performance liquid chromatography. Gagliardi L, et al. **Farmaco [Prat]** 1985 May;40(5):165–72

Determination of preservatives in cosmetic products by reversed-phase high-performance liquid chromatography. II. Gagliardi L, et al. **J Chromatogr** 1985 May 29; 325(1):353–8

Determination of preservatives in cosmetic products by reversed-phase high-performance liquid chromatography. Gagliardi L, et al. **J Chromatogr** 1984 Dec 19;315:465–9

Alcohol in anti-asthma elixirs [letter] Barna P. **Lancet** 1985 Mar 30;1(8431):753–4

Application of the simple mathematical function for the quantitative description of in vitro release of drug agents from the ointment bases. Bialik W. **Pharmazie** 1984 Nov; 39(11):763–4

[Formaldehyde in the preservation of cosmetic products] Schubert H, et al. **Dermatol Monatsschr** 1985;171(4):240–4 (Eng. Abstr.) **(Ger)**

[Analysis and properties of condensed phosphates for medicinal and food additives] Tsuhako M, et al. **Yakugaku Zasshi** 1984 Jul;104(7):718–23 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Preservative activity in diluted corticosteroid creams. Hugo WB, et al. **J Hosp Infect** 1984 Sep;5(3):329–33

The role of plasmids in bacterial resistance to antiseptics, disinfectants and preservatives. Russell AD. **J Hosp Infect** 1985 Mar;6(1):9–19 (79 ref.)

Dynamics of disinfection of selected preservatives against Escherichia coli. Hurwitz SJ, et al. **J Pharm Sci** 1985 Aug; 74(8):892–4

[Effect of phenol in PPD solutions on the results of cellular immunity tests] López-Santiago R, et al. **Rev Latinoam Microbiol** 1984 Jan–Mar;26(1):53–60 (Eng. Abstr.) **(Spa)**

STANDARDS

Microbial contamination of a vitamin A formulation, prepared in local pharmacies, and its preservation against yeasts and moulds. van Doorne H, et al. **Antonie Van Leeuwenhoek** 1984;50(4):405–16

PHARMACEUTICAL SERVICES

Clinical pharmaceutical services in retail practice. II. Factors influencing the provision of services. Nelson AR Jr, et al. **Drug Intell Clin Pharm** 1984 Dec;18(12):992–6

[The galenic laboratory in a health service region. Technology of drug production and formulation] Topalov V, et al. **Vojnosanit Pregl** 1984 May–Jun;41(3):162–6 (Eng. Abstr.) **(Scr)**

ECONOMICS

Cost effects of restricting cost-effective therapy. Bloom BS, et al. **Med Care** 1985 Jul;23(7):872–80

HISTORY

[The monastic pharmacy of the Brothers of the Order of St. John of God and its conversion to a public service institution] Pabis-Braunstein M. **Arch Hist Med (Warsz)** 1985;48(1):63–9 (Eng. Abstr.) **(Pol)**

ORGANIZATION & ADMINISTRATION

Effect of initiation, termination, and reinitiation of consultant clinical pharmacist services in a geriatric long-term care facility. Cooper JW. **Med Care** 1985 Jan;23(1):84–8

STANDARDS

ASHP guidelines: minimum standard for pharmacies in institutions. **Am J Hosp Pharm** 1985 Feb;42(2):372–5

UTILIZATION

Medication usage in an elderly population. Ostrom JR, et al. **Med Care** 1985 Feb;23(2):157–64

Pharmacy patronage among the elderly: selected racial and geographical patterns. Shannon GW, et al. **Soc Sci Med** 1985;20(1):85–93

PHARMACIES

Independent vs. chain store pharmacy practice in Massachusetts. Deane GC, et al. **Am Pharm** 1985 Feb; NS25(2):40–3

Pharmacy counseling services, Inc. A profile. Murphy D. **Am Pharm** 1985 Feb;NS25(2):36–9

Visibility for your pharmacy. How to stand out in a crowd. Murphy D. **Am Pharm** 1984 Oct;NS24(10):46–53

[Prescription control at pharmacies] Nielsen PL. **Ugeskr Laeger** 1985 Feb 18;147(8):729–32 **(Dan)**

ECONOMICS

Promoting compliance pays off. Murphy D. **Am Pharm** 1985 Jan;NS25(1):19, 22–4

HISTORY

[Influence of German dispensaries of the 16th century on official drug usage in Hungary] Rádóczy G. **Acta Pharm Hung** 1985 Jan;55(1):25–9 **(Hun)**

[The monastic pharmacy of the Brothers of the Order of St. John of God and its conversion to a public service institution] Pabis-Braunstein M. **Arch Hist Med (Warsz)** 1985;48(1):63–9 (Eng. Abstr.) **(Pol)**

[Pharmacy in Biecz. History of the Fusek family. (From the series: Pharmacist families)] Pabis-Braunstein M. **Arch Hist Med (Warsz)** 1984;47(2):191–206 (Eng. Abstr.) **(Pol)**

ORGANIZATION & ADMINISTRATION

Operation of an allergen-extract pharmacy. Grabenstein JD. **Am J Hosp Pharm** 1985 Aug;42(8):1733–9

[Improving the services of military pharmacies] Tiurin VG. **Voen Med Zh** 1985 Jan;(1):26–9 **(Rus)**

STANDARDS

The community pharmacist as poison expert. Documenting the standards of practice. Shelly DW, et al. **Am Pharm** 1985 Feb;NS25(2):30–4

PHARMACISTS

Demonstrating mutagenicity using the Ames test [letter] Connor TH, et al. **Am J Hosp Pharm** 1985 Apr;42(4):783–4

Pharmacist in paradise. McGuire GG. **Am J Hosp Pharm** 1984 Nov;41(11):2406–9

Pharmacoepidemiology: emerging roles for pharmacists [letter] Rector TS. **Am J Hosp Pharm** 1985 Apr;42(4):778, 783

The career pharmacist [editorial] Zellmer WA. **Am J Hosp Pharm** 1985 Feb;42(2):294

The impaired pharmacist. **Am Pharm** 1985 Jun;NS25(6):37

Addiction: three stories. **Am Pharm** 1985 Jun;NS25(6):38–9

One road to recovery: the Georgia program. Bunting GA, et al. **Am Pharm** 1985 Jun;NS25(6):52–4

Pharmacists were sabotaging my patient care. Crackower S. **Am Pharm** 1984 Sep;NS24(9):6–8

The pharmacist's responsibility to determine limits to prescribing authority. Fink JL 3d, et al. **Am Pharm** 1984 Oct;NS24(10):74–5

The impaired pharmacist. Setting up a program: how one group went about it. Metge CJ, et al. **Am Pharm** 1985 Jun; NS25(6):49–51

The employee pharmacist: countering the frustration. Murphy D. **Am Pharm** 1985 Jun;NS25(6):30–4

Enteral nutrition: a 'natural' for pharmacy. Murphy DH. **Am Pharm** 1984 Sep;NS24(9):34–41

Aiding impaired pharmacists: what's being done today? Nickel RO, et al. **Am Pharm** 1985 Jun;NS25(6):40–4

Impairment risk in North Carolina pharmacists. Normark JW, et al. **Am Pharm** 1985 Jun;NS25(6):45–8

Capital punishment and the responsible pharmacist. Perchak GJ. **Am Pharm** 1985 Jul;NS25(7):6–7

Enhancing communication with elderly patients. Portnoy E. **Am Pharm** 1985 Aug;NS25(8):50–5

The law and the impaired pharmacist. Simonsmeier LM, et al. **Am Pharm** 1985 Jun;NS25(6):63–8

Identifying the pharmacist's professional status. Szeinbach SL, et al. **Am Pharm** 1984 Sep;NS24(9):60–3

Pharmacists as speakers: getting started. Thompson CL. **Am Pharm** 1985 Jul;NS25(7):50–1

Mutation frequency in nurses and pharmacists working with cytotoxic drugs. Chrysostomou A, et al. **Aust NZ J Med** 1984 Dec;14(6):831–4

Evaluation of family physician prescribing: influence of the clinical pharmacist. Carter BL, et al. **Drug Intell Clin Pharm** 1984 Oct;18(10):817–21

Counseling the oncology patient. Du Vall E, et al. **Drug Intell Clin Pharm** 1984 Sep;18(9):743–4

The role of the pharmacist in home health care. McAllister JC 3d. **Drug Intell Clin Pharm** 1985 Apr;19(4):282–4

Clinical pharmaceutical services in retail practice. II. Factors influencing the provision of services. Nelson AR Jr, et al. **Drug Intell Clin Pharm** 1984 Dec;18(12):992–6

Pharmacists' views on mandatory patient counseling. Robinson JD, et al. **Drug Intell Clin Pharm** 1984 Nov; 18(11):913–7

Clinical pharmaceutical services in retail practice. I. Pharmacists' willingness and abilities to provide services. Zelnio RN, et al. **Drug Intell Clin Pharm** 1984 Nov; 18(11):917–22

Evaluation of a pharmacist-managed anticoagulation clinic. Cohen IA, et al. **J Clin Hosp Pharm** 1985 Jun;10(2):167–75

The role of the pharmacist in the anticoagulant clinic. Pegg M, et al. **J R Coll Physicians Lond** 1985 Jan;19(1):39–44

The effects of drug counseling and other educational strategies on drug utilization of the elderly. Hammarlund ER, et al. **Med Care** 1985 Feb;23(2):165–70

[The importance of eye symptoms and eye conditions for the pharmacist] Laux U. **Med Monatsschr Pharm** 1984 Nov; 7(11):324–8 **(Ger)**

[Current occupational pathology in medical personnel] Ashbel' SI. **Sov Med** 1984;(7):66–9 **(Rus)**

HISTORY

Medical education and practice in Britain 150 years ago: a verbatim testimony [letter] Whittet D. **Br Med J [Clin Res]** 1985 Mar 16;290(6471):859–60

Presentation of the Galen Medal to John Franklin Enders. Dudgeon JA. **Rev Infect Dis** 1985 Mar–Apr;7(2):278–83

PSYCHOLOGY

Pharmacists' perceptions of mental health care, psychiatrists, and mentally ill patients. Bryant SG, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1366–9

Progressive discipline. White SJ, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1824–8

Job stress in pharmacy practice: implications for managers. Wolfgang AP, et al. **Am Pharm** 1985 Jul;NS25(7):46–9

Rho Chi Lecture Award. Is it possible to teach scientific creativity in the pharmaceutical sciences? Anecdotes and memorabilia. Garrett ER. **Drug Intell Clin Pharm** 1985 Jul–Aug;19(7–8):590–8

EWARK PUBLIC LIBRARY

PHARMACISTS' AIDES

Role of pharmacy technicians on the cardiac-arrest team [letter] Michael KA, et al. **Am J Hosp Pharm** 1984 Oct; 41(10):1996, 2000

EDUCATION

Six-month hospital-pharmacy-based technician training program. Phillips DJ, et al. **Am J Hosp Pharm** 1984 Dec; 41(12):2614-8

Training hospital pharmacy technicians [editorial] Ray MD. **Am J Hosp Pharm** 1984 Dec;41(12):2595-6

Pharmacy technician training in the United States Army. Whisenant AD. **Am J Hosp Pharm** 1984 Dec; 41(12):2606-14

PSYCHOLOGY

Observational study of job satisfaction in hospital pharmacy technicians. Sanford ME, et al. **Am J Hosp Pharm** 1984 Dec;41(12):2599-606

UTILIZATION

Technicians in pharmacy organizations [editorial] Zellmer WA. **Am J Hosp Pharm** 1984 Dec;41(12):2596

PHARMACOGENETICS

Pharmacogenetic perspectives: genes, drugs and disease. Vesell ES. **Hepatology** 1984 Sep-Oct;4(5):959-65 (69 ref.)

N-acetylation pharmacogenetics. Weber WW, et al. **Pharmacol Rev** 1985 Mar;37(1):25-79 (467 ref.)

Relevance of genetic variability to clinical psychopharmacology. Cohen BM, et al. **Psychopharmacol Bull** 1985;21(3):641-50

Pharmacogenetics of phenylethylamine: determination of heritability and genetic transmission of locomotor effects in recombinant inbred strains of mice. Jeste DV, et al. **Psychopharmacology (Berlin)** 1984;84(4):537-40

[Pharmacogenetics: theoretical and practical aspects] Paoletti V, et al. **Ann Ist Super Sanita** 1983;19(2-3):241-56 (53 ref.) (Eng. Abstr.) **(Ita)**

[Teaching the fundamentals of pharmacogenetics in a medical school] Skakun NP. **Klin Med (Mosk)** 1985 Mar;63(3):132-5 **(Rus)**

PHARMACOGNOSY

see related
PLANTS, MEDICINAL

METHODS

[Value of in vitro plant cell and tissue cultures and their pharmaceutical applications] Leclercq J. **J Pharm Belg** 1984 Nov-Dec;39(6):401-8 (Eng. Abstr.) **(Fre)**

TRENDS

Research in the Division of Pharmacognosy. Baerheim Svendsen A. **Pharm Weekbl [Sci]** 1985 Apr 26;7(2):55-8

PHARMACOLOGY

see related
DRUG THERAPY

A strategy for the biological assessment of addiction. Kauffman JF, et al. **Adv Alcohol Subst Abuse** 1983-84 Fall-Winter;3(1-2):7-18 (26 ref.)

Drugs affecting lipid metabolism VIII. Proceedings of the Eighth International Symposium on Drugs Affecting Lipid Metabolism, July 27-30, 1983, Philadelphia, Pennsylvania. **Adv Exp Med Biol** 1985;183:1-502

Review of reviews. Way EL. **Annu Rev Pharmacol Toxicol** 1985;25:769-75 (12 ref.)

Belgian Society of Physiology and Pharmacology. Meeting at Ghent, November 1984. Abstracts. **Arch Int Physiol Biochim** 1985 May;93(1):P1-34

Uses of molecular volume in biochemical pharmacology. Mellors A, et al. **Biochem Pharmacol** 1985 Jul 15; 34(14):2413-6

Proceedings of the British Pharmacological Society. London, 17th-19th December, 1984. Abstracts. **Br J Pharmacol** 1985 Mar;84 Suppl:1P-203P

Proceedings of the British Pharmacological Society. Cardiff, 10th-12th April. 1985. Abstracts. **Br J Pharmacol** 1985 Jun; 85 Suppl:204P-393P

Proceedings of the British Pharmacological Society. University of Dundee, 11th-14th September, 1984. Abstracts. **Br J Pharmacol** 1984 Dec;83 Suppl:349P-463P

Pharmacoepidemiology: a new discipline [editorial] Lawson DH. **Br Med J [Clin Res]** 1984 Oct 13;289(6450):940-1

Proceedings of the 9th congress of the Sociedade Brasileira de Biofisica, 2nd congress of the Sociedade Brasileira de Farmacologia e Terapêutica Experimental, 19th congress of the Sociedade Brasileira de Fisiologia. June 30-July 4, 1984, São Paulo. Abstracts. Palma MS, et al. **Braz J Med Biol Res** 1984;17(5-6):387-550

Proceedings of the Australasian Society of Clinical and Experimental Pharmacologists. 17th annual meeting, 12-14 December 1983, University of Newcastle, N.S.W. Abstracts. **Clin Exp Pharmacol Physiol [Suppl]** 1984; (8):31-139

Proceedings of the Australasian Society of Clinical and Experimental Pharmacologists. Meeting, 19-20 May 1983, University of Auckland, New Zealand. Abstracts. **Clin Exp Pharmacol Physiol [Suppl]** 1984;(8):1-30

Drug mechanisms. National Academy of Clinical Biochemistry. 8th annual meeting. Washington, D.C., July 27-28, 1984. **Clin Physiol Biochem** 1985;3(2-3):65-156

An expert system for information on pharmacology and drug interactions. Roach J, et al. **Comput Biol Med** 1985; 15(1):11-23

Assessment of the opiate properties of two constituents of a toxic illicit drug mixture. Johannessen JN, et al. **Drug Alcohol Depend** 1984 Jul;13(4):367-74

Quantum pharmacology. Richards WG. **Endeavour** 1984; 8(4):172-8

Pharmacological considerations for the elderly patient. Ernst NS, et al. **J Oral Med** 1984 Jul-Sep;39(3):131-5

British Pharmaceutical Conference 1984. Science proceedings, 121st meeting, Southampton, September 11-14, 1984. Abstracts. **J Pharm Pharmacol** 1984 Dec;36 Suppl:1P-90P

Proceedings: 57th general meeting, Japanese Pharmacological Society. March 23-26, 1984, Kyoto, Japan. Abstracts. **Jpn J Pharmacol** 1984;36 Suppl:1P-365P

Contributions of neuropharmacology to understanding mechanisms of tolerance and dependence. Adler MW, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:27-38 (27 ref.)

Genetic determinants of responses to drugs of abuse: an evaluation of research strategies. Shuster L. **Natl Inst Drug Abuse Res Monogr Ser** 1984;54:50-69 (58 ref.)

Deutsche Pharmakologische Gesellschaft. Abstracts, 26th spring meeting. March 12-15, 1985, Mainz. **Naunyn Schmiedebergs Arch Pharmacol** 1985;329 Suppl:R1-104

Australasian Society of Clinical and Experimental Pharmacology, New Zealand branch, May 1984. Abstracts. **NZ Med J** 1985 Apr 24;98(777):291-6

Effective and efficient use of drug level measurements to guide medication dosing. Kauffman RE. **Pediatr Ann** 1985 Apr;14(4):332-4, 336, 339

The Center for Bio-Pharmaceutical Sciences: scope and perspectives. Breimer DD, et al. **Pharm Weekbl [Sci]** 1985 Apr 26;7(2):31-3

The usefulness, in pharmacological classification, of complementary pattern-recognition techniques and structure modelling as afforded by the iterative collation of multiple-trial data in data banks. Cingolani ML, et al. **Pharmacol Res Commun** 1985 Jan;17(1):1-22 (31 ref.)

Ethopharmacological aggression research. Proceedings of a Symposium of Psychopharmacology of Aggression. September 28-29, 1983, Zeist, The Netherlands. **Prog Clin Biol Res** 1984;167:1-275

The use of flow microfluorometry for pharmaceutical testing. Siegel EB. **Regul Toxicol Pharmacol** 1984 Sep;4(3):287-304

Wooldridge Memorial lecture. Pharmacology and new drug discoveries--should veterinarians be interested? Black J. **Vet Rec** 1984 Nov 3;115(18):466-70

[Biologic rhythms and chronopharmacology] Bruguerolle B. **Ann Gastroenterol Hepatol (Paris)** 1984 Mar-Apr; 20(2):87-91 **(Fre)**

[Present possibilities of animal cell cultures for pharmacodynamic studies] Lechat P, et al. **Ann Pharm Fr** 1984;42(5):403-15 (63 ref.) (Eng. Abstr.) **(Fre)**

[A survey of various new drugs] Oslet J. **J Pharm Belg** 1984 Sep-Oct;39(5):299-316 **(Fre)**

[Therapeutic effects cannot be studied in a healthy person] Lecomte J. **Rev Med Liege** 1984 Aug 1-15; 39(15-16):597-603 **(Fre)**

[Problems of multiple tests and evaluations in drug research] Forst HT. **Arzneimittelforsch** 1985;35(3):563-9 (Eng. Abstr.) **(Ger)**

[The role of significant tests in drug research. A comment on the work of Forst, 'Problems of multiple tests and evaluations in drug research'] Schneider B. **Arzneimittelforsch** 1985;35(3):568-9 **(Ger)**

[Homeopathy and pharmacology. Pharmacologic discussion of homeopathic drugs] Wiesenauer M. **Med Monatsschr Pharm** 1985 Feb;8(2):37-41 **(Ger)**

[Current problems in drug research] Nuhn P. **Pharmazie** 1985 Jan;40(1):1-9 (75 ref.) **(Ger)**

[Proceedings of the 34th meeting of the Japanese Society of Pharmacology, Northern Division. Abstracts] **Nippon Yakurigaku Zasshi** 1984 Jun;83(6):37P-71P **(Jpn)**

[Proceedings of the 69th meeting of the Japanese Society of Pharmacology, Kanto Division. Abstracts] **Nippon Yakurigaku Zasshi** 1984 Jun;83(6):73P-109P **(Jpn)**

[The problem of modelling in pharmacology] Zakusov VV. **Biull Eksp Biol Med** 1985 Jun;99(6):757-60 **(Rus)**

[Assessing drug effects] Molčan J, et al. **Cas Lek Cesk** 1985 Aug 2;124(31):982-3 (Eng. Abstr.) **(Slo)**

[Argentinian Association of Experimental Pharmacology. 25th annual meeting. Abstracts of scientific communications. La Falda, Cordoba, 2-5 November 1983] **Acta Physiol Pharmacol Latinoam** 1984;34(4):447-91 **(Spa)**

[Abstracts of proceedings: 5th annual meeting of the Sociedad de Farmacologia de Chile] **Arch Biol Med Exp (Santiago)** 1983 Nov;16(2):R195-209 **(Spa)**

EDUCATION

Are complex multiple-choice options more difficult and discriminating than conventional multiple-choice options? Tripp A, et al. **J Nurs Educ** 1985 Mar;24(3):92-8

Education of medical students in relation to drug development, safety and efficacy. George CF, et al. **Med Educ** 1985 Jul;19(4):320-5

HISTORY

Reminiscences in pharmacology: auld acquaintance ne'er forgot. Welch AD. **Annu Rev Pharmacol Toxicol** 1985; 25:1-26

Thomas Dover--physician, pirate and powder, as seen through the looking glass of 20th-century physicians. Duke M. **Conn Med** 1985 Mar;49(3):179-82

[A course in English on Chinese materia medica. (15)Li Shi-Zhen--a great physician and herbalist] Liu ZZ. **Chung Yao Tung Pao** 1984 Jul;9(4):187-90 (Eng. Abstr.) **(Chi)**

[100 years of development of chemical drugs] Nováček L. **Cesk Farm** 1984 Dec;33(10):444-7 **(Cze)**

[Materia medica in Hungary] Kempler K. **Orv Hetil** 1985 Jan 27;126(4):227-8 **(Hun)**

[Along the roads of war that led to victory] **Farmakol Toksikol** 1985 May-Jun;48(3):5-15 **(Rus)**

[V. P. Filatov's theory of tissue therapy in modern pharmacology] Mozgov IE. **Farmakol Toksikol** 1984 Nov-Dec;47(6):99-101 **(Rus)**

INSTRUMENTATION

A new type of positively charged filter: preliminary test results. Carazzone M, et al. **J Parenter Sci Technol** 1985 Mar-Apr;39(2):69-75

METHODS

Diffusion from an injected volume of a substance in brain tissue with arbitrary volume fraction and tortuosity. Nicholson C. **Brain Res** 1985 May 6;333(2):325-9

A chronic arterial and venous cannulation method for freely moving rats. Lestage P, et al. **J Neurosci Methods** 1985 May;13(3-4):213-22

Trends in drug discrimination research analysed with a cross-indexed bibliography, 1982-1983. Stolerman IP, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):1-11 (191 ref.)

[Unity through diversity: the use of multivariate methods in drug research] Mager PP. **Pharm Unserer Zeit** 1984 Sep; 13(5):147-55 **(Ger)**

[Discrete and continuous mathematical models of intraspecific behavior in the pharmacoethology of the mouse] Poshivalov VP, et al. **Zh Vyssh Nerv Deiat** 1985 May-Jun;35(3):487-96 (Eng. Abstr.) **(Rus)**

TRENDS

New drugs and drug delivery systems in the year 2000. Check WA. **Am Pharm** 1984 Sep;NS24(9):44-56

Forty years of pharmacological research. West GB. **J R Soc Med** 1984 Dec;77(12):1030-6

Research in the Division of Pharmacology. Breimer DD. **Pharm Weekbl [Sci]** 1985 Apr 26;7(2):63-6

From flywheel to dovetail. In 't Veld RJ. **Pharm Weekbl [Sci]** 1985 Apr 26;7(2):34-7

[Challenges of the future in pharmacology] Petkov V. **Eksp Med Morfol** 1985;24(1):1-7 **(Bul)**

[Drugs of the future] Malangeau P. **J Pharm Belg** 1984 May-Jun;39(3):159-72 **(Fre)**

[Projection of new drugs] Macchia B. **Farmaco [Prat]** 1985 Jan;40(1):3-21 (Eng. Abstr.) **(Ita)**

[Pharmacology and scientific and technical progress] Mashkovskii MD. **Farmakol Toksikol** 1985 Mar-Apr; 48(2):5-14 **(Rus)**

[Current trends in the search for membrane-active compounds and membrane-active compound-based drugs] Smirnov LD, et al. **Vestn Akad Med Nauk SSSR** 1984; (11):89-94 (50 ref.) **(Rus)**

PHARMACOLOGY, CLINICAL

Clinical pharmacy services in Florida hospitals--1984. Salem RB, et al. **Am J Hosp Pharm** 1985 Jul;42(7):1562-4

The role of clinical pharmacology in the development and evaluation of oral controlled-release dosage forms. Kendall MJ, et al. **Br J Clin Pharmacol** 1985;19 Suppl 2:65S-67S

Who needs clinical pharmacology? [letter] **Br Med J [Clin Res]** 1984 Nov 24;289(6456):1451

Chemoprevention of cancer: implications for clinical pharmacology. Micozzi MS, et al. **J Clin Pharmacol** 1985 Apr;25(3):164-75

Clinical pharmacology in practice. Pearson RM, et al. **J R Coll Physicians Lond** 1984 Oct;18(4):219-21

Pharmaceutical medicine. Goldberg A, et al. **Lancet** 1985 Feb 23;1(8426):447-8

Compliance: one of the most important correlations in clinical pharmacology. Lücker PW. **Methods Find Exp Clin Pharmacol** 1984 Oct;6(10):557-9

[Notes from clinical pharmacology facilities in Berlin] Perlík F. **Cas Lek Cesk** 1985 Jan 25;124(4):123 **(Cze)**

[Value and limitations of clinical pharmacology] Thys JP.

Rev Med Brux 1985 Apr;6(4):243-4 (Eng. Abstr.) **(Fre)**

[Clinical pharmacology and therapeutic efficacy] Coen D, et al. **Recenti Prog Med** 1985 May;76(5):280-3 **(Ita)**

EDUCATION

Essentials of clinical pharmacology for education and research in developing countries [editorial] Richens A, et al. **Br J Clin Pharmacol** 1984 Aug;18(2):123-5

HISTORY

Clinical pharmacology in the United States: a personal reminiscence. Lasagna L. **Annu Rev Pharmacol Toxicol** 1985;25:27-31

The discipline of clinical pharmacology. Reidenberg MM. **Clin Pharmacol Ther** 1985 Jul;38(1):2-5

METHODS

How to establish a pharmacokinetics consulting service for ambulatory patients. Robinson JD, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2048-53

Systolic time intervals--a new technique in clinical pharmacology. Warrington S. **Methods Find Exp Clin Pharmacol** 1985 Feb;7(2):93-8

TRENDS

The 'status quo' of clinical pharmacology in Japan. Shibuya T. **Int J Clin Pharmacol Ther Toxicol** 1985 Jul;23(7):333-8

[Clinical pharmacology and clinical pharmacy in a general clinical hospital] Demchenko VT, et al. **Sov Zdravookhr** 1984;(9):27-9 **(Rus)**

PHARMACOPOEIAS

Pharmacopoeia of traditional medicine in Venda. Arnold HJ, et al. **J Ethnopharmacol** 1984 Oct;12(1):35-74

Retrospective view of the interfacial relationship of the pharmaceutical industry with the Food and Drug Administration and the United States Pharmacopeia. Hammer HF. **J Parenter Sci Technol** 1984 Jul-Aug;38(4):159-63

A comparative study of BP and USP rotating basket dissolution apparatus. Smith WJ, et al. **J Pharm Pharmacol** 1985 Feb;37(2):124-5

The restricted list of NHS drugs: a burning question [editorial] **Lancet** 1985 Mar 2;1(8427):497

Management of a restricted drugs policy in hospital: the first five years' experience. Collier J, et al. **Lancet** 1985 Feb 9;1(8424):331-3

Clinical pharmacologists and the limited list [letter] Turner P. **Lancet** 1985 Mar 16;1(8429):644

[Changes in the botanical names in the Pharmacopeia of the People's Republic of China (1977 revision) Part I] Huang XC. **Chung Yao Tung Pao** 1985 Jan;10(1):12-3 **(Chi)**

[The East German Pharmacopoeia in its official 1 December 1983 version] Eichhorn A, et al. **Pharmazie** 1984 Aug;39(8):525-30 **(Ger)**

[The history of dosage form from the German Pharmacopoeia I to II of East Germany] Heise HG, et al. **Pharmazie** 1984 Jul;39(7):445-61 **(Ger)**

[Non-aqueous protometry as a pharmacopeia method of drug analysis] Safařík L, et al. **Pharmazie** 1984 Dec;39(12):843-52 **(Ger)**

[Therapeutic compendium in the microcomputer] Horoch A. **Pol Tyg Lek** 1985 Feb 18;40(7):209 **(Pol)**

HISTORY

Adoption of the metric system by the U.S. Pharmacopoeia. Higby GJ, et al. **J Hist Med Allied Sci** 1985 Apr;40(2):207-13

Opinions on old pharmacopeias integration into modern therapy. Gheorghiu E. **Sante Publique (Bucur)** 1984;27(1):83-8

[Influence of German dispensaries of the 16th century on official drug usage in Hungary] Rádóczy G. **Acta Pharm Hung** 1985 Jan;55(1):25-9 **(Hun)**

[Medieval medical manuscript of Jan of Poznań] Giżewski D. **Arch Hist Med (Warsz)** 1984;47(4):509-13 (Eng. Abstr.) **(Pol)**

PHARMACOTHERAPY see **DRUG THERAPY**

PHARMACY

see related
COMMUNITY PHARMACY SERVICES
PHARMACY SERVICE, HOSPITAL
PRESCRIPTIONS, DRUG
TECHNOLOGY, PHARMACEUTICAL

Research--the cornerstone of pharmacy practice. Harvey A.K. Whitney lecture. Eckel FM. **Am J Hosp Pharm** 1985 Aug;42(8):1717-23

Statistical and research quality of the medical and pharmacy literature. Thorn MD, et al. **Am J Hosp Pharm** 1985 May;42(5):1077-82

Extending clinical pharmacy practice. Schlegel JF. **Am Pharm** 1984 Dec;NS24(12):36-7

Positions held by graduates of postgraduate pharmacy fellowship programs. Powell SH, et al. **Drug Intell Clin Pharm** 1985 Jan;19(1):57-9

[The pharmacy profession in our society. I. Problems with professional prestige and with the evaluation of opinions of students and graduates of pharmacy schools] Fifková V, et al. **Cesk Farm** 1984 Feb;33(1):27-9 (Eng. Abstr.) **(Cze)**

[Medicine and clinical pharmacy] Jeřábek V. **Cesk Farm** 1984 Oct;33(8):315-21 **(Cze)**

[A survey of the use of professional literature in pharmaceutical workplaces] Kostka V, et al. **Cesk Farm** 1984 Feb;33(1):34-6 **(Cze)**

[Study of the readability and level of intelligibility of work published in professional pharmaceutical journals] Kostka V, et al. **Cesk Farm** 1984 Nov;33(9):339-400 **(Cze)**

[Theoretical and laboratory requirements for clinical pharmacy positions] Květina J, et al. **Cesk Farm** 1984 Feb;33(1):1-5 **(Cze)**

ECONOMICS

Pharmacist financial compensation from 1979 to 1982. Shepherd MD, et al. **Am J Hosp Pharm** 1984 Nov;41(11):2390-5

HISTORY

Reflections on clinical pharmacy's first 20 years. Parker PF. **Am J Hosp Pharm** 1985 Jun;42(6):1293-7

[Dr. O. Tomíček and his analytical school] Votavová J. **Cesk Farm** 1984 Jun;33(5):213-4 **(Cze)**

[The history of pharmaceutical science. 14. Personality and the history of pharmacy] Friedrich C, et al. **Pharmazie** 1985 May;40(5):349-53 **(Ger)**

[The history of drugs in Thuringia] Hellmuth H. **Pharmazie** 1985 May;40(5):353-5 **(Ger)**

[Franciszek Nowak (1901-1983), a Silesian researcher on the history of pharmacy and chronicler of its present-day developments] Burzyński A, et al. **Arch Hist Med (Warsz)** 1985;48(1):7-17 **(Pol)**

[Medieval medical manuscript of Jan of Poznań] Giżewski D. **Arch Hist Med (Warsz)** 1984;47(4):509-13 (Eng. Abstr.) **(Pol)**

[Pharmacy in Biecz. History of the Fusek family. (From the series: Pharmacist families)] Pabis-Braunstein M. **Arch Hist Med (Warsz)** 1984;47(2):191-206 (Eng. Abstr.) **(Pol)**

[Museum pieces of the Pharmacy Department of the Łódź Medical Academy and their role in exhibits, didactics and research works] Pankiewicz H. **Arch Hist Med (Warsz)** 1985;48(1):31-40 (Eng. Abstr.) **(Pol)**

[Various aspects of Polish pharmacy in the work of H. Schelenz 'Geschichte der Pharmazie'] Pankiewicz H. **Arch Hist Med (Warsz)** 1985;48(2):183-6 **(Pol)**

[Prof. Henryk Bukowiecki as the historian of pharmacy (speech made on the occasion of his 80th birthday on May 10, 1983 in Warsaw] Pankiewicz H. **Arch Hist Med (Warsz)** 1984;47(3):389-93 **(Pol)**

[Mutual relations between pharmacists of Levoča and Prešov from the 17th through the 19th centuries] Bartunek A, et al. **Cesk Farm** 1984 Sep;33(7):308-11 (Eng. Abstr.) **(Slo)**

MANPOWER

[Prognosis for physicians and pharmacists to the year 2000] Svatošová J, et al. **Cesk Zdrav** 1984 Dec;32(12):497-503 (Eng. Abstr.) **(Cze)**

TRENDS

Pharmacy in the twenty-first century: results of a strategic-planning conference. **Am J Hosp Pharm** 1985 Jan;42(1):71-80

Implications of new technology for pharmacy education and practice. Brodie DC, et al. **Am J Hosp Pharm** 1985 Jan;42(1):81-95

Career management: understanding the process. Mackowiak J, et al. **Am J Hosp Pharm** 1985 Feb;42(2):297-303

Career management: an ongoing process. Mackowiak J, et al. **Am J Hosp Pharm** 1985 May;42(5):1058-62

Building our image as a clinical profession. Miller WA. **Am J Hosp Pharm** 1985 Jun;42(6):1323-30

Practitioner-educator coalition for reprofessionalizing an occupation. Walton CA. **Am J Hosp Pharm** 1985 Jun;42(6):1314-20

Building bridges of cooperation and understanding. Carlin HS. **Am Pharm** 1985 Jan;NS25(1):56-8

Predictions on the future: what's ahead for pharmacy. Day RL. **Am Pharm** 1985 Aug;NS25(8):6-8

What's wrong with APhA? Dickinson JG. **Am Pharm** 1985 Jun;NS25(6):6-9

Extemporaneous compounding: promotional and legal aspects. Fassett WE, et al. **Am Pharm** 1984 Aug;NS24(8):62-7

New ideas for pharmacy's 'Foundation Organization'. An interview with APhA President John F. Schlegel [by John Covert] Schlegel JF. **Am Pharm** 1984 Aug;NS24(8):50-6

Pharmaceutical education and the practice of pharmacy. Levy G. **Drug Intell Clin Pharm** 1984 Oct;18(10):829-32

[The pharmacist faces the future: the evolution of North American pharmacy, a utopia or a source of inspiration] Braun J. **J Pharm Belg** 1984 Sep-Oct;39(5):285-91 **(Fre)**

[Drugs of the future] Malangeau P. **J Pharm Belg** 1984 May-Jun;39(3):159-72 **(Fre)**

[The pharmacist facing his future] Verain A. **J Pharm Belg** 1984 May-Jun;39(3):147-58 **(Fre)**

[Projection of new drugs] Macchia B. **Farmaco [Prat]** 1985 Jan;40(1):3-21 (Eng. Abstr.) **(Ita)**

PHARMACY ADMINISTRATION

see related
FEES, PHARMACEUTICAL
INSURANCE, PHARMACEUTICAL SERVICES

Management seminar miniseries for training pharmacy residents. Gallina JN, et al. **Am J Hosp Pharm** 1985 Feb;42(2):320-2

Leadership styles of hospital pharmacy directors. Parrett EE, et al. **Am J Hosp Pharm** 1985 May;42(5):1069-73

Inducing you to use generics: what third party programs are offering. Colaizzi JL, et al. **Am Pharm** 1985 Aug;NS25(8):44-9

Managing for change: mastering your environment. Murphy DH. **Am Pharm** 1985 Aug;NS25(8):40-3

[Professional management in pharmacies] Mikoláš J. **Cesk Farm** 1984 Nov;33(9):361-3 **(Cze)**

LEGISLATION & JURISPRUDENCE

How to select your pharmacy's legal form of organization. Thomas J 3d. **Am Pharm** 1984 Dec;NS24(12):66-70

ORGANIZATION & ADMINISTRATION

[Activity of management personnel in the pharmacy service. II. Analysis of the activity of chief pharmacists in type II pharmacies] Solich J, et al. **Cesk Farm** 1984 Oct;33(8):322-6 (Eng. Abstr.) **(Cze)**

PHARMACY AND THERAPEUTICS COMMITTEE

see related
FORMULARIES, HOSPITAL

Medical committee enforcement of policy limiting postsurgical antibiotic use. Nickman NA, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2053-6

Management of a restricted drugs policy in hospital: the first five years' experience. Collier J, et al. **Lancet** 1985 Feb 9;1(8424):331-3

An unhappy outlook for drug therapy [letter] Dawes PT, et al. **Lancet** 1984 Oct 13;2(8407):863

Clinical pharmacologists and the limited list [letter] Turner P. **Lancet** 1985 Mar 16;1(8429):644

HISTORY

[Organization of the German Pharmaceutical Councils and drug control in the so-called General Gouvernement 1939-1945] Jeśman C. **Arch Hist Med (Warsz)** 1984;47(3):403-15 (Eng. Abstr.) **(Pol)**

ORGANIZATION & ADMINISTRATION

Improving pharmacy and therapeutics committee operations. Cohen MR, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1767-77

Controlling cephalosporin and aminoglycoside costs through pharmacy and therapeutics committee restrictions. Hayman JN, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1343-7

STANDARDS

Evaluation of pharmacy and therapeutics committee drug evaluation reports. Majercik PL, et al. **Am J Hosp Pharm** 1985 May;42(5):1073-6

'Article-induced' dyscontrol [letter] Gardner DL, et al. **Am J Psychiatry** 1985 Jun;142(6):776

PHARMACY SERVICE, CLINICAL see **PHARMACY SERVICE, HOSPITAL**

PHARMACY SERVICE, HOSPITAL

Effectiveness of a computer-supported refill reminder system. Baird TK, et al. **Am J Hosp Pharm** 1984 Nov;41(11):2395-7

Pharmacists' perceptions of mental health care, psychiatrists, and mentally ill patients. Bryant SG, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1366-9

Research--the cornerstone of pharmacy practice. Harvey A.K. Whitney lecture. Eckel FM. **Am J Hosp Pharm** 1985 Aug;42(8):1717-23

Computerized operations manual for sterile products [letter] Giudici RA, et al. **Am J Hosp Pharm** 1984 Dec;41(12):2586, 2588

Career management: an ongoing process. Mackowiak J, et al. **Am J Hosp Pharm** 1985 May;42(5):1058-62

Computer help for missing doses and refills [letter] Simonian AI, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1268, 1271

Performance-based pharmacy internship program. Wunderley DJ. **Am J Hosp Pharm** 1984 Nov;41(11):2371-3

The career pharmacist [editorial] Zellmer WA. **Am J Hosp Pharm** 1985 Feb;42(2):294

Kinetic dosing computer support [letter] Hittel WP, et al. **Drug Intell Clin Pharm** 1985 Feb;19(2):141

The role of the pharmacist in home health care. McAllister JC 3d. **Drug Intell Clin Pharm** 1985 Apr;19(4):282-4

Therapeutic drug monitoring as a standard of care. McLeod DC, et al. **Drug Intell Clin Pharm** 1985 Jun;19(6):473-4

Evaluation of appropriateness and interpretation of serum theophylline assays. Sargenti C, et al.

Drug Intell Clin Pharm 1985 May;19(5):380-4

How can pharmacists develop and implement a home antibiotic program? Schneider PJ. **Drug Intell Clin Pharm** 1985 Apr;19(4):285-7

Blood sampling errors: a problem and challenge for therapeutic drug monitoring services. Slaughter RL. **Drug Intell Clin Pharm** 1985 May;19(5):368-9

Pharmacy relocation cuts costs, increases revenues. Elliott MW, et al. **Hospitals** 1985 Feb 16;59(4):104

Microbial contamination of non-sterile pharmaceutical products made in hospitals in the North East Thames Regional Health Authority. Baird RM. **J Clin Hosp Pharm** 1985 Mar;10(1):95-100

Prevalence of gram-negative bacilli in nares and on hands of pharmacy personnel: lack of effect of occupational exposure to antibiotics. Weil DC, et al. **J Clin Microbiol** 1984 Nov;20(5):933-5

Clinical pharmacology in practice. Pearson RM, et al. **J R Coll Physicians Lond** 1984 Oct;18(4):219-21

Management of a restricted drugs policy in hospital: the first five years' experience. Collier J, et al. **Lancet** 1985 Feb 9;1(8424):331-3

Management of parenteral nutrition aided by microcomputer. Goggin MJ, et al. **Med Inf (Lond)** 1985 Jan-Mar;10(1):5-12

ECONOMICS

ASHP technical assistance bulletin on assessing cost-containment strategies for institutional pharmacies. **Am J Hosp Pharm** 1985 Jul;42(7):1583-91

ASHP statement on third-party compensation for clinical services by pharmacists. **Am J Hosp Pharm** 1985 Jul;42(7):1580-1

ASHP guidelines for implementing and obtaining compensation for clinical services by pharmacists. **Am J Hosp Pharm** 1985 Jul;42(7):1581-2

Variable cost per dose of preparing and administering small-volume cephalosporin admixtures. Veterans Administration Pharmacy Service Study Group. **Am J Hosp Pharm** 1984 Dec;41(12):2624-34

Personal letters to physicians about nonformulary drug orders [letter] Adler M, et al. **Am J Hosp Pharm** 1985 Aug;42(8):1706

Time and cost comparison of four methods of filling drug manufacturers' piggyback bottles. Anderson ER Jr, et al. **Am J Hosp Pharm** 1985 May;42(5):1083-6

Continuing a clinical pharmacokinetic dosing service under prospective pricing [letter] Appleby DH, et al. **Am J Hosp Pharm** 1985 Aug;42(8):1708, 1710

Monitoring a primary wholesaler depot program. Christensen DB, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1778-82

Implementation and cost analysis of a syringe pump system for intermittent i.v. drug delivery. Colangelo A, et al. **Am J Hosp Pharm** 1985 Mar;42(3):581-4

Reimbursement considerations about hospital outpatient dispensing [letter] Curtiss FR. **Am J Hosp Pharm** 1985 May;42(5):1046, 8

Reducing drug expenditures in a small hospital. Dotson TL. **Am J Hosp Pharm** 1985 Jul;42(7):1575-6

Pharmacy-initiated implementation of a syringe pump infusion system. Goudreau JB, et al. **Am J Hosp Pharm** 1985 Mar;42(3):584-7

Auditing function for staff pharmacists [letter] Habeger HE, et al. **Am J Hosp Pharm** 1985 May;42(5):1038, 40

Monetary incentive for pharmacists to control drug costs. Herrick JD, et al. **Am J Hosp Pharm** 1985 Jul;42(7):1527-32

Challenges in purchasing and inventory control. McAllister JC 3d. **Am J Hosp Pharm** 1985 Jun;42(6):1370-3

Tax aspects of outpatient drug transactions in nonprofit hospitals. McDaniel PA, et al. **Am J Hosp Pharm** 1985 Feb;42(2):352-6

ABC analysis of the relationship between pharmacy charges and DRGs. Magee MJ, et al. **Am J Hosp Pharm** 1985 Mar;42(3):571-6

Stability and cost analysis of clindamycin-gentamicin admixtures given every eight hours. Mansur JM, et al. **Am J Hosp Pharm** 1985 Feb;42(2):332-5

Feasibility of prime vendor purchasing for a state university hospital. Olson SM, et al. **Am J Hosp Pharm** 1985 Mar;42(3):566-70

Cost comparison of two systems for intermittent intravenous administration of small-volume injections. Reilly RT, et al. **Am J Hosp Pharm** 1985 Feb;42(2):323-8

Diversification strategies for hospital pharmacies. Smith JE, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1788-91

Two approaches to cost containment in hospital pharmacy. Strand LM, et al. **Am J Hosp Pharm** 1985 Apr;42(4):852-6

Bid purchasing of radiopharmaceuticals and radiopaque contrast media. Swanson DP, et al. **Am J Hosp Pharm** 1985 Jul;42(7):1532-6

Cost-justification of a clinical pharmacist-managed anticoagulation clinic. Gray DR, et al. **Drug Intell Clin Pharm** 1985 Jul-Aug;19(7-8):575-80

Reducing cephalosporin purchases [letter] Mioduch J, et al. **Drug Intell Clin Pharm** 1985 Mar;19(3):211-3

Cost-benefit analysis of clinical pharmacy services in three Iowa family practice offices. Chrischilles EA, et al. **J Clin Hosp Pharm** 1985 Mar;10(1):59-66

Reduction of anti-inflammatory drug costs with newer aspirin formulations. Hershey CO, et al. **Med Care** 1985 Aug;23(8):998-1002

Inadequate medical order writing and delivery: a cause of unnecessary hospital costs. Larson EB, et al. **QRB** 1984 Nov;10(11):353-5

Cost containment of reconstituted parenteral antibiotics: personnel and supply costs associated with preparation, dispensing, and administration. Tanner DJ. **Rev Infect Dis** 1984 Nov-Dec;6 Suppl 4:S924-37

HISTORY

Reflections on clinical pharmacy's first 20 years. Parker PF. **Am J Hosp Pharm** 1985 Jun;42(6):1293-7

LEGISLATION & JURISPRUDENCE

Involvement of a state society in pharmacist-prescribing legislation [letter] Breland BD, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1758,1760

Robinson-Patman update: De Modena v. Kaiser Foundation Health Plan. Greenberg RB. **Am J Hosp Pharm** 1985 Jul;42(7):1572-4

Legal aspects of termination of employment. Greenberg RB. **Am J Hosp Pharm** 1984 Oct;41(10):2074-7

MANPOWER

Hospital pharmacy externship: the Alaska experience [letter] Friend JR. **Am J Hosp Pharm** 1984 Sep;41(9):1761

Career management: understanding the process. Mackowiak J, et al. **Am J Hosp Pharm** 1985 Feb;42(2):297-303

Career management: an active process. Mackowiak J, et al. **Am J Hosp Pharm** 1985 Mar;42(3):554-60

Justifying additional pharmacist staff in an era of cost reductions. Perkins LD, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2033-6

Residency training: the path to professional and personal dignity. Pierpaoli PG. **Am J Hosp Pharm** 1984 Sep;41(9):1849-51

Training hospital pharmacy technicians [editorial] Ray MD. **Am J Hosp Pharm** 1984 Dec;41(12):2595-6

Observational study of job satisfaction in hospital pharmacy technicians. Sanford ME, et al. **Am J Hosp Pharm** 1984 Dec;41(12):2599-606

Layoffs: a positive response [letter] Vogenberg FR, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1756,1758

ORGANIZATION & ADMINISTRATION

Diffusion of innovation: computer technology in hospital pharmacy. Browning WC, et al. **Am J Hosp Pharm** 1984 Nov;41(11):2343-7

Planning and coordinating pharmaceutical purchasing. Buchanan EC. **Am J Hosp Pharm** 1984 Sep;41(9):1829-34

Implementing clinical pharmacy services in an outpatient oncology clinic. Caselnova DA 3d, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1348-52

Administrative reports for monitoring pharmacy purchasing. Chin RK. **Am J Hosp Pharm** 1984 Nov;41(11):2363-6

Documenting pharmacists' interventions. Comer JB. **Am J Hosp Pharm** 1985 Mar;42(3):625-6

Managing the inventory control system. Daniels CE. **Am J Hosp Pharm** 1985 Feb;42(2):346-51

Pharmaceutical services in a United States Army field hospital. Dasher T. **Am J Hosp Pharm** 1985 Mar;42(3):576-80

Establishment and operation of an oncology satellite pharmacy. Eddlemon JK, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2045-8

Decision analysis applied to pharmacy practice. Einarson TR, et al. **Am J Hosp Pharm** 1985 Feb;42(2):364-71

Comprehensive pharmaceutical services in a medical intensive-care unit. Ellinoy BR, et al. **Am J Hosp Pharm** 1984 Nov;41(11):2335-42

Pharmacist-oriented drug distribution systems. Freedman GI. **Am J Hosp Pharm** 1985 Feb;42(2):383-5

Antineoplastic admixture service in a tertiary-care hospital. Friedman TS, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2037-44

Management seminar miniseries for training pharmacy residents. Gallina JN, et al. **Am J Hosp Pharm** 1985 Feb;42(2):320-2

Pharmaceutical services in hospital-based home health-care agencies--1982. Galt MA, et al. **Am J Hosp Pharm** 1984 Nov;41(11):2355-9

Retrospective evaluation of a pharmacist-managed warfarin anticoagulation clinic. Garabedian-Ruffalo SM, et al. **Am J Hosp Pharm** 1985 Feb;42(2):304-8

Applying for a certificate of need for unit dose and i.v. admixture services in a Connecticut hospital. Gousse GC, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2029-32

The pharmacy computer system at the New England Medical Center. Gouveia WA, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1813-23

Evaluating a restrictive formulary system by assessing nonformulary-drug requests. Green JA, et al. **Am J Hosp Pharm** 1985 Jul;42(7):1537-41

Controlling cephalosporin and aminoglycoside costs through pharmacy and therapeutics committee restrictions. Hayman JN, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1343-7

Survey of butorphanol and nalbuphine diversion in U.S. hospitals. Hoover RC, et al. **Am J Hosp Pharm** 1985 May;42(5):1111-3

Objectives of an effective inventory control system. Hughes TF. **Am J Hosp Pharm** 1984 Oct;41(10):2078-85

Automating the purchasing and inventory control functions. Hughes TW. **Am J Hosp Pharm** 1985 May;42(5):1101-7

Evaluating group purchasing through a prime vendor. Johnson LH, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1783-8

Contract for educational services between a college of pharmacy and private hospitals. Klepcyk JC, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2056-60

Methods of inventory control. Lindley C, et al. **Am J Hosp Pharm** 1985 Jan;42(1):122-8

Drugman--a computerized supplement to a hospital's drug information newsletter. Mok MP, et al. **Am J Hosp Pharm** 1985 Jul;42(7):1565-7

The pharmacy computer system at The Ohio State University hospitals. Moore TD, et al. **Am J Hosp Pharm** 1984 Nov;41(11):2384-9

Impact of computerization on dispensing time in an ambulatory-care pharmacy. Moss RL, et al. **Am J Hosp Pharm** 1985 Feb;42(2):309-12

Referral approach for patient education in an ambulatory-care pharmacy. Munroe WP, et al. **Am J Hosp Pharm** 1985 Mar;42(3):624-5

Quantitative measurements of inventory control. Noel MW. **Am J Hosp Pharm** 1984 Nov;41(11):2378-83

Pros and cons of mainframe pharmacy computer systems. Nold EG. **Am J Hosp Pharm** 1984 Sep;41(9):1812-3

Computer-generated drug information notices for nurses. Parker WB, et al. **Am J Hosp Pharm** 1985 May;42(5):1113-4

Leadership styles of hospital pharmacy directors. Parrett EE, et al. **Am J Hosp Pharm** 1985 May;42(5):1069-73

Six-month hospital-pharmacy-based technician training program. Phillips DJ, et al. **Am J Hosp Pharm** 1984 Dec;41(12):2614-8

Twenty-four hour emergency pharmaceutical services. Powell MF, et al. **Am J Hosp Pharm** 1985 Apr;42(4):831-5

How to establish a pharmacokinetics consulting service for ambulatory patients. Robinson JD, et al. **Am J Hosp Pharm** 1984 Oct;41(10):2048-53

Clinical pharmacy services in Florida hospitals--1984. Salem RB, et al. **Am J Hosp Pharm** 1985 Jul;42(7):1562-4

Multifaceted orientation of house staff to pharmacy operations [letter] Shane R, et al. **Am J Hosp Pharm** 1985 Jul;42(7):1508, 1510

Quality assurance standards for purchasing and inventory control. Soares DP. **Am J Hosp Pharm** 1985 Mar;42(3):610-20

Literature filing system for hospital pharmacy practice. Thompson DF, et al. **Am J Hosp Pharm** 1984 Nov;41(11):2392-5

Progressive discipline. White SJ, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1824-8

Decision analysis applied to the purchase of frozen premixed intravenous admixtures. Witte KW, et al. **Am J Hosp Pharm** 1985 Apr;42(4):835-9

Good communication solves problems [letter] Yone RF, et al. **Am J Hosp Pharm** 1985 Feb;42(2):280, 282

Are we losing our way? [editorial] Zellmer WA. **Am J Hosp Pharm** 1984 Oct;41(10):2006

Impact of clinical pharmacy services on prescribing on a cardiothoracic/vascular surgical unit. Herfindal ET, et al. **Drug Intell Clin Pharm** 1985 Jun;19(6):440-4

Automation in the hospital pharmacy. Packer CL. **Hospitals** 1985 Sep 16;59(18):106-10, 113

Academic-industrial clinical pharmacology: a working model. Ferguson RK, et al. **J Clin Pharmacol** 1985 Jan-Feb;25(1):4-7

Counter-disaster manual [letter] Challen RG, et al. **Med J Aust** 1985 Sep 16;143(6):267-8

Patient acceptance of a special refill window. Tullio CJ. **Milit Med** 1984 Oct;149(10):572-4

[Analysis of drug prescription order forms using a computer] Arnstein J. **Cesk Zdrav** 1984 Oct;32(10):422-4 **(Cze)**

[The pharmacy service at the Laval City of Health: a dual vocation] Ducharme P. **Union Med Can** 1984 Sep;113(9):772-5 (Eng. Abstr.) **(Fre)**

[Clinical pharmacology and clinical pharmacy in a general clinical hospital] Demchenko VT, et al. **Sov Zdravookhr** 1984;(9):27-9 **(Rus)**

[Improved method of determining an adequate supply of drugs] Riabykh LD, et al. **Voen Med Zh** 1984 Dec;(12):57-8 **(Rus)**

[Method for determining the optimal level of carryover stock of medical stores in a medical installation or unit pharmacy] Riabykh LD, et al. **Voen Med Zh** 1984 Oct;(10):18-20 **(Rus)**

[Improving the services of military pharmacies] Tiurin VG. **Voen Med Zh** 1985 Jan;(1):26-9 **(Rus)**

STANDARDS

ASHP guidelines: minimum standard for pharmacies in institutions. **Am J Hosp Pharm** 1985 Feb;42(2):372-5

An interdisciplinary method of classifying and monitoring medication errors. Betz RP, et al. **Am J Hosp Pharm** 1985 Aug;42(8):1724-32

Unit dose drug distribution: a 20-year perspective. Black HJ. **Am J Hosp Pharm** 1984 Oct;41(10):2086-8

Developing guidelines for thrombolytic therapy. Comer JB, et al. **Am J Hosp Pharm** 1984 Nov;41(11):2374-7

Veterans Administration procedures for handling cytotoxic agents [letter] Harrison BR, et al. **Am J Hosp Pharm** 1984 Dec;41(12):2590

Managing employee apprehension toward handling cytotoxic drugs. Moore TD, et al. **Am J Hosp Pharm** 1985 Apr;42(4):826-31

Computer-assisted concurrent antibiotic review in a community hospital. Scarafile PD, et al. **Am J Hosp Pharm** 1985 Feb;42(2):313-5

National survey of pharmacy-coordinated investigational drug services. Young LM, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1792-6

Definition of clinical pharmacy as a specialty in clinical practice. Committee on Clinical Pharmacy as a Specialty. American Pharmacy Association. **Drug Intell Clin Pharm** 1985 Feb;19(2):149-50

TRENDS

Directions for clinical practice in pharmacy. Proceedings of an invitational conference conducted by the ASHP Research and Education Foundation and the American Society of Hospital Pharmacists. February 10-13, 1985. **Am J Hosp Pharm** 1985 Jun;42(6):1287-92

Panel discussion on realities of contemporary practice. Day C, et al. **Am J Hosp Pharm** 1985 Jun;42(6):1306-13

Future health care and hospital pharmacy practice: Perspectives based on a unique experience. Ellinoy BJ, et al. **Am J Hosp Pharm** 1984 Sep;41(9):1851-4

ASHP members' concepts of institutional pharmacy in the year 2000. Gourley DR, et al. **Am J Hosp Pharm** 1985 Jan;42(1):96-101

Pharmacy as a clinical profession. Hepler CD. **Am J Hosp Pharm** 1985 Jun;42(6):1298-306

ASHP special interest group professional practice survey--1984. Letendre DE. **Am J Hosp Pharm** 1985 May;42(5):1063-9

Building our image as a clinical profession. Miller WA. **Am J Hosp Pharm** 1985 Jun;42(6):1323-30

PHARYNGEAL DISEASES

see related
OTORHINOLARYNGOLOGIC DISEASES

Disseminated gonorrhoea from a pharyngeal infection in a prepubertal child. Yavelow SL, et al. **Int J Pediatr Otorhinolaryngol** 1984 Jul;7(3):297-300

CHEMICALLY INDUCED

Indomethacin reaction [letter] Movsowitz F, et al. **S Afr Med J** 1985 Mar 9;67(10):357

[Extensive submucosal hematomas in the pharyngo-laryngeal region in a female patient with tonsillitis during marcumar treatment] Grüter L. **HNO** 1984 Sep;32(9):399 **(Ger)**

[Study of a group of subjects occupationally exposed to tartaric acid] Moscato G, et al. **G Ital Med Lav** 1983 Sep;5(5):193-8 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Retropharyngeal emphysema and acute upper respiratory distress: a complication of mediastinal emphysema. Silfen EZ. **Am J Emerg Med** 1984 Sep;2(5):402-5

Carcinoma associated with Zenker's diverticulum. Johnson JT, et al. **Ann Otol Rhinol Laryngol** 1985 May-Jun;94(3):324-5

Carcinomatous changes in pharyngeal diverticula. Baraka ME, et al. **J Laryngol Otol** 1985 Mar;99(3):297-9

Pharyngeal colonization by gram-negative bacilli in ambulatory diabetics. Aswapokee N, et al. **J Med Assoc Thai** 1985 May;68(5):243-7

Idiopathic cricopharyngeal achalasia. Bar-Maor JA, et al. **Z Kinderchir** 1984 Dec;39(6):392-5

DIAGNOSIS

Deep neck infections and respiratory distress in children. White B. **Ear Nose Throat J** 1985 Jan;64(1):30-8

Evaluation of the larynx, hypopharynx, and nasopharynx at the time of diagnostic upper gastrointestinal endoscopy. Kozarek RA. **Gastrointest Endosc** 1985 Aug;31(4):271-3

Giant tonsillolith simulating tumour of the tonsil--a case report. Padmanabhan TK, et al. **Indian J Cancer** 1984 May-Jun;21(2):90-1

The role of fibreoptic oesophagogastroscopy in E.N.T. practice. Batch AJ. **J Laryngol Otol** 1985 Aug;99(8):783-91

Retropharyngeal abscesses in a children's hospital. Yeoh LH, et al. **J Laryngol Otol** 1985 Jun;99(6):555-66

Lateral pharyngoesophageal diverticulum simulating thyroid adenoma on sonography. Hayashi N, et al. **JCU** 1984 Nov-Dec;12(9):592-4

[A patient with cicatricial parapemphigus of the larynx and hypopharynx] Knegt P, et al. **Ned Tijdschr Geneeskd** 1984 Sep 1;128(35):1659-61 (Eng. Abstr.) **(Dut)**

[Diphtheria of the throat in adults hospitalized for tonsillitis] Ostrovskiĭ NN, et al. **Sov Med** 1984;(11):93-6 **(Rus)**

[Diphtheria in adults] Pokrovskiĭ VI, et al. **Sov Med** 1984;(11):89-93 **(Rus)**

[Oropharyngeal gonorrhea in women] Kuntsevich LD, et al. **Vestn Dermatol Venerol** 1985 Mar;(3):66-8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Comparison between bacampicillin and amoxycillin in treating genital and extragenital infection with Neisseria gonorrhoeae and pharyngeal infection with Neisseria meningitidis. Edwards LD, et al. **Br J Vener Dis** 1984 Dec;60(6):380-3

Thiamphenicol in the treatment of extragenital gonorrhea. Calanchini-Postizzi E, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4 Suppl):398-9

The outcome of single-dose cefuroxime treatment in patients with pharyngeal gonorrhea. Graudal C, et al. **Sex Transm Dis** 1985 Jan-Mar;12(1):49-51

EMBRYOLOGY

[Fistulae of the 4th branchial cleft] Narcy P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(5):491-4 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Pharyngocutaneous fistulae following laryngectomy. Mendelsohn MS, et al. **Aust NZ J Surg** 1985 Apr;55(2):177-9

[Chemodectoma causing narrowing of the pharyngeal lumen] Jelínek R. **Cesk Otolaryngol** 1985 Jun;34(3):195-7 (Eng. Abstr.) **(Cze)**

[Pharyngeal manifestation of cervical chordoma] Muller JP, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):425-33 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Plasma cell granuloma of the tonsil. Weilbaecher TG, et al. **J Surg Oncol** 1984 Dec;27(4):228-31

[Clinical and histological studies of pharyngeal tonsils in children] Zieliński A, et al. **Otolaryngol Pol** 1985;39(1):47-56 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Pharyngoesophageal swallowing: a review of 618 videorecorded cases. Curtis DJ, et al. **Milit Med** 1984 Oct;149(10):545-9

PREVENTION & CONTROL

Oropharyngeal Candida prophylaxis in pediatric bone marrow transplant patients. Berkowitz RJ, et al. **Am J Pediatr Hematol Oncol** 1985 Spring;7(1):82-6

RADIOGRAPHY

Barium pharyngography: comparison of single and double contrast. Semenkovich JW, et al. **AJR** 1985 Apr;144(4):715-20

Xeroradiography of the lateral neck. Smith C. **CRC Crit Rev Diagn Imaging** 1984;23(2):151-233 (145 ref.)

Calcified retropharyngeal hematoma: CT findings. Case report. DelBalso AM, et al. **Milit Med** 1985 Jan;150(1):35-6

[Significance of roentgen cinematography in the diagnosis of functional disorders of the pharyngo-esophageal junction] Augustiny N, et al. **HNO** 1984 Dec;32(12):494-7 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Direct extension of retropharyngeal abscess demonstrated by gallium scan. Vasinrapee P, et al. **Clin Nucl Med** 1985 Feb;10(2):100

SURGERY

Endoscopic laser surgery for hypopharyngeal diverticula--a preliminary report. Knegt PP, et al. **Clin Otolaryngol** 1984 Oct;9(5):277-9

Comparison of endoscopic diathermy and resection in the surgical treatment of pharyngeal diverticula. Welch AR, et al. **J Laryngol Otol** 1985 Feb;99(2):179-82

Closure of pharyngocutaneous fistulae with the rhomboid flap. Parnes SM, et al. **Laryngoscope** 1985 Feb;95(2):224-5

Microendoscopic surgery of the hypopharyngeal pouch with the CO2 laser. Hoeksema PE, et al. **Lasers Surg Med** 1985;5(4):367-9

[Total 'pharyngoplastia vera' with the colon in caustic pharyngo-laryngeal stenoses] Popovici Z, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(5):311-5 (Eng. Abstr.) **(Fre)**

[Therapy of Zenker's diverticula] Escher F. **Schweiz Med Wochenschr** 1984 Oct 13;114(41):1428-33 (Eng. Abstr.) **(Ger)**

THERAPY

Treatment and prevention of oropharyngeal candidiasis. Quintiliani R, et al. **Am J Med** 1984 Oct 30;77(4D):44-8

VETERINARY

Arterial blood gas tension and acid base balance during exercise in horses with pharyngeal lymphoid hyperplasia. Bayly WM, et al. **Equine Vet J** 1984 Sep;16(5):435-8

Upper respiratory tract obstruction caused by a pharyngeal abscess in a filly. Sweeney CR, et al. **J Am Vet Med Assoc** 1985 Aug 1;187(3):268-70

PHARYNGEAL MUSCLES see under **MUSCLES**

PHARYNGEAL NEOPLASMS

Synovial sarcoma of the pharynx. Hordijk GJ. **Ear Nose Throat J** 1984 Dec;63(12):597-8

Hypopharyngeal squamous cell carcinoma metastatic to skin. Schultz BM, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 2):169-72

CHEMICALLY INDUCED

A study of the relationship between mouthwash use and oral and pharyngeal cancer. Mashberg A, et al. **J Am Dent Assoc** 1985 May;110(5):731-4

COMPLICATIONS

Bradycardic and vasodepressor syncope secondary to glossopharyngeal neuralgia from hypopharyngeal tumor. Kim SS, et al. **Am Heart J** 1985 May;109(5 Pt 1):1101-2

Lymphadenopathic and oropharyngeal Kaposi's sarcoma in a drug addict with acquired immunodeficiency syndrome. Immunological abnormalities in peripheral blood and lymphoid tissue. Facchetti F, et al. **Appl Pathol** 1984;2(2):103-9

Metastases to the Rouviere nodes and headache. Watanabe H, et al. **Auris Nasus Larynx** 1985;12(1):53-6

Pharyngeal obstruction by Kaposi's sarcoma in a homosexual male with acquired immune deficiency syndrome. Patow CA, et al. **Otolaryngol Head Neck Surg** 1984 Dec;92(6):713-6

[Enteral feeding in cancer of the upper digestive and respiratory tract] Ose T, et al. **Tidsskr Nor Laegeforen** 1984 Oct 30;104(30):2100-3 **(Nor)**

DIAGNOSIS

Fetal pharyngeal teratoma--another cause of elevated amniotic fluid alpha-fetoprotein. Anderson RL, et al. **Am J Obstet Gynecol** 1984 Oct 15;150(4):432-3

Pathologic quiz case 1. Hairy polyp. Clegg TJ, et al. **Arch Otolaryngol** 1985 Sep;111(9):634-6

Assessment and treatment of neurogenic and non-neurogenic tumors of the parapharyngeal space. Ferlito A, et al. **Head Neck Surg** 1984 Oct;7(1):32-43

Cytodiagnostics of pharyngeal tumours. Makowska W, et al. **Mater Med Pol** 1985 Jan-Mar;17(1):66-8

Swellings of the soft palate: a diagnostic trap. Robertson MS, et al. **NZ Med J** 1984 Nov 14;97(767):775-7

[Synovial sarcoma with cervicopharyngeal expression] Margo JN, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(2):115-8 (Eng. Abstr.) **(Fre)**

[Larynx, hypopharynx, trachea] **Arch Otorhinolaryngol [Suppl]** 1984;2:222-50 **(Ger)**

[Oropharyngeal tumors] **Arch Otorhinolaryngol [Suppl]** 1984;2:86-91 **(Ger)**

[Mesopharynx cancers--multifactorial malignancy analysis and therapeutic results] Quade R, et al. **Laryngol Rhinol Otol (Stuttg)** 1984 Nov;63(11):570-4 (Eng. Abstr.) **(Ger)**

[Cervical chordomas] Casolino D, et al. **Acta Otorhinolaryngol Ital** 1984 Jul-Aug;4(4):423-33 (Eng. Abstr.) **(Ita)**

[Borderline cases between the laryngeal and hypopharyngeal cancers] Miyahara H, et al. **Gan No Rinsho** 1984 Sep;30(11):1401-6 (Eng. Abstr.) **(Jpn)**

[Importance of determining echinocytosis in the early diagnosis of laryngeal and pharyngeal neoplasms] Teodor IL, et al. **Vestn Otorinolaringol** 1984 Sep-Oct;(5):37-40 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Preoperative intra-arterial infusion chemotherapy for advanced squamous cell carcinoma of the mouth and oropharynx. Milazzo J, et al. **Cancer** 1985 Sep 1;56(5):1014-7

Combined-modality treatment with induction chemotherapy in locally advanced squamous cell carcinoma of the oral cavity and oropharynx. Abele R, et al. **Recent Results Cancer Res** 1985;98:142-7

[Initial chemotherapy of extensive cancers of the upper respiratory and digestive tracts] Chauvergne J, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(6):437-8 **(Fre)**

[Induction chemotherapy in cancer of the upper respiratory and digestive tract. Preliminary results of the protocol combining cisplatin, 5-fluorouracil and bleomycin (CFB)] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(1):1-6 (Eng. Abstr.) **(Fre)**

[A neo-adjuvant chemotherapy for carcinomas of the hypopharynx and cervical esophagus] Tsuruta Y, et al. **Gan To Kagaku Ryoho** 1985 Jul;12(7):1496-501 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Epidemiological and experimental studies on tobacco-related oral cancer in India. Bhide SV, et al. **IARC Sci Publ** 1984;(57):851-7

Tobacco chewing and snuff dipping: an association with human cancer. Winn DM. **IARC Sci Publ** 1984;(57):837-49 (74 ref.)

Alcohol, smoking, social and occupational factors in the aetiology of cancer of the oral cavity, pharynx and larynx. Elwood JM, et al. **Int J Cancer** 1984 Nov 15;34(5):603-12

Carcinomatous changes in pharyngeal diverticula. Baraka ME, et al. **J Laryngol Otol** 1985 Mar;99(3):297-9

Squamous cell carcinoma of the oral cavity, pharynx, and larynx in young adults. Lipkin A, et al. **Laryngoscope** 1985 Jul;95(7 Pt 1):790-3

Oral and oropharyngeal cancer, aryl hydrocarbon hydroxylase inducibility and smoking. A follow-up study. Andréasson L, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(3):131-8

METABOLISM

Gamma-glutamyl transpeptidase in precancerous lesions and carcinomas of oral, pharyngeal, and laryngeal mucosa. Calderon-Solt L, et al. **Cancer** 1985 Jul 1;56(1):138-43

Lymphoepithelial carcinoma (Schmincke type) as a derivate of the tonsillar crypt epithelium. Möller P, et al. **Virchows Arch [A]** 1984;405(1):85-93

MICROBIOLOGY

[Microflora of the suppurative inflammatory foci in patients with laryngeal and pharyngeal cancer undergoing combined treatment for local postoperative complications] Smolianskaia AZ, et al. **Vopr Onkol** 1985;31(5):26-31 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Squamous cell carcinoma of the upper aerodigestive tract in nonusers of tobacco. Hodge KM, et al. **Cancer** 1985 Mar 15;55(6):1232-5

Oral cavity and oropharyngeal cancer in a younger population. Review of literature and experience at Yale. Son YH, et al. **Cancer** 1985 Jan 15;55(2):441-4

Cancer of the larynx, pharynx, and oesophagus in relation to alcohol and tobacco consumption among Danish brewery workers. Adelhardt M, et al. **Dan Med Bull** 1985 May;32(2):119-23

[Comparative epidemiology, in Europe, of cancers related to tobacco (lung, larynx, pharynx, oral cavity)] Moulin JJ, et al. **Bull Cancer (Paris)** 1985;72(2):155-8 (Eng. Abstr.) **(Fre)**

[Incidence of esophageal cancer synchronous with upper aerodigestive tract cancers (100 cases): value of vital staining with lugol and toluidine blue] Papazian A, et al. **Gastroenterol Clin Biol** 1985 Jan;9(1):16-22 (Eng. Abstr.) **(Fre)**

[Retrospective oncological epidemiological research (the example of the wood-working industry)] Avdeeva IA, et al. **Gig Tr Prof Zabol** 1985 Apr;(4):33-6 **(Rus)**

PATHOLOGY

Prognostic value of histopathologic parameters in squamous cell carcinoma of the oropharynx. Crissman JD, et al. **Cancer** 1984 Dec 15;54(12):2995-3001

Hemangiopericytoma of the head and neck. Gupta OP, et al. **Ear Nose Throat J** 1985 Mar;64(3):145-9

Multiple primary squamous cell carcinomas in the upper digestive tract. Fitzpatrick PJ, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2273-9

Synovial sarcoma of the hypopharynx. Cutchavaree A, et al. **J Laryngol Otol** 1985 Feb;99(2):205-8

Combined adenocarcinoma and squamous carcinoma of the hypopharynx. A case report. Glossop LP, et al. **J Laryngol Otol** 1984 Nov;98(11):1161-6

Synovial sarcomas of the neck. A report of two cases. Oppedal BR, et al. **J Laryngol Otol** 1985 Jan;99(1):101-4

A leiomyosarcoma of the hypopharynx. Tommerup B, et al. **J Laryngol Otol** 1985 Jun;99(6):605-8

Parapharyngeal neurogenic tumors: nine-year experience. Cutchavaree A, et al. **J Med Assoc Thai** 1984 Jun;67(6):350-5

Parapharyngeal combined neurilemmoma and hemangioma. Kasantikul V, et al. **J Med Assoc Thai** 1984 Jul;67(7):432-6

Sialadenoma papilliferum. Bass KD, et al. **J Oral Maxillofac Surg** 1985 Apr;43(4):302-4

Lymphoepithelioma (undifferentiated carcinoma) of the laryngohypopharynx. Stanley RJ, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1077-81

Benign pedunculated tumours of the hypopharynx. 3 case reports, 1 with late malignant transformation. Laurent C, et al. **ORL J Otorhinolaryngol Relat Spec** 1985;47(1):17-21

Recurrent carcinoma of the larynx and the hypopharynx. Jacobs JR, et al. **Otolaryngol Head Neck Surg** 1980 Jul-Aug;88(4):425-33

Natural history of neck disease in patients with squamous cell carcinoma of oropharynx and pharyngolarynx. Bataini JP, et al. **Radiother Oncol** 1985 Apr;3(3):245-55

[Buccopharyngeal localizations of carcinoma cuniculatum. Apropos of 5 cases] Kuffer R, et al. **Arch Anat Cytol Pathol** 1984;32(3):184 **(Fre)**

[Adenopathy in epithelioma of the piriform sinus. Apropos of 100 cases] David JM, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(3):275-8 (Eng. Abstr.) **(Fre)**

[A case of lipoma in a pharyngeal site] Ferrari G, et al. **Acta Biomed Ateneo Parmense** 1984;55(5-6):315-9 (Eng. Abstr.) **(Ita)**

[Epidermoid carcinoma of the pharyngo-laryngeal area with sarcomatous-like stroma: histochemical study] Cerasoli PT, et al. **Acta Otorhinolaryngol Ital** 1984 Sep-Oct;4(5):607-18 (Eng. Abstr.) **(Ita)**

[A case of ganglioneuroma of the parapharyngeal space] Sohma S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1985 Jan;88(1):41-7 (Eng. Abstr.) **(Jpn)**

[Lipomas in the otorhinolaryngology field] Udovički J. **Med Pregl** 1984;37(5-6):247-9 (Eng. Abstr.) **(Ser)**

PHYSIOPATHOLOGY

Fibromatosis and fibrosarcoma of the larynx and pharynx in an infant. McIntosh WA, et al. **Arch Otolaryngol** 1985 Jul;111(7):478-80

PREVENTION & CONTROL

[Mass screening and early diagnosis of cancer of the upper aero-digestive tract] Steiner W. **Acta Otorhinolaryngol Ital** 1985 Jan-Feb;5(1):35-9 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Correlation of computed tomography and conventional hypopharyngography findings in hypopharyngeal tumours. Catić D, et al. **Eur J Radiol** 1985 Aug;5(3):178-80

The value of the barium-swallow technique in the evaluation of the hypopharynx. Gedgaudas-McClees RK, et al. **Mt Sinai J Med (NY)** 1984 Jul-Aug;51(4):455-9

[X-ray computed tomography: examination of choice in cervicofacial pathology? Radio-anatomical correlation. Imagery of the chosen cases] Remacle M, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):499-507 (Eng. Abstr.) **(Fre)**

[X-ray computed tomography in pharyngolaryngeal tumors. Role in pretherapeutic evaluation and monitoring after treatment] Stines J, et al. **Ann Radiol (Paris)** 1984 Nov;27(7):635-41 (Eng. Abstr.) **(Fre)**

[Computerized transverse tomography in tumors of the parapharyngeal space] Zbären P, et al. **J Fr Otorhinolaryngol** 1984 Nov;33(9):479-83 (Eng. Abstr.) **(Fre)**

[Use of computed tomography in the diagnosis of malignant tumors of the hypopharynx and larynx] Bähren W. **HNO** 1985 Mar;33(3):97-102 (Eng. Abstr.) **(Ger)**

[Malignant lymphomas of the orbit, facial bones and the parapharyngeal space] Mödder U, et al. **Radiologe** 1985 May;25(5):213-6 (Eng. Abstr.) **(Ger)**

[Role of computed tomography in malignant tumors of the oral cavity and pharynx] Schratter M, et al. **Radiologe** 1984 Dec;24(12):554-60 (Eng. Abstr.) **(Ger)**

[Esophago-hypopharyngeal barium study with laryngo-hypopharyngeal discomfort--usefulness of rapid sequence camera] Tanaka M, et al. **Rinsho Hoshasen** 1984 May;29(5):565-70 (Eng. Abstr.) **(Jpn)**

[Possibilities of computerized tomography in the diagnosis of laryngopharyngeal cancer] Nummaev GM, et al. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):50-3 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Uptake of Tc-99m MDP in muscle anticipating clinical evidence of a carcinomatous myopathy. Lentle BC, et al. **J Nucl Med** 1984 Dec;25(12):1320-2

RADIOTHERAPY

A comparison between low dose rate radiotherapy and conventionally fractionated irradiation in moderately extensive cancers of the oropharynx. Pierquin B, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):431-9

The enigma of post-radiation oedema and residual or recurrent carcinoma of the larynx and pyriform fossa. Bahadur S, et al. **J Laryngol Otol** 1985 Aug;99(8):763-5

Results of fast neutron therapy for advanced carcinomas of the oral cavity and oropharynx. Skołyszewski J, et al. **Radiobiol Radiother (Berl)** 1985;26(1):85-9

Are postoperative complications more frequent and more serious after irradiation for laryngeal and hypopharyngeal cancer? Van den Bogaert W, et al. **Radiother Oncol** 1984 Jun;2(1):31-6

[Epithelioma of the oropharynx: therapeutic results after only external irradiation] Dubois JB, et al. **J Fr Otorhinolaryngol** 1984 Sep;33(7):327-36 **(Fre)**

[Epidermoid carcinoma of the respiratory-digestive tract in women (excluding the esophagus)] Panis X, et al. **J Fr Otorhinolaryngol** 1984 Sep;33(7):321-5 (Eng. Abstr.) **(Fre)**

[Radiation-induced vasculopathy of the carotid artery and vertebral artery] Steiner H, et al. **Rontgenblatter** 1984 Sep;37(9):320-1 (Eng. Abstr.) **(Ger)**

[Contact therapy in the pharynx and oral cavity areas: after-loading technic, irradiation planning and results] Fritz P, et al. **Strahlentherapie** 1985 May;161(5):293-8 (Eng. Abstr.) **(Ger)**

[Late damages in the treatment of oral and pharyngeal cancer by radiation therapy] Inomata T, et al. **Nippon Gan Chiryo Gakkai Shi** 1984 Feb 20;19(1):44-9 (Eng. Abstr.) **(Jpn)**

[Radiotherapy for carcinoma of the hypopharynx and cervical esophagus] Gotoh M, et al. **Rinsho Hoshasen** 1984 Jul;29(7):771-7 (Eng. Abstr.) **(Jpn)**

[Results of studies on head and neck cancer. 2. Application of the guideline proposed by Japan Society of Head and Neck Tumor] Inoue T, et al. **Rinsho Hoshasen** 1984 May;29(5):583-7 (Eng. Abstr.) **(Jpn)**

[Radiation and chemoradiation therapy of malignant laryngopharyngeal tumors] Morozov AI, et al. **Med Radiol (Mosk)** 1985 Aug;30(8):15-8 (Eng. Abstr.) **(Rus)**

[Radiotherapy of malignant tumors of the maxillofacial region] Vorob'ev IuI. **Vestn Rentgenol Radiol** 1985 May-Jun;(3):76-9 (43 ref.) **(Rus)**

SECONDARY

Meningioma of the parapharyngeal space: a unique extension of intracranial tumor. Haratake J, et al. **Laryngoscope** 1984 Oct;94(10):1372-5

[Case of lipoma of the base of the tongue and hypopharynx] Biliński A, et al. **Otolaryngol Pol** 1985;39(1):73-5 (Eng. Abstr.) **(Pol)**

[2 cases of distant metastases melanoma of the skin to pharyngeal mucosa] Lewandowski D. **Otolaryngol Pol** 1984;38(2):181-5 (Eng. Abstr.) **(Pol)**

SURGERY

Surgical approaches to tumors of the parapharyngeal space. Stell PM, et al. **Am J Otolaryngol** 1985 Mar-Apr;6(2):92-7

Late problems after pharyngolaryngoesophagectomy and pharyngogastric anastomosis for cancer of the larynx and hypopharynx. Wei WI, et al. **Am J Surg** 1984 Oct;148(4):509-13

Perioperative management of newborn pharyngeal teratomas. Diaz JH, et al. **Anesthesiology** 1984 Nov;61(5):608-10

Epignathus: a report of two cases. Pavlin JE, et al. **Ann Plast Surg** 1984 Nov;13(5):452-6

Pharyngoesophageal reconstruction. Is a skin-lined pharynx necessary? Robertson MS, et al. **Arch Otolaryngol** 1985 Jun;111(6):375-6

Combined surgery and postoperative radiation therapy for advanced laryngeal and hypopharyngeal carcinomas. Mirimanoff RO, et al. **Int J Radiat Oncol Biol Phys** 1985 Mar;11(3):499-504

Conservative trans-mandibular approach in the surgical treatment of tumors of the parapharyngeal space. de Campora E, et al. **J Laryngol Otol** 1984 Dec;98(12):1225-9

Reconstruction of the esophagus by microvascular surgery. Kato H, et al. **Jpn J Clin Oncol** 1984 Sep;14(3):379-84

Procedure for resection of carcinomas of the oral cavity and oropharynx [letter] Stanley RB Jr. **Laryngoscope** 1984 Nov;94(11 Pt 1):1517-8

Surgical treatment of pyriform sinus cancer: a retrospective study. Yates A, et al. **Laryngoscope** 1984 Dec;94(12 Pt 1):1586-90

Role of the CO2 laser in the management of localized carcinoma of the oral cavity. Emphasis on second primary malignancies. Adams GL, et al. **Minn Med** 1985 Apr;68(4):285-9

Pharyngo-oesophageal reconstruction with the pectoralis major myocutaneous flap. Joseph CA, et al. **S Afr J Surg** 1985 Jun;23(2):67-9

[Treatment of extensive hemangiomas of the pharynx using cryodestruction] Voda G, et al. **Cesk Otolaryngol** 1984 Sep;33(5):303-5 (Eng. Abstr.) **(Cze)**

[Nerve tumor of the neck. Apropos of a case report] Noterman J, et al. **Acta Chir Belg** 1984 Nov-Dec;84(6):357-9 (Eng. Abstr.) **(Fre)**

[Pectoralis major musculocutaneous flap after oncologic excision of the buccal cavity and oropharynx] Demard F, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(6):459-61 (Eng. Abstr.) **(Fre)**

[Plastic surgery after circular pharyngectomy. Apropos of 78 cases] Geoffray B, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(3):147-55 (Eng. Abstr.) **(Fre)**

[Total circular pharyngolaryngectomy. A method of reconstruction with a free forearm skin flap] Pech A, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):535-40 (Eng. Abstr.) **(Fre)**

[Controlled trial and cost/efficacy evaluation of the prevention of infectious complications in surgery of cancers of the upper aerodigestive tract with peri-operative cefoxitin] Renaud-Salis JL, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(3):179-82 (Eng. Abstr.) **(Fre)**

[Reconstruction surgery and repair using a musculocutaneous flap. Apropos of 124 cases] Rodriguez J, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):541-4 (Eng. Abstr.) **(Fre)**

[Total pharyngo-laryngo-esophagectomy with reestablishment of continuity by intestinal pull-up; apropos of 15 cases] Haguenauer JP, et al. **J Fr Otorhinolaryngol** 1984 Oct;33(8):397-400 **(Fre)**

[Surgical treatment of oropharyngeal tumors] Rudert H. **Arch Otorhinolaryngol [Suppl]** 1984;2:92-103 **(Ger)**

[The free jejunal graft for the reconstruction of the hypopharynx and cervical esophagus] Schultz-Coulon HJ, et al. **Handchir Mikrochir Plast Chir** 1984 Sep;16(3):151-6 (Eng. Abstr.) **(Ger)**

[Postoperative functional results in oral and oropharyngeal tumors] Mann W. **HNO** 1985 Mar;33(3):138-43 (Eng. Abstr.) **(Ger)**

[Hypopharyngeal carcinoma: analysis of oncological and functional results after surgery] Lippi L, et al. **Acta Otorhinolaryngol Ital** 1985 Jan-Feb;5(1):19-28 (Eng. Abstr.) **(Ita)**

[Cancer of the cervical esophagus with extension to hypopharynx: its behavior and treatment] Murakami Y. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):898-901 (Eng. Abstr.) **(Jpn)**

[Surgical therapy of carcinoma of the oropharynx] Matulić Z, et al. **Med Pregl** 1985;38(1-2):37-40 (Eng. Abstr.) **(Ser)**

THERAPY

Management of squamous cell carcinoma of the pyriform sinus. Pesavento G, et al. **Acta Otorhinolaryngol Belg** 1984;38(2):156-63

Management to prevent high-sited recurrence of pharyngo-laryngeal cancers. Remacle M, et al. **Acta Otorhinolaryngol Belg** 1984;38(5):464-73
Pharyngeal wall cancer. A reappraisal after comparison of treatment methods. Marks JE, et al. **Arch Otolaryngol** 1985 Feb;111(2):79-85
Quality of life in treated head and neck cancer patients: a preliminary report. Morton RP, et al. **Clin Otolaryngol** 1984 Jun;9(3):181-5
Constant rate enteral nutrition in bucco-pharyngeal cancer care. A highly efficient nutritional support system. Pichard C, et al. **Clin Otolaryngol** 1984 Aug;9(4):209-14
Adjuvant Corynebacterium parvum immunotherapy for squamous cell epitheliomas of the oral cavity, pharynx, and larynx. Neifeld JP, et al. **J Surg Oncol** 1985 Feb; 28(2):137-45
Hypopharyngeal cancer: results of treatment with radiotherapy alone and combinations of surgery and radiotherapy. Van den Bogaert W, et al. **Radiother Oncol** 1985 Jun;3(4):311-8
[Retrospective study of the treatment of piriform sinus cancers. Apropos of 97 cases] Junien-Lavillauroy C, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(5):293-8 (Eng. Abstr.) **(Fre)**
[Constant-rate enteral feeding in buccopharyngeal cancer] Pichard C, et al. **Schweiz Rundsch Med Prax** 1985 Mar 26;74(13):329-32 (Eng. Abstr.) **(Fre)**
[Recurrence on base of the skull in carcinoma of the oropharynx--clinical usefulness of computed tomography and conformation radiotherapy] Tanaka Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Feb 25; 45(2):356-63 (Eng. Abstr.) **(Jpn)**
[Successful combined treatment of thyroid lymphoma with neoplastic infiltration of the larynx and pharynx] Szmeja Z, et al. **Otolaryngol Pol** 1984;38(4):337-41 (Eng. Abstr.) **(Pol)**
[Radiotherapy and chemoradiotherapy of neglected forms of malignant oropharyngeal tumors] Morozov AI, et al. **Med Radiol (Mosk)** 1984 Sep;29(9):35-9 (Eng. Abstr.) **(Rus)**

VETERINARY

Pharyngeal polyps in two feline siblings. Stanton ME, et al. **J Am Vet Med Assoc** 1985 Jun 15;186(12):1311-3

PHARYNGECTOMY

Subcutaneous left colon reconstruction following pharyngo-laryngectomy. Hennessy TP, et al. **Ann R Coll Surg Engl** 1984 Sep;66(5):344-5
Replacement of the pharynx after pharyngolaryngectomy. Stell PM. **Ann R Coll Surg Engl** 1984 Nov;66(6):388-90
Skin grafting of the anterior stomach wall following pharyngo-gastric anastomosis. Howard DJ, et al. **J Laryngol Otol** 1985 Mar;99(3):273-6
[Use of the Shapiro vocal button in total pharyngolaryngo-esophagectomy with digestive transposition] Van den Eeckhaut J, et al. **Acta Otorhinolaryngol Belg** 1984;38(4):386-90 **(Fre)**
[Plastic surgery after circular pharyngectomy. Apropos of 78 cases] Geoffray B, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(3):147-55 (Eng. Abstr.) **(Fre)**
[Our experience in reconstruction after transmandibular buccopharyngectomy. Comparative study of various flaps. Apropos of 74 cases] Guerrier B, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(6):455-7 (Eng. Abstr.) **(Fre)**
[Partial pharyngo-laryngectomy with subtotal esophagectomy and 1-stage coloplasty] Saint Guily JL, et al. **Ann Otolaryngol Chir Cervicofac** 1985;102(5):309-10 (Eng. Abstr.) **(Fre)**

METHODS

Pharyngoesophageal reconstruction. Is a skin-lined pharynx necessary? Robertson MS, et al. **Arch Otolaryngol** 1985 Jun; 111(6):375-6
Immediate reconstruction after total laryngopharyngoesophagectomy and mediastinal dissection. Krespi YP, et al. **Laryngoscope** 1985 Feb; 95(2):156-61
[Total circular pharyngolaryngectomy. A method of reconstruction with a free forearm skin flap] Pech A, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):535-40 (Eng. Abstr.) **(Fre)**
[Transepiglottic pharyngolaryngotomy] Hirano M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1984 May;87(5):603-6 (Eng. Abstr.) **(Jpn)**
[Partial pharyngo-laryngectomy in the treatment of isolated stenosis of the hypopharynx] Nikolić L, et al. **Med Pregl** 1985;38(1-2):51-3 (Eng. Abstr.) **(Scr)**

PHARYNGITIS

COMPLICATIONS

Neurological complications of Mycoplasma pneumoniae infection. Hely MA, et al. **Clin Exp Neurol** 1984;20:153-60
Toxic shock syndrome from staphylococcal pharyngitis. Hirsch B, et al. **Ear Nose Throat J** 1984 Oct;63(10):494-7
Sore throat, antibiotics and rheumatic fever. Foggo BA. **Fam Pract** 1985 Jun;2(2):101-7 (54 ref.)
Antibiotics, sore throats and rheumatic fever. Howie JG, et al. **J R Coll Gen Pract** 1985 May;35(274):223-4

DIAGNOSIS

Gram stain for streptococcal pharyngitis [letter] Jui J, et al. **Ann Emerg Med** 1985 Feb;14(2):191-2
Shuffling our streptococcal strategies: in-hospital and out. Bisno AL. **Infect Control** 1985 May;6(5):181-2
Evaluation of Detect-A-Strep and the Culturette Ten-Minute Strep ID kits for detection of group A streptococcal antigen in oropharyngeal swabs from children. Campos JM, et al. **J Clin Microbiol** 1985 Aug; 22(2):145-8
Streptococcal pharyngitis: optimal site for throat culture. Brien JH, et al. **J Pediatr** 1985 May;106(5):781-3
[Mycotic pharyngitis in childhood] Kunel'skaia VIa. **Pediatriia** 1984 Sep;(9):59-61 **(Rus)**

DRUG THERAPY

Spiramycin and erythromycin in the treatment of acute tonsillo-pharyngitis: a comparative study. Soekrawinata T, et al. **Curr Med Res Opin** 1984;9(5):296-300
Treatment of acute tonsillo-pharyngitis: a comparative study of spiramycin and erythromycin. Suprihati, et al. **Curr Med Res Opin** 1984;9(3):192-6
A double-blinded comparative study of sultamicillin and potassium penicillin V in the treatment of childhood streptococcal pharyngitis. Aronoff SC, et al. **J Antimicrob Chemother** 1984 Sep;14(3):261-5
Patients' willingness to take risks in the management of pharyngitis. Herman JM. **J Fam Pract** 1984 Dec; 19(6):767-72
Penicillin V and rifampin for the treatment of group A streptococcal pharyngitis: a randomized trial of 10 days penicillin vs 10 days penicillin with rifampin during the final 4 days of therapy. Chaudhary S, et al. **J Pediatr** 1985 Mar;106(3):481-6
Effect of antibiotic therapy on the clinical course of streptococcal pharyngitis. Randolph MF, et al. **J Pediatr** 1985 Jun;106(6):870-5
Penicillin plus rifampin eradicates pharyngeal carriage of group A streptococci. Tanz RR, et al. **J Pediatr** 1985 Jun; 106(6):876-80
Still more on streptococcal pharyngitis: an important disease with yet unresolved clinical issues [editorial] Fulginiti VA. **JAMA** 1985 Mar 1;253(9):1302
Comparative study of ceftriaxone and spectinomycin for treatment of pharyngeal and anorectal gonorrhea. Judson FN, et al. **JAMA** 1985 Mar 8;253(10):1417-9
Streptococcal pharyngitis. Placebo-controlled double-blind evaluation of clinical response to penicillin therapy. Krober MS, et al. **JAMA** 1985 Mar 1;253(9):1271-4
Effect of treatment on streptococcal pharyngitis: is the issue really settled? Denny FW. **Pediatr Infect Dis** 1985 Jul-Aug; 4(4):352-4
An audit of antibiotic prescribing in general practice using sore throats as a tracer for quality control. Tseng R. **Public Health** 1985 May;99(3):174-7
Moxalactam treatment of uncomplicated gonorrhea in women. Jones RB, et al. **Sex Transm Dis** 1984 Oct-Dec; 11(4):287-90
[Clinical value of Solacy in childhood rhinopharyngitis. Study using the double-blind method with a placebo and a microscopic examination of the rhinopharyngeal mucosa] Lasfargues G, et al. **Rev Laryngol Otol Rhinol (Bord)** 1983; 104(4):369-72 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Empyema due to beta-lactamase-producing H. influenzae type B complicating severe laryngo-pharyngitis and cervical cellulitis [letter] Van Asperen PP, et al. **Aust NZ J Med** 1984 Jun;14(3):280
Sore throat after intubation of the trachea. Shah MV, et al. **Br J Anaesth** 1984 Dec;56(12):1337-41
Streptococcal pharyngitis: clinical clues in diagnosis. Paramesh H. **Indian J Pediatr** 1984 Mar-Apr;51(409):177-9
Role of Chlamydia trachomatis in acute pharyngitis in young adults. Gerber MA, et al. **J Clin Microbiol** 1984 Nov; 20(5):993-4
The accuracy of experienced physicians' probability estimates for patients with sore throats. Implications for decision making. Poses RM, et al. **JAMA** 1985 Aug 16;254(7):925-9
Non-streptococcal pharyngitis. Brunell PA. **Pediatr Infect Dis** 1985 May-Jun;4(3 Suppl):S44-5
Pharyngeal infections. Causes, findings, and management. Mandel JH. **Postgrad Med** 1985 Feb 15;77(3):187-93, 196-9 (27 ref.)
Dissecting retropharyngeal abscess due to Fusobacterium necrophorum in an adult. Mukau L. **South Med J** 1985 Apr;78(4):476-8
[An uncommon localization of upper respiratory-digestive tract tuberculosis: the cavum] Buffe P, et al. **Ann Otolaryngol Chir Cervicofac** 1984;101(8):601-2 (Eng. Abstr.) **(Fre)**
[Fever, sore throat] Vetter W, et al. **Schweiz Rundsch Med Prax** 1985 Feb 5;74(6):125-7 (Eng. Abstr.) **(Ger)**
[Condition of the nasal and pharyngeal mucosa in workers exposed to titanium dioxide dust] Mickiewicz L, et al. **Med Pr** 1984;35(3):209-15 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Acquisition of group A streptococcal M protein antibodies. Quinn RW, et al. **Pediatr Infect Dis** 1985 Jul-Aug; 4(4):374-8

MICROBIOLOGY

Localization of gonococci in the anterior oral cavity--a possible reservoir of the gonococcal infection? Tikjøb G, et al. **Ann Clin Res** 1985;17(2):73-5
Should routine throat cultures be done in hospital personnel complaining of a sore throat? Watanakunakorn C. **Infect Control** 1985 May;6(5):183-5
Rapid diagnosis of streptococcal pharyngitis [letter] **J Pediatr** 1985 Jul;107(1):154-6
Culturing of throat swabs: end of an era? [editorial] Gerber MA. **J Pediatr** 1985 Jul;107(1):85-8
Latex agglutination tests for rapid identification of group A streptococci directly from throat swabs. Gerber MA, et al. **J Pediatr** 1984 Nov;105(5):702-5
Diagnosis and treatment of streptococcal pharyngitis [letter] **JAMA** 1985 Aug 16;254(7):907-9
Rapid office diagnostic tests for streptococcal pharyngitis. **Med Lett Drugs Ther** 1985 Jun 7;27(689):49-51
[Aerobic bacteria in pharyngitis and tonsillitis] Swiderski M, et al. **Wiad Lek** 1984 Nov 1;37(21):1681-7 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Foodborne streptococcal pharyngitis Kansas City, Missouri. Martin TA, et al. **Am J Epidemiol** 1985 Oct;122(4):706-9
Streptococcal foodborne outbreaks--Puerto Rico, Missouri. **MMWR** 1984 Nov 30;33(47):669-72

THERAPY

Consensus: difficult management problems in children with streptococcal pharyngitis. Breese BB, et al. **Pediatr Infect Dis** 1985 Jan-Feb;4(1):10-3

TRANSMISSION

Food-borne streptococcal pharyngitis in a hospital pediatrics clinic. Decker MD, et al. **JAMA** 1985 Feb 1;253(5):679-81

VETERINARY

Pharyngeal lymphoid hyperplasia in Thoroughbred racehorses in training. Auer DE, et al. **Aust Vet J** 1985 Apr;62(4):124-6

PHARYNX

'I have a bone stuck in my throat' [letter] **Br Med J [Clin Res]** 1984 Sep 22;289(6447):761-2
Chronic glossopharyngeal neuralgic pain associated with mucoepidermoid carcinoma. Pickell G. **Can Med Assoc J** 1985 Sep 15;133(6):579-80
Pharyngeal placement of the funnel of an esophageal prosthesis in advanced squamous cell carcinoma. von Maercke P, et al. **Endoscopy** 1985 Jul;17(4):127-8
Foreign bodies and dementia. Robinson AC, et al. **J Laryngol Otol** 1985 Jun;99(6):609-10
Foreign bodies in the cricopharyngeal region and oesophagus (a review of 226 cases). Nayak SR, et al. **J Postgrad Med** 1984 Oct;30(4):214-8
Foreign body sensation in the throat [letter] **J R Soc Med** 1985 Aug;78(8):696-7
Foreign body sensation in the throat [letter] Sharma PD. **J R Soc Med** 1985 Apr;78(4):348
Percutaneous needle pharyngostomy. Bucklin DL, et al. **JPEN** 1985 Jan-Feb;9(1):68-70
Open wide please. Straley J. **Oral Surg Oral Med Oral Pathol** 1985 May;59(5):548
[Acute cerebrovascular disorder simulating a foreign body in the throat] Chumakov FI, et al. **Vestn Otorinolaringol** 1985 May-Jun;(3):85-6 **(Rus)**

ABNORMALITIES

Fourth pharyngeal pouch sinus. Ostfeld E, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1114-7

ANATOMY & HISTOLOGY

Anatomical observations in the pharynx of the mouse with special reference to the nasopharyngeal hiatus (Wood Jones). Nakano T, et al. **Acta Anat (Basel)** 1985; 121(3):147-52
Simplified velopharyngeal orifice area estimation [letter] Smith BE. **Cleft Palate J** 1985 Jul;22(3):212-5
Modeled velopharyngeal orifice area prediction during simulated stop consonant production in the presence of increased nasal airway resistance. Smith BE, et al. **Cleft Palate J** 1985 Jul;22(3):149-53
Predictions of modeled palatopharyngeal port openings under conditions simulating pharyngeal flap reconstruction. Smith BE, et al. **Cleft Palate J** 1985 Jul;22(3):154-6
Anatomy and physiology of the pharynx. Donner MW, et al. **Gastrointest Radiol** 1985;10(3):196-212
A modified mathematical model of the cilia for pharyngeal epithelium of the frog [letter] Low PM. **J Biomech** 1984; 17(10):815
Velopharyngeal variations in relatives of cleft-affected individuals. Huston JP, et al.

J Craniofac Genet Dev Biol 1985;5(2):167-73

BLOOD SUPPLY

The venous architecture of the human pharyngo-esophageal transition. Tose D, et al. **Arch Ital Anat Embriol** 1984 Jul-Dec;89(3-4):157-65

Mucosal and submucosal veins of the human pharyngo-esophageal transition. Tose D, et al. **Arch Ital Anat Embriol** 1985 Jan-Mar;90(1):9-15

CYTOLOGY

Cell degeneration and mitosis in the buccopharyngeal and branchial membranes in the mouse embryo. Poelmann RE, et al. **Anat Embryol (Berl)** 1985;171(2):187-92

Identification of seven hormone-producing cell types in the human pharyngeal hypophysis. Ciocca DR, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):212-6

DRUG EFFECTS

Effect of upper airway carbon dioxide on ventilation and blood gases in the awake pony. Orr JA, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):793-7

[Study on changes of the bronchial and pharyngeal mucosa by long-term inhalation of beclomethasone dipropionate] Kihara N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Apr;22(4):304-10 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Formation and perforation of closing plates in the chick embryo. Waterman RE. **Anat Rec** 1985 Apr;211(4):450-7

ENZYMOLOGY

Purification and molecular characterization of bovine pregastric lipase. Bernbäck S, et al. **Eur J Biochem** 1985 Apr 15;148(2):233-8

GROWTH & DEVELOPMENT

Postnatal ontogeny of performances of the pharynx, larynx, and mouth. Bosma JF. **Am Rev Respir Dis** 1985 May;131(5):S10-5

INJURIES

[Pharyngeal and esophageal perforations in newborn infants] Schröder H. **Monatsschr Kinderheilkd** 1984 Aug;132(8):615-8 (Eng. Abstr.) **(Ger)**

[Penetration of a foreign body into the deep layers of the neck through the pharynx] Iarlykov SA, et al. **Vestn Otorinolaringol** 1985 Jan-Feb;(1):72-3 **(Rus)**

[Thermal lesions of the ENT organs, their diagnosis and treatment at medical evacuation centers] Tsurikov VP. **Voen Med Zh** 1985 Mar;(3):25-8 **(Rus)**

MICROBIOLOGY

Prevalence of enterotoxigenic staphylococci in nose, throat and skin lesions in meat-workers. Danielsson ML, et al. **Acta Vet Scand** 1984;25(2):242-9

Seroepidemiology of the group-A streptococcal carriage state in a private pediatric practice. Ginsburg CM, et al. **Am J Dis Child** 1985 Jun;139(6):614-7

Chlamydia trachomatis in the pharynx and rectum of heterosexual patients at risk for genital infection. Jones RB, et al. **Ann Intern Med** 1985 Jun;102(6):757-62

Chlamydia trachomatis in the pharynx [letter] Romanowski B, et al. **Ann Intern Med** 1985 Oct;103(4):646

Effect of aztreonam on throat and stool flora of cancer patients. Jones PG, et al. **Antimicrob Agents Chemother** 1984 Dec;26(6):941-3

Should routine throat cultures be done in hospital personnel complaining of a sore throat? Watanakunakorn C. **Infect Control** 1985 May;6(5):183-5

Ten-minute detection of group A streptococci in pediatric throat swabs. Chang MJ, et al. **J Clin Microbiol** 1985 Feb;21(2):258-9

Effect of delay in processing on the performance of Directigen for the detection of group A streptococci in throat swabs. Matteson ML, et al. **J Clin Microbiol** 1985 Jun;21(6):993-4

Detection of group A streptococcal antigen directly from throat swabs with a ten-minute latex agglutination test. Miceika BG, et al. **J Clin Microbiol** 1985 Mar;21(3):467-9

Evaluation of the Directigen Group A Strep test kit. Miller JM, et al. **J Clin Microbiol** 1984 Nov;20(5):846-8

Evaluation of a rapid method for the detection of streptococcal group A antigen directly from throat swabs. Venezia RA, et al. **J Clin Microbiol** 1985 Mar;21(3):395-8

High incidence of group C streptococci isolated from throat swabs [letter] Millar M. **J Clin Pathol** 1984 Nov;37(11):1314

High incidence of group C streptococci isolated from throat swabs [letter] Spencer R, et al. **J Clin Pathol** 1985 Mar;38(3):355

Throat cultures [letter] Forsyth RA. **J Fam Pract** 1985 Mar;20(3):235

Persistence of Neisseria meningitidis in the upper respiratory tract after intravenous antibiotic therapy for systemic meningococcal disease. Abramson JS, et al. **J Infect Dis** 1985 Feb;151(2):370-1

Faecal and pharyngeal shedding of rotavirus and rotavirus IgA in children with diarrhoea. Stals F, et al. **J Med Virol** 1984;14(4):333-9

Rapid diagnosis of streptococcal pharyngitis [letter] **J Pediatr** 1985 Jul;107(1):154-6

Streptococcal pharyngitis: optimal site for throat culture. Brien JH, et al. **J Pediatr** 1985 May;106(5):781-3

Culturing of throat swabs: end of an era? [editorial] Gerber MA. **J Pediatr** 1985 Jul;107(1):85-8

Latex agglutination tests for rapid identification of group A streptococci directly from throat swabs. Gerber MA, et al. **J Pediatr** 1984 Nov;105(5):702-5

Pharyngeal colonization with Haemophilus influenzae type b in children in a day care center without invasive disease. Murphy TV, et al. **J Pediatr** 1985 May;106(5):712-6

Chlamydia trachomatis in smears from eyes, ears, and throats of children with chronic otitis media [letter] Banks JR, et al. **Lancet** 1985 Aug 3;2(8449):278

Single-dose ceftriaxone to eradicate pharyngeal Neisseria meningitidis [letter] Judson FN, et al. **Lancet** 1984 Dec 22;2(8417-18):1462-3

Bacterial throat flora in children with sickle cell anaemia (HbSS). Chintu C, et al. **Med J Zambia** 1983 Oct;17(4):99-102

In vitro inhibition of growth of Neisseria gonorrhoeae by Neisseria meningitidis isolated from the pharynx of homosexual men. Bisaillon JG, et al. **Sex Transm Dis** 1984 Oct-Dec;11(4):296-300

Throat culture in impending peritonsillar abscess. Gray WC. **South Med J** 1984 Dec;77(12):1545-7

[Throat cultures in the health center] Mäkela M, et al. **Duodecim** 1985;101(13):1285-92 **(Fin)**

[Testing of mucosa disinfection methods in the mouth and throat. 1. Effect of chlorhexidine gluconate and PVP-iodine on alpha-hemolytic streptococci] Exner M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Dec;180(1):38-45 (Eng. Abstr.) **(Ger)**

[Studies on composition of pharyngeal flora in the aged] Suzuki K, et al. **Kansenshogaku Zasshi** 1984 Apr;58(4):304-11 (Eng. Abstr.) **(Jpn)**

[Presence of yeasts of the genus Candida in the digestive tract of women with vaginal candidiasis] Mańka W. **Ginekol Pol** 1984 Dec;55(12):945-50 (Eng. Abstr.) **(Pol)**

[Study of the dynamics of skin and throat automicroflora and the bacterial contamination of underwear in miners] Kozlov OIu, et al. **Gig Sanit** 1984 Oct;(10):88-9 **(Rus)**

[Local immunity of the upper respiratory tract in patients with acute leukemia] Martynova VA, et al. **Vopr Onkol** 1984;30(11):59-63 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Swellings of the soft palate: a diagnostic trap. Robertson MS, et al. **NZ Med J** 1984 Nov 14;97(767):775-7

PHYSIOLOGY

Upper airway artifact in respiratory impedance measurements. Peslin R, et al. **Am Rev Respir Dis** 1985 Sep;132(3):712-4

Multiview videoendoscopic evaluation of velopharyngeal physiology in 15 normal speakers. Karnell MP, et al. **Ann Otol Rhinol Laryngol** 1985 Jul-Aug;94(4 Pt 1):361-5

An improved esophageal insufflation test. Blom ED, et al. **Arch Otolaryngol** 1985 Apr;111(4):211-2

Musculus uvulae and levator palati: their anatomical and functional relationship in velopharyngeal closure. Boorman JG, et al. **Br J Plast Surg** 1985 Jul;38(3):333-8

Longitudinal evaluation of articulation and velopharyngeal competence of patients with pharyngeal flaps. Van Demark DR, et al. **Cleft Palate J** 1985 Jul;22(3):163-72

Anatomy and physiology of the pharynx. Donner MW, et al. **Gastrointest Radiol** 1985;10(3):196-212

Timing in the normal pharyngeal swallow. Prospective selection and evaluation of 16 normal asymptomatic patients. Curtis DJ, et al. **Invest Radiol** 1984 Nov-Dec;19(6):523-9

Factors influencing regional patency and configuration of the human infant upper airway. Reed WR, et al. **J Appl Physiol** 1985 Feb;58(2):635-44

Pharyngeal airway-stabilizing function of sternohyoid and sternothyroid muscles in the rabbit. Roberts JL, et al. **J Appl Physiol** 1984 Dec;57(6):1790-5

Pharyngeal resistance in normal humans: influence of gender, age, and obesity. White DP, et al. **J Appl Physiol** 1985 Feb;58(2):365-71

Evaluation of velopharyngeal closure by CT scan and endoscopy. Honjo I, et al. **Plast Reconstr Surg** 1984 Nov;74(5):620-7

[Endoscopic study of the components of palatopharyngeal closure] Belousova NV, et al. **Stomatologiia (Mosk)** 1985 Mar-Apr;64(2):38-40 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Waters projection for evaluation of lateral pharyngeal wall movement in speech disorders. Stringer DA, et al. **AJR** 1985 Aug;145(2):409-10

Pharyngeal compliance in snoring subjects with and without obstructive sleep apnea. Brown IG, et al. **Am Rev Respir Dis** 1985 Aug;132(2):211-5

Adaptation, compensation, and decompensation of the pharyngeal swallow. Buchholz DW, et al. **Gastrointest Radiol** 1985;10(3):235-9

Pharyngoesophageal interrelationships: observations and working concepts. Jones B, et al. **Gastrointest Radiol** 1985;10(3):225-33

Special swallowing problems in children. Kramer SS. **Gastrointest Radiol** 1985;10(3):241-50

Assessment of pharyngeal airway stability in normal and micrognathic infants. Roberts JL, et al. **J Appl Physiol** 1985 Jan;58(1):290-9

[Pharyngo-esophageal time in Chagas esophageal disease] Dantas RO, et al. **Arq Gastroenterol** 1984 Jan-Mar;21(1):13-6 (Eng. Abstr.) **(Por)**

RADIATION EFFECTS

[Effect of laser irradiation on the cellular structure of pharyngeal mucosa in paratonsillitis] Ivanov BS, et al. **Vestn Otorinolaringol** 1985 Mar-Apr;(2):55-7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Double-contrast examination of the pharynx. Ekberg O, et al. **Gastrointest Radiol** 1985;10(3):263-71

Dynamic imaging of the pharynx. Jones B, et al. **Gastrointest Radiol** 1985;10(3):213-24

SURGERY

Facial growth following pharyngeal flap surgery: skeletal assessment on serial lateral cephalometric radiographs. Long RE Jr, et al. **Am J Orthod** 1985 Mar;87(3):187-96

Aspiration in head and neck surgical patients. Logemann JA. **Ann Otol Rhinol Laryngol** 1985 Jul-Aug;94(4 Pt 1):373-6

Milestones in modern plastic surgery. A two-stage method for pharyngoesophageal reconstruction with a primary pectoral skin flap. By V.K. Bakamjian. 1965. **Ann Plast Surg** 1984 Sep;13(3):243-52

A method for lining the superiorly based pharyngeal flap. Newman FJ, et al. **Ann Plast Surg** 1985 Apr;14(4):346-50

Subcutaneous left colon reconstruction following pharyngo-laryngectomy [letter] **Ann R Coll Surg Engl** 1985 Mar;67(2):133-4

Replacement of the pharynx after pharyngolaryngectomy [letter] McLean NR. **Ann R Coll Surg Engl** 1985 May;67(3):210-1

Replacement of the pharynx after pharyngolaryngectomy [letter] Simms MH, et al. **Ann R Coll Surg Engl** 1985 Mar;67(2):135-6

Replacement of the pharynx after pharyngolaryngectomy. Stell PM. **Ann R Coll Surg Engl** 1984 Nov;66(6):388-90

Near-total pharyngeal reconstruction by 'rotary-door' sternohyoid myocutaneous flap in the dog. A preliminary report. Broniatowski M, et al. **Arch Otolaryngol** 1985 Oct;111(10):673-6

Pharyngoesophageal reconstruction [letter] Goepfert H. **Arch Otolaryngol** 1985 Oct;111(10):706

Reconstructive options for pharyngeal and/or cervical esophageal defects. Schuller DE. **Arch Otolaryngol** 1985 Mar;111(3):193-7

Pectoralis myocutaneous flap modifications [letter] Stiernberg CM. **Arch Otolaryngol** 1985 Mar;111(3):208

Uvulopalatopharyngoplasty. One-year followup. Conway W, et al. **Chest** 1985 Sep;88(3):385-7

The syndrome of inappropriate secretion of antidiuretic hormone in the pharyngeal flap operation. Drew GS, et al. **Cleft Palate J** 1985 Apr;22(2):88-92

A controlled pharyngostome following salvage laryngectomy after failed radiotherapy. Komisar A, et al. **Ear Nose Throat J** 1985 May;64(5):246-8

Complications associated with free jejunal graft reconstruction of the pharyngoesophagus--a multiinstitutional experience with 52 cases. Gluckman JL, et al. **Head Neck Surg** 1985 Jan-Feb;7(3):200-5

A method of determining the correct amount of palatal resection in palatopharyngoplasty. Colman MF, et al. **Laryngoscope** 1985 May;95(5):609-10

Reconstruction of the laryngopharynx and cervical esophagus. Fabian RL. **Laryngoscope** 1984 Oct;94(10):1334-50

Evaluation of the effectiveness of uvulopalatopharyngoplasty. Fujita S, et al. **Laryngoscope** 1985 Jan;95(1):70-4

Fiberoptic manipulation of the upper airway and the preoperative assessment for uvulopalatopharyngoplasty. Hausfeld JN. **Laryngoscope** 1985 Jun;95(6):738

Uvulopalatopharyngoplasty: a surgical procedure for obstructive sleep apnea and social snoring problems. Moore GF, et al. **Nebr Med J** 1985 Jan;70(1):7-12

Uvulopalatopharyngoplasty: a cure for snoring [letter] Walker E, et al. **NZ Med J** 1985 May 22;98(779):404

Further evaluation of uvulopalatopharyngoplasty in the treatment of obstructive sleep apnea syndrome. Katsantonis GP, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):244-50

Palatopharyngoplasty failure, cephalometric roentgenograms, and obstructive sleep apnea. Riley R, et al. **Otolaryngol Head Neck Surg** 1985 Apr;93(2):240-4

The palatopharyngoplasty operation for snoring and sleep apnea: an interim report. Simmons FB, et al. **Otolaryngol Head Neck Surg** 1984 Aug;92(4):375-80

Statico-dynamic palatopharyngoplasty with transmitted dynamism--a new technique. Ghosh P. **Papua New Guinea Med J** 1983 Jun;26(2):136-8

Pharyngoesophageal reconstruction using a fabricated forearm free flap. Harii K, et al. **Plast Reconstr Surg** 1985 Apr;75(4):463-76

Reconstruction of the pharyngoesophagus following pharyngoesophagectomy and irradiation therapy. Nozaki M, et al. **Plast Reconstr Surg** 1985 Sep;76(3):386–94

Aerodynamic assessment of the results of pharyngeal flap surgery: a preliminary investigation. Smith BE, et al. **Plast Reconstr Surg** 1985 Sep;76(3):402–10

Pharyngo-oesophageal reconstruction with the pectoralis major myocutaneous flap. Joseph CA, et al. **S Afr J Surg** 1985 Jun;23(2):67–9

[Current technics for reestablishing the cervical digestive tract after circular pharyngo-laryngectomy] Petriat B, et al. **An Otorrinolaringol Ibero Am** 1985;12(1):65–74 (Eng. Abstr.) **(Fre)**

[Velopharyngeal rehabilitation after transmaxillary buccopharyngectomy extending to the soft palate] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 1985; 102(3):135–7 (Eng. Abstr.) **(Fre)**

[Total 'true' pharyngoplasty using the colon in caustic pharyngolaryngeal stenosis] Popovici Z, et al. **Rev Chir [Otorinolaringol]** 1985 Jan–Mar;30(1):19–26 (Eng. Abstr.) **(Rum)**

[A new method of revascularization of a free segment of the intestine used for plastic surgery of the esophagus and pharynx] Lukomskil GI, et al. **Grudn Khir** 1984 Nov–Dec; (6):70–1 **(Rus)**

[Results of Schoenborn's pharyngoplasty in children with postoperative shortening of the soft palate] Zhak GA, et al. **Stomatologiia (Mosk)** 1984 Nov–Dec;63(6):32–3 (Eng. Abstr.) **(Rus)**

[Platysmal myocutaneous flap in the reconstruction of the oral cavity and pharynx] Kralj Z, et al. **Acta Med Iugosl** 1984;38(3):189–96 (Eng. Abstr.) **(Ser)**

PHASEOLUS VULGARIS LECTINS see **PHYTOHEMAGGLUTININS**

PHENACETIN

Abuse of a commonly prescribed analgesic preparation. Devenyi P, et al. **Can Med Assoc J** 1985 Aug 15; 133(4):294–6

ADVERSE EFFECTS

Acute abstinence syndrome after epidural injection of butorphanol. Weintraub SJ, et al. **Anesth Analg** 1985 Apr; 64(4):452–3

Pain perception expressed by postoperative analgetica need in patients with nephropathia interstitialis chronica e phenacetin. Egfjord M, et al. **Int J Addict** 1985 Feb; 20(2):363–8

Heavy phenacetin use and bladder cancer in women aged 20 to 49 years. Piper JM, et al. **N Engl J Med** 1985 Aug 1;313(5):292–5

Ultrasonic findings in analgesic nephropathy. Weber M, et al. **Nephron** 1985;39(3):216–22

[Analgesic nephropathy. II. Analgesic nephropathy and analgesic syndrome, diagnosis and treatment] Vitko S, et al. **Cas Lek Cesk** 1984 Aug 31;123(35):1079–82 **(Cze)**

ANALOGS & DERIVATIVES

Metabolism of N-hydroxy-2-acetylaminofluorene and N-hydroxy-phenacetin by guinea pig liver microsomal enzymes. Vaught JB, et al. **Carcinogenesis** 1985 Apr; 6(4):495–9

Mechanism of species differences in N-hydroxyphenacetin mutagenicity: the role of deacetylation by rat and hamster liver microsomes. Nohmi T, et al. **Chem Pharm Bull (Tokyo)** 1984 Nov;32(11):4525–31

Mass spectrometric determination of N-hydroxyphenacetin in urine using multiple metastable peak monitoring following thin-layer chromatography. Davies NW, et al. **J Chromatogr** 1984 Sep 14;310(1):179–87

Reaction of mutagenic phenacetin metabolites with glutathione and DNA. Possible implications for toxicity. Mulder GJ, et al. **Mol Pharmacol** 1984 Sep;26(2):342–7

ANALYSIS

[Simultaneous determination of quinine hydrochloride, phenacetin and caffeine in mixtures using spectrophotometry] Santoni G, et al. **Boll Chim Farm** 1984 Nov;123(11):539–43 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Comparison of the phenacetin and aminopyrine breath tests: effect of liver disease, inducers and cobaltous chloride. Schoeller DA, et al. **Hepatology** 1985 Mar–Apr;5(2):276–81

METABOLISM

Metabolism of acetaminophen and phenacetin by isolated rat hepatocytes. A system in which the spatial organization inherent in the liver is disrupted. Pang KS, et al. **Drug Metab Dispos** 1985 Jan–Feb;13(1):42–50

Nasal mucosa from rat fetuses and neonates metabolizes the nasal carcinogen phenacetin. Brittebo EB, et al. **Toxicol Lett** 1984 Dec;23(3):279–85

Additional routes in the metabolism of phenacetin. Fischbach T, et al. **Xenobiotica** 1985 Feb;15(2):149–64

In vivo metabolism of [4-13C]phenacetin in an isolated perfused rat liver measured by continuous flow 13C NMR spectroscopy. Albert K, et al. **Z Naturforsch [C]** 1984 Jul–Aug;39(7–8):859–62

TOXICITY

Metabolism and nephrotoxicity of phenacetin and sulfanilamide. Eyanagi R, et al. **J Pharmacobiodyn** 1985 Feb;8(2):95–105

Reaction of mutagenic phenacetin metabolites with glutathione and DNA. Possible implications for toxicity. Mulder GJ, et al. **Mol Pharmacol** 1984 Sep;26(2):342–7

PHENADONE see **METHADONE**

PHENANTHRENES

Rates of hydrolysis and extents of DNA binding of 5-methylchrysene dihydrodiol epoxides. Melikian AA, et al. **Cancer Res** 1985 May;45(5):1990–6

Reaction mechanisms of trans-1,2-dihydroxy-anti-3,4-epoxy-1,2,3,4-tetrahydro-5 with DNA in aqueous solutions. Kim MH, et al. **Carcinogenesis** 1985 Jan;6(1):121–6

The bay-region geometry of some 5-methylchrysenes: steric effects in 5,6- and 5,12-dimethylchrysenes. Zacharias DE, et al. **Carcinogenesis** 1984 Nov;5(11):1421–30

Effect of methylation on the conformer stability and reactivity of the bay-region diol-epoxides of chrysene. Silverman BD. **Chem Biol Interact** 1985 May;53(3):313–25 (52 ref.)

ANALYSIS

On the analysis of 1-nitronaphthalene, 1-nitropyrene and 6-nitrochrysene in cigarette smoke. el-Bayoumy K, et al. **Carcinogenesis** 1985 Apr;6(4):505–7

BLOOD

Paired-ion liquid chromatographic method for the analysis of a phenanthrenemethanol antimalarial in whole blood. Hines JW, et al. **J Pharm Sci** 1985 Apr;74(4):433–7

CHEMICAL SYNTHESIS

Quassinoid bitter principles. II. Polonsky J. **Fortschr Chem Org Naturst** 1985;47:221–64 (112 ref.)

[Synthesis of some compounds related to tanshinquinone] Sun CJ, et al. **Yao Hsueh Hsueh Pao** 1985 Jan;20(1):39–43 (Eng. Abstr.) **(Chi)**

ISOLATION & PURIFICATION

Antitumor agents, 65. Brusatol and cleomiscosin-A, antileukemic principles from Brucea javanica. Lee KH, et al. **J Nat Prod** 1984 May–Jun;47(3):550–1

15-Deacetylsergeolide, a potent antileukemic quassinoid from Picrolemma pseudocoffea. Polonsky J, et al. **J Nat Prod** 1984 Nov–Dec;47(6):994–6

METABOLISM

Numerical taxonomy of phenanthrene-degrading bacteria isolated from the Chesapeake Bay. West PA, et al. **Appl Environ Microbiol** 1984 Nov;48(5):988–93

Analysis of syn- and anti-1,2-dihydroxy-3,4-epoxy-1,2,3,4-tetrahydro-5-meth -deoxyribonucleoside adducts by boronate chromatography. Melikian AA, et al. **Cancer Lett** 1985 May;27(1):91–7

Tumorigenicity of 5-methylchrysene dihydrodiols and dihydrodiol epoxides in newborn mice and on mouse skin. Hecht SS, et al. **Cancer Res** 1985 Apr;45(4):1449–52

The formation of 9-hydroxychrysene-1,2-diol as an intermediate in the metabolic activation of chrysene. Hodgson RM, et al. **Carcinogenesis** 1985 Jan;6(1):135–9

Comparative studies of the metabolic activation of chrysene in rodent and human skin. Weston A, et al. **Chem Biol Interact** 1985 Jul;54(2):223–42

Comparative kinetics of oral benz(a)anthracene, chrysene and triphenylene in rats: study with hydrocarbon mixtures. Bartošek I, et al. **Toxicol Lett** 1984 Dec;23(3):333–9

[Pharmacokinetic studies on aristolochic acid in rats by an ultraviolet spectrophotometric method] Xiang ZX, et al. **Yao Hsueh Hsueh Pao** 1984 Mar;19(3):224–7 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Bruceantin, a potent amoebicide from a plant, Brucea antidysenterica. Gillin FD, et al. **Antimicrob Agents Chemother** 1982 Aug;22(2):342–5

Growth inhibitory, insecticidal and antifeedant effects of some antileukemic and cytotoxic quassinoids on two species of agricultural pests. Klocke JA, et al. **Experientia** 1985 Mar 15;41(3):379–82

Isolation and characterization of rat liver cytosolic aldehyde dehydrogenases induced by phenanthrene or benzo[a]pyrene. Törrönen R. **Int J Biochem** 1985; 17(1):101–6

[The pregnancy terminating effect and toxicity of an active constituent of Aristolochia mollissima Hance, aristolochic acid A] Wang WH, et al. **Yao Hsueh Hsueh Pao** 1984 Jun; 19(6):405–9 (Eng. Abstr.) **(Chi)**

[Drug sensitivity of Plasmodium falciparum in Madagascar. V. Study of the in vitro activity of quinine, mefloquine and halofantrine] Deloron P, et al. **Arch Inst Pasteur Madagascar** 1984;51(1):81–7 (Eng. Abstr.) **(Fre)**

TOXICITY

Aristolochic acid is mutagenic and recombinogenic in Drosophila genotoxicity tests. Frei H, et al. **Arch Toxicol** 1985 Jan;56(3):158–66

Methylene-bridged bay region chrysene and phenanthrene derivatives and their keto-analogs: mutagenicity in Salmonella typhimurium and tumor-initiating activity on mouse skin. Rice JE, et al. **Cancer Lett** 1985 Jun; 27(2):199–206

Tumorigenicity of 5-methylchrysene dihydrodiols and dihydrodiol epoxides in newborn mice and on mouse skin. Hecht SS, et al. **Cancer Res** 1985 Apr;45(4):1449–52

6-Nitrochrysene is a potent tumorigen in newborn mice. Busby WF Jr, et al. **Carcinogenesis** 1985 May;6(5):801–3

Characterization and identification of 6 mutagens in opium pyrolysates implicated in oesophageal cancer in Iran. Friesen M, et al. **Mutat Res** 1985 Jun–Jul;150(1–2):177–91

Aristolochic acid induces 6-thioguanine-resistant mutants in an extrahepatic tissue in rats after oral application. Maier P, et al. **Mutat Res** 1985 Jul;143(3):143–8

Toxicity of polycyclic aromatic hydrocarbons. I. Effect of phenanthrene, pyrene, and their ozonized products on blood chemistry in rats. Yoshikawa T, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):218–26

PHENANTHRIDINES

An improved method to determine cell viability by simultaneous staining with fluorescein diacetate-propidium iodide. Jones KH, et al. **J Histochem Cytochem** 1985 Jan; 33(1):77–9

ANALYSIS

Reinvestigation of the conformations of a variety of hexahydrobenzo[c]phenanthridine alkaloids by 470 MHz PMR and 50 MHz CMR spectroscopy. Cushman M, et al. **J Nat Prod** 1984 Jul–Aug;47(4):630–42

BLOOD

Preliminary pharmacokinetic study of isometamidium chloride in camels. Ali BH, et al. **Res Vet Sci** 1984 Nov; 37(3):376–7

CHEMICAL SYNTHESIS

Novel phenanthridine thiosemicarbazone and thiazoline derivatives: syntheses and evaluation for anticancer and antimicrobial activities. Omar AM, et al. **Arch Pharm (Weinheim)** 1984 Aug;317(8):668–74

Studies on the chemical constituents of rutaceous plants. LVI. The development of a versatile method for the synthesis of antitumor-active benzo[c]phenanthridine alkaloids. (6). Limitation of the Dyke synthetic pathway for benzo[c]phenanthridine alkaloids. Ishii H, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):3248–51

Studies on the chemical constituents of Rutaceous plants. LV. The development of a versatile method for the synthesis of antitumor-active benzo[c]phenanthridine alkaloids. (5). A new method for quaternization of the benzo[c]phenanthridine nucleus. Ishii H, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):2984–94

Studies on the chemical constituents of Rutaceous plants. LIV. The development of a versatile method for the synthesis of antitumor-active benzo[c]phenanthridine alkaloids. (4). Limitation of Bischler-Napieralski cyclization and detailed examination of the dehydrogenation of the Bischler-Napieralski products in the Robinson synthetic pathway for benzo[c]phenanthridine alkaloids. Ishii H, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):2971–83

DIAGNOSTIC USE

Propidium iodide and S1 nuclease: tools for studying DNA reassociation kinetics. Davies W, et al. **Anal Biochem** 1985 May 1;146(2):423–8

METABOLISM

Cytofluorescence localization of propidium iodide injected intravenously into the nervous system of the mouse Hussain ST, et al. **Acta Neuropathol (Berl)** 1985;66(1):62–7

Metabolites of phenanthridine formed by rat live homogenate. LaVoie EJ, et al. **Drug Metab Dispos** 198 Jan–Feb;13(1):71–5

PHARMACODYNAMICS

The appearance of isometamidium resistant Trypanosoma congolense in West Africa. Pinder M, et al. **Acta Trop (Basel)** 1984 Sep;41(3):247–52

Interaction of some enzymes with quaternary isoquinoline alkaloids. Ulrichová J. **Acta Univ Palacki Olomuc Fac Med** 1985;108:13–27 (69 ref.)

Effects of single and repeated daily injections of morphine, clonidine and l-nantradol on responding of squirrel monkeys under escape titration. Smith JB. **J Pharmacol Exp Ther** 1985 Jul;234(1):94–9

Inhibition of neuroblastoma adenylate cyclase by cannabinoid and nantradol compounds. Howlett AC. **Life Sci** 1984 Oct 22;35(17):1803–10

Activation of lymphocytes by

lycorine-1-O-beta-D-glucoside. Chattopadhyay U, et al. **Pharmazie** 1984 Dec;39(12):855-6

THERAPEUTIC USE

Antiemetic efficacy of levonantradol compared to delta-9-tetrahydrocannabinol for chemotherapy-induced nausea and vomiting. Citron ML, et al. **Cancer Treat Rep** 1985 Jan;69(1):109-12

Dose ranging evaluation of the antiemetic efficacy and toxicity of intramuscular levonantradol in cancer subjects with chemotherapy-induced emesis. Stambaugh JE Jr, et al. **J Clin Pharmacol** 1984 Nov-Dec;24(11-12):480-5

A clinical evaluation of Samorin in Trypanosoma evansi infections in Camelus dromedarius. Ali BH, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):208-10

[Levonantradol as an antiemetic in cancer chemotherapy] Mella O, et al. **Tidsskr Nor Laegeforen** 1984 Nov 30; 104(33):2320-2 (Eng. Abstr.) **(Nor)**

TOXICITY

Acute toxicity of samorin (isometamidium chloride) in rabbits. Ali BH, et al. **Comp Biochem Physiol [C]** 1984; 78(2):419-23

The toxic effect of intravenous application of the trypanocide isometamidium (Samorin). Schillinger D, et al. **Zentralbl Veterinarmed** [A] 1985 Mar;32(3):234-9

[Structure-function characterization of phenanthridinium compounds as mutagens in salmonella and yeast] Fukunaga M, et al. **Sangyo Ika Daigaku Zasshi** 1983 Jun 1;5(2):207-12 (Eng. Abstr.) **(Jpn)**

PHENANTHROLINES

Stabilizing effect of 1,10-orthophenanthroline on carboxypeptidase A from buffalo pancreas. Sud M, et al. **Indian J Biochem Biophys** 1984 Aug;21(4):272-5

ANALYSIS

[The structures of four minor diterpenequinones przewaquinones C, D, E and F from the root of Salvia przewalskii Maxim var mandarinorum (Diels) Stib.] Yang BJ, et al. **Yao Hsueh Hsueh Pao** 1984 Apr;19(4):274-81 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Biosynthesis of a chlorophyllide b-like pigment in phenanthroline-treated Chlamydomonas reinhardtii y-1. Bednarik DP, et al. **Arch Biochem Biophys** 1985 Jul; 240(1):369-79

1,10-Phenanthroline reversibility inhibits proliferation of two human prostate carcinoma cell lines (PC-3 and DU145). Ware JL, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):538-43

Bacteristatic activity of phenanthrolines against Escherichia coli and Bacillus subtilis. Sharrock P. **Can J Microbiol** 1985 Apr;31(4):367-70

Pharmacological perturbation of murine melanoma growth by copper chelates. Pierson HF. **Cancer Lett** 1985 Mar; 26(2):221-33

Endogenous copper is cytotoxic to a lymphoma in primary culture which requires thiols for growth. Mohindru A, et al. **Experientia** 1985 Aug 15;41(8):1064-6

Inhibitors of metalloendoprotease activity prevent K+-stimulated neurotransmitter release from the retina of Xenopus laevis. Frederick JM, et al. **J Neurosci** 1984 Dec; 4(12):3112-9

DNA cleavage in chromatin spacer segments by a non-enzymic probe, 1,10-phenanthroline-copper complex. Skalka M, et al. **Mol Biol Rep** 1985 Apr;10(3):163-8

Liquefaction of coagulated human semen. Lilja H, et al. **Scand J Clin Lab Invest** 1984 Sep;44(5):447-52

[Effect of Salvia miltiorrhiza on mesenteric microcirculatory blood flow in the dog measured by the Doppler effect of laser light] Yu GR. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Sep;4(9):546-7, 516 (Eng. Abstr.) **(Chi)**

[Effect of Salvia miltiorrhiza root on calcium deposition in experimental fracture healing] Zhang JY. **Chung Hsi I Chieh Ho Tsa Chih** 1984 Sep;4(9):536-9, 515 (Eng. Abstr.) **(Chi)**

[Effect of danshan and persantin on the alteration of platelet aggregation and microcirculation in diabetics] Zhu XX. **Chung Hua Nei Ko Tsa Chih** 1985 Apr;24(4):197-9, 253 (Eng. Abstr.) **(Chi)**

[Comparative study of the action of O-phenanthroline metal complexes and a number of other compounds on the activity of brain arginase isoforms] Navasardiants DG, et al. **Vopr Med Khim** 1985 Mar-Apr;31(2):72-6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

In vitro and in vivo chemotherapy screening of the divalent cation chelator 1,10-orthophenanthroline. Cohen PS, et al. **Cancer Chemother Pharmacol** 1985;15(1):6-10

PHENANTOIN see **PHENYTOIN**

PHENAZINES

Microspectrophotometric quantitation of glycosaminoglycans in articular cartilage sections stained with Safranin O. Kiviranta I, et al. **Histochemistry** 1985; 82(3):249-55

Cyanine and safranine dyes as membrane potential probes in cytochrome c oxidase reconstituted proteoliposomes. Singh AP, et al. **J Biochem Biophys Methods** 1985 Aug; 11(2-3):95-108

The sputum gram stain. Cox FR, et al. **J La State Med Soc** 1984 Nov;136(11):51-2

Rapid diagnosis of intravascular catheter-associated infection by direct Gram staining of catheter segments [letter] **N Engl J Med** 1985 Sep 19;313(12):754-5

BLOOD

[Effect of metabolic inhibitors on formed novocaine and neutral red segregation zones in frog erythrocytes] Veselkina MN, et al. **Tsitologiia** 1985 Apr;27(4):433-9 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

The use of neutral red as an intracellular pH indicator in rat brain cortex in vivo. LaManna JC, et al. **Anal Biochem** 1984 Oct;142(1):117-25

Clinical value of the Gram-stain smear of respiratory secretions. Pratter MR, et al. **Chest** 1985 Aug;88(2):163-4

Toxicity determined in vitro by morphological alterations and neutral red absorption. Borenfreund E, et al. **Toxicol Lett** 1985 Feb-Mar;24(2-3):119-24

ISOLATION & PURIFICATION

Phenacein--an angiotensin-converting enzyme inhibitor produced by a streptomycete. II. Isolation, structure determination and synthesis. Liu WC, et al. **J Antibiot (Tokyo)** 1984 Nov;37(11):1313-9

PHARMACODYNAMICS

The role of the lysosome in natural killing: inhibition by lysosomotropic vital dyes. Shau H, et al. **Immunology** 1984 Dec;53(4):745-51

Phenacein--an angiotensin-converting enzyme inhibitor produced by a streptomycete. I. Taxonomy, fermentation and biological properties. Bush K, et al. **J Antibiot (Tokyo)** 1984 Nov;37(11):1308-12

Intracellular parasite killing induced by electron carriers. II. Correlation between parasite killing and the induction of oxidative events in macrophages. Mauel J, et al. **Mol Biochem Parasitol** 1984 Sep;13(1):97-110

Intracellular parasite killing induced by electron carriers. I. Effect of electron carriers on intracellular Leishmania spp. in macrophages from different genetic backgrounds. Mauel J. **Mol Biochem Parasitol** 1984 Sep;13(1):83-96

TOXICITY

Mutagenicity of selected functionalized benz(c)acridines and a benz(a)phenazine in the Salmonella typhimurium/microsome assay. Walker BA, et al. **Anticancer Res** 1984 Nov-Dec;4(6):399-402

PHENAZOCINE

ANALOGS & DERIVATIVES

The effects of phencyclidine and N-allylnormetazocine on midbrain dopamine neuronal activity. Freeman AS, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):287-93

Stereoselective behavioral effects of N-allylnormetazocine in pigeons and squirrel monkeys. Katz JL, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):452-61

Stereoisomers of [3H]-N-allylnormetazocine bind to different sites in mouse brain. Martin BR, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):539-44

Characterization of specific binding sites for [3H](d)-N-allylnormetazocine in rat brain membranes. Itzhak Y, et al. **Mol Pharmacol** 1985 Jan;27(1):46-52

Sigma opioid receptors; SKF-10,047 update. Khazan N, et al. **Neuropeptides** 1985 Feb;5(4-6):339-40

3H-SKF10047 receptor binding studies. Attempts to define the opioid sigma receptor. Mickelson MM, et al. **Neuropeptides** 1984 Dec;5(1-3):149-52

Selected opioids and responding for intracranial reinforcement. Reid LD, et al. **Neuropeptides** 1985 Feb; 5(4-6):331-4

Sigma receptors mediated the psychotomimetic effects of N-allylnormetazocine (SKF-10,047), but not its opioid agonistic-antagonistic properties. Khazan N, et al. **Neuropharmacology** 1984 Aug;23(8):983-7

Demonstration and affinity labeling of a stereoselective binding site for a benzomorphan opiate on acetylcholine receptor-rich membranes from Torpedo electroplaque. Oswald RE, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):940-4

Demonstration of non-opioid sigma binding with (d)3H-SKF 10047 in guinea pig brain. Mickelson MM, et al. **Res Commun Chem Pathol Pharmacol** 1985 Feb; 47(2):255-63

PHENAZONE see **ANTIPYRINE**

PHENAZOPYRIDINE see under **AMINOPYRIDINES**

PHENBENZORPHAN see **PHENAZOCINE**

PHENCYCLIDINE

Phencyclidine-analogue self-injection by the baboon. Lukas SE, et al. **Psychopharmacology (Berlin)** 1984;83(4):316-20

ADMINISTRATION & DOSAGE

Concurrent phencyclidine and saccharin access: presentation of an alternative reinforcer reduces drug intake. Carroll ME. **J Exp Anal Behav** 1985 Jan;43(1):131-44

Acute and chronic behavioral interactions between phencyclidine (PCP) and amphetamine: evidence for a dopaminergic role in some PCP-induced behaviors. Greenberg BD, et al. **Pharmacol Biochem Behav** 1985 Jul; 23(1):99-105

ANALOGS & DERIVATIVES

Effects of phencyclidine and analog drugs on acetylcholine receptor of cultured muscle cells. Amir A, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):949-54

A specific alkylating ligand for phencyclidine (PCP) receptors antagonizes PCP behavioral effects. Contreras PC, et al. **Eur J Pharmacol** 1985 May 20;111(3):405-6

Nitrogen analogues of phencyclidine: 1-alkyl-4-phenyl-4-(1-piperidinyl)piperidines. Iorio MA, et al. **Farmaco [Sci]** 1984 Jul;39(7):599-611

A specific acylating agent for the [3H]phencyclidine receptors in rat brain. Rafferty MF, et al. **FEBS Lett** 1985 Feb 25;181(2):318-22

N-allyl analogues of phencyclidine: chemical synthesis and pharmacological properties. Kalir A, et al. **J Med Chem** 1984 Oct;27(10):1267-71

Effects of metaphit, a proposed phencyclidine receptor acylator, on catalepsy in pigeons. Koek W, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):648-53

Effects of phencyclidine (PCP)-like drugs on turning behavior, 3H-dopamine uptake and 3H-PCP binding. Johnson KM, et al. **Pharmacol Biochem Behav** 1985 May; 22(5):731-5

ANALYSIS

Hair analysis for detection of phencyclidine in newly admitted psychiatric patients. Sramek JJ, et al. **Am J Psychiatry** 1985 Aug;142(8):950-3

Detection of phencyclidine usage by radioimmunoassay of saliva. McCarron MM, et al. **J Anal Toxicol** 1984 Sep-Oct; 8(5):197-201

ANTAGONISTS & INHIBITORS

A specific alkylating ligand for phencyclidine (PCP) receptors antagonizes PCP behavioral effects. Contreras PC, et al. **Eur J Pharmacol** 1985 May 20;111(3):405-6

BLOOD

[Quantification of phencyclidine in blood by mass fragmentography] Mizuki T, et al. **Nippon Hoigaku Zasshi** 1984 Aug;38(4):424-7 (Eng. Abstr.) **(Jpn)**

METABOLISM

Binding of [3H]perhydrohistrionicotoxin and [3H]phencyclidine to the nicotinic receptor-ion channel complex of Torpedo electroplax. Inhibition by histrionicotoxins and derivatives. Aronstam RS, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3037-47

Displacement of [3H]phencyclidine binding to Torpedo electric organ membrane by calcium channel antagonists. Epstein PM, et al. **Biochem Pharmacol** 1984 Dec 15; 33(24):4087-9

Phencyclidine receptors in rat brain cortex. Mendelsohn LG, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3529-35

Attenuation of pharmacological effects and increased metabolism of phencyclidine in morphine tolerant mice. Nabeshima T, et al. **Eur J Pharmacol** 1984 Sep 17; 104(3-4):211-21

Aryldiazonium salts as photoaffinity labels of the nicotinic acetylcholine receptor PCP binding site. Kotzyba-Hibert F, et al. **FEBS Lett** 1985 Mar 25;182(2):297-301

Metabolism of phencyclidine. The role of the carbinolamine intermediate in the formation of lactam and amino acid metabolites of nitrogen heterocycles. Baker JK, et al. **J Med Chem** 1985 Jan;28(1):46-50

Phencyclidine (PCP) disposition kinetics in dogs as a function of dose and route of administration. Woodworth JR, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):654-61

Effect of parenterally administered atropine on the percutaneous absorption of phencyclidine and methadone. Bailey DN, et al. **Life Sci** 1985 Aug 5;37(5):417-23

Local anesthetic properties of opioids and phencyclidines: interaction with the voltage-dependent, batrachotoxin binding site in sodium channels. Creveling CR, et al. **Neuropeptides** 1985 Feb;5(4-6):253-6

PHARMACODYNAMICS

Effects of phencyclidine and analog drugs on acetylcholine receptor of cultured muscle cells. Amir A, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):949-54

Effect of phencyclidine (PCP) on blood pressure and catecholamine levels in discrete brain nuclei. Bayorh MA, et al. **Brain Res** 1984 Nov 12;321(2):315-8

Effects of phencyclidine administration on behavior and brain neurotensin–like immunoreactivity in rats. Wachi M, et al. **Brain Res** 1985 May 6;333(2):393–6

A comparison of CNS stimulants with phencyclidine on dopamine release using in vivo voltammetry. Howard–Butcher S, et al. **Brain Res Bull** 1984 Oct; 13(4):497–501

Phencyclidine (PCP): effects on auditory evoked potentials in the rhesus monkey. Matsuzaki M, et al. **Brain Res Bull** 1984 Jul;13(1):155–61

Phencyclidine (PCP): effects on limbic afterdischarges in the rhesus monkey. Matsuzaki M, et al. **Brain Res Bull** 1984 Nov;13(5):635–41

Phencyclidine (PCP): effects of acute and chronic administration on EEG activities in the rhesus monkey. Matsuzaki M, et al. **Electroencephalogr Clin Neurophysiol** 1985 Apr; 60(4):356–66

The effects of phencyclidine and N–allylnormetazocine on midbrain dopamine neuronal activity. Freeman AS, et al. **Eur J Pharmacol** 1984 Sep 17;104(3–4):287–93

Phencyclidine–induced catalepsy in pigeons: specificity and stereoselectivity. Koek W, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):635–8

Effects of phencyclidine (PCP) on cardiorespiratory functions in the rhesus monkey. Matsuzaki M, et al. **Eur J Pharmacol** 1984 Aug 3;103(1–2):145–51

Phencyclidine–induced inhibition of rat prolactin secretion: increased portal blood dopamine. Meltzer HY, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):143–6

Acute and chronic phencyclidine administration changes serotonin receptors in rat brain. Nabeshima T, et al. **Eur J Pharmacol** 1985 Feb 12;109(1):129–30

Role of sex hormones in sex–dependent differences in phencyclidine–induced stereotyped behaviors in rats. Nabeshima T, et al. **Eur J Pharmacol** 1984 Oct 15; 105(3–4):197–206

Circling behavior induced by phencyclidine in mice and its inhibition by naloxone. Eshel Y, et al. **Experientia** 1985 Jan 15;41(1):73–4

Phencyclidine (PCP) blocks glutamate–activated postsynaptic currents. Idriss M, et al. **FEBS Lett** 1985 Sep 9;189(1):150–6

Cardiac actions of phencyclidine in isolated guinea pig and rat heart: possible involvement of slow channels. Temma K, et al. **J Cardiovasc Pharmacol** 1985 Mar–Apr; 7(2):297–306

Bias of phencyclidine discrimination by the schedule of reinforcement. McMillan DE, et al. **J Exp Anal Behav** 1984 Jul;42(1):51–66

N–allyl analogues of phencyclidine: chemical synthesis and pharmacological properties. Kalir A, et al. **J Med Chem** 1984 Oct;27(10):1267–71

Performance maintained by orally delivered phencyclidine under second–order, tandem and fixed–interval schedules in food–satiated and food–deprived rhesus monkeys. Carroll ME. **J Pharmacol Exp Ther** 1985 Feb;232(2):351–9

A comparison between classes of drugs having phencyclidine–like behavioral properties on dopamine efflux in vitro and dopamine metabolism in vivo. Snell LD, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):261–9

Continuous intravenous infusion of phencyclidine in unrestrained rats results in the rapid induction of tolerance and physical dependence. Spain JW, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):415–24

Place conditioning with morphine and phencyclidine: dose dependent effects. Barr GA, et al. **Life Sci** 1985 Jan 28; 36(4):363–8

Effects of acute and chronic administrations of phencyclidine on the levels of serotonin and 5–hydroxyindoleacetic acid in discrete brain areas of mouse. Nabeshima T, et al. **Life Sci** 1985 Mar 11;36(10):939–46

The effects of ketamine, phencyclidine and lidocaine on catecholamine secretion from cultured bovine adrenal chromaffin cells. Purifoy JA, et al. **Life Sci** 1984 Oct 29; 35(18):1851–7

Cocaine and phencyclidine. Heterogenous dopaminergic interactions with tetrabenazine. Bagchi SP. **Neuropharmacology** 1985 Jan;24(1):37–41

Quantitative electrocortical changes in the rat induced by phencyclidine and other stimulants. Neal H, et al. **Neuropharmacology** 1985 Apr;24(4):317–23

Effects of opioids and phencyclidine in combination with naltrexone on the acquisition and performance of response sequences in monkeys. Moerschbaecher JM, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1061–9

Serotonergic involvement in phencyclidine–induced behaviors. Nabeshima T, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):401–8

Phencyclidine–like effect of cyclazocine on pentylentetrazol–induced seizures in laboratory animals. Sagratella S, et al. **Pharmacol Biochem Behav** 1985 Apr; 22(4):515–9

Differential effects of phencyclidine and MDA on complex operant behavior in monkeys. Thompson DM, et al. **Pharmacol Biochem Behav** 1984 Sep;21(3):453–7

Effect of dopaminergic agents on levels of dynorphin1–8 in rat striatum. Peterson MR, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):725–8

Homovanillic acid in rat caudate and prefrontal cortex following phencyclidine and amphetamine. Bowers MB Jr, et al. **Psychopharmacology (Berlin)** 1984;84(1):136–7

Increased phencyclidine self–administration due to food deprivation: interaction with concentration and training conditions. Carroll ME, et al. **Psychopharmacology (Berlin)** 1984;84(3):299–303

An assessment of the spontaneous activity of rats administered morphine, phencyclidine, or nicotine using automated and observational methods. Iwamoto ET. **Psychopharmacology (Berlin)** 1984;84(3):374–82

Effects of phencyclidine on active avoidance and escape in rats. Martin P, et al. **Psychopharmacology (Berlin)** 1985; 86(1–2):237–40

Effects of phencyclidine, haloperidol, and naloxone on fixed–interval performance in rats. Wagner GC, et al. **Psychopharmacology (Berlin)** 1984;84(1):32–8

Comparison between locomotor activity changes produced by phencyclidine and D–amphetamine in CD–1 male mice. Stavchansky S, et al. **Res Commun Chem Pathol Pharmacol** 1985 May; 48(2):189–202

Toxicity of 1–phenylcyclohexene and its interaction with phencyclidine. Hu CY, et al. **Toxicol Appl Pharmacol** 1984 Dec;76(3):403–13

[Phencyclidine, a drug which induces psychosis: its neuropharmacological actions] Nabeshima T, et al. **Yakubutsu Seishin Kodo** 1984 Sep;4(2):133–47 (118 ref.) (Eng. Abstr.) **(Jpn)**

POISONING

Treatment of PCP intoxication with verapamil [letter] Montgomery PT, et al. **Am J Psychiatry** 1985 Jul;142(7):882

Angel dust: medical and psychiatric aspects of phencyclidine intoxication. Robinson B 4th, et al. **Ariz Med** 1984 Dec; 41(12):808–11

Hemoperfusion of phencyclidine in the dog. Allen WR, et al. **Int J Artif Organs** 1985 Mar;8(2):101–4

Comparison of chlorpromazine, haloperidol and pimozide in the treatment of phencyclidine psychosis: DA–2 receptor specificity. Giannini AJ, et al. **J Toxicol Clin Toxicol** 1984–85;22(6):573–9

TOXICITY

Phencyclidine (PCP): some human studies. Pradhan SN. **Neurosci Biobehav Rev** 1984 Winter;8(4):493–501

URINE

Critical interpretation of urinary phencyclidine monitoring. Khajawall AM, et al. **Adv Alcohol Subst Abuse** 1984 Spring; 3(3):65–73

PHENCYCLIDINE ABUSE

COMPLICATIONS

Chlorpromazine vs. meperidine in the treatment of phencyclidine psychosis. Giannini AJ, et al. **J Clin Psychiatry** 1985 Feb;46(2):52–4

DIAGNOSIS

Hair analysis for detection of phencyclidine in newly admitted psychiatric patients. Sramek JJ, et al. **Am J Psychiatry** 1985 Aug;142(8):950–3

Angel dust: medical and psychiatric aspects of phencyclidine intoxication. Robinson B 4th, et al. **Ariz Med** 1984 Dec; 41(12):808–11

OCCURRENCE

Drug abuse among state hospital psychiatric inpatients with particular reference to PCP. Ragheb M. **J Clin Psychiatry** 1985 Aug;46(8):339–40

URINE

Critical interpretation of urinary phencyclidine monitoring. Khajawall AM, et al. **Adv Alcohol Subst Abuse** 1984 Spring; 3(3):65–73

PHENDIMETRAZINE see under **MORPHOLINES**

PHENELZINE

ADVERSE EFFECTS

Phenelzine–induced hypomania: effect of verapamil. Dubovsky SL, et al. **Biol Psychiatry** 1985 Sep;20(9):1009–14

Acute psychosis following phenelzine discontinuation. Liskin B, et al. **J Clin Psychopharmacol** 1985 Feb;5(1):46–7

Phenelzine and the dream machine––ramblings and reflections [editorial] Shader RI, et al. **J Clin Psychopharmacol** 1985 Apr;5(2):65

A controlled study of the effects of antidepressants on sexual function. Harrison WM, et al. **Psychopharmacol Bull** 1985; 21(1):85–8

ANALOGS & DERIVATIVES

Studies in vivo and in vitro on N–acetylphenelzine. Danielson TJ, et al. **Proc West Pharmacol Soc** 1984;27:507–10

METABOLISM

Formation of beta–phenylethylamine from the antidepressant, beta–phenylethylhydrazine. Dyck LE, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1925–9

Effects of chronic phenelzine in the rat: altered tissue weights and metabolism of 14C–phenelzine. Danielson TJ, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):677–82

PHARMACODYNAMICS

Drug interactions and vasoconstrictors used in local anesthetic solutions. Yagiela JA, et al. **Oral Surg Oral Med Oral Pathol** 1985 Jun;59(6):565–71

POISONING

Monoamine oxidase inhibitor overdose. Linden CH, et al. **Ann Emerg Med** 1984 Dec;13(12):1137–44 (77 ref.)

THERAPEUTIC USE

Treatment of major depression and Parkinson's disease with combined phenelzine and amantadine [letter] Greenberg R, et al. **Am J Psychiatry** 1985 Feb;142(2):273–4

Response to phenelzine among depressed patients with features of hysteroid dysphoria. Kayser A, et al **Am J Psychiatry** 1985 Apr;142(4):486–8

Monoamine oxidase inhibitors: should they be discontinued preoperatively? el–Ganzouri AR, et al. **Anesth Analg** 1985 Jun;64(6):592–6

Anesthesia for cardiac surgery in patients receiving monoamine oxidase inhibitors. Michaels I, et al. **Anesth Analg** 1984 Nov;63(11):1041–4

Treatment of bulimia with phenelzine. A double–blind, placebo–controlled study. Walsh BT, et al. **Arch Gen Psychiatry** 1984 Nov;41(11):1105–9

Rapid, psychopharmacologically induced improvement can produce new psychological symptoms. Sporty LD, et al. **Can J Psychiatry** 1984 Apr;29(3):256–7

Depression after minor closed head injury: role of dexamethasone suppression test and antidepressants. Saran AS. **J Clin Psychiatry** 1985 Aug;46(8):335–8

Phenelzine in the treatment of aphthous ulcers of the mouth [letter] Lejonc JL, et al. **N Engl J Med** 1985 Mar 28; 312(13):859–60

Does phenelzine relieve aphthous ulcers of the mouth? [letter] Rosenthal SH. **N Engl J Med** 1984 Nov 29;311(22):1442

Combined treatment of refractory depression with an MAO inhibitor and a tricyclic. Manshadi MS, et al. **Psychosomatics** 1984 Dec;25(12):929–31

'Pseudo–allergy': treatment with an MAO inhibitor. Ulwelling W. **Psychosomatics** 1985 Jun;26(6):535–6

PHENEMAL see **PHENOBARBITAL**

PHENETHANOLAMINE N–METHYLTRANSFERASE

ANALYSIS

Modulation of myosin isoenzyme populations and activities of monoamine oxidase and phenylethanolamine–N–methyltransferase in pressure loaded and normal rat heart by swimming exercise and stress arising from electrostimulation in pairs. Rupp H, et al. **Can J Physiol Pharmacol** 1984 Sep;62(9):1209–18

Effects of sinoaortic baroreceptor denervation on blood pressure and PNMT activity in medulla oblongata and spinal cord of normotensive and genetically hypertensive rats. Minson JB, et al. **J Hypertens** 1985 Feb;3(1):81–7

ANTAGONISTS & INHIBITORS

Quantitative structure–activity relationship studies of non–aromatic analogues of ethanolamine as inhibitors of phenylethanolamine N–methyltransferase. Singh P. **Arzneimittelforsch** 1985;35(1):21–3

Acute cardiovascular effects of two central phenylethanolamine–N–methyl–transferase inhibitors in unanesthetized desoxycorticosterone–salt hypertensive rats. Biollaz B, et al. **Eur J Pharmacol** 1984 Jul 20;102(3–4):515–9

Potential inhibitors of S–adenosylmethionine–dependent methyltransferases. 10. Base– and amino acid modified analogues of S–aristeromycinyl–L–homocysteine. Houston DM, et al. **J Med Chem** 1985 Apr;28(4):478–82

Inhibitors of phenylethanolamine–N–methyltransferase: effects on brain catecholamine content and blood pressure in DOCA–salt hypertensive rats. Liang NY, et al. **Res Commun Chem Pathol Pharmacol** 1984 Dec; 46(3):319–29

BIOSYNTHESIS

Subcellular site of biosynthesis of the catecholamine biosynthetic enzymes in bovine adrenal medulla. Sabban EL, et al. **J Neurochem** 1984 Dec;43(6):1663–8

DIAGNOSTIC USE

Catecholamine binding by adrenal medullary protein can interfere with a sensitive radioenzymatic assay for norepinephrine. Studelska DR, et al. **Life Sci** 1985 Mar 4;36(9):881–7

GENETICS

Genes for neurotransmitter synthesis, storage, and uptake

Joh TH, et al. **Fed Proc** 1985 Sep;44(12):2773-9

Inheritance of adrenal phenylethanolamine N-methyltransferase activity in the rat. Stolk JM, et al. **Genetics** 1984 Nov;108(3):633-49

Molecular biology of catecholamine neurons. Similar gene hypothesis. Joh TH, et al. **Hypertension** 1984 Sep-Oct;6(5 Pt 2):III-6

Evidence for the existence of a single gene or linked genes coding for catecholamine biosynthetic enzymes. Joh TH, et al. **Trans Assoc Am Physicians** 1983;96:38-43

IMMUNOLOGY

Co-localization of substance P- and phenylethanolamine-N-methyltransferase-like immunoreactivity in neurons of ventrolateral medulla that project to the spinal cord: potential role in control of vasomotor tone. Lorenz RG, et al. **Neurosci Lett** 1985 Apr 19;55(3):255-60

METABOLISM

Delayed appearance of tyrosine hydroxylase-like immunoreactivity in PNMT-immunoreactive neurones of the foetal rat brain. Foster GA, et al. **Acta Physiol Scand** 1984 Nov;122(3):429-32

Immunohistochemical evidence for phenylethanolamine-N-methyltransferase-positive/tyrosin hydroxylase-negative neurones in the retina and the posterior hypothalamus of the rat. Foster GA, et al. **Brain Res** 1985 Mar 18;330(1):183-8

Catecholamine-synthesizing enzymes in paraganglia of aged Fischer-344 rats. Immunohistochemistry and fluorescence microscopy. Partanen M, et al. **Cell Tissue Res** 1984; 238(2):217-20

Prolonged ACTH treatment increases trypsin-like and phenylethanolamine-N-methyltransferase (PNMT) activity in the adrenals. Simonyi A, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):465-6

Effect of hydrocortisone on immunohistochemically demonstrable phenylethanolamine-N-methyltransferase in cultures of embryonic and postnatal superior cervical ganglia. Päivärinta H, et al. **Histochemistry** 1984; 81(3):247-52

Catecholaminergic and GABAergic anatomical relationship in the rat substantia nigra, locus coeruleus, and hypothalamic median eminence: immunocytochemical visualization of biosynthetic enzymes on serial semithin plastic-embedded sections. Berod A, et al. **J Histochem Cytochem** 1984 Dec;32(12):1331-8

Developmental regulation of phenylethanolamine N-methyl transferase in avian sympathetic nerves. David JC, et al. **J Neurochem** 1984 Dec;43(6):1527-31

Glucocorticoid receptors and regulation of phenylethanolamine-N-methyltransferase activity in cultured chromaffin cells. Kelner KL, et al. **J Neurosci** 1985 Aug;5(8):2161-8

Morphometrical analysis of the distribution of corticotrophin releasing factor, glucocorticoid receptor and phenylethanolamine-N-methyltransferase immunoreactive structures in the paraventricular hypothalamic nucleus of the rat. Agnati LF, et al. **Neurosci Lett** 1985 Mar 15; 54(2-3):147-52

Adrenergic neurons in human brain demonstrated by immunohistochemistry with antibodies to phenylethanolamine-N-methyltransferase (PNMT): discovery of a new group in the nucleus tractus solitarius. Kitahama K, et al. **Neurosci Lett** 1985 Feb 4;53(3):303-8

Immunohistochemical evidence for epinephrine-containing retinal amacrine cells. Hadjiconstantinou M, et al. **Neuroscience** 1984 Oct;13(2):547-51

PHENETHICILLIN see under **PENICILLIN, PHENOXYMETHYL**

PHENETHYL ALCOHOL see under **ALCOHOL, ETHYL**

PHENETHYLAMINES

X-ray photoelectron spectra study on the derivatives of N-beta-phenethyl amine and N-beta-phenethyl glycine. Wang DX, et al. **Sci Sin [B]** 1985 Feb;28(2):113-20

ADMINISTRATION & DOSAGE

Clinicopharmacological study of long-term Jumex + Dopaflex combination treatment in Parkinson's syndrome. Antóny M, et al. **Ther Hung** 1982;30(4):168-71

ANALYSIS

Determination of 2-phenylethylamine in rat brain after MAO inhibitors, and in human CSF and urine by capillary GC and chemical ionization MS. Lauber J, et al. **J Neural Transm** 1984;60(3-4):247-64

m-Octopamine: normal occurrence with p-octopamine in mammalian sympathetic nerves. Ibrahim KE, et al. **J Neurochem** 1985 Jun;44(6):1862-7

In vitro adsorption-desorption of phenethylamines and phenylimidazoles by a bentonite and a resin. Stul MS, et al. **J Pharm Sci** 1984 Oct;73(10):1372-5

Beta-phenylethylamines and the isoquinoline alkaloids. Bentley KW. **Nat Prod Rep** 1984 Aug;1(4):355-70 (473 ref.)

Prenatal ontogenesis of p-, m-octopamine and phenylethanolamine in relation to catecholamines and their metabolizing enzymes in the developing rat brain and heart. David JC, et al. **Neuroscience** 1984 Aug;12(4):1271-6

Brain levels of 5-hydroxytryptamine, tryptamine and 2-phenylethylamine in the rat after administration of N-cyanoethyltranylcypromine. Baker GB, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):657-60

[A new high performance liquid chromatographic method of phenethylamines and amphetamines using fluorescamine] Shimamine M. **Nippon Hoigaku Zasshi** 1984 Apr; 38(2):206-17 (Eng. Abstr.) **(Jpn)**

BLOOD

Binding of (-) deprenyl to serum proteins. Szökö E, et al. **Pol J Pharmacol Pharm** 1984 Jul-Aug;36(4):413-21

CEREBROSPINAL FLUID

[beta-Phenylethylamine in the cisternal fluid in acute endogenous psychoses] Uebelhack R, et al. **Biomed Biochim Acta** 1984;43(11):1257-60 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Amino acids and peptides. IV. Synthesis and analgesic effects of Tyr-containing dipeptide phenethylamides. Maeda M, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):4157-60

Asymmetric alpha-substituted phenethylamines. IV. The synthesis and analgesic activity of optically pure (S) and (R)-1-cyclohexyl- and 1-cyclohexenyl-2-phenylethylamines. Takahashi H, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2714-23

alpha-Phenyl-beta-(3,4-dimethoxy)phenethylamines: novel inhibitors of choline acetyltransferase from Torpedo electric organ. Shafik RM, et al. **J Pharm Sci** 1984 Nov; 73(11):1548-50

[Non-steroidal anti-inflammatory agents. III. Synthesis and analgesic-anti-inflammatory activity of 4-(pyrrol-1-yl)phenylacetamides and 4-(pyrrol-1-yl)phenethylamines] Stefancich G, et al. **Farmaco [Sci]** 1984 Sep;39(9):752-64 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Rapid and simple purification of the 125I-labeled alpha-1 adrenergic radioligand 2-[beta-(4-hydroxylphenylethyl)aminomethyl] tetralone (BE 2254) using reversed-phase high-performance liquid chromatography. Riemer RK, et al. **J Chromatogr** 1985 Feb 27;338(1):236-41

[Development of positron tracer for in vivo estimation of brain MAO-B activity: theoretical consideration of metabolic-trapping tracers and evaluation of 11C-N,N dimethylphenylethylamine] Inoue O, et al. **Kaku Igaku** 1984 Jun;21(6):671-8 (Eng. Abstr.) **(Jpn)**

METABOLISM

The brain octopamine and phenylethanolamine content in rats in thioacetamide-induced hepatogenic encephalopathy. Hilgier W, et al. **Acta Neurol Scand** 1985 Mar;71(3):195-8

alpha-Substituted 2-phenylethylamines and N-oxidized congeners. Chemistry, metabolism and ligand interactions with cytochrome P-450. Paulsen-Sörman U. **Acta Pharm Suec** 1984;21(3):207

Thermodynamics of agonist and antagonist binding to the alpha 1-adrenoceptor studied using [125I]BE 2254. Adams A, et al. **Biochem Biophys Res Commun** 1985 Apr 30; 128(2):816-23

Formation of beta-phenylethylamine from the antidepressant, beta-phenylethylhydrazine. Dyck LE, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1925-9

Selective, irreversible in vivo binding of [11C]clorgyline and [11C]-L-deprenyl in mice: potential for measurement of functional monoamine oxidase activity in brain using positron emission tomography. MacGregor RR, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3207-10

Comparison of the affinity of secoverine for some muscarinic receptors. Choo LK, et al. **Clin Exp Pharmacol Physiol** 1985 Jan-Feb;12(1):95-8

Relationship of N-demethylation of amiflamine and its metabolite to debrisoquine hydroxylation polymorphism. Alván G, et al. **Clin Pharmacol Ther** 1984 Oct;36(4):515-9

Direct measurement of vascular alpha 1-adrenoceptors. Hoffman BB, et al. **Clin Sci** 1985;68 Suppl 10:35s-37s

Identification of 1,3-diphenyl-2-aminopropane metabolites by gas chromatography, gas chromatography with Fourier transform infrared spectroscopy and gas chromatography-mass spectrometry. Juvancz Z, et al. **J Chromatogr** 1985 Jan 11;337(1):121-5

Radioactive N,N-dimethylphenylethylamine: a selective radiotracer for in vivo measurement of monoamine oxidase-B activity in the brain. Inoue O, et al. **J Neurochem** 1985 Jan;44(1):210-6

Characterization of IBE 2254 binding to alpha 1-adrenergic receptors on intact DDT1 smooth muscle cells: comparison with membrane binding and correlation with phosphoinositides breakdown. Hoyer D. **J Recept Res** 1984; 4(1-6):51-67

Deafferentation of the rat hippocampus does not alter the affinity or binding capacity for the alpha 1-adrenoceptor radioligand [125I]BE 2254. Adams A, et al. **Neurosci Lett** 1984 Dec 21;52(3):311-6

Pharmacokinetic aspects of deprenyl effects. Magyar K, et al. **Pol J Pharmacol Pharm** 1984 Jul-Aug;36(4):373-84

Carbamate prodrugs of phenylethylamines: a neurochemical investigation. Baker GB, et al. **Proc West Pharmacol Soc** 1984;27:523-5

Analysis and the effects of some drugs on the metabolism of phenylethylamine and phenylacetic acid. McQuade PS. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):607-14

PHARMACODYNAMICS

Effects of amiflamine and related compounds on the accumulation of biogenic monoamines in rat brain slices in vitro and ex vivo in relation to their behavioural effects. Rényi L, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 May; 56(5):416-26

The effect of secoverine hydrochloride on stimulated sigmoid motility: a double-blind, placebo controlled cross-over study in irritable bowel syndrome. Ehsanullah M, et al. **Br J Clin Pharmacol** 1985 Mar;19(3):301-5

Increased total activity in the rat after L-tryptophan plus the monoamine oxidase-A inhibitor amiflamine but not after L-tryptophan plus clorgyline. Archer T, et al. **Br J Pharmacol** 1985 Jul;85(3):581-90

Inhibition of monoamine oxidase in 5-hydroxytryptaminergic neurones by substituted p-aminophenylalkylamines. Ask AL, et al. **Br J Pharmacol** 1985 Jul;85(3):683-90

Release of endogenous dopamine from rat isolated striatum: effect of clorgyline and (-)-deprenyl. Hársing LG Jr, et al. **Br J Pharmacol** 1984 Nov;83(3):741-9

Spin state control of cytochrome P-450 reduction and catalytic activity in a reconstituted P-450 LM2 system as induced by a series of benzphetamine analogues. Schwarze W, et al. **Chem Biol Interact** 1985 Jul;54(2):127-41

Deprenyl selectively inhibits [3H]MPTP binding sites in monkey brain. Del Zompo M, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):285-6

The effects of amiflamine on cerebrospinal fluid amine metabolites in the rhesus monkey. Garrick NA, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):1-9

Differential antagonism by dicyclomine, pirenzepine and secoverine at muscarinic receptor subtypes in the rat frontal cortex. Marchi M, et al. **Eur J Pharmacol** 1985 Jan 2; 107(2):287-8

Phenethanolamine derivatives with calorigenic and antidiabetic qualities. Meier MK, et al. **Int J Obes** 1984; 8 Suppl 1:215-25

Thermogenesis and weight control. Yen TT, et al. **Int J Obes** 1984;8 Suppl 1:65-78

Protective effects of trans-13-APT, a thromboxane receptor antagonist, in endotoxemia. Olanoff LS, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb;7(1):114-20

Increased affinity and preference of halogenated derivatives of BE 2254 for alpha 1-adrenoceptors demonstrated by functional and binding experiments. Schlicker E, et al. **J Cardiovasc Pharmacol** 1984 Nov-Dec;6(6):1238-44

N-[2-hydroxy-5-[2-(methylamino)ethyl]phenyl]methanes A potent agonist which releases intracellular calcium by activation of alpha 1-adrenoceptors. DeMarinis RM, et al. **J Med Chem** 1985 Feb;28(2):245-8

Selective inhibition of MAO-A but not MAO-B activity increases rat pineal melatonin. Oxenkrug GF, et al. **J Neural Transm** 1985;61(3-4):265-70

The action and interaction of beta-phenethylamines and imidazolines on prejunctional alpha 2-adrenoceptors of guinea-pig ileum in the presence of the non-competitive antagonist benextramine. Mottram DR, et al. **J Pharm Pharmacol** 1984 Oct;36(10):668-72

Monoamine oxidase-A selective inhibition in human hypothalamus and liver in-vitro by amiflamine and its metabolites. Tipton KF, et al. **J Pharm Pharmacol** 1985 May;37(5):352-4

Inhibition of locus coeruleus neuronal activity by beta-phenylethylamine. Lundberg PA, et al. **Life Sci** 1985 May 13;36(19):1889-96

Unreliability of the rat stomach fundus as a predictor of hallucinogenic activity in substituted phenethylamines. Nichols DE, et al. **Life Sci** 1984 Sep 24;35(13):1343-8

Comparison of brown adipose tissue thermogenesis induced by congeners and isomers of phenylpropanolamine. Wellman PJ, et al. **Life Sci** 1985 Sep 16;37(11):1023-8

The facilitation of dopaminergic activity in the aged brain by (-)deprenyl. A proposal for a strategy to improve the quality of life in senescence. Knoll J. **Mech Ageing Dev** 1985 May 13;30(2):109-22 (39 ref.)

Selective inhibition by amiflamine of monoamine oxidase type A in rat brain, liver and duodenum. Ask AL. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):56-63

Effects of clorgyline and (-)deprenyl on the deamination of normetanephrine and noradrenaline in strips and homogenates of the canine saphenous vein. Caramona MM, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Feb; 328(4):396-400

Stereoselective inhibition of monoamine oxidase and semicarbazide-sensitive amine oxidase by 4-dimethylamino-2,alpha-dimethylphenethylamine (FLA 336). Fowler CJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Oct; 327(4):279-84

Potentiation of total horizontal activity and ambulation in rats treated with combinations of beta-phenylethylamine and naloxone. Dourish CT, et al. **Neuropharmacology** 1984 Sep;23(9):1059-64

Local application of beta-phenylethylamine to the caudate nucleus of the rat elicits locomotor stimulation. Dourish CT. **Pharmacol Biochem Behav** 1985 Jan;22(1):159-62

Opioid activity of lefetamine. De Montis MG, et al. **Pharmacol Res Commun** 1985 May;17(5):471-8

Clinical and experimental evidence of an opiate-like activity of lefetamine. Paroli E, et al. **Pharmacol Res Commun** 1984 Sep;16(9):915-22

Characterization of octopamine-sensitive adenylate cyclase: elucidation of a class of potent and selective octopamine-2 receptor agonists with toxic effects in insects. Nathanson JA. **Proc Natl Acad Sci USA** 1985 Jan;82(2):599-603

beta-Phenylethylamine and reinforcement. Greenshaw AJ. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):615-20

Environmental experience produces qualitative changes in the stimulant effects of beta-phenylethylamine in rats. Dourish CT, et al. **Psychopharmacology (Berlin)** 1984; 84(1):132-5

Pharmacogenetics of phenylethylamine: determination of heritability and genetic transmission of locomotor effects in recombinant inbred strains of mice. Jeste DV, et al. **Psychopharmacology (Berlin)** 1984;84(4):537-40

Phenylethylamine-induced stereotypies in the rat: a behavioral test system for assessment of MAO-B inhibitors. Ortmann R, et al. **Psychopharmacology (Berlin)** 1984; 84(1):22-7

Tyramine pressor sensitivity changes during deprenyl treatment. Sunderland T, et al. **Psychopharmacology (Berlin)** 1985;86(4):432-7

The role of hexoprenaline in suprapubic amniocentesis during late pregnancy. A pilot study. Cronjé HS, et al. **S Afr Med J** 1984 Nov 17;66(20):770-2

[The effect of a new antiparkinson agent, Selegilin, on psychomotor performance in humans] Müller-Limmroth W. **Arzneimittelforschung** 1985;35(6):998-1002 (Eng. Abstr.) **(Ger)**

[Effects of acute and chronic administration of fendiline on glucose tolerance and on insulin secretion in healthy volunteers and type II diabetics] Marigo S, et al. **Clin Ter** 1984 Nov 30;111(4):325-31 (Eng. Abstr.) **(Ita)**

[Presynaptic regulation of dopamine release by beta-phenylethylamine] Zharikova AD, et al. **Biull Eksp Biol Med** 1984 Nov;98(11):574-6 (Eng. Abstr.) **(Rus)**

POISONING

[Drug toxicity-induced pulmonary edema (letter)] Baethke R, et al. **Dtsch Med Wochenschr** 1985 Aug 23;110(34):1313 **(Ger)**

SECRETION

[3H] beta-phenylethylamine but not [3H](+)-amphetamine is released by electrical stimulation from perfused rat striatal slices. Niddam R, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):121-4

THERAPEUTIC USE

The effect of L-Deprenyl on on-off phenomena in Parkinson's disease. Brodersen P, et al. **Acta Neurol Scand** 1985 Jun;71(6):494-7

Biochemical effects of L-deprenyl in atypical depressives. Liebowitz MR, et al. **Biol Psychiatry** 1985 May; 20(5):558-65

Platelet monoamine oxidase inhibition by deprenyl and tranylcypromine: implications for clinical use. Simpson GM, et al. **Biol Psychiatry** 1985 Jun;20(6):684-7

Pargyline and deprenyl prevent the neurotoxicity of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in monkeys. Cohen G, et al. **Eur J Pharmacol** 1984 Oct 30; 106(1):209-10

Deprenyl in Parkinson disease: personal experience. Giovannini P, et al. **Ital J Neurol Sci** 1985 Jun;6(2):207-12

Pharmacological treatment of attention deficit disorder, residual type (ADD,RT, 'minimal brain dysfunction,' 'hyperactivity') in adults. Wender PH, et al. **Psychopharmacol Bull** 1985;21(2):222-31

Clinical and urodynamic effects of norfenefrine in women with stress incontinence. Lose G, et al. **Urol Int** 1984; 39(5):298-302

[Hexoprenaline--a new tocolytic for treatment of premature labor] Heilmann L, et al. **Arzneimittelforschung** 1985; 35(5):857-61 (Eng. Abstr.) **(Ger)**

[Myoglobin behavior with hexoprenaline and beta blockade] Lechner W, et al. **Z Geburtshilfe Perinatol** 1984 Sep-Oct; 188(5):226-7 (Eng. Abstr.) **(Ger)**

[Hemodynamic and humoral effects of fendiline, a calcium antagonist drug, in idiopathic hypertension patients] Castellano M, et al. **Boll Soc Ital Cardiol** 1984 Jul-Aug; 29(7-8):359-66 (Eng. Abstr.) **(Ita)**

[Hemodynamics and humoral effects of fendiline, a calcium antagonist drug, in essential hypertension patients] Castellano M, et al. **Cardiologia** 1984 Jul-Aug, 29(7-8):359-66 (Eng. Abstr.) **(Ita)**

[Lephetamine in the treatment of postoperative pain] Binda GA, et al. **Clin Ter** 1984 Dec 31;111(6):545-7 (Eng. Abstr.) **(Ita)**

[Evaluation of the calcium antagonist fendilin in exertion angina] Fino E, et al. **Clin Ter** 1985 Mar 15;112(5):445-51 (Eng. Abstr.) **(Ita)**

[Type II diabetes and ischemic cardiopathy. Clinical results and possible pharmacologic interference in treatment with fendiline] Ferraris GM, et al. **G Clin Med** 1984 Jul-Aug; 65(7-8):357-66 (Eng. Abstr.) **(Ita)**

[Biochemical basis for using selective monoamine oxidase inhibitors in the treatment of Parkinson's disease. Critical contribution] Amato L, et al. **Riv Neurol** 1985 Jan-Feb; 55(1):46-52 (32 ref.) **(Ita)**

URINE

Increased urinary excretion of m-octopamine in neuroblastoma. Ibrahim KE, et al. **Biochem Med** 1985 Feb; 33(1):53-9

Biochemical effects of L-deprenyl in atypical depressives. Liebowitz MR, et al. **Biol Psychiatry** 1985 May; 20(5):558-65

Cold-restraint stress and urinary endogenous beta-phenylethylamine excretion in rats. Snoddy AM, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):497-500

Phenylethylamine excretion in depression. DeLisi LE, et al. **Psychiatry Res** 1984 Nov;13(3):193-201

PHENETHYLAZOCINE see **PHENAZOCINE**

PHENETIDINE see under **AMINOPHENOLS**

PHENFORMIN

ADMINISTRATION & DOSAGE

[Prevention of recurrent thrombophlebitis by long-term use of fibrinolysis-activating drugs] Czestochowska E. **Pol Tyg Lek** 1984 Jun 12-25;39(25-26):853-6 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Phenformin-associated lactic acidosis: that genie again [editorial] Abraham P, et al. **J Assoc Physicians India** 1984 Nov;32(11):933-4

[A case of phenformin-induced lactic acidosis complicated by total atrioventricular block] Moratti P, et al. **Minerva Cardioangiol** 1984 Jul-Aug;32(7-8):489-91 (Eng. Abstr.) **(Ita)**

METABOLISM

Dissociation of co-regulatory control of debrisoquin/phenformin and sparteine oxidation in Ghanaians. Woolhouse NM, et al. **Clin Pharmacol Ther** 1985 May;37(5):512-21

PHARMACODYNAMICS

Phenformin and other antidiabetic drugs on blood lactic acid. Tripathy BB, et al. **J Assoc Physicians India** 1984 Nov; 32(11):954-8

Effect of alloxan diabetes and phenformin on insulin binding with liver plasma membrane receptors. Chaujar M, et al. **Jpn J Exp Med** 1984 Oct;54(5):189-93

[Biguanides and glucidic homeostasis: effects of metformin and phenformin on the intermediate metabolism and insulin receptors of normal subjects] Calafiore R, et al. **Recenti Prog Med** 1985 Mar;76(3):152-3 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Effect of phenformin and succinic acid on the transplacental carcinogenic effect of N-nitroso-N-ethylurea in rats] Bespalov VG, et al. **Vopr Onkol** 1984;30(10):55-9 (Eng. Abstr.) **(Rus)**

PHENIDYLATE see **METHYLPHENIDATE**

PHENINDIONE

ANALOGS & DERIVATIVES

[Post-traumatic subarachnoid hemorrhage of the cauda equina] Lesoin F, et al. **Acta Neurol Belg** 1985 May-Jul; 85(3):166-70 (Eng. Abstr.) **(Fre)**

[Tumoral spinal meningeal hemorrhage during anticoagulant treatment] Destée A, et al. **Rev Neurol (Paris)** 1984; 140(8-9):517-9 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Prevention of fatal pulmonary embolism in patients with fractures of the neck of the femur. Gruber UF. **Surg Gynecol Obstet** 1985 Jul;161(1):37-42

PHENIRAMINE

METABOLISM

Pharmacokinetics of pheniramine (Avil) and metabolites in healthy subjects after oral and intravenous administration. Witte PU, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Jan;23(1):59-62

PHENMETRALINE see **PHENMETRAZINE**

PHENMETRAZINE

RADIATION EFFECTS

The effect of irradiation on the distribution of phenmetrazine in rats. Obršál J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1983;26(5):619-29

PHENOBARBITAL

Binding characteristics of 3H-flunitrazepam and CL-218,872 in cerebellum and cortex of C57B1 mice made tolerant to and dependent on phenobarbital or ethanol. Liljequist S, et al. **Alcohol** 1985 Mar-Apr;2(2):215-20

Schedule-induced ethanol dependence and phenobarbital preference. Tang M, et al. **Alcohol** 1984 Jan-Feb;1(1):55-8

[Benzylisoquinoline alkaloid reactions with barbiturates. Reaction of papaverine with sodium phenobarbital. III. Avoidance of incompatibility by using the beta-cyclodextrin inclusion complex] Rácz I, et al. **Acta Pharm Hung** 1984 Jul;54(4):154-9 (Eng. Abstr.) **(Hun)**

[Effect of microcrystalline cellulose on the properties of phenobarbital tablets] Szabóné Révész P, et al. **Acta Pharm Hung** 1984 Jul;54(4):181-6 (Eng. Abstr.) **(Hun)**

ADMINISTRATION & DOSAGE

Once-daily administration of phenobarbital in adults. Clinical efficacy and benefit. Wroblewski BA, et al. **Arch Neurol** 1985 Jul;42(7):699-700

Neonatal seizure recurrence following discontinuation of phenobarbital. Labrecque D, et al. **Clin Pharm** 1984 Nov-Dec;3(6):649-52

Comment on ephedrine-phenobarbital formulations [letter] Lourwood DL Jr. **Drug Intell Clin Pharm** 1984 Nov; 18(11):924-5

The effect of phenobarbital on theophylline disposition in children with asthma. Saccar CL, et al. **J Allergy Clin Immunol** 1985 Jun;75(6):716-9

Single dose bedtime phenobarbitone therapy in epilepsy. Shukla R, et al. **J Assoc Physicians India** 1984 Jul; 32(7):551-3

[Nanogram for the dosage of phenobarbital in children (letter)] **An Esp Pediatr** 1984 Jun;20(9):917-8 **(Spa)**

[Nomogram for phenobarbital dosage in children (letter)] Armijo JA, et al. **An Esp Pediatr** 1985 Apr 15;22(5):418-21 **(Spa)**

ADVERSE EFFECTS

Case report of barbiturate-induced enhancement of methadone metabolism and withdrawal syndrome. Liu SJ, et al. **Am J Psychiatry** 1984 Oct;141(10):1287-8

Functional palatal incompetence in the fetal anticonvulsant syndrome. Pearl KN, et al. **Arch Dis Child** 1984 Oct; 59(10):989-90

Different actions of vitamin D2 and D3 on bone metabolism in patients treated with phenobarbitone/phenytoin. Tjellesen L, et al. **Calcif Tissue Int** 1985 May;37(3):218-22

Eczematous drug reaction from phenobarbitone. Fernández de Corres L, et al. **Contact Dermatitis** 1984 Nov;11(5):319

Absence of behavioral effects of intrauterine phenobarbital exposure in rats. McBride MC, et al. **Exp Neurol** 1984 Oct; 86(1):53-65

Chromosomal studies of peripheral blood from epileptic patients treated with phenobarbital and/or diphenylhydantoin. Kulkarni PS, et al. **Food Chem Toxicol** 1984 Dec;22(12):1009-12

Comparison of the impact of continuous and intermittent exposure to vinyl chloride, including phenobarbital effect. Jedrychowski RA, et al. **J Hyg Epidemiol Microbiol Immunol** 1985;29(2):111-20

Immunologic aspects of phenobarbital hypersensitivity. Knutsen AP, et al. **J Pediatr** 1984 Oct;105(4):558-63

Splenic hemorrhage in a neonate of a mother on anticonvulsant therapy. Traggis DG, et al. **J Pediatr Surg** 1984 Oct;19(5):598-9

Slow saccades and hypometria in anticonvulsant toxicity. Thurston SE, et al. **Neurology** 1984 Dec;34(12):1593-6

Phenobarbital-induced dyskinesia in a neurologically-impaired child. Wiznitzer M, et al. **Neurology** 1984 Dec;34(12):1600-1

Phenobarbital side effects: hyperactivity with speech delay [letter] Levenstein D, et al. **Pediatrics** 1984 Dec;74(6):1133

Bilateral shoulder-hand syndrome associated with phenobarbital administration. A case report. Reddy MP. **Phys Ther** 1985 Feb;65(2):201-2

[Effects of phenobarbital on thyroid function in childhood. Iatrogenic TBG deficiency] Zanini R, et al. **Minerva Pediatr** 1984 May 31;36(10):553-6 (Eng. Abstr.) **(Ita)**

[Side effects of antiepileptic drugs] Rościszewska D. **Neurol Neurochir Pol** 1984 Nov-Dec;18(6):575-81 (30 ref.) **(Pol)**

[Hypersensitivity syndrome caused by phenytoins and phenobarbital] Fonseca JC, et al. **Med Cutan Iber Lat Am** 1984;12(3):187-92 (Eng. Abstr.) **(Por)**

ANALOGS & DERIVATIVES

Determination of phenobarbital, p-hydroxyphenobarbital and phenobarbital–N–glucoside in urine by gas chromatography chemical ionization mass spectrometry. Tang BK, et al. **Biomed Mass Spectrom** 1984 Sep; 11(9):462–5

Heteroassociation of O– and N–isopropyl derivatives of barbital and phenobarbital with 9–ethyladenine. Gentric E, et al. **Chem Biol Interact** 1985 Jun;54(1):117–25

New polymorphic forms of phenobarbital. Kato Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):4170–4

Direct detection of 1–(beta–D–glucopyranosyl)phenobarbital in human urine. Soine WH, et al. **Drug Metab Dispos** 1984 Nov–Dec;12(6):792–4

Diphenylbarbituric acid: its effects on neuromuscular and spinal cord function in the cat. Zavadil AP 3d, et al. **Epilepsia** 1985 Mar–Apr;26(2):158–66

Separate site(s) of action of optical isomers of 1–methyl–5–phenyl–5–propylbarbituric acid with opposite pharmacological activities at the GABA receptor complex. Ticku MK, et al. **Eur J Pharmacol** 1985 May 28;112(1):1–9

Suppression of repetitive firing of neurons by diphenylbarbituric acid. Huguenard JR, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):228–31

Comparison of the effects of diphenylbarbituric acid, phenobarbital, pentobarbital and secobarbital on GABA–mediated inhibition and benzodiazepine binding. Iadarola MJ, et al. **J Pharmacol Exp Ther** 1985 Jan; 232(1):127–33

ANALYSIS

Quantitation of phenobarbital and phenobarbital sodium in pharmaceutical dosage forms. Das Gupta V. **J Pharm Sci** 1984 Aug;73(8):1158–60

Effect of ethanol, glycerol, and propylene glycol on the stability of phenobarbital sodium. Das Gupta V. **J Pharm Sci** 1984 Nov;73(11):1661–2

BLOOD

Determination of phenobarbital in human serum by spin immunoassay. S[illegible]o H, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3706–9

Ligand displacement immunoassay––demonstration of its use for the measurement of serum phenobarbital and phenytoin. Hinds JA, et al. **Clin Chim Acta** 1985 Jul 15;149(2–3):105–15

Effect of peritoneal dialysis on serum concentrations of three drugs commonly used in pediatric patients. Chow–Tung E, et al. **Dev Pharmacol Ther** 1985;8(2):85–95

Pharmacokinetic study in the premature newborn of a lyophilized form of phenobarbital. Ribon B, et al. **Dev Pharmacol Ther** 1984;7 Suppl 1:177–84

PB:PRM ratio in patients with epilepsy treated with primidone. Cornaggia CM, et al. **Int J Clin Pharmacol Res** 1983;3(3):185–93

Application of derivative spectroscopy to the determination of plasma theophylline in the presence of phenobarbital. Bermejo A, et al. **J Anal Toxicol** 1985 Mar–Apr;9(2):76–80

High performance liquid chromatographic procedure for the simultaneous determination of theophylline, caffeine, and phenobarbital in neonates. Soto–Otero R, et al. **J Clin Chem Clin Biochem** 1985 May;23(5):303–6

Comparison of equilibrium dialysis, ultrafiltration, and gel permeation chromatography for the determination of free fractions of phenobarbital and phenytoin. Melten JW, et al. **J Pharm Sci** 1985 Jun;74(6):692–4

Interpreting drug levels. Cridland JS. **S Afr Med J** 1985 Mar 16;67(11):401–2

Spurious phenobarbital levels by fluorescence polarization immunoassay using TDx analyzer in patients with renal disease. Bridges RR, et al. **Ther Drug Monit** 1984; 6(3):368–70

Steady–state serum levels of anticonvulsant drugs in Chinese epileptic patients living in Taiwan. Lai ML. **Ther Drug Monit** 1985;7(1):83–6

Dual–label fluoroimmunoassay for simultaneous determination of primidone and phenobarbital. Sidki AM, et al. **Ther Drug Monit** 1985;7(1):101–7

Monitoring drug noncompliance in epileptic patients: assessing phenobarbital plasma levels. Takaki S, et al. **Ther Drug Monit** 1985;7(1):87–91

[Determination of theophylline, phenobarbital and valproic acid by chromatographic and immunologic technics. Comparison of methods] Vinçon G, et al. **Ann Biol Clin (Paris)** 1984;42(6):427–32 (Eng. Abstr.) **(Fre)**

[Plasma concentrations of phenobarbital and dosage according to age] Alix D, et al. **Dev Pharmacol Ther** 1984; 7 Suppl 1:164–70 (Eng. Abstr.) **(Fre)**

[Plasma assay of phenobarbital, pentobarbital and penthiobarbital by high performance liquid chromatography] Nicot G, et al. **Therapie** 1984 Jul–Aug; 39(4):361–7 (Eng. Abstr.) **(Fre)**

[Simultaneous determination of 4 anticonvulsant drugs by high pressure liquid chromatography (HPLC)] Andriolo A, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):203–8 (Eng. Abstr.) **(Por)**

[Serum concentrations of phenobarbital and the metabolism of calcium and phosphorus in children] Salazar T, et al. **Rev Chil Pediatr** 1984 Nov–Dec;55(6):407–10 (Eng. Abstr.) **(Spa)**

METABOLISM

Changes in phenobarbital concentrations in the cerebrospinal fluid and blood of the newborn. Bourin M, et al. **Dev Pharmacol Ther** 1984;7 Suppl 1:171–6

Study of blood–brain tissue [H+] gradient during respiratory alkalosis and experimental seizures in newborn piglets. Effect on phenobarbital distribution. Monin P, et al. **Dev Pharmacol Ther** 1984;7 Suppl 1:185–9

Preliminary study on the pharmacokinetics of phenobarbital in the neonatal foal. Spehar AM, et al. **Equine Vet J** 1984 Jul;16(4):368–71

Inhibition of methadone and phenobarbital percutaneous absorption by parenterally administered ethanol. Bailey DN, et al. **J Anal Toxicol** 1984 Nov–Dec;8(6):269–72

Studies with stable isotopes III: Pharmacokinetics of tracer doses of drug. Browne TR, et al. **J Clin Pharmacol** 1985 Jan–Feb;25(1):59–63

Studies with stable isotopes II: Phenobarbital pharmacokinetics during monotherapy. Browne TR, et al. **J Clin Pharmacol** 1985 Jan–Feb;25(1):51–8

Phenobarbital in the genetically obese Zucker rat. I. Pharmacokinetics after acute and chronic administration. Brouwer KL, et al. **J Pharmacol Exp Ther** 1984 Dec; 231(3):649–53

Kinetics of drug action in disease states. IX. Effect of experimental fever on phenobarbital concentrations at onset of loss of righting reflex in rats. Hisaoka M, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):722–4

Influence of the blood–brain pH gradient on brain phenobarbital uptake during status epilepticus. Simon RP, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):830–5

Absorption kinetics and bioavailability of phenobarbital after oral administration to dogs. Al–Tahan F, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):205–7

Characterization of [3H]phenobarbital binding to rat brain membranes. Lohse MJ, et al. **Neurosci Lett** 1984 Nov 23; 52(1–2):97–101

Biopharmaceutical investigation of rectal suppositories. Part 2(1): Pharmaceutical and biological availability of phenobarbital and phenobarbital–sodium. Minkov E, et al. **Pharmazie** 1985 Apr;40(4):257–9

[Pharmacokinetics of injectable phenobarbital in the premature infant. Study of a new lyophilized form] Kossmann JC, et al. **Arch Fr Pediatr** 1985 Apr;42(4):317–20 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effects of phenobarbital, diphenylhydantoin and carbamazepine on thyroid function in epileptic children. Rousso I, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984; 265:48–9

Drugs affecting bilirubin uptake by human erythrocyte ghosts. Karp WB, et al. **Am J Med Sci** 1985 Jun; 289(6):236–9

Transcriptional regulation of rat liver glutathione S–transferase genes by phenobarbital and 3–methylcholanthrene. Ding VD, et al. **Arch Biochem Biophys** 1985 Aug 1;240(2):553–9

Dealkylation of pentoxyresorufin: a rapid and sensitive assay for measuring induction of cytochrome(s) P–450 by phenobarbital and other xenobiotics in the rat. Lubet RA, et al. **Arch Biochem Biophys** 1985 Apr;238(1):43–8

Effects of phenobarbital, phorone and carbon tetrachloride pretreatment on the biliary excretion of acetaminophen in rats. Loeser W, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):180–8

Phenobarbital and some other liver tumor promoters stimulate DNA synthesis in cultured rat hepatocytes. Edwards AM, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):103–8

Monoclonal antibody directed isolation and amino–terminal sequence analysis of phenobarbital induced rat liver cytochromes P–450. Friedman FK, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):926–33

Evidence that 2–allyl–2–isopropylacetamide and phenobarbital induce the same cytochrome P–450 in cultured chick embryo hepatocytes. Oron L, et al. **Biochem Biophys Res Commun** 1984 Dec 28; 125(3):1096–102

Turnover of messenger RNA, apoprotein and haem of cytochrome P–450b + e induced by phenobarbitone in rat liver. Ravishankar H, et al. **Biochem J** 1985 Jul 1; 229(1):73–9

Xenobiotic imprinting of the hepatic monooxygenase system. Effects of neonatal phenobarbital administration. Bagley DM, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1007–14

Effect of chronic phenobarbital treatment on folates and one–carbon enzymes in the rat. Carl GF, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3457–63

Hexachlorobenzene–induced porphyria in Japanese quail. Effect of pretreatment with phenobarbital or beta–naphthoflavone. Carpenter HM, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3875–81

Oxidation and glucuronidation of valproic acid in male rats––influence of phenobarbital, 3–methylcholanthrene, beta–naphthoflavone and clofibrate. Heinemeyer G, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):133–9

Comparison of kidney, lung and liver coumarin 7–hydroxylases in phenobarbital pretreated DBA/2J and C57BL/6J mice. Kaipainen P, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1987–91

Effects of phenobarbitone and beta–naphthoflavone on hepatic microsomal drug metabolising enzymes of the male beagle dog. McKillop D. **Biochem Pharmacol** 1985 Sep 1; 34(17):3137–42

Cytochrome P–450–dependent nicotine oxidation by liver microsomes of guinea pigs. Immunochemical evidence with antibody against phenobarbital–inducible cytochrome P–450. Nakayama H, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2281–6

Induction of cytochrome P–450 by phenobarbital is mediated at the level of transcription. Pike SF, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2489–94

Altered induction response of hepatic cytochrome P–450 to phenobarbital, 3–methylcholanthrene, and beta–naphthoflavone in organotin–treated animals. Rosenberg DW, et al. **Biochem Pharmacol** 1985 Apr 1; 34(7):997–1005

Immunological evidence for phenobarbital–stimulated synthesis of cytochrome P–450 in primary cultures of chick embryo hepatocytes. Oron L, et al. **Biochim Biophys Acta** 1984 Nov 13;805(3):291–9

Phenobarbitone and the relationship between extraversion and reinforcement in verbal operant conditioning. Gupta U. **Br J Psychol** 1984 Nov;75 (Pt 4):499–506

Effect of phenobarbital on the gamma–glutamyltranspeptidase activity and the remodeling of nodules induced by the initiation–selection model. Herren–Freund SL, et al. **Cancer Lett** 1985 Jun; 27(2):153–61

Modification of N–methyl–N–nitrosourea initiated carcinogenesis in the rat by subsequent treatment with antioxidants, phenobarbital and ethinyl estradiol. Tsuda H, et al. **Cancer Lett** 1984 Aug;24(1):19–27

Effect of phenobarbital and other liver monooxygenase modifiers on dimethylnitrosamine–induced alkylation of rat liver macromolecules. Schwarz M, et al. **Cancer Res** 1985 May;45(5):2020–4

The stimulation by the tumour promoters 12–O–tetradecanoylphorbol–13–acetate and phenobarbital of the growth of primary neonatal rat hepatocytes. Armato U, et al. **Carcinogenesis** 1985 Jun;6(6):811–22

Effects of N–nitrosomorpholine and phenobarbital on UDP–glucuronyltransferase in putative preneoplastic foci of rat liver. Fischer G, et al. **Carcinogenesis** 1985 Apr; 6(4):605–9

Ultrastructural and immunohistochemical studies on non–ciliated cells of the tracheal epithelium of normal, phenobarbital–treated and 3–methylcholanthrene–treated mice. Ishimura K, et al. **Cell Tissue Res** 1985;240(2):501–4

Phenobarbital induces cytochrome P–450– and cytochrome P–448–dependent monooxygenases in rat hepatoma cells. Wiebel FJ, et al. **Chem Biol Interact** 1984 Dec;52(2):151–62

Differential solubilization of rabbit liver plasma membrane gamma–glutamyltransferase by proteases and detergents: effect of phenobarbital treatment. Ratanasavanh D, et al. **Clin Chim Acta** 1984 Dec 29;144(2–3):127–32

Position–specific induction of benzo(a)pyrene metabolism by 3–methylcholanthrene and phenobarbital in mullet (Mugil cephalus), a marine fish. Schoor WP, et al. **Comp Biochem Physiol** [C] 1984;78(2):391–6

Regional cerebral blood flow during bicuculline–induced seizures in the newborn piglet: effect of phenobarbital. Clozel M, et al. **Dev Pharmacol Ther** 1985;8(3):189–99

Regulation of hepatic monooxygenases by phenobarbital, 3–methylcholanthrene, and polychlorinated biphenyls in rapid and slow acetylator mice. Elves RG, et al. **Drug Metab Dispos** 1985 May–Jun;13(3):354–8

Prevention of chlorphentermine–induced pulmonary phospholipidosis in rats by phenobarbital. Reasor MJ, et al. **Drug Metab Dispos** 1985 Mar–Apr;13(2):192–6

Dietary cholesterol–induced changes of xenobiotic metabolism in liver. II. Effects of phenobarbitone and carbon tetrachloride on activities of drug–metabolizing enzymes. Hietanen E, et al. **Drug Nutr Interact** 1982; 1(4):313–27

Perturbation of calcium homeostasis by CCl4 in rats pretreated with chlordecone and phenobarbital. Agarwal AK, et al. **Environ Health Perspect** 1984 Aug;57:289–91

Resolution by high–pressure liquid chromatography and partial characterization of multiple forms of cytochrome P–450 from hepatic microsomes of phenobarbital–treated rats. Bansal SK, et al. **Eur J Biochem** 1985 Jan 2; 146(1):23–33

Nuclear ADP–ribosyl transferase activity correlates with induction of P–450 monooxygenases by phenobarbital in rat liver microsomes. Lechner MC, et al. **Eur J Biochem** 1985 Sep 16;151(3):621–4

Expression of cytochromes P–450 in rat hepatoma cells. Analysis by monoclonal antibodies specific for cytochromes P–450 from rat liver induced by 3–methylcholanthrene or phenobarbital. Wiebel FJ, et al. **Eur J Biochem** 1984 Dec 17;145(3):455–62

Effects of phenobarbital on biliary lipid metabolism in children with chronic intrahepatic cholestasis. Becker M, et al. **Eur J Pediatr** 1984 Nov;143(1):41–4

Modification of the antiepileptic actions of phenobarbital and phenytoin by the taurine transport inhibitor, guanidinoethane sulfonate. Izumi K, et al. **Eur J Pharmacol** 1985 Apr 2;110(2):219–24

Specific effects of chronic phenobarbital administration on high– and low–affinity benzodiazepine receptors in mouse cerebellum and forebrain. Liljequist S, et al. **Eur J Pharmacol** 1984 Aug 17;103(3–4):343–8

Effect of aminophylline on muscle relaxant action of diazepam and phenobarbitone in genetically spastic rats:

ARK PUBLIC LIBRARY

further evidence for a purinergic mechanism in the action of diazepam. Turski L, et al. **Eur J Pharmacol** 1984 Aug 3;103(1–2):99–105

Long-term survival of functional hepatocytes from adult rat in the presence of phenobarbital in primary culture. Miyazaki M, et al. **Exp Cell Res** 1985 Jul;159(1):176–90

Long-term behavioral effects of phenobarbital in suckling rats. McBride MC, et al. **Exp Neurol** 1985 Jul;89(1):59–70

Inducibility of the hepatic microsomal monooxygenase system experimentally reduced to a minimum amount/activity. Effect of hypophysectomy, partial hepatectomy and phenobarbital/toluene treatment on the hepatic polysubstrate monooxygenase system in rats. Ungváry G, et al. **Exp Pathol** 1985;27(4):207–20

Influence of phenobarbital and TCDD on the hepatic metabolism of TCDD in the dog. Poiger H, et al. **Experientia** 1985 Mar 15;41(3):376–8

Cytochrome P450 of small intestinal epithelial cells. Immunochemical characterization of the increase in cytochrome P450 caused by phenobarbital. Bonkovsky HL, et al. **Gastroenterology** 1985 Feb;88(2):458–67

Quantitative analysis of smooth endoplasmic reticulum proliferation in hepatocytes of early postnatal and adult mice treated with phenobarbital. Kanai K, et al. **Gastroenterology** 1984 Nov;87(5):1131–7

Effects of phenobarbital and p,p'-DDT on carboxylesterase activity and hydrolysis of propanidid in rat liver. Nousiainen U. **Gen Pharmacol** 1985;16(1):49–53

The effects of phenobarbital, bis-p-nitrophenyl phosphate and disulfiram on the hydrolysis of propanidid in Wistar rats. Nousiainen U. **Gen Pharmacol** 1984;15(5):397–402

Effects of phenobarbital on bilirubin metabolism and its response to phototherapy in the jaundiced Gunn rat. Cohen AN, et al. **Hepatology** 1985 Mar–Apr;5(2):310–6

The modulation of growth of normal rat liver epithelial cells in calcium-poor medium by epidermal growth factor, phenobarbital, phorbol ester, and retinoic acid. Tsao MS, et al. **In Vitro Cell Dev Biol** 1985 May;21(5):249–53

Response of meiotic chromosomes of mice to phenobarbitone. Subramanyam S, et al. **Indian J Exp Biol** 1984 Dec;22(12):666–9

On the mechanism of the inactivation of the major phenobarbital-inducible isozyme of rat liver cytochrome P-450 by chloramphenicol. Halpert JR, et al. **J Biol Chem** 1985 Jul 15;260(14):8397–403

Phenobarbital induction of rat liver cytochromes P-450b and P-450e. Quantitation of specific RNAs by hybridization to synthetic oligodeoxyribonucleotide probes. Omiecinski CJ, et al. **J Biol Chem** 1985 Mar 25;260(6):3247–50

Gene structure of a major form of phenobarbital-inducible cytochrome P-450 in rat liver. Suwa Y, et al. **J Biol Chem** 1985 Jul 5;260(13):7980–4

Biochemical effects of 12-O-tetradecanoylphorbol-13-acetate, retinoic acid, phenobarbital, and 5-azacytidine on a normal rat liver epithelial cell line. Tsao MS, et al. **J Cell Physiol** 1984 Oct;121(1):1–6

Effects of phenobarbitone and 6-methylprednisolone pretreatment on pressure/flow relations in the superior mesenteric and iliac arterial beds of the rat. Hiley CR, et al. **J Pharm Pharmacol** 1985 Mar;37(3):164–9

Kinetics of drug action in disease states XII: Effect of experimental liver diseases on the pharmacodynamics of phenobarbital and ethanol in rats. Danhof M, et al. **J Pharm Sci** 1985 Mar;74(3):321–4

Kinetics of drug action in disease states XI: effect of nicotine on the pharmacodynamics and pharmacokinetics of phenobarbital and ethanol in rats. Hisaoka M, et al. **J Pharm Sci** 1985 Apr;74(4):412–5

Effect of phenobarbital pretreatment on the plasma and urinary levels of (–)-alpha-acetylmethadol and its metabolites. Kuttab SH, et al. **J Pharm Sci** 1985 Mar;74(3):331–4

An induction effect of phenobarbital on rat liver microsomal 4-hydroxylation of estradiol 17-sulfate. Watanabe K, et al. **J Pharmacobiodyn** 1984 Sep;7(9):699–701

Induction of quinidine metabolism and plasma protein binding by phenobarbital in dogs. Rakhit A, et al. **J Pharmacokinet Biopharm** 1984 Oct;12(5):495–515

Phenobarbital in the genetically obese Zucker rat. II. In vivo and in vitro assessments of microsomal enzyme induction. Brouwer KL, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):654–9

Kinetics of drug action in disease states. V. Acute effect of urea infusion on phenobarbital concentrations in rats at onset of loss of righting reflex. Danhof M, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):430–4

Kinetics of drug action in disease states. VI. Effect of experimental diabetes on phenobarbital concentrations in rats at onset of loss of righting reflex. Danhof M, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):435–8

Kinetics of drug action in disease states. IV. Effect of pregnancy on phenobarbital concentrations at onset of loss of righting reflex in rats. Danhof M, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):426–9

Kinetics of drug action in disease states. XIII. Effect of dialyzable component(s) of uremic blood on phenobarbital concentrations in rats at onset of loss of righting reflex. Hisaoka M, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):180–3

Comparison of the effects of diphenylbarbituric acid, phenobarbital, pentobarbital and secobarbital on GABA-mediated inhibition and benzodiazepine binding. Iadarola MJ, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):127–33

Natural (–)- and unnatural (+)-enantiomers of morphine: comparative metabolism and effect of morphine and phenobarbital treatment. Rane A, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):761–5

Neonatal exposure to cadmium alters the responses of the hepatic monooxygenases to phenobarbital and to cadmium in adult male rats. Virgo BB, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):700–4

A comparison of the effects of hexachlorobenzene, beta-naphthoflavone, and phenobarbital on cytochrome P-450 and mixed-function oxidases in Japanese quail. Carpenter HM, et al. **J Toxicol Environ Health** 1985;15(1):93–108

Inhibitory effect of phenobarbital on the development of gliomas in WF rats treated neonatally with N-ethyl-N-nitrosourea. Naito M, et al. **JNCI** 1985 Mar;74(3):725–8

The occurrence of cross-tolerance between morphine and ethyl-ketocyclazocine using the tail-flick test: lack of effect of diazepam, phenobarbital, or amphetamine. Eisenberg RM. **Life Sci** 1985 Sep 9;37(10):915–22

Does phenobarbital protect against trimethyltin-induced neuropathology of limbic structures? Zimmer L, et al. **Life Sci** 1985 Mar 4;36(9):851–8

Reducing equivalents for mixed function oxidation in periportal and pericentral regions of the liver lobule in perfused livers from normal and phenobarbital-treated rats. Belinsky SA, et al. **Mol Pharmacol** 1984 Nov;26(3):574–81

Phenobarbital induces rat liver apolipoprotein A-I mRNA. Chao YS, et al. **Mol Pharmacol** 1985 Mar;27(3):394–8

A dual assay for the specific screening of 3-methylcholanthrene- and phenobarbital-like chemical inducers of cytochrome P-450 monooxygenases. Lesca P, et al. **Mutat Res** 1984 Dec;129(3):299–310

Mouse spot tests with dimethylbenz[a]anthracene with and without phenobarbital pretreatment. Shibuya T, et al. **Mutat Res** 1984 Oct;141(2):105–8

Effect of centrally acting drugs on ethanol detoxification enzymes in distinct rat brain regions. Messiha FS. **Neurobehav Toxicol Teratol** 1985 Mar–Apr;7(2):181–4

Decreased enkephalinase activity following postnatal treatment with phenobarbital. Mousa S, et al. **Neuropharmacology** 1985 Jan;24(1):9–11

Stereological analysis of smooth endoplasmic reticulum and peroxisome proliferation in hepatocytes from neonatal and adult mice after phenobarbital administration. Kanai K, et al. **Okajimas Folia Anat Jpn** 1984 Dec;61(5):327–35

Effects of phenytoin, phenobarbital, and valproic acid, alone and in selected combinations, on schedule-controlled behavior of rats. Picker M, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):389–93

The time course of [3H]PteGlu uptake and its incorporation into pteroylpolyglutamates in liver of phenobarbitone treated rats. Formiggini G, et al. **Pharmacol Res Commun** 1985 Feb;17(2):123–8

Effect of phenobarbital pretreatment on cardiac neural discharge and pentylenetetrazol-induced epileptogenic activity in the cat. Carnel SB, et al. **Pharmacology** 1985;30(4):225–40

Effects of phenobarbital and SKF-525A on in vitro hepatic metabolism of verapamil and nifedipine. Hamann SR, et al. **Pharmacology** 1985;30(3):121–8

Effect of various central nervous system-acting drugs on ethanol and acetaldehyde metabolism in rats. Hobara N, et al. **Pharmacology** 1985;30(6):333–8

Phenobarbital induction does not potentiate hepatotoxicity but accelerates liver cell necrosis from acetaminophen overdose in the rat. Poulsen HE, et al. **Pharmacology** 1985;30(2):100–8

Pulmonary cytochromes P-450 from rabbits treated with phenobarbital. Ueng TH, et al. **Pharmacology** 1985;31(1):40–9

The comparative potency of phenobarbital and five 1,3-propanediol dicarbamates for hepatic cytochrome P450 induction in rats. Segelman FH, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jun;48(3):467–70

A comparison of the effects of phenobarbital and medroxyprogesterone acetate on drug and glucose metabolism in rats with chemical liver injury. Stengård JH. **Res Commun Chem Pathol Pharmacol** 1984 Oct;46(1):67–76

Neonatal phenobarbital imprinting of hepatic microsomal enzymes in adult rats: modulation by neonatal testosterone presence. Bagley DM, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):227–35

Effects of 3-methylcholanthrene and phenobarbital on the capacity of embryos to bioactivate teratogens during organogenesis. Juchau MR, et al. **Toxicol Appl Pharmacol** 1985 Aug;80(1):137–46

Inducible aldehyde dehydrogenases from rat liver cytosol. Simpson VJ, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):193–203

Reduction of ochratoxin A toxicity in mice treated with phenylalanine and phenobarbital. Moroi K, et al. **Toxicol Lett** 1985 Apr;25(1):1–5

Effects of rifampicin and phenobarbital on the fate of isoniazid and hydrazine in vivo in rats. Noda A, et al. **Toxicol Lett** 1985 Jun;25(3):313–7

DNA breaks induced by micromolar concentrations of dimethylnitrosamine in liver primary cell cultures from untreated and phenobarbital treated rats. Mendoza-Figueroa T, et al. **Toxicology** 1983 May;27(1):55–69

Effects of SKF 525-A, phenobarbital and 3-methylcholanthrene on the toxicity of lobeline sulfate. Kim HL. **Vet Hum Toxicol** 1985 Feb;27(1):1–2

Purification and characterization of glutathione-S-transferase from liver cytosol of phenobarbital-treated rabbits. Gawai KR, et al. **Xenobiotica** 1984 Jul;14(7):605–7

Effect of promethazine and isosafrole on rat-hepatic microsomal mono-oxygenase activity: comparison with classic inducers phenobarbitone and beta-naphthoflavone. Taylor G, et al. **Xenobiotica** 1985 Mar;15(3):243–9

[Changes in plasma enzyme activities and proteins in patients with severe head injuries. Effect of 2 sedative drugs: Gardenal and Gamma OH] Pourtales MC, et al. **Agressologie** 1984 Jun;25(7):805–8 (Eng. Abstr.) **(Fre)**

[Changes in water-salt metabolism during chronic treatment with phenobarbital] Riva E, et al. **Minerva Pediatr** 1984 Aug 31;36(15–16):775–9 (Eng. Abstr.) **(Ita)**

[Effects of carbohydrate intake on phenobarbital-, polychlorinated biphenyl- and 3-methylcholanthrene-induced enhancement of drug oxidation and conjugation in rat liver] Nakajima T, et al. **Nippon Eiseigaku Zasshi** 1984 Oct;39(4):779–86 (Eng. Abstr.) **(Jpn)**

[Effects of alcohol and medication on bile acid metabolism] Hirayama C, et al. **Nippon Rinsho** 1984 Jul;42(7):1658–63 (30 ref.) **(Jpn)**

[Stability of aminophenazone and phenobarbital in anal suppositories prepared with cocoa oil] Nerlo H, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:79–84 (Eng. Abstr.) **(Pol)**

[Comparative study of zixoryn and phenobarbital as enzyme inducers of the liver mono-oxygenase system] Loginov AS, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):437–40 (Eng. Abstr.) **(Rus)**

[Immunomorphological study of cytochrome P-450PB induction in the liver of rat embryos and pregnant females after phenobarbital administration] Popova NV, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):366–8 (Eng. Abstr.) **(Rus)**

[Histochemical appearance of gamma-glutamyltranspeptidase in the rat liver after transplacental exposure to diethylnitrosamine and postnatal administration of phenobarbital] Vinarchuk MP, et al. **Eksp Onkol** 1984;6(5):30–3 (Eng. Abstr.) **(Rus)**

[Effect of phenobarbital, hexamidine and benzonal on the toxicity of dioxidine] Gus'kova TA, et al. **Farmakol Toksikol** 1984 Sep–Oct;47(5):90–3 (Eng. Abstr.) **(Rus)**

[Glycogen distribution in rat hepatocyte populations after a single exposure to 4-dimethylaminoazobenzine and subsequent injections of phenobarbital] Khodosova IA, et al. **Tsitologiia** 1984 Oct;26(10):1168–73 (Eng. Abstr.) **(Rus)**

[Activity of nuclear RNA polymerases in the liver of rats of different ages after phenobarbital administration] Kaliman PA, et al. **Ukr Biokhim Zh** 1984 Nov–Dec;56(6):619–24 (Eng. Abstr.) **(Rus)**

POISONING

Activated charcoal in phenobarbital overdose [letter] Goldberg MJ, et al. **JAMA** 1985 Feb 22;253(8):1120–1

An unusual case of fatal poisoning by phenobarbital overdosage. Yamamoto K, et al. **Nippon Hoigaku Zasshi** 1985 Feb;39(1):27–9

[Value of a charcoal column of our design for hemoperfusion in the treatment of experimental barbiturate poisoning] Bakuła S, et al. **Pol Tyg Lek** 1985 Feb 25;40(8):217–9 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Catecholamine response to chest physiotherapy and endotracheal suctioning in preterm infants. Greisen G, et al. **Acta Paediatr Scand** 1985 Jul;74(4):525–9

Recurrence of febrile convulsions and phenobarbital treatment. Lagenstein I, et al. **Acta Paediatr Scand** 1985 Mar;74(2):294–5

The effect of halothane, isoflurane, and blood loss on hepatotoxicity and hepatic oxygen availability in phenobarbital-pretreated hypoxic rats. Gelman S, et al. **Anesth Analg** 1984 Nov;63(11):965–72

Efficacy of phenobarbital in neonatal seizures. Van Orman CB, et al. **Can J Neurol Sci** 1985 May;12(2):95–9

Effect of preventive phenobarbital treatment on the duration of phototherapy in low birth weight icteric twins. Gouyon JB, et al. **Dev Pharmacol Ther** 1984;7 Suppl 1:190–3

Brain distribution of carbamazepine and phenobarbital given in combination in experimental epilepsy. Monaco F, et al. **Epilepsia** 1985 Jan–Feb;26(1):103–8

Efficacy of primidone in dogs with seizures unresponsive to phenobarbital. Farnbach GC. **J Am Vet Med Assoc** 1984 Oct 15;185(8):867–8

Combination of phenobarbital and haloperidol in resistant schizophrenia. Prakash R, et al. **J Clin Psychopharmacol** 1984 Dec;4(6):362–3

Anticonvulsant drugs alter plasma tryptophan concentrations in epileptic patients: implications for antiepileptic action and mental function. Pratt JA, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1131-3

Therapeutic efficacy of phenobarbital and primidone in canine epilepsy: a comparison. Schwartz-Porsche D, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):113-9

Brain protection by phenobarbitone in very low birthweight (VLBW) prematures—a controlled trial. Ruth V. **Klin Padiatr** 1985 Mar-Apr;197(2):170-1

Comparison of carbamazepine, phenobarbital, phenytoin, and primidone in partial and secondarily generalized tonic-clonic seizures. Mattson RH, et al. **N Engl J Med** 1985 Jul 18;313(3):145-51

The use of phenobarbital in treating abstinence in newborns exposed in utero to psychoactive agents. Finnegan LP, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:329

Pharmacologic protection against ischemic brain damage. Yatsu FM. **Neurol Clin** 1983 Feb;1(1):37-53

Phenobarbital and intraventricular hemorrhage [letter] Boynton BR, et al. **Pediatrics** 1985 Jan;75(1):130-1

Safety of a higher loading dose of phenobarbital in the term newborn. Donn SM, et al. **Pediatrics** 1985 Jun;75(6):1061-4

[Phenobarbital prevention of intraventricular hemorrhages in premature infants] Roloff DW. **Klin Padiatr** 1985 Mar-Apr;197(2):157 (Eng. Abstr.) **(Ger)**

[Effect of phenobarbital and SKF 525-A on the toxic and therapeutic action of adriamycin in mice with Ehrlich ascites cancer] Bogush TA, et al. **Eksp Onkol** 1985; 7(3):69-71 (Eng. Abstr.) **(Rus)**

[Protective effect of phenobarbital in dinitrophenol poisoning] Luk'ianchuk VD. **Farmakol Toksikol** 1984 Sep-Oct;47(5):100-3 **(Rus)**

[Pathochemical principles of therapy in hemolytic disease of the newborn] Kalinicheva VI, et al. **Pediatriia** 1984 Nov; (11):53-8 **(Rus)**

TOXICITY

Effect of phenobarbital on the activity of RNA polymerase II during diethylnitrosamine-induced hepatocarcinogenesis in the rat. Kikuchi H, et al. **Cancer Lett** 1985 Mar; 26(2):201-6

Di(2-ethylhexyl)phthalate but not phenobarbital promotes N-nitrosodiethylamine-initiated hepatocellular proliferative lesions after short-term exposure in male B6C3F1 mice. Ward JM, et al. **Cancer Lett** 1984 Aug; 24(1):49-55

Effects of the hepatocarcinogen nafenopin, a peroxisome proliferator, on the activities of rat liver glutathione-requiring enzymes and catalase in comparison to the action of phenobarbital. Furukawa K, et al. **Cancer Res** 1985 Oct;45(10):5011-9

Sex differential and dose dependence of phenobarbital-promoting activity in N-bis(2-hydroxypropyl)nitrosamine-initiated thyroid tumorigenesis in rats. Hiasa Y, et al. **Cancer Res** 1985 Sep; 45(9):4087-90

The quantitative analysis and stability of histochemical markers of altered hepatic foci in rat liver following initiation by diethylnitrosamine administration and promotion with phenobarbital. Goldsworthy TL, et al. **Carcinogenesis** 1985 Sep;6(9):1261-9

Dose-response studies on promoting and anticarcinogenic effects of phenobarbital and DDT in the rat hepatocarcinogenesis. Kitagawa T, et al. **Carcinogenesis** 1984 Dec;5(12):1653-6

Effect of subsequent treatment of chloroform or phenobarbital on the incidence of liver and lung tumors initiated by ethylnitrosourea in 15 day old mice. Pereira MA, et al. **Carcinogenesis** 1985 Feb;6(2):203-7

Effect of chronic phenobarbital administration on the gamma-glutamyl transpeptidase activity of hyperplastic liver lesions induced in rats by the Solt/Farber initiation: selection process of hepatocarcinogenesis. Sirica AE, et al. **Carcinogenesis** 1984 Dec;5(12):1737-40

Evidence for lack of promotion of the growth of the common naturally occurring basophilic focal hepatocellular proliferative lesions in aged F344/NCr rats by phenobarbital. Ward JM, et al. **Carcinogenesis** 1985 Sep; 6(9):1255-9

Different responses to phenobarbital promotion in the development of gamma-glutamyltranspeptidase-positive foci in the liver of rats initiated with diethylnitrosamine, N-hydroxy-2-acetyl-aminofluorene and aflatoxin B1. Shirai T, et al. **Gann** 1985 Jan;76(1):16-9

Promoting effect of phenobarbital on N-bis (2-hydroxypropyl)nitrosamine thyroid tumorigenesis in rats. Effect of varying duration of exposure to phenobarbital. Hiasa Y, et al. **IARC Sci Publ** 1984; (56):77-82

Aberrant expression of adaptation to phenobarbital may cause selective growth of foci of altered cells in rat liver. Schulte-Hermann R, et al. **IARC Sci Publ** 1984;(56):67-75

Comparative tumor-promoting activities of phenobarbital, amobarbital, barbital sodium, and barbituric acid on livers and other organs of male F344/NCr rats following initiation with N-nitrosodiethylamine. Diwan BA, et al. **JNCI** 1985 Feb;74(2):509-16

Mutagenicity of antiepileptic drugs. II. Phenytoin, primidone and phenobarbital. Riedel L, et al. **Mutat Res** 1984 Oct; 138(1):71-4

Maternal barbiturate administration and offspring response to shock. Martin JC, et al. **Psychopharmacology (Berlin)** 1985;85(2):214-20

Sustained induction of hepatic xenobiotic metabolising enzyme activities by phenobarbitone in C3H/He mice: relevance to nodule formation. Collins MA, et al. **Toxicology** 1984 Nov;33(2):129-44

[Establishment of test methods for examining promoters of hepatocarcinogenesis--promoting effects of phenobarbital, butylated hydroxytoluene and barbital] Furukawa F, et al. **Eisei Shikenjo Hokoku** 1984;(102):71-6 (Eng. Abstr.) **(Jpn)**

URINE

Determination of phenobarbital, p-hydroxyphenobarbital and phenobarbital-N-glucoside in urine by gas chromatography chemical ionization mass spectrometry. Tang BK, et al. **Biomed Mass Spectrom** 1984 Sep; 11(9):462-5

PHENOBARBITONE see **PHENOBARBITAL**

PHENOLPHTHALEINS

Kinetic study of beta-cyclodextrin-dye system by high-pressure temperature-jump method. Nakatani H, et al. **J Biochem (Tokyo)** 1984 Jul;96(1):69-72

ANALYSIS

Determination of chlorine dioxide in potable waters using chlorophenol red. Fletcher IJ, et al. **Analyst** 1985 Jun; 110(6):695-9

On the spectrophotometric analysis of phenolphthalein. el-Sayed L, et al. **Farmaco [Prat]** 1985 Aug;40(8):273-82

DIAGNOSTIC USE

Phenolsulfonphthalein test in healthy sheep and in sheep with reductions in functional renal mass. Filippich LJ, et al. **Am J Vet Res** 1985 Mar;46(3):733-8

An assessment of gastric ulcers in vivo: enhancement of urinary recovery after oral administration of phenolsulfonphthalein in rats. Nakamura J, et al. **J Pharmacobiodyn** 1984 Jul;7(7):485-91

METABOLISM

Renal secretion of phenolsulfonphthalein: analysis of its vectorial transport in normal and mutant analbuminemic rats. Inoue M, et al. **J Lab Clin Med** 1985 Apr;105(4):484-8

The disaccharide effect of sucrose feeding on glucuronide excretion and bile concentration of injected phenolphthalein in guinea pigs. Ahrens RA, et al. **J Nutr** 1985 Feb;115(2):288-91

PHARMACODYNAMICS

The production of arachidonate lipoxygenase products by rat intestine is increased by phenolphthalein. Capasso F, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):419-22

PHENOLS

Thiourea: the antioxidant of choice for the purification of proteins from phenol-rich plant tissues. Van Driessche E, et al. **Anal Biochem** 1984 Aug 15;141(1):184-8

Phenol nerve blocks [letter] Ackerman WE. **Arch Phys Med Rehabil** 1985 May;66(5):337

Spastic hemiplegia in a quadriplegic patient: treatment with phenol nerve block. Wainapel SF, et al. **Arch Phys Med Rehabil** 1984 Dec;65(12):786-7

Comparison of propofol in emulsion with Althesin for induction of anaesthesia [letter] Cummings GC, et al. **Br J Anaesth** 1985 Feb;57(2):234

Lumbar sympathectomy: a single needle technique. Hatangdi VS, et al. **Br J Anaesth** 1985 Mar;57(3):285-9

Use of an emulsion of ICI 35868 (propofol) for the induction and maintenance of anaesthesia. Kay NH, et al. **Br J Anaesth** 1985 Aug;57(8):736-42

Comparison of the new emulsion formulation of propofol with methohexitone and thiopentone for induction of anaesthesia in day cases. Mackenzie N, et al. **Br J Anaesth** 1985 Aug;57(8):725-31

Comparison of ICI 35868, etomidate and methohexitone for day-case anaesthesia. Wells JK. **Br J Anaesth** 1985 Aug; 57(8):732-5

Phenols as enhancers of the chemiluminescent horseradish peroxidase-luminol-hydrogen peroxide reaction: application in luminescence-monitored enzyme immunoassays. Thorpe GH, et al. **Clin Chem** 1985 Aug; 31(8):1335-41

Interaction of lysozyme with dyes. II. Binding of bromophenol blue. Subramanian M, et al. **J Biochem (Tokyo)** 1984 Jul;96(1):245-52

ADMINISTRATION & DOSAGE

Dose requirements of ICI 35,868 (propofol, 'Diprivan') in a new formulation for induction of anaesthesia. Cummings GC, et al. **Anaesthesia** 1984 Dec;39(12):1168-71

Effect of speed of injection on induction of anaesthesia using propofol. Rolly G, et al. **Br J Anaesth** 1985 Aug;57(8):743-6

[The technic of phenolization of fistulae in pilonidal cysts] Knobloch J. **Rozhl Chir** 1985 May;64(5):368-9 (Eng. Abstr.) **(Cze)**

[Chemical neurolysis in advanced neoplasms] Kuś M, et al. **Pol Tyg Lek** 1985 Feb 11;40(6):175-7 (32 ref.) **(Pol)**

ADVERSE EFFECTS

Effect of lignocaine on pain caused by propofol injection [letter] Brooker J, et al. **Anaesthesia** 1985 Jan;40(1):91-2

Cardiac dysrhythmias associated with chemical peeling with phenol. Warner MA, et al. **Anesthesiology** 1985 Mar; 62(3):366-7

Contact allergy to phenol-formaldehyde resins. Bruze M, et al. **Contact Dermatitis** 1985 Feb;12(2):81-6

Contact dermatitis due to bisphenol A in semi-synthetic waxes. Freeman K, et al. **Contact Dermatitis** 1984 Oct; 11(4):259-60

Phenolformaldehyde resin in paper. Malten KE, et al. **Contact Dermatitis** 1984 Aug;11(2):127-8

Electrocardiographic effects of probucol. A controlled prospective clinical trial. Dujovne CA, et al. **Eur J Clin Pharmacol** 1984;26(6):735-9

Use of Cortisporin Otic Solution in phenol nail surgery. Anton-Athens V, et al. **J Am Podiatr Med Assoc** 1985 Jan; 75(1):31-3

ANALYSIS

Brominated phenols and anisoles in river and marine sediments in Japan. Watanabe I, et al. **Bull Environ Contam Toxicol** 1985 Aug;35(2):272-8

Brominated phenol production from the chlorination of wastewater containing bromide ions. Watanabe I, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):395-9

O-Methylation effect on the carbon-13 nuclear magnetic resonance signals of ortho-disubstituted phenols and its application to structure determination of new phthalides from Aspergillus silvaticus. Fujita M, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2622-7

Determination of phenolic preservatives in cosmetic products using reversed-phase high-performance liquid chromatography. Gagliardi L, et al. **Farmaco [Prat]** 1985 May;40(5):165-72

Chemical derivatization analysis of pesticide residues. IX. Analysis of phenol and 21 chlorinated phenols in natural waters by formation of pentafluorobenzyl ether derivatives. Lee HB, et al. **J Assoc Off Anal Chem** 1984 Nov-Dec; 67(6):1086-91

Liquid chromatographic determination of phenol and cresols in total particulate matter of cigarette smoke. Tomkins BA, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):919-23

Identification of phenols of 7,12-dimethylbenz[a]anthracene by conversion into their methyl ethers. Morreal CE, et al. **J Chromatogr** 1985 Feb 1;319(2):153-8

Gas chromatographic analysis of endogenous catecholamines, phenolic amines and derived isoquinolines using short glass capillary columns and electron-capture detection. Origitano TC, et al. **J Chromatogr** 1984 Nov 9;311(1):17-29

Application of orthogonal functions to spectrophotometric analysis of the preservatives benzylalcohol, phenol and parabens in aqueous cyanocobalamin solutions. Girgis EH, et al. **J Pharm Pharmacol** 1984 Dec;36(12):840-2

Constituents of Agaricus xanthodermus Genevier: the first naturally endogenous azo compound and toxic phenolic metabolites. Gill M, et al. **Z Naturforsch [C]** 1984 Nov-Dec; 39(11-12):1027-9

[Occurrence of phenolic compounds in the dust of swine stalls and henhouses] Hartung J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1984 Oct; 179(5):431-9 (Eng. Abstr.) **(Ger)**

[Analysis of para-tert-butylphenol, phenol and diphenylpropane] Khusnutdinova RG, et al. **Gig Sanit** 1985 Jan;(1):64-5 **(Rus)**

BLOOD

In vitro studies on the distribution of probucol among human plasma lipoproteins. Urien S, et al. **Mol Pharmacol** 1984 Sep;26(2):322-7

[Determination of free serum phenol by gas-liquid chromatography in hemosorption] Kochetova MM, et al. **Vopr Med Khim** 1985 Jan-Feb;31(1):72-4 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Studies on the synthesis and anti-inflammatory activity of 2,6-di-tert-butylphenols with a heterocyclic group at the 4-position. V. Elimination reaction of the sulfinyl group of 2,3-dihydroimidazo[2,1-b]thiazole 1-oxide. Isomura Y, et al. **Chem Pharm Bull (Tokyo)** 1984 Dec;32(12):4726-30

Synthesis and antiarrhythmic and parasympatholytic properties of substituted phenols. 3. Modifications to the linkage region (region 3). Stout DM, et al. **J Med Chem** 1985 Mar;28(3):295-8

[Synthesis of analogs of agrimophol] Yao RH, et al. **Yao Hsueh Hsueh Pao** 1984 Mar;19(3):228-31 (Eng. Abstr.) **(Chi)**

[Studies on the synthesis of anti-inflammatory activity of 2,6-di-tert-butylphenols with a heterocyclic group at the 4-position. IV. Photo-induced and base-catalyzed oxygenation of 4-(3,5-di-tert-butyl-4-hydroxyphenyl)-2-oxo-4-imidazoli Isomura Y, et al. **Yakugaku Zasshi** 1984 Aug;104(8):909-14 (Eng. Abstr.) **(Jpn)**

METABOLISM

Nutritional consequences of the reactions between proteins and oxidized polyphenolic acids. Hurrell RF, et al.

NEWARK PUBLIC LIBRARY

Adv Exp Med Biol 1984;177:423-35

Incorporation of phenol carbon at trace concentrations by phenol-mineralizing microorganisms in fresh water. Chesney RH, et al. **Appl Environ Microbiol** 1985 Jan; 49(1):15-8

Biodegradation of [14C]phenol in secondary sewage and landfill leachate measured by double-vial radiorespirometry. Deeley GM, et al. **Appl Environ Microbiol** 1985 Apr;49(4):867-9

Growth of phenol-mineralizing microorganisms in fresh water. Rubin HE, et al. **Appl Environ Microbiol** 1985 Jan; 49(1):11-4

Hydroxy-3-(hydroxyphenyl)indoles. Relationship between structure and estrogen receptor affinity. Strohmeier J, et al. **Arch Pharm (Weinheim)** 1985 May;318(5):421-31

Stereochemistry of 1-(4'-hydroxyphenyl)ethanol produced by hydroxylation of 4-ethylphenol by p-cresol methylhydroxylase. McIntire W, et al. **Biochem J** 1984 Dec 1;224(2):617-21

Heterogeneity of hepatic microsomal UDP-glucuronosyltransferase activities. Conjugations of phenolic and monoterpenoid aglycones in control and induced rats and guinea pigs. Boutin JA, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2235-49

Sulfation of peptides and simple phenols by rat brain phenolsulfotransferase. Inhibition by dichloronitrophenol. Giorgi O, et al. **Biochem Pharmacol** 1985 Jan 1;34(1):45-9

Hepatic microsomal oxidation of styrene to 4-hydroxystyrene 7,8-glycol via 4-hydroxystyrene and its 7,8-oxide as short-lived intermediates. Watabe T, et al. **Biochem Pharmacol** 1984 Oct 1;33(19):3101-3

Antibody inhibition of ferripyochelin binding to Pseudomonas aeruginosa cell envelopes. Sokol PA, et al. **Biochemistry** 1984 Oct 9;23(21):5076-80

Ligand binding and stabilization of malate- and lactate dehydrogenase. Hönes J. **Biol Chem Hoppe Seyler** 1985 Jun;366(6):561-6

In vivo capacity of hepatic and extrahepatic enzymes to conjugate phenol. Cassidy MK, et al. **Drug Metab Dispos** 1984 Sep-Oct;12(5):619-24

Formation of nontoxic reactive metabolites of p-bromophenol. Identification of a new glutathione conjugate. Monks TJ, et al. **Drug Metab Dispos** 1984 Jul-Aug;12(4):432-7

Metabolic changes in elicitor-treated bean cells. Enzymic responses associated with rapid changes in cell wall components. Bolwell GP, et al. **Eur J Biochem** 1985 May 2;148(3):571-8

Lipid-phenolic radical adducts as a plausible mechanism of 'plant ageing' pigment formation. Merzlyak MN, et al. **Gen Physiol Biophys** 1984 Dec;3(6):497-505

Characterization of a nitrilase from Nocardia sp. (Rhodochrous group) N.C.I.B. 11215, using p-hydroxybenzonitrile as sole carbon source. Harper DB. **Int J Biochem** 1985;17(6):677-83

Uptake of phenol by Trichosporon cutaneum. Mörtberg M, et al. **J Bacteriol** 1985 Feb;161(2):615-9

Degradation of phenolic compounds by the yeast Candida tropicalis HP 15. I. Physiology of growth and substrate utilization. Krug M, et al. **J Basic Microbiol** 1985; 25(2):103-10

Factors influencing conjugation of phenolic compounds with the epsilon-amino group. Takeuchi Y. **J Dermatol (Tokyo)** 1985 Apr;12(2):153-60

An introduction to phenol formaldehyde resin vulcanizing agents. Preston WA, et al. **J Parenter Sci Technol** 1984 Nov-Dec;38(6):237-45

First pass conjugation of phenol following rectal administration in rats. Cassidy MK, et al. **J Pharm Pharmacol** 1984 Aug;36(8):550-2

The effect of different oils on the absorption of probucol in the rat. Palin KJ, et al. **J Pharm Pharmacol** 1984 Sep; 36(9):641-3

Pharmacokinetics of probucol in male rats. Heeg JF, et al. **J Pharm Sci** 1984 Dec;73(12):1758-63

Mechanism of microsomal metabolism of benzene to phenol. Hinson JA, et al. **Mol Pharmacol** 1985 May;27(5):574-7

Effect of ascorbate on covalent binding of benzene and phenol metabolites to isolated tissue preparations. Smart RC, et al. **Toxicol Appl Pharmacol** 1985 Feb;77(2):334-43

Hydroxylation and conjugation of phenol by the frog Rana temporaria. Beyer J, et al. **Xenobiotica** 1985 Apr; 15(4):277-80

[Biochemical characterization of Bacillus benzoevorans sp. nov., a new filamentous, sheathed mesophilic species, degrading various aromatic acids and phenols] Pichinoty F, et al. **Ann Microbiol (Paris)** 1984 Sep-Oct; 135B(2):209-17 (Eng. Abstr.) **(Fre)**

[Morphology and cytology of Bacillus benzoevorans, a new filamentous, sheathed mesophilic species, degrading various aromatic acids and phenols] Pichinoty F, et al. **Ann Microbiol (Paris)** 1984 Sep-Oct;135B(2):199-207 (Eng. Abstr.) **(Fre)**

[Siderophores—the carriers of the iron ion] Chimiak A. **Postepy Biochem** 1984;30(3-4):435-60 (129 ref.) **(Pol)**

[Behavior of polyphenoloxidases in food] Galeazzi MA. **Arch Latinoam Nutr** 1984 Jun;34(2):269-89 (Eng. Abstr.) **(Por)**

PHARMACODYNAMICS

Facilitation of transmission at the crayfish neuromuscular synapse by a convulsant phenol. Kaila K, et al. **Acta Physiol Scand** 1984 Dec;122(4):599-605

Naturally occurring phenolics as antimutagenic and anticarcinogenic agents. Stich HF, et al. **Adv Exp Med Biol** 1984;177:1-29 (115 ref.)

The cardiorespiratory effects of ICI 35 868 in patients with valvular heart disease. Aun C, et al. **Anaesthesia** 1984 Nov; 39(11):1096-100

The haemodynamic effects of intravenous induction. Comparison of the effects of thiopentone and propofol. Grounds RM, et al. **Anaesthesia** 1985 Aug;40(8):735-40

In vitro inhibition of Giardia lamblia and Trichomonas vaginalis growth by bithionol, dichlorophene, and hexachlorophene. Takeuchi T, et al. **Antimicrob Agents Chemother** 1985 Jan;27(1):65-70

Effects of probucol on the in vivo plasma clearance of human low density lipoproteins in rabbits and on the expression of lipoprotein receptors in vitro. Trezzi E, et al. **Atherosclerosis** 1984 Sep;52(3):309-16

Mode of action of butylated hydroxyanisole (BHA) and other phenols in preventing loss of 11 beta-hydroxylase activity in cultured bovine adrenocortical cells. Hornsby PJ, et al. **Biochem Pharmacol** 1985 Mar 15;34(6):865-72

Mechanism-based inhibitors of dopamine beta-hydroxylase: inhibition by 2-bromo-3-(p-hydroxyphenyl)-1-propene. Colombo G, et al. **Biochemistry** 1984 Jul 31;23(16):3590-8

Comparison of the effects of etomidate, thiopentone and propofol on cortisol synthesis. Kenyon CJ, et al. **Br J Anaesth** 1985 May;57(5):509-11

Effect of propofol, thiopentone and etomidate on adrenal steroidogenesis in vitro. Lambert A, et al. **Br J Anaesth** 1985 May;57(5):505-8

Pharmacology of an emulsion formulation of ICI 35868 [letter] Ruys AH, et al. **Br J Anaesth** 1985 Aug;57(8):835-6

The influence of the polyphenols of cider on plasmin and plasminogen activators. Ogston D, et al. **Br J Haematol** 1985 Aug;60(4):705-13

Evaluation of topical phenol as a means of producing autonomic denervation of the liver. Lautt WW, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):849-53

Inhibition of adenosine 3',5'-cyclic monophosphate phosphodiesterase by phenolic constituents of mulberry tree. Nikaido T, et al. **Chem Pharm Bull (Tokyo)** 1984 Dec; 32(12):4929-34

Photochemical nitrosation of phenol in aqueous nitrite solution. Suzuki J, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2803-8

Phenol topically applied to canine left ventricular epicardium interrupts sympathetic but not vagal afferents. Barber MJ, et al. **Circ Res** 1984 Oct;55(4):532-44

Effect of phenolic antioxidants on microbial growth. Fung DY, et al. **CRC Crit Rev Microbiol** 1985;12(2):153-83 (74 ref.)

Inhibition by plant phenols of benzo[a]pyrene-induced nuclear aberrations in mammalian intestinal cells: a rapid in vivo assessment method. Wargovich MJ, et al. **Food Chem Toxicol** 1985 Jan;23(1):47-9

Dietary phenolics and betel nut extracts as modifiers of N-nitrosation in rat and man. Stich HF, et al. **IARC Sci Publ** 1984;(57):213-22

Comparison of phenol coefficient test and Kelsey Sykes' test using phenolic disinfectants. Choudhry M, et al. **Indian J Pathol Microbiol** 1984 Jul;27(3):189-97

Influence of probucol on cholesterol and lipoprotein metabolism in man. Kesäniemi YA, et al. **J Lipid Res** 1984 Aug;25(8):780-90

A novel mechanism by which probucol lowers low density lipoprotein levels demonstrated in the LDL receptor-deficient rabbit. Naruszewicz M, et al. **J Lipid Res** 1984 Nov;25(11):1206-13

Differential release of estradiol from immobilized estrogen receptors by p-sec-amylphenol: evidence for a functional microheterogeneity of estrogen receptors. Mueller GC, et al. **J Recept Res** 1984;4(7):773-85

Inhibition of prostaglandin I2 biosynthesis in rat dental pulp by phenolic dental medicaments. Hirafuji M. **Jpn J Pharmacol** 1984 Dec;36(4):544-6

Enhancement of phenol-induced tremor caused by central monoamine depletion. Suzuki T, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):153-5

Inhibition of the erythrocyte calcium-sensitive potassium channel by probucol. Howland JL, et al. **Pharmacol Res Commun** 1984 Nov;16(11):1057-64

Biological activity of phenolic compounds. Hepatic cytochrome P-450, cytochrome b5, and NADPH cytochrome c reductase in chicks and rats fed phenolic monomers, polymers, and glycosides. Klasing SA, et al. **Proc Soc Exp Biol Med** 1985 Sep;179(4):529-38

Reduction in hepatic lipid and plasma estradiol in estrogenized chicks injected with ascorbic acid. Takahashi K, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):200-3

Enhanced prostacyclin generation by phenolic compounds acting as a tryptophan-like cofactor of PG hydroperoxidase. Harada Y, et al. **Prostaglandins** 1984 Sep; 28(3):367-81

[Elimination of quinones from aqueous environments by phenols and the effect of their mixtures on the luminescence of Beneckea harveyi bacteria] Gil' TA, et al. **Biol Nauki** 1985;(1):58-62 (Eng. Abstr.) **(Rus)**

[Comparative study of the antimutagenic activity of sterically hindered phenols] Pashin IuV, et al. **Dokl Akad Nauk SSSR** 1985;280(6):1441-4 **(Rus)**

[Kinetics of benzo[a]pyrene penetration into the mouse skin after treatment with various phenols] Shevchuk IN, et al. **Eksp Onkol** 1984;6(1):22-4 (Eng. Abstr.) **(Rus)**

[Effect of phenol in PPD solutions on the results of cellular immunity tests] López-Santiago R, et al. **Rev Latinoam Microbiol** 1984 Jan-Mar;26(1):53-60 (Eng. Abstr.) **(Spa)**

POISONING

Illness associated with contamination of drinking water supplies with phenol. Jarvis SN, et al. **Br Med J [Clin Res]** 1985 Jun 15;290(6484):1800-2

[The most common diseases caused by the adverse effect of phenols and chlorophenols] Taraszkiewicz F, et al. **Pol Tyg Lek** 1984 Jul 30;39(31):1053-6 (26 ref.) **(Pol)**

THERAPEUTIC USE

Sterilization methods in China [letter] Bullough VL, et al. **Am J Public Health** 1985 Jun;75(6):689

Double-blind, placebo-controlled, cross-over trial of probucol in heterozygous familial hypercholesterolaemia. Durrington PN, et al. **Atherosclerosis** 1985 May; 55(2):187-94

A comparison of cholestyramine and probucol in the treatment of familial hypercholesterolaemia. Jones DB, et al. **Atherosclerosis** 1984 Oct;53(1):1-7

Sterol synthesis in vitro in freshly isolated blood mononuclear leukocytes from familial hypercholesterolemic patients treated with probucol. McNamara DJ, et al. **Biochim Biophys Acta** 1985 Mar 6;833(3):412-6

Out-patient treatment of haemorrhoids: a randomized clinical trial to compare rubber band ligation with phenol injection. Gartell PC, et al. **Br J Surg** 1985 Jun;72(6):478-9

Results of transvesical infiltration of the pelvic plexuses with phenol in 116 patients. Blackford HN, et al. **Br J Urol** 1984 Dec;56(6):647-9

New possibilities of improving the function of the hand of patients with spastic hemiplegia. Kiwerski J. **Int J Rehabil Res** 1984;7(3):293-8

Intrathecal phenol and glycerin in metrizamide for treatment of intractable spasms in paraplegia. Case report. Scott BA, et al. **J Neurosurg** 1985 Jul;63(1):125-7

Phenol for posttraumatic spasticity [letter] Wilkinson HA. **Neurosurgery** 1985 Apr;16(4):583

Long-term histologic follow-up of phenol face peels. Kligman AM, et al. **Plast Reconstr Surg** 1985 May; 75(5):652-9

[Follow-up of 23 cases of paragonimiasis treated with bithionol] Liao LG. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1984;2(3):184 **(Chi)**

[Clinical analysis of 119 cases of paragonimiasis szchuanensis] Wang WG, et al. **Chi Sheng Chung Hsueh Yu Chi Sheng Chung Ping Tsa Chih** 1985;3(1):5-8 (Eng. Abstr.) **(Chi)**

[Comparative histologic studies following esophageal varices sclerosing with different substances] Helpap B, et al. **Leber Magen Darm** 1983 Sep;13(5):215-22 (Eng. Abstr.) **(Ger)**

[Our experience with epidural chemical neurolysis in the treatment of chronic pain syndromes] Dobrogowski J, et al. **Pol Tyg Lek** 1985 Feb 11;40(6):165-6 (Eng. Abstr.) **(Pol)**

[Serum cholesterol and triglyceride levels in patients with type II hyperlipoproteinemia treated with probucol] Markiewicz M, et al. **Wiad Lek** 1984 Oct 1;37(19):1489-93 (Eng. Abstr.) **(Pol)**

[Effectiveness of mebendazole and bithionol in opisthorchiasis] Bronshtein AM, et al. **Med Parazitol (Mosk)** 1985 Mar-Apr;(2):86-8 (Eng. Abstr.) **(Rus)**

TOXICITY

Interaction between bacterial metabolites and some pesticides. II. Change of phytotoxicity of the herbicide Roneet by the phenolic metabolites of Arthrobacter sp. Kosinkiewicz B, et al. **Acta Microbiol Pol** 1984;33(2):111-7

Interaction between bacterial metabolites and some pesticides. I. Interaction between the phenolic compounds produced by Pseudomonas acidovorans and the herbicide Venzar. Kosinkiewicz B. **Acta Microbiol Pol** 1984; 33(2):103-10

Chemistry and safety of plant polyphenols. Deshpande SS, et al. **Adv Exp Med Biol** 1984;177:457-95 (176 ref.)

A microbial assay for determining the influence of physicochemical environmental factors on the toxicity of organics: phenol. Babich H, et al. **Arch Environ Contam Toxicol** 1985 Jul;14(4):409-15

Effects of ethanol, phenol, formaldehyde, and selected metabolites on metabolic cooperation between Chinese hamster V79 lung fibroblasts. Malcolm AR, et al. **Carcinog Compr Surv** 1985;8:305-18

Teratological assessment of the oxidative dye 4-methyl-N-ethylamino phenol sulfate. Picciano JC, et al. **Drug Chem Toxicol** 1984;7(4):397-405

The role of 4-bromophenol and 4-bromocatechol in bromobenzene covalent binding and toxicity in isolated rat hepatocytes. Dankovic DA, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):323-31

Predictive correlations for the toxicity of alkyl- and halogen-substituted phenols. Schultz TW, et al. **Toxicol Lett** 1985 Apr;25(1):47-54

PHENOLSULFONPHTHALEIN see under **PHENOLPHTHALEINS**

PHENOPERIDINE

[The flunitrazepam-phenoperidine combination in neuroradiology without intubation] Soret J. **Cah Anesthesiol** 1984 Dec;32(8 Suppl):41-5 **(Fre)**

BLOOD

Pharmacokinetics of phenoperidine in anaesthetized patients undergoing general surgery. Fischler M, et al. **Br J Anaesth** 1985 Sep;57(9):872-6

Pharmacokinetics of phenoperidine in patients undergoing cardiopulmonary bypass. Fischler M, et al. **Br J Anaesth** 1985 Sep;57(9):877-82

PHARMACODYNAMICS

Intracranial pressure after phenoperidine [letter] Barker J. **Anaesthesia** 1984 Nov;39(11):1150

PHENOPROMIN see **AMPHETAMINE**

PHENOTHIAZINE TRANQUILIZERS

ADMINISTRATION & DOSAGE

[Parenteral form of pipothiazine in the treatment of endogenous psychoses] Matkowski K, et al. **Psychiatr Pol** 1984 Nov-Dec;18(6):567-70 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Ocular change and phenothiazine therapy [letter] Cummings P, et al. **Am Fam Physician** 1985 May;31(5):23

Case report of phenothiazine-induced torsade de pointes. Wilson WH, et al. **Am J Psychiatry** 1984 Oct; 141(10):1265-6

The mechanism of neuroleptic withdrawal. Eppel AB, et al. **Can J Psychiatry** 1984 Oct;29(6):508-9

Pipotiazine palmitate, a long acting drug, indeed: a case report. Hyrman V. **Can J Psychiatry** 1985 Apr;30(3):221-2

Agranulocytosis in the course of phenothiazine therapy: case reports. Yassa R. **J Clin Psychiatry** 1985 Aug;46(8):341-3

A case of perazine-induced enteritis--allergy or pseudoallergy? Meya U, et al. **Pharmacopsychiatry** 1985 Jul;18(4):263-6

[Perazine-induced agranulocytosis--case report and discussion] Hörner W, et al. **Psychiatr Prax** 1985 Jan; 12(1):23-4 (Eng. Abstr.) **(Ger)**

[Clinico-humoral manifestations secondary to treatment with injectable Tisercin] Gheorghe M, et al. **Rev Med Interna [Neurol Psihiatr]** 1985 Jan-Mar;30(1):71-2 **(Rum)**

ANALYSIS

Radioimmunoassay of tricyclic antidepressant and some phenothiazine drugs in forensic toxicology. Robinson K, et al. **J Immunoassay** 1985;6(1-2):11-22

METABOLISM

[Initial results of a pharmacokinetic study of pipothiazine and its palmitic ester (Piportil L4) in a schizophrenic population] Girard M, et al. **Encephale** 1984;10(4):171-6 (Eng. Abstr.) **(Fre)**

[The affinity of aromatic fluoride derivatives of phenothiazine neuroleptics to spiroperidol binding sites of dopamine receptors by the radioligand technic in vitro] Oelssner W Jr, et al. **Pharmazie** 1985 May;40(5):341-2 (Eng. Abstr.) **(Ger)**

[Biotransformation of Chlorphenethazin (Elroquil, Marophen)] Pfeifer S, et al. **Pharmazie** 1985 Jan;40(1):37-9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Relationship between growth inhibition and mitochondrial function in petite-negative yeasts. II. Effects of central nervous system drugs upon pathogenic and non-pathogenic Candida species. Marmiroli N, et al. **Biol Cell** 1985; 53(1):75-9

Behavioral indications for phenothiazine and benzodiazepine tranquilizers in dogs. Hart BL. **J Am Vet Med Assoc** 1985 Jun 1;186(11):1192-4

[Ecto-ATPases in leukocytes and its modification by drugs] Hehl EM, et al. **Allerg Immunol (Leipz)** 1985;31(1):17-23 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Effects of phenothiazine treatment on the physical properties of platelet membranes from psychiatric patients. Zubenko GS, et al. **Biol Psychiatry** 1985 Apr;20(4):384-96

Pipothiazine palmitate in the management of aggressive mentally handicapped patients. Lynch DM, et al. **Br J Psychiatry** 1985 May;146:525-9

Lipids and apolipoproteins in patients treated with major tranquilizers. Sasaki J, et al. **Clin Pharmacol Ther** 1985 Jun; 37(6):684-7

Ten-year follow-up of schizophrenic patients on pipothiazine palmitate. Imlah NW, et al. **Curr Med Res Opin** 1985; 9(7):449-53

PHENOTHIAZINES

A rapid staining procedure for Anaplasma marginale in bovine erythrocytes. Donovan-Myhand J, et al. **Am J Vet Res** 1984 Oct;45(10):2143-4

Stability of azure B-eosin Y staining solutions. Bins M, et al. **Br J Haematol** 1985 Jan;59(1):73-8

The involvement of nucleosomes in Giemsa staining of chromosomes. A new hypothesis on the banding mechanism. van Duijn P, et al. **Histochemistry** 1985; 82(4):363-76

A versatile and simple method for staining nervous tissue using Giemsa dye. Iñiguez C, et al. **J Neurosci Methods** 1985 Mar;13(1):77-86

Interaction of quaternary phenothiazine salts with calmodulin. Prozialeck WC. **J Pharmacol Exp Ther** 1984 Dec;231(3):473-9

Application of Azure C for the extractive spectrophotometric determination of microgram amounts of penicillin. Gowda AT, et al. **J Pharmacol Methods** 1985 Jun;13(3):275-80

[Romanowsky dyes and the Romanowsky-Giemsa effect. 3. Microspectrophotometric studies of Romanowsky-Giemsa staining. Spectroscopic evidence of a DNA-azure B-eosin Y complex producing the Romanowsky-Giemsa effect] Zipfel E, et al. **Histochemistry** 1984;81(4):337-51 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Phenothiazine-induced sleep apneas in normal infants. Kahn A, et al. **Pediatrics** 1985 May;75(5):844-7

ANALYSIS

Phenothiazine drug poly(vinyl chloride) matrix membrane electrodes and their use in pharmaceutical analysis. Coşofreţ VV, et al. **Analyst** 1984 Oct;109(10):1321-5

Unusual electrochemical behaviour of a new phenothiazine. Kauffmann JM, et al. **Analyst** 1985 Apr;110(4):349-51

Rapid microchemical identification of four phenothiazine antiemetics with gold bromide and iodine-potassium iodide reagents: collaborative study. Rabkin M. **J Assoc Off Anal Chem** 1985 May-Jun;68(3):527-9

Determination of mequitazin in human plasma and urine by capillary column gas-liquid chromatography-mass spectrometry. Fourtillan JB, et al. **J Chromatogr** 1984 Aug 10;309(2):391-6

Diazotized sulfanilic acid as a novel reagent for the detection of phenothiazine, phenothiazine-like drugs and their decomposition products in pharmaceuticals. Hackmann ER, et al. **Pharmazie** 1984 Oct;39(10):718

[Oxidation of phenothiazine and its N-methyl derivative by the combination of iodobenzene and vanadium acetylacetonate] Pautet F, et al. **Pharmazie** 1985 Mar; 40(3):202-3 **(Fre)**

BLOOD

[Comparison of the results of ethacizin pharmacodynamics and pharmacokinetics in a single intravenous administration] Shugushev KhKh, et al. **Kardiologiia** 1985 Apr;25(4):32-5 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[Synthesis and pharmacologic activity of dialkylaminoalkyl derivatives of triazolo-2,3-diazaphenothiazine] Santagati NA, et al. **Boll Chim Farm** 1984 Apr;123(4):175-82 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

'Unusual SCD' explained by differences in BrdU incorporation during subsequent cell cycles. Speit G. **Cancer Genet Cytogenet** 1985 Feb 1;15(1-2):85-8

Reverse differential staining of sister chromatids induced by Hoechst plus black light and endonuclease. Jan KY, et al. **Exp Cell Res** 1985 Apr;157(2):307-14

On the mechanism of differential Giemsa staining of bromodeoxyuridine-substituted chromosomes. II. Differences between the demonstration of sister chromatid differentiation and replication patterns. Speit G, et al. **Hum Genet** 1985;70(2):126-9

Leishmania tropica: quantitation of in vitro activity of antileishmanial agents by Giemsa staining, viability, and 3H-formycin B incorporation. Berman JD. **J Parasitol** 1984 Aug;70(4):561-2

METABOLISM

Cimetidine inhibition of ethmozine metabolism. Biollaz J, et al. **Clin Pharmacol Ther** 1985 Jun;37(6):665-8

Pharmacokinetics of dixyrazine: low bioavailability, improved by food intake. Liedholm H, et al. **Drug Nutr Interact** 1985;3(2):87-92

Assessment of the potential pharmacokinetic interaction between digoxin and ethmozine. MacFarland RT, et al. **J Clin Pharmacol** 1985 Mar;25(2):138-43

The metabolism of phenothiazine in the neonatal calf: identification of drug-polypeptide conjugates from urine. Waring RH, et al. **Xenobiotica** 1985 Jun;15(6):459-68

[Interaction of oxygen anion radicals with eye melanins and ommochromes] Lapina VA, et al. **Dokl Akad Nauk SSSR** 1985;280(6):1463-5 **(Rus)**

[Binding of iron ions by shielding eye pigments of vertebrates and invertebrates--melanosomes and ommochromes] Lapina VA, et al. **Ukr Biokhim Zh** 1985 Jan-Feb;57(1):12-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Reversible effects of phenothiazines on frog gastric stimulation. Raphael N, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):G366-76

Interaction of phenothiazine drugs with human ceruloplasmin. Relation between activation of catecholamine neurotransmitter oxidation and electron donating ability of phenothiazine drugs. de Mol NJ. **Biochem Pharmacol** 1985 Aug 1;34(15):2605-9

Reciprocal effects of phenothiazines and naphthalene sulfonamides on the external ATP-dependent permeability change in Chinese hamster ovary cells. Kitagawa T, et al. **Biochim Biophys Acta** 1985 Apr 26;815(1):25-32

Selective effects of CAPP1-calmodulin on its target proteins. Newton D, et al. **Biochim Biophys Acta** 1985 Jun 30; 845(3):533-9

Inhibitory effects of calmodulin antagonists on urinary enzyme excretion in rats after nephrotoxic doses of mercuric chloride. Harrison SD Jr, et al. **Bull Environ Contam Toxicol** 1985 Mar;34(3):432-7

Inhibition of growth of leukemic cells by inhibitors of calmodulin: phenothiazines and melittin. Hait WN, et al. **Cancer Chemother Pharmacol** 1985;14(3):202-5

Flow cytometric studies on modulation of cellular adriamycin retention by phenothiazines. Krishan A, et al. **Cancer Res** 1985 Mar;45(3):1046-51

Effect of phenothiazine, allopurinol, and glucaron on nitrofuran binding in rats. Morton KC, et al. **Drug Metab Dispos** 1984 Sep-Oct;12(5):672-3

Phenothiazines and analgesic potentiation [letter] Creek K. **Hosp Pract [Off]** 1984 Nov;19(11):22-4

The inhibitory effect of phenothiazines on NK-mediated cytolysis of tumor cells. Laing LP, et al. **Immunopharmacology** 1984 Aug;8(1):1-12

Release of superoxide and change in morphology by neutrophils in response to phorbol esters: antagonism by inhibitors of calcium-binding proteins. Robinson JM, et al. **J Cell Biol** 1985 Sep;101(3):1052-8

Radioprotection of euoxic bacteria by phenothiazine drugs. Maniar HS, et al. **Radiat Environ Biophys** 1984;23(4):279-85

[In vitro antibacterial activity of drugs from the group of ethanolamine, phenothiazine and aminoalkyl derivatives with antihistaminic action] Kurnatowski P. **Acta Pol Pharm** 1984;41(4):485-9 (Eng. Abstr.) **(Pol)**

[Action of etmozin and ethacizin on dopaminergic adenylate cyclase of the striate system of the brain] Baldenkov GN, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):448-50 (Eng. Abstr.) **(Rus)**

[Adrenaline-induced autorhythmic activity in the isolated atrial myocardium of mitral stenosis patients and its suppression by etmozin and ethacizin (the diethylamino analog of etmozin)] Shkliar TF, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):462-6 (Eng. Abstr.) **(Rus)**

[Various aspects of the effects of beta adrenergic receptor blockaders, stimulants and calcium antagonists on the cardiovascular system] Katsenovich RA, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):57-63 (Eng. Abstr.) **(Rus)**

[Mechanisms of the inotropic action of nonachlazine] Kaverina NV, et al. **Farmakol Toksikol** 1985 Jan-Feb; 48(1):23-7 (Eng. Abstr.) **(Rus)**

[Effect of nonachlazine on the temperature sensitivity of the lysosomal membranes of the heart muscle in rats in vitro] Sysoliatina NA. **Farmakol Toksikol** 1985 May-Jun; 48(3):41-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Hyperthermic response of a mouse fibrosarcoma as modified by phenothiazine drugs. George KC, et al. **Br J Cancer** 1985 May;51(5):737-8

Potentiation of radiation response of a mouse fibrosarcoma by phenothiazine drugs. George KC, et al. **Indian J Exp Biol** 1984 Jun;22(6):305-7

Use of Frenolon in the treatment of delusion of parasitosis 'Ekbom's syndrome'). Hoffmann H. **Ther Hung** 1982; 30(1):23-4

Low-dosage phenothiazine in the prophylaxis of trichostrongylid infection in calves. Downey NE, et al. **Vet Parasitol** 1984 Oct;16(1-2):55-69

[Comparative study of the effect of ethacizin and lidocaine on the blood supply and function of the intact and ischemic myocardium] Goldshteine GKh, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):466-9 (Eng. Abstr.) **(Rus)**

[Characteristics of the protective action of ethacizin on the ischemic myocardium] Kaverina NV, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):315-7 (Eng. Abstr.) **(Rus)**

[Hemodynamic effect of ethmozine and its diethylamine analog ethacizin on central hemodynamics in patients with various functional states of the myocardium] Ageev FT, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):113-5 **(Rus)**

[Initial results of clinical research on a tabletted form of ethacizin (the diethylamino analog of ethmozine) in ventricular arrhythmias] Rozenshtraukh LV, et al. **Kardiologiia** 1985 Mar;25(3):43-50 (Eng. Abstr.) **(Rus)**

TOXICITY

Enhancement by phenothiazine and 2,5-di-O-acetyl-D-glucosaccharo-(1,4)(6,3)-dilactone of bladder carcinogenicity of N-[4-(5-nitro-2-furyl)-2-thiazolyl]-formamide in rats. Wang CY, et al. **Cancer Lett** 1984 Aug;24(1):37-43

Toxicity and interaction of topical organophosphate insecticide dichlorvoscrotoxyphos and phenothiazine anthelmintic in sheep previously exposed to both drugs. Mohammad FK, et al. **Vet Hum Toxicol** 1985 Jun; 27(3):181-4

[Toxicity of etmozin under extreme conditions] Nanaeva MT, et al. **Farmakol Toksikol** 1985 Jan-Feb;48(1):60-2 (Eng. Abstr.) **(Rus)**

PHENOTYPE

see related
SOMATOTYPES

Genetics of handedness in relation to language disorder. McManus IC. **Adv Neurol** 1984;42:125-38

Oxidation phenotyping in alcoholics with liver disease of varying severity. Lanthier PL, et al. **Alcoholism (NY)** 1984 Sep-Oct;8(5):435-41

Correlative analysis of ethanol-related phenotypes in rat inbred strains. Spuhler K, et al. **Alcoholism (NY)** 1984 Sep-Oct;8(5):480-4

Prenatal phenotype analysis. Elejalde BR, et al. **Am J Med Genet** 1985 Jul;21(3):413-5

No demonstrable relationship between IgM and IgG antinuclear antibody levels and acetylator phenotype in patients with systemic lupus erythematosus. Portanova JP, et al. **Arthritis Rheum** 1985 Sep;28(9):995-8

Adult acute lymphoblastic leukemia phenotypes defined by monoclonal antibodies. Sobol RE, et al. **Blood** 1985 Mar; 65(3):730-5

Genetic and phenotypic markers of tumors (second annual ICOG meeting). Abstracts. **Chemioterapia** 1984;3(6 Suppl):31-67

Phenotypic basis for a feeding change in an insular population of garter snakes. Greenwell MG, et al. **Dev Psychobiol** 1984 Sep;17(5):457-63

Atypical phenotype of Refsum's disease: clinical, biochemical, neurophysiological and pathological study. Dotti MT, et al. **Eur Neurol** 1985;24(2):85-93

Effect of 12-O-tetradecanoylphorbol-13-acetate on selection of drug-resistant phenotypes in rodent cells. Bojan F, et al. **IARC Sci Publ** 1984;(56):265-73

Dermatoglyphic analyses of 32 parents of Prader-Willi syndrome individuals. Smith A, et al. **J Ment Defic Res** 1984 Dec;28 (Pt 4):275-80

Complement phenotypes in glomerulonephritis: increased frequency of homozygous null C4 phenotypes in IgA nephropathy and Henoch-Schönlein purpura. McLean RH, et al. **Kidney Int** 1984 Dec;26(6):855-60

Alpha-1-antitrypsin (AAT) and its stimulation in the liver of PiMZ phenotype individuals. A 'recruitment-secretory block' ('R-SB') phenomenon. Callea F, et al. **Liver** 1984 Oct;4(5):325-37

Microstructural analysis of chlordiazepoxide's effects on food preference behavior in roman high-, control- and low-avoidance rats. Cooper SJ, et al. **Physiol Behav** 1984 Apr;32(4):581-8

The intrauterine position phenomenon: effects on physiology, aggressive behavior and population dynamics in house mice. vom Saal FS. **Prog Clin Biol Res** 1984;169:135-79

Heritability of some morphological traits in man: regression and segregation analysis of familial resemblance. Kobyliansky E. **Z Morphol Anthropol** 1984;75(1):77-84

Transferrin subtyping by isoelectrofocusing in three West Bengal populations. Reddy AP, et al. **Z Morphol Anthropol** 1984;74(3):345-9

Gc subtypes determined by ultrathin-layer isoelectric focusing. Distribution in the Veneto population (Italy). Cortivo P, et al. **Z Rechtsmed** 1984;93(4):311-5

Gm typing by enzyme-linked immunosorbent assay (ELISA). Kishda T, et al. **Z Rechtsmed** 1984;93(1):23-7

[Correlation of the body length of newborn infants and paternal body height] Schickedanz H, et al. **Arztl Jugendkd** 1984 Oct;75(5):279-84 (Eng. Abstr.) **(Ger)**

[Phenotype of trisomy 9] Pfeiffer RA, et al. **Monatsschr Kinderheilkd** 1984 Oct;132(10):797-800 (Eng. Abstr.) **(Ger)**

[Detection, genetic counseling and phenotype prevention of Duchenne muscular dystrophy] Bachmann H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Sep; 36(9):537-44 (Eng. Abstr.) **(Ger)**

[Pathogenesis of systemic lupus erythematosus: effect of aromatic amines] Merk H. **Z Hautkr** 1984 Jun 1; 59(11):709-10 **(Ger)**

[Phenotype anomalies in subjects with balanced chromosome translocation. Presentation of 4 cases] Ventruto V, et al. **Pathologica** 1983;75 Suppl:258-61 **(Ita)**

PHENOXAZOLE see **PEMOLINE**

PHENOXYACETATES see under **GLYCOLATES**

PHENOXYBENZAMINE

ADMINISTRATION & DOSAGE

Influence of intracerebroventricular phenoxybenzamine on the renal action of intracerebroventricular morphine. Kook YJ, et al. **Arch Int Pharmacodyn Ther** 1985 Feb; 273(2):289-98

DIAGNOSTIC USE

Alpha-adrenergic blockade in the diagnosis of detrusor instability secondary to infravesical obstruction. Reuther K, et al. **Urol Int** 1984;39(5):312-3

METABOLISM

Drug-protein interactions: isolation and characterization of covalent adducts of phenoxybenzamine and calmodulin. Lukas TJ, et al. **Biochemistry** 1985 Jan 1;24(1):151-7

PHARMACODYNAMICS

Effect of phenoxybenzamine on myocardial cell necroses and blood levels of catecholamines in pigs subjected to stress. Häggendal J, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Sep;55(3):161-7

Interaction of phenoxybenzamine with muscarinic receptors and calcium channels. Gengo PJ, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3445-9

Sleep-awake responses elicited from medial preoptic area on application of norepinephrine and phenoxybenzamine in free moving rats. Mohan Kumar V, et al. **Brain Res** 1984 Nov 26;322(2):322-5

Phenoxybenzamine-induced inhibition of cirazoline pressor responses in pithed rats pretreated with organic or inorganic calcium entry blocking drugs. Bou J, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):535-9

Effects of NaHCO3, alpha-, and beta-adrenergic blockade on albuminuria after swimming in splenectomized dogs. Joles JA, et al. **Int J Sports Med** 1984 Dec;5(6):306-10

Calcium entry blockade by nitrendipine and alpha adrenergic responsiveness in vivo: comparison with noncalcium entry blocker vasodilators in absence and presence of phenoxybenzamine pretreatment. Pedrinelli R, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):636-42

Turnover of adrenergic receptors under normal and desensitized conditions. Sladeczek F, et al. **J Recept Res** 1984;4(1-6):69-89

The relationship between phosphatidylinositol metabolism and mobilization of intracellular calcium elicited by alpha1-adrenergic receptor stimulation in BC3H-1 muscle cells. Ambler SK, et al. **Mol Pharmacol** 1984 Nov; 26(3):405-13

Relationship between alpha 1-adrenoceptor density and functional response of rat vas deferens. Studies with phenoxybenzamine. Minneman KP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(3):238-46

Effects of the irreversible alpha-adrenoceptor antagonists phenoxybenzamine and benextramine on the effectiveness of nifedipine in inhibiting alpha 1- and alpha 2-adrenoceptor mediated vasoconstriction in pithed rats. Timmermans PB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):404-13

Effect of desipramine, phenoxybenzamine and yohimbine on beta-adrenoceptors and cyclic AMP production in the rat brain. Campbell IC, et al. **Neuropharmacology** 1984 Dec; 23(12A):1385-8

Effect of phenoxybenzamine on indomethacin induced systemic vasoconstriction in dogs. Anderson FL, et al. **Prostaglandins Leukotrienes Med** 1985 Jun;18(3):287-92

[Modification of vasoconstriction in ischemically stressed and extracorporeally perfused dog kidneys by alpha adrenergic blockade with phenoxybenzamine] Schuldt HH, et al. **Z Urol Nephrol** 1984 Dec;77(12):703-9 (Eng. Abstr.) **(Ger)**

[Effects of serotonin, phenoxybenzamine, sodium nitroprusside and nitroglycerin on pulmonary capillary blood flow in dogs] Masuda J. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Aug; 22(8):650-8 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Pheochromocytoma in pregnancy. Experience of treatment with phenoxybenzamine in three patients. Stenström G, et al. **Acta Obstet Gynecol Scand** 1985;64(4):357-61

Therapeutic efficacy of alpha-adrenoceptor blockade in primary and secondary Raynaud's syndrome. Cleophas TJ, et al. **Angiology** 1984 Nov;35(11):719-23

Raynaud's disease. Burns EC, et al. **Arch Dis Child** 1985 Jun; 60(6):537-41

The effect of phenoxybenzamine on postoperative urinary complications during extradural morphine analgesia. Evron S, et al. **Eur J Anaesthesiol** 1984 Mar;1(1):45-54

The use of phenoxybenzamine treatment in premature ejaculation. Shilon M, et al. **Fertil Steril** 1984 Oct; 42(4):659-61

A comparison of the efficacy of an alpha-1-adrenergic blocker in the slow calcium channel blocker in the control of autonomic dysreflexia. Lindan R, et al. **Paraplegia** 1985 Feb;23(1):34-8

Phenoxybenzamine in prostatic obstruction. Griffiths DJ, et al. **Urol Int** 1984;39(4):241-2

[Long-term non-deforming urinary infections in childhood. 2. Proposed treatment and results] Belloli G, et al. **Pediatr Med Chir** 1984 Jan-Feb;6(1):65-72 (Eng. Abstr.) **(Ita)**

PHENPROCOUMON see under **4-HYDROXYCOUMARINS**

PHENTANYL see **FENTANYL**

PHENTERMINE

Phentermine self-administration in naive free-feeding and food-deprived rats: a dose response study. Papasava M, et al. **Psychopharmacology (Berlin)** 1985;85(4):410-3

ANALOGS & DERIVATIVES

Prevention of chlorphentermine-induced pulmonary phospholipidosis in rats by phenobarbital. Reasor MJ, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):192-6

Newborn response to cationic amphiphilic drugs. Kacew S, et al. **Fed Proc** 1985 Apr;44(7):2323-7

Gentamicin or chlorphentermine induction of phospholipidosis in the developing organism: role of tissue and species in manifestation of toxicity. Kacew S. **J Pharmacol Exp Ther** 1985 Jan;232(1):239-43

Chlorphentermine-induced biochemical alterations in mitochondrial membranes. Zychlinski L, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):39-44

BLOOD

Gas-liquid chromatographic determination of phentermine in human plasma following oral administration to healthy subjects. Dadgar D, et al. **J Chromatogr** 1985 Jan 11; 337(1):136-41

PHARMACODYNAMICS

Self-administration of phentermine by naive rats: effects of body weight and a food delivery schedule. Papasava M, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1071-3

POISONING

A fatality involving phentermine. Levine B, et al. **J Forensic Sci** 1984 Oct;29(4):1242-5

PHENTOLAMINE

ANALOGS & DERIVATIVES

Auto-injection of the corpus cavernosum with a vasoactive drug combination for vasculogenic impotence. Zorgniotti AW, et al. **J Urol** 1985 Jan;133(1):39-41

PHARMACODYNAMICS

Effect of alpha- and beta-receptor active drugs on corneal thickness. Nielsen CB, et al. **Acta Ophthalmol (Copenh)** 1985 Jun;63(3):351-4

An acute ocular inflammatory reaction induced by intravitreal bovine serum albumin in presensitized rabbits: the effect of phentolamine. Uusitalo H. **Acta Ophthalmol (Copenh)** 1984 Aug;62(4):636-42

Intimacy of the neuroeffector junction and resistance to alpha-adrenoceptor-blockade of the neurogenic contractile response in vasa deferentia from guinea pig and rat. Hammarström M, et al. **Acta Physiol Scand** 1984 Dec, 122(4):465-74

Neural and transmitter influence on the capillary diameter in exteriorized frog mesentery. Dietrich HH, et al. **Adv Exp Med Biol** 1984;180:701-9

Phentolamine-resistant neurogenic constriction occurs in small arteries at higher frequencies. Owen MP, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):H404-14

Comparison of the antagonistic effects of phentolamine on vasoconstrictor responses to exogenous and neurally released noradrenaline in vivo. Bell C. **Br J Pharmacol** 1985 May;85(1):249-53

Reduction by phentolamine of the hypotensive effect of methionine enkephalin in anaesthetized rabbits. Eulie PJ, et al. **Br J Pharmacol** 1984 Nov;83(3):783-90

Characterization of the receptor mediating contraction of human umbilical artery by 5-hydroxytryptamine. McGrath JC, et al. **Br J Pharmacol** 1985 Jan;84(1):199-202

Phentolamine-induced rhythmic contractions in bladder detrusor muscle of guinea-pig. Satake N, et al. **Br J Pharmacol** 1984 Dec;83(4):965-71

Injections of phentolamine into the anterior hypothalamus-preoptic area of rats blocks both pressor and drinking responses produced by central administration of angiotensin II. Jones DL. **Brain Res Bull** 1984 Jul; 13(1):127-33

Effect of phentolamine on the insulin, glucagon, and glucose responses to exercise in adrenal-denervated sheep. Brockman RP. **Can J Physiol Pharmacol** 1985 Apr; 63(4):346-9

Effect of phentolamine in controlling temperature and acidosis associated with cardiopulmonary bypass. Bridges KG, et al. **Crit Care Med** 1985 Feb;13(2):72-6

Myometrial responses in situ to nicergoline, acebutolol, phentolamine and noradrenaline of the rat in proestrus.

WARK PUBLIC LIBRARY

Acritopoulou-Fourcroy S, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):59-64

The effect of prazosin, indoramin and phentolamine on sympathetic nerve activity. Ramage AG. **Eur J Pharmacol** 1984 Nov 27;106(3):507-13

Presynaptic agonist effect of phentolamine in the rabbit vas deferens and rat cerebral cortex. Ennis C, et al. **J Pharm Pharmacol** 1984 Nov;36(11):753-7

Effect of local alpha-adrenergic blockade on human penile erection. Blum MD, et al. **J Urol** 1985 Sep;134(3):479-81

Effects of alpha-receptor inhibition by phentolamine on systemic and regional hemodynamics in spontaneously hypertensive rats. Kitamura Y, et al. **Nippon Jinzo Gakkai Shi** 1984 Sep;26(9):1223-33

Phentolamine and rat aortic smooth muscle responsiveness to potassium chloride, isoproterenol and norepinephrine. Soltis EE, et al. **Pharmacology** 1985;31(2):67-71

Chemically induced vasospasm: the effect of ischemia, vessel occlusion, and adrenergic blockade. Richards RR, et al. **Plast Reconstr Surg** 1985 Feb;75(2):238-44

The contractile effect of phentolamine on the smooth muscle of isolated guinea pig urinary bladder. Satake N, et al. **Proc West Pharmacol Soc** 1984;27:127-30

Plasma prostaglandin levels and circulating fuel levels in rats with diabetic ketoacidosis: effects of cyclooxygenase inhibitors and of alpha and beta adrenergic blockade. Axelrod L, et al. **Prostaglandins** 1984 Sep;28(3):333-52

Central noradrenergic neurons and the hypertensive effects of intracerebroventricularly administered prostaglandin E2 in anaesthetized rabbits. Otorii T, et al. **Prostaglandins** 1985 Jan;29(1):25-33

Paradoxical sleep deprivation and the immobility response in the rat: effects of desipramine and phentolamine. van Luijtelaar EL, et al. **Sleep** 1985;8(1):49-55

[A study of urodynamics. XI-2. The response of urethral pressure to phentolamine and the damage of the pelvic plexus after radical hysterectomy] Kaneko S. **Nippon Hinyokika Gakkai Zasshi** 1984 Apr;75(4):570-9 (Eng. Abstr.) **(Jpn)**

[Mechanism of action of fentolamin on the gastric secretion] Smirnov VIa, et al. **Farmakol Toksikol** 1985 May-Jun; 48(3):77-9 (Eng. Abstr.) **(Rus)**

[Effect of bulbar microinjections of noradrenaline, isoproterenol and phentolamine on the spino-bulbo-spinal reflex in the cat] Gokin AP, et al. **Neirofiziologiia** 1984; 16(4):550-3 (Eng. Abstr.) **(Rus)**

[Combined effect of adrenergic blockaders and stress on the contraction of portal vein smooth muscle in rats] Manukhina EB. **Patol Fiziol Eksp Ter** 1984 Nov-Dec; (6):13-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The effects of phentolamine and isoproterenol in experimental hemorrhagic shock in the dog. Liu ZM, et al. **Circ Shock** 1984;14(1):1-11

Comparison of phentolamine and urapidil in controlling acute intra-operative hypertension in patients subjected to coronary artery bypass surgery. Hess W, et al. **Eur J Anaesthesiol** 1985 Mar;2(1):21-7

[Possible mechanism of the therapeutic effect of phentolamine in the adult respiratory distress syndrome—a preliminary study on oleic acid lung preparations] Liu XW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1984 Jun;7(3):143-5, 190 (Eng. Abstr.) **(Chi)**

[Hemodynamic effects of phentolamine in acute and chronic mitral insufficiency after myocardial infarction] Renard M, et al. **Arch Mal Coeur** 1985 Jan;78(1):37-43 (Eng. Abstr.) **(Fre)**

[Hemodynamic and respiratory effects of phentolamine in pulmonary hypertension secondary to chronic obstructive syndrome] Domenighetti G, et al. **Schweiz Med Wochenschr** 1985 Jan 19;115(3):99-103 (Eng. Abstr.) **(Fre)**

[Effect of neuroleptic, adreno- and cholinolytic agents on cerebral cortical function in edema] Iasnetsov VS, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):18-21 (Eng. Abstr.) **(Rus)**

PHENYL ETHERS

Is triclosan susceptible to contamination? [letter] Findley WR, et al. **Infect Control** 1985 Aug;6(8):298-9

Triclosan: Safe or unsafe? [letter] Gravens DL. **Infect Control** 1985 Jun;6(6):216

ANALYSIS

Study of chlorinated diphenyl ethers and chlorinated 2-phenoxyphenols as interferences in the determination of chlorinated dibenzo-p-dioxins and chlorinated dibenzo furans in biological samples. Ryan JJ, et al. **J Chromatogr** 1984 Nov 2;303(2):351-60

[Gas chromatographic determination of the herbicide illoxan in plants, grain and soil] Novitskaia TV, et al. **Gig Sanit** 1984 Oct;(10):51-2 **(Rus)**

METABOLISM

A diphenylmethane derivative specific for the antiestrogen binding site found in rat liver microsomes. Brandes LJ, et al. **Biochem Biophys Res Commun** 1984 Sep 17; 123(2):724-8

PHARMACODYNAMICS

A diphenylmethane derivative selective for the anti-estrogen binding site may help define its biological role. Brandes LJ. **Biochem Biophys Res Commun** 1984 Oct 15; 124(1):244-9

Serratia marcescens contamination of antiseptic soap containing triclosan: implications for nosocomial infection. Barry MA, et al. **Infect Control** 1984 Sep;5(9):427-30

Effect of 4,4'-oxydianiline on the thyroid and pituitary glands of F344 rats: a morphologic study with the use of the immunoperoxidase method. Murthy AS, et al. **JNCI** 1985 Jan;74(1):203-8

THERAPEUTIC USE

[Reduction of auricular fibrillation with fenoxedil: the probable role of the autonomic nervous system] Chauvin M, et al. **Ann Cardiol Angeiol (Paris)** 1985 Apr 30;34(4 Pt 2):277-81 (Eng. Abstr.) **(Fre)**

TOXICITY

Mutagenicity of N-acetyl and N,N'-diacetyl derivatives of 3 aromatic amines used as epoxy-resin hardeners. Tanaka K, et al. **Mutat Res** 1985 May-Jun;143(1-2):11-5

The postnatal effects of prenatal exposure to low doses of nitrofen (2,4-dichlorophenyl-p-nitrophenyl ether) in Sprague-Dawley rats. Ostby JS, et al. **Toxicology** 1985 Mar 29;34(4):285-97

PHENYL MERCURY COMPOUNDS see **PHENYLMERCURY COMPOUNDS**

PHENYLACETATES

ADMINISTRATION & DOSAGE

[Labetalol and guanfacine in the treatment of arterial hypertension in patients with chronic renal failure] Lifshits NL, et al. **Ter Arkh** 1984;56(7):66-9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Feeding intolerance following ophthalmologic examination. Hermansen MC, et al. **Am J Dis Child** 1985 Apr; 139(4):367-8

Non-steroidal anti-inflammatory drugs and adverse renal effects [letter] Pal B, et al. **Ann Rheum Dis** 1985 Mar; 44(3):212-3

Fenclofenac induced interstitial nephritis confirmed by inadvertent rechallenge. Raftery MJ, et al. **Br Med J [Clin Res]** 1985 Apr 20;290(6476):1178-9

Diclofenac-associated acute renal failure. Report of 2 cases. Rossi E, et al. **Nephron** 1985;40(4):491-3

[Fulminating hepatitis in a woman taking glafenine and diclofenac (letter)] Babany G, et al. **Gastroenterol Clin Biol** 1985 Feb;9(2):185 **(Fre)**

[Acute fatal hepatitis during treatment with diclofenac (Voltarène) (letter)] Lascar G, et al. **Gastroenterol Clin Biol** 1984 Nov;8(11):881-2 **(Fre)**

[Extra-membranous glomerulonephritis during the treatment of rheumatoid polyarthritis with diclofenac (letter)] Hurault de Ligny B, et al. **Nephrologie** 1984;5(3):135-6 **(Fre)**

[Appearance of monoclonal gammopathy and auto-immune hemolytic anemia following intake of drugs] Mitsutani S. **Nippon Ketsueki Gakkai Zasshi** 1985 May;48(3):849-52 (Eng. Abstr.) **(Jpn)**

[The pattern of adverse effects of Voltaren after 3 years' use] **Lakartidningen** 1984 Nov 21;81(47):4432-3 **(Swe)**

ANALYSIS

Kinetic aspects of the dissolution and partition of diclofenac, alclofenac and their sodium salts. Zecchi V, et al. **Arch Pharm (Weinheim)** 1984 Nov;317(11):897-905

Footshock and conditioned stress increase 3,4-dihydroxyphenylacetic acid (DOPAC) in the ventral tegmental area but not substantia nigra. Deutch AY, et al. **Brain Res** 1985 Apr 29;333(1):143-6

Effect of gonadectomy on brain homovanillic acid levels. Leret ML, et al. **Comp Biochem Physiol [B]** 1984; 78(3):773-6

Chronic antidepressant administration fails to attenuate apomorphine-induced decreases in rat striatal dopamine metabolites. Diggory GL, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):257-63

High-performance liquid chromatographic determination of diclofenac and its monohydroxylated metabolites in biological fluids. Godbillon J, et al. **J Chromatogr** 1985 Feb 27;338(1):151-9

3-methoxy-4-hydroxyphenylglycol, 5-hydroxyindoleacetic acid, and homovanillic acid in human cerebrospinal fluid. Storage and measurement by reversed-phase high-performance liquid chromatography and coulometric detection using 3-methoxy-4-hydroxyphenyllactic acid as an internal standard. Javors MA, et al. **J Chromatogr** 1984 Dec 12;336(2):259-69

Determination of carnitine, butyrobetaine, and betaine as 4'-bromophenacyl ester derivatives by high-performance liquid chromatography. Minkler PE, et al. **J Chromatogr** 1984 Dec 12;336(2):271-83

Effect of chronic haloperidol and quinacrine coadministration on striatal HVA levels and stereotypic behaviors in response to apomorphine in the rat. Deutsch SI, et al. **Neurochem Res** 1985 Apr;10(4):491-8

An improved differential pulse voltammetry technique allows the simultaneous analysis of dopaminergic and serotonergic activities in vivo with a single carbon-fibre electrode. Crespi F, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):159-64

Decreased tuberoinfundibular and pituitary dopamine and dihydroxyphenylacetic acid concentrations in rats with estrogen-induced pituitary tumors. Di Paolo T, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):251-6

Simultaneous monitoring of 3,4-dihydroxyphenylacetic acid (DOPAC) and 5-hydroxyindoleacetic acid (5-HIAA) levels in the brains of freely moving rats by differential pulse voltammetry technique. Ikeda M, et al. **Neurosci Res** 1984 Jun;1(3):171-84

Detection of homovanillic acid in vivo using microcomputer-controlled voltammetry: simultaneous monitoring of rat motor activity and striatal dopamine release. O'Neill RD, et al. **Neuroscience** 1985 Mar; 14(3):753-63

Changes in monoamine metabolites measured by simultaneous in vivo differential pulse voltammetry and intracerebral dialysis. Sharp T, et al. **Neuroscience** 1984 Aug;12(4):1213-21

Acute and chronic effects of neuroleptic drugs on plasma and brain homovanillic acid in the rat. Kendler KS, et al. **Psychiatry Res** 1984 Sep;13(1):51-8

Dopaminomimetic action of diphenylhydantoin in rat striatum: effect on homovanillic acid and cyclic AMP levels. Lepore V, et al. **Psychopharmacology (Berlin)** 1985; 86(1-2):27-30

[Homovanillic acid levels in corpus striatum, limbic system and diencephalon of male and female rats. Leret ML, et al. **Rev Esp Fisiol** 1984 Dec;40(4):489-92

[Determination of homovanillic acid using o-dianisidine-peroxidase system] Iwai H, et al. **Yakugaku Zasshi** 1984 May;104(5):540-3 (Eng. Abstr.) **(Jpn)**

BLOOD

Dexamethasone suppression test and the levels of serum growth hormone, plasma vasopressin and plasma homovanillic acid in depressed in- and outpatients. Syvälahti E. **Acta Psychiatr Scand** 1985 Feb;71(2):105-10

Marked increase of plasma 3,4-dihydroxyphenylacetic acid in congestive heart failure [letter] Mercuro G, et al. **Am Heart J** 1984 Dec;108(6):1588-9

A high-pressure liquid chromatographic method for plasma phenylacetic acid, a putative marker for depressive disorders. Gusovsky F, et al. **Anal Biochem** 1985 Feb 15; 145(1):101-5

Diclofenac sodium: blood concentration of the slow-release form and influence on the metabolism of kallikrein. Gross W, et al. **Arzneimittelforsch** 1984;34(10):1327-9

The neuroendocrine and behavioral response to dextroamphetamine in normal individuals. Dommisse CS, et al. **Biol Psychiatry** 1984 Sep;19(9):1305-15

Bromocriptine reduces plasma noradrenaline and 3,4-dihydroxyphenylacetic acid in normal and hypotensive subjects. Mercuro G, et al. **Eur J Clin Pharmacol** 1985; 27(6):671-5

Studies on the central or peripheral origin of free and sulfated 3,4-dihydroxyphenylacetic acid in rat plasma. Boudet C, et al. **Eur J Pharmacol** 1984 Aug 17;103(3-4):295-301

Determination of serum diclofenac by high-performance liquid chromatography by electromechanical detection. Plavšić F, et al. **Hum Toxicol** 1985 May;4(3):317-22

Measurement of homovanillic acid in human plasma by high-performance liquid chromatography with electrochemical detection. Harris PQ, et al. **J Chromatogr** 1984 Aug 10;309(2):379-84

Elevated plasma homovanillic acid in depressed females with melancholia and psychosis. Devanand DP, et al. **Psychiatry Res** 1985 May;15(1):1-4

Evidence for a daily rhythm of plasma HVA in normal controls but not in schizophrenic patients. Doran AR, et al. **Psychopharmacol Bull** 1985;21(3):694-7

Apomorphine does not lower the concentration of homovanillic acid in the plasma of normal humans. Scheinin M. **Psychopharmacol Bull** 1984 Fall;20(4):660-6

Plasma homovanillic acid concentration and the severity of schizophrenic illness. Davis KL, et al. **Science** 1985 Mar 29;227(4694):1601-2

[Plasma increase of dihydroxyphenylacetic acid, a dopamine metabolite, in cardiac decompensation] Mercuro GG, et al. **Cardiologia** 1985 Jan;30(1):39-45 (Eng. Abstr.) **(Ita)**

CEREBROSPINAL FLUID

Further observations showing the impact of the probenecid test in movement disorders. Vanderheyden JE, et al. **Acta Neurol Belg** 1985 May-Jul;85(3):171-81

Liquid chromatographic assay for CSF catecholamines using electrochemical detection. Seppala T, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Aug;55(2):81-7

CSF neurochemistry of women with anorexia nervosa and normal women. Gerner RH, et al. **Am J Psychiatry** 1984 Nov;141(11):1441-4

Higher CSF levels of HVA and 5-HIAA in delusional compared to nondelusional depression [letter] Aberg-Wistedt A, et al. **Arch Gen Psychiatry** 1985 Sep; 42(9):925-6

CSF monoamine metabolite levels in Alzheimer's and

Parkinson's disease. Gibson CJ, et al. **Arch Neurol** 1985 May;42(5):489–92

CSF monamine metabolites in movement disorders and normal aging. Stahl SM, et al. **Arch Neurol** 1985 Feb; 42(2):166–9

Monoamine activity correlates with psychometric deficits in Korsakoff's disease. Mair RG, et al. **Behav Brain Res** 1985 May;15(3):247–54

The influence of the lying and sitting positions on the gradients of 5–HIAA and HVA in lumbar cerebrospinal fluid. Gateless D, et al. **Biol Psychiatry** 1984 Nov; 19(11):1585–9

Lumbar cerebrospinal fluid homovanillic acid concentrations are higher in female than male non–human primates. Seegal RF. **Brain Res** 1985 May 20;334(2):375–9

The effects of amiflamine on cerebrospinal fluid amine metabolites in the rhesus monkey. Garrick NA, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):1–9

Hallucinations in patients with major depression. Interactions between CSF monoaminergic and endorphinergic indices. Agren H, et al. **J Affective Disord** 1985 Jul;9(1):25–34

Isocratic analysis of 3–methoxy–4–hydroxyphenyl glycol, 5–hydroxyindole–3–acetic acid and 4–hydroxy–3–methoxyphenylacetic acid in cerebrospinal fluid by high–performance liquid chromatography with amperometric detection. Bottiglieri T, et al. **J Chromatogr** 1984 Nov 28;311(2):354–60

3–methoxy–4–hydroxyphenylglycol, 5–hydroxyindoleacetic acid, and homovanillic acid in human cerebrospinal fluid. Storage and measurement by reversed–phase high–performance liquid chromatography and coulometric detection using 3–methoxy–4–hydroxyphenyllactic acid as an internal standard. Javors MA, et al. **J Chromatogr** 1984 Dec 12;336(2):259–69

Effects of rat ovariectomy on CSF monoamine metabolite levels and elimination. Duval C, et al. **J Neurochem** 1985 Apr;44(4):1312–4

Concentrations of homovanillic acid and 5–hydroxyindoleacetic acid in cerebrospinal fluid from human infants in the perinatal period. Silverstein FS, et al. **J Neurochem** 1984 Dec;43(6):1769–72

Long–term high frequency transcutaneous electrical nerve stimulation (hi–TNS) in chronic pain. Clinical response and effects on CSF–endorphins, monoamine metabolites, substance P–like immunoreactivity (SPLI) and pain measures. Almay BG, et al. **J Psychosom Res** 1985; 29(3):247–57

Monoamine metabolites in human cerebrospinal fluid: indicators of neuronal activity? Scheinin M. **Med Biol** 1985; 63(1):1–17 (237 ref.)

Lesch–Nyhan syndrome: CSF neurotransmitter abnormalities. Silverstein FS, et al. **Neurology** 1985 Jun; 35(6):907–11

Treatment of non–fluctuating progressive dystonia: a neuropharmacological approach. Willemse J, et al. **Neuropediatrics** 1984 Oct;15(4):208–10

Approaches to the study of cerebral dopamine metabolism in certain extrapyramidal diseases. Barkhatova VP, et al. **Neurosci Behav Physiol** 1985 Mar–Apr;15(2):132–9

Cerebrospinal fluid neurotransmitter metabolites in neurologically normal infants and children. Langlais PJ, et al. **Pediatrics** 1985 Mar;75(3):580–6

Low HVA and normal 5HIAA CSF levels in drug–free schizophrenic patients compared to healthy volunteers: correlations to symptomatology and family history. Lindström LH. **Psychiatry Res** 1985 Apr;14(4):265–73

CSF monoamine metabolites in chronic schizophrenic patients who attempt suicide. Roy A, et al. **Psychol Med** 1985 May;15(2):335–40

Cerebrospinal fluid homovanillic acid and hypokinetic side effects of neuroleptics. Bowers MB Jr. **Psychopharmacology (Berlin)** 1985;85(2):184–6

CHEMICAL SYNTHESIS

Substituted 5H–dibenz[b,g]–1,4–oxazocines and related amino acids with antiinflammatory activity. Stillings MR, et al. **J Med Chem** 1985 Feb;28(2):225–33

Antiinflammatory agents. 3. Synthesis and pharmacological evaluation of 2–amino–3–benzoylphenylacetic acid and analogues. Walsh DA, et al. **J Med Chem** 1984 Nov; 27(11):1379–88

ISOLATION & PURIFICATION

Simultaneous determination of homovanillic acid, 3,4–dihydroxyphenylacetic acid and 5–hydroxyindoleacetic acid in brain tissue, using a double–column procedure. Moroji T, et al. **Arzneimittelforsch** 1985;35(2):478–80

METABOLISM

Diclofenac binding to albumin and lipoproteins in human serum. Chamouard JM, et al. **Biochem Pharmacol** 1985 May 15;34(10):1695–700

Electron spin resonance studies on the reaction of peroxyphenylacetic acid with aminopyrine in the presence and absence of catalase. Sayo H, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):2898–904

Colonoscopy in the investigation of drug absorption in healthy volunteers. Gleiter CH, et al. **Gastrointest Endosc** 1985 Apr;31(2):71–3

Oxidation and dehalogenation of 4–chlorophenylacetate by a two–component enzyme system from Pseudomonas sp. strain CBS3. Markus A, et al. **J Bacteriol** 1984 Nov; 160(2):618–21

Effects of African trypanosomiasis on brain levels of dopamine, serotonin, 5–hydroxyindoleacetic acid, and homovanillic acid in the rabbit. Stibbs HH. **J Neurochem** 1984 Nov;43(5):1253–6

Neurochemical and activity changes in rats infected with Trypanosoma brucei gambiense. Stibbs HH. **J Parasitol** 1984 Jun;70(3):428–32

Effects of debrisoquin on CSF and plasma HVA concentrations in man. Maas JW, et al. **Life Sci** 1985 Jun 3;36(22):2163–70

In vivo voltammetric determination of the kinetics of dopamine metabolism in the rat. Michael AC, et al. **Neurosci Lett** 1985 May 23;56(3):365–9

Analysis and the effects of some drugs on the metabolism of phenylethylamine and phenylacetic acid. McQuade PS. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):607–14

Homovanillic acid in rat caudate and prefrontal cortex following phencyclidine and amphetamine. Bowers MB Jr, et al. **Psychopharmacology (Berlin)** 1984;84(1):136–7

[Binding of 3–chloro–4–[3H]–benzyloxyphenylacetic acid ([3H] benzofenac) to plasma proteins] Verner P, et al. **Cesk Farm** 1984 Nov;33(9):367–71 (Eng. Abstr.) **(Cze)**

[Catecholamine content of the rat brain at different stages of experimental alcoholism] Varkov AI, et al. **Biull Eksp Biol Med** 1985 Mar;99(3):316–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of a prostaglandin synthesis inhibitor and of thrombocytopenia on tumor blood flow and tumor vascular permeability. Experimental studies in the rat. Peterson HI, et al. **Anticancer Res** 1985 May–Jun;5(3):253–7

Sensitivity of the myenteric plexus alpha2–receptor from guinea pig treated with clonidine or guanfacine. Martín MI, et al. **Arch Farmacol Toxicol** 1984 Aug;10(2):115–9

Guanfacine and clonidine: the effects on adrenal medullary function in spontaneously hypertensive rats. Togashi H, et al. **Arch Int Pharmacodyn Ther** 1984 Nov;272(1):79–87

Effect of exposure to radiation on the inflammatory process and its influence by diclofenac. el–Ghazaly M, et al. **Br J Pharmacol** 1985 May;85(1):45–50

Effect of alpha 2 adrenergic agents upon central etorphine antinociception in the cat. Ossipov MH, et al. **Brain Res** 1984 Aug 20;309(1):135–42

Metabolic and haemodynamic effects of alpha 2–adrenoceptor stimulation and antagonism in man. Brown MJ, et al. **Clin Sci** 1985;68 Suppl 10:137s–139s

Evidence for a peripheral component in the sympatholytic actions of clonidine and guanfacine in man. Murphy MB, et al. **Eur J Clin Pharmacol** 1984;27(1):23–7

The hypotensive activity and side effects of methyldopa, clonidine, and guanfacine. van Zwieten PA, et al. **Hypertension** 1984 Sep–Oct;6(5 Pt 2):II28–33 (44 ref.)

Urethane interferes with the alpha 2–agonist guanfacine [letter] Moore ND, et al. **J Cardiovasc Pharmacol** 1984 Sep–Oct;6(5):973–4

Different responses of growth hormone secretion to guanfacine, bromocriptine, and thyrotropin–releasing hormone in acromegalic patients with pure growth hormone (GH)–containing and mixed GH/prolactin–containing pituitary adenomas. Lamberts SW, et al. **J Clin Endocrinol Metab** 1985 Jun;60(6):1148–53

Characterization of enhanced intestinal permeability; electrophysiological study on the effects of diclofenac and ethylenediaminetetraacetic acid. Yamashita S, et al. **J Pharm Pharmacol** 1985 Jul;37(7):512–3

A comparison of the inhibitory effects of clonidine and guanfacine on the behavioral and autonomic components of morphine withdrawal in rats. Buccafusco JJ, et al. **Life Sci** 1984 Sep 24;35(13):1401–8

Effects of guanabenz and guanfacine on postsynaptic alpha 2–adrenoceptors in the rat submaxillary and parotid glands. Kaniucki MD, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):289–92

Effects of cyclopentolate eyedrops on gastric secretory function in pre–term infants. Isenberg SJ, et al. **Ophthalmology** 1985 May;92(5):698–700

Clonidine and guanfacine––comparison of their effects on haemodynamics in hypertension. Seedat YK. **S Afr Med J** 1985 Apr 6;67(14):557–9 (20 ref.)

Effects of sodium diclofenac on glycosaminoglycan metabolism in experimental osteoarthritis in rabbits. Eronen I, et al. **Scand J Rheumatol** 1985;14(1):37–42

Effect of flucythrinate impregnated ear tags on fly attack in cattle. Taylor SM, et al. **Vet Rec** 1985 May 25; 116(21):566–7

[Effect of indomethacin and voltaren on glutathione oxidation and reduction in the liver of white rats] Meshchishen IF, et al. **Farmakol Toksikol** 1985 Jan–Feb; 48(1):28–30 (Eng. Abstr.) **(Rus)**

[Nature of the interaction of voltaren and other pyrazolone and aniline derivatives with prostaglandin endoperoxide synthetase] Muratov VK, et al. **Farmakol Toksikol** 1984 Sep–Oct;47(5):41–4 (Eng. Abstr.) **(Rus)**

SECRETION

Release of endogenous dopamine, 3,4–dihydroxyphenylacetic acid, and amino acid transmitters from rat striatal slices. Flint RS, et al. **Neurochem Res** 1985 Apr;10(4):515–27

THERAPEUTIC USE

Relationships between blood pressure, heart rate and plasma epinephrine, norepinephrine, angiotensin II concentrations, plasma renin activity during chronic guanfacine therapy in patients with essential arterial hypertension. Collart F, et al. **Acta Cardiol (Brux)** 1985;40(3):269–76

Diclofenac for pain after hip surgery. Lindgren U, et al. **Acta Orthop Scand** 1985 Feb;56(1):28–31

Preliminary results of guanfacine treatment of acute opiate withdrawal. Schubert H, et al. **Am J Psychiatry** 1984 Oct; 141(10):1271–3

The efficacy of diclofenac sodium (Voltarol) with and without paracetamol in the control of post–surgical dental pain. Matthews RW, et al. **Br Dent J** 1984 Nov 24; 157(10):357–9

Mefenamic acid and diclofenac sodium in osteoarthritis of the weight bearing joints: a double blind comparison. Aylward M, et al. **Br J Clin Pract** 1985 Apr;39(4):135–9

Differential effects of two non steroidal anti–inflammatory drugs on the plasma urea of elderly patients with osteoarthritis. A multicentre study. Vandenburg MJ, et al. **Br J Clin Pract** 1984 Nov–Dec;38(11–12):403–6

A comparison of naproxen and diclofenac sodium in the treatment of osteoarthritis in elderly patients. Vetter G. **Br J Clin Pract** 1985 Jul;39(7):276–81

Effects of clonidine and guanfacine in essential hypertension. Farsang C, et al. **Clin Pharmacol Ther** 1984 Nov; 36(5):588–94

Clonidine and guanfacine in hypertension. Jain AK, et al. **Clin Pharmacol Ther** 1985 Mar;37(3):271–6

Comparison of once–daily guanfacine and twice–a–day methyldopa in the treatment of mild to moderate hypertension. Farooki MS, et al. **Clin Ther** 1985; 7(2):199–204

Systemic and cardiac haemodynamic interactions between guanfacine and hydrallazine in hypertensive patients. Velasco M, et al. **Eur J Clin Pharmacol** 1984;27(4):393–6

Long–term treatment of rheumatoid arthritis with fenclofenac or gold: a controlled, single blind trial comparing clinical and biochemical parameters. Lund B, et al. **Eur J Rheumatol Inflamm** 1983;6(3):279–87

Comparison of antihypertensive activity and tolerability of guanfacine and methyldopa. Malini PL, et al. **Int J Clin Pharmacol Res** 1983;3(1):35–9

Voltaren as an analgesic after surgical removal of a lower wisdom tooth. Henrikson PA, et al. **Int J Oral Surg** 1985 Aug;14(4):333–8

Ionization with diclofenac sodium in rheumatic disorders: a double–blind placebo–controlled trial. Vecchini L, et al. **J Int Med Res** 1984;12(6):346–50

[Guanfacine (Estulic) in the monotherapy of essential hypertension, grades I and II, according to WHO] Mayer K, et al. **Cas Lek Cesk** 1984 Oct 26;123(43):1306–11 (Eng. Abstr.) **(Cze)**

[Treatment of chronic polyarthritis with diclofenac. Crossover study with a new preparation form in comparison to the standard preparation] Eberhardt R, et al. **Fortschr Med** 1985 Mar 21;103(11):305–8 (Eng. Abstr.) **(Ger)**

[Efficacy and tolerance of dexindoprofen compared with diclofenac sodium in the treatment of osteoarthrosis patients] Fornasari PA, et al. **Clin Ter** 1985 Apr 30; 113(2):125–33 (Eng. Abstr.) **(Ita)**

[Treatment of ureteral colic with sodium diclofenac] Fugazza L, et al. **Clin Ter** 1985 Jan 15;112(1):21–3 (Eng. Abstr.) **(Ita)**

[Treatment of postoperative pain. Double–blind comparison of diclofenac and pentazocine] Bossi L, et al. **Minerva Anestesiol** 1984 Jul–Aug;50(7–8):373–8 (Eng. Abstr.) **(Ita)**

[Single–blind comparative study of lysine acetylsalicylate, indoprofen and sodium diclofenac in post–operative pain] Stobbia GF, et al. **Minerva Anestesiol** 1984 May;50(5):213–7 (Eng. Abstr.) **(Ita)**

[Long–term evaluation of the effect of sodium diclofenac used in direct pulp capping] Deli R, et al. **Minerva Stomatol** 1984 Jul–Aug;33(4):689–95 (Eng. Abstr.) **(Ita)**

[Treatment of arterial hypertension with a single daily dose of guanfacine] Jardim PC, et al. **Arq Bras Cardiol** 1984 Nov;43(5):365–9 (Eng. Abstr.) **(Por)**

[Double–blind assay of a new hypotensive agent of central action, guanfacine, compared with alpha–methyldopa] Jiménez Casado M, et al. **Rev Clin Esp** 1984 Jul 15–31; 174(1–2):41–4 (Eng. Abstr.) **(Spa)**

TOXICITY

Comparison of occult blood loss caused by pirazolac and diclofenac sodium: a double–blind crossover study. Bown RL, et al. **Curr Med Res Opin** 1985;9(8):548–51

URINE

Two–dimensional high–performance liquid chromatographic determination of 5–hydroxyindoleacetic acid and homovanillic acid in urine. Anderson GM, et al. **Anal Biochem** 1985 Jan;144(1):27–31

Assessment of the diurnal variations in urinary homovanillic and vanillylmandelic acid excretion for the diagnosis and follow-up of patients with neuroblastoma. Tuchman M, et al. **Clin Biochem** 1985 Jun;18(3):176-9

Measurement of urinary vanilmandelic acid and homovanillic acid by high-performance liquid chromatography with electrochemical detection following extraction by ion-exchange and ion-moderated partition. Binder SR, et al. **J Chromatogr** 1984 Dec 7;336(1):173-88

Direct determination of urinary vanillylmandelic acid and homovanillic acid by high-performance liquid chromatography on an anion-exchange column. Kodama K, et al. **J Chromatogr** 1984 Nov 28;311(2):369-74

Assay of urinary phenylacetic acid by high-performance liquid chromatography. Pennings EJ, et al. **J Chromatogr** 1985 May 31;341(1):172-5

Analysis of vanillylmandelic acid, homovanillic acid and 5-hydroxyindoleacetic acid in human urine by high-performance liquid chromatography and fluorometry. Wielders JP, et al. **J Chromatogr** 1984 Oct 12;310(2):379-85

Increased dopamine production in patients with carcinoid tumors. Feldman JM. **Metabolism** 1985 Mar;34(3):255-60

Value of random urinary homovanillic acid and vanillylmandelic acid levels in the diagnosis and management of patients with neuroblastoma: comparison with 24-hour urine collections. Tuchman M, et al. **Pediatrics** 1985 Feb;75(2):324-8

Analysis of vanillylmandelic and homovanillic acids in urine using solid phase sample preparation and high pressure liquid chromatography with electrochemical detection. Bremmelgaard A. **Scand J Clin Lab Invest** 1985 Sep; 45(5):387-91

Gut flora and urinary phenylacetic acid [letter] Hryhorczuk LM, et al. **Science** 1984 Nov 23;226(4677):996

[Relation between auditory evoked potentials (presence, amplitude) during sound and light conditioning and levels of dopamine derivatives in infantile autism] Martineau J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Nov; 14(2):139-48 (Eng. Abstr.) **(Fre)**

[Circadian rhythm of 3-methoxy-4-hydroxymandelic acid and 3-methoxy-4-hydroxyphenylacetic acid in the urine] Vorbrodt B, et al. **Pharmazie** 1985 Apr;40(4):264-6 (Eng. Abstr.) **(Ger)**

PHENYLALANINE

Syntheses of 5-phenyl-2-pyridinamine, a possibly carcinogenic pyrolysis product of phenylalanine, and some of its putative metabolites. Stavenuiter JF, et al. **Carcinogenesis** 1985 Jan;6(1):13-9

Nuclear magnetic resonance analyses of side chain conformations of histidine and aromatic amino acid derivatives. Solvent and pH dependence. Kobayashi J, et al. **Int J Pept Protein Res** 1984 Jul;24(1):40-7

ADMINISTRATION & DOSAGE

The effect of a phenylalanine and tyrosine restricted diet on elemental balance studies and plasma aminograms of patients with disseminated malignant melanoma. Lawson DH, et al. **Am J Clin Nutr** 1985 Jan;41(1):73-84

Maternal phenylketonuria and phenylalanine restricted diet. Studies of 7 pregnancies and of offsprings produced. Murphy D, et al. **Ir J Med Sci** 1985 Feb;154(2):66-70

Dietary supplements of phenylalanine and other amino acid precursors of brain neuroamines in the treatment of depressive disorders. Kravitz HM, et al. **J Am Osteopath Assoc** 1984 Sep;84(1 Suppl):119-23

Enhancement of bioavailability of cinnarizine from its beta-cyclodextrin complex on oral administration with DL-phenylalanine as a competing agent. Tokumura T, et al. **J Pharm Sci** 1985 Apr;74(4):496-7

Modulation of peroxidation in murine melanoma by dietary tyrosine-phenylalanine restriction, levodopa methylester chemotherapy, and sodium ascorbate supplementation. Pierson HF, et al. **JNCI** 1985 Sep;75(3):507-16

Loss of intellectual function in children with phenylketonuria after relaxation of dietary phenylalanine restriction. Seashore MR, et al. **Pediatrics** 1985 Feb;75(2):226-32

ANALOGS & DERIVATIVES

1-Amino-2-phenylethylphosphonic acid: an inhibitor of L-phenylalanine ammonia-lyase in vitro. Janas KM, et al. **Acta Biochim Pol** 1985;32(2):131-43

Stability of the complex formed between french bean (Phaseolus vulgaris) phenylalanine ammonia-lyase and its transition-state analog. Jones DH, et al. **Arch Biochem Biophys** 1984 Nov 15;235(1):167-77

Abilities of some tryptophan and phenylalanine derivatives to inhibit gastric acid secretion. Magous R, et al. **Biochim Biophys Acta** 1985 May 30;845(2):158-62

Kinetics of hydrolysis of amide and anilide substrates of p-guanidino-L-phenylalanine by bovine and porcine trypsins. Tsunematsu H, et al. **J Biochem (Tokyo)** 1985 Feb; 97(2):617-23

Studies on the mechanism for renal elimination of N-acetylphenylalanine: its pathophysiologic significance in phenylketonuria. Okajima K, et al. **J Lab Clin Med** 1985 Jan;105(1):132-8

Antiinflammatory activity of N-(2-benzoylphenyl)alanine derivatives. Walsh DA, et al. **J Med Chem** 1984 Oct; 27(10):1317-21

Absorption by the rhesus monkey of phenylalanine methyl ester and species differences in its metabolism by blood, plasma and intestinal mucosa. Burton EG, et al. **J Nutr** 1984 Oct;114(10):1940-5

Structure-activity relationships among substituted N-benzoyl derivatives of phenylalanine and its analogues in a microbial antitumor prescreen III: derivatives of p-fluoro-DL-phenylalanine. Otani TT, et al. **J Pharm Sci** 1985 Jan;74(1):40-3

[Effect of phosphate and inhibitors of protein synthesis on the growth and tentoxin production of Alternaria alternata (Fr.) Keissler] Edel B, et al. **J Basic Microbiol** 1985; 25(3):155-60 (Eng. Abstr.) **(Ger)**

[Synthesis of N-alpha-benzyloxycarbonyl-4-amidinophenylalanine amides as thrombin inhibitors] Voigt B, et al. **Pharmazie** 1985 May;40(5):305-6 (Eng. Abstr.) **(Ger)**

[Synthesis of N alpha-(arylsulfonylglycylglycyl)-4-amidinophenylalanine amides as thrombin inhibitors] Voigt B, et al. **Pharmazie** 1984 Jun;39(6):379-81 (Eng. Abstr.) **(Ger)**

ANALYSIS

Identification of peptides containing tryptophan, tyrosine, and phenylalanine using photodiode-array spectrophotometry. Yang CY, et al. **Anal Biochem** 1985 Feb 15;145(1):67-72

[The micelle catalysis of cetyltrimethyl ammonium bromide on phenylalanine arylation by 2,4-dinitrofluorobenzene] Kottke D, et al. **Pharmazie** 1985 Jun;40(6):395-7 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Functional domains involved in aromatic amino acid biosynthesis. Coggins JR, et al. **Biochem Soc Trans** 1985 Apr;13(2):299-303

Absolute dependence of phenylalanine and tyrosine biosynthetic enzyme on tryptophan in Candida maltosa. Bode R, et al. **Hoppe Seylers Z Physiol Chem** 1984 Jul; 365(7):799-803

Regulation of phenylalanine biosynthesis in Rhodotorula glutinis. Fiske MJ, et al. **J Bacteriol** 1984 Nov;160(2):676-81

Clues from Xanthomonas campestris about the evolution of aromatic biosynthesis and its regulation. Whitaker RJ, et al. **J Mol Evol** 1984-85;21(2):139-49

BLOOD

Effect of cocaine dependence on plasma phenylalanine and tyrosine levels and on urinary MHPG excretion. Tennant FS Jr. **Am J Psychiatry** 1985 Oct;142(10):1200-1

Amino acid depletion in the blood and brain tissue of hyperphenylalaninemic rats is abolished by the administration of additional lysine: a contribution to the understanding of the metabolic defects in phenylketonuria. Huether G, et al. **Biochem Med** 1985 Jun;33(3):334-41

Phenylalanine analyses of blood-spot control materials: preparation of samples and evaluation of interlaboratory performance. Spierto FW, et al. **Clin Chem** 1985 Feb; 31(2):235-8

Quantification of phenylalanine in serum with a centrifugal analyzer [letter] Welch CL, et al. **Clin Chem** 1985 May; 31(5):785-6

Oral versus intravenous L-phenylalanine loading compared by simultaneous application of L-[2H5] and L-[15N]phenylalanine. Lehmann WD, et al. **Clin Chim Acta** 1985 Apr 30;147(3):261-6

Abnormal phenylalanine hydroxylation and tyrosine oxidation in a patient with acute fulminant liver disease with correction by liver transplantation. Hehir DJ, et al. **Gastroenterology** 1985 Sep;89(3):659-63

Biochemical and neuropsychological effects of elevated plasma phenylalanine in patients with treated phenylketonuria. A model for the study of phenylalanine and brain function in man. Krause W, et al. **J Clin Invest** 1985 Jan;75(1):40-8

Neonatal hyperphenylalaninemia presumably caused by guanosine triphosphate-cyclohydrolase deficiency. Dhondt JL, et al. **J Pediatr** 1985 Jun;106(6):954-6

Intelligence and personality characteristics in adults with untreated atypical phenylketonuria and mild hyperphenylalaninemia. Waisbren SE, et al. **J Pediatr** 1984 Dec;105(6):955-8

Effect of hemodialysis on plasma and erythrocyte phenylalanine levels in end-stage kidney patients. Stepniewski M, et al. **Nephron** 1985;39(3):189-93

Differential diagnosis and treatment of hyperphenylalaninaemia. Bickel H. **Prog Clin Biol Res** 1985;177:93-107

[Thin-layer chromatographic and fluorometric determination of the ratio of serum free branched chain amino acids to aromatic amino acids] Li LQ. **Chung Hua I Hsueh Tsa Chih** 1985 May;65(5):298-301 **(Chi)**

[Screening for raised serum phenylalanine levels in women of reproductive age in Volendam] Oorthuys JW, et al. **Ned Tijdschr Geneeskd** 1985 Jan 12;129(2):62-5 (Eng. Abstr.) **(Dut)**

[In vitro synthesis of tyrosine from phenylalanine in human platelets] Uebelhack R, et al. **Biomed Biochim Acta** 1984; 43(7):1037-9 **(Ger)**

[Sensitivity of phenylketonuria screening] Machill G, et al. **Kinderarztl Prax** 1984 Jul;52(7):347-50 (Eng. Abstr.) **(Ger)**

[Method of eliminating inhibition by antibiotics in the Guthrie test for phenylketonuria] Bracco G, et al. **Pathologica** 1983; 75 Suppl:72-4 **(Ita)**

GENETICS

Nucleotide sequence and transcription of the phenylalanine and tyrosine operons of Escherichia coli K12. Hudson GS, et al. **J Mol Biol** 1984 Dec 25;180(4):1023-51

METABOLISM

Phenylalanine metabolites, attention span and hyperactivity. Michals K, et al. **Am J Clin Nutr** 1985 Aug;42(2):361-5

Electrochemical proton gradient of Brevibacterium linens and its relationship to phenylalanine transport. Boyaval P, et al. **Ann Microbiol (Paris)** 1984 Jul-Aug;135B(1):91-9

L-Phenylalanine and L-tyrosine catabolism by selected Streptomyces species. Pometto AL 3d, et al. **Appl Environ Microbiol** 1985 Mar;49(3):727-9

The effect of experimental diabetes on phenylalanine metabolism in isolated liver cells. Santana MA, et al. **Biochem J** 1985 Apr 1;227(1):169-75

The metabolism of L-phenylalanine and L-tyrosine by liver cells isolated from adrenalectomized rats and from streptozotocin-diabetic rats. Stanley JC, et al. **Biochem J** 1985 May 15;228(1):249-55

Relationship between phenylalanine tolerance and psychological characteristics of phenylketonuric families. Fisch RO, et al. **Biochem Med** 1985 Apr;33(2):236-45

Mechanism of activation of phenylalanine and synthesis of P1, P4-bis(5'-adenosyl) tetraphosphate by yeast phenylalanyl-tRNA synthetase. Harnett SP, et al. **Biochemistry** 1985 Jun 4;24(12):2908-15

Fast kinetic study of yeast phenylalanyl-tRNA synthetase: role of tRNAPhe in the discrimination between tyrosine and phenylalanine. Lin SX, et al. **Biochemistry** 1984 Aug 28;23(18):4109-16

Thermodynamic linkages in rabbit muscle pyruvate kinase: analysis of experimental data by a two-state model. Oberfelder RW, et al. **Biochemistry** 1984 Aug 14; 23(17):3822-6

Spectroscopic investigation of ligand interaction with hepatic phenylalanine hydroxylase: evidence for a conformational change associated with activation. Phillips RS, et al. **Biochemistry** 1984 Aug 14;23(17):3836-42

The effect of the intracellular sodium level on the activity of amino acid transport systems L and A in SV40 3T3 cells. Petronini PG, et al. **Biochim Biophys Acta** 1985 May 28;815(3):361-8

The determination of flux through phenylalanine hydroxylase and homogentisate oxidase in isolated hepatocytes. Fisher MJ, et al. **Biosci Rep** 1984 Oct;4(10):835-41

Hydroxylation of phenylalanine by the hypoxanthine-xanthine oxidase system. Ishimitsu S, et al. **Chem Pharm Bull (Tokyo)** 1984 Nov;32(11):4645-9

Covalent modification of phenylalanyl-tRNA synthetase with phenylalanine during the amino acid activation reaction catalyzed by the enzyme. Rapaport E, et al. **J Biol Chem** 1985 Aug 15;260(17):9509-12

Placental transfer of phenylalanine in Macaca mulatta and Macaca fascicularis. Pueschel SM, et al. **J Med Primatol** 1983;12(5):256-61

Effect of hyperammonemia and methionine sulfoximine on the kinetic parameters of blood-brain transport of leucine and phenylalanine. Jonung T, et al. **J Neurochem** 1985 Jul; 45(1):308-18

The nutritive value and safety of D-phenylalanine and D-tyrosine in mice. Friedman M, et al. **J Nutr** 1984 Nov; 114(11):2089-96

Phenylalanine and tyrosine requirements of immature beagle dogs. Milner JA, et al. **J Nutr** 1984 Dec;114(12):2212-6

Self-selection of phenylalanine in the rat. Yamamoto Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Jun;30(3):273-83

The effects of salicylate on the rectal absorption of phenylalanine and some peptides, and the effects of these peptides on the rectal absorption of cefoxitin and cefmetazole. Nishihata T, et al. **J Pharm Sci** 1984 Sep; 73(9):1326-8

Developmental changes of cerebral phenylalanine uptake from severely elevated blood levels. Greengard O, et al. **Neurochem Res** 1984 Jun;9(6):837-48

PHARMACODYNAMICS

Ochratoxin A-induced teratogenesis in rats: partial protection by phenylalanine. Mayura K, et al. **Appl Environ Microbiol** 1984 Dec;48(6):1186-8

Effects of phenylalanine on phenylalanine hydroxylase separation and stability. Crawford RD, et al. **Biochem Med** 1985 Feb;33(1):90-8

Thermodynamic linkages in rabbit muscle pyruvate kinase: kinetic, equilibrium, and structural studies. Oberfelder RW, et al. **Biochemistry** 1984 Aug 14;23(17):3813-21

Growth inhibition of Neisseria gonorrhoeae isolates by L-phenylalanine and its analogues in defined media. Hendry AT, et al. **Can J Microbiol** 1984 Nov; 30(11):1319-25

Lack of interaction between methionine enkephalin and D-phenylalanine on nociceptive and non-nociceptive responses of dorsal horn neurones of the cat. Zhao ZQ, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):205-10

The role of phosphoenolpyruvate in insulin secretion: the effect of L-phenylalanine. Chatterton TA, et al.

PUBLIC LIBRARY

Experientia 1984 Dec 15;40(12):1426–7

Inhibition of protein synthesis in mice by ochratoxin A and its prevention by phenylalanine. Creppy EE, et al. **Food Chem Toxicol** 1984 Nov;22(11):883–6

The effect of phenylalanine on the electrical properties of proximal tubule cells in the frog kidney. Messner G, et al. **Pflugers Arch** 1985 May;404(2):138–44

The effect of phenylalanine on intracellular pH and sodium activity in proximal convoluted tubule cells of the frog kidney. Messner G, et al. **Pflugers Arch** 1985 May; 404(2):145–9

L-Alanine and L-phenylalanine activate Na+ and K+ conductance pathways in the exocrine mouse pancreas. Singh J. **Pflugers Arch** 1984 Oct;402(2):176–84

Analysis and the effects of some drugs on the metabolism of phenylethylamine and phenylacetic acid. McQuade PS. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):607–14

Reduction of ochratoxin A toxicity in mice treated with phenylalanine and phenobarbital. Moroi K, et al. **Toxicol Lett** 1985 Apr;25(1):1–5

RADIATION EFFECTS

Radiation-induced crosslinks between thymine and phenylalanine. Dizdaroglu M, et al. **Int J Radiat Biol** 1985 Jan;47(1):63–9

Stereoselectivity of X-irradiated amino acid enantiomers in H218O aqueous solution. Wiezorek C. **Int J Radiat Biol** 1984 Sep;46(3):233–40

Binding site specificity of gamma-radiation-induced crosslinking between phenylalanine and a phenylalanine-containing tetrapeptide. Kim HJ, et al. **Radiat Res** 1984 Oct;100(1):30–40

SUPPLY & DISTRIBUTION

The availability of D-phenylalanine and DL-phenylalanine [letter] Lofft JG, et al. **Am J Psychiatry** 1985 Feb; 142(2):269–70

THERAPEUTIC USE

Phenylalanine and UVA light for the treatment of vitiligo. Cormane RH, et al. **Arch Dermatol Res** 1985;277(2):126–30

L-phenylalanine [letter] Simonson M. **J Clin Psychiatry** 1985 Aug;46(8):355

D-Amino acids influence ultrasonic calling in mice pups: effects of D-phenylalanine and D-leucine. Albonetti ME, et al. **Neurosci Lett** 1985 Jun 24;57(3):233–6

Amino acid precursors for the treatment of attention deficit disorder, residual type. Wood DR, et al. **Psychopharmacol Bull** 1985;21(1):146–9

TOXICITY

The effects of phenylalanine on cultured rat embryos. Walsh DA, et al **Teratogenesis Carcinog Mutagen** 1984; 4(6):505–13

PHENYLALANINE AMMONIA-LYASE see under **AMMONIA-LYASES**

PHENYLALANINE HYDROXYLASE

Studies on the primary structure of rat liver phenylalanine hydroxylase. Iwaki M, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):922–32

Reduced 6,6,8-trimethylpterins. Preparation, properties and enzymic reactivities with dihydropteridine reductase, phenylalanine hydroxylase and tyrosine hydroxylase. Randles D, et al. **Eur J Biochem** 1985 Jan 15;146(2):467–74

ANALYSIS

Phenylalanine hydroxylase isozymes in regenerating liver: effects of diet and age. Crawford RD, et al. **Biochem Med** 1985 Feb;33(1):77–89

Comparison of different methods for the determination of phenylalanine hydroxylase activity in rat liver and Euglena gracilis. Fink RM, et al. **Z Naturforsch [C]** 1984 Jul–Aug; 39(7–8):728–33

ANTAGONISTS & INHIBITORS

3,4-dihydroxystyrene, a novel microbial inhibitor for phenylalanine hydroxylase and other pteridine-dependent monooxygenases. Koizumi S, et al. **Biochim Biophys Acta** 1984 Sep 11;789(2):111–8

Studies on the possible mechanism of inactivation of phenylalanine hydroxylase by destructive oxygen species. Fink RM, et al. **Z Naturforsch [C]** 1984 Jul–Aug; 39(7–8):734–7

BLOOD

Studies of phenylalanine hydroxylase activity in patients with chronic renal failure: the effect of haemodialysis. Stonier C, et al. **Clin Chim Acta** 1984 Nov 15;143(2):115–22

GENETICS

Phenylalanine hydroxylase and isozymes of 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase in relationship to the phylogenetic position of Pseudomonas acidovorans (Ps. sp. ATCC 11299a). Berry A, et al. **Arch Microbiol** 1985 Feb;141(1):32–9

Nucleotide sequence of a full-length complementary DNA clone and amino acid sequence of human phenylalanine hydroxylase. Kwok SC, et al. **Biochemistry** 1985 Jan 29; 24(3):556–61

Sequence comparison of rat liver phenylalanine hydroxylase and its cDNA clones. Robson KJ, et al. **Biochemistry** 1984 Nov 20;23(24):5671–5

The possibility for prenatal diagnosis of PKU by linkage analyses based on phenylalanine hydroxylase locus specific DNA-polymorphisms. Woo SL, et al. **J Inherited Metab Dis** 1984;7 Suppl 2:139–40

Detection of phenylalanine hydroxylase messenger RNA in liver biopsy samples from patients with phenylketonuria [letter] DiLella AG, et al. **Lancet** 1985 Jan 19;1(8421):160–1

Regional mapping of the phenylalanine hydroxylase gene and the phenylketonuria locus in the human genome. Lidsky AS, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6221–5

The human phenylalanine hydroxylase gene. Woo SL, et al. **Prog Clin Biol Res** 1985;177:123–35

Gene transfer and expression of human phenylalanine hydroxylase. Ledley FD, et al. **Science** 1985 Apr 5; 228(4695):77–9

Amplification and expression of phenylalanine hydroxylase in mouse erythroleukemia cells. Brown RM, et al. **Somatic Cell Mol Genet** 1985 May;11(3):203–9

ISOLATION & PURIFICATION

Phenylalanine hydroxylase. Evidence that the enzyme from human liver might not be a phosphoprotein. Abita JP, et al. **Biochem Int** 1983 Dec;7(6):727–37

Effects of phenylalanine on phenylalanine hydroxylase separation and stability. Crawford RD, et al. **Biochem Med** 1985 Feb;33(1):90–8

METABOLISM

On the mechanism of action of phenylalanine hydroxylase. Benkovic S, et al. **Biochem Soc Trans** 1985 Apr;13(2):436–8

Regulatory properties of phenylalanine, tyrosine and tryptophan hydroxylases. Kaufman S. **Biochem Soc Trans** 1985 Apr;13(2):433–6

Phenylalanine hydroxylase: metabolic aspects. Pogson CI, et al. **Biochem Soc Trans** 1985 Apr;13(2):439–41

Phenylalanine hydroxylase: absolute configuration and source of oxygen of the 4a-hydroxytetrahydropterin species. Dix TA, et al. **Biochemistry** 1985 Jun 4; 24(12):2955–8

Spectroscopic investigation of ligand interaction with hepatic phenylalanine hydroxylase: evidence for a conformational change associated with activation. Phillips RS, et al. **Biochemistry** 1984 Aug 14;23(17):3836–42

The determination of flux through phenylalanine hydroxylase and homogentisate oxidase in isolated hepatocytes. Fisher MJ, et al. **Biosci Rep** 1984 Oct;4(10):835–41

Some aspects of the phosphorylation of phenylalanine 4-monooxygenase by a calcium-dependent and calmodulin-dependent protein kinase. Døskeland AP, et al. **Eur J Biochem** 1984 Nov 15;145(1):31–7

The activation of rat liver phenylalanine hydroxylase by limited proteolysis, lysolecithin, and tocopherol phosphate. Changes in conformation and catalytic properties. Abita JP, et al. **J Biol Chem** 1984 Dec 10;259(23):14560–6

PHENYLALANINE MUSTARD see **MELPHALAN**

PHENYLALANYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

PHENYLAMINES see **ANILINE COMPOUNDS**

PHENYLBARBITAL see **PHENOBARBITAL**

PHENYLBUTAZONE

Phenylbutazone [letter] Mansfield P. **Med J Aust** 1985 Sep 2;143(5):219–20

ADMINISTRATION & DOSAGE

[Bioequivalence of phenylbutazone preparations following a single intramuscular administration] Weyhenmeyer R, et al. **Arzneimittelforsch** 1984;34(6):721–3 (Eng. Abstr.) **(Ger)**

[Method of treating aneurysmal bone cysts] Krisiuk AP, et al. **Ortop Travmatol Protez** 1984 Nov;(11):59–62 **(Rus)**

[Effectiveness of early antibacterial treatment combined with butadion in patients with Q fever] Terent'ev VF. **Vrach Delo** 1985 Apr;(4):110–2 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Phenylbutazone-induced systemic vasculitis with crescentic glomerulonephritis. Leung AC, et al. **Arch Intern Med** 1985 Apr;145(4):685–7

Renal papillary necrosis in equines. Faulkner LW, et al. **Bull Environ Contam Toxicol** 1984 Oct;33(4):379–81

Phenylbutazone, oxyphenbutazone labeling revised. **FDA Drug Bull** 1984 Dec;14(3):23–4

Drug interaction between chlorpropamide and non-steroidal anti-inflammatory drugs, ibuprofen and phenylbutazone. Shah SJ, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Sep;22(9):470–2

Butazones under fire [letter] Herxheimer A, et al. **Lancet** 1985 Mar 9;1(8428):580

Anti-inflammatory drugs under fire. Loshak D. **Lancet** 1985 Feb 16;1(8425):410

Phenylbutazone off benefits list [letter] Auerbach E. **Med J Aust** 1984 Aug 18;141(4):261–2

Photosensitive erythema multiforme apparently induced by phenylbutazone. Leroy D, et al. **Photodermatol** 1985 Jun; 2(3):176–7

Dangers of isopyrine-phenylbutazone [letter] te Water WF. **S Afr Med J** 1985 May 17;67(20):794

Drug induced toxic epidermal necrolysis. Fong PH, et al. **Singapore Med J** 1984 Jun;25(3):184–6

ANALOGS & DERIVATIVES

The influence of aluminium hydroxide on the bioavailability of feprazone. Single dose study. Spahn H, et al. **Arzneimittelforsch** 1985;35(1):167–9

Pharmacokinetics of [4-14C] mofebutazone after oral administration in man. Kassem MA, et al. **Eur J Drug Metab Pharmacokinet** 1984 Jul–Sep;9(3):223–7

[Comparative studies on the bioavailability of various drug forms of phenylbutazone and clofezone (Perclusone)] Reinicke C, et al. **Pharmazie** 1984 Dec;39(12):824–7 (Eng. Abstr.) **(Ger)**

[Kinetics of mofebutazone in plasma and synovial fluid] Kamp J, et al. **Z Rheumatol** 1984 Jul–Aug;43(4):179–81 (Eng. Abstr.) **(Ger)**

[Granulated feprazone in acute inflammatory pathology of the bronchial tree. Study in comparison to a serratiopeptidase] Alessandrini A, et al. **Clin Ter** 1985 May 31;113(4):275–80 (Eng. Abstr.) **(Ita)**

ANALYSIS

Autoxidation and hydrolysis kinetics of the sodium salt of phenylbutazone in aqueous solution. Fabre H, et al. **J Pharm Sci** 1984 Dec;73(12):1709–13

Stability-indicating assay for phenylbutazone: high-performance liquid chromatographic determination of hydrazobenzene and azobenzene in degraded aqueous phenylbutazone solutions. Fabre H, et al. **J Pharm Sci** 1984 Dec;73(12):1706–9

Kinetic study of the polymorphic transformations of phenylbutazone. Matsuda Y, et al. **J Pharm Sci** 1984 Oct; 73(10):1453–60

Chemical reaction, diffusion, and ionization model for dissolution of oxygen acids and carbon acids. Oravec PL, et al. **J Pharm Sci** 1985 Feb;74(2):175–9

Determination of phenylbutazone in tablets by nuclear magnetic resonance spectrometry. Stromberg R. **J Pharm Sci** 1984 Nov;73(11):1653–5

[Pressure-course events in the tabletting of phenylbutazone] Wenzel U, et al. **Pharmazie** 1984 Oct;39(10):693–4 (Eng. Abstr.) **(Ger)**

BLOOD

Plasma and serum concentrations of phenylbutazone and oxyphenbutazone in racing Thoroughbreds 24 hours after treatment with various dosage regimens. Soma LR, et al. **Am J Vet Res** 1985 Apr;46(4):932–8

Population distributions of phenylbutazone and oxyphenbutazone after oral and i.v. dosing in horses. Chay S, et al. **J Vet Pharmacol Ther** 1984 Dec;7(4):265–76

METABOLISM

Phenylbutazone and its metabolites in plasma and urine of thoroughbred horses: population distributions and effects of urinary pH. Houston T, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):136–49

Effect of feeding on the fate of orally administered phenylbutazone, trimethoprim and sulphadiazine in the horse. Bogan JA, et al. **Vet Rec** 1984 Dec 8;115(23):599–600

Pharmacokinetics of phenylbutazone in two age groups of ponies: a preliminary study. Lees P, et al. **Vet Rec** 1985 Mar 2;116(9):229–32

Metabolism of phenylbutazone in rats. Alexander DM, et al. **Xenobiotica** 1985 Feb;15(2):123–8

[Determination of the protein binding of drugs with continuous ultrafiltration. 7. Protein binding of phenylbutazone] Rehse K, et al. **Arch Pharm (Weinheim)** 1985 Jul;318(7):667–9 **(Ger)**

[Comparative studies on the bioavailability of various drug forms of phenylbutazone and clofezone (Perclusone)] Reinicke C, et al. **Pharmazie** 1984 Dec;39(12):824–7 (Eng. Abstr.) **(Ger)**

[Parameters influencing the clinical action of phenylbutazone ointments] Reuter H. **Pharmazie** 1984 Sep;39(9):616–7 **(Ger)**

PHARMACODYNAMICS

Effects of phenylbutazone and anabolic steroids on adrenal and thyroid gland function tests in healthy horses. Morris DD, et al. **Am J Vet Res** 1985 Feb;46(2):359–64

Differential effects of phenylbutazone and local anesthetics on nociception in the equine. Kamerling SG, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):35–41

Underestimation of albumin content by bromocresol green, induced by drug displacers and uremia. Calvo R, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Feb;23(2):76–8

Inactivation of prostaglandin H synthase and prostacyclin synthase by phenylbutazone. Requirement for peroxidative metabolism. Reed GA, et al. **Mol Pharmacol** 1985 Jan;

27(1):109-14

[Behavior of palatine tissue during abnormal palatogenesis in the mouse (Mus musculus)] Montenegro MA, et al. **Anat Histol Embryol** 1984 Sep;13(3):243-51 (Eng. Abstr.) **(Spa)**

POISONING

Experimentally induced phenylbutazone toxicosis in ponies: description of the syndrome and its prevention with synthetic prostaglandin E2. Collins LG, et al. **Am J Vet Res** 1985 Aug;46(8):1605-15

STANDARDS

Phenylbutazone off benefits list [letter] Smith GL. **Med J Aust** 1984 Oct 13;141(8):551-2

THERAPEUTIC USE

Anti-inflammatory drugs in experimental atherosclerosis. Part 6. Combination therapy with steroid and non-steroid agents. Bailey JM, et al. **Atherosclerosis** 1985 Feb; 54(2):205-12

Mollaret's meningitis responding to phenylbutazonum. A case report. Limburg M, et al. **Clin Neurol Neurosurg** 1985; 87(2):127-30

The effect of phenylbutazone on acute hemorrhagic pancreatitis in the rat. Louagie Y, et al. **Int Surg** 1984 Jul-Sep;69(3):265-70

Isopyrin-phenylbutazone for intractable migraine [letter] **S Afr Med J** 1985 Jan 19;67(3):78-9

TOXICITY

Effect of nicotine and caffeine pretreatment on the gastric mucosal damage induced by aspirin, phenylbutazone, and reserpine in rats. Tariq M, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):268-73

URINE

Effect of diuresis on urinary excretion and creatinine clearance in the horse. Gronwall R. **Am J Vet Res** 1985 Aug;46(8):1616-8

Effects of phenylbutazone and oxyphenbutazone on basic drug detection in high performance thin layer chromatographic systems. Woods WE, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):181-9

PHENYLBUTYRATES

ADMINISTRATION & DOSAGE

Microthrombus formation on hemodialysis membranes: a placebo controlled randomized trail of two doses of Indobufen. Salter MC, et al. **Clin Nephrol** 1985 Jul; 24(1):31-6

METABOLISM

A radiochemical assay method for carboxylesterase, and comparison of enzyme activity towards the substrates methyl [1-14C] butyrate and 4-nitrophenyl butyrate. Sterri SH, et al. **Biochem Pharmacol** 1985 Aug 1;34(15):2779-85

Indobufen interacts with the sulphonylurea, glipizide, but not with the beta-adrenergic receptor antagonists, propranolol and atenolol. Elvander-Ståhl E, et al. **Br J Clin Pharmacol** 1984 Nov;18(5):773-8

PHARMACODYNAMICS

Inhibitory activity of indobufen (*) on platelet aggregation in vivo. Bergamaschi M, et al. **Pharmacol Res Commun** 1984 Oct;16(10):979-85

Inhibition of platelet function with indobufen: correlation with plasma drug level. Crow MJ, et al. **Thromb Res** 1985 May 1;38(3):303-6

PHENYLCARBAMIDES see **PHENYLUREA COMPOUNDS**

PHENYLENEDIAMINES

Photomicrography of weakly fluorescent objects--employment of p-phenylene diamine as a blocker of fading. Storz H, et al. **Acta Histochem (Jena)** 1984; 75(2):133-9

An improved mounting medium for immunofluorescence microscopy [letter] Balaton AJ, et al. **Arch Pathol Lab Med** 1985 Feb;109(2):108

ADVERSE EFFECTS

Erythema multiforme associated with contact dermatitis. Friedman SJ, et al. **Contact Dermatitis** 1985 Jan;12(1):21-3

Unexpected cause of IPPD sensitivity. Shaw S, et al. **Contact Dermatitis** 1984 Oct;11(4):258

Contact urticaria from paraphenylenediamine. Temesvari E. **Contact Dermatitis** 1984 Aug;11(2):125

ANALYSIS

Electron capture detection-gas chromatographic determination of diaminotoluenes in polyurethane foam as heptafluorobutyryl derivatives. Hirayama T, et al. **J Assoc Off Anal Chem** 1985 Jul-Aug;68(4):746-8

CHEMICAL SYNTHESIS

[Air flow thermodestruction of chemicals produced on the basis of aromatic polyamines] Poddubnaia LT. **Gig Sanit** 1985 Jan;(1):25-8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Idiopathic photodermatitis with a positive paraphenylenediamine photopatch test. LeVine MJ. **Arch Dermatol** 1984 Nov;120(11):1488-90

Optic neuritis or ophthalmic artery aneurysm? Case presentation with histopathologic documentation utilizing a new staining method. Sadun AA, et al. **J Clin Neuro Ophthalmol** 1984 Dec;4(4):265-73

An application of the high-iron diamine staining for detection of sulfated glycoproteins (glycopeptides) in electrophoresis on cellulose acetate membrane. Munakata H, et al. **Tohoku J Exp Med** 1985 Mar;145(3):251-7

METABOLISM

In vitro enhancement of the mutagenicity of 4-nitro-o-phenylenediamine by plant S-9. Gentile JM, et al. **Environ Mutagen** 1985;7(1):73-85

Stabilization of the substrate reaction of horseradish peroxidase with o-phenylenediamine in the enzyme immunoassay. Porstmann T, et al. **J Clin Chem Clin Biochem** 1985 Jan;23(1):41-4

[Biological fate of N,N'-diphenyl-p-phenylenediamine] Umeniwa K, et al. **Yakugaku Zasshi** 1985 Jan;105(1):65-76 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Mutagens in rat urine after dermal application of 1,3-diaminobenzene. Clemmensen S, et al. **Mutat Res** 1984 Nov-Dec;138(2-3):137-43

THERAPEUTIC USE

Effectiveness of P-aminobenzoyl-O-phenylenediamine (Goe 1734) against mouse, rat, and human tumour cells. Lelieveld P, et al. **Cancer Chemother Pharmacol** 1985;15(1):88-90

Promethazine or DPPD pretreatment attenuates oleic acid-induced injury in isolated canine lungs. Townsley MI, et al. **J Appl Physiol** 1985 Jul;59(1):39-46

TOXICITY

Evaluation of the teratogenic potential of the oxidative dye N-phenyl-para-phenylenediamine. Picciano JC, et al. **Drug Chem Toxicol** 1984;7(2):167-76

Apparent correlation between structure and carcinogenicity of phenylenediamines and related compounds. Milman HA, et al. **Environ Health Perspect** 1984 Jun;56:261-73

[Hygienic establishment of the maximum permissible concentration of ortho-phenylenediamine and methylcyancarbamate dimer in the water of reservoirs] Galushka AI, et al. **Gig Sanit** 1985 Jun;(6):78-9 **(Rus)**

PHENYLEPHRINE

ADMINISTRATION & DOSAGE

A suitable substitute for 4% cocaine before blind nasotracheal intubation: 3% lidocaine-0.25% phenylephrine nasal spray. Gross JB, et al. **Anesth Analg** 1984 Oct;63(10):915-8

Induction of liver glycogenolysis by phenylephrine: comparison between superfusion and perfusion techniques. Leskovac V, et al. **Comp Biochem Physiol [C]** 1985; 80(2):371-4

ADVERSE EFFECTS

Feeding intolerance following ophthalmologic examination. Hermansen MC, et al. **Am J Dis Child** 1985 Apr; 139(4):367-8

Possible cardiovascular effects secondary to topical ophthalmic 2.5% phenylephrine [letter] Fraunfelder FT, et al. **Am J Ophthalmol** 1985 Mar 15;99(3):362-3

ANALOGS & DERIVATIVES

A comparison of the effects of salbutamol, etilefrine and dextran during hypotension and low cardiac output states in rabbit. Adigun SA, et al. **Clin Exp Pharmacol Physiol** 1984 Nov-Dec;11(6):627-43

Cardiovascular effects of etilefrine hydrochloride during abdominal aortic surgery. Retief LW, et al. **S Afr Med J** 1984 Oct 6;66(14):526-8

[Asymmetrical synthesis of (R)(-) and (S)(+)-etilefrine by enantioselective hydrogenation and the effects of enantiomers in an animal experiment] Knorr H, et al. **Arzneimittelforsch** 1984;34(12):1709-13 (Eng. Abstr.) **(Ger)**

ANALYSIS

Simultaneous liquid chromatographic determination of glutaric acid, phenylephrine, and benzyl alcohol in a prototype nasal spray with application to di- and tricarboxylic acids. Wilson TD, et al. **J Pharm Sci** 1985 Mar;74(3):312-5

BLOOD

Fluorometric determination of phenylephrine hydrochloride by liquid chromatography in human plasma. Chien DS, et al. **J Pharm Sci** 1985 May;74(5):562-4

METABOLISM

Spline modeling of phenylephrine pharmacokinetics. Fadali MS, et al. **Biomed Sci Instrum** 1985;21:127-30

PHARMACODYNAMICS

Effect of alpha- and beta-receptor active drugs on corneal thickness. Nielsen CB, et al. **Acta Ophthalmol (Copenh)** 1985 Jun;63(3):351-4

The effect of phenylephrine on the accommodative process in man. Zetterström C. **Acta Ophthalmol (Copenh)** 1984 Dec;62(6):872-8

Systemic absorption and cardiovascular effects of phenylephrine eyedrops. Kumar V, et al. **Am J Ophthalmol** 1985 Feb 15;99(2):180-4

Sector pupil dilation with phenylephrine and tropicamide. Chang FW, et al. **Am J Optom Physiol Opt** 1985 Jul; 62(7):482-6

Differences between the effects of phenylephrine and other inotropic interventions on post-rest contraction in guinea-pig ventricular strips. Mantelli L, et al. **Arch Int Pharmacodyn Ther** 1984 Dec;272(2):225-35

The concurrent application of ophthalmic drops. Geyer O, et al. **Aust N Z J Ophthalmol** 1985 Feb;13(1):63-6

Effects of drug-induced changes in resting blood pressure on classically conditioned heart rate and blood pressure in restrained rats. Fitzgerald RD, et al. **Behav Neurosci** 1984 Oct;98(5):820-9

Hepatic thiol and glutathione efflux under the influence of vasopressin, phenylephrine and adrenaline. Sies H, et al. **Biochem J** 1985 Mar 1;226(2):545-9

The hepatic response to Ca2+ is inhibited by Mg2+ and enhanced by phenylephrine or ouabain. Becker J, et al. **Biochim Biophys Acta** 1985 Mar 21;844(3):352-8

Phospholipid metabolism in rat kidney cortical tubules. II. Effects of hormones on 32P incorporation. Wirthensohn G, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):401-10

Mydriatic drugs for diabetic patients. Huber MJ, et al. **Br J Ophthalmol** 1985 Jun;69(6):425-7

The effect of subarachnoid epinephrine and phenylephrine on spinal cord blood flow. Kozody R, et al. **Can Anaesth Soc J** 1984 Sep;31(5):503-8

Mechanisms concerned with blood pressure variability throughout the day. Conway J, et al. **Clin Exp Hypertens [A]** 1985;7(2-3):153-7

Adrenergic stimulation of adrenocortical secretion in immature fowl. Rees A, et al. **Comp Biochem Physiol [C]** 1985;81(2):387-9

Difference in the mechanism of action of alpha-adrenergic agonists and vasopressin or angiotensin II in stimulating hepatic glycogenolysis; a role of extracellular calcium concentration. Koide Y, et al. **Endocrinol Jpn** 1985 Feb; 32(1):103-12

Central effect of intravenous phenylephrine on baroreflex control of renal nerves. Imaizumi T, et al. **Hypertension** 1984 Nov-Dec;6(6 Pt 1):906-14

Non-contact tonometry and pupillary responses to topical phenylephrine and thymoxamine. Ramsden RJ, et al. **Int J Clin Pharmacol Res** 1985;5(3):213-4

The effect of a peripheral vasconstrictor drug on the systemic arterial oxygen saturation in Eisenmenger's syndrome. Blake S, et al. **Ir J Med Sci** 1984 Sep;153(9):319-20

Effect of prostaglandin F2 alpha, phenylephrine and ergonovine on uterine contractions in the ewe. Hawk HW, et al. **J Anim Sci** 1985 Feb;60(2):537-43

Response of nasal blood flow to neurohormones as measured by laser-Doppler velocimetry. Druce HM, et al. **J Appl Physiol** 1984 Oct;57(4):1276-83

Differential effects of phorbol ester on phenylephrine and vasopressin-induced Ca2+ mobilization in isolated hepatocytes. Cooper RH, et al. **J Biol Chem** 1985 Mar 25; 260(6):3281-8

The effects of alpha-adrenergic stimulation on the regulation of the pyruvate dehydrogenase complex in the perfused rat liver. Fisher RA, et al. **J Biol Chem** 1985 Aug 5; 260(16):9223-9

pH dependence of hormonal regulation of gluconeogenesis and urea synthesis from glutamine in suspensions of hepatocytes. Kashiwagura T, et al. **J Biol Chem** 1985 Jan 10;260(1):407-14

Effect of ketanserin on phenylephrine-dependent changes in splanchnic hemodynamics and systemic blood pressure in healthy subjects. Gasic S, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):219-23

Renal alpha 1- and alpha 2-adrenoceptor mediated vasoconstriction in dogs: comparison of phenylephrine, clonidine, and guanabenz. Wolff DW, et al. **J Cardiovasc Pharmacol** 1984;6 Suppl 5:S793-8

Endogenous opiates mediate cardiac sympathetic inhibition in response to a pressor stimulus in rabbits. Weinstock M, et al. **J Hypertens** 1984 Dec;2(6):639-46

Inhibitory effects of norepinephrine, methoxamine and phenylephrine on renin release from rat kidney cortical slices. Matsumura Y, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):782-7

The effects of oestrogens on spontaneous activity and responses to phenylephrine of the mammalian urethra. Callahan SM, et al. **J Physiol (Lond)** 1985 Jan;358:35-46

Effects of (-)-phenylephrine on force of contraction in the presence of cocaine and hydrocortisone in cat papillary muscle. Mügge A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Nov; 328(1):90-3

Phenylephrine-induced activity in mice as a model of central alpha 1-adrenoceptor function. Effects of acute and repeated administration of antidepressant drugs and electroconvulsive shock. Heal DJ. **Neuropharmacology** 1984 Nov;23(11):1241-51

Stimulation of phospholipid turnover by angiotensin II and phenylephrine in proximal convoluted tubules microdissected from mouse nephron. Wirthensohn G, et al. **Pflugers Arch** 1985 May;404(1):94-6

[Effect of adrenaline and phenylephrine on milk extraction during the mechanical milking of cows] Bernabé J, et al. **Reprod Nutr Dev** 1985;25(2):379-88 (Eng. Abstr.) **(Fre)**

[Effects of dopamine, dobutamine and phenylephrine on the hepatic circulation and hepatic metabolism during halothane and non-halothane anesthesia] Matsumoto M, et al. **Masui** 1984 Aug;33(8):837-45 (Eng. Abstr.) **(Jpn)**

[The effect of prostaglandin E1 on CSFP and its interaction with vasopressor in humans] Saito S, et al. **Masui** 1984 Sep;33(9):947-52 (Eng. Abstr.) **(Jpn)**

[The role of the hypoxic mechanism in the radioprotective effect of mezaton] Orlovskiĭ AA, et al. **Radiobiologiia** 1985 Mar-Apr;25(2):230-4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Wolff-Parkinson-White syndrome. Termination of paroxysmal supraventricular tachycardia with phenylephrine. Jacobson L, et al. **Anaesthesia** 1985 Jul; 40(7):657-60

Comparison of high-dose epinephrine and phenylephrine in spinal anesthesia with tetracaine. Caldwell C, et al. **Anesthesiology** 1985 Jun;62(6):804-7

PHENYLETHANOLAMINE N-METHYLTRANSFERASE see **PHENETHANOLAMINE N-METHYLTRANSFERASE**

PHENYLETHYLAMINES see **PHENETHYLAMINES**

PHENYLETHYLMALONAMIDE see under **MALONATES**

PHENYLGLYOXAL see under **ALDEHYDES**

PHENYLHYDRAZINES

ADVERSE EFFECTS

Changes of activities of thymidylate synthetase and dihydrofolate reductase during phenylhydrazine-induced erythropoietic transformation of the mouse spleen. Panfil B, et al. **Acta Pol Pharm** 1984;41(6):703-7

ANALYSIS

[Rapid determination of agaritin in commercial mushrooms (Agaricus bisporus) with high performance liquid chromatography] Fischer B, et al. **Z Lebensm Unters Forsch** 1984 Sep;179(3):218-23 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Inhibitory effect of the flavonoid silymarin on the erythrocyte hemolysis induced by phenylhydrazine. Valenzuela A, et al. **Biochem Biophys Res Comman** 1985 Jan 31;126(2):712-8

PHARMACODYNAMICS

Role of free radical scavengers on phenylhydrazine induced hemolysis in rat. Imanishi H, et al. **Acta Vitaminol Enzymol** 1985;7(1-2):71-5

Protective effect of the flavonoid silybin dihemisuccinate on the toxicity of phenylhydrazine on rat liver. Valenzuela A, et al. **FEBS Lett** 1985 Feb 25;181(2):291-4

TOXICITY

Protective effect of the flavonoid silybin dihemisuccinate on the toxicity of phenylhydrazine on rat liver. Valenzuela A, et al. **FEBS Lett** 1985 Feb 25;181(2):291-4

[Oxyhemoglobin oxidation in mice exposed to sodium nitrite and phenylhydrazine (in vitro and in vivo)] Kostenko LKh, et al. **Izv Akad Nauk SSSR [Biol]** 1985 Jan-Feb;(1):141-5 (Eng. Abstr.) **(Rus)**

PHENYLISOHYDANTOIN see **PEMOLINE**

PHENYLISOPROPYLADENOSINE see under **ADENOSINE**

PHENYLKETONURIA

Impact of PKU on the reproductive patterns in collaborative study families. Burns JK, et al. **Am J Med Genet** 1984 Nov; 19(3):515-24

Experimental maternal phenylketonuria: an examination of two animal models. Loo YH, et al. **Dev Neurosci** 1983-84; 6(4-5):227-34

More on untreated maternal hyperphenylalaninemia [letter] Kirkman HN Jr, et al. **N Engl J Med** 1984 Oct 25; 311(17):1125-6

BLOOD

Biochemical and neuropsychological effects of elevated plasma phenylalanine in patients with treated phenylketonuria. A model for the study of phenylalanine and brain function in man. Krause W, et al. **J Clin Invest** 1985 Jan;75(1):40-8

Determination of aromatic amino acids by ion-pair reversed-phase liquid chromatography in human sera from healthy and phenylketonuric individuals. Kalghatgi K, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug; 45(2):253-9

COMPLICATIONS

Brief report: screening children with autism for fragile-X syndrome and phenylketonuria. Pueschel SM, et al. **J Autism Dev Disord** 1985 Sep;15(3):335-8

Ophthalmological findings of phenylketonuria: a survey of 14 cases. Cotticelli L, et al. **J Pediatr Ophthalmol Strabismus** 1985 Mar-Apr;22(2):78-9

DIAGNOSIS

Screening for phenylketonuria in chronic psychiatric inpatients. Szymanski HV, et al. **Hosp Community Psychiatry** 1984 Sep;35(9):936-8

Simplified procedure for producing Bacillus subtilis spores for the Guthrie phenylketonuria and other microbiological screening tests. Jinks DC, et al. **J Clin Microbiol** 1985 May; 21(5):826-9

The possibility for prenatal diagnosis of PKU by linkage analyses based on phenylalanine hydroxylase locus specific DNA-polymorphisms. Woo SL, et al. **J Inherited Metab Dis** 1984;7 Suppl 2:139-40

A loophole in the phenylketonuria screening programme [letter] Appleton RE, et al. **Lancet** 1984 Sep 29;2(8405):752

Prenatal diagnosis of classic phenylketonuria by DNA analysis. Lidsky AS, et al. **Lancet** 1985 Mar 9; 1(8428):549-51

[Method of eliminating inhibition by antibiotics in the Guthrie test for phenylketonuria] Bracco G, et al. **Pathologica** 1983; 75 Suppl:72-4 **(Ita)**

[Advances in the diagnosis and treatment of phenylketonuria] Cabalska B. **Pediatr Pol** 1984 Nov;59(11):905-15 (Eng. Abstr.) **(Pol)**

[Malignant forms of phenylketonuria] Bliumina MG. **Zh Nevropatol Psikhiatr** 1984;84(10):1462-5 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Reinstitution of diet therapy in PKU patients from twenty-two US clinics. Schuett VE, et al. **Am J Public Health** 1985 Jan;75(1):39-42

Amino acid and protein requirements in a preterm infant with classic phenylketonuria. Shortland D, et al. **Arch Dis Child** 1985 Mar;60(3):263-5

Selenium intake of infants and young children, healthy children and dietetically treated patients with phenylketonuria. Lombeck I, et al. **Eur J Pediatr** 1984 Dec; 143(2):99-102

Decreased vigilance and neurotransmitter synthesis after discontinuation of dietary treatment for phenylketonuria in adolescents. Lou HC, et al. **Eur J Pediatr** 1985 May; 144(1):17-20

Maternal phenylketonuria and phenylalanine restricted diet. Studies of 7 pregnancies and of offsprings produced. Murphy D, et al. **Ir J Med Sci** 1985 Feb;154(2):66-70

Paired comparisons between early treated PKU children and their matched sibling controls on intelligence and school achievement test results at eight years of age. Koch R, et al. **J Inherited Metab Dis** 1984;7(2):86-90

The effect of treatment on zinc, copper and calcium status in children with phenylketonuria. Taylor CJ, et al. **J Inherited Metab Dis** 1984;7(4):160-4

Return to diet therapy in patients with phenylketonuria. Michals K, et al. **J Pediatr** 1985 Jun;106(6):933-6

Aspartame may imperil dietary control of phenylketonuria [letter] Güttler F, et al. **Lancet** 1985 Mar 2;1(8427):525-6

Termination of strict diet therapy in phenylketonuria. A study on EEG sleep patterns and computer spectral analysis. Behbehani AW. **Neuropediatrics** 1985 May; 16(2):92-7

Women with phenylketonuria: successful management of pregnancy and implications. Bush RT, et al. **NZ Med J** 1985 Mar 27;98(775):181-3

[Dietary treatment of women with Følling's disease. A review of current experiences and future perspectives] Nielsen KB. **Ugeskr Laeger** 1985 Jan 21;147(4):246-9 (Eng. Abstr.) **(Dan)**

[Initiation of treatment following screening for phenylketonuria] Mahle M, et al. **Monatsschr Kinderheilkd** 1984 Nov;132(11):865-6 (Eng. Abstr.) **(Ger)**

[Effect of social factors on dietary compliance in phenylketonuria] Schmid-Rüter E, et al. **Off Gesundheitswes** 1985 Apr;47(4):170-2 **(Ger)**

[Usefulness of protein hydrolysates for the dietary treatment of phenylketonuria] Cobet G, et al. **Padiatr Grenzgeb** 1984; 23(4):217-24 (Eng. Abstr.) **(Ger)**

[Use of a new amino acid mixture in the diet therapy of patients with classical phenylketonuria] Riva E, et al. **Pediatr Med Chir** 1983 Nov-Dec;5(6):521-30 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Preliminary support for the oral administration of valine, isoleucine and leucine for phenylketonuria. Jordan MK, et al. **Dev Med Child Neurol** 1985 Feb;27(1):33-9

Phenylalanine ammonia-lyase immobilized in semipermeable microcapsules for enzyme replacement in phenylketonuria. Bourget L, et al. **FEBS Lett** 1985 Jan 21;180(1):5-8

Large doses of tryptophan and tyrosine as potential therapeutic alternative to dietary phenylalanine restriction in phenylketonuria [letter] Lou H. **Lancet** 1985 Jul 20; 2(8447):150-1

Should dietary treatment of phenylketonuria be continued after infancy? **Nutr Rev** 1985 Jun;43(6):176-7

ENZYMOLOGY

Atypical phenylketonuria with 'dihydrobiopterin synthetase' deficiency: absence of phosphate-eliminating enzyme activity demonstrated in liver. Niederwieser A, et al. **Eur J Pediatr** 1985 May;144(1):13-6

ETIOLOGY

Malignant phenylketonuria due to defective synthesis of dihydrobiopterin. Cohen BE, et al. **Isr J Med Sci** 1985 Jun;21(6):520-5

FAMILIAL & GENETIC

Carrier screening for phenylketonuria: comparison of two discriminant analysis procedures. Freehauf CL, et al. **Am J Hum Genet** 1984 Nov;36(6):1180-9

The occurrence of phenylketonuria and galactosemia within the same family. Fisch RO, et al. **Clin Pediatr (Phila)** 1985 Aug;24(8):456-8

No difference in dermatoglyphics of fingers and palms between phenylketonuria patients and controls [letter] Steffens C. **Hum Genet** 1985;69(2):195

Detection of phenylalanine hydroxylase messenger RNA in liver biopsy samples from patients with phenylketonuria [letter] DiLella AG, et al. **Lancet** 1985 Jan 19;1(8421):160-1

Maternal phenylketonuria. Committee on Genetics. **Pediatrics** 1985 Aug;76(2):313-4

Regional mapping of the phenylalanine hydroxylase gene and the phenylketonuria locus in the human genome. Lidsky AS, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6221-5

Differential diagnosis and treatment of hyperphenylalaninaemia. Bickel H. **Prog Clin Biol Res** 1985;177:93-107

Maternal PKU. Levy HL. **Prog Clin Biol Res** 1985; 177:109-22

Phenotypic deviations in heterozygotes of phenylketonuria (PKU). Vogel F. **Prog Clin Biol Res** 1985;177:337-49

The human phenylalanine hydroxylase gene. Woo SL, et al. **Prog Clin Biol Res** 1985;177:123-35

[Undetected phenylketonuria in a family] Dijkhuis HJ, et al. **Ned Tijdschr Geneeskd** 1985 Jan 12;129(2):65-8 (Eng. Abstr.) **(Dut)**

HISTORY

Asbjørn Følling, his life and work. Elgjo RF. **Prog Clin Biol Res** 1985;177:79-92

[Asbjørn Følling's disease. Reflections on a 50-year anniversary] Lie SO. **Tidsskr Nor Laegeforen** 1984 Dec 10; 104(34):2381-5 **(Nor)**

METABOLISM

Phenylalanine metabolites, attention span and hyperactivity. Michals K, et al. **Am J Clin Nutr** 1985 Aug;42(2):361-5

Amino acid depletion in the blood and brain tissue of hyperphenylalaninemic rats is abolished by the administration of additional lysine: a contribution to the understanding of the metabolic defects in phenylketonuria. Huether G, et al. **Biochem Med** 1985 Jun;33(3):334-41

Biochemical indices of neuronal development in experimental phenylketonuria: high affinity transport systems and gangliosides. Loo YH, et al. **Dev Neurosci** 1983-84; 6(4-5):235-45

Studies on the mechanism for renal elimination of N-acetylphenylalanine: its pathophysiologic significance in phenylketonuria. Okajima K, et al. **J Lab Clin Med** 1985 Jan;105(1):132-8

Transient defect in the synthesis of biopterin [letter] Clemens P, et al. **J Pediatr** 1985 Aug;107(2):312-3

Developmental changes of cerebral phenylalanine uptake from severely elevated blood levels. Greengard O, et al. **Neurochem Res** 1984 Jun;9(6):837-48

[Biochemical analysis of lead level in the hair of a mixed population. II. Comparison of the lead level in the hair of healthy children and in those with various diseases] Skorkowska-Zieleniewska J, et al. **Rocz Panstw Zakl Hig** 1984;35(4):337-40 (Eng. Abstr.) **(Pol)**

OCCURRENCE

[10 years' national screening study of the incidence of phenylketonuria in the Netherlands; 3d report of the National Advisory Phenylketonuria Commission] Meijer

WJ. **Ned Tijdschr Geneeskd** 1985 Jan 12;129(2):74-6 (Eng. Abstr.) **(Dut)**

PATHOLOGY

Hippocampal dendritic abnormalities in a rat model of phenylketonuria. Lacey DJ. **Ann Neurol** 1984 Nov; 16(5):577-80

Normalization of dendritic spine numbers in rat hippocampus after termination of phenylacetate injections (PKU model). Lacey DJ. **Brain Res** 1985 Mar 11;329(1-2):354-5

PREVENTION & CONTROL

Phenylketonuria: 50 years since Følling's discovery and still expanding our clinical and biochemical knowledge. Güttler F. **Acta Paediatr Scand** 1984 Nov;73(6):705-16 (50 ref.)

[Sensitivity of phenylketonuria screening] Machill G, et al. **Kinderarztl Prax** 1984 Jul;52(7):347-50 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Neuropsychological deficits in early treated phenylketonuric children. Pennington BF, et al. **Am J Ment Defic** 1985 Mar; 89(5):467-74

Relationship between phenylalanine tolerance and psychological characteristics of phenylketonuric families. Fisch RO, et al. **Biochem Med** 1985 Apr;33(2):236-45

Phenylketonuria and its variants: observations on intellectual functioning. Netley C, et al. **Can Med Assoc J** 1984 Oct 1;131(7):751-5

Intelligence and personality characteristics in adults with untreated atypical phenylketonuria and mild hyperphenylalaninemia. Waisbren SE, et al. **J Pediatr** 1984 Dec;105(6):955-8

Loss of intellectual function in children with phenylketonuria after relaxation of dietary phenylalanine restriction. Seashore MR, et al. **Pediatrics** 1985 Feb;75(2):226-32

PHENYLMERCURIALS see **PHENYLMERCURY COMPOUNDS**

PHENYLMERCURIC ACETATE see under **PHENYLMERCURY COMPOUNDS**

PHENYLMERCURY COMPOUNDS

ADVERSE EFFECTS

[Skin necrosis in a horse as a consequence of a disinfection accident] Stanek C. **Tierarztl Prax** 1984;12(1):45-8 **(Ger)**

DIAGNOSTIC USE

Further comments on the selectivity of Mercury Orange for protein thiols. Cowden RR, et al. **Histochem J** 1984 Nov; 16(11):1237-41

PHARMACODYNAMICS

Endothelial surface sulfhydryl-groups in blood-brain barrier transport of nutrients. Hervonen H, et al. **Acta Physiol Scand** 1984 Aug;121(4):343-51

Effect of thiourea on PCMBS inhibition of osmotic water transport in human red cells. Chasan B, et al. **Biochim Biophys Acta** 1984 Nov 21;778(1):185-90

Specific interaction of the water transport inhibitor, pCMBS, with band 3 in red blood cell membranes. Lukacovic MF, et al. **Biochim Biophys Acta** 1984 Dec 5;778(2):253-9

Water exchange through erythrocyte membranes: p-chloromercuribenzene sulfonate inhibition of water diffusion in ghosts studied by a nuclear magnetic resonance technique. Benga G, et al. **Biosci Rep** 1985 Mar;5(3):223-8

Mercurial-promoted Zn2+ release from Escherichia coli aspartate transcarbamoylase. Hunt JB, et al. **J Biol Chem** 1984 Dec 10;259(23):14793-803

Early biochemical effects of an organic mercury fungicide on infants: 'dose makes the poison'. Gotelli CA, et al. **Science** 1985 Feb 8;227(4687):638-40

POISONING

Organomercuric poisoning in fat cattle. Boyd JH. **Vet Rec** 1985 Apr 20;116(16):443-4

TOXICITY

Effects of mercury on acetylcholinesterase (E.C. 3.1.1.7.) activity of erythrocytes and bone marrow in rats. Miszta H. **Folia Haematol (Leipz)** 1984;111(5):632-7

Mercury and the activity of erythrocyte and bone marrow glutathione reductase (E.C. 1.6.4.2.) and glucose-6-phosphate dehydrogenase (E.C. 1.1.1.49) in rats. Miszta H. **Folia Haematol (Leipz)** 1984;111(5):638-44

Plasma and platelet fibrin-stabilizing factor activity in rats intoxicated with phenylmercuric acetate. Michalska M, et al. **Pol J Pharmacol Pharm** 1984 Nov-Dec;36(6):611-5

[Comparative studies of 2 organic mercury compounds alone or in combination with ethanol following pre- or postnatal application in mice] Bleyl DW, et al. **Nahrung** 1985; 29(1):93-103 (Eng. Abstr.) **(Ger)**

[The neurotoxicity and mutagenicity of phenylmercury acetate and nitrate in single and combined applications in animal studies] Páldy A, et al. **Nahrung** 1985;29(5):537-9 **(Ger)**

PHENYLMETHYLSULFONYL FLUORIDE see under **SULFONES**

PHENYLPROPANOLAMINE

ADVERSE EFFECTS

Phenylpropanolamine-associated headache [letter] Higgins JT, et al. **Am J Dis Child** 1985 Apr;139(4):331

Intracranial hemorrhage associated with overdose of decongestant containing phenylpropanolamine [letter] Kizer KW. **Am J Emerg Med** 1984 Mar;2(2):180-1

Visual hallucinations induced by a sympathomimetic drug [letter] Dungal H, et al. **Can Med Assoc J** 1984 Nov 15; 131(10):1186

Neurologic signs and symptoms related to over-the-counter diet pills. Mueller SM, et al. **Indiana Med** 1985 May; 78(5):388-90

Therapeutic doses of phenylpropanolamine increase supine systolic blood pressure. Pentel PR, et al. **Int J Obes** 1985; 9(2):115-9

Phenylpropanolamine exposure and subsequent hospitalization [letter] Aselton P, et al. **JAMA** 1985 Feb 15;253(7):977

Pseudopheochromocytoma and cardiac arrest associated with phenylpropanolamine. Hyams JS, et al. **JAMA** 1985 Mar 15;253(11):1609-10

Phenylpropanolamine and blood pressure [letter] Lasagna L. **JAMA** 1985 May 3;253(17):2491-3

Cerebral vasculitis and hemorrhage associated with phenylpropanolamine. Fallis RJ, et al. **Neurology** 1985 Mar; 35(3):405-7

Phenylpropanolamine issue [letter]. Waggoner WC. **Neurology** 1984 Nov;34(11):1526

Acute memory loss and nominal aphasia caused by phenylpropanolamine. Puar HS. **South Med J** 1984 Dec; 77(12):1604-5

Intracranial hemorrhages due to phenylpropanolamine. Kikta DG, et al. **Stroke** 1985 May-Jun;16(3):510-2

Intracerebral haemorrhage and angiographic beading following ingestion of catecholaminergics. Stoessl AJ, et al. **Stroke** 1985 Jul-Aug;16(4):734-6

Ischemic bowel infarction and phenylpropranolamine use [letter] Johnson DA, et al. **West J Med** 1985 Mar; 142(3):399-400

Phenylpropanolamine and cerebral hemorrhage. McDowell JR, et al. **West J Med** 1985 May;142(5):688-91

[Acute drug-induced esophagitis] Rives JJ, et al. **Arch Fr Pediatr** 1985 Jan;42(1):33-4 (Eng. Abstr.) **(Fre)**

ANALYSIS

Quantitation of acetaminophen, chlorpheniramine maleate, dextromethorphan hydrobromide, and phenylpropanolamine hydrochloride in combination using high-performance liquid chromatography. Das Gupta V, et al. **J Pharm Sci** 1984 Nov;73(11):1553-6

Determination of phenylpropanolamine hydrochloride and acetaminophen in pharmaceutical preparations by Raman spectroscopy. King TH, et al. **J Pharm Sci** 1985 Apr; 74(4):443-7

ANTAGONISTS & INHIBITORS

Propranolol antagonism of phenylpropanolamine-induced hypertension. Pentel PR, et al. **Clin Pharmacol Ther** 1985 May;37(5):488-94

BLOOD

Electron-capture capillary gas chromatographic determination of phenylpropanolamine in human plasma following derivatization with trifluoroacetic anhydride. Crisologo N, et al. **J Pharm Sci** 1984 Sep;73(9):1313-5

PHARMACODYNAMICS

Dose-response relationship of a topical nasal decongestant: phenylpropanolamine. Bende M, et al. **Acta Otolaryngol (Stockh)** 1984 Nov-Dec;98(5-6):543-7

The effect of topical phenylpropanolamine on nasal secretion and nasal airway resistance after histamine challenge in man. Löth S, et al. **Clin Otolaryngol** 1985 Feb;10(1):15-9

The effects of phenylpropanolamine and other sympathomimetics on food consumption and motor activity in mice. Cairns MJ, et al. **J Pharm Pharmacol** 1984 Oct; 36(10):704-6

Caffeine-phenylethylamine combinations mimic the amphetamine discriminative cue. Holloway FA, et al. **Life Sci** 1985 Feb 25;36(8):723-30

Comparison of brown adipose tissue thermogenesis induced by congeners and isomers of phenylpropanolamine. Wellman PJ, et al. **Life Sci** 1985 Sep 16;37(11):1023-8

Drug preference and mood in humans: mazindol and phenylpropanolamine. Chait LD, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:327-8

Synergism between caffeine and dl-phenylpropanolamine on brown adipose tissue thermogenesis in the adult rat. Wellman PJ, et al. **Pharmacol Biochem Behav** 1985 May; 22(5):781-5

Effects of reserpine and adrenal demedullation on brown adipose tissue thermogenesis induced by dl-phenylpropanolamine. Wellman PJ, et al. **Res Commun Chem Pathol Pharmacol** 1985 Feb; 47(2):211-20

Vascular effects of phenylpropanolamine on human nasal mucosa. Bende M, et al. **Rhinology** 1985 Mar;23(1):43-8

POISONING

Catatonia associated with phenylpropanolamine overdose and fluphenazine treatment: case report. Castellani S. **J Clin Psychiatry** 1985 Jul;46(7):288-9

Atrioventricular conduction block caused by phenylpropanolamine [letter] Woo OF, et al. **JAMA** 1985 May 10;253(18):2646-7

THERAPEUTIC USE

A pilot study of medication and group therapy for obesity in a group of physicians. Bess BE, et al. **Hillside J Clin Psychiatry** 1984;6(2):171-87

Urethral sphincteric insufficiency in postmenopausal females: treatment with phenylpropanolamine and estriol separately and in combination. A urodynamic and clinical evaluation. Beisland HO, et al. **Urol Int** 1984;39(4):211-6

TOXICITY

Safety of phenylpropanolamine [letter] Appelt GD. **Am J Dis Child** 1985 Jul;139(7):651-3

PHENYLPROPIONATES

Moderator effects on recoil tritium reactions with lithium beta-phenylpropionate. Oohashi K, et al. **Radioisotopes** 1984 Jul;33(7):444-8

[Stabilization and reduction of irritant taste of anti-inflammatory drug pirprofen by beta-cyclodextrin complexation] Hibi T, et al. **Yakugaku Zasshi** 1984 Sep; 104(9):990-6 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[The analgesic effect of suprofen in hospitalized patients after tonsillectomy--a double-blind study after rectal administration] Tanner K, et al. **Schweiz Rundsch Med Prax** 1985 May 28;74(22):600-2 (Eng. Abstr.) **(Ger)**

[False-positive porphobilinogen determination test (Hoesch test) after administration of pirprofen] Weiss M, et al. **Schweiz Rundsch Med Prax** 1985 May 28;74(22):598-9 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Local and systemic tolerability of suprofen. Experience with intravenous administration and infusion in healthy volunteers (1st comm.). Michos N, et al. **Arzneimittelforschung** 1985;35(4):745-8

Ketoprofen photodermatitis. Alomar A. **Contact Dermatitis** 1985 Feb;12(2):112-3

Contact dermatitis to ketoprofen. Camarasa JG. **Contact Dermatitis** 1985 Feb;12(2):120-2

Nonspecificity of the renal lesion of fenoprofen nephropathy. Bender WL, et al. **Contrib Nephrol** 1984;42:253-9

Pirprofen-induced fulminant hepatitis. Danan G, et al. **Gastroenterology** 1985 Jul;89(1):210-3

Acute tubular necrosis and minimal-change glomerulopathy associated with fenoprofen therapy. Dhar SK, et al. **Indiana Med** 1984 Dec;77(12):956-7

Indoprofen-induced aplastic anaemia in systemic lupus, diagnosed by lymphocyte transformation tests [letter] Saal JG, et al. **Lancet** 1985 Jun 22;1(8443):1450-1

[Erythrocyte survival in patients with G6PD deficiency during administration of suprofen] Passiu G, et al. **Boll Chim Farm** 1984 Aug;123(8):61S-64S (Eng. Abstr.) **(Ita)**

ANALYSIS

Simultaneous determination of atropine sulphate and tropic acid by reversed phase high-pressure liquid chromatography. Richard A, et al. **Pharmazie** 1984 Dec; 39(12):866-7

BIOSYNTHESIS

Metabolic pathways as enzyme complexes: evidence for the synthesis of phenylpropanoids and flavonoids on membrane associated enzyme complexes. Hrazdina G, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):88-100

BLOOD

Local and systemic tolerability of suprofen. Experience with intravenous administration and infusion in healthy volunteers (2nd comm.). Zulliger HW, et al. **Arzneimittelforschung** 1985;35(4):748-55

Determination of the enantiomers of indoprofen in blood plasma by high-performance liquid chromatography after rapid derivatization by means of ethyl chloroformate. Björkman S. **J Chromatogr** 1985 May 3;339(2):339-46

Simultaneous determination of pirprofen and its metabolite, the pyrrole derivative, in plasma by high-performance liquid chromatography. Colussi D, et al. **J Chromatogr** 1985 Apr 12;339(1):157-62

CHEMICAL SYNTHESIS

Bulky amine analogues of ketoprofen: potent antiinflammatory agents. Schlegel DC, et al.

ARK PUBLIC LIBRAR

J Med Chem 1984 Dec;27(12):1682-90

Conformational analysis of some alpha-phenylpropionic acids with anti-inflammatory activity. Smeyers YG, et al. **J Pharm Sci** 1985 Jan;74(1):47-9

METABOLISM

Pharmacokinetics and tolerability of suprofen. Experience with intramuscular application in healthy volunteers. Michos N, et al. **Arzneimittelforschung** 1985;35(4):738-45

Pharmacokinetics and bioavailability of suprofen injection solution after intravenous application versus capsules on six healthy male volunteers. Zulliger HW, et al. **Arzneimittelforschung** 1985;35(6):976-80

Comparative pharmacokinetics of ketoprofen derived from single oral doses of ketoprofen capsules or a novel sustained-release pellet formulation. Houghton GW, et al. **Biopharm Drug Dispos** 1984 Jul-Sep;5(3):203-9

Species differences in the metabolism of suprofen in laboratory animals and man. Mori Y, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):239-45

Metabolism of suprofen in the dog. Sakai Y, et al. **Drug Metab Dispos** 1984 Nov-Dec;12(6):795-7

Pharmacokinetics of the enantiomers of indoprofen in man. Tamassia V, et al. **Int J Clin Pharmacol Res** 1984; 4(3):223-30

The metabolic chiral inversion of 2-arylpropionic acids--a novel route with pharmacological consequences--a correction [letter] Hutt AJ, et al. **J Pharm Pharmacol** 1985 Apr;37(4):288

Stereoselective inversion of (R)-fenoprofen to (S)-fenoprofen in humans. Rubin A, et al. **J Pharm Sci** 1985 Jan;74(1):82-4

[Pharmacokinetics of pirprofen] Hirtz J, et al. **Fortschr Med** 1985 Feb 26;103(7A):164-9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of suprofen on corneal wound healing. Lee BP, et al. **Arch Ophthalmol** 1985 Jan;103(1):95-7

Anti-ulcer effect of 3-[p-(trans-4-aminomethylcyclohexylcarbonyl) phenyl] propionic acid hydrochloride (TEI-5103). Hoshina K, et al. **Arzneimittelforsch** 1985;35(2):493-7

Effect of gamma-oryzanol on serum lipid peroxide level and clinical symptoms of patients with climacteric disturbances. Ishihara M. **Asia Oceania J Obstet Gynaecol** 1984 Sep; 10(3):317-23

Comparative effects of aprophen, atropine and benactyzine on central and peripheral cholinoceptors and on acetylcholinesterase. Dawson RM, et al. **Biochem Pharmacol** 1985 May 1;34(9):1577-9

Aprophen: a substrate and inhibitor of butyrylcholinesterase and carboxylesterases. Rush RS, et al. **Biochem Pharmacol** 1985 Jun 15;34(12):2063-8

Effects of cyclooxygenase inhibitors and PGI2 on the adrenergic contractions of isolated rabbit arteries. Malomvölgyi B, et al. **Biomed Biochim Acta** 1984; 43(8-9):S277-80

Suprofen: the pharmacology and clinical efficacy of a new non-narcotic peripheral analgesic. Tolman EL, et al. **Clin Rheum Dis** 1984 Aug;10(2):353-68 (51 ref.)

Inhibition of prostaglandin biosynthesis by a new anti-inflammatory drug, TA-60. Muramatsu M, et al. **J Pharmacobiodyn** 1985 Jan;8(1):11-9

The effect of cyclooxygenase inhibitors on the low filling rate cystometrogram in urethane anesthetized rats. Maggi CA, et al. **J Urol** 1985 Oct;134(4):800-3

Mechanism of action of suprofen, a new peripheral analgesic, as demonstrated by its effects on several nociceptive mediators. Dubinsky B, et al. **Prostaglandins** 1984 Aug; 28(2):241-52

Potent and selective effects of suprofen on uterine prostaglandin synthesis. Tolman EL, et al. **Prostaglandins Leukotrienes Med** 1985 Jun;18(3):367-77

[Effect of pirprofen and indomethacin on the effects of oxprenolol and furosemide] Sörgel F, et al. **Arzneimittelforsch** 1984;34(10):1330-2 (Eng. Abstr.) **(Ger)**

[A study on interactions between pirprofen and phenprocoumon] Marbet GA, et al. **Fortschr Med** 1985 Feb 26;103(7A):207-9 (Eng. Abstr.) **(Ger)**

[Antiinflammatory activity and kinetics of antipyretic and analgesic effects of the sodium salt of indoprofen betainate] Maoret T, et al. **Boll Chim Farm** 1984 Nov;123(11):521-9 (Eng. Abstr.) **(Ita)**

[Effects of gamma-oryzanol on gastric lesions and small intestinal propulsive activity in mice] Ichimaru Y, et al. **Nippon Yakurigaku Zasshi** 1984 Dec;84(6):537-42 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Comparison of a narcotic (oxicone) and a non-narcotic anti-inflammatory analgesic (indoprofen) in the treatment of renal colic. Persson NH, et al. **Acta Chir Scand** 1985; 151(2):105-8

Suprofen compared to dextropropoxyphene hydrochloride and paracetamol (Cosalgesic) after extraction of wisdom teeth under general anaesthesia. Rosen M, et al. **Anaesthesia** 1985 Jul;40(7):639-41

Clinically controlled comparative study of suprofen, pentazocine, and placebo. Experience with intramuscular single doses. Bodner E, et al. **Arzneimittelforschung** 1985; 35(4):755-9

Antimigraine drugs in the management of daily chronic headaches: clinical profiles of responsive patients. Micieli G, et al. **Cephalalgia** 1985 May;5 Suppl 2:219-24

Indoprofen in juvenile chronic arthritis. Price T, et al. **Clin Exp Rheumatol** 1985 Jan-Mar;3(1):59-62

Controlled trial of two nonsteroidal anti-inflammatory drugs in postoperative pain relief: a 12-hour evaluation. Bona L, et al. **Clin Ther** 1985;7(4):474-9

Administration of ketoprofen suppositories for out-patient post-operative analgesia. Himendra A, et al. **Curr Med Res Opin** 1985;9(7):436-41

Successful treatment of biliary colic with intravenous ketoprofen or lysine acetylsalicylate. Magrini M, et al. **Curr Med Res Opin** 1985;9(7):454-60

Reduction of pain following hysterosalpingogram by prior analgesic administration. Owens OM, et al. **Fertil Steril** 1985 Jan;43(1):146-8

Intravenous indoprofen in the management of renal colic. Torchi B, et al. **Int J Clin Pharmacol Res** 1983;3(3):167-73

Double-blind parallel comparison of single oral doses of ketoprofen, codeine, and placebo in patients with moderate to severe dental pain. Mehlisch D, et al. **J Clin Pharmacol** 1984 Nov-Dec;24(11-12):486-92

A comparative oral analgesic study of indoprofen, aspirin, and placebo in postpartum pain. Sunshine A, et al. **J Clin Pharmacol** 1985 Jul-Aug;25(5):374-80

Oral fenoprofen compared to intramuscular morphine and oral aspirin in cancer patients with postoperative pain. Kaiko RF, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1984 Mar;49:205-11

Hip joint distension in osteoarthrosis. A triple-blind controlled study comparing the effect of intra-articular indoprofen with placebo. Egsmose C, et al. **Scand J Rheumatol** 1984;13(3):238-42

[Open clinical study with Rofenid in the treatment of minor sports injuries] Kockelbergh M. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):59-63 (Eng. Abstr.) **(Dut)**

[Treatment of renal colic with ketoprofen. Apropos of 39 episodes in 37 patients] Ryckelynck JP, et al. **LARC Med** 1984 Aug-Sep;4(7):453-4 **(Fre)**

[Treatment of renal colic with intravenous ketoprofen] Pourrat JP, et al. **Presse Med** 1984 Oct 6;13(35):2125-8 (Eng. Abstr.) **(Fre)**

[Initial therapy of activated coxarthrosis and gonarthrosis using pirprofen. Double-blind study versus indomethacin] Bachmann F, et al. **Fortschr Med** 1985 Feb 26; 103(7A):179-81 (Eng. Abstr.) **(Ger)**

[Arresting an acute attack of gout. Open pilot study in 98 patients] Bodem H. **Fortschr Med** 1985 Feb 26; 103(7A):203-6 (Eng. Abstr.) **(Ger)**

[Pirprofen in the treatment of ankylosing spondylitis. A 3-week open trial] Droste U. **Fortschr Med** 1985 Feb 26; 103(7A):173-5 (Eng. Abstr.) **(Ger)**

[Treatment of chronic polyarthritis with pirprofen or indomethacin. Interindividual double-blind trial] Grasedyck K, et al. **Fortschr Med** 1985 Feb 26; 103(7A):170-2 (Eng. Abstr.) **(Ger)**

[Therapy of an acute spondylogenic pain syndrome in general practice. A double-blind comparison with piroxicam] Häringer E. **Fortschr Med** 1985 Feb 26;103(7A):189-92 (Eng. Abstr.) **(Ger)**

[Treatment of extra-articular rheumatism. Double-blind study with pirprofen and indomethacin] Heimstädt P, et al. **Fortschr Med** 1985 Feb 26;103(7A):200-2 (Eng. Abstr.) **(Ger)**

[Animal experiments with pirprofen] Maier R. **Fortschr Med** 1985 Feb 26;103(7A):159-64 (Eng. Abstr.) **(Ger)**

[Pirprofen in patients with arthrosis. Double-blind study versus indomethacin] Manz G. **Fortschr Med** 1985 Feb 26; 103(7A):176-8 (Eng. Abstr.) **(Ger)**

[Treatment of radicular compression syndrome. An open comparative study with pirprofen and a metamizole-vitamin B complex] Müller-Fassbender HR, et al. **Fortschr Med** 1985 Feb 26;103(7A):193-6 (Eng. Abstr.) **(Ger)**

[Clinical trials with pirprofen and naproxen in patients with gonarthrosis and coxarthrosis] Sekker W, et al. **Fortschr Med** 1985 Feb 26;103(7A):182-4 (Eng. Abstr.) **(Ger)**

[The treatment of humeroscapular periarthritis with pirprofen. Interindividual double-blind study with ambulatory patients] Taller AJ. **Fortschr Med** 1985 Feb 26;103(7A):197-9 (Eng. Abstr.) **(Ger)**

[Symptomatic long-term therapy of polyarthritis using pirprofen] von Manteuffel G, et al. **Fortschr Med** 1985 Feb 26;103(7A):185-8 (Eng. Abstr.) **(Ger)**

[Controlled clinical study of treatment of postoperative orthopedic patients] Patella V, et al. **Boll Chim Farm** 1984 Oct;123(10):71S-76S (Eng. Abstr.) **(Ita)**

[The salmon calcitonin-antiinflammatory association in the treatment of painful spondyloarthrosis. Clinico-experimental study] Bonavita E. **Clin Ter** 1984 Jul 31;110(2):123-8 (Eng. Abstr.) **(Ita)**

[Efficacy and tolerance of dexindoprofen compared with diclofenac sodium in the treatment of osteoarthrosis patients] Fornasari PA, et al. **Clin Ter** 1985 Apr 30; 113(2):125-33 (Eng. Abstr.) **(Ita)**

[Single-blind comparative study of lysine acetylsalicylate, indoprofen and sodium diclofenac in post-operative pain] Stobbia GF, et al. **Minerva Anestesiol** 1984 May;50(5):213-7 (Eng. Abstr.) **(Ita)**

[Double-blind evaluation comparing CS-600 (loxoprofen sodium) and indomethacin in the treatment of rheumatoid arthritis] Igarashi M, et al. **Ryumachi** 1985 Feb;25(1):61-72 **(Jpn)**

[Clinical evaluation of suprofen in the treatment of rheumatoid arthritis--double-blind comparison with diclofenac sodium] Schichikawa K, et al. **Ryumachi** 1984 Jun;24(3):204-14 **(Jpn)**

[Double-blind clinical trial of pirprofen in patients with rheumatoid arthritis] Shichikawa K, et al. **Ryumachi** 1984 Oct;24(5):407-14 **(Jpn)**

[Effectiveness of ketoprofen and sulindac treatment of patients with chronic glomerulopathies] Szewczyk Z, et al. **Pol Tyg Lek** 1984 Jul 9;39(28):933-8 (Eng. Abstr.) **(Pol)**

URINE

Identification of aromatic dihydroxy acids in biological fluids. Heindl A, et al. **Biomed Mass Spectrom** 1985 Feb; 12(2):59-66

Further structural analysis of urinary metabolites of suprofen in the rat. Mori Y, et al. **Drug Metab Dispos** 1984 Nov-Dec; 12(6):767-71

Urinary pharmacokinetics of orally administered ketoprofen in man. Houghton GW, et al. **Eur J Drug Metab Pharmacokinet** 1984 Jul-Sep;9(3):201-4

PHENYLPYRUVIC ACIDS

BLOOD

High-performance liquid chromatography assays of phenylpyruvate and phenylpyruvate oxidase. Hill JA, et al. **J Chromatogr** 1985 Feb 8;337(2):397-401

URINE

Color reaction between keto acid or hydroxy acid and 9-(2'-carboxyphenyl)-4,5-dibromo-2,3,7-trihydroxy-6-flu minum(III) complex and its application to the determination of beta-phenylpyruvic acid. Fujita Y, et al. **Chem Pharm Bull (Tokyo)** 1985 Jan;33(1):242-8

PHENYLTHIAZOLYLTHIOUREA see under **PHENYLTHIOUREA**

PHENYLTHIOCARBAMIDE see **PHENYLTHIOUREA**

PHENYLTHIOHYDANTOIN see under **HYDANTOINS**

PHENYLTHIOUREA

[Seroanthropological studies of albino and melanoderm Bamiléké populations (Cameroon). ABO and Rhesus erythrocyte groups, hemoglobin S and taste sensitivity to phenylthiocarbamide] Aquaron R, et al. **Med Trop (Mars)** 1984 Oct-Dec;44(4):311-8 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

Clinical therapeutic analysis of vitiligo phase--II. Khan HM. **Bangladesh Med Res Counc Bull** 1984 Dec;10(2):71-5

PHARMACODYNAMICS

[Population genetics analysis of the association of sensitivity to phenylthiocarbamide and nervous system strength] Bulaeva KB, et al. **Genetika (Moskva)** 1984 Dec; 20(12):2055-65 (Eng. Abstr.) **(Rus)**

PHENYLUREA COMPOUNDS

ADVERSE EFFECTS

[Embryotropic effect of fenuron] Voloshina LT. **Vrach Delo** 1985 Feb;(2):103-5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Determination of phenylurea pesticides by high-performance liquid chromatography with UV and photoconductivity detectors in series. Walters SM, et al. **J Chromatogr** 1984 Dec 28;317:533-44

PHARMACODYNAMICS

Lidamidine hydrochloride. American College of Gastroenterology Committee on FDA-Related Matters. Friedman G. **Am J Gastroenterol** 1985 Feb;80(2):143-5

Electrophysiologic effects of AHR 10718 on isolated cardiac tissues. Damiano BP, et al. **Eur J Pharmacol** 1985 Feb 5; 108(3):243-55

Effect of lidamidine-HCl on Escherichia coli heat-stable enterotoxin-induced jejunal water and electrolyte secretion in neonatal piglets. Merritt AM, et al. **J Vet Pharmacol Ther** 1985 Jun;8(2):150-6

THERAPEUTIC USE

Diabetic diarrhea and lidamidine [letter] Goff JS. **Ann Intern Med** 1984 Dec;101(6):874-5

Alpha-2 receptors in the gastrointestinal system: a new therapeutic approach. DiJoseph JF, et al. **Life Sci** 1984 Sep 3;35(10):1031-42 (66 ref.)

PHENYTOIN

Solubilization by cosolvents II: Phenytoin in binary and ternary solvents. Rubino JT, et al. **J Parenter Sci Technol** 1984 Nov-Dec;38(6):215-21

ADMINISTRATION & DOSAGE

Emergency phenytoin loading by constant intravenous infusion. Carducci B, et al. **Ann Emerg Med** 1984 Nov;13(11):1027-31

Effect of empiric dosing on blood levels of theophylline and phenytoin. Curtis RA, et al. **Ann Emerg Med** 1985 Mar;14(3):213-7

Phenytoin and junctional epidermolysis bullosa [letter] Armoni M, et al. **Arch Dermatol** 1985 Feb;121(2):168-9

Phenytoin disposition in obesity. Determination of loading dose. Abernethy DR, et al. **Arch Neurol** 1985 May;42(5):468-71

Comparison of two pharmacokinetic methods for individualizing phenytoin dosage. Zaccara G, et al. **Boll Chim Farm** 1983 Mar;122(3):1S-6S

Phenytoin once-daily dosing in geriatric patients [letter] Clark BG. **Drug Intell Clin Pharm** 1985 Jul-Aug;19(7-8):584

Phenytoin prodrugs III: water-soluble prodrugs for oral and/or parenteral use. Varia SA, et al. **J Pharm Sci** 1984 Aug;73(8):1068-73

Dosage of phenytoin during pregnancy [letter] Freed CR, et al. **JAMA** 1985 May 17;253(19):2833-4

Subsensitivity to muscimol-induced catalepsy after long-term administration of phenytoin in rats. Lalonde R, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):77-80

Comparison of eight phenytoin dosing methods in institutionalized patients. Flint N, et al. **Ther Drug Monit** 1985;7(1):74-80

[Studies on the medical treatment of non-operable insulinoma. Clinical usefulness of diphenylhydantoin-calcium antagonist] Imanaka S, et al. **Nippon Naika Gakkai Zasshi** 1985 May;74(5):590-6 **(Jpn)**

[Quinidine interactions with propranolol, phenytoin, verapamil and procainamide] Halawa B. **Pol Tyg Lek** 1984 Jun 11;39(24):823-6 (Eng. Abstr.) **(Pol)**

[Therapeutic value of intravenous diphenylhydantoin in digitalis arrhythmia] Magyarósi G. **Rev Med Interna [Med Interna]** 1985 Jan-Feb;37(1):61-6 **(Rum)**

ADVERSE EFFECTS

Diphenylhydantoin encephalopathy. A case report. Gallitto G, et al. **Acta Neurol (Napoli)** 1985 Feb;7(1):1-7

Interaction of amiodarone and diphenylhydantoin. Gore JM, et al. **Am J Cardiol** 1984 Nov 1;54(8):1145

Diphenylhydantoin-induced hepatotoxicity. Aaron JS, et al. **Am J Gastroenterol** 1985 Mar;80(3):200-2

Genetic background: the elusive component in the fetal hydantoin syndrome. Finnell RH, et al. **Am J Med Genet** 1984 Nov;19(3):459-62

Teratogenicity of anticonvulsant drugs. III: Radiographic hand analysis of children exposed in utero to diphenylhydantoin. Kelly TE. **Am J Med Genet** 1984 Nov;19(3):445-50

Stimulus-induced myoclonus and burst suppression on EEG: effects of phenytoin toxicity. Trauner DA. **Ann Neurol** 1985 Mar;17(3):312-3

Mycosis fungoides-like lesions associated with phenytoin therapy. Wolf R, et al. **Arch Dermatol** 1985 Sep;121(9):1181-2

Functional palatal incompetence in the fetal anticonvulsant syndrome. Pearl KN, et al. **Arch Dis Child** 1984 Oct;59(10):989-90

Seasonal incidence of phenytoin allergy unrelated to plasma levels. Leppik IE, et al. **Arch Neurol** 1985 Feb;42(2):120-2

Diphenylhydantoin-induced pure red cell aplasia. Dessypris EN, et al. **Blood** 1985 Apr;65(4):789-94

Different actions of vitamin D2 and D3 on bone metabolism in patients treated with phenobarbitone/phenytoin. Tjellesen L, et al. **Calcif Tissue Int** 1985 May;37(3):218-22

Ependymoblastoma associated with prenatal exposure to diphenylhydantoin and methylphenobarbitone. Lipson A, et al. **Cancer** 1985 May 1;55(9):1859-62

Pontoneocerebellar hypoplasia—a probable consequence of prenatal destruction of the pontine nuclei and a possible role of phenytoin intoxication. Gadisseux JF, et al. **Clin Neuropathol** 1984 Jul-Aug;3(4):160-7

Phenytoin-induced movement disorder associated with intravenous administration for status epilepticus. Howrie DL, et al. **Clin Pediatr (Phila)** 1985 Aug;24(8):467-9

Acquired craniofacial features associated with chronic phenytoin therapy. Johnson JP. **Clin Pediatr (Phila)** 1984 Dec;23(12):671-4

Phenytoin therapy and immune response to influenza vaccine. Levine M, et al. **Clin Pharm** 1985 Mar-Apr;4(2):191-4

Focal dystonic reaction to phenytoin [letter] Choonara IA, et al. **Dev Med Child Neurol** 1984 Oct;26(5):677-8

Enhanced theophylline clearance secondary to phenytoin therapy. Sklar SJ, et al. **Drug Intell Clin Pharm** 1985 Jan;19(1):34-6

Chromosomal studies of peripheral blood from epileptic patients treated with phenobarbital and/or diphenylhydantoin. Kulkarni PS, et al. **Food Chem Toxicol** 1984 Dec;22(12):1009-12

Diphenylhydantoin-induced hypersensitivity reaction with interstitial nephritis. Matson JR, et al. **Hum Pathol** 1985 Jan;16(1):94-7

Generalized pruritus as a presenting symptom of phenytoin-induced Hodgkin's disease. Rubinstein N, et al. **Int J Dermatol** 1985 Jan-Feb;24(1):54-5

Phenytoin hypersensitivity reaction presenting with toxic epidermal necrolysis and severe hepatitis. Report of a patient treated with corticosteroid 'pulse therapy'. Sherertz EF, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 2):178-81

The effects of phenytoin and sodium valproate on the periodontal health of adult epileptic patients. Seymour RA, et al. **J Clin Periodontol** 1985 Jul;12(6):413-9

Phenytoin-induced orofacial dyskinesia. A case report. Yoshida M, et al. **J Neurol** 1985;231(6):340-2

The interaction of denzimol (a new anticonvulsant) with carbamazepine and phenytoin. Patsalos PN, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr;48(4):374-7

Immunosuppression by phenytoin: implication for altered immune competence in brain-tumor patients. Kikuchi K, et al. **J Neurosurg** 1984 Dec;61(6):1085-90

Four siblings with similar malformations after exposure to phenytoin and primidone. Krauss CM, et al. **J Pediatr** 1984 Nov;105(5):750-5

Splenic hemorrhage in a neonate of a mother on anticonvulsant therapy. Traggis DG, et al. **J Pediatr Surg** 1984 Oct;19(5):598-9

Expanding physician duties and patients rights in wrongful life: Harbeson v. Parke-Davis, Inc. Skolnick M. **Med Law** 1985;4(3):283-98

Soft-tissue damage associated with intravenous phenytoin [letter] Kilarski DJ, et al. **N Engl J Med** 1984 Nov 1;311(18):1186-7

Reversible chronic cerebellar ataxia after phenytoin intoxication: possible role of cerebellum in cognitive thought. Botez MI, et al. **Neurology** 1985 Aug;35(8):1152-7

Slow saccades and hypometria in anticonvulsant toxicity. Thurston SE, et al. **Neurology** 1984 Dec;34(12):1593-6

Isolated malignant lymphoma of the jejunum and long-term diphenylhydantoin therapy. Rubinstein I, et al. **Oncology** 1985;42(2):104-6

Bribery. Symmers WS. **Pathol Annu** 1984;19 Pt 2:347-58

Case report 285. Diagnosis: osteomalacia (rickets) and cerebellar atrophy secondary to the effects of diphenylhydantoin (dilantin). Moskowitz H, et al. **Skeletal Radiol** 1984;12(4):281-3

Bronchoalveolar lavage in acute drug-hypersensitivity pneumonitis probably caused by phenytoin. Munn NJ, et al. **South Med J** 1984 Dec;77(12):1594-6

Severe thrombocytopenia associated with phenytoin and cimetidine therapy. Wong YY, et al. **Surg Neurol** 1985 Feb;23(2):169-72

[Phenytoin-induced paroxysmal choreoathetosis] Todt H, et al. **Padiatr Grenzgeb** 1984;23(6):467-70 (Eng. Abstr.) **(Ger)**

[Diagnostic problems in hydantoin immunopathy. Review of the literature and description of 3 cases] Amadori G, et al. **Minerva Med** 1984 Nov 3;75(42):2503-19 (Eng. Abstr.) **(Ita)**

[Side effects of antiepileptic drugs] Rościszewska D. **Neurol Neurochir Pol** 1984 Nov-Dec;18(6):575-81 (30 ref.) **(Pol)**

[Hypersensitivity syndrome caused by phenytoins and phenobarbital] Fonseca JC, et al. **Med Cutan Iber Lat Am** 1984;12(3):187-92 (Eng. Abstr.) **(Por)**

ANALOGS & DERIVATIVES

Analysis of p-hydroxyphenytoin in microsomal reactions by high-performance liquid chromatography with electrochemical detection. Kapetanovic IM, et al. **J Chromatogr** 1984 Oct 12;310(2):418-23

Gas chromatographic determination of m- and p-hydroxyphenytoin in the urine of epileptic patients. Shimada K, et al. **J Chromatogr** 1985 May 3;339(2):331-7

Phenytoin prodrugs VI: In vivo evaluation of a phosphate ester prodrug of phenytoin after parenteral administration to rats. Varia SA, et al. **J Pharm Sci** 1984 Aug;73(8):1087-90

Phenytoin prodrugs IV: Hydrolysis of various 3-(hydroxymethyl)phenytoin esters. Varia SA, et al. **J Pharm Sci** 1984 Aug;73(8):1074-80

Phenytoin prodrugs V: In vivo evaluation of some water-soluble phenytoin prodrugs in dogs. Varia SA, et al. **J Pharm Sci** 1984 Aug;73(8):1080-7

Phenytoin prodrugs III: water-soluble prodrugs for oral and/or parenteral use. Varia SA, et al. **J Pharm Sci** 1984 Aug;73(8):1068-73

[Synthesis of benzylidene derivatives of 3-o, 3-m and 3-p-chlorophenylhydantoin and the study of their anticonvulsant action] Rydzik E, et al. **Acta Pol Pharm** 1984;41(4):459-64 (Eng. Abstr.) **(Pol)**

ANALYSIS

A comparison of plasma and saliva levels of carbamazepine and phenytoin as monotherapy. Callaghan N, et al. **Ir J Med Sci** 1984 May;153(5):170-3

Analysis of the toxicologically relevant metabolites of phenytoin in biological samples by high-performance liquid chromatography. Lum JT, et al. **J Chromatogr** 1985 Feb 27;338(1):242-8

The use of a monosaccharide linkage group in a heterologous solid-phase enzyme immunoassay for phenytoin. Hinds JA, et al. **J Immunol Methods** 1985 Jun 25;80(2):239-53

The effect of protein on the dissolution of phenytoin. Rosen A, et al. **J Pharm Pharmacol** 1984 Nov;36(11):723-7

Phenytoin prodrugs IV: Hydrolysis of various 3-(hydroxymethyl)phenytoin esters. Varia SA, et al. **J Pharm Sci** 1984 Aug;73(8):1074-80

Effect of relative humidity on drug release from phenytoin sodium tablets and capsules. Part 1: Commercial preparations. Akbuğa J, et al. **Pharmazie** 1984 Aug;39(8):560-1

Effect of relative humidity and ageing on drug release. Part 2: Experimental phenytoin sodium capsules. Akbuğa J, et al. **Pharmazie** 1984 Oct;39(10):695-6

[Study on phenytoin-selective electrode] Yao SZ, et al. **Yao Hsueh Hsueh Pao** 1984 Jun;19(6):455-60 (Eng. Abstr.) **(Chi)**

BLOOD

Discrepancy in serum phenytoin concentrations determined by two immunoassay methods in uremic patients. Reeves SE, et al. **Am J Hosp Pharm** 1985 Feb;42(2):359-61

Fluorescence polarization immunoassay of phenytoin employing a sulfonamido derivative of 2-naphthol-8-sulfonic acid as a label. O'Neal JS, et al. **Anal Chem** 1984 Dec;56(14):2888-91

A phenytoin assay using dried blood spot samples suitable for domiciliary therapeutic drug monitoring. Coombes EJ, et al. **Ann Clin Biochem** 1984 Nov;21 (Pt 6):519-22

Possible interaction between amiodarone and phenytoin. McGovern B, et al. **Ann Intern Med** 1984 Nov;101(5):650-1

The clinical value of free phenytoin levels. Theodore WH, et al. **Ann Neurol** 1985 Jul;18(1):90-3

Plasma protein binding of salicylic acid, phenytoin, chlorpromazine, propranolol and pethidine using equilibrium dialysis and ultracentrifugation. Verbeeck RK, et al. **Arzneimittelforschung** 1985;35(6):903-6

Monitoring free plasma concentrations of phenytoin. Peterson GM, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):971-3

Audit of a monitoring service for free phenytoin. Peterson GM, et al. **Br J Clin Pharmacol** 1985 May;19(5):693-7

Ligand displacement immunoassay—demonstration of its use for the measurement of serum phenobarbital and phenytoin. Hinds JA, et al. **Clin Chim Acta** 1985 Jul 15;149(2-3):105-15

Effect of different doses of valproic acid on the serum levels of total and free diphenylhydantoin. Alvarez N. **Clin Electroencephalogr** 1985 Apr;16(2):104-10

Increased serum phenytoin concentration following influenza vaccination. Levine M, et al. **Clin Pharm** 1984 Sep-Oct;3(5):505-9

A rapid method for separation and estimation of free phenytoin in serum. Ahmad SN, et al. **Indian J Exp Biol** 1984 Nov;22(11):605-7

Comparison of colorimetric, spectrophotometric & EMIT methods for estimation of phenytoin. Jailkhani BL, et al. **Indian J Med Res** 1984 May;79:679-83

Phenytoin bioavailability assessed by steady state serum concentrations. Halkin H, et al. **Isr J Med Sci** 1985 Apr;21(4):327-30

Bioavailability of phenytoin: comparison between three preparations. Kitzes R, et al. **Isr J Med Sci** 1985 Apr;21(4):323-6

Determination of plasma phenytoin by capillary gas chromatography with nitrogen-phosphorus detection and with selective ion monitoring. Bailey E, et al. **J Chromatogr** 1984 Sep 14;310(1):199-203

Determination of total and free phenytoin in serum by non-isotopic immunoassays and gas chromatography. Külpmann WR, et al. **J Clin Chem Clin Biochem** 1984 Nov;22(11):773-9

Phenytoin pharmacokinetics in therapeutic plasmapheresis. Nasca TJ, et al. **J Clin Pharmacol** 1985 May-Jun;25(4):302-4

Effect of enteral tube feeding on serum phenytoin levels. Ozuna J, et al. **J Neurosurg Nurs** 1984 Dec;16(6):289-91

Comparative in vivo and in vitro studies of phenytoin protein binding and in vitro lipolysis in plasma of pregnant and nonpregnant rats. Chou RC, et al. **J Pharm Sci** 1984 Aug;73(8):1121-4

Kinetics of drug action in disease states III: Effect of pregnancy on the relationship between phenytoin concentration and antiseizure activity in rats. Chou RC, et al. **J Pharm Sci** 1984 Oct;73(10):1348-51

Comparison of equilibrium dialysis, ultrafiltration, and gel permeation chromatography for the determination of free fractions of phenobarbital and phenytoin. Melten JW, et al. **J Pharm Sci** 1985 Jun;74(6):692-4

Differential effect of cimetidine on serum concentrations of carbamazepine and phenytoin. Levine M, et al. **Neurology** 1985 Apr;35(4):562-5

Time-dependent interaction between phenytoin and valproic acid. Riva R, et al. **Neurology** 1985 Apr;35(4):510-5

Interpreting drug levels. Cridland JS. **S Afr Med J** 1985 Mar 16;67(11):401-2

Gas chromatography versus immunoassay (EMIT) for analysis of free phenytoin in serum ultrafiltrate. Godolphin W, et al. **Ther Drug Monit** 1984;6(3):374-5

Steady-state serum levels of anticonvulsant drugs in Chinese epileptic patients living in Taiwan. Lai ML.

Ther Drug Monit 1985;7(1):83–6

Therapeutic blood levels of phenytoin in treatment of paroxysmal choreoathetosis. Wang BJ, et al. **Ther Drug Monit** 1985;7(1):81–2

Carbamazepine–phenytoin interaction: elevation of plasma phenytoin concentrations due to carbamazepine comedication. Zielinski JJ, et al. **Ther Drug Monit** 1985; 7(1):51–3

[Simultaneous determination of 4 anticonvulsant drugs by high pressure liquid chromatography (HPLC)] Andriolo A, et al. **Arq Neuropsiquiatr** 1984 Sep;42(3):203–8 (Eng. Abstr.) **(Por)**

[Efficient serum concentrations after single doses of antiepileptic drugs: concept of loading–dose] Bittencourt PR, et al. **Arq Neuropsiquiatr** 1985 Mar;43(1):11–6 (Eng. Abstr.) **(Por)**

CHEMICAL SYNTHESIS

Preparation of a phenytoin beta–cyclodextrin complex and evaluation of a suspension and a tablet dosage form prepared from the complex. Hegde RP, et al. **Pharm Acta Helv** 1985;60(2):53–7

METABOLISM

Effects of penicillins on binding of phenytoin to plasma proteins in vitro and in vivo. Arimori K, et al. **Biopharm Drug Dispos** 1984 Jul–Sep;5(3):219–27

Effects of ibuprofen on the disposition kinetics of phenytoin in pregnant rats. Cleveland PA, et al. **Biopharm Drug Dispos** 1985 Apr–Jun;6(2):167–76

A model describing the disposition of phenytoin in isolated rat hepatocytes. Morais JA, et al. **Biopharm Drug Dispos** 1984 Oct–Dec;5(4):357–76

Protein binding and CSF penetration of phenytoin following acute oral dosing in man. Brodie MJ, et al. **Br J Clin Pharmacol** 1985 Feb;19(2):161–8

Phenytoin absorption following jejunoileal bypass. Peterson DI. **Bull Clin Neurosci** 1983;48:148–9

Particle size dependency of dissolution rate and human bioavailability of phenytoin in powders and phenytoin–polyethylene glycol solid dispersions. Yakou S, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):4130–6

Absorption characteristics of three phenytoin sodium products after administration of oral loading doses. Goff DA, et al. **Clin Pharm** 1984 Nov–Dec;3(6):634–8

Interaction between metronidazole and drugs eliminated by oxidative metabolism. Jensen JC, et al. **Clin Pharmacol Ther** 1985 Apr;37(4):407–10

A theoretical and an in vitro experimental model for estimation of drug transfer through the human placenta. Mor L, et al. **Contrib Gynecol Obstet** 1985;13:155–7

Phenytoin clearance by continuous ambulatory peritoneal dialysis. Hays DP, et al. **Drug Intell Clin Pharm** 1985 Jun; 19(6):429–31

In vitro adsorption of sodium phenytoin by anion exchange resin [letter] Laurent D, et al. **Drug Intell Clin Pharm** 1985 Jul–Aug;19(7–8):584–5

Oxygen–18 incorporation studies of the metabolism of phenytoin to the catechol. Billings RE, et al. **Drug Metab Dispos** 1985 May–Jun;13(3):312–7

Inhibition of microsomal phenytoin metabolism by nafimidone and related imidazoles. Potency and structural considerations. Kapetanovic IM, et al. **Drug Metab Dispos** 1985 Jul–Aug;13(4):430–7

Nafimidone, an imidazole anticonvulsant, and its metabolite as potent inhibitors of microsomal metabolism of phenytoin and carbamazepine. Kapetanovic IM, et al. **Drug Metab Dispos** 1984 Sep–Oct;12(5):[illegible]4

Interactions between folate metabo[illegible] phenytoin metabolism, and liver microsomal cytochrome P450. Billings RE. **Drug Nutr Interact** 1984;3(1):21–32

Phenytoin metabolism in the cat after long–term oral administration. Hassell TM, et al. **Epilepsia** 1984 Oct; 25(5):556–63

Bioavailability and pharmacokinetics of phenytoin during pregnancy. Lander CM, et al. **Eur J Clin Pharmacol** 1984; 27(1):105–10

H–2 influences phenytoin binding and inhibition of prostaglandin synthesis. Gupta C, et al. **Immunogenetics** 1984;20(6):667–76

Studies with stable isotopes III: Pharmacokinetics of tracer doses of drug. Browne TR, et al. **J Clin Pharmacol** 1985 Jan–Feb;25(1):59–63

Studies with stable isotopes I: Changes in phenytoin pharmacokinetics and biotransformation during monotherapy. Browne TR, et al. **J Clin Pharmacol** 1985 Jan–Feb;25(1):43–50

Effect of protein on the absorption of phenytoin through everted gut preparations. Rosen A, et al. **J Pharm Pharmacol** 1985 Mar;37(3):154–8

Effect of folic acid on the pharmacokinetics of acutely administered phenytoin in pregnant and nonpregnant rats. Chou RC, et al. **J Pharm Sci** 1984 Aug;73(8):1180–2

Stable–isotope methodology for the bioavailability study of phenytoin during multiple–dosing regimens. Kasuya Y, et al. **J Pharm Sci** 1985 May;74(5):503–7

Phenytoin prodrugs V: In vivo evaluation of some water–soluble phenytoin prodrugs in dogs. Varia SA, et al. **J Pharm Sci** 1984 Aug;73(8):1080–7

Phenytoin prodrugs VI: In vivo evaluation of a phosphate ester prodrug of phenytoin after parenteral administration to rats. Varia SA, et al. **J Pharm Sci** 1984 Aug; 73(8):1087–90

Permeation of lipophilic drugs through synthetic elastomers. Bruck SD, et al. **Med Prog Technol** 1983–84;10(3):161–9

Phenytoin absorption in adults: effect of aging [letter] Ensom RJ, et al. **N Engl J Med** 1985 Sep 12;313(11):697

Modulation of specific [3H]phenytoin binding by benzodiazepines. Spero L. **Neurochem Res** 1985 Jun; 10(6):755–65

Effect of simultaneously ingested milk on phenytoin bioavailability. Dotson R, et al. **Neurology** 1985 Oct; 35(10):1526–7

Phenytoin as a probe of drug metabolism. Predicting clearance with a salivary sample. Bachmann K, et al. **Pharmacology** 1985;30(3):145–52

Single dose phenytoin clearance during erythromycin treatment. Bachmann K, et al. **Res Commun Chem Pathol Pharmacol** 1984 Nov; 46(2):207–17

Impaired phenytoin bioavailability secondary to cisplatinum, vinblastine, and bleomycin. Sylvester RK, et al. **Ther Drug Monit** 1984;6(3):302–5

[Bioavailabilities of three different phenytoin powders sold in Japan] Suzuki H, et al. **No To Hattatsu** 1985 Jan; 17(1):44–9 (Eng. Abstr.) **(Jpn)**

[The variability of plasma protein binding of phenytoin in epileptic patients with hypoalbuminemia] Mamada K, et al. **Yakugaku Zasshi** 1985 May;105(5):475–80 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effects of phenobarbital, diphenylhydantoin and carbamazepine on thyroid function in epileptic children. Rousso I, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984; 265:48–9

Damage of Purkinje cell axons following chronic phenytoin administration: an animal model of distal axonopathy. Volk B, et al. **Acta Neuropathol (Berl)** 1985;67(1–2):67–74

Effects of long–term primidone and phenytoin administration on canine hepatic function and morphology. Bunch SE, et al. **Am J Vet Res** 1985 Jan;46(1):105–15

Resistance to metocurine–induced neuromuscular blockade in patients receiving phenytoin. Ornstein E, et al. **Anesthesiology** 1985 Sep;63(3):294–8

Hypothyroidism and phenytoin [letter] Surks MI. **Ann Intern Med** 1985 Jun;102(6):871

Phenytoin interacts with calcium channels in brain membranes. Greenberg DA, et al. **Ann Neurol** 1984 Nov; 16(5):616–7

Phenytoin modulates connective tissue metabolism and cell proliferation in human skin fibroblast cultures. Moy LS, et al. **Arch Dermatol** 1985 Jan;121(1):79–83

Phenytoin effects on liver and kidney structure of the rat. García–Estrada J, et al. **Arch Invest Med (Mex)** 1985 Jan–Mar;16(1):1–10 **(Eng, Spa)**

Etifoxine: evaluation of its anticonvulsant profile in mice in comparison with sodium valproate, phenytoin and clobazam. Kruse HJ, et al. **Arzneimittelforsch** 1985; 35(1):133–5

Comparison between bretylium and diphenylhydantoin interaction with mucosal sodium–channels. Ilani A, et al. **Biochim Biophys Acta** 1984 Nov 7;777(2):323–30

Evaluation of cyclosporin–phenytoin interaction with observations on cyclosporin metabolites. Freeman DJ, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):887–93

Suppression by phenytoin of convulsant–induced afterdischarges at presynaptic nerve terminals. David G, et al. **Brain Res** 1985 Jul 22;339(1):57–65

Chronic phenytoin and the stereotyped motor response induced by 5–methoxy–N,N–dimethyltryptamine in rats. Lalonde R, et al. **Brain Res** 1985 Feb 11;326(2):388–91

Effect of phenytoin on intracellular calcium and intracellular protein changes during pentylenetetrazole–induced bursting activity in snail neurons. Sugaya E, et al. **Brain Res** 1985 Feb 18;327(1–2):161–8

Liver DNA synthesis after phenytoin injection in adult NMRI mice. Lombard MN, et al. **Cell Tissue Kinet** 1985 Sep;18(5):569–71

Biochemical mechanism of glucocorticoid–and phenytoin–induced cleft palate. Goldman AS. **Curr Top Dev Biol** 1984;19:217–39 (102 ref.)

Phenytoin enhances epoxide metabolism in human fetal liver cultures. Rane A, et al. **Drug Metab Dispos** 1985 May–Jun; 13(3):382–5

5,5'–Diphenylhydantoin (phenytoin) attenuates the action of 3,5,3'–triiodo–L–thyronine in cultured GC cells. Gingrich SA, et al. **Endocrinology** 1985 Jun;116(6):2306–13

Direct effects of diphenylhydantoin (phenytoin) on the ion–transporting ATPases of cultured osteoblast–like cells. Anderson RE, et al. **Epilepsia** 1984 Dec;25(6):773–8

Dopaminergic supersensitivity after long–term administration of phenytoin in rats. Lalonde R. **Epilepsia** 1985 Jan–Feb; 26(1):81–4

Effects of phenytoin administration on vestibular function in the rat. Mameli O, et al. **Epilepsia** 1985 May–Jun; 26(3):262–7

The effects of phenytoin on serum and organ concentrations of zinc and copper in cat. Palm R, et al. **Epilepsia** 1985 Mar–Apr;26(2):184–8

Interactions of the anticonvulsants diphenylhydantoin and carbamazepine with adenosine on cerebral cortical neurons. Phillis JW. **Epilepsia** 1984 Dec;25(6):765–72

Effects of acute and chronic phenytoin on the electrolyte content and the activities of Na+, K+–, Ca2+, Mg2+–, and HCO3– –ATPases and carbonic anhydrase of neonatal and adult rat cerebral cortex. White HS, et al. **Epilepsia** 1985 Jan–Feb;26(1):43–57

Effects of phenytoin on primary glial cell cultures. White HS, et al. **Epilepsia** 1985 Jan–Feb;26(1):58–68

Modification of the antiepileptic actions of phenobarbital and phenytoin by the taurine transport inhibitor, guanidinoethane sulfonate. Izumi K, et al. **Eur J Pharmacol** 1985 Apr 2;110(2):219–24

Adaptation of hepatic ammonia metabolism after chronic valproate administration in epileptics treated with phenytoin. Marescaux C, et al. **Eur Neurol** 1985;24(3):191–5

Phenytoin and thyroid hormone action. Franklyn JA, et al. **J Endocrinol** 1985 Feb;104(2):201–4

Anticonvulsant activity of diphenylhydantoin: pharmacological evidence for an alpha–adrenergic mechanism of action. Poncelet M, et al. **J Pharmacol** 1984 Oct–Dec;15(4):427–32

Effect of stimulus intensity on the profile of anticonvulsant activity of phenytoin, ethosuximide and valproate. Piredda SG, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):741–5

Effects of stimulation and diphenylhydantoin on the intracellular sodium activity in Purkinje fibres of sheep heart. Ellis D. **J Physiol (Lond)** 1985 May;362:331–48

Differential effect of antiepileptic and non–antiepileptic drugs on the reticular formation. Fromm GH, et al. **Life Sci** 1984 Dec 24;35(26):2665–73

Voltage clamp analysis of the inhibitory actions of diphenylhydantoin and carbamazepine on voltage–sensitive sodium channels in neuroblastoma cells. Willow M, et al. **Mol Pharmacol** 1985 May;27(5):549–58

The effect of diphenylhydantoin on the frequency of micronuclei in bone–marrow polychromatic erythrocytes of mice. Montes de Oca–Luna R, et al. **Mutat Res** 1984 Nov–Dec;141(3–4):183–7

Modulation by ouabain and diphenylhydantoin of veratridine–induced 22Na influx and its relation to 45Ca influx and the secretion of catecholamines in cultured bovine adrenal medullary cells. Wada A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):273–8

Benzodiazepine receptors are not involved in the neurotoxicity and anti–electroshock activity of phenytoin in mice. Chweh AY, et al. **Neurosci Lett** 1985 Jun 24; 57(3):279–82

Diphenylhydantoin reduces veratridine–induced sodium permeability in frog skeletal muscle. McKinney LC. **Neurosci Lett** 1985 Apr 9;55(2):173–8

Comparison of anticonvulsive properties of eboracin and phenytoin in mice. Alexander GJ, et al. **Pharmacol Biochem Behav** 1985 Jan;22(1):53–5

Effects of phenytoin, phenobarbital, and valproic acid, alone and in selected combinations, on schedule–controlled behavior of rats. Picker M, et al. **Pharmacol Biochem Behav** 1985 Mar;22(3):389–93

The effects of valproate and phenytoin on the cAMP and cGMP levels in nervous tissue. Nosek TM. **Proc Soc Exp Biol Med** 1985 Feb;178(2):196–9

Species differences in phenytoin induction of cytochrome P450 due to pharmacokinetic differences. Billings RE, et al. **Proc West Pharmacol Soc** 1984;27:539–42

Psychopharmacological profile of diphenylhydantoin in mice. Poncelet M, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(3):373–8

Dopaminomimetic action of diphenylhydantoin in rat striatum: effect on homovanillic acid and cyclic AMP levels. Lepore V, et al. **Psychopharmacology (Berlin)** 1985; 86(1–2):27–30

[Effects of diphenylhydantoin on thyroid function] Giroud M, et al. **Therapie** 1985 Mar–Apr;40(2):119–22 (Eng. Abstr.) **(Fre)**

[Phenytoin––change in bioavailability and toxicity] Garty M, et al. **Harefuah** 1984 Nov 15;107(10):296–8 **(Heb)**

[Effect of difenin on taurine binding by subcellular fractions of nerve cells] Gurevich VS, et al. **Farmakol Toksikol** 1984 Nov–Dec;47(6):74–7 (Eng. Abstr.) **(Rus)**

[Clinical pharmacology of carbamazepine––a comparison with phenytoin] Bertilsson L, et al. **Lakartidningen** 1985 Apr 10;82(15):1355–60 **(Swe)**

POISONING

Hypothyroidism and phenytoin intoxication [letter] Finnerty JP. **Ann Intern Med** 1985 Oct;103(4):639–40

Phenytoin toxicity and co–trimoxazole [letter] Gillman MA, et al. **Ann Intern Med** 1985 Apr;102(4):559

Hypothyroidism and phenytoin intoxication. Kushnir M, et al. **Ann Intern Med** 1985 Mar;102(3):341–2

CT findings following diphenylhydantoin intoxication. Baier WK, et al. **Pediatr Radiol** 1985;15(4):220–1

[Hydantoin atrophy (degeneration) of the cerebellum] Procházková V, et al. **Cesk Neurol Neurochir** 1984 Aug; 47(4):261–4 (Eng. Abstr.) **(Cze)**

[Total ophthalmoplegia and brainstem auditory evoked response abnormalities in a patient with acute phenytoin intoxication] Oda R, et al. **Rinsho Shinkeigaku** 1984 Jun; 24(6):586–92 (Eng. Abstr.) **(Jpn)**

EWARK PUBLIC LIBRARY

THERAPEUTIC USE

Phenytoin improves hemodynamic tolerance and survival after severe hypoxia. Aldrete JA, et al. **Anesth Analg** 1984 Nov;63(11):1021-4

Which drug for the adult epileptic patient: phenytoin or valproate? Turnbull DM, et al. **Br Med J [Clin Res]** 1985 Mar 16;290(6471):815-9

Efficacy of phenobarbital in neonatal seizures. Van Orman CB, et al. **Can J Neurol Sci** 1985 May;12(2):95-9

Phenytoin revisited. Finkel MJ. **Clin Ther** 1984;6(5):577-91 (57 ref.)

A comparative study of laboratory parameters in head-injured patients receiving either phenytoin or placebo for 24 months. Bertch KE, et al. **Drug Intell Clin Pharm** 1985 Jul-Aug;19(7-8):561-6

Multiple effects of 5,5'-diphenylhydantoin on the thyroid hormone system. Smith PJ, et al. **Endocr Rev** 1984 Fall; 5(4):514-24 (67 ref.)

Efficacy of phenytoin, procainamide, and tocainide in murine genetic myotonia. Aichele R, et al. **Exp Neurol** 1985 Feb; 87(2):377-81

Management of esophageal stenosis in recessive dystrophic epidermolysis bullosa. Feurle GE, et al. **Gastroenterology** 1984 Dec;87(6):1376-80

Is misonidazole neurotoxicity altered by the use of phenytoin and/or dexamethasone in RTOG 79-18 and RTOG 79-16? Nelson DF, et al. **Int J Radiat Oncol Biol Phys** 1984 Sep; 10(9):1731-4

Role of combination of valproic acid with diphenylhydantoin and carbamazepine in the management of intractable seizures. Ashok PP, et al. **J Assoc Physicians India** 1984 Jul;32(7):565-7

Prophylactic phenytoin in tricyclic overdose [clinical conference] **J Emerg Med** 1983;1(2):169-77

A prospective study between carbamazepine, phenytoin and sodium valproate as monotherapy in previously untreated and recently diagnosed patients with epilepsy. Callaghan N, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul; 48(7):639-44

Phenytoin impairs the bioavailability of dexamethasone in neurological and neurosurgical patients. Chalk JB, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1087-90

Anticonvulsant drugs alter plasma tryptophan concentrations in epileptic patients: implications for antiepileptic action and mental function. Pratt JA, et al. **J Neurol Neurosurg Psychiatry** 1984 Oct;47(10):1131-3

Description and analysis of the myotonolytic effects of phenytoin in the decerebrate cat: implications for potential utility of phenytoin in spastic disorders. Raines A, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):283-94

Effects of 5,5-diphenylhydantoin (phenytoin) on neurobehavioral toxicity of organochlorine insecticides and permethrin. Tilson HA, et al. **J Pharmacol Exp Ther** 1985 May;233(2):285-9

Prophylactic anticonvulsants during chemotherapy [letter] Thalayasingam B. **Lancet** 1985 Apr 6;1(8432):818-9

Comparison of carbamazepine, phenobarbital, phenytoin, and primidone in partial and secondarily generalized tonic-clonic seizures. Mattson RH, et al. **N Engl J Med** 1985 Jul 18;313(3):145-51

Epileptic amnesic attacks: benefit from antiepileptic drugs. Pritchard PB 3d, et al. **Neurology** 1985 Aug;35(8):1188-9

Improvement of psychomotor epilepsy due to interaction of phenytoin-isoniazid [letter] Thulasimnay M, et al. **Tubercle** 1984 Sep;65(3):229-30

[Treatment of partial motor status epilepticus in adults with intravenous diphenylhydantoin (DPH). Prospective study of 50 cases] Mauguière F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1984 Dec; 14(3):207-11 (Eng. Abstr.) **(Fre)**

[Phenytoin in recessive dystrophic epidermolysis bullosa] Armoni M, et al. **Harefuah** 1984 Nov 15;107(10):285-7 (Eng. Abstr.) **(Heb)**

[Epilepsy, anticonvulsants and pregnancy] Guzmán Toledano R, et al. **Ginecol Obstet Mex** 1984 Sep;52(329):225-6 (Eng. Abstr.) **(Spa)**

TOXICITY

Variable patterns of malformation in the mouse fetal hydantoin syndrome. Finnell RH, et al. **Am J Med Genet** 1984 Nov;19(3):463-71

Neurotoxic and antihypertensive effects of phenytoin in turkeys. Simpson CF, et al. **J Pharmacol Exp Ther** 1985 Jun;233(3):853-6

Alteration of bone marrow cell cycle kinetics by diphenylhydantoin: relationship to folate utilization and immune function. Tucker AN, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):57-62

Phenytoin toxicity secondary to cimetidine administration [letter] Phillips P, et al. **Med J Aust** 1984 Oct 27;141(9):602

Mutagenic potential of anticonvulsant diphyenylhydantoin (DPH) on human lymphocytes in vitro. Maurya AK, et al. **Methods Find Exp Clin Pharmacol** 1985 Mar;7(3):109-12

Mutagenicity of antiepileptic drugs. II. Phenytoin, primidone and phenobarbital. Riedel L, et al. **Mutat Res** 1984 Oct; 138(1):71-4

Phenytoin and trimethadione: pharmacokinetics, embryotoxicity, and maternal toxicity. Khera KS. **Prog Clin Biol Res** 1985;163C:317-22

Humoral immune dysfunction as a result of prenatal exposure to diphenylhydantoin: correlation with the occurrence of physical defects. Chapman JR, et al. **Teratology** 1984 Aug; 30(1):107-17

Phenytoin teratogenicity and effects on embryonic and maternal folate metabolism. Hansen DK, et al. **Teratology** 1985 Jun;31(3):363-71

Potentiation of the teratogenic effects and altered disposition of diphenylhydantoin in mice fed a purified diet. McClain RM, et al. **Toxicol Appl Pharmacol** 1985 Jan;77(1):86-93

The water, DNA, collagen and noncollagen protein contents in embryos after maternal administration of a teratogenic dose of phenytoin. Hicks HE, et al. **Toxicol Lett** 1985 Apr; 25(1):41-6

[Experimental study of the cerebellar cortex after hydantoin administration] Fernández García H, et al. **Arch Neurobiol (Madr)** 1984 Nov-Dec;47(6):353-62 (Eng. Abstr.) **(Spa)**

PHEOCHROMOCYTOMA

[Diagnosis and localization of pheochromocytoma] Mustajoki P, et al. **Duodecim** 1984;100(13):777-84 (Eng. Abstr.) **(Fin)**

[Deaths during anesthesia: pheochromocytoma?] Melloni C, et al. **Minerva Anestesiol** 1984 Dec;50(12):615-8 (Eng. Abstr.) **(Ita)**

[Pheochromocytoma of the bladder] Ceriani R, et al. **Minerva Urol Nefrol** 1984 Jan-Mar;36(1):65-8 (Eng. Abstr.) **(Ita)**

ANALYSIS

Demonstration and characterization of immunoreactive methionine-enkephalin, leucine-enkephalin, methionine-enkephalin-Arg6-Gly7-Leu8 and methionine-enkephalin-Arg6-Phe7 in human phaeochromocytoma. Yoshimasa T, et al. **Acta Endocrinol (Copenh)** 1984 Oct;107(2):261-7

Distribution of chromogranin and S100 protein in normal and abnormal adrenal medullary tissues. Lloyd RV, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):633-5

Enkephalins in pheochromocytoma: studies in a rat model. Parmer RJ, et al. **Clin Exp Hypertens [A]** 1985;7(4):483-512

Regulation of peripherin in mouse neuroblastoma and rat PC 12 pheochromocytoma cell lines. Portier MM, et al. **Dev Neurosci** 1983-84;6(4-5):215-26

Immunohistochemical localization of Met-enkephalin, Met-enkephalin-Arg6-Gly7-Leu8, Met-enkephalin-Arg6-Phe7 and Leu-enkephalin in human adrenal medulla and pheochromocytomas. Osamura RY, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):993-1000

Characterisation of Met-enkephalin(Arg6,Phe7) immunoreactivity in human adrenal and human phaeochromocytoma. Boarder MR, et al. **Regul Pept** 1984 Oct;9(3):187-97

BLOOD

Serotonin (5-hydroxytryptamine) in medullary thyroid carcinoma with or without pheochromocytoma. Engbaek F. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):469-73

Catecholamines in plasma and erythrocytes of rats with transplantable pheochromocytoma. Alexander N, et al. **Life Sci** 1985 Feb 11;36(6):571-7

Chromatographic characterisation of the circulating neuropeptide Y immunoreactivity from patients with phaeochromocytoma. Corder R, et al. **Regul Pept** 1985 Mar;10(2-3):91-7

[Chemical and hematological changes in pheochromocytoma] Chávez Lara B, et al. **Arch Inst Cardiol Mex** 1985 Mar-Apr;55(2):141-5 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Pheochromocytoma supplied by the dorsal pancreatic artery. Miller DL, et al. **AJR** 1985 Aug;145(2):385-6

CHEMICALLY INDUCED

High incidences of pheochromocytomas after long-term administration of retinol acetate to F344/DuCrj rats. Kurokawa Y, et al. **JNCI** 1985 Mar;74(3):715-23

COMPLICATIONS

Micturition-induced hypertension in a 58-year-old woman [clinical conference] **Am J Med** 1985 Feb;78(2):307-16

Clinical significance of the association of the Von Hippel-Lindau disease with pheochromocytoma and pancreatic apudoma. Mulshine JL, et al. **Am J Med Sci** 1984 Dec;288(5):212-6

Hypercalcemia in pheochromocytoma. Evidence for a novel mechanism. Stewart AF, et al. **Ann Intern Med** 1985 Jun; 102(6):776-9

Pontine hemorrhage in a patient with pheochromocytoma. Scardigli K, et al. **Arch Intern Med** 1985 Feb;145(2):343-4

Phaeochromocytoma and renal artery stenosis. Netri G, et al. **Br J Surg** 1985 Mar;72(3):192

Perioperative management of a patient with a malignant pheochromocytoma. Miller D, et al. **Can Anaesth Soc J** 1985 May;32(3 Pt 1):278-82

Acute renal failure and transient, massive proteinuria in a case of pheochromocytoma. Takabatake T, et al. **Clin Nephrol** 1985 Jul;24(1):47-9

Phaeochromocytoma presenting in pregnancy. Mulcahy D, et al. **Ir J Med Sci** 1984 Nov;153(11):389-91

Undiagnosed phaeochromocytoma in a patient with Von Recklinghausen's neurofibromatosis. Walsh G, et al. **Ir J Med Sci** 1984 Jun;153(6):221-2

Pheochromocytoma of the organ of Zuckerkandl presenting as shock. Ciobotaru M, et al. **Isr J Med Sci** 1985 Jun; 21(6):517-9

Extra-adrenal pheochromocytoma with reversible renal artery stenosis. Del Gaudio A. **Ital J Surg Sci** 1984; 14(3):237-40

Transient hemiparesis--a cautionary tale: coexistence of phaeochromocytoma and intracranial aneurysm [letter] Jha AN, et al. **J Neurol Neurosurg Psychiatry** 1985 Feb; 48(2):188-9

Adult respiratory distress syndrome in a pregnant patient with a pheochromocytoma. Feldman JM. **J Surg Oncol** 1985 May;29(1):5-7

Pheochromocytoma with hypercalcemia: case report and review of literature. Shanberg AM, et al. **J Urol** 1985 Feb; 133(2):258-9

Elevated prostaglandin and indomethacin-responsive hypercalcemia in a patient with malignant pheochromocytoma. Uchida T, et al. **J Urol** 1985 Oct; 134(4):712-3

Snuff-induced hypertension in pheochromocytoma. McPhaul M, et al. **JAMA** 1984 Nov 23-30;252(20):2860-2

Pheochromocytoma, renal artery stenosis, and lymphocytic lymphoma associated with von Recklinghausen's neurofibromatosis. Case report and literature review. Kremen AF, et al. **Minn Med** 1985 Feb;68(2):99-101

'Hypotension' as presenting symptom in fatal and near-fatal pure adrenaline-secreting phaeochromocytomas. Lamberts SW, et al. **Neth J Med** 1984;27(10):385-8

Electroconvulsive therapy in a patient with unsuspected pheochromocytoma. Carr ME Jr, et al. **South Med J** 1985 May;78(5):613-5

Hypercortisolism, diarrhea with steatorrhea, and massive proteinuria due to pheochromocytoma. Interlandi JW, et al. **South Med J** 1985 Jul;78(7):879-83

Focal segmental glomerulosclerosis associated with a pheochromocytoma. Endoh M, et al. **Tokai J Exp Clin Med** 1984 Aug;9(3):191-7

Micturitional hypertension and retropubic mass. Russo P, et al. **Urol Radiol** 1984;6(3-4):230-3

[Pheochromocytoma with hypotension and shock: diagnosis and therapy (letter)] Drexel H, et al. **Dtsch Med Wochenschr** 1985 Jun 28;110(26):1056-7 **(Ger)**

[Hypotension and shock in pheochromocytoma] Kieler C, et al. **Dtsch Med Wochenschr** 1984 Dec 7;109(49):1885-9 (Eng. Abstr.) **(Ger)**

[Gastric ulcer associated with malignant pheochromocytoma: coincidence or correlation?] Sportiello V. **Minerva Endocrinol** 1984 Jan-Mar;9(1):49-50 **(Ita)**

[A case of pheochromocytoma with left ventricular configuration mimicking hypertrophic obstructive cardiomyopathy] Shigematsu Y, et al. **Kokyu To Junkan** 1985 Jun;33(6):823-7 (Eng. Abstr.) **(Jpn)**

[The cardiovascular system and the kidneys in pheochromocytoma] Potapova GN. **Kardiologiia** 1984 Jul; 24(7):118-23 (70 ref.) **(Rus)**

[Malignant hypertension syndrome caused by aldosteroma-pheochromocytoma] Kretinina LN, et al. **Pediatriia** 1984 Aug;(8):58 **(Rus)**

[State of the blood kinin system in patients with adrenal hypertension] Bezverkhaia TP, et al. **Vrach Delo** 1984 Dec; (12):64-6 (Eng. Abstr.) **(Rus)**

[Anesthesia in a case of retroperitoneal paraganglioma not diagnosed preoperatively] Rodríguez Alvarez E, et al. **Rev Esp Anestesiol Reanim** 1984 Nov-Dec;31(6):253-5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Undiagnosed phaeochromocytoma in the perioperative period. Case reports. Sellevold OF, et al. **Acta Anaesthesiol Scand** 1985 Jul;29(5):474-9

Pheochromocytoma: antepartum diagnosis and management with tumor resection in the puerperium. Venuto R, et al. **Am J Obstet Gynecol** 1984 Oct 15;150(4):431-2

Localization of mediastinal paragangliomas (pheochromocytoma). Sheps SG, et al. **Chest** 1985 Jun; 87(6):807-9

Diagnosis of pheochromocytoma. Eckfeldt JH, et al. **Clin Lab Med** 1984 Dec;4(4):703-16 (69 ref.)

An expert system which critiques patient workup: modeling conflicting expertise. Miller PL, et al. **Comput Biomed Res** 1984 Dec;17(6):554-69

Importance of early diagnosis and follow-up in multiple endocrine neoplasia (MEN II B). Frank K, et al. **Eur J Pediatr** 1984 Dec;143(2):112-6

Pseudopheochromocytoma [clinical conference] Kuchel O. **Hypertension** 1985 Jan-Feb;7(1):151-8

Pheochromocytoma [letter] Vyas PK, et al. **Indian Pediatr** 1984 Oct;21(10):827-8

Comparison of iodobenzylguanidine imaging with computed tomography in locating pheochromocytoma. Chatal JF, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):769-72

MR imaging of pheochromocytomas. Fink IJ, et al. **J Comput Assist Tomogr** 1985 May-Jun;9(3):454-8

Clonidine-suppression test in epinephrine secreting pheochromocytoma: report of a case. Dupont AG, et al. **J Endocrinol Invest** 1985 Apr;8(2):153-6

Family practice grand rounds. Functional bowel syndrome, pheochromocytoma, or demonio? Berlin EA, et al. **J Fam Pract** 1985 Mar;20(3):239, 242, 246-8 passim

Erroneous diagnosis of phaeochromocytoma in hypertensive patient on labetalol. Bouloux PM, et al. **J R Soc Med** 1985 Jul;78(7):588-9

A new method of identifying pheochromocytoma and proving that a 'mass' is a 'pheo' [editorial] Beierwaltes WH. **J Urol** 1985 Jul;134(1):105

Pseudopheochromocytoma and cardiac arrest associated with phenylpropanolamine. Hyams JS, et al. **JAMA** 1985 Mar 15;253(11):1609-10

Ultrasound demonstration of a pheochromocytoma of the bladder. Goodman A, et al. **JCU** 1984 Oct;12(8):507-8

Comparison of 131I-metaiodobenzylguanidine scintigraphy with urinary and plasma catecholamine determinations in the diagnosis of pheochromocytoma. Plewe G, et al. **Klin Wochenschr** 1985 Jul 15;63(14):627-30

Apologia for older techniques for localising phaeochromocytoma [letter] Brown MJ, et al. **Lancet** 1984 Dec 1;2(8414):1274

Diagnosis of pheochromocytoma [letter] **N Engl J Med** 1985 Mar 14;312(11):721-5

Current concepts. Pheochromocytoma: diagnosis, localization and management. Bravo EL, et al. **N Engl J Med** 1984 Nov 15;311(20):1298-303 (24 ref.)

Pseudo-phaeochromocytoma due to alcohol withdrawal. Potter JF, et al. **Postgrad Med J** 1985 Aug;61(718):721-3

Pheochromocytoma in pregnancy: diagnosis and collaborative management. Griffin JB, et al. **South Med J** 1984 Oct;77(10):1325-7

Pheochromocytoma of the urinary bladder--a case report and review of the literature. Schütz W, et al. **Urol Int** 1984; 39(4):250-5

Nonfunctioning pheochromocytoma. Simpson ET, et al. **Urology** 1985 Jun;25(6):632-3

A clinico-pathological study on phaeochromocytoma at the University Hospital of the West Indies. Charles C, et al. **West Indian** Med J 1984 Dec;33(4):241-5

Prevalence of C-cell hyperplasia and medullary thyroid carcinoma in a consecutive series of pheochromocytoma patients. Jansson S, et al. **World J Surg** 1984 Aug; 8(4):493-500

A clinical scoring system for detection of patients with pheochromocytomas. Black HR, et al. **Yale J Biol Med** 1984 May-Jun;57(3):259-72

[Comparison of the clinical manifestations of pheochromocytoma in adults and children] Qian RL. **Chung Hua I Hsueh Tsa Chih** 1984 Dec;64(12):745-8, 792 (Eng. Abstr.) **(Chi)**

[Ophthalmologic manifestations disclosing pheochromocytoma: apropos of 3 cases] Karsenti G, et al. **Bull Soc Ophtalmol Fr** 1984 Aug-Sep;84(8-9):1001-5 **(Fre)**

[Malignant pheochromocytoma. A case] Ducornet B, et al. **Presse Med** 1985 Jan 26;14(3):147-50 (Eng. Abstr.) **(Fre)**

[A case of pheochromocytoma with cardiac localization. Review of the literature] Geisler F, et al. **Presse Med** 1985 May 4;14(18):1024-6 (Eng. Abstr.) **(Fre)**

[The clonidine inhibition test: an aid in the diagnosis and postoperative therapeutic control in pheochromocytoma] Schofer J, et al. **Dtsch Med Wochenschr** 1985 Sep 13; 110(37):1403-7 (Eng. Abstr.) **(Ger)**

[Typical spontaneous changes in heart rate in pheochromocytoma] Bramann HU, et al. **Z Kardiol** 1985 Jan;74(1):55-9 (Eng. Abstr.) **(Ger)**

[Pheochromocytoma. 2 cases diagnosed by newer technics] Dahl T, et al. **Tidsskr Nor Laegeforen** 1984 Nov 20; 104(32):2244-7 (Eng. Abstr.) **(Nor)**

[Clinical picture of pheochromocytoma in the light of observations of 47 patients] Januszewicz W, et al. **Pol Arch Med Wewn** 1984 Oct;72(4):211-20 (Eng. Abstr.) **(Pol)**

[Pheochromocytoma with extra-adrenal localization associated with neurofibromatosis] Mizan K, et al. **Pol Tyg Lek** 1984 Jun 11;39(24):833-5 (Eng. Abstr.) **(Pol)**

[Pheochromocytoma--diagnosis and treatment] Januszewicz W, et al. **Wiad Lek** 1984 Sep 15;37(18):1465-73 **(Pol)**

[Diagnosis of pheochromocytoma] Potapova GN. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):120-4 (75 ref.) **(Rus)**

[Echographic diagnosis of adrenal tumors] Rybakov SI, et al. **Klin Khir** 1984 Dec;(12):20-2 (Eng. Abstr.) **(Rus)**

[Diagnostic difficulties in giant pheochromocytoma] Amirova HM, et al. **Probl Endokrinol (Mosk)** 1984 Nov-Dec;30(6):34-5 **(Rus)**

[Characteristics of the clinical course of pheochromocytoma] Potapova GN, et al. **Sov Med** 1985;(3):107-11 **(Rus)**

[Pheochromocytoma. Experience in 25 cases] Lucón AM, et al. **Arch Esp Urol** 1984 Dec;37 Suppl 1:639-47 (Eng. Abstr.) **(Spa)**

[Diagnosis and localization of pheochromocytoma] Mustajoki P, et al. **Nord Med** 1985;100(1):16-9 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Pheochromocytoma in pregnancy. Experience of treatment with phenoxybenzamine in three patients. Stenström G, et al. **Acta Obstet Gynecol Scand** 1985;64(4):357-61

Streptozotocin therapy for malignant pheochromocytoma [letter] Gross DJ, et al. **Arch Intern Med** 1985 Feb; 145(2):367-8

Labetalol and phaeochromocytoma [letter] Navaratnarajah M, et al. **Br J Anaesth** 1984 Oct;56(10):1179

Treatment of a phaeochromocytoma of the urinary bladder with nifedipine. Lenders JW, et al. **Br Med J [Clin Res]** 1985 Jun 1;290(6482):1624-5

Effect of fusaric acid (a dopamine beta-hydroxylase inhibitor) on phaeochromocytoma. Nagasaka A, et al. **Clin Endocrinol (Oxf)** 1985 Apr;22(4):437-44

Preoperative management of pheochromocytoma with the calcium-antagonist nifedipine. Chimori K, et al. **Clin Ther** 1985;7(3):372-9

Treatment of malignant pheochromocytoma with combination chemotherapy. Keiser HR, et al. **Hypertension** 1985 May-Jun;7(3 Pt 2):I18-24

Chemotherapy trials in malignant pheochromocytoma: report of two patients and review of the literature. Bukowski RM, et al. **J Surg Oncol** 1984 Oct;27(2):89-92

Captopril and phaeochromocytoma [letter] Israeli A, et al. **Lancet** 1985 Aug 3;2(8449):278-9

Increase in blood pressure in pheochromocytoma induced by domperidone and metoclopramide. Ichikawa S, et al. **Tohoku J Exp Med** 1985 Jun;146(2):149-52

EMBRYOLOGY

Neurocrest and colonic tumors: new clinical syndrome. Report of three cases. Wade JL 3d, et al. **Am J Med** 1984 Oct;77(4):725-8

ENZYMOLOGY

Sulfation and constitutive secretion of dopamine beta-hydroxylase from rat pheochromocytoma (PC12) cells. McHugh EM, et al. **J Biol Chem** 1985 Apr 10; 260(7):4409-17

Partial purification and characterization of a nerve growth factor-sensitive kinase and its substrate from PC12 cells. Togari A, et al. **J Biol Chem** 1985 Mar 25;260(6):3804-11

Atypical distribution of asymmetric acetylcholinesterase in mutant PC12 pheochromocytoma cells lacking a cell surface heparan sulfate proteoglycan. Inestrosa NC, et al. **J Neurochem** 1985 Jul;45(1):86-94

Dopamine-beta-hydroxylase: structural comparisons of membrane-bound versus soluble forms from adrenal medulla and pheochromocytoma. Sokoloff RL, et al. **J Neurochem** 1985 Feb;44(2):411-20

Monoclonal antibodies to tyrosine hydroxylase from rat pheochromocytoma PC12h cells with special reference to nerve growth factor-mediated increase of the immunoprecipitable enzymes. Hatanaka H, et al. **Neurosci Res** 1984 Aug;1(4):253-63

ETIOLOGY

Adenomatous polyposis coli and multiple endocrine neoplasia type 2b. A pathogenetic relationship. Perkins JT, et al. **Cancer** 1985 Jan 15;55(2):375-81

FAMILIAL & GENETIC

A genealogical study from an area of endemic degeneration. Křemenová J, et al. **Acta Univ Carol [Med] (Praha)** 1984; 30(1-2):43 63

Familial extra-adrenal pheochromocytoma [editorial] Ansari AN. **Arch Intern Med** 1985 Feb;145(2):228-9

Familial extra-adrenal pheochromocytoma. A new syndrome. Glowniak JV, et al. **Arch Intern Med** 1985 Feb; 145(2):257-61

Mutants of PC12 cells with altered cyclic AMP responses. Block T, et al. **Mol Cell Biol** 1984 Oct;4(10):2091-7

[Familial Sipple's syndrome. Reflections apropos of 4 cases and a survey on 26 members of a family] Pedinielli L, et al. **Chirurgie** 1984;110(4):380-9 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Cell surface Thy-1-cross-reactive glycoprotein in cultured PC12 cells: modulation by nerve growth factor and association with the cytoskeleton. Richter-Landsberg C, et al. **J Neurosci** 1985 Feb;5(2):468-76

Expression of neurofilament antigens by normal and neoplastic human adrenal chromaffin cells. Trojanowski JQ, et al. **N Engl J Med** 1985 Jul 11;313(2):101-4

METABOLISM

Tetanus toxin affects the K+-stimulated release of catecholamines from nerve growth factor-treated PC12 cells. Figliomeni B, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):249-56

Myosin and myosin phosphorylation in pheochromocytoma (PC12) cells. Englert DF, et al. **Biochim Biophys Acta** 1984 Nov 6;802(1):77-82

Vasoactive intestinal polypeptide-, somatostatin-, and calcitonin-producing adrenal pheochromocytoma associated with the watery diarrhea (WDHH) syndrome. First case report with immunohistochemical findings. Viale G, et al. **Cancer** 1985 Mar 1;55(5):1099-106

Sulphate conjugation limits fluctuations in free catecholamines in phaeochromocytoma. Vandongen R, et al. **Clin Exp Pharmacol Physiol** 1985 May-Jun;12(3):279-83

Effect of metoclopramide on plasma catecholamine release in essential hypertension. Kuchel O, et al. **Clin Pharmacol Ther** 1985 Apr;37(4):372-5

Immunocytochemical study of PC12 cells grafted to the brain of immature rats. Jaeger CB. **Exp Brain Res** 1985; 59(3):615-24

The effect of nerve growth factor (NGF) on the catecholamine contents of two human pheochromocytomas in tissue culture. Pfragner R, et al. **Exp Pathol** 1984; 26(1):21-31

Visualisation of messenger RNA directing peptide synthesis by in situ hybridisation using a novel single-stranded cDNA probe. Potential for the investigation of gene expression and endocrine cell activity. Varndell IM, et al. **Histochemistry** 1984;81(6):597-601

Association of 125I-nerve growth factor with PC12 pheochromocytoma cells. Evidence for internalization via high-affinity receptors only and for long-term regulation by nerve growth factor of both high- and low-affinity receptors. Bernd P, et al. **J Biol Chem** 1984 Dec 25; 259(24):15509-16

Molecular characteristics of nerve growth factor receptors on PC12 cells. Hosang M, et al. **J Biol Chem** 1985 Jan 10;260(1):655-62

Two receptor classes for epidermal growth factor on pheochromocytoma cells, distinguishable by temperature, lectins, and tumor promoters. Boonstra J, et al. **J Cell Physiol** 1985 Jun;123(3):347-52

Increased content of neuropeptide Y in human pheochromocytoma cell cultures. Tischler AS, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):303-5

Regulation of dopamine release from PC12 pheochromocytoma cell cultures during stimulation with elevated potassium or carbachol. Baizer L, et al. **J Neurochem** 1985 Feb;44(2):495-501

Effects of monovalent ions on the transport of noradrenaline across the plasma membrane of neuronal cells (PC-12 cells). Harder R, et al. **J Neurochem** 1985 Oct;45(4):1154-62

Association of serotonin, dopamine, or noradrenaline with an actin-like component in pheochromocytoma (PC12) cells. Small DH, et al. **J Neurochem** 1985 Sep;45(3):825-31

Nerve growth factor-treated, neurite-bearing PC12 cells continue to synthesize DNA. Ignatius MJ, et al. **J Neurosci** 1985 Feb;5(2):343-51

Rapid clearance of iodine-131 MIBG from the heart and liver of patients with adrenergic dysfunction and pheochromocytoma. Nakajo M, et al. **J Nucl Med** 1985 Apr;26(4):357-65

The metabolism of estradiol 17-sulfate by pheochromocytoma tissue. Yoshizawa I, et al. **J Steroid Biochem** 1985 Aug;23(2):239-41

Regulation of tyrosine hydroxylase phosphorylation in PC12 pheochromocytoma cells by elevated K+ and nerve growth factor. Evidence for different mechanisms of action. Lee KY, et al. **Mol Pharmacol** 1985 Aug;28(2):220-8

Agonist-induced regulation of the neuronal nicotinic acetylcholine receptor of PC12 cells. Robinson D, et al. **Mol Pharmacol** 1985 Apr;27(4):409-17

Production of growth hormone-releasing factor in pheochromocytoma [letter] Sano T, et al. **N Engl J Med** 1984 Dec 6;311(23):1520

Renal prostaglandin E in pheochromocytoma. Hsieh BS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Aug;83(8):821-7

[Increased conjugated catecholamines in urine and blood after removal of pheochromocytoma] Shibata O, et al. **Masui** 1985 Apr;34(4):434-9 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Positive correlation between urinary excretion of catecholamine metabolites and tumour mass in pheochromocytoma. Results in patients with sustained and paroxysmal hypertension and multiple endocrine neoplasia. Stenström G, et al. **Acta Med Scand** 1985;217(1):73-7

Malignant pheochromocytoma with ACTH production. Kakudo K, et al. **Acta Pathol Jpn** 1984 Nov;34(6):1403-10

Pheochromocytoma-ganglioneuroma of the adrenal. Kragel PJ, et al. **Arch Pathol Lab Med** 1985 May;109(5):470-2

Fine needle aspiration biopsy: a cautionary tale. Lambert MA, et al. **Br J Surg** 1985 May;72(5):364

Malignant phaeochromocytoma. Lewi HJ, et al. **Br J Urol** 1985 Aug;57(4):394-8

Malignant pheochromocytoma with ganglioneuroblastoma elements in a patient with von Recklinghausen's disease. Nakagawara A, et al. **Cancer** 1985 Jun 15;55(12):2794-8

Adrenal pheochromocytoma: a clinicopathologic review of 60 cases. Medeiros LJ, et al. **Hum Pathol** 1985 Jun; 16(6):580-9

Bilateral pheochromocytomas. Kalff V, et al. **J Endocrinol Invest** 1984 Aug;7(4):387-92

The effect of fibroblast growth factor on PC12 cells. Togari A, et al. **J Neurosci** 1985 Feb;5(2):307-16

MEA III presenting as pheochromocytoma and complicating pregnancy and the puerperium. A case report. Epstein H, et al. **J Reprod Med** 1985 Jun;30(6):501-4

Further characterization of substratum influence on PC12 cell shape and dopamine processing. Bethea CL, et al. **Mol Cell Endocrinol** 1985 Aug;42(1):59-72

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 9-1985. A 42-year-old woman with hypertension, hematemesis, and metabolic acidosis. **N Engl J Med** 1985 Feb 28;312(9):568-75

Differentiation of PC12 phaeochromocytoma cells induced by v-src oncogene. Alemà S, et al. **Nature** 1985 Aug 8-14; 316(6028):557-9

Nontransitional cell carcinomas of the bladder in adults--review. Khoury S, et al. **Prog Clin Biol Res** 1984;

162B:275-88 (30 ref.)

Clinical value of tumor doubling estimations in multiple endocrine neoplasia type II. Jackson CE, et al. **Surgery** 1984 Dec;96(6):981-7

Satellite cells in the normal human adrenal gland and in pheochromocytomas. An immunohistochemical study. Lauriola L, et al. **Virchows Arch [Cell Pathol]** 1985; 49(1):13-21

[Morphological criteria of the malignancy of pheochromocytoma] Cheremnykh AA, et al. **Arkh Patol** 1984;46(12):30-6 (Eng. Abstr.) **(Rus)**

[Pheochromocytoma of the urinary bladder] Chepurnoi GI, et al. **Urol Nefrol (Mosk)** 1984 Sep-Oct;(5):62-3 **(Rus)**

[Asymptomatic bilateral pheochromocytoma as part of a multiple endocrine neoplasm type II-b picture] Verdejo J, et al. **Rev Esp Anestesiol Reanim** 1985 May-Jun; 32(3):130-2 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Reversible dilatation of hypertrophied left ventricle in pheochromocytoma: serial two-dimensional echocardiographic observations. Lam JB, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):613-5

Possible pharmacologic trespass in pheochromocytoma patients [letter] Uzoni CE, et al. **Anesthesiology** 1985 Sep; 63(3):337-8

Pheochromocytoma and asthma [letter] Sastre J, et al. **Chest** 1985 Sep;88(3):482

Phaeochromocytoma. Cryer PE. **Clin Endocrinol Metab** 1985 Feb;14(1):203-20 (70 ref.)

Acute and chronic regulation of alpha 2-adrenoceptor number and function in man. Jones CR, et al. **Clin Sci** 1985; 68 Suppl 10:129s-132s

Arterial pressure and hormone relationships in phaeochromocytoma. Richards AM, et al. **J Hypertens** 1983 Dec;1(4):373-9

Nerve growth factor rapidly induces ornithine decarboxylase mRNA in PC12 rat pheochromocytoma cells. Feinstein SC, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5761-5

[Hemodynamics and pheochromocytoma] Wyrzykowski B, et al. **Kardiol Pol** 1984;27(8):667-73 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Psychiatric manifestations in patients with pheochromocytomas [editorial] Manger WM. **Arch Intern Med** 1985 Feb;145(2):229-30

Anxiety in patients with pheochromocytomas. Starkman MN, et al. **Arch Intern Med** 1985 Feb;145(2):248-52

RADIOGRAPHY

Alpha-adrenergic blockade in suspected pheochromocytoma [letter] Bush WH, et al. **AJR** 1985 Jun;144(6):1313-4

Value of intravenous digital subtraction angiography to demonstrate hypervascular endocrine tumors: report of two cases. Baert AL, et al. **Cardiovasc Intervent Radiol** 1984; 7(5):193-5

Cystic pheochromocytoma. Bush WH, et al. **Urology** 1985 Mar;25(3):332-4

[Computer tomography in primary and secondary tumors of the adrenal glands] Buck J, et al. **Dtsch Med Wochenschr** 1984 Sep 28;109(39):1494-9 **(Ger)**

[Morphology of atypical and metastatic pheochromocytoma in computed tomography] Neumann G, et al. **Radiologe** 1984 Dec;24(12):568-72 (Eng. Abstr.) **(Ger)**

[Pheochromocytoma of the bladder in computerized tomography] Lukas P, et al. **Rontgenblatter** 1984 Sep; 37(9):325-6 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Scintigraphic localization of a disseminated malignant pheochromocytoma with the use of 131I-meta-iodobenzylguanidine. Troncone L, et al. **Eur J Nucl Med** 1984;9(9):429-32

Scintigraphy with I-131 MIBG as an aid to the treatment of pheochromocytomas in patients with the multiple endocrine neoplasia type 2 syndromes. Sisson JC, et al. **Henry Ford Hosp Med J** 1984;32(4):254-61

Iodine-131 metaiodobenzylguanidine for the locating of suspected pheochromocytoma: experience in 400 cases. Shapiro B, et al. **J Nucl Med** 1985 Jun;26(6):576-85

Usefulness of scintigraphic imaging using 131iodine-metaiodobenzylguanidine in localization of asymptomatic pheochromocytoma. Yazaki T, et al. **J Urol** 1985 Jul;134(1):107-9

Iodobenzylguanidine for location and treatment of phaeochromocytoma [editorial] **Lancet** 1984 Oct 20; 2(8408):905-7

Use of 131I-MIBG scintigraphy in the evaluation of suspected pheochromocytoma. Swensen SJ, et al. **Mayo Clin Proc** 1985 May;60(5):299-304

Scintiscanning in the management of phaeochromocytoma [letter] Edis AJ, et al. **Med J Aust** 1984 Dec 8-22; 141(12-13):901

131I-MIBG and phaeochromocytoma [letter] Gough IR. **Med J Aust** 1985 Mar 4;142(5):330

Imaging of phaeochromocytoma and adrenal medulla with 123I-meta-iodobenzyl guanidine. Horne T, et al. **Nucl Med Commun** 1984 Dec;5(12):763-8

Visualization of an adrenal pheochromocytoma with thallium-201. Nakajo M, et al. **Radiat Med** 1983 Oct-Dec; 1(4):263-7

Pheochromocytoma and the normal adrenal medulla: improved visualization with I-123 MIBG scintigraphy. Lynn MD, et al. **Radiology** 1985 Jun;155(3):789-92

Radio-iodobenzylguanidine for the scintigraphic location and therapy of adrenergic tumors. McEwan AJ, et al. **Semin Nucl Med** 1985 Apr;15(2):132-53 (94 ref.)

Diagnosis of adrenal tumors with radionuclide imaging. Beierwaltes WH, et al. **Spec Top Endocrinol Metab** 1984; 6:1-54 (128 ref.)

Limitations of 131I-MIBG scintigraphy in locating pheochromocytomas. Gough IR, et al. **Surgery** 1985 Jul; 98(1):115-20

[Scintigraphic possibilities for the localization of pheochromocytomas and parathyroid adenomas] Piers DA. **Ned Tijdschr Geneeskd** 1985 Feb 2;129(5):199-201 **(Dut)**

[Meta-iodobenzylguanidine scintigraphy, a privileged procedure for localizing pheochromocytoma (letter)] Charbonnel B, et al. **Presse Med** 1985 Jan 12;14(1):49 **(Fre)**

[Scintigraphic diagnosis of multiple pheochromocytomas in childhood with 131I-m-benzylguanidine] Koletzko S, et al. **Monatsschr Kinderheilkd** 1984 Oct;132(10):791-6 (Eng. Abstr.) **(Ger)**

[Results of scintigraphic studies with 131I-meta-benzylguanidine in space-occupying lesions of neuroectodermal origin] Mahlstedt J, et al. **Nuklearmedizin** 1984 Oct;23(5):257-64 (Eng. Abstr.) **(Ger)**

[Scintigraphic imaging of benign and malignant tumors of the sympathetic nervous system with meta-iodobenzylguanidine] Kimmig B, et al. **Rontgenblatter** 1985 May;38(5):154-8 (Eng. Abstr.) **(Ger)**

[Scintigraphic diagnosis of neuroblastoma and pheochromocytoma with 131I-meta-iodobenzylguanidine in pediatrics] Mussa GC, et al. **Minerva Pediatr** 1984 Oct 15;36(19):919-22 (Eng. Abstr.) **(Ita)**

[Scintigraphy with 131I-metaiodobenzylguanidine in the differential diagnosis of pheochromocytoma] Cerasola G, et al. **Recenti Prog Med** 1985 Mar;76(3):143-8 (Eng. Abstr.) **(Ita)**

[A case of paraganglioma diagnosed by 131I-metaiodobenzyl guanidine (MIBG) scintigraphy] Kubo S, et al. **Nippon Naika Gakkai Zasshi** 1984 Aug;73(8):1201-8 **(Jpn)**

[Localization of pheochromocytoma by I-131-metaiodobenzylguanidine] Yasuhara S, et al. **Nippon Rinsho** 1984 Aug;42(8):1942-6 **(Jpn)**

[Scintigraphic localization of pheochromocytomas] Ohishi S, et al. **Rinsho Hoshasen** 1984 Sep;29(9):981-5 (Eng. Abstr.) **(Jpn)**

[Adrenomedullary scintigraphy with I-131 metaiodobenzylguanidine] Ohta Y, et al. **Rinsho Hoshasen** 1985 Mar;30(3):399-400 **(Jpn)**

[Advances in the scintigraphic diagnosis of pheochromocytoma] Jakubowski W, et al. **Pol Przegl Radiol (Warszawa)** 1984 Jul-Aug;48(4):231-4 (Eng. Abstr.) **(Pol)**

[Gammagraphic localization of pheochromocytoma with (131I) meta-iodobencylguanidine] Carrió Soldevila J, et al. **Med Clin (Barc)** 1985 Jun 1;85(1):23-4 (Eng. Abstr.) **(Spa)**

[Negativity of gammagraphy using I131-labeled meta-iodobenzylguanidine in the diagnosis of pheochromocytoma (letter)] Simó Canonge R, et al. **Med Clin (Barc)** 1985 Jan 12;84(1):38 **(Spa)**

[Gammagraphic localization of pheochromocytoma using 131I-meta-iodobenzoylguanidine (131I-MIBG) (letter)] Bellido CA, et al. **Rev Clin Esp** 1985 Jun;177(1):45 **(Spa)**

RADIOTHERAPY

Treatment of malignant pheochromocytoma with a new radiopharmaceutical. Sisson J, et al. **Trans Assoc Am Physicians** 1983;96:209-17

[Nuclear medical therapy of pheochromocytoma] Fischer M, et al. **Schweiz Med Wochenschr** 1984 Dec 8;114(49):1841-3 (Eng. Abstr.) **(Ger)**

SECONDARY

Metastatic pheochromocytoma: 'cold' lesions in bone scan. Costa M, et al. **Bol Asoc Med PR** 1983 Jul;75(7):315-6

Meta-iodobenzylguanidine in metastatic phaeochromocytoma. Stewart RJ, et al. **Clin Endocrinol (Oxf)** 1984 Nov;21(5):525-7

Extra-adrenal and metastatic pheochromocytoma: the role of 131I meta-iodobenzylguanidine (131I MIBG) in localization and management. Thompson NW, et al. **World J Surg** 1984 Aug;8(4):605-11

[Intraoperative localization of pheochromocytoma metastases using 131I-meta-benzylguanidine] Fasshauer H, et al. **Nuklearmedizin** 1984 Aug;23(4):203-5 **(Ger)**

[Scintigraphic localization of metastatic pheochromocytoma by 131I-metaiodobenzylguanidine] Nishimura T, et al. **Kaku Igaku** 1985 Mar;22(3):393-7 **(Jpn)**

SECRETION

Metoclopramide increases the release of catecholamines from isolated human phaeochromocytomas. Adler-Graschinsky E, et al. **J Hypertens** 1984 Apr;2(2):127-9

Biochemical evidence that vesicles are the source of the acetylcholine released from stimulated PC12 cells. Melega WP, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6535-8

Dopamine- and norepinephrine-secreting intrapericardial pheochromocytoma in a normotensive patient. Awoke S, et al. **South Med J** 1985 Aug;78(8):994-8

Cushing's syndrome and pheochromocytoma caused by an adrenal tumor, also containing met-enkephalin and somatostatin: a case report. Bruining HA, et al. **World J Surg** 1985 Aug;9(4):639-42

SURGERY

Isoflurane anesthesia for resection of pheochromocytoma. A report of two cases. Thomas B, et al. **Acta Anaesthesiol Belg** 1984 Sep;35(3):201-10

Phaeochromocytoma in a child. Harrison GR, et al. **Anaesth Intensive Care** 1985 Feb;13(1):86-8

Atracurium in a patient with pheochromocytoma. Stirt JA, et al. **Anesth Analg** 1985 May;64(5):547-50

The use of magnesium sulfate in the anesthetic management of pheochromocytoma. James MF. **Anesthesiology** 1985 Feb;62(2):188-90

Anaesthetic management with morphine in phaeochromocytoma. Hamaji M, et al. **Can Anaesth Soc J** 1984 Nov;31(6):681-6

Recurrent operated malignant pheochromocytoma. Marinescu I, et al. **Endocrinologie** 1985 Jan-Mar;23(1):61-6

Coexistence of aldosteronoma and pheochromocytoma in an adrenal gland. Wajiki M, et al. **J Surg Oncol** 1985 Jan; 28(1):75-8

Surgical treatment of cardiac pheochromocytomas. Orringer MB, et al. **J Thorac Cardiovasc Surg** 1985 May;89(5):753-7

Haemodynamic monitoring during resection of a phaeochromocytoma. A case report. Sandison MR, et al. **S Afr Med J** 1985 Jun 8;67(23):939-40

Oncologic aspects of pheochromocytoma: the importance of follow-up. Scott HW Jr, et al. **Surgery** 1984 Dec; 96(6):1061-6

Bilateral subtotal adrenal resection for bilateral pheochromocytomas in multiple endocrine neoplasia, type IIa: a case report. van Heerden JA, et al. **Surgery** 1985 Aug;98(2):363-6

Surgical management of the adrenal glands in the multiple endocrine neoplasia type II syndrome. van Heerden JA, et al. **World J Surg** 1984 Aug;8(4):612-21

[Hypertensive response to labetalol in pheochromocytoma] Enoki N, et al. **Masui** 1984 Sep;33(9):1008-11 (Eng. Abstr.) **(Jpn)**

[Fentanyl anesthesia for the removal of pheochromocytoma] Katagai H, et al. **Masui** 1984 Oct;33(10):1141-5 (Eng. Abstr.) **(Jpn)**

[Current problems in adrenal surgery] Tanimura H, et al. **Nippon Geka Gakkai Zasshi** 1984 Sep;85(9):1030-4 (Eng. Abstr.) **(Jpn)**

[A case of malignant pheochromocytoma recurring 12 years after initial surgery] Tahara H, et al. **Nippon Hinyokika Gakkai Zasshi** 1985 Feb;76(2):252-6 (Eng. Abstr.) **(Jpn)**

[Anesthesia in the surgical treatment of pheochromocytoma] Suslov VV, et al. **Anesteziol Reanimatol** 1984 Jul-Aug; (4):17-21 (Eng. Abstr.) **(Rus)**

[Procedural and technical aspects of the surgical treatment of hormonally active adrenal tumors] Komissarenko IV, et al. **Klin Khir** 1984 Dec;(12):5-6 (Eng. Abstr.) **(Rus)**

[Apropos of a case of pheochromocytoma with difficult to control hypertensive crises] Tejada JJ, et al. **Rev Esp Anestesiol Reanim** 1985 May-Jun;32(3):125-6 (Eng. Abstr.) **(Spa)**

THERAPY

Preoperative acute volume loading in patients with pheochromocytoma. Pinaud M, et al. **Crit Care Med** 1985 Jun;13(6):460-3

ULTRASTRUCTURE

Phaeochromocytoma of the broad ligament. Case report. Al-Jafari MS, et al. **Br J Obstet Gynaecol** 1985 Jun; 92(6):649-51

Structure of catecholamine secretory vesicles from PC12 cells. Wagner JA. **J Neurochem** 1985 Oct;45(4):1244-53

Morphological properties and membrane channels of the growth cones induced in PC12 cells by nerve growth factor. O'Lague PH, et al. **J Neurosci Res** 1985; 13(1-2):301-21

Effect of extracellular matrix on PC 12 cell shape and dopamine processing. Bethea CL, et al. **Mol Cell Endocrinol** 1984 Oct;37(3):319-29

Pheochromocytoma producing immunoreactive ACTH with Cushing's syndrome. Lamovec J, et al. **Ultrastruct Pathol** 1984;7(1):41-8

URINE

Biochemical screening for pheochromocytoma. Superiority of urinary metanephrines measurements. Manu P, et al. **Am J Epidemiol** 1984 Nov;120(5):788-90

VETERINARY

Pheochromocytoma in the dog. Twedt DC, et al. **Vet Clin North Am [Small Anim Pract]** 1984 Jul; 14(4):767-82 (10 ref.)

NEWARK PUBLIC LIBRARY

PHEOPHYTINS see under **CHLOROPHYLL**

PHEROMONES

Investigations into the volatility of female pheromones and the aggregation-inducing property of guanine in Argas (Persicargas) walkerae. Neitz AW, et al. **Onderstepoort J Vet Res** 1984 Sep;51(3):197-201

Prolonged responsiveness to the maternal pheromone in the postweanling rat. Schumacher SK, et al. **Physiol Behav** 1985 Mar;34(3):471-3

ANALYSIS

Chemical studies of hamster vaginal discharge: effects of endocrine ablation and protein digestion on behaviorally active macromolecular fractions. Singer AG, et al. **Physiol Behav** 1984 Oct;33(4):639-43

[Sex pheromones and plasmid transfer in Streptococcus faecalis] Ike Y, et al. **Tanpakushitsu Kakusan Koso** 1985 Feb;30(2):113-29 (61 ref.) **(Jpn)**

BIOSYNTHESIS

Biosynthesis of algal pheromones. A model study with the composite Senecio isatideus. Boland W, et al. **Eur J Biochem** 1985 Feb 15;147(1):83-91

Biosynthesis and secretion of tremerogen A-10, a polyisoprenyl peptide mating pheromone of Tremella mesenterica. Miyakawa T, et al. **Eur J Biochem** 1985 Mar 15;147(3):489-93

Biosynthesis of androgens and pheromonal steroids in neonatal porcine testicular preparations. Kwan TK, et al. **FEBS Lett** 1985 Apr 22;183(2):359-64

CHEMICAL SYNTHESIS

Synthesis and biological activity of N epsilon-acyl derivatives of a Saccharomyces cerevisiae mating pheromone. Shenbagamurthi P, et al. **Int J Pept Protein Res** 1985 Feb;25(2):187-96

GENETICS

Sex pheromones and plasmid transfer in Streptococcus faecalis: a pheromone, cAM373, which is also excreted by Staphylococcus aureus. Clewell DB, et al. **Basic Life Sci** 1985;30:489-503

Characterization of two genes required for the position-effect control of yeast mating-type genes. Shore D, et al. **EMBO J** 1984 Dec 1;3(12):2817-23

Streptococcus faecalis sex pheromone (cAM373) also produced by Staphylococcus aureus and identification of a conjugative transposon (Tn918). Clewell DB, et al. **J Bacteriol** 1985 Jun;162(3):1212-20

Control of yeast alpha-specific genes: evidence for two blocks to expression in MATa/MAT alpha diploids. Ammerer G, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5855-9

ISOLATION & PURIFICATION

Male hamster copulatory responses to a high molecular weight fraction of vaginal discharge: effects of vomeronasal organ removal. Clancy AN, et al. **Physiol Behav** 1984 Oct;33(4):653-60

Chemical studies of hamster vaginal discharge: male behavioral responses to a high molecular weight fraction require physical contact. Singer AG, et al. **Physiol Behav** 1984 Oct;33(4):645-51

Isolation and structure of bacterial sex pheromone, cPD1. Suzuki A, et al. **Science** 1984 Nov 16;226(4676):849-50

METABOLISM

Hormone processing and membrane-bound proteinases in yeast. Achstetter T, et al. **EMBO J** 1985 Jan;4(1):173-7

Differentiation of algal chemoreceptors. A comparative receptor study with two seaweed pairs: Cutleria multifida/Syringoderma phinneyi and Desmarestia aculeata/Ectocarpus siliculosus (Phacophyceae). Boland W, et al. **Eur J Biochem** 1984 Oct 1;144(1):169-76

Chlorocyclohexane insecticides and male medfly attractants: similar stereospecificity for neuroactivity and interactions with a housefly [35S]t-butylbicyclophosphorothionate binding site. Cohen E, et al. **Life Sci** 1985 May 13;36(19):1837-42

Pheromone-processing protease of the yeast Saccharomyces cerevisiae [letter] Thorner J. **Nature** 1985 Mar 28-Apr 3;314(6009):384-5

PHARMACODYNAMICS

Testosterone control of the pregnancy block pheromone in mice. Marchlewska-Koj A, et al. **Folia Biol (Krakow)** 1984;32(4):301-6

Involvement of protein sulfhydryls in the trigger reaction of rhodotorucine A, a farnesyl peptide mating pheromone of Rhodosporidium toruloides. Miyakawa T, et al. **J Bacteriol** 1985 Apr;162(1):294-9

Transient increase of Ca2+ uptake as a signal for mating pheromone-induced differentiation in the heterobasidiomycetous yeast Rhodosporidium toruloides. Miyakawa T, et al. **J Bacteriol** 1985 Jun;162(3):1304-6

Identification of multiple cell surface antigens associated with the sex pheromone response of Streptococcus faecalis. Tortorello ML, et al. **J Bacteriol** 1985 Apr;162(1):131-7

Induction of the yeast alpha-specific STE3 gene by the peptide pheromone a-factor. Hagen DC, et al. **J Mol Biol** 1984 Oct 5;178(4):835-52

Synthetic pheromones that promote inter-male aggression in mice. Novotny M, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2059-61

PHYSIOLOGY

Pheromones and other semiochemicals of the acari. Sonenshine DE. **Annu Rev Entomol** 1985;30:1-28 (94 ref.)

A few chemical words exchanged by Drosophila during courtship and mating. Jallon JM. **Behav Genet** 1984 Sep;14(5):441-78 (110 ref.)

Vaginal scent marking: effects on ultrasonic calling and attraction of male golden hamsters. Johnston RE, et al. **Behav Neural Biol** 1984 Nov;42(2):158-68

Effects of volatile and nonvolatile chemical signals on male sex behaviors mediated by the main and accessory olfactory systems. O'Connell RJ, et al. **Behav Neurosci** 1984 Dec;98(6):1083-93

Does kissing aid human bonding by semiochemical addiction? Nicholson B. **Br J Dermatol** 1984 Nov;111(5):623-7

Evaluation of the involvement of the adrenals in the pheromonal influences on the oestrous cycle of laboratory mice. Gangrade BK, et al. **Exp Clin Endocrinol** 1984 Jul;84(1):13-9

Specific induction of Ca2+ transport activity in MATa cells of Saccharomyces cerevisiae by a mating pheromone, alpha factor. Ohsumi Y, et al. **J Biol Chem** 1985 Sep 5;260(19):10482-6

Odour recognition by male hamsters: discrimination of the hormonal state of females by odour from vaginal secretions. Steel E. **J Endocrinol** 1985 May;105(2):255-62

Pheromonally induced release of luteinizing hormone in male mice: involvement of the vomeronasal system. Coquelin A, et al. **J Neurosci** 1984 Sep;4(9):2230-6

Effect of density, duration of grouping and age of urine stimulus on the puberty delay pheromone in female mice. Coppola DM, et al. **J Reprod Fertil** 1985 Mar;73(2):517-22

Effect of conspecifics on sexual maturation in female European pine voles (Pitymys subterraneus). Frankiewicz J, et al. **J Reprod Fertil** 1985 May;74(1):153-6

A hypothesis on the role of pheromones on age of menarche. Burger J, et al. **Med Hypotheses** 1985 May;17(1):39-46 (66 ref.)

Pheromones and mammalian reproduction. Marchlewska-Koj A. **Oxf Rev Reprod Biol** 1984;6:266-302 (200 ref.)

Individual recognition of female hamsters by males: role of chemical cues and of the olfactory and vomeronasal systems. Johnston RE, et al. **Physiol Behav** 1984 Jul;33(1):95-104

The maternal pheromone and deoxycholic acid in the survival of preweanling rats. Lee TM, et al. **Physiol Behav** 1984 Dec;33(6):931-5

The maternal pheromone and deoxycholic acid in relation to brain myelin in the preweanling rat. Lee TM, et al. **Physiol Behav** 1984 Sep;33(3):391-5

The maternal pheromone and brain development in the preweanling rat. Lee TM, et al. **Physiol Behav** 1984 Sep;33(3):385-90

Estrous synchrony: modulation of ovarian cycle length by female pheromones. McClintock MK. **Physiol Behav** 1984 May;32(5):701-5

Olfactory cues and pig agonistic behavior: evidence for a submissive pheromone. McGlone JJ. **Physiol Behav** 1985 Feb;34(2):195-8

Male hamster investigatory and copulatory responses to vaginal discharge: an attempt to impart sexual significance to an arbitrary chemosensory stimulus. Macrides F, et al. **Physiol Behav** 1984 Oct;33(4):627-32

Male hamster investigatory and copulatory responses to vaginal discharge: relationship to the endocrine status of females. Macrides F, et al. **Physiol Behav** 1984 Oct;33(4):633-7

Evidence for an antiaphrodisiac in the sweat bee Lasioglossum (Dialictus) zephyrum. Kukuk P. **Science** 1985 Feb 8;227(4687):656-7

Computerized pattern recognition: a new technique for the analysis of chemical communication. Smith AB 3d, et al. **Science** 1985 Apr 12;228(4696):175-7

SECRETION

An investigation into the emission sites of the volatile pheromone produced by females of Argas (Persicargas) walkerae. Gothe R, et al. **Onderstepoort J Vet Res** 1985 Mar;52(1):31-3

URINE

Acceleration of puberty in female mice by a urinary chemosignal from pregnant or lactating females: timing and duration of stimulation. Drickamer LC. **Dev Psychobiol** 1984 Sep;17(5):451-5

Urinary chemosignals from mice (Mus musculus): acceleration and delay of puberty in related and unrelated young females. Drickamer LC. **J Comp Psychol** 1984 Dec;98(4):414-20

Role of urine in coordinating reproduction in a desert rodent (Dipodomys merriami). Randall JA. **Physiol Behav** 1985 Feb;34(2):199-203

Conspecific urine marking in male-female pairs of laboratory rats. Taylor GT, et al. **Physiol Behav** 1984 Apr;32(4):541-6

PHI X 174 see **PHAGE PHI X 174**

PHIALOPHORA

ISOLATION & PURIFICATION

Phialophora parasitica, an emerging pathogen. Weitzman I, et al. **Sabouraudia** 1984;22(4):331-9

[Exophiala jeanselmei (Phialophora jeanselmei)--demonstration in the vitreous body of the eye] Potel J, et al. **Mykosen** 1984 Aug;27(8):380-4 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

[A case of chromoblastomycosis caused by Exophiala jeanselmei having a granular phase] Naka W, et al. **Nippon Hifuka Gakkai Zasshi** 1985 Jan;95(1):43-50 **(Jpn)**

PHILADELPHIA CHROMOSOME see **CHROMOSOMES, HUMAN, 21-22**

PHILATELY

Stamp recognition for William Morton. Leonard AG. **Br Dent J** 1985 May 11;158(9):345

Extracting dentistry from the Postal Services. Gryfe JH. **Can Dent Assoc J** 1984 Dec;50(12):887-9

Dentistry on stamps. Ebers papyrus. Loevy HT. **J Am Dent Assoc** 1985 Mar;110(3):376

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 Apr;110(4):515

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 May;110(5):760

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 Jun;110(6):934

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 Jul;111(1):59

Health science on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 Jul;111(1):75

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1984 Sep;109(3):466

Dentistry on stamps (Dr. Kerstin Palm). Loevy HT, et al. **J Am Dent Assoc** 1984 Nov;109(5):755

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1984 Dec;109(6):971

Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1985 Jan;110(1):88

Albertus Magnus--Doctor universalis. Shampo MA, et al. **Mayo Clin Proc** 1985 Aug;60(8):530

Early German physician first to synthesize urea. Shampo MA, et al. **Mayo Clin Proc** 1985 Oct;60(10):662

[Soviet public health in philately] Popugaílo VM, et al. **Sov Zdravookhr** 1985;(2):62-4 **(Rus)**

PHILOSOPHY

A further investigation of 'Dialectical thinking as a means of understanding systems-in-development: relevance to Rogers's principles'. Moccia P. **ANS** 1985 Jul;7(4):33-8

Practical discourse in nursing: going beyond empiricism and historicism. Thompson JL. **ANS** 1985 Jul;7(4):59-71

What is it to see? Maturana HR. **Arch Biol Med Exp (Santiago)** 1983 Dec;16(3-4):255-69

The plain man's guide to research. The philosophy. Moore JR. **Br J Oral Maxillofac Surg** 1984 Oct;22(5):315-21

Autonomy and the principle of respect for autonomy. Gillon R. **Br Med J [Clin Res]** 1985 Jun 15;290(6484):1806-8

Paradox and polarity: the Tao of family therapy. Jordan JR. **Fam Process** 1985 Jun;24(2):165-74

The biological limits on autonomy. Morison RS. **Hastings Cent Rep** 1984 Oct;14(5):43-9

Meaning in suffering. Kreidler M. **Int Nurs Rev** 1984 Nov-Dec;31(6):174-6

The current psychoanalytic dialogue: its counterpart in Renaissance philosophy. Grolnick SA. **J Am Psychoanal Assoc** 1982;30(3):679-99

Psychoanalysis, philosophy, and the public. Shapiro T. **J Am Psychoanal Assoc** 1985;33(1):5-9

Fetal brain waves and personhood [letter] Jones GE. **J Med Ethics** 1984 Dec;10(4):216-7

Plato's moral theory. Mackenzie MM. **J Med Ethics** 1985 Jun;11(2):88-91

Objections to hospital philosophers. Ruddick W, et al. **J Med Ethics** 1985 Mar;11(1):42-6

What is wrong with 'wrongful life' cases? Bell NK, et al. **J Med Philos** 1985 May;10(2):127-45

Civil disobedience, conscientious objection, and evasive noncompliance: a framework for the analysis and assessment of illegal actions in health care. Childress JF. **J Med Philos** 1985 Feb;10(1):63-83

A definition for paternalism. Hershey PT. **J Med Philos** 1985 May;10(2):171-82

Philosophical aspects of brain death. Spicker SF. **J Med Philos** 1984 Nov;9(4):373-5

An integrated curriculum: idealism or pragmatism? Clearage DK. **J Nurs Educ** 1984 Sep;23(7):308-10

The archaeologist of knowledge. Jelly O. **Lancet** 1984 Oct 27;2(8409):974

Some random thoughts on marketing and other things. Webber RJ. **Minn Med** 1984 Aug;67(8):419
Keats, Socrates and fool's parsley--water hemlock poisoning. Mack RB. **NC Med J** 1985 Mar;46(3):163-4
Bioethical essentialism and scientific population thinking. Clements CD. **Perspect Biol Med** 1985 Winter; 28(2):188-207
Gregory Bateson, Alcoholics Anonymous, and stoicism. Brundage V. **Psychiatry** 1985 Feb;48(1):40-51
Descartes and psychosomatic medicine [letter] Weiner H. **Psychosom Med** 1985 Jan-Feb;47(1):67-9
Disease and social theory: a problem of conversation. Baross Z. **Theor Med** 1985 Jun;6(2):189-204
German philosophy and the rise of modern clinical medicine. Tsouyopoulos N. **Theor Med** 1984 Oct;5(3):345-57
[The concept of law in biology. 1. Laws, principles and rules] Bernier R. **Riv Biol** 1985 Spring;78(1):45-73 (Eng. Abstr.) **(Fre)**
[The concept of law in biology. II. Scientific law and determinism] Bernier R. **Riv Biol** 1985 Summer; 78(2):253-68 (Eng. Abstr.) **(Fre, Ita)**
[Is there still a soul? Thomas Aquinas and modern psychiatry] Koehler K. **Fortschr Neurol Psychiatr** 1984 Oct; 52(10):329-37 (Eng. Abstr.) **(Ger)**
[The collapsing house of cards. On Bernd Nitzschke's essay on the origin of the id] Goldmann S. **Psyche (Stuttg)** 1985 Feb;39(2):101-24 **(Ger)**
[The rediscovered id. On Bernd Nitzschke's essay on the origin of the id] Kerz JP. **Psyche (Stuttg)** 1985 Feb; 39(2):125-43 **(Ger)**
[Large id or small id? Remarks on the article by Bernd Nitzschke on the origin of the id] Küchenhoff J. **Psyche (Stuttg)** 1985 Feb;39(2):144-9 **(Ger)**
[Georg Groddeck's philosophy of the id] von Diersburg ER. **Psyche (Stuttg)** 1985 Feb;39(2):170-8 **(Ger)**
[Hegel's death] Döll H. **Z Arztl Fortbild (Jena)** 1985; 79(5):217-9 **(Ger)**
[Rescue of the soul] León CA. **Actas Luso Esp Neurol Psiquiatr** 1984 Jul-Aug;12(4):233-46 **(Spa)**

HISTORY

Bacon's syndrome. The decline of natural history in medicine. Lee RV. **Am J Med** 1984 Dec;77(6):972-6
'The strategy of life: teleology and mechanics in nineteenth-century German biology.' By Timothy Lenoir. Essay review. Gregory F. **Isis** 1984 Sep;75(278):555-8
The Romanticists and their contribution to psychiatry. D'Alessandro AJ. **Psychiatr Q** 1984 Spring;56(1):70-4
Descartes' methodological transformation of Homo sapiens into Homo faber. Carter RB. **Sudhoffs Arch** 1984; 68(2):225-9

PHILOSOPHY, DENTAL

Legends of operative dentistry. Stebner CM. **J Am Coll Dent** 1984 Winter;51(4):4-8

PHILOSOPHY, MEDICAL

What is the art of medicine? [editorial] Greco FA. **Am J Med** 1985 Sep;79(3):279
In quest of certainty. Reiss E. **Am J Med** 1984 Dec; 77(6):969-71
A circle and the eight happinesses. Beazley JM. **Am J Obstet Gynecol** 1985 May 15;152(2):163-8
An introduction to medical phenomenology: I can't hear you while I'm listening. Baron RJ. **Ann Intern Med** 1985 Oct; 103(4):606-11
Descartes versus Hippocrates--a conflict resolved? The Silvanus Thompson memorial lecture, April 1984. Lenihan J. **Br J Radiol** 1984 Oct;57(682):861-5
An introduction to philosophical medical ethics: the Arthur case. Gillon R. **Br Med J [Clin Res]** 1985 Apr 13; 290(6475):1117-9
Paternalism and medical ethics. Gillon R. **Br Med J [Clin Res]** 1985 Jun 29;290(6486):1971-2
The mistreatment of dead bodies. Feinberg J. **Hastings Cent Rep** 1985 Feb;15(1):31-7
Thinking about the body. Kass LR. **Hastings Cent Rep** 1985 Feb;15(1):20-30
The care of the patient. By Francis W. Peabody, M.D. 1927. **J Am Coll Health** 1985 Apr;33(5):210-6
The boundaries of medicine. Perkoff GT. **J Chronic Dis** 1985; 38(3):271-8
Chronic vegetative states: intrinsic value of biological process. Freer JP. **J Med Philos** 1984 Nov;9(4):395-407
Responsibility for personal health: a historical perspective. Reiser SJ. **J Med Philos** 1985 Feb;10(1):7-17
Quantum physics and the philosophy of medicine [editorial] Comfort A. **J R Soc Med** 1984 Aug;77(8):631-3
Cartesian dualism and the current crisis in medicine--a plea for a philosophical approach: discussion paper. Gold J. **J R Soc Med** 1985 Aug;78(8):663-6
1984: Newspeak, doublethink, and vascular surgery. Baker WH. **J Vasc Surg** 1985 Sep;2(5):645-8
What does it all mean? Hackett E. **Med J Aust** 1985 Apr 29;142(9):518-9
Healing by the fundamentals [letter] **N Engl J Med** 1984 Dec 20;311(25):1637-9
Causal thinking in practice: strengths and weaknesses of the clinical vantage point. Susser M. **Pediatrics** 1984 Nov; 74(5):842-9
Passion and pathology: Richard Selzer's philosophy of doctoring. Schuster CI. **Perspect Biol Med** 1984 Autumn; 28(1):65-73
Who Should Decide? Paternalism in Health Care, by James F. Childress. Siegler M. **Perspect Biol Med** 1985 Spring; 28(3):452-6
Medicine as a dependent tradition: historical and ethical reflections. Vance R. **Perspect Biol Med** 1985 Winter; 28(2):282-302 (62 ref.)
Medicine, technology, and lived relations. Wolpe PR. **Perspect Biol Med** 1985 Winter;28(2):314-22
On the importance of ideals. Barondess JA. **Pharos** 1985 Spring;48(2):2-4
Notes of a Lewis Thomas watcher: emerging intellectual unities. Bulger RJ. **Pharos** 1984 Spring;47(2):25-6
Two related works: Osler's 'Aequanimitas' and Bernard's 'An Introduction to the Study of Experimental Medicine'. Burger SR. **Pharos** 1985 Winter;48(1):6-8
A conceptual ambiguity that contributed to the neglect of Mendel's paper. Sandler I, et al. **Pubbl Stn Zool Napoli [II]** 1985;7(1):3-70
Problems in attempts to humanize medicine. Lazarus J. **S Afr Med J** 1985 Feb 23;67(8):297-300 (60 ref.)
Death and dying in medicine. **Theor Med** 1984 Jun; 5(2):121-231
Philosophy of medicine in Scandinavia. Ingemar B, et al. **Theor Med** 1985 Feb;6(1):65-84
Philosophy of medicine in Austria. Kenner T. **Theor Med** 1985 Feb;6(1):85-91
Philosophy of medicine in the Federal Republic of Germany (1945-1984). Kottow M. **Theor Med** 1985 Feb;6(1):43-64
Health and life. Raffel S. **Theor Med** 1985 Jun;6(2):153-64
Philosophy of medicine in the Netherlands. ten Have H, et al. **Theor Med** 1985 Feb;6(1):1-42
The comatose patient, the ontology of death, and the decision to stop treatment. Thomasma DC. **Theor Med** 1984 Jun; 5(2):181-96
The philosophy of medicine in Europe: challenges for the future. Thomasma DC. **Theor Med** 1985 Feb;6(1):115-23
German philosophy and the rise of modern clinical medicine. Tsouyopoulos N. **Theor Med** 1984 Oct;5(3):345-57
[Clinical thinking in modern obstetrics. I. The gnoseological clinical aspect] Katsulov A. **Akush Ginekol (Sofiia)** 1985; 24(1):1-7 **(Bul)**
[The philosophic categories of necessity and coincidence in medical practice] Bouček K. **Cas Lek Cesk** 1985 Jan 18; 124(3):65-7 **(Cze)**
[The concept of man in Marxist-Leninist philosophy and its significance in medicine. Overcoming the natural science concept of medicine] Hofbauerová K. **Cas Lek Cesk** 1985 Jun 21;124(25):769-70 **(Cze)**
[Morphology and medicine] Malinovský L. **Cas Lek Cesk** 1985 Aug 30;124(35):1089-92 (Eng. Abstr.) **(Cze)**
[An anniversary to remember] Prokopec J. **Cas Lek Cesk** 1985 May 10;124(19):581-3 **(Cze)**
[Questions of integration and specialization in the socialist system of health protection] Hamr V. **Cesk Zdrav** 1984 Nov;32(11):472-4 (Eng. Abstr.) **(Cze)**
[Theory of diagnosis] Skaunic V, et al. **Vnitr Lek** 1985 Apr; 31(4):319-27 (Eng. Abstr.) **(Cze)**
[The development of preventive-medical thinking in the last decades] van de Voorde H. **Arch Belg** 1984;42(7-8):435-40 **(Dut)**
[Health ethics and principles of medicine] Sporken CP, et al. **Ned Tijdschr Geneeskd** 1984 Dec 22;128(51):2387-90 **(Dut)**
[Medicine and the tenets of cognition] Fiedler H. **Dtsch Med Wochenschr** 1984 Oct 5;109(40):1538-41 **(Ger)**
[The concept of nature philosophy in physiology in the writings of John Christian Friedrich Harless] Triebel-Schubert C. **Gesnerus** 1985;42(1-2):149-59 (Eng. Abstr.) **(Ger)**
[The theory of evolution in German-speaking areas. Scientific, epistemological and historical interpretations of the last 10 years] Hoppe B. **Pubbl Stn Zool Napoli [II]** 1985;7(1):121-47 (Eng. Abstr.) **(Ger)**
[A charitable approach to medicine (editorial)] Erlik D. **Harefuah** 1984 Aug;107(3-4):98-9 **(Heb)**
[From information to meaning: its features and clinical methodology] Di Perri T. **Clin Ter** 1985 Jun 15; 113(5):341-6 **(Ita)**
[Medical philosophy reflected in the history of medicine] Ito Y. **Sangyo Ika Daigaku Zasshi** 1984 Sep 1;6(3):329-44 (Eng. Abstr.) **(Jpn)**
[Problems of the philosophy of medicine: who is responsible for health?] Tatoń J. **Pol Tyg Lek** 1985 Apr 8-15; 40(14-15):443-4 **(Pol)**
[On the subject of medical philosophy: what is medicine today?] Tatoń J. **Pol Tyg Lek** 1985 May 20;40(20):589-90 **(Pol)**
[The past and present of medicine under Hitler] Wiemann DB, et al. **Przegl Lek** 1985;42(1):169-80 **(Pol)**
[The medical philosophy of Władysław Szumowski (1875-1954)] Chrześciewski L. **Wiad Lek** 1984 Apr 15; 37(8):653-4 **(Pol)**
[The deterministic concept of human diseases] Petlenko VP, et al. **Arkh Patol** 1984;46(10):3-10 (49 ref.) (Eng. Abstr.) **(Rus)**
[Theoretical concepts of modern pathology (a critique of their medical philosophical foundations)] Strukov AI, et al. **Arkh Patol** 1985;47(4):3-14 (Eng. Abstr.) **(Rus)**
[The human problem in philosophy and medicine and the ideological struggle] Kozlov AM, et al. **Patol Fiziol Eksp Ter** 1985 May-Jun;(3):3-9 **(Rus)**
[The problem of the natural and the artificial in medicine] Abdyldaev TA, et al. **Vestn Akad Med Nauk SSSR** 1985; (5):42-6 **(Rus)**
[The concept of the self-movement of living nature as a methodological basis for the dialectics of biomedical knowledge] Boltenkov EM. **Vestn Akad Med Nauk SSSR** 1985;(5):36-42 **(Rus)**
[Suffering as a problem in the history of philosophy and medical ethics] Ivaniushkin AIa. **Vestn Akad Med Nauk SSSR** 1985;(5):56-61 **(Rus)**
[The problem of the correlation of nervism and the physicochemical trend in biology and medicine in the works of I. P. Pavlov] Shingarov GKh. **Vestn Akad Med Nauk SSSR** 1985;(5):28-35 **(Rus)**
[The treatment of fractures and dialectics] Baskevich MIa. **Vestn Khir** 1984 Dec;133(12):92-6 **(Rus)**
[Philosophy and the psychosomatic problem of medicine] Petlenko VP, et al. **Voen Med Zh** 1984 Sep;(9):11-6 **(Rus)**
[Philosophical bases of the study of normal clinical values] Volkov VV, et al. **Voen Med Zh** 1985 Jun;(6):10-4 **(Rus)**
[Interrelation of the structure and function of morphological systems] Bolgov IuA. **Vrach Delo** 1984 Sep;(9):5-8 (Eng. Abstr.) **(Rus)**
[Tasks in further raising the methodological and ideological level of the teaching of medical disciplines] Pas'ko NI, et al. **Vrach Delo** 1984 Oct;(10):1-4 **(Rus)**
[The moving forces of an epidemic process from the viewpoint of the philosophy of dialectical materialism] Kozlov MP. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Apr;(4):108-13 (20 ref.) **(Rus)**
[Current views on the crisis in health services] Knežević S. **Lijec Vjesn** 1985 Feb;107(2):49-54 (Eng. Abstr.) **(Ser)**
[Truth and error in medicine] Jinich H, et al. **Gac Med Mex** 1984 Apr;120(4):133-44 **(Spa)**

HISTORY

Being healthy down through history. Laín Entralgo P. **Sudhoffs Arch Beih** 1984;(24):65-72
[The structure of living matter. Novalis' 'Fragments on Physiology'] Henkelmann T. **Sudhoffs Arch Beih** 1984; (24):45-52 **(Ger)**
[Awareness of history in the medicine of the Age of Romanticism] von Engelhardt D. **Sudhoffs Arch Beih** 1984; (24):26-35 **(Ger)**

PHILOSOPHY, NURSING

Toward greater specificity in defining nursing's metaparadigm. Conway ME. **ANS** 1985 Jul;7(4):73-81
The Neuman Systems Model in practice. Planning phase. Capers CF, et al. **J Nurs Adm** 1985 May;15(5):29-38
Toward more clarity in terminology: frameworks, theories and models. Adam E. **J Nurs Educ** 1985 Apr;24(4):151-5
Analysis and application of Dorothea Orem's Self-Care Practice Model. Whelan EG. **J Nurs Educ** 1984 Oct; 23(8):342-5
A reply to Collins and Fielder: the concept of theory. Beckstrand J. **Res Nurs Health** 1984 Sep;7(3):189-96

PHIMOSIS

ETIOLOGY

Adult circumcision and diabetes. Justis CM, et al. **NC Med J** 1985 Feb;46(2):109-10
A case of histoplasma posthitis. Nayak RG, et al. **Trop Geogr Med** 1984 Sep;36(3):309-11

SURGERY

[Preputial plastic surgery creating a two-way sliding rim in the treatment of phimosis] Gaetini AM. **Minerva Pediatr** 1984 Sep 30;36(18):905-7 (Eng. Abstr.) **(Ita)**
[Ketamine anesthesia for a patient with epidermolysis bullosa dystrophica] Amano N, et al. **Masui** 1984 Aug;33(8):889-93 (Eng. Abstr.) **(Jpn)**

THERAPY

Simple method for reduction of paraphimosis. Ganti SU, et al. **Urology** 1985 Jan;25(1):77
Reduction of paraphimosis [letter] Krauss DJ. **Urology** 1985 Mar;25(3):337

VETERINARY

Paraphimosis in seven debilitated horses. Simmons HA, et al. **Vet Rec** 1985 Feb 2;116(5):126-7

PHLEBITIS

BLOOD

[Protein C deficiency: recurrent extensive phlebitis during the transfer from heparin to antivitamin K (letter)] Ninet J, et al. **Presse Med** 1985 Jan 19;14(2):108 **(Fre)**

COMPLICATIONS

A combined study of the strain gauge plethysmography and I-125 fibrinogen leg scan in the differentiation of deep vein thrombosis and postphlebitic syndrome. AbuRahma AF, et al. **Am Surg** 1984 Nov;50(11):585-8

ERCP diagnosis of multiple hepatic abscesses due to portal pylephlebitis. Hall RI, et al. **Br J Surg** 1985 Jun;72(6):439

Inflammatory vasculitis in multiple sclerosis. Adams CW, et al. **J Neurol Sci** 1985 Jul;69(3):269-83

Intractable postphlebitic ulceration of the leg. Garber N. **S Afr Med J** 1985 Apr 6;67(14):553-4

[Therapeutic significance of oxadilene in the treatment of ulcers of arterial or venous origin] Allart JC. **Phlebologie** 1984 Jul-Sep;37(3):369-72 **(Fre)**

[Leg ulcers of venous origin. Rate of basic healing. Practical consequences] Cornu-Thenard A, et al. **Phlebologie** 1984 Jul-Sep;37(3):347-54 (Eng. Abstr.) **(Fre)**

[Does hypodermectomy have a role in surgery for postphlebitic syndrome?] van der Stricht J. **Phlebologie** 1984 Oct-Dec;37(4):535-40 (Eng. Abstr.) **(Fre)**

[Clinical study of the postphlebitic syndrome] Vin F. **Phlebologie** 1984 Oct-Dec;37(4):437-42 (Eng. Abstr.) **(Fre)**

[Noninvasive laboratory diagnosis of the postphlebitic syndrome] Beer G, et al. **Harefuah** 1984 Nov 15; 107(10):273-4 (Eng. Abstr.) **(Heb)**

[Phlebomanometry in the study of post-phlebitic syndrome] Vega Goméz ME, et al. **Angiologia** 1985 Jul-Aug; 37(4):182-8 (Eng. Abstr.) **(Spa)**

[Post-phlebitis cutaneous calcinosis. Histochemical study] Bosch RJ, et al. **Med Cutan Ibero Lat Am** 1985;13(1):77-80 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[A case of suppurative pyelophlebitis with development of hepatoportal collaterals (cavernous transformation of the portal vein)] Ibuki Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 May;82(5):1406-11 **(Jpn)**

DRUG THERAPY

[The value of heparin in postphlebitic syndromes] Bourde C, et al. **Phlebologie** 1984 Oct-Dec;37(4):479-81 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Recurrence of periphlebitis retinae in multiple sclerosis. Engell T, et al. **Acta Ophthalmol (Copenh)** 1985 Feb; 63(1):80-2

Peripheral vein infusion of dextrose/amino acid solutions +/- 20% fat emulsion. Daly JM, et al. **JPEN J Parenter Enteral Nutr** 1985 May-Jun;9(3):296-9

Suppurative pylephlebitis due to pseudodiverticulosis coli. Rodning CB, et al. **South Med J** 1984 Sep;77(9):1165-7

[Pylephlebitis following pancreatic resection] Nartsissov TV. **Klin Khir** 1984 Nov;(11):60-1 **(Rus)**

FAMILIAL & GENETIC

Different forms of AT-III congenital defect: a study by crossed immunoelectrofocusing. Leone G, et al. **Scand J Haematol** 1984 Nov;33(5):410-7

IMMUNOLOGY

Mondor's phlebitis of the penis: a study with factor VIII related antigen. Tanii T, et al. **Acta Derm Venereol (Stockh)** 1984;64(4):337-40

MICROBIOLOGY

Adherence of bacteria to pediatric intravenous catheters and needles and its relation to phlebitis in animals. Ashkenazi S, et al. **Pediatr Res** 1984 Dec;18(12):1361-6

PATHOLOGY

Periphlebitis retinae in multiple sclerosis. A histopathological study of two cases. Engell T, et al. **Acta Ophthalmol (Copenh)** 1985 Feb;63(1):83-8

Benign vascular invasion in vasitis nodosa. Balogh K, et al. **Am J Clin Pathol** 1985 Apr;83(4):426-30

Primary portal venopathy in the golden hamster treated with low doses of dimethylnitrosamine. Ungar H. **Liver** 1984 Aug;4(4):244-54

[Mondor's disease] Zaitseva LI, et al. **Vestn Dermatol Venerol** 1985 Apr;(4):43-5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[General physiopathology of postphlebitic syndromes] Langeron P. **Phlebologie** 1984 Oct-Dec;37(4):399-408 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Preventing superficial phlebitis during infusion of crystalloid solutions in surgical patients. Bass J, et al. **Can J Surg** 1985 Mar;28(2):124-5

Effect of filtering amphotericin B infusions on the incidence and severity of phlebitis and selected adverse reactions. Gotz VP, et al. **Drug Intell Clin Pharm** 1985 Jun; 19(6):436-9

Infusion-related phlebitis [letter] **N Engl J Med** 1985 May 30;312(22):1452-5

Microparticulate-induced phlebitis. Its prevention by in-line filtration. Falchuk KH, et al. **N Engl J Med** 1985 Jan 10; 312(2):78-82

Infusion-related phlebitis--is the in-line filter the solution? [editorial] Friedland G. **N Engl J Med** 1985 Jan 10; 312(2):113-5

SURGERY

[Changes in the philosophy of the treatment of acute phlebitis in a surgical milieu] Frileux C, et al. **Chirurgie** 1984; 110(5):481-4 (Eng. Abstr.) **(Fre)**

[Surgery in postphlebitic disease. Apropos of 157 surgical interventions] Perrin M, et al. **Phlebologie** 1984 Oct-Dec; 37(4):515-26 (Eng. Abstr.) **(Fre)**

THERAPY

[Leg ulcers of venous origin and their development around the year 1955] Marmasse J. **Phlebologie** 1984 Jul-Sep; 37(3):333-6 (Eng. Abstr.) **(Fre)**

[Thermal treatment of postphlebitic syndromes] Peanne B, et al. **Phlebologie** 1984 Oct-Dec;37(4):511-4 (Eng. Abstr.) **(Fre)**

PHLEBOGRAPHY

Hexabrix as a contrast agent for ascending leg phlebography. Murphy WA, et al. **AJR** 1985 Jun;144(6):1279-81

Comparison of the tolerance of iohexol and ioxaglate in phlebography of the legs. Thomas ML, et al. **Australas Radiol** 1984 Aug;28(3):244-6

Reliability of tests of venous function [letter] Fletcher EW, et al. **Br J Surg** 1984 Nov;71(11):913-4

Phlebography. Survey and present state. Enge I. **Invest Radiol** 1985 Jan-Feb;20(1 Suppl):S100-2

Iohexol in phlebography of the leg. A comparative investigation with meglumine metrizoate. Gjølberg T, et al. **Invest Radiol** 1985 Jan-Feb;20(1 Suppl):S103-7

Discography and vertebral venography before chemonucleolysis [letter] Crock HV. **J Neurosurg** 1985 Jul; 63(1):149-50

Diagnosis of deep-vein thrombosis: comparison of clinical evaluation, ultrasound, plethysmography, and venoscan with X-ray venogram. Sandler DA, et al. **Lancet** 1984 Sep 29;2(8405):716-9

Focal seizures, early veins, and increased flow. A clinical, angiographic, and radioisotopic correlation. Yarnell PR, et al. **Neurology** 1974 Jun;24(6):512-6

Basilar venous plexus of the posterior fossa: a potential source of error in petrosal sinus sampling. Doppman JL, et al. **Radiology** 1985 May;155(2):375-8

Esophageal varices: correlation of left gastric venography and endoscopy in patients with portal hypertension. Takashi M, et al. **Radiology** 1985 May;155(2):327-31

Comparison of impedance plethysmography with ascending venography for the diagnosis of proximal deep-vein thrombosis. Jeffery PC, et al. **S Afr Med J** 1985 Jan 5; 67(1):15-8

Early phlebographic results after iliofemoral venous thrombectomy. Stirnemann P, et al. **Thorac Cardiovasc Surg** 1984 Oct;32(5):299-303

Contrast agent-induced thrombophlebitis following leg phlebography: Iohexol compared with meglumine iothalamate. Thomas ML, et al. **Vasa** 1985;14(1):81-3

[Preoperative phlebography of the internal spermatic vein as a preventive measure against the recurrence of varicoceles in children and adolescents] Schickedanz H, et al. **Radiol Diagn (Berl)** 1985;26(2):265-70 (Eng. Abstr.) **(Ger)**

[Roentgenologic control of central venous catheters] Maurer HJ, et al. **Rontgenblatter** 1984 Nov;37(11):385-7 (Eng. Abstr.) **(Ger)**

[Phlebography in chronic venous insufficiency] Schmitt HE. **Ther Umsch** 1984 Dec;41(12):851-6 (Eng. Abstr.) **(Ger)**

[Phlebography of the uterus--a rare event in hysterosalpingography] Scharnke HD. **Zentralbl Gynakol** 1985;107(4):255-6 (Eng. Abstr.) **(Ger)**

[Doppler ultrasonography and phlebography in venous pathology of the lower limb] Andrich R, et al. **Ann Ital Chir** 1984;56(5):509-19 (Eng. Abstr.) **(Ita)**

[Ultrasonography and impedance plethysmography versus phlebography in the diagnosis of deep venous thrombosis] Gómez Alonso A, et al. **Angiologia** 1985 May-Jun; 37(3):136-7 (Eng. Abstr.) **(Spa)**

[Phlebography in acute congestion of grade 3 uterine retroversoflexion before and after manual correction] Lemus M, et al. **Rev Chil Obstet Ginecol** 1983;48(5):381-7 **(Spa)**

ADVERSE EFFECTS

Superior vena caval obstruction: an analysis of seventy-six cases, with comments on the safety of venography. Davies PF, et al. **Angiology** 1985 Jun;36(6):354-7

Gangrene of the foot: a complication of phlebography. LePage JR. **Angiology** 1985 Jun;36(6):399-405

Lidocaine and the reduction of post-venographic pain. Ockelford PA, et al. **Aust NZ J Med** 1984 Oct;14(5):622-5

[Fatal massive intravascular coagulation during phlebography. Responsibility of epsilon-aminocaproic acid?] Coste F, et al. **Presse Med** 1985 Apr 13;14(15):832-4 (Eng. Abstr.) **(Fre)**

[Systematic and local reactions during phlebography of the leg with special reference to postphlebographic complications. Randomized, prospective, intraindividual double-blind study of iopamidol and ioxithalamate (250 mg I/ml) using the 125I-fibrinogen test: II] Hagen B. **Radiologe** 1985 Jun;25(6):260-4 (Eng. Abstr.) **(Ger)**

[General and local reactions following leg venographies] Borst U, et al. **Rontgenpraxis** 1984 Sep;37(9):342-5 **(Ger)**

INSTRUMENTATION

[Universal connectors for phlebography] Dolinský A. **Cesk Radiol** 1985 Jan;39(1):42-3 **(Slo)**

METHODS

Intravenous digital subtraction angiography in the evaluation of systemic and pulmonary venous anomalies. Haggman DL, et al. **Cleve Clin Q** 1985 Spring;52(1):55-60

Incompetent perforating veins: comparison of varicography and ascending phlebography. Thomas ML, et al. **Radiology** 1985 Mar;154(3):619-23

[Complete phlebographic exploration of the venous return of the lower limbs in the clarification of pulmonary embolism. Technic and results] de Fays F, et al. **J Belge Radiol** 1984;67(6):393-9 (Eng. Abstr.) **(Fre)**

[Ascending leg phlebography with Solutrast 200. Experiences with nonionic roentgen contrast media in 150 patients] Tuengerthal S. **Rontgenpraxis** 1984 Oct;37(10):367-74 **(Ger)**

[Blocked phlebography of the (supra)hepatic veins] Lupattelli L, et al. **Radiol Med (Torino)** 1984 Jun;70(6):423-7 **(Ita)**

[Comparative study of preoperative diagnostic methods for intra- abdominal testicles. I. Resolution of spermatic phlebography] Páramo PG, et al. **Actas Urol Esp** 1985 Mar-Apr;9(2):155-68 (Eng. Abstr.) **(Spa)**

PHLEBOTOMUS

Epidemiological role of sandflies Phlebotomus smirnovi Perfiliev, 1941 and P. longiductus Parrot, 1928 in visceral leishmaniasis foci in the Kazakh SSR. Dergacheva TI, et al. **Trans R Soc Trop Med Hyg** 1985;79(1):34-6

New records of phlebotomines, leishmaniasis and mosquitoes from Suriname [letter] Hudson JE, et al. **Trans R Soc Trop Med Hyg** 1985;79(3):418-9

[Ecological aspects of phlebotomus of the Parque Nacional da Serra dos Orgãos, Rio de Janeiro. I. Monthly frequency in human baits (Diptera, Psychodidae, Phlebotominae)] de Aguiar GM, et al. **Mem Inst Oswaldo Cruz** 1984 Apr-Jun; 79(2):197-209 (Eng. Abstr.) **(Por)**

ANATOMY & HISTOLOGY

Description of the hitherto unknown female of Phlebotomus langeroni (Diptera: Psychodidae). el Sawaf B, et al. **J Med Entomol** 1985 May 24;22(3):312-4

GENETICS

The karyotype of Phlebotomus perniciosus with some observations on cytogenetics of Phlebotominae in relation to the other Psychodidae. Troiano G. **Parassitologia** 1982 Dec;24(2-3):231-6

ISOLATION & PURIFICATION

A study on Phlebotomus argentipes, Annandale and Brunetti, in Surat District, Gujarat State (India). Pandya AP. **Indian J Public Health** 1984 Jan-Mar;28(1):11-8

[A new Phlebotomus for Spain. Phlebotomus (Adlerius) mascittii Grassi, 1908] Rioux JA, et al. **Ann Parasitol Hum Comp** 1984;59(4):421-5 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Growth of two phleboviruses after experimental infection of their suspected sand fly vector, Phlebotomus perniciosus (Diptera: Psychodidae). Ciufolini MG, et al. **Am J Trop Med Hyg** 1985 Jan;34(1):174-9

Studies on the biology of phleboviruses in sand flies (Diptera: Psychodidae). I. Experimental infection of the vector. Tesh RB, et al. **Am J Trop Med Hyg** 1984 Sep;33(5):1007-16

Mycoses, bacterial infections and antibacterial activity in sandflies (Psychodidae) and their possible role in the transmission of leishmaniasis. Schlein Y, et al. **Parasitology** 1985 Feb;90 (Pt 1):57-66

PARASITOLOGY

Modification of sand fly biting behavior by Leishmania leads to increased parasite transmission. Beach R, et al. **Am J Trop Med Hyg** 1985 Mar;34(2):278-82

The development of a solid phase radioimmunoassay for the detection of leishmanial parasites in the sand fly. Frankenburg S, et al. **Am J Trop Med Hyg** 1985 Mar; 34(2):266-9

Cutaneous leishmaniasis in Kenya: transmission of Leishmania major to man by the bite of a naturally infected Phlebotomus duboscqi. Beach R, et al. **Trans R Soc Trop Med Hyg** 1984;78(6):747-51

Zoonotic cutaneous leishmaniasis in Saudi Arabia: the incrimination of Phlebotomus papatasi as the vector in the Al-Hassa oasis. Killick-Kendrick R, et al.

NEWARK PUBLIC LIBRARY

Trans R Soc Trop Med Hyg 1985;79(2):252–5

Habitat and seasonality of Psychodopygus wellcomei help incriminate it as a vector of Leishmania braziliensis in Amazônia and northeast Brazil. Ready PD, et al. **Trans R Soc Trop Med Hyg** 1984;78(4):543–4

Leishmanial infections in Lutzomyia longipalpis and Lu. antunesi (Diptera: Psychodidae) on the island of Marajó, Pará State, Brazil. Ryan L, et al. **Trans R Soc Trop Med Hyg** 1984;78(4):547–8

Leishmaniasis in Israel: reservoir hosts, sandfly vectors and leishmanial strains in the Negev, Central Arava and along the Dead Sea. Schlein Y, et al. **Trans R Soc Trop Med Hyg** 1984;78(4):480–4

[Phlebotomus of Portugal. I--Natural infestation of Phlebotomus ariasi Tonnoir, 1921 and Phlebotomus perniciosus Newstead, 1911, by Leishmania in the zoonotic focus of Arrábida (Portugal)] Pires CA. **Ann Parasitol Hum Comp** 1984;59(5):521–4 (Eng. Abstr.) **(Fre)**

[Ecology of leishmaniasis in Southern France. 18. Enzymatic identification of Leishmania infantum Nicolle, 1908, isolated from Phlebotomus ariasi Tonnoir, 1921, spontaneously infected in the Cévennes] Rioux JA, et al. **Ann Parasitol Hum Comp** 1984;59(4):331–3 (Eng. Abstr.) **(Fre)**

[The presence of Adelina riouxi Levine, 1977 (Coccidia-adeleidae) in continental France] Rioux JA, et al. **Ann Parasitol Hum Comp** 1984;59(6):635 **(Fre)**

[Possibility of long flights of mosquitoes to the settlements under protective control of gerbil colonies] Strelkova MV, et al. **Med Parazitol (Mosk)** 1985 Mar–Apr;(2):64–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Ecology of leishmaniasis in the south of France. 19. Determination of the hosts of Phlebotomus ariasi Tonnoir, 1921 in the Cévennes by bloodmeal analyses. Guy MW, et al. **Ann Parasitol Hum Comp** 1984;59(5):449–58

Ecology of leishmaniasis in the south of France. 20. Dispersal of Phlebotomus ariasi Tonnoir, 1921 as a factor in the spread of visceral leishmaniasis in the Cévennes. Killick-Kendrick R, et al. **Ann Parasitol Hum Comp** 1984;59(6):555–72

PHLEBOTOMUS FEVER see **PAPPATACI FEVER**

PHLEGMASIA ALBA DOLENS see **THROMBOPHLEBITIS**

PHLEGMON see **CELLULITIS**

PHLEOMYCINS see under **BLEOMYCINS**

PHLORETIN

ANALOGS & DERIVATIVES

Polyphloretin phosphate, an antagonist of thyrotropin action: evidence for an interaction with the hormone rather than the receptor. Amir SM, et al. **Endocrinology** 1985 Sep;117(3):860–8

Antagonistic effect of polyphloretin phosphate and di-4-phloretin phosphate on the contractile responses of guinea-pig gastric muscles to prostaglandin E2. Rakovska A, et al. **Methods Find Exp Clin Pharmacol** 1984 Dec;6(12):747–50

BLOOD

Asymmetrical binding of phloretin to the glucose transport system of human erythrocytes. Krupka RM. **J Membr Biol** 1985;83(1–2):71–80

METABOLISM

A comparison of phlorizin and phloretin adsorption by the tapeworm Hymenolepis diminuta. Lumsden RD, et al. **Comp Biochem Physiol [A]** 1984;79(1):137–41

Dihydrochalcone metabolism in the rat: phloretin. Monge P, et al. **Xenobiotica** 1984 Dec;14(12):917–24

PHARMACODYNAMICS

Phloretin inhibition of glucose transport by the tapeworm Hymenolepis diminuta: a kinetic analysis. Murphy WA, et al. **Comp Biochem Physiol [A]** 1984;78(4):749–54

An autoradiographic study of urea transport: the effect of phloretin on the luminal entry of [14C]urea. Rapoport J, et al. **Trans Assoc Am Physicians** 1984;97:283–9

PHLORETIN GLUCOSIDASE see under **GLUCOSIDASES**

PHLORHIZIN

METABOLISM

A two sodium ion/D-glucose symport mechanism: membrane potential effects on phlorizin binding. Lever JE. **Biochemistry** 1984 Sep 25;23(20):4697–702

Structural state of the Na+/D-glucose cotransporter in calf kidney brush-border membranes. Target size analysis of Na+-dependent phlorizin binding and Na+-dependent D-glucose transport. Lin JT, et al. **Biochim Biophys Acta** 1984 Nov 7;777(2):201–8

A comparison of phlorizin and phloretin adsorption by the tapeworm Hymenolepis diminuta. Lumsden RD, et al. **Comp Biochem Physiol [A]** 1984;79(1):137–41

Linear relationship of phlorizin-binding capacity and hexose uptake during differentiation in a clone of LLC-PK1 cells. Amsler K, et al. **J Cell Physiol** 1985 Feb;122(2):254–8

PHARMACODYNAMICS

Effect of phlorizin on the changes of membrane potential, water, Na and K transport induced by cevadine in frog muscle. Cseri J, et al. **Acta Physiol Hung** 1985;65(1):65–80

Effect of phlorizin on the action potential and voltage-dependent ionic conductances in frog skeletal muscle. Cseri J. **Acta Physiol Hung** 1984;64(2):143–55

THERAPEUTIC USE

Correction of hyperglycemia with phloridzin restores the glucagon response to glucose in insulin-deficient dogs: implications for human diabetes. Starke A, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1544–6

PHLOXINE B see under **FLUORESCEINS**

PHOBIA, SCHOOL see **PHOBIC DISORDERS**

PHOBIA, SOCIAL see **PHOBIC DISORDERS**

PHOBIAS see **PHOBIC DISORDERS**

PHOBIC DISORDERS

Venereophobia [letter] **Br J Hosp Med** 1984 Sep;32(3):155

Classification and diagnosis of depression in school phobia. Kolvin I, et al. **Br J Psychiatry** 1984 Oct;145:347–57

BLOOD

Plasma serotonin levels in agoraphobia [letter] Evans L, et al. **Am J Psychiatry** 1985 Feb;142(2):267

Platelet monoamine oxidase activity in patients with panic disorder. Gorman J, et al. **Biol Psychiatry** 1985 Aug;20(8):852–7

Catecholamine secretion as a function of perceived coping self-efficacy. Bandura A, et al. **J Consult Clin Psychol** 1985 Jun;53(3):406–14

CHEMICALLY INDUCED

Tourette syndrome, pimozide, and school phobia: the neuroleptic separation anxiety syndrome. Linet LS. **Am J Psychiatry** 1985 May;142(5):613–5

CLASSIFICATION

Classification of severe school attendance problems. Berg I, et al. **Psychol Med** 1985 Feb;15(1):157–65

COMPLICATIONS

Specificity of lactate infusions in social phobia versus panic disorders. Liebowitz MR, et al. **Am J Psychiatry** 1985 Aug;142(8):947–50

Major depression in patients with agoraphobia and panic disorder. Breier A, et al. **Arch Gen Psychiatry** 1984 Dec;41(12):1129–35

Agoraphobia, the panic attack and the hyperventilation syndrome. Ley R. **Behav Res Ther** 1985;23(1):79–81

Koro [letter] Padi MH. **Br J Psychiatry** 1984 Nov;145:558–9

Digoxin toxicity presenting with psychosis in a patient with chronic phobic anxiety. Carney MW, et al. **Clin Neuropharmacol** 1985;8(2):193–5

DIAGNOSIS

Phobic states presenting as somatic complaints syndromes in Nigeria: socio-cultural factors associated with diagnosis and psychotherapy. Morakinyo O. **Acta Psychiatr Scand** 1985 Apr;71(4):356–65

Social phobia. Review of a neglected anxiety disorder. Liebowitz MR, et al. **Arch Gen Psychiatry** 1985 Jul;42(7):729–36 (84 ref.)

Agoraphobia and the dexamethasone suppression test: atypical depression? Whiteford HA, et al. **Aust NZ J Psychiatry** 1984 Dec;18(4):374–7

Differential diagnosis and treatment of the 'housebound syndrome'. Rapp MS. **Can Med Assoc J** 1984 Nov 1;131(9):1041–4

The relationship of panic disorder to agoraphobia. Garvey MJ, et al. **Compr Psychiatry** 1984 Sep-Oct;25(5):529–31

A comparison of panic disorder and agoraphobia with panic attacks. Thyer BA, et al. **Compr Psychiatry** 1985 Mar–Apr;26(2):208–14

Assessment of fear of fear in agoraphobics: the body sensations questionnaire and the agoraphobic cognitions questionnaire. Chambless DL, et al. **J Consult Clin Psychol** 1984 Dec;52(6):1090–7

Panic disorder: fear disguised as medical illness. Weiss KJ. **J Med Soc NJ** 1985 Feb;82(2):141–2

On the nature and measurement of agoraphobia. Williams SL. **Prog Behav Modif** 1985;19:109–44

[Agoraphobia with panic attacks. Value of the dexamethasone test (letter)] Cottraux J, et al. **Presse Med** 1984 Nov 24;13(42):2582 **(Fre)**

[Prognosis in obsessive-phobic disorders in childhood and adolescence] Oancea C, et al. **Rev Med Interna [Neurol Psihiatr]** 1985 Jan–Mar;30(1):47–55 **(Rum)**

DRUG THERAPY

Imipramine in the treatment of agoraphobia: dose-response relationships. Mavissakalian M, et al. **Am J Psychiatry** 1985 Sep;142(9):1032–6

Dysmorphophobia [letter] Jenike MA. **Br J Psychiatry** 1985 Mar;146:326

The effects of timolol maleate on subjective and physiological components of air travel phobia. Campos PE, et al. **Can J Psychiatry** 1984 Nov;29(7):570–4

Behavioral effects of diazepam and propranolol in patients with panic disorder and agoraphobia. Ghoneim MM, et al. **Neuropsychobiology** 1984;11(4):229–35

Psychopharmacological treatment of social phobia. Liebowitz MR, et al. **Psychopharmacol Bull** 1985;21(3):610–4

Agoraphobia and panic disorder: treatment with alprazolam. Mark SL. **Tex Med** 1984 Oct;80(10):50–2

ETIOLOGY

The etiology and maintenance of severe animal phobias. McNally RJ, et al. **Behav Res Ther** 1985;23(4):431–5

Observational conditioning of snake fear in rhesus monkeys. Mineka S, et al. **J Abnorm Psychol** 1984 Nov;93(4):355–72

Secondary agoraphobia: two case reports. Sadler JZ, et al. **J Clin Psychiatry** 1984 Nov;45(11):482–3

FAMILIAL & GENETIC

The familial occurrence of agoraphobia. Moran C, et al. **Br J Psychiatry** 1985 Mar;146:262–7

OCCURRENCE

Prevalence of dentistry phobia and its relation to missing teeth, alveolar bone loss and dental care habits in an urban community sample. Hällström T, et al. **Acta Psychiatr Scand** 1984 Nov;70(5):438–46

Estimating the prevalence of school refusal and school-related fears. A Venezuelan sample. Granell de Aldaz E, et al. **J Nerv Ment Dis** 1984 Dec;172(12):722–9

PHYSIOPATHOLOGY

Otoneurological examination in panic disorder and agoraphobia with panic attacks: a pilot study. Jacob RG, et al. **Am J Psychiatry** 1985 Jun;142(6):715–20

Rachman and Hodgson (1974) a decade later: how do desynchronous response systems relate to the treatment of agoraphobia? Vermilyea JA, et al. **Behav Res Ther** 1984;22(6):615–21

The dexamethasone suppression test in agoraphobia. Peterson GA, et al. **J Clin Psychopharmacol** 1985 Apr;5(2):100–2

On the diphasic nature of vasovagal fainting associated with blood-injury-illness phobia. Thyer BA, et al. **Pavlov J Biol Sci** 1985 Apr–Jun;20(2):84–7

The sleep of patients with panic disorder: a preliminary report. Uhde TW, et al. **Psychiatry Res** 1984 Jul;12(3):251–9

Cortisol excretion during the defense reaction in humans. Fredrikson M, et al. **Psychosom Med** 1985 Jul–Aug;47(4):313–9

Endocrine and cardiovascular responses during phobic anxiety. Nesse RM, et al. **Psychosom Med** 1985 Jul–Aug;47(4):320–32

[The dexamethasone suppression test in agoraphobia with panic attacks. 30 cases] Cottraux J, et al. **Encephale** 1984;10(6):267–72 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

School refusal: the heterogeneity of a concept. Atkinson L, et al. **Am J Orthopsychiatry** 1985 Jan;55(1):83–101

Panic attacks, hypochondriasis, and agoraphobia: a self-psychology formulation. Diamond DB. **Am J Psychother** 1985 Jan;39(1):114–25

Families of agoraphobic women. Quadrio C. **Aust NZ J Psychiatry** 1984 Jun;18(2):164–70

The relationship between cognitions and anxiety. A preliminary report. Last CG, et al. **Behav Modif** 1985 Apr;9(2):235–41

The Mobility Inventory for Agoraphobia. Chambless DL, et al. **Behav Res Ther** 1985;23(1):35–44

The relationship of severity of agoraphobia to associated psychopathology. Chambless DL. **Behav Res Ther** 1985;23(3):305–10

A study of the psychology of agoraphobia. Fisher LM, et al. **Behav Res Ther** 1985;23(2):97–107

Acquisition of blood and dental phobia and anxiety response patterns in clinical patients. Ost LG, et al. **Behav Res Ther** 1985;23(1):27–34

The experimental analysis of agoraphobia. Rachman S. **Behav Res Ther** 1984;22(6):631–40

Imagery in phobic subjects: a psychophysiological study. Robinson A, et al. **Behav Res Ther** 1985;23(3):247–53

Case histories and shorter communications. Agoraphobia: a test of the separation anxiety hypothesis. Thyer BA, et al. **Behav Res Ther** 1985;23(1):75–8

The effects of ethanol intoxication on phobic anxiety. Thyer BA, et al. **Behav Res Ther** 1984;22(6):599–610

Questionnaire dimensions of spider phobia. Watts FN, et al. **Behav Res Ther** 1984;22(5):575–80

Amniocentesis and rhaphiphobia: a preliminary survey. Peters JA. **Birth Defects** 1984;20(6):201-7

Selective memory effects in agoraphobic patients. Nunn JD, et al. **Br J Clin Psychol** 1984 Sep;23 (Pt 3):195-201

Relationships between spider constructs in phobics. Watts FN, et al. **Br J Med Psychol** 1985 Jun;58 (Pt 2):149-53

Koro and psychosis. Ang PC, et al. **Br J Psychiatry** 1984 Sep;145:335

Psychological profile of the spouse of the female agoraphobic patient. Personality and symptoms. Arrindell WA, et al. **Br J Psychiatry** 1985 Apr;146:405-14

Koro-like symptom in a non-Chinese subject. Berrios GE, et al. **Br J Psychiatry** 1984 Sep;145:331-4

Educating phobic clients about the physiology of their feelings. Badding NC. **Health Soc Work** 1985 Winter; 10(1):23-34

The onset of driving phobias. Munjack DJ. **J Behav Ther Exp Psychiatry** 1984 Dec;15(4):305-8

Blood-injury-illness phobia: a review. Thyer BA, et al. **J Clin Psychol** 1985 Jul;41(4):451-9

Panic disorder and alcohol misuse. Hudson CJ, et al. **J Stud Alcohol** 1984 Sep;45(5):462-4

A test of the repression hypothesis in agoraphobics. Arrindell WA, et al. **Psychol Med** 1985 Feb;15(1):125-9

Relation of agoraphobics health locus of control orientation to severity of agoraphobia. Adler D, et al. **Psychol Rep** 1985 Apr;56(2):619-25

The preparedness theory of phobias: the effects of initial fear level on safety-signal conditioning to fear-relevant stimuli. McNally RJ, et al. **Psychophysiology** 1984 Nov; 21(6):647-52

[Phobias] Emmelkamp PM. **Ned Tijdschr Geneeskd** 1985 Mar 16;129(11):489-92 **(Dut)**

[The brazen-masked man. Argyria as a solution to autodysosmophobia] Cremniter D, et al. **Ann Med Psychol (Paris)** 1984 Nov;142(9):1223-31 **(Fre)**

[Phobic organ neuroses] Plassman R. **Psychother Psychosom Med Psychol** 1985 Aug;35(8):213-8 (Eng. Abstr.) **(Ger)**

[Experimental psychologic analysis of memory processes in phobic patients] Streblow H, et al. **Z Psychol** 1985; 193(1-2):147-61 (Eng. Abstr.) **(Ger)**

THERAPY

Effects of four treatment methods on social phobic patients not suitable for insight-oriented psychotherapy. Alström JE, et al. **Acta Psychiatr Scand** 1984 Aug;70(2):97-110

Agoraphobics and social phobics: differences in background factors, syndrome profiles and therapeutic response. Persson G, et al. **Acta Psychiatr Scand** 1985 Feb; 71(2):148-59

Early interpersonal relations: experience of four treatment methods in phobic women. Persson G. **Acta Psychiatr Scand** 1984 Aug;70(2):111-8

Agoraphobia. Horn TL. **Am Fam Physician** 1985 Jul; 32(1):165-73

Hypnosis in the treatment of phobias: a review of the literature. McGuinness TP. **Am J Clin Hypn** 1984 Apr; 26(4):261-72

Utilizing the creative unconscious in the treatment of hypodermic phobias and sleep disturbance. Nugent WR, et al. **Am J Clin Hypn** 1984 Jan;26(3):201-5

Hypnotic regression and reframing in the treatment of insect phobias. Domangue BB. **Am J Psychother** 1985 Apr; 39(2):206-14

Management of school refusal. Berg I. **Arch Dis Child** 1985 May;60(5):486-8

Hazards of in vivo exposure [letter] Jackson HJ. **Aust NZ J Psychiatry** 1984 Sep;18(3):290

Assessing cognitive aspects of anxiety. Stability over time and agreement between several methods. Last CG, et al. **Behav Modif** 1985 Jan;9(1):72-93

Transfer of behavioral change across phobias in multiply phobic clients. Williams SL, et al. **Behav Modif** 1985 Jan; 9(1):22-31

The external validity of analogue outcome research: evaluation of cognitive and behavioral interventions. Emmelkamp PM, et al. **Behav Res Ther** 1985;23(1):83-6

The process of exposure in vivo: cognitive and physiological changes during treatment of acrophobia. Emmelkamp PM, et al. **Behav Res Ther** 1985;23(2):219-23

Social phobia: a comparative evaluation of cognitive and behavioral interventions. Emmelkamp PM, et al. **Behav Res Ther** 1985;23(3):365-9

Assessment of agoraphobia: triple response measurement. Himadi WG, et al. **Behav Res Ther** 1985;23(3):311-23

The role of relaxation in systematic desensitization. Levin RB, et al. **Behav Res Ther** 1985;23(2):187-96

Male and female agoraphobia: are they different? Mavissakalian M. **Behav Res Ther** 1985;23(4):469-71

Individual response patterns and the effects of different behavioral methods in the treatment of agoraphobia. Ost LG, et al. **Behav Res Ther** 1984;22(6):697-707

Return of fear in the treatment of a fear of vomiting. Philips HC. **Behav Res Ther** 1985;23(1):45-52

Combined pharmacological and behavioral treatment for agoraphobia. Telch MJ, et al. **Behav Res Ther** 1985; 23(3):325-35

Desensitization treatment of agoraphobia. James JE. **Br J Clin Psychol** 1985 May;24 (Pt 2):133-4

Skin conductance changes and psychotherapeutic content in the treatment of a phobic patient. Glucksman ML, et al. **Br J Med Psychol** 1985 Jun;58 (Pt 2):155-63

Marital adjustment and treatment outcome in agoraphobia. Monteiro W, et al. **Br J Psychiatry** 1985 Apr;146:383-90

Treat mother too—'failed' psychotherapy of an adolescent with school refusal. Menahem S, et al. **Child Psychiatry Hum Dev** 1984 Spring;14(3):170-7

Psychoanalysis and contextual analysis of phobias. Zane MD. **J Am Acad Psychoanal** 1984 Oct;12(4):553-68

The effects of graded exposure and parental modeling on the dental phobias of a four-year-old girl and her mother. Klesges RC, et al. **J Behav Ther Exp Psychiatry** 1984 Jun; 15(2):161-4

Paradoxical intention in the treatment of agoraphobia and other anxiety disorders. Michelson L, et al. **J Behav Ther Exp Psychiatry** 1984 Sep;15(3):215-20

Modification of disease phobia using a multifaceted exposure program. Tearnan BH, et al. **J Behav Ther Exp Psychiatry** 1985 Mar;16(1):57-61

Psychophysiological outcome of behavioral and pharmacological treatments of agoraphobia. Michelson L, et al. **J Consult Clin Psychol** 1985 Apr;53(2):229-36

Guided mastery and performance desensitization treatments for severe acrophobia. Williams SL, et al. **J Consult Clin Psychol** 1985 Apr;53(2):237-47

Treatment of social phobia by exposure, cognitive restructuring, and homework assignments. Heimberg RG, et al. **J Nerv Ment Dis** 1985 Apr;173(4):236-45

Behavioral treatment of social phobia. Marks I. **Psychopharmacol Bull** 1985;21(3):615-8

[Integration of Leonhard's individual therapeutic approaches in ambulatory psychotherapy] Sitte E. **Psychiatr Neurol Med Psychol (Leipz)** 1984 Nov; 36(11):655-60 (Eng. Abstr.) **(Ger)**

PHOBIC NEUROSES see **PHOBIC DISORDERS**

PHOCOMELIA see **ECTROMELIA**

PHODOPUS see **HAMSTERS**

PHONATION see under **VOICE**

PHONATION DISORDERS see **VOICE DISORDERS**

PHONETICS

Aphasia with exclusively consonant-vowel recurring utterances: tan-tan revisited. de Bleser R, et al. **Adv Neurol** 1984;42:51-7

Phonologic disturbances in aphasia: is there a 'markedness effect' in aphasic phonetic errors? Nespoulous JL, et al. **Adv Neurol** 1984;42:203-14

Phonological process analysis of the speech of mentally retarded adults. Moran MJ, et al. **Am J Ment Defic** 1984 Nov;89(3):304-6

The impact of phonemic processing instruction on the reading achievement of reading-disabled children. Richardson E. **Ann NY Acad Sci** 1984;433:97-118

Patterns of phoneme identification error in cochlear and eighth-nerve disorders. Hannley M, et al. **Audiology** 1985; 24(3):157-66

Phonetic features and phonological features in speech assessment. Harris J, et al. **Br J Disord Commun** 1985 Apr; 20(1):61-80

Phonological confusability in short-term memory for sentences as a predictor of reading ability. Jorm AF, et al. **Br J Psychol** 1984 Aug;75 (Pt 3):393-400

Ear advantages for temporal resolution in baboons. Pohl P. **Brain Cogn** 1984 Oct;3(4):438-44

Event-related potentials in phonological matching tasks. Rugg MD. **Brain Lang** 1984 Nov;23(2):225-40

Laterality differences in speaker and consonant identification in dichotic listening. Tartter VC. **Brain Lang** 1984 Sep; 23(1):74-85

The occurrence of paraphasias in the spontaneous speech of children with an acquired aphasia. Visch-Brink EG, et al. **Brain Lang** 1984 Nov;23(2):258-71

What can the spectral characteristics of stop consonants tell us about the realization of place of articulation in Broca's aphasia? A reply to Shinn and Blumstein. Ziegler W. **Brain Lang** 1984 Sep;23(1):167-74

Children's memory for phonemically confusable and nonconfusable letters: changes with age and reading ability. Bisanz GL, et al. **Child Dev** 1984 Oct;55(5):1845-54

Modeled velopharyngeal orifice area prediction during simulated stop consonant production in the presence of increased nasal airway resistance. Smith BE, et al. **Cleft Palate J** 1985 Jul;22(3):149-53

Oral air flow during vowel production of children and adults. Stathopoulos ET. **Cleft Palate J** 1984 Oct;21(4):277-85

Vowel oral air flow rates and air volumes for vowels [letter] Warren DW. **Cleft Palate J** 1985 Apr;22(2):134-5

Phonetic reduction of names. Fenna D. **Comput Programs Biomed** 1984;19(1):31-6

Place-of-articulation information in the closure voicing of plosives [letter] Barry WJ. **J Acoust Soc Am** 1984 Oct; 76(4):1245-7

On some issues in the pursuit of acoustic invariance in speech: a reply to Lisker. Blumstein SE, et al. **J Acoust Soc Am** 1985 Mar;77(3):1203-4

Central auditory processing of peripheral vowel spectra. Chistovich LA. **J Acoust Soc Am** 1985 Mar;77(3):789-805

Perceiving vowels in the presence of another sound: constraints on formant perception. Darwin CJ. **J Acoust Soc Am** 1984 Dec;76(6):1636-47

Phonetic identification by elderly normal and hearing-impaired listeners. Dorman MF, et al. **J Acoust Soc Am** 1985 Feb;77(2):664-70

Syllable identification by children and adults for two task conditions. Elliott LL, et al. **J Acoust Soc Am** 1985 Mar; 77(3):1258-60

Speech quality evaluation using 'phoneme-specific' sentences. Huggins AW, et al. **J Acoust Soc Am** 1985 May; 77(5):1896-906

Perceptual integration of the murmur and formant transitions for place of articulation in nasal consonants. Kurowski K, et al. **J Acoust Soc Am** 1984 Aug;76(2):383-90

An approach to normalization of coarticulation effects for vowels in connected speech. Kuwabara H. **J Acoust Soc Am** 1985 Feb;77(2):686-94

A reconsideration of acoustic invariance for place of articulation in diffuse stop consonants: evidence from a cross-language study. Lahiri A, et al. **J Acoust Soc Am** 1984 Aug;76(2):391-404

The pursuit of invariance in speech signals. Lisker L. **J Acoust Soc Am** 1985 Mar;77(3):1199-202

A multispeaker analysis of durations in read French paragraphs. O'Shaughnessy D. **J Acoust Soc Am** 1984 Dec; 76(6):1664-72

Variability in production of the vowels /i/ and /a/. Perkell JS, et al. **J Acoust Soc Am** 1985 May;77(5):1889-95

Influence of following context on perception of the voiced-voiceless distinction in syllable-final stop consonants. Repp BH, et al. **J Acoust Soc Am** 1985 Aug; 78(2):445-57

Perceptual cues to the voiced-voiceless distinction of final fricatives for listeners with impaired or with normal hearing. Revoile SG, et al. **J Acoust Soc Am** 1985 Mar; 77(3):1263-5

Which syllable does an intervocalic stop belong to? A selective adaptation study. Samuel AG, et al. **J Acoust Soc Am** 1984 Dec;76(6):1652-63

Discrimination of fundamental frequency of synthesized vowel sounds in a noise background. Scheffers MT. **J Acoust Soc Am** 1984 Aug;76(2):428-34

Spectral sharpness and vowel dissimilarity. van Veen TM, et al. **J Acoust Soc Am** 1985 Feb;77(2):628-34

Production of /s/ as a function of word frequency, phonetic environment, and phoneme position. Bennett CW, et al. **J Commun Disord** 1984 Oct;17(5):361-9

Normativity in 18th century discourse on speech. MacNamee T. **J Commun Disord** 1984 Nov;17(6):407-23

The natural occurrence of generalization during articulation treatment. Olswang LB, et al. **J Commun Disord** 1985 Apr; 18(2):109-29

The acquisition of a phonologic feature of Black English. Seymour HN, et al. **J Commun Disord** 1985 Apr; 18(2):139-48

Effects of phonological ambiguity on beginning readers of Serbo-Croatian. Feldman LB, et al. **J Exp Child Psychol** 1985 Jun;39(3):492-510

Discrimination of polysyllabic sequences by one- to four-month-old infants. Karzon RG. **J Exp Child Psychol** 1985 Apr;39(2):326-42

Children's perception of sibilants: the relation between articulation and perceptual development. Mann VA, et al. **J Exp Child Psychol** 1985 Apr;39(2):252-64

Onsets and rimes as units of spoken syllables: evidence from children. Treiman R. **J Exp Child Psychol** 1985 Feb; 39(1):161-81

Phonemic awareness and spelling: children's judgments do not always agree with adults. Treiman R. **J Exp Child Psychol** 1985 Feb;39(1):182-201

Effects of priming in word retrieval. Bowles NL, et al. **J Exp Psychol [Learn Mem Cogn]** 1985 Apr;11(2):272-83

Speech sound distortions caused by changes in complete denture morphology. Petrović A. **J Oral Rehabil** 1985 Jan; 12(1):69-79

Some problems in the clinical application of phonological theory [letter] Foster D, et al. **J Speech Hear Disord** 1985 Aug;50(3):294-7

Misarticulating and normally articulating children's identification and discrimination of synthetic [r] and [w]. Hoffman PR, et al. **J Speech Hear Disord** 1985 Feb; 50(1):46-53

Relationship between early pronunciation processes and later pronunciation skill. Klein HB. **J Speech Hear Disord** 1985 May;50(2):156-65

A preliminary investigation of reduplication in children with specific language impairment. Lahey M, et al. **J Speech Hear Disord** 1985 May;50(2):186-94

Nature and boundaries of phonologic categories: a case study of an unusual phonologic pattern in a language-impaired child. Leonard LB, et al. **J Speech Hear Disord** 1984 Nov; 49(4):419-28

Unusual and subtle phonological behavior in the speech of phonologically disordered children. Leonard LB. **J Speech Hear Disord** 1985 Feb;50(1):4-13

Vowel confusions of hearing-impaired listeners under reverberant and nonreverberant conditions. Nabelek AK, et al. **J Speech Hear Disord** 1985 May;50(2):126-31

Dissociations between vowel durations and formant frequency characteristics. Bernstein-Ratner N. **J Speech Hear Res** 1985 Jun;28(2):255-64

Simplification of /s/ + stop consonant clusters: a developmental perspective. Catts HW, et al. **J Speech Hear Res** 1984 Dec;27(4):556-61

Homonymy and the voiced-voiceless distinction in the speech of children with specific language impairment. Leonard LB, et al. **J Speech Hear Res** 1985 Jun; 28(2):215-24

Do infants perceive similarity within feature classes? A critique of Hillenbrand [letter] Moroff D. **J Speech Hear Res** 1985 Jun;28(2):316-8

Frequency selectivity and consonant intelligibility in sensorineural hearing loss. Preminger J, et al. **J Speech Hear Res** 1985 Jun;28(2):197-206

Effect of formant frequency onset variation on the differentiation of synthesized /w/ and /r/ sounds. Sharf DJ, et al. **J Speech Hear Res** 1984 Sep;27(3):475-9

A procedure for phonetic transcription by consensus. Shriberg LD, et al. **J Speech Hear Res** 1984 Sep; 27(3):456-65

Cognitive risk-taking after frontal or temporal lobectomy—II. The synthesis of phonemic and semantic information. Miller L, et al. **Neuropsychologia** 1985; 23(3):371-9

Effects of spelling-to-sound regularity on word identification following brief presentation in the right or left visual field. Parkin AJ, et al. **Neuropsychologia** 1985;23(2):279-83

Processing of short vowels, long vowels, and vowel digraphs by disabled and non-disabled readers. Calhoun ML, et al. **Percept Mot Skills** 1984 Dec;59(3):951-6

Phonetic explanation in phonology: the feature fortis/lenis. Kohler KJ. **Phonetica** 1984;41(3):150-74 (113 ref.)

Timing constraints and coarticulation: alveolo-palatals and sequences of alveolar + [j] in Catalan. Recasens D. **Phonetica** 1984;41(3):125-39

Effects of temporal stimulus properties on perception of the [sl]-[spl] distinction. Repp BH. **Phonetica** 1984;41(3):117-24

Morphological decomposition: evidence from crossed phonological dyslexia. Job R, et al. **Q J Exp Psychol [A]** 1984 Aug;36(3):435-58

The nature of phonological processing in oral reading: evidence from surface dyslexia. Kay J, et al. **Q J Exp Psychol [A]** 1985 Feb;37(1):39-81

The neuropsychology of writing and spelling: semantic, phonological, motor, and perceptual processes. Margolin DI. **Q J Exp Psychol [A]** 1984 Aug;36(3):459-89

Detection and resolution of audio-visual incompatibility in the perception of vowels. Summerfield Q, et al. **Q J Exp Psychol [A]** 1984 Feb;36(1):51-74

[Importance of the phonetic structure of words for their intelligibility under noisy conditions] Danev S. **Probl Khig** 1984;9:36-41 (Eng. Abstr.) **(Bul)**

PHONOCARDIOGRAPHY

Proceedings of the Third European Conference on Mechanography. Berlin, GDR, September 22-24, 1983. Abstracts. **Acta Cardiol (Brux)** 1985;40(1):1-178

Phonocardiographic characteristics of the total artificial heart. Anderson FL. **Am J Cardiol** 1985 Jul 1;56(1):205-6

Echophonocardiographic estimates of pulmonary artery wedge pressure in mitral stenosis. Rahko PS, et al. **Am J Cardiol** 1985 Feb 1;55(4):462-9

Relation of intensity of cardiac sounds to age. Reddy PS, et al. **Am J Cardiol** 1985 May 1;55(11):1383-8

Relationships between the electrocardiogram and phonocardiogram: potential for improved heart monitoring. Stodieck LS, et al. **ISA Trans** 1984;23(4):59-65

Proceedings of the First Asian Conference on Mechanocardiography. November 23rd-26th, 1983, Tokyo, Japan. Proceedings and abstracts. **J Cardiogr** 1984 Oct;14 Suppl 5:1-286

Contribution of pharmacologic tests to the diagnosis of left ventricular regurgitations and obstructions: a phono-echocardiographic confrontation. Baragan J. **J Cardiogr** 1984 Oct;14 Suppl 5:47-51

Fundamental basis and clinical validation of frequency analysis of the valve closure sound as an indicator of stiffening of bioprosthetic valves. Stein PD, et al. **J Cardiogr** 1984 Oct;14 Suppl 5:57-8

Mechanocardiographic findings in pericardial constriction. Tavel ME, et al. **J Cardiogr** 1984 Oct;14 Suppl 5:3-8

[Phonomechanocardiography and/or echocardiography] Baragan J, et al. **Arch Mal Coeur** 1984 Sep;77(9):979-82 **(Fre)**

[Phonomechanographic evaluation of left ventricular function in hyperthyroid states] Drui S, et al. **Arch Mal Coeur** 1984 Aug;77(8):924-9 (Eng. Abstr.) **(Fre)**

[False chordae tendineae in the left ventricle. Echo and phonocardiographic findings] Wessel A, et al. **Z Kardiol** 1985 May;74(5):303-7 (Eng. Abstr.) **(Ger)**

[Noninvasive diagnosis of mitral and tricuspid insufficiency] Sciomer S, et al. **Boll Soc Ital Cardiol** 1983 Oct; 28(10):815-26 (Eng. Abstr.) **(Ita)**

[Phonocardiographic findings of atypical patent ductus arteriosus with pulmonary hypertension] Matsuhisa M, et al. **J Cardiogr** 1984 Aug;14(2):375-87 (Eng. Abstr.) **(Jpn)**

[Dynamics of the phonocardiographic picture following the bioprosthesis of the mitral valve] Barbarash LS, et al. **Kardiologiia** 1985 Apr;25(4):64-7 (Eng. Abstr.) **(Rus)**

[Phonocardiographic changes in patients with primary pulmonary hypertension] Konopleva LF, et al. **Vrach Delo** 1984 Aug;(8):34-5 **(Rus)**

[Quantification of pulmonary arterial hypertension by phonocardiography and M-mode echocardiography in children with congenital cardiopathies] Trejo-Gutiérrez JF, et al. **Arch Inst Cardiol Mex** 1985 Mar-Apr; 55(2):109-14 (Eng. Abstr.) **(Spa)**

[Evaluation of pulmonary arterial hypertension by phonoechocardiography and Doppler] Vargas Barrón J, et al. **Arch Inst Cardiol Mex** 1984 Nov-Dec;54(6):615-9 (Eng. Abstr.) **(Spa)**

METHODS

A non-invasive study of the third heart sound in children by phono and echo-cardiography. Ewing G, et al. **Acta Cardiol (Brux)** 1984;39(4):241-54

Investigation of genesis of gallop sounds in dogs by quantitative phonocardiography and digital frequency analysis. Aubert AE, et al. **Circulation** 1985 May; 71(5):987-93

[Importance of a statistical probability analysis of amplitude fluctuations in fetal PCG tones for detecting umbilical cord pathology during pregnancy] Logvinenko AV, et al. **Akush Ginekol (Mosk)** 1985 Apr;(4):30-2 (Eng. Abstr.) **(Rus)**

PHORATE see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

PHORBOL ESTERS see under **PHORBOLS**

PHORBOLS

Effects of short-term exposure to the tumor promoter, 12-O-tetradecanoylphorbol-13-acetate on skin carcinogenesis in SENCAR mice. Diwan BA, et al. **Cancer Lett** 1985 Mar;26(2):177-84

Stability of the 'second stage' promoter 12-O-retinoylphorbol-13-acetate. Tremp GL, et al. **Cancer Res** 1985 May;45(5):2390-1

DBA/2 mice are as sensitive as SENCAR mice to skin tumor promotion by 12-O-tetradecanoylphorbol-13-acetate. DiGiovanni J, et al. **Carcinogenesis** 1984 Nov;5(11):1493-8

A strain of hairless mouse susceptible to tumorigenesis by TPA alone: studies with 8-methoxypsoralen and solar simulated radiation. Gibbs NK, et al. **Carcinogenesis** 1985 May;6(5):797-9

Role of reactive oxygen in tumor promotion: implication of superoxide anion in promotion of neoplastic transformation in JB-6 cells by TPA. Nakamura Y, et al. **Carcinogenesis** 1985 Feb;6(2):229-35

Release of fibronectin is linked to tumor promotion: response of promotable and non-promotable clones of a mouse epidermal cell line. Zerlauth G, et al. **Carcinogenesis** 1985 Jan;6(1):73-8

Biological activity of a fluorescent 12-O-tetradecanoyl-phorbol-13-acetate derivative. Honikman-Leban E, et al. **Gann** 1984 Sep;75(9):729-31

Effects of 12-O-tetradecanoylphorbol-13-acetate on carcinogenesis in the heterotopically transplanted rat urinary bladder. Izumi K, et al. **Gann** 1984 Sep;75(9):756-62

Role of oxygen radicals in phorbol myristate acetate-induced glomerular injury. Rehan A, et al. **Kidney Int** 1985 Mar; 27(3):503-11

ANALYSIS

Radioimmunoassay for phorbol esters using rabbit antisera against phorbol succinate. Tashjian AH Jr, et al. **Cancer Res** 1985 Jan;45(1):103-7

[Tissue polypeptide antigen in gynecological cancer] Saitoh S, et al. **Gan No Rinsho** 1985 Jan;31(1):65-72 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Effects of local anesthetics on phorbol ester-induced ornithine decarboxylase activity in mouse and human skin. Loprinzi CL, et al. **Anticancer Res** 1984 Nov-Dec; 4(6):363-6

Cyclosporin A inhibits biological effects of tumor promoting phorbol esters. Gschwendt M, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):327-32

Inhibitory effects of various drugs on phorbol myristate acetate and n-formyl methionyl leucyl phenylalanine induced O2- production in polymorphonuclear leukocytes. Taniguchi K, et al. **Biochem Pharmacol** 1984 Oct 15; 33(20):3165-9

Inhibition of phorbol ester-caused synthesis of mouse epidermal ornithine decarboxylase by retinoic acid. Verma AK. **Biochim Biophys Acta** 1985 Jul 30;846(1):109-19

Inhibition of the effects of 12-O-tetradecanoylphorbol-13-acetate on mouse epidermal glutathione peroxidase and ornithine decarboxylase activities by glutathione level-raising agents and selenium-containing compounds. Perchellet JP, et al. **Cancer Lett** 1985 Apr;26(3):283-93

Effects of agents known to antagonize the enhancement of in vitro transformation by 12-tetradecanoyl-phorbol-13-acetate (TPA) on the TPA suppression of metabolic cooperation. Radner BS, et al. **Cancer Lett** 1984 Dec;25(2):139-44

Retinoids antagonize the induction of ornithine decarboxylase activity by phorbol esters and phospholipase C in rat tracheal epithelial cells. Jetten AM, et al. **J Cell Physiol** 1985 Jun;123(3):386-94

BLOOD

Radioimmunoassay for phorbol esters using rabbit antisera against phorbol succinate. Tashjian AH Jr, et al. **Cancer Res** 1985 Jan;45(1):103-7

DIAGNOSTIC USE

Two receptor classes for epidermal growth factor on pheochromocytoma cells, distinguishable by temperature, lectins, and tumor promoters. Boonstra J, et al. **J Cell Physiol** 1985 Jun;123(3):347-52

ISOLATION & PURIFICATION

Active principles of the Euphorbiaceae. VII. Milliamines H and I, peptide esters of 20-deoxy-5 epsilon-hydroxyphorbol from Euphorbia milii. Marston A, et al. **Planta Med** 1984 Aug;50(4):319-22

METABOLISM

Hydrolysis of novel diacylglycerol analogs and phorbol diesters by serum lipase. Cabot MC. **Biochim Biophys Acta** 1985 Feb 8;833(2):330-5

Phospholipids involved in specific binding of 12-O-(5-azido-2-nitrobenzoyl)phorbol-13-acetate to epidermal microsomes, a photolabeling study. Schmidt R, et al. **Cancer Lett** 1985 Feb;26(1):97-111

Phorbol ester binding to chemotactically responding and nonresponding Walker 256 carcinosarcoma cells. Clarke PR, et al. **Cancer Res** 1984 Nov;44(11):4967-71

Modulation of protein kinase C activity and [3H]phorbol 12,13-dibutyrate binding by various tumor promoters in mouse brain cytosol. Leach KL, et al. **Cancer Res** 1985 May;45(5):1958-63

Highly lipophilic phorbol esters as inhibitors of specific [3H]phorbol 12,13-dibutyrate binding. Sharkey NA, et al. **Cancer Res** 1985 Jan;45(1):19-24

Intracellular localization of 12-O-3-N-dansylamino TPA in C3H/10T1/2 mouse cell line. Tran PL, et al. **Carcinogenesis** 1985 Mar;6(3):433-9

Tumor promoter 12-O-tetradecanoylphorbol-13-acetate receptors in normal human transitional epithelial cells. Verma AK, et al. **Carcinogenesis** 1985 Mar;6(3):427-32

Effect of the phorbol ester TPA on PTH secretion. Evidence for a role for protein kinase C in the control of PTH release. Brown EM, et al. **FEBS Lett** 1984 Sep 17;175(1):72-5

Analysis of membrane and cytosolic phorbol ester receptors. Blumberg PM, et al. **IARC Sci Publ** 1984;(56):139-56

A phorbol ester-binding inhibitory factor from human placenta. Partial purification, characterization and biological effects. Hamel E, et al. **IARC Sci Publ** 1984; (56):157-64

Specific lipid components in membrane receptors of 12-O-tetradecanoylphorbol-13-acetate as revealed by direct photoaffinity labelling. Hergenhahn M, et al. **IARC Sci Publ** 1984;(56):165-75

PHARMACODYNAMICS

Effect of phorbol esters on the release of growth hormone and prolactin from rat pituitary cells cultured in monolayer. Ohmura E, et al. **Acta Endocrinol (Copenh)** 1984 Oct; 107(2):185-91

Induction of incoordinate synthesis of muscle proteins by the tumor promoter TPA and the carcinogen EMS. Holtzer H, et al. **Adv Exp Med Biol** 1985;182:179-92

Differentiation of chronic lymphocytic leukemia cells after in vitro treatment with Epstein-Barr virus or phorbol ester. I. Immunologic and morphologic studies. Deegan MJ, et al. **Am J Hematol** 1984;17(4):335-47

In vitro induction of cytologic and functional differentiation of the immature human monocytelike cell line U-937 with phorbol myristate acetate. Minta JO, et al. **Am J Pathol** 1985 Apr;119(1):111-26

Phorbol ester stimulation of active anion secretion in intestine. Chang EB, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):C356-61

Phorbol ester-induced changes of cytoplasmic pH in neutrophils: role of exocytosis in Na+-H+ exchange. Grinstein S, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C379-86

Action of a phorbol ester on B-cells: potentiation of stimulant-induced electrical activity. Pace CS, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C527-34

Phorbol esters inhibit gluconeogenesis in canine renal proximal tubular segments. Rogers S, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F256-62

Production of superoxide anion by bovine pulmonary macrophages challenged with soluble and particulate stimuli. Dyer RM, et al. **Am J Vet Res** 1985 Feb; 46(2):336-41

The interaction between different phorbol derivatives and cortisol. Janssens JP, et al. **Anticancer Res** 1984 Jul-Oct; 4(4-5):263-7

Regulation of arachidonic acid metabolism in Madin-Darby canine kidney cells: stimulation of synthesis of the cyclooxygenase system by 12-O-tetradecanoyl-phorbol-13-acetate. Beaudry GA, et al. **Arch Biochem Biophys** 1985 May 15;239(1):242-7

Coregulation of collagenase and collagenase inhibitor production by phorbol myristate acetate in human skin fibroblasts. Clark SD, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):36-44

Enhancement in the activities of mouse epidermal glucose-6-phosphate dehydrogenase, hexokinase, phosphofructokinase, and pyruvate kinase by 12-O-tetradecanoyl-phorbol-13-acetate. Tejwani GA, et al. **Arch Biochem Biophys** 1985 Jun;239(2):462-6

Modulation of type-IV procollagen and laminin production in A431 human squamous epidermoid carcinoma cells by 12-O-tetradecanoylphorbol-13-acetate (TPA) and epidermal growth factor (EGF). Panneerselvam M, et al. **Arch Dermatol Res** 1985;277(5):377-83

Stimulation and inhibition of secretion by phorbol myristate acetate in different cell types. Blackwell GJ, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):950-5

A tumor promoter enhances the phosphorylation of polyphosphoinositides while decreasing phosphatidylinositol labelling in lymphocytes. Boon AM, et al. **Biochem Biophys Res Commun** 1985 Jun 14; 129(2):431-8

Structural analogies between protein kinase C activators. Brasseur R, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):969-76

Phorbol ester-induced threonine phosphorylation of the human epidermal growth factor receptor occurs within the EGF binding domain. Chinkers M, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):618-25

Phorbol ester-induced contraction of arterial smooth muscle and inhibition of alpha-adrenergic response. Danthuluri NR, et al. **Biochem Biophys Res Commun** 1984 Dec 28; 125(3):1103-9

Synergistic stimulation of prolactin release by phorbol ester, A23187 and forskolin. Delbeke D, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):735-41

Phorbol ester effect in platelets, lymphocytes, and leukemic cells (HL-60) is associated with enhanced phosphorylation of class I HLA antigens. Coprecipitation of myosin light chain. Feuerstein N, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):206-13

Calcium and phospholipid-dependent protein kinase activity in mouse epidermis cytosol. Stimulation by complete and incomplete tumor promoters and inhibition by various compounds. Gschwendt M, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):63-8

Phorbol myristate acetate stimulates formation of phosphatidyl inositol 4-phosphate and phosphatidyl inositol 4,5-bisphosphate in human platelets. Halenda SP, et al. **Biochem Biophys Res Commun** 1984 Oct 30; 124(2):507-13

Hydrocortisone inhibits phorbol ester stimulated release of histamine and arachidonic acid from rat mast cells. Heiman AS, et al. **Biochem Biophys Res Commun** 1985 Jul 31; 130(2):640-5

Teleocidin and phorbol ester tumor promoters exert similar mitogenic effects on human lymphocytes. Isakov N, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):724-31

Phorbolesters enhance basal D-glucose transport but inhibit insulin stimulation of D-glucose transport and insulin binding in isolated rat adipocytes. Kirsch D, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):824-32

Ca2+-dependent stimulation of 3-O-methylglucose transport in mouse fibroblast Swiss 3T3 cells induced by phorbol-12,13-dibutyrate. Kitagawa K, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):127-33

Tumor promoter-stimulated translocation of glucose transport system in mouse embryo fibroblast Swiss 3T3 cell. Kitagawa K, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1303-9

Stimulation of hexose uptake in rat thymic lymphocytes by phorbol ester. A role for Ca2+ and Na+/H+ exchange? Klip A, et al. **Biochem Biophys Res Commun** 1984 Oct 15; 124(1):14-22

Phorbol esters as probes of the regulation of thyrotropin secretion. Koenig RJ, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):353-9

Oxidised glutathione reductase activity in mouse epidermis: TPA induced change and its modulation by vitamin A. Kumar S, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):967-73

Phorbol esters inhibit agonist-induced [3H] inositol-1-phosphate accumulation in rat hippocampal slices. Labarca R, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):703-9

Forskolin and 12-0-tetradecanoylphorbol-13-acetate mimic thyrotropin-stimulated protein iodination in mouse thyroid. Levasseur S, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):858-63

The stimulation of prostaglandin production by transforming growth factor-alpha and 12-O-tetradecanoyl-phorbol-13-acetate or 1-oleoyl-2-acetyl-glycerol is synergistic. Levine L, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):110-7

Synergistic stimulation of thromboxane biosynthesis by calcium ionophore and phorbol ester or thrombin in human platelets. Mobley A, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):717-23

The phorbol ester TPA enhances A23187--but not carbachol- and high K+-induced catecholamine secretion from cultured bovine adrenal chromaffin cells. Morita K, et al. **Biochem Biophys Res Commun** 1985 Jun 14; 129(2):511-6

Unique inhibitory profile of platelet activating factor induced calcium mobilization, polyphosphoinositide turnover and granule enzyme secretion in rabbit neutrophils towards pertussis toxin and phorbol ester. Naccache PH, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):677-84

Association of leukotriene B4 with the cytoskeleton of rabbit neutrophils. Effect of chemotactic factor and phorbol esters. Naccache PH, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):963-9

Polymyxin B causes coordinate inhibition of phorbol ester-induced C-kinase activity and proliferation of B lymphocytes. Nel AE, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1364-72

Protein kinase C phosphorylates the synthetic peptide Arg-Arg-Lys-Ala-Ser-Gly-Pro-Pro-Val in the presence of phospholipid plus either Ca2+ or a phorbol ester tumor promoter. O'Brian CA, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):296-302

Modulation of cyclic AMP accumulation in GH3 cells by a phorbol ester and thyroliberin. Quilliam LA, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):898-903

Inhibition of insulin receptor binding by A23187: synergy with phorbol esters. Rouis M, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):9-15

Combined effect of phorbol ester and, A23187 or dibutyryl cyclic AMP on pepsinogen secretion from isolated gastric glands. Sakamoto C, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):314-9

The phorbol ester, 12-O-tetradecanoylphorbol-13-acetate enhances the long-term maintenance of pancreatic islet B cell differentiated function in tissue culture. Schwizer RW. **Biochem Biophys Res Commun** 1985 May 16;128(3):1315-21

Tumor promoter phorbol-12-myristate-13-acetate induces poly ADP-ribosylation in human monocytes. Singh N, et al. **Biochem Biophys Res Commun** 1985 Feb 15; 126(3):1208-14

Ca2+-dependent and phorbol ester activating phosphorylation of a 36K-dalton protein of rat basophilic leukemia cell membranes and immunoprecipitation of the phosphorylated protein with IgE-anti IgE system. Teshima R, et al. **Biochem Biophys Res Commun** 1984 Dec 28; 125(3):867-74

Acute effects of tumor-promoting phorbol esters on hepatic intermediary metabolism. Vaartjes WJ, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):721-6

Ca2+- or phorbol ester- dependent effect of ATP on a subpopulation of cAMP cell-surface receptors in membranes from D. discoideum. A role for protein kinase C. Van Haastert PJ, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):185-92

Tumor promoter phorbol 12-myristate, 13-acetate inhibits phosphoinositide hydrolysis and cytosolic Ca2+ rise induced by the activation of muscarinic receptors in PC12 cells. Vicentini LM, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):310-7

Phorbol 12-myristate, 13-acetate potentiates the action of the calcium ionophore in stimulating arachidonic acid release and production of phosphatidic acid in rabbit neutrophils. Volpi M, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):594-600

Modulation of the activity of the platelet-derived growth factor receptor by phorbol myristate acetate. Whiteley B, et al. **Biochem Biophys Res Commun** 1985 Jun 28; 129(3):854-61

Tumor promoter inhibition of cellular binding of somatostatin. Zeggari M, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):850-7

Effects of phorbol esters on alpha 1-adrenergic-mediated and glucagon-mediated actions in isolated rat hepatocytes. Garcia-Sáinz JA, et al. **Biochem J** 1985 May 15; 228(1):277-80

Phorbol ester stimulation of insulin release and secretory-granule protein phosphorylation in a transplantable rat insulinoma. Hutton JC, et al. **Biochem J** 1984 Dec 1;224(2):483-90

Intracellular Ca2+ and phorbol esters synergistically inhibit internalization of epidermal growth factor in pancreatic acini. Logsdon CD, et al. **Biochem J** 1984 Nov 1; 223(3):893-900

Tumour-promoting phorbol esters increase basal and inhibit insulin-stimulated lipogenesis in rat adipocytes without decreasing insulin binding. van de Werve G, et al. **Biochem J** 1985 Jan 15;225(2):523-7

Antiproliferative properties of phorbol ester tumour promoters. Gescher A. **Biochem Pharmacol** 1985 Aug 1; 34(15):2587-92

Transcriptional modulation of human T-cell growth factor gene by phorbol ester and interleukin 1. Arya SK, et al. **Biochemistry** 1984 Dec 18;23(26):6685-90

The phorbol ester receptor: a phospholipid-regulated protein kinase. Ashendel CL. **Biochim Biophys Acta** 1985 Sep 9; 822(2):219-42 (228 ref.)

In vivo induction of rat hepatic ornithine decarboxylase and plasminogen activator by 12-O-tetradecanoylphorbol 13-acetate. Buckley AR, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):127-30

Effect of calmidazolium and phorbol ester on catecholamine secretion from adrenal chromaffin cells. Burgoyne RD, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):37-43

Inhibition by verapamil of neutrophil responses to formylmethionylleucylphenylalanine and phorbol myristate acetate. Mechanisms involving Ca2+ changes, cyclic AMP and protein kinase C. Della Bianca V, et al. **Biochim Biophys Acta** 1985 May 30;845(2):223-36

Phorbol ester tumor promoters specifically stimulate choline phospholipid metabolism in human leukemic cells. Lockney MW, et al. **Biochim Biophys Acta** 1984 Dec 6;796(3):384-92

Co-mitogenic tumor promoters suppress the phosphatidylinositol response in lymphocytes during early mitogenesis. Mellors A, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):181-8

Stimulation of prostaglandin E2 production by 12-O-tetradecanoylphorbol 13-acetate (TPA)-type and non-TPA-type tumor promoters in macrophages and its inhibition by cycloheximide. Ohuchi K, et al. **Biochim Biophys Acta** 1985 Mar 27;834(1):42-7

Phorbol esters stimulate phosphatidylcholine biosynthesis by translocation of CTP:phosphocholine cytidylyltransferase from cytosol to microsomes. Pelech SL, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):447-51

Comparison of the inhibitory effects of diverse amino acids and amino acid analogs on 12-O-tetradecanoylphorbol-13-acetate-induced ornithine decarboxylase activity in isolated epidermal cells. Perchellet JP, et al. **Biochim Biophys Acta** 1985 Feb 21; 844(2):182-92

Calmodulin antagonists inhibit and phorbol esters enhance transferrin endocytosis and iron uptake by immature erythroid cells. Hebbert D, et al. **Blood** 1985 Mar; 65(3):758-63

In-vitro induction of some features of hairy cell leukemia in chronic lymphocytic leukemia and immunocytoma cells. Ziegler-Heitbrock HW, et al. **Blut** 1985 Jan;50(1):29-31

Stimulation of spontaneous transmitter release by the phorbol ester, 12-O-tetradecanoylphorbol-13-acetate, an activator of protein kinase C. Publicover SJ. **Brain Res** 1985 Apr 29;333(1):185-7

12-O-tetradecanoyl-phorbol-13-acetate-induced differentiation of human neuroblastoma cells is not accompanied by an increase in the intracellular concentration of cyclic AMP. Ruusala AI, et al. **Brain Res** 1985 Feb;350(1-2):27-35

Evaluation of possible mechanisms of phorbol ester stimulation of phosphatidylcholine synthesis in HeLa cells. Cook HW, et al. **Can J Biochem Cell Biol** 1985 Feb; 63(2):145-51

Effect of 12-O-tetradecanoylphorbol-13-acetate on cell-surface glycosaminoglycans in human diploid fibroblasts. Wolff BR, et al. **Can J Biochem Cell Biol** 1984 Dec;62(12):1354-7

Inhibition of 12-O-tetradecanoylphorbol-13-acetate-stimulated 3-O-methyl-glucose transport in mouse Swiss 3T3 fibroblasts by glycyrrhetic acid. Kitagawa K, et al. **Cancer Lett** 1984 Sep;24(2):157-63

12-O-tetradecanoylphorbol-13-acetate-induced rapid loss of persistent 7,12-dimethylbenz[a]anthracene-DNA adducts in mouse epidermis and dermis. Randerath K, et al. **Cancer Lett** 1985 May;27(1):35-43

Specific protein phosphorylation in human promyelocytic HL-60 leukemia cells susceptible or resistant to induction of cell differentiation by phorbol-12-myristate-13-acetate. Anderson NL, et al. **Cancer Res** 1985 Oct;45(10):4955-62

Phorbol ester binding to chemotactically responding and nonresponding Walker 256 carcinosarcoma cells. Clarke PR, et al. **Cancer Res** 1984 Nov;44(11):4967-71

Rapid inhibition of intercellular communication between BALB/c 3T3 cells by diacylglycerol, a possible endogenous functional analogue of phorbol esters. Enomoto T, et al. **Cancer Res** 1985 Aug;45(8):3706-10

Oxidative properties of 12-O-tetradecanoylphorbol-13-acetate-stimulated human blood monomorphonuclear leukocytes and their toxicity against a human lung carcinoma cell line. Gescher A, et al. **Cancer Res** 1985 Apr;45(4):1638-43

Characterization of the growth inhibition induced by tumor-promoting phorbol esters and of their receptor binding in A549 human lung carcinoma cells. Gescher A, et al. **Cancer Res** 1985 Sep;45(9):4315-21

Increased glucocorticoid receptor concentration in macrophage differentiation of myeloid leukemia cells with 12-O-tetradecanoylphorbol-13-acetate. Hirai H, et al. **Cancer Res** 1985 Jun;45(6):2456-61

Phorbol ester-mediated protein phosphorylations in S49 mouse lymphoma cells. Kiss Z, et al. **Cancer Res** 1985 Jun; 45(6):2732-40

Induction of a novel nuclear protein (p54) by phorbol esters in mouse erythroleukemia (Friend) cells. Mitsuse S, et al. **Cancer Res** 1985 Aug;45(8):3836-42

Specific stimulation by phorbol esters of the phosphorylation of histones H2B and H4 in murine lymphocytes. Patskan GJ, et al. **Cancer Res** 1985 Feb;45(2):667-72

Highly lipophilic phorbol esters as inhibitors of specific [3H]phorbol 12,13-dibutyrate binding. Sharkey NA, et al. **Cancer Res** 1985 Jan;45(1):19-24

Enhanced induction of the anchorage-independent phenotype in initiated rat tracheal epithelial cell cultures by the tumor promoter 12-O-tetradecanoylphorbol-13-acetate. Steele VE, et al. **Cancer Res** 1984 Nov;44(11):5068-72

Effect of phorbol esters on iron uptake in human hematopoietic cell lines. Testa U, et al. **Cancer Res** 1984 Nov;44(11):4981-6

Redistribution of phospholipid/calcium-dependent protein kinase and altered phosphorylation of its soluble and particulate substrate proteins in phorbol ester-treated rat pancreatic acini. Wooten MW, et al. **Cancer Res** 1985 Aug;45(8):3912-7

Reactive oxygen dependent activation of polycyclic hydrocarbons by phorbol ester-stimulated human polymorphonuclear leukocytes. Trush MA, et al. **Carcinog Compr Surv** 1985;8:293-303

The stimulation by the tumour promoters 12-O-tetradecanoylphorbol-13-acetate and phenobarbital of the growth of primary neonatal rat hepatocytes. Armato U, et al. **Carcinogenesis** 1985 Jun;6(6):811-22

Effects of 12-O-tetradecanoylphorbol-13-acetate and retinoids on intercellular junctional communication measured with a citrulline incorporation assay. Davidson JS, et al. **Carcinogenesis** 1985 Apr;6(4):645-50

Studies on the mechanism of phorbol ester-induced inhibition of intercellular junctional communication. Davidson JS, et al. **Carcinogenesis** 1985 Sep;6(9):1353-8

Inhibition of metabolic cooperation by phorbol esters in a cell culture system based on adenosine kinase deficient mutants of V79 cells. Gupta RS, et al. **Carcinogenesis** 1985 Sep;6(9):1359-66

The effect of some experimental parameters on the inhibition of metabolic cooperation by phorbol myristate acetate. Hartman TG, et al. **Carcinogenesis** 1985 Sep;6(9):1315-9

Mechanistic aspects of the delay in the G2 phase of the cell cycle caused by tumor promoter 12-O-tetradecanoylphorbol-13-acetate in HeLa cells. Kinzel V, et al. **Carcinogenesis** 1985 Sep;6(9):1375-8

Inhibition of intercellular communication and enhancement of morphological transformation of Syrian hamster embryo cells by TPA. Use of TPA-sensitive and TPA-resistant cell lines. Rivedal E, et al. **Carcinogenesis** 1985 Jun;6(6):899-902

Responses of human cervical keratinocytes in vitro to tumour promoters and diethylstilboestrol. Stanley MA, et al. **Carcinogenesis** 1985 Jul;6(7):1011-5

Studies on the tumour promoter-induced release of fibronectin from human lung fibroblasts, and its counteraction by retinoic acid. Zerlauth G, et al. **Carcinogenesis** 1985 Apr;6(4):531-4

Tumor-promoting phorbol esters induce angiogenesis in vitro. Montesano R, et al. **Cell** 1985 Sep;42(2):469-77

Modulation of human blood lymphocyte cytotoxicity by the phorbol ester tumor promoter P(Bu)2: increase of target binding, impairment of effector recycling, and activation of lytic potential which is independent of IL-2. Ramos OF, et al. **Cell Immunol** 1985 Mar;91(1):178-92

Tumor-promoting, phorbol ester-induced phosphorylation of cell-surface transferrin receptors in human erythroleukemia cells. Kohno H, et al. **Cell Struct Funct** 1985 Jun;10(2):95-104

Peroxidase-mediated irreversible binding of arylamine carcinogens to DNA in intact polymorphonuclear leukocytes activated by a tumor promoter. Tsuruta Y, et al. **Chem Biol Interact** 1985 Feb-Apr;53(1-2):25-35

Studies on the molecular composition and degradation of type IV procollagen. Tryggvason K, et al. **Ciba Found Symp** 1984;108:117-29

Phorbol ester- and diacylglycerol-mediated desensitization of cardiac beta-adrenergic receptors. Limas CJ, et al. **Circ Res** 1985 Sep;57(3):443-9

Phorbol ester-induced differentiation of chronic B lymphocytic leukaemia cells--regulatory impact of autologous and allogeneic accessory cells. Danersund A, et al. **Clin Exp Immunol** 1985 Mar;59(3):644-52

LPF-induced T cell colony formation: effect of PMA and interleukin-2, and surface marker analysis. Kashiwa H, et al. **Clin Exp Immunol** 1985 Jun;60(3):509-17

Modulation of the sodium periodate (NaIO4) response in systemic lupus erythematosus (SLE): effect of interleukin-1 (IL-1), interleukin-2 (IL-2), phorbol myristate acetate (PMA), and indomethacin. Phillips R, et al. **Clin Immunol Immunopathol** 1985 Jan;34(1):77-83

Stimulus-dependent inhibition of superoxide generation by prostaglandins. Sedgwick JB, et al. **Clin Immunol Immunopathol** 1985 Feb;34(2):205-15

Effects of soluble stimuli on human monocyte secretion. Speziale SC, et al. **Clin Immunol Immunopathol** 1985 Jul;36(1):60-9

Inhibition of phorbol-ester-induced adhesion of differentiating human myeloid leukemic cells by pentamidine-isethionate. Klemes Y, et al. **Differentiation** 1984;27(2):141-5

Tumor promoter PMA stimulates the synthesis and secretion of mouse pro-urokinase in MSV-transformed 3T3 cells: this is mediated by an increase in urokinase mRNA content. Belin D, et al. **EMBO J** 1984 Aug;3(8):1901-6

Serum, like phorbol esters, rapidly activates protein kinase C in intact quiescent fibroblasts. Rodriguez-Pena A, et al. **EMBO J** 1985 Jan;4(1):71-6

Differential effects of thyrotropin-releasing hormone, vasoactive intestinal peptide, phorbol ester, and depolarization in GH4C1 rat pituitary cells. Aizawa T, et al. **Endocrinology** 1985 Mar;116(3):909-19

Phorbol esters stimulate growth and inhibit differentiation in cultured thyroid cells. Bachrach LK, et al. **Endocrinology** 1985 Apr;116(4):1603-9

Phorbol ester provokes insulin-like effects on glucose transport, amino acid uptake, and pyruvate dehydrogenase activity in BC3H-1 cultured myocytes. Farese RV, et al. **Endocrinology** 1985 Jun;116(6):2650-5

Enhancement of human growth hormone-stimulated mitogenesis of Nb2 node lymphoma cells by 12-O-tetradecanoyl-phorbol-13-acetate. Gertler A, et al. **Endocrinology** 1985 Apr;116(4):1636-44

Effects of epidermal growth factor, phorbol myristate acetate, and arachidonic acid on choriogonadotropin secretion by cultured human choriocarcinoma cells. Ilekis J, et al. **Endocrinology** 1985 Jun;116(6):2400-9

Phorbol ester regulation of rat granulosa cell prostaglandin and progesterone accumulation. Kawai Y, et al. **Endocrinology** 1985 Jun;116(6):2320-6

1,2-Didecanoylglycerol and phorbol 12,13-dibutyrate enhance anterior pituitary hormone secretion in vitro. Negro-Vilar A, et al. **Endocrinology** 1985 Oct;117(4):1559-64

12-O-tetradecanoyl phorbol-13-acetate stimulates rat growth hormone (GH) release through different pathways from that of human pancreatic GH-releasing factor. Ohmura E, et al. **Endocrinology** 1985 Feb;116(2):728-33

Specific regulation of vasoactive intestinal polypeptide biosynthesis by phorbol ester in bovine chromaffin cells. Pruss RM, et al. **Endocrinology** 1985 Sep;117(3):1020-6

Modulation of adenylate cyclase of human platelets by phorbol ester. Impairment of the hormone-sensitive inhibitory pathway. Jakobs KH, et al. **Eur J Biochem** 1985 Sep 2;151(2):425-30

Rapid effects of phorbol esters on isolated rat adipocytes. Relationship to the action of protein kinase C. Skoglund G, et al. **Eur J Biochem** 1985 May 2;148(3):407-12

Evidence that treatment of platelets with phorbol ester causes proteolytic activation of Ca2+-activated, phospholipid-dependent protein kinase. Tapley PM, et al. **Eur J Biochem** 1985 Sep 2;151(2):419-23

Ultrastructural studies on human lymphoblastoid cells treated with n-butyrate and 12-O-tetradecanoylphorbol-13-acetate. Asai S, et al. **Eur J Cancer Clin Oncol** 1984 Dec;20(12):1533-42

Phorbol ester-induced expression and function of the interleukin 2 receptor in human B lymphocytes. Ando I, et al. **Eur J Immunol** 1985 Apr;15(4):341-4

Tumor promoter phorbol esters induce unresponsiveness to antigen and expression of interleukin 2 receptor on T cells. Ando I, et al. **Eur J Immunol** 1985 Feb;15(2):196-9

Phorbol 12,13-dibutyrate enhances lateral redistribution of membrane glycoproteins in human blood lymphocytes. Patarroyo M, et al. **Eur J Immunol** 1984 Sep;14(9):781-7

Differential effects of adrenergic agonists and phorbol esters on the alpha 1-adrenoceptors of hepatocytes and aorta. García-Sáinz JA, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):393-7

Phorbol esters affect pituitary growth hormone (GH) and prolactin release: the interaction with GH releasing factor, somatostatin and bromocriptine. Summers ST, et al. **Eur J Pharmacol** 1985 May 20;111(3):371-6

Response of cultured rat liver epithelial cell lines to tumour-promoting phorbol esters. Ljubimov AV, et al. **Exp Cell Res** 1985 Feb;156(2):311-26

Phosphorylation and dephosphorylation of human promyelocytic leukemia cell (HL-60) proteins by tumor promoter. Mita S, et al. **Exp Cell Res** 1984 Oct;154(2):492-9

Inhibition of denuded mouse oocyte meiotic maturation by tumor-promoting phorbol esters and its reversal by retinoids. Urner F, et al. **Exp Cell Res** 1984 Oct;154(2):600-5

Effects of a teratogen on [3H]uridine nucleotide transfer between human embryonal cells and on gap junctions. Welsch F, et al. **Exp Cell Res** 1985 Jul;159(1):91-102

Enhancement of Ca2+-induced catecholamine release by the phorbol ester TPA in digitonin-permeabilized cultured bovine adrenal chromaffin cells. Brocklehurst KW, et al. **FEBS Lett** 1985 Apr 8;183(1):107-10

Synergism between phorbol ester and A23187 in superoxide production by neutrophils. Dale MM, et al. **FEBS Lett** 1984 Sep 17;175(1):170-2

Persistent activity modification of phosphatidate phosphohydrolase and fatty acyl-CoA synthetase on incubation of adipocytes with the tumour promoter 12-O-tetradecanoylphorbol 13-acetate. Hall M, et al. **FEBS Lett** 1985 Jan 7;179(2):351-4

The phorbol ester TPA prevents the expression of both glucagon desensitisation and the glucagon-mediated block of insulin stimulation of the peripheral plasma membrane cyclic AMP phosphodiesterase in rat hepatocytes. Heyworth CM, et al. **FEBS Lett** 1985 Aug 5;187(2):196-200

An activator of protein kinase C (phorbol-12-myristate-13-acetate) augments 2-chloroadenosine-elicited accumulation of cyclic AMP in guinea pig cerebral cortical particulate preparations. Hollingsworth EB, et al. **FEBS Lett** 1985 May 20;184(2):339-42

Phorbol ester stimulates catecholamine synthesis in isolated bovine adrenal medullary cells. Houchi H, et al. **FEBS Lett** 1985 Sep 2;188(2):205-8

Tumour-promoting phorbol esters inhibit agonist-induced phosphatidate formation and Ca2+ flux in human platelets. MacIntyre DE, et al. **FEBS Lett** 1985 Jan 28;180(2):160-4

Phorbol esters stimulate spermidine/spermine N1-acetyltransferase activity in mitogen-stimulated bovine lymphocytes. Matsui-Yuasa I, et al. **FEBS Lett** 1984 Dec 10;178(2):297-300

Inhibition of hCG-stimulated adenylate cyclase in purified mouse Leydig cells by the phorbol ester PMA. Mukhopadhyay AK, et al. **FEBS Lett** 1985 Jul 22;187(1):56-60

Effect of phorbol ester and phospholipase C on LH-stimulated steroidogenesis in purified rat Leydig cells. Papadopoulos V, et al. **FEBS Lett** 1985 Sep 2;188(2):312-6

Antiviral activity of phorbol myristate acetate and possible relationships with interferon action. Premecz G, et al. **FEBS Lett** 1985 Jan 28;180(2):300-2

TMB-8 inhibits secretion evoked by phorbol ester at basal cytoplasmic free calcium in quin2-loaded platelets much more effectively than it inhibits thrombin-induced calcium mobilisation. Simpson AW, et al. **FEBS Lett** 1984 Oct 15;176(1):139-43

Phorbol ester (TPA) potentiates noradrenaline and acetylcholine-evoked amylase secretion in the rat pancreas. Singh J. **FEBS Lett** 1985 Jan 28;180(2):191-5

Phorbol ester inhibits myoblast fusion and activates beta-adrenergic receptor coupled adenylate cyclase. Sulakhe PV, et al. **FEBS Lett** 1985 Jul 8;186(2):281-5

Insulin release independent of a rise in cytosolic free Ca2+ by forskolin and phorbol ester. Tamagawa T, et al. **FEBS Lett** 1985 Apr 22;183(2):430-2

A phorbol ester and A23187 act synergistically to release acetylcholine from the guinea pig ileum. Tanaka C, et al. **FEBS Lett** 1984 Sep 17;175(1):165-9

Phorbol ester and calcium act synergistically to enhance neurotransmitter release by brain neurons in culture. Zurgil N, et al. **FEBS Lett** 1985 Jun 17;185(2):257-61

A comparison of the effects of tumor promoters 12-O-tetradecanoylphorbol-13-acetate and teleocidin on gene expression in human skin cell fibroblasts. Bazill G, et al. **Gann** 1984 Aug;75(8):672-80

Biological activity of a fluorescent 12-O-tetradecanoyl-phorbol-13-acetate derivative. Honikman-Leban E, et al. **Gann** 1984 Sep;75(9):729-31

Differential effect of TPA and n-butyrate on induction of Ii and EBV antigens in the P3HR-1 lymphoblastoid cell line. Sairenji T, et al. **Hematol Oncol** 1984 Oct-Dec;2(4):381-9

Interaction of tumour-promoting agents with immunofunctional cells in vitro and in vivo. Baxter CS, et al. **IARC Sci Publ** 1984;(56):305-17

Effect of 12-O-tetradecanoylphorbol-13-acetate on selection of drug-resistant phenotypes in rodent cells. Bojan F, et al. **IARC Sci Publ** 1984;(56):265-73

Stimulation of macrophage activity by 12-O-tetradecanoylphorbol-13-acetate. Gemsa D, et al. **IARC Sci Publ** 1984;(56):319-36

Enhancement of primate retrovirus synthesis by tumour promoters. Wunderlich V, et al. **IARC Sci Publ** 1984;(56):299-304

Intercellular communication, cell differentiation and tumour promotion. Yamasaki H, et al. **IARC Sci Publ** 1984;(56):217-38

Interleukin 2-dependent T cell line acquires responsiveness to phorbol myristate acetate and lipopolysaccharide in the course of long-term culture. Mukaida N, et al. **Immunol Commun** 1984;13(5):475-86

Comparison of phorbol myristate acetate and phytohaemagglutinin as stimulators of in vitro T lymphocyte colony formation of human peripheral blood lymphocytes. I. Surface markers of colony cells. Suzawa T, et al. **Immunology** 1984 Nov;53(3):499-505

The modulation of growth of normal rat liver epithelial cells in calcium-poor medium by epidermal growth factor, phenobarbital, phorbol ester, and retinoic acid. Tsao MS, et al. **In Vitro Cell Dev Biol** 1985 May;21(5):249-53

Phorbol myristate acetate-induced modulation of antibody-dependent cellular cytotoxicity by human polymorphonuclear leukocytes. Ichinose Y, et al. **Infect Immun** 1984 Dec;46(3):682-5

Structural correlations of phorbol-ester-induced stimulation of PGE2 production by human rheumatoid synovial cells. Edwards MC, et al. **Inflammation** 1985 Mar;9(1):33-8

Differentiation of human myeloid leukemic cells by phorbol esters: correlation with tumor promotion. Fibach E, et al. **Int J Cancer** 1984 Oct 15;34(4):451-7

Induction of EBV DNA demethylation and of EBV-specific transcription in Daudi cells treated with TPA and n-butyrate. Collandre H, et al. **Intervirology** 1984;22(4):201-10

Alkaline deoxyribonuclease induced with diterpene ester TPA and n-butyrate in Epstein-Barr virus genome-carrying Raji cells. Kawanishi M, et al. **Intervirology** 1985;23(1):55-60

Dual actions of phorbol esters on cytosolic free Ca2+ concentrations and reconstitution with ionomycin of acute thyrotropin-releasing hormone responses. Albert PR, et al. **J Biol Chem** 1985 Jul 25;260(15):8746-59

Enhancement of adenylate cyclase activity in S49 lymphoma cells by phorbol esters. Putative effect of C kinase on alpha s-GTP-catalytic subunit interaction. Bell JD, et al. **J Biol Chem** 1985 Mar 10;260(5):2625-8

Amiloride inhibits phorbol ester-stimulated Na+/H+ exchange and protein kinase C. An amiloride analog selectively inhibits Na+/H+ exchange. Besterman JM, et al. **J Biol Chem** 1985 Jan 25;260(2):1155-9

Differential effects of phorbol ester on phenylephrine and vasopressin-induced Ca2+ mobilization in isolated hepatocytes. Cooper RH, et al. **J Biol Chem** 1985 Mar 25;

260(6):3281-8

Structural requirements for diacylglycerols to mimic tumor-promoting phobol diester action on the epidermal growth factor receptor. Davis RJ, et al. **J Biol Chem** 1985 May 10;260(9):5315-22

sn-1,2-Dioctanoylglycerol. A cell-permeable diacylglycerol that mimics phorbol diester action on the epidermal growth factor receptor and mitogenesis. Davis RJ, et al. **J Biol Chem** 1985 Feb 10;260(3):1562-6

Phorbol esters increase calcitonin gene transcription and decrease c-myc mRNA levels in cultured human medullary thyroid carcinoma. de Bustros A, et al. **J Biol Chem** 1985 Jan 10;260(1):98-104

Insulin and phorbol ester stimulate phosphorylation of a 40-kDa protein in adipocyte plasma membranes. Graves CB, et al. **J Biol Chem** 1985 Sep 15;260(20):11286-92

Differential phosphorylation of multiple sites in protein 4.1 and protein 4.9 by phorbol ester-activated and cyclic AMP-dependent protein kinases. Horne WC, et al. **J Biol Chem** 1985 Aug 5;260(16):9073-6

Phorbol esters and beta-adrenergic agonists mediate desensitization of adenylate cyclase in rat glioma C6 cells by distinct mechanisms. Kassis S, et al. **J Biol Chem** 1985 Jul 25;260(15):8911-7

Dissociation of protein kinase C activation from phorbol ester-induced maturation of HL-60 leukemia cells. Kreutter D, et al. **J Biol Chem** 1985 May 25; 260(10):5979-84

Inhibition of hepatic alpha 1-adrenergic effects and binding by phorbol myristate acetate. Lynch CJ, et al. **J Biol Chem** 1985 Mar 10;260(5):2844-51

Mechanism of phorbol diester-induced regulation of surface transferrin receptor involves the action of activated protein kinase C and an intact cytoskeleton. May WS, et al. **J Biol Chem** 1985 Aug 5;260(16):9419-26

Biosynthesis of tissue inhibitor of metalloproteinases by human fibroblasts in culture. Stimulation by 12-O-tetradecanoylphorbol 13-acetate and interleukin 1 in parallel with collagenase. Murphy G, et al. **J Biol Chem** 1985 Mar 10;260(5):3079-83

Phorbol esters inhibit the fMet-Leu-Phe- and leukotriene B4-stimulated calcium mobilization and enzyme secretion in rabbit neutrophils. Naccache PH, et al. **J Biol Chem** 1985 Feb 25;260(4):2125-31

Phorbol ester inhibits phosphoinositide hydrolysis and calcium mobilization in cultured astrocytoma cells. Orellana SA, et al. **J Biol Chem** 1985 May 10;260(9):5236-9

Phorbol ester causes desensitization of gonadotropin-responsive adenylate cyclase in a murine Leydig tumor cell line. Rebois RV, et al. **J Biol Chem** 1985 Jul 5;260(13):8026-31

Mass changes in myoinositol trisphosphate in human platelets stimulated by thrombin. Inhibitory effects of phorbol ester. Rittenhouse SE, et al. **J Biol Chem** 1985 Jul 25; 260(15):8657-60

Lipopolysaccharide and phorbol esters induce differentiation but have opposite effects on phosphatidylinositol turnover and Ca2+ mobilization in 70Z/3 pre-B lymphocytes. Rosoff PM, et al. **J Biol Chem** 1985 Aug 5;260(16):9209-15

Tumor-promoting phorbol esters and cell proliferation stimulate secretion of basement membrane (type IV) collagen-degrading metalloproteinase by human fibroblasts. Salo T, et al. **J Biol Chem** 1985 Jul 15; 260(14):8526-31

Induction of expression and phosphorylation of the human interleukin 2 receptor by a phorbol diester. Shackelford DA, et al. **J Biol Chem** 1984 Oct 10;259(19):11706-12

Regulation of glycophorin gene expression by a tumor-promoting phorbol ester in human leukemic K562 cells. Siebert PD, et al. **J Biol Chem** 1985 Jan 10; 260(1):640-5

Induction of cytoskeletal vimentin and actin gene expression by a tumor-promoting phorbol ester in the human leukemic cell line K562. Siebert PD, et al. **J Biol Chem** 1985 Mar 25;260(6):3868-74

Insulin- and phorbol ester-stimulated phosphorylation of ribosomal protein S6. Trevillyan JM, et al. **J Biol Chem** 1985 Mar 10;260(5):3041-4

The Na+/H+ antiport is activated by serum and phorbol esters in proliferating myoblasts but not in differentiated myotubes. Properties of the activation process. Vigne P, et al. **J Biol Chem** 1985 Jul 5;260(13):8008-13

Induction of fibrinolytic activity in HeLa cells by phorbol myristate acetate. Tissue-type plasminogen activator antigen and mRNA augmentation require intermediate protein biosynthesis. Waller EK, et al. **J Biol Chem** 1985 May 25;260(10):6354-60

Phorbol ester, calcium ionophore, or serum added to quiescent rat embryo fibroblast cells all result in the elevated phosphorylation of two 28,000-dalton mammalian stress proteins. Welch WJ. **J Biol Chem** 1985 Mar 10; 260(5):3058-62

Induction and characterization of lymphotoxins from tumor promoter-synergized, lectin-stimulated human lymphocytes in vitro. Klostergaard J, et al. **J Biol Response Mod** 1985 Apr;4(2):195-209

Modulation of type alpha transforming growth factor receptors by a phorbol ester tumor promoter. Davis R, et al. **J Cell Biochem** 1985;27(1):23-30

Agents that activate protein kinase C reduce acetylcholine sensitivity in cultured myotubes. Eusebi F, et al. **J Cell Biol** 1985 Apr;100(4):1339-42

Osmotic and phorbol ester-induced activation of Na+/H+ exchange: possible role of protein phosphorylation in lymphocyte volume regulation. Grinstein S, et al. **J Cell Biol** 1985 Jul;101(1):269-76

A transient rise in cytosolic calcium follows stimulation of quiescent cells with growth factors and is inhibitable with phorbol myristate acetate. McNeil PL, et al. **J Cell Biol** 1985 Aug;101(2):372-9

Effect of TPA on ion fluxes and DNA synthesis in vascular smooth muscle cells. Owen NE. **J Cell Biol** 1985 Aug; 101(2):454-9

Release of superoxide and change in morphology by neutrophils in response to phorbol esters: antagonism by inhibitors of calcium-binding proteins. Robinson JM, et al. **J Cell Biol** 1985 Sep;101(3):1052-8

Phorbol esters and horseradish peroxidase stimulate pinocytosis and redirect the flow of pinocytosed fluid in macrophages. Swanson JA, et al. **J Cell Biol** 1985 Mar; 100(3):851-9

Inhibition of cell communication between Balb/c 3T3 cells by tumor promoters and protection by cAMP. Enomoto T, et al. **J Cell Physiol** 1984 Nov;121(2):323-33

Transcriptional induction of urokinase in cultured human kidney carcinoma cells by tetradecanoyl-phorbol-acetate. Fertaiuolo R, et al. **J Cell Physiol** 1984 Nov;121(2):368-74

Intracellular calcium redistribution and its relationship to fMet-Leu-Phe, leukotriene B4, and phorbol ester induced rabbit neutrophil degranulation. Naccache PH, et al. **J Cell Physiol** 1985 Feb;122(2):273-80

Phorbol esters inhibit the binding of low-density lipoproteins (LDL) to U-937 monocytelike cells. Rouis M, et al. **J Cell Physiol** 1984 Dec;121(3):540-6

Biochemical effects of 12-O-tetradecanoylphorbol-13-acetate, retinoic acid, phenobarbital, and 5-azacytidine on a normal rat liver epithelial cell line. Tsao MS, et al. **J Cell Physiol** 1984 Oct;121(1):1-6

Phorbol diesters stimulate the development of an early murine progenitor cell. The burst-forming unit-megakaryocyte. Long MW, et al. **J Clin Invest** 1985 Aug;76(2):431-8

Role of phorbol diesters in in vitro murine megakaryocyte colony formation. Long MW, et al. **J Clin Invest** 1984 Nov; 74(5):1686-92

Tumor promoters stimulate hyperplasia of microtubule organizing center and inhibit DNA synthesis in cultured cells. Mascardo RN, et al. **J Clin Invest** 1984 Oct; 74(4):1186-92

Human T cell activation. I. Monocyte-independent activation and proliferation induced by anti-T3 monoclonal antibodies in the presence of tumor promoter 12-o-tetradecanoyl phorbol-13 acetate. Hara T, et al. **J Exp Med** 1985 Apr 1;161(4):641-56

Distinction between antigen receptor and IL 2 receptor triggering events in the activation of alloreactive T cell clones with calcium ionophore and phorbol ester. Albert F, et al. **J Immunol** 1985 Jun;134(6):3649-55

Phorbol ester-induced lymphocyte adherence: selective action on NK cells. Argov S, et al. **J Immunol** 1985 Apr; 134(4):2215-22

PMA induces the ligand-independent internalization of CR1 on human neutrophils. Changelian PS, et al. **J Immunol** 1985 Mar;134(3):1851-8

Regulation of interleukin 2 receptor expression: effects of phorbol diester, phospholipase C, and reexposure to lectin or antigen. Depper JM, et al. **J Immunol** 1984 Dec; 133(6):3054-61

gamma-Interferon enhances the secretion of arachidonic acid metabolites from murine peritoneal macrophages stimulated with phorbol diesters. Hamilton TA, et al. **J Immunol** 1985 Apr;134(4):2631-6

Characterization of the effects of phorbol esters on rat mast cell secretion. Heiman AS, et al. **J Immunol** 1985 Jan; 134(1):548-55

Studies of cytochrome b-245 translocation in the PMA stimulation of the human neutrophil NADPH-oxidase. Higson FK, et al. **J Immunol** 1985 Jul;135(1):519-24

In vitro maturation of B cells in chronic lymphocytic leukemia. I. Synergistic action of phorbol ester and interleukin 2 in the induction of Tac antigen expression and interleukin 2 responsiveness in leukemic B cells. Kabelitz D, et al. **J Immunol** 1985 Oct;135(4):2876-81

Opsonic properties of C-reactive protein. Stimulation by phorbol myristate acetate enables human neutrophils to phagocytize C-reactive protein-coated cells. Kilpatrick JM, et al. **J Immunol** 1985 May;134(5):3364-70

The induction of Leu-1 antigen expression in human malignant and normal B cells by phorbol myristic acetate (PMA). Miller RA, et al. **J Immunol** 1984 Dec; 133(6):3408-14

Reversal of phorbol ester-mediated reduction of cloned T lymphocyte cytolysis by interleukin 2. Orosz CG, et al. **J Immunol** 1985 Jan;134(1):324-9

Tumor-promoting phorbol esters induce rapid internalization of the C3b receptor via a cytoskeleton-dependent mechanism. O'Shea JJ, et al. **J Immunol** 1985 Aug; 135(2):1325-30

Phorbol esters specifically inhibit induction of immunoglobulin secretion in a murine B cell leukemia. Simpson LG, et al. **J Immunol** 1985 Apr;134(4):2759-66

Comparison of the expression of IL 2 receptors by human T and B cells: induction by the polyclonal mitogens, phorbol myristate acetate, and anti-mu antibody. Suzuki T, et al. **J Immunol** 1985 May;134(5):3111-9

Human B cell responsiveness to B cell growth factor after activation by phorbol ester and monoclonal anti-mu antibody. Suzuki T, et al. **J Immunol** 1985 Apr; 134(4):2470-6

Calcium ionophore plus phorbol ester can substitute for antigen in the induction of cytolytic T lymphocytes from specifically primed precursors. Truneh A, et al. **J Immunol** 1985 Oct;135(4):2262-7

Biochemical models of gamma-interferon action: altered expression of transferrin receptors on murine peritoneal macrophages after treatment in vitro with PMA or A23187. Weiel JE, et al. **J Immunol** 1985 Jan;134(1):293-8

Phorbol myristate acetate mediates redistribution of protein kinase C in human neutrophils: potential role in the activation of the respiratory burst enzyme. Wolfson M, et al. **J Immunol** 1985 Sep;135(3):2057-62

Enhancement by phorbol esters of cell growth inhibiting action of interferon. Morinaga N, et al. **J Interferon Res** 1984 Fall;4(4):543-51

Tumor promoter-stimulated protein phosphorylation in mouse epidermis is inhibited by bromophenacyl bromide. Edinger FM, et al. **J Invest Dermatol** 1985 May;84(5):413-6

Glucocorticoid-mediated increases in glycerol phosphate dehydrogenase activity is inhibited by the phorbol ester tumor promoters. Bressler JP, et al. **J Neurochem** 1985 Oct; 45(4):1268-72

Arachidonic acid release and catecholamine secretion from digitonin-treated chromaffin cells: effects of micromolar calcium, phorbol ester, and protein alkylating agents. Frye RA, et al. **J Neurochem** 1985 Jan;44(1):265-73

Phorbol esters mimic alpha-Adrenergic potentiation of serotonin N-acetyltransferase induction in the rat pineal. Zatz M. **J Neurochem** 1985 Aug;45(2):637-9

Effect of serum and 12-O-tetradecanoyl-phorbol-13-acetate on FSH-stimulated conversion of 4-androstene-3,17-dione to oestrogens in cell and organ cultures of suckling mouse ovaries. Terada N, et al. **J Steroid Biochem** 1985 Mar; 22(3):401-5

Mouse mammary tumor virus-related sequences in mouse lymphocytes are inducible by 12-O-tetradecanoyl phorbol-13-acetate. Kwon BS, et al. **J Virol** 1984 Dec; 52(3):1000-4

Ecto-5'-nucleotidase. II. Effect of 12-O-tetradecanoylphorbol 13-acetate on the expression of enzyme in normal and neoplastic B-cell lines. Hibi T, et al. **JNCI** 1984 Nov;73(5):1081-5

Response of Walker 256 carcinosarcoma cells to 12-O-tetradecanoylphorbol 13-acetate: possible regulation by endogenous cyclooxygenase metabolites. Varani J, et al. **JNCI** 1985 Jan;74(1):165-72

In vitro induction of human skin ornithine decarboxylase by the tumor promoter 12-O-tetradecanoylphorbol-13-acetate. Verma AK, et al. **JNCI** 1985 Jul;75(1):85-90

Suppressive activity of 12-O-tetradecanoyl phorbol-13-acetate on the induction of cytotoxic T cells in vitro. Yamashita U. **Jpn J Cancer Res** 1985 Jul; 76(7):618-25

Surface antigen expression by a human B-lymphoblastoid cell line treated with 'differentiation' inducers, dimethysulfoxide and tetradecanoylphorbol acetate. Ashman LK, et al. **Leuk Res** 1985;9(1):157-65

Cytochemical analysis of acid hydrolases expression during phorbol diester (TPA)-driven differentiation of B-chronic lymphocytic leukaemia cells in vitro. Dufer J, et al. **Leuk Res** 1984;8(5):813-20

Myelopoiesis following phorbol ester exposure in human long-term bone marrow cell culture. Gerson SL, et al. **Leuk Res** 1984;8(5):791-800

Rapid morphological and substratum adherence response by hairy cell and other human leukemic cells to phorbol ester tumor promoters. Lockney MW, et al. **Leuk Res** 1985; 9(2):297-304

Phorbol ester-induced loss of colchicine ultrasensitivity in chronic lymphocytic leukaemia lymphocytes. O'Connor TW. **Leuk Res** 1985;9(7):885-95

Acute undifferentiated leukemia: induction of partial differentiation by phorbol ester. Shkolnik T, et al. **Leuk Res** 1985;9(1):11-7

Synergism between lysophosphatidylserine and the phorbol ester tetradecanoylphorbolacetate in rat mast cells. Battistella A, et al. **Life Sci** 1985 Apr 22;36(16):1581-7

Stimulation and inhibition of Leydig cell steroidogenesis by the phorbol ester 12-O-tetradecanoylphorbol 13-acetate: similarity to the effects of gonadotropin-releasing hormone. Moger WH. **Life Sci** 1985 Sep 2;37(9):869-73

Transcriptional regulation of a tumor promoter and mitogen-inducible gene in human lymphocytes. Arya SK, et al. **Mol Cell Biol** 1984 Nov;4(11):2540-2

Effects of epidermal growth factor and 12-O-tetradecanoylphorbol-13-acetate on metabolism of the epidermal growth factor receptor in normal human fibroblasts. Decker SJ. **Mol Cell Biol** 1984 Sep;4(9):1718-24

Collagen expression in embryonic chicken chondrocytes treated with phorbol myristate acetate. Finer MH, et al. **Mol Cell Biol** 1985 Jun;5(6):1415-24

Altered beta-actin gene expression in phorbol myristate acetate-treated chondrocytes and fibroblasts. Gerstenfeld LC, et al. **Mol Cell Biol** 1985 Jun;5(6):1425-33

A 12-O-tetradecanoylphorbol-13-acetate

(TPA)-nonproliferative variant of 3T3 cells is resistant to TPA-enhanced gene amplification. Herschman HR. **Mol Cell Biol** 1985 May;5(5):1130-5

Influence of a tumor-promoting phorbol ester on the electrical response of B-cells to glucose and glyburide. Pace CS. **Mol Pharmacol** 1984 Sep;26(2):267-71

Phorbol ester-induced protein secretion in rat parotid gland. Relationship to the role of inositol lipid breakdown and protein kinase C activation in stimulus-secretion coupling. Putney JW Jr, et al. **Mol Pharmacol** 1984 Sep;26(2):261-6

Effects of 1-beta-D-arabinofuranosylcytosine and phorbol ester on differentiation of human K562 erythroleukemia cells. Watanabe T, et al. **Mol Pharmacol** 1985 Jun;27(6):683-8

Focus formation in rat fibroblasts exposed to a tumour promoter after transfer of polyoma plt and myc oncogenes. Connan G, et al. **Nature** 1985 Mar 21-27;314(6008):277-9

Phorbol ester and sperm activate mouse oocytes by inducing sustained oscillations in cell Ca2+. Cuthbertson KS, et al. **Nature** 1985 Aug 8-14;316(6028):541-2

Enhancement of calcium current in Aplysia neurones by phorbol ester and protein kinase C. DeRiemer SA, et al. **Nature** 1985 Jan 24-30;313(6000):313-6

Mitogens trigger a calcium-independent signal for proliferation in phorbol-ester-treated lymphocytes. Gelfand EW, et al. **Nature** 1985 May 30-Jun 5; 315(6018):419-20

Phorbol ester and diacylglycerol mimic growth factors in raising cytoplasmic pH. Moolenaar WH, et al. **Nature** 1984 Nov 22-28;312(5992):371-4

Protein kinase C regulation of the receptor-coupled calcium signal in histamine-secreting rat basophilic leukaemia cells. Sagi-Eisenberg R, et al. **Nature** 1985 Jan 3-9; 313(5997):59-60

Stimulation of the Na/H exchanger of sea urchin eggs by phorbol ester. Swann K, et al. **Nature** 1985 Mar 21-27; 314(6008):274-7

Early steps of lymphocyte activation bypassed by synergy between calcium ionophores and phorbol ester. Truneh A, et al. **Nature** 1985 Jan 24-30;313(6000):318-20

Keratinocytes blocked in phorbol ester-responsive early stage of terminal differentiation by sarcoma viruses. Yuspa SH, et al. **Nature** 1985 Apr 4-10;314(6010):459-62

Phorbol myristate acetate-stimulated production of interleukin 2 by T-cell lymphoma and constitutive production by derived hybridomas. Bubeník J, et al. **Neoplasma** 1984;31(5):497-505

Cell characterization and phorbol ester-induced differentiation of a human acute lymphoblastic leukemia cell line (NT-1). Yokoyama S, et al. **Nippon Ketsueki Gakkai Zasshi** 1984 Jul;47(4):990-1000

12-O-Tetradecanoylphorbol-13-acetate promotion of carcinogen-treated rat liver endothelial cells. Higgins PJ. **Oncology** 1985;42(5):301-3

Phorbol 12-myristate 13-acetate, ionomycin or ouabain, and raised extracellular magnesium induce proliferation of chicken heart mesenchymal cells. Balk SD, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6418-21

Protein kinase C regulates ionic conductance in hippocampal pyramidal neurons: electrophysiological effects of phorbol esters. Baraban JM, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(8):2538-42

Phorbol ester effects on neurotransmission: interaction with neurotransmitters and calcium in smooth muscle. Baraban JM, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):604-7

Phorbol esters induce transient internalization without degradation of unoccupied epidermal growth factor receptors. Beguinot L, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2774-8

Phorbol ester, serum, and rous sarcoma virus transforming gene product induce similar phosphorylations of ribosomal protein S6. Blenis J, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6408-12

Acetylcholine and phorbol esters inhibit potassium currents evoked by adenosine and cAMP in Xenopus oocytes. Dascal N, et al. **Proc Natl Acad Sci USA** 1985 Sep; 82(17):6001-5

Tumor-promoting phorbol diesters cause the phosphorylation of epidermal growth factor receptors in normal human fibroblasts at threonine-654. Davis RJ, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1974-8

Platelet-derived growth factor mimics phorbol diester action on epidermal growth factor receptor phosphorylation at threonine-654. Davis RJ, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4080-4

Diacylglycerols mimic phorbol diester induction of leukemic cell differentiation. Ebeling JG, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):815-9

Characterization of the activation of Na+/H+ exchange in lymphocytes by phorbol esters: change in cytoplasmic pH dependence of the antiport. Grinstein S, et al. **Proc Natl Acad Sci USA** 1985 Mar;82(5):1429-33

Mechanism of calcium ionophore A23187-induced priming of bone marrow-derived macrophages for tumor cell killing: relationship to priming by interferon. Johnson HM, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5959-62

Suppression of the first stage of phorbol 12-tetradecanoate 13-acetate-effected tumor promotion in mouse skin by nontoxic inhibition of DNA synthesis. Kinzel V, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5858-62

Phorbol esters promote alpha 1-adrenergic receptor phosphorylation and receptor uncoupling from inositol phospholipid metabolism. Leeb-Lundberg LM, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5651-5

Effects of phorbol ester on catecholamine secretion and protein phosphorylation in adrenal medullary cell cultures. Pocotte SL, et al. **Proc Natl Acad Sci USA** 1985 Feb; 82(3):930-4

Activation of S6 kinase activity in 3T3-L1 cells by insulin and phorbol ester. Tabarini D, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4369-73

Phorbol esters modulate insulin receptor phosphorylation and insulin action in cultured hepatoma cells. Takayama S, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7797-801

Pertussis toxin inhibits fMet-Leu-Phe- but not phorbol ester-stimulated changes in rabbit neutrophils: role of G proteins in excitation response coupling. Volpi M, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2708-12

1,2-Diacylglycerol and phorbol ester inhibit agonist-induced formation of inositol phosphates in human platelets: possible implications for negative feedback regulation of inositol phospholipid hydrolysis. Watson SP, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2623-6

Phorbol myristate acetate inhibits thrombin-stimulated Ca2+ mobilization and phosphatidylinositol 4,5-bisphosphate hydrolysis in human platelets. Zavoico GB, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3859-62

Interaction of viruses with tumor promotors. Yamamoto N. **Rev Physiol Biochem Pharmacol** 1984;101:111-59 (257 ref.)

The effect of tetradecanoyl-12, 13-phorbol acetate on 'hairy' cells. Skinnider L, et al. **Scand J Haematol** 1984 Sep; 33(3):301-8

Induction of maturation in different types of B-cell lymphomas in vitro with TPA and antibodies to surface immunoglobulin. Beiske K, et al. **Scand J Immunol** 1984 Sep;20(3):199-208

Identification of a cell surface protein complex mediating phorbol ester-induced adhesion (binding) among human mononuclear leukocytes. Patarroyo M, et al. **Scand J Immunol** 1985 Aug;22(2):171-82

Effect of phorbol ester tumor promoters on hairy cell leukemic cells. Lockney MW, et al. **Semin Oncol** 1984 Dec; 11(4):433-8

Platelet factor 3 availability induced by phorbol-12-myristate-13-acetate [letter] Jerushalmy Z, et al. **Thromb Haemost** 1984 Oct 31;52(2):218

A new function for activated protein C: activated protein C prevents inhibition of plasminogen activators by releasate from mononuclear leukocytes--platelet suspensions stimulated by phorbol diester. Taylor FB Jr, et al. **Thromb Res** 1985 Jan 1;37(1):155-64

Phorbol myristate acetate and in vitro T lymphocyte function. III. Selective impairment by PMA of lethal hit delivery by cloned CTL. Orosz CG, et al. **Transplantation** 1985 Apr;39(4):411-8

Effects of exogenous putrescine on the retinoic acid-induced reduction of 12-O-tetradecanoyl-phorbol-13-acetate-stimulated putrescine accumulation and rate of DNA synthesis in the hairless mouse epidermis. Paulsen JE. **Virchows Arch [Cell Pathol]** 1984;46(3):199-204

[Induction of baboon herpes virus antigens in producing lymphoblastoid cells] D'iachenko AG, et al. **Eksp Onkol** 1984;6(5):46-9 (Eng. Abstr.) **(Rus)**

[TPA enhancement of the mutagenic and transforming action of bovine adenovirus type 3 on cultured mouse cells] Lukash LL, et al. **Eksp Onkol** 1985;7(1):30-2 (Eng. Abstr.) **(Rus)**

[Genetic transformation of somatic cells. IV. The rate of loss of transformant phenotype depends on the structure of the transforming DNA and changes when the cells are treated with the tumor promotor 12-o-tetradecanoyl-phorbol-13-acetate] Glebov OK, et al. **Tsitologiia** 1985 May;27(5):572-81 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Modulatory effects of 5-azacytidine, phorbol ester, and retinoic acid on the malignant phenotype of human lung cancer cells. Olsson L, et al. **Int J Cancer** 1985 Feb 15; 35(2):189-98

TOXICITY

Specific binding and biological effects of tumor promoting phorbol esters on sponges. Mazzorana M, et al. **Biol Cell** 1984;52(1 Pt A):27-34

Retinoyl-phorbol-acetate is a complete skin tumor promoter in SENCAR mice. Fischer SM, et al. **Cancer Lett** 1985 Jul;27(3):323-7

Inhibition of 12-O-tetradecanoylphorbol-13-acetate-induced nitroblue tetrazolium reduction in mouse peritoneal macrophages by various tumor promotion inhibitors. Ohkawa Y, et al. **Cancer Lett** 1985 May;27(1):45-52

Caffeine and other phosphodiesterase inhibitors are potent inhibitors of the promotional effect of TPA on morphological transformation of hamster embryo cells. Rivedal E, et al. **Cancer Lett** 1985 Aug;28(1):9-17

Cutaneous changes during prolonged application of 12-O-tetradecanoylphorbol-13-acetate on mouse skin and residual effects after cessation of treatment. Aldaz CM, et al. **Cancer Res** 1985 Jun;45(6):2753-9

Inhibition of queuine uptake in cultured human fibroblasts by phorbol-12,13-didecanoate. Elliott MS, et al. **Cancer Res** 1985 Mar;45(3):1079-85

Phorbol ester-mediated inhibition of intercellular communication in BALB/c 3T3 cells: relationship to enhancement of cell transformation. Enomoto T, et al. **Cancer Res** 1985 Jun;45(6):2681-8

Cell-free system studies on the phosphorylation of the 17,000-20,000 dalton protein induced by phorbol ester in human leukemic cells and evidence for a similar event in virally transformed murine fibroblasts. Feuerstein N, et al. **Cancer Res** 1985 Jul;45(7):3243-51

Differential phosphorylation events associated with phorbol ester effects on acceleration versus inhibition of cell growth. Feuerstein N, et al. **Cancer Res** 1984 Nov; 44(11):5227-33

Suppression of tumor promoter-induced chemiluminescence in mouse epidermal cells by several inhibitors of arachidonic acid metabolism. Fischer SM, et al. **Cancer Res** 1985 Jul;45(7):3130-6

Membrane lipid dynamics in human promyelocytic leukemia cells sensitive and resistant to 12-O-tetradecanoylphorbol-13-acetate induction of differentiation. Fisher PB, et al. **Cancer Res** 1984 Dec;44(12 Pt 1):5550-4

Synergism and antagonism in the effects of 1 alpha,25-dihydroxyvitamin D3, retinoic acid, dexamethasone, and a tumor-promoting phorbol ester on the functional capability of P388D1 cells: phagocytosis and transglutaminase activity. Goldman R. **Cancer Res** 1985 Jul;45(7):3118-24

Induction of 5,6-ring-saturated thymine bases in NIH-3T3 cells by phorbol ester-stimulated macrophages: role of reactive oxygen intermediates. Lewis JG, et al. **Cancer Res** 1985 Mar;45(3):1270-5

Differential effects of 12-O-tetradecanoylphorbol-13-acetate on cultured normal and neoplastic human bronchial epithelial cells. Willey JC, et al. **Cancer Res** 1984 Nov; 44(11):5124-6

Contrasting responses of normal and transformed rat tracheal epithelial cells to the tumor promoter 12-O-tetradecanoylphorbol-13-acetate. Nettesheim P, et al. **Carcinog Compr Surv** 1985;8:207-15

Activation of protein kinase C by tumor promoting phorbol esters, teleocidin and aplysiatoxin in the absence of added calcium. Arcoleo JP, et al. **Carcinogenesis** 1985 Feb; 6(2):213-7

Indirect induction of a clastogenic effect in epidermal cells by a tumor promoter. Dutton DR, et al. **Carcinogenesis** 1985 Sep;6(9):1279-84

Development of phorbol ester responsiveness in neonatal mouse epidermis: correlation between hyperplastic response and sensitivity to first-stage tumor promotion. Fürstenberger G, et al. **Carcinogenesis** 1985 Feb;6(2):289-94

Retinoic acid and 12-O-tetradecanoylphorbol-13-acetate alter release of glycoproteins from mouse fibroblast BALB/C 3T6 cells. Jetten AM, et al. **Carcinogenesis** 1985 Mar;6(3):337-42

Keratinocyte damage produced by 12-O-tetradecanoylphorbol-13-acetate in rodent epidermis. Klein-Szanto AJ, et al. **Carcinogenesis** 1984 Nov;5(11):1459-65

Dermal collagen metabolism during tumor promotion with 12-O-tetradecanoylphorbol-13-acetate in mouse skin. Marian B, et al. **Carcinogenesis** 1985 Apr;6(4):501-4

The effect of 12-O-tetradecanoylphorbol-13-acetate and other tumor promoters on the colony formation of rat tracheal epithelial cells in culture. Mass MJ, et al. **Carcinogenesis** 1984 Dec;5(12):1597-601

Dehydroepiandrosterone and 16 alpha-Br-epiandrosterone inhibit 12-O-tetradecanoylphorbol-13-acetate stimulation of superoxide radical production by human polymorphonuclear leukocytes. Whitcomb JM, et al. **Carcinogenesis** 1985 Mar;6(3):333-5

Normal and transformed human prokeratinocytes express divergent effects of a tumor promoter on cell cycle-mediated control of proliferation and differentiation. Wille JJ Jr, et al. **Carcinogenesis** 1985 Aug;6(8):1181-7

Comparative effects of a complete tumor promoter, TPA, and a second-stage tumor promoter, RPA, on intercellular communication, cell differentiation and cell transformation. Yamasaki H, et al. **Carcinogenesis** 1985 Aug;6(8):1173-9

Tumor promoter phorbol-12-myristate-13-acetate induces poly(ADP)-ribosylation in fibroblasts. Singh N, et al. **EMBO J** 1985 Jun;4(6):1491-4

The effect of promoters on 1,2-dimethylhydrazine-induced colon carcinogenesis. Csuka O, et al. **IARC Sci Publ** 1984; (56):129-36

Membrane-mediated responses to 12-O-tetradecanoylphorbol-13-acetate in human skin fibroblasts. Kinsella AR, et al. **IARC Sci Publ** 1984; (56):177-88

Interaction of phorbol derivatives with replicating cells. Kinzel V, et al. **IARC Sci Publ** 1984;(56):253-64

Intercellular communication, cell differentiation and tumour promotion. Yamasaki H, et al. **IARC Sci Publ** 1984; (56):217-38

Synergistic effect of TPA and T-cell mitogens in nonmammalian vertebrates. Wiley JE, et al. **In Vitro** 1984 Dec;20(12):932-6

Susceptibility of skin fibroblasts from individuals genetically predisposed to cancer, to transformation by the tumour promoter 12-O-tetradecanoylphorbol-13-acetate. Gainer HS, et al. **Int J Cancer** 1984 Sep 15;34(3):349-57

Macrophage oxidative burst and related cytotoxicity. I. Differential activation by tumor-promoting and non-tumor-promoting phorbol esters. Keisari Y, et al. **Int J Cancer** 1984 Dec 15;34(6):845-8

Induction of IL-2 production, IL-2 receptor expression and proliferation of T3- T-PLL cells by phorbol ester. Vyth-Dreese FA, et al. **Int J Cancer** 1984 Dec 15; 34(6):831-8

Phorbol ester receptors-insights into the initial events in the mechanism of action of the phorbol esters. Blumberg PM, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:75-87 (38 ref.)

Observations on the mechanism of skin tumor promotion by phorbol esters. Boutwell RK, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:177-93 (40 ref.)

Similarity and dissimilarity between phorbol ester tumor promoters and 1 alpha,25-dihydroxyvitamin D3, an active form of vitamin D3. Kuroki T, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:89-99 (46 ref.)

Multistage tumor promotion in skin. Marks F, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:273-87 (48 ref.)

Membrane phospholipid turnover in signal transduction; protein kinase C and mechanism of action of tumor promoters. Miyake R, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:167-76 (30 ref.)

Distinct responses of 3T3-L1 cells to dihydroteleocidin B and the phorbol ester tumor promoters: relation to adipocyte differentiation, DNA synthesis and cell division. Shimizu N, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:115-22

Molecular mechanisms of tumor promotion and multistage carcinogenesis. Weinstein IB, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:59-74 (81 ref.)

Membrane interaction and modulation of gene expression by tumor promoters. Yamasaki H, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:221-33 (40 ref.)

Enhancement of two-stage skin carcinogenesis by exposure of distant skin to UV radiation. Strickland PT, et al. **JNCI** 1985 May;74(5):1129-34

Phorbol diesters and cellular differentiation. Vandenbark GR, et al. **JNCI** 1984 Nov;73(5):1013-9 (111 ref.)

Inhibition of 12-O-tetradecanoylphorbol-13-acetate-induced increase in vascular permeability in mouse skin by lipoxygenase inhibitors. Nakadate T, et al. **Jpn J Pharmacol** 1985 Jun; 38(2):161-8

Histopathologic features of phorbol myristate acetate-induced lung injury. Taylor RG, et al. **Lab Invest** 1985 Jan;52(1):61-70

A mutagenesis-enhancing activity of 12-O-tetradecanoylphorbol 13-acetate detected in Chinese hamster ovary cells. Dewdney RS, et al. **Mutat Res** 1984 Oct;129(1):119-27

Cells from patients with ataxia telangiectasia are abnormally sensitive to the cytotoxic effect of a tumor promoter, phorbol-12-myristate-13-acetate. Shiloh Y, et al. **Mutat Res** 1985 Apr;149(2):283-6

Suppression of the first stage of phorbol 12-tetradecanoate 13-acetate-effected tumor promotion in mouse skin by nontoxic inhibition of DNA synthesis. Kinzel V, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5858-62

12-O-Tetradecanoyl-phorbol-13-acetate (TPA) induced congenital kidney defects and embryomortality in the CD-1 mouse. Huber BE, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jul;49(1):17-34

PHORIAS see **STRABISMUS**

PHOSGENE

ANALYSIS

[Photometric methods of determining phosgene and chlorine in the presence of hydrogen chloride in the air] Beliakov AA, et al. **Gig Tr Prof Zabol** 1985 Apr;(4):53-5 **(Rus)**

POISONING

[Radiological observation on pulmonary edema due to phosgene poisoning] Zhu JA. **Chung Hua Fang She Hsueh Tsa Chih** 1984 Aug;18(3):171-3 (Eng. Abstr.) **(Chi)**

[Acute phosgene poisoning: therapeutic effect of 156 cases] Zhu J. **Chung Hua Nei Ko Tsa Chih** 1985 Apr;24(4):224-6, 255 (Eng. Abstr.) **(Chi)**

PHOSMET see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

PHOSPHAMIDE see **DIMETHOATE**

PHOSPHAMIDON see under **INSECTICIDES, ORGANOPHOSPHATE**

PHOSPHATASES

Specific arginine modification at the phosphatase site of muscle carbonic anhydrase. Pullan LM, et al. **Biochemistry** 1985 Jan 29;24(3):635-40

Amino acid sequence of acylphosphatase from rabbit skeletal muscle. Kizaki T, et al. **J Biochem (Tokyo)** 1985 Apr; 97(4):1155-61

Amino acid sequence of acylphosphatase from porcine skeletal muscle. Mizuno Y, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1135-42

ANALYSIS

Assay of diadenosine tetraphosphate hydrolytic enzymes by boronate chromatography. Barnes LD, et al. **Anal Biochem** 1985 Jan;144(1):296-304

Rabbit skeletal muscle acylphosphatase: the amino acid sequence of form Ra1. Manao G, et al. **Arch Biochem Biophys** 1985 Sep;241(2):418-24

Effect of positively charged local anesthetics on a membrane-bound phosphatase in Acholeplasma laidlawii. Burke PV, et al. **Biochem Pharmacol** 1985 Jun 1; 34(11):1917-24

Inosine diphosphatase as a histochemical marker of retinal microvasculature, with special reference to transformation of microglia. Sanyal S, et al. **Cell Tissue Res** 1985; 241(2):291-7

Distinction between antemortem & post mortem wounds by histochemical methods. Bhusale RG, et al. **Indian J Pathol Microbiol** 1984 Oct;27(4):299-307

Recognition of Staphylococcus saprophyticus in urine cultures by screening colonies for production of phosphatase. Pickett DA, et al. **J Clin Microbiol** 1985 Mar; 21(3):310-3

Improved localization of intracellular sites of phosphatases using cerium and cell permeabilization. Robinson JM. **J Histochem Cytochem** 1985 Aug;33(8):749-54

Escherichia coli transcription termination factor rho has a two-domain structure in its activated form. Bear DG, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1911-5

cDNA-derived amino acid sequence of the gamma subunit of GTPase from bovine rod outer segments. Yatsunami K, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1936-40

GTPase of bovine rod outer segments: the amino acid sequence of the alpha subunit as derived from the cDNA sequence. Yatsunami K, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4316-20

[On the localization of enzymes in the human spermatozoa. I. Phosphatases] Taniguchi K, et al. **Nippon Hoigaku Zasshi** 1984 Aug;38(4):416-23 (Eng. Abstr.) **(Jpn)**

[Phosphatase activity in porcine brain microtubule proteins] Fujii M, et al. **Yakugaku Zasshi** 1985 May;105(5):464-9 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Transformation of cells by an inhibitor of phosphatases acting on phosphotyrosine in proteins. Klarlund JK. **Cell** 1985 Jul;41(3):707-17

In vivo accumulation and effects of mercuric chloride on tissue phosphatases of Notopterus notopterus. Verma SR, et al. **Clin Physiol Biochem** 1985;3(4):199-203

Inhibition of a low Km GTPase activity in rat striatum by calmodulin. Treisman GJ, et al. **J Neurochem** 1985 Feb; 44(2):518-25

In vitro and in vivo effects of vanadate on K+-dependent phosphatase activities from subcellular fractions of brain, kidney and liver. Keller RJ, et al. **Toxicol Lett** 1985 Jul; 26(1):9-14

BLOOD

Ca2+-stimulated phospholipid phosphoesterase activities in rabbit erythrocyte membranes. Quist E. **Arch Biochem Biophys** 1985 Jan;236(1):140-9

Stimulation of high-affinity hormone-sensitive GTPase of human platelets by 1-O-alkyl-2-O-acetyl-sn-glyceryl-3-phosphocholine (platelet activating factor). Avdonin PV, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):307-13

A one-step liquid-chromatographic technique for the estimation of the deoxythymidine-5'-triphosphatase in human serum. Dahlmann N. **Hoppe Seylers Z Physiol Chem** 1984 Oct;365(10):1263-9

[Enzymatic activity of blood donor leukocytes and changes in it during preservation] Ternovskiĭ LN, et al. **Gematol Transfuziol** 1984 Sep;29(9):17-8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

A fruit fly bioassay with phosphotriesterase for detection of certain organophosphorus insecticide residues. Chiang T, et al. **Bull Environ Contam Toxicol** 1985 Jun;34(6):809-14

GENETICS

The product of ras is a GTPase and the T24 oncogenic mutant is deficient in this activity. Sweet RW, et al. **Nature** 1984 Sep 20-26;311(5983):273-5

IMMUNOLOGY

Antigenic determinants of acylphosphatase from porcine skeletal muscle. Kizaki T, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1143-54

ISOLATION & PURIFICATION

Separation of deoxythymidine-5'-triphosphatase from unspecific hydrolases. A recommended micromethod in the diagnostic evaluation of human carcinoma. Dahlmann N, et al. **Anticancer Res** 1984 Jul-Oct;4(4-5):299-303

Purification and properties of a nucleoside triphosphatase from Sinclair swine. Williams MV. **Enzyme** 1984; 32(4):201-7

Histoenzymic studies on phosphatases in the uterine wall of the goat (Capra hircus). Bhattacharya M, et al. **Gegenbaurs Morphol Jahrb** 1984;130(4):603-8

Horse heart acylphosphatase: purification and characterization. Stefani M, et al. **Ital J Biochem** 1985 Mar-Apr;34(2):94-108

Crystallization and properties of acylphosphatase from porcine skeletal muscle. Mizuno Y, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):313-20

Purification and characterization of a guanosine diphosphatase activity from calf liver microsomal salt wash proteins. Raychaudhuri P, et al. **J Biol Chem** 1985 Jul 15; 260(14):8306-11

METABOLISM

Seasonal changes in the activity of phosphatases in Sertoli cells of the frog Rana temporaria. Haider SG, et al. **Acta Histochem [Suppl] (Jena)** 1985;31:145-9

Cytochemical detection of phosphatase and arylsulphatase activities in the midgut of Centropages typicus (Copepod, Calanoid). Arnaud J, et al. **Basic Appl Histochem** 1984; 28(4):399-412

Effect of divalent metal ions and glycerol on the GTPase activity of H-ras proteins. Manne V, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1440-6

Desensitization of opioid-stimulated GTPase in neuroblastoma x glioma hybrid cells. Vachon L, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1342-9

Oscillation of enzyme networks in spleen triggered by an immunopotentiator, bestatin. Aoyagi T, et al. **Biochem Int** 1984 Oct;9(4):405-11

Interspecies conservation of retinal guanosine 5'-triphosphatase. Characterization by photoaffinity labelling and tryptic-peptide mapping. McMurray MM, et al. **Biochem J** 1985 Jan 1;225(1):227-32

Characterization of a ribonuclease-sensitive nucleoside triphosphatase activity from HeLa nuclei. Richardson LV, et al. **Biochem J** 1985 Apr 15;227(2):503-10

Light-regulated biochemical events in invertebrate photoreceptors. 1. Light-activated guanosinetriphosphatase, guanine nucleotide binding, and cholera toxin catalyzed labeling of squid photoreceptor membranes. Vandenberg CA, et al. **Biochemistry** 1984 May 22;23(11):2339-47

Loss of latent activity of liver microsomal membrane enzymes evoked by lipid peroxidation. Studies of nucleoside diphosphatase, glucose-6-phosphatase, and UDP glucuronyltransferase. de Groot H, et al. **Biochim Biophys Acta** 1985 Apr 26;815(1):91-6

Salivary apyrase of Aedes aegypti: characterization and secretory fate. Ribeiro JM, et al. **Comp Biochem Physiol [B]** 1984;79(1):81-6

Mercuric chloride intoxication in freshwater prawn. II. Effect on phosphatases activity. Murti R, et al. **Ecotoxicol Environ Safety** 1984 Dec;8(6):581-6

Photoaffinity labelling of a nuclear matrix nucleoside triphosphatase and its modulation in the acute-phase response. Clawson GA, et al. **Exp Cell Res** 1985 Jul; 159(1):171-5

Localization of nucleoside triphosphatase activity to the inner nuclear envelope and associated heterochromatin. Clawson GA, et al. **Exp Cell Res** 1984 Nov;155(1):310-4

Subcellular localization and some properties of the enzymes hydrolysing inositol polyphosphates in rat liver. Joseph SK, et al. **FEBS Lett** 1985 Jan 28;180(2):150-4

Psoriasis before and after methotrexate (MXT) treatment. I. The Golgi apparatus and phosphatases. Ramadan AA, et al. **Folia Morphol (Praha)** 1984;32(3):257-9

Relationship between various concentrations of NaOH and metabolic effects in experimentally burned rabbit cornea. A biochemical and histochemical study. Bolková A, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;222(2):86-9

Divalent cations and the phosphatase activity of the (Na + K)-dependent ATPase. Robinson JD. **J Bioenerg Biomembr** 1985 Jun;17(3):183-200

Effect of 1-p-bromotetramisole on phosphatases in neonatal hamster bone and tooth germs at different pH. Wöltgens JH, et al. **J Biol Buccale** 1985 Mar;13(1):3-10

GTPase activity of the stimulatory GTP-binding regulatory protein of adenylate cyclase, Gs. Accumulation and turnover of enzyme-nucleotide intermediates. Brandt DR, et al. **J Biol Chem** 1985 Jan 10;260(1):266-72

The inhibitory guanine nucleotide-binding protein (Ni) purified from bovine brain is a high affinity GTPase. Milligan G, et al. **J Biol Chem** 1985 Feb 25;260(4):2057-63

Characterization of D-myo-inositol 1,4,5-trisphosphate phosphatase in rat liver plasma membranes. Seyfred MA, et al. **J Biol Chem** 1984 Nov 10;259(21):13204-8

Nucleotide specificity of cardiac sarcoplasmic reticulum. GTP-induced calcium accumulation and GTPase activity.

ARK PUBLIC LIBRARY

Tate CA, et al. **J Biol Chem** 1985 Aug 15;260(17):9618–23

Opiate and dopamine stimulate different GTPase in striatum: evidence for distinct modulatory mechanisms of adenylate cyclase. Tirone F, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(4):327–39

A comparative study of phosphatases in the rhombencephalon and mesencephalon of fresh water turtle (Lissemys punctata granosa). Khan AH, et al. **J Hirnforsch** 1984;25(6):633–45

beta-NADPHase- and TMPase-positive 'snake-like tubules' in the exocrine pancreas: cytochemical and immunocytochemical studies. Beaudoin AR, et al. **J Histochem Cytochem** 1985 Jun;33(6):569–75

Increased nucleoside triphosphatase activity of rat liver nuclear envelope is associated with hepatocarcinogen exposure. Clawson GA, et al. **Lab Invest** 1984 Dec; 51(6):682–9

Stereospecificity of opiate-stimulated GTPase activity in brain. Hoss W, et al. **Neuropeptides** 1984 Dec;5(1–3):185–8

Stoichiometric methylation of calcineurin by protein carboxyl O-methyltransferase and its effects on calmodulin-stimulated phosphatase activity. Billingsley ML, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5612–6

Intrinsic GTPase activity distinguishes normal and oncogenic ras p21 molecules. Gibbs JB, et al. **Proc Natl Acad Sci USA** 1984 Sep;81(18):5704–8

Thyrotropin-releasing hormone stimulates GTP hydrolysis by membranes from GH4C1 rat pituitary tumor cells. Hinkle PM, et al. **Proc Natl Acad Sci USA** 1984 Oct; 81(19):6183–7

Ha-ras proteins exhibit GTPase activity: point mutations that activate Ha-ras gene products result in decreased GTPase activity. Manne V, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):376–80

Mechanism of activation of the calcium-, calmodulin-dependent protein kinase of cardiac sarcoplasmic reticulum and dephosphorylation of phosphoesters by an endogenous phosphatase. Suko J, et al. **Prog Clin Biol Res** 1984;168:35–40

[Proteinase, glycosidase and phosphatase cytochemistry in the small intestine and liver: phylogeny and species differencies] Gossrau R. **Acta Histochem [Suppl] (Jena)** 1985;31:63–72 **(Ger)**

[Effect of larvae of Ascaris suum Goeze on phosphatase activity of the guinea pig intestine] Jarnicka-Stanios H, et al. **Wiad Parazytol** 1984;30(3):277–81 (Eng. Abstr.) **(Pol)**

[Detection and intracellular localization of 2 polyphosphate phosphohydrolases with different substrate specificities in the slime variant of Neurospora crassa] Trilisenko LV, et al. **Dokl Akad Nauk SSSR** 1985;280(3):763–5 **(Rus)**

[Enzyme shifts in peripheral blood leukocytes in pneumonia and acute respiratory virus infections] Komissarova IA, et al. **Klin Med (Mosk)** 1984 Jul;62(7):79–82 (Eng. Abstr.) **(Rus)**

[Activity of guanosine diphosphatase and guanosine triphosphatase in the rat brain and liver under radiation injury] Savitskiĭ. **Ukr Biokhim Zh** 1985 Mar–Apr;57(2):73–6 (Eng. Abstr.) **(Rus)**

[Fibroblast phosphatase activity in the staphylococcal infection process] Dzhidzheishvili LSh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1984 Aug;(8):62–4 (Eng. Abstr.) **(Rus)**

[Electron-cytochemical study of microglia in Alzheimer's disease and senile dementia] Vostrikov VM. **Zh Nevropatol Psikhiatr** 1985;85(7):974–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The influence of chemical agents on the level of ionized [Ca2+] in squid axons. Requena J, et al. **J Gen Physiol** 1985 Jun;85(6):789–804

PHYSIOLOGY

Role of hormone-sensitive GTPases in adenylate cylase regulation. Aktories K, et al. **Adv Exp Med Biol** 1984; 175:31–45 (50 ref.)

Studies of the GTPase domain of archaebacterial ribosomes. Beauclerk AA, et al. **Eur J Biochem** 1985 Sep 2; 151(2):245–55

Prolonged relaxation of detergent-skinned smooth muscle involves decreased endogenous phosphatase activity. Bialojan C, et al. **Proc Soc Exp Biol Med** 1985 Apr; 178(4):648–52

PHOSPHATE ACETYLTRANSFERASE see under **ACETYLTRANSFERASES**

PHOSPHATE DIABETES see **HYPOPHOSPHATEMIA, FAMILIAL**

PHOSPHATES

see related
SUGAR PHOSPHATES

Phosphorolysis of acetyl phosphate by orthophosphate with energy conservation in the phosphoanhydride linkage of pyrophosphate. Vieyra A, et al. **Arch Biochem Biophys** 1985 May 1;238(2):574–83

A new use of K-Y jelly as a gonioscopy fluid. Mehta HK. **Br J Ophthalmol** 1984 Oct;68(10):765–7

F- uptake inhibition by excess phosphate during fluoridated apatite formation. Okazaki M, et al. **Caries Res** 1985; 19(4):342–7

Stability of sodium monofluorophosphate: a technical note. Pearce EI. **Caries Res** 1984;18(6):525–6

Phosphate buffer and salt medium concentrations affect the inactivation of T4 phage by platinum(II) complexes. Pedersen HB, et al. **Chem Biol Interact** 1985 Jun;54(1):1–8

The phosphate potential maintained by mitochondria in State 4 is proportional to the proton-motive force. Woelders H, et al. **FEBS Lett** 1985 Jan 7;179(2):278–82

Nitrosation by alkyl nitrites. Catalysis by inorganic salts. Dabora R, et al. **IARC Sci Publ** 1984;(57):311–6

Use of a phoB'-'lacZ fusion gene to determine the N-terminal amino acid sequence of the phoB protein and to prepare antiserum against the protein. Sugita T, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1247–50

Formation of a leakage-type ion pathway in lipid bilayer membranes by divalent cationic cyanine dyes in cooperation with inorganic phosphate. Role of the cyanine dye in uncoupling of oxidative phosphorylation. Takeguchi N, et al. **J Biol Chem** 1985 Aug 5;260(16):9158–6

An electron microscopic study of virus fixed in phosphate-buffered formalin for extended periods. Takagi I, et al. **J Electron Microsc (Tokyo)** 1984;33(4):405–6

Analogues of platelet activating factor. 3. Replacement of the phosphate moiety with a sulfonylbismethylene group. Wissner A, et al. **J Med Chem** 1985 Sep;28(9):1365–7

[Comparative bacteriological and chemical analysis of kidney calculi. Apropos of 135 cases] Bébéar C, et al. **Nephrologie** 1984;5(5):225–7 (Eng. Abstr.) **(Fre)**

[Experimental magnesium ammonium phosphate lithiasis induced by Ureaplasma in the rat] Texier J, et al. **Nephrologie** 1984;5(5):222–4 (Eng. Abstr.) **(Fre)**

[Pneumoconiosis at a phosphate mine] Cörnea G, et al. **Tunis Med** 1983 May–Jun;61(3):205–14 (Eng. Abstr.) **(Fre)**

[A new solution for blood preservation containing adenine, nicotinamide and phosphates] Agranenko VA, et al. **Gematol Transfuziol** 1985 Feb;30(2):12–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Age and the development of nephrocalcinosis induced by injections of neutral phosphate in rats. Zalups RK. **Acta Morphol Hung** 1984;32(2):121–5

1-alpha-OH-cholecalciferol (1-alpha-OHD3) and low phosphate diet in predialysis chronic renal failure: effects on renal function and on secondary hyperparathyroidism. Coen G, et al. **Acta Vitaminol Enzymol** 1984;6(2):129–35

Phosphate-restricted diets versus calcitonin in the prevention of osteodystrophy in experimental renal disease. D'Angelo A, et al. **Adv Exp Med Biol** 1984;178:233–40

Evaluation of a flushing solution designed to protect kidneys from in situ ischemia. Andrews PM, et al. **Am J Kidney Dis** 1985 Jul;6(1):53–8

Intraperitoneal chromic phosphate P 32 suspension therapy of malignant peritoneal cytology in endometrial carcinoma. Soper JT, et al. **Am J Obstet Gynecol** 1985 Sep 15; 153(2):191–6

The influence of dietary calcium on kidney calcification and renal function in rats fed high-phosphate diets. Schaafsma G, et al. **Bone** 1985;6(3):155–63

Influence of phosphate restriction, keto-acids and vitamin D on the progression of chronic renal failure. Fröhling PT, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:561–6

ADVERSE EFFECTS

Clinical, biochemical, acid-base, and electrolyte abnormalities in cats after hypertonic sodium phosphate enema administration. Atkins CE, et al. **Am J Vet Res** 1985 Apr;46(4):980–8

Contact dermatitis to trilaureth phosphate. Neill SM, et al. **Contact Dermatitis** 1984 Aug;11(2):130–1

ANALYSIS

Effects of a three-hour calcium clamp on calcium, phosphate, magnesium and zinc concentrations of human parotid saliva. Sagulin GB, et al. **Acta Physiol Scand** 1985 May; 124(1):1–4

A modified direct phosphate assay for studying ATPases. Jenkins WT, et al. **Anal Biochem** 1984 Aug 15;141(1):155–60

Determination of inorganic phosphate with molybdate and Triton X-100 without reduction. Kyaw A, et al. **Anal Biochem** 1985 Mar;145(2):230–4

Measurement of phosphate concentration in the presence of very labile phosphate esters. Lane RJ, et al. **Anal Biochem** 1984 Aug 1;140(2):424–7

Orthophosphate determination in the presence of high concentrations of ATP. McKee SA, et al. **Anal Biochem** 1985 Feb 1;144(2):429–31

Fast hemoglobins and red blood cell metabolites in citrate phosphate dextrose adenine stored blood. Zeller WP, et al. **Ann Clin Lab Sci** 1985 Jan–Feb;15(1):61–5

Raman spectra of phosphate and monofluorophosphate ions in several dentally-relevant materials. Nelson DG, et al. **Caries Res** 1985;19(2):113–21

Adsorption of phosphate by aluminum hydroxycarbonate. Liu JC, et al. **J Pharm Sci** 1984 Oct;73(10):1355–8

New location of milk-of-calcium. García-Cuerpo E, et al. **Urology** 1985 Apr;25(4):425–7

[Phosphoantimony molybdic acid-polyethylene glycol-peacock green in the determination of phosphates and total phosphorus in water] He GZ. ***Chung Hua Yu Fang I Hsueh Tsa Chih*** 1984 May; 18(3):170–2 **(Chi)**

[Determination of inorganic phosphates in a kinetic regimen] Stern P. **Cesk Farm** 1984 Oct;33(8):340–2 (Eng. Abstr.) **(Cze)**

[Identification and determination of phosphates in dairy products] Kirst E. **Nahrung** 1985;29(4):391–6 (Eng. Abstr.) **(Ger)**

[Structural studies of infection stones: structure of the nuclei] Takeuchi H, et al. **Hinyokika Kiyo** 1984 Nov; 30(11):1579–87 (Eng. Abstr.) **(Jpn)**

[Analysis and properties of condensed phosphates for medicinal and food additives] Tsuhako M, et al. **Yakugaku Zasshi** 1984 Jul;104(7):718–23 (Eng. Abstr.) **(Jpn)**

[Roentgenostructural phase analysis of urinary calculi. III. Heterogeneity of the phase composition of urinary calculi] Trzaska Durski Z, et al. **Pol Tyg Lek** 1984 Apr 9; 39(15):523–5 **(Pol)**

BLOOD

Effect of propranolol on post-traumatic hypophosphataemia and catecholamine secretion. Lovén L, et al. **Acta Chir Scand** 1985;151(3):201–4

Postoperative myocardial performance during glucose-induced hypophosphatemia. Rasmussen A, et al. **Acta Chir Scand** 1985;151(1):13–5

Acute hemolytic anemia caused by severe hypophosphatemia in diabetic ketoacidosis. Shilo S, et al. **Acta Haematol (Basel)** 1985;73(1):55–7

Premature cranial synostosis and hypophosphatemic rickets [letter] Clemens P. **Acta Paediatr Scand** 1984 Nov;73(6):857

The relation between attained adult height and the metaphyseal lesions in hypophosphataemic vitamin-D resistant rickets. Herweijer TJ, et al. **Acta Paediatr Scand** 1985 Mar;74(2):196–200

Longitudinal study of calcium metabolism in male puberty. I. Bone mineral content, and serum levels of alkaline phosphatase, phosphate and calcium. Krabbe S, et al. **Acta Paediatr Scand** 1984 Nov;73(6):745–9

Circadian variations in serum zinc (Zn) concentrations: correlation with blood ionized calcium, serum total calcium and phosphate in humans. Markowitz ME, et al. **Am J Clin Nutr** 1985 Apr;41(4):689–96

Elevated serum calcitriol concentrations do not fall in response to hyperphosphatemia in familial tumoral calcinosis. Steinherz R, et al. **Am J Dis Child** 1985 Aug; 139(8):816–9

Recurrent fractures, hypophosphatemia, and renal insufficiency in an elderly woman. Glassock RJ, et al. **Am J Nephrol** 1984;4(5):329–35

Hypophosphatemia. Baker WL. **Am J Nurs** 1985 Sep; 85(9):998–1003

Serum phosphate levels in acute bowel ischemia. An aid to early diagnosis. Feretis CB, et al. **Am Surg** 1985 Apr; 51(4):242–4

Alterations in 32P-labelled intermediates during flux activation of human platelet glycolysis. Akkerman JW, et al. **Biochim Biophys Acta** 1984 Nov 28;802(2):221–8

pH dependence of phosphate transport across the red blood cell membrane after modification by dansyl chloride. Berghout A, et al. **Biochim Biophys Acta** 1985 May 14; 815(2):281–6

Inhibition of phosphate transport in human erythrocytes by water-soluble carbodiimides. Craik JD, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):429–34

Protein-mediated chloride-phosphate and lactate-lactate exchange in cytoskeleton-free vesicles budded from rabbit erythrocytes. Donovan JA. **Biochim Biophys Acta** 1985 Jun 11;816(1):68–76

Serum phosphate levels in acute myocardial infarction. García H, et al. **Bol Asoc Med PR** 1985 May;77(5):184–5

Severe hypophosphataemia during recovery from acute respiratory acidosis [letter] Brown EL. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):832

Hypophosphataemic osteomalacia associated with prostatic carcinoma. Murphy P, et al. **Br Med J [Clin Res]** 1985 Jun 29;290(6486):1945

Hyperphosphataemic rickets in an Asian infant. Robinson D, et al. **Br Med J [Clin Res]** 1985 May 4;290(6478):1318–9

Severe hypophosphataemia during recovery from acute respiratory acidosis [letter] Squara P, et al. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):237

The psychiatric aspect of hypophosphatemia. Nanji AA. **Can J Psychiatry** 1984 Nov;29(7):599–600

Hyperphosphatemic renal failure following treatment of acute nonlymphatic leukemia [letter] Dauber LG, et al. **Cancer Treat Rep** 1985 May;69(5):563–5

N-methylformamide-induced hypophosphatemia. Sternberg CN, et al. **Cancer Treat Rep** 1985 Mar;69(3):343–4

The effect of manganese ingestion, phosphate depletion, and starvation on the morphology of the epiphyseal growth plate. A stereologic study. Svensson O, et al. **Clin Orthop** 1985 Jul–Aug;(197):286–94

Erythrocyte phosphate composition and osmotic fragility in the Australian lungfish, Neoceratodus fosteri, and osteoglossid, Scleropages schneichardti. Isaacks RE, et al. **Comp Biochem Physiol [A]** 1984;79(4):667–71

Hemoglobin, hematology, intraerythrocytic phosphates and whole blood Bohr effect from lotic and lentic Hypostomus regani populations (São Paulo–Brasil). Val AL, et al. **Comp Biochem Physiol [B]** 1985;80(4):737–41

Hypophosphatemia and Reye's syndrome. Carroll JL, et al. **Crit Care Med** 1985 Jun;13(6):480–2

Reduced tubular reabsorption of phosphate during post-operative glucose infusions in humans. Rasmussen A, et al. **Eur J Clin Invest** 1985 Jun;15(3):157–60

Effect of bromocriptine on serum PTH, calcium and phosphate levels in azotemic rats. Elias AN, et al. **Gen Pharmacol** 1985;16(1):75–7

Erythrocyte phosphate release in essential hypertension. Walter U. **Hypertension** 1985 May–Jun;7(3 Pt 1):430–7

Prevalence of hypocalcaemia and hypophosphataemia in the elderly males in Haryana. Marya RK, et al. **Indian J Physiol Pharmacol** 1984 Apr–Jun;28(2):145–8

Serum phosphate concentration with relation to the hematocrit value in uremic patients on chronic hemodialysis. Gonella M, et al. **Int J Artif Organs** 1984 Nov;7(6):341–2

Hypophosphatemia after cardiothoracic surgery. Goldstein J, et al. **Intensive Care Med** 1985;11(3):144–8

Reversible and irreversible inhibition of phosphate transport in human erythrocytes by a membrane impermeant carbodiimide. Craik JD, et al. **J Biol Chem** 1985 Feb 25; 260(4):2404–8

Evidence that phospholipid turnover is the signal transducing system coupled to serotonin–S2 receptor sites. de Chaffoy de Courcelles D, et al. **J Biol Chem** 1985 Jun 25; 260(12):7603–8

Adult hypophosphatemic osteomalacia: a case report. Phanichphant S, et al. **J Med Assoc Thai** 1984 Aug; 67(8):438–41

Renal hypophosphatemic rickets. Chan JC, et al. **J Pediatr** 1985 Apr;106(4):533–44 (78 ref.)

Glomerular filtration rate and plasma pH as determinants of phosphate reabsorption. Langberg H, et al. **Kidney Int** 1984 Aug;26(2):128–36

Phosphate removal by haemoperfusion in acute renal failure (animals). Manor D, et al. **Life Support Syst** 1985 Jan–Mar; 3(1):26–34

Renal tubular acidosis associated with vitamin D–resistant rickets. Role of phosphate depletion. Minari M, et al. **Miner Electrolyte Metab** 1984;10(6):371–4

Abnormal hyperphosphatemic response to fasting in X–linked hypophosphatemic mice. Mühlbauer RC, et al. **Miner Electrolyte Metab** 1984;10(6):362–5

Effect of hypophosphatemia on diaphragmatic contractility in patients with acute respiratory failure. Aubier M, et al. **N Engl J Med** 1985 Aug 15;313(7):420–4

The clinical status of hypophosphatemia: an update [editorial] Knochel JP. **N Engl J Med** 1985 Aug 15;313(7):447–9

Hereditary hypophosphatemic rickets with hypercalciuria. Tieder M, et al. **N Engl J Med** 1985 Mar 7;312(10):611–7

Serum phosphate, parathyroid hormone and vitamin D metabolites in patients with chronic renal failure: effect of aluminum hydroxide administration. Takamoto S, et al. **Nephron** 1985;40(3):286–91

Severe hypophosphatemia after head injury. Gadisseux P, et al. **Neurosurgery** 1985 Jul;17(1):35–40

Effect of E. coli ectotoxin on calcium and phosphate concentration in serum of dairy cows. Sandstedt H, et al. **Nord Vet Med** 1984 Nov–Dec;36(11):406–7

Biochemical studies of a patient with hereditary hepatorenal tyrosinemia: evidence of glutathione deficiency. Stoner E, et al. **Pediatr Res** 1984 Dec;18(12):1332–6

Effects of hydrochlorothiazide and amiloride in renal hypophosphatemic rickets. Alon U, et al. **Pediatrics** 1985 Apr;75(4):754–63

Myocardial damage due to hypokalaemia and hypophosphataemia. Frustaci A, et al. **Postgrad Med J** 1984 Oct;60(708):679–81

Red cell organic phosphates and Bohr effects in house sparrow blood. Maginniss LA. **Respir Physiol** 1985 Jan; 59(1):93–103

Hypophosphataemic osteomalacia misdiagnosed as metastatic carcinoma. A case report. O'Donnell D, et al. **S Afr Med J** 1985 Jun 8;67(23):934–5

Hypophosphataemia in acute pancreatitis. Sacks DB, et al. **S Afr Med J** 1985 Jul 20;68(2):87–90

Hypophosphataemia in patients with severe burns [letter] van der Merwe AE. **S Afr Med J** 1985 Jun 1;67(22):878–8

A new cartridge for phosphate removal in uremic patients. Bazzato G, et al. **Trans Am Soc Artif Intern Organs** 1984; 30:199–202

[Changes of serum phosphate levels in acute intestinal strangulation––an experimental study] Wang DZ. **Chung Hua Wai Ko Tsa Chih** 1984 Jun;22(6):341–3, 382 (Eng. Abstr.) **(Chi)**

[Clinical analysis of 11 cases of hypophosphatemia complicating total parenteral nutrition] Zhang XY, et al. **Chung Hua Wai Ko Tsa Chih** 1985 Apr;23(4):196–8, 252 (Eng. Abstr.) **(Chi)**

[Importance of hyperphosphatemia in the development of experimental and spontaneous mediocalcinosis (postreproductive arteriopathy)] Záhoř Z, et al. **Sb Lek** 1984 Jul;86(7):202–8 (Eng. Abstr.) **(Cze)**

[Hypophosphatemic rickets in premature infants independent of vitamin D] Boissinot C, et al. **Arch Fr Pediatr** 1984 Oct; 41(8):557–9 (Eng. Abstr.) **(Fre)**

[Clofibrate and phosphate metabolism] Michailov ML. **Cor Vasa** 1984;26(4):309–16 (Eng. Abstr.) **(Ger)**

[Severe phosphate depletion in uncontrolled diabetes mellitus (case report)] Pupp–Thaler R, et al. **Infusionsther Klin Ernahr** 1984 Oct;11(5):276–80 (Eng. Abstr.) **(Ger)**

[Magnesium, calcium and phosphate changes in the serum of newborn infants after exchange transfusion] Ratzmann GW, et al. **Kinderarztl Prax** 1985 Mar;53(3):119–26 (Eng. Abstr.) **(Ger)**

[Hypophosphatemic osteomalacia of tumor origin: role of calcitonin and vitamin D] Isaia GC, et al. **Chir Organi Mov** 1984;69(4):407–12 (Eng. Abstr.) **(Ita)**

[Treatment of hyperphosphatemia in chronic renal failure] Babarykin DA, et al. **Ter Arkh** 1984;56(7):64–6 (Eng. Abstr.) **(Rus)**

[Causes of hypophosphatemia after kidney transplantation] Revúsová V, et al. **Cas Lek Cesk** 1984 Aug 24; 123(34):1066–9 **(Slo)**

[Asterixis as a neurologic manifestation of hypophosphatemia (letter)] Subías Sobrevía R, et al. **Med Clin (Barc)** 1984 Nov 10;83(15):651 **(Spa)**

CEREBROSPINAL FLUID

[Reference values of sodium, potassium, chloride, calcium, inorganic phosphate and magnesium levels in the cerebrospinal fluid of children] Liappis N, et al. **Klin Padiatr** 1984 Nov–Dec;196(6):370–4 (Eng. Abstr.) **(Ger)**

DEFICIENCY

The myopathy of phosphate depletion. Brautbar N, et al. **Adv Exp Med Biol** 1984;178:363–75

Hyperlipoproteinemia in phosphate depletion. Kreusser W, et al. **Adv Exp Med Biol** 1984;178:427–33

Adaptation of phosphate transport in phosphate–deprived LLC–PK1 cells. Caverzasio J, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):F122–7

Effect of phosphate depletion on blood pressure and vascular reactivity to norepinephrine and angiotensin II in the rat. Saglikes Y, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):F93–9

Lipid changes in the bones of the healing vitamin D–deficient phosphate–deficient rat. Boskey AL. **Bone** 1985;6(3):173–8

Proteoglycans and glycosaminoglycans of epiphyseal cartilage in florid and healing low phosphate, vitamin D deficiency rickets. Reinholt FP, et al. **Coll Relat Res** 1985 Jan;5(1):55–64

Gender differences in antacid–induced phosphate deprivation in rats. Schwarz KB, et al. **Gastroenterology** 1985 Aug; 89(2):313–20

Hypercalcemia associated with phosphate depletion in the neonate. Miller RR, et al. **J Pediatr** 1984 Nov;105(5):814–7

Impaired myocardial lipid metabolism in phosphate depletion. Brautbar N, et al. **Kidney Int** 1984 Jul;26(1):18–23

Microinjection study of renal calcium absorption in the phosphate–depleted rat. Guruprakash GH, et al. **Miner Electrolyte Metab** 1985;11(4):262–6

[Tumoral hypophosphatemic osteomalacia] Santamaría Sandi J, et al. **Med Clin (Barc)** 1985 Jun 29;85(5):191–3 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Chronic osteomyelitis: monitoring by 99mTc phosphate and 67Ga citrate imaging. Alazraki N, et al. **AJR** 1985 Oct; 145(4):767–71

Oral phosphate–loading test for the assessment of distal urinary acidification in children. Vallo A, et al. **Miner Electrolyte Metab** 1984;10(6):387–90

Oral phosphate load unmasks underlying renal phosphate leak in symptomatic and asymptomatic members of family with idiopathic hypercalciuria. Juan D. **Urology** 1985 Jul; 26(1):22–6

ISOLATION & PURIFICATION

[Semi–technical experiments for elimination of phosphates from sewage–treatment–plant disposal] Wiesmann U, et al. **Schriftenr Ver Wasser Boden Lufthyg** 1984;57:55–74 **(Ger)**

METABOLISM

Composition of amino acid phosphates in phosphorylated G–actin of rabbit skeletal muscle. Fazekas S, et al. **Acta Physiol Hung** 1985;66(1):69–76

Phosphate intestinal secretion and absorption by isolated ileal loop: effects of cholecalciferol and diet phosphate. Pereira R, et al. **Acta Physiol Pharmacol Latinoam** 1984; 34(4):419–26

Calcium and phosphate metabolism in sarcoidosis. Alberts C, et al. **Adv Exp Med Biol** 1984;178:405–9

Role of c–AMP and NAD in the regulation of Na+–dependent phosphate transport across rat renal brush border membranes. Biber J, et al. **Adv Exp Med Biol** 1984; 178:49–57

Influence of temperature on phosphate uptake by renal brush border membrane vesicles. Brunette MG, et al. **Adv Exp Med Biol** 1984;178:29–32

The relationship between body phosphate and blood pressure. Campese VM, et al. **Adv Exp Med Biol** 1984;178:271–4

Vitamin D activates (Na+–K+)ATPase: a possible regulation of phosphate and calcium uptake by cultured embryonic chick small intestine. Cross HS, et al. **Adv Exp Med Biol** 1984;178:163–71

Effects of pH and sodium on phosphate transport across brush border membrane vesicles of small intestine. Danisi G, et al. **Adv Exp Med Biol** 1984;178:173–80

Intracellular processes that affect renal phosphate transport. Dennis VW, et al. **Adv Exp Med Biol** 1984;178:21–4

Comparison of the effect of nucleotides on phosphate transport in renal brush border membrane vesicles and intact proximal tubules. Fine LG, et al. **Adv Exp Med Biol** 1984;178:69–72

Glucocorticoid–induced inhibition of the reabsorption of inorganic phosphate in the proximal tubule in the absence of parathyroid hormone. Frick A, et al. **Adv Exp Med Biol** 1984;178:81–6

Dissociation of absorptions of calcium and phosphate in different pathophysiological states in man. Gennari C, et al. **Adv Exp Med Biol** 1984;178:195–204

Biochemical studies of the control of renal tubular phosphate reabsorption. Grahn MF, et al. **Adv Exp Med Biol** 1984; 178:41–8

The biochemical modifications of the brush border membrane induced by vitamin D and parathyroid hormone in their actions on phosphate transport. Hruska K, et al. **Adv Exp Med Biol** 1984;178:3–19

Direct in vitro effects of 1,25 (OH)2 vitamin D3 on phosphate transport in isolated enterocytes from normal or vitamin D deficient rats. Karsenty G, et al. **Adv Exp Med Biol** 1984;178:181–8

1,25–Dihydroxyvitamin D3 stimulates calcium and phosphate absorption by different mechanisms: contrasting requirements for sodium. Lee DB, et al. **Adv Exp Med Biol** 1984;178:189–93

Calcium (Ca) mediated phosphate (PO4) transport in the proximal convoluted tubule (PCT) of the rabbit. Rouse D, et al. **Adv Exp Med Biol** 1984;178:77–9

The usefulness of isolated renal cortical cells to study phosphate transport. Tessitore N, et al. **Adv Exp Med Biol** 1984;178:73–6

Effect of 1,25–dihydroxycholecalciferol on the extra–renal handling of inorganic phosphate in thyroparathyroidectomized but not in intact rats. Troehler U, et al. **Adv Exp Med Biol** 1984;178:87–91

Gluconeogenesis, cytosolic redox potential, and phosphate and fluid transport in the isolated rabbit proximal tubule. Yanagawa N, et al. **Adv Exp Med Biol** 1984;178:59–68

Alterations in the distribution of high–energy phosphates during ischemia in a canine model of reperfusion–induced ventricular fibrillation. Hale SL, et al. **Am Heart J** 1985 Sep;110(3):590–4

Effect of pH on phosphate transport in rat renal brush border membrane vesicles. Amstutz M, et al. **Am J Physiol** 1985 May;248(5 Pt 2):F705–10

Interactions between phosphate and oxidative metabolism in proximal renal tubules. Brazy PC, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):F575–81

Effect of aluminum on the renal handling of phosphate in the rat. Burnatowska–Hledin M, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):F64–9

Stimulation of phosphate transport in the proximal tubule by metabolic substrates. Gullans SR, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):F582–7

Insulin stimulates Pi transport in brush border vesicles from proximal tubular segments. Hammerman MR, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E616–24

Synthetic atrial natriuretic factor decreases renal tubular phosphate reabsorption in rats. Hammond TG, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F315–8

Tubular capacity for phosphate reabsorption in superficial and deep nephrons. Haramati A. **Am J Physiol** 1985 May; 248(5 Pt 2):F729–33

Early effects of vitamin D metabolites on phosphate fluxes in isolated rat enterocytes. Karsenty G, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G40–5

31P–nuclear magnetic resonance analysis of perfused single frog skins. Lin LE, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C177–80

Renal apical membrane cholesterol and fluidity in regulation of phosphate transport. Molitoris BA, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):F12–9

Phosphate uptake by proximal cells isolated from rabbit kidney: role of dexamethasone. Poujeol P, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):F74–83

Phosphate transport in intestinal brush–border membrane vesicles: effect of pH and dietary phosphate. Quamme GA. **Am J Physiol** 1985 Aug;249(2 Pt 1):G168–76

Uptake of Pi in basolateral vesicles after release of unilateral ureteral obstruction. Schwab SJ, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):F543–7

The phosphate–pyrophosphate exchange and hydrolytic reactions of the membrane–bound pyrophosphatase of Rhodospirillum rubrum: effects of Mg2+, phosphate, and pyrophosphate. Celis H, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):766–74

Phosphate uptake by kidney epithelial (LLC–PK1) cells. Noronha–Blob L, et al. **Arch Biochem Biophys** 1984 Oct; 234(1):265–74

Differential effects of triphenyltin and 8–azido–ATP on the ATP synthesis, ATP–Pi exchange, and ATP hydrolysis in liposomes containing ATP synthase and bacteriorhodopsin. Van der Bend RL, et al.

WARK PUBLIC LIBRAR

Arch Biochem Biophys 1985 Sep;241(2):461-71

Normal handling of phosphate in the salivary glands of X-linked hypophosphataemic mice. Delzer PR, et al. **Arch Oral Biol** 1984;29(12):1009-13

Uncoupler- and hypoxia-induced damage in the working rat heart and its treatment. I. Observations with uncouplers of oxidative phosphorylation. Veit P, et al. **Basic Res Cardiol** 1985 Mar-Apr;80(2):107-15

Reconstitution of phosphate-linked antiport from Streptococcus lactis. Ambudkar SV, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):568-75

Regulation of (Na+ +K+)-ATPase by inorganic phosphate: pH dependence and physiological implications. Huang WH, et al. **Biochem Biophys Res Commun** 1984 Sep 17; 123(2):438-43

A new method for the simultaneous estimation of phosphate efflux and influx during glucose stimulation of isolated pancreatic islets. Johnson RC, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):862-7

Thiophosphorylation and phosphorylation of chromatin proteins from calf thymus in vitro. Palvimo J, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):103-8

Phosphate ion inactivation of rabbit skeletal muscle aldolase in the crystalline state. Sygusch J, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):417-23

Possible role of calcium mediators in parathyroid hormone action on phosphate transport in rabbit renal brush border membrane. Yanagawa N, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):278-84

Elevated phosphate transporting activity and phosphate carrier content in mitochondria of rat hepatoma with high glycolytic capacity. Tkáčová E, et al. **Biochem Int** 1985 Jul;11(1):45-50

Phosphorylation status of liver by 31P-n.m.r. spectroscopy, and its implications for metabolic control. A comparison of 31P-n.m.r. spectroscopy (in vivo and in vitro) with chemical and enzymic determinations of ATP, ADP and Pi. Iles RA, et al. **Biochem J** 1985 Jul 1;229(1):141-51

Some hormonal effects on myocardial phosphate efflux. Medina G, et al. **Biochem J** 1984 Nov 15;224(1):153-62

Effect of sucrose starvation on sycamore (Acer pseudoplatanus) cell carbohydrate and Pi status. Rébeillé F, et al. **Biochem J** 1985 Mar 15;226(3):679-84

Interaction of magnesium and inorganic phosphate with calcium-deprived sarcoplasmic reticulum adenosinetriphosphatase as reflected by organic solvent induced perturbation. Champeil P, et al. **Biochemistry** 1985 Jan 1;24(1):69-81

Enzyme phosphorylation with inorganic phosphate causes Ca2+ dissociation from sarcoplasmic reticulum adenosinetriphosphatase. de Meis L, et al. **Biochemistry** 1985 Feb 12;24(4):922-5

Sarcoplasmic reticulum adenosinetriphosphatase phosphorylation from inorganic phosphate. Theoretical and experimental reinvestigation. Guillain F, et al. **Biochemistry** 1984 Sep 25;23(20):4754-61

Further investigations on the inorganic phosphate binding site of beef heart mitochondrial F1-ATPase. Pougeois R, et al. **Biochemistry** 1985 Feb 12;24(4):1020-4

Specific dicyclohexylcarbodiimide inhibition of the E-P + H2O equilibrium E + Pi reaction and ATP equilibrium Pi exchange in sarcoplasmic reticulum adenosinetriphosphatase. Scofano HM, et al. **Biochemistry** 1985 Feb 12;24(4):1025-9

Incorporation of 32P into phospholipids in vivo during compensatory renal growth. Banfić H, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):223-8

Protein phosphorylation in intact pig leukocytes. Irita K, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):44-52

Effects of fasting compared to low phosphorus diet on the kinetics of phosphate transport by renal brush-border membranes. Kempson SA. **Biochim Biophys Acta** 1985 Apr 26;815(1):85-90

Mechanism of stimulation of renal phosphate transport by 1,25-dihydroxycholecalciferol. Kurnik BR, et al. **Biochim Biophys Acta** 1985 Jul 11;817(1):42-50

31P-NMR studies of metabolite compartmentation in Fasciola hepatica. Matthews PM, et al. **Biochim Biophys Acta** 1985 May 30;845(2):178-88

Uptake of spermine by rat liver mitochondria and its influence on the transport of phosphate. Toninello A, et al. **Biochim Biophys Acta** 1985 May 28;815(3):399-404

Studies of phosphorus metabolism by isolated nuclei. XII. Some fundamental properties of the incorporation of 32Pi into polyphosphate by rat liver nuclei. Penniall R, et al. **Biosci Rep** 1984 Nov;4(11):957-62

Effect of hypophysectomy on intestinal phosphate absorption in rats. Aloia JF, et al. **Bone** 1985;6(2):73-7

The deposition of calcium pyrophosphate and phosphate by matrix vesicles isolated from fetal bovine epiphyseal cartilage. Hsu HH, et al. **Calcif Tissue Int** 1984 Sep; 36(5):615-21

Interrelation of cortisone and 1,25 dihydroxycholecalciferol on intestinal calcium and phosphate absorption. Yeh JK, et al. **Calcif Tissue Int** 1984 Sep;36(5):608-14

Phosphate distribution and transport in mycoplasma. Lajeunesse D, et al. **Can J Biochem Cell Biol** 1984 Nov; 62(11):1041-5

Renal brush border membranes from mice with X-linked hypophosphatemia: protein composition, phosphate binding capacity, and protein kinase activity. Brunette MG, et al. **Can J Physiol Pharmacol** 1984 Nov;62(11):1394-400

Lack of effect of sodium lauryl sulfate on fluoride uptake by artificial caries lesions in vivo (short communication). Mellberg JR, et al. **Caries Res** 1984;18(5):478-80

Metabolite channeling: a phosphorylcreatine shuttle to mediate high energy phosphate transport between sperm mitochondrion and tail. Tombes RM, et al. **Cell** 1985 May; 41(1):325-34

Phosphate metabolites and organ preservation: 31P NMR study on rat kidney. Manganaro M, et al. **Cell Mol Biol** 1985;31(2):89-96

Cerebral high energy phosphates after hypoxic-hypotension: effect of verapamil and nifedipine. Proctor HJ, et al. **Circ Shock** 1984;14(2):107-12

Familial hypocalciuric hypercalcaemia I: Renal handling of calcium, magnesium and phosphate. Kristiansen JH, et al. **Clin Endocrinol (Oxf)** 1985 Jan;22(1):103-16

Calculated distribution of various inorganic phosphate constituents in body fluids, based on the principles of complex equilibria. Sarkozi L, et al. **Clin Physiol Biochem** 1984;2(5):221-6

Sodium-dependent absorption of inorganic phosphate by the carp intestine. Nakamura Y. **Comp Biochem Physiol [A]** 1985;80(3):437-9

In vitro absorption of inorganic phosphate and other electrolytes in the carp intestine. Nakamura Y. **Comp Biochem Physiol [A]** 1985;80(1):17-20

Phosphate transport by jejunal brush border membrane vesicles of the streptozocin-diabetic rat. Ghishan FK, et al. **Diabetes** 1985 Aug;34(8):723-7

Absence of alkaline phosphatase-linked inorganic phosphate transport in the chick jejunum. Valinietse MY, et al. **Digestion** 1985;31(4):182-8

Thyroid hormones increase renal brush border membrane transport of phosphate in X-linked hypophosphatemic (Hyp) mice. Kiebzak GM, et al. **Endocrinology** 1985 Aug; 117(2):613-9

Modulatory effect of thyroid hormones on uptake of phosphate and other solutes across luminal brush border membrane of kidney cortex. Yusufi AN, et al. **Endocrinology** 1985 Jun;116(6):2438-49

Phosphate transport in Pseudomonas aeruginosa. Involvement of a periplasmic phosphate-binding protein. Poole K, et al. **Eur J Biochem** 1984 Nov 2;144(3):607-12

ADP-ribosylation of phosphorylase kinase and block of phosphate incorporation into the enzyme. Tsuchiya M, et al. **Eur J Biochem** 1985 Feb 15;147(1):33-40

Altered phosphate metabolism in the intact rabbit lens under high glucose conditions and its prevention by an aldose reductase inhibitor. González RG, et al. **Exp Eye Res** 1984 Nov;39(5):553-62

Tightly bound nucleotides affect phosphate binding to mitochondrial F1-ATPase. Kozlov IA, et al. **FEBS Lett** 1985 Mar 25;182(2):425-8

Solubilized monomeric sarcoplasmic reticulum Ca pump protein. Phosphorylation by inorganic phosphate. Martin DW, et al. **FEBS Lett** 1984 Nov 5;177(1):146-50

Phosphate-binding sequences in nucleotide-binding proteins. Möller W, et al. **FEBS Lett** 1985 Jul 1;186(1):1-7 (67 ref.)

Lack of a direct role for cyclic AMP in parathyrin action on phosphate reabsorption by the kidney. Parveen R, et al. **FEBS Lett** 1984 Oct 15;176(1):220-2

Calcium efflux parallel to total phosphate retention in rat liver mitochondria. Rigoni F, et al. **Int J Biochem** 1984; 16(11):1121-5

Distribution of phosphatic metabolites in the crystalline lens. Greiner JV, et al. **Invest Ophthalmol Vis Sci** 1985 Apr; 26(4):537-44

Salmonella typhimurium contains an anion-selective outer membrane porin induced by phosphate starvation. Bauer K, et al. **J Bacteriol** 1985 Feb;161(2):813-6

Pi exchange mediated by the GlpT-dependent sn-glycerol-3-phosphate transport system in Escherichia coli. Elvin CM, et al. **J Bacteriol** 1985 Mar;161(3):1054-8

Regulation of the phosphate regulon in Escherichia coli K-12: regulation of the negative regulatory gene phoU and identification of the gene product. Nakata A, et al. **J Bacteriol** 1984 Sep;159(3):979-85

Levels of cyclic-2,3-diphosphoglycerate in Methanobacterium thermoautotrophicum during phosphate limitation. Seely RJ, et al. **J Bacteriol** 1984 Oct;160(1):50-4

Phosphate-specific transport system of Escherichia coli: nucleotide sequence and gene-polypeptide relationships. Surin BP, et al. **J Bacteriol** 1985 Jan;161(1):189-98

Role of alkaline phosphatase in phosphate uptake into brush border membrane vesicles from human intestinal mucosa. Hirano K, et al. **J Biochem (Tokyo)** 1985 May;97(5):1461-6

Phosphate transport, membrane potential, and movements of calcium in rat liver mitochondria. Ligeti E, et al. **J Bioenerg Biomembr** 1984 Apr;16(2):101-13

Effects of perturbants on the pink (reduced) active form of uteroferrin. Phosphate-induced anaerobic oxidation. Antanaitis BC, et al. **J Biol Chem** 1985 Jan 25;260(2):751-6

In situ biochemical studies of intestinal alkaline phosphatase in normal and phosphate-depleted rats by microdensitometry. Bader CA, et al. **J Biol Chem** 1984 Oct 10;259(19):11658-61

A phosphorus-31 nuclear magnetic resonance study of phosphate uptake and storage in cultured Catharanthus roseus and Daucus carota plant cells. Brodelius P, et al. **J Biol Chem** 1985 Mar 25;260(6):3556-60

Vit C.Fe(III) induced loss of the covalently bound phosphate and enzyme activity of phosphoglucomutase. Deshpande VV, et al. **J Biol Chem** 1985 Jan 25;260(2):757-64

The distribution of inorganic phosphate and malate between intra- and extramitochondrial spaces. Relationship with the transmembrane pH difference. Greenbaum NL, et al. **J Biol Chem** 1985 Jan 25;260(2):873-9

Oxygen exchange between phosphate and water accompanies calcium-regulated ATPase activity of skinned fibers from rabbit skeletal muscle. Hibberd MG, et al. **J Biol Chem** 1985 Mar 25;260(6):3496-500

Release of the variable surface coat glycoprotein from Trypanosoma brucei requires the cleavage of a phosphate ester. Jackson DG, et al. **J Biol Chem** 1985 Apr 25; 260(8):5179-83

In vivo phosphorylation of liver glycogen synthase. Isolation of the 32P-labeled enzyme and studies on the nature of the bound [32P]phosphates. Tan AW, et al. **J Biol Chem** 1985 Apr 25;260(8):4751-7

Preservation of high energy phosphates in hypertrophied human myocardium. Scheld HH, et al. **J Cardiovasc Surg (Torino)** 1985 Mar-Apr;26(2):191-5

Dissociation between the effects of endogenous parathyroid hormone on adenosine 3',5'-monophosphate generation and phosphate reabsorption in hypocalcemia due to vitamin D depletion: an acquired disorder resembling pseudohypoparathyroidism type II. Rao DS, et al. **J Clin Endocrinol Metab** 1985 Aug;61(2):285-90

Modulation of phosphate absorption by calcium in the rabbit proximal convoluted tubule. Rouse D, et al. **J Clin Invest** 1985 Aug;76(2):630-6

Characterization and analysis of an apparent autophosphorylation of chicken gizzard myosin light chain kinase. Foyt HL, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(2):143-55

25-Hydroxycholecalciferol as an antagonist of adverse corticosteroid effects on phosphate and calcium metabolism in man. Nuti R, et al. **J Endocrinol Invest** 1984 Oct; 7(5):445-8

Nucleotide sequence of the genes involved in phosphate transport and regulation of the phosphate regulon in Escherichia coli. Amemura M, et al. **J Mol Biol** 1985 Jul 20;184(2):241-50

Regulation of the phosphate regulon of Escherichia coli K-12: regulation and role of the regulatory gene phoR. Makino K, et al. **J Mol Biol** 1985 Jul 20;184(2):231-40

Effect of hypoglycemic encephalopathy upon amino acids, high-energy phosphates, and pHi in the rat brain in vivo: detection by sequential 1H and 31P NMR spectroscopy. Behar KL, et al. **J Neurochem** 1985 Apr;44(4):1045-55

P-31 nuclear magnetic resonance analysis of brain: II. Effects of oxygen deprivation on isolated perfused and nonperfused rat brain. Kopp SJ, et al. **J Neurochem** 1984 Dec; 43(6):1716-31

Regulation of phosphate incorporation into four brain phosphoproteins that are affected by experience. Lyn-Cook BD, et al. **J Neurochem** 1985 Feb;44(2):552-9

Effect of lactose on phosphate transport into rat intestinal brush border membrane vesicles. Debiec H, et al. **J Nutr** 1985 Sep;115(9):1168-72

Calcium and phosphate metabolism in children with idiopathic hypoparathyroidism or pseudohypoparathyroidism: effects of 1,25-dihydroxyvitamin D3. Chan JC, et al. **J Pediatr** 1985 Mar;106(3):421-6

Incorporation and toxicity of 32P-orthophosphate and occurrence of polyphosphate in Entamoeba trophozoites. López-Revilla R, et al. **J Protozool** 1985 May;32(2):353-5

Effect of severe injury and critical illness on high-energy phosphates in human liver and muscle. Liaw KY, et al. **J Trauma** 1985 Jul;25(7):628-33

Effect of injury, sepsis, and parenteral nutrition on high-energy phosphates in human liver and muscle. Liaw KY. **JPEN** 1985 Jan-Feb;9(1):28-33

Effects of vitamin D on renal handling of calcium, magnesium and phosphate in the hamster. Burnatowska MA, et al. **Kidney Int** 1985 Jun;27(6):864-70

Phosphate transport by brushborder membranes from superficial and juxtamedullary cortex. Turner ST, et al. **Kidney Int** 1985 Jun;27(6):879-85

Brain protein phosphorylation in vitro: selective substrate action of insulin. Akers RF, et al. **Life Sci** 1984 Aug 20; 35(8):809-13

An in vivo study of muscle phosphate metabolism in Becker's dystrophy by 31P NMR spectroscopy. Newman RJ. **Metabolism** 1985 Aug;34(8):737-40

The effect of the locus pstB on phosphate binding in the phosphate specific transport (PST) system of Escherichia coli. Levitz R, et al. **MGG** 1985;200(1):118-22

Cloning of phoM, a gene involved in regulation of the synthesis of phosphate limitation inducible proteins in Escherichia coli K12. Tommassen J, et al. **MGG** 1984; 195(1-2):190-4

Gluconeogenesis and phosphate reabsorption in isolated lactate- or pyruvate-perfused rat kidneys. Baines AD, et al. **Miner Electrolyte Metab** 1984;10(5):286-91

Effects of 1,25-dihydroxyvitamin D3 on membrane transport and intermediary metabolism. Egel J, et al. **Miner Electrolyte Metab** 1985;11(1):62-8

Role of substrates and nucleotides in phosphate uptake by rabbit renal cortical cells. Sakhrani LM, et al. **Miner Electrolyte Metab** 1984;10(6):391-7

Diurnal rhythms in calcium and phosphate metabolism in rodents and their relations to lighting and feeding schedules. Shinoda H, et al. **Miner Electrolyte Metab** 1985; 11(3):158–66

Cytosolic redox potential and phosphate transport in the proximal tubule of the rabbit. A study in the isolated perfused tubules. Yanagawa N, et al. **Miner Electrolyte Metab** 1985;11(1):57–61

Effect of cortisone on jejunal phosphate absorption in hypophysectomized rats. Yeh JK, et al. **Miner Electrolyte Metab** 1984;10(6):398–403

Mechanism of rapid phosphate (Pi) transport adaptation to a single low Pi meal in rat renal brush border membrane. Caverzasio J, et al. **Pflugers Arch** 1985 Jul;404(3):227–31

PTH independent sex difference in renal handling of inorganic phosphate in the rat: effect of oophorectomy. Frick A, et al. **Pflugers Arch** 1985 May;404(2):172–7

Phosphate fluxes in isolated enterocytes from vitamin D replete and vitamin D deficient rats––early effects of calcitriol. Karsenty G, et al. **Pflugers Arch** 1985 Feb; 403(2):151–5

Concentration dependence of the unidirectional sulfate and phosphate flux in human red cell ghosts under selfexchange and under homoexchange conditions. Schnell KF, et al. **Pflugers Arch** 1984 Oct;402(2):197–206

Renal handling of phosphate. Mizgala CL, et al. **Physiol Rev** 1985 Apr;65(2):431–66

Effect of parathyroid hormone on total phosphate and inorganic phosphate in blood, plasma, and urine of domestic fowl. Klinefelter BB, et al. **Poult Sci** 1984 Nov; 63(11):2285–91

Favourable effects of bicarbonate dialysis on the body pool of phosphate. Mastrangelo F, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:215–20

Evidence that the Mg-dependent low-affinity binding site for ATP and Pi demonstrated on the isolated beta subunit of the F0.F1 ATP synthase is a catalytic site. Khananshvili D, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1886–90

Epithelial calcium and phosphate transport. Molecular and cellular aspects. Proceedings of the Second International Workshop on Calcium and Phosphate Across Biomembranes. Vienna, Austria, March 5–7, 1984. **Prog Clin Biol Res** 1984;168:1–392

Renal calcium and phosphate handling in the spontaneously hypertensive rat and normotensive Wistar-Kyoto control rat. Bindels RJ, et al. **Prog Clin Biol Res** 1984;168:369–74

Kinetics of phosphate uptake by brush border membranes (BBM) from superficial and deep cortex. Brunette MG, et al. **Prog Clin Biol Res** 1984;168:319–24

Sodium-dependent inorganic phosphate (Pi) transport and adaptation to low Pi concentration medium in LLC-PK1 cells. Caverzasio J, et al. **Prog Clin Biol Res** 1984;168:315–8

Hormonal and ionic control of phosphate transport in the differentiating enterocyte. Cross HS, et al. **Prog Clin Biol Res** 1984;168:247–52

Phosphate transport across brush border and basolateral membrane vesicles of small intestine. Danisi G, et al. **Prog Clin Biol Res** 1984;168:229–34

Effect of lactose on intestinal phosphate transport. Debiec H, et al. **Prog Clin Biol Res** 1984;168:241–5

Vitamin D activates intestinal Na+/Pi transport by differential effects on luminal membrane and carrier properties. Fuchs R, et al. **Prog Clin Biol Res** 1984; 168:235–40

Phosphate transport in the kidney, studies with isolated membrane vesicles. Hammerman MR, et al. **Prog Clin Biol Res** 1984;168:325–30

Possible mechanisms for the regulation of the Pi transport in brush border membrane vesicles. Malmström K, et al. **Prog Clin Biol Res** 1984;168:331–6

Calcium, sodium, phosphate and arsenate transport in cells and vesicles of Escherichia coli. Rosen BP, et al. **Prog Clin Biol Res** 1984;168:219–26

Phosphate excretion and reabsorption in the conscious dog. Summerill RA, et al. **Q J Exp Physiol** 1985 Apr; 70(2):169–76

In vitro phosphorylation of rat kidney proximal tubular brush border membranes. Biber J, et al. **Renal Physiol** 1985; 8(1):19–29

Effects of phosphate and calcium infusion on renal phosphate transport in the dog. Wong NL, et al. **Renal Physiol** 1985; 8(1):30–7

Myocardial pyruvate, lactate, and orthophosphate contents under different postischemic conditions. A study in a paracorporeal rat heart model. Hultman J, et al. **Scand J Thorac Cardiovasc Surg** 1985;19(1):69–76

The surgical treatment of mixed phosphatic renal lithiasis. Long-term follow-up. Roed-Petersen K, et al. **Scand J Urol Nephrol** 1984;18(3):211–3

Noninvasive study of high-energy phosphate metabolism in human heart by depth-resolved 31P NMR spectroscopy. Bottomley PA. **Science** 1985 Aug 23;229(4715):769–72

Phosphate release and force generation in skeletal muscle fibers. Hibberd MG, et al. **Science** 1985 Jun 14; 228(4705):1317–9

Recovery of left ventricular function after graded cardiac ischemia as predicted by myocardial P-31 nuclear magnetic resonance. Whitman GJ, et al. **Surgery** 1985 Apr; 97(4):428–35

[Protein and phosphate in our diet and progressive skeletal decalcification in postmenopausal women] Jonxis JH. **Ned Tijdschr Geneeskd** 1985 Jan 19;129(3):110–3 (Eng Abstr.) **(Dut)**

[Synthesis of alkaline phosphatase in a stringent and a relaxed strain of Escherichia coli under amino acid and phosphate limitation] Hecker M, et al. **J Basic Microbiol** 1985; 25(5):341–7 (Eng. Abstr.) **(Ger)**

[Kinetic studies of Na+ dependent phosphate transport in renal brush border membrane vesicles] Nagasawa M, et al. **Nippon Jinzo Gakkai Shi** 1985 Jan;27(1):71–8 (Eng. Abstr.) **(Jpn)**

[Abnormal membrane transport in brush border disease. a. Re-absorption problem in the kidney tubules] Koide H. **Nippon Rinsho** 1985 Apr;43(4):799–803 **(Jpn)**

[Effect of health resort treatment on carbohydrate and calcium and phosphate metabolism] Kokot F, et al. **Pol Tyg Lek** 1984 Apr 9;39(15):493–5 (Eng. Abstr.) **(Pol)**

[Hydrochlorothiazide and chlorthalidone in the treatment of patients with calcium-phosphate disorders] Sawicki A, et al. **Pol Tyg Lek** 1984 Jul 16–23;39(29–30):993–7 (Eng. Abstr.) **(Pol)**

[Regulation of the renal excretion of phosphates. Use of isolated vesicles of luminal membranes for the study of phosphate transport] Angielski S. **Postepy Biochem** 1984; 30(3–4):273–94 (95 ref.) **(Pol)**

[Substrate specificity of T4 RNA-ligase. The effect of the nucleotide sequence of the minimum phosphate acceptor on the efficacy of intermolecular ligation] Maĭstrenko VF, et al. **Bioorg Khim** 1984 Apr;10(4):498–505 (Eng. Abstr.) **(Rus)**

[Effect of vitamin D on inorganic phosphorus transport and alkaline phosphatase activity of the small intestine of chickens] Galvanovskiĭ IuIa, et al. **Fiziol Zh SSSR** 1985 Feb;71(2):243–7 (Eng. Abstr.) **(Rus)**

[Phosphate and glucose accumulation by Pseudomonas cultures in relation to their arsenic resistance] Mynbaeva BN, et al. **Mikrobiologiia** 1984 Sep–Oct;53(5):822–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of phosphate anions and some divalent metal cations on phosphoenolpyruvate carboxykinase. Comparison of liver and kidney enzyme. Karczmarewicz E, et al. **Acta Biochim Pol** 1984;31(3):329–39

Inorganic phosphate, pyrophosphate and the diphosphonates activate bone (calvaria) glutaminase. Biltz RM, et al. **Adv Exp Med Biol** 1984;178:217–21

Phosphate loading attenuates renal tubular dysfunction induced by maleic acid in the dog. Al-Bander H, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):F513–21

Phosphate excretion in uremic rats: effects of parathyroidectomy and phosphate restriction. Kraus E, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):F175–82

Insensitivity of erythrocyte 2,3-bisphosphoglycerate to changes in extracellular phosphate concentration in vitro. Ryall RG, et al. **Ann Clin Biochem** 1985 May;22 (Pt 3):291–6

Repression and inhibition of cephalosporin synthetases in Streptomyces clavuligerus by inorganic phosphate. Lübbe C, et al. **Arch Microbiol** 1985 Jan;140(4):317–20

Effects of lysophospholipids on Ca2+ transport in rat liver mitochondria incubated at physiological Ca2+ concentrations in the presence of Mg2+, phosphate and ATP at 37 degrees C. Dalton S, et al. **Biochem J** 1984 Dec 1;224(2):423–30

Comparison of the phosphate-dependent glutaminase obtained from rat brain and kidney. Haser WG, et al. **Biochem J** 1985 Jul 15;229(2):399–408

The regulation of phosphate-activated glutaminase activity and glutamine metabolism in the streptozotocin-diabetic rat. Watford M, et al. **Biochem J** 1984 Nov 15;224(1):207–14

Polyphosphate-mediated protection from cellular intoxication with Clostridium difficile toxin B. Florin I, et al. **Biochim Biophys Acta** 1984 Oct 12;805(2):131–6

On the state of calcium ions in isolated rat liver mitochondria IV. Prevention of phosphate-induced mitochondrial destruction by ruthenium red-insensitive calcium release. Blaich G, et al. **Biol Chem Hoppe Seyler** 1985 May; 366(5):515–9

Influence of inorganic phosphate on the kinetic properties of yeast phosphofructokinase. Przybylski F, et al. **Biomed Biochim Acta** 1984;43(10):1083–9

Liver preservation. Toledo-Pereyra LH. **Bol Asoc Med PR** 1985 Jan;77(1):2–5

The relationship between anticaries activity of monofluorophosphate dentifrices and their performances in laboratory tests. Duke SA, et al. **Caries Res** 1985; 19(3):284–8

Remineralization in vivo of artificial caries lesions by a monofluorophosphate dentifrice. Mellberg JR, et al. **Caries Res** 1985;19(2):126–35

Fusion of erythrocyte ghosts induced by calcium phosphate. Kinetic characteristics and the role of Ca2+, phosphate and calcium-phosphate complexes. Hoekstra D, et al. **Eur J Biochem** 1985 Jan 2;146(1):131–40

Phosphate dependency of phosphofructokinase 2. Laloux M, et al. **Eur J Biochem** 1985 Apr 1;148(1):155–9

Activation of yeast 6-phosphofructo-2 kinase by protein kinase and phosphate. Yamashoji S, et al. **FEBS Lett** 1984 Dec 10;178(2):253–6

Effect of phosphate levels on the synthesis of acid phosphatases (EC 3.1.3.2) in Neurospora crassa. Rodrigues SA, et al. **Genet Res** 1985 Jun;45(3):239–49

Restoration of blood 2,3-diphosphoglycerate levels in multi-transfused patients: effect of organic and inorganic phosphate. Iapichino G, et al. **Int Surg** 1984 Apr–Jun; 69(2):113–6

Regulatory role of phosphate and other anions in transport of ADP and ATP by Rickettsia prowazekii. Winkler HH, et al. **J Bacteriol** 1984 Oct;160(1):76–9

Influence of inorganic phosphate on the lipid synthesis of a phosphate-deregulated mutant of Streptomyces noursei. Hänel F, et al. **J Basic Microbiol** 1985;25(5):325–33

The separate effects of coenzyme components may not be additive. Roles of pyridoxal and inorganic phosphate in aspartate aminotransferase apoenzymes. Iriarte A, et al. **J Biol Chem** 1985 Jun 25;260(12):7457–63

The Escherichia coli adenylate cyclase complex. Stimulation by potassium and phosphate. Liberman E, et al. **J Biol Chem** 1985 Apr 10;260(7):4075–81

Effect of sodium bicarbonate and disodium phosphate on animal performance, ruminal metabolism, digestion, and rate of passage in ruminating calves. Hart SP, et al. **J Dairy Sci** 1984 Oct;67(10):2356–68

Dehydration and delayed proton equilibria of red blood cells suspended in isosmotic phosphate buffers. Implications for studies of sickled cells. Bookchin RM, et al. **J Lab Clin Med** 1984 Dec;104(6):855–66

Mineral flux of surface enamel and root surfaces in acidified gelatin gels. Feagin FF. **J Oral Pathol** 1984 Oct; 13(5):497–504

Possible mechanism behind the adjuvant action of phosphate derivatives on rectal absorption of cefoxitin in rats and dogs. Nishihata T, et al. **J Pharm Sci** 1984 Nov; 73(11):1523–5

Effect of a zinc phosphate suspension of a long-acting somatostatin analog on postprandial plasma glucose, triglyceride and glucagon concentrations in alloxan diabetic dogs. Martin C, et al. **Life Sci** 1984 Dec 24;35(26):2627–33

Influence of phosphate, sulfonic, and sulfamic acids on sulfoconjugate release in the vascularly perfused mouse small intestine. Wollenberg P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Apr; 329(2):195–200

Effects of phosphate and calcium infusion on renal phosphate transport in the dog. Wong NL, et al. **Renal Physiol** 1985; 8(1):30–7

Fluorine levels in in vitro remineralized enamel after treatment with 1000 ppm F as NaF, MFP or mixed solutions. Lodding A, et al. **Scand J Dent Res** 1985 Aug; 93(4):315–9

Hemolysis of donor red cells in 'two thirds-one third' solution [letter] Easton DJ, et al. **Transfusion** 1985 Jan–Feb; 25(1):85

Effect of phosphate on the biosynthesis of nourseothricin by Streptomyces noursei JA 3890b. Müller PJ, et al. **Z Allg Mikrobiol** 1984;24(8):555–64

[Intensification of tumor acidification in artificial hyperglycemia using inorganic phosphate] Osinski SP, et al. **Arch Geschwulstforsch** 1984;54(6):463–9 (Eng. Abstr.) **(Ger)**

[Effect of phosphate and inhibitors of protein synthesis on the growth and tentoxin production of Alternaria alternata (Fr.) Keissler] Edel B, et al. **J Basic Microbiol** 1985; 25(3):155–60 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Effects and interrelationships of PTH, Ca2+, vitamin D, and Pi in acid-base homeostasis. Hulter HN. **Am J Physiol** 1985 Jun;248(6 Pt 2):F739–52 (96 ref.)

Glucose and phosphate modulation of intracellular 45Ca incorporated into pancreatic islets during culture in the absence and presence of serum. Bergsten P. **Biomed Biochim Acta** 1985;44(1):89–93

Transient acute renal failure due to tumor-lysis-induced severe phosphate load in a patient with Burkitt's lymphoma. Monballyu J, et al. **Clin Nephrol** 1984 Jul;22(1):47–50

Regulation of ugp, the sn-glycerol-3-phosphate transport system of Escherichia coli K-12 that is part of the pho regulon. Schweizer H, et al. **J Bacteriol** 1985 Jul; 163(1):392–4

POISONING

A retrospective cohort mortality study of a phosphate fertilizer production facility. Stayner LT, et al. **Arch Environ Health** 1985 May–Jun;40(3):133–8

[Biochemical indicators of oxidation-reduction processes and energy potential in workers of the phosphate-processing industry] Beloskurskaia GI, et al. **Gig Tr Prof Zabol** 1985 Feb;(2):16–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Phosphate supplementation in parenteral nutrition. Pigon J, et al. **Acta Anaesthesiol Scand** 1985 Jan;29(1):50–4

Development of hypercalcemic hyperparathyroidism after long-term phosphate supplementation in hypophosphatemic osteomalacia. Report of two cases. Firth RG, et al. **Am J Med** 1985 Apr;78(4):669–73

Soluble calcium-enhanced remineralization of artificial caries lesions with monofluorophosphate. Mellberg JR, et al. **Caries Res** 1984;18(5):416–20

Treatment of severe hypophosphatemia. Kingston M, et al. **Crit Care Med** 1985 Jan;13(1):16–8

Use of oral phosphate to enhance visualization of enlarged parathyroids on scanning [letter] Gupta SM, et al. **J Nucl Med** 1985 Jan;26(1):100-1

Effectiveness of a dentifrice containing formalin and sodium monofluorophosphate on dental hypersensitivity. McFall WT Jr, et al. **J Periodontol** 1985 May;56(5):288-92

Effect of bicarbonate, phosphate, and saline lavage solutions on the dissolution of ferrous sulfate tablets. Czajka PA. **J Toxicol Clin Toxicol** 1984;22(5):447-53

[Phosphate therapy of recurrent calcium calculus disease. Current status] Schneider HJ, et al. **Fortschr Med** 1985 Feb 7;103(5):104-6 (Eng. Abstr.) **(Ger)**

TOXICITY

[X-ray analysis of bone in the mandibles of workers exposed to phosphorus and its inorganic compounds] Li QG, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 May;18(3):155-7 (Eng. Abstr.) **(Chi)**

URINE

Phosphaturia of aging: studies on mechanisms. Lee DB, et al. **Adv Exp Med Biol** 1984;178:103-8

Renal handling of phosphate during acute respiratory acidosis and alkalosis in the rat. Haramati A, et al. **Am J Physiol** 1984 Oct;247(4 Pt 2):F596-601

Phosphate excretion in uremic rats: effects of parathyroidectomy and phosphate restriction. Kraus E, et al. **Am J Physiol** 1985 Feb;248(2 Pt 2):F175-82

Developmental changes in the phosphaturic response to parathyroid hormone in the rat. Webster SK, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F251-5

Renal excretion of calcium and phosphate in preterm and term infants. Karlén J, et al. **J Pediatr** 1985 May;106(5):814-9

Hypophosphaturia impairs the renal defense against metabolic acidosis. Hulter HN. **Kidney Int** 1984 Sep;26(3):302-7

Oral phosphate load unmasks underlying renal phosphate leak in symptomatic and asymptomatic members of family with idiopathic hypercalciuria. Juan D. **Urology** 1985 Jul;26(1):22-6

[Areas of magnesium ammonium phosphate nucleation in sterile, alkaline or acid urine] Boistelle R, et al. **Nephrologie** 1984;5(5):217-21 **(Fre)**

[Reference values of sodium, potassium, calcium, chloride and inorganic phosphate excretion in 24-hour urine of healthy children] Liappis N, et al. **Klin Padiatr** 1984 Nov-Dec;196(6):367-9 (Eng. Abstr.) **(Ger)**

[Urinary phosphate and cyclic adenosine monophosphate response to intravenous administration of synthetic human parathyroid hormone-(1-34) in idiopathic hypoparathyroidism, pseudohypoparathyroidism, pseudopseudohypoparathyroidism and normal subjects] Fukami T, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Mar 20;60(3):159-70 (Eng. Abstr.) **(Jpn)**

[Muscle hypotonia in urinary tract infection and hyperphosphaturia in infants] Bittner K, et al. **Pediatr Pol** 1985 Feb;60(2):133-42 **(Pol)**

[Renal phosphate loss and idiopathic hypercalciuria] Martinez ME, et al. **Med Clin (Barc)** 1985 Apr 20;84(15):596-9 (Eng. Abstr.) **(Spa)**

PHOSPHATES, INORGANIC see **PHOSPHATES**

PHOSPHATES, ORGANIC see **ORGANOPHOSPHORUS COMPOUNDS**

PHOSPHATIDAL COMPOUNDS see **PLASMALOGENS**

PHOSPHATIDATE PHOSPHATASE see under **PHOSPHOMONOESTERASES**

PHOSPHATIDES see **PHOSPHOLIPIDS**

PHOSPHATIDIC ACIDS

Fusion of phospholipid vesicles induced by muscle glyceraldehyde-3-phosphate dehydrogenase in the absence of calcium. Morero RD, et al. **Biochemistry** 1985 Apr 9;24(8):1904-9

Ca2+-induced phase separation in black lipid membranes and its effect on the transport of a hydrophobic ion. Miller A, et al. **Biochim Biophys Acta** 1985 Mar 14;813(2):221-9

Divalent cation-induced phosphatidic acid membrane fusion. Effect of ion binding and membrane surface tension. Ohki S, et al. **Biochim Biophys Acta** 1985 Jan 10;812(1):147-54

Myelin basic protein induces hexagonal phase formation in dispersions of diacylphosphatidic acid. Smith R, et al. **Biochim Biophys Acta** 1985 Aug 27;818(2):275-9

Sodium-induced aggregation of phosphatidic acid and mixed phospholipid vesicles. Yoshimura T, et al. **Biochim Biophys Acta** 1985 Mar 14;813(2):167-73

Chemical properties and immunobiological activities of streptococcal lipoteichoic acids. Hamada S, et al. **Zentralbl Bakteriol Mikrobiol Hyg** [A] 1985 Apr;259(2):228-43

ANALYSIS

Estimation of acyldihydroxyacetone phosphate and lysophosphatidate in animal tissues. Das AK, et al. **Biochim Biophys Acta** 1984 Nov 14;796(2):178-89

Developmental changes in molecular species of phosphatidic acid in rat lung and liver during the perinatal stage. Kato H, et al. **Biochim Biophys Acta** 1984 Dec 6;796(3):262-8

The molecular species composition of diacyl-, alkylacyl- and alkenylacylglycerophospholipids in rabbit alveolar macrophages. High amounts of 1-O-hexadecyl-2-arachidonyl molecular species in alkylacylglycerophosphocholine. Nakagawa Y, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):323-9

31P-NMR studies of the oral pathogen Streptococcus mutans: observation of lipoteichoic acid. Roberts MF, et al. **Biochim Biophys Acta** 1985 May 30;845(2):242-8

D-Alanyl-substituted glycerol lipoteichoic acid in culture fluids of Streptococcus mutans strains GS-5 and BHT. Levine M, et al. **Infect Immun** 1984 Dec;46(3):870-2

BIOSYNTHESIS

Addition of xylitol to the growth medium of Streptococcus mutans OMZ 176--effect on the synthesis of extractable glycerol-phosphate polymers. Assev S, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Apr;93(2):145-9

Enhanced de novo synthesis of phosphatidic acid and phosphatidylinositol in rat pancreatic islets exposed to nutrient or neurotransmitter stimuli. Best L, et al. **Arch Biochem Biophys** 1984 Oct;234(1):253-7

Carbachol stimulation of phosphatidic acid synthesis: competitive inhibition by pirenzepine in synaptosomes from rat cerebral cortex. Smith TL, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):282-5

Phorbol 12-myristate, 13-acetate potentiates the action of the calcium ionophore in stimulating arachidonic acid release and production of phosphatidic acid in rabbit neutrophils. Volpi M, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):594-600

Glycerolipid labelling kinetics in isolated intact chloroplasts. Gardiner SE, et al. **Biochem J** 1984 Dec 1;224(2):637-43

Phosphatidylglycerol as biosynthetic precursor for the poly(glycerol phosphate) backbone of bifidobacterial lipoteichoic acid. Op den Camp HJ, et al. **Biochem J** 1985 Jun 15;228(3):683-8

De novo biosynthesis of docosahexaenoyl-phosphatidic acid in bovine retinal microsomes. Bazan HE, et al. **Biochim Biophys Acta** 1984 Oct 24;796(1):11-9

Effect of cortisol on the synthesis of lamellar body glycerophospholipids in fetal rabbit lung tissue in vitro. Mendelson CR, et al. **Biochim Biophys Acta** 1985 Mar 27;834(1):85-94

The molecular species of phosphatidic acid, diacylglycerol and phosphatidylcholine synthesized from sn-glycerol 3-phosphate in rat lung microsomes. Rüstow B, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):465-76

Effects of prostaglandins and luteinizing hormone-releasing hormone on phosphatidic acid-phosphatidylinositol labeling in rat granulosa cells. Minegishi T, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):320-4

Effect of culture pH on the D-alanine ester content of lipoteichoic acid in Staphylococcus aureus. MacArthur AE, et al. **J Bacteriol** 1984 Nov;160(2):792-3

Biosynthetic incorporation of cis-parinaric acid into radioactive sn-3-phosphatidic acid. Stuhne-Sekalec L, et al. **Prep Biochem** 1985;15(1-2):35-47

Angiotensin II rapidly increases phosphatidate-phosphoinositide synthesis and phosphoinositide hydrolysis and mobilizes intracellular calcium in cultured arterial muscle cells. Smith JB, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7812-6

BLOOD

Inositol lipids, phosphatidate and diacylglycerol share stearoylarachidonoylglycerol as a common backbone in thrombin-stimulated human platelets. Mauco G, et al. **Biochem J** 1984 Dec 15;224(3):933-40

Lysophosphatidic acid can activate platelets without increasing 32P-labelling of phosphatidic acid. Gerrard JM, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):487-92

Leukotriene B4 mobilizes calcium without the breakdown of polyphosphoinositides and the production of phosphatidic acid in rabbit neutrophils. Volpi M, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):5966-9

CHEMICAL SYNTHESIS

Synthesis of fluorescent and radiolabeled analogues of phosphatidic acid. Longmuir KJ, et al. **Chem Phys Lipids** 1985 Jan;36(3):197-207

IMMUNOLOGY

Antibodies to Staphylococcus aureus peptidoglycan and lipoteichoic acid in sera from blood donors and patients with staphylococcal infections. Wergeland H, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1984 Oct;92(5):265-9

Interaction of anti-kojibiose antibody with the lipoteichoic acids from Streptococcus faecalis and Streptococcus faecium. Kessler RE, et al. **Infect Immun** 1984 Oct;46(1):279-81

Immunochemical studies on the lipoteichoic acids of Bifidobacterium bifidum subsp. pennsylvanicum. Op den Camp HJ, et al. **J Gen Microbiol** 1985 Mar;131 (Pt 3):661-8

Characterization of a monoclonal antibody specific for lipoteichoic acid from various gram-positive bacteria. Hamada S, et al. **Microbiol Immunol** 1984;28(9):1009-21

ISOLATION & PURIFICATION

Structure of the lipoteichoic acids from Bifidobacterium bifidum spp. pennsylvanicum. Op den Camp HJ, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):301-13

METABOLISM

Lyso(bis)phosphatidic acid: a novel source of arachidonic acid for oxidative metabolism by rabbit alveolar macrophages. Cochran FR, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):800-6

Utilization of exogenous glycerophosphodiesters and glycerol 3-phosphate by inositol-starved yeast, Saccharomyces uvarum. Paltauf F, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):322-30

Molecular species of phosphatidylinositol, phosphatidic acid and diacylglycerol in a phytohemagglutinin-stimulated T-cell leukemia line. Sasaki T, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):316-22

Escherichia coli membrane vesicles with elevated phosphatidic acid levels. A detergent-free system for in vitro phospholipid synthesis. Sparrow CP, et al. **Biochim Biophys Acta** 1984 Dec 6;796(3):373-83

Enhanced turnover of arachidonic acid-containing species of phosphatidylinositol and phosphatidic acid of concanavalin A-stimulated lymphocytes. Sugiura T, et al. **Biochim Biophys Acta** 1984 Nov 14;796(2):190-8

The role of the phosphatidate-phosphoinositide cycle in the action of steroidogenic hormones. Farese RV. **Endocr Res** 1984-85;10(3-4):515-32 (52 ref.)

Absence of correlation between ACh-induced Ca influx and phosphatidic acid labeling in rat uterus. Ichida S, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):657-60

Vasopressin rapidly stimulates phosphatidic acid-phosphatidylinositol turnover in rat anterior pituitary cells. Raymond V, et al. **FEBS Lett** 1985 Mar 11;182(1):196-200

Interaction of bifidobacterial lipoteichoic acid with human intestinal epithelial cells. Op den Camp HJ, et al. **Infect Immun** 1985 Jan;47(1):332-4

Phosphatidate phosphatase in rat liver: the relationship between the activities with membrane-bound phosphatidate and aqueous dispersion of phosphatidate. Ide H, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):45-54

Phosphorylation, transbilayer movement, and facilitated intracellular transport of diacylglycerol are involved in the uptake of a fluorescent analog of phosphatidic acid by cultured fibroblasts. Pagano RE, et al. **J Biol Chem** 1985 Feb 10;260(3):1909-16

Ca(phosphatidate)2 can traverse liposomal bilayers. Chauhan VP, et al. **Life Sci** 1984 Sep 24;35(13):1395-9

[Formation of alpha-tocopherol complexes with phosphatidic acid] Erin AN, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):184-6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of lysophosphatidic acids and their structural analogs on arterial blood pressure of cats. Tokumura A, et al. **Arzneimittelforsch** 1985;35(3):287-92

Lysophosphatidic acid can activate platelets without increasing 32P-labelling of phosphatidic acid. Gerrard JM, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):487-92

Phosphatidic acid as a calcium ionophore in large unilamellar vesicle systems. Nayar R, et al. **Biochim Biophys Acta** 1984 Nov 7;777(2):343-6

Stimulation of (Ca2+ + Mg2+)-ATPase activity in human erythrocyte membranes by synthetic lysophosphatidic acids and lysophosphatidylcholines. Effects of chain length and degree of unsaturation of the fatty acid groups. Tokumura A, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):568-74

The use of lipoteichoic acid (LTA) from Streptococcus pyogenes to induce a serum factor causing tumour necrosis. Yamamoto A, et al. **Br J Cancer** 1985 May;51(5):739-42

Interaction of the pneumococcal amidase with lipoteichoic acid and choline. Briese T, et al. **Eur J Biochem** 1985 Jan 15;146(2):417-27

Activation of the alternative complement pathway by pneumococcal lipoteichoic acid. Hummell DS, et al. **Infect Immun** 1985 Feb;47(2):384-7

Pretreatment with lipoteichoic acid sensitizes target cells to antibody-dependent cellular cytotoxicity in the presence of anti-lipoteichoic acid antibodies. Lopatin DE, et al. **Infect Immun** 1985 Jun;48(3):638-43

Effects of extracellular plaque components on the chlorhexidine sensitivity of strains of Streptococcus mutans and human dental plaque. Wolinsky LE, et al. **J Dent Res** 1985 Aug;64(8):1051-4

Calcium-dependent atrial slow action potentials generated with phosphatidic acid or phospholipase D. Knabb MT, et al. **Pflugers Arch** 1984 Aug;401(4):435-7

[Action of phospholipases on calcium transport into synaptosomes: phosphatidic acid--Ca ionophore] Selishcheva AA, et al. **Dokl Akad Nauk SSSR** 1985 Mar-Apr;281(1):223-5 **(Rus)**

PHYSIOLOGY

Platelet-activating factor phosphatidate, but not platelet-activating factor, is a powerful calcium ionophore in the human red cell. Bussolino F, et al. **Cell Calcium** 1984

EWARK PUBLIC LIBRAR

Oct;5(5):463-73

[Some properties of a vasopressor substance generated in human plasma by incubation and its clinical significance in pregnancy-induced hypertension] Yoshimura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Feb;37(2):271-6 (Eng. Abstr.) **(Jpn)**

PHOSPHATIDYLCHOLINES

Piracetam attenuates the changes in the surface potential of the phosphatidylcholine monolayer produced by alcohols. Fassoulaki A, et al. **Acta Anaesthesiol Belg** 1985 Mar; 36(1):47-51

Molecular recognition, catalysis, and transport in polymerized surfactant vesicles. Fendler JH. **Ann NY Acad Sci** 1985;446:308-18

Polymeric phospholipids as new biomaterials. Hayward JA, et al. **Ann NY Acad Sci** 1985;446:267-81

Evidence for lipid involvement in the high-affinity interaction between cimetidine and rat liver cytochrome P-450. Ioannoni B, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):81-7

Interaction of morphine and naloxone with mixed monolayers of lecithin and gangliosides. Valencia G, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):269-74

Complexing of heparin with phosphatidylcholine. A possible supramolecular assembly of plasma heparin. Vannucchi S, et al. **Biochem J** 1985 Apr 1;227(1):57-65

Interaction of calcium and neomycin with anionic phospholipid-lecithin liposomes. A differential scanning calorimetry study. Wang BM, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3787-91

Spin-labeling study of phosphatidylcholine-cardiolipin binary mixtures. Berclaz T, et al. **Biochemistry** 1984 Aug 28;23(18):4033-9

Structural basis of anthracycline selectivity for unilamellar phosphatidylcholine vesicles: an equilibrium binding study. Burke TG, et al. **Biochemistry** 1985 Mar 26;24(7):1768-76

Kinetics of the interaction of hemin liposomes with heme binding proteins. Cannon JB, et al. **Biochemistry** 1984 Jul 31;23(16):3715-21

Rates of hydration of fatty acids bound to unilamellar vesicles of phosphatidylcholine or to albumin. Daniels C, et al. **Biochemistry** 1985 Jun 18;24(13):3286-92

Spontaneous formation of stable unilamellar vesicles. Gabriel NE, et al. **Biochemistry** 1984 Aug 28;23(18):4011-5

Anthracenyl crown ethers and cryptands as fluorescent probes for solid-phase transitions of phosphatidylcholines: syntheses and phospholipid membrane studies. Herrmann U, et al. **Biochemistry** 1984 Aug 28;23(18):4059-67

Incorporation of acylated antibody into planar lipid multilayers: characterization and cell binding. Huang L. **Biochemistry** 1985 Jan 1;24(1):29-34

Acyl chain interdigitation in saturated mixed-chain phosphatidylcholine bilayer dispersions. Hui SW, et al. **Biochemistry** 1984 Nov 6;23(23):5570-7

Thermotropic phase behavior of model membranes composed of phosphatidylcholines containing iso-branched fatty acids. 1. Differential scanning calorimetric studies. Lewis RN, et al. **Biochemistry** 1985 May 7;24(10):2431-9

New structural model for mixed-chain phosphatidylcholine bilayers. McIntosh TJ, et al. **Biochemistry** 1984 Aug 28; 23(18):4038-44

Kinetics of phosphatidylcholine and lysophosphatidylcholine exchange between unilamellar vesicles. McLean LR, et al. **Biochemistry** 1984 Sep 25;23(20):4624-30

Thermotropic phase behavior of model membranes composed of phosphatidylcholines containing iso-branched fatty acids. 2. Infrared and 31P NMR spectroscopic studies. Mantsch HH, et al. **Biochemistry** 1985 May 7;24(10):2440-6

Fusion of phospholipid vesicles induced by muscle glyceraldehyde-3-phosphate dehydrogenase in the absence of calcium. Morero RD, et al. **Biochemistry** 1985 Apr 9; 24(8):1904-9

Rotational diffusion and self-association of band 3 in reconstituted lipid vesicles. Mühlebach T, et al. **Biochemistry** 1985 Feb 12;24(4):975-83

Phase behavior of large unilamellar vesicles composed of synthetic phospholipids. Parente RA, et al. **Biochemistry** 1984 May 22;23(11):2353-62

14N NMR of lipid bilayers: effects of ions and anesthetics. Siminovitch DJ, et al. **Biochemistry** 1984 May 22; 23(11):2412-20

1-Palmitoyl-2-pyrenedecanoyl glycerophospholipids as membrane probes: evidence for regular distribution in liquid-crystalline phosphatidylcholine bilayers. Somerharju PJ, et al. **Biochemistry** 1985 May 21;24(11):2773-81

Kinetics of the subtransition of asymmetrically substituted phosphatidylcholines. Tümmler B, et al. **Biochemistry** 1984 Aug 28;23(18):4068-74

Influence of phospholipid peroxidation on the phase behavior of phosphatidylcholine and phosphatidylethanolamine in aqueous dispersions. van Duijn G, et al. **Biochemistry** 1984 Oct 9;23(21):4969-77

Translational diffusion of lipids in liquid crystalline phase phosphatidylcholine multibilayers. A comparison of experiment with theory. Vaz WL, et al. **Biochemistry** 1985 Jan 29;24(3):781-6

Determination of the sidedness of carbocyanine dye labeling of membranes. Wolf DE. **Biochemistry** 1985 Jan 29; 24(3):582-6

Photoconversion of 7-dehydrocholesterol to vitamin D3 in synthetic phospholipid bilayers. Yamamoto JK, et al. **Biochemistry** 1985 Jun 18;24(13):3338-44

Recombinant models of lipoproteins. Apolipoprotein A-I/phosphatidylcholine/cholesterol complexes formed in a 2-chloroethanol-water mixture. Antonov IV, et al. **Biochim Biophys Acta** 1985 Jun 14;835(1):50-7

Permeability of alkylamines across phosphatidylcholine vesicles as studied by 1H-NMR. Bar-On Z, et al. **Biochim Biophys Acta** 1985 Mar 14;813(2):207-12

A calorimetry and deuterium NMR study of mixed model membranes of 1-palmitoyl-2-oleylphosphatidylcholine and saturated phosphatidylcholines. Curatolo W, et al. **Biochim Biophys Acta** 1985 Jul 25;817(2):261-70

Antioxidant and co-antioxidant activity of vitamin C. The effect of vitamin C, either alone or in the presence of vitamin E or a water-soluble vitamin E analogue, upon the peroxidation of aqueous multilamellar phospholipid liposomes. Doba T, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):298-303

Lipoprotein lipase- and phospholipase A2-catalyzed hydrolysis of phospholipid vesicles with an encapsulated fluorescent dye. Effects of apolipoproteins. Fugman DA, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):191-5

Rhodopsin-egg phosphatidylcholine reconstitution by an octyl glucoside dilution procedure. Jackson ML, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):369-76

Phase properties of the aqueous dispersions of n-octadecylphosphocholine. Jain MK, et al. **Biochim Biophys Acta** 1985 Feb 28;813(1):68-76

Protection of large unilamellar vesicles by trehalose during dehydration: retention of vesicle contents. Madden TD, et al. **Biochim Biophys Acta** 1985 Jul 11;817(1):67-74

Pore-forming properties of iturin A, a lipopeptide antibiotic. Maget-Dana R, et al. **Biochim Biophys Acta** 1985 May 28; 815(3):405-9

Solute distributions and trapping efficiencies observed in freeze-thawed multilamellar vesicles. Mayer LD, et al. **Biochim Biophys Acta** 1985 Jul 11;817(1):193-6

Bile salt damage of egg phosphatidylcholine liposomes. O'Connor CJ, et al. **Biochim Biophys Acta** 1985 Jul 11; 817(1):95-102

Morphology and phase behavior of two types of unilamellar vesicles prepared from synthetic phosphatidylcholines studied by freeze-fracture electron microscopy and calorimetry. Parente RA, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):493-502

Thermodynamic reversibility of phase transitions. Specific effects of alcohols on phosphatidylcholines. Rowe ES. **Biochim Biophys Acta** 1985 Mar 14;813(2):321-30

Formation of alpha-tocopherol radical and recycling of alpha-tocopherol by ascorbate during peroxidation of phosphatidylcholine liposomes. An electron paramagnetic resonance study. Scarpa M, et al. **Biochim Biophys Acta** 1984 Sep 28;801(2):215-9

Permeability and morphology of low temperature phases in bilayers of single and of mixtures of phosphatidylcholines. Singer MA, et al. **Biochim Biophys Acta** 1985 Jun 27; 816(2):303-12

On the localization of ubiquinone in phosphatidylcholine bilayers. Stidham MA, et al. **Biochim Biophys Acta** 1984 Dec 18;767(3):423-31

Abscisic acid increases lipid bilayer permeability to cations as studied by phosphorus-31 NMR. Wassall SR, et al. **Biochim Biophys Acta** 1985 May 28;815(3):519-22

Oxidation of lipids. 7. Oxidation of phosphatidylcholines in homogeneous solution and in water dispersion. Yamamoto Y, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):332-40

Incorporation of chemically modified (hydrophobized) ferritin in liposomal membranes: electron microscopic studies. Ladhoff AM, et al. **Biomed Biochim Acta** 1984; 43(7):963-9

Oxygen quenching of pyrene-lipid fluorescence in phosphatidylcholine vesicles. A probe for membrane organization. Chong PL, et al. **Biophys J** 1985 May; 47(5):613-21

Free energy potential for aggregation of giant, neutral lipid bilayer vesicles by Van der Waals attraction. Evans E, et al. **Biophys J** 1984 Sep;46(3):423-6

Distributed kinetics of decay of the photovoltage at the lipid bilayer-water interface. Liu TM, et al. **Biophys J** 1985 Jul; 48(1):1-7

Repulsive forces in lecithin glycol lamellar phases. Persson PK, et al. **Biophys J** 1985 May;47(5):743-6

Novel fluorescence method to visualize antibody-dependent hydrogen peroxide-associated 'killing' of liposomes by phagocytes. Petty HR, et al. **Biophys J** 1985 Jun; 47(6):837-40

Interaction of cholesterol with galactocerebroside and galactocerebroside-phosphatidylcholine bilayer membranes. Ruocco MJ, et al. **Biophys J** 1984 Dec; 46(6):695-707

An experimental comparison between the continuum and single jump descriptions of nonactin-mediated potassium transport through black lipid membranes. van Dijk C, et al. **Biophys J** 1985 Jul;48(1):125-36

The thermodynamic properties of mixed phospholipid bilayers: a theoretical analysis. Mondat M, et al. **Can J Biochem Cell Biol** 1984 Aug;62(8):796-802

Mixing of single-chain amphiphiles in two-chain lipid bilayers. 2. Characteristics of chlorophyll a and alpha-tocopherol incorporation in unilamellar phosphatidylcholine vesicles. Fragata M, et al. **Chem Phys Lipids** 1985 May;37(2):117-25

Phosphatidylcholine and cholesterol interactions in model membranes. Guyer W, et al. **Chem Phys Lipids** 1983 Nov; 33(4):313-22

Mixed monolayers of straight-chain/branched-chain phospholipids. I. Mixed monolayers of distearoyl phosphatidylcholine and diisoeicosanoyl phosphatidylcholine. Suzuki A, et al. **Chem Phys Lipids** 1985 Apr;37(1):69-82

A comparison of the translational diffusion of a normal and a membrane-spanning lipid in L alpha phase 1-palmitoyl-2-oleoylphosphatidylcholine bilayers. Vaz WL, et al. **Eur Biophys J** 1985;12(1):19-24

Immobilization of alpha-chymotrypsin on sucrose stearate--palmitate containing liposomes. Bogdanov AA, et al. **FEBS Lett** 1984 Sep 17;175(1):178-82

Ganglioside headgroups decrease lipid order in reconstituted phosphatidylcholine liposomes. Öllmann M, et al. **FEBS Lett** 1985 Jan 1;179(1):173-6

Transfer of liposome-encapsulated plasmid DNA to Bacillus subtilis protoplasts and calcium-treated Escherichia coli cells. Holubová I, et al. **Folia Microbiol (Praha)** 1985; 30(2):97-100

Bile salt structure and phase equilibria in aqueous bile salt and bile salt-lecithin systems. Carey MC. **Hepatology** 1984 Sep-Oct;4(5 Suppl):138S-142S

Aqueous bile salt-lecithin-cholesterol systems: equilibrium aspects. Carey MC. **Hepatology** 1984 Sep-Oct;4(5 Suppl):151S-154S

Molecular organization in phases of lecithin-cholate-water as studied by nuclear magnetic resonance. Lindblom G, et al. **Hepatology** 1984 Sep-Oct;4(5 Suppl):129S-133S

Kinetics and thermodynamics of dissolution of lecithin by bile salts. Lindenbaum S, et al. **Hepatology** 1984 Sep-Oct; 4(5 Suppl):124S-128S

Structural aspects of bile salt-lecithin mixed micelles. Müller K. **Hepatology** 1984 Sep-Oct;4(5 Suppl):134S-137S

Dynamic laser light scattering studies of the micelle to vesicle transition in model and native bile. Schurtenberger P, et al. **Hepatology** 1984 Sep-Oct;4(5 Suppl):143S-147S

Characteristics of phosphatidylcholine/peptidylglycolipid liposomes. Jain RK. **Indian J Biochem Biophys** 1984 Feb; 21(1):51-6

Bilayer-micelle transition in phosphatidylcholine-sulfatide mixtures. Cestaro B, et al. **Ital J Biochem** 1984 Nov-Dec; 33(6):381-91

Formation of a leakage-type ion pathway in lipid bilayer membranes by divalent cationic cyanine dyes in cooperation with inorganic phosphate. Role of the cyanine dye in uncoupling of oxidative phosphorylation. Takeguchi N, et al. **J Biol Chem** 1985 Aug 5;260(16):9158-61

Prothrombin fragment 1-membrane interactions: a calcium-43 NMR study. Bouhoutsos-Brown E, et al. **J Inorg Biochem** 1984 Aug;21(4):337-43

Apparent activation volumes of hydrophobic ions and carriers in planar lipid bilayers. Moronne M, et al. **J Membr Biol** 1985;84(3):221-7

Temperature dependence of single channel currents and the peptide libration mechanism for ion transport through the gramicidin A transmembrane channel. Urry DW, et al. **J Membr Biol** 1984;81(3):205-17

Effect of gangliosides on phospholipid bilayers: a study with the lipophilic ions relaxation method. Usai C, et al. **J Membr Biol** 1984;82(1):15-23

Binding of imipramine and cocaine to a model lipid membrane: comparison with binding to brain membranes. Reith ME, et al. **Neurochem Res** 1984 Jul;9(7):965-77

Fluorescence spectral changes of hematoporphyrin derivative upon binding to lipid vesicles, Staphylococcus aureus and Escherichia coli cells. Ehrenberg B, et al. **Photochem Photobiol** 1985 Apr;41(4):429-35

Lysis of egg phosphatidylcholine liposomes by singlet oxygen generated in the gas phase. Eisenberg WC, et al. **Photochem Photobiol** 1984 Jul;40(1):55-8

Allogeneic stimulation of cytotoxic T cells by supported planar membranes. Brian AA, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6159-63

Membrane photosensitization by hematoporphyrin and hematoporphyrin derivative. Grossweiner LI. **Prog Clin Biol Res** 1984;170:391-404

Some electrostatic aspects of the interaction between DNA or lipids and WR-2721 or its metabolite WR-1065. Vasilescu D, et al. **Prog Clin Biol Res** 1985;172A:525-36

[A request for authorization to use lecithin and mono- and diglycerides of dietary fatty acids as emulsifiers in candy products containing fatty substances and in candy products with moisture above 6%] Desgrez P. **Bull Acad Natl Med (Paris)** 1984 Dec;168(9):1077-8 **(Fre)**

[Molecular interactions in the membranes of visual photoreceptors. Study using mixed monomolecular film] Tancrède P. **Can J Biochem Cell Biol** 1984 Aug; 62(8):789-95 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Polymerized phosphatidylcholine vesicles as drug carriers. Regen SL. **Ann NY Acad Sci** 1985;446:296-307

Hyperlipoproteinaemia and atherosclerosis in rabbits fed low-level cholesterol and lecithin. Hunt CE, et al. **Br J Exp Pathol** 1985 Feb;66(1):35-46

Targeting of coenzyme Q10 solubilized with soy lecithin to heart of guinea pigs. Takada M, et al.

J Nutr Sci Vitaminol (Tokyo) 1985 Feb;31(1):115-20

ADVERSE EFFECTS

Effects of a commercial soy lecithin preparation on development of sensorimotor behavior and brain biochemistry in the rat. Bell JM, et al. **Dev Psychobiol** 1985 Jan;18(1):59-66

ANALYSIS

Theoretical effects of amniotic fluid volume changes on surfactant concentration measurements. Nelson GH, et al. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):870-8

Sensitivity and specificity of the L/S ratio in relation to gestational age. Creasy GW, et al. **Am J Perinatol** 1984 Jul;1(4):302-5 (17 ref.)

Direct observation of the distribution of fluorescent probes in phosphatidylcholine/cholesterol vesicles using flow microfluorometry. Allen JK, et al. **Anal Biochem** 1984 Aug 1;140(2):409-16

Quantification of choline and ethanolamine phospholipids in rabbit myocardium. Creer MH, et al. **Anal Biochem** 1985 Jan;144(1):65-74

Fast-heating mass spectrometry of phosphatidylcholine, lysophosphatidylcholine, phosphatidylethanolamine, and sphingomyelin. Dessort D, et al. **Anal Biochem** 1984 Oct; 142(1):43-52

The fluorimetric determination of the lecithin/sphingomyelin ratio of amniotic fluid after HPLC. Gebhardt DO, et al. **Ann Clin Biochem** 1985 May;22 (Pt 3):321-3

Correlation between amniotic fluid lecithin-sphingomyelin (L/S) ratio and optical density measured after centrifugation at varying forces. Shimokawa H, et al. **Asia Oceania J Obstet Gynaecol** 1985 Jun;11(?):265-70

Occurrence of phosphatidylsulfocholine, the sulfonium analog of phosphatidylcholine in some diatoms and algae. Bisseret P, et al. **Biochim Biophys Acta** 1984 Dec 6; 796(3):320-7

A study of the molecular species of diacylglycerol, phosphatidylcholine and phosphatidylethanolamine and of cholinephosphotransferase and ethanolaminephosphotransferase activities in the type II pneumocyte. Crecelius CA, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):247-56

A comparative fluorescence polarization study of cis-parinaroyl-phosphatidylcholine and diphenylhexatriene in membranes containing different amounts of cholesterol. Christiansson A, et al. **Chem Phys Lipids** 1984 Aug; 35(3):247-58

Phosphatidylcholine bilayers: subtransitions in pure and in mixed lipids. Finegold L, et al. **Chem Phys Lipids** 1984 Aug;35(3):291-7

Validation of a simple rapid high performance liquid chromatographic method for amniotic fluid lecithin/sphingomyelin ratios. D'Costa M, et al. **Clin Biochem** 1985 Feb;18(1):27-31

Infrared analysis of lecithin/sphingomyelin ratios. Lehmann CA, et al. **Clin Physiol Biochem** 1984;2(4):184-91

An explanation of the low lecithin/sphingomyelin ratio of amniotic fluid in early pregnancy. Gebhardt DO, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Aug;17(6):383-6

Fatty acid composition of amniotic fluid lecithin and its relationship to amniotic fluid C-peptide in diabetic pregnancy. Pschera H, et al. **Horm Metab Res** 1984 Dec; 16 Suppl 1:186-9

Detection of soy protein in soy lecithin, margarine and, occasionally, soy oil. Porras O, et al. **Int Arch Allergy Appl Immunol** 1985;78(1):30-2

Examination of the Sephadex G10 beads uptake method for determination of bile salt monomer concentration in taurocholate-lecithin solutions. Lee PH, et al. **J Pharm Sci** 1985 Aug;74(8):880-2

Comparison of amniotic fluid optical density, L/S ratio and creatinine concentration in predicting fetal pulmonary maturity. Darling RE, et al. **J Reprod Med** 1985 Jun; 30(6):460-4

Sonographically detected free-floating particles in amniotic fluid predict a mature lecithin-sphingomyelin ratio. Gross TL, et al. **JCU** 1985 Jul-Aug;13(6):405-9

Decreased phosphatidylcholine in the lung fluid of patients with sarcoidosis. Baughman RP, et al. **Lipids** 1985 Jul; 20(7):496-9

The positional distributions of fatty acids in the triacylglycerols and phosphatidylcholines of the intestinal and popliteal lymph and plasma of sheep. Christie WW, et al. **Lipids** 1984 Dec;19(12):982-6

Preparation of hydroperoxy and hydroxy derivatives of rat liver phosphatidylcholine and phosphatidylethanolamine. Terao J, et al. **Lipids** 1985 May;20(5):312-7

Standard lecithin/sphingomyelin and phosphatidylglycerol techniques compared with immunologic slide test. Knight JA, et al. **Obstet Gynecol** 1985 Jun;65(6):840-3

Chemiluminescence in the coupled oxidation of lecithin and ascorbate. Lichszteld K, et al. **Z Naturforsch [C]** 1985 Mar-Apr;40(3-4):223-6

BIOSYNTHESIS

Evidence for three catalytic sites in heart sarcolemmal phospholipid N-methylation. Ganguly PK, et al. **Adv Myocardiol** 1985;6:157-64

Energy dependence of lung phosphatidylcholine biosynthesis studied with CO hypoxia. Fisher AB, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):E89-93

The influence of paracetamol on the hepatic biosynthesis of lecithin. Lohmann J, et al. **Arch Toxicol [Suppl]** 1984; 7:236-9

Different susceptibility of alkylacyl--versus diacyl--and alkenylacyl--phosphatidylcholine subclasses to stimulation of biosynthesis by phospholipase C. Terce F, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):413-9

Role of fatty acid structure in the reversible activation of phosphatidylcholine synthesis in lymphocytes. Anderson KE, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):360-8

Acyl specificity of hamster heart CDP-choline 1,2-diacylglycerol phosphocholine transferase in phosphatidylcholine biosynthesis. Arthur G, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):221-9

Phosphatidylglycerol stimulates cholinephosphate cytidylyltransferase activity and phosphatidylcholine synthesis in type II pneumocytes. Gilfillan AM, et al. **Biochim Biophys Acta** 1985 Jun 14;835(1):141-6

Phorbol ester tumor promoters specifically stimulate choline phospholipid metabolism in human leukemic cells. Lockney MW, et al. **Biochim Biophys Acta** 1984 Dec 6;796(3):384-92

Incorporation of [3H]palmitate and [14C]choline into disaturated phosphatidylcholines in rat alveolar macrophages. Miles PR, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):342-50

Trifluoperazine and chlorpromazine inhibit phosphatidylcholine biosynthesis and CTP:phosphocholine cytidylyltransferase in HeLa cells. Pelech SL, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):441-6

Membrane-bound CTP:phosphocholine cytidylyltransferase regulates the rate of phosphatidylcholine synthesis in HeLa cells treated with unsaturated fatty acids. Pelech SL, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):433-40

The rate-limiting reaction in phosphatidylcholine synthesis by alveolar type II cells isolated from fetal rat lung. Post M, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):558-63

Pool sizes of precursors for phosphatidylcholine formation in adult rat lung type II cells. Post M, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):552-7

Diacylglycerol synthesized in vitro from sn-glycerol 3-phosphate and the endogenous diacylglycerol are different substrate pools for the biosynthesis of phosphatidylcholine in rat lung microsomes. Rüstow B, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):273-8

The molecular species of phosphatidic acid, diacylglycerol and phosphatidylcholine synthesized from sn-glycerol 3-phosphate in rat lung microsomes. Rüstow B, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):465-76

Dihydrotestosterone inhibits fibroblast-pneumonocyte factor-mediated synthesis of saturated phosphatidylcholine by fetal rat lung cells. Torday JS. **Biochim Biophys Acta** 1985 Jun 14;835(1):23-8

Analysis of the effects of fatty acids and related compounds on the synthesis of phosphatidylcholine in lymphocytes. Whitlon DS, et al. **Biochim Biophys Acta** 1985 Jul 9; 835(2):369-77

Decrease of arachidonic acid in phosphatidylcholine from renal medulla of SHR after feeding a linoleic and linolenic acid-rich diet. Wirth M, et al. **Biomed Biochim Acta** 1984; 43(8-9):S239-41

Evaluation of possible mechanisms of phorbol ester stimulation of phosphatidylcholine synthesis in HeLa cells. Cook HW, et al. **Can J Biochem Cell Biol** 1985 Feb; 63(2):145-51

Influence of theophylline on fetal rat lung phosphatidylcholine synthesis in vivo. Moya FR, et al. **Dev Pharmacol Ther** 1985;8(1):9-16

Effects of insulin and hydrocortisone on lung tissue phosphatidyl choline and disaturated phosphatidyl choline in fetal rabbits in vivo. Patel DM, et al. **Diabetologia** 1984 Oct;27(4):478-81

Effect of a single dose of T3 on the incorporation of (Methyl-14C) methionine into phosphatidylcholine and lysophosphatidylcholine in chick liver. Marino A, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):245-51

Effect of alkyl-lysophospholipids on phosphatidylcholine biosynthesis in leukemic cell lines. Vogler WR, et al. **Exp Hematol** 1985 Aug;13(7):629-33

The sex difference in type II cell surfactant synthesis originates in the fibroblast in vitro. Torday JS. **Exp Lung Res** 1984;7(3-4):187-94

Effect of a single dose of triiodothyronine on the uptake of (methyl-14C)choline into chick liver phospholipids. Marino A, et al. **Horm Metab Res** 1984 Dec;16(12):638-40

Phosphatidylcholine synthesis in adult Dirofilaria immitis females. Srivastava AK, et al. **Int J Parasitol** 1985 Feb; 15(1):27-31

Regulation of choline kinase activity and phosphatidylcholine biosynthesis by mitogenic growth factors in 3T3 fibroblasts. Warden CH, et al. **J Biol Chem** 1985 May 25; 260(10):6006-11

Regulation of phosphatidylcholine biosynthesis in Chinese hamster ovary cells by reversible membrane association of CTP: phosphocholine cytidylyltransferase. Wright PS, et al. **J Biol Chem** 1985 Jul 5;260(13):7919-26

Sidedness of phosphatidylcholine-synthesizing enzymes in rat brain microsomal vesicles. Arienti G, et al. **J Neurochem** 1985 Jan;44(1):38-41

Topological biosynthesis of phosphatidylcholine in brain microsomes. Freysz L, et al. **J Neurochem** 1985 Jul; 45(1):57-62

Polar head group decarboxylation and methylation of phospholipids: an alternate route for phosphatidylcholine formation in cultured neuronal cells. Yavin E. **J Neurochem** 1985 May;44(5):1451-8

Hormonal and pharmacologic agents affecting choline uptake and incorporation in Schistosoma mansoni adults. Young BW, et al. **J Parasitol** 1984 Dec;70(6):931-6

Serum factors affecting choline uptake and incorporation in Schistosoma mansoni adults. Young BW, et al. **J Parasitol** 1984 Dec;70(6):879-85

Increased arachidonate incorporation in perfused heart phospholipids from vitamin E-deficient rats. Chan AC, et al. **Lipids** 1985 May;20(5):328-30

Dietary fats containing concentrates of cis or trans octadecenoates and the patterns of polyunsaturated fatty acids of liver phosphatidylcholine and phosphatidylethanolamine. Lawson LD, et al. **Lipids** 1985 May;20(5):262-7

Phosphatidylethanolamine methylation in intestinal brush border membranes from rats resistant to Trichinella spiralis. Harari Y, et al. **Mol Biochem Parasitol** 1985 Jun; 15(3):317-26

Interferon stimulates cholesterol and phosphatidylcholine synthesis but inhibits cholesterol ester synthesis in HeLa-S3 cells. Pfeffer LM, et al. **Proc Natl Acad Sci USA** 1985 Apr; 82(8):2417-21

Phosphatidylcholine produced in rat synaptosomes by N-methylation is enriched in polyunsaturated fatty acids. Tacconi M, et al. **Proc Natl Acad Sci USA** 1985 Jul; 82(14):4828-31

BLOOD

Changes in relative fatty acid composition of serum lecithin and cholesterol ester after treatment with two gonane progestins administered alone and in combination with ethinyl estradiol. Crona N, et al. **Arch Gynecol** 1984; 236(1):35-40

The fatty acid composition of serum lecithin after pregnancy complicated by pre-eclampsia. Rosing U, et al. **Arch Gynecol** 1984;236(2):109-17

Arachidonyl transfer from diacyl phosphatidylcholine to ether phospholipids in rat platelets. Colard O, et al. **Biochem J** 1984 Sep 15;222(3):657-62

Effects of bilayer cholesterol on human erythrocyte hexose transport protein activity in synthetic lecithin bilayers. Connolly TJ, et al. **Biochemistry** 1985 Jun 4;24(12):2865-73

Lipid transfer between phosphatidylcholine vesicles and human erythrocytes: exponential decrease in rate with increasing acyl chain length. Ferrell JE Jr, et al. **Biochemistry** 1985 Jun 4;24(12):2857-64

Molecular species composition of membrane phosphatidylcholine influences the rate of cholesterol efflux from human erythrocytes and vesicles of erythrocyte lipid. Child P, et al. **Biochim Biophys Acta** 1985 Apr 11; 814(2):237-46

Acyl selectivity in the transfer of molecular species of phosphatidylcholines from human erythrocytes. Child P, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):321-32

Abnormal transbilayer mobility of phosphatidylcholine in hereditary pyropoikilocytosis reflects the increased heat sensitivity of the membrane skeleton. Franck PF, et al. **Biochim Biophys Acta** 1985 May 14;815(2):259-67

The incorporation of [3H]glycerol and 1-[14C]acyl-sn-glycero-3-phosphocholine into different molecular species of phosphatidylcholine in human platelets. Mahadevappa VG, et al. **Can J Biochem Cell Biol** 1984 Sep;62(9):827-30

Shape change of human erythrocytes induced by phosphatidylcholine and lysophosphatidylcholine species with various acyl chain lengths. Fujii T, et al. **Cell Biochem Funct** 1984 Jul;2(3):171-6

Gastric aspirate L/S ratio and umbilical cord blood total protein as predictors in RDS. Ekblad H, et al. **Gynecol Obstet Invest** 1984;18(6):317-21

Relative fatty acid composition of lecithin during postmenopausal replacement therapy--a comparison between ethinyl estradiol and estradiol valerate. Ottosson UB, et al. **Gynecol Obstet Invest** 1984;18(6):296-302

Detection of liposomes in portal blood following oral administration. Das N, et al. **J Appl Biochem** 1984 Oct-Dec; 6(5-6):346-52

1-O-alkyl-2-arachidonoyl-sn-glycero-3-phosphocholine. A common source of platelet-activating factor and arachidonate in human polymorphonuclear leukocytes. Chilton FH, et al. **J Biol Chem** 1984 Oct 10;259(19):12014-9

Substrate specificity of plasma lysolecithin acyltransferase and the molecular species of lecithin formed by the reaction. Subbaiah PV, et al. **J Biol Chem** 1985 May 10; 260(9):5308-14

Shape changes in human erythrocytes induced by replacement of the native phosphatidylcholine with species containing various fatty acids. Kuypers FA, et al. **J Cell Biol** 1984 Dec;99(6):2260-7

HDL phosphatidyl choline and risk-factors of coronary heart disease. Schriewer H, et al. **J Clin Chem Clin Biochem** 1984 Aug;22(8):515-21

HDL phosphatidyl choline and cigarette smoking. Assmann G, et al. **Klin Wochenschr** 1984;62 Suppl 2:32-5

Tocopherol-phospholipid liposomes: maximum content and stability to serum proteins. Halks-Miller M, et al. **Lipids** 1985 Mar;20(3):195-200

[A case of congenital high red cell membrane phosphatidyl choline hemolytic anemia with stomatocytosis and increased sodium influx] Fujiwara F, et al. **Rinsho Ketsueki** 1984 Nov;25(11):1819-24 (Eng. Abstr.) **(Jpn)**

[A case of congenital hemolytic anemia with red cell membrane lipid abnormalities (increased phosphatidyl choline and free cholesterol) associated with enhanced sodium transport] Haneda Y, et al. **Rinsho Ketsueki** 1984 Oct;25(10):1692-8 (Eng. Abstr.) **(Jpn)**

[A sporadic case of congenital high red cell membrane phosphatidyl choline hemolytic anemia refractory to splenectomy] Hasegawa S, et al. **Rinsho Ketsueki** 1985 Jan;26(1):74-8 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Improved method for the synthesis of phosphatidylcholines. Harbison GS, et al. **J Lipid Res** 1984 Oct;25(10):1140-2

Use of 31PNMR spectroscopy to follow the time course of phosphatidylcholine chemical synthesis. Meers PR, et al. **J Lipid Res** 1985 Jul;26(7):882-8

Synthesis of phosphatidylcholine analogs with an alkyl group at C1 or C3 of the glycerol moiety. Witzke NM, et al. **J Lipid Res** 1985 May;26(5):623-8

DIAGNOSTIC USE

Phase behavior of membranes reconstituted from dipentadecanoylphosphatidylcholine and the Mg2+-dependent, Ca2+-stimulated adenosinetriphosphatase of sarcoplasmic reticulum: evidence for a disrupted lipid domain surrounding protein. Lentz BR, et al. **Biochemistry** 1985 Jan 15;24(2):433-42

Steady-state and time-resolved fluorescence anisotropy study of phospholipid molecular motion in the gel phase using 1-palmitoyl-2-[9-(2-anthryl)-nonanoyl]-sn-glycero-3-phosphocholine as probe. Vincent M, et al. **Eur J Biochem** 1985 Jul 15;150(2):341-7

ISOLATION & PURIFICATION

Separation of molecular species of phosphatidylcholine by high-performance liquid chromatography on a PLRP-S column. Christie WW, et al. **J Chromatogr** 1985 Jun 7;325(2):473-6

[Isolation of diphosphatidylglycerol, phosphatidylethanolamine and phosphatidylcholine from the bull heart] Kostetskiĭ Ela, et al. **Bioorg Khim** 1985 Mar;11(3):403-7 (Eng. Abstr.) **(Rus)**

METABOLISM

Kinetic study of deuterium-labelled polyenphosphatidylcholine after oral administration to rats. Brekle A, et al. **Arzneimittelforsch** 1985;35(1):130-2

Activation of Ca2+-stimulated ATPase by phospholipid N-methylation in cardiac sarcoplasmic reticulum. Ganguly PK, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):472-8

Oxygenation of phosphatidylcholine by human polymorphonuclear leukocyte 15-lipoxygenase. Jung G, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):559-66

CoA-independent transfer of arachidonic acid from 1,2-diacyl-sn-glycero-3-phosphocholine to 1-O-alkyl-sn-glycero-3-phosphocholine (lyso platelet-activating factor) by macrophage microsomes. Sugiura T, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):384-90

Platelet-activating factor promotes arachidonate incorporation into phosphatidylinositol and phosphatidylcholine in neutrophils. Tou J. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):1045-51

Degradation of mono-oleoylglycerol, trioleoylglycerol and phosphatidylcholine in emulsions and lipoproteins by rat hepatic acylglycerol lipase. Belcher JD, et al. **Biochem J** 1985 Jul 15;229(2):343-51

Preferential distribution of non-esterified fatty acids to phosphatidylcholine in the neonatal mammalian myocardium. Schroedl NA, et al. **Biochem J** 1984 Dec 1;224(2):651-9

Ca2+ binding to phosphatidylcholine bilayers as studied by deuterium magnetic resonance. Evidence for the formation of a Ca2+ complex with two phospholipid molecules. Altenbach C, et al. **Biochemistry** 1984 Aug 14;23(17):3913-20

Ninth component of complement: self-aggregation and interaction with lipids. Dankert JR, et al. **Biochemistry** 1985 May 21;24(11):2754-62

Methyl branching in short-chain lecithins: are both chains important for effective phospholipase A2 activity? DeBose CD, et al. **Biochemistry** 1985 Mar 12;24(6):1298-306

Biochemical properties of phosphatidylcholine-binding proteins that share common antigenic determinants with Fc gamma 2b receptor. Fernandez-Botran R, et al. **Biochemistry** 1985 Apr 9;24(8):1896-903

Aggregation, lipid exchange, and metastable phases of dimyristoylphosphatidylethanolamine vesicles. Pryor C, et al. **Biochemistry** 1985 Apr 23;24(9):2203-9

Phosphatidylcholine as a source of diacylglycerols in neuronal nuclei incubated in the presence of EGTA and CMP. Baker RR, et al. **Biochim Biophys Acta** 1984 Oct 24;796(1):55-63

Metabolism of unique diarachidonoyl and linoleoylarachidonoyl species of ethanolamine and choline phosphoglycerides in rat testes. Blank ML, et al. **Biochim Biophys Acta** 1985 Mar 6;833(3):366-71

The stimulation and binding of CTP: phosphorylcholine cytidylyltransferase by phosphatidylcholine-oleic acid vesicles. Feldman DA, et al. **Biochim Biophys Acta** 1985 Mar 6;833(3):429-37

Arachidonic acid metabolites stimulate phosphatidylcholine secretion in primary cultures of type II pneumocytes. Gilfillan AM, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):336-41

Flow cytofluorometric investigation of the uptake by hepatocytes and spleen cells of targeted and untargeted liposomes injected intravenously into mice. Grosse E, et al. **Biochim Biophys Acta** 1984 Dec 11;805(4):354-61

Interactions of polymerized phospholipid vesicles with cells. Uptake, processing and toxicity in macrophages. Juliano RL, et al. **Biochim Biophys Acta** 1985 Jan 10;812(1):42-8

The phospholipids of lamellar body material from fetal rabbit lung tissue in culture. Unusual phosphatidylcholine fatty acid profile. Longmuir KJ, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):135-43

Catabolism of rat surfactant disaturated phosphatidylcholines during incubation of alveolar lavage materials in vitro at 37 degrees C. Miles PR, et al. **Biochim Biophys Acta** 1985 Aug 22;836(1):39-44

Molecular pathways in the transformation of model discoidal lipoprotein complexes induced by lecithin:cholesterol acyltransferase. Nichols AV, et al. **Biochim Biophys Acta** 1985 May 17;834(3):285-300

Isolation and specificity of rat lecithin: cholesterol acyltransferase: comparison with the human enzyme using reassembled high-density lipoproteins containing ether analogs of phosphatidylcholine. Pownall HJ, et al. **Biochim Biophys Acta** 1985 Mar 6;833(3):456-62

Liposomal membranes. XX. Autoxidation of unsaturated fatty acids in liposomal membranes. Sunamoto J, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):144-50

Effect of hyperoxia on phosphatidylcholine synthesis, secretion, uptake and stability in the newborn rabbit lung. Ward JA, et al. **Biochim Biophys Acta** 1984 Oct 24;796(1):42-50

Phosphatidylcholine and 4-methylumbelliferyl phosphorylcholine hydrolysis by purified placental sphingomyelinase. Freeman SJ, et al. **Can J Biochem Cell Biol** 1985 Apr;63(4):272-7

The hydrolysis of phosphatidylcholine by phospholipase A2 in hamster heart. Tam SW, et al. **Can J Biochem Cell Biol** 1984 Dec;62(12):1269-74

Assembly of the endoplasmic reticulum phospholipid bilayer: the phosphatidylcholine transporter. Bishop WR, et al. **Cell** 1985 Aug;42(1):51-60

Enhanced lipid peroxidation of erythrocyte membranes and phosphatidylcholine liposomes induced by a xanthine oxidase system in the presence of catalase. Miura T, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):3227-34

The effect of maternal diabetes on the synthesis and secretion of phosphatidylcholine in fetal and maternal rat lungs in vitro. Nijjar MS, et al. **Diabetologia** 1984 Aug;27(2):219-24

The L/S ratio in vaginally collected amniotic fluid: a misleading result in a breech presentation. Feijen HW, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Sep;18(1-2):77-80

A review of plasma apolipoprotein A-I interactions with phosphatidylcholines. Jonas A. **Exp Lung Res** 1984;6(3-4):255-70 (55 ref.)

Microsomal membranes contain phosphatidylcholine that equilibrates across the bilayer, and phosphatidylcholine that does not. Hutson JL, et al. **FEBS Lett** 1985 Apr 8;183(1):145-50

Photolabelling of D-beta-hydroxybutyrate apodehydrogenase with azidoaryl phospholipids. el Kebbaj MS, et al. **FEBS Lett** 1985 Mar 11;182(1):176-80

Incorporation of bovine thyroid peroxidase in liposomes. Viniegra S, et al. **Int J Biochem** 1984;16(11):1167-70

Uptake and transbilayer distribution of phosphatidylcholines in Mycoplasma gallisepticum and their effect on cell morphology. Rottem S, et al. **Isr J Med Sci** 1984 Sep;20(9):812-6

Interaction of secretory protein precursors with phospholipids in liposomes. Nanba S, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1133-42

Association of apolipoprotein A-II with egg phosphatidylcholine unilamellar vesicles. Yokoyama S, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):871-80

Kinetics of lecithin-cholesterol acyltransferase reaction with discoidal complexes of apolipoprotein A-I.phosphatidylcholine.ether phospholipid.cholesterol. Jonas A, et al. **J Biol Chem** 1985 Mar 10;260(5):2757-62

The adsorption of prothrombin to phospholipid monolayers quantitated by ellipsometry. Kop JM, et al. **J Biol Chem** 1984 Nov 25;259(22):13993-8

Effect of phytyl side chain of vitamin E on its antioxidant activity. Niki E, et al. **J Biol Chem** 1985 Feb 25;260(4):2191-6

Identification of neutral active phospholipase C which hydrolyzes choline glycerophospholipids and plasmalogen selective phospholipase A2 in canine myocardium. Wolf RA, et al. **J Biol Chem** 1985 Jun 25;260(12):7295-303

Localization of phosphatidylcholine in outer envelope membrane of spinach chloroplasts. Dorne AJ, et al. **J Cell Biol** 1985 May;100(5):1690-7

Intracellular transport of phosphatidylcholine to the plasma membrane. Kaplan MR, et al. **J Cell Biol** 1985 Aug;101(2):441-5

Lack of correlation of severity of lung disease with the phosphatidylcholine concentration in fetal lung fluid from premature lambs at 133-136 days gestational age. Jobe A, et al. **J Dev Physiol** 1984 Oct;6(5):417-21

Catabolism of exogenous and endogenous sphingomyelin and phosphatidylcholine by homogenates and subcellular fractions of cultured neuroblastoma cells. Effects of anesthetics. Mooibroek MJ, et al. **J Neurochem** 1985 May;44(5):1551-8

A sensitive and specific radioenzymatic assay for the simultaneous determination of choline and phosphatidylcholine. Muma NA, et al. **J Neurosci Methods** 1985 Jan;12(3):249-57

Comparison of the effects of betamethasone and L-carnitine on dipalmitoylphosphatidylcholine content and phosphatidylcholine species composition in fetal rat lungs. Lohninger A, et al. **Pediatr Res** 1984 Dec;18(12):1246-52

Sterol control of the phosphatidylethanolamine-phosphatidylcholine conversion in the yeast mutant GL7. Kawasaki S, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5715-9

[Effect of intra-amnial thyroxine administration in the fetus] Dudenhausen JW. **Geburtshilfe Frauenheilkd** 1984 Dec;44(12):777-80 (Eng. Abstr.) **(Ger)**

[Lecithin and total phospholipid concentrations in lung homogenates of fetuses and newborn rabbits after beta-receptor stimulation] Dzienis K, et al. **Ginekol Pol** 1984 Apr;55(4):249-52 (Eng. Abstr.) **(Pol)**

[In vitro incorporation of [14CH3]methionine into liver phosphatidylcholine in rats with vitamin E deficiency] Donchenko GV, et al. **Ukr Biokhim Zh** 1985 Jan-Feb;57(1):75-9 (Eng. Abstr.) **(Rus)**

[Metabolism of choline-containing phospholipids in microsome fractions of the rat brain in acute radiation injury] Grinchuk DV, et al. **Ukr Biokhim Zh** 1984 Nov-Dec;56(6):671-4 (Eng. Abstr.) **(Rus)**

[Effect of different forms of vitamin A and its combination with vitamin E on the peroxidation of lipids] Galkina SI. **Vopr Med Khim** 1984 Jul-Aug;30(4):91-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Promotion of palmar sweating with oral phosphatidylcholine. Aronson PJ, et al. **Acta Derm Venereol (Stockh)** 1985;65(1):19-24

Effects of indomethacin and polyunsaturated phosphatidylcholine on short-term control of renal water excretion. Agnoli GC, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985;13:141-5

Oral administration of polyunsaturated phosphatidylcholine reduces lipid and cholesterol contents in platelets of healthy volunteers. Galli C, et al. **Agents Actions [Suppl]** 1984;16:225-8

Arrest of metastatic cells: agents promoting and inhibiting instant non-specific adhesion by fibronectin. Hills BA. **Anticancer Res** 1985 May-Jun;5(3):287-91

Binding of [3H]ethylenediamine di-tetrodotoxin to its solubilized receptor from excitable tissues. Binding measurements by rapid gel-filtration and receptor stabilization by phosphatidylcholine. Bontemps J, et al. **Arch Int Physiol Biochim** 1984 Apr;92(1):39-45

Efficacy of phosphatidylcholine in the modulation of motion sickness susceptibility. Kohl RL, et al. **Aviat Space Environ Med** 1985 Feb;56(2):125-8

Effects of lipid environment on the light-induced conformational changes of rhodopsin. 2. Roles of lipid chain length, unsaturation, and phase state. Baldwin PA, et al. **Biochemistry** 1985 May 21;24(11):2633-9

Membrane bilayer balance and erythrocyte shape: a quantitative assessment. Ferrell JE Jr, et al. **Biochemistry** 1985 Jun 4;24(12):2849-57

Inhibition of platelet aggregation by synthetic phosphatidylcholines: possible involvement of vesiculation of platelet plasma membranes. Kobayashi T, et al. **Biochim Biophys Acta** 1985 Jul 25;817(2):307-12

Vesiculation of platelet plasma membranes. Dilauroylglycerophosphocholine-induced shedding of a platelet plasma membrane fraction enriched in acetylcholinesterase activity. Kobayashi T, et al. **Biochim Biophys Acta** 1984 Nov 21;778(1):210-8

Regulation of trout gill AMP deaminase by lipid bilayers. Effects of phospholipid composition and temperature. Raffin JP, et al. **Comp Biochem Physiol [B]** 1985;80(4):685-92

Effects of liposome treatment and cytoskeleton-inhibiting drugs on the capping kinetics of rabbit T lymphocytes at various stages of differentiation. Roozemond RC, et al. **Eur J Cell Biol** 1984 Nov;35(2):322-6

The effect of polyunsaturated phosphatidylcholine on lipid synthesis in ethanol-intoxicated cultured rat hepatocytes. Montanini I, et al. **Farmaco [Sci]** 1984 Jul;39(7):559-68

Autoantibodies against mouse bromelain-modified RBC are specifically inhibited by a common membrane phospholipid, phosphatidylcholine. Cox KO, et al. **Immunology** 1985 Jun;55(2):263-9

Phospholipid protection against proteolysis of D-beta-hydroxybutyrate dehydrogenase, a lecithin-requiring enzyme. Maurer A, et al. **J Biol Chem** 1985 Feb 10;260(3):1661-9

Reconstitution of calmodulin-sensitive adenylate cyclase from bovine brain with phosphatidylcholine liposomes. Yeager RE, et al. **J Neurochem** 1985 Mar;44(3):818-24

Intestinal cholesterol uptake: comparison between mixed micelles containing lecithin or lysolecithin. Reynier MO, et al. **Lipids** 1985 Mar;20(3):145-50

[Extraction of cholesterol from biological membranes with positively charged micelles of phosphatidylcholine] Borodin EA, et al. **Biull Eksp Biol Med** 1985 Feb; 99(2):164-6 (Eng. Abstr.) **(Rus)**

[Interaction of negatively charged lecithin liposomes with human erythrocytes: a transmission electron microscopy study of ultrathin sections] Belitser NV, et al. **Dokl Akad Nauk SSSR** 1984 Jul-Aug;277(1):210-3 **(Rus)**

PHYSIOLOGY

Growth mechanism of myelin figures of phosphatidylcholine. Sakurai I, et al. **Biochim Biophys Acta** 1984 Nov 7; 777(2):347-51

Inhibition of phosphatidylcholine synthesis does not alter uptake of transferrin by LM fibroblasts. Hanover JA, et al. **Exp Cell Res** 1985 Mar;157(1):276-81

Effect of phospholipid enrichment on nystatin action: differences in antibiotic sensitivity between in vivo and in vitro conditions. Rao TV, et al. **Microbios** 1985; 42(169-170):145-53

[Modification of the electric characteristics of bilayer lipid membranes by intramitochondrial thyroid hormone receptors] Kozhomkulov E, et al. **Probl Endokrinol (Mosk)** 1984 Sep-Oct;30(5):60-3 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

1H- and 2H-n.m.r. studies of water in gamma-irradiated phosphatidylcholine multilamellar liposomes. Guidoni L, et al. **Int J Radiat Biol** 1985 Jul;48(1):117-25

SECRETION

Effect of cytochalasins on surfactant release from alveolar type II cells. Rice WR, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):12-8

THERAPEUTIC USE

Clinical evaluation of compounds for the treatment of memory dysfunction. Growdon JH, et al. **Ann NY Acad Sci** 1985;444:437-49

Piracetam plus lecithin trials in senile dementia of the Alzheimer type. Samorajski T, et al. **Ann NY Acad Sci** 1985;444:478-81

Rational drug treatment of dementia? [letter] Levy R. **Br Med J [Clin Res]** 1985 Jul 13;291(6488):139

Lithium and lecithin treatment in Alzheimer's disease: a pilot study. Randels PM, et al. **Hillside J Clin Psychiatry** 1984; 6(2):139-47

Involutional dementias: new perspectives. Borromei A, et al. **Ital J Neurol Sci** 1985 Jun;6(2):167-71

A double-blind, placebo controlled trial of high-dose lecithin in Alzheimer's disease. Little A, et al. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):736-42

[Modification of serum lipids, lipoproteins and apoproteins AI and B in patients with hyperlipidemia Type IIa and IIb using polyenylphosphatidylcholine] Noseda G, et al. **Schweiz Med Wochenschr** 1985 Jul 27;115(30):1064-70 (Eng. Abstr.) **(Ger)**

[Dietary soya lecithin decreases plasma triglyceride and inhibits platelet aggregation] Aviram M, et al. **Harefuah** 1984 Sep;107(5-6):122-3 (Eng. Abstr.) **(Heb)**

[Phospholipids and arteriosclerosis] Cairella M, et al. **Clin Ter** 1984 Oct 15;111(1):3-7 **(Ita)**

[Alcoholism in the prison environment: a clinical approach] Ceraudo F. **Clin Ter** 1985 Mar 31;112(6):515-20 (Eng. Abstr.) **(Ita)**

[Use of polyunsaturated phosphatidylcholine in physiologic disorders of the cell membrane and of neurotransmission] Favilla M, et al. **Clin Ter** 1984 Aug 31;110(4):363-6 (Eng. Abstr.) **(Ita)**

[Phosphatidylcholine in the control of arteriosclerosis] Salvioli G, et al. **Clin Ter** 1984 Oct 15;111(1):27-44 (102 ref.) (Eng. Abstr.) **(Ita)**

[Lecithin therapy of hereditary ataxia] Trizio M, et al. **Riv Patol Nerv Ment** 1983 Mar-Apr;104(2):49-59 (Eng. Abstr.) **(Ita)**

[Our experience in the treatment of posttraumatic fat embolism] Pashchuk AIu, et al. **Ortop Travmatol Protez** 1984 Oct;(10):44-6 **(Rus)**

PHOSPHATIDYLETHANOLAMINES

Proton-induced fusion of oleic acid-phosphatidylethanolamine liposomes. Düzgüneş N, et al. **Biochemistry** 1985 Jun 18;24(13):3091-8

Agglutination and fusion of globoside GL-4 containing phospholipid vesicles mediated by lectins and calcium ions. Hoekstra D, et al. **Biochemistry** 1985 Jan 29;24(3):565-72

Acid- and calcium-induced structural changes in phosphatidylethanolamine membranes stabilized by cholesteryl hemisuccinate. Lai MZ, et al. **Biochemistry** 1985 Mar 26;24(7):1654-61

Structure and thermotropic properties of phosphatidylethanolamine and its N-methyl derivatives. Mulukutla S, et al. **Biochemistry** 1984 May 22;23(11):2514-9

Effects of replacement of a double bond by a cyclopropane ring in phosphatidylethanolamines: a 2H NMR study of phase transitions and molecular organization. Perly B, et al. **Biochemistry** 1985 Feb 12;24(4):1055-63

Influence of phospholipid peroxidation on the phase behavior of phosphatidylcholine and phosphatidylethanolamine in aqueous dispersions. van Duijn G, et al. **Biochemistry** 1984 Oct 9;23(21):4969-77

A sensitive method to introduce membrane-bound proteins into recipient cells based on affinity enrichment of lipid vesicles to the recipient cell prior to fusion. Eriksson H, et al. **Biochim Biophys Acta** 1985 May 28;815(3):417-25

Thermodynamic reversibility of phase transitions. Specific effects of alcohols on phosphatidylcholines. Rowe ES. **Biochim Biophys Acta** 1985 Mar 14;813(2):321-30

Abscisic acid increases lipid bilayer permeability to cations as studied by phosphorus-31 NMR. Wassall SR, et al. **Biochim Biophys Acta** 1985 May 28;815(3):519-22

Hydration of noncharged lipid bilayer membranes. Theory and experiments with phosphatidylethanolamines. Cevc G, et al. **Biophys J** 1985 Jan;47(1):21-31

Effect of divalent cations on the assembly of neutral and charged phospholipid bilayers in patch-recording pipettes. Coronado R. **Biophys J** 1985 Jun;47(6):851-7

Proton translocation by a native and subunit III-depleted cytochrome c oxidase reconstituted into phospholipid vesicles. Use of fluorescein-phosphatidylethanolamine as an intravesicular pH indicator. Thelen M, et al. **J Biol Chem** 1985 Mar 25;260(6):3626-31

The influence of local anesthetics on molecular organization in phosphatidylethanolamine membranes. Kelusky EC, et al. **Mol Pharmacol** 1984 Sep;26(2):314-21

[Molecular interactions in the membranes of visual photoreceptors. Study using mixed monomolecular film] Tancrède P. **Can J Biochem Cell Biol** 1984 Aug; 62(8):789-95 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Distribution and fate of free and liposome-encapsulated [3H]nor-muramyl dipeptide and [3H]muramyl tripeptide phosphatidylethanolamine in mice. Fogler WE, et al. **J Immunol** 1985 Aug;135(2):1372-7

Protection of mice against fatal herpes simplex type 2 infection by liposomes containing muramyl tripeptide. Koff WC, et al. **Science** 1985 Apr 26;228(4698):495-7

ANALYSIS

Two pools of microsomal phosphatidylethanolamine detected by the use of fluorescamine. Valtersson C, et al. **Acta Chem Scand [B]** 1985;39(5):411-3

Quantification of choline and ethanolamine phospholipids in rabbit myocardium. Creer MH, et al. **Anal Biochem** 1985 Jan;144(1):65-74

Fast-heating mass spectrometry of phosphatidylcholine, lysophosphatidylcholine, phosphatidylethanolamine, and sphingomyelin. Dessort D, et al. **Anal Biochem** 1984 Oct; 142(1):43-52

A study of the molecular species of diacylglycerol, phosphatidylcholine and phosphatidylethanolamine and of cholinephosphotransferase and ethanolaminephosphotransferase activities in the type II pneumocyte. Crecelius CA, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):247-56

Preparation of hydroperoxy and hydroxy derivatives of rat liver phosphatidylcholine and phosphatidylethanolamine. Terao J, et al. **Lipids** 1985 May;20(5):312-7

BIOSYNTHESIS

The biosynthesis of phosphatidylserine and phosphatidylethanolamine from L-[3-14C]serine in isolated rat hepatocytes. Bjerve KS. **Biochim Biophys Acta** 1985 Mar 6;833(3):396-405

Phosphatidylethanolamine synthesis in adult Dirofilaria immitis females. Srivastava AK, et al. **Int J Parasitol** 1985 Aug;15(4):429-33

The utilization of ethanolamine and serine for ethanolamine phosphoglyceride synthesis by human Y79 retinoblastoma cells. Yorek MA, et al. **J Biol Chem** 1985 Mar 10; 260(5):2930-6

Increased arachidonate incorporation in perfused heart phospholipids from vitamin E-deficient rats. Chan AC, et al. **Lipids** 1985 May;20(5):328-30

Dietary fats containing concentrates of cis or trans octadecenoates and the patterns of polyunsaturated fatty acids of liver phosphatidylcholine and phosphatidylethanolamine. Lawson LD, et al. **Lipids** 1985 May;20(5):262-7

BLOOD

Different incorporation rates of arachidonic acid into alkenylacyl-, alkylacyl- and diacylphosphatidylethanolamine of rat erythrocytes. Kaya K, et al. **Biochim Biophys Acta** 1984 Dec 6;796(3):304-11

In vivo externalization of phosphatidylserine and phosphatidylethanolamine in the membrane bilayer and hypercoagulability by the lipid peroxidation of erythrocytes in rats. Jain SK. **J Clin Invest** 1985 Jul; 76(1):281-6

CHEMICAL SYNTHESIS

Synthesis and characterization of methotrexate-dimyristoylphosphatidylethanolamine derivatives and the glycerophosphorylethanolamine analogs. Hashimoto K, et al. **Biochim Biophys Acta** 1985 Jun 11;816(1):163-8

Synthesis and characterization of a highly fluorescent peptidyl-phosphatidylethanolamine. Petrossian A, et al. **J Lipid Res** 1985 Jun;26(6):767-73

IMMUNOLOGY

Interactions of antigen-sensitized liposomes with immobilized antibody: a homogeneous solid-phase immunoliposome assay. Ho RJ, et al. **J Immunol** 1985 Jun;134(6):4035-40

Augmentation of NK cell activity in tissue specific sites by liposomes incorporating MTP-PE. Talmadge JE, et al. **J Immunol** 1985 Aug;135(2):1477-83

Acidic 'peptidophospholipids', a new class of hapten-bearing cell surface modifying reagents. Weltzien HU, et al. **Mol Immunol** 1984 Sep;21(9):801-10

ISOLATION & PURIFICATION

[Isolation of diphosphatidylglycerol, phosphatidylethanolamine and phosphatidylcholine from the bull heart] Kostetskii EIa, et al. **Bioorg Khim** 1985 Mar; 11(3):403-7 (Eng. Abstr.) **(Rus)**

METABOLISM

Evidence for three catalytic sites in heart sarcolemmal phospholipid N-methylation. Ganguly PK, et al. **Adv Myocardiol** 1985;6:157-64

Chemical methylation of phosphatidylethanolamine by S-adenosylmethionine. Bansal VS, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):411-6

Activation of Ca2+-stimulated ATPase by phospholipid N-methylation in cardiac sarcoplasmic reticulum. Ganguly PK, et al. **Biochem Biophys Res Commun** 1985 Jul 16; 130(1):472-8

Molecular species of diacylphosphatidylethanolamine in rat and mouse heart given the same diet. Montfoort A, et al. **Biochem Int** 1983 May;6(5):569-80

Kinetics of cholesterol and phospholipid exchange from membranes containing cross-linked proteins or cross-linked phosphatidylethanolamines. Bittman R, et al. **Biochemistry** 1985 Mar 12;24(6):1403-9

Aggregation, lipid exchange, and metastable phases of dimyristoylphosphatidylethanolamine vesicles. Pryor C, et al. **Biochemistry** 1985 Apr 23;24(9):2203-9

Metabolism of unique diarachidonoyl and linoleoylarachidonoyl species of ethanolamine and choline phosphoglycerides in rat testes. Blank ML, et al. **Biochim Biophys Acta** 1985 Mar 6;833(3):366-71

Specific stimulation of phospholipase activities with phosphatidylethanolamine in transformed cells. Edgar AD, et al. **Biochim Biophys Acta** 1984 Dec 6;796(3):238-42

Comparison of the hydrolysis of phosphatidylethanolamine and phosphatidyl(N-acyl)ethanolamine in Dictyostelium discoideum amoebae. Ellingson JS, et al. **Biochim Biophys Acta** 1984 Nov 14;796(2):155-62

Concurrent disappearance of N-acylethanolamine glycerophospholipids and phagolysosomes enriched in N-acylethanolamine glycerophospholipids as Dictyostelium discoideum cells aggregate. Ellingson JS, et al. **Biochim Biophys Acta** 1985 Jan 10;812(1):255-60

Asymmetric synthesis and transmembrane movement of phosphatidylethanolamine synthesised by base-exchange in rat liver endoplasmic reticulum. Hutson JL, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):236-43

Reutilization of phosphatidylglycerol and phosphatidylethanolamine by the pulmonary surfactant system in 3-day-old rabbits. Jacobs HC, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):172-9

The effect of acidic lipids on the activity of bovine milk galactosyltransferase in vesicles of different phosphatidylethanolamines. Mitranic MM, et al. **Biochim Biophys Acta** 1985 Jun 11;816(1):182-6

Sarcolemmal phosphatidylethanolamine N-methylation in diabetic cardiomyopathy. Ganguly PK, et al. **Circ Res** 1984 Oct;55(4):504-12

Methylation of hippocampal phosphatidylethanolamine and proteins during long-lasting potentiation. Benjamin AM, et al. **Experientia** 1985 Feb 15;41(2):278-80

Rapid kinetics of Ca2+-induced fusion of phosphatidylserine/phosphatidylethanolamine vesicles. The effect of bilayer curvature on leakage. Morris SJ, et al. **J Biol Chem** 1985 Apr 10;260(7):4122-7

Transbilayer movement of a fluorescent phosphatidylethanolamine analogue across the plasma membranes of cultured mammalian cells. Sleight RG, et al. **J Biol Chem** 1985 Jan 25;260(2):1146-54

Origin and fate of the lysophosphatidylethanolamine in a chain-forming mutant (envC) of Escherichia coli. Michel GP, et al. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1391-8

Rat brain phosphatidyl-N,N-dimethylethanolamine is rich in polyunsaturated fatty acids. Tacconi M, et al. **J Neurochem** 1985 Sep;45(3):805-9

Phosphatidylethanolamine methylation in intestinal brush border membranes from rats resistant to Trichinella spiralis. Harari Y, et al. **Mol Biochem Parasitol** 1985 Jun; 15(3):317-26

Turnover of ethanolamine phosphoglycerides in different brain areas of adult and aged rats. Gaiti A, et al. **Neurochem Res** 1984 Nov;9(11):1549-58

Excimer formation of N-(1-pyrenesulfonyl)-dipalmitoyl-L-alpha-phosphatidyle at the lipid-water interface of fat cell plasma membranes. Kaneda N, et al. **Photochem Photobiol** 1985 May;41(5):519-25

Sterol control of the phosphatidylethanolamine-phosphatidylcholine conversion in the yeast mutant GL7. Kawasaki S, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5715-9

PHARMACODYNAMICS

Inhibition of cell proliferation and dihydrofolate reductase by liposomes containing methotrexate-dimyristoylphosphatidylethanolamine derivatives and by the glycerophosphorylethanolamine analogs. Hashimoto K, et al. **Biochim Biophys Acta** 1985 Jun 11;816(1):169-78

Stimulation of the hormone-sensitive triacylglycerol lipase from adipose tissue by phosphatidylethanolamine. Severson DL, et al. **Biochim Biophys Acta** 1985 May 30;845(2):283-91

Experimental autoimmune encephalomyelitis. Augmentation of demyelination by different myelin lipids. Moore GR, et al. **Lab Invest** 1984 Oct;51(4):416-24

PHYSIOLOGY

Proton/hydroxide conductance through lipid bilayer membranes. Gutknecht J. **J Membr Biol** 1984;82(1):105-12

Effect of phospholipid surface charge on the conductance and gating of a Ca2+-activated K+ channel in planar lipid bilayers. Moczydlowski E, et al. **J Membr Biol** 1985;83(3):273-82

Effect of phospholipid enrichment on nystatin action: differences in antibiotic sensitivity between in vivo and in vitro conditions. Rao TV, et al. **Microbios** 1985;42(169-170):145-53

On the correlation between HII phase and the contact-induced destabilization of phosphatidylethanolamine-containing membranes. Bentz J, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5742-5

URINE

Selective urinary excretion of phosphatidyl ethanolamine in patients with chronic glomerular diseases. Mimura K, et **Metabolism** 1984 Oct;33(10):882-90

PHOSPHATIDYLGLYCEROLS

Transfer of liposome-encapsulated plasmid DNA to Bacillus subtilis protoplasts and calcium-treated Escherichia coli cells. Holubová I, et al. **Folia Microbiol (Praha)** 1985;30(2):97-100

Amino conjugates of a phosphatidylglycerol oxidation product: novel adjuncts for liposome preparation. Campbell PI. **Med Hypotheses** 1984 Oct;15(2):149-53

Utilization of heavy-atom effect quenching of pyrene fluorescence to determine the intramembrane distribution of halothane. Washington K, et al. **Photochem Photobiol** 1984 Dec;40(6):693-701

ANALYSIS

Avoiding prematurity in elective repeat cesarean section. A role for amniotic fluid phosphatidylglycerol. Gross TL, et al. **Acta Obstet Gynecol Scand** 1984;63(8):683-6

False phosphatidylglycerol with Helena Fetal Tek 200 thin-layer chromatography method for fetal lung maturity [letter] Cotton DB, et al. **Am J Obstet Gynecol** 1985 Feb 1;151(3):417-9

Laboratory and clinical evaluation of a rapid slide agglutination test for phosphatidylglycerol. Halvorsen PR, et al. **Am J Obstet Gynecol** 1985 Apr 15;151(8):1061-6

Effect of meconium on the detection of phosphatidylglycerol. Yambao TJ, et al. **Am J Obstet Gynecol** 1984 Oct 15;150(4):426-30

Three methods compared for determining phosphatidylglycerol in amniotic fluid. Coapman-Hankin RA, et al. **Clin Chem** 1985 Aug;31(8):1374-6

Standard lecithin/sphingomyelin and phosphatidylglycerol techniques compared with immunologic slide test. Knight JA, et al. **Obstet Gynecol** 1985 Jun;65(6):840-3

[Assessment of fetal lung maturity by determination of phosphatidylglycerol in human amniotic fluid] Muneshige A, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Mar;37(3):341-8 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Regulation and location of phosphatidylglycerol and phosphatidylinositol synthesis in type II cells isolated from fetal rat lung. Batenburg JJ, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):17-24

Catabolism of myo-inositol to precursors utilized for de novo glycerolipid biosynthesis. Fliesler SJ, et al. **J Neurochem** 1985 Jan;44(1):171-4

CHEMICAL SYNTHESIS

Transmembrane movement of phosphatidylglycerol and diacylglycerol sulfhydryl analogues. Ganong BR, et al. **Biochemistry** 1984 Oct 9;23(21):4977-83

DEFICIENCY

Composition and surface activity of normal and phosphatidylglycerol-deficient lung surfactant. Hallman M, et al. **Pediatr Res** 1985 Mar;19(3):286-92

METABOLISM

Bacteria causing false positive test for phosphatidylglycerol in amniotic fluid. Schumacher RE, et al. **Am J Obstet Gynecol** 1985 Apr 15;151(8):1067-8

The role of charge microheterogeneity of human myelin basic protein in the formation of phosphatidylglycerol multilayers. Brady GW, et al. **Biochem Biophys Res Commun** 1985 Feb 15;126(3):1161-5

Phosphatidyl glycerolphosphate serves as glycerolphosphate donor in polymer synthesis. Chiu TH, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):906-12

Phosphatidylglycerol as biosynthetic precursor for the poly(glycerol phosphate) backbone of bifidobacterial lipoteichoic acid. Op den Camp HJ, et al. **Biochem J** 1985 Jun 15;228(3):683-8

Sidedness studies of thylakoid phosphatidylglycerol in higher plants. Unitt MD, et al. **Biochem J** 1985 Jun 15;228(3):707-11

Reutilization of phosphatidylglycerol and phosphatidylethanolamine by the pulmonary surfactant system in 3-day-old rabbits. Jacobs HC, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):172-9

PHARMACODYNAMICS

Phosphatidylglycerol stimulates cholinephosphate cytidylyltransferase activity and phosphatidylcholine synthesis in type II pneumocytes. Gilfillan AM, et al. **Biochim Biophys Acta** 1985 Jun 14;835(1):141-6

Modulation of Escherichia coli N-acetylmuramoyl-L-alanine amidase activity by phosphatidylglycerol. Vanderwinkel E, et al. **Biochim Biophys Acta** 1985 Jan 28;838(1):54-9

Role of supernatant protein factor and anionic phospholipid in squalene uptake and conversion by microsomes. Chin J, et al. **J Biol Chem** 1984 Oct 10;259(19):11735-8

[Effect of phosphatidylglycerol on the incorporation process of cytochrome P-450 in liposomes from dimyristoylphosphatidylcholine] Akhrem AA, et al. **Biokhimiia** 1985 Jan;50(1):97-101 (Eng. Abstr.) **(Rus)**

PHOSPHATIDYLINOSITOL PHOSPHATES see **PHOSPHOINOSITIDES**

PHOSPHATIDYLINOSITOLS

ANALYSIS

Phosphatidylinositol composition in pancreas and submaxillary gland of ethanol-fed rats. Cronholm T, et al. **Alcohol** 1985 Jan-Feb;2(1):183-6

Separation of inositol phosphates and glycerophosphoinositol phosphates by high-performance liquid chromatography. Binder H, et al. **Anal Biochem** 1985 Jul;148(1):220-7

Inositol phospholipid levels of rat forebrain obtained by freeze-blowing method. Nishihara M, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):415-8

Phosphatidylinositomannosides in lepromatous leprosy nodules. Khandke L, et al. **Indian J Med Res** 1984 Sep;80:259-63

BIOSYNTHESIS

Enhanced de novo synthesis of phosphatidic acid and phosphatidylinositol in rat pancreatic islets exposed to nutrient or neurotransmitter stimuli. Best L, et al. **Arch Biochem Biophys** 1984 Oct;234(1):253-7

Regulation and location of phosphatidylglycerol and phosphatidylinositol synthesis in type II cells isolated from fetal rat lung. Batenburg JJ, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):17-24

Effects of prostaglandins and luteinizing hormone-releasing hormone on phosphatidic acid-phosphatidylinositol labeling in rat granulosa cells. Minegishi T, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):320-4

Effect of nucleotides on the incorporation of myo-inositol into phosphatidylinositol in rat liver microsomes. Zborowski J, et al. **Int J Biochem** 1984;16(12):1367-71

BLOOD

Inositol lipids, phosphatidate and diacylglycerol share stearoylarachidonoylglycerol as a common backbone in thrombin-stimulated human platelets. Mauco G, et al. **Biochem J** 1984 Dec 15;224(3):933-40

Mechanism of desensitization of neutrophil response to N-formylmethionylleucylphenylalanine by slow rate of receptor occupancy. Studies on changes in Ca2+ concentration and phosphatidylinositol turnover. De Togni P, et al. **Biochim Biophys Acta** 1985 Jan 28;838(1):23-31

The rapid formation of inositol phosphates in human platelets by thrombin is inhibited by prostacyclin. Watson SP, et al. **J Biol Chem** 1984 Nov 10;259(21):13199-203

The phosphatidylinositol response and proliferation of oxidative enzyme-activated human T lymphocytes: suppression by plasma lipoproteins. Akeson AL, et al. **J Lipid Res** 1984 Nov;25(11):1195-205

METABOLISM

Phosphatidylinositol turnover in receptor mechanism and signal transduction. Hirasawa K, et al. **Annu Rev Pharmacol Toxicol** 1985;25:147-70 (158 ref.)

The contribution of inositol exchange to agonist-stimulated breakdown of myo- [2-3H] inositol-labelled phosphatidylinositol in mouse exocrine pancreas. Tennes KA, et al. **Aust J Exp Biol Med Sci** 1984 Jun;62 (Pt 3):303-8

A tumor promoter enhances the phosphorylation of polyphosphoinositides while decreasing phosphatidylinositol labelling in lymphocytes. Boon AM, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):431-8

Tetanus toxin induces fusion and aggregation of lipid vesicles containing phosphatidylinositol at low pH. Cabiaux V, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):840-9

Regulation of plasma membrane Ca2+ ATPases by lipids of the phosphatidylinositol cycle. Choquette D, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):908-15

Cyclic AMP-dependent protein kinase stimulates the phosphorylation of phosphatidylinositol to phosphatidylinositol-4-monophosphate in a plasma membrane preparation from pig granulocytes. Farkas G, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):871-6

Platelet-activating factor promotes arachidonate incorporation into phosphatidylinositol and phosphatidylcholine in neutrophils. Tou J. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):1045-51

Specific binding of concanavalin A to free inositol and liposomes containing phosphatidylinositol. Wassef NM, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):76-83

The action of substance P on contraction, inositol phospholipids and adenylate cyclase in rat small intestine. Watson SP. **Biochem Pharmacol** 1984 Dec 1;33(23):3733-7

Inositol lipids and cell proliferation. Berridge MJ, et al. **Biochem Soc Trans** 1985 Feb;13(1):67-71

Contrasting roles for receptor-stimulated inositol lipid metabolism in secretory cells. Cockcroft S. **Biochem Soc Trans** 1984 Dec;12(6):966-8

The role of inositol lipids in hormonal mobilization of cell-associated Ca2+. Drummond AH, et al. **Biochem Soc Trans** 1985 Feb;13(1):58-60

Phosphatidylinositol hydrolysis and phosphatidylinositol 4',5-diphosphate hydrolysis are separable responses during secretagogue action in the rat pancreas. Farese RV, et al. **Biochim Biophys Acta** 1985 Aug 30;846(2):296-304

Changes in [3H]inositol-labelled phosphoinositides of pig platelets in response to thrombin. Lymberopoulos G, et al. **Biochim Biophys Acta** 1984 Nov 13;805(3):285-90

Co-mitogenic tumor promoters suppress the phosphatidylinositol response in lymphocytes during early mitogenesis. Mellors A, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):181-8

Molecular species of phosphatidylinositol, phosphatidic acid and diacylglycerol in a phytohemagglutinin-stimulated T-cell leukemia line. Sasaki T, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):316-22

Enhanced turnover of arachidonic acid-containing species of phosphatidylinositol and phosphatidic acid of concanavalin A-stimulated lymphocytes. Sugiura T, et al. **Biochim Biophys Acta** 1984 Nov 14;796(2):190-8

Histamine-induced inositol phospholipid breakdown in the longitudinal smooth muscle of guinea-pig ileum. Donaldson J, et al. **Br J Pharmacol** 1985 Jun;85(2):499-512

Neurotensin stimulates inositol phospholipid hydrolysis in rat brain slices. Goedert M, et al. **Brain Res** 1984 Dec 3;323(1):193-7

The effect of osteocalcin on in vitro lipid-induced hydroxyapatite formation and seeded hydroxyapatite growth. Boskey AL, et al. **Calcif Tissue Int** 1985 Jan;37(1):57-62

Evaluation of the fatty acid selectivity of a phosphatidylinositol-specific cytosolic phospholipase C from pig and human platelets. Holub BJ, et al. **Can J Biochem Cell Biol** 1984 Feb-Mar;62(2-3):115-20

Metabolic fate of liposomal phosphatidylinositol in murine tumor cells: implications for the mechanism of tumor cell cytotoxicity. Jett M, et al. **Cancer Res** 1985 Oct;45(10):4810-5

Correlation between phosphatidylinositol degradation and cell division in embryonic chicken lens epithelia. Zelenka PS, et al. **Dev Biol** 1984 Oct;105(2):325-9

Pressor-type vasopressin receptors in the adrenal cortex: properties of binding, effects on phosphoinositide metabolism and aldosterone secretion. Balla T, et al. **Endocrinology** 1985 Jul;117(1):421-3

Activation of phosphatidylinositol turnover in rat aorta by alpha 1-adrenergic receptor stimulation. Legan E, et al. **Eur J Pharmacol** 1985 Apr 16;110(3):389-90

Receptor interactions in stimulation of hydrolysis of inosito phospholipids. Roberts ML, et al. **Eur J Pharmacol** 198 Feb 26;109(2):293-6

gamma-Hexachlorocyclohexane activation of alveola macrophage phosphatidylinositol cycle, calcium mobilization of O2- production. Holian A, et al. **FEBS Lett** 1984 Oct 15;176(1):151-4

Vasopressin rapidly stimulates phosphatidic acid-phosphatidylinositol turnover in rat anterior pituitar cells. Raymond V, et al. **FEBS Lett** 1985 Mar 11 182(1):196-200

NEWARK PUBLIC LIBRARY

Abnormal phosphatidylinositol-cycle of platelet membrane in schizophrenia--a preliminary study. Kaiya H, et al. **Folia Psychiatr Neurol Jpn** 1984;38(4):437-44

Possible role of phosphatidylinositol turnover in insulin release from isolated rat pancreatic islets. Tanigawa K, et al. **Horm Metab Res** 1984 Sep;16(9):458-60

Phosphatidylinositol-specific phospholipase C activity of chromaffin granule-binding proteins. Creutz CE, et al. **J Biol Chem** 1985 Jun 25;260(12):7171-3

Secretogogue-stimulated phosphatidylinositol breakdown in the exocrine pancreas liberates arachidonic acid, stearic acid, and glycerol by sequential actions of phospholipase C and diglyceride lipase. Dixon JF, et al. **J Biol Chem** 1984 Dec 10;259(23):14418-25

Adenosine and 5'-chloro-5'-deoxyadenosine inhibit the phosphorylation of phosphatidylinositol and myosin light chain in calf aorta smooth muscle. Doctrow SR, et al. **J Biol Chem** 1985 Mar 25;260(6):3469-76

Phosphatidylinositol turnover in isolated soybean membranes stimulated by the synthetic growth hormone 2,4-dichlorophenoxyacetic acid. Morré DJ, et al. **J Biol Chem** 1984 Dec 25;259(24):15364-8

Lipopolysaccharide and phorbol esters induce differentiation but have opposite effects on phosphatidylinositol turnover and Ca2+ mobilization in 70Z/3 pre-B lymphocytes. Rosoff PM, et al. **J Biol Chem** 1985 Aug 5;260(16):9209-15

Calcium regulation of phosphatidyl inositol turnover in macrophage activation by formyl peptides. Holian A, et al. **J Cell Physiol** 1985 Apr;123(1):39-45

B cell activation. VIII. Membrane immunoglobulins transduce signals via activation of phosphatidylinositol hydrolysis. Coggeshall KM, et al. **J Immunol** 1984 Dec; 133(6):3382-6

Increased phosphatidylinositol metabolism is an important but not an obligatory early event in B lymphocyte activation. Grupp SA, et al. **J Immunol** 1985 Jun; 134(6):4087-94

Effects of neuronal activity on inositol phospholipid metabolism in the rat autonomic nervous system. Briggs CA, et al. **J Neurochem** 1985 Mar;44(3):731-9

Muscarinic receptors and hydrolysis of inositol phospholipids in rat cerebral cortex and parotid gland. Jacobson MD, et al. **J Neurochem** 1985 Feb;44(2):465-72

Tetraenoic species are conserved in muscarinically enhanced inositide turnover. Van Rooijen LA, et al. **J Neurochem** 1985 Feb;44(2):540-3

Muscarine stimulates the hydrolysis of inositol-containing phospholipids in the superior cervical ganglion. Horwitz J, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):235-41

Effects of aminoglycosides on proximal tubule brush border membrane phosphatidylinositol-specific phospholipase C. Schwertz DW, et al. **J Pharmacol Exp Ther** 1984 Oct; 231(1):48-55

Cholecystokinin receptor mediated hydrolysis of inositol phospholipids in guinea pig gastric glands. Chang RS, et al. **Life Sci** 1985 Mar 11;36(10):965-71

Characterization of neurotransmitter receptor-mediated phosphatidylinositol hydrolysis in the rat hippocampus. Janowsky A, et al. **Life Sci** 1984 Nov 5;35(19):1953-61

Phosphatidylinositol metabolism during fertilization in the sea urchin egg. Kamel LC, et al. **Lipids** 1985 Jun; 20(6):350-6

Direct chemical measurement of receptor-mediated changes in phosphatidylinositol levels in isolated rat liver plasma membranes. Eichberg J, et al. **Methods Enzymol** 1985; 109:504-13

The relationship between phosphatidylinositol metabolism and mobilization of intracellular calcium elicited by alpha1-adrenergic receptor stimulation in BC3H-1 muscle cells. Ambler SK, et al. **Mol Pharmacol** 1984 Nov; 26(3):405-13

Selective 5HT-2 antagonists inhibit serotonin stimulated phosphatidylinositol metabolism in cerebral cortex. Conn PJ, et al. **Neuropharmacology** 1984 Aug;23(8):993-6

Aortic recognition sites for serotonin (5HT) are coupled to phospholipase C and modulate phosphatidylinositol turnover. Roth BL, et al. **Neuropharmacology** 1984 Oct; 23(10):1223-5

Pharmacomechanical coupling in smooth muscle may involve phosphatidylinositol metabolism. Baron CB, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(21):6899-903

Phorbol esters promote alpha 1-adrenergic receptor phosphorylation and receptor uncoupling from inositol phospholipid metabolism. Leeb-Lundberg LM, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5651-5

Evidence from two transformed cell lines that the phosphorylations of peptide tyrosine and phosphatidylinositol are catalyzed by different proteins. MacDonald ML, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):3993-7

Brain cortex phosphatidylserine inhibits phosphatidylinositol turnover in rat anterior pituitary glands. Bonetti AC, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):79-83

Physiological actions of phosphatidylinositol-specific phospholipase C from Bacillus thuringiensis on KB III cells: alkaline phosphatase release and growth inhibition. Ikezawa H, et al. **Toxicon** 1985 23(1):145-55

Phosphatidylinositol turnover regulates arterial (Na+-K+)-ATPase activity. Simmons DA, et al. **Trans Assoc Am Physicians** 1983;96:10-8

Activation of plasma membrane phosphatidylinositol turnover by hormones. Fain JN. **Vitam Horm** 1984; 41:117-60 (170 ref.)

Phosphatidylinositol-specific phospholipase C from bovine blood platelets. Inhibition by calmodulin-inhibitors--activation by ATP and ADP. Benedikter H, et al. **Z Naturforsch [C]** 1985 Jan-Feb; 40(1-2):68-72

[Receptor activation and inositol phospholipids] Takenawa T. **Seikagaku** 1985 Jan;57(1):1-19 (207 ref.) **(Jpn)**

PHARMACODYNAMICS

Inhibitory action of phosphatidylinositol on synaptosomal (Na+ + K+)-ATPase activity. Nishikawa T, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):893-900

Protein kinase C phosphorylates the synthetic peptide Arg-Arg-Lys-Ala-Ser-Gly-Pro-Pro-Val in the presence of phospholipid plus either Ca2+ or a phorbol ester tumor promoter. O'Brian CA, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):296-302

Effect of L-alpha-phosphatidylinositol on a vascular smooth muscle Ca2+-dependent protease. Reduction of the Ca2+ requirement for autolysis. Coolican SA, et al **J Biol Chem** 1984 Oct 10;259(19):11627-30

PHYSIOLOGY

Receptors and phosphoinositide-generated second messengers. Hokin LE. **Annu Rev Biochem** 1985;54:205-35 (351 ref.)

CA++ in fertilization and mitosis: the phosphatidylinositol cycle in sea urchin gametes and zygotes is involved in control of fertilization and mitosis. Sillers PJ, et al. **Cell Biol Int Rep** 1985 Mar;9(3):275-82

Absence of phosphatidylinositol phosphodiesterase in the head of a Drosophila visual mutant, norpA (no receptor potential A). Yoshioka T, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1251-4

Inositol trisphosphate, a novel second messenger in cellular signal transduction. Berridge MJ, et al. **Nature** 1984 Nov 22-28;312(5992):315-21 (140 ref.)

PHOSPHATIDYLSERINE SYNTHETASE see under **PHOSPHOTRANSFERASES**

PHOSPHATIDYLSERINES

Temperature dependence of divalent cation induced fusion of phosphatidylserine liposomes: evaluation of the kinetic rate constants. Bentz J, et al. **Biochemistry** 1985 Feb 12; 24(4):1064-72

Interaction of gentamicin and spermine with bilayer membranes containing negatively charged phospholipids. Chung L, et al. **Biochemistry** 1985 Jan 15;24(2):442-52

H+- and Ca2+-induced fusion and destabilization of liposomes. Ellens H, et al. **Biochemistry** 1985 Jun 18; 24(13):3099-106

Modulation of membrane fusion by membrane fluidity: temperature dependence of divalent cation induced fusion of phosphatidylserine vesicles. Wilschut J, et al. **Biochemistry** 1985 Jan 1;24(1):8-14

Micromolar concentrations of Al3+ induce phase separation, aggregation and dye release in phosphatidylserine-containing lipid vesicles. Deleers M, et al. **Biochim Biophys Acta** 1985 Mar 14;813(2):195-200

Effect of divalent cations on the assembly of neutral and charged phospholipid bilayers in patch-recording pipettes. Coronado R. **Biophys J** 1985 Jun;47(6):851-7

Dynamic morphology of calcium-induced interactions between phosphatidylserine vesicles. Rand RP, et al. **Biophys J** 1985 Apr;47(4):483-9

Prothrombin fragment 1-membrane interactions: a calcium-43 NMR study. Bouhoutsos-Brown E, et al. **J Inorg Biochem** 1984 Aug;21(4):337-43

BIOSYNTHESIS

The biosynthesis of phosphatidylserine and phosphatidylethanolamine from L-[3-14C]serine in isolated rat hepatocytes. Bjerve KS. **Biochim Biophys Acta** 1985 Mar 6;833(3):396-405

Isolation of a somatic-cell mutant defective in phosphatidylserine biosynthesis. Kuge O, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):1926-30

BLOOD

In vivo recognition and clearance of red blood cells containing phosphatidylserine in their plasma membranes. Schroit AJ, et al. **J Biol Chem** 1985 Apr 25;260(8):5131-8

In vivo externalization of phosphatidylserine and phosphatidylethanolamine in the membrane bilayer and hypercoagulability by the lipid peroxidation of erythrocytes in rats. Jain SK. **J Clin Invest** 1985 Jul; 76(1):281-6

Increased adherence of sickled and phosphatidylserine-enriched human erythrocytes to cultured human peripheral blood monocytes. Schwartz RS, et al. **J Clin Invest** 1985 Jun;75(6):1965-72

METABOLISM

Flow cytofluorometric investigation of the uptake by hepatocytes and spleen cells of targeted and untargeted liposomes injected intravenously into mice. Grosse E, et al. **Biochim Biophys Acta** 1984 Dec 11;805(4):354-61

Comparative structural aspects of cation binding to phosphatidylserine bilayers. Hauser H, et al. **Biochim Biophys Acta** 1985 Mar 14;813(2):343-6

The effect of osteocalcin on in vitro lipid-induced hydroxyapatite formation and seeded hydroxyapatite growth. Boskey AL, et al. **Calcif Tissue Int** 1985 Jan; 37(1):57-62

The adsorption of prothrombin to phospholipid monolayers quantitated by ellipsometry. Kop JM, et al. **J Biol Chem** 1984 Nov 25;259(22):13993-8

Rapid kinetics of Ca2+-induced fusion of phosphatidylserine/phosphatidylethanolamine vesicles. The effect of bilayer curvature on leakage. Morris SJ, et al. **J Biol Chem** 1985 Apr 10;260(7):4122-7

PHARMACODYNAMICS

Pharmacological effect of phosphatidylserine on age-dependent memory dysfunction. Calderini G, et al. **Ann NY Acad Sci** 1985;444:504-6

Increase of globin RNA synthesis induced by phosphatidylserine liposomes in isolated erythroleukemic cell nuclei. Morphological and functional features. Cocco L, et al. **Biol Cell** 1985;54(1):49-56

Response of isolated nuclei to phospholipid vesicles: a two dimensional gel electrophoresis analysis of H2SO4 soluble nuclear proteins after treatment with phosphatidylserine. Martelli AM, et al. **Cell Biol Int Rep** 1985 Feb;9(2):117-26

Gaucher disease: the effects of phosphatidylserine on glucocerebrosidase from normal and Gaucher fibroblasts. Choy FY. **Hum Genet** 1984;67(4):432-6

Activation of protein kinase C by Triton X-100 mixed micelles containing diacylglycerol and phosphatidylserine. Hannun YA, et al. **J Biol Chem** 1985 Aug 25; 260(18):10039-43

Activation of human platelets by N-substituted aminophospholipids. Martin TW, et al. **J Biol Chem** 1985 Mar 10;260(5):2852-6

Experimental autoimmune encephalomyelitis. Augmentation of demyelination by different myelin lipids. Moore GR, et al. **Lab Invest** 1984 Oct;51(4):416-24

Synergism between lysophosphatidylserine and the phorbol ester tetradecanoylphorbolacetate in rat mast cells. Battistella A, et al. **Life Sci** 1985 Apr 22;36(16):1581-7

Behavioral effects of phosphatidylserine in the aged Fischer 344 rat: amelioration of passive avoidance deficits without changes in psychomotor task performance. Corwin J, et al. **Neurobiol Aging** 1985 Spring;6(1):11-5

Brain cortex phosphatidylserine inhibits phosphatidylinositol turnover in rat anterior pituitary glands. Bonetti AC, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):79-83

The diagnosis of lupus anticoagulants by the activated partial thromboplastin time--the central role of phosphatidyl serine. Kelsey PR, et al. **Thromb Haemost** 1984 Oct 31; 52(2):172-5

PHYSIOLOGY

Effect of organic mercury on the electrical resistance of phosphatidylserine bilayers. Paiement J, et al. **Biochim Biophys Acta** 1985 Jun 11;816(1):179-81

The recognition of red blood cells by macrophages: role of phosphatidylserine and possible implications of membrane phospholipid asymmetry. Schroit AJ, et al. **Biol Cell** 1984; 51(2):227-38

Phosphatidylserine and ornithine-containing lipids of Bordetella, hemagglutinins of lipoamino acid structure, and their control in biomembranes. Kawai Y, et al. **Eur J Biochem** 1985 Mar 1;147(2):367-70

Effect of phospholipid surface charge on the conductance and gating of a Ca2+-activated K+ channel in planar lipid bilayers. Moczydlowski E, et al. **J Membr Biol** 1985; 83(3):273-82

[Studies of phosphorylation in rat mast cells (fourth report)--isolation of calcium-activated, phosphatidylserine and diacylglycerol-dependent protein kinase] Kurosawa M, et al. **Arerugi** 1984 Dec;33(12):1053-8 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Synergistic effect of phosphatidylserine with gamma-aminobutyric acid in antagonizing the isoniazid-induced convulsions in mice. Toffano G, et al. **Neurochem Res** 1984 Aug;9(8):1065-73

PHOSPHENES see under **VISION**

PHOSPHINES

Phosphine fumigation of thick-film polyethylene food bags and laminated film food packets. Highland HA, et al. **J Econ Entomol** 1984 Aug;77(4):1041-5

ANALYSIS

Zinc phosphide in subterranean burrow systems. Tickes BR. **Bull Environ Contam Toxicol** 1985 Apr;34(4):557-9

Spectrophotometric determination of phosphine residues in rice. Rangaswamy JR, et al. **J Assoc Off Anal Chem** 1985 Mar-Apr;68(2):205-8

Determination of phosphine: comparison of rates of desorption by purge-and-trap method and by sulfuric acid treatment. Saeed T, et al. **J Assoc Off Anal Chem** 1985 Jan-Feb;68(1):61-4

ARK PUBLIC LIBRARY

[PH3 residues in hazelnuts, soybeans and wheat following phosphine fumigation with non-constant concentrations] Noack S, et al. **Z Lebensm Unters Forsch** 1985 Feb; 180(2):101-8 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Myocardial scintigraphy with 99mTc-tris-DMPE in man. Gerson MC, et al. **Eur J Nucl Med** 1984;9(9):403-7

METABOLISM

Transport of 42K+, 201Tl+ and [99mTc(dmpe)2.Cl2]+ by neonatal rat myocyte cultures. Delano ML, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3377-80

Comparison of the transport of 42K+, 22Na+, 201Tl+, and [99mTc(dmpe)2 X Cl2]+ using human erythrocytes. Sands H, et al. **Biochim Biophys Acta** 1985 Feb 14;812(3):665-70

POISONING

Aluminium phosphide ingestion. Singh S, et al. **Br Med J [Clin Res]** 1985 Apr 13;290(6475):1110-1

PHOSPHINIC ACIDS

In the search for new anticancer drugs. 13. Phosphonic and phosphinic analogues of ornithine. Sosnovsky G, et al. **J Med Chem** 1985 Sep;28(9):1350-4

PHARMACODYNAMICS

Reactivation of carboxylester hydrolase following inhibition by 4-nitrophenyl organophosphinates. Bryson PK, et al. **Biochem Pharmacol** 1985 May 15;34(10):1789-94

Spontaneous reactivation of phosphinylated human erythrocyte acetylcholinesterase and human serum butyrylcholinesterase. Lawson MA, et al. **Life Sci** 1985 May 6;36(18):1715-20

THERAPEUTIC USE

[Pain-alleviating action of gidifen and its combinations with analgesics] Aleksandrova GM, et al. **Farmakol Toksikol** 1985 May-Jun;48(3):29-33 (Eng. Abstr.) **(Rus)**

TOXICITY

Mutagenic potential of 4 organophosphinate compounds. Powers NR, et al. **Toxicol Lett** 1984 Oct;23(1):33-6

PHOSPHINOUS ACIDS

BIOSYNTHESIS

Studies on the biosynthesis of bialaphos (SF-1293). 5. Production of 2-phosphinomethylmalic acid, an analogue of citric acid by Streptomyces hygroscopicus SF-1293 and its involvement in the biosynthesis of bialaphos. Seto H, et al. **J Antibiot (Tokyo)** 1984 Nov;37(11):1509-11

PHOSPHOADENOSINE PHOSPHOSULFATE see under **ADENINE NUCLEOTIDES**

PHOSPHOCREATINE

Structures of manganese(II) complexes with ATP, ADP, and phosphocreatine in the reactive central complexes with creatine kinase: electron paramagnetic resonance studies with oxygen-17-labeled ligands. Leyh TS, et al. **Biochemistry** 1985 Jan 15;24(2):308-16

[Effectiveness of protecting the myocardium against ischemia with a normothermic cardioplegic solution and creatine phosphate] Popov IuV, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):108-10 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Evaluation of the hemodynamic effects of acute infusion and short-term treatment with creatine phosphate] Acito P, et al. **Clin Ter** 1984 Dec 15;111(5):427-33 (Eng. Abstr.) **(Ita)**

ANALYSIS

The separation of phosphocreatine from creatine, and pH determination in frog muscle by natural abundance 13C-NMR. Arus C, et al. **Biochim Biophys Acta** 1985 Jan 18;844(1):91-3

Maintenance of regional chemical integrity for energy metabolites in microwave heat inactivated mouse brain. McCandless DW, et al. **Brain Res Bull** 1984 Aug; 13(2):253-5

A new device for the efficient pulverisation and extraction of myocardial biopsies for high energy phosphate analysis. Speir EH, et al. **Cardiovasc Res** 1985 Jul;19(7):449-51

High-performance liquid chromatographic method for the simultaneous determination of myocardial creatine phosphate and adenosine nucleotides [letter] Harmsen E, et al. **J Chromatogr** 1985 Jan 11;337(1):201-3

High-energy phosphate compounds in slow-twitch and fast-twitch muscle fibres. Changes during exercise in some neuromuscular diseases. Rehunen S, et al. **J Neurol Sci** 1985 Mar;67(3):299-306

Catecholamine, adenosine triphosphate, and P-creatine levels in decapitated whole mouse brain. Corder CN, et al. **J Pharmacol Methods** 1985 Feb;13(1):37-42

BIOSYNTHESIS

Studies on phosphagen synthesis by mitochondrial preparations. Hird FJ, et al. **Comp Biochem Physiol [B]** 1985;80(3):517-20

METABOLISM

Coronary hyperemia and cardiac hypertrophy following inhibition of fatty acid oxidation. Evidence of a regulatory role for cytosolic phosphorylation potential. Higgins AJ, et al. **Adv Myocardiol** 1985;6:329-38

Rebound recovery of myocardial creatine phosphate with reperfusion after ischemia. Ichihara K, et al. **Am Heart J** 1984 Dec;108(6):1594-7

Phosphagens and intracellular pH in intact rabbit smooth muscle studied by 31P-NMR. Hellstrand P, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):C320-9

31P-nuclear magnetic resonance analysis of perfused single frog skins. Lin LE, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):C177-80

Myofibrillar end of the creatine phosphate energy shuttle. Savabi F, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):C424-32

The creatine-creatine phosphate energy shuttle. Bessman SP, et al. **Annu Rev Biochem** 1985;54:831-62 (162 ref.)

High-energy phosphate metabolism in vascular smooth muscle. Butler TM, et al. **Annu Rev Physiol** 1985;47:629-43 (77 ref.)

Respiratory control and the integration of heart high-energy phosphate metabolism by mitochondrial creatine kinase. Jacobus WE. **Annu Rev Physiol** 1985;47:707-25 (85 ref.)

Effects of recurrent ischemia on myocardial high energy phosphate content in canine hearts. Lange R, et al. **Basic Res Cardiol** 1984 Jul-Aug;79(4):469-78

31P-saturation-transfer nuclear-magnetic-resonance measurements of phosphocreatine turnover in guinea-pig brain slices. Morris PG, et al. **Biochem J** 1985 May 1; 227(3):777-82

Metabolite channeling: a phosphorylcreatine shuttle to mediate high energy phosphate transport between sperm mitochondrion and tail. Tombes RM, et al. **Cell** 1985 May; 41(1):325-34

Adenine nucleotide and P-creatine levels in layers of frog retina as a function of dark and light adaptation. Barbehenn EK, et al. **Exp Eye Res** 1985 May;40(5):675-86

Phosphocreatinine, a high-energy phosphate in muscle, spontaneously forms phosphocreatine and creatinine under physiological conditions. Iyengar MR, et al. **J Biol Chem** 1985 Jun 25;260(12):7562-7

First-order kinetics of muscle oxygen consumption, and an equivalent proportionality between QO2 and phosphorylcreatine level. Implications for the control of respiration. Mahler M. **J Gen Physiol** 1985 Jul;86(1):135-65

A macrophage-mediated factor that increases the high energy phosphate content of skeletal muscle. Morris AS, et al. **J Surg Res** 1985 Apr;38(4):373-82

[Effects of anoxia and reoxygenation on the myocardial metabolism of hyperenergetic compounds in rats] Chen LY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1985 Mar; 13(1):58-61 **(Chi)**

[Ability of a phosphocreatine-myofibrillar creatine kinase system to prevent the rigor tension of myocardial fibers] Veksler VI, et al. **Biofizika** 1985 Mar-Apr;30(2):301-5 (Eng. Abstr.) **(Rus)**

[Adenine nucleotide and creatine phosphate levels in rat skeletal muscles and myocardium in myorelaxation] Krapivina OV. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):70-2 (Eng. Abstr.) **(Rus)**

[Incorporation of radioactive phosphorus into creatine phosphate of the rabbit myocardium in experimental coronary insufficiency] Voronkov GS, et al. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):67-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Creatine phosphate does not inhibit human adenylate kinases [letter] Nealon DA. **Clin Chem** 1984 Oct;30(10):1714-5

[Study of the protective effect of phosphocreatine on the ischemic myocardium during cardioplegia using the P-31 NMR method] Kupriianov VV, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1985;8(1):14-9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Mechanism of the anti-arrhythmic action of phosphocreatine in acute myocardial ischemia] Rozenshtraukh LV, et al. **Kardiologiia** 1985 Apr;25(4):80-5 (Eng. Abstr.) **(Rus)**

PHOSPHODIESTERASE ANTAGONISTS see **PHOSPHODIESTERASE INHIBITORS**

PHOSPHODIESTERASE INHIBITORS

Inhibition of phosphatidylinositol phosphodiesterase activity in skeletal muscle by metal ions and drugs which block neuromuscular transmission. Shute JK, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2471-5

Lysosomal accumulation of cholesterol and sphingomyelin: evidence for inhibition of acid sphingomyelinase. Bhuvaneswaran C, et al. **Eur J Cell Biol** 1985 May; 37:98-106

Effects of aminoglycosides on proximal tubule brush border membrane phosphatidylinositol-specific phospholipase C. Schwertz DW, et al. **J Pharmacol Exp Ther** 1984 Oct; 231(1):48-55

Competitive inhibition of phosphodiesterase activity by amrinone: its implication in the cardiac effect of the drug. Carpenedo F, et al. **Pharmacol Res Commun** 1984 Oct; 16(10):969-77

Y-590 (a new pyridazinone derivative), a potent anti-thrombotic agent--II. Inhibition of platelet phosphodiesterase. Mikashima H, et al. **Thromb Res** 1984 Sep 1;35(5):589-94

[Comparative immunochemical characteristics of different phosphodiesterases of cyclic nucleotides] Dumler IL, et al. **Biokhimiia** 1984 Oct;49(10):1727-32 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Morphofunctional changes in the myocardium after administration of adrenaline and phosphodiesterase inhibitors] Sergienko OV. **Vrach Delo** 1985 Mar;(3):36-9 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

2-(beta-Arylethylamino)- and 4-(beta-arylethylamino)quinazolines as phosphodiesterase inhibitors. Millen J, et al. **J Med Chem** 1985 Jan;28(1):12-7

ISOLATION & PURIFICATION

A protein inhibitor of calmodulin-regulated cyclic nucleotide phosphodiesterase in amphibian ovaries. Jedlicki E, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):215-24

PHARMACODYNAMICS

TVX 2706--a new phosphodiesterase inhibitor with antiinflammatory action. Biochemical characterization. Glaser T, et al. **Agents Actions** 1984 Oct;15(3-4):341-8

Effects of 7-ethoxycarbonyl-4-hydroxymethyl-6,8-dimethyl-1(2H)-(EG 626), a new phosphodiesterase inhibitor, on the cardiovascular system of the dog. Furuta Y, et al. **Arzneimittelforschung** 1985;35(5):827-32

Effect of phosphodiesterase inhibitors on bradykinin-mediated prostaglandin E2 and cyclic AMP synthesis in renal papillary collecting tubule cells. Spry LA, et al. **Biochem Pharmacol** 1985 May 1;34(9):1565-9

Caffeine and other phosphodiesterase inhibitors are potent inhibitors of the promotional effect of TPA on morphological transformation of hamster embryo cells. Rivedal E, et al. **Cancer Lett** 1985 Aug;28(1):9-17

Selective effects of phosphodiesterase inhibitors on different phosphodiesterases, adenosine 3',5'-monophosphate metabolism, and lipolysis in 3T3-L1 adipocytes. Elks ML, et al. **Endocrinology** 1984 Oct;115(4):1262-8

Stimulatory effects of adenosine, adenosine analogs and insulin on adipose tissue lipoprotein lipase activity and their prevention by phosphodiesterase inhibitors. Bourdeaux AM, et al. **FEBS Lett** 1984 Dec 3;178(1):132-6

Effect of phosphodiesterase regulators on prostaglandin evoked responses in isolated rat uterus. Singh M, et al. **Indian J Exp Biol** 1984 Dec;22(12):637-44

Effect of phosphodiesterase regulators and catecholamines on motility of isolated pregnant rat uterus. Singh M, et al. **Indian J Exp Biol** 1984 Dec;22(12):645-8

Effect of salbutamol and the PDE-inhibitor RA 642 on the clonidine withdrawal syndrome in rats. Jonkman FA, et al. **J Auton Pharmacol** 1984 Sep;4(3):199-206

Role of cyclic AMP in cardiac beta-adrenoceptor desensitization: studies using prenalterol and inhibitors of phosphodiesterase. Bobik A, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct;6(5):795-801

Selective inhibition of cardiac cyclic nucleotide phosphodiesterases by doxorubicin and daunorubicin. Law J, et al. **Life Sci** 1985 Feb 11;36(6):589-99

Adenosine and adenosine analogs inhibit phosphodiesterase activity in the heart. Meyer W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):207-9

Effect of adenyl-cyclase activators, phosphodiesterase inhibitors and pyridoxal-5-phosphate on platelet aggregation and adenosine-3'-5'-cyclic monophosphate accumulation. Zahavi M, et al. **Thromb Haemost** 1984 Oct 31;52(2):205-9

[The effect of phosphodiesterase inhibitors on retinal function of the eye undergoing arterial perfusion] Schneider T, et al. **Fortschr Ophthalmol** 1985;82(2):197-202 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The new inotropic phosphodiesterase inhibitors. el Allaf D, et al. **Arch Int Physiol Biochim** 1984 Nov;92(4):S69-79 (51 ref.)

PHOSPHODIESTERASES

ANALYSIS

Assay of diadenosine tetraphosphate hydrolytic enzymes by boronate chromatography. Barnes LD, et al. **Anal Biochem** 1985 Jan;144(1):296-304

Radiometric assays of N-acetylglucosaminylphosphotransferase and alpha-N-acetylglucosaminyl phosphodiesterase with substrates labeled in the glucosamine moiety. Ben-Yoseph Y, et al. **Anal Biochem** 1984 Nov 1;142(2):297-304

Assay of covalent intermediate of 5'-nucleotide phosphodiesterase. Blytt HJ, et al. **Anal Biochem** 1985 Jun; 147(2):517-20

Solid-phase assay for the detection of low-abundance enzymes, and antibodies to enzymes in immune reactions, using acid sphingomyelinase as a model. Freeman SJ, et al. **Anal Biochem** 1984 Aug 15;141(1):248-52

Different effects of various beta-adrenoceptor antagonists on adenylate cyclase, guanylate cyclase and calmodulin-dependent phosphodiesterase in heart. Kudo S, et al. **Biochem Pharmacol** 1985 May 15;34(10):1659-64

Interaction of DDT and pyrethroids with calmodulin and its significance in the expression of enzyme activities of phosphodiesterase. Rashatwar SS, et al. **Biochem Pharmacol** 1985 May 15;34(10):1689-94

The effect of detergents on immunoprecipitability of lysosomal sphingomyelinase. Driessen M, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):97-102

Fractionation of red diamond rattlesnake (Crotalus ruber ruber) venom: protease, phosphodiesterase, L-amino acid oxidase activities and effects of metal ions and inhibitors on protease activity. Mackessy SP. **Toxicon** 1985; 23(2):337-40

BIOSYNTHESIS

Effects of dimethylsulfoxide on sphingomyelinase in cultured human fibroblasts and correction of sphingomyelinase deficiency in fibroblasts from Niemann-Pick patients. Sakuragawa N, et al. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):756-62

BLOOD

Serum alkaline phosphodiesterase I in experimental biliary obstruction in the rat. Simpson SR, et al. **Clin Sci** 1984 Dec;67(6):647-52

Catabolism of Ap3A and Ap4A in human plasma. Purification and characterization of a glycoprotein complex with 5'-nucleotide phosphodiesterase activity. Lüthje J, et al. **Eur J Biochem** 1985 May 15;149(1):119-27

Elevated leukocyte phosphodiesterase as a basis for depressed cyclic adenosine monophosphate responses in the Basenji greyhound dog model of asthma. Chan SC, et al. **J Allergy Clin Immunol** 1985 Aug;76(2 Pt 1):148-58

The influence of some drugs on the rat blood phosphodiesterase activity. Bajgar J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1983;26(4):423-33

[Clinical evaluation of CA 19-9, TPA, IAP and 5'-NPD-V as tumor markers of hepatocellular, bile duct and pancreas carcinoma] Takahashi H, et al. **Gan No Rinsho** 1985 May; 31(6 Suppl):623-30 (Eng. Abstr.) **(Jpn)**

DEFICIENCY

Adrenal changes in Niemann-Pick disease: differences between sphingomyelinase deficiency and type C. Elleder M, et al. **Acta Histochem (Jena)** 1985;76(2):163-76

Immunological studies on lysosomal sphingomyelinase: identification of a 28 000-Da component deficient in urine from patients with Niemann-Pick disease types A and B. Schram AW, et al. **Biosci Rep** 1984 Dec;4(12):1051-7

DIAGNOSTIC USE

5'-Nucleotide phosphodiesterase isozyme-V as a marker for liver metastases in breast cancer patients. Tsou KC, et al. **Cancer** 1984 Nov 1;54(9):1788-93

GENETICS

Absence of phosphatidylinositol phosphodiesterase in the head of a Drosophila visual mutant, norpA (no receptor potential A). Yoshioka T, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1251-4

METABOLISM

Basophil histamine release in atopic dermatitis and its relationship to disordered cyclic nucleotide metabolism. Butler JM, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1985; 114:55-60

A novel tumor-associated molecular species of 5'-nucleotide phosphodiesterase. Fukazawa H, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1072-7

Calmodulin and malignant hyperpyrexia. Marjanen LA, et al. **Biochem Med** 1984 Oct;32(2):283-7

Catabolism of bis(5'-nucleosidyl) oligophosphates in Escherichia coli: metal requirements and substrate specificity of homogeneous diadenosine-5',5'''-P1,P4-tetraphosphate pyrophosphohydrolase. Plateau P, et al. **Biochemistry** 1985 Feb 12;24(4):914-22

Evidence that neutral sphingomyelinase of cultured murine neuroblastoma cells is oriented externally on the plasma membrane. Das DV, et al. **Biochim Biophys Acta** 1984 Nov 7;777(2):339-42

Utilization of exogenous glycerophosphodiesters and glycerol 3-phosphate by inositol-starved yeast, Saccharomyces uvarum. Paltauf F, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):322-30

Phosphatidylcholine and 4-methylumbelliferyl phosphorylcholine hydrolysis by purified placental sphingomyelinase. Freeman SJ, et al. **Can J Biochem Cell Biol** 1985 Apr;63(4):272-7

Release of alkaline phosphodiesterase I from rat kidney plasma membrane produced by the phosphatidylinositol-specific phospholipase C of Bacillus thuringiensis. Nakabayashi T, et al. **Cell Struct Funct** 1984 Sep;9(3):247-63

Insulin resistance of fat cells from spontaneously diabetic KK mice. Analysis of insulin-sensitive phosphodiesterase. Makino H, et al. **Diabetes** 1985 Sep;34(9):844-9

A comparative kinetic analysis of six substrates widely used for the detection and quantitation of phosphodiesterase I. Hawley DM, et al. **Enzyme** 1984;32(2):105-9

Molecular forms of sphingomyelinase and non-specific phosphodiesterases in Epstein-Barr virus-transformed lymphoid cell lines from Niemann-Pick disease types A and B. Levade T, et al. **Eur J Biochem** 1985 Jun 3; 149(2):405-9

Detection of different cellular sides in rat liver and kidney by two monoclonal antibodies raised against the nucleotide-sugar hydrolyzing enzymes phosphodiesterase I and CMP-sialic acid hydrolase. van Dijk W, et al. **Eur J Cell Biol** 1985 Jan;36(1):98-103

The effect of rhodopsin phosphorylation on the light-dependent activation of phosphodiesterase from bovine rod outer segments. Arshavsky VY, et al. **FEBS Lett** 1985 Feb 25;181(2):264-6

Regulation of a liver plasma membrane phosphoinositide phosphodiesterase by guanine nucleotides and calcium. Uhing RJ, et al. **FEBS Lett** 1985 Sep 2;188(2):317-20

Changes and interrelationships among luteal LH receptors, adenylate cyclase activity and phosphodiesterase activity during the bovine estrous cycle. Garverick HA, et al. **J Anim Sci** 1985 Jul;61(1):216-23

Kinetic studies on degradation of nucleotides catalyzed by phosphodiesterase-phosphomonoesterase from Fusarium moniliforme. Yoshida H, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):971-6

Amino acid sequence of the active site peptide of bovine intestinal 5'-nucleotide phosphodiesterase and identification of the active site residue as threonine. Culp JS, et al. **J Biol Chem** 1985 Jul 15;260(14):8320-4

Photoreceptor GTP binding protein mediates fluoride activation of phosphodiesterase. Stein PJ, et al. **J Biol Chem** 1985 Aug 5;260(16):9081-4

Inhibition of calmodulin-stimulated phosphodiesterase activity by vasoactive intestinal peptide. Barnette MS, et al. **J Neurochem** 1985 Aug;45(2):640-3

Molecular weight of human brain neutral sphingomyelinase determined in situ by the radiation inactivation method. Levade T, et al. **J Neurochem** 1985 Aug;45(2):630-2

Poly(ADP-ribose) glycohydrolase and phosphodiesterases in the analysis of poly(ADP-ribosyl)ated proteins. Kidwell WR, et al. **Methods Enzymol** 1984;106:505-12

Role of guanine nucleotide binding protein in the activation of polyphosphoinositide phosphodiesterase. Cockcroft S, et al. **Nature** 1985 Apr 11-17;314(6011):534-6

New tools for the study of Niemann-Pick disease: analogues of natural substrate and Epstein-Barr virus-transformed lymphoid cell lines. Levade T, et al. **Pediatr Res** 1985 Jan; 19(1):153-7

Studies on the activation of sphingomyelinase activity in Niemann-Pick type A, B, and C fibroblasts: enzymological differentiation of types A and B. Poulos A, et al. **Pediatr Res** 1984 Nov;18(11):1088-93

An RNA processing activity that debranches RNA lariats. Ruskin B, et al. **Science** 1985 Jul 12;229(4709):135-40

Elevated rate of DNA synthesis and its correlation to cAMP-phosphodiesterase activity during induction of polydactyly in mouse embryos heterozygous for Hemimelia-extra toe (Hmx). Knudsen TB, et al. **Teratology** 1985 Feb;31(1):155-66

[Comparative immunochemical characteristics of different phosphodiesterases of cyclic nucleotides] Dumler IL, et al. **Biokhimiia** 1984 Oct;49(10):1727-32 (Eng. Abstr.) **(Rus)**

[Catecholamine concentration and adenyl cyclase and phosphodiesterase activities of the sarcolemma of myocardial cells during hypokinesia and in experimental information neuroses] Khananashvili MM, et al. **Fiziol Zh SSSR** 1984 Aug;70(8):1214-20 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Physicochemical behaviour and structural characteristics of membrane-bound acetylcholinesterase from Torpedo electric organ. Effect of phosphatidylinositol-specific phospholipase C. Futerman AH, et al. **Biochem J** 1985 Mar 1;226(2):369-77

Effects of derivatives of hydroxypyruvaldehyde phenylosazone on bovine erythrocyte membrane. II. Stabilization of sphingomyelinase C-treated or untreated cells examined by coil planet centrifugation and electron microscopy. Ikezawa H, et al. **Chem Pharm Bull (Tokyo)** 1984 Jun;32(6):2307-15

SECRETION

Rapid kinetic analysis of the bile-salt-dependent secretion of phospholipid, cholesterol and a plasma-membrane enzyme into bile. Lowe PJ, et al. **Biochem J** 1984 Sep 15; 222(3):631-7

URINE

Soluble sphingomyelinase from human urine as antigen for obtaining anti-sphingomyelinase antibodies. Weitz G, et al. **Biochim Biophys Acta** 1985 Jan 28;838(1):92-7

PHOSPHOENOLPYRUVATE

METABOLISM

Thermodynamic linkages in rabbit muscle pyruvate kinase: analysis of experimental data by a two-state model. Oberfelder RW, et al. **Biochemistry** 1984 Aug 14; 23(17):3822-6

Thermodynamic linkages in rabbit muscle pyruvate kinase: kinetic, equilibrium, and structural studies. Oberfelder RW, et al. **Biochemistry** 1984 Aug 14;23(17):3813-21

Evidence for phosphorylation of pancreatic islet pyruvate kinase. MacDonald MJ, et al. **Metabolism** 1985 Jul; 34(7):600-3

PHARMACODYNAMICS

Inhibition of rat liver phosphofructokinase-2 by phosphoenolpyruvate and ADP. Kretschmer M, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):793-6

PHYSIOLOGY

Phosphoenolpyruvate-dependent phosphorylation site in enzyme IIIglc of the Escherichia coli phosphotransferase system. Dörschug M, et al. **Eur J Biochem** 1984 Oct 1; 144(1):113-9

The role of phosphoenolpyruvate in insulin secretion: the effect of L-phenylalanine. Chatterton TA, et al. **Experientia** 1984 Dec 15;40(12):1426-7

[Transport of phosphoenolpyruvate across the erythrocyte membrane] Hamasaki N. **Seikagaku** 1984 Jun;56(6):388-401 (69 ref.) **(Jpn)**

PHOSPHOENOLPYRUVATE CARBOXYKINASES

Phosphorus-31 nuclear relaxation rate studies of the nucleotides on phosphoenolpyruvate carboxykinase. Lee MH, et al. **Biochemistry** 1984 Dec 18;23(26):6506-13

ANALYSIS

Metabolic zonation in liver of diabetic rats. Zonal distribution of phosphoenolpyruvate carboxykinase, pyruvate kinase, glucose-6-phosphatase and succinate dehydrogenase. Miethke H, et al. **Biol Chem Hoppe Seyler** 1985 May; 366(5):493-501

BIOSYNTHESIS

Induction of phosphoenolpyruvate carboxykinase by hydrocortisone in rat liver and brain as a function of age. Sharma R, et al. **Biochem Int** 1983 Oct;7(4):535-40

Effect of thyroid state on cyclic AMP-mediated induction of hepatic phosphoenolpyruvate carboxykinase. Höppner W, et al. **Biochem J** 1985 Feb 15;226(1):67-73

Effects of glucagon, dexamethasone and triiodothyronine on phosphoenolpyruvate carboxykinase (GTP) synthesis and mRNA level in rat liver cells. Iynedjian PB, et al. **Eur J Biochem** 1984 Dec 17;145(3):489-97

Permissive action of thyroid hormones in the cAMP-mediated induction of phosphoenolpyruvate carboxykinase in hepatocytes in culture. Süssmuth W, et al. **Eur J Biochem** 1984 Sep 17;143(3):607-11

Hypoglycemia in the newborn growth-retarded rat: delayed phosphoenolpyruvate carboxykinase induction despite increased glucagon availability. Bussey ME, et al. **Pediatr Res** 1985 Apr;19(4):363-7

GENETICS

Effect of hormones on transcription of the gene for cytosolic phosphoenolpyruvate carboxykinase (GTP) in rat kidney. Meisner H, et al. **Biochemistry** 1985 Jan 15;24(2):421-5

Conservation from rat to human of cytosolic phosphoenolpyruvate carboxykinase and the control of its gene expression. Cohen H, et al. **FEBS Lett** 1985 Jan 28; 180(2):175-80

Gluconeogenesis in the chicken: regulation of phosphoenolpyruvate carboxykinase gene expression. Watford M. **Fed Proc** 1985 May;44(8):2469-74 (31 ref.)

Regulation of transcription of the Escherichia coli phosphoenolpyruvate carboxykinase locus: studies with pck-lacZ operon fusions. Goldie H. **J Bacteriol** 1984 Sep; 159(3):832-6

Rat hepatic cytosolic phosphoenolpyruvate carboxykinase (GTP). Structures of the protein, messenger RNA, and gene. Beale EG, et al. **J Biol Chem** 1985 Sep 5; 260(19):10748-60

The gene encoding the cytosolic form of phosphoenolpyruvate carboxykinase (GTP) from the chicken. Hod Y, et al. **J Biol Chem** 1984 Dec 25; 259(24):15609-14

Induction by cAMP of the mRNA encoding the cytosolic form of phosphoenolpyruvate carboxykinase (GTP) from the chicken. Identification and characterization of a cDNA clone for the enzyme. Hod Y, et al. **J Biol Chem** 1984 Dec 25;259(24):15603-8

Multihormonal regulation of phosphoenolpyruvate carboxykinase gene transcription. The dominant role of insulin. Sasaki K, et al. **J Biol Chem** 1984 Dec 25; 259(24):15242–51

Identification of a cAMP regulatory region in the gene for rat cytosolic phosphoenolpyruvate carboxykinase (GTP). Use of chimeric genes transfected into hepatoma cells. Wynshaw-Boris A, et al. **J Biol Chem** 1984 Oct 10; 259(19):12161–9

Sequential changes in DNA methylation patterns of the rat phosphoenolpyruvate carboxykinase gene during development. Benvenisty N, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):267–71

Processing of phosphoenolpyruvate carboxykinase (GTP) RNA in vivo. Hatzoglou M, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4346–50

Multihormonal control of phosphoenolpyruvate carboxykinase gene transcription: the dominant role of insulin. Granner DK, et al. **Trans Assoc Am Physicians** 1984;97:33–40

ISOLATION & PURIFICATION

Purification of phosphoenolpyruvate carboxykinase from Saccharomyces cerevisiae and its use for bicarbonate assay. Tortora P, et al. **Anal Biochem** 1985 Jan;144(1):179–85

Purification of particulate malate dehydrogenase and phosphoenolpyruvate carboxykinase from Leishmania mexicana mexicana. Mottram JC, et al. **Biochim Biophys Acta** 1985 Mar 1;827(3):310–9

METABOLISM

Effects of phosphate anions and some divalent metal cations on phosphoenolpyruvate carboxykinase. Comparison of liver and kidney enzyme. Karczmarewicz E, et al. **Acta Biochim Pol** 1984;31(3):329–39

The role of phosphoenolpyruvate carboxykinase in muscle alanine synthesis. Palmer TN, et al. **Biochem J** 1984 Dec 15;224(3):971–6

Phosphoenolpyruvate carboxykinase in mouse pancreatic islets. ATP-induced changes in sensitivity to Mn2+ activation. Hedeskov CJ, et al. **Biochim Biophys Acta** 1984 Nov 23;791(1):37–44

Inhibition of hepatic phosphoenolpyruvate carboxykinase by avian reticuloendotheliosis viruses. Garry RF, et al. **Cancer Res** 1985 Oct;45(10):5020–6

Regulation of gluconeogenesis at phosphoenolpyruvate carboxykinase. Lardy H, et al. **Curr Top Cell Regul** 1984; 24:171–9

Do pancreatic islets contain significant amounts of phosphoenolpyruvate carboxykinase or ferroactivator activity? MacDonald MJ, et al. **Diabetes** 1985 Mar; 34(3):246–50

Carbon-13 nuclear magnetic resonance analysis of [1-13C]glucose metabolism in Crithidia fasciculata. Evidence of CO2 fixation by phosphoenolpyruvate carboxykinase. de los Santos C, et al. **Eur J Biochem** 1985 Jun 3;149(2):421–9

Activation of liver cytosol phosphoenolpyruvate carboxykinase by Ca2+ through intracellular redistribution of Mn2+. Karczmarewicz E, et al. **Eur J Biochem** 1985 Sep 16;151(3):561–5

Pyruvate carboxylase and phosphoenolpyruvate carboxykinase activity in developing rats: effect of manganese deficiency. Baly DL, et al. **J Nutr** 1985 Jul; 115(7):872–9

Effect of prolactin and glucocorticoids on P-enolpyruvate carboxykinase activity in liver and mammary gland from diabetic and lactating rats. Lobato MF, et al. **Mol Cell Biochem** 1985 May;67(1):19–23

The indirect effect of Ca2+ on liver and kidney cytosol phosphoenolpyruvate carboxykinase activity. Matyaszczyk M, et al. **Prog Clin Biol Res** 1984;168:171–5

[Activity of gluconeogenetic enzymes in swine myocardium and skeletal muscles] Grün E, et al. **Biomed Biochim Acta** 1984;43(10):1091–100 (Eng. Abstr.) **(Ger)**

PHOSPHOENOLPYRUVATE CARBOXYLASE see under **CARBOXY-LYASES**

PHOSPHOENOLPYRUVATE HEXOSE PHOSPHOTRANSFERASES see **PHOSPHOENOLPYRUVATE SUGAR PHOSPHOTRANSFERASE SYSTEM**

PHOSPHOENOLPYRUVATE SUGAR PHOSPHOTRANSFERASE SYSTEM

Evidence for covalently cross-linked dimers and trimers of enzyme I of the Escherichia coli phosphotransferase system. Grenier FC, et al. **J Bacteriol** 1985 Jul;163(1):243–7

The primary structure of Salmonella typhimurium HPr, a phosphocarrier protein of the phosphoenolpyruvate:glycose phosphotransferase system. A correction. Powers DA, et al. **J Biol Chem** 1984 Dec 25;259(24):15212–4

ANALYSIS

Subunit association of enzyme I of the Salmonella typhimurium phosphoenolpyruvate: glycose phosphotransferase system. Temperature dependence and thermodynamic properties. Kukuruzinska MA, et al. **J Biol Chem** 1984 Oct 10;259(19):11679–81

Evidence for the evolutionary relatedness of the proteins of the bacterial phosphoenolpyruvate:sugar phosphotransferase system. Saier MH Jr, et al. **J Cell Biochem** 1985;27(1):43–56

The bacterial phosphoenolpyruvate-dependent phosphotransferase system. Isolation of active site peptides by reversed-phase high-performance liquid chromatography and determination of their primary structure. Alpert CA, et al. **J Chromatogr** 1985 Jun 19; 326:363–71

BIOSYNTHESIS

Isolation of a novel protein involved in the transport of fructose by an inducible phosphoenolpyruvate fructose phosphotransferase system in Streptococcus mutans. Gauthier L, et al. **J Bacteriol** 1984 Nov;160(2):755–63

Role of IIIGlc of the phosphoenolpyruvate-glucose phosphotransferase system in inducer exclusion in Escherichia coli. Nelson SO, et al. **J Bacteriol** 1984 Oct; 160(1):360–4

DEFICIENCY

Lactose metabolism in Streptococcus lactis: studies with a mutant lacking glucokinase and mannose-phosphotransferase activities. Thompson J, et al. **J Bacteriol** 1985 Apr;162(1):217–23

GENETICS

Analysis of the ptsH-ptsI-crr region in Escherichia coli K-12: evidence for the existence of a single transcriptional unit. De Reuse H, et al. **Gene** 1984 Dec;32(1-2):31–40

Analysis of the ptsH-ptsI-crr region in Escherichia coli K-12: nucleotide sequence of the ptsH gene. De Reuse H, et al. **Gene** 1985;35(1-2):199–207

Cloning and location of the dgsA gene of Escherichia coli. Morris PW, et al. **J Bacteriol** 1985 Aug;163(2):785–6

ISOLATION & PURIFICATION

Phosphoenolpyruvate-dependent protein kinase enzyme I of Streptococcus faecalis: purification and properties of the enzyme and characterization of its active center. Alpert CA, et al. **Biochemistry** 1985 Feb 12;24(4):959–64

Lactose transport in Streptococcus mutans: isolation and characterization of factor IIIlac, a specific protein component of the phosphoenolpyruvate-lactose phosphotransferase system. Vadeboncoeur C, et al. **Infect Immun** 1984 Oct;46(1):213–9

Identification of the phosphocarrier protein enzyme IIIgut: essential component of the glucitol phosphotransferase system in Salmonella typhimurium. Grenier FC, et al. **J Bacteriol** 1985 Mar;161(3):1017–22

METABOLISM

Bacterial phosphotransferase system: regulation of mannitol enzyme II activity by sulfhydryl oxidation. Grenier FC, et al. **Biochemistry** 1985 Jan 1;24(1):47–51

Kinetics and subunit interaction of the mannitol-specific enzyme II of the Escherichia coli phosphoenolpyruvate-dependent phosphotransferase system. Roossien FF, et al. **Biochemistry** 1984 Oct 9; 23(21):4934–9

Mannitol-specific carrier protein from the Escherichia coli phosphoenolpyruvate-dependent phosphotransferase system can be extracted as a dimer from the membrane. Roossien FF, et al. **Biochemistry** 1984 Nov 20; 23(24):5682–5

Transport and phosphorylation of xylitol by a fructose phosphotransferase system in Streptococcus mutans. Trahan L, et al. **Caries Res** 1985;19(1):53–63

Phosphoenolpyruvate-dependent phosphorylation site in enzyme IIIglc of the Escherichia coli phosphotransferase system. Dörschug M, et al. **Eur J Biochem** 1984 Oct 1; 144(1):113–9

The phosphoenolpyruvate-dependent fructose-specific phosphotransferase system in Rhodopseudomonas sphaeroides. Mechanism for transfer of the phosphoryl group from phosphoenolpyruvate to fructose. Lolkema JS, et al. **Eur J Biochem** 1985 Jun 18;149(3):625–31

Phosphoenolpyruvate-dependent fructose phosphotransferase system in Rhodopseudomonas sphaeroides. The coupling between transport and phosphorylation in inside-out vesicles. Lolkema JS, et al. **Eur J Biochem** 1985 Feb 15;147(1):69–75

Identification and properties of distinct sucrose and glucose phosphotransferase enzyme II activities in Streptococcus mutans 6715g. Jacobson GR, et al. **Infect Immun** 1984 Dec; 46(3):854–6

Streptococcal phosphoenolpyruvate: sugar phosphotransferase system: purification and characterization of a phosphoprotein phosphatase which hydrolyzes the phosphoryl bond in seryl-phosphorylated histidine-containing protein. Deutscher J, et al. **J Bacteriol** 1985 Sep;163(3):1203–9

Identification of a phosphoenolpyruvate:fructose 1-phosphotransferase system in Azospirillum brasilense. Gupta KD, et al. **J Bacteriol** 1984 Dec;160(3):1204–6

Allosteric regulation of glycerol kinase by enzyme IIIglc of the phosphotransferase system in Escherichia coli and Salmonella typhimurium. Novotny MJ, et al. **J Bacteriol** 1985 May;162(2):810–6

Properties of ATP-dependent protein kinase from Streptococcus pyogenes that phosphorylates a seryl residue in HPr, a phosphocarrier protein of the phosphotransferase system. Reizer J, et al. **J Bacteriol** 1984 Oct;160(1):333–40

Intracellular phosphorylation of glucose analogs via the phosphoenolpyruvate: mannose-phosphotransferase system in Streptococcus lactis. Thompson J, et al. **J Bacteriol** 1985 Apr;162(1):224–34

Phosphoproteins and the phosphoenolpyruvate: sugar phosphotransferase system in Salmonella typhimurium and Escherichia coli: evidence for IIImannose, IIIfructose, IIIglucitol, and the phosphorylation of enzyme IImannitol and enzyme IIN-acetylglucosamine. Waygood EB, et al. **J Cell Biochem** 1984;25(3):139–59 (59 ref.)

PHOSPHOFRUCTOKINASE

ANALYSIS

Interference by ATPase in the assay of rat heart phosphofructokinase. Filsell OH, et al. **Biochem Int** 1984 Aug;9(2):197–205

An electron microscopy study of the quarternary structure of yeast phosphofructokinase. Nissler K, et al. **Biomed Biochim Acta** 1985;44(2):251–9

Influence of inorganic phosphate on the kinetic properties of yeast phosphofructokinase. Przybylski F, et al. **Biomed Biochim Acta** 1984;43(10):1083–9

Alterations in the activity and isozymic profile of human phosphofructokinase during malignant transformation in vivo and in vitro: transformation- and progression-linked discriminants of malignancy. Vora S, et al. **Cancer Res** 1985 Jul;45(7):2993–3001

Drug effects on certain enzymes of carbohydrate metabolism in MCF-7 cells in culture. Mitchell I, et al. **Clin Oncol** 1984 Sep;10(3):253–60

ANTAGONISTS & INHIBITORS

Inhibition of rat liver phosphofructokinase-2 by phosphoenolpyruvate and ADP. Kretschmer M, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):793–6

Interaction of calmodulin with muscle phosphofructokinase. Interplay with metabolic effectors of the enzyme under physiological conditions. Mayr GW. **Eur J Biochem** 1984 Sep 17;143(3):521–9

BLOOD

Rapid purification of human erythrocyte phosphofructokinase. Karadsheh NS, et al. **Clin Chim Acta** 1984 Oct 29;143(1):51–5

Mode of interaction of phosphofructokinase with the erythrocyte membrane. Jenkins JD, et al. **J Biol Chem** 1985 Sep 5;260(19):10426–33

[Effect of activators and inhibitors of SH groups on purified phosphofructokinase activity in hemolysates and intact erythrocytes] Torliński L, et al. **Acta Haematol Pol** 1984 Jul-Dec;15(3-4):125–36 (Eng. Abstr.) **(Pol)**

DEFICIENCY

Inherited phosphofructokinase deficiency in dogs with hyperventilation-induced hemolysis: increased in vitro and in vivo alkaline fragility of erythrocytes. Giger U, et al. **Blood** 1985 Feb;65(2):345–51

Decreased phosphofructokinase activity in skeletal muscle of diabetic rats. Bauer BA, et al. **Clin Physiol Biochem** 1984; 2(4):137–45

GENETICS

Nucleotide sequence and high-level expression of the major Escherichia coli phosphofructokinase. Hellinga HW, et al. **Eur J Biochem** 1985 Jun 3;149(2):363–73

Mutations in the regulatory subunit of soluble phosphofructokinase from yeast. Nadkarni M, et al. **FEBS Lett** 1984 Oct 1;175(2):294–8

Regional mapping of liver type 6 phosphofructokinase isoenzyme on chromosome 21. Chadefaux B, et al. **Hum Genet** 1984;68(2):136–7

Multiple genes control particulate phosphofructokinase of yeast. Parmar L, et al. **MGG** 1984;197(3):515–6

ISOLATION & PURIFICATION

Isolation and characterization of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase from bovine liver. Kountz PD, et al. **Arch Biochem Biophys** 1985 May 1;238(2):531–43

Phosphofructokinase from foot muscle of the whelk, Busycotypus canaliculatum: evidence for covalent modification of the enzyme during anaerobiosis. Storey KB. **Arch Biochem Biophys** 1984 Dec;235(2):665–72

Subunit interaction of rabbit muscle phosphofructokinase: effects of purification procedures. Luther MA, et al. **Biochemistry** 1985 May 7;24(10):2463–70

Nature of the rat brain 6-phosphofructo-1-kinase isozymes. Dunaway GA, et al. **J Biol Chem** 1985 Apr 10; 260(7):4180–5

Isolation and characterization of phosphofructokinase C from rabbit brain. Foe LG, et al. **J Biol Chem** 1985 Jan 25; 260(2):726–30

METABOLISM

Properties of the phosphofructokinase regulatory factors. Kruep DA, et al. **Arch Biochem Biophys** 1984 Dec; 235(2):512-20

Purification of the phosphofructokinase regulatory factors. Kruep DA, et al. **Arch Biochem Biophys** 1984 Dec; 235(2):504-11

Enhancement in the activities of mouse epidermal glucose-6-phosphate dehydrogenase, hexokinase, phosphofructokinase, and pyruvate kinase by 12-O-tetradecanoyl-phorbol-13-acetate. Tejwani GA, et al. **Arch Biochem Biophys** 1985 Jun;239(2):462-6

Changes in key regulatory enzymes of hepatic carbohydrate metabolism after glucose loading of starved rats. Claus TH, et al. **Biochem Biophys Res Commun** 1984 Dec 14; 125(2):655-61

Phosphorylation of phosphofructokinase by protein kinase C changes the allosteric properties of the enzyme. Hofer HW, et al. **Biochem Biophys Res Commun** 1985 Jun 28; 129(3):892-7

A source of apparent pyrophosphate:fructose 6-phosphate phosphotransferase activity in rabbit muscle phosphofructokinase. Kruger NJ, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):320-6

Characterization of the exchange reactions of rat liver 6-phosphofructo 2-kinase/fructose 2,6-bisphosphatase. El-Maghrabi MR, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):749-56

Influence of fructose 2,6-bisphosphate on the phosphofructokinase/fructose 1,6-bisphosphatase cycle. Schellenberger W, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):571-7

Kinetic behaviour and regulatory properties of phosphofructokinase in rat bone marrow cells. Tejedor MC, et al. **Biochem Int** 1984 Nov;9(5):577-86

Purification and regulatory properties of phosphofructokinase from Trypanosoma (Trypanozoon) brucei brucei. Cronin CN, et al. **Biochem J** 1985 Apr 1; 227(1):113-24

Quantification of liver and kidney phosphofructokinase by radioimmunoassay in fed, starved and alloxan-diabetic rats. Donofrio JC, et al. **Biochem J** 1984 Dec 1;224(2):541-7

The mechanism of rabbit muscle phosphofructokinase at pH8. Merry S, et al. **Biochem J** 1985 Feb 15;226(1):13-28

Contribution of different protein phosphatases to the dephosphorylation of 6-phosphofructo-1-kinase and 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase in rat liver. Mieskes G, et al. **Biochem J** 1985 Feb 1; 225(3):665-70

Isoenzymes of phosphofructokinase in the rat. Demonstration of the three non-identical subunits by biochemical, immunochemical and kinetic studies. Vora S, et al. **Biochem J** 1985 Jul 15;229(2):333-41

Kinetic mechanism of pyrophosphate-dependent phosphofructokinase from Propionibacterium freudenreichii. Bertagnolli BL, et al. **Biochemistry** 1984 Aug 28;23(18):4101-8

Interactions between citrate and nucleoside triphosphates in binding to phosphofructokinase. Ogawa Y, et al. **Biochemistry** 1985 Feb 12;24(4):954-8

Determination of the free-energy coupling between ATP and an affinity label attached to rabbit muscle phosphofructokinase. Ogilvie JW. **Biochemistry** 1985 Jan 15;24(2):317-21

Interaction of Cibacron blue F3G-A with yeast phosphofructokinase. Frenzel J, et al. **Biomed Biochim Acta** 1984;43(4):413-8

Cooperation of fructose-2,6-bisphosphate and AMP in the activation of yeast phosphofructokinase. Nissler K, et al. **Biomed Biochim Acta** 1984;43(4):535-40

Glycolytic and gluconeogenic states in an enzyme system reconstituted from phosphofructokinase and fructose 1,6-bisphosphatase. Schellenberger W, et al. **Biomed Biochim Acta** 1985;44(4):503-16

Isozymic composition and regulatory properties of phosphofructokinase from well-differentiated and anaplastic medullary thyroid carcinomas of the rat. Oskam R, et al. **Cancer Res** 1985 Jan;45(1):135-42

Changes in phosphofructokinase and pyruvate kinase in rat brain regions during alloxan-induced diabetes. Srivastava LK, et al. **Enzyme** 1984;32(2):84-8

Interaction of calmodulin with muscle phosphofructokinase. Interplay with metabolic effectors of the enzyme under physiological conditions. Mayr GW. **Eur J Biochem** 1984 Sep 17;143(3):521-9

Interaction of calmodulin with muscle phosphofructokinase. Changes of the aggregation state, conformation and catalytic activity of the enzyme. Mayr GW. **Eur J Biochem** 1984 Sep 17;143(3):513-20

Activation of rat heart phosphofructokinase-2 by insulin in vivo. Rider MH, et al. **FEBS Lett** 1984 Oct 29;176(2):484-8

Activation of yeast 6-phosphofructo-2-kinase by protein kinase and phosphate. Yamashoji S, et al. **FEBS Lett** 1984 Dec 10;178(2):253-6

Modulation of muscle phosphofructokinase at physiological concentration of enzyme. Boscá L, et al. **J Biol Chem** 1985 Feb 25;260(4):2100-7

Heart 6-phosphofructo-1-kinase. Subcellular distribution and binding to myofibrils. Choate GL, et al. **J Biol Chem** 1985 Apr 25;260(8):4815-22

Effect of ATP on phosphofructokinase-2 from Escherichia coli. A mutant enzyme altered in the allosteric site for MgATP. Guixé V, et al. **J Biol Chem** 1985 Sep 15; 260(20):11001-5

Regulation of phosphofructokinase in perfused rat heart. Requirement for fructose 2,6-bisphosphate and a covalent modification. Narabayashi H, et al. **J Biol Chem** 1985 Aug 15;260(17):9750-8

Activation of muscle phosphofructokinase by fructose 2,6-bisphosphate and fructose 1,6-bisphosphate is differently affected by other regulatory metabolites. Tornheim K. **J Biol Chem** 1985 Jul 5;260(13):7985-9

AMP deaminase reaction as a control system of glycolysis in yeast. Role of ammonium ion in the interaction of phosphofructokinase and pyruvate kinase activity with the adenylate energy charge. Yoshino M, et al. **J Biol Chem** 1985 Apr 25;260(8):4729-32

Rat liver 6-phosphofructo 2-kinase/fructose 2,6-bisphosphatase: a review of relationships between the two activities of the enzyme. El-Maghrabi MR, et al. **J Cell Biochem** 1984;26(1):1-17 (52 ref.)

Influence of osmolytes, thin filaments, and solubility state on elasmobranch phosphofructokinase in vitro. Hand SC, et al. **J Exp Zool** 1984 Aug;231(2):297-302

Kinetic properties of erythrocyte phosphofructokinase in patients with type VII glycogenosis from two families--close similarity to liver type phosphofructokinase. Shimizu T, et al. **J Inherited Metab Dis** 1984;7(3):107-11

Binding and regulatory properties of phosphofructokinase from swine kidney. Muniyappa K, et al. **Mol Cell Biochem** 1984 Aug;63(1):21-32

[A model of the allosteric behavior of phosphofructokinase from rabbit muscles determined by the action of adenine nucleotides] Cherepanov DA, et al. **Biokhimiia** 1985 Jun; 50(6):1039-51 (Eng. Abstr.) **(Rus)**

[Activity of the key glycolysis enzymes of the heart during emotional stress and myocardial necrosis induced after exposure to stress] Iakushev VS, et al. **Vopr Med Khim** 1985 Jan-Feb;31(1):79-82 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Phosphofructokinase of calf trabecular meshwork. Anderson PJ, et al. **Invest Ophthalmol Vis Sci** 1984 Nov;25(11):1262-6

PHOSPHOGLUCOMUTASE

ANALYSIS

PGM1 subtypes in the Polish population. Schlesinger D, et al. **Arch Immunol Ther Exp (Warsz)** 1984;32(6):711-6

Demonstration of phosphoglucomutase 1 in a subclone of the K-562 cell line. Ravazzolo R, et al. **Cancer Res** 1985 Mar;45(3):1296-9

Differentiation of species and life cycle stages of Brugia spp. by isoenzyme analysis. Flockhart HA, et al. **J Parasitol** 1984 Jun;70(3):378-84

ANTAGONISTS & INHIBITORS

Vit C.Fe(III) induced loss of the covalently bound phosphate and enzyme activity of phosphoglucomutase. Deshpande VV, et al. **J Biol Chem** 1985 Jan 25;260(2):757-64

BLOOD

Human erythrocyte phosphoglucomutase: comparison of the kinetic properties of PGM1 and PGM2 isoenzymes. Ninfali P, et al. **Biochimie** 1984 Sep-Oct;66(9-10):617-23

Glucose-1,6-P2 synthesis, phosphoglucomutase and phosphoribomutase correlate with glucose-1,6-P2 concentration in mammals red blood cells. Accorsi A, et al. **Comp Biochem Physiol [B]** 1985;80(4):839-42

GENETICS

Enzyme polymorphism in Drosophila melanogaster populations in Iraq. Lamooza SB, et al. **Biochem Genet** 1985 Apr;23(3-4):321-8

Electrophoretic and heat-stability polymorphism at the phosphoglucomutase (Pgm) locus in natural populations of Drosophila melanogaster. Loverre-Chyurlia A, et al. **Biochem Genet** 1985 Feb;23(1-2):29-36

Differences in tissue expressions of enzyme activities in interspecific sunfish (Centrarchidae) hybrids and their backcross progeny. Pasdar M, et al. **Biochem Genet** 1984 Oct;22(9-10):931-56

Gene localisation of the PGM1 enzyme system and the Duffy blood groups on chromosome No. 1 by means of a new fragile site at 1p31. Herbich J, et al. **Hum Genet** 1985; 70(2):178-80

Population studies on human phosphoglucomutase-1 thermostability polymorphism. Scozzari R, et al. **Hum Genet** 1984;68(4):314-7

6PGD and PGM1 polymorphisms in south Sardinia. Floris R, et al. **Hum Hered** 1984;34(4):263-5

Enzyme polymorphism in placentae from northern Greece. Kouvatsi A, et al. **Hum Hered** 1984;34(4):207-11

Red cell enzyme types in rheumatic diseases. Krylov MYu, et al. **Hum Hered** 1985;35(2):107-10

Phosphoglucomutase (PGM1) subtypes in a Finnish population determined by isoelectric focusing in agarose gel. Lukka M, et al. **Hum Hered** 1985;35(2):95-100

PGM1 null allele detected in a Caucasian mother-son pair. Ward LJ, et al. **Hum Hered** 1985;35(3):178-81

Simultaneous electrophoretic determination of phosphoglucomutase subtypes, adenosine deaminase, erythrocyte acid phosphatase, and adenylate kinase enzyme phenotypes. Wolson TL, et al. **J Forensic Sci** 1985 Jul; 30(3):904-7

Problems associated with the typing of semen on anal swabs. Green RJ, et al. **J Forensic Sci Soc** 1985 Jan-Feb;25(1):55-6

The ABO, MN, phosphoglucomutase1 (PGM1) and 6-phosphogluconate dehydrogenase (PGD) types in Chiang Mai population. Tomita Y, et al. **J Med Assoc Thai** 1984 Sep;67(9):498-503

Electrophoretic variants of blood proteins in Japanese. II. Phosphoglucomutase-1 (PGM1). Satoh C, et al. **Jinrui Idengaku Zasshi** 1984 Sep;29(3):287-310

Electrophoretic variants of blood proteins in Japanese. I. Phosphoglucomutase-2 (PGM2). Satoh C, et al. **Jinrui Idengaku Zasshi** 1984 Jun;29(2):89-104

Polymorphism of placental phosphoglucomutase in Japanese. Oya M, et al. **Tohoku J Exp Med** 1985 Jun;146(2):189-92

[Rare PGM1 (6) and PGM1(7) alleles in the Polish population] Szczerkowska Z, et al. **Z Rechtsmed** 1984; 93(1):61-4 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

The Pk-3 gene determines both the heart, M1, and the kidney, M2, pyruvate kinase isozymes in the mouse; and a simple electrophoretic method for separating phosphoglucomutase-3. Peters J, et al. **Biochem Genet** 1984 Dec;22(11-12):1047-63

METABOLISM

Multinuclear magnetic resonance studies of metal ion binding sites of phosphoglucomutase. Rhyu GI, et al. **Biochemistry** 1985 May 7;24(10):2536-41

Theory and practical application of coupled enzyme systems: one and two coupling enzymes with mutarotation of an intermediate. Brooks SP, et al. **Can J Biochem Cell Biol** 1984 Oct;62(10):956-63

PHOSPHOGLUCONATE DEHYDROGENASE

ANTAGONISTS & INHIBITORS

The inhibitory effect of actinomycin D and cycloheximide on the increase in activity of glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase in experimentally induced diseased skeletal muscles. Meijer AE, et al. **Histochem J** 1984 Sep;16(9):971-82

BLOOD

Half-site reactivity in 6-phosphogluconate dehydrogenase from human erythrocytes. Dallocchio F, et al. **Biochem J** 1985 Apr 1;227(1):305-10

Relationships between the H and A-O blood types, phosphohexose isomerase and 6-phosphogluconate dehydrogenase red cell enzyme systems and halothane sensitivity, and economic traits in a superior and an inferior selection line of swiss landrace pigs. Vögeli P, et al. **J Anim Sci** 1984 Dec;59(6):1440-50

GENETICS

Genetics, subcellular localization, and molecular characterization of 6-phosphogluconate dehydrogenase isozymes in tomato. Tanksley SD, et al. **Biochem Genet** 1985 Jun;23(5-6):441-54

Specific deletion occurring in the directed evolution of 6-phosphogluconate dehydrogenase in Escherichia coli. Miller RD, et al. **Genetics** 1984 Dec;108(4):765-72

6PGD and PGM1 polymorphisms in south Sardinia. Floris R, et al. **Hum Hered** 1984;34(4):263-5

The ABO, MN, phosphoglucomutase1 (PGM1) and 6-phosphogluconate dehydrogenase (PGD) types in Chiang Mai population. Tomita Y, et al. **J Med Assoc Thai** 1984 Sep;67(9):498-503

Essential site for growth rate-dependent regulation within the Escherichia coli gnd structural gene. Baker HV 2d, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7669-73

METABOLISM

Opposite changes with age in liver and muscle in the mitochondrial and soluble glucose-1,6-bisphosphate and 6-phosphogluconate dehydrogenase. Beitner R, et al. **Biochem Med** 1984 Aug;32(1):57-66

Use of multiple isotope effects to study the mechanism of 6-phosphogluconate dehydrogenase. Rendina AR, et al. **Biochemistry** 1984 Dec 4;23(25):6257-62

Drug effects on certain enzymes of carbohydrate metabolism in MCF-7 cells in culture. Mitchell I, et al. **Clin Oncol** 1984 Sep;10(3):253-60

General stability of thermophilic enzymes: studies on 6-phosphogluconate dehydrogenase from Bacillus stearothermophilus and yeast. Veronese FM, et al. **J Appl Biochem** 1984 Feb-Apr;6(1-2):39-47

Human brain 6-phosphogluconate dehydrogenase: purification and kinetic properties. Weisz KS, et al. **J Neurochem** 1985 Feb;44(2):510-7

Glucose-6-phosphate dehydrogenase, 6-phosphogluconate dehydrogenase and glyceraldehyde-3-phosphate dehydrogenase activities in early stages of development in dystrophic chickens. Mizuno Y. **J Neurol Sci** 1985 Apr; 68(1):47-60

NEWARK PUBLIC LIBRARY

[A study on the glucolytic enzyme activities in the experimental vesical cancer induced by N-butyl-N-butanol (4) nitrosamine in rats] Yagishita T. **Nippon Hinyokika Gakkai Zasshi** 1984 Jun;75(6):893-902 (Eng. Abstr.) **(Jpn)**

[Dehydrogenases of the pentose cycle in rat liver peroxisomes] Antonenkov VD, et al. **Biokhimiia** 1984 Jul; 49(7):1159-65 (Eng. Abstr.) **(Rus)**

[Effect of series E and F prostaglandins on the reaction of the pentosephosphate pathway of carbohydrate metabolism in isolated perfused rat organs] Kudriavtseva GV, et al. **Biokhimiia** 1984 Nov;49(11):1847-53 (Eng. Abstr.) **(Rus)**

[New enzymatic systems of mammalian peroxisomes] Panchenko LF, et al. **Vestn Akad Med Nauk SSSR** 1984; (8):48-52 (Eng. Abstr.) **(Rus)**

PHOSPHOGLUCOSE ISOMERASE see **GLUCOSEPHOSPHATE ISOMERASE**

PHOSPHOGLYCERALDEHYDE DEHYDROGENASE see **GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE**

PHOSPHOGLYCERATE DEHYDROGENASE see under **CARBOHYDRATE DEHYDROGENASES**

PHOSPHOGLYCERATE KINASE

Unfolding-refolding transition of a hinge bending enzyme: horse muscle phosphoglycerate kinase induced by guanidine hydrochloride. Betton JM, et al. **Biochemistry** 1984 Dec 18;23(26):6654-61

ANALYSIS

Investigation of variability among mouse aggregation chimaeras and X-chromosome inactivation mosaics. West JD, et al. **J Embryol Exp Morphol** 1984 Dec;84:309-29

GENETICS

Sequence of the promoter region of the gene for human X-linked 3-phosphoglycerate kinase] Singer-Sam J, et al. **Gene** 1984 Dec;32(3):409-17

Molecular cloning and structure of an autosomal processed gene for human phosphoglycerate kinase. Tani K, et al. **Gene** 1985;35(1-2):11-8

Parental influences on X chromosome expression. Forrester LM, et al. **Genet Res** 1985 Feb;45(1):95-100

The phosphoglycerate kinase isozyme system in mammals: biochemical, genetic, developmental, and evolutionary aspects. VandeBerg JL. **Isozymes Curr Top Biol Med Res** 1985;12:133-87 (153 ref.)

The human phosphoglycerate kinase multigene family. HLA-associated sequences and an X-linked locus containing a processed pseudogene and its functional counterpart. Michelson AM, et al. **J Biol Chem** 1985 Jun 10;260(11):6982-92

Homologous versus heterologous gene expression in the yeast, Saccharomyces cerevisiae. Chen CY, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8951-70

ISOLATION & PURIFICATION

Simultaneous purification of hexokinase, class-I fructose-bisphosphate aldolase, triosephosphate isomerase and phosphoglycerate kinase from Trypanosoma brucei. Misset O, et al. **Eur J Biochem** 1984 Nov 2;144(3):475-83

METABOLISM

Immobilized glyceraldehyde-3-phosphate dehydrogenase forms a complex with phosphoglycerate kinase. Ashmarina LI, et al. **Biochem Int** 1984 Oct;9(4):511-21

Electron-paramagnetic-resonance studies of Mn(II) complexes with enzymes and substrates. Reed GH. **Biochem Soc Trans** 1985 Jun;13(3):567-71

Changes in enzyme activities involved in the degradation of 1,3-bisphosphoglycerate during erythropoiesis in rat bone marrow. Pineda M, et al. **Cell Biochem Funct** 1984 Oct;2(4):254-6

Yeast glyceraldehyde-3-phosphate dehydrogenase. Evidence that subunit cooperativity in catalysis can be controlled by the formation of a complex with phosphoglycerate kinase. Ashmarina LI, et al. **Eur J Biochem** 1985 May 15; 149(1):67-72

Binding of glycolytic enzymes to cardiac sarcolemmal and sarcoplasmic reticular membranes. Pierce GN, et al. **J Biol Chem** 1985 Jun 10;260(11):6862-70

Evidence concerning the clonal nature of chemically induced tumors: phosphoglycerate kinase-1 isozyme patterns in chemically induced fibrosarcomas. Deamant FD, et al. **JNCI** 1985 Jan;74(1):145-50

PHOSPHOGLYCERIDES see **GLYCEROPHOSPHATES**

PHOSPHOGLYCEROMUTASE see under **PHOSPHOTRANSFERASES**

PHOSPHOHEXOSE ISOMERASE see **GLUCOSEPHOSPHATE ISOMERASE**

PHOSPHOHYDROLASES see **PHOSPHATASES**

PHOSPHOINOSITIDES

ANALYSIS

Separation of inositol phosphates and glycerophosphoinositol phosphates by high-performance liquid chromatography. Binder H, et al. **Anal Biochem** 1985 Jul;148(1):220-7

Microdetermination of phosphoinositides in a single extract. van Dongen CJ, et al. **Anal Biochem** 1985 Jan;144(1):104-9

Immunocytochemical detection of triphosphoinositide in vestibular hair cells. Tachibana M, et al. **Histochemistry** 1985;82(2):197-9

Localization of triphosphoinositide in the cochlea. An electronmicroscopic immunocytochemical study. Tachibana M, et al. **Histochemistry** 1984;81(2):157-60

Simplified procedure for the quantitation of radioactive phosphoinositides by thin-layer chromatography. Crosby SD, et al. **J Chromatogr** 1985 Apr 26;323(2):462-4

BIOSYNTHESIS

Cyclic AMP-dependent protein kinase and Ca2+-calmodulin stimulate the formation of polyphosphoinositides in a sarcoplasmic reticulum preparation of rabbit heart. Enyedi A, et al. **FEBS Lett** 1984 Oct 15;176(1):235-8

Association of phosphatidylinositol kinase activity with polyoma middle-T competent for transformation. Whitman M, et al. **Nature** 1985 May 16-22;315(6016):239-42

Evidence from two transformed cell lines that the phosphorylations of peptide tyrosine and phosphatidylinositol are catalyzed by different proteins. MacDonald ML, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):3993-7

BLOOD

1-Oleoyl-2-acetyl-glycerol (OAG) stimulates the formation of phosphatidylinositol 4-phosphate in intact human platelets. de Chaffoy de Courcelles D, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):589-95

Phorbol myristate acetate stimulates formation of phosphatidyl inositol 4-phosphate and phosphatidyl inositol 4,5-bisphosphate in human platelets. Halenda SP, et al. **Biochem Biophys Res Commun** 1984 Oct 30; 124(2):507-13

Calmodulin antagonists elevate the levels of 32P-labeled polyphosphoinositides in human platelets. Tallant EA, et al. **Biochem Biophys Res Commun** 1985 Aug 30; 131(1):370-7

Potential role for a guanine nucleotide regulatory protein in chemoattractant receptor mediated polyphosphoinositide metabolism, Ca++ mobilization and cellular responses by leukocytes. Verghese MW, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):450-7

The energetics of early platelet responses. Energy consumption during shape change and aggregation with special reference to protein phosphorylation and the polyphosphoinositide cycle. Verhoeven AJ, et al. **Biochem J** 1985 Jun 1;228(2):451-62

Role of enhanced inositol phospholipid metabolism in neutrophil activation. Takenawa T, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):1931-5

Changes in morphology and in polyphosphoinositide turnover of human erythrocytes after cholesterol depletion. Giraud F, et al. **Biochim Biophys Acta** 1984 Nov 21; 778(1):191-200

Breakdown and synthesis of polyphosphoinositides in fMetLeuPhe-stimulated neutrophils. Cockcroft S, et al. **FEBS Lett** 1985 Feb 25;181(2):259-63

Tumour-promoting phorbol esters inhibit agonist-induced phosphatidate formation and Ca2+ flux in human platelets. MacIntyre DE, et al. **FEBS Lett** 1985 Jan 28;180(2):160-4

Relationships between phosphoinositide metabolism, Ca2+ changes and respiratory burst in formyl-methionyl-leucyl-phenylalanine-stimulated human neutrophils. The breakdown of phosphoinositides is not involved in the rise of cytosolic free Ca2+. Rossi F, et al. **FEBS Lett** 1985 Feb 25;181(2):253-8

Phosphoinositide breakdown as an indirect link between stimulation and aggregation of rat platelets by thrombin and collagen. Kito M, et al. **J Biochem (Tokyo)** 1985 Mar; 97(3):765-72

Serotonin release and phosphoinositide breakdown in thrombin-induced activation of human platelets. Marche P, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S18-9

Polyphosphoinositides and the shape of mammalian erythrocytes. Quist E, et al. **Lipids** 1985 Jul;20(7):433-8

Leukotriene B4 mobilizes calcium without the breakdown of polyphosphoinositides and the production of phosphatidic acid in rabbit neutrophils. Volpi M, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):5966-9

Hydrolysis of polyphosphoinositides in human platelets. Nakamura K, et al. **Thromb Res** 1985 Jun 1;38(5):513-25

IMMUNOLOGY

Phosphate-binding specificities of monoclonal antibodies against phosphoinositides in liposomes. Wassef NM, et al. **Mol Immunol** 1984 Oct;21(10):863-8

METABOLISM

Role of calcium in cholecystokinin-stimulated phosphoinositide breakdown in exocrine pancreas. Pandol SJ, et al. **Am J Physiol** 1985 May;248(5 Pt 1):G551-60

Effects of vasopressin on phosphoinositides and prostaglandin production in cultured mesangial cells. Troyer DA, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):F139-47

Characterization of a phosphatidylinositol 4-phosphate-specific phosphomonoesterase in rat liver nuclear envelopes. Smith CD, et al. **Arch Biochem Biophys** 1984 Dec;235(2):529-37

A tumor promoter enhances the phosphorylation of polyphosphoinositides while decreasing phosphatidylinositol labelling in lymphocytes. Boon AM, et al. **Biochem Biophys Res Commun** 1985 Jun 14; 129(2):431-8

Deoxycholate induces the preferential hydrolysis of polyphosphoinositides by human platelet and rat corneal phospholipase C. Chung SM, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):411-6

Cyclic AMP-dependent protein kinase stimulates the phosphorylation of phosphatidylinositol to phosphatidylinositol-4-monophosphate in a plasma membrane preparation from pig granulocytes. Farkas G, et al. **Biochem Biophys Res Commun** 1984 Nov 14; 124(3):871-6

Activation of human platelets by ADP causes a rapid rise in cytosolic free calcium without hydrolysis of phosphatidylinositol-4,5-bisphosphate. Fisher GJ, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):958-64

Synergism between diacylglycerols and calcium ionophore in the induction of human B cell proliferation mimics the inositol lipid polyphosphate breakdown signals induced by crosslinking surface immunoglobulin. Guy GR, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):484-91

Rapid polyphosphoinositide decrease is an early event in the steroidogenic response of bovine adrenocortical fasciculata cells to angiotensin II. Hadjian AJ, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):393-9

Mammalian tachykinin-induced hydrolysis of inositol phospholipids in rat brain slices. Hunter JC, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):616-22

Polyphosphoinositide turnover in rat mast cells stimulated by antigen: rapid and preferential breakdown of phosphatidylinositol 4-phosphate (DPI). Ishizuka Y, et al. **Biochem Biophys Res Commun** 1984 Sep 28;123(3):875-81

Enzymatic synthesis and hydrolysis of [32P]phosphatidylinositol phosphate. Knowles AF, et al. **Biochem Biophys Res Commun** 1985 May 31;129(1):220-5

Luteinizing hormone-releasing hormone enhances polyphosphoinositide breakdown in rat granulosa cells. Ma F, et al. **Biochem Biophys Res Commun** 1985 Aug 15; 130(3):1201-8

Unique inhibitory profile of platelet activating factor induced calcium mobilization, polyphosphoinositide turnover and granule enzyme secretion in rabbit neutrophils towards pertussis toxin and phorbol ester. Naccache PH, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):677-84

Tumor promoter phorbol 12-myristate, 13-acetate inhibits phosphoinositide hydrolysis and cytosolic Ca2+ rise induced by the activation of muscarinic receptors in PC12 cells. Vicentini LM, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):310-7

Carbachol causes rapid phosphodiesteratic cleavage of phosphatidylinositol 4,5-bisphosphate and accumulation of inositol phosphates in rabbit iris smooth muscle; prazosin inhibits noradrenaline- and ionophore A23187-stimulated accumulation of inositol phosphates. Akhtar RA, et al. **Biochem J** 1984 Nov 15;224(1):291-300

Pertussis toxin does not inhibit muscarinic-receptor-mediated phosphoinositide hydrolysis or calcium mobilization. Masters SB, et al. **Biochem J** 1985 May 1;227(3):933-7

Effect of glucose on polyphosphoinositide metabolism in isolated rat islets of Langerhans. Montague W, et al. **Biochem J** 1985 Apr 15;227(2):483-9

Breakdown of phosphatidylinositol 4,5-bisphosphate in a T-cell leukaemia line stimulated by phytohaemagglutinin is not dependent on Ca2+ mobilization. Sasaki T, et al. **Biochem J** 1985 May 1;227(3):971-9

Muscarinic-receptor stimulation enhances polyphosphoinositide breakdown in guinea-pig ileum smooth muscle. Sekar MC, et al. **Biochem J** 1984 Oct 15; 223(2):527-31

Stimulation of phosphoinositide hydrolysis and inhibition of cyclic AMP formation by muscarinic agonists in developing chick heart. Orellana SA, et al. **Biochem Pharmacol** 1985 Apr 15;34(8):1321-4

Comparison of postnatal changes in alpha 1-adrenoceptor binding and adrenergic stimulation of phosphoinositide hydrolysis in rat cerebral cortex. Schoepp DD, et al. **Biochem Pharmacol** 1985 Aug 1;34(15):2705-11

Light-regulated biochemical events in invertebrate photoreceptors. 2. Light-regulated phosphorylation of rhodopsin and phosphoinositides in squid photoreceptor membranes. Vandenberg CA, et al. **Biochemistry** 1984 May 22;23(11):2347-52

The effects of gamma-hexachlorocyclohexane on amylase secretion and inositol phospholipid metabolism in mouse pancreatic acini. Crouch MF, et al. **Biochim Biophys Acta** 1985 Feb 21;844(2):149-57

Phosphatidylinositol hydrolysis and phosphatidylinositol 4',5-diphosphate hydrolysis are separable responses during secretagogue action in the rat pancreas. Farese RV, et al. **Biochim Biophys Acta** 1985 Aug 30;846(2):296-304

Changes in [3H]inositol-labelled phosphoinositides of pig platelets in response to thrombin. Lymberopoulos G, et al. **Biochim Biophys Acta** 1984 Nov 13;805(3):285–90

Histamine-induced inositol phospholipid breakdown in the longitudinal smooth muscle of guinea-pig ileum. Donaldson J, et al. **Br J Pharmacol** 1985 Jun;85(2):499–512

Tetanic stimulation affects the metabolism of phosphoinositides in hippocampal slices. Bär PR, et al. **Brain Res** 1984 Nov 12;321(2):381–5

B lymphocyte receptors and polyphosphoinositide degradation. Bijsterbosch MK, et al. **Cell** 1985 Jul; 41(3):999–1006

Phosphoinositides in mitogenesis: neomycin inhibits thrombin-stimulated phosphoinositide turnover and initiation of cell proliferation. Carney DH, et al. **Cell** 1985 Sep;42(2):479–88

Differential effects of phenylmethanesulfonyl fluoride (PMSF) on carbachol and potassium stimulated phosphoinositide turnover and contraction in longitudinal smooth muscle of guinea pig ileum. Sekar MC, et al. **Cell Calcium** 1984 Jun;5(3):191–203

Metabolism of phosphoinositides and inositol polyphosphates in rabbit corneal epithelium. Bazan HE, et al. **Curr Eye Res** 1985 Jul;4(7):793–801

The role of the phosphatidate-phosphoinositide cycle in the action of steroidogenic hormones. Farese RV. **Endocr Res** 1984–85;10(3–4):515–32 (52 ref.)

Nutrient and hormone-neurotransmitter stimuli induce hydrolysis of polyphosphoinositides in rat pancreatic islets. Best L, et al. **Endocrinology** 1984 Nov;115(5):1814–20

Parthenogenetic activation decreases the polyphosphoinositide content of frog eggs. Le Peuch Cj, et al. **FEBS Lett** 1985 Jul 22;187(1):61–4

Phosphoinositide breakdown in isolated rat parotid membranes. Stimulation by cholinergic and alpha-adrenergic agonists. Nadler E, et al. **FEBS Lett** 1984 Dec 10;178(2):278–82

A wasp venom mastoparan-induced polyphosphoinositide breakdown in rat peritoneal mast cells. Okano Y, et al. **FEBS Lett** 1985 Sep 2;188(2):363–6

Polyphosphoinositide hydrolysis is associated with exocytosis in adrenal medullary cells. Whitaker M. **FEBS Lett** 1985 Sep 9;189(1):137–40

Calcium-dependent polyphosphoinositide hydrolysis is associated with exocytosis in vitro. Whitaker M, et al. **FEBS Lett** 1985 Mar 11;182(1):119–24

Evidence for a Ca2+-independent hydrolysis of phosphatidylinositol 4,5-bisphosphate in neuron-like cell line NG108-15 cells. Yano K, et al. **FEBS Lett** 1985 Apr 22;183(2):235–9

Effects of luteinizing hormone on phosphoinositide metabolism in rat granulosa cells. Davis JS, et al. **J Biol Chem** 1984 Dec 25;259(24):15028–34

Thrombin induces serotonin secretion and aggregation independently of inositol phospholipids hydrolysis and protein phosphorylation in human platelets permeabilized with saponin. Lapetina EG, et al. **J Biol Chem** 1985 Jun 10;260(11):7078–83

5-Hydroxytryptamine stimulates inositol phosphate production in a cell-free system from blowfly salivary glands. Evidence for a role of GTP in coupling receptor activation to phosphoinositide breakdown. Litosch I, et al. **J Biol Chem** 1985 May 10;260(9):5464–71

Increase in cytosolic calcium and phosphoinositide metabolism induced by angiotensin II and [Arg]vasopressin in vascular smooth muscle cells. Nabika T, et al. **J Biol Chem** 1985 Apr 25;260(8):4661–70

Phorbol ester inhibits phosphoinositide hydrolysis and calcium mobilization in cultured astrocytoma cells. Orellana SA, et al. **J Biol Chem** 1985 May 10;260(9):5236–9

Insulin-stimulated phosphoinositide metabolism in isolated fat cells. Pennington SR, et al. **J Biol Chem** 1985 Sep 15; 260(20):11039–45

Chemoattractant receptor-induced hydrolysis of phosphatidylinositol 4,5-bisphosphate in human polymorphonuclear leukocyte membranes. Requirement for a guanine nucleotide regulatory protein. Smith CD, et al. **J Biol Chem** 1985 May 25;260(10):5875–8

Insulin and epidermal growth factor do not affect phosphoinositide metabolism in rat liver plasma membranes and hepatocytes. Taylor D, et al. **J Biol Chem** 1985 Feb 25;260(4):2011–4

Hydrolysis of polyphosphoinositides by purified sheep seminal vesicle phospholipase C enzymes. Wilson DB, et al. **J Biol Chem** 1984 Oct 10;259(19):11718–24

Phosphoinositide interconversion in thrombin-stimulated human platelets. Wilson DB, et al. **J Biol Chem** 1985 Jan 25;260(2):1046–51

Muscarinic receptor-induced phosphoinositide hydrolysis at resting cytosolic Ca2+ concentration in PC12 cells. Vicentini LM, et al. **J Cell Biol** 1985 Apr;100(4):1330–3

Phosphoinositide turnover in erythrocyte membranes in human and experimental hypertension. Marche P, et al. **J Hypertens** 1985 Feb;3(1):25–30

Regional differences in the coupling of muscarinic receptors to inositol phospholipid hydrolysis in guinea pig brain. Fisher SK, et al. **J Neurochem** 1985 Oct;45(4):1085–95

Effect of electrical stimulation on phosphoinositide metabolism in rat sciatic nerve in vivo. Goswami SK, et al. **J Neurochem** 1985 Mar;44(3):941–6

Calcium- and calmodulin-dependent phosphorylation of diphosphoinositide in acetylcholine receptor-rich membranes from electroplax of Narke japonica. Hayashi F, et al. **J Neurochem** 1985 Jul;45(1):124–31

Norepinephrine stimulation of phosphoinositide hydrolysis in rat cerebral cortex is associated with the alpha1-adrenoceptor. Schoepp DD, et al. **J Neurochem** 1984 Dec;43(6):1758–61

Effects of systemically administered lithium on phosphoinositide metabolism in rat brain, kidney, and testis. Sherman WR, et al. **J Neurochem** 1985 Mar;44(3):798–807

Characterization of the cholinergic stimulation of phosphoinositide hydrolysis in rat brain slices. Gonzales RA, et al. **J Neurosci** 1984 Dec;4(12):3120–7

Serotonin-stimulated phosphoinositide turnover: mediation by the S2 binding site in rat cerebral cortex but not in subcortical regions. Conn PJ, et al. **J Pharmacol Exp Ther** 1985 Jul;234(1):195–203

Pirenzepine distinguishes between muscarinic receptor-mediated phosphoinositide breakdown and inhibition of adenylate cyclase. Gil DW, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):608–16

Muscarine stimulates the hydrolysis of inositol-containing phospholipids in the superior cervical ganglion. Horwitz J, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):235–41

5-Hydroxytryptamine-stimulated inositol phospholipid hydrolysis in rat cerebral cortex slices: pharmacological characterization and effects of antidepressants. Kendall DA, et al. **J Pharmacol Exp Ther** 1985 May;233(2):473–9

Characterization of IBE 2254 binding to alpha 1-adrenergic receptors on intact DDT1 smooth muscle cells: comparison with membrane binding and correlation with phosphoinositides breakdown. Hoyer D. **J Recept Res** 1984; 4(1–6):51–67

The role of phosphatidylinositol 4,5 bisphosphate breakdown in cell-surface receptor activation. Kirk CJ, et al. **J Recept Res** 1984;4(1–6):489–504

The application of HPLC methodology for the analysis of receptor mediated changes in phosphoinositide metabolism. Roduit C, et al. **J Recept Res** 1984;4(1–6):505–20

Comparison of muscarinic and alpha-adrenergic receptors in rat atria based on phosphoinositide turnover. Sekar MC, et al. **Life Sci** 1984 Oct 1;35(14):1527–33

Phosphorylation of chloroform soluble compounds in plasma membranes of human epidermoid carcinoma A431 cells. Brautigan DL, et al. **Lipids** 1985 Jul;20(7):492–5

Analysis of hormone-induced changes of phosphoinositide metabolism in rat liver. Wallace MA, et al. **Methods Enzymol** 1985;109:469–79

Polyphosphoinositide metabolism in adrenal glomerulosa cells. Enyedi P, et al. **Mol Cell Endocrinol** 1985 Jun; 41(1):105–12

The putative M1 muscarinic receptor does not regulate phosphoinositide hydrolysis. Studies with pirenzepine and McN-A343 in chick heart and astrocytoma cells. Brown JH, et al. **Mol Pharmacol** 1985 May;27(5):525–31

Relationships between phosphoinositide and calcium responses to muscarinic agonists in astrocytoma cells. Masters SB, et al. **Mol Pharmacol** 1984 Sep;26(2):149–55

Agonist-induced desensitization of muscarinic receptor-mediated calcium efflux without concomitant desensitization of phosphoinositide hydrolysis. Masters SB, et al. **Mol Pharmacol** 1985 Mar;27(3):325–32

Specific interaction between phosphatidylinositol 4,5-bisphosphate and profilactin. Lassing I, et al. **Nature** 1985 Apr 4–10;314(6010):472–4

Mitogens increase phosphorylation of phosphoinositides in thymocytes. Taylor MV, et al. **Nature** 1984 Nov 29–Dec 5;312(5993):462–5

Substance P action on phosphoinositides in guinea-pig intestinal muscle: a possible transduction mechanism? Holzer P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar;329(1):50–5

Pertussis toxin inhibits chemotactic peptide-stimulated generation of inositol phosphates and lysosomal enzyme secretion in human leukemic (HL-60) cells. Brandt SJ, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3277–80

Phorbol esters promote alpha 1-adrenergic receptor phosphorylation and receptor uncoupling from inositol phospholipid metabolism. Leeb-Lundberg LM, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5651–5

Angiotensin II rapidly increases phosphatidate-phosphoinositide synthesis and phosphoinositide hydrolysis and mobilizes intracellular calcium in cultured arterial muscle cells. Smith JB, et al. **Proc Natl Acad Sci USA** 1984 Dec;81(24):7812–6

Inositol cyclic phosphates are produced by cleavage of phosphatidylphosphoinositols (polyphosphoinositides) with purified sheep seminal vesicle phospholipase C enzymes. Wilson DB, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):4013–7

Phorbol myristate acetate inhibits thrombin-stimulated Ca2+ mobilization and phosphatidylinositol 4,5-bisphosphate hydrolysis in human platelets. Zavoico GB, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3859–62

[Effects of aminoglycosides on phosphoinositide metabolism in renal proximal tubules. In vivo and in vitro studies] Marche P, et al. **Pathol Biol (Paris)** 1985 May;33(5):373–6 (Eng. Abstr.) **(Fre)**

[Studies of phosphorylation in rat mast cells (seventh report)--histamine-release and metabolism of polyphosphoinositides] Kurosawa M, et al. **Arerugi** 1985 Mar;34(3):198–203 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Inhibition of phosphatidylinositol-4-phosphate kinase by its product phosphatidylinositol-4,5-bisphosphate. Van Rooijen LA, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):150–5

Phosphatidylinositol 4,5-biphosphate stimulates parotid endoplasmic reticulum (Ca2+ + Mg2+)-ATP'ase. Thiyagarajah P, et al. **Biochem Int** 1984 Nov;9(5):625–30

Solubilization and reconstitution of a nuclear envelope-associated ATPase. Synergistic activation by RNA and polyphosphoinositides. Smith CD, et al. **J Biol Chem** 1984 Oct 10;259(19):11890–4

Inositol trisphosphate-induced calcium release and contraction in vascular smooth muscle. Somlyo AV, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5231–5

PHYSIOLOGY

Receptors and phosphoinositide-generated second messengers. Hokin LE. **Annu Rev Biochem** 1985;54:205–35 (351 ref.)

Absence of phosphatidylinositol phosphodiesterase in the head of a Drosophila visual mutant, norpA (no receptor potential A). Yoshioka T, et al. **J Biochem (Tokyo)** 1985 Apr;97(4):1251–4

Role of calcium and phosphoinositides in the actions of certain hormones and neurotransmitters. Exton JH. **J Clin Invest** 1985 Jun;75(6):1753–7 (59 ref.)

The relationships between receptor binding capacity for norepinephrine, angiotensin II, and vasopressin and release of inositol trisphosphate, Ca2+ mobilization, and phosphorylase activation in rat liver. Lynch CJ, et al. **Mol Pharmacol** 1985 Aug;28(2):93–9

Inositol trisphosphate, a novel second messenger in cellular signal transduction. Berridge MJ, et al. **Nature** 1984 Nov 22–28;312(5992):315–21 (140 ref.)

The polyphosphoinositides revisited [news] Marx JL. **Science** 1985 Apr 19;228(4697):312–3

RADIATION EFFECTS

Phosphatidylinositol 4,5-bisphosphate: light-mediated breakdown in the vertebrate retina. Ghalayini A, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):503–6

PHOSPHO-2-KETO-3-DEOXY-HEPTONATE ALDOLASE see under **ALDEHYDE-LYASES**

PHOSPHOLINE IODIDE see **ECHOTHIOPHATE IODIDE**

PHOSPHOLIPASE C see under **PHOSPHOLIPASES**

PHOSPHOLIPASE D see under **PHOSPHOLIPASES**

PHOSPHOLIPASES

Evidence that the zymogen of phospholipase A2 binds to a negatively charged lipid-water interface. Volwerk JJ, et al. **Chem Phys Lipids** 1984 Dec;36(2):101–10

Acquisition of native structure from reduced Trimeresurus flavoviridis phospholipase A2. Tanaka S, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1443–8

The refined crystal structure of dimeric phospholipase A2 at 2.5 A. Access to a shielded catalytic center. Brunie S, et al. **J Biol Chem** 1985 Aug 15;260(17):9742–9

Interaction of crotoxin and its isolated subunits with spin-labeled fatty acids. Radvanyi F, et al. **J Biol Chem** 1985 Jul 25;260(15):8765–70

Semi-synthetic approach for the preparation of homogeneous plasmenylethanolamine utilizing phospholipase D from Streptomyces chromofuscus. Wolf RA, et al. **J Lipid Res** 1985 May;26(5):629–33

Action of cobra venom phospholipase A2 on large unilamellar vesicles: comparison with small unilamellar vesicles and multibilayers. Kensil CR, et al. **Lipids** 1985 Feb;20(2):80–3

ANALYSIS

Ammodytoxin A, a highly lethal phospholipase A2 from Vipera ammodytes ammodytes venom. Ritonja A, et al. **Biochim Biophys Acta** 1985 Apr 29;828(3):306–12

Immunoreactive pancreatic colipase, lipase and phospholipase A2 in human plasma and urine from healthy individuals. Sternby B, et al. **Biochim Biophys Acta** 1984 Sep 11;789(2):164–9

Immunohistochemical localization of intestinal phospholipase A2 in rat paneth cells. Senegas-Balas F, et al. **Histochemistry** 1984;81(6):581–4

Sequence homology between phospholipase and its inhibitor in snake venom. The primary structure of the inhibitor of vipoxin from the venom of the Bulgarian viper (Vipera ammodytes ammodytes, Serpentes). Mancheva I, et al. **Hoppe Seylers Z Physiol Chem** 1984 Aug;365(8):885–94

Phosphoglycerides and phospholipase C in membrane fractions of Escherichia coli B. Bayer MH, et al. **J Bacteriol** 1985 Apr;162(1):50–4

Selective separation of tryptophan-containing peptides via hydrophobic modification with 2-nitro-4-carboxyphenylsulfenyl chloride. Tanaka S, et al. **J Biochem (Tokyo)** 1985 May;97(5):1377–84

A new class of phospholipases A2 with lysine in place of aspartate 49. Functional consequences for calcium and

PUBLIC LIBRARY

substrate binding. Maraganore JM, et al. **J Biol Chem** 1984 Nov 25;259(22):13839–43

Spectrophotometric determination of lipases, lysophospholipases, and phospholipases. Farooqui AA, et al. **J Lipid Res** 1984 Dec 15;25(13):1555–62 (40 ref.)

Subcellular localization of the phospholipases A of rat heart: evidence for a cytosolic phospholipase A1. Nalbone G, et al. **J Lipid Res** 1985 Jan;26(1):104–14

Affinity chromatography of phospholipase A2 from Naja naja naja (Indian cobra) venom. Hazlett TL, et al. **Toxicon** 1985;23(3):457–66

Amino acid sequences of phospholipases A2 from the venom of an Australian elapid snake (king brown snake, Pseudechis australis). Nishida S, et al. **Toxicon** 1985; 23(1):87–104

[Properties of phospholipase A2 from the venom of the large hornet Vespa orientalis] Tulchibaev MU, et al. **Biokhimiia** 1984 Sep;49(9):1546–55 (Eng. Abstr.) **(Rus)**

[Determination of phospholipase A2 and lysophospholipase A1 in a mixture] Tulchibaev MU, et al. **Prikl Biokhim Mikrobiol** 1985 Jan–Feb;21(1):122–8 (Eng. Abstr.) **(Rus)**

[Significance of phospholipase activity in assessing the course of the wound process in children] Borodina NV. **Vestn Khir** 1985 Apr;134(4):84–7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Serine esterase inhibitor reduces contractions with isolated trachea and lung strips from guinea pigs induced by phospholipase A2. Slapke J. **Allergol Immunopathol (Madr)** 1984 Jul–Aug;12(4):289–92

Inhibition of phospholipases by Met-Leu-Phe-Ile-Leu-Ile-Lys-Arg-Ser-Arg-His-Phe, C terminus of middle-sized tumor antigen. Notsu Y, et al. **Arch Biochem Biophys** 1985 Jan;236(1):195–204

In vitro inhibition of lysosomal phospholipases by aminoglycoside antibiotics: a comparative study. Carlier MB, et al. **Arch Toxicol [Suppl]** 1984;7:282–5

The effect of coenzyme Q10 on the action of phospholipase. Sugiyama S, et al. **Arzneimittelforsch** 1985;35(1):23–5

Dexamethasone directly inhibits snake venom phospholipase A. Kato N, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):761–7

Partial purification and characterisation of two compounds from amniotic fluid which inhibit phospholipase activity in human endometrial cells. Wilson T, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):22–9

Interaction of streptomycin and streptomycylamine derivatives with negatively charged lipid layers. Correlation between binding conformation of complexes and inhibition of lysosomal phospholipase activities. Brasseur R, et al. **Biochem Pharmacol** 1985 Apr 1; 34(7):1035–47

Inhibition of platelet and neutrophil phospholipase A2 by hydroxyeicosatetraenoic acids (HETES). A novel pharmacological mechanism for regulating free fatty acid release. Chang J, et al. **Biochem Pharmacol** 1985 May 1; 34(9):1571–5

Inhibition of purified lysosomal phospholipase A1 by beta-adrenoceptor blockers. Pappu AS, et al. **Biochem Pharmacol** 1985 Feb 15;34(4):521–4

Diethylaminoethoxyhexestrol causes hypertriglyceridemia in guinea pigs. Hostetler KY, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):165–9

Effects of antimalarial drugs on phospholipase A and lysophospholipase activities in plasma membrane, mitochondrial, microsomal and cytosolic subcellular fractions of rat liver. Löffler BM, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):448–55

Purification of a phospholipase B inhibitor from Saccharomyces cerevisiae. Witt W, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):249–55

Inhibition of lipid peroxidation in muscle homogenates by phospholipase A2 inhibitors. Jackson MJ, et al. **Biosci Rep** 1984 Jul;4(7):581–7

The induction of pulmonary phospholipidosis and the inhibition of lysosomal phospholipases by amiodarone. Heath MF, et al. **Br J Exp Pathol** 1985 Aug;66(4):391–7

Prevention by macrocortin of global cerebral ischemia in Sprague-Dawley rats. Koltai M, et al. **Eur J Pharmacol** 1984 Oct 15;105(3–4):347–50

Two new inhibitors of phospholipase A2 produced by Penicillium chermesinum. Taxonomy, fermentation, isolation, structure determination and biological properties. Singh PD, et al. **J Antibiot (Tokyo)** 1985 Jun;38(6):706–12

Studies on phospholipase A inhibitor in blood plasma. I. Purification and characterization of phospholipase A inhibitor in bovine plasma. Miwa M, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):761–73

Presence of a phospholipase A2 inhibitor in porcine serum. Nevalainen TJ, et al. **J Biochem (Tokyo)** 1984 Oct; 96(4):1303–5

Effects of phospholipase A2 inhibitors on ruthenium red-induced Ca2+ release from mitochondria. Broekemeier KM, et al. **J Biol Chem** 1985 Jan 10; 260(1):105–13

Cobra venom phospholipase A2 inhibition by manoalide. A novel type of phospholipase inhibitor. Lombardo D, et al. **J Biol Chem** 1985 Jun 25;260(12):7234–40

Retinoids antagonize the induction of ornithine decarboxylase activity by phorbol esters and phospholipase C in rat tracheal epithelial cells. Jetten AM, et al. **J Cell Physiol** 1985 Jun;123(3):386–94

Effects of aminoglycosides on proximal tubule brush border membrane phosphatidylinositol-specific phospholipase C. Schwertz DW, et al. **J Pharmacol Exp Ther** 1984 Oct; 231(1):48–55

Glutaraldehyde pretreatment blocks phospholipase A2 modulation of adrenergic receptors. Cohen RM, et al. **Life Sci** 1985 Jan 7;36(1):25–32

Inhibition of phospholipase A2 in vitro by some anti-hypoxic drugs. Nikolov R, et al. **Methods Find Exp Clin Pharmacol** 1984 Aug;6(8):429–31

Inhibition of human platelet phospholipase A2 activity by unsaturated fatty acids. Ballou LR, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):371–5

Dexamethasone-induced phospholipase A2-inhibitory proteins (PLIP) influenced by the H-2 histocompatibility region. Gupta C, et al. **Proc Soc Exp Biol Med** 1985 Jan; 178(1):29–35

Role in inflammation of glucocorticoid-induced phospholipase inhibitory proteins. Di Rosa M. **Prog Biochem Pharmacol** 1985;20:55–62 (32 ref.)

Anti-phospholipase proteins. Di Rosa M, et al. **Prostaglandins** 1984 Oct;28(4):441–2

A randomized double-blind study using CaNa2EDTA, a phospholipase A2 inhibitor, in the management of human acute pancreatitis. Tykkä HT, et al. **Scand J Gastroenterol** 1985 Jan;20(1):5–12

Effects of phospholipase A2, lysophosphatidyl choline, and fatty acid on the acrosome reaction of human spermatozoa. Kyono K, et al. **Tohoku J Exp Med** 1984 Nov;144(3):257–63

[Stabilization of synaptic membranes with alpha-tocopherol against the damaging effect of phospholipases. Possible mechanism of the biological action of vitamin E] Erin AN, et al. **Biokhimiia** 1985 Jun;50(6):998–1004 (Eng. Abstr.) **(Rus)**

[Inhibition of phospholipid hydrolysis by phospholipase A2 in microsomal and mitochondrial membranes subjected to lipid peroxidation] Balevska PS, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):161–4 (Eng. Abstr.) **(Rus)**

[Search for actinomycetes producing phospholipase C inhibitors] Iakovleva EP, et al. **Mikrobiologiia** 1985 Jan–Feb;54(1):42–8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Dextran sulfate-induced peritoneal lysophospholipase activity varies among mouse strains. Laubach HE. **Biochem Genet** 1985 Jun;23(5–6):357–62

Synthesis of a hydrolase for the membrane-form variant surface glycoprotein is repressed during transformation of Trypanosoma brucei. Bülow R, et al. **FEBS Lett** 1985 Jul 22;187(1):105–10

The DNA sequence encoding pldA gene, the structural gene for detergent-resistant phospholipase A of E. coli. Homma H, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1655–64

BLOOD

Quantitation of serum phospholipase A2 by enzyme-diffusion in lecithin agar gels. A comparative study in man and animals. Westermarck E, et al. **Acta Vet Scand** 1984; 25(2):229–41

Phospholipase A2 activity in rat and human lymphocytes. Jacqueline E, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):719–27

Prostaglandin endoperoxide analogues stimulate phospholipase C and protein phosphorylation during platelet shape change. Siess W, et al. **Blood** 1985 May; 65(5):1141–8

Evaluation of the fatty acid selectivity of a phosphatidylinositol-specific cytosolic phospholipase C from pig and human platelets. Holub BJ, et al. **Can J Biochem Cell Biol** 1984 Feb–Mar;62(2–3):115–20

Immunoreactive phospholipase A2 in serum in acute pancreatitis and pancreatic cancer. Nevalainen TJ, et al. **Clin Chem** 1985 Jul;31(7):1116–20

Fluorometric assay for phospholipase A2 in serum. Thuren T, et al. **Clin Chem** 1985 May;31(5):714–7

The role of phospholipase A2 in respiratory failure of acute pancreatitis. Schuppisser JP, et al. **Helv Chir Acta** 1985 Jan;51(6):665–7

A membrane-bound phospholipase C with an apparent specificity for lysophosphatidylinositol in porcine platelets. Murase S, et al. **J Biol Chem** 1985 Jan 10;260(1):262–5

Biochemical characterization of human eosinophil Charcot-Leyden crystal protein (lysophospholipase). Weller PF, et al. **J Biol Chem** 1984 Dec 25;259(24):15100–5

Elevated plasma phospholipase A2 levels: correlation with the hemodynamic and pulmonary changes in gram-negative septic shock. Vadas P. **J Lab Clin Med** 1984 Dec;104(6):873–81

Phosphatidylinositol-specific phospholipase C from bovine blood platelets. Inhibition by calmodulin-inhibitors--activation by ATP and ADP. Benedikter H, et al. **Z Naturforsch [C]** 1985 Jan–Feb; 40(1–2):68–72

[Acute pancreatitis. Risk predictors and the role of phospholipase A] Schuppisser JP. **Fortschr Med** 1985 Jul 4;103(25):673–4 (Eng. Abstr.) **(Ger)**

[Experimental studies on pathophysiology of acute pancreatitis, with special reference to pancreatic phospholipase A2 and the effect of CDP-choline] Kosaka A. **Nippon Geka Hokan** 1984 May 1;53(3):497–510 (Eng. Abstr.) **(Jpn)**

[Clearance of serum pancreatic enzymes by plasma exchange in acute pancreatitis] Yamauchi H. **Nippon Shokakibyo Gakkai Zasshi** 1984 Oct;81(10):2604 **(Jpn)**

GENETICS

The pro- and mature forms of the E. coli K-12 outer membrane phospholipase A are identical. de Geus P, et al. **EMBO J** 1984 Aug;3(8):1799–802

Characteristics of detergent-resistant phospholipase A overproduced in E. coli cells bearing its cloned structural gene. Homma H, et al. **J Biochem (Tokyo)** 1984 Dec; 96(6):1645–53

Isolation of two kinds of E. coli K-12 mutants for lysophospholipase L2: one with an elevated level of the enzyme and the other defective in it. Kobayashi T, et al. **J Biochem (Tokyo)** 1984 Jul;96(1):137–45

IMMUNOLOGY

Immunochemical relatedness between secretory phospholipase A2 and intracellular phospholipase A2. Okamoto M, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):788–94

The humoral immune response in the American cockroach, Periplaneta americana: reactivity to a defined antigen from honeybee venom, phospholipase A2. Rheins LA, et al. **Dev Comp Immunol** 1984 Fall;8(4):791–801

Isotypic and idiotypic characterization of anti-bee venom phospholipase A2 antibodies. Wetterwald A, et al. **Int Arch Allergy Appl Immunol** 1985;77(1–2):195–7

ISOLATION & PURIFICATION

Rapid purification of a phospholipase-free alpha-bungarotoxin: maintenance of cation barriers of acetylcholine receptor membranes upon preincubation with purified toxin. Ferragut JA, et al. **Arch Biochem Biophys** 1984 Dec;235(2):628–35

Purification and properties of phospholipase A2 from human seminal plasma. Wurl M, et al. **Biochim Biophys Acta** 1985 May 17;834(3):411–8

Isolation of two phospholipases A2 from Mojave rattlesnake (Crotalus scutulatus scutulatus) venom and variation of immunologically related venom proteins in different populations. Zepeda H, et al. **Comp Biochem Physiol [B]** 1985;81(2):319–24

Purification of porcine pancreatic phospholipase A2 using affinity chromatography. Khole V, et al. **Indian J Biochem Biophys** 1984 Aug;21(4):281–2

Rat pancreatic phospholipase A2: purification, characterization, and N-terminal amino acid sequence. Ono T, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):785–92

Purification and characterization of a lysophospholipase from human amnionic membranes. Jarvis AA, et al. **J Biol Chem** 1984 Dec 25;259(24):15188–95

Isolation and properties of two phospholipases A2 from the venom of an Australian elapid snake (Pseudechis australis). Nishida S, et al. **Toxicon** 1985;23(1):73–85

[Preparation of affinity sorbents for the isolation of phospholipase A2] Ostapenko OV, et al. **Bioorg Khim** 1984 Dec;10(12):1639–44 (Eng. Abstr.) **(Rus)**

[Properties of the phospholipases C from Bacillus cereus] Gerasimene GB, et al. **Prikl Biokhim Mikrobiol** 1985 Mar–Apr;21(2):184–9 (Eng. Abstr.) **(Rus)**

[Biospecific adsorption chromatography of phospholipase A2 from different sources] Rakhimov MM, et al. **Prikl Biokhim Mikrobiol** 1985 Mar–Apr;21(2):190–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Enhancement of human amniotic phospholipase A2 activity by steroid-sulphate derived from the foeto-placental unit. Saitoh H, et al. **Acta Endocrinol (Copenh)** 1984 Nov; 107(3):420–4

The phospholipase C diglyceride lipase pathway contributes to arachidonic acid release and prostaglandin E2 formation in platelet-derived growth factor stimulated Swiss 3T3 cells. Habenicht AJ, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1985; 13:37–9

Comparative study of etidronate and SR 41319, a new diphosphonate, on passive cutaneous anaphylaxis and phospholipase A2 activity. Barbier A, et al. **Agents Actions** 1985 Mar;16(1–2):41–2

Intracellular pH in human fibroblasts: effect of mitogens, A23187, and phospholipase activation. Muldoon LL, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):C140–8

Intestinal phospholipase B activity in pigs inoculated with transmissible gastroenteritis virus. Goven AJ, et al. **Am J Vet Res** 1985 Jul;46(7):1503–5

Microcomputer interface for computer-controlled enzyme kinetic studies with the monolayer technique. Donne-Op den Kelder GM, et al. **Anal Biochem** 1984 Oct; 142(1):126–33

Biochemical and genetic studies of iron-regulated (exotoxin A) and phosphate-regulated (hemolysin phospholipase C) virulence factors of Pseudomonas aeruginosa. Vasil ML, et al. **Antibiot Chemother** 1985;36:23–39

Regulatory aspects of rat liver mitochondrial phospholipase

A2: effects of calcium ions and calmodulin. De Winter JM, et al. **Arch Biochem Biophys** 1984 Oct;234(1):243-52

Calcium-dependent binding of calmodulin to phospholipase A2 subunits induces enzymatic activation. Moskowitz N, et al. **Arch Biochem Biophys** 1985 Sep;241(2):413-7

Phospholipase activities of the P388D1 macrophage-like cell line. Ross MI, et al. **Arch Biochem Biophys** 1985 Apr; 238(1):247-58

The possible role of phospholipase A2 in cardiac membrane destabilization under calcium overload conditions. Saxon ME, et al. **Basic Res Cardiol** 1984 Nov-Dec;79(6):668-78

Ca overload and the action of calcium sensitive proteases, phospholipases and prostaglandin E2 in myocardial cell degradation. Toyo-oka T, et al. **Basic Res Cardiol** 1985 May-Jun;80(3):303-15

Deoxycholate induces the preferential hydrolysis of polyphosphoinositides by human platelet and rat corneal phospholipase C. Chung SM, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):411-6

Long-chain unsaturated diacylglycerols cause a perturbation in the structure of phospholipid bilayers rendering them susceptible to phospholipase attack. Dawson RM, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):836-42

Synaptosomal phospholipase D: potential role in providing choline for acetylcholine synthesis. Hattori H, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):945-9

The role of lysyl residues of phospholipases A2 in the formation of the catalytic complex. Maraganore JM, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):129-38

Different susceptibility of alkylacyl--versus diacyl--and alkenylacyl--phosphatidylcholine subclasses to stimulation of biosynthesis by phospholipase C. Terce F, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):413-9

Electrophoretic characterization of hepatic alkaline phosphatase released by phosphatidylinositol-specific phospholipase C. A comparison with liver membrane and serum-soluble forms. Kominami T, et al. **Biochem J** 1985 Apr 1;227(1):183-9

Activation of phospholipase C and prostaglandin synthesis by [arginine]vasopressin in cultures. Pfeilschifter J, et al. **Biochem J** 1984 Nov 1;223(3):855-9

Binding of phospholipase A2 to isolated heart muscle. Soons KR, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3914-7

Side-chain dynamics of two aromatic amino acids in pancreatic phospholipase A2 as studied by deuterium nuclear magnetic resonance. Allegrini PR, et al. **Biochemistry** 1985 Jun 18;24(13):3268-73

Methyl branching in short-chain lecithins: are both chains important for effective phospholipase A2 activity? DeBose CD, et al. **Biochemistry** 1985 Mar 12;24(6):1298-306

Calcium ion binding to pancreatic phospholipase A2 and its zymogen: a 43Ca NMR study. Drakenberg T, et al. **Biochemistry** 1984 May 22;23(11):2387-92

Phospholipids chiral at phosphorus. Use of chiral thiophosphatidylcholine to study the metal-binding properties of bee venom phospholipase A2. Tsai TC, et al. **Biochemistry** 1985 Jun 18;24(13):3180-8

Catalytic Ca2+-binding site of pancreatic phospholipase A2: laser-induced Eu3+ luminescence study. van Scharrenburg GJ, et al. **Biochemistry** 1985 Jan 15; 24(2):334-9

Structural importance of the amino-terminal residue of pancreatic phospholipase A2. van Scharrenburg GJ, et al. **Biochemistry** 1984 Dec 4;23(25):6285-94

Regulation of phospholipid synthesis by intracellular phospholipases in fetal rabbit type II pneumocytes. Aeberhard EE, et al. **Biochim Biophys Acta** 1985 Mar 6; 833(3):473-83

Loss of stereospecificity of phospholipases C and D upon introduction of a 2-alkyl group into rac-1,2-diacylglycero-3-phosphocholine. Bugaut M, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):304-14

Activation of bee venom phospholipase A2 by oleoyl imidazolide produces a thiol- and proteinase-resistant conformation. Camero Diaz RE, et al. **Biochim Biophys Acta** 1985 Jul 18;830(1):52-8

Specific stimulation of phospholipase activities with phosphatidylethanolamine in transformed cells. Edgar AD, et al. **Biochim Biophys Acta** 1984 Dec 6;796(3):238-42

Lipoprotein lipase- and phospholipase A2-catalyzed hydrolysis of phospholipid vesicles with an encapsulated fluorescent dye. Effects of apolipoproteins. Fugman DA, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):191-5

Phospholipase A activities in embryonic palate mesenchyme cells in vitro. George M, et al. **Biochim Biophys Acta** 1985 Aug 22;836(1):45-55

Action of phospholipase A2 on bilayers. Effect of inhibitors. Jain MK, et al. **Biochim Biophys Acta** 1985 Apr 11; 814(2):319-26

The environment of tryptophan in pig pancreatic phospholipase A2 bound to bilayers. Jain MK, et al. **Biochim Biophys Acta** 1985 Mar 28;814(1):135-40

Action of phospholipase A2 on bilayers. Effect of fatty acid and lysophospholipid additives on the kinetic parameters. Jain MK, et al. **Biochim Biophys Acta** 1985 Apr 11; 814(2):313-8

Bradykinin stimulates phospholipase C in rat renal medullary slices. Speziale N, et al. **Biochim Biophys Acta** 1985 Aug 22;836(1):14-8

Characterization and activity of phospholipase A2 in normal human epidermis and in lesion-free epidermis of patients with psoriasis or eczema. Forster S, et al. **Br J Dermatol** 1985 Feb;112(2):135-47

Crotoxin. I. Immunology and interaction of the subunits. Nakazone AK, et al. **Braz J Med Biol Res** 1984; 17(2):119-28

Cone-shaped lipids increase the susceptibility of phospholipids in bilayers to the action of phospholipases. Buckley JT. **Can J Biochem Cell Biol** 1985 Apr;63(4):263-7

Deacylation of endogenously deuterated rat liver microsomal phospholipids by endogenous phospholipases. Pind S, et al. **Can J Biochem Cell Biol** 1985 Feb;63(2):137-44

The hydrolysis of phosphatidylcholine by phospholipase A2 in hamster heart. Tam SW, et al. **Can J Biochem Cell Biol** 1984 Dec;62(12):1269-74

Effect of alkylation of tryptophan residues on the enzymatic and pharmacological properties of snake venom phospholipase A2. Condrea E, et al. **Can J Physiol Pharmacol** 1985 Apr;63(4):331-9

New assay for the O-alkyl cleavage enzyme with alkyl-lysophospholipids as substrates. Unger C, et al. **Cancer Res** 1985 Feb;45(2):616-8

Release of alkaline phosphodiesterase I from rat kidney plasma membrane produced by the phosphatidylinositol-specific phospholipase C of Bacillus thuringiensis. Nakabayashi T, et al. **Cell Struct Funct** 1984 Sep;9(3):247-63

Phospholipases, eicosanoid production and inflammation. Famaey JP. **Clin Rheumatol** 1982 Jun;1(2):84-94 (92 ref.)

Regional distribution of lipids and phospholipase A2 activity in normal and cataractous rat lens. Cenedella RJ. **Curr Eye Res** 1985 Feb;4(2):113-20

Arachidonic acid, 12- and 15-hydroxyeicosatetraenoic acids, eicosapentaenoic acid, and phospholipase A2 induce starfish oocyte maturation. Meijer L, et al. **Dev Biol** 1984 Dec;106(2):368-78

Colicin E2 release: lysis, leakage or secretion? Possible role of a phospholipase. Pugsley AP, et al. **EMBO J** 1984 Oct; 3(10):2393-7

Possible role of phospholipase A2 action and arachidonic acid metabolism in angiotensin II-mediated aldosterone secretion. Kojima I, et al. **Endocrinology** 1985 Sep; 117(3):1057-66

Macrophage Fc gamma 2b receptor expression and receptor-mediated phospholipase activity: regulation by endogenous eicosanoids. Rhodes J, et al. **Eur J Immunol** 1985 Mar;15(3):222-7

Pertussis toxin inhibits chemotactic factor-induced phospholipase C stimulation and lysosomal enzyme secretion in rabbit neutrophils. Bradford PG, et al. **FEBS Lett** 1985 Apr 22;183(2):317-20

Platelet-activating factor stimulates phospholipase in quiescent Swiss mouse 3T3 fibroblast. Kawaguchi H, et al. **FEBS Lett** 1984 Oct 15;176(1):93-6

Investigation of phospholipase-lipid interactions by optical detection of triplet state magnetic resonance spectroscopy. Mao SY, et al. **FEBS Lett** 1985 Jun 3;185(1):71-5

Inhibitory effect of gabexate mesilate on pancreatic phospholipase A2-mediated hydrolysis of ghost membranes. Nishijima J, et al. **Gen Pharmacol** 1985; 16(3):177-82

Effect of central Asian cobra (Naja naja oxiana Eichwald) venom cytotoxin on enzymatic hydrolysis of phospholipids. Khole V, et al. **Indian J Biochem Biophys** 1984 Apr; 21(2):146-7

Phospholipase A2 modulation of cyclic GMP metabolism: activation of guanylate cyclase. Mittal CK. **Indian J Biochem Biophys** 1984 Feb;21(1):44-6

Methyltransferase and phospholipase A2 activity in membranes of neutrophils and lymphocytes from patients with bacterial and viral infections. Niwa Y, et al. **Inflammation** 1985 Mar;9(1):53-65

Pharmacologic modulation of the IgE or Ca2+ ionophore A23187 mediated Ca2+ influx, phospholipase activation, and histamine release in rat basophilic leukemia cells. Urata C, et al. **Int Arch Allergy Appl Immunol** 1985;78(1):92-100

The influence of level of infection of rats with Nippostrongylus brasiliensis on the haematology and phospholipase activity and mast cell numbers in the small intestine and colon. Cheema KJ, et al. **Int J Parasitol** 1985 Feb;15(1):55-60

Tissue eosinophil numbers and phospholipase B activity in mice infected with Trichinella spiralis. Wilkes SD, et al. **Int J Parasitol** 1984 Oct;14(5):479-82

The effect of some antibiotics on endogenous phospholipase activity in rat liver. Matsumoto J, et al. **J Antibiot (Tokyo)** 1984 Aug;37(8):910-6

Real-time fluorescence polarization measurements: interaction of phospholipase A2 with a fluorescent lecithin derivative. Monti JA, et al. **J Biochem Biophys Methods** 1985 May;11(1):45-57

Intracellular phospholipase activities of Tetrahymena pyriformis. Arai H, et al. **J Biochem (Tokyo)** 1985 Jun; 97(6):1525-32

pH dependence of the binding constant of a phospholipase A2 from Agkistrodon halys blomhoffii venom to micelles of n-hexadecylphosphorylcholine. Ikeda K, et al. **J Biochem (Tokyo)** 1984 Nov;96(5):1427-36

Interaction of Trimeresurus flavoviridis phospholipase A2 and its fragment with calcium ion. Ohno M, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1183-91

Acetylcholinesterase release from mammalian erythrocytes by phosphatidylinositol-specific phospholipase C of Bacillus thuringiensis and characterization of the released enzyme. Taguchi R, et al. **J Biochem (Tokyo)** 1984 Aug; 96(2):437-46

Bindings of Ca2+ and substrate analogs to a cobra venom phospholipase A2 in which the alpha-amino group is modified to an alpha-keto group. Teshima K, et al. **J Biochem (Tokyo)** 1984 Dec;96(6):1903-13

Lipoxygenase products of arachidonic acid modulate biosynthesis of platelet-activating factor (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) by human neutrophils via phospholipase A2. Billah MM, et al. **J Biol Chem** 1985 Jun 10;260(11):6899-906

Phosphatidylinositol-specific phospholipase C activity of chromaffin granule-binding proteins. Creutz CE, et al. **J Biol Chem** 1985 Jun 25;260(12):7171-3

Secretogogue-stimulated phosphatidylinositol breakdown in the exocrine pancreas liberates arachidonic acid, stearic acid, and glycerol by sequential actions of phospholipase C and diglyceride lipase. Dixon JF, et al. **J Biol Chem** 1984 Dec 10;259(23):14418-25

The role of intramembrane Ca2+ in the hydrolysis of the phospholipids of Escherichia coli by Ca2+-dependent phospholipases. Elsbach P, et al. **J Biol Chem** 1985 Feb 10;260(3):1618-22

Phospholipase A2 sensitivity of uterine smooth muscle membrane phospholipids and adenylate cyclase activity. Effect of temperature on the action of phospholipase present in excess. Krall JF, et al. **J Biol Chem** 1985 Aug 15;260(17):9685-91

Activation, aggregation, and product inhibition of cobra venom phospholipase A2 and comparison with other phospholipases. Plückthun A, et al. **J Biol Chem** 1985 Sep 15;260(20):11099-106

Guanosine 5'-O-thiotriphosphate stimulates phospholipase C activity in plasma membranes of rat hepatocytes. Wallace MA, et al. **J Biol Chem** 1985 Aug 15;260(17):9527-30

Hydrolysis of polyphosphoinositides by purified sheep seminal vesicle phospholipase C enzymes. Wilson DB, et al. **J Biol Chem** 1984 Oct 10;259(19):11718-24

Identification of neutral active phospholipase C which hydrolyzes choline glycerophospholipids and plasmalogen selective phospholipase A2 in canine myocardium. Wolf RA, et al. **J Biol Chem** 1985 Jun 25;260(12):7295-303

Stimulation of phospholipase A2 activity by oxygen-derived free radicals in isolated brain capillaries. Au AM, et al. **J Cell Biochem** 1985;27(4):449-53

A comparison of phospholipase activity, cellular adherence and pathogenicity of yeasts. Barrett-Bee K, et al. **J Gen Microbiol** 1985 May;131 (Pt 5):1217-21

Modulation of the biologic activities of IgE-binding factors. VII. Biochemical mechanisms by which glycosylation-enhancing factor activates phospholipase in lymphocytes. Akasaki M, et al. **J Immunol** 1985 Jun; 134(6):4069-77

Phospholipase A enzymes of Entamoeba histolytica: description and subcellular localization. Long-Krug SA, et al. **J Infect Dis** 1985 Sep;152(3):536-41

Effect of antagonists of calcium and phospholipase A on the cytopathogenicity of Entamoeba histolytica. Ravdin JI, et al. **J Infect Dis** 1985 Sep;152(3):542-9

Phospholipase A2 activity of Fc gamma 2b receptors of thioglycollate-elicited murine peritoneal macrophages. Nitta T, et al. **J Leukocyte Biol** 1984 Oct;36(4):493-504

Phospholipase A activity of extracellular products from Bacteroides melaninogenicus on epithelium tissue cultures. Bulkacz J, et al. **J Periodont Res** 1985 Mar;20(2):146-53

Benzodiazepines enhance the muscimol-dependent activation of phospholipase A2 in glioma C6 cells. Majewska MD, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):650-5

Phospholipase A2 activity in sera and synovial fluids in rheumatoid arthritis and osteoarthritis. Its possible role as a proinflammatory enzyme. Pruzanski W, et al. **J Rheumatol** 1985 Apr;12(2):211-6

Specificity and structural relationships of steroids which affect phospholipase/prostaglandin synthetase, in vivo: a possible relation to blood pressure. Fretland DJ, et al. **J Steroid Biochem** 1985 Mar;22(3):305-10

Hydrolytic activities of human pancreatic phospholipase A2 and endotoxin-stimulated endogenous phospholipase A2 toward membrane phospholipids of erythrocytes. Nishijima J, et al. **J Surg Res** 1985 Mar;38(3):237-45

Phospholipase activity and plasma membrane homeostasis. Scott JA. **J Theor Biol** 1984 Dec 21;111(4):659-65

The biochemical and behavioral effects of phospholipase A2 and morphine microinjections in the periaqueductal gray of the rat. Reichman M, et al. **Life Sci** 1985 Feb 11; 36(6):515-23

Characterization of extracellular phospholipase A2 in rheumatoid synovial fluid. Vadas P, et al. **Life Sci** 1985 Feb 11;36(6):579-87

Enhanced phospholipase A2 activity in rat plasma, liver, and intestinal mucosa following endotoxin treatment: a possible explanation for the protective effect of indomethacin in endotoxic shock. Shakir KM, et al. **Metabolism** 1985 Feb; 34(2):176-82

Phospholipases of Leptospira. I. Presence of phospholipase A1 and lysophospholipase in Leptospira biflexa. Yanagihara Y, et al. **Microbiol Immunol** 1984;28(7):747-56

Aortic recognition sites for serotonin (5HT) are coupled to phospholipase C and modulate phosphatidylinositol turnover. Roth BL, et al. **Neuropharmacology** 1984 Oct; 23(10):1223-5

Time-dependent conversion of alpha 1- to beta-adrenoceptor-mediated glycogenolysis in isolated rat liver cells: role of membrane phospholipase A2. Kunos G, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6178-82

Essential role of phospholipase A2 activity in endothelial cell-induced modification of low density lipoprotein. Parthasarathy S, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):3000-4

Inositol cyclic phosphates are produced by cleavage of phosphatidylphosphoinositols (polyphosphoinositides) with purified sheep seminal vesicle phospholipase C enzymes. Wilson DB, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4013-7

Phospholipase-A1 and -A2 in experimental acute pancreatitis in rats. Hölbling N, et al. **Res Exp Med (Berl)** 1985;185(2):131-7

Studies of the phospholipase A2 activity of rat ileal mucosa. Tagesson C, et al. **Scand J Gastroenterol** 1985 Jan;20(1):25-30

Effects of dexamethasone on phospholipase activities in palate mesenchyme cells in vitro. Chepenik KP, et al. **Teratology** 1985 Aug;32(1):119-23

Physiological actions of phosphatidylinositol-specific phospholipase C from Bacillus thuringiensis on KB III cells: alkaline phosphatase release and growth inhibition. Ikezawa H, et al. **Toxicon** 1985;23(1):145-55

Acyl chain specificity and kinetic properties of phospholipase A1 and A2 of bone marrow-derived macrophages. Flesch I, et al. **Z Naturforsch** [C] 1985 May-Jun;40(5-6):356-63

[Eicosanoids and phospholipases] Goerig M, et al. **Klin Wochenschr** 1985 Apr 1;63(7):293-311 (329 ref.) (Eng. Abstr.) **(Ger)**

[Phospholipase activity of the membrane fraction of phagocytes in relation to its antibacterial property] Kondo E, et al. **Kekkaku** 1984 Jun;59(6):395-402 (Eng. Abstr.) **(Jpn)**

[The activities of phospholipase A, PI-specific phospholipase C, lipase, lysophospholipase and acylCoA: lysophospholipid acyltransferase in ischemic brain microsomal fraction] Hirashima Y, et al. **No To Shinkei** 1985 Apr;37(4):385-91 (Eng. Abstr.) **(Jpn)**

[Changes in the physico-chemical properties of synaptosomal membranes induced by phospholipase A2.] Erin AN, et al. **Biokhimiia** 1985 Mar;50(3):507-13 (Eng. Abstr.) **(Rus)**

[Enzymatic regulation of lipid peroxidation in biomembranes: the role of phospholipase A2 and glutathione-S-transferase] Lankin VZ, et al. **Dokl Akad Nauk SSSR** 1985 Mar-Apr;281(1):204-7 **(Rus)**

[Phospholipases of the nuclear structures of liver cells in white rats] Nikitin VN, et al. **Dokl Akad Nauk SSSR** 1985;281(3):731-4 **(Rus)**

[Dry nutrient medium for determining the lecithinase activity of Bacillus cereus] Dzhalilova RS, et al. **Lab Delo** 1985;(2):117-9 (Eng. Abstr.) **(Rus)**

[Inhibition of phospholipase activity in liver mitochondria of gamma-irradiated rats] Gogvadze VG, et al. **Radiobiologiia** 1985 Jul-Aug;25(4):551-3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Phospholipase D increases cell surface Ca2+ binding and positive inotropy in rat heart. Burt JM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 2):H880-5

Inhibition of dimethylsulfoxide-induced differentiation in Friend erythroleukemic cells by diacylglycerols and phospholipase C. Pincus SM, et al. **Biochem Biophys Res Commun** 1984 Dec 14;125(2):491-9

Effect of antituberculous calixarenes on phospholipase A2 susceptibility and on fusion of phospholipid bilayers. Jain MK, et al. **Biochem J** 1985 May 1;227(3):789-94

Calcium binding to cardiac myocytes protected from proteolytic enzyme activity. Bailey LE, et al. **Biochim Biophys Acta** 1985 Apr 17;839(2):199-208

Unmasking of insulin receptors in rat submaxillary gland microsomes: effect of high ionic strength, phospholipase C and S-adenosyl-L-methionine. Turyn D, et al. **Biochim Biophys Acta** 1985 Jun 30;845(3):333-42

Phospholipase D produces increased contractile force in rabbit ventricular muscle. Langer GA, et al. **Circ Res** 1985 Jan;56(1):146-9

Effect of exogenous phospholipase A2 on insulin secretion from perifused rat islets. Zawalich W, et al. **Diabetes** 1985 May;34(5):471-6

Effect of phorbol ester and phospholipase C on LH-stimulated steroidogenesis in purified rat Leydig cells. Papadopoulos V, et al. **FEBS Lett** 1985 Sep 2;188(2):312-6

Prolactin-like actions of phospholipase C on RNA and casein synthesis in mouse mammary gland explants. Rillema JA. **Horm Metab Res** 1984 Oct;16(10):532-4

Regulation of interleukin 2 receptor expression: effects of phorbol diester, phospholipase C, and reexposure to lectin or antigen. Depper JM, et al. **J Immunol** 1984 Dec;133(6):3054-61

Ca2+- and H+-dependent effects of crude bacterial phospholipase C on the hydroosmotic response of toad urinary bladder to serosal hypertonicity. Hardy MA. **Pflugers Arch** 1984 Oct;402(2):171-5

Calcium-dependent atrial slow action potentials generated with phosphatidic acid or phospholipase D. Knabb MT, et al. **Pflugers Arch** 1984 Aug;401(4):435-7

Decreased fertility resulting from treatment of fowl spermatozoa with neuraminidase or phospholipase c. Froman DP, et al. **Poult Sci** 1984 Dec;63(12):2479-82

Effect of carboxylate group modification on enzymatic and cardiotoxic properties of snake venom phospholipases A2. Barrington PL, et al. **Toxicon** 1984;22(5):743-58

Presynaptic and musculotropic effects of a basic phospholipase A2 from the Formosan habu (Trimeresurus mucrosquamatus) venom. Ho CL, et al. **Toxicon** 1984;22(5):813-6

Effect of the purified phospholipases A2 from snake and bee venoms on rabbit platelet function. Ouyang C, et al. **Toxicon** 1984;22(5):705-18

[Changes in the membrane surface charge and the potentiation of phospholipase A2 as affected by the cytotoxin from the venom of the Central Asian cobra] Krasil'nikov OV, et al. **Biol Nauki** 1985;(3):24-7 (Eng. Abstr.) **(Rus)**

[alpha-Tocopherol--a possible stabilizer of synaptosome membranes against the damaging action of phospholipase A2] Erin AN, et al. **Dokl Akad Nauk SSSR** 1985;281(2):447-50 **(Rus)**

[Action of phospholipases on calcium transport into synaptosomes: phosphatidic acid--Ca ionophore] Selishcheva AA, et al. **Dokl Akad Nauk SSSR** 1985 Mar-Apr;281(1):223-5 **(Rus)**

PHYSIOLOGY

Depletion of membrane phospholipid and mitochondrial dysfunction associated with coronary reperfusion. Hattori M, et al. **Basic Res Cardiol** 1985 May-Jun;80(3):241-50

Independence with respect to Ca2+ changes of the neutrophil respiratory and secretory response to exogenous phospholipase C and possible involvement of diacylglycerol and protein kinase C. Grzeskowiak M, et al. **Biochim Biophys Acta** 1985 Jan 18;844(1):81-90

Ectoenzyme release from rat liver and kidney by phosphatidylinositol-specific phospholipase C. Taguchi R, et al. **J Biochem (Tokyo)** 1985 Mar;97(3):911-21

Phasic and tonic components in 5-HT2 receptor-mediated rat aorta contraction: participation of Ca++ channels and phospholipase C. Nakaki T, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):442-6

Leukotriene D4 and phospholipase A2 release thromboxane A2 of different origin in the guinea pig lung parenchymal strip. Zijlstra FJ, et al. **Prostaglandins Leukotrienes Med** 1985 Mar;17(3):337-8

[Molecular functions of phospholipases A2] Ohno M, et al. **Seikagaku** 1985 Jan;57(1):47-54 (71 ref.) **(Jpn)**

SECRETION

Secreted phospholipases of the dimorphic fungus, Candida albicans; separation of three enzymes and some biological properties. Banno Y, et al. **Sabouraudia** 1985 Feb;23(1):47-54

TOXICITY

Rapid induction of cirrhosis by administration of carbon tetrachloride plus phospholipase D. Ozeki T, et al. **Br J Exp Pathol** 1985 Aug;66(4):385-90

PHOSPHOLIPASES A see under **PHOSPHOLIPASES**

PHOSPHOLIPIDS

The use of phospholipid-impregnated millipore filters for recording nonelectrogenic cation flows in the presence of Men+/nH+ exchangers. Antonenko YN, et al. **Anal Biochem** 1984 Aug 1;140(2):468-71

Preparation and characterization of polymerized liposomes. O'Brien DF, et al. **Ann NY Acad Sci** 1985;446:282-95

Lipid polymorphism: the molecular basis of nonbilayer phases. Gruner SM, et al. **Annu Rev Biophys Biophys Chem** 1985;14:211-38 (91 ref.)

Raman study of effect of phospholipid chain unsaturation on bilayer phase transitions. Chen NR, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):220-5

Trypanosoma cruzi: aminoacid and phosphorus linkages in the lipopeptidophosphoglycan. de Lederkremer RM, et al. **Biochem Int** 1985 Jan;10(1):89-96

Interaction of streptomycin and streptomycylamine derivatives with negatively charged lipid layers. Correlation between binding, conformation of complexes and inhibition of lysosomal phospholipase activities. Brasseur R, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1035-47

Effect of bovine basic protein charge microheterogeneity on protein-induced aggregation of unilamellar vesicles containing a mixture of acidic and neutral phospholipids. Cheifetz S, et al. **Biochemistry** 1985 Apr 9;24(8):1909-14

Radioiodination of naturally occurring phospholipids. Antonov PA, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):408-10

Polymorphic phase behaviour of phospholipid membranes studied by infrared spectroscopy. Casal HL, et al. **Biochim Biophys Acta** 1984 Dec 4;779(4):381-401 (136 ref.)

Stopped-flow rapid kinetics of anesthetic-induced phase transition in phospholipid vesicle membranes: nonlocalized fluctuation. Inoue T, et al. **Biochim Biophys Acta** 1985 Aug 27;818(2):117-22

Geometric and thermodynamic restrictions for the self-assembly of glycosphingolipid-phospholipid systems. Maggio B. **Biochim Biophys Acta** 1985 May 14;815(2):245-58

Laser light-scattering characterization of mitochondrial complex III-Triton X-100-phospholipid mixed micelles. Valpuesta JM, et al. **Biochim Biophys Acta** 1985 Apr 3;807(1):96-9

Lanosterol and cholesterol have different effects on phospholipid acyl chain ordering. Yeagle PL. **Biochim Biophys Acta** 1985 Apr 26;815(1):33-6

Sodium-induced aggregation of phosphatidic acid and mixed phospholipid vesicles. Yoshimura T, et al. **Biochim Biophys Acta** 1985 Mar 14;813(2):167-73

Phospholipid surface bilayers at the air-water interface. I. Thermodynamic properties. Tajima K, et al. **Biophys J** 1985 Feb;47(2 Pt 1):203-9

Supported phospholipid bilayers. Tamm LK, et al. **Biophys J** 1985 Jan;47(1):105-13

Effect of phase transitions on the interaction of peptides and proteins with phospholipids. Epand RM, et al. **Can J Biochem Cell Biol** 1984 Nov;62(11):1167-73

Interfacial properties of hydrophilic surfaces of phospholipid films as determined by the method of contact angles. Comparison with cell surfaces. Steiner U, et al. **Cell Biophys** 1984 Dec;6(4):279-99

Modulatory effects of different temperatures and Ca2+ concentrations on gangliosides and phospholipids in monolayers at air/water interfaces and their possible functional role. Probst W, et al. **Cell Mol Neurobiol** 1984 Jun;4(2):157-76

Steady-state and time-resolved fluorescence anisotropy study of phospholipid molecular motion in the gel phase using 1-palmitoyl-2-[9-(2-anthryl)-nonanoyl]-sn-glycero-3-phosphocholine as probe. Vincent M, et al. **Eur J Biochem** 1985 Jul 15;150(2):341-7

Structural changes of liposome phospholipid packing induced by cytotoxin of the Central Asia cobra venom. Aripov TF, et al. **Gen Physiol Biophys** 1984 Dec;3(6):489-96

Fluorescence studies of the binding of amphiphilic amines with phospholipids. Ma JY, et al. **J Lipid Res** 1985 Jun;26(6):735-44

Alterations in phospholipid polymorphism by polyethylene glycol. Boni LT, et al. **J Membr Biol** 1984;80(1):91-104

Effect of micellar lipids on rabbit intestinal brush-border membrane phospholipid bilayer integrity studied by 31P NMR. Vallet-Strouve C, et al. **J Membr Biol** 1985;84(1):73-9

Theory of the intermediate rippled phase of phospholipid bilayers. Marder M, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6559-61

[The effect of phospholipid metabolites on the structure of model membranes] Sorokoumova GM, et al. **Bioorg Khim** 1983 Aug;9(8):1106-11 (Eng. Abstr.) **(Rus)**

[DNA-phospholipid interaction. 31P-NMR study] Viktorov AV, et al. **Bioorg Khim** 1984 Jul;10(7):935-9 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Treatment of intravenously implanted Lewis lung carcinoma with liposome-encapsulated cytosine arabinoside and non-specific immunotherapy. Patel KR, et al. **Int J Cancer** 1984 Sep 15;34(3):415-20

ANALYSIS

Specificities in the phospholipid and fatty acid composition of the stable protoplast type L-form of Escherichia coli B. Gumpert J, et al. **Acta Microbiol Bulg** 1984;15:17-23

Lipids in the structure and function of yeast membrane. Prasad R. **Adv Lipid Res** 1985;21:187-242 (451 ref.)

Comparison of the phospholipid composition of breast milk from mothers of term and preterm infants during lactation. Bitman J, et al. **Am J Clin Nutr** 1984 Nov;40(5):1103-19

Total phospholipid analysis in human milk without acid digestion. Hundrieser KE, et al. **Am J Clin Nutr** 1985 May;41(5):988-93

Phospholipid analyses in amniotic fluid contaminated by seminal ejaculate [letter] Sheriff DS. **Am J Obstet Gynecol** 1985 May 1;152(1):112

Phospholipids in tracheal effluent from infants with severe respiratory distress syndrome. Bose CL, et al. **Am J Perinatol** 1984 Apr;1(3):208-13

Changes in fatty acid composition of the cardiac phospholipids of the cotton-eared marmoset (Callithrix jacchus) after feeding different lipid supplements. Charnock JS, et al. **Ann Nutr Metab** 1985;29(2):83-94

Temperature-dependent lipid content and fatty acid composition of three thermophilic bacteria. Aerts JM, et al. **Antonie Van Leeuwenhoek** 1985;51(2):155-65

Phospholipid asymmetry in the isolated sarcoplasmic reticulum membrane. Herbette L, et al. **Arch Biochem Biophys** 1984 Oct;234(1):235-42

Demonstration of surfactant phospholipids in frozen sections of the lung. Chieco P, et al. **Basic Appl Histochem** 1985;29(2):149-60

Membrane phospholipid asymmetry and the adherence of loaded red blood cells. Schlegel RA, et al. **Bibl Haematol** 1985;(51):150-6

The binding of the radioprotective agent cysteamine with the phospholipidic membrane headgroup-interface region. Berleur F, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3071-80

Distinctive responses of heart muscle and non-muscle cells to oxygen and glucose deprivation as regards phospholipid fatty acids. Freyss-Beguin M, et al. **Biochem Pharmacol** 1985 Jul 15;34(14):2560-3

Changes in the cholesterol level, cholesterol-to-phospholipid mole ratio, and membrane lipid microviscosity in rat brain induced by age and a plant oil mixture. Kessler AR, et al. **Biochem Pharmacol** 1985 Apr 1;34(7):1120-1

Effects of starvation and different culture conditions on the phospholipid content of isolated pancreatic islets. Hallberg A. **Biochim Biophys Acta** 1984 Dec 6;796(3):328-35

Phospholipid aliphatic chain composition modulates lipid class composition, but not lipid asymmetry in Clostridium butyricum. Johnston NC, et al. **Biochim Biophys Acta** 1985 Feb 28;813(1):10-8

Evidence for a highly asymmetric arrangement of ether- and diacyl-phospholipid subclasses in the plasma membrane of Krebs II ascites cells. Record M, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):449-56

Fatty acids and phospholipids of membranes isolated from Escherichia coli growing in a medium with parathion. Rosas SB, et al. **Bull Environ Contam Toxicol** 1985 Feb; 34(2):265-70

Fatty acyl chain structure, orientational order, and the lipid phase transition in Acholeplasma laidlawii B membranes. A review of recent 19F nuclear magnetic resonance studies. Macdonald PM, et al. **Can J Biochem Cell Biol** 1984 Nov; 62(11):1134-50

Effects of streptozotocin-induced diabetes and insulin on phospholipid content of R3230AC mammary tumor cells. Narayanan U, et al. **Cancer Res** 1985 Oct;45(10):4833-7

Phospholipids in plant and animal chromatin. Viola-Magni MP, et al. **Cell Biochem Funct** 1985 Jan;3(1):71-8

Scintillation counting of radioactive phospholipids: influence of counting solutions. Engle MJ, et al. **Clin Chim Acta** 1985 Feb 15;145(3):337-40

Rapid quantitative analysis of phospholipids in biological fluids after thin-layer chromatography. Vaysse J, et al. **Clin Chim Acta** 1985 Apr 15;147(2):183-90

Plasma membrane phospholipid organization in human erythrocytes. Schwartz RS, et al. **Curr Top Hematol** 1985; 5:63-112 (162 ref.)

Structural studies on the oligosaccharide moiety of the lipopeptidophosphoglycan from Trypanosoma cruzi. de Lederkremer RM, et al. **Eur J Biochem** 1985 Sep 16; 151(3):539-42

Phospholipids of Golgi subfractions determined with an enzymatic method. Casu A, et al. **Exp Pathol** 1984; 26(2):107-11

The phospholipid organisation in the membranes of McLeod and Leach phenotype erythrocytes. Kuypers FA, et al. **FEBS Lett** 1985 May 6;184(1):20-4

Lipoprotein and phospholipid distribution in human follicular fluids. Perret BP, et al. **Fertil Steril** 1985 Mar;43(3):405-9

Growth characteristics, morphology, and phospholipid composition of human type II pulmonary alveolar cells grown in a collagen-free microenvironment. Milo GE, et al. **In Vitro** 1984 Dec;20(12):899-911

Interaction of some polyhexamethylene biguanides and membrane phospholipids in Escherichia coli. Broxton P, et al. **J Appl Bacteriol** 1984 Aug;57(1):115-24

Surfactants identified in lung lymph and their ability to act as abhesives. Hills BA, et al. **J Appl Physiol** 1985 Feb; 58(2):514-20

Phospholipids and lipopolysaccharide of Aeromonas hydrophila. Howard SP, et al. **J Bacteriol** 1985 Jan; 161(1):463-5

Effects of temperature and sodium chloride concentration on the phospholipid and fatty acid compositions of a halotolerant Planococcus sp. Miller KJ. **J Bacteriol** 1985 Apr;162(1):263-70

Cell wall and phospholipid composition and their contribution to the salt tolerance of Halomonas elongata. Vreeland RH, et al. **J Bacteriol** 1984 Dec;160(3):879-83

An alkyl imidate labeling study of the organization of phospholipids and proteins in the lipid-containing bacteriophage PR4. Davis TN, et al. **J Biol Chem** 1985 Jan 10;260(1):663-71

Detection of phospholipid phase separation. A multifrequency phase fluorimetry study of 1,6-diphenyl-1,3,5-hexatriene fluorescence. Parasassi T, et al. **J Biol Chem** 1984 Nov 25;259(22):14011-7

Isolation and reconstitution of the iron-sulfur protein in ubiquinol-cytochrome c oxidoreductase complex. Phospholipids are essential for the integration of the iron-sulfur protein in the complex. Shimomura Y, et al. **J Biol Chem** 1984 Nov 25;259(22):14059-63

Estimation of amniotic fluid phospholipids by high-performance liquid chromatography. Andrews AG. **J Chromatogr** 1984 Dec 7;336(1):139-50

Novel quantitative method for determination of molecular species of phospholipids and diglycerides. Blank ML, et al. **J Chromatogr** 1984 Aug 31;298(3):473-82

Analysis of phospholipids in cow's milk by high-temperature injection gas chromatography and high-performance liquid chromatography. Caboni MF, et al. **J Chromatogr** 1984 Dec 19;315:223-31

Unusual fatty acids from amniotic fluid phospholipids. Coombe RG, et al. **J Chromatogr** 1985 May 31; 341(1):146-53

Reversed-phase high-performance liquid chromatographic separation of molecular species of alkyl ether, vinyl ether, and monoacyl lysophospholipids. Creer MH, et al. **J Chromatogr** 1985 Feb 27;338(1):61-9

The ratio of plasma membrane cholesterol to phospholipid and the inhibition of Sindbis virus maturation by low NaCl medium. Garry RF, et al. **J Gen Virol** 1985 May;66 (Pt 5):1171-7

Preservation of arachidonoyl phospholipids during tissue processing for electron microscopic autoradiography. Krueger CM, et al. **J Histochem Cytochem** 1985 Aug; 33(8):799-802

Compositional and molecular species analysis of phospholipids by high performance liquid chromatography coupled with chemical ionization mass spectrometry. Jungalwala FB, et al. **J Lipid Res** 1984 Jul;25(7):738-49

Membrane cholesterol and phospholipid in consecutive concentric sections of human lenses. Li LK, et al. **J Lipid Res** 1985 May;26(5):600-9

Isolation of diosgenin[(25R)-spirost-5-en-3 beta-ol] from a lysate of a new hypotensive phospholipid occurring in bovine brain. Tsukatani H, et al. **J Neurochem** 1985 Feb; 44(2):658-61

Phospholipids of cercariae and adult Schistosoma mansoni. Young BW, et al. **J Parasitol** 1984 Jun;70(3):447-8

Pulmonary lavage as a source of human surfactant. Sherman JM, et al. **J Pediatr** 1985 Jan;106(1):126-7

One-dimensional thin-layer chromatographic separation of the lipids involved in arachidonic acid metabolism. Irvine RF, et al. **J Pharmacol Methods** 1984 Oct;12(3):171-82

Determination of lipid composition and thermal phase transition temperature in an enriched plasma membrane fraction from ram spermatozoa. Holt WV, et al. **J Reprod Fertil** 1985 Jan;73(1):285-94

Laboratory considerations: determination of cholesterol, triglyceride, phospholipid, and other lipids in blood and tissues. Naito HK, et al. **Lab Res Methods Biol Med** 1984; 10:1-76 (130 ref.)

Determination of the phospholipid composition of trout gill by Iatroscan TLC/FID: effect of thermal acclimation. Hazel JR. **Lipids** 1985 Aug;20(8):516-20

Rapid and convenient separation of phospholipids and non phosphorus lipids from rat heart using silica cartridges. Juaneda P, et al. **Lipids** 1985 Jan;20(1):40-1

Phospholipid composition of guinea pig lung lavage. Khan AQ, et al. **Lipids** 1985 Jan;20(1):7-10

Lipid composition of Cryptococcus neoformans. Rawat DS, et al. **Microbiologica** 1984 Oct;7(4):299-307

Ethanol-induced alterations in rat synaptosomal plasma membrane phospholipids. Relationship to changes in the phospholipid methyltransferases. Magruder JD, et al. **Mol Pharmacol** 1985 Feb;27(2):256-62

The effects of temperature- and oxygen-acclimation on phospholipids of goldfish (Carassius auratus L.) brain microsomes. Chang MC, et al. **Neurochem Res** 1985 Mar; 10(3):355-75

Mature and immature synaptosomal membranes have a different lipid composition. Gremo F, et al. **Neurochem Res** 1985 Jan;10(1):133-44

Phospholipids of normal and experimentally injured spinal cord of the miniature pig. Segler-Stahl K, et al. **Neurochem Res** 1985 Apr;10(4):563-9

Relation of changes in dietary fatty acid to alterations in linoleic acid content of human cheek cell phospholipids. **Nutr Rev** 1984 Nov;42(11):376-7

Fetal lung maturity and phospholipids. MacKenna J, et al. **Obstet Gynecol Annu** 1985;14:222-39 (50 ref.)

[Application of NMR in the study of cell membrane] Terada H. **Nippon Rinsho** 1985 Apr;43(4):714-9 **(Jpn)**

[Content of phospholipid, cerebroside and cerebroside sulfate in the central nervous system of mice with acute experimental viral demyelination] Annanepesov KhN, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):33-4 (Eng. Abstr.) **(Rus)**

[Fatty acid composition of mitochondrial phospholipids of the ischemic heart] Dagis AI, et al. **Biull Eksp Biol Med** 1985 Jan;99(1):43-5 (Eng. Abstr.) **(Rus)**

[Composition of neutral lipids, phospholipids and their fatty acids in mutant Candida tropicalis D-2 resistant to nystatin] Danilenko II. **Izv Akad Nauk SSSR [Biol]** 1984 Jul-Aug; (4):587-93 (Eng. Abstr.) **(Rus)**

[Characteristics of the phospholipid composition of erythrocyte membranes in Duchenne's progressive muscular dystrophy] Badalian LO, et al. **Pediatriia** 1984 Oct;(10):28-30 (Eng. Abstr.) **(Rus)**

[Polypeptide and phospholipid composition of the Rickettsia prowazekii membrane and its immunogenic properties] Zezerov EG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jun;(6):6-13 (Eng. Abstr.) **(Rus)**

[Clinical use of phospholipid determination in amniotic fluid] Lowenberg Favela E, et al. **Ginecol Obstet Mex** 1984 May; 52(325):111-9 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Sites of phospholipid biosynthesis during induction of intracytoplasmic membrane formation in Rhodopseudomonas sphaeroides. Radcliffe CW, et al. **Arch Microbiol** 1985 Jul;142(2):136-40

Enhanced lysosomal phospholipid degradation and lysophospholipid production due to free radicals. Weglicki WB, et al. **Biochem Biophys Res Commun** 1984 Oct 15; 124(1):229-35

Biosynthetic incorporation of fluorescent carbazolylundecanoic acid into membrane phospholipids of LM cells and determination of quenching constants and partition coefficients of hydrophobic quenchers. Omann GM, et al. **Biochemistry** 1984 Oct 9;23(21):4962-9

Regulation of phospholipid synthesis by intracellular phospholipases in fetal rabbit type II pneumocytes. Aeberhard EE, et al. **Biochim Biophys Acta** 1985 Mar 6; 833(3):473-83

Synthesis of phospholipids containing photoactivatable carbene precursors in the headgroups and their crosslinking with membrane proteins. Burnett BK, et al. **Biochim Biophys Acta** 1985 Apr 26;815(1):57-67

The capacity of the sarcoplasmic reticulum for phospholipid synthesis: a developmental study. Cornell R, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):567-76

Preparation of inside-out vesicles from erythrocyte membranes inactivates the pathway for oleic acid incorporation into phospholipid. Dugan JM, et al. **Biochim Biophys Acta** 1985 Jun 11;816(1):93-101

Modification by clofibric acid of acyl composition of glycerolipids in rat liver. Possible involvement of fatty acid chain elongation and desaturation. Kawashima Y, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):543-51

Regulation of intracellular arachidonate in normal and stressed endothelial cells. Sivarajan M, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):271-6

Escherichia coli membrane vesicles with elevated phosphatidic acid levels. A detergent-free system for in vitro phospholipid synthesis. Sparrow CP, et al. **Biochim Biophys Acta** 1984 Dec 6;796(3):373-83

Phospholipid metabolism in rat kidney cortical tubules. II. Effects of hormones on 32P incorporation. Wirthensohn G, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):401-10

Lipid biosynthesis in amphibian oocyte and embryonic cell-free preparations. Alonso TS, et al. **Comp Biochem Physiol [B]** 1984;79(3):395-400

Temporal sequence of prolactin actions on phospholipid biosynthesis in mouse mammary gland explants. Rillema JA, et al. **Endocrinology** 1985 Feb;116(2):511-5

Synthesis of surfactant lipids in the adult and fetal lung: pathways and regulatory aspects. van Golde LM. **Eur J Respir Dis [Suppl]** 1985;142:19-28

The effect of polyunsaturated phosphatidylcholine on lipid synthesis in ethanol-intoxicated cultured rat hepatocytes. Montanini I, et al. **Farmaco [Sci]** 1984 Jul;39(7):559-68

Differentiation-arrested rat fetal lung in primary monolayer cell culture. IV. Paradoxical effect of a 'fetal' pO2 on precursor incorporation into phospholipids and hormone responsiveness. Tanswell AK, et al. **In Vitro** 1984 Aug; 20(8):635-41

Effect of cholesterol on phospholipid, RNA, and protein synthesis in Mycoplasma capricolum. Dahl JS, et al. **Isr J Med Sci** 1984 Sep;20(9):807-11

Coordinate regulation of phospholipid biosynthesis in Saccharomyces cerevisiae: pleiotropically constitutive opi1 mutant. Klig LS, et al. **J Bacteriol** 1985 Jun;162(3):1135-41

Regulation of phospholipid synthesis in phosphatidylserine synthase-deficient (chol) mutants of Saccharomyces cerevisiae. Letts VA, et al. **J Bacteriol** 1985 Aug; 163(2):560-7

Duplication of Escherichia coli during inhibition of net phospholipid synthesis. Pierucci O, et al. **J Bacteriol** 1985 Apr;162(1):374-82

Biosynthesis of novel acidic phospholipid analogs in Escherichia coli. Shibuya I, et al. **J Bacteriol** 1985 Feb; 161(2):473-7

Independent synthesis of phospholipid and the intrinsic proteins of the sarcoplasmic reticulum. Cornell R, et al. **J Biol Chem** 1985 Jan 25;260(2):1290-5

Influence of dietary cholesterol on the relative synthesis of hepatic glycerides and molecular classes of 1,2-diglycerides and phospholipids in the gerbil in vivo. Andersen DB, et al. **Lipids** 1985 Mar;20(3):167-72

The effect of 3-methylindole on the uptake and incorporation of 14C-choline into phospholipids in lung tissue slices. Kirkland JB, et al. **Lipids** 1984 Oct;19(10):709-13

Carbon tetrachloride depresses hepatic phospholipid synthesis in rats. Gebhart AM, et al. **Toxicol Lett** 1985 Jan; 24(1):71-8

[Effect of beta adrenergic drugs on phospholipid synthesis in the human fetal lung] Zsolnai B, et al. **Zentralbl Gynakol** 1984;106(23):1509-19 (Eng. Abstr.) **(Ger)**

[Isolation of yeast mutants defective in phospholipid metabolism and cloning of genes for phospholipid synthesis] Nikawa J, et al. **Seikagaku** 1984 Sep; 56(9):1125-32 (33 ref.) **(Jpn)**

[Recent progress in the biosynthetic mechanism of phospholipid molecular species] Okuyama H. **Seikagaku** 1984 Oct;56(10):1234-50 (143 ref.) **(Jpn)**

[Quantitative properties and biosynthesis of phospholipids in rat embryonic tissues in the process of development] Saatov TS, et al. **Biokhimiia** 1984 Nov;49(11):1804-9 (Eng. Abstr.) **(Rus)**

[Effect of cycloheximide and actinomycin D on the phospholipid and neutral lipid content of Cunninghamella japonica] Mikhailova MV, et al. **Mikrobiologiia** 1984 Sep-Oct;53(5):816-21 (Eng. Abstr.) **(Rus)**

[Biosynthesis of phospholipids in the myocardium during the chronic inflammatory bronchopulmonary process] Kazarian PA. **Vopr Med Khim** 1984 Sep-Oct;30(5):90-2 (Eng. Abstr.) **(Rus)**

BLOOD

Abnormalities of the erythrocyte membrane phospholipids in Friedreich's ataxia. Firenze C, et al. **Acta Neurol Scand** 1984 Sep;70(3):197-200

Sensitivity of individual erythrocyte membrane phospholipids to changes in fatty acid composition in chronic alcoholic patients. La Droitte P, et al. **Alcoholism (NY)** 1985 Mar-Apr;9(2):135-7

A method for the measurement of a diene-conjugated derivative of linoleic acid, 18:2(9,11), in serum phospholipid, and possible origins. Iversen SA, et al. **Ann Clin Biochem** 1985 Mar;22 (Pt 2):137-40

Phospholipid transmethylation in the membrane of human neutrophils and lymphocytes. Niwa Y, et al. **Arch Biochem Biophys** 1984 Oct;234(1):7-14

Ca2+-stimulated phospholipid phosphoesterase activities in rabbit erythrocyte membranes. Quist E. **Arch Biochem Biophys** 1985 Jan;236(1):140-9

Conversion of 1-alkyl-2-acetyl-sn-glycerols to platelet activating factor and related phospholipids by rabbit platelets. Blank ML, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):156-63

Arachidonyl transfer from diacyl phosphatidylcholine to ether phospholipids in rat platelets. Colard O, et al. **Biochem J** 1984 Sep 15;222(3):657-62

Sickling of sickle erythrocytes does not alter phospholipid asymmetry. Raval PJ, et al. **Biochem J** 1984 Oct 15; 223(2):555-7

Alterations in erythrocyte membrane lipids in abetalipoproteinemia: phospholipid and fatty acyl composition. Iida H, et al. **Biochem Med** 1984 Aug; 32(1):79-87

Membrane bilayer balance and erythrocyte shape: a quantitative assessment. Ferrell JE Jr, et al. **Biochemistry** 1985 Jun 4;24(12):2849-57

Inhibition of Friend cell erythrodifferentiation by modification of membrane phospholipid composition by choline analogues. Kaiho S, et al. **Biochim Biophys Acta** 1985 Jan 28;838(1):175-8

Phospholipid composition of dystrophic chicken erythrocyte plasmalemmae. I. Isolation of a unique lipid in dystrophic erythrocyte membranes. Kester M, et al. **Biochim Biophys Acta** 1984 Nov 21;778(1):112-20

Influence of cholesterol and prostaglandin E1 on the molecular organization of phospholipids in the erythrocyte membrane. A fluorescent polarization study with lipid-specific probes. Manevich EM, et al. **Biochim Biophys Acta** 1985 May 28;815(3):455-60

Altered phospholipid composition of plasma membranes from thrombin-stimulated human platelets. Skeaff CM, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):164-71

Substrate specificity of human plasma phospholipid transfer protein. Sweeny SA, et al. **Biochim Biophys Acta** 1985 Jul 9;835(2):279-90

Absence of transbilayer diffusion of spin-labeled sphingomyelin on human erythrocytes. Comparison with the diffusion of several spin-labeled glycerophospholipids. Zachowski A, et al. **Biochim Biophys Acta** 1985 May 28; 815(3):510-4

Characteristics of phospholipid methylation in human erythrocyte ghosts: relationship(s) to the psychoses and affective disorders. Hitzemann R, et al. **Biol Psychiatry** 1985 Apr;20(4):397-407

Fatty acid patterns of the serum phospholipids, cholesterolesters and triglycerides in patients with myocardial infarction (MI) during the acute phase and a follow-up of one year. Kahl PE, et al. **Biomed Biochim Acta** 1984;43(8-9):S447-50

Essential fatty acids in the plasma phospholipids of patients with leprosy. Wright S. **Br J Dermatol** 1985 Jun; 112(6):673-7

Disruption of phospholipid asymmetry in erythrocyte vesicles deficient in spectrin. Choe HR, et al. **Cell Biol Int Rep** 1985 Jul;9(7):597-606

High-density lipoprotein phospholipid concentrations in serum of patients with liver disease [letter] Akaike M, et al. **Clin Chem** 1985 Jun;31(6):1083-4

Variations in total phospholipids and high-density lipoprotein phospholipids in plasma from a general population: reference intervals and influence of xenobiotics. Cuvelier I, et al. **Clin Chem** 1985 May;31(5):763-6

A rapid method for erythrocyte membrane phospholipid determination. Cynamon HA, et al. **Clin Chim Acta** 1984 Dec 15;144(1):65-70

A simplified procedure for estimation of lipid phosphorus in erythrocyte membranes. Feuerstein H, et al. **Clin Chim Acta** 1984 Dec 29;144(2-3):249-53

Increased arachidonic acid incorporation into platelet phospholipids in type 2 (non-insulin-dependent) diabetes [letter] Mikhailidis DP, et al. **Diabetologia** 1984 Aug; 27(2):242-3

Effect of diamide (azodicarboxylic acid-bis-dimethylamide) on arachidonic acid release from human blood platelet phospholipids. Lösche W, et al. **Folia Haematol (Leipz)** 1984;111(6):769-73

Metal and phospholipid binding properties of partially carboxylated human prothrombin variants. Borowski M, et al. **J Biol Chem** 1985 Aug 5;260(16):9258-64

Evidence that phospholipid turnover is the signal transducing system coupled to serotonin-S2 receptor sites. de Chaffoy de Courcelles D, et al. **J Biol Chem** 1985 Jun 25; 260(12):7603-8

Serotonin secretion from human platelets may be modified by Ca2+-activated, phospholipid-dependent myosin phosphorylation. Inagaki M, et al. **J Biol Chem** 1984 Dec 10;259(23):14321-3

22-Carbon polyenoic acids. Incorporation into platelet phospholipids and the synthesis of these acids from 20-carbon polyenoic acid precursors by intact platelets. Weiner TW, et al. **J Biol Chem** 1985 May 25;260(10):6032-8

Membrane phospholipid asymmetry as a factor in erythrocyte-endothelial cell interactions. Schlegel RA, et al. **J Cell Physiol** 1985 May;123(2):215-8

Phospholipid asymmetry in human erythrocyte ghosts. Williamson P, et al. **J Cell Physiol** 1985 May;123(2):209-14

Abnormality of phospholipid transverse diffusion in sickle erythrocytes. Zachowski A, et al. **J Clin Invest** 1985 May; 75(5):1713-7

A comparative study of eicosapentaenoic acid metabolism by human platelets in vivo and in vitro. von Schacky C, et al. **J Lipid Res** 1985 Apr;26(4):457-64

Effect of egg yolk phospholipids plasma elimination and tissue distribution of coenzyme Q10 administered in an emulsion to rats. Yamaguchi H, et al. **J Pharm Pharmacol** 1984 Nov;36(11):766-7

Hydrolytic activities of human pancreatic phospholipase A2 and endotoxin-stimulated endogenous phospholipase A2 toward membrane phospholipids of erythrocytes. Nishijima J, et al. **J Surg Res** 1985 Mar;38(3):237-45

An altered ratio of 18:2 (9,11) to 18:2 (9,12) linoleic acid in plasma phospholipids as a possible predictor of pre-eclampsia. Erskine KJ, et al. **Lancet** 1985 Mar 9; 1(8428):554-5

Alteration and recovery of bleeding times, platelet aggregation and fatty acid composition of individual phospholipids in platelets of human subjects receiving a supplement of cod-liver oil. Ahmed AA, et al. **Lipids** 1984 Aug;19(8):617-24

Incorporation of arachidonic acid and eicosapentaenoic acid into phospholipids by polymorphonuclear leukocytes in vitro. Tou JS. **Lipids** 1984 Aug;19(8):573-7

Calcium, parathyroid hormone and phospholipid turnover of human red blood cells. Brautbar N, et al. **Miner Electrolyte Metab** 1985;11(2):111-6

Phospholipid metabolism and cell stimulus activation coupling in platelets and other blood cells. Gerrard JM. **Surv Synth Pathol Res** 1984;3(6):457-76 (94 ref.)

Phosphorus labeling of proteins and phospholipids in intact platelets in response to pH 5.3. Mürer EH, et al. **Thromb Haemost** 1985 Feb 18;53(1):32-5

Influence of some plasma fatty acids on the phospholipid fatty acid pattern of human platelets--an 'ex vivo' experience. Valles J, et al. **Thromb Haemost** 1984 Dec 29; 52(3):232-5

Effects of dibutyryl cyclic AMP and forskolin on phospholipid biosynthesis in thrombin-stimulated human platelets. Imai A, et al. **Thromb Res** 1984 Sep 1;35(5):539-46

Analysis of platelet phospholipids by high performance liquid chromatography. Kawasaki T, et al. **Thromb Res** 1984 Nov 15;36(4):335-44

Effects of calmodulin antagonists and calmodulin on phospholipid base-exchange activities in rabbit platelets. Morikawa S, et al. **Thromb Res** 1985 Jan 15;37(2):267-78

Ether-phospholipid composition in neutrophils and platelets. Tence M, et al. **Thromb Res** 1985 May 1;38(3):207-14

[Methylation of erythrocyte membrane phospholipids: correlation with membrane viscosity. Study of normal and parkinsonian subjects] Meininger V, et al. **Rev Neurol (Paris)** 1984;140(8-9):488-92 (Eng. Abstr.) **(Fre)**

[Proteins and phospholipids of thrombocytes and erythrocytes in glucose-6-phosphate dehydrogenase deficient patients] Spangenberg P, et al. **Folia Haematol (Leipz)** 1984;111(6):774-81 (Eng. Abstr.) **(Ger)**

[Changes in the erythrocyte in liver cirrhosis: role of cholesterol and plasma phospholipids] Stufano N, et al. **Boll Soc Ital Biol Sper** 1985 Jan 30;61(1):137-43 (Eng. Abstr.) **(Ita)**

[Changes in red blood cell membrane properties during cardiopulmonary bypass for open-heart surgery] Tabata R, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Aug; 32(8):1199-204 (Eng. Abstr.) **(Jpn)**

[Changes in the phospholipid content of the erythrocyte membranes in children with chronic hepatitis, and their correction after its treatment] Dunaeva AN, et al. **Pediatriia** 1984 Aug;(8):19-21 (Eng. Abstr.) **(Rus)**

[Indicators of the phospholipid spectrum of blood serum and erythrocyte membranes in children with diabetes mellitus] Turkina TI, et al. **Pediatriia** 1985 Feb;(2):10-2 (Eng. Abstr.) **(Rus)**

[Various reasons for changes in the phospholipid composition of high density lipoproteins in hypoalphacholesterolemia] Gerasimova EN, et al. **Vopr Med Khim** 1985 May-Jun; 31(3):132-6 (Eng. Abstr.) **(Rus)**

[Changes in blood phospholipid and sugar levels and hemocoagulation in long-term cooling] Zhikhareva AI, et al. **Vopr Med Khim** 1984 Jul-Aug;30(4):20-2 (Eng. Abstr.) **(Rus)**

[Serum phospholipids and lipoprotein fractions in dogs during starvation and dietary lipemia] Corvic M, et al. **Srp Arh Celok Lek** 1984 Sep;112(9):889-96 (Eng. Abstr.) **(Scc)**

[Preliminary study of the phospholipids of HDL in ischemic cardiomyopathy] Díez Prieto F, et al. **Rev Clin Esp** 1984 Jun 15-30;173(5-6):291-6 (Eng. Abstr.) **(Spa)**

[Phospholipids and platelet procoagulant activity in myeloproliferative syndromes] Martínez E, et al. **Sangre (Barc)** 1985;30(1):22-7 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Liposomes from polymerizable phospholipids. Hupfer B, et al. **Chem Phys Lipids** 1983 Nov;33(4):355-74

DEFICIENCY

Impaired factor X and prothrombin activation associated with decreased phospholipid exposure in platelets from a patient with a bleeding disorder. Rosing J, et al. **Blood** 1985 Jun;65(6):1557-61

IMMUNOLOGY

Anti-phospholipid antibodies in syphilis and a thrombotic subset of SLE: distinct profiles of epitope specificity. Colaço CB, et al. **Clin Exp Immunol** 1985 Feb;59(2):449-56

Serum of normal subjects contains IgG with antibody-like specificity for phospholipids. Pengo V, et al. **Folia Haematol (Leipz)** 1984;111(5):681-5

Crossreactivity of antiphospholipid antibodies. Harris EN, et al. **J Clin Lab Immunol** 1985 Jan;16(1):1-6

Adjuvant effect of acidic phospholipids on delayed type hypersensitivity in mouse. Oka S. **Osaka City Med J** 1984 Jun;30(1):1-16

[Action of phospholipids and gangliosides on tumor cell sensitivity to the cytostatic and membrane-toxic action of splenic effectors] Bogdashin IV, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):237-9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

A procedure for removal of interfering phospholipids in the separation and analysis of proteins. Christiansen K, et al. **Anal Biochem** 1985 Feb 15;145(1):63-6

Densitometric quantitation of individual phospholipids from natural sources separated by one-dimensional thin-layer chromatography. Goppelt M, et al. **Anal Biochem** 1984 Jul; 140(1):152-6

Simultaneous extraction and preparation for high-performance liquid chromatography of prostaglandins and phospholipids. Saunders RD, et al. **Anal Biochem** 1984 Nov 15;143(1):71-5

Changes in the fatty acid composition of phospholipids from turbot (Scophthalmus maximus) in relation to dietary polyunsaturated fatty acid deficiencies. Bell MV, et al. **Comp Biochem Physiol [B]** 1985;81(1):193-8

Purification and analysis of phospholipids in the inner mitochondrial membrane fraction of bovine corpus luteum, and properties of cytochrome P-450scc incorporated into vesicles prepared from these phospholipids. Tuckey RC, et al. **Eur J Biochem** 1985 Apr 15;148(2):379-84

Sheep and goat brain phosphonolipids: isolation by thin-layer chromatography, identification and column chromatography. Moschidis MC. **J Chromatogr** 1984 Aug 24;298(2):366-71

[Detection of lipopeptide complexes in lipid fractions of Proteus mirabilis] Bondarenko BN. **Mikrobiologiia** 1985 Jan-Feb;54(1):121-7 (Eng. Abstr.) **(Rus)**

METABOLISM

Pseudocooperative effects in reactivation of membrane-bound enzymes with phospholipids. Cortese JD, et al. **Acta Physiol Pharmacol Latinoam** 1984; 34(2):131-42

Incorporation of biogenic amines into phospholipids studied in two-phase-system. Lishajko F. **Acta Physiol Scand** 1984 Nov;122(3):387-96

Membrane phospholipid metabolism and signal transduction for protein phosphorylation. Takai Y, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1984; 18:119-58 (257 ref.)

Phospholipid alterations and membrane injury during myocardial ischemia. Chien KR, et al. **Adv Myocardiol** 1985;5:347-53 (33 ref.)

Increased hepatic density and phospholipidosis due to amiodarone. Goldman IS, et al. **AJR** 1985 Mar;144(3):541-6

Effect of ethanol on thrombin-induced platelet phospholipid breakdown and release of [3H]-5-hydroxytryptamine. Fenn GC, et al. **Alcohol** 1985 Jan-Feb;2(1):177-82

Effect of ethanol in vitro and in vivo on Ca2+-activated metabolism of membrane phospholipids in rat synaptosomal and brain slice preparations. Hudspith M, et al. **Alcohol** 1985 Jan-Feb;2(1):133-8

The effect of heavy maternal alcohol intake on amniotic fluid phospholipids in late pregnancy. Halvorsen PR, et al. **Am J Perinatol** 1985 Jul;2(3):173-7

Effect of 1,25-dihydroxyvitamin D3 on phospholipid composition of rat renal brush border membrane. Tsutsumi M, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):F117-23

The surfactant system and lung phospholipid biochemistry. Rooney SA. **Am Rev Respir Dis** 1985 Mar;131(3):439-60 (324 ref.)

Is there a correlation between membrane phospholipid metabolism and cell division? Michel GP, et al. **Ann Inst Pasteur Microbiol** 1985 Jan-Feb;136A(1):111-8

Turnover of phospholipids and glycerides of spheroplasts of

Mycobacterium smegmatis ATCC 14468. Murty MV, et al. **Ann Microbiol (Paris)** 1984 Sep-Oct;135B(2):147-54

Tetracycline diffusion through phospholipid bilayers and binding to phospholipids. Argast M, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):263-5

Selectivity in rhodopsin-phospholipid interactions. Fischer TH, et al. **Arch Biochem Biophys** 1984 Nov 1; 234(2):394-404

The association of cytochrome P-450 and NADPH-cytochrome P-450 reductase in phospholipid membranes. Miwa GT, et al. **Arch Biochem Biophys** 1984 Oct;234(1):161-6

NADPH-cytochrome P-450 reductase-cytochrome b5 interactions: crosslinking of the phospholipid vesicle-associated proteins by a water-soluble carbodiimide. Nisimoto Y, et al. **Arch Biochem Biophys** 1985 Sep;241(2):386-96

High-performance liquid chromatographic determination of phospholipid peroxidation products of rat liver after carbon tetrachloride administration. Terao J, et al. **Arch Biochem Biophys** 1984 Dec;235(2):326-33

Acceleration of rat liver phospholipid metabolism after long-term cadmium administration. Waku K, et al. **Arch Biochem Biophys** 1985 May 1;238(2):509-16

Peripheral nerve phospholipids in acrylamide neuropathy. Howland RD, et al. **Arch Toxicol** 1984 Sep;55(3):178-81

The effect of coenzyme Q10 on the action of phospholipase. Sugiyama S, et al. **Arzneimittelforsch** 1985;35(1):23-5

Depletion of membrane phospholipid and mitochondrial dysfunction associated with coronary reperfusion. Hattori M, et al. **Basic Res Cardiol** 1985 May-Jun;80(3):241-50

Fusion of phospholipid vesicles induced by Zn2+, Cd2+, and Hg2+. Barfield KD, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):389-95

Insulin-mediated fusion of negatively charged phospholipid vesicles at low pH. Farias RN, et al. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):68-74

Lipoprotein lipase-catalyzed hydrolysis of phospholipid monolayers: effect of fatty acyl composition on enzyme activity. Jackson RL, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):670-5

Selectivity of acyl transfer between phospholipids: arachidonoyl transacylase in dog heart membranes. Reddy PV, et al. **Biochem Biophys Res Commun** 1985 Jun 14; 129(2):381-8

Activation of cellular protein kinase C and mode of inhibitory action of phospholipid-interacting compounds. Uratsuji Y, et al. **Biochem Biophys Res Commun** 1985 Jul 31; 130(2):654-61

Enhanced lysosomal phospholipid degradation and lysophospholipid production due to free radicals. Weglicki WB, et al. **Biochem Biophys Res Commun** 1984 Oct 15; 124(1):229-35

Phospholipid association with the bovine cardiac mitochondrial adenosine triphosphatase. Brown RE, et al. **Biochem J** 1985 Feb 1;225(3):597-608

Ferrous ion-EDTA-stimulated phospholipid peroxidation. A reaction changing from alkoxyl-radical- to hydroxyl-radical-dependent initiation. Gutteridge JM. **Biochem J** 1984 Dec 15;224(3):697-701

Investigation of phospholipids of the pulmonary extracellular lining by electron paramagnetic resonance. The effects of phosphatidylglycerol and unsaturated phosphatidylcholines on the fluidity of dipalmitoyl phosphatidylcholine. Hook GE, et al. **Biochem J** 1984 Oct 15;223(2):533-42

Effect of antituberculous calixarenes on phospholipase A2 susceptibility and on fusion of phospholipid bilayers. Jain MK, et al. **Biochem J** 1985 May 1;227(3):789-94

Binding of human blood-coagulation Factors IXa and X to phospholipid membranes. Mertens K, et al. **Biochem J** 1984 Nov 1;223(3):599-605

Effects of antimicrotubule agents on phospholipid metabolism in rat hepatic subcellular membranes. Azhar S, et al. **Biochem Pharmacol** 1985 Sep 1;34(17):3153-9

Correlations between phospholipid methylation and neuronal catecholamine transport. Samet MK, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3547-51

Characterization of aminoglycoside-lipid interactions and development of a refined model for ototoxicity testing. Wang BM, et al. **Biochem Pharmacol** 1984 Oct 15; 33(20):3257-62

Beta-adrenergic coupled phospholipid methylation. A possible role in withdrawal from chronic ethanol. Zawad JS, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3799-805

Phospholipid metabolism in the adrenal cortex. Bell JB, et al. **Biochem Soc Trans** 1985 Feb;13(1):64-7

Kinetics of cholesterol and phospholipid exchange from membranes containing cross-linked proteins or cross-linked phosphatidylethanolamines. Bittman R, et al. **Biochemistry** 1985 Mar 12;24(6):1403-9

Effect of surface composition on triolein hydrolysis in phospholipid vesicles and microemulsions by a purified acid lipase. Burrier RE, et al. **Biochemistry** 1984 Oct 23; 23(22):5366-71

Identification of plasmalogen as the major phospholipid constituent of cardiac sarcoplasmic reticulum. Gross RW. **Biochemistry** 1985 Mar 26;24(7):1662-8

Effects of a surfactant-associated protein and calcium ions on the structure and surface activity of lung surfactant lipids. Hawgood S, et al. **Biochemistry** 1985 Jan 1; 24(1):184-90

Monovalent cation-induced phospholipid vesicle aggregation: effect of ion binding. Ohki S, et al. **Biochemistry** 1984 Dec 4;23(25):6126-32

Phospholipid localization in the plasma membrane of Friend erythroleukemic cells and mouse erythrocytes. Rawyler A, et al. **Biochemistry** 1985 Mar 26;24(7):1777-83

Role of peptide structure in lipid-peptide interactions: a fluorescence study of the binding of pentagastrin-related pentapeptides to phospholipid vesicles. Surewicz WK, et al. **Biochemistry** 1984 Dec 4;23(25):6072-7

Partition of amphiphilic molecules into phospholipid vesicles and human erythrocyte ghosts: measurements by ultraviolet difference spectroscopy. Welti R, et al. **Biochemistry** 1984 Dec 4;23(25):6086-91

Incorporation of 32P into phospholipids in vivo during compensatory renal growth. Banfić H, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):223-8

Interaction of hexane phosphonic acid diethyl ester with phospholipids in hepatic microsomes and reconstituted liposomes as studied by 31P-NMR. Bayerl T, et al. **Biochim Biophys Acta** 1985 Jan 25;812(2):437-46

Kinetics of phospholipid transfer between liposomes (neutral or negatively charged) and high-density lipoproteins: a spin-label study of early events. Bienvenüe A, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):557-66

The involvement of cytoskeleton in the regulation of transbilayer movement of phospholipids in human blood platelets. Comfurius P, et al. **Biochim Biophys Acta** 1985 Apr 26;815(1):143-8

Acyltransferase activities in adult rat type II pneumocyte-derived subcellular fractions. Crecelius CA, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):238-46

Suppression of 1,25-dihydroxy-vitamin D3-dependent calcium transport by protein synthesis inhibitors and changes in phospholipids in skeletal muscle. de Boland AR, et al. **Biochim Biophys Acta** 1985 May 30;845(2):237-41

Studies on the enzymatic pathways of calcium ionophore-induced phospholipid degradation and arachidonic acid mobilization in peritoneal macrophages. Emilsson A, et al. **Biochim Biophys Acta** 1985 Aug 30; 846(2):265-74

Modification of the erythrocyte membrane by a non-specific lipid transfer protein. Franck PF, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):405-11

Phospholipid oxidation catalyzed by cytochrome c in liposomes. Goñi FM, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):549-56

The separate profile structures of the functional calcium pump protein and the phospholipid bilayer within isolated sarcoplasmic reticulum membranes determined by X-ray and neutron diffraction. Herbette L, et al. **Biochim Biophys Acta** 1985 Jul 11;817(1):103-22

Action of phospholipase A2 on bilayers. Effect of fatty acid and lysophospholipid additives on the kinetic parameters. Jain MK, et al. **Biochim Biophys Acta** 1985 Apr 11; 814(2):313-8

Interactions of polymerized phospholipid vesicles with cells. Uptake, processing and toxicity in macrophages. Juliano RL, et al. **Biochim Biophys Acta** 1985 Jan 10;812(1):42-8

The phospholipids of lamellar body material from fetal rabbit lung tissue in culture. Unusual phosphatidylcholine fatty acid profile. Longmuir KJ, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):135-43

Cerulenin effect on phospholipid metabolism in Mycobacterium smegmatis ATCC 607. Mahajan S, et al. **Biochim Biophys Acta** 1984 Oct 4;795(3):493-8

Occurrence of N-acylethanolamine phospholipids in fish brain and spinal cord. Natarajan V, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):426-33

Phospholipid fatty acids in brains of normal sheep and sheep with ceroid-lipofuscinosis. Palmer DN, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):159-63

Phospholipid exchange between restricted and nonrestricted domains in sarcoplasmic reticulum vesicles. Selinsky BS, et al. **Biochim Biophys Acta** 1985 Feb 28;813(1):33-40

Essential adaptation of the calcium influx assay into liposomes with entrapped arsenazo III for studies on the possible calcium translocating properties of acidic phospholipids. Smaal EB, et al. **Biochim Biophys Acta** 1985 Jun 27; 816(2):418-22

Phospholipids, sterol carrier protein2 and adrenal steroidogenesis. Vahouny GV, et al. **Biochim Biophys Acta** 1985 May 17;834(3):324-30

Hydrolysis of phospholipid monolayers by human spermatozoa. Inhibition by male contraceptive gossypol. Vainio P, et al. **Biochim Biophys Acta** 1985 Apr 11; 814(2):405-8

Mitochondrial phospholipid composition and microviscosity in myocardial ischaemia. Victor T, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):215-23

Phospholipid metabolism in rat kidney cortical tubules. I. Effect of renal substrates. Wirthensohn G, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):392-400

Studies on protein-lipid interactions in cytochrome c oxidase by differential scanning calorimetry. Yu CA, et al. **Biochim Biophys Acta** 1985 Feb 14;812(3):656-64

Formation of unesterified choline by rat brain. Zeisel SH. **Biochim Biophys Acta** 1985 Jul 9;835(2):331-43

Albumin-mediated changes in sperm sterol content during capacitation. Go KJ, et al. **Biol Reprod** 1985 Feb; 32(1):145-53

Glucagon treatment of rats inhibits the accumulation of lysophospholipids by liver mitochondria during preparation and subsequent incubation. Armston AE, et al. **Biosci Rep** 1984 Nov;4(11):903-8

Studies on the incorporation of eicosapentaenoic acid (EPA) into platelet membrane phospholipids and the effects of EPA supplementation on platelet function, skin bleeding time and blood viscosity in man. Greaves M, et al. **Br J Clin Pract [Symp Suppl]** 1984;31:45-8

Fatty acids, triglycerides and phospholipids. An introduction. Vas Dias FW. **Br J Clin Pract [Symp Suppl]** 1984;31:10-4

The induction of pulmonary phospholipidosis and the inhibition of lysosomal phospholipases by amiodarone. Heath MF, et al. **Br J Exp Pathol** 1985 Aug;66(4):391-7

Methylation of erythrocyte membrane phospholipid in patients with early-onset myotonic dystrophy. Eda I, et al. **Brain Dev** 1984;6(3):284-8

Biochemical transmethylation of lipids and neuropeptidergic stimulation of pituitary hormone secretion. Prasad C, et al. **Brain Res** 1985 May 13;334(1):41-6

Calcium-acidic phospholipid-phosphate complexes in human atherosclerotic aortas. Dmitrovsky E, et al. **Calcif Tissue Int** 1985 Mar;37(2):121-5

Deacylation of endogenously deuterated rat liver microsomal phospholipids by endogenous phospholipases. Pind S, et al. **Can J Biochem Cell Biol** 1985 Feb;63(2):137-44

Chemical alterations in cell envelopes of Pseudomonas aeruginosa upon exposure to polymyxin: a possible mechanism to explain adaptive resistance to polymyxin. Gilleland HE Jr, et al. **Can J Microbiol** 1984 Jul; 30(7):869-73

New assay for the O-alkyl cleavage enzyme with alkyl-lysophospholipids as substrates. Unger C, et al. **Cancer Res** 1985 Feb;45(2):616-8

Assembly of the endoplasmic reticulum phospholipid bilayer: the phosphatidylcholine transporter. Bishop WR, et al. **Cell** 1985 Aug;42(1):51-60

Early stimulation of phospholipid methylation in Xenopus oocytes by progesterone. Godeau F, et al. **Cell Differ** 1985 Feb;16(1):35-41

Interactions of hemin, antimalarial drugs and hemin-antimalarial complexes with phospholipid monolayers. Ginsburg H, et al. **Chem Phys Lipids** 1984 Oct; 35(4):331-47

Membrane phospholipid organization and vesiculation of erythrocytes in sickle cell anaemia. Wagner GM, et al. **Clin Haematol** 1985 Feb;14(1):183-200 (82 ref.)

Effects of dietary fish oil supplementation on the fatty acid composition of the human platelet membrane: demonstration of selectivity in the incorporation of eicosapentaenoic acid into membrane phospholipid pools. Galloway JH, et al. **Clin Sci** 1985 Apr;68(4):449-54

Biliary inter-relationship between phospholipid, bilirubin and taurocholate in the anaesthetized rat. Garcia-Marin JJ, et al. **Clin Sci** 1984 Nov;67(5):499-504

Composition of phospholipids and free fatty acids and incorporation of labeled arachidonic acid in rabbit cornea. Comparison of epithelium, stroma and endothelium. Bazan HE, et al. **Curr Eye Res** 1984 Nov;3(11):1313-9

Effects of starvation on phospholipid metabolism of pancreatic islets. Hallberg A, et al. **Diabetes Res** 1984 Jul; 1(2):105-10

Prevention of chlorphentermine-induced pulmonary phospholipidosis in rats by phenobarbital. Reasor MJ, et al. **Drug Metab Dispos** 1985 Mar-Apr;13(2):192-6

Role of myoinositol in regulation of surfactant phospholipids in the newborn. Hallman M, et al. **Early Hum Dev** 1985 Jan;10(3-4):245-54

Effects of hydroxyeicosatetraenoic acids on fatty acid esterification in phospholipids and insulin secretion in pancreatic islets. Laychock SG. **Endocrinology** 1985 Sep; 117(3):1011-9

Effect of silica and volcanic ash on the content of lung alveolar and tissue phospholipids. Kornbrust DJ, et al. **Environ Res** 1984 Oct;35(1):140-53

Uptake and processing of liposomal phospholipids by Kupffer cells in vitro. Dijkstra J, et al. **Eur J Biochem** 1985 Apr 15;148(2):391-7

Endobronchial surface active phospholipids in various pulmonary diseases. Hallman M, et al. **Eur J Respir Dis [Suppl]** 1985;142:37-47

'Hydrophobic' surfactant apoproteins and augmentation of phospholipid recycling. Claypool WD, et al. **Exp Lung Res** 1984;6(3-4):215-22

Alveolar type II cells isolated from fetal rat lung organotypic cultures synthesize and secrete surfactant-associated phospholipids and respond to fibroblast-pneumonocyte factor. Post M, et al. **Exp Lung Res** 1984;7(1):53-65

Synaptic membrane phospholipids: effects of maternal ethanol consumption. Hofteig JH, et al. **Exp Neurol** 1985 Jan;87(1):165-71

Irreversible inhibition of phospholipid methylation and protein carboxymethylation does not alter acetylcholine receptor function in muscle cells. Magilen G, et al. **Exp Neurol** 1984 Nov;86(2):198-207

Phospholipid metabolism in pancreatic islets. Best L, et al. **Experientia** 1984 Oct 15;40(10):1085-91 (86 ref.)

Alkaline phosphatase of the calf intestine hydrolyzes phospholipids. Ehle H, et al. **FEBS Lett** 1985 Apr 22; 183(2):413-6

Changes in the composition of membrane phospholipids during the cell cycle of Escherichia coli. Mozharov AD, et al. **FEBS Lett** 1985 Jul 1;186(1):103-6

Adenylate cyclase and a fatty acid spin probe detect changes in plasma membrane lipid phase separations induced by dietary manipulation of the cholesterol:phospholipid ratio. Needham L, et al. **FEBS Lett** 1985 Apr 8;183(1):81-6

Incorporation and turnover of phospholipid precursors in normal and tumoral glial cells in culture. Hugues P, et al. **Int J Biochem** 1985;17(5):611-7

Phospholipid-protein ratio in brain of suckling rabbits treated with an organophosphorus compound. Maslinska D, et al. **Int J Tissue React** 1984;6(4):317-22

Effects of riboflavin administration on the phospholipid metabolism of rat liver impaired with carbon tetrachloride. Horiuchi S, et al. **Int J Vitam Nutr Res** 1984;54(2-3):173-7

Membrane phospholipid turnover in signal transduction; protein kinase C and mechanism of action of tumor promoters. Miyake R, et al. **Int Symp Princess Takamatsu Cancer Res Fund** 1983; 14:167-76 (30 ref.)

Evidence for covalent attachment of phospholipid to the capsular polysaccharide of Haemophilus influenzae type b. Kuo JS, et al. **J Bacteriol** 1985 Aug;163(2):769-73

Phospholipid metabolism in V79-R membranes composed of phospholipid molecular species containing trans-monoenoic fatty acids. Urade R, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):821-8

O2-triggered changes of membrane fatty acid composition have no effect on Arrhenius discontinuities of respiration in sycamore (Acer pseudoplatanus L.) cells. Bligny R, et al. **J Biol Chem** 1985 Aug 5;260(16):9166-70

Rates of amphotericin B and filipin association with sterols. A study of changes in sterol structure and phospholipid composition of vesicles. Clejan S, et al. **J Biol Chem** 1985 Mar 10;260(5):2884-9

Thrombin-induced release of von Willebrand factor from endothelial cells is mediated by phospholipid methylation. Prostacyclin synthesis is independent of phospholipid methylation. de Groot PG, et al. **J Biol Chem** 1984 Nov 10;259(21):13329-33

The relationship between valinomycin-induced alterations in membrane phospholipid fatty acid turnover, membrane potential, and cell volume in the human erythrocyte. Dise CA, et al. **J Biol Chem** 1985 Mar 10;260(5):2869-74

Manganese-phospholipid-stimulated protein kinase activity of human leukemic cells. Elias L, et al. **J Biol Chem** 1985 Jun 10;260(11):7023-8

The role of intramembrane Ca2+ in the hydrolysis of the phospholipids of Escherichia coli by Ca2+-dependent phospholipases. Elsbach P, et al. **J Biol Chem** 1985 Feb 10;260(3):1618-22

Movement of cholesterol between vesicles prepared with different phospholipids or sizes. Fugler L, et al. **J Biol Chem** 1985 Apr 10;260(7):4098-102

Chloroquine-induced phospholipid fatty liver. Measurement of drug and lipid concentrations in rat liver lysosomes. Hostetler KY, et al. **J Biol Chem** 1985 Jan 10;260(1):215-9

Binding of apolipoprotein A-I and A-II after recombination with phospholipid vesicles to the high density lipoprotein receptor of luteinized rat ovary. Hwang J, et al. **J Biol Chem** 1985 May 10;260(9):5660-8

N-(2-Aminoethyl)-5-isoquinolinesulfonamide, a newly synthesized protein kinase inhibitor, functions as a ligand in affinity chromatography. Purification of Ca2+-activated, phospholipid-dependent and other protein kinases. Inagaki M, et al. **J Biol Chem** 1985 Mar 10;260(5):2922-5

Adrenocorticotropic stimulation and insulin inhibition of adipocyte phospholipid methylation. Kelly KL, et al. **J Biol Chem** 1985 Mar 25;260(6):3640-4

Phospholipase A2 sensitivity of uterine smooth muscle membrane phospholipids and adenylate cyclase activity. Effect of temperature on the action of phospholipase present in excess. Krall JF, et al. **J Biol Chem** 1985 Aug 15;260(17):9685-91

Phospholipid protection against proteolysis of D-beta-hydroxybutyrate dehydrogenase, a lecithin-requiring enzyme. Maurer A, et al. **J Biol Chem** 1985 Feb 10;260(3):1661-9

Fusion of low density lipoproteins with cholesterol ester-phospholipid microemulsions. Prevention of particle fusion by apolipoprotein A-I. Parks JS, et al. **J Biol Chem** 1985 Mar 10;260(5):3155-63

Liver ischemia increases the molecular order of microsomal membranes by increasing the cholesterol-to-phospholipid ratio. Petrovich DR, et al. **J Biol Chem** 1984 Nov 10; 259(21):13217-23

Evidence for glucose-responsive and -unresponsive pools of phospholipid in pancreatic islets. Rana RS, et al. **J Biol Chem** 1985 Jul 5;260(13):7861-7

Acylation of lysophospholipids by rabbit alveolar macrophages. Specificities of CoA-dependent and CoA-independent reactions. Robinson M, et al. **J Biol Chem** 1985 Jul 5;260(13):7889-95

Heme transfer between phospholipid membranes and uptake by apohemoglobin. Rose MY, et al. **J Biol Chem** 1985 Jun 10;260(11):6632-40

Inhibition of macrophage phagocytosis by methylation inhibitors. Lack of correlation of protein carboxymethylation and phospholipid methylation with phagocytosis. Sung SJ, et al. **J Biol Chem** 1985 Jan 10; 260(1):546-54

Purification and properties of a phospholipid transfer protein from Rhodopseudomonas sphaeroides. Tai SP, et al. **J Biol Chem** 1984 Oct 10;259(19):12178-83

Relationships between membrane lipid composition and biological properties of rat myocytes. Effects of aging and manipulation of lipid composition. Yechiel E, et al. **J Biol Chem** 1985 Aug 5;260(16):9123-31

Lateral mobility and organization of phospholipids and proteins in rat myocyte membranes. Effects of aging and manipulation of lipid composition. Yechiel E, et al. **J Biol Chem** 1985 Aug 5;260(16):9132-6

B cell activation. VI. Effects of exogenous diglyceride and modulators of phospholipid metabolism suggest a central role for diacylglycerol generation in transmembrane signaling by mIg. Coggeshall KM, et al. **J Immunol** 1985 Jan;134(1):101-7

An exoglycosidase-sensitive triggering site on NK cells which is coupled to transmethylation of membrane phospholipids. Kiyohara T, et al. **J Immunol** 1985 Jul; 135(1):659-64

Calcium-activated, phospholipid-dependent protein kinase in pig epidermis. Koizumi H, et al. **J Invest Dermatol** 1984 Oct;83(4):261-4

Phospholipid methylation in the calcium-dependent release of arachidonate for prostaglandin synthesis in renal medulla. Craven PA, et al. **J Lab Clin Med** 1984 Oct; 104(4):480-93

Contribution of vesicular and micellar carriers to cholesterol transport in human bile. Sömjen GJ, et al. **J Lipid Res** 1985 Jun;26(6):699-704

Plasma phospholipid transfer protein enhances transfer and exchange of phospholipids between very low density lipoproteins and high density lipoproteins during lipolysis. Tall AR, et al. **J Lipid Res** 1985 Jul;26(7):842-51

Lateral phase separation of phospholipids as a basis for increased permeability of membranes towards fluorescein and other chemical species. Humphries GM, et al. **J Membr Biol** 1984;80(3):249-56

Renal cortical brush-border and basolateral membranes: cholesterol and phospholipid composition and relative turnover. Molitoris BA, et al. **J Membr Biol** 1985; 83(3):207-15

Effects of short- and long-term protriptyline treatment on phospholipid metabolism in rat brain. Trzeciak HI. **J Neurochem** 1985 Feb;44(2):401-5

Hydrolysis of endogenous phospholipids by rat brain microsomes. Witter B, et al. **J Neurochem** 1985 Jan; 44(1):155-62

Polar head group decarboxylation and methylation of phospholipids: an alternate route for phosphatidylcholine formation in cultured neuronal cells. Yavin E. **J Neurochem** 1985 May;44(5):1451-8

Incorporation of intracisternally administered L-[methyl-3H]methionine and S-adenosyl-L-[methyl-3H]-methionine into rat brain phospholipids. Zawad JS, et al. **J Neurochem** 1985 Mar; 44(3):808-11

Retrograde axonal transport of endogenous phospholipids in rat sciatic nerve. Armstrong R, et al. **J Neurosci** 1985 Apr; 5(4):965-9

Release of polyunsaturated fatty acids from phospholipids and alteration of brain membrane integrity by oxygen-derived free radicals. Chan PH, et al. **J Neurosci Res** 1984;12(4):595-605

Lung surfactant phospholipids as related to hydration and choline status of fasted rats. Bruno JV, et al. **J Nutr** 1985 Jan;115(1):85-92

Effects of biotin deficiency on polyunsaturated fatty acid metabolism in rats. Kramer TR, et al. **J Nutr** 1984 Nov; 114(11):2047-52

Effect of myo-inositol on the glycerophospholipid composition of adult and fetal rat lung tissue. Quirk JG Jr, et al. **J Perinat Med** 1984;12(4):201-10

Phospholipase A activity of extracellular products from Bacteroides melaninogenicus on epithelium tissue cultures. Bulkacz J, et al. **J Periodont Res** 1985 Mar;20(2):146-53

Effects of the cannabinoids on physical properties of brain membranes and phospholipid vesicles: fluorescence studies. Hillard CJ, et al. **J Pharmacol Exp Ther** 1985 Mar; 232(3):579-88

[3H]netilmicin binding constants and phospholipid composition of renal plasma membranes of normal and diabetic rats. Josepovitz C, et al. **J Pharmacol Exp Ther** 1985 May;233(2):298-303

Gentamicin or chlorphentermine induction of phospholipidosis in the developing organism: role of tissue and species in manifestation of toxicity. Kacew S. **J Pharmacol Exp Ther** 1985 Jan;232(1):239-43

Synaptosomal cholesterol and phospholipid levels in several mouse strains differentially sensitive to ethanol. Smith TL. **J Pharmacol Exp Ther** 1985 Mar;232(3):702-7

Cyclic changes in phospholipid content and composition in human endometrium during the menstrual cycle. Montane JL, et al. **J Reprod Fertil** 1985 Mar;73(2):317-21

Are polyphosphorylated phospholipids involved in the hormonal control of cholesterol side-chain cleavage activity in tumour Leydig cells? Terpstra P, et al. **J Steroid Biochem** 1985 Jun;22(6):773-80

Elimination of lipofundin S during the intravenous fat tolerance test in patients with low, medium, and high fasting triglyceride concentrations. Leonhardt W, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul-Aug;9(4):461-3

Effects of cellular Ca2+ depletion on phospholipid turnover and glycogen phosphorylase a in rat hepatocytes. Goto M, et al. **Jpn J Exp Med** 1984 Jun;54(3):109-15

Recovery of cortical phospholipidosis and necrosis after acute gentamicin loading in rats. Giuliano RA, et al. **Kidney Int** 1984 Dec;26(6):838-47

Increased acidic phospholipids in rat brain membranes after chronic ethanol administration. Sun GY, et al. **Life Sci** 1984 Nov 19;35(21):2127-33

Phospholipid studies of marine organisms: new branched fatty acids from Strongylophora durissima. Dasgupta A, et al. **Lipids** 1984 Oct;19(10):768-76

Essential fatty acids in plasma, red blood cells and liver phospholipids in common laboratory animals as compared to humans. Horrobin DF, et al. **Lipids** 1984 Oct; 19(10):806-11

Lipids of dermatophytes II. Effect of growth condition on the lipid composition and membrane transport of Microsporum gypseum. Larroya S, et al. **Lipids** 1985 Jan; 20(1):11-5

Heterogeneity of membrane phospholipid mobility in endothelial cells depends on cell substrate. Nakache M, et al. **Nature** 1985 Sep 5-11;317(6032):75-7

Phospholipid content and composition of human meningiomas. Riboni L, et al. **Neurochem Pathol** 1984 Fall; 2(3):171-88

Myelination process in the rat sciatic nerve during regeneration and development: molecular species composition and acyl group biosynthesis of choline-, ethanolamine-, and serine-glycerophospholipids of myelin fractions. Alberghina M, et al. **Neurochem Res** 1984 Jul; 9(7):887-902

Modification of basal and GRF-stimulated cyclic AMP levels and growth hormone release by phospholipid metabolic enzyme inhibitors. Cronin MJ, et al. **Neuroendocrinology** 1985 Apr;40(4):332-8

Stimulation of phospholipid turnover by angiotensin II and phenylephrine in proximal convoluted tubules microdissected from mouse nephron. Wirthensohn G, et al. **Pflugers Arch** 1985 May;404(1):94-6

Fatty acid compositions of triacylglycerols and phospholipids in hen liver lipid before and after sexual maturity. Fujii M, et al. **Poult Sci** 1985 Jul;64(7):1371-6

Catabolism of phospholipids by chicken seminal components after storage. Resseguie WD, et al. **Poult Sci** 1984 Aug; 63(8):1653-8

The effects of ACTH, serotonin, K+ and angiotensin analogues on 32P incorporation into phospholipids of the rat adrenal cortex: basis for an assay method using zona glomerulosa cells. Whitley GS, et al. **Proc R Soc Lond [Biol]** 1984 Sep 22;222(1228):273-94 (64 ref.)

Essential fatty acids in tissue phospholipids and triglycerides of the zinc-deficient rat. Cunnane SC, et al. **Proc Soc Exp Biol Med** 1984 Dec;177(3):441-6

Hydrolysis of phospholipids by embryonic palate mesenchyme cells in vitro. Chepenik KP, et al. **Prog Clin Biol Res** 1985;163B:369-76

Choline production from choline-containing phospholipids: a hypothetical role in Alzheimer's disease and aging. Maire JC, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):637-42

Phospholipid turnover in hormone action. Nishizuka Y, et al. **Recent Prog Horm Res** 1984;40:301-45 (135 ref.)

High-frequency oscillation affects surfactant phospholipid metabolism in rabbits. Ennema JJ, et al. **Respir Physiol** 1984 Oct;58(1):29-39

Effects of artificial ventilation on surfactant phospholipid metabolism in rabbits. Ennema JJ, et al. **Respir Physiol** 1984 Oct;58(1):15-28

In vivo function and membrane binding properties are correlated for Escherichia coli lamB signal peptides. Briggs MS, et al. **Science** 1985 May 31;228(4703):1096-9

Biochemical studies on hairy cell leukemic cells. Dawson G, et al. **Semin Oncol** 1984 Dec;11(4):416-21

Prostacyclin synthesis and deacylation of phospholipids in human endothelial cells: comparison of thrombin, histamine and ionophore A23187. Hong SL, et al. **Thromb Res** 1985 Apr 1;38(1):1-10

Uptake of arachidonic acid, arachidic acid, oleic acid and their incorporation into phospholipids and triacylglycerols of isolated murine hepatocytes. Effect of thrombin-antithrombin III complex. Mandl J, et al. **Thromb Res** 1984 Aug 15;35(4):407-14

Phospholipids and glycerides composition during spheroplasts formation of Mycobacterium smegmatis ATCC 14468. Murty MV, et al. **Z Naturforsch [C]** 1984 Sep-Oct;39(9-10):962-4

[Metabolic changes of phospholipids in animals fed with low selenium] Li FS, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):269-73 (Eng. Abstr.) **(Chi)**

[Metabolic changes in phospholipids in animals fed with low selenium] Li FS, et al. **Chung Kuo Yao Li Hsueh Pao** 1984 Dec;5(4):269-73 (Eng. Abstr.) **(Chi)**

[Quantitative approach to the interactions of D-beta-hydroxybuturate dehydrogenase with phospholipids] Berrez JM, et al. **C R Soc Biol (Paris)** 1984; 178(4):467-73 (Eng. Abstr.) **(Fre)**

[Influence of parenteral nutrition on phospholipid metabolism in the rat lung in the posttraumatic period] Bahrami S, et al. **Anaesthesist** 1984 Nov;33(11):560-3 (Eng. Abstr.) **(Ger)**

[Phospholipids and arteriosclerosis] Cairella M, et al. **Clin Ter** 1984 Oct 15;111(1):3-7 **(Ita)**

[Mepindolol reduction of the degradation of phospholipids and the necrosis induced by myocardial ischemia] Ambrosio G, et al. **G Ital Cardiol** 1985 Feb;15(2):224-31 (Eng. Abstr.) **(Ita)**

[Main problems on the metabolism and function of phospholipids in the nervous system] Kunishita T, et al. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1130-45 (76 ref.) **(Jpn)**

[Lecithin and total phospholipid concentrations in lung homogenates of fetuses and newborn rabbits after beta-receptor stimulation] Dzienis K, et al. **Ginekol Pol** 1984 Apr;55(4):249-52 (Eng. Abstr.) **(Pol)**

[Asymmetry of biological membranes--distribution of lipids and various enzymatic proteins in the transverse plane of the membranes] Pikula S, et al. **Postepy Biochem** 1984; 30(1-2):107-48 (373 ref.) **(Pol)**

[Fatty acid composition of individual phospholipids in skeletal muscle at different insulin levels in the rat] Isaev EI, et al. **Biokhimiia** 1984 Oct;49(10):1686-9 (Eng. Abstr.) **(Rus)**

[Inhibition of phospholipid hydrolysis by phospholipase A2 in microsomal and mitochondrial membranes subjected to lipid peroxidation] Balevska PS, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):161-4 (Eng. Abstr.) **(Rus)**

[Phospholipids of the subcellular fractions of brain and liver tissues in rats in total oxygen starvation of the body] Gasteva SV, et al. **Biull Eksp Biol Med** 1984 Sep; 98(9):290-2 (Eng. Abstr.) **(Rus)**

[Effect of ubiquinone on phospholipid metabolism in radiation injury] Novoselova EG, et al. **Biull Eksp Biol Med** 1985 Apr;99(4):440-2 (Eng. Abstr.) **(Rus)**

[Phospholipid and malondialdehyde content in the cerebral cortex of rats with incomplete ischemia and in the postischemic period] Zamuruev ON. **Biull Eksp Biol Med** 1984 Nov;98(11):523-5 (Eng. Abstr.) **(Rus)**

[DNA translocation across model phospholipid membranes] Budker VG, et al. **Dokl Akad Nauk SSSR** 1984; 278(2):479-82 **(Rus)**

[Phospholipid composition of tumors and homologous tissues of rats exposed to dimethylnitrosamine] Moskadynova GA, et al. **Eksp Onkol** 1984;6(4):25-8 (Eng. Abstr.) **(Rus)**

[Phospholipids in the blood and tissues of rats after infusion of perfluorocarbon emulsion] Tereshina EV, et al. **Gematol Transfuziol** 1985 Apr;30(4):42-5 (Eng. Abstr.) **(Rus)**

[Regulating role of phospholipids in the positive effect of isoptin in myocardial ischemia] Karagezian KG, et al. **Kardiologiia** 1985 Apr;25(4):108-10 **(Rus)**

[Phospholipid spectrum of pulmonary surfactant and erythrocyte membranes in pneumonia] Landysheva IV, et al. **Sov Med** 1984;(8):3-6 (Eng. Abstr.) **(Rus)**

[Products of phospholipid metabolism in the initiation of the allergic reaction of target cells] Gushchin IS, et al. **Ter Arkh** 1984;56(12):110-9 (70 ref.) **(Rus)**

[Changes in the phospholipid composition of rat liver chromatin during treatment with hydrocortisone] Gevorkian ES, et al. **Ukr Biokhim Zh** 1985 Jul-Aug; 57(4):78-81 (Eng. Abstr.) **(Rus)**

[Phospholipids and cholesterol in oocytes and embryos of the loach (Misgurnus fossilis)] Goida EA, et al. **Ukr Biokhim Zh** 1984 Nov-Dec;56(6):668-71 (Eng. Abstr.) **(Rus)**

[Dynamics of [2-14C]pyruvate incorporation into liver phospholipid fractions in rats consuming water or ethanol] Selevich MI, et al. **Ukr Biokhim Zh** 1984 Nov-Dec; 56(6):674-7 (Eng. Abstr.) **(Rus)**

[Changes in mitochondrial lipid composition in hypoxia in the presence of a dinitrophenol uncoupler] Dekutovich GV, et al. **Vopr Med Khim** 1984 Sep-Oct;30(5):26-8 (Eng. Abstr.) **(Rus)**

[Changes in the phospholipid-phospholipid ratio and lipid peroxidation in the heart muscle in experimental myocardial infarction before and after combined antioxidant therapy] Engibarian AA, et al. **Vopr Med Khim** 1985 Jan-Feb;31(1):43-7 (Eng. Abstr.) **(Rus)**

[The role of changes in the antioxidative activity and phospholipid composition of the rat liver in the mechanism of phenazepam action on the liver and the protective effect of talamonal] Molochkina EM, et al. **Vopr Med Khim** 1985 May-Jun;31(3):17-21 (Eng. Abstr.) **(Rus)**

[Content of cyclic nucleotides, cholesterol and phospholipids in tumors of the large intestine] Bershtein LM, et al. **Vopr Onkol** 1985;31(2):50-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Sucrose gradient analysis of phospholipid-activated beta-glucosidase in type 1 and type 2 Gaucher's disease. Garrett KO, et al. **Arch Biochem Biophys** 1985 Apr; 238(1):344-52

Phospholipid and detergent effects on (Ca2+ + Mg2+)ATPase purified from human erythrocytes. Nelson DR, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):720-30

Acidic phospholipids may inhibit rat brain hexokinase by interaction at the nucleotide binding site. Nemat-Gorgani M, et al. **Arch Biochem Biophys** 1985 Jan;236(1):220-7

Role of phospholipids in the activation of the Ca2+-dependent neutral proteinase of human erythrocytes. Pontremoli S, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):389-95

Effect of phospholipid on aldosterone biosynthesis by a cytochrome P-450(11) beta-reconstituted system. Ohnishi T, et al. **Biochem Int** 1984 Dec;9(6):715-23

Characterization of the phospholipid requirement of a rat liver beta-glucosidase. Basu A, et al. **Biochem J** 1984 Dec 1;224(2):515-24

Effects of lysophospholipids on Ca2+ transport in rat liver mitochondria incubated at physiological Ca2+ concentrations in the presence of Mg2+, phosphate and ATP at 37 degrees C. Dalton S, et al. **Biochem J** 1984 Dec 1;224(2):423-30

The contribution of Ca2+ and phospholipids to the activation of human blood-coagulation Factor X by activated Factor IX. Mertens K, et al. **Biochem J** 1984 Nov 1;223(3):607-15

Exchange rates and numbers of annular lipids for the calcium and magnesium ion dependent adenosinetriphosphatase. East JM, et al. **Biochemistry** 1985 May 21;24(11):2615-23

Transmembrane topology of acetylcholine receptor subunits probed with photoreactive phospholipids. Giraudat J, et al. **Biochemistry** 1985 Jun 18;24(13):3121-7

Kinetic studies of prothrombin activation: effect of factor Va and phospholipids on the formation of the enzyme-substrate complex. van Rijn JL, et al **Biochemistry** 1984 Sep 25;23(20):4557-64

The essential cationic charge of phospholipid polar head in the reactivation of D-beta-hydroxybutyrate apodehydrogenase revealed by cationic surfactants. Berrez JM, et al. **Biochimie** 1984 Nov-Dec;66(11-12):717-22

Modulation of CALLA and HLA-DR on a non T non B leukemic cell line by lipid treatment. Martyre MC, et al. **Biol Cell** 1984;52(3):243-8

Amphiphilic cationic drugs and phospholipids influence the activities of beta-galactosidase and beta-glucosidase from liver lysosomal fraction of untreated rats. Harder A, et al. **Biol Chem Hoppe Seyler** 1985 Feb;366(2):189-93

Modulation of thrombin-mediated activation of factor VIII:C by calcium ions, phospholipid, and platelets. Hultin MB. **Blood** 1985 Jul;66(1):53-8

Involvement of phospholipids in the modulation of a membrane-bound brain fucosyltransferase. Serres-Guillaumond M, et al. **Can J Biochem Cell Biol** 1985 Apr;63(4):296-304

Phospholipid enrichment of Saccharomyces cerevisiae and its effect on polyene sensitivity. Rao TV, et al. **Can J Microbiol** 1985 Apr;31(4):322-6

The effect of phospholipids on the thermostability of the ATPase from locust and crayfish sarcoplasmic reticulum. Volmer H, et al. **Comp Biochem Physiol [A]** 1985; 81(4):761-8

The role of calcium/phospholipid-dependent protein kinase in Leydig cell steroidogenesis. Lin T. **Endocrinology** 1985 Jul;117(1):119-26

Partial purification and characterization of the calcium-dependent and phospholipid-dependent protein kinase C from chick oviduct. Horn F, et al. **Eur J Biochem** 1985 May 2;148(3):533-8

Physiological activity of pulmonary surfactant with low protein content: effect of enrichment with synthetic phospholipids. Berggren P, et al. **Exp Lung Res** 1985; 8(1):29-51

Calcium-activated, phospholipid-dependent protein kinase activity and protein phosphorylation in HL60 cells induced to differentiate by retinoic acid. Durham JP, et al. **FEBS Lett** 1985 Jun 3;185(1):157-61

Specificities of acylglycerols and phospholipids for interaction with phorbol ester receptor on Friend leukemia cells. Tanaka K, et al. **Gann** 1985 Jun;76(6):502-7

Effects of phospholipids on the specific binding of [3H]spiroperidol to the cholate extract of rat brain synaptic membranes. Moroi K, et al. **Int J Biochem** 1985; 17(5):637-44

gamma-Glutamyltranspeptidase from Proteus mirabilis: localization and activation by phospholipids. Nakayama R, et al. **J Bacteriol** 1984 Dec;160(3):1031-6

Ca2+-ATPase activity in pancreatic acinar plasma membranes. Regulation by calmodulin and acidic phospholipids. Ansah TA, et al. **J Biol Chem** 1984 Nov 10;259(21):13442-50

Phosphorylation of hepatic 3-hydroxy-3-methylglutaryl coenzyme A reductase and modulation of its enzymic activity by calcium-activated and phospholipid-dependent protein kinase. Beg ZH, et al. **J Biol Chem** 1985 Feb 10; 260(3):1682-7

The nature of protein kinase C activation by physically defined phospholipid vesicles and diacylglycerols. Boni LT, et al. **J Biol Chem** 1985 Sep 5;260(19):10819-25

Phospholipid and Ca++ dependency of phorbol ester receptors. König B, et al. **J Cell Biochem** 1985;27(3):255-65

Effects of thyroidectomy, insulin, and phospholipids on cyclic AMP phosphodiesterase in rat adipocyte plasma membranes. Correze C, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985; 10(2):167-78

Plasma-membrane phospholipid unsaturation affects expression of the general amino-acid permease in Saccharomyces cerevisiae Y185. Calderbank J, et al. **J Gen Microbiol** 1985 Jan;131 (Pt 1):57-65

Modulation of 1,25-dihydroxyvitamin D3 receptor by phospholipids and fatty acids. Chen TC, et al. **J Lipid Res** 1984 Dec 1;25(12):1306-12

Effect of different phospholipids on the reconstitution of two functions of the lactose carrier of Escherichia coli. Seto-Young D, et al. **J Membr Biol** 1985;84(3):259-67

Phospholipid-induced changes of gamma-aminobutyric acid transport in cortex grey matter in culture. Giesing M, et al. **J Neurochem** 1985 Mar;44(3):740-51

Phospholipid-sensitive Ca2+ -dependent protein kinase preferentially phosphorylates serine-115 of bovine myelin basic protein. Turner RS, et al. **J Neurochem** 1984 Nov; 43(5):1257-64

Ca2+ and phospholipid-dependent protein kinase activity and phosphorylation of endogenous proteins in bovine adrenal medulla. Wise BC, et al. **J Neurochem** 1985 Jul; 45(1):227-34

Catabolism of newly formed triglyceride-rich lipoproteins and serum high density lipoproteins in rats fed soybean phospholipid and soybean oil. Murata M, et al. **J Nutr** 1985 Aug;115(8):994-1004

Changes in cellular lipid synthesis of normal and neoplastic cells during cytolysis induced by alkyl lysophospholipid analogues. Herrmann DB. **JNCI** 1985 Sep;75(3):423-30

Mechanism of activation of the heme-stabilized translational inhibitor of reticulocyte lysates by calcium ions and phospholipid. de Herreros AG, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3119-23

Purified complex of factor VIII coagulant moiety and phospholipid: high factor VIII coagulant activity in factor VIII inhibitor plasma. Muntean W. **Wien Klin Wochenschr** 1984 Nov 23;96(22):829-32

Stimulation of brain synaptosome-associated adenylate cyclase by acidic phospholipids. Tsakiris S. **Z Naturforsch [C]** 1984 Nov-Dec;39(11-12):1196-8

Control of the activity of brain synaptosome-associated acetylcholinesterase by acidic phospholipids. Tsakiris S. **Z Naturforsch [C]** 1985 Jan-Feb;40(1-2):97-101

[Restoration of the biological activity of hemagglutinin--neuraminidase in NDV with phospholipids] Vasileva L, et al. **Vet Med Nauki** 1984; 21(9):33-7 (Eng. Abstr.) **(Bul)**

[Hemorrheological changes in microcirculation caused by fats of different dosage, composition and mode administration] Kobylinski S. **Zentralbl Allg Pathol** 1985; 130(2):125-37 (Eng. Abstr.) **(Ger)**

[Interaction of vasoactive substances with phospholipid and erythrocyte membranes] Petrov VK. **Farmakol Toksikol** 1985 Mar-Apr;48(2):72-7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Oncogenes, ions, and phospholipids. Macara IG. **Am J Physiol** 1985 Jan;248(1 Pt 1):C3-11 (93 ref.)

Reversible activation of human neutrophil calpain promoted by interaction with plasma membranes. Pontremoli S, et al. **Biochem Int** 1985 Jul;11(1):35-44

Proton-induced membrane fusion. Role of phospholipid composition and protein-mediated intermembrane contact. Bondeson J, et al. **Biochim Biophys Acta** 1984 Oct 17; 777(1):21-7

Membrane reconstitution of the energy-conserving enzymes of oxidative phosphorylation. Casey RP. **Biochim Biophys Acta** 1984 Dec 17;768(3-4):319-47 (301 ref.)

Stimulation of cholinephosphate cytidylyltransferase activity by estrogen in fetal rabbit lung is mediated by phospholipids. Chu AJ, et al. **Biochim Biophys Acta** 1985 May 17;834(3):346-56

Modulation of synaptic GABA receptor binding by membrane phospholipids: possible role of active oxygen radicals. Yoneda Y, et al. **Brain Res** 1985 Apr 29; 333(1):111-22

Phospholipids involved in specific binding of 12-O-(5-azido-2-nitrobenzoyl)phorbol-13-acetate to epidermal microsomes, a photolabeling study. Schmidt R, et al. **Cancer Lett** 1985 Feb;26(1):97-111

Effect of in vivo changes in phospholipid composition on liver microsomal calcium transport. Boyle DM, et al. **Cell Calcium** 1984 Oct;5(5):475-85

The effect of pH on cellular and membrane calcium binding and contraction of myocardium. A possible role for sarcolemmal phospholipid in EC coupling. Langer GA. **Circ Res** 1985 Sep;57(3):374-82

Phospholipid-sensitive Ca2+-dependent protein kinase system in testis: localization and endogenous substrates. Kimura K, et al. **Endocrinology** 1984 Dec;115(6):2391-9

Glycosyltransferase activities in liver mitochondria. Phospholipid-dependence of inner membrane mannosyltransferase. Ardail D, et al. **Eur J Biochem** 1985 Jun 18;149(3):497-502

Dissociation of the Factor-VIII complex during clotting: role of thrombin and phospholipids. Muntean W, et al. **Eur J Clin Invest** 1984 Dec;14(6):462-8

Structural and functional aspects of protein: phospholipid interactions in surfactant. Benson BJ, et al. **Eur J Respir Dis [Suppl]** 1985;142:29-36

Endobronchial surface active phospholipids: clinical conclusions. von Wichert P. **Eur J Respir Dis [Suppl]** 1985; 142:77-9

Importance of phospholipids in the bronchi. Widdicombe JG. **Eur J Respir Dis [Suppl]** 1985;142:1-5

Role of phospholipids in the binding activity of vasoactive intestinal peptide receptors. Sarrieau A, et al. **Experientia** 1985 May 15;41(5):631-3

Elasticity, strength and stability of bilayer lipid membranes and their changes due to phospholipid modification.

Passechnik VI, et al. **Gen Physiol Biophys** 1984 Dec; 3(6):475-82

Limitations of Zilversmit approach to analysis of precursor-product relationships. Jones ME, et al. **J Appl Physiol** 1984 Sep;57(3):892-8

Alteration of phospholipid composition by combined defects in phosphatidylserine and cardiolipin synthases and physiological consequences in Escherichia coli. Shibuya I, et al. **J Bacteriol** 1985 Mar;161(3):1086-92

Modulation of epididymal delta 4-steroid 5 alpha-reductase activity in vitro by the phospholipid environment. Cooke GM, et al. **J Biol Chem** 1985 Jun 25;260(12):7489-95

Phospholipid organization in H,K-ATPase-containing membranes from pig gastric mucosa. Olaisson H, et al. **J Biol Chem** 1985 Sep 15;260(20):11262-7

Adenine nucleotide translocase activity and sensitivity to inhibitors in hepatomas. Comparison of the ADP/ATP carrier in mitochondria and in a purified reconstituted liposome system. Woldegiorgis G, et al. **J Biol Chem** 1985 Jun 25;260(12):7585-90

Uncoupling of the membrane skeleton from the lipid bilayer. The cause of accelerated phospholipid flip-flop leading to an enhanced procoagulant activity of sickled cells. Franck PF, et al. **J Clin Invest** 1985 Jan;75(1):183-90

Phospholipids as dynamic participants in biological processes. Hanahan DJ, et al. **J Lipid Res** 1984 Dec 15;25(13):1528-35 (33 ref.)

Thermotropic behavior of retinal rod membranes and dispersions of extracted phospholipids. Miljanich GP, et al. **J Membr Biol** 1985;85(1):79-86

Does phospholipid methylation play a role in the primary mechanism of action of nerve growth factor? Ferrari G, et al. **J Neurochem** 1985 Sep;45(3):853-9

Evidence for conduction of protons along the interface between water and a polar lipid monolayer. Teissié J, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3217-21

RADIATION EFFECTS

Peroxidation of the dried thin film of lipid by high-energy alpha particles from a cyclotron. Agarwal S, et al. **Radiat Res** 1984 Nov;100(2):257-63

[Phospholipid metabolism in the organs of gamma-irradiated rats] Novoselova EG, et al. **Radiobiologiia** 1985 May-Jun; 25(3):328-32 (Eng. Abstr.) **(Rus)**

SECRETION

Isolation and culture of human alveolar type II epithelial cells. Characterization of their phospholipid secretion. Robinson PC, et al. **Am Rev Respir Dis** 1984 Dec; 130(6):1156-60

Rapid kinetic analysis of the bile-salt-dependent secretion of phospholipid, cholesterol and a plasma-membrane enzyme into bile. Lowe PJ, et al. **Biochem J** 1984 Sep 15; 222(3):631-7

Influence of intravenous fat therapy on tracheal effluent phospholipids and oxygenation in severe respiratory distress syndrome. Adamkin DH, et al. **J Pediatr** 1985 Jan; 106(1):122-4

THERAPEUTIC USE

Administration of fat emulsions with nutritional mixtures from the 3-liter delivery system in total parenteral nutrition. Grimble GK, et al. **JPEN J Parenter Enteral Nutr** 1985 Jul-Aug;9(4):456-60

[Use of hypothalamic phospholipid liposomes in patients with irritable bowel syndrome] Aguglia E, et al. **Clin Ter** 1985 May 15;113(3):205-9 (Eng. Abstr.) **(Ita)**

[Liposomes of hypothalamic phospholipids: evaluation of their efficacy in subjects pretreated with sulpiride] Grandi M, et al. **Clin Ter** 1984 Oct 31;111(2):147-54 (Eng. Abstr.) **(Ita)**

[Hypothalamic phospholipid liposomes. A drug for the treatment of anxiety-depressive syndromes in internal medicine] Licata G. **Recenti Prog Med** 1984 Dec; 75(12):1076-80 (Eng. Abstr.) **(Ita)**

[Structural changes of cell membrane and cell differentiation induction] Honma Y. **Nippon Rinsho** 1985 Apr;43(4):706-8 **(Jpn)**

[Theoretical basis for using unsaturated phospholipids for restoring the structure and functions of damaged biological membranes] Borodin EA, et al. **Vestn Akad Med Nauk SSSR** 1985;(3):84-90 (Eng. Abstr.) **(Rus)**

TOXICITY

Effect of increased levels of free fatty acids on the size of the ischaemic area. Pérez-Medina T, et al. **Cor Vasa** 1985; 27(1):87-91

URINE

Contrasting effects of gentamicin and mercuric chloride on urinary excretion of enzymes and phospholipids in the rat. Josepovitz C, et al. **Lab Invest** 1985 Apr;52(4):375-86

PHOSPHOMONOESTERASES

Modulation of gastric H+,K+-transporting ATPase function by sodium. Ray TK, et al. **FEBS Lett** 1985 Jun 3;185(1):24-8

ANALYSIS

Cytochemical localization of alkaline phosphatase and ouabain-sensitive K+-dependent p-nitrophenylphosphatase activities in brain capillaries of the newt. Franceschini V, et al. **Basic Appl Histochem** 1984; 28(3):281-9

Hybrid forms of phosphoglycerate mutase and 2,3-bisphosphoglycerate synthase-phosphatase. Pons G, et al. **Biochem Biophys Res Commun** 1985 Jun 28; 129(3):658-63

Distribution of glucose-1,6-bisphosphate and IMP-activated glucose bisphosphatase in brain and retina. Yip V, et al. **J Neurochem** 1985 Jun;44(6):1741-6

BLOOD

Two Ca2+-requiring p-nitrophenylphosphatase activities of the highly purified Ca2+-pumping adenosinetriphosphatase of human erythrocyte membranes, one requiring calmodulin and the other ATP. Verma AK, et al. **Biochemistry** 1984 Oct 9;23(21):5010-5

The p-nitrophenyl phosphatase activity of ubiquitin from bovine erythrocytes. Taniguchi N, et al. **Comp Biochem Physiol [B]** 1985;81(3):587-90

Effect of benzyl alcohol on adenosine triphosphatase, p-nitrophenylphosphatase and acetylcholinesterase in rat erythrocyte membrane. Tanaka R. **J Toxicol Sci** 1984 May; 9(2):109-16

GENETICS

Genetic markers in a Malaysian population: variants of uridine monophosphate kinase (UMPK), phosphoglycolate phosphatase (PGP) and pancreatic amylase (AMY2). Zarinah KH, et al. **Ann Hum Biol** 1984 Nov-Dec; 11(6):533-6

Evidence for a 'new' allele at the phosphoglycolate phosphatase locus. Henke J, et al. **Hum Genet** 1985;70(1):86

Genetic heterogeneity of delta-aminolevulinate dehydrase and phosphoglycolate phosphatase in north-west Spain. Caeiro B, et al. **Hum Hered** 1985;35(1):21-4

ISOLATION & PURIFICATION

Purification and properties of a quinone-dependent p-nitrophenylphosphatase from Clostridium sticklandii. Davis JN, et al. **Arch Biochem Biophys** 1985 Jun; 239(2):523-30

Isolation and characterization of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase from bovine liver. Kountz PD, et al. **Arch Biochem Biophys** 1985 May 1;238(2):531-43

Partial purification and properties of phosphatidate phosphatase in Saccharomyces cerevisiae. Hosaka K, et al. **Biochim Biophys Acta** 1984 Oct 24;796(1):102-9

Isolation of a phosphomonoesterase from human platelets that specifically hydrolyzes the 5-phosphate of inositol 1,4,5-trisphosphate. Connolly TM, et al. **J Biol Chem** 1985 Jul 5;260(13):7868-74

Brain dolichyl pyrophosphate phosphatase. Solubilization, characterization, and differentiation from dolichyl monophosphate phosphatase activity. Scher MG, et al. **J Biol Chem** 1984 Dec 10;259(23):14580-5

METABOLISM

Cytochemical study of K+-dependent p-nitrophenyl-phosphatase activity in the urinary bladder of Salamandra salamandra. de Piceis Polver P, et al. **Acta Histochem (Jena)** 1985;76(2):235-43

Maturation of the fetal lung II. Effect of hyperoxia on phosphatidic acid phosphatase, pyruvate kinase and superoxide dismutase activity in the newborn rat lung. Kerepesi T, et al. **Acta Paediatr Hung** 1984;25(3):247-54

Maturation of the fetal lung III. Effect of transplacental TRH and 2'-thiourea treatment on phosphatidic acid phosphatase and pyruvate kinase activity in rat lung. Kerepesi T, et al. **Acta Paediatr Hung** 1984;25(3):255-61

Redistribution of gastric K+-NPPase in vertebrate oxyntic cells in relation to hydrochloric acid secretion: a cytochemical study. Koenig CS. **Anat Rec** 1984 Dec; 210(4):583-96

Oviduct dolichyl phosphate phosphatase: estrogen effects and a possible biosynthetic role. DeRosa PA, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):537-45

Glycerolipid biosynthesis in rat adipose tissue 12. Properties of Mg2+-dependent and -independent phosphatidate phosphohydrolase. Jamdar SC, et al. **Arch Biochem Biophys** 1984 Sep;233(2):370-7

Demonstration of separate phosphotyrosyl- and phosphoseryl- histone phosphatase activities in the plasma membranes of a human astrocytoma. Leis JF, et al. **Arch Biochem Biophys** 1985 Jun;239(2):320-6

Characterization of a phosphatidylinositol 4-phosphate-specific phosphomonoesterase in rat liver nuclear envelopes. Smith CD, et al. **Arch Biochem Biophys** 1984 Dec;235(2):529-37

On the ouabain-sensitive potassium activated p-nitrophenyl phosphatase activity of vascular muscle plasma membranes. Kwan CY, et al. **Arch Int Pharmacodyn Ther** 1984 Dec; 272(2):245-55

Biochemical diagnosis of type 1b glycogen storage disease. Hawkins RA, et al. **Aust Paediatr J** 1984 Aug;20(3):217-20

Nitrophenylphosphatase activity in the kidney sac nephrocytes of Helix aspersa. Sanchez-Aguayo I, et al. **Basic Appl Histochem** 1984;28(3):233-44

Characterization of the exchange reactions of rat liver 6-phosphofructo 2-kinase/fructose 2,6-bisphosphatase. El-Maghrabi MR, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):749-56

Contribution of different protein phosphatases to the dephosphorylation of 6-phosphofructo-1-kinase and 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase in rat liver. Mieskes G, et al. **Biochem J** 1985 Feb 1; 225(3):665-70

Effects of cyclic AMP, glucocorticoids and insulin on the activities of phosphatidate phosphohydrolase, tyrosine aminotransferase and glycerol kinase in isolated rat hepatocytes in relation to the control of triacylglycerol synthesis and gluconeogenesis. Pittner RA, et al. **Biochem J** 1985 Jan 15;225(2):455-62

Subcellular localization and tissue distribution of sialic acid-forming enzymes. N-acetylneuraminate-9-phosphate synthase and N-acetylneuraminate 9-phosphatase. Van Rinsum J, et al. **Biochem J** 1984 Oct 15;223(2):323-8

Regulatory role of phosphatidate phosphatase in triacylglycerol synthesis of Saccharomyces cerevisiae. Hosaka K, et al. **Biochim Biophys Acta** 1984 Oct 24; 796(1):110-7

The role of Mg2+-dependent phosphatidate phosphohydrolase in pulmonary glycerolipid biosynthesis. Walton PA, et al. **Biochim Biophys Acta** 1984 Dec 6; 796(3):364-72

Ultracytochemical study of Ca++-ATPase and K+-NPPase activities in retinal photoreceptors of the guinea pig. Ueno S, et al. **Cell Tissue Res** 1984; 237(3):479-89

Phosphatidic acid phosphatase activity in subcellular fractions of normal and dystrophic human muscle. Kunze D, et al. **Clin Chim Acta** 1985 Mar 15;146(2-3):167-74

Metabolism of glycerate-2,3-P2--VII. Enzymes involved in the metabolism of glycerate-2,3-P2 in cat tissues. Pons G, et al. **Comp Biochem Physiol [B]** 1985;80(3):551-6

Hydrolytic enzymes in healthy and unhealthy periodontal tissue. Jány Z, et al. **Czech Med** 1984;7(4):238-47

Persistent activity modification of phosphatidate phosphohydrolase and fatty acyl-CoA synthetase on incubation of adipocytes with the tumour promoter 12-O-tetradecanoylphorbol 13-acetate. Hall M, et al. **FEBS Lett** 1985 Jan 7;179(2):351-4

Long-chain fatty acids and their acyl-CoA esters cause the translocation of phosphatidate phosphohydrolase from the cytosolic to the microsomal fraction of rat liver. Martin-Sanz P, et al. **FEBS Lett** 1984 Oct 1;175(2):284-8

Spermine promotes the translocation of phosphatidate phosphohydrolase from the cytosol to the microsomal fraction of rat liver and it enhances the effects of oleate in this respect. Martin-Sanz P, et al. **FEBS Lett** 1985 Jan 7;179(2):262-6

Localization of phosphatases in the rat parotid gland. Pavlíková D. **Histochem J** 1985 May;17(5):545-7

Cytochemical localization of ouabain-sensitive, K+-dependent p-nitrophenylphosphatase and Ca++-stimulated adenosine triphosphatase activities in human parotid and submandibular glands. Cossu M, et al. **Histochemistry** 1984,81(3):221-5

Acid phosphatase and phosphoamino acid phosphatases in murine erythroleukaemic cells. Hammond KD, et al. **Int J Biochem** 1985;17(2):259-64

Characterization of a membrane-regulated sugar phosphate phosphohydrolase from Lactobacillus casei. London J, et al. **J Bacteriol** 1985 Sep;163(3):951-6

Phosphatidate phosphatase in rat liver: the relationship between the activities with membrane-bound phosphatidate and aqueous dispersion of phosphatidate. Ide H, et al. **J Biochem (Tokyo)** 1985 Jan;97(1):45-54

Kinetic studies on degradation of nucleotides catalyzed by phosphodiesterase-phosphomonoesterase from Fusarium moniliforme. Yoshida H, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):971-6

Differential effects of proteolysis and protein modification on the activities of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. El-Maghrabi MR, et al. **J Biol Chem** 1984 Nov 10; 259(21):13096-103

The sugar phosphate specificity of rat hepatic 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. Pilkis SJ, et al. **J Biol Chem** 1985 Jun 25;260(12):7551-6

Hexose phosphate binding sites of fructose-6-phosphate,2-kinase:fructose-2,6-bisphosphatas Interaction with N-bromoacetylethanolamine phosphate and 3-bromo-1,4-dihydroxy-2-butanone 1,4-bisphosphate. Sakakibara R, et al. **J Biol Chem** 1984 Nov 25; 259(22):14023-8

Properties of phosphoglyceromutase from rabbit masseters--comparisons with some properties of 2,3-bisphosphoglycerate phosphate. Maeno M, et al. **J Nihon Univ Sch Dent** 1984 Jun;26(2):97-108

Phosphotyrosine and phosphoprotein phosphatase activity of alkaline phosphatase in mineralizing cartilage. Burch WM, et al. **Metabolism** 1985 Feb;34(2):169-75

Dolichyl pyrophosphate phosphatase in brain. Scher MG, et al. **Methods Enzymol** 1985;111:547-53

Dolichol kinase, phosphatase, and esterase activity in calf brain. Sumbilla C, et al. **Methods Enzymol** 1985;111:471-82

Glycogen content and fructose-1, 6-biphosphatase activity

NEWARK PUBLIC LIBRARY

in methionine sulfoximine epileptogenic mouse brain and liver after protein synthesis inhibition. Hevor TK, et al. **Neuropathol Appl Neurobiol** 1985 Mar-Apr;11(2):129-39

[Activity of guanosine diphosphatase and guanosine triphosphatase in the rat brain and liver under radiation injury] Savitskii. **Ukr Biokhim Zh** 1985 Mar-Apr;57(2):73-6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Enzymatic synthesis of sarin and soman. Sun MC, et al. **Biochem Pharmacol** 1985 May 15;34(10):1843-5

PHYSIOLOGY

Glycerol formation after the breaking of dormancy of Phycomyces blakesleeanus spores. Role of an interconvertible glycerol-3-phosphatase. van Schaftingen E, et al. **Eur J Biochem** 1985 Apr 15;148(2):399-404

PHOSPHONIC ACIDS

In the search for new anticancer drugs. 13. Phosphonic and phosphinic analogues of ornithine. Sosnovsky G, et al. **J Med Chem** 1985 Sep;28(9):1350-4

PHARMACODYNAMICS

Effect of phosphonic analogues of glutamic acid on glutamate decarboxylase. Lacoste AM, et al. **Experientia** 1985 May 15;41(5):643-4

[Quaternary phosphonic salts as reversible cholinesterase inhibitors] Brestkin AP, et al. **Dokl Akad Nauk SSSR** 1984; 277(3):735-7 **(Rus)**

[The influence of diphosphonic analogues of inorganic pyrophosphate on activity of RNA-polymerases from the calf thymus.] Komissarenko SV, et al. **Ukr Biokhim Zh** 1985 Mar-Apr;57(2):56-62 (Eng. Abstr.) **(Rus)**

[The influence of diphosphonic analogues of inorganic pyrophosphate on reactions catalyzed by DNA-dependent RNA-polymerase II.] Komissarenko SV, et al. **Ukr Biokhim Zh** 1985 Mar-Apr;57(2):62-6 (Eng. Abstr.) **(Rus)**

PHOSPHONOACETIC ACID see under **ORGANOPHOSPHORUS COMPOUNDS**

PHOSPHOPEPTIDES

Detection and identification of substrates for protein kinases: use of proteins and synthetic peptides. Engström L, et al. **Methods Enzymol** 1984;107:130-54

ANALYSIS

Constitutively phosphorylated residues in the NS protein of vesicular stomatitis virus. Hsu CH, et al. **J Biol Chem** 1985 Jul 25;260(15):8990-5

ISOLATION & PURIFICATION

Isolation and characterization of I5B2, a new phosphorus containing inhibitor of angiotensin I converting enzyme produced by Actinomadura sp. Kido Y, et al. **J Antibiot (Tokyo)** 1984 Sep;37(9):965-9

Isolation and sequence of a tryptic peptide containing the autophosphorylation site of the regulatory subunit of bovine brain protein kinase II. Stein JC, et al. **J Biol Chem** 1985 Sep 15;260(20):10991-5

Separation of tryptic phosphopeptides of ribosomal origin by reversed-phase high-performance liquid chromatography. Wettenhall RE, et al. **J Chromatogr** 1984 Dec 7;336(1):51-61

METABOLISM

Repressible acid phosphatase from yeast efficiently dephosphorylates in vitro some phosphorylated proteins and peptides. Pavlovic B, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):350-7

The role of the phosphate group for the structure of phosphopeptide products of adenosine 3',5'-cyclic monophosphate-dependent protein kinase. Hider RC, et al. **Biochem J** 1985 Jul 15;229(2):485-9

PHOSPHOPROTEIN PHOSPHATASES

ANALYSIS

Calmodulin-binding proteins: visualization by 125I-calmodulin overlay on blots quenched with Tween 20 or bovine serum albumin and poly(ethylene oxide). Flanagan SD, et al. **Anal Biochem** 1984 Aug 1;140(2):510-9

Detection of caldesmon in muscle and non-muscle tissues of the chicken using polyclonal antibodies. Ngai PK, et al. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):533-9

Assay of insulin mediator activity with soluble pyruvate dehydrogenase phosphatase. Newman JD, et al. **Endocrinology** 1985 May;116(5):1912-9

Bone cell phosphotyrosine phosphatase: characterization and regulation by calcitropic hormones. Puzas JE, et al. **Endocrinology** 1985 Jun;116(6):2463-8

Phosphorylase phosphatase regulatory subunit. 'Western' blotting with immunoglobulins against inhibitor-2 reveals a protein of Mr = 60,000. Gruppuso PA, et al. **J Biol Chem** 1985 Apr 10;260(7):4288-94

Demonstration of different metal ion-induced calcineurin conformations using a monoclonal antibody. Matsui H, et al. **J Biol Chem** 1985 Apr 10;260(7):4174-9

Identification and characterization of calmodulin-binding proteins in islet secretion granules. Watkins D, et al. **J Biol Chem** 1985 Apr 25;260(8):5161-5

Calmodulin, a calmodulin acceptor protein, and calcimedins: unique antibody localizations in hamster sperm. Moore PB, et al. **J Cell Biochem** 1984;25(2):99-107

ANTAGONISTS & INHIBITORS

The presence of two heat-stable inhibitors of phosphoprotein phosphatases in the dimorphic fungus, Mucor rouxii. Seigelchifer MA, et al. **Arch Biochem Biophys** 1985 Apr; 238(1):353-7

Regulatory subunit of cAMP-dependent protein kinase inhibits phosphoprotein phosphatase. Khatra BS, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):567-73

Amino acid sequence at the site on protein phosphatase inhibitor-2, phosphorylated by glycogen synthase kinase-3. Aitken A, et al. **Biochim Biophys Acta** 1984 Nov 9; 790(3):288-91

Effects of acidic and basic macromolecules on the activity of protein phosphatase-1. Erdödi F, et al. **Biochim Biophys Acta** 1985 Jan 21;827(1):23-9

Phosphoprotein phosphatase inhibitor-2. Identification as a species of molecular weight 31,000 in rabbit muscle, liver, and other tissues. Roach P, et al. **J Biol Chem** 1985 May 25;260(10):6314-7

BLOOD

Specific cleavage of calmodulin-binding proteins by low Ca2+-requiring form of Ca2+-activated neutral protease in human platelets. Kosaki G, et al. **Biochem Int** 1983 Jun; 6(6):767-75

Ontogenetic changes in protein dephosphorylating activity of the cytosolic compartment of rat erythrocytes. Japundžić I, et al. **Biochimie** 1984 Jun;66(6):497-504

Phosphorylation-dephosphorylation of membrane proteins of human erythrocytes. Moret V. **Ital J Biochem** 1984 Jul-Aug;33(4):233A-237A

Characterization of a calmodulin-dependent protein phosphatase from human platelets. Tallant EA, et al. **J Biol Chem** 1985 Jun 25;260(12):7744-51

ISOLATION & PURIFICATION

Separation of rabbit liver latent and spontaneously active phosphorylase phosphatases by chromatography on heparin-sepharose. Erdödi F, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):705-12

Isolation of S-100 binding proteins from brain by affinity chromatography. Gopalakrishna R, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1118-24

Characterization of low-molecular-weight acid phosphoprotein phosphatase associated with rat splenic cell nucleoli. Mimić-Oka J, et al. **Biochem Med** 1984 Aug; 32(1):88-98

The protein phosphatases involved in cellular regulation. Purification and characterisation of the glycogen-bound form of protein phosphatase-1 from rabbit skeletal muscle. Strålfors P, et al. **Eur J Biochem** 1985 Jun 3;149(2):295-303

The protein phosphatases involved in cellular regulation. 2. Purification, subunit structure and properties of protein phosphatases-2A0, 2A1, and 2A2 from rabbit skeletal muscle. Tung HY, et al. **Eur J Biochem** 1985 Apr 15; 148(2):253-63

Purification of protein phosphatase from hen oviduct. Kanayama K, et al. **FEBS Lett** 1985 May 6;184(1):78-81

A simple and rapid method to remove light chain phosphatase from chicken gizzard myosin. Nakamura S, et al. **J Biochem (Tokyo)** 1984 Aug;96(2):575-8

Smooth muscle caldesmon. Rapid purification and F-actin cross-linking properties. Bretscher A. **J Biol Chem** 1984 Oct 25;259(20):12873-80

Activation of acetyl-CoA carboxylase. Purification and properties of a Mn2+-dependent phosphatase. Thampy KG, et al. **J Biol Chem** 1985 May 25;260(10):6318-23

Purification and distribution of a novel macrophage-specific calmodulin-binding glycoprotein. Orlow SJ, et al. **J Immunol** 1985 Jan;134(1):449-56

Phosphotyrosine phosphatase activity in human placenta. Sako F, et al. **Jpn J Exp Med** 1985 Feb;55(1):21-7

Purification and characterization of caldesmon77: a calmodulin-binding protein that interacts with actin filaments from bovine adrenal medulla. Sobue K, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(15):5025-9

METABOLISM

Colonic glycoprotein secretion and calmodulin-acceptor proteins in the reserpine-treated rat. Brady RC, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):G54-60

A major phosphotyrosyl-protein phosphatase from bovine heart is associated with a low-molecular-weight acid phosphatase. Chernoff J, et al. **Arch Biochem Biophys** 1985 Jul;240(1):135-45

Identification and partial characterization of bovine heart cytosolic phosphorylase phosphatases. Dickey-Dunkirk S, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):232-42

Demonstration of separate phosphotyrosyl- and phosphoseryl- histone phosphatase activities in the plasma membranes of a human astrocytoma. Leis JF, et al. **Arch Biochem Biophys** 1985 Jun;239(2):320-6

Insulin mediator causes dephosphorylation of the alpha subunit of pyruvate dehydrogenase by stimulating phosphatase activity. Macaulay SL, et al. **Arch Biochem Biophys** 1985 Feb 15;237(1):142-50

A multifunctional calmodulin-stimulated phosphatase. Pallen CJ, et al. **Arch Biochem Biophys** 1985 Mar;237(2):281-91 (42 ref.)

Stimulation of pyruvate dehydrogenase phosphatase activity by polyamines. Damuni Z, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):95-9

The control of phosphorylase kinase phosphatase activity by polycations and the deinhibitor protein. Goris J, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):293-8

Effect of insulin on association of acetyl CoA carboxylase phosphatase and acetyl CoA carboxylase. Krakower GR, et al. **Biochem Biophys Res Commun** 1985 Jul 31; 130(2):814-20

Activation of bovine heart ATP-MG2+-dependent phosphoprotein phosphatase: isolation of a phosphoenzyme intermediate and its conversion to the active form via a Mg2+-dependent autodephosphorylation reaction. Price DJ, et al. **Biochem Biophys Res Commun** 1985 May 16; 128(3):1203-10

Identification of protein phosphatases dephosphorylating mRNP proteins from cryptobiotic gastrulae of the brine shrimp A. salina. Thoen C, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):84-90

Protein phosphatases active on acetyl-CoA carboxylase phosphorylated by casein kinase I, casein kinase II and the cAMP-dependent protein kinase. Witters LA, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1132-8

Occurrence of an ecto-phosphoprotein phosphatase in goat epididymal spermatozoa. Barua M, et al. **Biochem Int** 1985 May;10(5):733-41

Contribution of different protein phosphatases to the dephosphorylation of 6-phosphofructo-1-kinase and 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase in rat liver. Mieskes G, et al. **Biochem J** 1985 Feb 1; 225(3):665-70

Cardiac sarcoplasmic-reticulum calmodulin-binding proteins. Modulation of calmodulin binding to phospholamban by phosphorylation. Molla A, et al. **Biochem J** 1985 Mar 15;226(3):859-65

Platelet secretion defect associated with impaired liberation of arachidonic acid and normal myosin light chain phosphorylation. Rao AK, et al. **Blood** 1984 Oct; 64(4):914-21

Immunocytochemical demonstration of caldesmon and actin in thyroid glands of rats. Fujita H, et al. **Cell Tissue Res** 1984;237(2):375-7

Ca2+-dependent phosphatase and Ca2+-dependent ATPase activities in plasma membranes of eel gill epithelium--III. Stimulation of branchial high-affinity Ca2+-ATPase activity during prolactin-induced hypercalcemia in American eels. Flik G, et al. **Comp Biochem Physiol [B]** 1984;79(4):521-4

The protein phosphatases involved in cellular regulation. Antibody to protein phosphatase-2A as a probe of phosphatase structure and function. Alemany S, et al. **Eur J Biochem** 1984 Nov 15;145(1):51-6

The nature of the decreased activity of glycogen synthase phosphatase in the liver of the adrenalectomized starved rat. Bollen M, et al. **Eur J Biochem** 1984 Oct 1;144(1):57-63

Insulin-induced increases in the activity of the spontaneously active and ATP.Mg-dependent forms of phosphatase-1 in alloxan-diabetic rat liver. Dragland-Meserve CJ, et al. **Eur J Biochem** 1985 Feb 1;146(3):699-704

Activation of brain calcineurin towards proteins containing Thr(P) and Ser(P) by Ca2+, calmodulin, Mg2+ and transition metal ions. Li HC, et al. **Eur J Biochem** 1984 Nov 2;144(3):447-52

The protein phosphatases involved in cellular regulation. Glycolysis, gluconeogenesis and aromatic amino acid breakdown in rat liver. Pelech S, et al. **Eur J Biochem** 1984 Nov 15;145(1):39-49

The protein phosphatases involved in cellular regulation. Identification of the inhibitor-2 phosphatases in rabbit skeletal muscle. Tonks NK, et al. **Eur J Biochem** 1984 Nov 15;145(1):65-70

The protein phosphatases involved in cellular regulation. Influence of polyamines on the activities of protein phosphatase-1 and protein phosphatase-2A. Tung HY, et al. **Eur J Biochem** 1985 Jun 3;149(2):305-13

The protein phosphatases involved in cellular regulation. Comparison of native and reconstituted Mg-ATP-dependent protein phosphatases from rabbit skeletal muscle. Tung HY, et al. **Eur J Biochem** 1984 Nov 15;145(1):57-64

Studies on calmodulin-binding proteins (CaMBPs) in the cilia of Tetrahymena. Hirano J, et al. **Exp Cell Res** 1985 Apr; 157(2):441-50

Dephosphorylation of the deinhibitor protein by the PCSH protein phosphatase. Goris J, et al. **FEBS Lett** 1985 Sep 2;188(2):262-6

On the 6-phosphofructo-1-kinase phosphatase activity of protein phosphatase 2C and its dimeric nature. Mieskes G, et al. **FEBS Lett** 1985 Feb 11;181(1):7-11

Crosslinking of actin filaments is caused by caldesmon aggregates, but not by its dimers. Sobue K, et al. **FEBS Lett** 1985 Mar 11;182(1):201-4

Regulin, a cytoskeleton-associated protein affecting phosphorylation-dephosphorylation. Kramer G, et al. **Hamatol Bluttransfus** 1985;29:302-5

Streptococcal phosphoenolpyruvate: sugar phosphotransferase system: purification and characterization of a phosphoprotein phosphatase which hydrolyzes the phosphoryl bond in seryl-phosphorylated histidine-containing protein. Deutscher J, et al. **J Bacteriol** 1985 Sep;163(3):1203-9

Characterization of nuclear phosphoprotein phosphatases from goat testis. Bhattacharyya U, et al. **J Biochem (Tokyo)** 1984 Oct;96(4):1117-24

Calcium-dependent interaction of actin filaments with actin binding protein in the presence of calmodulin and caldesmon. Maruyama K, et al. **J Biochem (Tokyo)** 1985 May;97(5):1517-20

Phosphorylase phosphatase catalytic subunit. Evidence that the Mr = 33,000 enzyme fragment is derived from a native protein of Mr = 70,000. Brautigan DL, et al. **J Biol Chem** 1985 Apr 10;260(7):4295-302

P-57 is a neural specific calmodulin-binding protein. Cimler BM, et al. **J Biol Chem** 1985 Sep 5;260(19):10784-8

The 110,000-dalton actin- and calmodulin-binding protein from intestinal brush border is a myosin-like ATPase. Collins JH, et al. **J Biol Chem** 1984 Nov 25; 259(22):14128-35

Synergistic phosphorylation and activation of ATP-Mg-dependent phosphoprotein phosphatase by F A/GSK-3 and casein kinase II (PC0.7). DePaoli-Roach AA. **J Biol Chem** 1984 Oct 10;259(19):12144-52

Dephosphorylation of myosin by the catalytic subunit of a type-2 phosphatase produces relaxation of chemically skinned uterine smooth muscle. Haeberle JR, et al. **J Biol Chem** 1985 Aug 25;260(18):9965-8

Azidotyrosylcalmodulin derivatives. Specific probes for protein-binding domains. Klevit RE, et al. **J Biol Chem** 1984 Dec 25;259(24):15414-24

Regulation of calcium transport by protein phosphatase activity associated with cardiac sarcoplasmic reticulum. Kranias EG. **J Biol Chem** 1985 Sep 15;260(20):11006-10

On the mechanism of regulation of type I phosphoprotein phosphatase from bovine heart. Regulation by a novel intracyclic activation-deactivation mechanism via transient phosphorylation of the regulatory subunit by phosphatase-1 kinase (FA). Li HC, et al. **J Biol Chem** 1985 May 25;260(10):6416-26

Bovine brain calmodulin-dependent protein phosphatase. Regulation of subunit A activity by calmodulin and subunit B. Merat DL, et al. **J Biol Chem** 1985 Sep 15; 260(20):11053-9

Insulin regulation of glycogen synthase phosphatase in primary cultures of hepatocytes. Miller TB Jr, et al. **J Biol Chem** 1984 Oct 25;259(20):12470-4

Energy consumption in a cyclic phosphorylation/dephosphorylation cascade. Shacter E, et al. **J Biol Chem** 1984 Oct 10;259(19):12260-4

Specificity of protein phosphotyrosine phosphatases. Comparison with mammalian alkaline phosphatase using polypeptide substrates. Sparks JW, et al. **J Biol Chem** 1985 Feb 25;260(4):2042-5

Kinase FA-mediated regulation of rabbit skeletal muscle protein phosphatase. Reversible phosphorylation of the modulator subunit. Vandenheede JR, et al. **J Biol Chem** 1985 Sep 5;260(19):10512-6

The divalent cation dependence of bovine brain calmodulin-dependent phosphatase. Wolff DJ, et al. **J Biol Chem** 1985 Apr 10;260(7):4195-202

Identification and localization of immunoreactive forms of caldesmon in smooth and nonmuscle cells: a comparison with the distributions of tropomyosin and alpha-actinin. Bretscher A, et al. **J Cell Biol** 1985 May;100(5):1656-63

Calcium-dependent association of a protein complex with the lymphocyte plasma membrane: probable identity with calmodulin-calcineurin. Chantler PD. **J Cell Biol** 1985 Jul; 101(1):207-16

In vitro activation of the pyruvate dehydrogenase complex in human muscle by a broad specificity protein phosphatase. Toshima K, et al. **J Inherited Metab Dis** 1984;7(3):143-4

Calcium-dependent calmodulin binding to chromaffin granule membranes: presence of a 65-kilodalton calmodulin-binding protein. Bader MF, et al. **J Neurochem** 1985 Feb;44(2):526-39

Dephosphorylation of microtubule-associated protein 2, tau factor, and tubulin by calcineurin. Goto S, et al. **J Neurochem** 1985 Jul;45(1):276-83

Identification of endogenous calmodulin-dependent kinase and calmodulin-binding proteins in cold-stable microtubule preparations from rat brain. Larson RE, et al. **J Neurochem** 1985 May;44(5):1566-74

Effect of prolonged starvation on glycogen synthase and glycogen synthase phosphatase activity in rat heart. Gannon MC, et al. **J Nutr** 1984 Nov;114(11):2147-54

Effect of insulin administration on cardiac glycogen synthase and synthase phosphatase activity in rats fed diets high in protein, fat or carbohydrate. Gannon MC, et al. **J Nutr** 1985 Feb;115(2):243-51

Age-dependent changes of nuclear envelope protein phosphokinase and protein phosphatase activities. Significance for altered nucleo-cytoplasmic mRNA translocation during development. Schröder HC, et al. **Mech Ageing Dev** 1984 Sep;27(1):87-95

Phosphotyrosine and phosphoprotein phosphatase activity of alkaline phosphatase in mineralizing cartilage. Burch WM, et al. **Metabolism** 1985 Feb;34(2):169-75

Protein (serine and threonine) phosphate phosphatases. Shenolikar S, et al. **Methods Enzymol** 1984;107:102-29

Multiple forms of synthase D phosphatase and phosphorylase a phosphatase in liver and regulatory effects of metabolites on their activities. Newman JD, et al. **Mol Cell Biochem** 1985 Mar;66(2):151-62

Glucose stimulation of heart phosphorylase phosphatase activity in vitro and in vivo. Nuttall FQ, et al. **Mol Cell Biochem** 1984 Aug;63(1):75-81

Stoichiometric methylation of calcineurin by protein carboxyl O-methyltransferase and its effects on calmodulin-stimulated phosphatase activity. Billingsley ML, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5612-6

Differential regulation of bovine brain calmodulin-dependent cyclic nucleotide phosphodiesterase isoenzymes by cyclic AMP-dependent protein kinase and calmodulin-dependent phosphatase. Sharma RK, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2603-7

Phosphatase-mediated modulation of actin-myosin interaction in bovine aortic actomyosin and skinned porcine carotid artery. Bialojan C, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):36-45

[Protein phosphatases] Takeda M, et al. **Seikagaku** 1985 Feb; 57(2):120-6 (64 ref.) **(Jpn)**

PHARMACODYNAMICS

Polymerization of G-actin by caldesmon. Galazkiewicz B, et al. **FEBS Lett** 1985 May 6;184(1):144-9

Myosin light chain phosphatase. Effect on the activation and relaxation of gizzard smooth muscle skinned fibers. Hoar PE, et al. **J Biol Chem** 1985 Jul 25;260(15):8760-4

Inhibition of smooth muscle actin-activated myosin Mg2+-ATPase activity by caldesmon. Ngai PK, et al. **J Biol Chem** 1984 Nov 25;259(22):13656-9

PHYSIOLOGY

The protein phosphatases involved in cellular regulation. 1. Modulation of protein phosphatases-1 and 2A by histone H1, protamine, polylysine and heparin. Pelech S, et al. **Eur J Biochem** 1985 Apr 15;148(2):245-51

Intracellular regulators of neuronal sprouting: calmodulin-binding proteins of nerve growth cones. Hyman C, et al. **J Cell Biol** 1985 Sep;101(3):1153-60

RADIATION EFFECTS

[Effect of ionizing radiation on the properties of rat liver phosphoprotein phosphatase] Vinogradova RP, et al. **Radiobiologiia** 1985 May-Jun;25(3):399-402 (Eng. Abstr.) **(Rus)**

PHOSPHOPROTEIN PHOSPHOHYDROLASES see **PHOSPHOPROTEIN PHOSPHATASES**

PHOSPHOPROTEINS

ANALYSIS

Topographical distributions of 32K and 48K cAMP-regulated phosphoproteins: relationships to dopamine and serotonin innervations in striatum, substantia nigra and cerebral cortex. Lemos JR, et al. **Brain Res** 1984 Dec 3;323(1):47-54

A phosphoglycoprotein associated with taxol resistance in J774.2 cells. Roy SN, et al. **Cancer Res** 1985 Aug; 45(8):3856-63

Occurrence of cytosolic protein and phosphoprotein changes in human colon tumor cells with the development of resistance to mitomycin C. Taylor CW, et al. **Cancer Res** 1985 Sep;45(9):4422-7

Phospholipid- and Ca2+-dependent protein kinase activity and protein phosphorylation patterns in the differentiation of human promyelocytic leukemia cell line HL-60. Zylber-Katz E, et al. **Cancer Res** 1985 Oct;45(10):5159-64

Matrix macromolecules of bone and dentin. Butler WT. **Coll Relat Res** 1984 Aug;4(4):297-307

Phosphorus-31 NMR as a probe for phosphoproteins. James TL. **CRC Crit Rev Biochem** 1985;18(1):1-30 (77 ref.)

Activation of the pp60c-src kinase by middle T antigen binding or by dephosphorylation. Courtneidge SA. **EMBO J** 1985 Jun;4(6):1471-7

Changes in phosphoprotein pattern in Schizosaccharomyces pombe. Querengesser LD, et al. **Exp Cell Res** 1985 Aug; 159(2):495-509

Subcellular location of stimulus-affected endogenous phosphoproteins in the rat parotid gland. Spearman TN, et al. **J Cell Biol** 1984 Oct;99(4 Pt 1):1354-63

Topography of protein kinases and phosphoproteins in the plasma membrane of 3T3 cells. Boman BM, et al. **J Cell Physiol** 1984 Nov;121(2):357-67

Phosphopeptide fingerprints of nucleoproteins of various influenza A virus strains grown in different host cells. Kistner O, et al. **J Gen Virol** 1985 Mar;66 (Pt 3):465-72

Neuron-specific phosphoproteins as biochemical indicators of neurotoxicity: effects of acute administration of trimethyltin to the adult rat. O'Callaghan JP, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):736-43

Immunological responsiveness against tumors induced by avian sarcoma virus: reduced expression of pp60src kinase activity in regressing tumors. Poulin L, et al. **J Virol** 1985 Mar;53(3):800-6

Phosphorus-31 nuclear magnetic resonance studies of phosphorylated proteins. Brauer M, et al. **Methods Enzymol** 1984;107:36-81

Techniques in the detection and characterization of phosphoramidate-containing proteins. Fujitaki JM, et al. **Methods Enzymol** 1984;107:23-36

Chemical properties, isolation, and analysis of O-phosphates in proteins. Martensen TM. **Methods Enzymol** 1984; 107:3-23

BIOSYNTHESIS

pp60c-src is expressed in human fetal and adult brain. Sorge JP, et al. **Am J Pathol** 1985 Apr;119(1):151-7

The biosynthesis of dentin phosphophoryns by rat incisor odontoblasts in organ culture. DiMuzio MT, et al. **Calcif Tissue Int** 1985 May;37(3):242-9

Protein phosphorylation in anti-actin IgG and [(IgG)2protein A]2 complex-stimulated L cells. Shearer WT, et al. **Cell Immunol** 1984 Nov;89(1):55-65

The role of protein phosphorylation in the hormonal control of enzyme activity. Cohen P. **Eur J Biochem** 1985 Sep 16; 151(3):439-48 (68 ref.)

Protein phosphorylation in the archaebacterium Sulfolobus acidocaldarius. Skórko R. **Eur J Biochem** 1984 Dec 17; 145(3):617-22

Mechanism of interferon action. The interferon-induced phosphoprotein P1 possesses a double-stranded RNA-dependent ATP-binding site. Bischoff JR, et al. **J Biol Chem** 1985 Jul 15;260(14):8237-9

Appearance of 170,000 dalton phosphoprotein in rat cells transformed by the adenovirus E1A gene. Akiyama T, et al. **Med Biol** 1984;62(5):295-8

Overproduction of p53 antigen makes established cells highly tumorigenic. Eliyahu D, et al. **Nature** 1985 Jul 11-17; 316(6024):158-60

c-myc oncogene protein synthesis is independent of the cell cycle in human and avian cells. Hann SR, et al. **Nature** 1985 Mar 28-Apr 3;314(6009):366-9

Monoclonal antibodies to an interferon-induced Mr 68,000 protein and their use for the detection of double-stranded RNA-dependent protein kinase in human cells. Laurent AG, et al. **Proc Natl Acad Sci USA** 1985 Jul;82(13):4341-5

BLOOD

Phosphorylation of glycophorin A in membranes of intact human erythrocytes. Dzandu JK, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):878-84

Distribution of platelet glycoproteins and phosphoproteins in hydrophobic and hydrophilic phases in Triton X-114 phase partition. Clemetson KJ, et al. **Biochim Biophys Acta** 1984 Dec 19;778(3):463-9

Possible involvement of two proteins (phosphoprotein and CD9 (p24)) in regulation of platelet calcium fluxes. Enouf J, et al. **FEBS Lett** 1985 Apr 22;183(2):398-402

[Electrophoretic detection of protein p53 in human leukocytes] Paponov VD, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):188-91 (Eng. Abstr.) **(Rus)**

GENETICS

The use of monoclonal antibodies for selection of a low-abundance mRNA: p53. Benchimol S, et al. **Biochem Soc Trans** 1984 Aug;12(4):708-11

Modifications in the phosphorylation of cell proteins related to the expression of src gene in chicken embryo fibroblasts. Perrot D, et al. **Biol Cell** 1984;52(3):219-30

Analysis of the gene coding for the murine cellular tumour antigen p53. Bienz B, et al. **EMBO J** 1984 Sep;3(9):2179-83

Isolation and characterization of a human p53 cDNA clone: expression of the human p53 gene. Matlashewski G, et al. **EMBO J** 1984 Dec 20;3(13):3257-62

Elevated expression of the cellular src gene in tumors of differing etiologies in Xiphophorus. Schartl M, et al. **Int J Cancer** 1985 Aug 15;36(2):199-207

Nucleotide sequence of the respiratory syncytial virus phosphoprotein gene. Lambden PR. **J Gen Virol** 1985 Jul; 66 (Pt 7):1607-12

Measles virus P gene codes for two proteins. Bellini WJ, et al. **J Virol** 1985 Mar;53(3):908-19

Sequence analysis of the respiratory syncytial virus phosphoprotein gene. Satake M, et al. **J Virol** 1984 Dec; 52(3):991-4

Human cellular src gene: nucleotide sequence and derived amino acid sequence of the region coding for the carboxy-terminal two-thirds of pp60c-src. Anderson SK, et al. **Mol Cell Biol** 1985 May;5(5):1122-9

The gene and the pseudogene for mouse p53 cellular tumor antigen are located on different chromosomes. Czosnek HH, et al. **Mol Cell Biol** 1984 Aug;4(8):1638-40

Activation of the c-abl oncogene by viral transduction or chromosomal translocation generates altered c-abl proteins with similar in vitro kinase properties. Davis RL, et al. **Mol Cell Biol** 1985 Jan;5(1):204-13

Molecular cloning and in vitro expression of a cDNA clone for human cellular tumor antigen p53. Harlow E, et al. **Mol Cell Biol** 1985 Jul;5(7):1601-10

Abundant constitutive expression of the immediate-early 94K protein from cytomegalovirus (Colburn) in a DNA-transfected mouse cell line. Jeang KT, et al. **Mol Cell Biol** 1984 Oct;4(10):2214-23

Isolation of duplicated human c-src genes located on chromosomes 1 and 20. Parker RC, et al. **Mol Cell Biol** 1985 Apr;5(4):831-8

Expression of the mouse p53 cellular tumor antigen in monkey cells. Pinhasi O, et al. **Mol Cell Biol** 1984 Oct; 4(10):2180-6

Preferential expression of the c-fps protein in chicken macrophages and granulocytic cells. Samarut J, et al. **Mol Cell Biol** 1985 May;5(5):1067-72

Inactivation of p53 gene expression by an insertion of Moloney murine leukemia virus-like DNA sequences. Wolf D, et al. **Mol Cell Biol** 1984 Jul;4(7):1402-10

Participation of p53 cellular tumour antigen in transformation of normal embryonic cells. Eliyahu D, et al. **Nature** 1984 Dec 13-19;312(5995):646-9

Cellular immortalization by a cDNA clone encoding the transformation-associated phosphoprotein p53. Jenkins JR, et al. **Nature** 1984 Dec 13-19;312(5995):651-4

Cell immortalization and transformation by the p53 gene [news] Lane DP. **Nature** 1984 Dec 13-19;312(5995):596-7

Cooperation between gene encoding p53 tumour antigen and ras in cellular transformation. Parada LF, et al. **Nature** 1984 Dec 13-19;312(5995):649-51

Amplification and enhanced expression of the c-myc oncogene in mouse SEWA tumour cells. Schwab M, et al. **Nature** 1985 May 23-29;315(6017):345-7

The protein encoded by the human proto-oncogene c-myc. Ramsay G, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(24):7742-6

Major deletions in the gene encoding the p53 tumor antigen cause lack of p53 expression in HL-60 cells. Wolf D, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(3):790-4

Transformation associated p53 protein is encoded by a gene on human chromosome 17. Benchimol S, et al. **Somatic Cell Mol Genet** 1985 Sep;11(5):505-10

[Changes in the gene of the cellular T-antigen (p53) in human tumors] Ninkina NN, et al. **Dokl Akad Nauk SSSR** 1985; 281(4):958-60 **(Rus)**

IMMUNOLOGY

Monoclonal antibodies to a phosphoprotein from chromatin of rat liver. Halikowski MJ, et al. **Biochem J** 1985 Jan 15; 225(2):357-63

Precise epitope mapping of the murine transformation-associated protein, p53. Wade-Evans A, et al. **EMBO J** 1985 Mar;4(3):699-706

Monoclonal antibodies specific for a tumor-associated membrane phosphoprotein in human cell hybrids. Bicknell DC, et al. **Hybridoma** 1985 Summer;4(2):143-52

ISOLATION & PURIFICATION

Biphasic increase in the in vivo phosphorylation of nuclear 110-kDa protein during early lymphocyte transformation. Kostka G, et al. **Eur J Biochem** 1985 May 2;148(3):437-40

Isolation from the microsomal fraction of rat liver of a subfraction highly enriched in uncoated endocytic vesicles with high H+-ATPase activity and a 50 kDa phosphoprotein. Flatmark T, et al. **FEBS Lett** 1985 Sep 2;188(2):273-80

Changes in protein phosphorylation during the cell cycle of Chinese hamster ovary cells. Westwood JT, et al. **J Biol Chem** 1985 Aug 25;260(18):10308-13

Resolution of rat brain synaptic phosphoprotein B-50 into multiple forms by two-dimensional electrophoresis: evidence for multisite phosphorylation. Zwiers H, et al. **J Neurochem** 1985 Apr;44(4):1083-90

Identification of multiple forms of the noncapsid parvovirus protein NCVP1 in H-1 parvovirus-infected cells. Paradiso PR. **J Virol** 1984 Oct;52(1):82-7

DNA-binding proteins present in varicella-zoster virus-infected cells. Roberts CR, et al. **J Virol** 1985 Jul; 55(1):45-53

Partial purification and characterization of a pp60v-src-related tyrosine kinase from bovine brain. Neer EJ, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6025-9

METABOLISM

Phosphorylation of ribosomal proteins during differentiation of Saccharomyces cerevisiae. Szyszka R, et al. **Acta Biochim Pol** 1984;31(4):375-82

Effect of influenza virus on protein phosphorylation in isolated membranes of chick embryo cells. Križanová O, et al. **Acta Virol (Praha)** 1985 Jan;29(1):1-10

Phosphorylation of prostatic nuclear matrix proteins is under androgenic control. Goueli SA, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):646-50

The nuclear-bound form of the progesterone receptor is generated through a hormone-dependent phosphorylation. Logeat F, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):421-7

Characterization of a protein kinase-substrate complex precipitable with Ca2+ from the cytosol fraction of AH-66 hepatoma cells. Nakajo S, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):251-7

Repressible acid phosphatase from yeast efficiently dephosphorylates in vitro some phosphorylated proteins and peptides. Pavlovic B, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):350-7

Phospholipid methyltransferase phosphorylation by intact hepatocytes: effect of glucagon. Varela I, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):477-83

Aflatoxin B1 alters protein phosphorylation in rat livers. Viviers J, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):342-9

Basal phosphorylation of cyclic AMP-regulated phosphoproteins in intact S49 mouse lymphoma cells. Steinberg RA, et al. **Biochem J** 1985 May 1;227(3):987-94

Regulation of protein phosphorylation by polyamines in hepatocytes. Auberger P, et al. **Biochim Biophys Acta** 1984 Oct 16;801(3):461-9

Evidence that high mobility group protein 17 is not phosphorylated in human colon carcinoma cells. Chapekar MS, et al. **Biochim Biophys Acta** 1985 Mar 8;838(3):351-4

Phosphorylation of lens membranes with a cyclic AMP-dependent protein kinase purified from the bovine lens. Johnson KR, et al. **Biochim Biophys Acta** 1985 Mar 21;844(3):367-76

Casein kinases and their protein substrates in rat liver cytosol: evidence for their participation in multimolecular systems. Meggio F, et al. **Biochim Biophys Acta** 1985 Aug 30; 846(2):248-56

Characterization of (Ca2+ + Mg2+) adenosine triphosphatase activity and calcium transport in boar sperm plasma membrane vesicles and their relation to phosphorylation of plasma membrane proteins. Ashraf M, et al. **Biol Reprod** 1984 Dec;31(5):1061-71

Phosphorylation of cytosolic proteins by resting and activated human neutrophils. Andrews PC, et al. **Blood** 1984 Oct;64(4):883-90

Protein kinase C phosphorylates a 47 Mr protein (F1) directly related to synaptic plasticity. Akers RF, et al. **Brain Res** 1985 May 13;334(1):147-51

Presynaptic localization of B-50 phosphoprotein: the (ACTH)-sensitive protein kinase substrate involved in rat brain polyphosphoinositide metabolism. Gispen WH, et al. **Brain Res** 1985 Mar 4;328(2):381-5

Partial characterization of endogenous phosphorylation conditions for hen brain cytosolic and membrane proteins. Patton SE, et al. **Brain Res** 1985 Feb 25;328(1):1-14

In vivo decomposition of phosphoserine and serine in noncollagenous protein from human dentin. Masters PM. **Calcif Tissue Int** 1985 May;37(3):236-41

Selective protein phosphorylation in heterogeneous subpopulations of human colon carcinoma cells. Chakrabarty S, et al. **Cancer Res** 1985 Feb;45(2):743-50

Cell-free system studies on the phosphorylation of the 17,000-20,000 dalton protein induced by phorbol ester in human leukemic cells and evidence for a similar event in virally transformed murine fibroblasts. Feuerstein N, et al. **Cancer Res** 1985 Jul;45(7):3243-51

Protein phosphorylation at tyrosine is induced by the v-erbB gene product in vivo and in vitro. Gilmore T, et al. **Cell** 1985 Mar;40(3):609-18

Properties and functions of a nucleolus-specific phosphoprotein of mouse ascites sarcoma cells. Kawashima K, et al. **Cell Struct Funct** 1984 Sep;9(3):291-304

Two-dimensional electrophoretic analysis of major phosphoproteins of the sea urchin, Arbacia punctulata. Maglott DR. **Comp Biochem Physiol [B]** 1985;80(3):513-6

Adenosine 3',5'-monophosphate-dependent phosphoproteins in human placenta. Moore JJ, et al. **Endocrinology** 1985 Jan;116(1):288-95

Identification of a 60-kDa phosphoprotein that binds stored messenger RNA of Xenopus oocytes. Dearsly AL, et al. **Eur J Biochem** 1985 Jul 1;150(1):95-103

Activation of brain calcineurin towards proteins containing Thr(P) and Ser(P) by Ca2+, calmodulin, Mg2+ and transition metal ions. Li HC, et al. **Eur J Biochem** 1984 Nov 2;144(3):447-52

Lack of correlation between loss of anchorage-independent growth and levels of transformation-specific p53 protein in retinoic acid-treated F9 embryonal carcinoma cells. Rodrigues M, et al. **Exp Cell Res** 1985 Jan;156(1):22-30

Phosphorylation of chromosomal proteins during the transition of a normal plant cell to a crown gall tumor cell. Schäfer W, et al. **Exp Cell Res** 1984 Nov;155(1):141-52

The role of p53 in growth of mouse fibroblast lines. Wynford-Thomas D, et al. **Exp Cell Res** 1985 Jul; 159(1):191-200

Characterization of protein F1 (47 kDa, 4.5 pI): a kinase C substrate directly related to neural plasticity. Nelson RB, et al. **Exp Neurol** 1985 Jul;89(1):213-24

Protein phosphorylation in the pancreatic B-cell. Harrison DE, et al. **Experientia** 1984 Oct 15;40(10):1075-84 (61 ref.)

Analysis of phosphorylation sites on fibronectin. Ali IU. **FEBS Lett** 1984 Oct 15;176(1):169-75

Calcium-activated, phospholipid-dependent protein kinase activity and protein phosphorylation in HL60 cells induced to differentiate by retinoic acid. Durham JP, et al. **FEBS Lett** 1985 Jun 3;185(1):157-61

Stimulation by somatostatin of dephosphorylation of membrane proteins in pancreatic cancer MIA PaCa-2 cell line. Hierowski MT, et al. **FEBS Lett** 1985 Jan 7; 179(2):252-6

Cyclic AMP stimulates dephosphorylation of specific proteins in intact S49 mouse lymphoma cells. Kiss Z, et al. **FEBS Lett** 1985 Jan 28;180(2):207-11

Pertussis toxin facilitates the progesterone-induced maturation of Xenopus oocyte. Possible role of protein phosphorylation. Mulner O, et al. **FEBS Lett** 1985 Feb 25; 181(2):397-402

Relationship of phosphorylation to the oligomerization of SV40 T antigen and its association with p53. Stürzbecher HW, et al. **FEBS Lett** 1985 Jan 28;180(2):285-90

Activation of a cellular tyrosine-specific protein kinase by phosphorylation. Swarup G, et al. **FEBS Lett** 1985 Aug 19;188(1):131-4

Alterations in the phosphoprotein composition of tumor cell clones induced by cell culture techniques used routinely in assessing metastatic behavior in vivo. Greig RG, et al. **Int J Cancer** 1985 Mar 15;35(3):367-75

Synthesis and degradation of interconvertible enzymes. Kinetic equations of a model system. Gibson DM, et al. **J Bioenerg Biomembr** 1984 Dec;16(5-6):433-9

ADP stimulates hydrolysis of the 'ADP-insensitive' phosphoenzyme in Na+, K+-ATPase and Ca2+-ATPase. Hobbs AS, et al. **J Biol Chem** 1985 Feb 25;260(4):2035-7

Diverse mitogenic agents induce rapid phosphorylation of a common set of cellular proteins at tyrosine in quiescent mammalian cells. Kohno M. **J Biol Chem** 1985 Feb 10; 260(3):1771-9

Phosphoproteins associated with the regulation of a specific potassium channel in the identified Aplysia neuron R15. Lemos JR, et al. **J Biol Chem** 1985 Mar 10;260(5):3207-14

An endogenous substrate for the insulin receptor-associated tyrosine kinase. Rees-Jones RW, et al. **J Biol Chem** 1985 Apr 10;260(7):4461-7

Isolation of three proteins that bind to mammalian RNA polymerase II. Sopta M, et al. **J Biol Chem** 1985 Aug 25; 260(18):10353-60

Effects of androgen and polyamines on the phosphorylation of nucleolar proteins from rat ventral prostates with particular reference to 110-kDa phosphoprotein. Suzuki N, et al. **J Biol Chem** 1985 Jul 5;260(13):8050-5

Stimulation of pp60c-src tyrosyl kinase activity in polyoma virus-infected mouse cells is closely associated with polyoma middle tumor antigen synthesis. Bolen JB, et al. **J Cell Biochem** 1985;27(2):157-67

Phosphoproteins and the phosphoenolpyruvate: sugar phosphotransferase system in Salmonella typhimurium and Escherichia coli: evidence for IIImannose, IIIfructose, IIIglucitol, and the phosphorylation of enzyme IImannitol and enzyme IIN-acetylglucosamine. Waygood EB, et al. **J Cell Biochem** 1984;25(3):139-59 (59 ref.)

Processing and lysosomal localization of a glycoprotein whose secretion is transformation stimulated. Gal S, et al. **J Cell Biol** 1985 Feb;100(2):535-44

gp72, the 72 kilodalton glycoprotein, is the membrane acceptor site for C3 on Trypanosoma cruzi epimastigotes. Joiner K, et al. **J Exp Med** 1985 May 1;161(5):1196-212

cAMP in ovine oocytes: localization of synthesis and its action on protein synthesis, phosphorylation, and meiosis. Crosby IM, et al. **J Exp Zool** 1985 May;234(2):307-18

Distribution and characterization of mineral-binding phosphoprotein particles in Bivalvia. Marsh ME, et al. **J Exp Zool** 1985 May;234(2):237-42

Is Ca2+-calmodulin-dependent protein phosphorylation in rat brain modulated by carboxylmethylation? Billingsley ML, et al. **J Neurochem** 1985 May;44(5):1442-50

Calcium/ganglioside-dependent protein kinase activity in rat brain membrane. Goldenring JR, et al. **J Neurochem** 1985 Apr;44(4):1229-34

Dephosphorylation of microtubule-associated protein 2, tau factor, and tubulin by calcineurin. Goto S, et al. **J Neurochem** 1985 Jul;45(1):276-83

Effects of taurine on calcium ion uptake and protein phosphorylation in rat retinal membrane preparations. Lombardini JB. **J Neurochem** 1985 Jul;45(1):268-75

Regulation of phosphate incorporation into four brain phosphoproteins that are affected by experience. Lyn-Cook BD, et al. **J Neurochem** 1985 Feb;44(2):552-9

Depolarisation-dependent protein phosphorylation and dephosphorylation in rat cortical synaptosomes is modulated by calcium. Robinson PJ, et al. **J Neurochem** 1985 Feb;44(2):338-48

Modulation of phosphorylation of a 30-kD polyribosomal protein (pp30) by ACTH and spermine: comparison with modulation of brain protein synthesis. Schrama LH, et al. **J Neurochem** 1984 Dec;43(6):1693-9

Autophosphorylation of calmodulin-kinase II in synaptic junctions modulates endogenous kinase activity. Shields SM, et al. **J Neurochem** 1984 Dec;43(6):1599-609

Ca2+ and phospholipid-dependent protein kinase activity and phosphorylation of endogenous proteins in bovine adrenal medulla. Wise BC, et al. **J Neurochem** 1985 Jul; 45(1):227-34

Phosphorylation sites on phosphoprotein NS of vesicular stomatitis virus. Bell JC, et al. **J Virol** 1985 Jun; 54(3):697-702

Intracellular location and kinetics of complex formation between simian virus 40 T antigen and cellular protein p53. Schmieg FI, et al. **J Virol** 1984 Nov;52(2):350-5

Brain protein phosphorylation in vitro: selective substrate action of insulin. Akers RF, et al. **Life Sci** 1984 Aug 20; 35(8):809-13

Low level of cellular protein phosphorylation by nontransforming overproduced p60c-src. Iba H, et al. **Mol Cell Biol** 1985 May;5(5):1058-66

Characterization of pp60src phosphorylation in vitro in Rous sarcoma virus-transformed cell membranes. Resh MD, et al. **Mol Cell Biol** 1985 May;5(5):916-22

Neurones express high levels of a structurally modified, activated form of pp60c-src. Brugge JS, et al. **Nature** 1985 Aug 8-14;316(6028):554-7

Stimulated neutrophils from patients with autosomal recessive chronic granulomatous disease fail to phosphorylate a Mr-44,000 protein. Segal AW, et al. **Nature** 1985 Aug 8-14;316(6028):547-9

Evidence that a 90-kDa phosphoprotein, an associated kinase, and a specific phosphatase are involved in the regulation of Cloudman melanoma cell proliferation by insulin. Fleischmann RD, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1007-11

Endogenous phosphorylation in Dunning prostate tumors of rats treated with LH-RH analogues. Cehovic G, et al. **Prostate** 1984;5(6):605-11

Endothelium-dependent vasodilator-and nitrovasodilator-induced relaxation may be mediated through cyclic GMP formation and cyclic GMP-dependent protein phosphorylation. Rapoport RM, et al. **Trans Assoc Am Physicians** 1983;96:19-30

The Epstein-Barr virus nuclear antigen (BamHI K antigen) is a single-stranded DNA binding phosphoprotein. Hearing JC, et al. **Virology** 1985 Aug;145(1):105-16

PHARMACODYNAMICS

The effect of rhodopsin phosphorylation on the light-dependent activation of phosphodiesterase from bovine rod outer segments. Arshavsky VY, et al. **FEBS Lett** 1985 Feb 25;181(2):264-6

Inhibition of 2'-phosphodiesterase by cAMP-dependent protein kinase. Involvement of phosphorylation of protein inhibitor. Itkes AV, et al. **FEBS Lett** 1984 Oct 15; 176(1):65-8

PHYSIOLOGY

Phosphoprotein regulation of memory formation: enhancement and control of synaptic plasticity by protein kinase C and protein F1. Routtenberg A. **Ann NY Acad Sci** 1985;444:203-11

Selective increase in phosphorylation of a 47-kDa protein (F1) directly related to long-term potentiation. Routtenberg A, et al. **Behav Neural Biol** 1985 Jan; 43(1):3-11

Down-modulation of an oncogene protein product and reversion of the transformed phenotype by monoclonal antibodies. Drebin JA, et al. **Cell** 1985 Jul;41(3):697-706

Protein phosphorylation and neuronal function. Browning MD, et al. **J Neurochem** 1985 Jul;45(1):11-23 (151 ref.)

Overexpressed pp60c-src can induce focus formation without complete transformation of NIH 3T3 cells. Johnson PJ, et al. **Mol Cell Biol** 1985 May;5(5):1073-83

The rate-determining step in cAMP-mediated exocytosis in the rat parotid and submandibular glands appears to involve analogous 26-kDa integral membrane phosphoproteins. Quissell DO, et al. **Proc Natl Acad Sci USA** 1985 May; 82(10):3237-41

Protein kinase activity associated with the product of the yeast cell division cycle gene CDC28. Reed SI, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4055-9

The transformation-related p53 protein: a potential regulator of cell proliferation. Mercer WE, et al. **Prog Clin Biol Res** 1985;177:171-91

[Protein inhibitors of crystallization. Their characterization and potential role in calcium lithiasis] Montalto G, et al. **Nephrologie** 1984;5(4):155-7 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

UV irradiation stimulates levels of p53 cellular tumor antigen in nontransformed mouse cells. Maltzman W, et al. **Mol Cell Biol** 1984 Sep;4(9):1689-94

SECRETION

Altered processing of a major secreted phosphoprotein correlates with tumorigenicity in Rous sarcoma virus-transformed mammalian cells. Chackalaparampil I, et al. **J Virol** 1985 Mar;53(3):841-50

PHOSPHOPYRUVATE HYDRATASE

Crystallization and preliminary crystallographic data for a tetragonal form of yeast enolase. Lebioda L, et al. **J Mol Biol** 1984 Nov 25;180(1):213-5

ANALYSIS

Immunocytochemical demonstration of neuron-specific enolase (NSE) in human lung cancers. Bergh J, et al. **Am J Clin Pathol** 1985 Jul;84(1):1-7

Human prostatic endocrine-paracrine (APUD) cells. Distributional analysis with a comparison of serotonin and neuron-specific enolase immunoreactivity and silver stains. di Sant'Agnese PA, et al. **Arch Pathol Lab Med** 1985 Jul; 109(7):607-12

Histochemical studies of dense-core granulated tumors of the lung. Neuron-specific enolase as a marker for granulated cells. Wilson TS, et al. **Arch Pathol Lab Med** 1985 Jul;109(7):613-20

Tissue distribution, developmental profiles and effect of denervation of enolase isozymes in rat muscles. Kato K, et al. **Biochim Biophys Acta** 1985 Jul 26;841(1):50-8

Developmental changes of neuron-specific enolase in human brain: an immunohistochemical study. Nishimura M, et al. **Brain Dev** 1985;7(1):1-6

Immunohistochemical demonstration of neuron-specific enolase in gynecologic malignant tumors. Inoue M, et al. **Cancer** 1985 Apr 15;55(8):1686-90

Enolase isozymes in differentiated and undifferentiated medullary thyroid carcinomas. Oskam R, et al. **Cancer** 1985 Jan 15;55(2):394-9

Immunohistochemical demonstration of neuron specific enolase in the nerve endings and skin receptors of marine eels. Zaccone G. **Histochem J** 1984 Nov;16(11):1231-6

Combined immunostaining of neurofilaments, neuron specific enolase, GFAP and S-100. A possible means for assessing the morphological and functional status of the enteric nervous system. Bishop AE, et al. **Histochemistry** 1985; 82(1):93-7

Immunoreactive neuron-specific enolase, bombesin, and chromogranin as markers for neuroendocrine lung tumors. Said JW, et al. **Hum Pathol** 1985 Mar;16(3):236-40

Electron microscopic localization of neuron-specific enolase in rat and mouse brain. Vinores SA, et al. **J Histochem Cytochem** 1984 Dec;32(12):1295-302

Identification of neuron-specific enolase and nonneuronal enolase in human and rat brain on two-dimensional polyacrylamide gels. Heydorn WE, et al. **J Neurochem** 1985 Jan;44(1):201-9

A comparison of the evolutionary distribution of the two neuroendocrine markers, neurone-specific enolase and protein gene product 9.5. Jackson P, et al. **J Neurochem** 1985 Jul;45(1):185-90

Immunohistochemical diagnosis of olfactory neuroblastoma. Choi HS, et al. **J Neuropathol Exp Neurol** 1985 Jan; 44(1):18-31

Immunohistochemical localization of gamma-enolase in normal human tissues other than nervous and neuroendocrine tissues. Haimoto H, et al. **Lab Invest** 1985 Mar;52(3):257-63

Gamma-subunit of the glycolytic enzyme enolase: nonspecific or neuron specific? Schmechel DE. **Lab Invest** 1985 Mar;52(3):239-42

Immunohistologic detection and phenotyping of neuroblastoma cells in bone marrow using cytoplasmic neuron specific enolase and cell surface antigens. Moss TJ, et al. **Prog Clin Biol Res** 1985;175:367-78

NSE in neuroblastoma and other round cell tumors of childhood. Triche TJ, et al. **Prog Clin Biol Res** 1985; 175:295-317 (43 ref.)

Neuron-specific enolase and neurofilament protein as markers of differentiation in medulloblastoma. Velasco ME, et al. **Surg Neurol** 1985 Feb;23(2):177-82

Radioimmunoassay development for human neuron-specific enolase: with some clinical results in lung cancers and neuroblastoma. Notomi T, et al. **Tumour Biol** 1985; 6(1):57-66

Neuron-specific enolase as a marker for neuroblastoma and small-cell carcinoma of the lung. Påhlman S, et al. **Tumour Biol** 1984;5(2):119-26

Neuron-specific enolase in neuroblastoma and other pediatric tumors: a comparative nude mouse and clinical investigation. Tsuchida Y, et al. **Tumour Biol** 1985; 6(1):67-73

Distribution of neurofilament protein and neuron-specific enolase in peripheral neuronal tumours. Sasaki A, et al. **Virchows Arch [A]** 1985;407(1):33-41

[Immunohistochemical study of neuron-specific-enolase of the neurocutaneous system] Sakamoto F, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Oct;94(11):1239-45 **(Jpn)**

BLOOD

Potential utility of serum neuron-specific enolase levels in small cell carcinoma of the lung. Johnson DH, et al. **Cancer Res** 1984 Nov;44(11):5409-14

Serum neuron-specific enolase. A marker for disease extent and response to therapy for small-cell lung cancer. Akoun GM, et al. **Chest** 1985 Jan;87(1):39-43

Practicable enzyme immunoassay for neuron-specific enolase in human serum. Kimura S, et al. **J Appl Biochem** 1984 Oct-Dec;6(5-6):319-24

Clinical studies with neuron specific enolase. Marangos PJ. **Prog Clin Biol Res** 1985;175:285-94 (25 ref.)

Prognostic importance of serum neuron specific enolase in local and widespread neuroblastoma. Zeltzer PM, et al. **Prog Clin Biol Res** 1985;175:319-29

Decreased red cell enolase activity in a 40-year-old woman with compensated haemolysis. Boulard-Heitzmann P, et al. **Scand J Haematol** 1984 Nov;33(5):401-4

Neurone specific enolase: a useful diagnostic serum marker for small cell carcinoma of the lung. Esscher T, et al. **Thorax** 1985 Feb;40(2):85-90

[Serum neuron-specific enolase as a marker of lung cancers] Fujisawa T, et al. **Gan To Kagaku Ryoho** 1985 Jan; 12(1):139-43 (Eng. Abstr.) **(Jpn)**

[Basic and clinical studies of measurement of neuron-specific enolase (NSE) by radioimmunoassay] Yoneda M, et al. **Kaku Igaku** 1985 Apr;22(4):545-9 **(Jpn)**

[Serum neuron-specific enolase in the diagnosis of lung pathologies, tumorous or not. Preliminary results (letter)] Ruibal A, et al. **Med Clin (Barc)** 1985 Mar 16;84(10):418-9 **(Spa)**

CEREBROSPINAL FLUID

The cytopathogenic agent in CSF: evidence for a relationship with enolase levels [letter] Taylor GR, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):281

[Neuron-specific enolase and S-100 protein levels in the cerebrospinal fluid of patients with encephalitis and meningitis] Mokuno K, et al. **Rinsho Shinkeigaku** 1984 Nov; 24(11):1143-8 (Eng. Abstr.) **(Jpn)**

GENETICS

Human neuron-specific enolase: genetic and developmental studies. Chen SH, et al. **J Neurogenet** 1984 Apr;1(2):159-64

Purification of gamma-enolase messenger ribonucleic acid from rat brain by an immunoadsorption method. Nybroe O, et al. **Neurosci Lett** 1985 Jan 7;53(1):115-9

Molecular cloning and the nucleotide sequence of cDNA to mRNA for non-neuronal enolase (alpha alpha enolase) of rat brain and liver. Sakimura K, et al. **Nucleic Acids Res** 1985 Jun 25;13(12):4365-78

IMMUNOLOGY

Neuron-specific enolase-like immunoreactivity in inner hair cells but not outer hair cells in the guinea pig organ of Corti. Altschuler RA, et al. **Brain Res** 1985 Feb 18; 327(1-2):379-84

Preparation and characterization of monoclonal antibodies to human neuron-specific enolase. Seshi B, et al. **Hybridoma** 1985 Spring;4(1):13-25

ISOLATION & PURIFICATION

Enolase isozymes from Ricinus communis: partial purification and characterization of the isozymes. Miernyk JA, et al. **Arch Biochem Biophys** 1984 Sep;233(2):643-51

Purification and characterization of human neuron-specific enolase: radioimmunoassay development. Påhlman S, et al. **Tumour Biol** 1984;5(2):127-39

[Neuron-specific enolase] Kato K. **Tanpakushitsu Kakusan Koso** 1984 Nov;29(12 Suppl):1101-16 (117 ref.) **(Jpn)**

METABOLISM

Neuron-specific enolase as a marker for intestinal neurons. An immunocytochemical study of the human intestinal tract. Frykberg T, et al. **Acta Neuropathol (Berl)** 1985; 66(3):184-7

Neuron-specific enolase as an immunohistochemical tool for the diagnosis of Hirschsprung's disease. Vinores SA, et al. **Am J Surg Pathol** 1985 Apr;9(4):281-5

Neuron-specific enolase immunoreactivity in small-cell carcinoma of the uterine cervix [letter] Siegal GP, et al. **Arch Pathol Lab Med** 1985 Jan;109(1):5-6

Hexose metabolism in pancreatic islets: phosphoglycerate 2,3-mutase and enolase activities in rat islets. Malaisse-Lagae F, et al. **Biochimie** 1984 Nov-Dec; 66(11-12):723-5

Factors involved in expression of neuron-specific and non-neuronal enolase activity in developing chick brain and in primary cultures of chick neurons. Ledig M, et al. **Brain Res** 1985 Jul;353(1):107-13

Molecular forms and solubility of acetylcholinesterase during the embryonic development of rat and human brain. Muller F, et al. **Brain Res** 1985 Apr 8;331(2):295-302

Enolase distribution in human brain tumors, retinoblastomas and pituitary adenomas. Nakajima T, et al. **Brain Res** 1984 Aug 13;308(2):215-22

Expression of neurofilament and neuron-specific enolase in small cell tumors of skin using immunohistochemistry. Leff EL, et al. **Cancer** 1985 Aug 1;56(3):625-31

Immunohistochemical appearance of calmodulin in the developing brain: a comparison with neuron specific enolase. Seto-Ohshima A, et al. **Cell Struct Funct** 1984 Dec; 9(4):337-44

Glycolytic enzyme levels in synaptosomes. Knull HR, et al. **Comp Biochem Physiol [B]** 1985;81(2):349-51

Increased level of immunoreactive neuron-specific enolase in thyroid C cells from dogs and guinea pigs after chronic hypercalcemia. Kameda Y. **Endocrinology** 1985 Sep; 117(3):1239-45

Neuron-specific enolase in mucosal endocrine cells and carcinoid tumours of the small intestine: a comparative study with neuron-specific enolase immunocytochemistry and silver stains. Lundqvist M, et al. **Histochem J** 1985 Mar;17(3):323-31

Neurone specific enolase and S100 protein as possible prognostic indicators in melanoma. Rode J, et al. **Histopathology** 1984 Nov;8(6):1041-52

Enzymatically active subunits of Bacillus stearothermophilus enolase bound to Sepharose. Veronese FM, et al. **Int J Pept Protein Res** 1984 Dec;24(6):557-62

Neuron-specific enolase-containing cells in the rhesus monkey trabecular meshwork. Stone RA, et al. **Invest Ophthalmol Vis Sci** 1984 Nov;25(11):1332-4

Cu(II) activates yeast enolase. Sinha U, et al. **J Inorg Biochem** 1984 Nov;22(3):175-7

Cadmium(II)-113 NMR studies of the mechanism of metal ion activation of yeast enolase. Spencer SG, et al. **J Inorg Biochem** 1985 May;24(1):47-57

Effects of various forms of stimulation on the content of enolase isozymes and S-100 protein in superior cervical sympathetic ganglia excised from rats. Nagata Y, et al. **J Neurochem** 1984 Nov;43(5):1205-12

Immunostaining of neuron-specific enolase is a valuable aid to the cytological diagnosis of neuroendocrine tumours of the lung. Springall DR, et al. **J Pathol** 1984 Aug;

143(4):259–65

Enolase isoenzymes as diagnostic markers. Royds JA, et al. **Neuropathol Appl Neurobiol** 1985 Jan–Feb;11(1):1–16

Immunohistochemical study of neuron specific enolase and S–100 protein in Hirschsprung's disease. Taguchi T, et al. **Virchows Arch** [A] 1985;405(4):399–409

PHOSPHORAMIDE MUSTARDS

BLOOD

Plasma concentrations of 4–hydroxycyclophosphamide and phosphoramide mustard in patients repeatedly given high doses of cyclophosphamide in preparation for bone marrow transplantation. Sladek NE, et al. **Cancer Treat Rep** 1984 Oct;68(10):1247–54

CHEMICAL SYNTHESIS

[Synthesis of the 14C labelled anticancer agent: N,N–bis(beta–chloroethyl)–N',N'–di(carboethoxy–[14C] methyl)–phosphorotriamide] Guo JY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):295–7 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Inhibition of proliferation without affecting the generation of cytotoxicity in the human mixed lymphocyte reaction. Hengst JC, et al. **Cell Immunol** 1985 Feb;90(2):281–94

[A study of the antitumor action of glyciphosphoramide] He S, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Oct; 6(5):334–7 (Eng. Abstr.) **(Chi)**

POISONING

Differential dysmorphogenesis induced by microinjection of an alkylating agent into rat conceptuses cultured in vitro. Satish J, et al. **Teratology** 1985 Feb;31(1):61–72

THERAPEUTIC USE

[Clinical phase II trial of a new antineoplastic drug, glyciphosphoramide (GPM)] Sun Y. **Chung Hua Chung Liu Tsa Chih** 1984 Sep;6(5):375–8 (Eng. Abstr.) **(Chi)**

[Clinical phase I trial of a new anti–neoplastic drug––glyciphosphoramide] Sun Y. **Chung Hua Chung Liu Tsa Chih** 1984 Jul;6(4):293–5 (Eng. Abstr.) **(Chi)**

[Clinical evaluation of glyciphosphoramide used alone and in combination with other drugs] Wang ZY. **Chung Hua Chung Liu Tsa Chih** 1984 Sep;6(5):379–81 (Eng. Abstr.) **(Chi)**

[Clinical phase II trial of a new antineoplastic drug––glyciphosphoramide] Sun Y. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Aug; 6(4):273–6 (Eng. Abstr.) **(Chi)**

PHOSPHORANES

Studies on the reaction of hexachlorocyclotriphosphazene and 2–hydroxyethyl methacrylate and on the physical properties of its polymer. Anzai M, et al. **J Nihon Univ Sch Dent** 1984 Jun;26(2):109–18

PHARMACODYNAMICS

Effect of phosphonium salts and phosphoranes on the acetylcholinesterase activity and on the viability of Schistosoma mansoni parasites. Levi–Schaffer F, et al. **Int J Immunopharmacol** 1984;6(6):619–27

PHOSPHORESCENCE see **LUMINESCENCE**

PHOSPHORIBOSYL PYROPHOSPHATE see under **PENTOSEPHOSPHATES**

PHOSPHORIC ACID ESTERS see under **ORGANOPHOSPHORUS COMPOUNDS**

PHOSPHORIC ACIDS

Resistance of calcium hydroxide materials to phosphoric acid. de Freitas JF. **Aust Dent J** 1984 Dec;29(6):389–93

Resistance of calcium hydroxide preparations to solubility in phosphoric acid. Phillips RW, et al. **J Prosthet Dent** 1984 Sep;52(3):358–60

ADMINISTRATION & DOSAGE

An optimal concentration of phosphoric acid as an etching agent. Part II: Microleakage studies. Gross JD, et al. **J Prosthet Dent** 1984 Dec;52(6):786–9

Optimal concentration of phosphoric acid as an etching agent. Part III: Enamel wettability studies. Retief DH, et al. **J Prosthet Dent** 1985 Jan;53(1):42–6

CHEMICAL SYNTHESIS

Bis(m–nitrophenyl) and bis(p–nitrophenyl) esters and the phosphorodiamidate of thymidine 5'–phosphate as potential sources of intracellular thymidine 5'–phosphate in mouse cells in culture. Chawla RR, et al. **J Med Chem** 1984 Dec; 27(12):1733–6

DIAGNOSTIC USE

[Determination of free silica in airborne dust by phosphoric acid method] Koyano M, et al. **Sangyo Igaku** 1984 Jan; 26(1):9–14 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Inhibitors of angiotensin–converting enzyme containing a tetrahedral arsenic atom. Galardy RE, et al. **Biochem J** 1985 Mar 1;226(2):447–54

PHOSPHORIC MONOESTER HYDROLASES see **PHOSPHOMONOESTERASES**

PHOSPHORUS

Changes in intracellular Mg adenosine triphosphate and ionized Mg2+ during blood storage: detection by 31P nuclear magnetic resonance spectroscopy. Bock JL, et al. **Blood** 1985 Jun;65(6):1526–30

Phosphorous–containing analogues of aspartame. Nelson V, et al. **J Pharm Sci** 1984 Dec;73(12):1844–6

ADMINISTRATION & DOSAGE

Calcium and phosphorus intakes, balances, and blood levels of adults consuming self–selected diets. Lakshmanan FL, et al. **Am J Clin Nutr** 1984 Dec;40(6 Suppl):1368–79

Effects of fasting compared to low phosphorus diet on the kinetics of phosphate transport by renal brush–border membranes. Kempson SA. **Biochim Biophys Acta** 1985 Apr 26;815(1):85–90

Biological characteristics for assessing low phosphorus intake in growing swine. Koch ME, et al. **J Anim Sci** 1985 Mar; 60(3):699–708

An evaluation of various biological characteristics in assessing low phosphorus intake in weanling swine. Koch ME, et al. **J Anim Sci** 1984 Dec;59(6):1546–56

Comparison of calcium– and phosphorus–supplemented soy isolate formula with whey–predominant premature formula in very low birth weight infants. Hall RT, et al. **J Pediatr Gastroenterol Nutr** 1984 Sep;3(4):571–6

On the requirement of calcium, phosphorus and vitamin D by premature and low birthweight infants. Lindquist B. **Klin Padiatr** 1985 Mar–Apr;197(2):147–8

The effect of different totals and ratios of dietary calcium and phosphorus on the performance and incidence of leg abnormalities of male and female broiler chickens. Hulan HW, et al. **Poult Sci** 1985 Jun;64(6):1157–69

[Effect of 1,25–dioxycholecalciferol and 24,25–dioxycholecalciferol on calcium homeostasis in rats given hydrocortisone in the diet with various phosphorus contents] Karatabanova NA, et al. **Vopr Pitan** 1985 Mar–Apr;(2):52–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Determination of calcium, magnesium and phosphorus in human stones by inductively coupled plasma atomic–emission spectroscopy. Wandt MA, et al. **Analyst** 1984 Aug;109(8):1071–4

Energy dispersive x–ray analysis of the cornea. Application to paraffin sections of normal and diseased corneas. Robinson MR, et al. **Arch Ophthalmol** 1984 Nov; 102(11):1678–82

Microbial immobilization of phosphorus as a potential means of reducing phosphorus pollution of water. Wingfield GI, et al. **Bull Environ Contam Toxicol** 1985 Apr;34(4):587–96

More on enzymic assay of inorganic phosphorus [letter] Zoppi F, et al. **Clin Chem** 1985 Jul;31(7):1242

Elemental analysis of individual rat blood platelets by electron probe X–ray microanalysis using a direct quantification method. Boekestein A, et al. **Histochemistry** 1985;82(3):257–61

Iron and phosphorus content of rabbit liver ferritin fractions with different subunit composition. Frenkel EJ, et al. **Int J Biochem** 1985;17(3):421–4

X–ray microanalysis of calcium, potassium, and phosphorus in liver mitochondria stressed by carbon tetrachloride. Millette JR, et al. **J Anal Toxicol** 1985 Jul–Aug;9(4):145–51

Determination of phosphorus in processed cheese: collaborative study. Steiger G, et al. **J Assoc Off Anal Chem** 1985 Jan–Feb;68(1):102–4

Influence of EHDP and F on Ca and P loss from enamel during the intra–oral cariogenicity test. Wöltgens JH, et al. **J Biol Buccale** 1984 Dec;12(4):339–48

Magnesium, calcium, and phosphorus content of shells from hatching and nonhatching turkey eggs. Christensen VL, et al. **Poult Sci** 1985 May;64(5):1020–7

The aluminum–induced increase in blood–brain barrier permeability to delta–sleep–inducing peptide occurs throughout the brain and is independent of phosphorus and acetylcholinesterase levels. Banks WA, et al. **Psychopharmacology (Berlin)** 1985;86(1–2):84–9

Elemental contamination of Japanese women's hair from historical samples. Suzuki T, et al. **Sci Total Environ** 1984 Oct;39(1–2):81–91

[Phosphoantimony molybdic acid–polyethylene glycol–peacock green in the determination of phosphates and total phosphorus in water] He GZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 May; 18(3):170–2 **(Chi)**

[The study 'Organic Halogen Compounds in Water' by the Water Chemistry Section of the Association of German Chemists––task, work plan and comparison with the phosphorus study] Niemitz W. **Schriftenr Ver Wasser Boden Lufthyg** 1984;57:161–9 **(Ger)**

[Determination of inorganic phosphorus in blood serum and urine] Kuchinskiĭ AL. **Lab Delo** 1985;(2):109–11 (Eng. Abstr.) **(Rus)**

[Calcium and phosphorus content of mixed saliva and the growth in the degree of caries in children in relation to the season of the year] Zenovskiĭ VP. **Stomatologiia (Mosk)** 1984 Sep–Oct;63(5):70–2 (Eng. Abstr.) **(Rus)**

[Chronic idiopathic hypoparathyroidism: report of 3 cases] Alvarez Aparicio E, et al. **An Esp Pediatr** 1985 Apr 15; 22(5):402–6 (Eng. Abstr.) **(Spa)**

BLOOD

Metabolism of calcium and phosphorus during pregnancy and lactation in white–tailed deer. Chao CC, et al. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):269–75

Spurious hyperphosphatemia due to hyperlipidemia. Leehey DJ, et al. **Arch Intern Med** 1985 Apr;145(4):743–4

Relationships between calcium and phosphorus homeostasis, parathyroid hormone levels, bone aluminum, and bone histomorphometry in patients on maintenance hemodialysis. Nilsson P, et al. **Bone** 1985;6(1):21–7

Changes in serum levels of 1,25–dihydroxyvitamin D3, calcium and phosphorus with age and vitamin D status in chickens. Sedrani SH. **Br J Nutr** 1984 Sep;52(2):329–34

Effect of acid–base status on plasma phosphorus response to lactate. Oster JR, et al. **Can J Physiol Pharmacol** 1984 Aug;62(8):939–42

Colorimetric vs enzymatic determination of serum phosphorus [letter] Adam A, et al. **Clin Chem** 1984 Oct; 30(10):1724–5

Automated dry–film method for phosphorus in serum evaluated [letter] Toffaletti J. **Clin Chem** 1985 Jan; 31(1):148–9

EktaChem assay for phosphorus evaluated [letter] Warty V, et al. **Clin Chem** 1985 Mar;31(3):495–6

A simplified procedure for estimation of lipid phosphorus in erythrocyte membranes. Feuerstein H, et al. **Clin Chim Acta** 1984 Dec 29;144(2–3):249–53

Effect of hyperventilation on total calcium, ionized calcium, and serum phosphorus in neonates. Watchko J, et al. **Crit Care Med** 1984 Dec;12(12):1055–6

Phosphorus–31 nuclear magnetic resonance studies on intact erythrocytes. Determination of intracellular pH and time course changes in phosphorus metabolites. Mitsumori F. **J Biochem (Tokyo)** 1985 Jun;97(6):1551–60

Hypophosphatemia accompanying blastic crisis in a patient with malignant lymphoma. Perek J, et al. **J Cancer Res Clin Oncol** 1984;108(3):351–3

Role of change in vitamin D metabolism with age in calcium and phosphorus metabolism in normal human subjects. Fujisawa Y, et al. **J Clin Endocrinol Metab** 1984 Oct; 59(4):719–26

Role of fetal 1,25–dihydroxyvitamin D production in intrauterine phosphorus and calcium homeostasis. Moore ES, et al. **Pediatr Res** 1985 Jun;19(6):566–9

Plasma calcium, phosphorus, 25–dihydroxyvitamin D3, and 1–25–dihydroxyvitamin D3 of hens with fatty liver syndrome. Harms RH, et al. **Poult Sci** 1985 Apr; 64(4):768–70

Assessing the benefit of changing aluminium hydroxide schedule on anaemia and serum phosphorus control. Cannata JB, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:410–4

Phosphorus kinetics during haemodialysis and haemofiltration. Pogglitsch H, et al. **Proc Eur Dial Transplant Assoc Eur Ren Assoc** 1985; 21:461–8

Phosphorus labeling of proteins and phospholipids in intact platelets in response to pH 5.3. Mürer EH, et al. **Thromb Haemost** 1985 Feb 18;53(1):32–5

[Postoperative hypophosphoremia in digestive surgery. Influence of the parenteral diet] Delalande JP, et al. **Ann Fr Anesth Reanim** 1984;3(6):414–20 (Eng. Abstr.) **(Fre)**

[Role of hyperventilation in severe hypophosphoremia (letter)] Rimailho A, et al. **Ann Fr Anesth Reanim** 1984; 3(5):398–9 **(Fre)**

[Blood phosphorus on admission to intensive care. Impact of the simultaneous evaluation of arterial pH (letter)] Rimailho A, et al. **Presse Med** 1985 Feb 9;14(5):285–6 **(Fre)**

[Hypophosphoremia during mechanical ventilation for chronic obstructive bronchopathies] Squara P, et al. **Presse Med** 1985 Jun 1;14(22):1225–8 (Eng. Abstr.) **(Fre)**

[Calcinosis universalis with hyperphosphataemia––successful treatment with phosphorus deprivation] Yoshikawa S, et al. **Nippon Seikeigeka Gakkai Zasshi** 1985 Mar; 59(3):293–302 (Eng. Abstr.) **(Jpn)**

[Calcium and phosphorus levels and acid and alkaline phosphatase activity in children with cerebral palsy] Golik M, et al. **Chir Narzadow Ruchu Ortop Pol** 1984;49(6):557–61 (Eng. Abstr.) **(Pol)**

[Data on the interrelations between a change in magnesium–phosphorus–calcium metabolism, accommodation function and the progression of myopia in children] Kolosov VI, et al. **Oftalmol Zh** 1984;(7):422-4 (Eng. Abstr.) **(Rus)**

[Phosphorus and calcium metabolism and its hormonal regulation in chronic kidney failure] Nikiforova NV, et al. **Ter Arkh** 1985;57(1):103-7 (Eng. Abstr.) **(Rus)**

[Hyperammoniemia and hypophosphoremia associated with Salmonella typhimurium sepsis (letter)] Labay Matías MV, et al. **An Esp Pediatr** 1984 Nov 30;21(8):785-6 **(Spa)**

[Measurement of calcium and phosphorus levels during pregnancy and the puerperium] Kunhardt Rasch J, et al. **Ginecol Obstet Mex** 1984 Nov;52(331):267-70 (Eng. Abstr.) **(Spa)**

[Primary hyperparathyroidism. Ca-P balance following parathyroidectomy] Barceló P, et al. **Rev Clin Esp** 1985 Jan;176(1):9-12 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Impaired hormonal stimulation in isolated hepatocytes of phosphorous depleted rats. Hörl WH, et al. **Adv Exp Med Biol** 1984;178:417-25

Activation of renal 1,25-dihydroxyvitamin D3 synthesis by phosphate deprivation: evidence for a role for growth hormone. Gray RW, et al. **Endocrinology** 1985 Jan; 116(1):189-93

Effect of dietary calcium and phosphorus depletion on vitamin D metabolism and calcium binding protein in the growing pig. Sommerville BA, et al. **Horm Metab Res** 1985 Feb;17(2):78-81

The time sequence of adaptive changes to dietary phosphorus deficiency in the chick. Sommerville BA, et al. **Horm Metab Res** 1985 May;17(5):247-50

Effects of low phosphorus and low calcium diets on the production and metabolic clearance rates of 1,25-dihydroxycholecalciferol in pigs. Fox J, et al. **J Endocrinol** 1985 May;105(2):169-73

Growth and estrous activity of rats fed adequate and deficient levels of phosphorus. Greene LW, et al. **J Nutr** 1985 Jun; 115(6):753-8

Egg shell quality, medullary bone ash, intestinal calcium and phosphorus absorption, and calcium-binding protein in phosphorus-deficient hens. Bar A, et al. **Poult Sci** 1984 Oct;63(10):1975-9

[Phosphorus depletion in 2 very-low-birth-weight premature infants fed human milk. A new cause of hypercalcemia?] Colonna F, et al. **Minerva Pediatr** 1984 Jun 30;36(12):617-20 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Adenosine triphosphate--magnesium chloride ameliorates reperfusion injury following ischemia as determined by phosphorus nuclear magnetic resonance. Sumpio BE, et al. **Arch Surg** 1985 Feb;120(2):233-40

In vivo MR spectroscopic imaging with P-31. Work in progress. Maudsley AA, et al. **Radiology** 1984 Dec; 153(3):745-50

METABOLISM

Adaptation to phosphorus depletion: effect of streptozotocin-induced diabetes mellitus. Kawanobe Y, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):120-3

Effect of calcitriol on serum 1,25 (OH) 2D3 levels and on renal phosphorous threshold in X-linked hypophosphatemic rickets. Mehls O, et al. **Adv Exp Med Biol** 1984,178:411-3

Phosphorus metabolites by NMR. Ross BD, et al. **Adv Exp Med Biol** 1984;178:455-64

Effect of vitamin D3 metabolites on calcium and phosphorus metabolism in chick embryos. Hart LE, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):E281-5

Investigation of human mitochondrial myopathies by phosphorus magnetic resonance spectroscopy. Arnold DL, et al. **Ann Neurol** 1985 Aug;18(2):189-96

Unique aspects of human newborn cerebral metabolism evaluated with phosphorus nuclear magnetic resonance spectroscopy. Younkin DP, et al. **Ann Neurol** 1984 Nov; 16(5):581-6

Phosphorus-31 nuclear magnetic resonance investigation of the in vivo regulation of intracellular pH in cell suspension cultures of Nicotiana tabacum: the effects of oxygen supply, nitrogen, and external pH change. Wray V, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):731-40

Calcium and phosphorus balance in extremely low birthweight infants in the first six weeks of life. Lyon AJ, et al. **Arch Dis Child** 1984 Dec;59(12):1145-50

Morphochemical analysis of phosphorus pools in calcifying cartilage. Kakuta S, et al. **Calcif Tissue Int** 1985 May; 37(3):293-9

Electron microprobe investigation of calcium and phosphorus concentration in human bone trabeculae--both normal and in posttraumatic osteopenia. Obrant KJ, et al. **Calcif Tissue Int** 1985 Mar;37(2):117-20

The effect of a single massive dose of vitamin D (D2 or D3), on calcium, phosphorus and nitrogen metabolism in osteomalacia. Zhu XY, et al. **Chin Med J [Engl]** 1984 Apr; 97(4):295-306

Longitudinal (T1) relaxation times of phosphorus metabolites in the bovine and rabbit lens. Schleich T, et al. **Exp Eye Res** 1984 Oct;39(4):455-68

Effects of intravenous administration of iron preparations on the metabolism of phosphorus. Comparative study on 3 iron preparations. Imamura K. **Fukuoka Igaku Zasshi** 1984 Jun;75(6):316-26

Correlation between potassium and phosphorus content and their nonuniform distribution in Acanthamoeba castellanii. Sobota A, et al. **Histochemistry** 1984;81(2):201-4

Effects of monensin on Mg, Ca, P and Zn metabolism and tissue concentrations in lambs. Kirk DJ, et al. **J Anim Sci** 1985 Jun;60(6):1485-90

Calcium and phosphorus absorption in lambs exposed to Trichostrongylus colubriformis. Poppi DP, et al. **J Comp Pathol** 1985 Jul;95(3):453-64

Effect of calcitonin on salivary phosphorus and calcium excretion in sheep. Matsui T, et al. **J Endocrinol** 1984 Sep; 102(3):365-8

Changes in brain phosphorus metabolites during the post-natal development of the rat. Tofts P, et al. **J Physiol (Lond)** 1985 Feb;359:417-29

Effects of Na+ depletion on fluid secretion and levels of phosphorus compounds as measured by 31P-NMR in perfused canine mandibular gland. Murakami M, et al. **Jpn J Physiol** 1984;34(4):587-97

Enhanced reabsorption of bicarbonate and phosphorus by the addition of amino acids in the isolated perfused rat kidney. Terao N, et al. **Kidney Int** 1985 Jun;27(6):951-3

Effect of subdermal oestrogen and oestrogen/testosterone implants on calcium and phosphorus homeostasis after oophorectomy. Ralston SH, et al. **Maturitas** 1984 Dec; 6(4):341-4

P-31 nuclear magnetic resonance analysis of brain: normoxic and anoxic brain slices. Cohen MM, et al. **Neurochem Res** 1984 Jun;9(6):785-801

Concentrations of total and ionic calcium, inorganic phosphorus, magnesium, and protein in maternal and fetal blood and in amniotic fluid in parathyroidectomized pregnant rats. Harada I, et al. **Nippon Juigaku Zasshi** 1985 Jun;47(3):403-11

Effects of age, milking and season on magnesium, calcium and inorganic phosphorus metabolisms in cows. Shiga A, et al. **Nippon Juigaku Zasshi** 1985 Apr;47(2):275-83

Phosphorus bioavailability in poultry nutrition. **Nutr Rev** 1984 Nov;42(11):387-9

Effect of prednisolone on the rat bone calcium, phosphorus and magnesium concentration. Simecková A, et al. **Physiol Bohemoslov** 1985;34(2):155-60

Influence of virginiamycin on phosphorus utilization by broiler chicks. Buresh RE, et al. **Poult Sci** 1985 Apr; 64(4):757-8

Phosphorous requirements of laying hens in a semiarid continental climate. Daghir NJ, et al. **Poult Sci** 1985 Jul; 64(7):1382-4

Combining solid-state and solution-state 31P NMR to study in vivo phosphorus metabolism. Cholli AL, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(2):391-5

The effects of feeding either roughage or concentrate diets on salivary phosphorus secretion, net intestinal phosphorus absorption and urinary phosphorus excretion in the sheep. Scott D, et al. **Q J Exp Physiol** 1985 Jul;70(3):365-75

Continuous noninvasive organ biochemistry and NMR imaging of brain. Haselgrove JC, et al. **Res Publ Assoc Res Nerv Ment Dis** 1985;63:271-84

The availability of fluoride from NaF and phosphorus supplements. Clay AB, et al. **Vet Hum Toxicol** 1985 Feb; 27(1):3-6

[Metabolic imbalances of calcium, phosphorus, nitrogen and magnesium in diabetic patients] Liao EY. **Chung Hua Nei Ko Tsa Chih** 1984 May;23(5):287-90 (Eng. Abstr.) **(Chi)**

[Comparative effects of magnesium deficiency and overload on calcium and phosphorus metabolism in the growing pig] Pointillart A, et al. **Magnesium** 1985;4(1):40-50 (Eng. Abstr.) **(Fre)**

[Anomalies of phospho-calcium metabolism during antiepileptic treatment] Marchesoni C, et al. **Pediatr Med Chir** 1983 Nov-Dec;5(6):571-3 (Eng. Abstr.) **(Ita)**

[Osteoporosis in patients with diabetes mellitus type 1 and 2. Roentgeno-morphometric evaluation and changes in various parameters of calcium-phosphorus metabolism] Gasińska T. **Pol Tyg Lek** 1984 Apr 30;39(18):603-7 (Eng. Abstr.) **(Pol)**

[Characteristics of plastic metabolism and inorganic phosphorus absorption in Lymnaea stagnalis L. in prolonged exposure to a toxic agent] Parina OV, et al. **Biol Nauki** 1985;(3):65-71 (Eng. Abstr.) **(Rus)**

[Effect of courses of acetylsalicylic acid and sodium salicylate administration on the carbohydrate-phosphorus metabolic indices in vascular tissue] Riabkov AN. **Farmakol Toksikol** 1985 May-Jun;48(3):80-3 (Eng. Abstr.) **(Rus)**

[Status of phosphorus-calcium metabolism and calcium-regulating systems in diabetes mellitus] Akhmedova ZG, et al. **Klin Med (Mosk)** 1985 Mar; 63(3):103-6 (Eng. Abstr.) **(Rus)**

[Hormones regulating phosphorus-calcium metabolism in patients with systemic lupus erythematosus nephritis and Bright disease] Strunin SE, et al. **Klin Med (Mosk)** 1985 Jun;63(6):61-4 (Eng. Abstr.) **(Rus)**

[Characteristics of the incorporation of phosphorus and calcium compounds in transplanted bones processed by different methods] Petrovich IuA, et al. **Stomatologiia (Mosk)** 1984 Sep-Oct;63(5):12-5 (Eng. Abstr.) **(Rus)**

[Serum concentrations of phenobarbital and the metabolism of calcium and phosphorus in children] Salazar T, et al. **Rev Chil Pediatr** 1984 Nov-Dec;55(6):407-10 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of calcium and phosphorus on zinc metabolism in man. Spencer H, et al. **Am J Clin Nutr** 1984 Dec;40(6):1213-8

The effect of differing dietary calcium and phosphorus contents on mineral metabolism and bone histomorphometry in young vitamin D-replete baboons. Pettifor JM, et al. **Calcif Tissue Int** 1984 Dec;36(6):668-76

Effect of dietary phosphorus levels on porcine renal 25-hydroxyvitamin D-1 alpha- and 24R-hydroxylase activities and plasma 1,25-dihydroxyvitamin D3 concentration. Engstrom GW, et al. **J Anim Sci** 1985 Apr; 60(4):1005-11

Effect of dietary phosphorus on selenium retention in postweaning swine. Lowry KR, et al. **J Anim Sci** 1985 Jun;60(6):1438-46

Influence of dietary calcium, phosphorus, zinc and sodium phytate level on cataract incidence, growth and histopathology in juvenile chinook salmon (Oncorhynchus tshawytscha). Richardson NL, et al. **J Nutr** 1985 May; 115(5):553-67

Effects of dietary calcium, phosphorus and magnesium on intranephronic calculosis in rats. Woodward JC, et al. **J Nutr** 1984 Dec;114(12):2331-8

Effects of vitamin D3, calcium, and phosphorus on growth and bone development of market turkeys. Stevens VI, et al. **Poult Sci** 1984 Aug;63(8):1571-85

[Bactericidal effect of the preparation trozin] Slavchev G, et al. **Vet Med Nauki** 1985;22(4):38-43 (Eng. Abstr.) **(Bul)**

PHYSIOLOGY

Early renal adaptation to dietary phosphorus restriction. Levine BS, et al. **Adv Exp Med Biol** 1984;178:93-101

[Fluid exchange in the rumen of sheep in low and adequate phosphorus administration] Breves G, et al. **DTW** 1985 Feb 7;92(2):47-9 (Eng. Abstr.) **(Ger)**

POISONING

Phosphorus trichloride toxicity. Preliminary report. Wason S, et al. **Am J Med** 1984 Dec;77(6):1039-42

[Dynamics of the liver enzyme profile of workers in the phosphorus industry and of patients with chronic phosphorus poisoning following the use of hyperbaric oxygenation] Beloskurskaia GI, et al. **Gig Tr Prof Zabol** 1984 Jul;(7):11-5 (Eng. Abstr.) **(Rus)**

[Membrane transport research in a lesion of the maxillodental system caused by yellow phosphorus] Ruzuddinov S. **Stomatologiia (Mosk)** 1985 Jan-Feb;64(1):11-3 (Eng. Abstr.) **(Rus)**

SECRETION

Release of P and K from yeast cells irradiated by vacuum UV below 170 nm. Matsumoto S, et al. **Radiat Environ Biophys** 1984;23(4):287-94

THERAPEUTIC USE

Healing of bone disease in X-linked hypophosphatemic rickets/osteomalacia. Induction and maintenance with phosphorus and calcitriol. Harrell RM, et al. **J Clin Invest** 1985 Jun;75(6):1858-68

Rickets of prematurity: calcium and phosphorus supplementation. Laing IA, et al. **J Pediatr** 1985 Feb; 106(2):265-8

Renal magnesium and phosphate wastage in a patient with hypercalciuria and nephrocalcinosis: effect of oral phosphorus and magnesium supplements. Ulmann A, et al. **Nephron** 1985;40(1):83-7

TOXICITY

Short-term systems to assess thiophosphoryl chloride standards. Coloşi-Esca D, et al. **J Appl Toxicol** 1984 Oct; 4(5):230-5

[X-ray analysis of bone in the mandibles of workers exposed to phosphorus and its inorganic compounds] Li QG, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1984 May; 18(3):155-7 (Eng. Abstr.) **(Chi)**

[Tissue changes in the maxillodental system of white rats maintained under the conditions of a phosphorus plant] Ruzuddinov S, et al. **Stomatologiia (Mosk)** 1984 Nov-Dec; 63(6):56-7 (Eng. Abstr.) **(Rus)**

URINE

Effects of theophylline on urinary excretion of cyclic AMP, calcium, and phosphorus in normal subjects. Colin AA, et al. **Miner Electrolyte Metab** 1984;10(6):359-61

Influence of indwelling urinary tract stones on twenty-four-hour urine chemistries. Laor E, et al. **Urology** 1985 Jun;25(6):588-90

[Relations between oral glucose load and urinary elimination of calcium and phosphorus in healthy men with normal body weight] Berthelay S, et al. **Nephrologie** 1984; 5(5):205-7 (Eng. Abstr.) **(Fre)**

PHOSPHORUS METABOLISM DISORDERS

THERAPY

[Treatment of hyperphosphatemia in chronic renal failure] Babarykin DA, et al. **Ter Arkh** 1984;56(7):64-6 (Eng. Abstr.) **(Rus)**

PHOSPHORUS RADIOISOTOPES

Enzymatic synthesis of uniformly 32P-labeled polyribonucleotides and high-specific-activity ribonucleoside 5'-[alpha-32P]diphosphates. Kang C, et al. **Anal Biochem** 1985 Jan;144(1):291-5

An enzymatic method for radiolabeling vertebrate vitellogenin. Opresko L, et al. **Anal Biochem** 1984 Aug 1;140(2):372-9

ADMINISTRATION & DOSAGE

Dose estimation to the infant from breast milk following intraperitoneal administration of chromic phosphate 32P for the treatment of early ovarian cancer. Sharma SC, et al. **Health Phys** 1984 Sep;47(3):452-4

ADVERSE EFFECTS

Biosynthetic labeling with 32P: radiation damage to mammalian cells. Cooper PC, et al. **Anal Biochem** 1985 Feb 1;144(2):329-35

Complications from intraperitoneal radioactive phosphorus in ovarian malignancies. Bakri YN, et al. **Gynecol Oncol** 1985 Jul;21(3):294-9

Salivary gland tumors induced by 32P. Espinal EG, et al. **J Oral Pathol** 1984 Dec;13(6):686-91

DIAGNOSTIC USE

The labelling of magnetically responsive particles with 99mTc and 32P. Lichtenstein M, et al. **Int J Nucl Med Biol** 1984;11(2):153-8

31P nuclear magnetic resonance spectroscopic investigation of human neuroblastoma in situ. Maris JM, et al. **N Engl J Med** 1985 Jun 6;312(23):1500-5

Potential radiation dose to a breast-fed infant following administration of sodium 32P-phosphate to the mother. Mountford PJ, et al. **Nucl Med Commun** 1984 Jul;5(7):473-6

[Use of 32P in the assessment of circulatory reconstruction of skin flaps and its clinical application] Cao ZM. **Chung Hua Wai Ko Tsa Chih** 1984 Nov;22(11):683-4, 702 (Eng. Abstr.) **(Chi)**

[Diagnostic value of the use of P-32 in gynecological surgery] Poral-Koshits KV. **Akush Ginekol (Mosk)** 1984 Nov;(11):75-7 **(Rus)**

[Combined colonoscopic and radiometric diagnosis of recurrences of cancer of the large intestine] Poddubnyi BK, et al. **Klin Med (Mosk)** 1984 Jul;62(7):90-2 **(Rus)**

[Incorporation of radioactive phosphorus into creatine phosphate of the rabbit myocardium in experimental coronary insufficiency] Voronkov GS, et al. **Ukr Biokhim Zh** 1985 Jul-Aug;57(4):67-9 (Eng. Abstr.) **(Rus)**

[Role and evaluation of radiometry using 32P in the diagnosis of cancer of the prostate] Battke Kh, et al. **Urol Nefrol (Mosk)** 1984 Nov-Dec;(6):25-7 (Eng. Abstr.) **(Rus)**

METABOLISM

[Circadian rhythm of adenosine triphosphatase activity and 32P content in Pliss lymphosarcoma] Seitkazina GD, et al. **Vopr Med Khim** 1984;30(6):38-40 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Changes in lymphoid cell distribution after intraperitoneal administration of 32P colloids. Onsrud M, et al. **Acta Radiol [Oncol]** 1985 Jul-Aug;24(4):331-5

Intraperitoneal chromic phosphate P 32 suspension therapy of malignant peritoneal cytology in endometrial carcinoma. Soper JT, et al. **Am J Obstet Gynecol** 1985 Sep 15; 153(2):191-6

Carcinoma of the prostate: the treatment of bone metastases by radioactive phosphorus (32P). Ariel IM, et al. **Int Surg** 1985 Jan-Mar;70(1):63-6

[Results of treatment of chronic exudative inflammation of the knee joint by isotope synoviorthesis using P-32 in the light of our studies] Fiedorowicz-Fabrycy I. **Ann Acad Med Stetin** 1984;30:321-57 (Eng. Abstr.) **(Pol)**

[Beta-therapy (32P) of chronic eczema] Vlakhov N, et al. **Med Radiol (Mosk)** 1985 Feb;30(2):69-70 (Eng. Abstr.) **(Rus)**

[Polycythemia vera and its treatment with radioactive phosphorus (32P)] Antić M. **Vojnosanit Pregl** 1984 Nov-Dec;41(6):451-63 **(Ser)**

PHOSPHORYLASE A see under **GLYCOGEN PHOSPHORYLASE**

PHOSPHORYLASE B see under **GLYCOGEN PHOSPHORYLASE**

PHOSPHORYLASE KINASE

Homology of the gamma subunit of phosphorylase b kinase with cAMP-dependent protein kinase. Reimann EM, et al. **Biochemistry** 1984 Aug 28;23(18):4185-92

Two-dimensional electron microscopic analysis of the chalice form of phosphorylase kinase. Schramm HJ, et al. **J Mol Biol** 1985 Feb 20;181(4):503-16

ANALYSIS

Study of properties of phosphorylase kinase using hydrophobic chromatography. Pegova AN, et al. **Biochem Int** 1985 Jun;10(6):927-35

ANTAGONISTS & INHIBITORS

Inhibition of phosphorylase kinase, and tyrosine protein kinase activities by quercetin. Srivastava AK. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):1-5

DEFICIENCY

Blood glucose homeostasis in rats with a deficiency of liver phosphorylase kinase. Conaglen JC, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E44-50

Hormonal regulation of L-type pyruvate kinase in hepatocytes from phosphorylase kinase-deficient (gsd/gsd) rats. Clark MG, et al. **Biochem J** 1984 Dec 15;224(3):863-9

Lymphocyte phosphorylase kinase activities in the sex-linked form of liver phosphorylase kinase deficiency. Goji K, et al. **Eur J Pediatr** 1985 Jan;143(3):179-82

Glycogen storage disease confined to the heart with deficient activity of cardiac phosphorylase kinase: a new type of glycogen storage disease. Eishi Y, et al. **Hum Pathol** 1985 Feb;16(2):193-7

IMMUNOLOGY

Activation and inhibition of phosphorylase kinase by monospecific antibodies against preparatively isolated alpha, beta and gamma subunits. Jennissen HP, et al. **Eur J Biochem** 1985 Mar 15;147(3):619-30

ISOLATION & PURIFICATION

Phosphorylase kinase from chicken gizzard. Partial purification and characterization. Nikolaropoulos S, et al. **Eur J Biochem** 1985 Sep 16;151(3):467-73

Micropreparative protein purification by reversed-phase high-performance liquid chromatography. Crabb JW, et al. **J Chromatogr** 1984 Jul 27;296:129-41

METABOLISM

The control of phosphorylase kinase phosphatase activity by polycations and the deinhibitor protein. Goris J, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):293-8

Stimulation of the cyclic AMP-dependent protein kinase-catalyzed phosphorylation of phosphorylase kinase by micromolar concentrations of spermine. Singh TJ, et al. **Biochem Biophys Res Commun** 1985 Aug 15; 130(3):1308-13

Calcium- and calmodulin-dependent phosphorylase kinase activity in porcine uterine smooth muscle. Tsutou A, et al. **Biochem Biophys Res Commun** 1985 Jan 16; 126(1):544-50

Stimulation of autophosphorylation of rabbit skeletal muscle phosphorylase kinase by glycogen synthase on glycogen particles. Negami A, et al. **Biochem Int** 1985 Jan;10(1):71-8

Rabbit liver phosphorylase a phosphatase: regulation by glucose and caffeine. Monanu MO, et al. **Can J Biochem Cell Biol** 1985 Feb;63(2):115-21

Comparison of enzyme activities on glycogen metabolism in rabbit slow and fast muscles. Tsutou A, et al. **Comp Biochem Physiol [B]** 1985;81(3):641-5

Dual function of calmodulin (delta) in phosphorylase kinase. Hessová Z, et al. **Eur J Biochem** 1985 Jan 2;146(1):107-15

ADP-ribosylation of phosphorylase kinase and block of phosphate incorporation into the enzyme. Tsuchiya M, et al. **Eur J Biochem** 1985 Feb 15;147(1):33-40

Ca2+-dependent stimulation of muscle and liver phosphorylase kinase by heparin. Erdödi F, et al. **Int J Biochem** 1984;16(12):1391-4

Effect of free Mg2+ on liver phosphorylase kinase activity. Hashimoto E, et al. **J Biochem (Tokyo)** 1984 Aug; 96(2):299-303

Adenosine 5'-diphosphate as an allosteric effector of phosphorylase kinase from rabbit skeletal muscle. Cheng A, et al. **J Biol Chem** 1985 Feb 25;260(4):2535-42

Effects of altered thyroid status on beta-adrenergic actions on skeletal muscle glycogen metabolism. Chu DT, et al. **J Biol Chem** 1985 Aug 25;260(18):9994-10000

Monoclonal antibodies to rabbit skeletal muscle phosphorylase kinase. Probes for studies of subunit function. Hessová Z, et al. **J Biol Chem** 1985 Aug 25; 260(18):10111-7

Subunit phosphorylation and activation of skeletal muscle phosphorylase kinase by the cAMP-dependent protein kinase. Divalent metal ion, ATP, and protein concentration dependence. Pickett-Gies CA, et al. **J Biol Chem** 1985 Feb 25;260(4):2046-56

Comparison of the phosphorylation of rabbit skeletal muscle phosphorylase kinase by cAMP-dependent protein kinase and cAMP-independent glycogen synthase (casein) kinase-1. Singh TJ, et al. **J Biol Chem** 1984 Oct 25; 259(20):12857-64

[The interaction of glycogen particle and its metabolic enzymes in the regulation of glycogen metabolism] Yamamura H, et al. **Seikagaku** 1984 Oct;56(10):1280-8 (44 ref.) **(Jpn)**

PHOSPHORYLASE PHOSPHATASE see under **PHOSPHOPROTEIN PHOSPHATASES**

PHOSPHORYLATION see under **CHEMISTRY, ORGANIC**

PHOSPHORYLCHOLINE see under **CHOLINE**

PHOSPHOSERINE see under **SERINE**

PHOSPHOTHREONINE see under **THREONINE**

PHOSPHOTRANSFERASES

ANALYSIS

Hybrid forms of phosphoglycerate mutase and 2,3-bisphosphoglycerate synthase-phosphatase. Pons G, et al. **Biochem Biophys Res Commun** 1985 Jun 28; 129(3):658-63

Enzymatic detection of phospholipid biosynthetic enzymes after electroblotting. Poole MA, et al. **J Bacteriol** 1985 Feb; 161(2):772-4

ANTAGONISTS & INHIBITORS

Inactivation of rabbit muscle phosphoglycerate mutase by limited proteolysis with thermolysin. Price NC, et al. **Biochem J** 1985 Jul 1;229(1):167-71

Do vanadate polyanions inhibit phosphotransferase enzymes? Boyd DW, et al. **Biochim Biophys Acta** 1985 Mar 1; 827(3):472-5

Inhibition of phosphatidylinositol synthase and other membrane-associated enzymes by stereoisomers of hexachlorocyclohexane. Parries GS, et al. **J Biol Chem** 1985 Mar 10;260(5):2687-93

BLOOD

Inhibition of platelet phosphatidylinositol synthetase by an analog of CDP-diacylglycerol. Vargas LA, et al. **Biochim Biophys Acta** 1984 Nov 14;796(2):123-8

Cholinephosphotransferase and ethanolaminephosphotransferase activities in Plasmodium knowlesi-infected erythrocytes. Their use as parasite-specific markers. Vial HJ, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):372-83

Spectrophotometric assay of bisphosphoglycerate mutase: a reexamination of Rapoport-Luebering's method. Pineda M, et al. **Biomed Biochim Acta** 1984;43(7):919-27

Synthesis and levels of organic phosphates in erythrocytes during avian development: specific formation of BPG and IP5 in two distinct populations from young chicks. Ruiz-Ruano A, et al. **Cell Biochem Funct** 1984 Oct; 2(4):257-62

Glucose-1,6-P2 synthesis, phosphoglucomutase and phosphoribomutase correlate with glucose-1,6-P2 concentration in mammals red blood cells. Accorsi A, et al. **Comp Biochem Physiol [B]** 1985;80(4):839-42

Plasma phosphoglycerate mutase as a marker of muscular dystrophy. Chown PJ, et al. **J Neurol Sci** 1984 Aug; 65(2):201-10

DEFICIENCY

Physiologic assessment of phosphoglycerate mutase deficiency: incremental exercise test. Kissel JT, et al. **Neurology** 1985 Jun;35(6):828-33

GENETICS

Biosynthesis of membrane-derived oligosaccharides: characterization of mdoB mutants defective in phosphoglycerol transferase I activity. Jackson BJ, et al. **J Bacteriol** 1984 Dec;160(3):976-81

Regulation of phospholipid synthesis in phosphatidylserine synthase-deficient (chol) mutants of Saccharomyces cerevisiae. Letts VA, et al. **J Bacteriol** 1985 Aug; 163(2):560-7

Molecular cloning of the cls gene responsible for cardiolipin synthesis in Escherichia coli and phenotypic consequences of its amplification. Ohta A, et al. **J Bacteriol** 1985 Aug; 163(2):506-14

Alteration of phospholipid composition by combined defects in phosphatidylserine and cardiolipin synthases and physiological consequences in Escherichia coli Shibuya I, et al. **J Bacteriol** 1985 Mar;161(3):1086-92

Asparagine-linked glycosylation in Saccharomyces cerevisiae: genetic analysis of an early step. Barnes G, et al. **Mol Cell Biol** 1984 Nov;4(11):2381-8

ISOLATION & PURIFICATION

Phosphatidylinositol synthase from canine pancreas: solubilization by n-octyl glucopyranoside and stabilization by manganese. Parries GS, et al. **Biochemistry** 1984 Sep 25;23(20):4785-91

Purification of phosphatidylinositol synthetase from rat brain by CDP-diacylglycerol affinity chromatography and properties of the purified enzyme. Ghalayini A, et al. **J Neurochem** 1985 Jan;44(1):175-82

UDP-N-acetylglucosamine: lysosomal enzyme N-acetylglucosamine-1-phosphotransferase. Reitman ML, et al. **Methods Enzymol** 1984;107:163-72

METABOLISM

Continuous regeneration of ATP for enzymatic syntheses. Berke W, et al. **Ann NY Acad Sci** 1984;434:257-8

Evidence that glucose and sucrose uptake in oral streptococcal bacteria involves independent phosphotransferase and proton-motive force-mediated mechanisms. Keevil CW, et al. **Arch Oral Biol** 1984; 29(11):871-8

A source of apparent pyrophosphate:fructose 6-phosphate phosphotransferase activity in rabbit muscle phosphofructokinase. Kruger NJ, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):320-6

Pyrophosphate:fructose 6-phosphate 1-phosphotransferase and glycolysis in non-photosynthetic tissues of higher plants. ap Rees T, et al. **Biochem J** 1985 Apr 1; 227(1):299-304

Carbamyl phosphate glucose transferase activity of glucose-6-phosphatase in the isolated rat hepatocyte. Crozier GL, et al. **Biochem Med** 1984 Dec;32(3):379-86

Evidence for active intermediates during the reconstitution of yeast phosphoglycerate mutase. Hermann R, et al. **Biochemistry** 1985 Apr 9;24(8):1817-21

Acyl specificity of hamster heart CDP-choline 1,2-diacylglycerol phosphocholine transferase in phosphatidylcholine biosynthesis. Arthur G, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):221-9

A study of the molecular species of diacylglycerol, phosphatidylcholine and phosphatidylethanolamine and of cholinephosphotransferase and ethanolaminephosphotransferase activities in the type II pneumocyte. Crecelius CA, et al. **Biochim Biophys Acta** 1984 Sep 12;795(2):247-56

Studies on enzyme-substrate interactions of cholinephosphotransferase from rat liver. Pontoni G, et al. **Biochim Biophys Acta** 1985 Sep 11;836(2):222-32

Hexose metabolism in pancreatic islets: phosphoglycerate 2,3-mutase and enolase activities in rat islets. Malaisse-Lagae F, et al. **Biochimie** 1984 Nov-Dec; 66(11-12):723-5

The effects of detergents on CDP-choline:1,2-diacylglycerol phosphocholine transferase from hamster heart. Arthur G, et al. **Can J Biochem Cell Biol** 1984 Nov;62(11):1059-63

Changes in enzyme activities involved in the degradation of 1,3-bisphosphoglycerate during erythropoiesis in rat bone marrow. Pineda M, et al. **Cell Biochem Funct** 1984 Oct;2(4):254-6

Metabolism of glycerate-2,3-P2--VII. Enzymes involved in the metabolism of glycerate-2,3-P2 in cat tissues. Pons G, et al. **Comp Biochem Physiol [B]** 1985;80(3):551-6

31P NMR spin-transfer in the phosphoglyceromutase reaction. Robinson G, et al. **Eur J Biochem** 1984 Sep 17; 143(3):643-9

Role of inositol-containing sphingolipids in Saccharomyces cerevisiae during inositol starvation. Hanson BA. **J Bacteriol** 1984 Sep;159(3):837-42

Characterization of an Escherichia coli mdoB mutant strain unable to transfer sn-1-phosphoglycerol to membrane-derived oligosaccharides. Fiedler W, et al. **J Biol Chem** 1985 Apr 25;260(8):4799-806

Lysosomal enzyme phosphorylation. Recognition of a protein-dependent determinant allows specific phosphorylation of oligosaccharides present on lysosomal enzymes. Lang L, et al. **J Biol Chem** 1984 Dec 10; 259(23):14663-71

Differential selectivity of cholinephosphotransferase and ethanolaminephosphotransferase of Tetrahymena for diacylglycerol and alkylacylglycerol. Smith JD. **J Biol Chem** 1985 Feb 25;260(4):2064-8

Sidedness of phosphatidylcholine-synthesizing enzymes in rat brain microsomal vesicles. Arienti G, et al. **J Neurochem** 1985 Jan;44(1):38-41

Properties of phosphoglyceromutase from rabbit masseters--comparisons with some properties of 2,3-bisphosphoglycerate phosphate. Maeno M, et al. **J Nihon Univ Sch Dent** 1984 Jun;26(2):97-108

Effect of vanadate on brain protein phosphorylation. Křivánek J. **Neurochem Res** 1984 Nov;9(11):1627-40

[Kinetic mechanism of phosphotransferase reactions catalyzed by cAMP-dependent protein kinase type I and type II from rabbit skeletal muscle] Petukhov SP, et al. **Biokhimiia** 1984 Aug;49(8):1367-74 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Stability of enzymes inactivating aminoglycoside antibiotics] Taisova AS, et al. **Antibiotiki** 1984 Sep;29(9):649-53 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Temporal relationships between isometric force, phosphorylase, and protein kinase activities in vascular smooth muscle. Galvas PE, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):254-60

PHOSPHOTRANSFERASES, ATP

Studies on adenosine triphosphate transphosphorylases. Amino acid sequence of rabbit muscle ATP-AMP transphosphorylase. Kuby SA, et al. **Biochemistry** 1984 May 22;23(11):2393-9

NAD+ kinase: molecular weight determination by low-angle laser-light scattering. Gabriel MK, et al. **FEBS Lett** 1984 Oct 1;175(2):419-21

Assignment of aromatic spin systems in the 1H nuclear magnetic resonance spectrum of adenylate kinase. Rösch P, et al. **J Mol Biol** 1985 Mar 20;182(2):341-5

Two dimensional double-quantum and COSY spectra of porcine adenylate kinase. Rösch P, et al. **Z Naturforsch [C]** 1984 Jul-Aug;39(7-8):738-41

ANALYSIS

Quantitative in situ gel electrophoretic assay for neomycin phosphotransferase activity in mammalian cell lysates. Fregien N, et al. **Anal Biochem** 1985 Jul;148(1):101-4

Assay of aminoglycoside phosphotransferase in situ. Kiselev VI, et al. **Anal Biochem** 1985 May 1;146(2):434-6

Improved procedures for the synthesis of phosphomevalonate and for the assay and purification of pig liver phosphomevalonate kinase. Lee CS, et al. **Biochim Biophys Acta** 1985 Mar 29;839(1):83-9

Biochemical measure of the volume doubling time of human pulmonary neoplasms. Greengard O, et al. **Cancer** 1985 Apr 1;55(7):1530-5

Oncodevelopmental enzymes of the Dunning rat prostatic adenocarcinoma. Hall M, et al. **Cancer Res** 1985 Sep; 45(9):4053-9

A new sensitive method for qualitative and quantitative assay of neomycin phosphotransferase in crude cell extracts. Reiss B, et al. **Gene** 1984 Oct;30(1-3):211-7

Simultaneous assay of choline kinase and choline oxidase in tissue by high-performance cation-exchange chromatography and continuous radioactive detection. Nelson LD, et al. **J Chromatogr** 1985 May 17;324(1):203-8

Phosphomevalonate kinase from pig liver. Eyzaguirre J, et al. **Methods Enzymol** 1985;110:78-85

Mevalonate kinase. Porter JW. **Methods Enzymol** 1985; 110:71-8

[Quaternary structure of NAD-kinase of rabbit liver during fermentation reactions] Telepneva VI. **Dokl Akad Nauk SSSR** 1985 May-Jun;282(1):224-8 **(Rus)**

[Determination of kinase activity by using an enzyme electrode] Kurtinaitene BS, et al. **Prikl Biokhim Mikrobiol** 1985 Jan-Feb;21(1):141-4 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of phosphatidylinositol-4-phosphate kinase by its product phosphatidylinositol-4,5-bisphosphate. Van Rooijen LA, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):150-5

(+/-)2,3-Dihydroxypropyl dichloroacetate, an inhibitor of glycerol kinase. Tisdale MJ, et al. **Cancer Biochem Biophys** 1984 Sep;7(3):253-9

Creatine phosphate does not inhibit human adenylate kinases [letter] Nealon DA. **Clin Chem** 1984 Oct;30(10):1714-5

Relative inhibition of human adenylate kinase and creatine kinase isoenzymes by adenosine 5'-monophosphate and diadenosine pentaphosphate [letter] Nealon DA. **Clin Chem** 1985 Feb;31(2):333-4

Inactivation of muscle adenylate kinase by site-specific destruction of tyrosine 95 using potassium ferrate. Crivellone MD, et al. **J Biol Chem** 1985 Mar 10; 260(5):2657-61

Cyclopentenyluridine and cyclopentenylcytidine analogues as inhibitors of uridine-cytidine kinase. Lim MI, et al. **J Med Chem** 1984 Dec;27(12):1536-8

BIOSYNTHESIS

Rat cytomegalovirus induces cellular purine and pyrimidine nucleoside kinases in rat embryo fibroblasts and TK- rat-2 cells. Correlations with the antiviral activity of Acyclovir. Meijer H, et al. **Arch Virol** 1985;83(3-4):181-94

Nucleosidediphosphate-kinase induction by human recombinant IL-2 in mouse NK cells. Ohtsuki K, et al. **Biochem Int** 1985 Jan;10(1):13-21

Epstein-Barr virus induces a unique pyrimidine deoxynucleoside kinase activity in superinfected and virus-producer B cell lines. Stinchcombe T, et al. **Biochemistry** 1985 Apr 9;24(8):2027-33

Physiological and morphological effects of overproduction of membrane-bound ATP synthase in Escherichia coli K-12. von Meyenburg K, et al. **EMBO J** 1984 Aug; 3(8):1791-7

Enzymatic modification of aminoglycoside antibiotics in gentamicin-resistant gram-negative bacteria. Kettner M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Aug; 257(3):372-82

BLOOD

A spectrophotometric assay of phosphoribosyl pyrophosphate synthetase. Braven J, et al. **Ann Clin Biochem** 1984 Sep;21 (Pt 5):366-71

Calmodulin-dependent NAD kinase of human neutrophils. Williams MB, et al. **Arch Biochem Biophys** 1985 Feb 15; 237(1):80-7

Several dehydrogenases and kinases compete for endocytosis from plasma by rat tissues. Bijsterbosch MK, et al. **Biochem J** 1985 Jul 15;229(2):409-17

Phosphorylation of the antiviral precursor 9-(1,3-dihydroxy-2-propoxymethyl)guanine monophosphate by guanylate kinase isozymes. Boehme RE. **J Biol Chem** 1984 Oct 25;259(20):12346-9

DEFICIENCY

Adrenal dysfunction in glycerol kinase deficiency. Seltzer WK, et al. **Biochem Med** 1985 Apr;33(2):189-99 (30 ref.)

Isolation and characterization of a deoxycytidine kinase-deficient human promyelocytic leukemic cell line highly resistant to 1-beta-D- arabinofuranosylcytosine. Bhalla K, et al. **Cancer Res** 1984 Nov;44(11):5029-37

Inhibition of metabolic cooperation by phorbol esters in a cell culture system based on adenosine kinase deficient mutants of V79 cells. Gupta RS, et al. **Carcinogenesis** 1985 Sep;6(9):1359-66

Complex glycerol kinase deficiency syndrome explained as X-chromosomal deletion [letter] Wieringa B, et al. **Clin Genet** 1985 May;27(5):522-3

Characterization of a Salmonella typhimurium mutant defective in phosphoribosylpyrophosphate synthetase. Jochimsen BU, et al. **J Gen Microbiol** 1985 Feb;131 (Pt 2):245-52

Characterization of a mutant Leishmania donovani deficient in adenosine kinase activity. Iovannisci DM, et al. **Mol Biochem Parasitol** 1984 Jun;12(2):139-51

Glycerol kinase deficiency inhibits glycerol utilization in phosphoglyceride and triacylglycerol biosynthesis. Bartley JA, et al. **Pediatr Res** 1985 Mar;19(3):313-4

[Pseudohypertriglyceridemia in glycerokinase deficiency] Wirth A, et al. **Dtsch Med Wochenschr** 1985 May 24; 110(21):843-7 (Eng. Abstr.) **(Ger)**

[Case of adrenal insufficiency, nonspecific myopathy, psychomotor retardation and glyceroluria--glycerol kinase deficiency?] Yoshimoto M, et al. **No To Hattatsu** 1984 Jul; 16(4):328-9 **(Jpn)**

GENETICS

Genetic markers in a Malaysian population: variants of uridine monophosphate kinase (UMPK), phosphoglycolate phosphatase (PGP) and pancreatic amylase (AMY2). Zarinah KH, et al. **Ann Hum Biol** 1984 Nov-Dec; 11(6):533-6

Development of two DNA probes for differentiating the structural genes of subclasses I and II of the aminoglycoside-modifying enzyme 3'-aminoglycoside phosphotransferase. Young SA, et al. **Antimicrob Agents Chemother** 1985 May;27(5):739-44

Cloning and expression in Streptomyces lividans of a paromomycin phosphotransferase from Streptomyces rimosus Forma paromomycinus. Pérez-González JA, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):895-901

Non-random patterns of nucleotide substitutions and codon strategy in the mammalian mitochondrial genes coding for identified and unidentified reading frames. Pepe G, et al. **Biochem Int** 1983 Apr;6(4):553-63

The unc operon. Nucleotide sequence, regulation and structure of ATP-synthase. Walker JE, et al. **Biochim Biophys Acta** 1984 Sep 6;768(2):164-200 (130 ref.)

Regulation of the expression of the tufB operon: DNA sequences directly involved in the stringent control. Mizushima-Sugano J, et al. **EMBO J** 1985 Apr;4(4):1053-8

Protein fusions with the kanamycin resistance gene from transposon Tn5. Reiss B, et al. **EMBO J** 1984 Dec 20; 3(13):3317-22

Selective cloning of Bacillus subtilis xylose isomerase and xylulokinase in Escherichia coli genes by IS5-mediated expression. Wilhelm M, et al. **EMBO J** 1984 Nov; 3(11):2555-60

Construction of a fusion gene that confers resistance against hygromycin B to mammalian cells in culture. Bernard HU, et al. **Exp Cell Res** 1985 May;158(1):237-43

Identification and partial DNA sequence of the gene for the alpha-subunit of the ATP synthase complex of Chlamydomonas reinhardii chloroplasts. Hallick RB. **FEBS Lett** 1984 Nov 19;177(2):374-6

Molecular cloning and expression in Streptomyces lividans of a streptomycin 6-phosphotransferase gene from a streptomycin-producing microorganism. Shinkawa H, et al. **FEBS Lett** 1985 Feb 25;181(2):385-9

The araBAD operon of Salmonella typhimurium LT2. I. Nucleotide sequence of araB and primary structure of its product, ribulokinase. Lin HC, et al. **Gene** 1985; 34(1):111-22

Cloning and structure of the gene for the subunits of aspartokinase II from Bacillus subtilis. Bondaryk RP, et al. **J Biol Chem** 1985 Jan 10;260(1):585-91

Expression of the gene for Bacillus subtilis aspartokinase II in Escherichia coli. Bondaryk RP, et al. **J Biol Chem** 1985 Jan 10;260(1):592-7

Analysis of adenosine kinase mutants of baby hamster kidney cells using affinity-purified antibody. Juranka P, et al. **J Biol Chem** 1985 Jun 25;260(12):7738-43

Acetylglutamate kinase-acetylglutamyl-phosphate reductase complex of Neurospora crassa. Evidence for two polypeptides. Wandinger-Ness AU, et al. **J Biol Chem** 1985 May 25;260(10):5974-8

Possible translocation of a gene for thymidylate kinase from the chloroplast to the nuclear genome during evolution. de Groot EJ, et al. **J Cell Sci** 1984 Dec;72:15-21

Simultaneous electrophoretic determination of phosphoglucomutase subtypes, adenosine deaminase, erythrocyte acid phosphatase, and adenylate kinase enzyme phenotypes. Wolson TL, et al. **J Forensic Sci** 1985 Jul; 30(3):904-7

Proposed assignment of loci for X-linked adrenal hypoplasia and glycerol kinase genes [letter] Hammond J, et al. **Lancet** 1985 Jan 5;1(8419):54

Uridine monophosphate kinase 3: a genetic marker for susceptibility to Haemophilus influenzae type B disease. Petersen GM, et al. **Lancet** 1985 Aug 24;2(8452):417-9

Circadian rhythms in Neurospora crassa: the effects of point mutations on the proteolipid portion of the mitochondrial ATP synthetase. Brody S, et al. **MGG** 1985;200(1):155-61

Streptomycin-sensitivity in Streptomyces glaucescens is due to deletions comprising the structural gene coding for a specific phosphotransferase. Hintermann G. et al. **MGG** 1984;196(3):513-20

Hygromycin B phosphotransferase as a selectable marker for DNA transfer experiments with higher eucaryotic cells. Blochlinger K, et al. **Mol Cell Biol** 1984 Dec;4(12):2929-31

An adenosine kinase mutation in baby hamster kidney cells causing increased sensitivity to adenosine. Juranka P, et al. **Mutat Res** 1984 Dec;129(3):397-402

Biogenesis of mitochondria: DNA sequence analysis of mit- mutations in the mitochondrial oli1 gene coding for mitochondrial ATPase subunit 9 in Saccharomyces cerevisiae. Ooi BG, et al. **Nucleic Acids Res** 1985 Feb 25; 13(4):1327-39

Yeast gene CDC8 encodes thymidylate kinase and is complemented by herpes thymidine kinase gene TK. Sclafani RA, et al. **Proc Natl Acad Sci USA** 1984 Sep; 81(18):5821-5

Cytological localization of adenosine kinase, nucleoside phosphorylase-1, and esterase-10 genes on mouse chromosome 14. Samuelson LC, et al. **Somatic Cell Mol Genet** 1985 Mar;11(2):157-65

IMMUNOLOGY

Immunochemical characterization of pyrimidine kinase induced by varicella-zoster virus. Shiraki K, et al. **J Gen Virol** 1985 Feb;66 (Pt 2):221-9

ISOLATION & PURIFICATION

Properties of brain dolichol kinase activity solubilized with a zwitterionic detergent. Sumbilla C, et al. **Arch Biochem Biophys** 1985 Apr;238(1):75-82

Gluconate kinase from Zymomonas mobilis: isolation and characteristics. Zachariou M, et al. **Biochem Int** 1985 Mar; 10(3):367-71

Epstein-Barr virus induces a unique pyrimidine deoxynucleoside kinase activity in superinfected and virus-producer B cell lines. Stinchcombe T, et al. **Biochemistry** 1985 Apr 9;24(8):2027-33

Purification and kinetic properties of polynucleotide kinase from rat testes. Bosdal T, et al. **Biochim Biophys Acta** 1985 Jun 18;840(2):280-6

Complete co-purification of choline kinase and ethanolamine kinase from rat kidney and immunological evidence for both kinase activities residing on the same enzyme protein(s) in rat tissues. Ishidate K, et al. **Biochim Biophys Acta** 1985 Aug 22;836(1):119-24

Evidence for the existence of multiple forms of choline (ethanolamine) kinase in rat tissues. Ishidate K, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):1-8

Nucleoside diphosphate kinase from brain. Purification and effect on microtubule assembly in vitro. Huitorel P, et al. **Eur J Biochem** 1984 Oct 15;144(2):233-41

Adenosine kinase from bovine adrenal medulla. Rotllan P, et al. **Eur J Biochem** 1985 Sep 2;151(2):365-71

5'-Hydroxyl RNA kinase from mouse L cells. Sertic-Pritsos K, et al. **Eur J Biochem** 1984 Oct 1;144(1):47-55

Isolation of the aspartokinase domain of bifunctional aspartokinase I-homoserine dehydrogenase I from E.coli K12. Veron M, et al. **FEBS Lett** 1985 Feb 25;181(2):381-4

Purification and properties of dihydroxyacetone kinase from Klebsiella pneumoniae. Johnson EA, et al. **J Bacteriol** 1984 Oct;160(1):55-60

Complete purification of choline kinase from rat kidney and preparation of rabbit antibody against rat kidney choline kinase. Ishidate K, et al. **J Biol Chem** 1984 Dec 10; 259(23):14706-10

sn-1,2-Diacylglycerol kinase of Escherichia coli. Purification, reconstitution, and partial amino- and carboxyl-terminal analysis. Loomis CR, et al. **J Biol Chem** 1985 Apr 10;260(7):4091-7

Uridine kinase from Ehrlich ascites carcinoma. Purification and properties of homogeneous enzyme. Payne RC, et al. **J Biol Chem** 1985 Aug 25;260(18):10242-7

Separation and characterization of a phosphatidylinositol kinase activity that co-purifies with the epidermal growth factor receptor. Thompson DM, et al. **J Biol Chem** 1985 Jul 25;260(15):8824-30

Radioenzymatic assay of plasma mevalonate. Parker TS, et al. **Methods Enzymol** 1985;110:58-71

Adenylate kinase from rat liver: molecular properties and structural comparison with yeast enzyme. Watanabe K, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):63-72

Purification and properties of adenosine kinase from rat liver: separation from deoxyadenosine kinase activity. Drabikowska AK, et al. **Z Naturforsch [C]** 1985 Jan-Feb; 40(1-2):34-41

METABOLISM

An enzymatic assay for calmodulins based on plant NAD kinase activity. Harmon AC, et al. **Anal Biochem** 1984 Aug 15;141(1):168-78

Immobilization of NAD kinase. Ji XS, et al. **Ann NY Acad Sci** 1984;434:264-6

Regulation of C4 photosynthesis: purification and properties of the protein catalyzing ADP-mediated inactivation and Pi-mediated activation of pyruvate,Pi dikinase. Burnell JN, et al. **Arch Biochem Biophys** 1985 Mar;237(2):490-503

Kinetic studies of fructokinase I of pea seeds. Copeland L, et al. **Arch Biochem Biophys** 1984 Sep;233(2):748-60

Properties and reaction mechanism of C4 leaf pyruvate,Pi dikinase. Jenkins CL, et al. **Arch Biochem Biophys** 1985 May 15;239(1):53-62

Binding and function of mitochondrial glycerol kinase in comparison with those of mitochondrial hexokinase. Kaneko M, et al. **Arch Biochem Biophys** 1985 Feb 15; 237(1):135-41

The substrate specificity, kinetics, and mechanism of glycerate-3-kinase from spinach leaves. Kleczkowski LA, et al. **Arch Biochem Biophys** 1985 Jan;236(1):185-94

Evidence for a reactive cysteine at the nucleotide binding site of spinach ribulose-5-phosphate kinase. Omnaas J, et al. **Arch Biochem Biophys** 1985 Feb 1;236(2):646-53

Homoserine kinase of Escherichia coli: kinetic mechanism and inhibition by L-aspartate semialdehyde. Shames SL, et al. **Arch Biochem Biophys** 1984 Dec;235(2):359-70

Epidermal growth factor stimulates diacylglycerol kinase in isolated plasma membrane vesicles from A431 cells. Kato M, et al. **Biochem Biophys Res Commun** 1985 Jun 14; 129(2):375-80

Differential susceptibility to GTP formed from added GDP via membrane-associated nucleoside diphosphate kinase of GTP-sensitive adenylate cyclases achieved by hormone and cholera toxin. Kimura N, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):199-206

Involvement of adenosine kinase in the phosphorylation of formycin B in CHO cells. Mehta KD, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):910-7

Modulation of the activity of purified phosphatidylinositol 4-phosphate kinase by phosphorylated and dephosphorylated B-50 protein. Van Dongen CJ, et al. **Biochem Biophys Res Commun** 1985 May 16;128(3):1219-27

The effect of adenylate kinase activity on the rate and efficiency of energy transport from mitochondria to hexokinase. Dżeja P, et al. **Biochem Int** 1985 Feb; 10(2):259-65

The role of adenosine kinase in regulating adenosine concentration [letter] Newby AC. **Biochem J** 1985 Feb 15; 226(1):343-4

The mechanism of guanosine triphosphate depletion in the liver after a fructose load. The role of fructokinase. Phillips MI, et al. **Biochem J** 1985 Jun 15;228(3):667-71

Effects of cyclic AMP, glucocorticoids and insulin on the activities of phosphatidate phosphohydrolase, tyrosine aminotransferase and glycerol kinase in isolated rat hepatocytes in relation to the control of triacylglycerol synthesis and gluconeogenesis. Pittner RA, et al. **Biochem J** 1985 Jan 15;225(2):455-62

Simultaneous purification and characterization of glucokinase, fructokinase and glucose-6-phosphate dehydrogenase from Zymomonas mobilis. Scopes RK, et al. **Biochem J** 1985 Jun 15;228(3):627-34

Effect of tryptophan metabolites on the activities of rat liver pyridoxal kinase and pyridoxamine 5-phosphate oxidase in vitro. Takeuchi F, et al. **Biochem J** 1985 Apr 15; 227(2):537-44

Distinct sites for deoxyguanosine and deoxyadenosine phosphorylation on a monomeric kinase from Lactobacillus acidophilus. Chakravarty R, et al. **Biochemistry** 1984 Dec 4;23(25):6235-40

Phosphoenolpyruvate synthetase and pyruvate, orthophosphate dikinase: stereochemical consequences at both the beta-phospho and gamma-phospho groups of ATP. Cook AG, et al. **Biochemistry** 1985 Jan 1;24(1):51-8

Determination of the screw sense specificity of bovine liver fructokinase. Pecoraro VL, et al. **Biochemistry** 1985 Mar 26;24(7):1619-22

Mechanisms of aldehyde-induced adenosinetriphosphatase activities of kinases. Rendina AR, et al. **Biochemistry** 1984 Oct 23;23(22):5157-68

Phosphorothioate analogues of 5-phosphoribosyl 1-diphosphate: synthesis, purification, and partial characterization. Smithers GW, et al. **Biochemistry** 1984 Sep 25;23(20):4767-73

Estimation of H+ to adenosine 5'-triphosphate stoichiometry of Escherichia coli ATP synthase using 31P NMR. Vink R, et al. **Biochemistry** 1984 Jul 31;23(16):3667-75

Fucokinase, its anomeric specificity and mechanism of phosphate group transfer. Butler W, et al. **Biochim Biophys Acta** 1985 Jun 10;829(2):238-43

Membrane reconstitution of the energy-conserving enzymes of oxidative phosphorylation. Casey RP. **Biochim Biophys Acta** 1984 Dec 17;768(3-4):319-47 (301 ref.)

Subcellular localisation of inositol lipid kinases in rat liver. Cockcroft S, et al. **Biochim Biophys Acta** 1985 May 30; 845(2):163-70

Diacylglycerol lipase and kinase activities in rat brain microvessels. Hee-Cheong M, et al. **Biochim Biophys Acta** 1985 Jan 9;833(1):59-68

Inhibition of energy-transducing reactions by 8-nitreno-ATP covalently bound to bovine heart submitochondrial particles: direct interaction between ATPase and redox enzymes. Herweijer MA, et al. **Biochim Biophys Acta** 1985 Aug 28;809(1):81-9

Kinetics of creatine phosphokinase and adenylate kinase. A two-dimensional NMR analysis. Kantor HL, et al. **Biochim Biophys Acta** 1984 Sep 11;789(2):128-35

Adenylate kinase is a source of ATP for tumor mitochondrial hexokinase. Nelson BD, et al. **Biochim Biophys Acta** 1985 Aug 16;841(2):195-200

The use of 8-azido-ATP and 8-azido-ADP as photoaffinity labels of the ATP synthase in submitochondrial particles: evidence for a mechanism of ATP hydrolysis involving two independent catalytic sites? Sloothaak JB, et al. **Biochim Biophys Acta** 1985 Aug 28;809(1):27-38

Evidence for the existence of isozymes of choline kinase and their selective induction in 3-methylcholanthrene- or carbon tetrachloride-treated rat liver. Tadokoro K, et al. **Biochim Biophys Acta** 1985 Jul 31;835(3):501-13

Quantum-mechanical descriptions of proton transfer in biosystems containing hydrogen-bonded chains. Tomchuk PM, et al. **Biochim Biophys Acta** 1985 May 31;807(3):272-7

A minimal hypothesis for membrane-linked free-energy transduction. The role of independent, small coupling units. Westerhoff HV, et al. **Biochim Biophys Acta** 1984 Dec 17; 768(3-4):257-92 (281 ref.)

Glycerokinase activity in brown and white adipose tissues of cold-adapted obese Zucker rats. Bertin R, et al. **Biochimie** 1984 Jul-Aug;66(7-8):569-72

Increased 5-phospho-alpha-D-ribose-1-diphosphate synthetase (ribosephosphate pyrophosphokinase, EC 2.7.6.1) activity in rat hepatomas. Baló-Banga JM, et al. **Cancer Res** 1984 Nov;44(11):5004-9

Stimulation of uridine phosphorylation in primary cultures of Xenopus laevis hepatocytes by estradiol-17 beta. Sato K, et al. **Cell Struct Funct** 1984 Jun;9(2):157-65

Enzymatic activities in slow and fast denervated old rat muscles. Simard C, et al. **Comp Biochem Physiol [B]** 1985; 81(2):539-42

Functional changes in mitochondrial properties as a result of their membrane cryodestruction. II. Influence of freezing and thawing on ATP complex activity of intact liver mitochondria. Tsvetkov T, et al. **Cryobiology** 1985 Apr; 22(2):111-8

A new approach to the mechanism of photophosphorylation: modulation of ATP synthetase activity by limited diffusibility of nucleotides near the enzyme. Aflalo C, et al. **Curr Top Cell Regul** 1984;24:435-45

NMR studies of phosphoryl transfer reactions. Cohn M. **Curr Top Cell Regul** 1984;24:1-13

Nonenzymatic glycosylation of erythrocytic proteins in normal and diabetic subjects. Enzymes of nucleoside and nucleotide metabolism. Agarwal KC, et al. **Diabetes** 1985 Mar;34(3):251-5

Induction of flavokinase (EC 2.7.1.26) by aldosterone in the rat kidney. Trachewsky D, et al. **Endocrinology** 1985 Mar; 116(3):879-88

Enzymatic activities in thylakoid membranes, which form medium [32P]NDP and [32P]ATP from 32Pi. Polynucleotide phosphorylase and adenylate kinase. Feldman RI, et al. **Eur J Biochem** 1984 Sep 17;143(3):583-8

The mechanism by which glucose increases fructose 2,6-bisphosphate concentration in Saccharomyces cerevisiae. A cyclic-AMP-dependent activation of phosphofructokinase 2. François J, et al. **Eur J Biochem** 1984 Nov 15;145(1):187-93

Encephalomyocarditis virus replication complexes preferentially utilizing nucleoside diphosphates as substrates for viral RNA synthesis. Nucleotide kinases specifically associated with the complex channel RNA precursor. Koonin EV, et al. **Eur J Biochem** 1984 Oct 15; 144(2):249-54

Phosphate dependency of phosphofructokinase 2. Laloux M, et al. **Eur J Biochem** 1985 Apr 1;148(1):155-9

Regional distribution of thiamin pyrophosphokinase in rat brain. Matsuda T, et al. **Experientia** 1985 Jul 15;41(7):924-5

Evidence that the insulin receptor-associated protein kinase acts as a phosphatidylinositol kinase. Machicao E, et al. **FEBS Lett** 1984 Sep 17;175(1):113-6

A spin-labeled derivative of Procion brilliant blue MX-R. Synthesis and interaction with pig heart nucleoside diphosphate kinase. Porumb T, et al. **FEBS Lett** 1984 Dec 10;178(2):288-90

Studies on the diurnal rhythm of mevalonate metabolism by sterol and nonsterol pathways and of mevalonate-activating enzymes. Gonzalez-Pacanowska D, et al. **Int J Biochem** 1985;17(2):275-8

T-lymphoblast-specific nucleoside kinase: characterization and comparison with deoxycytidine kinase. Yamada Y, et al. **Int J Biochem** 1985;17(3):425-8

Glycerokinase activity in human adipose tissue as related to obesity. Chakrabarty K, et al. **Int J Obes** 1984;8(6):609-22

Continuous ATP regeneration process with stable acetate kinase. Nakajima H, et al. **J Appl Biochem** 1984 Feb-Apr; 6(1-2):19-28

Allosteric regulation of glycerol kinase by enzyme IIIglc of the phosphotransferase system in Escherichia coli and Salmonella typhimurium. Novotny MJ, et al. **J Bacteriol** 1985 May;162(2):810-6

Coated vesicles contain a phosphatidylinositol kinase. Campbell CR, et al. **J Biol Chem** 1985 Sep 15; 260(20):10948-51

Characterization of Saccharomyces cerevisiae thymidylate kinase, the CDC8 gene product. General properties, kinetic analysis, and subcellular localization. Jong AY, et al. **J Biol Chem** 1984 Dec 10;259(23):14394-8

Effect of sulfhydryl modification on the activities of rat liver 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. El-Maghrabi MR, et al. **J Biol Chem** 1984 Nov 10; 259(21):13104-10

Differential effects of proteolysis and protein modification on the activities of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. El-Maghrabi MR, et al. **J Biol Chem** 1984 Nov 10; 259(21):13096-103

The sugar phosphate specificity of rat hepatic 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase. Pilkis SJ, et al. **J Biol Chem** 1985 Jun 25;260(12):7551-6

APS kinase from Penicillium chrysogenum. Dissociation and reassociation of subunits as the basis of the reversible heat inactivation. Renosto F, et al. **J Biol Chem** 1985 Feb 10; 260(3):1535-44

Hexose phosphate binding sites of fructose-6-phosphate,2-kinase:fructose-2,6-bisphosphatas Interaction with N-bromoacetylethanolamine phosphate and 3-bromo-1,4-dihydroxy-2-butanone 1,4-bisphosphate. Sakakibara R, et al. **J Biol Chem** 1984 Nov 25; 259(22):14023-8

Regulation of choline kinase activity and phosphatidylcholine biosynthesis by mitogenic growth factors in 3T3 fibroblasts. Warden CH, et al. **J Biol Chem** 1985 May 25; 260(10):6006-11

The deoxyribonucleoside phosphotransferase of Trichomonas vaginalis. A potential target for anti-trichomonial chemotherapy. Wang CC, et al. **J Exp Med** 1984 Oct 1; 160(4):987-1000

Reciprocal regulation of ornithine decarboxylase and choline kinase activities by their respective reaction products in the developing rat cerebellar cortex. Gilad GM, et al. **J Neurochem** 1984 Dec;43(6):1538-43

Dolichol kinase, phosphatase, and esterase activity in calf brain. Sumbilla C, et al. **Methods Enzymol** 1985;111:471-82

The presence of alpha-glycerophosphate dehydrogenase (NAD+-linked) and adenylate kinase as core and integral membrane enzymes respectively in the glycosomes of Trypanosoma rhodesiense. McLaughlin J. **Mol Biochem Parasitol** 1985 Feb;14(2):219-30

Dolichol kinase in Ascaris suum and Onchocerca volvulus. Walter RD, et al. **Mol Biochem Parasitol** 1985 Feb; 14(2):211-7

Enhancement of deoxyguanosine kinase activity in human lung fibroblast cells infected with human cytomegalovirus. Lewis RA, et al. **Mol Cell Biochem** 1984 Nov;65(1):67-71

Subcellular distribution and kinetic properties of soluble and particulate-associated bovine adrenal glycerol kinase. Seltzer WK, et al. **Mol Cell Biochem** 1984 Sep;64(1):51-61

Association of phosphatidylinositol kinase activity with polyoma middle-T competent for transformation. Whitman M, et al. **Nature** 1985 May 16-22;315(6016):239-42

Postnatal ontogeny of uridine kinase in the cerebellum, hypothalamus, and cerebral cortex of the rat. Litteria M, et al. **Neurochem Res** 1985 Jan;10(1):63-75

Evidence from two transformed cell lines that the phosphorylations of peptide tyrosine and phosphatidylinositol are catalyzed by different proteins. MacDonald ML, et al. **Proc Natl Acad Sci USA** 1985 Jun; 82(12):3993-7

Subunit b of the membrane moiety (F0) of ATP synthase (F1F0) from Escherichia coli is indispensable for H+ translocation and binding of the water-soluble F1 moiety. Schneider E, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(23):7279-83

Purification and properties of adenosine kinase from rat liver: separation from deoxyadenosine kinase activity. Drabikowska AK, et al. **Z Naturforsch [C]** 1985 Jan-Feb; 40(1-2):34-41

[Erythrocyte enzyme changes in hemophilia A] Barretto OC, et al. **Rev Paul Med** 1985 Jan-Feb;103(1):44-5 (Eng. Abstr.) **(Por)**

[Effect of visible light on the ATP synthetase function of mitochondria] Vishnevskiĭ ES, et al. **Biofizika** 1984 Jul-Aug;29(4):637-9 (Eng. Abstr.) **(Rus)**

[Effect of the redox state of glutathione on acetate kinase activity in E. coli] Kulis IuIu, et al. **Biokhimiia** 1985 Feb; 50(2):307-11 (Eng. Abstr.) **(Rus)**

[Role of adenylate kinase, AMP deaminase and 5'-nucleotidase in the metabolism of adenylic nucleotides] Litovchenko IN, et al. **Biokhimiia** 1984 Aug;49(8):1248-52 (Eng. Abstr.) **(Rus)**

[Catalytic properties of mitochondrial ATP-synthetase] Vinogradov AD. **Biokhimiia** 1984 Aug;49(8):1220-38 (100 ref.) **(Rus)**

[Effect of aspartate amino acids on aspartokinase activity of oligotrophic bacteria] Stepanovich TV, et al. **Mikrobiologiia** 1985 Jan-Feb;54(1):162-3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

NAD+ kinase—a review. McGuinness ET, et al. **Int J Biochem** 1985;17(1):1-11 (134 ref.)

A mechanism for memory storage insensitive to molecular turnover: a bistable autophosphorylating kinase. Lisman JE. **Proc Natl Acad Sci USA** 1985 May;82(9):3055-7

URINE

Urinary adenylate kinase activity as a predictor of renal allograft crises. Bernstein LH, et al. **Clin Chem** 1985 Jul; 31(7):1151-4

PHOSPHOTUNGSTIC ACID

Demonstration of sialic acid groups in the glomerular basement membrane of the rat with phosphotungstic acid at low pH. Quatacker J. **Histochem J** 1985 Feb;17(2):201-12

PHOSVEL see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

PHOSVITIN see under **EGG PROTEINS**

PHOTIC STIMULATION

Histamine in the rabbit eye: distribution, synthesis, catabolism, and changes by light stimulation. Nowak JZ, et al. **Agents Actions** 1985 Apr;16(3-4):80-3

Vestibular and visual rotational stimulation as treatment for attention deficit and hyperactivity. Arnold LE, et al. **Am J Occup Ther** 1985 Feb;39(2):84-91

Temporary suppression of clonus in humans by brief photostimulation. Walker JB. **Brain Res** 1985 Aug 5; 340(1):109-13

Light-evoked depolarizations in the retina of Strombus: role of sodium and potassium ions. Chinn KS, et al. **Comp Biochem Physiol [A]** 1985;80(2):233-45

The interaction of conflicting retinal motion stimuli in oculomotor control. Barnes GR, et al. **Exp Brain Res** 1985; 59(3):548-58

The hemispheric distribution of the transient rat VEP: a comparison of flash and pattern stimulation. Onofrj M, et al. **Exp Brain Res** 1985;59(3):427-33

Detection of visual stimuli in far periphery by rats: possible role of superior colliculus. Overton P, et al. **Exp Brain Res** 1985;59(3):559-69

An information transmission analysis of signal flash rate discriminability. Tolin P. **Hum Factors** 1984 Aug; 26(4):489-93

Flash induced nystagmus (FIN) in the rabbit: input-output relations. Verhagen WI, et al. **Int J Neurosci** 1984 Oct; 24(2):97-105

Post-trial flicker stimulation interferes with spatial memory in the Morris water maze. Burešová O, et al. **Neurosci Lett** 1985 May 23;56(3):359-63

Models for transmitter activation process in retinal rod outer segments to flash stimuli. Ichikawa K. **Neurosci Res** 1985 Jun;2(5):349-64

Conditioned heart rate response: testing under anaesthesia in rats. Shibuki K, et al. **Neurosci Res** 1984 Oct;1(5):373-8

Summation of target and mask metacontrast stimuli. Burr DC. **Perception** 1984;13(2):183-92

[Light entrainment and stimulation of the secretion of prolactin in rams] Pelletier J, et al. **C R Acad Sci [III]** 1985;301(6):323-8 (Eng. Abstr.) **(Fre)**

[Limits of fusion of visual stimuli moving at high rates] Zikmund V. **Bratisl Lek Listy** 1984 Aug;82(2):909-18 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Electrophysiological studies of myoclonic jerks provoked by photic stimulation. Nakashima K, et al. **Acta Neurol Scand** 1985 May;71(5):401-7

INSTRUMENTATION

Visual potentials evoked by light-emitting diodes mounted in goggles. Lesser RP, et al. **Cleve Clin Q** 1985 Summer; 52(2):223-8

[Personal experience with the treatment of amblyopia using the modified visual stimulator (CAM)] Juran J, et al. **Cesk Oftalmol** 1984 Jun;40(2-3):110-4 (Eng. Abstr.) **(Cze)**

[Value of visual potentials evoked by pattern reversal and color stimulation] Poletti J, et al. **Bull Soc Ophtalmol Fr** 1984 Jun-Jul;84(6-7):785-6 (Eng. Abstr.) **(Fre)**

[Cortical evoked potentials with a microcomputer as a stimulation and analysis instrument] Johnson D, et al. **Biomed Tech (Berlin)** 1984 Sep;29(9):215-7 (Eng. Abstr.) **(Ger)**

METHODS

Repetitively pulsed small spot light flashes. Depression of steady-state pattern visual evoked potentials. Schmeisser ET. **Am J Optom Physiol Opt** 1985 Mar;62(3):191-4

Visual evoked potentials to various check patterns. Röver J, et al. **Doc Ophthalmol** 1985 Feb;59(2):143-7

Effects of stimulus contrast on binocular VER. Katsumi O, et al. **Jpn J Ophthalmol** 1984;28(4):401-8

White-noise analysis as a tool in visual physiology. Naka KI, et al. **Prog Clin Biol Res** 1985;176:307-21

PHOTOALLERGY see **PHOTOSENSITIVITY DISORDERS**

PHOTOBACTERIUM

ANALYSIS

Spectral properties and function of two lumazine proteins from Photobacterium. Lee J, et al. **Biochemistry** 1985 Mar 12;24(6):1476-83

Purification of lumazine proteins from Photobacterium leiognathi and Photobacterium phosphoreum: bioluminescence properties. O'Kane DJ, et al. **Biochemistry** 1985 Mar 12;24(6):1461-7

Chemical characterization of lumazine protein from Photobacterium leiognathi: comparison with lumazine protein from Photobacterium phosphoreum. O'Kane DJ, et al. **Biochemistry** 1985 Mar 12;24(6):1467-75

Physical characterization of lumazine proteins from Photobacterium. O'Kane DJ, et al. **Biochemistry** 1985 Mar 12;24(6):1484-8

Determination of rotational correlation times from deconvoluted fluorescence anisotropy decay curves. Demonstration with 6,7-dimethyl-8-ribityllumazine and lumazine protein from Photobacterium leiognathi as fluorescent indicators. Visser AJ, et al. **Biochemistry** 1985 Mar 12;24(6):1489-96

DRUG EFFECTS

Quantitative structure-activity relationships and mixture toxicity of organic chemicals in Photobacterium phosphoreum: the Microtox test. Hermens J, et al. **Ecotoxicol Environ Safety** 1985 Feb;9(1):17-25

ENZYMOLOGY

Membrane-bound 5'-nucleotidase in marine luminous bacteria: biochemical and immunological properties. Bengis-Garber C. **Can J Microbiol** 1985 Jun;31(6):543-8

The amino acid sequences of the copper/zinc superoxide dismutases from swordfish and Photobacter leiognathi confirm the predictions made from the compositions. Cornish-Bowden A. **Eur J Biochem** 1985 Sep 2; 151(2):333-5

Identity of the metal ligands in the manganese- and iron-containing superoxide dismutases. Barra D, et al. **FEBS Lett** 1985 Jan 7;179(2):329-31

Fatty acyl-AMP as an intermediate in fatty acid reduction to aldehyde in luminescent bacteria. Rodriguez A, et al. **J Biol Chem** 1985 Jan 25;260(2):771-4

GENETICS

The presence of a copper/zinc superoxide dismutase in the bacterium Photobacterium leiognathi: a likely case of gene transfer from eukaryotes to prokaryotes. Bannister JV, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):149-52

PHYSIOLOGY

Osmotic control of luminescence and growth in Photobacterium leiognathi from ponyfish light organs. Dunlap PV. **Arch Microbiol** 1985 Feb;141(1):44-50

PHOTOCHEMISTRY

The delivery of phototoxic drugs to selected cells. Yemul S, et al. **Ann NY Acad Sci** 1985;446:403-14

Evidence that the long-lifetime photointermediate of s-rhodopsin is a receptor for negative phototaxis in Halobacterium halobium. Takahashi T, et al. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):99-105

Chemical mechanisms for photoaffinity labeling of receptors. Cavalla D, et al. **Biochem Pharmacol** 1985 Aug 15; 34(16):2821-6

Photochemical reaction of 7,8-dihydrorhodopsin at low temperatures. Muto O, et al. **Biochim Biophys Acta** 1984 Sep 27;766(3):597-602

Photoactivated linkage of catechol O-methyltransferase and S-adenosyl-L-methionine. Yu PH. **Can J Biochem Cell Biol** 1984 Oct;62(10):964-9

The genetic effects of the photochemical reaction products of propylene plus NO2 on cultured Chinese hamster cells exposed in vitro. Shiraishi F, et al. **J Toxicol Environ Health** 1985;15(3-4):531-8

13th annual meeting of the American Society for Photobiology. Abstracts of papers. New Orleans, Louisiana, 23-27 June 1985. **Photochem Photobiol** 1985 May;41 Suppl:1S-130S

Photoinactivation of a Chlamydomonas mutant (NL-11) in the presence of methionine: roles of H2O2 and O2-. Takahama U, et al. **Photochem Photobiol** 1985 Feb; 41(2):149-52

Photophysics of and instrumentation for porphyrin detection and activation. Doiron DR. **Prog Clin Biol Res** 1984; 170:41-73

Mechanisms of photooxygenation. Foote CS. **Prog Clin Biol Res** 1984;170:3-18

Photobiology of porphyrins. Spikes JD. **Prog Clin Biol Res** 1984;170:19-39 (48 ref.)

[2 + 2] photocycloadditions in the synthesis of chiral molecules. Schreiber SL. **Science** 1985 Feb 22;

227(4689):857–63

INSTRUMENTATION

An evaluation of the response of some portable, direct-reading 10.2 eV and 11.8 eV photoionization detectors, and a flame ionization gas chromatograph for organic vapors in high humidity atmospheres. Barsky JB, et al. **Am Ind Hyg Assoc J** 1985 Jan;46(1):9–14

PHOTOCHEMOTHERAPY

Langerhans' cells in patients with psoriasis: effect of treatment with PUVA, PUVA bath, etretinate and anthralin. Czernielewski J, et al. **Acta Derm Venereol (Stockh)** 1985;65(2):97–101

Comparison of trioxsalen bath and oral methoxsalen PUVA in psoriasis. Turjanmaa K, et al. **Acta Derm Venereol (Stockh)** 1985;65(1):86–8

Treatment of alopecia areata [letter] Brown AC. **Arch Dermatol** 1985 Mar;121(3):308–9

Variations in plasma levels with 12 different forms of methoxsalen [letter] Roelandts R, et al. **Arch Dermatol** 1984 Oct;120(10):1281–2

PUVA therapy in the treatment of skin lesions of the hypereosinophilic syndrome [letter] van den Hoogenband HM, et al. **Arch Dermatol** 1985 Apr;121(4):450

Phototherapy of urticaria pigmentosa: clinical response and changes of cutaneous reactivity, histamine and chemotactic leukotrienes. Czarnetzki BM, et al. **Arch Dermatol Res** 1985;277(2):105–13

Comparison of serum levels and clinical results of PUVA therapy with three different dosage forms of 8-methoxypsoralen. Siddiqui AH, et al. **Arch Dermatol Res** 1984;276(5):343–5

Hematoporphyrin derivative photoradiation therapy [letter] Taxdal DR. **Arch Ophthalmol** 1984 Oct;102(10):1426

Impairment to viability of neutrophils and lymphocytes by angular psoralens and UV-radiation. Walther T, et al. **Biomed Biochim Acta** 1985;44(2):329–33

Wavelength and light-dose dependence in tumour phototherapy with haematoporphyrin derivative. van Gemert JC, et al. **Br J Cancer** 1985 Jul;52(1):43–9

Controlled trials of PUVA and etretinate for psoriasis [letter] Corbett M. **Br J Dermatol** 1985 Jan;112(1):121–2

PUVA therapy of chronic actinic dermatitis. Hindson C, et al. **Br J Dermatol** 1985 Aug;113(2):157–60

The effect of etretinate compared with different regimens of PUVA in the treatment of persistent palmoplantar pustulosis. Lassus A, et al. **Br J Dermatol** 1985 Apr;112(4):455–9

Retinoids and PUVA in psoriasis [letter] Shuster S, et al. **Br J Dermatol** 1985 Jan;112(1):122–3

Comparison of bioavailability and phototoxicity of two oral preparations of 5-methoxypsoralen. Stolk LM, et al. **Br J Dermatol** 1985 Apr;112(4):469–73

Photodynamic therapy: new method for eradicating endobronchial cancer. Marcus CG. **Can Med Assoc J** 1985 Jun 15;132(12):1363–4

Palliation of esophageal malignancy with photoradiation therapy. McCaughan JS Jr, et al. **Cancer** 1984 Dec 15;54(12):2905–10

Photocytotoxicity in vivo of haematoporphyrin derivative components. Cowled PA, et al. **Cancer Lett** 1985 Aug;28(1):111–8

A comparison of efficacy of photoradiation therapy and other conventional treatment modalities on experimental MS-2 sarcoma. Pezzoni G, et al. **Cancer Lett** 1984 Dec;25(2):209–16

In vitro and in vivo light dose rate effects related to hematoporphyrin derivative photodynamic therapy. Gomer CJ, et al. **Cancer Res** 1985 May;45(5):1973–7

Ability of specific monoclonal antibodies and conventional antisera conjugated to hematoporphyrin to label and kill selected cell lines subsequent to light activation. Mew D, et al. **Cancer Res** 1985 Sep;45(9):4380–6

Oxygen dependence of hematoporphyrin derivative-induced photoinactivation of Chinese hamster cells. Mitchell JB, et al. **Cancer Res** 1985 May;45(5):2008–11

Protective effect of cholesterol on Friend leukemic cells against photosensitization by hematoporphyrin derivative. Salzberg S, et al. **Cancer Res** 1985 Jul;45(7):3305–10

Treatment of murine intraperitoneal ovarian ascitic tumor with hematoporphyrin derivative and laser light. Tochner Z, et al. **Cancer Res** 1985 Jul;45(7):2983–7

Photoradiation therapy of endobronchial lung cancer. Large obstructing tumors, nonobstructing tumors, and early-stage bronchial cancer lesions. Balchum OJ, et al. **Clin Chest Med** 1985 Jun;6(2):255–75

Photodynamic therapy. Dougherty TJ. **Clin Chest Med** 1985 Jun;6(2):219–36 (84 ref.)

Photodynamic therapy (PDT) of malignant tumors. Dougherty TJ. **CRC Crit Rev Oncol Hematol** 1984;2(2):83–116 (100 ref.)

Influence of L-Tocopherol on psoralen photosensitization in mice. Barth J, et al. **G Ital Dermatol Venereol** 1984 Sep–Oct;119(5):301–3

Experimental laser phototherapy of the Morris 7777 hepatoma in the rat. Holt S, et al. **Hepatology** 1985 Mar–Apr;5(2):175–80

Utility of porphyrins and light in the diagnosis and treatment of malignancy [editorial] Pimstone NR. **Hepatology** 1985 Mar–Apr;5(2):338–40

Porphyrin phototherapy of human cancer. Land EJ. **Int J Radiat Biol** 1984 Sep;46(3):219–23

Different biologic effectiveness of blacklight fluorescent lamps available for therapy with psoralens plus ultraviolet A. Cole CA, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 1):599–606

Role of ultraviolet A in phototherapy for psoriasis. Diette KM, et al. **J Am Acad Dermatol** 1984 Sep;11(3):441–7

Methoxsalen and ultraviolet A radiation in treatment of chronic cutaneous graft-versus-host reaction. Hymes SR, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):30–7

Psoriasis treatment with suberythemogenic ultraviolet B radiation and a coal tar extract. Menkes A, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):21–5

Topical photochemotherapy for alopecia areata. Mitchell AJ, et al. **J Am Acad Dermatol** 1985 Apr;12(4):644–9

Oral isotretinoin followed by psoralens and ultraviolet A or ultraviolet B for psoriasis [letter] Roenigk RK, et al. **J Am Acad Dermatol** 1985 Jul;13(1):153–5

Disseminated superficial 'actinic' porokeratosis. Schwarz T, et al. **J Am Acad Dermatol** 1984 Oct;11(4 Pt 2):724–30

Trimethylpsoralen bath plus ultraviolet A combined with oral retinoid (etretinate) in the treatment of severe psoriasis. Väätäinen N, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):52–5

Printed information for patients receiving PUVA therapy. Morrow NC. **J Clin Hosp Pharm** 1984 Dec;9(4):333–40

The effect of 8-methoxypsoralen plus long-wave ultraviolet (PUVA) radiation on mast cells: PUVA suppresses degranulation of mouse skin mast cells induced by compound 48/80 or concanavalin A. Danno K, et al. **J Invest Dermatol** 1985 Aug;85(2):110–4

Alteration of lymphocyte functions by 8-methoxypsoralen and longwave ultraviolet radiation. I. Suppressive effects of PUVA on T-lymphocyte migration in vitro. Okamoto H, et al. **J Invest Dermatol** 1985 Mar;84(3):203–5

Ocular findings in patients treated with PUVA. Stern RS, et al. **J Invest Dermatol** 1985 Sep;85(3):269–73

Psoralenamines. 3. Synthesis, pharmacological behavior, and DNA binding of 5-(aminomethyl)-8-methoxy-, 5-[[(3-aminopropyl)oxy]methyl]-, and 8-[(3-aminopropyl)oxy]psoralen derivatives. Hansen JB, et al. **J Med Chem** 1985 Aug;28(8):1001–10

Hematoporphyrin derivative photochemotherapy of experimental bladder tumors. Selman SH, et al. **J Urol** 1985 Feb;133(2):330–3

Effect of 514.5-nm argon ion laser radiation on hematoporphyrin derivative-treated bladder tumor cells in vitro and in vivo. Bellnier DA, et al. **JNCI** 1985 Mar;74(3):617–25

Hematoporphyrin derivative and laser photodynamical reaction in the diagnosis and treatment of malignant tumors. Song SZ, et al. **Lasers Surg Med** 1985;5(1):61–6

Potentiation of photodynamic therapy by heat: effect of sequence and time interval between treatments in vivo. Waldow SM, et al. **Lasers Surg Med** 1985;5(2):83–94

In vivo 31-P NMR of photoactivated hematoporphyrin derivative in cat brain. Chopp M, et al. **Med Phys** 1985 Mar–Apr;12(2):256–8

Photodynamic and photohyperthermic response of malignant tumors. Svaasand LO. **Med Phys** 1985 Jul–Aug;12(4):455–61

Photobiologic, toxicologic, and pharmacologic aspects of psoralens. Proceedings of a conference, Research Triangle Park, North Carolina, March 1–3, 1982. **Natl Cancer Inst Monogr** 1984 Dec;66:1–261

Quantitative tests for psoralens in the blood: methods and uses in monitoring psoralen and longwave radiation therapy. Carter DM, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:69–72

Research and development of oral psoralen and longwave radiation photochemotherapy: 2000 B.C.–1982 A.D. Fitzpatrick TB, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:3–11

Effects of psoralens plus ultraviolet radiation on human lymphoid cells in vitro. Kraemer KH, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:221–3

Psoralen and ultraviolet A effects on epidermal ornithine decarboxylase induction and DNA synthesis in the hairless mouse. Lowe NJ, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:73–6

Improvement of the efficacy and safety of oral methoxsalen photochemotherapy. Momtaz-T K, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:175–8

In vivo effects of psoralens plus longwave ultraviolet radiation on immunity. Morison WL. **Natl Cancer Inst Monogr** 1984 Dec;66:243–6

Safety and therapeutic effectiveness of 8-methoxypsoralen, 4,5',8-trimethylpsoralen, and psoralen in vitiligo. Pathak MA, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:165–73

Effectiveness of psoralens in mycosis fungoides. Roenigk HH Jr. **Natl Cancer Inst Monogr** 1984 Dec;66:179–83

Psoralens: a search for more effective derivatives for photochemotherapeutic regimens. Willis I, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:143–7

Safety and therapeutic effectiveness of selected psoralens in psoriasis. Wolff K, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:159–64

The effect of cooling on the photodynamic action of hematoporphyrin derivative during interstitial phototherapy of solid tumors. 1983 Second-Place Resident Research Award: basic category. Jones GC, et al. **Otolaryngol Head Neck Surg** 1984 Oct;92(5):532–6

Effect of monochromatic UVA light and 8-methoxypsoralen on human lymphocyte response to mitogen. Gasparro FP, et al. **Photodermatol** 1984 Feb;1(1):10–7

Treatment of alopecia areata with three different PUVA modalities. Lassus A, et al. **Photodermatol** 1984 Jun;1(3):141–4

Treatment of vitiligo with oral methoxsalen and UVA. Lassus A, et al. **Photodermatol** 1984 Aug;1(4):170–3

Phototoxicity and antipsoriatic effect of a topical methoxypsoralen solution in relation to the application time. Meffert H, et al. **Photodermatol** 1984 Aug;1(4):191–4

Treatment of mouse carcinomas with intratumoral injections of hematoporphyrin derivative and red light. Moseng D, et al. **Photodermatol** 1985 Apr;2(2):107–10

Pre-PUVA UVA desensitization for solar urticaria. Roelandts R. **Photodermatol** 1985 Jun;2(3):174–6

How may external and interstitial illumination be compared in laser photodynamic therapy? McKenzie AL. **Phys Med Biol** 1985 May;30(5):455–60

The place of PUVA in the management of psoriasis. Vollum DI. **Practitioner** 1984 Nov;228(1397):1027–30

A possible mechanism of psoralen phototoxicity not involving direct interaction with DNA. Laskin JD, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(18):6158–62

Porphyrin localization and treatment of tumors. Proceedings of the Clayton Foundation International Symposium. Santa Barbara, California, April 24–28,1983. **Prog Clin Biol Res** 1984;170:1–884

An overview of the status of photoradiation therapy. Dougherty TJ. **Prog Clin Biol Res** 1984;170:75–87

The structure of the active component of hematoporphyrin derivative. Dougherty TJ, et al. **Prog Clin Biol Res** 1984;170:301–14

Mechanisms of photooxygenation. Foote CS. **Prog Clin Biol Res** 1984;170:3–18

Studies on the mechanism of tumor destruction by photoradiation therapy. Henderson BW, et al. **Prog Clin Biol Res** 1984;170:601–12

Photoradiation therapy of bladder tumours. Hisazumi H, et al. **Prog Clin Biol Res** 1984;162B:385–96

Oral 8-methoxypsoralen photochemotherapy in psoriasis. Nožičková-Novotná M. **Sb Ved Pr Lek Fak Univ Karlovy** 1983;26(5):545–77

Photodynamic therapy with hematoporphyrin derivative in cancer of the upper gastrointestinal tract. Hayata Y, et al. **Semin Surg Oncol** 1985;1(1):1–11

Bronchoscopic phototherapy using hematoporphyrin derivative. Cortese DA, et al. **Surg Clin North Am** 1984 Oct;64(5):941–6

An introduction to dye lasers and photoradiation therapy. Kirschner RA, et al. **Surg Clin North Am** 1984 Oct;64(5):939–40

Photodynamic inactivation of bladder cancer cells (MGH-U1) sensitized with acridine orange and irradiated by argon laser. Ishikawa S, et al. **Tohoku J Exp Med** 1984 Nov;144(3):265–71

Prolongation of rat renal allograft survival time by donor pretreatment with 8-methoxypsoralen and longwave ultraviolet irradiation of the graft (PUVA therapy). Oesterwitz H, et al. **Urol Res** 1985;13(2):95–8

[Photodynamic therapy (PDT) of bladder cancer. Report of 21 cases] Xie JG. **Chung Hua Chung Liu Tsa Chih** 1985 Mar;7(2):113–5 (Eng. Abstr.) **(Chi)**

[Application of a hematoporphyrin derivative (HpD) and the laser technic in diagnosis and treatment of oral tumors] Zhao FY. **Chung Hua Kou Chiang Ko Tsa Chih** 1985 Jan;20(1):8–11, 62 (Eng. Abstr.) **(Chi)**

[Photo-oncotherapy: an alternative for the treatment of superficial cutaneous cancers (letter)] Lane-Brown MM, et al. **Ann Dermatol Venereol** 1984;111(9):851 **(Fre)**

[Diagnosis and therapy of cutaneous T-cell lymphomas] Le T, et al. **Dermatologica** 1984;169(2):60–5 (Eng. Abstr.) **(Fre)**

[Mycosis fungoides] Hoyez A, et al. **Rev Med Brux** 1984 Dec;5(10):671–5 (Eng. Abstr.) **(Fre)**

[PUVA therapy in chronic benign familial Hailey-Hailey pemphigus] Hums R. **Dermatol Monatsschr** 1984;170(11):715–8 **(Ger)**

[Prolongation of graft survival––clinical practice, specific immune suppression in experiments and photochemotherapy of the graft] Meffert H, et al. **Dermatol Monatsschr** 1985;171(5):290–302 (58 ref.) (Eng. Abstr.) **(Ger)**

[Photochemotherapy and activity of lysosomal enzymes in the serum of psoriasis patients] Ruszczak Z, et al. **Dermatol Monatsschr** 1984;170(9):573–7 (Eng. Abstr.) **(Ger)**

[Deposition of 3H-8-MOP in the eye and skin by PUVA therapy] Grüntzig J, et al. **Fortschr Ophthalmol** 1985;82(3):228–30 (Eng. Abstr.) **(Ger)**

[Aromatic retinoid––oral photochemotherapy in chronic vegetating pyoderma] Krebs A, et al. **Hautarzt** 1985 Apr;36(4):237–9 (Eng. Abstr.) **(Ger)**

[Preliminary results of Re-PUVA therapy in cutaneous T-cell lymphomas] Thiele B, et al. **Z Hautkr** 1985 Jan;60(1-2):116–9 (Eng. Abstr.) **(Ger)**

[Methodologic aspects of an in vitro model of photosensitization] Rytter M, et al. **Z Med Lab Diagn** 1984;25(7):392–6 (Eng. Abstr.) **(Ger)**

[Photochemotherapy of mycosis fungoides. Preliminary results in our case load] Caccialanza M, et al.

G Ital Dermatol Venereol 1985 Jan–Feb;120(1):91–7 (Eng. Abstr.) **(Ita)**

[Photoradiation therapy of experimental glioma] Kaneko S, et al. **Neurol Med Chir (Tokyo)** 1985 Feb;25(2):75–80 (Eng. Abstr.) **(Jpn)**

[Experimental studies on photoradiation therapy by hematoporphyrin derivative (HpD) and argon dye laser] Kasai T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Dec;36(12):2533–41 (Eng. Abstr.) **(Jpn)**

[Photodynamic effects of various types of porphyrins on cultured hepatocellular carcinoma cells (JTC-16): a fundamental study of porphyrin photodynamic therapy] Kawamoto C, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Feb;82(2):261–9 (Eng. Abstr.) **(Jpn)**

[Photochemotherapy of various types of psoriasis––evaluation of the durability of the results of treatment] Kaźmierowski M, et al. **Przegl Dermatol** 1984 Mar–Apr;71(2):151–5 (Eng. Abstr.) **(Pol)**

[Photochemotherapy of pustular psoriasis of the palms and soles] Kaźmierowski M, et al. **Przegl Dermatol** 1984 Mar–Apr;71(2):157–60 (Eng. Abstr.) **(Pol)**

[Peroxidation of membrane lipids in experimental photochemotherapy] Akimov VG, et al. **Vestn Dermatol Venerol** 1984 Aug;(8):22–5 (Eng. Abstr.) **(Rus)**

[Effect of photochemotherapy on the melanocyte function of normal skin in short-term culture] Kapkaev RA, et al. **Vestn Dermatol Venerol** 1985 Jun;(6):10–2 (Eng. Abstr.) **(Rus)**

[Photochemotherapy of mycosis fungoides] Pozdniakov OL, et al. **Vestn Dermatol Venerol** 1984 Sep;(9):48–51 (Eng. Abstr.) **(Rus)**

[Clinical effectiveness and the role of photochemotherapy in the complex treatment of patients with neurodermatitis] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1984 Dec;(12):4–6 (Eng. Abstr.) **(Rus)**

[Morphological changes in the skin of patients with psoriasis after external photochemotherapy] Tsvetkova GM, et al. **Vestn Dermatol Venerol** 1984 Sep;(9):7–11 (Eng. Abstr.) **(Rus)**

[Treatment of uremic pruritus in patients undergoing periodic hemodialysis with photochemotherapy] Manjón García M, et al. **Med Clin (Barc)** 1984 Jun 23;83(4):151–4 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Antinuclear antibodies in mice induced by long wave ultraviolet radiation (UVA). Bruze M, et al. **Acta Derm Venereol (Stockh)** 1985;65(1):25–30

Antinuclear antibodies appearing during PUVA therapy. Bruze M, et al. **Acta Derm Venereol (Stockh)** 1985;65(1):31–6

Xerodermoid induced by photochemotherapy. Pierard GE, et al. **Am J Dermatopathol** 1984 Aug;6(4):397–410

Hydroxyurea and pain in psoriatic lesions during ultraviolet-B radiation [letter] Sparks MK, et al. **Arch Dermatol** 1985 Sep;121(9):1107

Lenticular psoralen photoproducts and cataracts of a PUVA-treated psoriatic patient. Woo TY, et al. **Arch Dermatol** 1985 Oct;121(10):1307–8

Atypical psoriasis of the face and hands after PUVA treatment. Verhagen AR, et al. **Br J Dermatol** 1984 Nov;111(5):615–8

Nodular malignant melanoma and multiple squamous cell carcinomas in a patient treated by photochemotherapy for psoriasis. Kemmett D, et al. **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1498

Photodynamic therapy of intraocular tumors: examination of hematoporphyrin derivative distribution and long-term damage in rabbit ocular tissue. Gomer CJ, et al. **Cancer Res** 1985 Aug;45(8):3718–25

Acute myelomonocytic leukaemia developing in a patient with psoriasis treated with oral 8-methoxypsoralen and longwave ultraviolet light. Freeman K, et al. **Clin Exp Dermatol** 1985 Mar;10(2):144–6

A retrospective study of ocular findings in patients treated with PUVA. Boukes RJ, et al. **Doc Ophthalmol** 1985 Jan 31;59(1):11–9

Bullous pemphigoid. Occurrence in a patient with mycosis fungoides receiving PUVA and topical nitrogen mustard therapy. Patterson JW, et al. **Int J Dermatol** 1985 Apr;24(3):173–6

Bronchial reactions during psoralens and ultraviolet A (PUVA) therapy [letter] Dromgoole SH. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 1):894

Disseminated superficial actinic porokeratosis: appearance associated with photochemotherapy for psoriasis. Hazen PG, et al. **J Am Acad Dermatol** 1985 Jun;12(6):1077–8

Photochemotherapy (PUVA) and skin cancer [letter] Leone GA, et al. **J Am Acad Dermatol** 1985 Jul;13(1):155–7

A study of experimental carcinogenesis on mouse dorsal skin using: ultraviolet, PUVA and retinoid. Noguchi N. **J Dermatol (Tokyo)** 1985 Apr;12(2):143–52

Neoplastic transformation of C3H mouse embryo 10T1/2 cells by 8-methoxypsoralen plus UVA radiation. Ananthaswamy HN. **J Invest Dermatol** 1985 Aug;85(2):102–6

Actinic degeneration in association with long-term use of PUVA. Stern RS, et al. **J Invest Dermatol** 1985 Feb;84(2):135–8

Cutaneous phototoxicity due to psoralens. Gange RW, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:117–26

Psoralens and ocular effects in humans. Glew WB, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:235–9

Skin cancer in patients treated with 8-methoxypsoralen plus longwave ultraviolet radiation. Halprin KM, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:185–9

Chronic cutaneous effects of long-term psoralen and ultraviolet radiation therapy in patients with vitiligo. Harrist TJ, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:191–6

Histologic alterations of psoralen- and longwave ultraviolet radiation-exposed skin. Harrist TJ, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:197–204

Risk of skin tumors in psoralen- and ultraviolet A-treated patients. Henseler T, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:217–9

Effects of methoxsalen plus near-ultraviolet radiation or mid-ultraviolet radiation on immunologic mechanisms. Kripke ML. **Natl Cancer Inst Monogr** 1984 Dec;66:247–51

Psoralens and ocular effects in man and animals: in vivo monitoring of human ocular and cutaneous manifestations. Lerman S. **Natl Cancer Inst Monogr** 1984 Dec;66:227–33

Carcinogenic risk of psoralen plus ultraviolet radiation therapy: evidence in humans. Stern RS. **Natl Cancer Inst Monogr** 1984 Dec;66:211–6

Conjunctival involvement with mycosis fungoides in a patient receiving PUVA therapy. O'Day J, et al. **Ophthalmology** 1985 Jan;92(1):109–13

Long-term safety of trioxsalen bath PUVA treatment: an 8-year follow-up of 149 psoriasis patients. Berne B, et al. **Photodermatol** 1984 Feb;1(1):18–22

Ocular findings in 340 long-term treated PUVA patients. Boukes RJ, et al. **Photodermatol** 1985 Jun;2(3):178–80

8-Methoxypsoralen plasma levels and phototoxic effect. De Bersaques J, et al. **Photodermatol** 1984 Apr;1(2):79–84

Risk of cutaneous carcinoma in psoriatic patients treated with PUVA. Eskelinen A, et al. **Photodermatol** 1985 Feb;2(1):10–4

Deterioration of liver function during PUVA therapy. Freeman K, et al. **Photodermatol** 1984 Jun;1(3):147–8

Urinary excretion of 6-hydroxy-5-methoxyindole-2-carboxylic acid and 5-S-cysteinyldopa during PUVA treatment. Hansson C, et al. **Photodermatol** 1985 Apr;2(2):52–7

PUVA––lentigo. Kanerva L, et al. **Photodermatol** 1985 Apr;2(2):49–51

Effect of systemic retinoid plus PUVA (Re-PUVA) on enzyme histochemically detectable epidermal Langerhans cells. Koulu L. **Photodermatol** 1984 Feb;1(1):42–3

Re-PUVA. Lassus A. **Photodermatol** 1984 Dec;1(6):263–4

PUVA-induced lupus erythematosus in a patient with polymorphous light eruption. McFadden N. **Photodermatol** 1984 Jun;1(3):148–50

Connective tissue alterations in skin exposed to natural and therapeutic UV-radiation. Oikarinen A, et al. **Photodermatol** 1985 Feb;2(1):15–26 (61 ref.)

Phytophotodermatitis-like lesions induced by PUVA. Roelandts R, et al. **Photodermatol** 1985 Feb;2(1):40–3

Tissue anoxia prevents inflammation and pigmentation caused by UVA but not by UVB or PUVA. Tegner E. **Photodermatol** 1984 Dec;1(6):311–2

Influence of whole-body PUVA treatments on human peripheral blood NK cell activity. Viander M, et al. **Photodermatol** 1984 Feb;1(1):23–9

[Drug-induced photosensitization localized at skin areas previously treated by PUVA therapy (letter)] Leroy D, et al. **Presse Med** 1985 Feb 16;14(7):432 **(Fre)**

[Effect of PUVA treatment on the eye lens of psoriasis patients] Brauweiler P, et al. **Fortschr Ophthalmol** 1984;81(5):457–60 (Eng. Abstr.) **(Ger)**

[Side effects and risks of phototherapy] Pullmann H. **Z Hautkr** 1984 Aug 15;59(16):1056–63 (Eng. Abstr.) **(Ger)**

[Alpha 1-fetoprotein––a marker of potential PUVA side-effects in psoriasis?] Wollina U, et al. **Z Hautkr** 1985 Mar 15;60(6):527–30 (Eng. Abstr.) **(Ger)**

[The effects of ultraviolet ray, PUVA and retinoid on experimental carcinogenesis––including observations on -SH groups and S-S bonds during the process of carcinogenesis] Noguchi N, et al. **Nippon Hifuka Gakkai Zasshi** 1984 May;94(6):737–40 **(Jpn)**

INSTRUMENTATION

Biologic effectiveness of black light fluorescent lamps for PUVA [letter] Fleming MG, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 1):894–5

HpD photodynamic therapy for obstructing lung cancer. Balchum OJ, et al. **Prog Clin Biol Res** 1984;170:727–45

Photophysics of and instrumentation for porphyrin detection and activation. Doiron DR. **Prog Clin Biol Res** 1984;170:41–73

A trial manufacture of a motor-driven laser light scattering optic for whole bladder wall irradiation. Hisazumi H, et al. **Prog Clin Biol Res** 1984;170:239–47

Photoradiation and lasers in the treatment of central nervous system neoplasms: adaptation to the Shelden/Jacques CT-based computerized microneurosurgical stereotactic system. Jacques S. **Prog Clin Biol Res** 1984;170:719–26

Integral dye-laser irradiation of photosensitized bladder tumors with the aid of a light-scattering medium. Jocham D, et al. **Prog Clin Biol Res** 1984;170:249–56

Optical dosimetry for direct and interstitial photoradiation therapy of malignant tumors. Svaasand LO. **Prog Clin Biol Res** 1984;170:91–114

METHODS

Photochemotherapy of psoriasis. Fitzpatrick TB. **Acta Derm Venereol [Suppl] (Stockh)** 1984;112:29–35

Laser therapy––things to come: multiple spectra and photodynamic therapy. Wood JW. **Am J Gastroenterol** 1985 Sep;80(9):732–3

Palliation of esophageal malignancy with photodynamic therapy. McCaughan JS Jr, et al. **Ann Thorac Surg** 1985 Aug;40(2):113–20

Photosensitization and split-dose recovery in cultured human urinary bladder carcinoma cells containing nonexchangeable hematoporphyrin derivative. Bellnier DA, et al. **Cancer Res** 1985 Jun;45(6):2507–11

Investigation of the erythema effectiveness curve with tunable lasers. Anders A, et al. **Derm Beruf Umwelt** 1984;32(5):166–70

Preliminary report of a pilot study of photoradiation therapy for the treatment of superficial malignancies of the skin, head and neck. Carruth JA, et al. **Eur J Surg Oncol** 1985 Mar;11(1):47–50

The use of lipid emulsion as an intravesical medium to disperse light in the potential treatment of bladder tumors. Baghdassarian R, et al. **J Urol** 1985 Jan;133(1):126–30

Experimental photodynamic treatment of canine bladder. Nseyo UO, et al. **J Urol** 1985 Feb;133(2):311–5

Measurement of radiation from photochemotherapy equipment using thermoluminescence detector elements (BeO TLD). Caccialanza M, et al. **Photodermatol** 1984 Dec;1(6):298–301

Extracorporeal photopheresis [editorial] Edelson RL. **Photodermatol** 1984 Oct;1(5):209–10

Outdoor and office photochemotherapy of vitiligo: a comparison. Wennersten G, et al. **Photodermatol** 1984 Apr;1(2):91–3

Photodynamic inactivation of cultured bladder tumor cells: a preliminary study of the effects of porphyrin aggregation. Bellnier DA, et al. **Prog Clin Biol Res** 1984;170:361–71

Hematoporphyrin derivative and pulse laser photoradiation. Bellnier DA, et al. **Prog Clin Biol Res** 1984;170:533–40

The use of hematoporphyrin derivative (HpD) in the localization and treatment of transitional cell carcinoma (TCC) of the bladder. Benson RC Jr. **Prog Clin Biol Res** 1984;170:795–804

A comparison of spectral transmittance for several mammalian tissues: effects at PRT frequencies. Bolin FP, et al. **Prog Clin Biol Res** 1984;170:211–25

Photoradiation of choroidal malignant melanoma. Bruce RA Jr. **Prog Clin Biol Res** 1984;170:777–84

Multicellular spheroids as an in vitro model system for photoradiation therapy in the presence of Hpd. Christensen T, et al. **Prog Clin Biol Res** 1984;170:381–90

Photoradiation therapy of Lewis lung tumors in mice with low optical dose rat and high HpD-dose. Ellingsen R, et al. **Prog Clin Biol Res** 1984;170:647–55

A comparative study of 28 porphyrins and their abilities to localize in mammary mouse carcinoma: uroporphyrin I superior to hematoporphyrin derivative. El-Far M, et al. **Prog Clin Biol Res** 1984;170:661–72

Multidisciplinary approach to phototherapy of human cancers. Forbes IJ, et al. **Prog Clin Biol Res** 1984;170:693–708

Examination of action spectrum, dose rate and mutagenic properties of hematoporphyrin derivative photoradiation therapy. Gomer CJ, et al. **Prog Clin Biol Res** 1984;170:459–69

Indications of photoradiation therapy in early stage lung cancer on the basis of post-PRT histologic findings. Hayata Y, et al. **Prog Clin Biol Res** 1984;170:747–58

Cellular binding of hematoporphyrin derivative (HpD) in human bladder cancer cell line: KK-47. Hisazumi H, et al. **Prog Clin Biol Res** 1984;170:443–57

Photoradiation of malignant tumors presensitized with hematoporphyrin derivative. McCaughan JS Jr. **Prog Clin Biol Res** 1984;170:805–27

Phototherapy in malignant brain tumors. McCulloch GA, et al. **Prog Clin Biol Res** 1984;170:709–17

Phantom measurements for light dosimetry using isotropic and small aperture detectors. Marynissen JP, et al. **Prog Clin Biol Res** 1984;170:133–48

Photoradiation therapy of bladder tumors. Misaki T, et al. **Prog Clin Biol Res** 1984;170:785–94

Porphyrin-sensitized photoinactivation of cells in vitro. Moan J, et al. **Prog Clin Biol Res** 1984;170:419–42

A teaching program for oncology patients considering and receiving hematoporphyrin sensitization and photoradiation. Olson EZ. **Prog Clin Biol Res** 1984;170:841–5

Effects of hematoporphyrin (HPD) and a chemiluminescence system on the growth of transplanted tumors in C3H/HeJ mice. Phillip MJ, et al. **Prog Clin Biol Res** 1984;170:563–9

Optimal photodynamic band of red light in hematoporphyrin derivative (HPD) photoradiation therapy of cancer. Pimstone NR, et al. **Prog Clin Biol Res** 1984;170:673–8

Fluorescence of HpD for tumor detection and dosimetry in photoradiation therapy. Profio AE, et al. **Prog Clin Biol Res** 1984;170:163–75

Gynecologic uses of photoradiation therapy. Rettenmaier MA, et al. **Prog Clin Biol Res** 1984;170:767–75

Phototoxicity of brain tissue in hematoporphyrin derivative treated mice. Rounds DE, et al. **Prog Clin Biol Res** 1984; 170:613–28

Destructive effect of photoradiation on the microcirculation of a rat mammary tumor growing in 'sandwich' observation chambers. Star WM, et al. **Prog Clin Biol Res** 1984; 170:637–45

Photoradiation therapy for cutaneous and subcutaneous malignant tumors using hematoporphyrin. Tomio L, et al. **Prog Clin Biol Res** 1984;170:829–40

Photoradiation therapy in the treatment of advanced carcinoma of the trachea and bronchus. Vincent R, et al. **Prog Clin Biol Res** 1984;170:759–66

Photoradiation therapy of head and neck cancer. Wile AG, et al. **Prog Clin Biol Res** 1984;170:681–91

Studies of light propagation through tissue. Wilksch PA, et al. **Prog Clin Biol Res** 1984;170:149–61

Light propagation in animal tissues in the wavelength range 375–825 nanometers. Wilson BC, et al. **Prog Clin Biol Res** 1984;170:115–32

Extracorporeal photopheresis. Edelson RL. **Trans Am Soc Artif Intern Organs** 1984;30:674–5

Endoscopic management of bladder cancer with hematoporphyrin derivative phototherapy. Benson RC Jr. **Urol Clin North Am** 1984 Nov;11(4):637–42 (34 ref.)

Whole bladder photodynamic therapy for transitional cell carcinoma of bladder. Nseyo UO, et al. **Urology** 1985 Sep; 26(3):274–80

[Increasing survival of skin transplants by the treatment of transplants with hematoporphyrin derivative and visible light] Gruner S, et al. **Dermatol Monatsschr** 1984; 170(12):770–2 **(Ger)**

[Psoriasis phototherapy. Antipsoriatic efficacy of 8-methoxypsoralen and tar baths] Rowe E, et al. **Dermatol Monatsschr** 1985;171(3):180–4 (Eng. Abstr.) **(Ger)**

[Photochemotherapy (PUVA): pro and con] Wolff K. **Hautarzt** 1985 Jan;36(1):25–33 (Eng. Abstr.) **(Ger)**

[Photodynamic therapy of superficial tumors and carcinoma in situ of the bladder] Hisazumi H, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):697–703 (Eng. Abstr.) **(Jpn)**

[Photodynamic therapy in lung cancer] Kato H, et al. **Gan No Rinsho** 1985 May;31(6 Suppl):690–6 (Eng. Abstr.) **(Jpn)**

[Photochemotherapy combined with low-dose methotrexate in severe forms of psoriasis] Dovzhanskiĭ SI, et al. **Vestn Dermatol Venerol** 1985 Jan;(1):61–3 (Eng. Abstr.) **(Rus)**

PHOTOCOAGULATION see **LIGHT COAGULATION**

PHOTODERMATITIS see **PHOTOSENSITIVITY DISORDERS**

PHOTODYNAMIC THERAPY see **PHOTOCHEMOTHERAPY**

PHOTOFLUOROGRAPHY see under **FLUOROSCOPY**

PHOTOGRAMMETRY see under **PHOTOGRAPHY**

PHOTOGRAPHY

see related
MICROFILMING
MOTION PICTURES

Early diagnosis of glaucoma. The value of successive stereophotography of the optic disc. Odberg T, et al. **Acta Ophthalmol (Copenh)** 1985 Jun;63(3):257–63

Photographic screening for strabismus among mentally retarded children. Philipsen A, et al. **Acta Ophthalmol (Copenh)** 1985 Jun;63(3):268–73

Inaccuracy of measuring wounds on autopsy photographs. Lawrence RD. **Am J Forensic Med Pathol** 1985 Mar; 6(1):17–8

Cervicography: a preliminary report. Blythe JG. **Am J Obstet Gynecol** 1985 May 15;152(2):192–7

Evaluation of nerve fiber layer assessment. Sommer A, et al. **Arch Ophthalmol** 1984 Dec;102(12):1766–71

A computer-based method of filing photographs and procedures. Allan JH, et al. **Arch Otolaryngol** 1985 Mar; 111(3):178–81

Shade variation in dentistry. A photographic investigation. Roberts CJ. **Aust Dent J** 1984 Dec;29(6):384–8

Photogrammetry used to assess post-operative facial swelling in a drug trial. Hay KD, et al. **Br J Oral Maxillofac Surg** 1985 Apr;23(2):103–11

Optical measurement of the change in trunk volume with breathing. Peacock A, et al. **Bull Eur Physiopathol Respir** 1985 Mar–Apr;21(2):125–9

Contact dermatitis to CD4. Menezes Brandão F, et al. **Contact Dermatitis** 1985 Jan;12(1):48

Making title slides: a guide for physicians. Peng VT. **Cutis** 1985 Jan;35(1):59–62, 64

Reproducibility of photogrammetric optic disc cup measurements. Takamoto T, et al. **Invest Ophthalmol Vis Sci** 1985 Jun;26(6):814–7

Moire topography: a method of screening for adolescent idiopathic scoliosis. Thompson F, et al. **Ir Med J** 1985 Jun; 78(6).162–5

An accurate photographic method for grading acne: initial use in a double-blind clinical comparison of minocycline and tetracycline. Samuelson JS. **J Am Acad Dermatol** 1985 Mar;12(3):461–7

Image preservation through reproduction. Eaton GT. **J Audiov Media Med** 1985 Apr;8(2):44–51

Proper storage of photographic images. Eaton GT. **J Audiov Media Med** 1985 Jul;8(3):94–8

The black-and-white positive line slide: a modern approach. Fraser AD. **J Audiov Media Med** 1984 Oct;7(4):149

Infection control and medical photography. Grant G, et al. **J Audiov Media Med** 1985 Jul;8(3):108–10

Where are we going? Scott ML. **J Audiov Media Med** 1985 Apr;8(2):54–6

Medical photographers don't carry out research, do they? Young S. **J Audiov Media Med** 1985 Apr;8(2):52–3

Cumulative index. Journal of the Biological Photographic Association, Volume 1 to 47, 1932 to 1979. Journal of Biological Photography, Volume 48 to 52, 1980 to 1984. **J Biol Photogr** 1984 Oct;52(4):83–126

Using the professional or in-house model in a medical setting. Freund J. **J Biol Photogr** 1985 Jul;53(3):105–7

Photography of microradiography. Kerimian GA, et al. **J Biol Photogr** 1985 Jul;53(3):89–91

Photography and patient's rights. Reynolds LR Jr. **J Biol Photogr** 1985 Jul;53(3):117–20

Processing Technical Pan. Willner WA. **J Biol Photogr** 1985 Jul;53(3):111–3

Detection of stimulated back muscle contractions by moiré topography. Andonian AT. **J Biomech** 1984;17(9):653–61

Moiré topography in scoliosis. Its accuracy in detecting the site and size of the curve. Daruwalla JS, et al. **J Bone Joint Surg [Br]** 1985 Mar;67(2):211–3

What's new in equipment for medical photography (1). Rosenberg SP. **J Dermatol Surg Oncol** 1984 Oct;10(10):775

Perilymphatic atrophy of the skin as visualized by ultraviolet photography [letter] Kikuchi I. **J Dermatol (Tokyo)** 1984 Apr;11(2):203–4

Discussion of 'Photographic techniques of concern in metric bite mark analysis' [letter] Ebert JI, et al. **J Forensic Sci** 1985 Jul;30(3):599–602

Rapid preparation of lecture slides using the computer. Lloyd WC 3d, et al. **Ophthalmic Surg** 1984 Aug;15(8):678–9

Polaroid confirmation of the 'difficult-to-demonstrate' inguinal hernia. Krasna IH. **Pediatrics** 1985 May; 75(5):900–1

The American Physiological Society photograph collection. Appel T. **Physiologist** 1985 Apr;28(2):88–90

Photography of the hand [letter] Meals RA. **Plast Reconstr Surg** 1985 Mar;75(3):443

[Significance of family photographs for genetic counseling in sex-linked heredity] Le Marec B, et al. **J Genet Hum** 1984 Sep;32(4):279–86 (Eng. Abstr.) **(Fre)**

[Biometry of the lens with respect to age and cataract morphology. Evaluation of Scheimpflug photos of the anterior segment] Shibata T, et al. **Klin Monatsbl Augenheilkd** 1984 Jul;185(1):35–42 (Eng. Abstr.) **(Ger)**

[Quantitative analysis of human cataractous lenses with slitlamp and retroillumination photography] Yuge T, et al. **Nippon Ganka Gakkai Zasshi** 1984 Oct;88(10):1287–92 (Eng. Abstr.) **(Jpn)**

[Application of moiré topography for the evaluation of anterior chest deformities] Paik N. **Nippon Kyobu Geka Gakkai Zasshi** 1984 Jun;32(6):885–93 (Eng. Abstr.) **(Jpn)**

[Method of identifying persons by their skulls using the photomatching technic] Piatkevich MM, et al. **Sud Med Ekspert** 1984 Oct–Dec;27(4):31–3 (Eng. Abstr.) **(Rus)**

[Possibilities of the early detection of scoliosis using moire topography] Pećina M, et al. **Lijec Vjesn** 1984 Oct; 106(10):395–401 (Eng. Abstr.) **(Ser)**

HISTORY

[Roentgen stereoscopy] Wenz W, et al. **Radiologe** 1985 Jun; 25(6):237–40 **(Ger)**

INSTRUMENTATION

Clinical experience with the Otago Photoscreener. Molteno AC, et al. **Aust N Z J Ophthalmol** 1985 Feb;13(1):49–58

Enhanced nuclear radiation from camera lenses. Waligórski MP, et al. **Health Phys** 1985 Sep;49(3):491–4

Processing litho films with a modified Kodak X-Omat. deVeer WH. **J Biol Photogr** 1985 Jan;53(1):35–6

Automatic processor problem solving. Gero AJ. **J Biol Photogr** 1984 Jul;52(3):72

Evaluation of the Medical-Dental-Bio-Macro-Bracket for small object photography. LeBeau LJ, et al. **J Biol Photogr** 1985 Jan;53(1):19–29

A simple method of adding half-stops to a Micro Nikkor lens. Loomis SD. **J Biol Photogr** 1984 Jul;52(3):53–5

Development of an imaging system for ophthalmic photography. Warnicki JW, et al. **J Biol Photogr** 1985 Jan; 53(1):9–17

What's new in equipment for medical photography (2). Rosenberg SP. **J Dermatol Surg Oncol** 1985 Mar; 11(3):213–4

What's new in endoscopic still photography. Cohen MR. **J Reprod Med** 1984 Aug;29(8):589–91

Flexible fiberoptic and rigid telescopes for intranasal photography. Leopold DA. **Laryngoscope** 1984 Nov;94(11 Pt 1):1509–11

Diabetic retinopathy as detected using ophthalmoscopy, a nonmydriatic camera and a standard fundus camera. Klein R, et al. **Ophthalmology** 1985 Apr;92(4):485–91

A less expensive interference filter for fluorescence photography [letter] Myers B. **Plast Reconstr Surg** 1985 Jan;75(1):133–4

A portable photographic backdrop [letter] Perez-Gurri JA. **Plast Reconstr Surg** 1985 Jan;75(1):138

Rapid preparation of lecture slides. Persson AV, et al. **Surg Clin North Am** 1985 Feb;65(1):139–48

[A reader of negatives adapted to cytogenetics] Gilliotte J. **Ann Genet (Paris)** 1984;27(4):259–61 (Eng. Abstr.) **(Fre)**

[New instruments for campimetric retinography] Amalric P. **Bull Acad Natl Med (Paris)** 1984 Oct–Nov;168(7–8):883–9 (Eng. Abstr.) **(Fre)**

[Format filling photodocumentation with the flexible endoscope Olympus ENF-P using a new objective combination] Mertens J. **HNO** 1985 Jul;33(7):328–31 (Eng. Abstr.) **(Ger)**

[Microsurgical experimental studies in urology and their film documentation] Fuhse J, et al. **Z Exp Chir Transplant Kunstliche Organe** 1985;18(1):51–8 (Eng. Abstr.) **(Ger)**

[Stereo-ophthalmoscope model 110 of VEB Carl Zeiss Jena adapted for stereophotography] Marcinkiewicz W. **Klin Oczna** 1984 Nov;86(11):500–3 (Eng. Abstr.) **(Pol)**

[Adaptation of the Retinophot camera for taking photographs of the fundus oculi at patient's bedside] Wroclawski J, et al. **Klin Oczna** 1984 Jun;86(6):279–80 (Eng. Abstr.) **(Pol)**

[Attachment to the IM-789 indicator for photographic recording] Preobrazhenskiĭ NN, et al. **Fiziol Zh** 1985 Mar–Apr;31(2):247–9 **(Rus)**

[Attachment for infrared photography] Kuznetsov IuV, et al. **Sud Med Ekspert** 1985 Apr–Jun;28(2):57 **(Rus)**

METHODS

Principles of photometry of the papilla. Hendrickson P, et al. **Arch Ophthalmol** 1984 Nov;102(11):1704–7

Low cost endoscopic photography. Gingell JC, et al. **Br J Urol** 1984 Aug;56(4):442–3

Improved record keeping and photography of silver-stained two-dimensional electrophoretograms by way of 'XRD images'. Harrison HH. **Clin Chem** 1984 Dec;30(12 Pt 1):1981–4

Computer-aided digitisation of fundus photographs. Sleightholm MA, et al. **Clin Phys Physiol Meas** 1984 Nov; 5(4):295–301

Prognosis of functional capacity in rheumatoid arthritis by chirophotogrammetry [letter] Cervini C, et al. **Clin Rheumatol** 1984 Sep;3(3):401

Intragastric infrared photography in conjunction with infrared absorption angiography. Franke J, et al. **Gastrointest Endosc** 1985 Apr;31(2):87–9

X ray film duplication [letter] Reinstein LE. **Int J Radiat Oncol Biol Phys** 1985 May;11(5):1059

Measurement of anterior chamber diameter and biometry of anterior segment by Scheimpflug slitlamp photography. Lerman S, et al. **J Am Intraocul Implant Soc** 1985 Mar; 11(2):149–52

Poster session presentations––their impact on biophotography and the process of preparation. Caliendo MA. **J Biol Photogr** 1985 Jan;53(1):5–8

Black and white display transparencies of histological sections. Gee G. **J Biol Photogr** 1984 Jul;52(3):63

Techniques for photography of immersed specimens. Kennedy LA. **J Biol Photogr** 1984 Jul;52(3):67–71

Poster session displays. Renner WE, et al. **J Biol Photogr** 1985 Jan;53(1):31–4

The heart of medical photography. Schuchardt MM. **J Biol Photogr** 1984 Jul;52(3):51–2

No biocommunicator is an island. Scott ML. **J Biol Photogr** 1984 Jul;52(3):73–6

Photomacrography and the programmable calculator. Unda GG. **J Biol Photogr** 1984 Jul;52(3):59–62

Application of moiré topography to mantle treatment. Yuen K, et al. **J Can Assoc Radiol** 1984 Jun;35(2):225–8

The forensic science use of reflective ultraviolet photography. Krauss TC, et al. **J Forensic Sci** 1985 Jan; 30(1):262–8

A lateral photometric analysis for aesthetic-orthognathic treatment. Bütow KW. **J Maxillofac Surg** 1984 Oct; 12(5):201–7

The possibility of measuring plaque growth in vivo within 24 hours. Quirynen M, et al. J **Periodont Res** 1985 May; 20(3):321–8

Measuring wear of artificial teeth with stereophotography: Part I. Ogle RE, et al. **J Prosthet Dent** 1985 Jun; 53(6):807–12

Inexpensive lecture slides. Barreras RD, et al. **Laryngoscope** 1985 Sep;95(9 Pt 1):1121–2

New approach to area image analysis of Scheimpflug photos of the anterior eye segment. Mayer H, et al. **Ophthalmic Res** 1985;17(2):106–10

Color prints from color slides. Netherton J, et al. **Ophthalmic Surg** 1984 Aug;15(8):677

Standards of photography [letter] Kesselring UK. **Plast Reconstr Surg** 1985 Feb;75(2):280–1

Biostereometrics and computergraphics for patients with craniofacial malformations: diagnosis and treatment planning. Sen Savara B, et al. **Plast Reconstr Surg** 1985 Apr;75(4):495–501

Generation of three dimensional images from CT scans:

technological perspective. Knapp RH, et al. **Radiol Technol** 1985 Jul-Aug;56(6):391-8

Test pattern for video displays and hard-copy cameras. Gray JE, et al. **Radiology** 1985 Feb;154(2):519-27

Fluorescence microscopy with antisera against specific cellular structure: double photography method for cell identification in populations of multiple cell types. Cherry LM. **Stain Technol** 1985 Mar;60(2):99-102

Streamlined fluorescein photography. Lanzafame RJ, et al. **Surg Gynecol Obstet** 1985 Apr;160(4):356-7

[Endoscopy and photodocumentation of the nasopharynx and larynx in children] Hložek Z, et al. **Cesk Otolaryngol** 1985 Jan;34(1):55-8 (Eng. Abstr.) **(Cze)**

[Radiophotography] Vallée C, et al. **J Radiol** 1984 Apr; 65(4):307-8 (Eng. Abstr.) **(Fre)**

[Demonstration of myotonic cataract with Scheimpflug photography] Olbert D, et al. **Fortschr Ophthalmol** 1984; 81(4):341-3 (Eng. Abstr.) **(Ger)**

[Initial experiences with a new stereo roentgen technic in general radiology] Tenner R, et al. **Radiologe** 1985 Jun; 25(6):241-6 (Eng. Abstr.) **(Ger)**

[Reproducibility of surface measurements of the back using the opTRImetric method] Rohlmann A, et al. **Z Orthop** 1985 Mar-Apr;123(2):205-12 (Eng. Abstr.) **(Ger)**

[Application of a solid-state image sensor for measuring erythrocyte velocity in microvessels] Fukushima T, et al. **Iyodenshi To Seitai Kogaku** 1984 Oct;22(6):447-50 (Eng. Abstr.) **(Jpn)**

[Use of photographic methods of correcting contrast on x-ray pictures] Kossovoi AL. **Vestn Rentgenol Radiol** 1985 Mar-Apr;(2):67-70 (Eng. Abstr.) **(Rus)**

STANDARDS

Winners of the 1984 slide competition. Block S. **Arthritis Rheum** 1985 May;28(5):569-72

PHOTOLYSIS

The nature of species prepared by photolysis of half-reduced, fully reduced and fully reduced carbonmonoxy-cytochrome c-551 peroxidase from Pseudomonas aeruginosa. Greenwood C, et al. **Biochem J** 1984 Oct 15;223(2):379-91

CO bond angle changes in photolysis of carboxymyoglobin. Powers L, et al. **Biochemistry** 1984 Nov 6;23(23):5519-23

The kinetics of colloid osmotic hemolysis. II. Photohemolysis. Pooler JP. **Biochim Biophys Acta** 1985 Jan 10;812(1):199-205

Photolysis of aromatic compounds in water in the presence of hydrogen peroxide. Mansour M. **Bull Environ Contam Toxicol** 1985 Jan;34(1):89-95

Role of active oxygen species in the photodestruction of microsomal cytochrome P-450 and associated monooxygenases by hematoporphyrin derivative in rats. Das M, et al. **Cancer Res** 1985 Feb;45(2):608-15

Effects of photosensitization by hematoporphyrin derivative on mitochondrial adenosine triphosphatase-mediated proton transport and membrane integrity of R3230AC mammary adenocarcinoma. Perlin DS, et al. **Cancer Res** 1985 Feb;45(2):653-8

A dopamine D2 receptor photolabel: azidoclebopride. Niznik HB, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):389-90

The in vitro photolysis of whole rat lenses using focused 290 nm laser radiation. Hibbard LB, et al. **Exp Eye Res** 1985 Feb;40(2):285-95

Determination of 23 polycyclic aromatic hydrocarbons in atmospheric particulate matter of the Paris area and photolysis by sunlight. Muel B, et al. **Int J Environ Anal Chem** 1985;19(2):111-31

A polychromatic flash photolysis apparatus (PFPA). Uhl R, et al. **J Biochem Biophys Methods** 1984 Nov;10(1-2):35-48

Evidence for a photoactivation of CO rebinding to fully reduced cytochrome c oxidase after low-temperature flash photolysis. Denis M, et al. **J Inorg Biochem** 1985 Mar-Apr; 23(3-4):259-62

Kinetics of sickle hemoglobin polymerization. I. Studies using temperature-jump and laser photolysis techniques. Ferrone FA, et al. **J Mol Biol** 1985 Jun 25;183(4):591-610

Molecular dynamics simulation of photodissociation of carbon monoxide from hemoglobin. Henry ER, et al. **Proc Natl Acad Sci USA** 1985 Apr;82(7):2034-8

Evidence for a common BATHO-intermediate in the bleaching of rhodopsin and isorhodopsin. Kliger DS, et al. **Vision Res** 1984;24(11):1465-70

[Stability studies on nafamstat mesilate in aqueous solution. II. Studies on the photostability of nafamstat mesilate] Kurotori M, et al. **Yakugaku Zasshi** 1985 May;105(5):470-4 (Eng. Abstr.) **(Jpn)**

[Products of laser photolysis of thymine and their transformation in chemical hydrolysis of polynucleotides to the bases] Iakovlev DIu, et al. **Radiobiologiia** 1984 Sep-Oct;24(5):590-4 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Separation and characterisation of light scattering transients from rod outer segments of vertebrate photoreceptors: design and performance of a Multi Angle Flash Photolysis Apparatus (MAFPA). Uhl R, et al. **J Biochem Biophys Methods** 1985 May;11(1):31-43

PHOTOMETRY

Comparison between flow cytometry and single cell cytophotometry for DNA content analysis of the uterine cervix. Strang P, et al. **Acta Radiol [Oncol]** 1985 Jul-Aug; 24(4):337-41

A comparison of the measurement of sodium and potassium by flame photometry and ion-selective electrode. Worth HG. **Ann Clin Biochem** 1985 Jul;22 (Pt 4):343-50 (47 ref.)

Quantitative vitreous fluorophotometry applying a mathematical model of the eye. Lund-Andersen H, et al. **Invest Ophthalmol Vis Sci** 1985 May;26(5):698-710

[Fast physiochemical methods for the detection of bacteria in the urine] Strassburger J, et al. **Z Urol Nephrol** 1984 Jul;77(7):415-9 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Rapid diagnosis of urinary tract infection using a simple photometer. O'Neal H, et al. **Age Ageing** 1984 Nov; 13(6):370-6

Evaluation of retinal capillary permeability [letter] Tom WW, et al. **Arch Surg** 1985 Jun;120(6):754

Rapid measurement of creatine kinase activity in a coronary care unit using a portable benchtop reflectance photometer. Gibb I, et al. **Br Med J [Clin Res]** 1985 May 11; 290(6479):1381-3

A 'high-performance' 2D gel scanner. Kronberg H, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):2059-62

The spectrophtal: an instrument for ocular spectrophotometry and fluorophotometry. Alvarez Martin P, et al. **Graefes Arch Clin Exp Ophthalmol** 1985; 222(4-5):206-8

Optimized protocol for Fluorotron Master. Gray JR, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;222(4-5):225-9

Design considerations for a fluorophotometer for ocular research. Munnerlyn CR, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;222(4-5):209-11

[Blood glucose determination at the bedside with test strips and reflection photometer: comparison of 2 instruments with a standard method] Cretti M, et al. **Schweiz Med Wochenschr** 1984 Oct 27;114(43):1492-4 (Eng. Abstr.) **(Ger)**

[Improvement of suction equipment for the Spekol suction attachment] Gartkzke J, et al. **Z Med Lab Diagn** 1985; 26(3):175-6 **(Ger)**

[Development of a new cuvette for bio- and chemoluminescence measurements] Popov I, et al. **Z Med Lab Diagn** 1984;25(8):440-3 (Eng. Abstr.) **(Ger)**

[Errors of impulse photometers] Kutev IuM. **Med Tekh** 1984 Sep-Oct;(5):37-40 (Eng. Abstr.) **(Rus)**

METHODS

Use of Seralyzer system for theophylline level determination in an office setting. Lotner GZ, et al. **Ann Allergy** 1985 Sep;55(3):454-7

Automated determinations of K+ and Li+ with a microprocessor-controlled flame photometer [letter] Soltero RA. **Clin Chem** 1985 Jun;31(6):1094

Ocular fluorophotometry. International symposium. Creteil, France, April 16-18, 1982. **Graefes Arch Clin Exp Ophthalmol** 1985;222(4-5):165-268

Measurement with fluorophotometry: I. Plasma binding. II. Anterior segment, and III. Aqueous humor flow. Brubaker RF. **Graefes Arch Clin Exp Ophthalmol** 1985; 222(4-5):190-3

Technical variables in vitreous fluorophotometry. Conway BP. **Graefes Arch Clin Exp Ophthalmol** 1985; 222(4-5):194-201

Vitreous fluorophotometry recordings in posterior segment disease. Cunha-Vaz JG. **Graefes Arch Clin Exp Ophthalmol** 1985;222(4-5):241-7

Vitreous fluorophotometry in diabetics: study of artifactual contributions. Delori FC, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;222(4-5):215-8

Photometric oculometry: a slit-lamp technique for determination of intraocular distances. Krogsaa B, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;222(4-5):212-4

Factors affecting vitreous fluorescence. Mosier MA. **Graefes Arch Clin Exp Ophthalmol** 1985;222(4-5):202-5

Vitreous fluorophotometry studies in aphakia. Quentel G, et al. **Graefes Arch Clin Exp Ophthalmol** 1985; 222(4-5):248-9

Vitreous fluorophotometry studies in retinitis pigmentosa. Travassos A, et al. **Graefes Arch Clin Exp Ophthalmol** 1985; 222(4-5):237-40

A new method of measuring in vivo the lens transmittance, and study of lens scatter, fluorescence and transmittance. Zeimer RC, et al. **Ophthalmic Res** 1984;16(5):246-55

DNA-Feulgen-cytophotometric analysis of single cells isolated from paraffin embedded tissue. Delgado R, et al. **Pathol Res Pract** 1984 Sep;179(1):92-4

A functional photometric assay for plasma fibrinogen. Becker U, et al. **Thromb Res** 1984 Sep 1;35(5):475-84

Faecal chymotrypsin for investigation of exocrine pancreatic function: a comparison of two newly developed tests with the titrimetric method. Ehrhardt-Schmelzer S, et al. **Z Gastroenterol** 1984 Nov;22(11):647-51

[Impulse cytophotometry in human sperm specimen analysis] Hettwer H. **Acta Histochem [Suppl] (Jena)** 1985;31:201-6 **(Ger)**

[Photometric and graphic evaluation of slow serum agglutinations for the standardization of brucellosis diagnosis] Schwarz I, et al. **Z Med Lab Diagn** 1984; 25(8):436-9 (Eng. Abstr.) **(Ger)**

[Automated microplate-photometry for titration of anti-diphtheria toxin by cell culture method and by enzyme-linked immunoassay] Yamauchi K, et al. **Rinsho Byori** 1984 Jun;32(6):661-5 **(Jpn)**

[Comparison of the visual and microphotometric assessment of the content of cytochemically detectable enzymes in blood leukocytes] Lazorik MI, et al. **Lab Delo** 1984; (8):494-5 (Eng. Abstr.) **(Rus)**

[Photometric methods of laboratory studies and their application to medical microanalysis] Men'shikov VV, et al. **Lab Delo** 1985;(4):195-7 (Eng. Abstr.) **(Rus)**

STANDARDS

The performance of a new commercial ocular fluorophotometer in the clinical environment. Zeimer RC, et al. **Graefes Arch Clin Exp Ophthalmol** 1985; 222(4-5):223-4

PHOTOMICROGRAPHY

[Macrophotography in transmitted light. Contribution to an analysis of horizontal structures of pigmented skin tumors] Haas N, et al. **Z Hautkr** 1984 Aug 1;59(15):985-9 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Method of microphoto exposure using the Sverdlovsk-4 photo exposure meter] Sapozhnikov AG, et al. **Arkh Patol** 1985;47(1):81-2 (Eng. Abstr.) **(Rus)**

METHODS

Photomicrography of weakly fluorescent objects--employment of p-phenylene diamine as a blocker of fading. Storz H, et al. **Acta Histochem (Jena)** 1984; 75(2):133-9

Three-dimensional reconstruction from serial sections III. AUTOSCAN, a software package in FORTRAN for semiautomated photomicrography. Prothero JS, et al. **Comput Biomed Res** 1985 Apr;18(2):132-6

Automated analysis of wide-field specular photomicrographs. Hirst LW, et al. **Cornea** 1984;3(2):83-7

PHOTONS see **RADIATION**

PHOTOPHOSPHORYLATION

Photoaffinity labeling of the tight ADP binding site of the chloroplast coupling factor one (CF1): the effect on the CF1-ATPase activity. Czarnecki JJ, et al. **Biochim Biophys Acta** 1985 Aug 28;809(1):51-6

A new approach to the mechanism of photophosphorylation: modulation of ATP synthetase activity by limited diffusibility of nucleotides near the enzyme. Aflalo C, et al. **Curr Top Cell Regul** 1984;24:435-45

Binding change mechanism for ATP synthesis by oxidative phosphorylation and photophosphorylation. Cross RL, et al. **Curr Top Cell Regul** 1984;24:335-44

Protonmotive force and photophosphorylation in single swollen thylakoid vesicles. Campo ML, et al. **Eur J Biochem** 1985 Jun 18;149(3):511-6

Correlation between membrane-localized protons and flash-driven ATP formation in chloroplast thylakoids. Dilley RA, et al. **J Bioenerg Biomembr** 1984 Jun; 16(3):173-93

PHOTOPROTEINS see **LUMINESCENT PROTEINS**

PHOTORECEPTORS

Bovine-like rhodopsin in algae [news] Berg HC. **Nature** 1984 Oct 25-31;311(5988):702

[Study of the molecular organization of visual rhodopsin in photoreceptor membranes by limited proteolysis] Martynov VI, et al. **Bioorg Khim** 1983 Jun;9(6):734-45 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

A review of the role of cyclic GMP in neurological mutants with photoreceptor dysplasia. Chader GJ, et al. **Curr Eye Res** 1985 Jul;4(7):811-9 (26 ref.)

ANALYSIS

Isolation and characterization of monkey interphotoreceptor retinoid-binding protein, a unique extracellular matrix component of the retina. Redmond TM, et al. **Biochemistry** 1985 Jan 29;24(3):787-93

S-antigen immunoreactivity in retinal rods and cones and pineal photosensitive cells. Mirshahi M, et al. **Biol Cell** 1984;52(2):195-8

Chromophores in the extraretinal photoreceptor (pineal organ) of teleosts. Tabata M, et al. **Brain Res** 1985 Jul 8; 338(1):173-6

Heterogeneity of chicken photoreceptors as defined by hybridoma supernatants. An immunocytochemical study. Szél A, et al. **Cell Tissue Res** 1985;240(3):735-41

Some functional characteristics of purified bovine interphotoreceptor retinol-binding protein. Adler AJ, et al. **Invest Ophthalmol Vis Sci** 1985 Mar;26(3):273-82

[Visual rhodopsin. III. Complete amino acid sequence and topography in a membrane] Ovchinnikov IuA, et al. **Bioorg Khim** 1983 Oct;9(10):1331-40 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Organ culture of the goldfish pineal body. An ultrastructural and biochemical study. McNulty JA. **Cell Tissue Res** 1984; 238(3):565-75

Opsin-immunoreactive outer segments of photoreceptors in the eye and in the lumen of the optic nerve of the hagfish, Myxine glutinosa. Vigh-Teichmann I, et al. **Cell Tissue Res** 1984;238(3):515-22

Some contributions to the cell biology of photoreceptors. Proctor lecture. Cohen AI. **Invest Ophthalmol Vis Sci** 1984 Dec;25(12):1354-65

Ontogeny of the visual system in the cuttlefish, Sepiella japonica. I. Morphological differentiation of the visual cell. Yamamoto M. **J Comp Neurol** 1985 Feb 15;232(3):347-61

Retrograde labelling of photoreceptors in different regions of the compound eyes of bees and ants. Meyer EP. **J Neurocytol** 1984 Oct;13(5):825-36

Visibility of photoreceptors in the intact living cane toad eye. Jagger WS. **Vision Res** 1985;25(5):729-31

DRUG EFFECTS

Effect of calmodulin on the structural state of photoreceptor membranes and rhodopsin-containing phospholipid vesicles. Volotovski ID, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):517-21

The effect of nucleotides on the rate of spontaneous quantum bumps in Limulus ventral photoreceptors. Stern J, et al. **J Gen Physiol** 1985 Feb;85(2):157-69

[Pharmacologic sensitivity of the photopic c wave in the electroretinogram of the chicken. II. Effects of sodium iodate and general anesthesia] Wioland N, et al. **C R Acad Sci [III]** 1984;299(19):799-804 (Eng. Abstr.) **(Fre)**

[Action of chelators of divalent cations on the receptor potential of the retinal rods of the frog] Govardovskiĭ VI, et al. **Dokl Akad Nauk SSSR** 1985;281(4):1000-4 **(Rus)**

ENZYMOLOGY

Acyltransferase and acid hydrolase activities of the abalone photoreceptor cell. Kataoka S, et al. **Cell Tissue Res** 1985; 241(1):59-65

Ultracytochemical study of Ca++-ATPase and K+-NPPase activities in retinal photoreceptors of the guinea pig. Ueno S, et al. **Cell Tissue Res** 1984; 237(3):479-89

A new histo- and cytochemical method for demonstration of cyclic 3',5'-nucleotide phosphodiesterase activity in retinal rod photoreceptor cells of the rat. Ueno S, et al. **Histochemistry** 1984;81(5):445-51

GROWTH & DEVELOPMENT

Formation of new rod photoreceptor synapses onto differentiated bipolar cells in goldfish retina. Kock JH, et al. **Anat Rec** 1985 Jan;211(1):69-74

Dense core vesicles during photoreceptor development. Armengol JA, et al. **Experientia** 1984 Oct 15;40(10):1149-51

IMMUNOLOGY

Photoreceptor cell-specific localization of S-antigen in retina. Broekhuyse RM, et al. **Curr Eye Res** 1985 Jun; 4(6):703-6

Retinal S-antigen epitopes in vertebrate and invertebrate photoreceptors. Mirshahi M, et al. **Invest Ophthalmol Vis Sci** 1985 Jul;26(7):1016-21

Light-dependent antibody labelling of photoreceptors. Balkema GW, et al. **Nature** 1985 Aug 15-21; 316(6029):630-3

METABOLISM

A direct demonstration that inositol-trisphosphate induces an increase in intracellular calcium in Limulus photoreceptors. Brown JE, et al. **Biochem Biophys Res Commun** 1984 Dec 28;125(3):1137-42

Light-mediated breakdown of phosphatidylinositol-4,5-bisphosphate in isolated rod outer segments of frog photoreceptor. Hayashi F, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):954-9

Light-regulated biochemical events in invertebrate photoreceptors. 1. Light-activated guanosinetriphosphatase, guanine nucleotide binding, and cholera toxin catalyzed labeling of squid photoreceptor membranes. Vandenberg CA, et al. **Biochemistry** 1984 May 22;23(11):2339-47

Light-regulated biochemical events in invertebrate photoreceptors. 2. Light-regulated phosphorylation of rhodopsin and phosphoinositides in squid photoreceptor membranes. Vandenberg CA, et al. **Biochemistry** 1984 May 22;23(11):2347-52

Complex glycoproteins associated with the detergent-resistant membrane matrix of the rhabdomeral microvilli of crayfish photoreceptors. de Couet HG. **Exp Eye Res** 1984 Sep;39(3):279-97

Light-induced binding of 48-kDa protein to photoreceptor membranes is highly enhanced by phosphorylation of rhodopsin. Kühn H, et al. **FEBS Lett** 1984 Oct 29; 176(2):473-8

Cytochemical analysis of oligosaccharide processing in frog photoreceptors. Wood JG, et al. **Histochem J** 1985 May; 17(5):585-94

Sialic acid on the surface of photoreceptors and pigment epithelium in RCS rats. Cohen D, et al. **Invest Ophthalmol Vis Sci** 1984 Nov;25(11):1342-5

Müller cell expression of glial fibrillary acidic protein after genetic and experimental photoreceptor degeneration in the rat retina. Eisenfeld AJ, et al. **Invest Ophthalmol Vis Sci** 1984 Nov;25(11):1321-8

Free extracellular [Ca2+] at photoreceptor level equals that in vitreous in frog and carp eyes. Kaila K, et al. **Invest Ophthalmol Vis Sci** 1984 Dec;25(12):1395-401

Properties of an interphotoreceptor retinoid-binding protein from bovine retina. Saari JC, et al. **J Biol Chem** 1985 Jan 10;260(1):195-201

Photoreceptor GTP binding protein mediates fluoride activation of phosphodiesterase. Stein PJ, et al. **J Biol Chem** 1985 Aug 5;260(16):9081-4

The distribution of filipin-sterol complexes in photoreceptor synaptic membranes. Cooper NG, et al. **J Comp Neurol** 1984 Dec 10;230(3):437-43

Differential effects of protease digestion on photoreceptor lectin binding sites. Wood JG, et al. **J Histochem Cytochem** 1985 Jul;33(7):642-6

Localization of the Na-K pump in turtle retina. Stirling CE, et al. **J Neurocytol** 1985 Feb;14(1):33-47

Effects of neuraminidase on lectin binding sites in photoreceptor cells of monkey retina. Uehara F, et al. **Jpn J Ophthalmol** 1985;29(1):54-62

Stimulated drug uptake in a photoreceptor cell. Wilcox M, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):187-92

[Potassium conductivity of the plasma membrane of frog photoreceptor cells] Kolesnikov SS, et al. **Biofizika** 1984 Sep-Oct;29(5):786-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Spectral sensitivity in insect photoreceptors at a range of temperatures. Järvilehto M, et al. **Acta Physiol Scand [Suppl]** 1984;537:81-6

Shape of the Stiles-Crawford function for traverses of the entrance pupil not passing through the peak of sensitivity. Lakshminarayanan V, et al. **Am J Optom Physiol Opt** 1985 Feb;62(2):127-8

Temporal tuning and nonlinearity of intraretinal pathways in turtle: effects of temperature, stimulus intensity, and size. Adolph AR. **Biol Cybern** 1985;52(1):59-69

Spatial information capacity of eyes: roles of Na+ channels and photon noise in photoreceptor. Gupta BD. **Biol Cybern** 1984;50(6):395-400

Voltage-dependent calcium and calcium-activated potassium currents of a molluscan photoreceptor. Alkon DL, et al. **Biophys J** 1984 Nov;46(5):605-14

Cross-linking of dark-adapted frog photoreceptor disk membranes. Evidence for monomeric rhodopsin. Downer NW. **Biophys J** 1985 Mar;47(3):285-93

Transient dichroism in photoreceptor membranes indicates that stable oligomers of rhodopsin do not form during excitation. Downer NW, et al. **Biophys J** 1985 Mar; 47(3):277-84

Physical analysis of light-scattering changes in bovine photoreceptor membrane suspensions. Michel-Villaz M, et al. **Biophys J** 1984 Nov;46(5):655-62

Direct intracellular measurement of non-linear postreceptor transfer functions in dark and light adaptation in Limulus. Wang LT, et al. **Brain Res** 1985 Feb 25;328(1):41-50

Temporal relationships of latency and magnitudes of Limulus ventral photoreceptor potentials elicited by two light pulses. Wulff VJ, et al. **Brain Res Bull** 1985 Jan;14(1):1-3

Two latent period processes in Limulus ventral photoreceptors. Wulff VJ, et al. **Brain Res Bull** 1984 Jul; 13(1):79-92

Interactions between PI and slow PIII in the generation of the electroretinogram c-wave. Nilsson SE. **Dev Ophthalmol** 1984;9:53-8

The linear opponent color space. Scheibner H, et al. **Dev Ophthalmol** 1984;9:147-56

Relation of retinomotor responses and contractile proteins in vertebrate retinas. Drenckhahn D, et al. **Eur J Cell Biol** 1985 May;37:156-68

Photoreceptor inputs to cat lateral geniculate nucleus cells. Mouat GS. **Exp Brain Res** 1985;59(2):242-8

Developing pigeon retina: light-evoked responses and ultrastructure of outer segments and synapses. Bagnoli P, et al. **J Comp Neurol** 1985 May 15;235(3):384-94

Ontogeny of the visual system in the cuttlefish, Sepiella japonica. II. Intramembrane particles, histofluorescence, and electrical responses in the developing retina. Yamamoto M, et al. **J Comp Neurol** 1985 Feb 15; 232(3):362-71

Frog rod outer segments with attached inner segment ellipsoids as an in vitro model for photoreceptors on the retina. Biernbaum MS, et al. **J Gen Physiol** 1985 Jan; 85(1):83-105

Light reduces the voltage-dependent inward current in Limulus ventral photoreceptors. Chinn K, et al. **J Gen Physiol** 1984 Sep;84(3):463-73

Calcium mediates the light-induced decrease in maintained K+ current in Limulus ventral photoreceptors. Chinn K, et al. **J Gen Physiol** 1984 Sep;84(3):447-62

Relationship between light sensitivity and intracellular free Ca concentration in Limulus ventral photoreceptors. A quantitative study using Ca-selective microelectrodes. Levy S, et al. **J Gen Physiol** 1985 Jun;85(6):805-41

The role of metarhodopsin in the generation of spontaneous quantum bumps in ultraviolet receptors of Limulus median eye. Evidence for reverse reactions into an active state. Lisman J. **J Gen Physiol** 1985 Feb;85(2):171-87

Comparison of time constants of single channel patches, quantum bumps, and noise analysis in Limulus ventral photoreceptors. Dirnberger G, et al. **J Membr Biol** 1985; 83(1-2):39-43

Bluelight-induced, flavin-mediated transport of redox equivalents across artificial bilayer membranes. Schmidt W. **J Membr Biol** 1984;82(2):113-22

Photoreceptors and visual interneurons in the medicinal leech. Peterson EL. **J Neurobiol** 1984 Nov;15(6):413-28

Integration of nonphaselocked exteroceptive information in the control of rhythmic flight in the locust. Reichert H, et al. **J Neurophysiol** 1985 May;53(5):1201-18

Transient membrane shedding in Limulus photoreceptors: control mechanisms under natural lighting. Chamberlain SC, et al. **J Neurosci** 1984 Nov;4(11):2792-810

Conditioned modification of phototactic behavior in Hermissenda. II. Differential adaptation of B-photoreceptors. Crow T. **J Neurosci** 1985 Jan; 5(1):215-23

Calcium ion, an intracellular messenger of light adaptation, also participates in excitation of Limulus photoreceptors. Bolsover SR, et al. **J Physiol (Lond)** 1985 Jul;364:381-93

3',5'-cyclic adenosine monophosphate and adenylate cyclase in phototransduction by limulus ventral photoreceptors. Brown JE, et al. **J Physiol (Lond)** 1984 Aug;353:523-39

Changes in sodium activity during light stimulation in photoreceptors, glia and extracellular space in drone retina. Coles JA, et al. **J Physiol (Lond)** 1985 May;362:415-35

A rhodopsin is the functional photoreceptor for phototaxis in the unicellular eukaryote Chlamydomonas. Foster KW, et al. **Nature** 1984 Oct 25-31;311(5988):756-9

Rhodopsin-like sensitivity of extra-retinal photoreceptors mediating the photoperiodic response in quail. Foster RG, et al. **Nature** 1985 Jan 3-9;313(5997):50-2

Comment on inferred positive phototropic activity in human photoreceptors. Enoch JM, et al. **Philos Trans R Soc Lond [Biol]** 1985 May 14; 309(1141):611-3

Current concepts in photoreceptor physiology. Sillman AJ. **Physiologist** 1985 Apr;28(2):122-8

Statistical test of linearity of photoreceptor transduction process: Limulus passes, others fail. Grzywacz NM, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):232-5

gamma-Aminobutyric acid acts at axon terminals of turtle photoreceptors: difference in sensitivity among cell types. Tachibana M, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(24):7961-4

Photosensory function of retinal-protein pigments in Halobacterium halobium. Dencher NA. **Prog Clin Biol Res** 1984;164:231-6

Genetic demonstration of a sensory rhodopsin in bacteria. Spudich JL. **Prog Clin Biol Res** 1984;164:221-9

On the transduction mechanism in the photoreceptor cell of an invertebrate, studied by single photon responses. Stieve H. **Prog Clin Biol Res** 1984;164:313-24

Molecular analysis of a visual mutation in Drosophila. Wong F. **Prog Clin Biol Res** 1985;176:47-60

Electrophysiological studies on neuronal transmission in the frog's photosensory pineal organ. The effect of amino acids and biogenic amines. Meissl H, et al. **Vision Res** 1984; 24(12):1727-34

[Molecular interactions in the membranes of visual photoreceptors. Study using mixed monomolecular film] Tancrède P. **Can J Biochem Cell Biol** 1984 Aug; 62(8):789-95 (Eng. Abstr.) **(Fre)**

[Biological method of calibrating the intensity of a monochromatic brief flash to evoke the early receptor potential] Sakai N, et al. **Nippon Ganka Gakkai Zasshi** 1984 Dec;88(12):1566-71 (Eng. Abstr.) **(Jpn)**

[Molecular mechanism of phototransduction in visual cells] Yoshizawa T, et al. **Tanpakushitsu Kakusan Koso** 1984 Nov; 29(12 Suppl):1161-74 (127 ref.) **(Jpn)**

[Dark adaptation of the photoreceptors in the isolated frog retina during induced lipid peroxidation] Akopian GKh, et al. **Biull Eksp Biol Med** 1985 Jun;99(6):665-7 (Eng. Abstr.) **(Rus)**

[Slow P III component of the electroretinogram resulting from the interaction of photoreceptors and cells of Müller in the retina] Dmitriev AV, et al. **Fiziol Zh SSSR** 1985 Apr;71(4):446-52 (Eng. Abstr.) **(Rus)**

[Photoreceptor organization of the receptive fields of the frog retina and the patterns of visual signal processing] Funtikov BA, et al. **Fiziol Zh SSSR** 1984 Oct; 70(10):1388-93 (Eng. Abstr.) **(Rus)**

[Spectral sensitivity of the visual cells of the complex eye of Blatta orientalis] Mazokhin-Porshniakov GA, et al. **Neirofiziologiia** 1985;17(1):57-61 (Eng. Abstr.) **(Rus)**

[Functional properties of the photoreceptor system of the fungus cell] Kritskiĭ MS, et al. **Zh Obshch Biol** 1984 Jul-Aug;45(4):552-65 (8 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Extraretinal photoreception in the lizard Sceloporus occidentalis: phase response curve. Underwood H. **Am J Physiol** 1985 Apr;248(4 Pt 2):R407-14

Photoreceptoral basis for altered dark-adaptation in retinal degeneration (RCS) rats. Low JC. **Curr Eye Res** 1984 Sep; 3(9):1079-83
Effects of alpha-aminoadipic acid on the glutamate-isolated P III of the rabbit electroretinogram. Reichenbach A, et al. **Doc Ophthalmol** 1985 Jun 30;59(4):359-64
Ovulatory function and retinal catecholamine concentrations in female rats with and without inherited retinal photoreceptor degeneration. Watts AG. **Neuroendocrinology** 1985 Jun;40(6):511-7

RADIATION EFFECTS

Light-induced changes in GTP and ATP in frog rod photoreceptors. Comparison with recovery of dark current and light sensitivity during dark adaptation. Biernbaum MS, et al. **J Gen Physiol** 1985 Jan;85(1):107-21
[Light absorption by the retinal photoreceptors of the human eye] Usov NI. **Oftalmol Zh** 1984;(5):308-11 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Photoreceptor nuclei outside of the limiting membrane in the chick retina. Armengol JA, et al. **Acta Anat (Basel)** 1985;122(4):201-4
Connections between the sensory retina and the retinal pigment epithelium. Nicolaissen B Jr. **Acta Ophthalmol (Copenh)** 1985 Feb;63(1):68-72
Longitudinal continuity of the subrhabdomeric cisternae in the photoreceptors of the compound eye of the drone, Apis mellifera. Skalska-Rakowska JM, et al. **Experientia** 1985 Jan 15;41(1):43-5
Ultrastructure of remnant photoreceptors in advanced hereditary retinal degeneration. Cotter JR, et al. **Invest Ophthalmol Vis Sci** 1984 Dec;25(12):1366-75
The effects of temperature and light on particles associated with crayfish visual membrane: a freeze-fracture analysis and electrophysiological study. Meyer-Rochow VB, et al. **J Neurocytol** 1984 Dec;13(6):935-59
Membrane assembly in retinal photoreceptors. III. Distinct membrane domains of the connecting cilium of developing rods. Besharse JC, et al. **J Neurosci** 1985 Apr;5(4):1035-48
Membrane assembly in retinal photoreceptors. II. Immunocytochemical analysis of freeze-fractured rod photoreceptor membranes using anti-opsin antibodies. Defoe DM, et al. **J Neurosci** 1985 Apr;5(4):1023-34
The effects of zinc deficiency on developing photoreceptors in the rat retina: a scanning microscopic study. Sinning AR, et al. **Scan Electron Microsc** 1984;(Pt 2):867-73
Novel organelle associations in photoreceptors of a serpulid polychaete worm. Smith RS. **Tissue Cell** 1984;16(6):951-6
[Three-dimensional visualization of the interphotoreceptor matrix--a deep-etching study] Matsuoka T, et al. **Nippon Ganka Gakkai Zasshi** 1984 Dec;88(12):1450-63 (Eng. Abstr.) **(Jpn)**
[Effect of avitaminosis A on retinal photoreceptor ultrastructure in adult hens] Dzhanelidze KhN. **Tsitologiia** 1984 Aug;26(8):891-5 (Eng. Abstr.) **(Rus)**

PHOTOSENSITIVITY DISORDERS

Analysis of the cytotoxic effects of light-exposed HEPES-containing culture medium. Zigler JS Jr, et al. **In Vitro Cell Dev Biol** 1985 May;21(5):282-7
Photochemical binding of photoallergens to human serum albumin: a simple in vitro method for screening potential photoallergens. Barratt MD, et al. **Toxicol Lett** 1985 Jan; 24(1):1-6

BLOOD

Determination of zinc, copper, manganese, and iron in blood from patients with light-sensitive skin diseases. Horkay I, et al. **Dermatologica** 1984;169(2):66-9

CHEMICALLY INDUCED

Studies on photohemolysis with special reference to demethylchlortetracycline. Bjellerup M, et al. **Acta Derm Venereol (Stockh)** 1984;64(5):378-83
Subacute cutaneous lupus erythematosus associated with hydrochlorothiazide therapy. Reed BR, et al. **Ann Intern Med** 1985 Jul;103(1):49-51
Quinidine photosensitivity. Armstrong RB, et al. **Arch Dermatol** 1985 Apr;121(4):525-8
Idiopathic photodermatitis with a positive paraphenylenediamine photopatch test. LeVine MJ. **Arch Dermatol** 1984 Nov;120(11):1488-90
Thiazide diuretic therapy and chronic photosensitivity. Robinson HN, et al. **Arch Dermatol** 1985 Apr;121(4):522-4
Amiodarone photosensitivity. Walter JF, et al. **Arch Dermatol** 1984 Dec;120(12):1591-4
Unusual skin manifestations of drug photosensitivity. Burry JN. **Australas J Dermatol** 1984 Dec;25(3):115-7
Photocontact allergy to octyldimethyl PABA. Weller P, et al. **Australas J Dermatol** 1984 Aug;25(2):73-6
Transient and persistent photosensitivity due to musk ambrette. Clinical and photobiological studies. Ramsay CA. **Br J Dermatol** 1984 Oct;111(4):423-9
Ketoprofen photodermatitis. Alomar A. **Contact Dermatitis** 1985 Feb;12(2):112-3
Contact dermatitis to ketoprofen. Camarasa JG. **Contact Dermatitis** 1985 Feb;12(2):120-2
Photosensitivity to musk ambrette. Cronin E. **Contact Dermatitis** 1984 Aug;11(2):88-92
Photoallergic contact dermatitis to carbimazole. Goh CL, et al. **Contact Dermatitis** 1985 Jan;12(1):58-9
Photodermatitis from musk ambrette in barbers' cologne. Goh CL, et al. **Contact Dermatitis** 1985 Apr;12(4):229-30
Phototoxicity of a weedkiller: a correction. Hindson TC, et al. **Contact Dermatitis** 1984 Oct;11(4):260
The sensitizing capacity of atranorin. Sandberg M, et al. **Contact Dermatitis** 1984 Sep;11(3):168-73
Identification of psoralen, 8-methoxypsoralen, isopimpinellin, and 5,7-dimethoxycoumarin in Pelea anisata H. Mann. Yoke Marchant Y, et al. **Contact Dermatitis** 1985 Apr; 12(4):196-9
Dyshidrotic eczema associated with piroxicam photosensitivity. Braunstein BL. **Cutis** 1985 May; 35(5):485-6
Photosensitivity associated with carprofen (Imadyl). Goh CL, et al. **Dermatologica** 1985;170(2):74-6
Photosensitivity due to drugs. Epstein JH, et al. **Drugs** 1985 Jul;30(1):42-57 (140 ref.)
Transferrin C subtypes and occupational photodermatosis of the face. Beckman L, et al. **Hum Hered** 1985;35(2):89-94
Quinidine-induced photosensitive livedo reticularis-like eruption. Bruce S, et al. **J Am Acad Dermatol** 1985 Feb; 12(2 Pt 1):332-6
Photosensitivity studies and isotretinoin therapy [letter] Diffey BL, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 1):119-21
Piroxicam-induced photosensitivity [letter] Weigand DA. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):373-4
Slate-gray pigmentation of sun-exposed skin induced by amiodarone [letter] Weiss SR, et al. **J Am Acad Dermatol** 1984 Nov;11(5 Pt 1):898-900
Tolbutamide photosensitivity. Kar PK, et al. **J Indian Med Assoc** 1984 Aug;82(8):289-91
Photohemolytic potency of tetracyclines. Bjellerup M, et al. **J Invest Dermatol** 1985 Apr:84(4):262-4
Coal tar phototoxicity: characteristics of the smarting reaction. Diette KM, et al. **J Invest Dermatol** 1985 Apr; 84(4):268-71
Experimental photoallergy to systemic drugs. Giudici PA, et al. **J Invest Dermatol** 1985 Sep;85(3):207-11
Methotrexate induced false photosensitivity reaction. Neiman RA, et al. **J Rheumatol** 1985 Apr;12(2):354-5
Persistent photoaggravated cutaneous eruption induced by imipramine [letter] Walter-Ryan WG, et al. **JAMA** 1985 Jul 19;254(3):357-8
Chemical basis of the photosensitizing activity of angelicins. Dall'Acqua F, et al. **Natl Cancer Inst Monogr** 1984 Dec; 66:55-60
Cutaneous phototoxicity due to psoralens. Gange RW, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:117-26
Mechanisms of photosensitization by furocoumarins. Grossweiner LI. **Natl Cancer Inst Monogr** 1984 Dec; 66:47-54 (62 ref.)
Difference in topical and systemic reactivity of psoralens: determinations of epidermal and serum levels. Kornhauser A, et al. **Natl Cancer Inst Monogr** 1984 Dec;66:97-101
Mechanisms of psoralen photosensitization reactions. Pathak MA. **Natl Cancer Inst Monogr** 1984 Dec;66:41-6
An in vitro test for photoinduced toxicity of benzothiadiazine diuretics using bacteriophage lambda. Fujita H, et al. **Photochem Photobiol** 1985 Mar;41(3):355-9
UVA photosensitivity in photosensitive bullous disease of chronic renal failure. Anderson CD, et al. **Photodermatol** 1985 Apr;2(2):111-4
8-methoxypsoralen-induced photo-onycholysis. Balato N, et al. **Photodermatol** 1984 Aug;1(4):202-3
Screening for drug photosensitization activity by measuring the variations in oxygen consumption of Bacillus subtilis. Beani JC, et al. **Photodermatol** 1985 Apr;2(2):101-6
Incorrect declaration of potential photosensitizing compounds. Bruze M. **Photodermatol** 1984 Aug; 1(4):199-200
Occupational photosensitivity to dinitrotoluene. Emtestam L, et al. **Photodermatol** 1985 Apr;2(2):120-1
Photohemolysis. Hetherington AM, et al. **Photodermatol** 1984 Oct;1(5):255-60
Concomitant photocontact allergy to a benzophenone derivative and a sunscreen preservative, 6-acetoxy-2,4,-dimethyl-m-dioxane. Kalimo K, et al. **Photodermatol** 1984 Dec;1(6):315-7
The Candida test for phototoxicity. Kavli G, et al. **Photodermatol** 1984 Aug;1(4):204-7
Photosensitivity to musk ambrette. Lecha M, et al. **Photodermatol** 1984 Dec;1(6):313-5
Phytophotodermatitis due to ficus carica. Lembo G, et al. **Photodermatol** 1985 Apr;2(2):119-20
Photosensitive erythema multiforme apparently induced by phenylbutazone. Leroy D, et al. **Photodermatol** 1985 Jun; 2(3):176-7
The mouse tail phototoxicity test. Ljunggren B. **Photodermatol** 1984 Apr;1(2):96-100
Propionic acid-derived non-steroidal antiinflammatory drugs are phototoxic in vitro. Ljunggren B. **Photodermatol** 1985 Feb;2(1):3-9
Phototoxicity and antipsoriatic effect of a topical methoxypsoralen solution in relation to the application time. Meffert H, et al. **Photodermatol** 1984 Aug;1(4):191-4
Phytophotodermatitis-like lesions induced by PUVA. Roelandts R, et al. **Photodermatol** 1985 Feb;2(1):40-3
Testing with musk ambrette and congeners in a case of photosensitivity dermatitis and actinic reticuloid syndrome (PD/AR). Schmidt RJ, et al. **Photodermatol** 1984 Aug; 1(4):195-8
Photosensitivity from oral administration of a fluorouracil derivative (FT 207). Sun CC, et al. **Photodermatol** 1984 Apr;1(2):94-5
Contact and photocontact allergy to sunscreens. Thune P. **Photodermatol** 1984 Feb;1(1):5-9
Degranulation of mast cells and inhibition of the response to secretory agents by phototoxic compounds and ultraviolet radiation. Gendimenico GJ, et al. **Toxicol Appl Pharmacol** 1984 Nov;76(2):374-82
[Photoallergy to quinine] Jeanmougin M, et al. **Ann Dermatol Venereol** 1984;111(6-7):565-7 (Eng. Abstr.) **(Fre)**
[Drug-induced photosensitization localized at skin areas previously treated by PUVA therapy (letter)] Leroy D, et al. **Presse Med** 1985 Feb 16;14(7):432 **(Fre)**
[Photochemical model studies on skin photosensitizing drugs: sulfonamides and sulfonylureas] Golpashin F, et al. **Arch Pharm (Weinheim)** 1984 Nov;317(11):906-13 (Eng. Abstr.) **(Ger)**
[Photoallergic reaction to carprofen] Hoting E, et al. **Derm Beruf Umwelt** 1984;32(6):215-6 (Eng. Abstr.) **(Ger)**
[Photosensitization caused by nonsteroidal antirheumatic drugs] Przybilla B, et al. **Hautarzt** 1984 Nov;35(11):561-2 **(Ger)**
[Photosensitivity due to combined hydrochlorothiazide and amiloride] Ophir O, et al. **Harefuah** 1984 Jul;107(1-2):14-5 (Eng. Abstr.) **(Heb)**
[Studies on antigenicity of difluprednate--antigenicity of difluprednate, phototoxicity and photocontact sensitivity of difluprednate ointment and cream] Hasegawa T, et al. **J Toxicol Sci** 1985 May;10(2):155-73 (Eng. Abstr.) **(Jpn)**
[The revelation of toxicity which is caused by some poisonous substances derived from foodstuffs and its modification under nutritional conditions] Kimura S. **Yakugaku Zasshi** 1984 May;104(5):423-39 (41 ref.) (Eng. Abstr.) **(Jpn)**
[Intense photodermatosis due to amiodarone (letter)] Vila Serra MD, et al. **Med Clin (Barc)** 1985 Mar 9;84(9):379 **(Spa)**

CLASSIFICATION

PIBIDS: Tay's syndrome and xeroderma pigmentosum [letter] Van Neste D, et al. **J Am Acad Dermatol** 1985 Feb; 12(2 Pt 1):372-3

COMPLICATIONS

Photosensitive psoriasis. Doyle JA. **Australas J Dermatol** 1984 Aug;25(2):54-8
Recurrent photosensitive dermatitis preceding juvenile dermatomyositis. Woo TR, et al. **Pediatr Dermatol** 1985 Mar;2(3):207-12
[Hodgkin's disease complicating actinoreticulosis] Meynadier J, et al. **Ann Dermatol Venereol** 1984;111(11):999-1003 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Phytophotodermatitis simulating child abuse. Coffman K, et al. **Am J Dis Child** 1985 Mar;139(3):239-40
The clinical spectrum of the persistent light reactor. Kaidbey KH, et al. **Arch Dermatol** 1984 Nov;120(11):1441-8
Contact and photocontact allergy in persistent light reactivity. Thune P, et al. **Contact Dermatitis** 1984 Aug; 11(2):98-107
Hepatoerythropoietic porphyria: a variant of childhood-onset porphyria cutanea tarda. Porphyrin profiles and enzymatic studies of two cases in a family. Lim HW, et al. **J Am Acad Dermatol** 1984 Dec; 11(6):1103-11
A pre-set ultraviolet dose meter. Pepper MG, et al. **Photodermatol** 1984 Dec;1(6):302-6
How to avoid phototoxic reactions in photopatch testing with chlorpromazine. Schauder S. **Photodermatol** 1985 Apr; 2(2):95-100
[Photodermatitis bullosa generalisata] Ippen H. **Derm Beruf Umwelt** 1984;32(4):134-7 (Eng. Abstr.) **(Ger)**
[Actinic porokeratosis] Karalitskiĭ EM. **Vestn Dermatol Venerol** 1984 Sep;(9):59-61 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

PUVA therapy of chronic actinic dermatitis. Hindson C, et al. **Br J Dermatol** 1985 Aug;113(2):157-60
Action of suriclone in naturally and allyglycine-induced photosensitive baboons, Papio papio. Stutzmann JM, et al. **Exp Neurol** 1984 Nov;86(2):379-87
Oral carotenoid treatment in polymorphous light eruption: a cross-over comparison with oxychloroquine and placebo. Jansén CT. **Photodermatol** 1985 Jun;2(3):166-9
PUVA-induced lupus erythematosus in a patient with polymorphous light eruption. McFadden N. **Photodermatol** 1984 Jun;1(3):148-50
Treatment of erythropoietic protoporphyria with beta-carotene. Mathews-Roth MM. **Photodermatol** 1984 Dec;1(6):318-21

ETIOLOGY

Importance of appropriate wavelength, dosage, and test site in the experimental reproduction of polymorphous light eruption [letter] Marsh TW, et al. **Arch Dermatol** 1985 May; 121(5):587

Ultraviolet radiation protection. Lerman S. **CLAO J** 1985 Jan-Mar;11(1):39-45 (67 ref.)

Phytophotodermatitis induced by Ruta chalepensis L. Brener S, et al. **Contact Dermatitis** 1985 Apr;12(4):230-2

Use of the occlusive patch to evaluate the photosensitive properties of chemicals in guinea-pigs. Buehler EV, et al. **Food Chem Toxicol** 1985 Jul;23(7):689-94

Photoallergic reaction. Classification and pathogenesis. Horio T. **Int J Dermatol** 1984 Jul-Aug;23(6):376-82 (48 ref.)

Production and inhibition of solar urticaria by visible light exposure. Horio T, et al. **J Am Acad Dermatol** 1984 Dec; 11(6):1094-9

The in vitro photosensitivity of systemic lupus erythematosus skin fibroblasts. Zamansky GB, et al. **J Immunol** 1985 Mar; 134(3):1571-6

Effects of UV radiation on autoimmune strains of mice: increased mortality and accelerated autoimmunity in BXSB male mice. Ansel JC, et al. **J Invest Dermatol** 1985 Sep; 85(3):181-6

Participation of mast cells and complement in the immediate phase of hematoporphyrin-induced phototoxicity. Kamide R, et al. **J Invest Dermatol** 1984 May;82(5):485-90

Actinic prurigo--a specific photodermatosis? Addo HA, et al. **Photodermatol** 1984 Jun;1(3):119-28

Recall of UVB-induced erythema in breast cancer patient receiving multiple drug chemotherapy. Andersen KE, et al. **Photodermatol** 1984 Jun;1(3):129-32

Photoallergic contact dermatitis to rhubarb wine. Diffey BL, et al. **Photodermatol** 1984 Feb;1(1):43-4

Phytophotodermatitis. Kavli G, et al. **Photodermatol** 1984 Apr;1(2):65-75 (38 ref.)

Experimental contact photoallergenicity: guinea pig models. Maurer T. **Photodermatol** 1984 Oct;1(5):221-31 (48 ref.)

Multiform skin eruptions with photodistribution in patients with tularemia. Väätäinen N, et al. **Photodermatol** 1985 Apr;2(2):122-3

Occupational photodermatitis from parsley. Smith DM. **Practitioner** 1985 Jul;229(1405):673-5

[Phytophotodermatitis caused by fig tree] Goitre M, et al. **G Ital Dermatol Venereol** 1984 Nov-Dec;119(6):435-6 **(Ita)**

[Allergic contact dermatitis caused by plants] Fernández de Corres L, et al. **Allergol Immunopathol (Madr)** 1984 Jul-Aug;12(4):313-9 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Hereditary polymorphic light eruption in Canadian Inuit. Orr PH, et al. **Int J Dermatol** 1984 Sep;23(7):472-5

Low-sulfur hair syndrome associated with UVB photosensitivity and testicular failure. Lucky PA, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 2):340-6

IMMUNOLOGY

Lymphocyte subsets in patients with compositae oleoresin dermatitis and increased UVA sensitivity during treatment with azathioprine. Baadsgaard O, et al. **Arch Dermatol Res** 1985;277(4):304-6

Mechanism of tetracycline phototoxicity [letter] Lim HW, et al. **J Invest Dermatol** 1985 Apr;84(4):286

Delayed phase of hematoporphyrin-induced phototoxicity: modulation by complement, leukocytes, and antihistamines. Lim HW, et al. **J Invest Dermatol** 1985 Feb;84(2):114-7

A study of compositae plant extract reactions in photosensitivity dermatitis. Addo HA, et al. **Photodermatol** 1985 Apr;2(2):68-79

In situ identification of T lymphocytes in polymorphic light eruption. Horkay I, et al. **Photodermatol** 1984 Oct; 1(5):250-2

Patients with the chronic photosensitivity dermatitis with actinic reticuloid syndrome have high total serum IgE concentrations. Vestey JP, et al. **Photodermatol** 1985 Apr; 2(2):124-5

OCCURRENCE

Leads from the MMWR. Phytophotodermatitis among grocery workers. **JAMA** 1985 Feb 8;253(6):753

Outbreak of phototoxic dermatitis from limes--Maryland. **MMWR** 1985 Aug 2;34(30):462-4

Phytophotodermatitis among grocery workers--Ohio. **MMWR** 1985 Jan 11;34(1):11-3

PATHOLOGY

Papulovesicular light eruption. A defined subset of polymorphous light eruption. Elpern DJ, et al. **Arch Dermatol** 1985 Oct;121(10):1286-8

Actinic reticuloid simulating Sézary syndrome. Report of two cases. Toonstra J, et al. **Arch Dermatol Res** 1985; 277(3):159-66

PHYSIOPATHOLOGY

The Tay syndrome. A reply to the author's reply [letter] Rebora A, et al. **Eur J Pediatr** 1984 Nov;143(1):76

Action spectrum and mechanisms of UV radiation-induced injury in lupus erythematosus. Kochevar IE. **J Invest Dermatol** 1985 Jul;85(1 Suppl):140s-143s

Carotenoid pigments and protection against photosensitization: how studies in bacteria suggested a treatment for a human disease. Mathews-Roth MM. **Perspect Biol Med** 1984 Autumn;28(1):127-39

PREVENTION & CONTROL

Pyridoxine and amiodarone-induced photosensitivity. Mulrow JP, et al. **Ann Intern Med** 1985 Jul;103(1):68-9

An evaluation of sunscreens in patients with broad action-spectrum photosensitivity. Diffey BL, et al. **Br J Dermatol** 1985 Jan;112(1):83-6

UVA sensitivity and topical photoprotection in polymorphous light eruption. McFadden N. **Photodermatol** 1984 Apr;1(2):76-8

[Light protection and increase of UV tolerance] Wiskemann A. **Z Hautkr** 1984 Nov 1;59(21):1454-62 (Eng. Abstr.) **(Ger)**

THERAPY

Placebo treatment of polymorphous light sensitivity. Jansén CT. **Photodermatol** 1984 Aug;1(4):201-2

VETERINARY

Geeldikkop in goats. Glastonbury JR, et al. **Aust Vet J** 1985 Feb;62(2):62-3

A syndrome of hepatogenous photosensitisation, resembling geeldikkop, in sheep grazing Tribulus terrestris. Glastonbury JR, et al. **Aust Vet J** 1984 Oct;61(10):314-6

Suspected facial eczema in sheep in the central Orange Free State. De Wet JA, et al. **J S Afr Vet Assoc** 1984 Dec; 55(4):199-200

[Newly seeded Italian rye grassland--photosensitization?] de Jonge WK. **Tijdschr Diergeneeskd** 1984 Jul 15;109(14):589 **(Dut)**

[Photosensitization dermatosis in sheep in the interior of the Ivory Coast] Pierre F. **Rev Elev Med Vet Pays Trop** 1984; 37(3):277-85 (Eng. Abstr.) **(Fre)**

PHOTOSYNTHESIS

Light harvesting by phycobilisomes. Glazer AN. **Annu Rev Biophys Biophys Chem** 1985;14:47-77 (132 ref.)

Nutrient transport by anoxygenic and oxygenic photosynthetic bacteria. Gibson J. **Annu Rev Microbiol** 1984;38:135-59 (159 ref.)

Regulation of C4 photosynthesis: purification and properties of the protein catalyzing ADP-mediated inactivation and Pi-mediated activation of pyruvate,Pi dikinase. Burnell JN, et al. **Arch Biochem Biophys** 1985 Mar;237(2):490-503

A photosystem II-phycobilisome preparation from the red alga, Porphyridium cruentum: oxygen evolution, ultrastructure, and polypeptide resolution. Clement-Metral JD, et al. **Arch Biochem Biophys** 1985 Apr;238(1):10-7

The stoichiometry of photorespiration during C3-photosynthesis is not fixed: evidence from combined physical and stereochemical methods. Hanson KR, et al. **Arch Biochem Biophys** 1985 Mar;237(2):300-13

Reconciliation of the absorption change at 325 nm and other flash-yield determinations of concentrations of active photosystem II centers. Jursinic P, et al. **Arch Biochem Biophys** 1985 Sep;241(2):540-9

The origin of the long-wavelength fluorescence emission band (77 degrees K) from photosystem I. Kuang TY, et al. **Arch Biochem Biophys** 1984 Dec;235(2):618-27

Dependence of nitrate utilization upon active CO2 fixation in Anacystis nidulans: a regulatory aspect of the interaction between photosynthetic carbon and nitrogen metabolism. Romero JM, et al. **Arch Biochem Biophys** 1985 Mar; 237(2):396-401

The relationship between light scattering and chlorophyll a fluorescence during oscillations in photosynthetic carbon assimilation. Sivak MN, et al. **Arch Biochem Biophys** 1985 Mar;237(2):513-9

Variable fluorescence of photosystem I particles and its application to the study of the structure and function of photosystem I. Tripathy BC, et al. **Arch Biochem Biophys** 1984 Dec;235(2):449-60

Post-illumination kinetics of cytochrome f reduction in chloroplast thylakoid in the presence of dibromothymoquinone. Bose S. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):16-21

The role of Na2S in anoxygenic photosynthesis and H2 production in the cyanobacterium Nostoc muscorum. Fry I, et al. **Biochem Biophys Res Commun** 1984 Sep 28; 123(3):1138-43

EPR studies on the photosystem II donor side in salt-washed and reconstituted inside-out thylakoids. Jansson C, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):269-76

Protein phosphorylation and optimal production of ATP in photosynthesis. Allen JF. **Biochem Soc Trans** 1984 Oct; 12(5):774-5

Picosecond spectroscopy: applications in biochemistry. Part II: Applications. Doust TA, et al. **Biochem Soc Trans** 1984 Aug;12(4):633-5

Electron-paramagnetic-resonance studies of photosynthesis. Evans MC, et al. **Biochem Soc Trans** 1985 Jun;13(3):585-8

Control of excitation energy distribution in photosynthetic systems in vivo. Williams WP. **Biochem Soc Trans** 1984 Oct;12(5):776-8

Active and resting states of the O2-evolving complex of photosystem II. Beck WF, et al. **Biochemistry** 1985 Jun 4;24(12):3035-43

Electron-transfer kinetics in photosynthetic reaction centers cooled to cryogenic temperatures in the charge-separated state: evidence for light-induced structural changes. Kleinfeld D, et al. **Biochemistry** 1984 Nov 20;23(24):5780-6

The effects of mono- and divalent salts on the O2-evolution activity and low temperature multiline EPR spectrum of Photosystem II preparations from spinach. Blough NV, et al. **Biochim Biophys Acta** 1984 Nov 26;767(2):377-81

The effect of mono- and divalent salts on the rise and decay kinetics of EPR signal II in Photosystem II preparations from spinach. Boska M, et al. **Biochim Biophys Acta** 1985 Jun 26;808(1):132-9

Interaction of linolenic acid with bound quinone molecules in Photosystem II. Time-resolved optical and electron spin resonance studies. Golbeck JH, et al. **Biochim Biophys Acta** 1984 Nov 26;767(2):263-71

Redox study of electron donation to P-680 in Photosystem II. Golbeck JH, et al. **Biochim Biophys Acta** 1985 Jan 23; 806(1):116-23

Electron nuclear double resonance of semiquinones in reaction centers of Rhodopseudomonas sphaeroides. Lubitz W, et al. **Biochim Biophys Acta** 1985 Aug 7;808(3):464-9

Nanosecond fluorescence from isolated photosynthetic reaction centers of Rhodopseudomonas sphaeroides. Woodbury NW, et al. **Biochim Biophys Acta** 1984 Nov 26;767(2):345-61

Cell-cycle-specific biosynthesis of the photosynthetic membrane of Rhodopseudomonas sphaeroides. Structural implications. Yen GS, et al. **Biochim Biophys Acta** 1984 Oct 17;777(1):41-55

Differential expression of photosynthesis genes in R. capsulata results from segmental differences in stability within the polycistronic rxcA transcript. Belasco JG, et al. **Cell** 1985 Jan;40(1):171-81

Molecular genetics and the light reactions of photosynthesis. Youvan DC, et al. **Cell** 1984 Nov;39(1):1-3

24-h organization of glycolysis and control by photoperiodism. Pierre JN, et al. **Chronobiologia** 1985 Jan-Mar;12(1):1-9

Carotenoid-deficient maize seedlings fail to accumulate light-harvesting chlorophyll a/b binding protein (LHCP) mRNA. Mayfield SP, et al. **Eur J Biochem** 1984 Oct 1; 144(1):79-84

Lipid specificity for the reconstitution of well-coupled ATPase proteoliposomes and a new method for lipid isolation from photosynthetic membranes. Van Walraven HS, et al. **Eur J Biochem** 1984 Nov 2;144(3):563-9

Modulation of chloroplast membrane lipids by homogeneous catalytic hydrogenation. Vigh L, et al. **Eur J Biochem** 1985 Mar 15;147(3):477-81

Plasmidless, photosynthetically incompetent mutants of Rhodospirillum rubrum. Kuhl SA, et al. **J Bacteriol** 1984 Sep;159(3):913-8

Fusion of liposomes and chromatophores of Rhodopseudomonas capsulata: effect on photosynthetic energy transfer between B875 and reaction center complexes. Takemoto JY, et al. **J Bacteriol** 1985 Jun; 162(3):1126-34

Polyamines in photosynthetic eubacteria and extreme-halophilic archaebacteria. Hamana K, et al. **J Biochem (Tokyo)** 1985 Jun;97(6):1653-8

Ferredoxins from the photosynthetic purple non-sulfur bacterium Rhodopseudomonas palustris. Isolation and amino acid sequence of ferredoxin I. Minami Y, et al. **J Biochem (Tokyo)** 1984 Sep;96(3):585-92

Characterization of the photosynthetic electron transport chain in normal and photobleached Anabaena cylindrica by flash spectroscopy. Barabás K, et al. **J Bioenerg Biomembr** 1985 Apr;17(2):123-34

Evidence for direct roles of calcium in photosynthesis. Brand JJ, et al. **J Bioenerg Biomembr** 1984 Aug;16(4):239-49 (77 ref.)

Photosynthetic membrane development in Rhodopseudomonas sphaeroides. Spectral and kinetic characterization of redox components of light-driven electron flow in apparent photosynthetic membrane growth initiation sites. Bowyer JR, et al. **J Biol Chem** 1985 Mar 25;260(6):3295-304

Two partially homologous adjacent light-inducible maize chloroplast genes encoding polypeptides of the P700 chlorophyll a-protein complex of photosystem I. Fish LE, et al. **J Biol Chem** 1985 Feb 10;260(3):1413-21

Topology and neighbor analysis of the photosynthetic reaction center from Rhodopseudomonas sphaeroides. Hoger JH, et al. **J Biol Chem** 1985 Jun 10;260(11):6932-7

Reconstitution of light-harvesting complexes and photosystem II cores into galactolipid and phospholipid liposomes. Sprague SG, et al. **J Cell Biol** 1985 Feb; 100(2):552-7

Structure of the spinach chloroplast genes for the D2 and 44 kd reaction-centre proteins of photosystem II and for tRNASer (UGA). Holschuh K, et al. **Nucleic Acids Res** 1984 Dec 11;12(23):8819-34

Picosecond fluorescence study of photosynthetic mutants of Chlamydomonas reinhardii: origin of the fluorescence decay kinetics of chloroplasts. Gulotty RJ, et al. **Photochem Photobiol** 1985 Apr;41(4):487-96

Eubacteria, halobacteria, and the origin of photosynthesis: the photocytes. Lake JA, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3716-20

Localized protons in photosynthesis of green plants? Junge

W, et al. **Prog Clin Biol Res** 1984;164:139-48

Electron spin polarization of photosynthetic reactants. Hoff AJ. **Q Rev Biophys** 1984 May;17(2):153-282 (236 ref.)

Radioisotopes in the study of photosynthetic carbon pathways. Bassham JA. **Radioisotopes** 1984 Dec; 33(12):891-901 (31 ref.)

[Models of photosynthetic membranes] Rascio N. **Riv Biol** 1985 Spring;78(1):75-105 (Eng. Abstr.) **(Ita)**

[Kinetics and spectra of photo-induced changes in the absorption of pigment-protein complexes of photosystem 1 in a picosecond range] Borisov AIu, et al. **Mol Biol (Mosk)** 1985 May-Jun;19(3):636-42 (Eng. Abstr.) **(Rus)**

[Means of optimizing conversion of light energy in the primary stages of photosynthesis. I. The need for optimizing the structure of a photosynthetic unit and calculation of its efficiency] Fetisova ZG, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1651-6 (Eng. Abstr.) **(Rus)**

[Means of optimizing light energy conversion in the primary stages of photosynthesis. II. Optimization of the structure of an uniform photosynthetic unit lattice] Fetisova ZG, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1657-63 (Eng. Abstr.) **(Rus)**

[Kinetic model of the effect of dehydration on electron transfer from membrane-bound cytochrome c to the photosynthetic reaction center] Petrov EG, et al. **Mol Biol (Mosk)** 1985 May-Jun;19(3):643-53 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Evidence that the variable fluorescence in Chlorella is recombination luminescence. Mauzerall DC. **Biochim Biophys Acta** 1985 Aug 28;809(1):11-6

PHOTOTHERAPY

Skin blood flow in psoriasis during Goeckerman or beech tar therapy. Staberg B, et al. **Acta Derm Venereol (Stockh)** 1984;64(4):331-64

Uremic pruritus: skin divalent ion content and response to ultraviolet phototherapy. Blachley JD, et al. **Am J Kidney Dis** 1985 May;5(5):237-41

Morphologic studies of bladder tumors treated with hematoporphyrin derivative photochemotherapy. Klaunig JE, et al. **Am J Pathol** 1985 May;119(2):236-43

Antidepressant effects of light in seasonal affective disorder. Rosenthal NE, et al. **Am J Psychiatry** 1985 Feb; 142(2):163-70

Serum bilirubin kinetics in intermittent phototherapy of physiological jaundice. Lau SP, et al. **Arch Dis Child** 1984 Sep;59(9):892-4

Phototherapy for neonatal hyperbilirubinaemia [letter] Parida SM, et al. **Arch Dis Child** 1984 Sep;59(9):902-3

Effects of different ways of covering the eyes on behavior of jaundiced infants treated with phototherapy. Paludetto R, et al. **Biol Neonate** 1985;47(1):1-8

Tumor destruction and kinetics of tumor cell death in two experimental mouse tumors following photodynamic therapy. Henderson BW, et al. **Cancer Res** 1985 Feb; 45(2):572-6

Effect of preventive phenobarbital treatment on the duration of phototherapy in low birth weight icteric twins. Gouyon JB, et al. **Dev Pharmacol Ther** 1984;7 Suppl 1:190-3

Effects of phenobarbital on bilirubin metabolism and its response to phototherapy in the jaundiced Gunn rat. Cohen AN, et al. **Hepatology** 1985 Mar-Apr;5(2):310-6

Cockington nomogram as a guide to phototherapy in the management of neonatal hyperbilirubinemia: evaluation in Indian neonates. Mohapatra SS, et al. **Indian Pediatr** 1984 Mar;21(3):229-33

Randomized trial of prophylactic phototherapy in the infant with very low birth weight. Curtis-Cohen M, et al. **J Pediatr** 1985 Jul;107(1):121-4

Lactose malabsorption is not a cause of diarrhea during phototherapy. Bujanover Y, et al. **J Pediatr Gastroenterol Nutr** 1985 Apr;4(2):196-8

Phototherapy for neonatal jaundice: in vivo clearance of bilirubin photoproducts. Ennever JF, et al. **Pediatr Res** 1985 Feb;19(2):205-8

Urinary excretion of an isomer of bilirubin during phototherapy. Knox I, et al. **Pediatr Res** 1985 Feb; 19(2):198-201

Randomized, controlled trial of phototherapy for neonatal hyperbilirubinemia. Executive summary. **Pediatrics** 1985 Feb;75(2 Pt 2):385-6

National Institute of Child Health and Human Development randomized, controlled trials of phototherapy for neonatal hyperbilirubinemia. **Pediatrics** 1985 Feb;75(2 Pt 2):385-441

Efficacy of phototherapy in prevention and management of neonatal hyperbilirubinemia. Brown AK, et al. **Pediatrics** 1985 Feb;75(2 Pt 2):393-400

Randomized, controlled trial of phototherapy for neonatal hyperbilirubinemia. Development, design, and sample composition. Bryla DA. **Pediatrics** 1985 Feb;75(2 Pt 2):387-92

Stop home phototherapy [letter] DeLoache WR. **Pediatrics** 1985 May;75(5):987-8

Effect of phototherapy on albumin binding of bilirubin. Gartner LM, et al. **Pediatrics** 1985 Feb;75(2 Pt 2):401-6

Comparison of phototherapy results in small-for-gestational-age and appropriate-for-gestational-age infants weighing less than 2,000 grams. Hodgman JE, et al. **Pediatrics** 1985 Feb;75(2 Pt 2):413-6

Neonatal and infant mortality in relation to phototherapy. Lipsitz PJ, et al. **Pediatrics** 1985 Feb;75(2 Pt 2):422-6

'Like a shrivelled blood orange'--bilirubin, jaundice, and phototherapy. McDonagh AF, et al. **Pediatrics** 1985 Mar; 75(3):443-55 (66 ref.)

Beginning to see the light. Maisels MJ. **Pediatrics** 1985 Apr; 75(4):792-5

Phototherapy for hyperbilirubinemia of hemolytic disease of the newborn. Maurer HM, et al. **Pediatrics** 1985 Feb;75(2 Pt 2):407-12

Too long for too little. Oski FA. **Pediatrics** 1985 Jun; 75(6):1151-2

A believer in phototherapy [letter] Rosenbaum RJ. **Pediatrics** 1984 Oct;74(4):571

Metabolic aspects of phototherapy. Wu PY, et al. **Pediatrics** 1985 Feb;75(2 Pt 2):427-33

Configurational photoisomerization of bilirubin in vitro--II. A comparative study of phototherapy fluorescent lamps and lasers. Agati G, et al. **Photochem Photobiol** 1985 Apr; 41(4):381-92

Skin optics and phototherapy of jaundice. Pratesi R, et al. **Photochem Photobiol** 1984 Jul;40(1):77-83

Home phototherapy of solar urticaria: a case report. Diffey BL, et al. **Photodermatol** 1984 Jun;1(3):145-6

Treating phase typed chronobiologic sleep and mood disorders using appropriately timed bright artificial light. Lewy AJ, et al. **Psychopharmacol Bull** 1985;21(3):368-72

Threshold for initiation of phototherapy in infants with non-haemolytic hyperbilirubinaemia. Argent AC, et al. **S Afr Med J** 1985 Aug 3;68(3):153-5

Serum vitamin D metabolites in normal subjects after phototherapy [letter] Staberg B, et al. **Scand J Clin Lab Invest** 1984 Dec;44(8):769

Role of hypoxia in photodynamic therapy of tumors. Freitas I. **Tumori** 1985 Jun 30;71(3):251-9 (70 ref.)

[Phototherapy in neonatal hyperbilirubinemia and evaluation of T3, T4 and TSH] Bosco M, et al. **Minerva Pediatr** 1984 Jun 30;36(12):611-5 (Eng. Abstr.) **(Ita)**

[Effects of phototherapy on weight gain in neonates] Silvestro L, et al. **Minerva Pediatr** 1985 Mar 31; 37(5-6):217-22 (Eng. Abstr.) **(Ita)**

[Use of phototherapy in neonatal jaundice] Kałkowski MK. **Wiad Lek** 1984 Sep 15;37(18):1430-2 (Eng. Abstr.) **(Pol)**

[Study of the blood lipoprotein spectrum in patients with disseminated psoriasis in the course of selective phototherapy] Olisova MO, et al. **Vestn Dermatol Venerol** 1985 Mar;(3):10-3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Red cell membrane lipid peroxidation and hemolysis secondary to phototherapy. Ostrea EM Jr, et al. **Acta Paediatr Scand** 1985 May;74(3):378-81

Postnatal decline in pyridoxal phosphate and riboflavin. Accentuation by phototherapy. Rudolph N, et al. **Am J Dis Child** 1985 Aug;139(8):812-5

Neonatal hyperbilirubinemia. Ophthalmological evaluation of term infants treated with phototherapy. Khanna VK, et al. **Indian Pediatr** 1984 Sep;21(9):713-7

Bronze baby syndrome. Report of a case. Ashley JR, et al. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):325-8

Changes in visual functions of children exposed as infants to prolonged illumination. Abramov I, et al. **J Am Optom Assoc** 1985 Aug;56(8):614-9

INSTRUMENTATION

The distribution of radiant power in a phototherapy unit equipped with a metal halide lamp. Eggert P, et al. **Eur J Pediatr** 1985 Jan;143(3):224-5

Effect of heat in the phototherapy unit on the radiant flux. Chawareewong S, et al. **J Med Assoc Thai** 1984 Oct; 67(10):545-8

Ambient light and phototherapy conditions of eight neonatal care units: a summary report. Landry RJ, et al. **Pediatrics** 1985 Feb;75(2 Pt 2):434-6

Photodosimeter badge system. Scheidt PC, et al. **Pediatrics** 1985 Feb;75(2 Pt 2):437-9

[Spatial distribution of light intensity with a phototherapy halogen lamp] Wiese G, et al. **Monatsschr Kinderheilkd** 1985 Feb;133(2):102-5 (Eng. Abstr.) **(Ger)**

METHODS

Double versus single surface phototherapy in neonatal hyperbilirubinemia. Sharma SK, et al. **Indian Pediatr** 1985 Mar;22(3):235-9

Effect of spectral distribution on isomerization of bilirubin in vivo. Costarino AT Jr, et al. **J Pediatr** 1985 Jul; 107(1):125-8

American Academy of Pediatrics. Committee on Fetus and Newborn. Home phototherapy. **Pediatrics** 1985 Jul; 76(1):136-7

Bilirubin photoisomerization in premature neonates under low- and high-dose phototherapy. Costarino AT, et al. **Pediatrics** 1985 Mar;75(3):519-22

[Calculation of the effect of phototherapy with reference to different radiation variants. II. Prognostic evaluation of the effect of phototherapy by intermittent and continuous phototherapy] Berck A, et al. **Kinderarztl Prax** 1985 May; 53(5):229-34 (Eng. Abstr.) **(Ger)**

[Calculation of the effect of phototherapy with reference to different irradiation variants. I. Effect of therapy mode on the photoeffect] Jährig D, et al. **Kinderarztl Prax** 1985 Apr; 53(4):171-5 (Eng. Abstr.) **(Ger)**

[Water loss through the skin and rectal temperature under phototherapy with a doped halide radiating lamp] Stornowski C, et al. **Klin Padiatr** 1984 Nov-Dec; 196(6):375-7 (Eng. Abstr.) **(Ger)**

[Treatment of neonatal jaundice by efficient phototherapy] Wiese G. **Z Geburtshilfe Perinatol** 1985 Jan-Feb; 189(1):1-10 (Eng. Abstr.) **(Ger)**

[Immediate and remote results of treatment of patients with psoriasis by the method of selective phototherapy] Vladimirov VV, et al. **Vestn Dermatol Venerol** 1985 Feb; (2):34-6 (Eng. Abstr.) **(Rus)**

TRENDS

Current status of ophthalmic photovaporization therapy. L'Esperance FA Jr. **Trans New Orleans Acad Ophthalmol** 1985;:231-55

PHOTOTOXICITY see **PHOTOSENSITIVITY DISORDERS**

PHOTOTROPHIC BACTERIA

CLASSIFICATION

Heliothrix oregonensis, gen. nov., sp. nov., a phototrophic filamentous gliding bacterium containing bacteriochlorophyll a. Pierson BK, et al. **Arch Microbiol** 1985 Jul;142(2):164-7

METABOLISM

[Delayed bacteriochlorophyll luminescence and the primary stages of electron transport in photosynthetic reaction centers of purple bacteria] Borisov AIu, et al. **Mol Biol (Mosk)** 1984 Jul-Aug;18(4):869-91 (265 ref.) (Eng. Abstr.) **(Rus)**

[Kinetic model of the effect of dehydration on electron transfer from membrane-bound cytochrome c to the photosynthetic reaction center] Petrov EG, et al. **Mol Biol (Mosk)** 1985 May-Jun;19(3):643-53 (Eng. Abstr.) **(Rus)**

PHRENIC NERVE

Phrenic nerve stimulation (diaphragm pacing) in chronic singultus. Fodstad H, et al. **Neurochirurgia (Stuttg)** 1984 Jul;27(4):115-6

A battery-alarm system for phrenic nerve stimulators. Alstad B, et al. **Scand J Rehabil Med** 1984;16(3):137-8

ANATOMY & HISTOLOGY

The nerve loops crossing below the subclavian artery and their anatomical variations. Caliot P, et al. **Anat Clin** 1984; 6(3):209-13

Catecholamine innervation of cervical dendrite bundles: possible phrenic nucleus innervation. Bellinger DL, et al. **Brain Res Bull** 1984 Dec;13(6):701-7

Cells of origin of corticospinal projections to phrenic and thoracic respiratory motoneurones in the cat as shown by retrograde transport of HRP. Rikard-Bell GC, et al. **Brain Res Bull** 1985 Jan;14(1):39-47

Projections from the ventral respiratory group to phrenic and intercostal motoneurons in cat: an autoradiographic study. Feldman JL, et al. **J Neurosci** 1985 Aug; 5(8):1993-2000

Identification of phrenic afferents in the dorsal columns: a fluorescent double-labeling study in the cat. Larnicol N, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):49-53

[Contribution to the study of the origin of the phrenic nerve (nervus phrenicus). Apropos of 100 dissections of the cervical plexus] Caliot P, et al. **Bull Assoc Anat (Nancy)** 1983 Dec;67(199):383-8 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Cervical dorsal root ganglion cells with collaterals to both shoulder skin and the diaphragm. A fluorescent double labelling study in the rat. A model for referred pain? Laurberg S, et al. **Brain Res** 1985 Apr 1;331(1):160-3

Spatial distributions of phrenic and medial gastrocnemius motoneurons in the cat spinal cord. Berger AJ, et al. **Exp Neurol** 1984 Dec;86(3):559-75

Quantitative analysis of the dendrites of cat phrenic motoneurons stained intracellularly with horseradish peroxidase. Cameron WE, et al. **J Comp Neurol** 1985 Jan 1;231(1):91-101

Central determination of recruitment order: intracellular study of phrenic motoneurons. Monteau R, et al. **Neurosci Lett** 1985 May 23;56(3):341-6

DRUG EFFECTS

Hypoglossal and phrenic responses to cholinergic agents applied to ventral medullary surface. Haxhiu MA, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):R939-44

Responses of recurrent laryngeal, hypoglossal, and phrenic nerves to increasing depths of anesthesia with halothane or enflurane in vagotomized cats. Nishino T, et al. **Anesthesiology** 1985 Oct;63(4):404-9

Effects of centrally administered naloxone on phrenic nerve activity. Wilson BA, et al. **Brain Res** 1984 Dec 24; 324(2):366-8

Effects of almitrine on hypoglossal and phrenic electroneurograms. Weese-Mayer DE, et al. **J Appl Physiol** 1985 Jul;59(1):105-12

Effects of histamine inhalation and airway vibration on phrenic nerve activity in rabbits. Homma I, et al. **Neurosci Lett** 1984 Jul 27;48(2):93-6

GROWTH & DEVELOPMENT

An HRP study of the cat's spinal respiratory motoneurones during postnatal development. Rose D, et al. **Exp Brain Res** 1984;56(3):458-67

INJURIES

Persistent phrenic nerve paresis following interscalene brachial plexus block. Bashein G, et al. **Anesthesiology** 1985 Jul;63(1):102-4

Phrenic nerve injury complicating closed cardiovascular surgical procedures for congenital heart disease. Zhao HX, et al. **Ann Thorac Surg** 1985 May;39(5):445-9

Phrenic nerve paresis associated with the use of iced slush and the cooling jacket for topical hypothermia. Rousou JA, et al. **J Thorac Cardiovasc Surg** 1985 Jun;89(6):921-5

PHYSIOLOGY

Continuous positive airway pressure increases vagal and phrenic nerve activity in cats. Norsted T, et al. **Acta Anaesthesiol Scand** 1985 May;29(4):418-23

Response of respiratory motoneurons to release from vagal inhibition in the rabbit. Budzińska K, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(6):249-62

Mathematical description of the electrical activity of a single neuron. Herczyński R, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(3):121-39

Antagonism of the effects of midazolam on phrenic nerve activity in the dog by Ro 15-1788 and Ro 15-3505. Gordon G, et al. **Br J Anaesth** 1984 Oct;56(10):1161-5

Effects of increasing depth of anaesthesia on phrenic nerve and hypoglossal nerve activity during the swallowing reflex in cats. Nishino T, et al. **Br J Anaesth** 1985 Feb; 57(2):208-13

Projection of phrenic nerve afferents to the cat sensorimotor cortex. Davenport PW, et al. **Brain Res** 1985 Feb 25; 328(1):150-3

Projection of phrenic afferents to the external cuneate nucleus in the cat. Marlot D, et al. **Brain Res** 1985 Feb 18;327(1-2):328-30

Diaphragmatic contraction following phrenic nerve stimulation evaluated by cine-fluoroscopy. Wolf E, et al. **Electromyogr Clin Neurophysiol** 1984 Aug-Sep; 24(6):491-500

Differential effects on phrenic output of two dopamine agonists, apomorphine and bromocriptine. Nielsen AM, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):69-78

Bilateral phrenic stimulation: a simple technique to assess diaphragmatic fatigue in humans. Aubier M, et al. **J Appl Physiol** 1985 Jan;58(1):58-64

Phrenic nerve conduction times and twitch pressures of the human diaphragm. McKenzie DK, et al. **J Appl Physiol** 1985 May;58(5):1496-504

Diaphragmatic pressures: transvenous vs. direct phrenic nerve stimulation. Planas RF, et al. **J Appl Physiol** 1985 Jul;59(1):269-73

Altered breathing pattern elicited by stimulation of abdominal visceral afferents. Prabhakar NR, et al. **J Appl Physiol** 1985 Jun;58(6):1755-60

On the relation between expiratory duration and subsequent inspiratory duration. Zuperku EJ, et al. **J Appl Physiol** 1985 Feb;58(2):419-30

Interactions between rostral pontine and ventral medullary respiratory neurons. Segers LS, et al. **J Neurophysiol** 1985 Aug;54(2):318-34

Monosynaptic inhibition of phrenic motoneurons: a long descending projection from Bötzinger neurons. Merrill EG, et al. **J Neurosci** 1984 Sep;4(9):2350-3

Case report: electrophrenic respiration and discharge planning with a C1 quadriplegic. MacKechnie J, et al. **J Neurosurg Nurs** 1984 Dec;16(6):347-52

Dissociation between respiratory phase switching and phasic phrenic response on low-intensity stimulation of pneumotaxic complex and nearby structures. Villard MF, et al. **J Physiol (Paris)** 1984;79(1):11-6

Respiratory effects of high cervical cord cold blockade on efferent vagal and phrenic discharges in the rabbit. Webber CL Jr, et al. **Pflugers Arch** 1984 Sep;402(1):10-7

Assessment of human diaphragm strength and activation using phrenic nerve stimulation. Bellemare F, et al. **Respir Physiol** 1984 Dec;58(3):263-77

Responses of early and late onset phrenic motoneurons to lung inflation. Donnelly DF, et al. **Respir Physiol** 1985 Jul; 61(1):69-83

Respiratory effects of pontine, medullary and spinal cord midline sections in the rabbit. Janczewski WA, et al. **Respir Physiol** 1984 Sep;57(3):293-305

Phrenic afferent input to the lateral medullary reticular formation of the cat. Macron JM, et al. **Respir Physiol** 1985 Feb;59(2):155-67

Activation of visceral thin-fiber afferents increases respiratory output in cats. Waldrop TG, et al. **Respir Physiol** 1984 Nov;58(2):187-96

[Stimulation-detection electromyography in kinetic and postural abnormalities of the diaphragm] Delhez L. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):15-9 (Eng. Abstr.) **(Fre)**

[Possibilities for controlling respiration postoperatively by electrical stimulation of the phrenic nerves] Priĭmak AA, et al. **Anesteziol Reanimatol** 1985 Mar-Apr;(2):49-52 (Eng. Abstr.) **(Rus)**

[Long-term continuous electric stimulation of the phrenic nerve] Ul'kin SV. **Anesteziol Reanimatol** 1984 Nov-Dec; (6):28-32 (Eng. Abstr.) **(Rus)**

[Modulation of reflex discharges in the respiratory nerves of the cat upon stimulation of superior laryngeal afferents] D'iachenko IuE, et al. **Neirofiziologiia** 1984;16(4):553-7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Conditioning of the diaphragm with phrenic nerve stimulation after prolonged disuse. Nochomovitz ML, et al. **Am Rev Respir Dis** 1984 Oct;130(4):685-8

Postoperative phrenic nerve palsy in patients with open-heart surgery. Markand ON, et al. **Ann Thorac Surg** 1985 Jan; 39(1):68-73

Electrophysiologic evaluation of phrenic nerves in severe respiratory insufficiency requiring mechanical ventilation. Moorthy SS, et al. **Chest** 1985 Aug;88(2):211-4

Recurrent neuralgic amyotrophy with vagus and phrenic nerve involvement. Dinsmore WW, et al. **Clin Neurol Neurosurg** 1985;87(1):39-40

Phrenic nerve conduction time in Guillain-Barré syndrome. Gourie-Devi M, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):245-9

Comparison of phrenic motoneuron activity in eupnea and apneusis. St John WM, et al. **Respir Physiol** 1985 Jun; 60(3):347-55

Phrenic and diaphragm function after coronary artery bypass grafting. Estenne M, et al. **Thorax** 1985 Apr;40(4):293-9

ULTRASTRUCTURE

Recurrent inhibition of cat phrenic motoneurons. Lipski J, et al. **J Neurosci** 1985 Jun;5(6):1545-55

PHRENOLOGY

The psycograph: scientific character analyst. Senior JE. **Med Instrum** 1985 May-Jun;19(3):143-5

O-PHTHALALDEHYDE see under **ALDEHYDES**

PHTHALAMUDINE see **CHLORTHALIDONE**

PHTHALAZINES see under **PYRIDAZINES**

PHTHALIC ACIDS

Polyglycolic acid (Dexon) versus Mersilene in repair of inguinal hernia. Solhaug JH. **Acta Chir Scand** 1984; 150(5):385-7

Bis-(2-ethylhexyl) phthalate, an ubiquitous environmental contaminant. Griffiths WC, et al. **Ann Clin Lab Sci** 1985 Mar-Apr;15(2):140-51

Fractionation of alkali metal cations in cationization of phthalic acid. A fast atom bombardment study. Bursey MM, et al. **Biomed Mass Spectrom** 1984 Oct;11(10):522-8

Solid-solid reaction between sulfacetamide and phthalic anhydride. Weng HL, et al. **J Pharm Sci** 1984 Aug; 73(8):1059-63

[Artificial mesh as an aid in abdominal wall closure in postoperative peritonitis, postoperative abdominal wall dehiscence and reconstruction of the abdominal wall] Gross E, et al. **Zentralbl Chir** 1984;109(19):1238-50 (Eng. Abstr.) **(Ger)**

[Experimental basis for forming the postenucleation stump by using lavsan tissue] Shkromida MI, et al. **Oftalmol Zh** 1984;(7):425-7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Contact dermatitis from the epoxy resins tetraglycidyl-4,4'-methylene dianiline and o-diglycidyl phthalate in composite material. Burrows D, et al. **Contact Dermatitis** 1984 Aug;11(2):80-2

Teratogenicity of dimethoxyethyl phthalate and its metabolites methoxyethanol and methoxyacetic acid in the rat. Ritter EJ, et al. **Teratology** 1985 Aug;32(1):25-31

ANALYSIS

O-Methylation effect on the carbon-13 nuclear magnetic resonance signals of ortho-disubstituted phenols and its application to structure determination of new phthalides from Aspergillus silvaticus. Fujita M, et al. **Chem Pharm Bull (Tokyo)** 1984 Jul;32(7):2622-7

Components of Cnidium officinale Makino: occurrence of pregnenolone, coniferyl ferulate, and hydroxyphthalides. Kobayashi M, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep; 32(9):3770-3

Variations of phthalate ester concentrations in sediments from the Chester River, Maryland. Peterson JC, et al. **Int J Environ Anal Chem** 1984;18(4):237-52

[Gas chromatographic determination of di-2-ethyl-hexyl phthalate in farm soil] Leoni V, et al. **Nuovi Ann Ig Microbiol** 1984 Jan-Feb;35(1):71-8 (Eng. Abstr.) **(Ita)**

[Features of the gas-chromatographic determination of terephthalic acid and its dimethyl ester in air] Liashenko VI. **Gig Sanit** 1984 Jul;(7):48-9 **(Rus)**

BLOOD

High-performance liquid chromatographic procedure for the determination of di-(2-ethylhexyl)phthalate in human blood specimens. Problems of variable-extraction yield and the use of standard addition for calibration. Pollack GM, et al. **J Chromatogr** 1984 Nov 9;311(1):101-8

Determination of phthalic acid, mono-(2-ethylhexyl) phthalate and di-(2-ethylhexyl) phthalate in human plasma and in blood products. Shintani H. **J Chromatogr** 1985 Feb 8;337(2):279-90

Incorporation of plasticizer into red cells during storage. Rock G, et al. **Transfusion** 1984 Nov-Dec;24(6):493-8

[Transfer of phthalate esters from containers for blood and blood derivatives] Amodio R, et al. **Nuovi Ann Ig Microbiol** 1984 Mar-Apr;35(2):143-9 (Eng. Abstr.) **(Ita)**

[Chemical studies on compatibility to medical application III. Prevention of migration of DEHP from blood tubings] Tsuji K, et al. **Eisei Shikenjo Hokoku** 1984;(102):45-8 (Eng. Abstr.) **(Jpn)**

[Clinical aspects of the quality control of synthetic polymers used in hematology] Nowicki P, et al. **Polim Med** 1983; 13(3-4):125-42 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Interaction of smoking and atopy in producing specific IgE antibody against a hapten protein conjugate. Venables KM, et al. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):201-4

Occupational lung disease induced by reactive chemicals. Zeiss CR. **Clin Rev Allergy** 1985 May;3(2):217-26

Heterogeneity of specific-IgE responses in workers sensitized to acid anhydride compounds. Bernstein DI, et al. **J Allergy Clin Immunol** 1984 Dec;74(6):794-801

Detection of IgE-mediated respiratory sensitization in workers exposed to hexahydrophthalic anhydride. Moller DR, et al. **J Allergy Clin Immunol** 1985 Jun;75(6):663-72

Hapten-modified basophils: a model of human immediate hypersensitivity that can be elicited by IgG antibody. Akiyama K, et al. **J Immunol** 1984 Dec;133(6):3286-90

Cross-reactive idiotype family observed in the phthalate-specific B cell repertoire of adult BALB/c mice: diversity of IgM compared with IgG monoclonal anti-phthalate antibodies. Luo SC, et al. **J Immunol** 1985 Aug;135(2):1252-8

Four-year evaluation of workers exposed to trimellitic anhydride. A brief report. McGrath KG, et al. **J Occup Med** 1984 Sep;26(9):671-5

ISOLATION & PURIFICATION

Phthalates and organophosphorus compounds as cholinesterase inhibitors in fractions of industrial hexane impurities. Vicedo JL, et al. **Arch Toxicol** 1985 Apr; 57(1):46-52

METABOLISM

Kinetics of di-(2-ethylhexyl) phthalate in immature and mature rats and effect on testis. Sjöberg P, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Jan;56(1):30-7

Effects of microbial community interactions on transformation rates of xenobiotic chemicals. Lewis DL, et al. **Appl Environ Microbiol** 1984 Sep;48(3):561-5

Phthalate metabolism in Pseudomonas fluorescens PHK: purification and properties of 4,5-dihydroxyphthalate decarboxylase. Pujar BG, et al. **Appl Environ Microbiol** 1985 Feb;49(2):374-6

In vitro metabolism of mono-2-ethylhexyl phthalate by microsomal enzymes. Similarity to omega- and (omega-1) oxidation of fatty acids. Albro PW, et al. **Drug Metab Dispos** 1984 Nov-Dec;12(6):742-8

Biochemical studies on phthalic esters. IV. Metabolism of diheptyl phthalate in rats. Sato M, et al. **Drug Metab Dispos** 1984 Jul-Aug;12(4):517-22

Characterization of the multiple transport routes for methotrexate in L1210 cells using phthalate as a model anion substrate. Henderson GB, et al. **J Membr Biol** 1985; 85(3):263-8

Developmental changes in the conversion rates of di(2-ethylhexyl) phthalate to monoethylhexyl phthalate in rats. Gollamudi R, et al. **J Toxicol Environ Health** 1985; 15(3-4):459-65

The metabolism of di(2-ethylhexyl) phthalate (DEHP) and mono-(2-ethylhexyl) phthalate (MEHP) in rats: in vivo and in vitro dose and time dependency of metabolism. Lhuguenot JC, et al. **Toxicol Appl Pharmacol** 1985 Aug; 80(1):11-22

Identification of the proximate peroxisome proliferator(s) derived from di(2-ethylhexyl) phthalate. Mitchell AM, et al. **Toxicol Appl Pharmacol** 1985 Aug;80(1):23-32

Circulating concentrations of di(2-ethylhexyl) phthalate and its de-esterified phthalic acid products following plasticizer exposure in patients receiving hemodialysis. Pollack GM, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):257-67

Effects of route of administration and repetitive dosing on the disposition kinetics of di(2-ethylhexyl) phthalate and its mono-de-esterified metabolite in rats. Pollack GM, et al. **Toxicol Appl Pharmacol** 1985 Jun 30;79(2):246-56

[Dimethylphthalate metabolism in epidermal application of the preparation] Surina TIa, et al. **Med Parazitol (Mosk)** 1984 Jul-Aug;(4):67-71 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Purification and properties of gamma-oxalomesaconate hydratase from Pseudomonas ochraceae grown with phthalate. Maruyama K. **Biochem Biophys Res Commun** 1985 Apr 16;128(1):271-7

Specific changes in the protein composition of rat liver in response to the peroxisome proliferators ciprofibrate, Wy-14,643 and di-(2-ethylhexyl)phthalate. Watanabe T, et al. **Biochem J** 1985 May 1;227(3):767-75

Characterization of erythrocyte quality during the refrigerated storage of whole blood containing di-(2-ethylhexyl) phthalate. Estep TN, et al. **Blood** 1984 Dec;64(6):1270-6

Biological activity of 4-hydroxyisophthalic acid derivatives. II. Anilides with antimicrobial activity. Piscopo E, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2273-9

Biological activity of 4-hydroxyisophthalic acid derivatives. III. Variously substituted anilides with antimicrobial activity. Piscopo E, et al. **Boll Soc Ital Biol Sper** 1985 Feb 28;61(2):199-204

Biological activity of 4-hydroxyisophthalic acid derivatives. Hydrazones with antimicrobial activity. Piscopo E, et al. **Boll Soc Ital Biol Sper** 1984 Jun 30;60(6):1169-75

New type inducers of differentiation of human HL-60 promyelocytic leukemia cells. Terephthalic anilides. Kagechika H, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct; 32(10):4209-12

Concentration-dependent inhibition of development of GGT positive foci in rat liver by the environmental contaminant di(2-ethylhexyl) phthalate. DeAngelo AB, et al. **Environ Health Perspect** 1985 May;60:381-5

The biological activities of phthalate esters on rat gastric muscle. Tavares IA, et al. **Eur J Pharmacol** 1984 Nov 13; 106(2):449-52

Plasma protein changes in rats treated with hypolipidaemic drugs and with phthalate esters. Hinton RH, et al. **Hum Toxicol** 1985 May;4(3):261-71

Phthalic acid esters inhibit arachidonate metabolism by rat peritoneal leucocytes. Tavares IA, et al. **J Pharm Pharmacol** 1985 Jan;37(1):67-8

The effect of peroxisome proliferators on the metabolism and spectral interaction of endogenous substrates of cytochrome P-450 in rat hepatic microsomes. Lake BG, et al. **Life Sci** 1984 Dec 24;35(26):2621-6

Comparison of the short-term effects of di(2-ethylhexyl) phthalate, di(n-hexyl) phthalate, and di(n-octyl) phthalate in rats. Mann AH, et al. **Toxicol Appl Pharmacol** 1985 Jan; 77(1):116-32

The renal handling of terephthalic acid. Tremaine LM, et al. **Toxicol Appl Pharmacol** 1985 Jan;77(1):165-74

Effect of phthalate esters on energy coupling and succinate oxidation in rat liver mitochondria. Melnick RL, et al. **Toxicology** 1985 Jan;34(1):13-27

Stabilization of red blood cells by the plasticizer, diethylhexylphthalate. Horowitz B, et al. **Vox Sang** 1985; 48(3):150-5

Platelet storage in glow discharge-treated polyvinylchloride bags: effects of a plasticizer on platelet hypotonic shock response. Ishikawa Y, et al. **Vox Sang** 1984;47(5):330-4

THERAPEUTIC USE

Antitumor phthalanilides active in acute and chronic Trypanosoma brucei brucei murine infections. Nathan HC, et al. **Am J Trop Med Hyg** 1984 Sep;33(5):845-50

TOXICITY

Effect of plasticizers on the polyprene distribution in the liver. Edlund C, et al. **Acta Chem Scand [B]** 1985; 39(4):315-7

Effect of prolonged phthalate ester administration on rat liver. Ganning AE, et al. **Acta Chem Scand [B]** 1985; 39(4):319-22

Assessment of the teratogenicity of di(2-ethylhexyl)phthalate and mono(2-ethylhexyl)phthalate in mice. Shiota K, et al. **Arch Toxicol** 1985 Feb;56(4):263-6

Di(2-ethylhexyl)phthalate but not phenobarbital promotes N-nitrosodiethylamine-initiated hepatocellular proliferative lesions after short-term exposure in male B6C3F1 mice. Ward JM, et al. **Cancer Lett** 1984 Aug; 24(1):49-55

Phosphorylation of specific rat plasma membrane proteins during promotion of gamma-glutamyl transpeptidase-positive hepatic foci and inhibition by di(2-ethylhexyl)phthalate. DeAngelo AB, et al. **Cancer Res** 1985 Jun;45(6):2654-60

Lack of genotoxic activity of di(2-ethylhexyl)phthalate (DEHP) in rat and human hepatocytes. Butterworth BE, et al. **Carcinogenesis** 1984 Oct;5(10):1329-35

Tumor-promoting effects of di(2-ethylhexyl)phthalate in JB6 mouse epidermal cells and mouse skin. Diwan BA, et al. **Carcinogenesis** 1985 Mar;6(3):343-7

Lack of hepatic promotional activity by the peroxisomal proliferating hepatocarcinogen di(2-ethylhexyl)phthalate. Popp JA, et al. **Carcinogenesis** 1985 Jan;6(1):141-4

Biological effects of di-(2-ethylhexyl) phthalate and other phthalic acid esters. Thomas JA, et al. **CRC Crit Rev Toxicol** 1984;13(4):283-317 (235 ref.)

Hepatic mixed function oxidases and cytochrome P-450 contents in rat pups exposed to di-(2-ethylhexyl)phthalate through mother's milk. Parmar D, et al. **Drug Metab Dispos** 1985 May-Jun;13(3):368-70

Mutagenicity testing of di(2-ethylhexyl)phthalate and related chemicals in Salmonella. Zeiger E, et al. **Environ Mutagen** 1985;7(2):213-32

Reversibility of testicular atrophy induced by Di(2-ethylhexyl) phthalate in rats. Oishi S. **Environ Res** 1985 Feb;36(1):160-9

A reply to 'Problems involved with developing a suitable model for evaluating exposure to bis(2-ethylhexyl) phthalate for medical devices' [letter] Shen DD, et al. **J Pharm Sci** 1984 Sep;73(9):1334

Toxicity of a phthalate ester in the diet of a penaied shrimp. Hobson JF, et al. **J Toxicol Environ Health** 1984; 13(4-6):959-68

Developmental toxicity of nine selected compounds following prenatal exposure in the mouse: naphthalene, p-nitrophenol, sodium selenite, dimethyl phthalate, ethylenethiourea, and four glycol ether derivatives. Plasterer MR, et al. **J Toxicol Environ Health** 1985; 15(1):25-38

Effects of di-2-ethylhexyl phthalate on lipid composition of serum and testis in rats. Oishi S. **Toxicol Lett** 1984 Oct; 23(1):67-72

Adverse effects of butyl benzyl phthalate on the reproductive and hematopoietic systems of male rats. Agarwal DK, et al. **Toxicology** 1985 Jun 14;35(3):189-206

Methods for measuring mutagenicity in urine of rats dosed with [14C]di(2-ethylhexyl)phthalate. Barber ED, et al. **Toxicology** 1985 Mar 15;34(3):231-45

URINE

Excretion and metabolism of di(2-ethylhexyl)phthalate in man. Schmid P, et al. **Xenobiotica** 1985 Mar;15(3):251-6

PHTHALIC ANHYDRIDES see under **PHTHALIC ACIDS**

PHTHALIMIDES

ANALYSIS

Determination of captan, folpet, and captafol in fruits and vegetables, using two multiresidue methods. Gilvydis DM, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):909-12

CHEMICAL SYNTHESIS

Hypolipidemic activity of phthalimide derivatives V: Reduced and hydrolytic products of simple cyclic imides. Chapman JM Jr, et al. **J Pharm Sci** 1984 Oct;73(10):1482-4

PHARMACODYNAMICS

Effects of AQA39 on contractile performance of isolated mammalian ventricular myocardium. Sys SU, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):33-9

Actions of two new bradycardic agents, AQ-AH 208 and UL-FS 49, on ischemic myocardial perfusion and function. Dämmgen JW, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb; 7(1):71-9

Decrease in bradycardic effect of AQ-A 39 and alinidine in guinea-pig sinoatrial node depolarized by high external K+-concentration. Lillie C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):210-3

PHTHALYLSULFATHIAZOLE see under **SULFATHIAZOLES**

PHTHIRAPTERA see **LICE**

PHYCOCYANIN see under **PIGMENTS**

PHYCOERYTHRIN see under **PIGMENTS**

PHYCOMYCES see under **PHYCOMYCETES**

PHYCOMYCETES

Action spectra for phototropic balance in Phycomyces blakesleeanus: dependence on reference wavelength and intensity range. Galland P, et al. **Photochem Photobiol** 1985 Mar;41(3):323-9

Granulomatous reaction induced by lipids isolated from Paracoccidioides brasiliensis. Silva CL. **Trans R Soc Trop Med Hyg** 1985;79(1):70-3

[First case of subcutaneous phycomycosis seen in Gabon and treated successfully with ketoconazole] Piens MA, et al. **Bull Soc Pathol Exot Filiales** 1985;78(2):170-8 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Studies on the cell surface of zoospores and cysts of the fungus Phytophthora cinnamomi: The influence of fixation on patterns of lectin binding. Hardham AR. **J Histochem Cytochem** 1985 Feb;33(2):110-8

Effect of temperature on the mycelium to yeast transformation of Paracoccidioides brasiliensis. Patiño MM, et al. **Sabouraudia** 1984;22(6):509-11

DRUG EFFECTS

Estrogens inhibit mycelium-to-yeast transformation in the fungus Paracoccidioides brasiliensis: implications for resistance of females to paracoccidioidomycosis. Restrepo A, et al. **Infect Immun** 1984 Nov;46(2):346-53

Effects of salinity, pH, organic solutes, anaerobic conditions, and the presence of other microbes on production and survival of Lagenidium giganteum (Oomycetes: Lagenidiales) zoospores. Lord JC, et al. **J Invertebr Pathol** 1985 May;45(3):331-8

Toxic effect of products of oxidative metabolism on the yeast form of Paracoccidioides brasiliensis. McEwen JG, et al. **J Med Microbiol** 1984 Dec;18(3):423-8

In vitro susceptibility of Paracoccidioides brasiliensis yeast form to antifungal agents. Restrepo A, et al. **Rev Inst Med Trop Sao Paulo** 1984 Nov-Dec;26(6):322-8

Chronic murine paracoccidioidomycosis: effect of ketoconazole on clearance of Paracoccidioides brasiliensis and immune response. Hoyos GL, et al. **Sabouraudia** 1984; 22(5):419-26

[Effect of ozone on the growth and development of lower fungi (Phytophora infestans, Aspergillus niger)] Gotlib VIa, et al. **Dokl Akad Nauk SSSR** 1985 Mar-Apr;281(1):169-71 **(Rus)**

ENZYMOLOGY

Production and regulation of cellulase by two strains of the rumen anaerobic fungus Neocallimastix frontalis. Mountfort DO, et al. **Appl Environ Microbiol** 1985 May; 49(5):1314-22

Glycosidases of the rumen anaerobic fungus Neocallimastix frontalis grown on cellulosic substrates. Pearce PD, et al. **Appl Environ Microbiol** 1985 May;49(5):1265-9

Histochemical localization of succinate dehydrogenase in the mitochondria of Paracoccidioides brasiliensis. Campo-Aasen I. **Sabouraudia** 1985 Apr;23(2):101-5

GENETICS

Electrophoretic analysis of proteins from night-blind mutants of Phycomyces. Pollock JA, et al. **Biochem Genet** 1985 Jun;23(5-6):379-90

Modified action spectra of photogeotropic equilibrium in Phycomyces blakesleeanus mutants with defects in genes madA, madB, madC, and madH. Galland P, et al. **Photochem Photobiol** 1985 Mar;41(3):331-5

GROWTH & DEVELOPMENT

Growing hyphae of Achlya bisexualis generate a longitudinal pH gradient in the surrounding medium. Gow NA, et al. **J Gen Microbiol** 1984 Nov;130 (Pt 11):2967-74

Growth characteristics of the yeast phase of Paracoccidioides brasiliensis in a chemically defined medium. McGowan KL, et al. **J Gen Microbiol** 1984 Nov;130 (Pt 11):2797-801

The gravireceptor of Phycomyces. Its development following gravity exposure. Dennison DS, et al. **J Gen Physiol** 1984 Dec;84(6):845-59

Phycomyces: detailed analysis of the anemogeotropic response. Gyure DC, et al. **J Gen Physiol** 1984 Nov; 84(5):727-38

Host range studies with the fungus Leptolegnia, a parasite of mosquito larvae (Diptera: Culicidae). McInnis T Jr, et al. **J Med Entomol** 1985 Mar 22;22(2):226-7

Prostaglandins or prostaglandin like substances are implicated in normal growth and development in oomycetes. Herman RP, et al. **Prostaglandins** 1985 May;29(5):819-30

Morphogenesis of the mycelium-to-yeast transformation in Paracoccidioides brasiliensis. Salazar ME, et al. **Sabouraudia** 1985 Feb;23(1):7-11

IMMUNOLOGY

Arachidonic acid-related elicitors of the hypersensitive response in potato and enhancement of their activities by glucans from Phytophthora infestans (Mont.) deBary. Preisig CL, et al. **Arch Biochem Biophys** 1985 Jan; 236(1):379-89

Preparation and use of cytoplasmic antigens for the serodiagnosis of paracoccidioidomycosis. McGowan KL, et al. **J Clin Microbiol** 1985 Jul;22(1):39-43

Serology of paracoccidioidomycosis. I. Evaluation of the indirect immunofluorescent test. Mistreta T, et al. **Mycopathologia** 1985 Jan;89(1):13-7

Antigenemia in paracoccidioidomycosis. Probable demonstration of circulating antigen by counterimmunoelectrophoresis test. Preliminary report. Rodrigues MC, et al. **Rev Inst Med Trop Sao Paulo** 1984 Sep-Oct;26(5):285-7

Skin and pulmonary models using coated bentonite particles for the study of the inflammation evoked by Paracoccidioides brasiliensis antigens in previously immunized mice. Defaveri J, et al. **Sabouraudia** 1984; 22(6):477-86

A yeast-derived antigen from Paracoccidioides brasiliensis useful for serologic testing. Restrepo A, et al. **Sabouraudia** 1985 Feb;23(1):23-9

ISOLATION & PURIFICATION

Indigenous isolation of F-17--an oomycetous fungus pathogenic to mosquito larvae. Galagali JS, et al. **Indian J Med Res** 1984 Jul;80:95-102

[Initial isolation of Paracoccidioides brasiliensis in Panama] de Martín MC, et al. **Rev Med Panama** 1985 May; 10(2):98-102 (Eng. Abstr.) **(Spa)**

METABOLISM

Phosphorylation of ribosomal protein S6 in the aquatic fungus Blastocladiella emersonii. Bonato MC, et al. **Eur J Biochem** 1984 Nov 2;144(3):597-606

Glycerol formation after the breaking of dormancy of Phycomyces blakesleeanus spores. Role of an interconvertible glycerol-3-phosphatase. van Schaftingen E, et al. **Eur J Biochem** 1985 Apr 15;148(2):399-404

Comparison of the cell walls of Paracoccidioides loboi and Paracoccidioides brasiliensis by using polysaccharide-binding dyes. Mendes E, et al. **Int J Tissue React** 1984;6(3):229-31

Analysis of the steroid receptor of Achlya ambisexualis. Riehl RM, et al. **J Biol Chem** 1984 Dec 25;259(24):15324-30

Studies on the cell surface of zoospores and cysts of the fungus Phytophthora cinnamomi: nature of the surface saccharides as determined by quantitative lectin binding studies. Bacic A, et al. **J Histochem Cytochem** 1985 May; 33(5):384-8

Nutritional studies on Paracoccidioides brasiliensis: the role of organic sulfur in dimorphism. Paris S, et al. **Sabouraudia** 1985 Apr;23(2):85-92

PHYSIOLOGY

Calcium efflux associated with encystment of Phytophthora palmivora zoospores. Irving HR, et al. **Cell Calcium** 1984 Oct;5(5):487-500

Evidence that Blastocladiella emersonii zoospore maintenance factor is a sulfhydryl group-containing cyclic ribotide. Gottschalk WK, et al. **J Biol Chem** 1985 Jun 10; 260(11):6592-9

Purification of a naturally produced, low molecular weight organic factor that reversibly blocks encystment of Blastocladiella emersonii zoospores. Gottschalk WK, et al. **J Biol Chem** 1985 Jun 10;260(11):6588-91

Wavelength dependence of dark adaptation in Phycomyces phototropism. Galland P, et al. **J Gen Physiol** 1984 Nov; 84(5):739-51

Observations of in vitro gametangial copulation and oosporogenesis in Lagenidium giganteum. Brey PT. **J Invertebr Pathol** 1985 May;45(3):276-81

Changes in chromatin and the phosphorylation of nuclear proteins during heat shock of Achlya ambisexualis. Pekkala D, et al. **Mol Cell Biol** 1984 Jul;4(7):1198-205

PHYLOGENY

Functional morphology of the asterionic region in extant hominoids and fossil hominids. Kimbel WH, et al. **Am J Phys Anthropol** 1985 Jan;66(1):31-54

The skeleton of early Eocene Cantius, oldest lemuriform primate. Rose KD, et al. **Am J Phys Anthropol** 1985 Jan; 66(1):73-89

Chemical reception mechanisms at a low level of phylogeny. Influence of polypeptide hormones and non-hormone polypeptides on the growth of Tetrahymena. Csaba G, et al. **Biosystems** 1985;17(3):227-31

Phylogenetically more conservative epitopes among monoclonal antibody-defined antigenic sites of human transferrin are involved in receptor binding. Bártek J, et al. **Br J Haematol** 1985 Mar;59(3):435-41

Brain traits through phylogeny: evolution of neural characters. Johnson JI, et al. **Brain Behav Evol** 1984; 24(4):169-76

The human hand in phylogenetic perspective. Landsmeer JM. **Bull Hosp Jt Dis Orthop Inst** 1984 Fall;44(2):276-87

Basal metabolic rates in primates--the possible role of phylogenetic and ecological factors. Müller EF. **Comp Biochem Physiol** [A] 1985;81(4):707-11

Ribosomal RNA structure in the diploid and phylogenetically polyploid amphibian species Hyla and Odontophrynus. Leipoldt M, et al. **Comp Biochem Physiol [B]** 1984; 79(2):181-5

TSCORE: a T-score profile pattern analysis program. Ayiomamitis A, et al. **Comput Programs Biomed** 1985; 19(2-3):209-16

Chromosomal phylogeny of Lagothrix, Brachyteles, and Cacajao. Viegas Péquignot E, et al. **Cytogenet Cell Genet** 1985;39(2):99-104

Phylogenetic diversification of immunoglobulin VH genes. Litman GW, et al. **Dev Comp Immunol** 1984 Summer; 8(3):499-514

A ribosomal protein that is immunologically conserved in archaebacteria, eubacteria and eukaryotes. Schmid G, et al. **FEBS Lett** 1984 Nov 19;177(2):189-94

Phylogeny, neoteny and growth of the cranial base in hominoids. Dean MC, et al. **Folia Primatol (Basel)** 1984; 43(2-3):157-80

Functional comparative histology. 1. Communication: comparative and functional aspects of histology. Kaiser HE. **Gegenbaurs Morphol Jahrb** 1985;131(2):221-40

The present state in the phylogeny and ontogeny of hormone receptors. Csaba G. **Horm Metab Res** 1984 Jul;16(7):329-35 (52 ref.)

DNA adenine methylation of GATC sequences appeared recently in the Escherichia coli lineage. Barbeyron T, et al. **J Bacteriol** 1984 Nov;160(2):586-90

Monoclonal antibodies as probes for the complexity, phylogeny, and chromatin distribution of high mobility group chromosomal proteins 1 and 2. Vanderbilt JN, et al. **J Biol Chem** 1985 Aug 5;260(16):9336-45

A phylogenetic study of the structural and functional characteristics of corticosteroid binding globulin in primates. Robinson PA, et al. **J Endocrinol** 1985 Feb; 104(2):251-7

The phylogenetic position of Streptococcus and Enterococcus. Ludwig W, et al. **J Gen Microbiol** 1985 Mar; 131 (Pt 3):543-51

Phylogeny of lymphocyte heterogeneity: the cellular requirements for in vitro antibody responses of channel catfish leukocytes. Miller NW, et al. **J Immunol** 1985 May; 134(5):2884-8

Phylogeny of lymphocyte heterogeneity: the cellular requirements for in vitro mitogenic responses of channel catfish leukocytes. Sizemore RC, et al. **J Immunol** 1984 Dec;133(6):2920-4

Common tree shrews and primates share leukocyte membrane antigens. Palley LS, et al. **J Med Primatol** 1984;13(2):67-71

Quantitation of base substitutions in eukaryotic 5S rRNA: selection for the maintenance of RNA secondary structure. Curtiss WC, et al. **J Mol Evol** 1984;20(3-4):351-61

Aligning amino acid sequences: comparison of commonly used methods. Feng DF, et al. **J Mol Evol** 1984-85; 21(2):112-25

Pattern of nucleotide substitution and the extent of purifying selection in retroviruses. Graur D. **J Mol Evol** 1984-85; 21(3):221-31

Evolution of the human sarcomeric-actin genes: evidence for units of selection within the 3' untranslated regions of the mRNAs. Gunning P, et al. **J Mol Evol** 1984; 20(3-4):202-14

Evolving sea urchin histone genes--nucleotide polymorphisms in the H4 gene and spacers of Strongylocentrotus purpuratus. Yager LN, et al. **J Mol Evol** 1984;20(3-4):215-26

Neuronal correlates of corticalization in mammals: a theory. Hofman MA. **J Theor Biol** 1985 Jan 7;112(1):77-95

A molecular solution to the riddle of the giant panda's phylogeny. O'Brien SJ, et al. **Nature** 1985 Sep 12-18; 317(6033):140-4

Mys, a family of mammalian transposable elements isolated by phylogenetic screening. Wichman HA, et al. **Nature** 1985 Sep 5-11;317(6032):77-81

Humans, apes and monkeys: the changing neuropsychological viewpoint. Ettlinger G. **Neuropsychologia** 1984;22(6):685-96

Animal sleep: a review of sleep duration across phylogeny. Campbell SS, et al. **Neurosci Biobehav Rev** 1984 Fall; 8(3):269-300

Osteometrical studies on the phylogenetic relationships of Japanese native fowls. Nishida T, et al. **Nippon Juigaku Zasshi** 1985 Feb;47(1):25-37

Morphological aspects of placental ontogeny and phylogeny. Pijnenborg R, et al. **Placenta** 1985 Mar-Apr;6(2):155-62

The molecular clock may be an episodic clock. Gillespie JH. **Proc Natl Acad Sci USA** 1984 Dec;81(24):8009-13

Heterochronic mutants of the nematode Caenorhabditis elegans. Ambros V, et al. **Science** 1984 Oct 26; 226(4673):409-16

DNA reveals surprises in human family tree [news] Lewin R. **Science** 1984 Dec 7;226(4679):1179-82

Phylogenetic determinants of radial organization in the cerebral cortex. Goffinet AM. **Z Mikrosk Anat Forsch** 1984;98(6):909-25 (29 ref.)

[Chromosomal phylogeny of 7 species of Sciurinae] Petit D, et al. **Ann Genet (Paris)** 1985;28(1):13-8 (Eng. Abstr.) **(Fre)**

[Numerical cladistics of the phylogeny of the genus Leishmania Ross, 1903 (Kinetoplastida-Trypanosomatidae). Use of enzyme characteristics] Lanotte G, et al. **C R Acad Sci [III]** 1984; 299(19):769-72 (Eng. Abstr.) **(Fre)**

[Proteinase, glycosidase and phosphatase cytochemistry in the small intestine and liver: phylogeny and species differencies] Gossrau R. **Acta Histochem [Suppl] (Jena)** 1985;31:63-72 **(Ger)**

[Phylogenetic aspects of the Jacobson's organ and nasopalatine duct topography in insectivores, primates, Tupaia and Didelphis] Wöhrmann-Repenning A. **Anat Anz** 1984;157(2):137-49 (Eng. Abstr.) **(Ger)**

[Teleonomy and teleology in phylogenesis] Preuss F. **Anat Histol Embryol** 1985 Jun;14(2):158-61 (Eng. Abstr.) **(Ger)**

[Phylogenetic consideration on the possible mechanism of sleep disorders in breathing] Honda Y. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Mar;23(3):322-3 (Eng. Abstr.) **(Jpn)**

PHYSALAEMIN see under **KININS**

PHYSALOPTERA see under **SPIRUROIDEA**

PHYSARUM

ANALYSIS

A method for isolation of cytoplasmic RNA from a slime mold, Physarum polycephalum. Wiśniewski J, et al. **Anal Biochem** 1985 Jul;148(1):245-8

Physical studies by NMR and circular dichroism determining three structurally different domains in Physarum polycephalum histone H1. Cary PD, et al. **Eur J Biochem** 1985 Sep 16;151(3):579-89

A plasmodial alpha-tubulin cDNA from Physarum polycephalum. Nucleotide sequence and comparative analysis. Krämmer G, et al. **J Mol Biol** 1985 Jun 25; 183(4):633-8

[Myosins from lower eukaryotes] Kohama K, et al. **Tanpakushitsu Kakusan Koso** 1984 Sep;29(9):723-34 (42 ref.) **(Jpn)**

CYTOLOGY

Cell cycle-dependent variations in RNA polymerase activity in the nuclear and cytoplasmic fractions of Physarum polycephalum. Sawada F. **Cell Struct Funct** 1985 Mar; 10(1):55-62

Newly-initiated DNA isolated from Physarum in early S phase consists of nascent-nascent duplexes. Aelen JM, et al. **Exp Cell Res** 1984 Oct;154(2):394-401

Phosphorylation of histone H1 through the cell cycle of Physarum polycephalum. 24 sites of phosphorylation at metaphase. Mueller RD, et al. **J Biol Chem** 1985 Apr 25; 260(8):5081-6

Identification of ubiquitinated histones 2A and 2B in Physarum polycephalum. Disappearance of these proteins at metaphase and reappearance at anaphase. Mueller RD, et al. **J Biol Chem** 1985 Apr 25;260(8):5147-53

[Study of the effect of different concentrations of a detergent on the chromatin structure of Physarum polycephalum during the mitotic cycle] Pavlov SB, et al. **Mol Biol (Mosk)** 1984 Nov-Dec;18(6):1461-5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Cell-cycle-specific activity of cyclic nucleotide phosphodiesterase in Physarum polycephalum. Kupetz IS, et al. **Cell Tissue Kinet** 1985 Mar;18(2):159-68

Assays for regulatory properties of polyamine-dependent protein kinase. Sekar V, et al. **Methods Enzymol** 1984; 107:154-63

GENETICS

Lack of nucleosomal structure in a DNase-I-solubilized transcriptionally active chromatin fraction of Physarum polycephalum. Czupryn M, et al. **Eur J Biochem** 1985 Mar 15;147(3):575-80

Complementation of npf mutations in diploid amoebae of Physarum polycephalum: the basis for a general method of complementation analysis at the amoebal stage. Anderson RW, et al. **Genet Res** 1985 Feb;45(1):21-35

Genetic analysis of resistance to benzimidazoles in Physarum: differential expression of beta-tubulin genes. Burland TG, et al. **Genetics** 1984 Sep;108(1):123-41

Genetics of the tubulin gene families of Physarum. Schedl T, et al. **Genetics** 1984 Sep;108(1):143-64

Structural organization of a hypermethylated nuclear DNA component in Physarum polycephalum. Peoples OP, et al. **J Gen Microbiol** 1985 May;131 (Pt 5):1157-65

The linear extrachromosomal DNA of Physarum polycephalum replicates and is maintained under non-selective conditions in two different lower eukaryotes. Künzler P. **Nucleic Acids Res** 1985 Mar 25;13(6):1855-69

Cloning of Physarum actin sequences in an exonuclease-deficient bacterial host. Nader WF, et al. **Proc Natl Acad Sci USA** 1985 May;82(9):2698-702

Invariant temporal order of replication of the four actin gene loci during the naturally synchronous mitotic cycles of Physarum polycephalum. Pierron G, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(20):6393-7

GROWTH & DEVELOPMENT

Distribution and dynamics of fluorochromed actin in living stages of Physarum polycephalum. Kukulies J, et al. **Eur J Cell Biol** 1984 Nov;35(2):235-45

Recurrent senescence in axenic cultures of Physarum polycephalum. Hu FS, et al. **J Gen Microbiol** 1985 Apr; 131 (Pt 4):811-5

IMMUNOLOGY

Immunological analysis of histone H2A from the slime mold Physarum polycephalum. Lipińska A, et al. **Acta Biochim Pol** 1985;32(2):111-7

Use of monoclonal antibodies to analyse the expression of a multi-tubulin family. Birkett CR, et al. **FEBS Lett** 1985 Aug 5;187(2):211-8

METABOLISM

Alternative pathway of respiration in Physarum polycephalum plasmodia. Baranowski Z. **Cell Biol Int Rep** 1985 Jan;9(1):85-90

Phase-dependent polymerization and depolymerization of actin in Physarum polycephalum nuclei. Hashizume H, et al. **Cell Biol Int Rep** 1984 Sep;8(9):767-72

Multiple forms of actin in Physarum polycephalum. Pahlic M. **Eur J Cell Biol** 1985 Mar;36(2):169-75

An immunological approach to enrich a mitotic stimulator and to reveal G2-phase-specific proteins in Physarum polycephalum. Gröbner P, et al. **J Cell Biol** 1985 Jun; 100(6):1930-3

Calcium binding sites in plasmodia of Physarum polycephalum as revealed by the pyroantimonate technique. Achenbach F, et al. **J Histochem Cytochem** 1984 Nov;32(11):1177-84

[Structural characteristics and availability of DNA for solvent molecules in nuclei of Physarum polycephalum] Agranovich IM, et al. **Mol Biol (Mosk)** 1985 May-Jun; 19(3):717-[illegible] (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The influence of dissection and of the contact with glass on the contractile activity of plasmodial strands. Cieślawska M, et al. **Cell Biol Int Rep** 1984 Oct;8(10):813-21

Mechanics of cytogels I: oscillations in physarum. Oster GF, et al. **Cell Motil** 1984;4(6):469-503

ATP- and calcium-controlled contraction in a saponin model of Physarum polycephalum. Yoshimoto Y, et al. **Cell Struct Funct** 1984 Jun;9(2):135-41

Oscillations in cell shape and size during locomotion and in contractile activities of Physarum polycephalum, Dictyostelium discoideum, Amoeba proteus and macrophages. Satoh H, et al. **Exp Cell Res** 1985 Jan; 156(1):79-90

High diadenosine tetraphosphate (Ap4A) level at initiation of S phase in the naturally synchronous mitotic cycle of Physarum polycephalum. Weinmann-Dorsch C, et al. **Exp Cell Res** 1984 Nov;155(1):171-7

The effect of heat shock on the cell cycle regulation of tubulin expression in Physarum polycephalum. Carrino JJ, et al. **J Cell Biol** 1985 Feb;100(2):642-7

A mathematically modelled cytogel cortex exhibits periodic Ca++-modulated contraction cycles seen in Physarum shuttle streaming. Odell GM. **J Embryol Exp Morphol** 1984 Nov;83 Suppl:261-87

Tubulin proteins and RNA during the myxamoeba-flagellate transformation of Physarum polycephalum. Green LL, et al. **Mol Cell Biol** 1984 Sep;4(9):1706-11

Photomorphogenesis in Physarum: induction of tubulins and sporulation-specific proteins and of their mRNAs. Putzer H, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):7117-21

ULTRASTRUCTURE

A further assessment of the sub-nucleosomal product, 'peak A', from Physarum polycephalum. Stone GR, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):230-8

Enrichment of fibrillar cytoplasmic actomyosin in protoplasmic strands of Physarum polycephalum for the production of cell-free models. Pies NJ, et al. **Cell Tissue Res** 1985;239(2):365-74

Immunocytochemistry of the acellular slime mold Physarum polycephalum. V. Cryosectioning now allows analysis of non-extracted plasmodia of any and all stages. Naib-Majani W, et al. **Eur J Cell Biol** 1985 Jan;36(1):1-7

Improved negative staining of microfilament arrangements in detergent-extracted Physarum amoeboflagellates. Pagh KI, et al. **Exp Cell Res** 1985 Jan;156(1):287-93

Regions in the ribosomal minichromosome of Physarum polycephalum are protected from restriction nucleases; protection is insensitive to high salt in the G phase and sensitive in the M phase of the cell cycle. Künzler P, et al. **J Mol Biol** 1984 Nov 15;179(4):651-66

[Electron microscope study of changes in the chromatin structure in different functional states of nuclei of a ciliate Bursaria truncatella and a myxomycete Physarum polycephalum] Tikhonenko AS, et al. **Mol Biol (Mosk)** 1985 Jan-Feb;19(1):87-97 (Eng. Abstr.) **(Rus)**

PHYSICAL CONDITIONING, ANIMAL

Effects of physical training and detraining on resting cardiovascular parameters in albino rats. Pavlik G. **Acta Physiol Hung** 1985;66(1):27-37

Diurnal changes in the metabolic indices in the blood of racing Arabian horses. Gill J, et al. **Acta Physiol Pol** 1984 Mar-Apr;35(2):159-63

Seasonal enzyme activity changes in two aminotransferases AspAT and AlAT, acid and alkaline phosphatases and aldolase in the serum of Thoroughbred horses during a racing season. Szwarocka-Priebe T, et al. **Acta Physiol Pol** 1984 May-Jun;35(3):249-56

Attenuation of postexercise ketosis in fasted endurance trained rats. Beattie MA, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R63-7

Exercise training modifies myocardial mitochondria and myofibril growth in spontaneously hypertensive rats. Crisman RP, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):H8-14

Exercise training-induced hypervolemia in greyhounds: role of water intake and renal mechanisms. McKeever KH, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):R422-5

Elevation of tissue coenzyme Q (ubiquinone) and cytochrome c concentrations by endurance exercise in the rat. Beyer RE, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):323-9

Decrease in ventricular beta-adrenergic receptors in trained diabetic rats. Sylvestre-Gervais L, et al. **Basic Res Cardiol** 1984 Jul-Aug;79(4):432-9

Effect of physical training on glucose transporters in fat cell fractions. Vinten J, et al. **Biochim Biophys Acta** 1985 Aug 16;841(2):223-7

Plasma, adrenal, and heart catecholamines in physically trained normal and diabetic rats. Jobidon C, et al. **Diabetes** 1985 Jun;34(6):532-5

Cardiovascular and sympathoadrenal responses to stress in swim-trained rats. Cox RH, et al. **J Appl Physiol** 1985 Apr; 58(4):1207-14

Reduced training frequency effects on aerobic power and muscle adaptations in rats. Hickson RC, et al. **J Appl Physiol** 1984 Dec;57(6):1834-41

Effects of age on metabolic responses to endurance training in rats. Mazzeo RS, et al. **J Appl Physiol** 1984 Nov; 57(5):1369-74

Dynamic exercise training in foxhounds. I. Oxygen consumption and hemodynamic responses. Musch TI, et al. **J Appl Physiol** 1985 Jul;59(1):183-9

Dynamic exercise training in foxhounds. II. Analysis of skeletal muscle. Parsons D, et al. **J Appl Physiol** 1985 Jul; 59(1):190-7

Adaptive response of hypertrophied skeletal muscle to endurance training. Riedy M, et al. **J Appl Physiol** 1985 Jul;59(1):127-31

Muscle cell electrical hyperpolarization and reduced exercise hyperkalemia in physically conditioned dogs. Knochel JP, et al. **J Clin Invest** 1985 Feb;75(2):740-5

Effects of training on skeletal muscle in protein-deprived rats. Oldfors A, et al. **J Neurol Sci** 1985 May-Jun; 69(1-2):1-8

Training effect on the muscle fibre types in race horses. Uehara N, et al. **Nippon Juigaku Zasshi** 1985 Feb; 47(1):143-5

Response of the rat cardiovascular system to a moderate altitude in connection with endurance training. Barta E, et al. **Physiol Bohemoslov** 1985;34(2):103-10

[The effects of the stress of long-term physical and psychological training on the red blood cell picture in dogs] Konrád J, et al. **Vet Med (Praha)** 1984 Nov;29(11):659-68 (Eng. Abstr.) **(Cze)**

[Dynamics of the white blood cell picture during prolonged stress of training in the dog] Konrád J, et al. **Vet Med (Praha)** 1984 Dec;29(12):729-37 (Eng. Abstr.) **(Cze)**

[Effect of physical training on cholesterol metabolism--feeding on high fat diet] Hirota K, et al. **Ann Physiol Anthropol** 1984 Apr;3(2):103-9 (Eng. Abstr.) **(Jpn)**

[Characteristics of the regulation of the blood stroke volume in rat pups developing under hypokinesia and muscle training] Abzalov RA, et al. **Biull Eksp Biol Med** 1985 Aug;100(8):172-4 (Eng. Abstr.) **(Rus)**

PHYSICAL EDUCATION AND TRAINING

White blood cell count and adherence in sportsmen and non-training subjects. Seneczko F. **Acta Physiol Pol** 1983 Sep-Dec;34(5-6):601-10

Static contraction of the quadriceps muscle in man: cardiovascular control and responses to one-legged strength training. Lewis S, et al. **Acta Physiol Scand** 1984 Nov;122(3):341-53

Buffer capacity and lactate accumulation in skeletal muscle of trained and untrained men. Sahlin K, et al. **Acta Physiol Scand** 1984 Nov;122(3):331-9

The cardiovascular response to chronic physical exertion and exercise training: an echocardiographic review. Graettinger WF. **Am Heart J** 1984 Oct;108(4 Pt 1):1014-8

Cardiovascular sensitivity to epinephrine in the trained and untrained states. Martin WH 3d, et al. **Am J Cardiol** 1984 Dec 1;54(10):1326-30

Glycemic control with physical training in insulin-dependent diabetes mellitus. Rowland TW, et al. **Am J Dis Child** 1985 Mar;139(3):307-10

Levels of serum sex hormones and risk factors for coronary heart disease in exercise-trained men. Gutin B, et al. **Am J Med** 1985 Jul;79(1):79-84

Leucine turnover and oxidation in trained rats during exercise. Henderson SA, et al. **Am J Physiol** 1985 Aug; 249(2 Pt 1):E137-44

Validity of the Mellits and Cheek method for body-fat estimation in relation to menstrual cycle status in athletes and non-athletes below 22 per cent fat. Katch FI, et al. **Ann Hum Biol** 1984 Sep-Oct;11(5):389-96

Effect of a training programme for pensioners on condition and muscular strength. Aniansson A, et al. **Arch Gerontol Geriatr** 1984 Oct;3(3):229-41

Effects of a training programme for elderly people on mineral content of the heel bone. Rundgren A, et al. **Arch Gerontol Geriatr** 1984 Oct;3(3):243-8

Trainee attitudes toward disabled persons: effect of a special physical education program. Berrol CF. **Arch Phys Med Rehabil** 1984 Dec;65(12):760-5

Aerobic energy expenditure of handicapped children after training. Dresen MH, et al. **Arch Phys Med Rehabil** 1985 May;66(5):302-6

Strength training effect in young and aged women. Kauffman TL. **Arch Phys Med Rehabil** 1985 Apr;66(4):223-6

Lack of relationship between changes in adiposity and plasma lipids following endurance training. Despres JP, et al. **Atherosclerosis** 1985 Feb;54(2):135-43

Training, diet and physical characteristics of distance runners with low or high concentrations of high density lipoprotein cholesterol. Sady SP, et al. **Atherosclerosis** 1984 Dec; 53(3):273-81

Training-induced changes in serum lipids, fat tolerance, and adipose tissue metabolism in patients with hypertriglyceridemia. Wirth A, et al. **Atherosclerosis** 1985 Mar;54(3):263-71

Isometric abdominal muscle training and G tolerance. Balldin UI, et al. **Aviat Space Environ Med** 1985 Feb;56(2):120-4

Physical training and +Gz tolerance. Balldin UI. **Aviat Space Environ Med** 1984 Nov;55(11):991-2

The effects of an augmented and the standard recruit physical training program on fitness parameters. Marcinik EJ, et al. **Aviat Space Environ Med** 1985 Mar;56(3):204-7

Pre-Asiad '82 injuries in elite Indian athletes. Ahuja A, et al. **Br J Sports Med** 1985 Mar;19(1):24-6

Strength training and cross-sectional area of muscles [letter] Young A. **Br J Sports Med** 1985 Mar;19(1):48

Maximal oxygen uptake during exercise using trained or untrained muscles. Moreira-da-Costa M, et al. **Braz J Med Biol Res** 1984;17(2):197-202

Adaptation of skeletal muscles to training. Secher NH, et al. **Bull Eur Physiopathol Respir** 1984 Sep-Oct;20(5):453-7

The acquisition of muscular strength: the influence of training velocity and initial VO2 max. Petersen SR, et al. **Can J Appl Sport Sci** 1984 Dec;9(4):176-80

Seasonal fluctuations of force production in high jumpers. Viitasalo JT, et al. **Can J Appl Sport Sci** 1984 Dec; 9(4):209-13

Reduction in maximal oxygen uptake at low altitudes; role of training status and lung function. Terrados N, et al. **Clin Physiol** 1985;5 Suppl 3:75-9

Anabolic steroids in the training and treatment of athletes. Limbird TJ. **Compr Ther** 1985 Jan;11(1):25-30

Acute reversal of the enhanced insulin action in trained athletes. Association with insulin receptor changes. Burstein R, et al. **Diabetes** 1985 Aug;34(8):756-60

Variations in iron status with fatigue modelled from training in female distance runners. Banister EW, et al. **Eur J Appl Physiol** 1985;54(1):16-23

Vital capacity in trained and untrained healthy young adults in the Netherlands. Biersteker MW, et al. **Eur J Appl Physiol** 1985;54(1):46-53

The force-velocity relationship of arm flexion in untrained males and females and arm-trained athletes. de Koning FL, et al. **Eur J Appl Physiol** 1985;54(1):89-94

Effects of training at and above the lactate threshold on the lactate threshold and maximal oxygen uptake. Henritze J, et al. **Eur J Appl Physiol** 1985;54(1):84-8

Red cell 2,3-DPG, ATP, and mean cell volume in highly trained athletes. Effect of long-term submaximal exercise. Brodthagen UA, et al. **Eur J Applied Physiol** 1985; 53(4):334-8

Effects of exercise-training and detraining on fat cell lipolysis in men and women. Després JP, et al. **Eur J Applied Physiol** 1984;53(1):25-30

Training effects on muscle fatigue in man. Duchateau J, et al. **Eur J Applied Physiol** 1984;53(3):248-52

Dissociation between VO2max and ventilatory threshold responses to endurance training. Gaesser GA, et al. **Eur J Applied Physiol** 1984;53(3):242-7

Serum hormones during prolonged training of neuromuscular performance. Häkkinen K, et al. **Eur J Applied Physiol** 1985;53(4):287-93

Effect of exercise training on aortic collagen content in spontaneously hypertensive rats (SHR). Higuchi M, et al. **Eur J Applied Physiol** 1985;53(4):330-3

The effects of cigarette smoking on maximal oxygen consumption and selected physiological responses of elite team sportsmen. Morton AR, et al. **Eur J Applied Physiol** 1985;53(4):348-52

Variations in serum myoglobin after a 2-min isokinetic exercise test and the effects of training. Roxin LE, et al. **Eur J Applied Physiol** 1984;53(1):43-7

Influence of physical training on blood pressure, plasma renin, angiotensin and catecholamines in patients with ischaemic heart disease. Vanhees L, et al. **Eur J Applied Physiol** 1984;53(3):219-24

Metabolism of substrates: energy substrate metabolism during exercise and as modified by training. Gollnick PD. **Fed Proc** 1985 Feb;44(2):353-7

Biochemical determination of training effects using insulin clamp technique. Sato Y, et al. **Horm Metab Res** 1984 Sep; 16(9):483-6

Policemen's physical fitness in relation to the frequency of leisure-time physical exercise. Smolander J, et al. **Int Arch Occup Environ Health** 1984;54(4):295-302

Physical health and fitness of an elite bodybuilder during 1 year of self-administration of testosterone and anabolic steroids: a case study. Alén M, et al. **Int J Sports Med** 1985 Feb;6(1):24-9

Habitual physical activity, training, and blood pressure in normo- and hypertension. Fagard R. **Int J Sports Med** 1985 Apr;6(2):57-67 (135 ref.)

Trainability of underwater breath-holding time. Hentsch U, et al. **Int J Sports Med** 1984 Dec;5(6):343-7

Responses of maximal aerobic power and capacity to aerobic training. Lortie G, et al. **Int J Sports Med** 1984 Oct; 5(5):232-6

Exercises for knee flexors and extensors in uninjured soccer players: effects of two different programs. Oberg BE, et al. **Int J Sports Med** 1985 Jun;6(3):151-4

Relationship between swimming velocity and lactic concentration during continuous and intermittent training exercises. Olbrecht J, et al. **Int J Sports Med** 1985 Apr; 6(2):74-7

Running velocity at blood lactate threshold of boys aged 6-15 years compared with untrained and trained young males. Tanaka H, et al. **Int J Sports Med** 1985 Apr;6(2):90-4

The mechanism of training effects: a hypothesis. Viru A. **Int J Sports Med** 1984 Oct;5(5):219-27 (122 ref.)

Physical training in bronchial asthma. Bundgaard A, et al. **Int Rehabil Med** 1984;6(4):179-82 (53 ref.)

A rationale for training respiratory muscles. Grassino A. **Int Rehabil Med** 1984;6(4):175-8 (19 ref.)

Effect of aerobic conditioning on the peripheral circulation during chronic beta-adrenergic blockade. Hiatt WR, et al. **J Am Coll Cardiol** 1984 Nov;4(5):958-63

Time course of loss of adaptations after stopping prolonged intense endurance training. Coyle EF, et al. **J Appl Physiol** 1984 Dec;57(6):1857-64

Reduced training intensities and loss of aerobic power, endurance, and cardiac growth. Hickson RC, et al. **J Appl Physiol** 1985 Feb;58(2):492-9

Muscle fiber number in biceps brachii in bodybuilders and control subjects. MacDougall JD, et al. **J Appl Physiol** 1984 Nov;57(5):1399-403

Response of ventilatory and lactate thresholds to continuous and interval training. Poole DC, et al. **J Appl Physiol** 1985 Apr;58(4):1115-21

Endurance training and glucose conversion into triglycerides in human fat cells. Savard R, et al. **J Appl Physiol** 1985 Jan;58(1):230-5

Chronic exercise and left ventricular structure and function in healthy human subjects. Wolfe LA, et al. **J Appl Physiol** 1985 Feb;58(2):409-15

Effect of endurance exercise training on ventilatory function in older individuals. Yerg JE 2d, et al. **J Appl Physiol** 1985 Mar;58(3):791-4

Hypothalamic dysfunction in overtrained athletes. Barron JL, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):803-6

Normal variations in body surface electrocardiographic potential distributions during QRS: effects of exercise and exercise training. Miller WT, et al. **J Electrocardiol** 1985 Jul;18(3):239-50

Malleability of the motor system: training for maximizing power output. Howald H. **J Exp Biol** 1985 Mar;115:365-73

Changes in cardiovascular fitness following physical fitness classes. Rodnick JE, et al. **J Fam Pract** 1985 Apr; 20(4):367-71

Decreased training frequency and pulmonary function retention in the female athlete. DeMeersman RE, et al. **J Sports Med Phys Fitness** 1984 Jun;24(2):155-8

The effects of endurance training intensity on the anaerobic threshold. Golden HP, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):205-11

The effect of training frequency of aerobic dance on oxygen uptake, body composition and personality. Johnson S, et al. **J Sports Med Phys Fitness** 1984 Dec;24(4):290-8

The effect of speed of isokinetic exercise on training transfer to isometric strength in the quadriceps muscle. Seaborne D, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):183-8

Cardiac dimension changes with endurance training. Indications of a genotype dependency. Landry F, et al. **JAMA** 1985 Jul 5;254(1):77-80

Metabolic characteristics of skeletal muscle during detraining from competitive swimming. Costill DL, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):339-43

Responses of pre- and post-menopausal females to aerobic conditioning. Cowan MM, et al. **Med Sci Sports Exerc** 1985 Feb;17(1):138-43

Effects of aerobic training on fat distribution in male subjects. Després JP, et al. **Med Sci Sports Exerc** 1985 Feb; 17(1):113-8

Specificity of arm training on aerobic power during swimming and running. Gergley TJ, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):349-54

Influence of intense endurance training on aerobic power of competitive distance runners. Mikesell KA, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):371-5

Effect of strength training on glucose tolerance and post-glucose insulin response. Miller WJ, et al. **Med Sci Sports Exerc** 1984 Dec;16(6):539-43

Metabolic, endocrine, and reproductive changes of a woman channel swimmer. Frisch RE, et al. **Metabolism** 1984 Dec; 33(12):1106-11

Exercise training improves insulin sensitivity in the obese Zucker rat. Walberg JL, et al. **Metabolism** 1984 Dec; 33(12):1075-9

Physical fitness in the hospital setting. Barber LM Jr, et al. **Milit Med** 1985 May;150(5):278-82

The athletic heart syndrome. Huston TP, et al. **N Engl J Med** 1985 Jul 4;313(1):24-32 (98 ref.)

Influences of endurance training on the ultrastructural composition of the different muscle fiber types in humans. Howald H, et al. **Pflugers Arch** 1985 Apr;403(4):369-76

Perceived role responsibilities of physical therapists and adapted physical educators in the public school setting. Blumenkopf M, et al. **Phys Ther** 1985 Jul;65(7):1046-51

Cardiovascular fitness program: factors associated with participation and adherence. Mirotznik J, et al. **Public Health Rep** 1985 Jan-Feb;100(1):13-8

The effects of physical training and flunarizine on walking capacity in intermittent claudication. Lepäntalo M, et al. **Scand J Rehabil Med** 1984;16(4):159-62

Interval training and performance. Daniels J, et al. **Sports Med** 1984 Jul-Aug;1(4):327-34 (12 ref.)

Exercise, performance and temperature control: temperature regulation during exercise and implications for sports performance and training. Fortney SM, et al. **Sports Med** 1985 Jan-Feb;2(1):8-20 (57 ref.)

Response of skeletal muscle to training. Matoba H, et al. **Sports Med** 1984 May-Jun;1(3):240-51 (89 ref.)

Relationship between muscle strength and muscle cross-sectional area. Implications for training. Maughan RJ. **Sports Med** 1984 Jul-Aug;1(4):263-9

The effects of exercise-training on energy balance and adipose tissue morphology and metabolism. Tremblay A, et al. **Sports Med** 1985 May-Jun;2(3):223-33 (74 ref.)

Vitamins and endurance training. Food for running or faddish claims? van der Beek EJ. **Sports Med** 1985 May-Jun; 2(3):175-97 (85 ref.)

[The marathon; a justified challenge?] Kuipers H. **Ned Tijdschr Geneeskd** 1984 Aug 11;128(32):1528-30 **(Dut)**

[Kinetics of oxygen consumption during running of supramaximal intensity in differently trained subjects] Camus G, et al. **C R Soc Biol (Paris)** 1985;179(1):107-13 (Eng. Abstr.) **(Fre)**

[Effect of physical training by swimming on the arterial pressure, plasma and hypothalamo-post-hypophyseal vasopressin in genetically hypertensive rats of the Lyon strain] Ghaemmaghami F, et al. **C R Soc Biol (Paris)** 1985; 179(2):209-17 (Eng. Abstr.) **(Fre)**

[Acute physical training withdrawal syndrome] Jenoure P. **Schweiz Z Sportmed** 1985 Mar;33(1):25-7 **(Fre)**

[Clothing hygiene in school boys (are gym shorts ideal underwear?)] Pfefferkorn A. **Arztl Jugendkd** 1985 Apr; 76(2):101-5 (Eng. Abstr.) **(Ger)**

[Effect of physical training on blood flow properties in patients with intermittent claudication] Gallasch G, et al. **Klin Wochenschr** 1985 Jun 18;63(12):554-9 (Eng. Abstr.) **(Ger)**

[Exemption from school sports] Klimt F. **Off Gesundheitswes** 1984 Sep;46(9):419-25 **(Ger)**

[Trainability of respiratory muscles in patients with obstructive respiratory tract diseases] Worth H, et al. **Prax Klin Pneumol** 1985 Jul;39(7):226-32 (Eng. Abstr.) **(Ger)**

[Sport-Tester PE 3000 training system] Hofer P, et al. **Schweiz Z Sportmed** 1985 Jun;33(2):67-9 **(Ger)**

[Carbohydrate and lipid metabolism in normal subjects and patients with peripheral arterial occlusive diseases. Effect of stamina training] Diehm C. **Vasa** 1984;Suppl 13:1-61 **(Ger)**

[The lipoprotein profile of hypertensive patients and its modification by 4 weeks of physical training during spa treatment] Biermann J, et al. **Z Gesamte Inn Med** 1985 Jul 1;40(13):396-9 (Eng. Abstr.) **(Ger)**

[Measurement and control of the intensity of endurance training in patient groups] Dombkewitz B, et al. **Z Gesamte Inn Med** 1985 May 15;40(10):287-9 (Eng. Abstr.) **(Ger)**

[Preventive cardiology: lack of exercise and physical training from the epidemiologic and experimental viewpoints] Hollmann W, et al. **Z Kardiol** 1985 Jan;74(1):46-54 (Eng. Abstr.) **(Ger)**

[Stress proteinuria under various training conditions of athletes] Schenk H, et al. **Z Med Lab Diagn** 1985; 26(4):207-12 (Eng. Abstr.) **(Ger)**

[The ergometry test in the elderly] Marchini L, et al. **G Clin Med** 1985 Mar-Apr;66(3-4):135-41 (Eng. Abstr.) **(Ita)**

[Recent myocardial infarction: role of digitalis therapy in patients with left ventricular dysfunction during exercise who participated in a short-term physical training program] Giordano A, et al. **G Ital Cardiol** 1985 Jan;15(1):15-23 (Eng. Abstr.) **(Ita)**

[Short-term effects of a training program on the plasma level of HDL-cholesterol in infarct patients] Bigi R, et al. **Minerva Cardioangiol** 1985 Mar;33(3):127-34 (Eng. Abstr.) **(Ita)**

[Effects of exogenous RNA from the organs of physically trained animals] Smirnov AV. **Dokl Akad Nauk SSSR** 1984; 278(6):1499-502 **(Rus)**

[Targeted training of vestibular resistance in students during physical education classes] Shevtsov VV. **Fiziol Cheloveka** 1984 Jul-Aug;10(4):589-93 **(Rus)**

[Effectiveness of physical culture and sports as health-improving activities in a pioneer camp] Alfimov NN, et al. **Gig Sanit** 1985 Jan;(1):46-7 **(Rus)**

[Echocardiogram of young athletes on an annual training cycle] Il'nitskiĭ VI. **Kardiologiia** 1985 Apr;25(4):60-4 **(Rus)**

[Ultrastructure of the heart muscle in experimental myocardial infarct following physical training] Megrelishvili GN, et al. **Kardiologiia** 1985 Apr;25(4):89-91 (Eng. Abstr.) **(Rus)**

[Changes in lipid metabolism and physical work capacity in students with different motor activities] Il'inykh AI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr; (2):62-3 **(Rus)**

[Clinico-functional characteristics of physical work capacity of healthy men of different ages and possibilities of using these data for the elaboration of physical exercises and differentiated control] Pirogova EA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr; (2):50-3 **(Rus)**

HISTORY

R. Tait McKenzie--athlete--physical educator--artist. Cooper DY. **Trans Stud Coll Physicians Phila** 1985 Jun; 7(2):131-9

METHODS

Prevention of ankle sprains. Tropp H, et al. **Am J Sports Med** 1985 Jul-Aug;13(4):259-62

Improvement of muscle flexibility. A comparison between two techniques. Wallin D, et al. **Am J Sports Med** 1985 Jul-Aug;13(4):263-8

An open-air running and circuit exercising track in France. Selcon H. **Br J Sports Med** 1984 Sep;18(3):223-5

The effects of three training intensities on VO2 max and VE/VO2 ratio. Bhambhani Y, et al. **Can J Appl Sport Sci** 1985 Mar;10(1):44-51

Effects of interval and continuous running on HDL-cholesterol, apoproteins A-1 and B, and LCAT. Thomas TR, et al. **Can J Appl Sport Sci** 1985 Mar; 10(1):52-9

Endurance training in older men and women. I. Cardiovascular responses to exercise. Seals DR, et al. **J Appl Physiol** 1984 Oct;57(4):1024-9

Endurance training in older men and women II. Blood lactate response to submaximal exercise. Seals DR, et al. **J Appl Physiol** 1984 Oct;57(4):1030-3

Interval training: the effects of a 12-week programme on elite, pre-pubertal male soccer players. Mosher RE, et al. **J Sports Med Phys Fitness** 1985 Mar-Jun;25(1-2):5-9

Endurance exercise training. An effective therapeutic modality for hemodialysis patients. Harter HR, et al. **Med Clin North Am** 1985 Jan;69(1):159-75 (59 ref.)

Resistive training and selected effects. Stone MH, et al. **Med Clin North Am** 1985 Jan;69(1):109-22 (106 ref.)

Aerobic/calisthenic and aerobic/circuit weight training programs for Navy men: a comparative study. Marcinik EJ, et al. **Med Sci Sports Exerc** 1985 Aug;17(4):482-7

STANDARDS

[Physiological and hygienic evaluation of facilities for physical training in children's preschool institutions] Grebniak NP, et al. **Gig Sanit** 1985 May;(5):30-3 (Eng. Abstr.) **(Rus)**

TRENDS

Leads from the MMWR. Status of the 1990 physical fitness and exercise objectives. **JAMA** 1985 Oct 4;254(13):1694-7

Status of the 1990 physical fitness and exercise objectives. **MMWR** 1985 Aug 30;34(34):521-4, 529-31

PHYSICAL EFFORT see **EXERTION**

PHYSICAL ENDURANCE

Serum, total/free testosterone and sex hormone binding globulin binding capacity (SHBG) in a non-competitive marathon run. Dessypris A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984;265:18-9

Endurance training augments the stimulatory effect of epinephrine on oxygen consumption in perfused skeletal muscle. Richter EA, et al. **Acta Physiol Scand** 1984 Apr; 120(4):613-5

Symmetric cardiac enlargement in highly trained endurance athletes: a two-dimensional echocardiographic study. Hauser AM, et al. **Am Heart J** 1985 May;109(5 Pt 1):1038-44

The influence of exercise training on the ventilatory threshold of patients with coronary heart disease. Sullivan M, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):458-63

Effects of training on systolic time intervals at rest and during isometric exercise in men and women 61 to 64 years old. Seals DR, et al. **Am J Cardiol** 1985 Mar 1;55(6):797-800

Dietary carbohydrates and endurance exercise. Evans WJ, et al. **Am J Clin Nutr** 1985 May;41(5 Suppl):1146-54

Attenuation of postexercise ketosis in fasted endurance-trained rats. Beattie MA, et al. **Am J Physiol** 1985 Jan;248(1 Pt 2):R63-7

Biphasic changes in 3-methylhistidine excretion in humans after exercise. Dohm GL, et al. **Am J Physiol** 1985 May; 248(5 Pt 1):E588-92

Coordination of cardiac myofibrillar and sarcotubular activities in rats exercised by swimming. Pagani ED, et al. **Am J Physiol** 1984 Dec;247(6 Pt 2):H909-15

Menstrual function and bone mass in elite women distance runners. Endocrine and metabolic features. Marcus R, et al. **Ann Intern Med** 1985 Feb;102(2):158-63

Elevation of tissue coenzyme Q (ubiquinone) and cytochrome c concentrations by endurance exercise in the rat. Beyer RE, et al. **Arch Biochem Biophys** 1984 Nov 1;234(2):323-9

Effects of endurance fitness on responses to cold water immersion. Jacobs I, et al. **Aviat Space Environ Med** 1984 Aug;55(8):715-20

Physiological changes and sleep responses during and following a world record continuous walking record. Davies B, et al. **Br J Sports Med** 1984 Sep;18(3):173-80

Ergogenic demands of a 24 hour cycling event. White JA, et al. **Br J Sports Med** 1984 Sep;18(3):165-71

Isokinetic strength and endurance and muscle fiber type of elite oarswomen. Clarkson PM, et al. **Can J Appl Sport Sci** 1984 Sep;9(3):127-32

Submaximal endurance performance related to the ventilation thresholds. McLellan TM, et al. **Can J Appl Sport Sci** 1985 Jun;10(2):81-7

Increase in myocardial oxygen consumption indexes by exercise training at onset of ischemia in patients with coronary artery disease. Laslett LJ, et al. **Circulation** 1985 May;71(5):958-62

Serum creatine kinase activity following a 120-km march. Galun E, et al. **Clin Chim Acta** 1984 Nov 30;143(3):281-3

Skeletal muscle function in man: force, relaxation rate, endurance and contraction time-dependence on sex and age. Lennmarken C, et al. **Clin Physiol** 1985 Jun;5(3):243-55

Effects in elderly people 67-76 years of age of three-month endurance training on a bicycle ergometer. Haber P, et al. **Eur Heart J** 1984 Nov;5 Suppl E:37-9

Endurance capacity of trained older aged athletes. Wollein W, et al. **Eur Heart J** 1984 Nov;5 Suppl E:21-5

Variations in iron status with fatigue modelled from training in female distance runners. Banister EW, et al. **Eur J Appl Physiol** 1985;54(1):16-23

Plasma renin activity and serum aldosterone during prolonged physical strain. The significance of sleep and energy deprivation. Opstad PK, et al. **Eur J Appl Physiol** 1985;54(1):1-6

Creatine kinase and creatine kinase MB in endurance runners and in patients with myocardial infarction. Stäubli M, et al. **Eur J Appl Physiol** 1985;54(1):40-5

Effects of exercise-training and detraining on fat cell lipolysis in men and women. Després JP, et al. **Eur J Applied Physiol** 1984;53(1):25-30

Dissociation between VO2max and ventilatory threshold responses to endurance training. Gaesser GA, et al. **Eur J Applied Physiol** 1984;53(3):242-7

Reduction of isometric muscle endurance after wearing impermeable gas protective clothing. Smolander J, et al. **Eur J Applied Physiol** 1984;53(1):76-80

Ventilatory response during incremental exercise tests in weight lifters and endurance cyclists. Veicsteinas A, et al. **Eur J Applied Physiol** 1985;53(4):322-9

Protein metabolism during endurance exercise. Dohm GL, et al. **Fed Proc** 1985 Feb;44(2):348-52 (34 ref.)

Anthropomorphic, hormonal, and psychologic correlates of semen quality in endurance-trained male athletes. Ayers JW, et al. **Fertil Steril** 1985 Jun;43(6):917-21

Muscular working capacity in boys aged 13-14 years. Korol' VM, et al. **Hum Physiol** 1983 Nov-Dec;9(6):391-5

State of the sympathoadrenal system during exercise of short duration and maximal intensity. Mekhrikadze VV, et al. **Hum Physiol** 1983 Nov-Dec;9(6):401-6

Synchronized external pulsation for improved tolerance to acceleration stress: model studies and preliminary experiments. Moore TW, et al. **IEEE Trans Biomed Eng** 1985 Feb;32(2):158-65

Working ability and exercise tolerance during treatment of a mild hypertension. I. Comparison between a beta-adreno-receptor blocking drug and a calcium antagonist. Lange Andersen K, et al. **Int Arch Occup Environ Health** 1985;56(1):41-7

Working ability and exercise tolerance during treatment of mild hypertension. II. A comparison between atenolol and prazosin medication. Lange Andersen K, et al. **Int Arch Occup Environ Health** 1985;56(1):49-55

Endurance training, VO2 max, and OBLA: a longitudinal study of two different age groups. Denis C, et al. **Int J Sports Med** 1984 Aug;5(4):167-73

Variations of serum testosterone concentrations after physical exercises of different duration. Guglielmini C, et al. **Int J Sports Med** 1984 Oct;5(5):246-9

Relationship between swimming velocity and lactic concentration during continuous and intermittent training exercises. Olbrecht J, et al. **Int J Sports Med** 1985 Apr;6(2):74-7

Rapid ventricular filling in left ventricular hypertrophy: I. Physiologic hypertrophy. Granger CB, et al. **J Am Coll Cardiol** 1985 Apr;5(4):862-8

Physiologic changes during a marathon, with special reference to magnesium. Franz KB, et al. **J Am Coll Nutr** 1985;4(2):187-94

Lactate threshold and distance-running performance in young and older endurance athletes. Allen WK, et al. **J Appl Physiol** 1985 Apr;58(4):1281-4

Creatine kinase-MB isoenzyme adaptations in stressed human skeletal muscle of marathon runners. Apple FS, et al. **J Appl Physiol** 1985 Jul;59(1):149-53

Time course of loss of adaptations after stopping prolonged intense endurance training. Coyle EF, et al. **J Appl Physiol** 1984 Dec;57(6):1857-64

Effect of slightly lowered body temperatures on endurance performance in humans. Hessemer V, et al. **J Appl Physiol** 1984 Dec;57(6):1731-7

Reduced training intensities and loss of aerobic power, endurance, and cardiac growth. Hickson RC, et al. **J Appl Physiol** 1985 Feb;58(2):492-9

Adaptive response of hypertrophied skeletal muscle to endurance training. Riedy M, et al. **J Appl Physiol** 1985 Jul;59(1):127-31

Endurance training and glucose conversion into triglycerides in human fat cells. Savard R, et al. **J Appl Physiol** 1985 Jan;58(1):230-5

Endurance training in older men and women II. Blood lactate response to submaximal exercise. Seals DR, et al. **J Appl Physiol** 1984 Oct;57(4):1030-3

Endurance training in older men and women. I. Cardiovascular responses to exercise. Seals DR, et al. **J Appl Physiol** 1984 Oct;57(4):1024-9

Effect of a 42.2-km footrace and subsequent rest or exercise on muscular strength and work capacity. Sherman WM, et al. **J Appl Physiol** 1984 Dec;57(6):1668-73

Effect of endurance exercise training on ventilatory function in older individuals. Yerg JE 2d, et al. **J Appl Physiol** 1985 Mar;58(3):791-4

Muscular synergism--II. A minimum-fatigue criterion for load sharing between synergistic muscles. Dul J, et al. **J Biomech** 1984;17(9):675-84

Mechanical properties of fast and slow skeletal muscle with special reference to collagen and endurance training. Kovanen V, et al. **J Biomech** 1984;17(10):725-35

Altered neuroendocrine regulation of gonadotropin secretion in women distance runners. Veldhuis JD, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):557-63

Exercise conditioning in children with asthma. Orenstein DM, et al. **J Pediatr** 1985 Apr;106(4):556-60

Effect of speed and endurance activities on blood pressure, heart rate and blood lactate, and their correlation. Bandyopadhyay DK. **J Sports Med Phys Fitness** 1984 Jun;24(2):107-11

Physiological response from 18-25 years women to aerobic and anaerobic physical fitness tests at different periods during the menstrual cycle. De Bruyn-Prevost P, et al. **J Sports Med Phys Fitness** 1984 Jun;24(2):144-8

Physiological response of girls to aerobic and anaerobic endurance tests. De Bruyn-Prevost P, et al. **J Sports Med Phys Fitness** 1984 Jun;24(2):149-54

The effects of endurance training intensity on the anaerobic threshold. Golden HP, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):205-11

Sleep disruption following a marathon. Montgomery I, et al. **J Sports Med Phys Fitness** 1985 Mar-Jun;25(1-2):69-74

A comparison of values for osmotic fragility of R.B.Cs and persistence test of athletes. Singhal P, et al. **J Sports Med Phys Fitness** 1984 Sep;24(3):230-3

A comparison of the anaerobic threshold of sprint and endurance trained swimmers. Smith BW, et al. **J Sports Med Phys Fitness** 1984 Jun;24(2):94-9

Measurement of anaerobic power and capacity in elite young track athletes using the Wingate test. Tharp GD, et al. **J Sports Med Phys Fitness** 1984 Jun;24(2):100-6

Cardiac dimension changes with endurance training. Indications of a genotype dependency. Landry F, et al. **JAMA** 1985 Jul 5;254(1):77-80

Endurance exercise training. An effective therapeutic modality for hemodialysis patients. Harter HR, et al. **Med Clin North Am** 1985 Jan;69(1):159-75 (59 ref.)

Endurance exercise and pregnancy outcome. Clapp JF 3d, et al. **Med Sci Sports Exerc** 1984 Dec;16(6):556-62

Endurance exercise modifies cachexia of tumor growth in rats. Deuster PA, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):385-92

Effects of chronic beta-adrenergic blockade on hemodynamic and metabolic responses to endurance training. Lawlor MR, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):393-400

Influence of intense endurance training on aerobic power of competitive distance runners. Mikesell KA, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):371-5

Water intoxication: a possible complication during endurance exercise. Noakes TD, et al. **Med Sci Sports Exerc** 1985 Jun;17(3):370-5

Effects of acute cold exposure on submaximal endurance performance. Patton JF, et al. **Med Sci Sports Exerc** 1984 Oct;16(5):494-7

The effects of caloric restriction or exercise cessation on the serum lipid and lipoprotein concentrations of endurance athletes. Thompson PD, et al. **Metabolism** 1984 Oct;33(10):943-50

The effects of high-carbohydrate and high-fat diets on the serum lipid and lipoprotein concentrations of endurance athletes. Thompson PD, et al. **Metabolism** 1984 Nov;33(11):1003-10

Isokinetic endurance of men of high and low strength. Barnes WS. **Percept Mot Skills** 1985 Feb;60(1):26

Influences of endurance training on the ultrastructural composition of the different muscle fiber types in humans. Howald H, et al. **Pflugers Arch** 1985 Apr;403(4):369-76

Isokinetic plantar flexion endurance. Reliability and validity of output/excitation measurements. Fugl-Meyer AR, et al. **Scand J Rehabil Med** 1985;17(2):47-52

Physiological basis of the sex difference in cardiorespiratory endurance. Pate RR, et al. **Sports Med** 1984 Mar-Apr;1(2):87-98

[Endurance training and menstruation] Hansen IL, et al. **Ugeskr Laeger** 1984 Jul 2;146(27):2004-5 (Eng. Abstr.) **(Dan)**

[Echocardiography of endurance athletes as a function of VO2 max] S'Jongers JJ, et al. **Schweiz Z Sportmed** 1985 Jun;33(2):53-61 (Eng. Abstr.) **(Fre)**

[Exercise training in chronic obstructive lung diseases. Systematic aerobic training improves endurance performance] Haber P. **Fortschr Med** 1985 Apr 11;103(14):373-5 (Eng. Abstr.) **(Ger)**

[Maximal aerobic capacity ans anaerobic threshold in 16-km runners] Marti B, et al. **Schweiz Z Sportmed** 1985 Jun;33(2):41-6 (Eng. Abstr.) **(Ger)**

[Parameters for the evaluation of endurance capacity in horses] Straub R, et al. **Tierarztl Prax** 1984;12(4):499-504 (Eng. Abstr.) **(Ger)**

[The importance of sports medicine field tests as a means of training control in northern endurance sports] Baumgartl P, et al. **Wien Med Wochenschr** 1985 May 31;135(9-10):241-4 (Eng. Abstr.) **(Ger)**

[Experiences with an ergonomic study] Antalovits M, et al. **Z Gesamte Hyg** 1985 Apr;31(4):215-7 (Eng. Abstr.) **(Ger)**

[Behavior of circulatory and respiratory parameters within maximal and submaximal load and endurance limits in men in the 5th and 6th decades of life] Frauendorf H, et al. **Z Gesamte Hyg** 1985 Mar;31(3):157-9 (Eng. Abstr.) **(Ger)**

[Age related characteristic values in the assessment of endurance limits during local dynamic muscle work] Kobryn U, et al. **Z Gesamte Hyg** 1985 Feb;31(2):91-2 (Eng. Abstr.) **(Ger)**

[Cardiovascular and respiratory parameters by local dynamic muscle work of different working frequencies at endurance limits] Kobryn U, et al. **Z Gesamte Hyg** 1985 Apr;31(4):202-4 (Eng. Abstr.) **(Ger)**

[Measurement and control of the intensity of endurance training in patient groups] Dombkewitz B, et al. **Z Gesamte Inn Med** 1985 May 15;40(10):287-9 (Eng. Abstr.) **(Ger)**

[Evaluation of the ability to sustain a prolonged standing posture] Kataoka J, et al. **Ann Physiol Anthropol** 1984 Jan;3(1):39-45 (Eng. Abstr.) **(Jpn)**

[Effect of physical training on exercise-induced bronchospasm of institutionalized asthmatic children] Mitsubayashi T. **Arerugi** 1984 Jun;33(6):318-27 (Eng. Abstr.) **(Jpn)**

[Tolerance and hemodynamic support for physical loading in patients in the early period of an acute large-focus myocardial infarct] Al'khimovich VM, et al. **Kardiologiia** 1985 Feb;25(2):11-4 (Eng. Abstr.) **(Rus)**

[Physical loading tolerance in male population groups 20 to 69 years of age without the angina syndrome and normal and altered resting ECGs] Lipovetskii BM, et al. **Ter Arkh** 1985;57(1):28-30 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Physical performance and muscle metabolism during beta-adrenergic blockade in man. Kaiser P. **Acta Physiol Scand [Suppl]** 1984;536:1-53

Anabolic steroids: a review of the literature. Haupt HA, et al. **Am J Sports Med** 1[illegible] Nov-Dec;12(6):469-84 (112 ref.)

The influence of endurance training on mechanical catecholamine responsiveness, beta-adrenoceptor density and myosin isoenzyme pattern of rat ventricular myocardium. Takeda N, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):88-99

Alcohol, cardiorespiratory function and work performance. Bond V, et al. **Br J Sports Med** 1984 Sep;18(3):203-6

The effect of hematinics on the physical work capacity in anemics. Seshadri S, et al. **Indian Pediatr** 1984 Jul;21(7):529-33

Caffeine and endurance performance. Powers SK, et al. **Sports Med** 1985 May-Jun;2(3):165-74 (65 ref.)

Vitamins and endurance training. Food for running or faddish claims? van der Beek EJ. **Sports Med** 1985 May-Jun;2(3):175-97 (85 ref.)

[Effect of a short course of beta-blocker treatment on the central hemodynamics and work capacity of patients with neurocirculatory dystonia] Pal'tsev IS, et al. **Kardiologiia** 1985 Apr;25(4):48-52 (Eng. Abstr.) **(Rus)**

[Effect of alcohol on the functional characteristics of the internal organs] Allik TA, et al. **Vopr Med Khim** 1985 May-Jun;31(3):116-20 (Eng. Abstr.) **(Rus)**

PHYSICAL EXAMINATION

Zygosity testing: laboratory and the investigator's judgment. Segal NL. **Acta Genet Med Gemellol (Roma)** 1984;33(3):515-21

Medical examination of children referred for special education. Heymann PW, et al. **Am J Dis Child** 1985 Feb;139(2):152-4

Patterns of foot examination in a diabetes clinic. Bailey TS, et al. **Am J Med** 1985 Mar;78(3):371-4

Health maintenance for adults. Kirk LM. **Am J Med Sci** 1985 May;289(5):215-20

Dickinson's sign: focal uterine softening in early pregnancy and its correlation with the placental site. Munsick RA. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):799-802

Medical examination of school entrants: later school problems and absenteeism of attenders and non-attenders. Mowat DL, et al. **Am J Public Health** 1985 Apr;75(4):395-6

What do breast symptoms mean? Goodson WH 3d, et al. **Am J Surg** 1985 Aug;150(2):271-4

Rectal examination and acute appendicitis. Dickson AP, et al. **Arch Dis Child** 1985 Jul;60(7):666-7

A nurse-initiated reminder system for the periodic health examination. Implementation and evaluation. Davidson RA, et al. **Arch Intern Med** 1984 Nov;144(11):2167-70

The measurement of risk indicators for coronary heart disease in air traffic control officers: a screening study in a healthy population. Maxwell VB, et al. **Aviat Space Environ Med** 1983 Mar;54(3):246-9

The system of medical fitness examinations for seamen in the German Democratic Republic. Grimmer G, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):131-5

Morbidity in the Soviet seamen of the Caspian Sea as revealed by medical check-up. Kuliyev AA. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):63-6

Normative and organizational improvement of commissions for professional selection of seamen. Lisobey VA, et al. **Bull Inst Marit Trop Med Gdynia** 1983;34(3-4):137-41

Early detection of malignant melanoma: the role of physician examination and self-examination of the skin. Friedman RJ, et al. **CA** 1985 May-Jun;35(3):130-51

The periodic health examination [letter] Wittes R. **Can Med Assoc J** 1984 Oct 1;131(7):717, 720

Observer variation in clinical examination of the nasal airway. Hardcastle PF, et al. **Clin Otolaryngol** 1985 Feb;10(1):3-7

Victory in Brighton County Court. Wood LM, et al. **Colo Med** 1984 Oct;81(10):157-8

The medical evaluation of sexual abuse in children. De Jong AR. **Hosp Community Psychiatry** 1985 May;36(5):509-12

Routine physical examinations for new employees? [letter] Craig CP. **Infect Control** 1984 Oct;5(10):465-6

Crucial importance of the complete skin examination [letter] Kaminester LH. **J Am Acad Dermatol** 1985 Jul;13(1):150-3

History and physical examination by oral and maxillofacial surgeons: the development of a physical assessment course. Keen R, et al. **J Am Dent Assoc** 1985 Jan;110(1):64-6

Need for medical workup in psychiatric assessment [letter] Kahaner KP, et al. **J Am Geriatr Soc** 1985 Aug;33(8):570

Screening high school athletes. Hunter SC. **J Med Assoc Ga** 1985 Jul;74(7):482-4

Time for rewording 'annual' [editorial] Kirkland LR. **J Med Assoc Ga** 1985 Jul;74(7):517-8

Utilization of an anthropomorphic model in pelvic examination instruction. Rakestraw PG, et al. **J Med Educ** 1985 Apr;60(4):343-5

Patients' attitudes to chaperones. Jones R. **J R Coll Gen Pract** 1985 Apr;35(273):192-3

What ultrasonography can tell in breast masses that mammography and physical examination cannot. Rosner D, et al. **J Surg Oncol** 1985 Apr;28(4):308-13

Gynaecological history, complaints and examinations in a middle-aged population. Hagstad A, et al. **Maturitas** 1985 Jul;7(2):115-28

The cancer-related health check-up. A guide for medical practitioners. Fleming WB. **Med J Aust** 1985 Sep 16;143(6 Suppl):S33-40

Counseling and health screening for children entering sports and physical exercise. Siegel BS. **Nurse Pract** 1985 May; 10(5):11-2, 17-21

Pre-placement health screening needs problem-oriented approach. Kurt TL. **Occup Health Saf** 1985 May;54(5):23

Direct observation of pain behavior in low back pain patients during physical examination. Keefe FJ, et al. **Pain** 1984 Sep;20(1):59-68

The importance of urodynamic examinations in relation to the indication for surgical treatment of neurogenic bladder dysfunction. Stoehrer M, et al. **Paraplegia** 1984 Dec; 22(6):349-57

Predictive value of abnormal physical examination findings in ill-appearing and well-appearing febrile children. McCarthy PL, et al. **Pediatrics** 1985 Aug;76(2):167-71

Contribution of pelvic and lower limb motion to increases in the angle of passive straight leg raising. Bohannon R, et al. **Phys Ther** 1985 Apr;65(4):474-6

Glaucoma screening as part of the routine physical examination. What to look for and how to use the Schiotz tonometer. Pabalan FJ, et al. **Postgrad Med** 1985 May 1; 77(6):256-60

Deferred rectal examination. Maull KI. **South Med J** 1985 May;78(5):622

Physical signs of instability. Paris SV. **Spine** 1985 Apr; 10(3):277-9

A 10-year follow-up study of per oral glucose tolerance at annual physical examinations. Matsuoka K, et al. **Tohoku J Exp Med** 1983 Dec;141 Suppl:105-9

Outline of medical standards for divers. Hickey DD. **Undersea Biomed Res** 1984 Dec;11(4):407-32

Elevation of serum prostatic acid phosphatase levels after prostatic massage. Wadström J, et al. **Urology** 1984 Dec; 24(6):550-1

The predictive value of physical examinations for ascites. Cummings S, et al. **West J Med** 1985 May;142(5):633-6

Pelvic pain cured by pelvic examination [letter] Schneiderman H. **West J Med** 1984 Nov;141(5):686

[Acid phosphatases and rectal examination. A study with immunologic analysis] Madsen JL, et al. **Ugeskr Laeger** 1985 Jun 10;147(24):1932-3 (Eng. Abstr.) **(Dan)**

[Screening for congenital hip dysplasia in well-child clinics for infants. Current status] van Hees-van der Laan ZJ. **Tijdschr Kindergeneeskd** 1985 Jun;53(3):99-105 (Eng. Abstr.) **(Dut)**

[Preventive screening in Child Health Services] Van Wieringen JC, et al. **Tijdschr Kindergeneeskd** 1985 Jun; 53(3):85-91 (Eng. Abstr.) **(Dut)**

[Role of the medical examination in driver licencing] Laaksonen H, et al. **Duodecim** 1984;100(19):1220-8 **(Fin)**

[Exclusion of voluntary blood donors during a medical visit to the mobile unit. Results of the National Blood Transfusion Center of Paris concerning 111,037 volunteers] Cagnard JP. **Rev Fr Transfus Immunohematol** 1985 Feb; 28(1):61-8 **(Fre)**

[Medical duties in cases of rape and attempted rape] Bär W. **Rev Med Suisse Romande** 1984 Nov;104(11):893-6 **(Fre)**

[The periodic health examination. 2. Update (1984). From the Canadian Task Force on the Periodic Health Examination (1982-84)] **Union Med Can** 1984 Sep; 113(9):796-803 **(Fre)**

[The periodic health examination. 3. An evolving concept] Battista RN, et al. **Union Med Can** 1984 Sep;113(9):804-8 **(Fre)**

[The periodic health examination: update. 1. Introduction] Spitzer WO. **Union Med Can** 1984 Sep;113(9):795-6 **(Fre)**

[Responsibilities of the adolescent physician in the evaluation of specific requirements and final examination of students of the 9th and 11th grade] Müller D, et al. **Arztl Jugendkd** 1985 Jun;76(3):155-61 (Eng. Abstr.) **(Ger)**

[Evaluation of risk factors in the standard examination of adolescents] Klingbeil M, et al. **Padiatr Grenzgeb** 1985; 24(1):75-8 (Eng. Abstr.) **(Ger)**

[Fitness and suitability from the military medicine viewpoint] Hollenbach K, et al. **Z Arztl Fortbild (Jena)** 1985;79(1):25-9 **(Ger)**

[Teaching methods of the physical examination of patients] Kaganov AL, et al. **Sov Med** 1984;(10):58-61 **(Rus)**

[Means of improving the active diagnosis of breast cancer] Sagaïdak VN, et al. **Vopr Onkol** 1985;31(1):88-92 (Eng. Abstr.) **(Rus)**

ECONOMICS

The cost-effectiveness of health checkups--an illustrative study. Collen MF. **West J Med** 1984 Dec;141(6):786-92

INSTRUMENTATION

A tilting bed for the urodynamic assessment of spinal cord injured patients. Gardner BP, et al. **Paraplegia** 1984 Dec; 22(6):383-85

[An instrument for determining growth and actual and expected body mass with regard to age] Selivanov AD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr; (2):69-70 **(Rus)**

METHODS

A comparison of acute anterior cruciate ligament examinations. Initial versus examination under anesthesia. Donaldson WF 3d, et al. **Am J Sports Med** 1985 Jan-Feb; 13(1):5-10

An in vivo strain gage study of elongation of the anterior cruciate ligament. Henning CE, et al. **Am J Sports Med** 1985 Jan-Feb;13(1):22-6

Cross-examination for students in andrology. Kelâmi A. **Arch Androl** 1984;13(1):101-2

Routine examination of the abdomen. Ewing H. **Aust Fam Physician** 1984 Jun;13(6):438-9

Examination of the knee. Young D, et al. **Aust Fam Physician** 1984 Dec;13(12):896-900

The medical examination of sexually abused children [letter] Bentovim A. **Br Med J [Clin Res]** 1985 May 11; 290(6479):1431

The first gynecologic examinations [letter] Buxton B, et al. **Can Med Assoc J** 1984 Sep 15;131(6):541, 544

Acute knee injuries. Leach RE, et al. **Hosp Pract [Off]** 1984 Nov;19(11):56G, 56J, 56K passim

Preplacement examination of temporary hospital workers. Lewy R. **J Occup Med** 1985 Feb;27(2):122-4

Screening procedures in the asymptomatic adult. Comparison of physicians' recommendations, patients' desires, published guidelines, and actual practice. Woo B, et al. **JAMA** 1985 Sep 20;254(11):1480-4

The diagnosis of pes planus and pes cavus in soldiers by the foot-ground pressure pattern. Alcalay J, et al. **Milit Med** 1985 Apr;150(4):215-7

Physical maturity screening for participation in sports. Kreipe RE, et al. **Pediatrics** 1985 Jun;75(6):1076-80

Preparticipation evaluation of the adolescent athlete. Timing and content of the examination. Blum RW. **Postgrad Med** 1985 Aug;78(2):52-6, 59-66, 69

Experiment of periodical medical examinations by computers. Shuster LA, et al. **Sante Publique (Bucur)** 1984;27(1):3-10

[How can aspecific mechanical low backache be differentiated from psychogenically-determined back complaints by a simple examination?] Lankhorst GJ, et al. **Ned Tijdschr Geneeskd** 1984 Nov 3;128(44):2101-3 **(Dut)**

[Clinical evaluation of the shoulder in athletes] Crielaard JM, et al. **Rev Med Liege** 1985 Feb 15;40(4):140-4 **(Fre)**

[Examinations of education applicants from the viewpoint of the pediatrician] Richter J. **Arztl Jugendkd** 1984 Oct; 75(5):327-30 (Eng. Abstr.) **(Ger)**

['Preferred preschool examination'--observations and results] Hein H. **Off Gesundheitswes** 1984 Sep;46(9):411-8 **(Ger)**

[Simultaneous ultrasound and vaginal or rectal examination] Bulić M. **Jugosl Ginekol Opstet** 1984 May-Aug; 24(3-4):67-8 (Eng. Abstr.) **(Scr)**

[Long-term prognosis of fetal-obstetric evaluation] Mora-Montes MM, et al. **Bol Med Hosp Infant Mex** 1985 Apr;42(4):266-70 (Eng. Abstr.) **(Spa)**

STANDARDS

The periodic health examination and internal medicine: 1984. Fletcher SW. **Ann Intern Med** 1984 Dec;101(6):866-8

Frequency of preparticipation sports examinations in secondary school athletes: are the University Interscholastic League guidelines appropriate? Risser WL, et al. **Tex Med** 1985 Jul;81(7):35-9

Some obstacles to the evaluation and effective performance of health appraisals. Friedman GD. **West J Med** 1984 Dec; 141(6):782-5

VETERINARY

A guide to the clinical examination, chemical restraint and medication of the camel. Higgins AJ, et al. **Br Vet J** 1984 Sep-Oct;140(5):485-504

Clinical examination of the equine heart. Gerring EL. **Equine Vet J** 1984 Nov;16(6):552-5

Purchase examinations for performance horses. Anderson GF, et al. **Mod Vet Pract** 1984 Sep;65(9):692-5

PHYSICAL EXAMINATION, PREADMISSION see **DIAGNOSTIC TESTS, ROUTINE**

PHYSICAL FITNESS

see related
PHYSICAL ENDURANCE

High and low insulin responders: relations to oral glucose tolerance, insulin secretion and physical fitness. Berntorp K, et al. **Acta Med Scand** 1984;216(1):111-7

Five-year follow-up of ECG aberrations, latent coronary heart disease and cardiopulmonary fitness in various age groups of Norwegian cross-country skiers. Lie H, et al. **Acta Med Scand** 1984;216(4):377-83

Epidemiological assessment of the role of physical activity and fitness in development of cardiovascular disease. Kannel WB, et al. **Am Heart J** 1985 Apr;109(4):876-85 (71 ref.)

Physical activity and health: need to define the required stimulus. Haskell WL. **Am J Cardiol** 1985 Apr 26; 55(10):4D-9D

Lack of sustained increase in VO2 following exercise in fit and unfit subjects. Freedman-Akabas S, et al. **Am J Clin Nutr** 1985 Mar;41(3):545-9

A simple, valid step test for estimating maximal oxygen uptake in epidemiologic studies. Siconolfi SF, et al. **Am J Epidemiol** 1985 Mar;121(3):382-90

Physical fitness and blood pressure: the role of age. Siconolfi SF, et al. **Am J Epidemiol** 1985 Sep;122(3):452-7

Exercise dynamics in late gestation: effects of physical training. Morton MJ, et al. **Am J Obstet Gynecol** 1985 May 1;152(1):91-7

Urinary iron loss and physical fitness of Kenyan children with urinary schistosomiasis. Stephenson LS, et al. **Am J Trop Med Hyg** 1985 Mar;34(2):322-30

Psychomotor tests and 'street fitness' [letter] Healy P, et al. **Anesth Analg** 1985 Feb;64(2):182

Orthostatic tolerance at different times of the day in physically average and very fit dayworkers. Härmä MI, et al. **Ann Clin Res** 1985;17(1):27-31

Effects of exercise on the physical fitness, intelligence, and adaptive behavior of institutionalized mentally retarded adults. Tomporowski PD, et al. **Appl Res Ment Retard** 1984;5(3):329-37

Prosthetic use: correlation of clinic team and ergonomic laboratory in predicting its success. March H, et al. **Arch Phys Med Rehabil** 1984 Dec;65(12):775-7

Relationships between physical fitness and risk factors for coronary heart disease in men and women. Sedgwick AW, et al. **Aust NZ J Med** 1984 Jun;14(3):208-14

Physiological characteristics of elite sport parachutists. Deitrick RW, et al. **Aviat Space Environ Med** 1985 Apr; 56(4):351-7

Effects of endurance fitness on responses to cold water immersion. Jacobs I, et al. **Aviat Space Environ Med** 1984 Aug;55(8):715-20

The effects of an augmented and the standard recruit physical training program on fitness parameters. Marcinik EJ, et al. **Aviat Space Environ Med** 1985 Mar;56(3):204-7

HDL-cholesterol related to weight, smoking, and physical fitness in German Air Force pilots. Reichenbach-Klinke K, et al. **Aviat Space Environ Med** 1985 Jul;56(7):709-13

Factor analytic derivation of the MHPG/NM ratio: implications for studying the link between physical fitness and depression. Sothmann MS, et al. **Biol Psychiatry** 1985 May;20(5):579-83

Psychological, nutritional and physical status of olympic road cyclists. Johnson A, et al. **Br J Sports Med** 1985 Mar; 19(1):11-4

The Dorset Get-Fit Campaign--community fitness testing programme. Nutbeam D, et al. **Br J Sports Med** 1985 Mar; 19(1):5-7

Can general practitioners influence exercise habits? Controlled trial. Campbell MJ, et al. **Br Med J [Clin Res]** 1985 Apr 6;290(6474):1044-6

The problem of attesting fitness for duty of seafarers seen against reductions of shipboard personnel. Zorn E. **Bull Inst Marit Trop Med Gdynia** 1983;34(1-2):49-53

Performance of mentally retarded adults on the Canadian Standardized Test of Fitness. Reid G, et al. **Can J Public Health** 1985 May-Jun;76(3):187-90

Minimum muscular fitness of urban Tswana children. Corlett JT. **Child Care Health Dev** 1985 Jan-Feb;11(1):37-43

The value of physical fitness in preventive medicine. Shephard RJ. **Ciba Found Symp** 1985;110:164-82

Health and ageing characteristics of highly physically active 65-year-old men. Larsson B, et al. **Eur Heart J** 1984 Nov; 5 Suppl E:31-5

Coronary risk factors and incidence of coronary death in relation to physical fitness. Seven-year follow-up study of middle-aged and elderly men. Lie H, et al. **Eur Heart J** 1985 Feb;6(2):147-57

The influence of cardiorespiratory fitness on the decrement in maximal aerobic power at high altitude. Young AJ, et al. **Eur J Appl Physiol** 1985;54(1):12-5

Neuromuscular, anaerobic, and aerobic performance characteristics of elite power athletes. Häkkinen K, et al. **Eur J Applied Physiol** 1984;53(2):97-105

Relationship between plasma renin activity and physical fitness in normal subjects. M'Buyamba-Kabangu JR, et al. **Eur J Applied Physiol** 1985;53(4):304-7

Fitness facilitates sleep. Shapiro CM, et al. **Eur J Applied Physiol** 1984;53(1):1-4

Performance changes in champion swimmers aged 30 to 84 years. Hartley AA, et al. **Exp Aging Res** 1984 Autumn; 10(3):141-50

Longitudinal trends in track and field performances. Stones MJ, et al. **Exp Aging Res** 1984 Summer;10(2):107-10

The type A behavior pattern, physical fitness, and psychophysiological reactivity. Lake BW, et al. **Health Psychol** 1985;4(2):169-87

Physical fitness and its relationship to postoperative recovery in abdominal hysterectomy patients. Schilling JA, et al. **Heart Lung** 1984 Nov;13(6):639-44

Metabolic and hormonal response to short term fasting after endurance training in the rat. Guezennec CY, et al. **Horm Metab Res** 1984 Nov;16(11):572-5

Comparison of pituitary responses to physical exercise in athletes and sedentary subjects. Rolandi E, et al. **Horm Res** 1985;21(4):209-13

Fitness program can raise name recognition among senior citizens. Powills S. **Hospitals** 1985 Aug 16;59(16):98

Aerobic fitness and serum high-density lipoprotein cholesterol in young children. Sady SP, et al. **Hum Biol** 1984 Dec;56(4):771-81

Body size, composition, and fitness in adolescents with elevated blood pressures. Wilson SL, et al. **Hypertension** 1985 May-Jun;7(3 Pt 1):417-22

Effect of preseason conditioning. High school football knee injuries. Cahill BR, et al. **IMJ** 1984 Nov;166(5):356-8

Policemen's physical fitness in relation to the frequency of leisure-time physical exercise. Smolander J, et al. **Int Arch Occup Environ Health** 1984;54(4):295-302

Health and aging characteristics of highly physically active 65-year-old men. Larsson B, et al. **Int J Sports Med** 1984 Dec;5(6):336-40

Anaerobic threshold during arm and leg exercises and cardiorespiratory fitness tests in a group of male and female students. Nikolic Z, et al. **Int J Sports Med** 1984 Dec; 5(6):330-5

Effects of physical activity and diet on lipemic risk factors for atherosclerosis in women. Reggiani E, et al. **Int J Sports Med** 1984 Aug;5(4):183-6

Effect of physical exercise and sleep deprivation on plasma androgen levels: modifying effect of physical fitness. Remes K, et al. **Int J Sports Med** 1985 Jun;6(3):131-5

The fitness opportunity for dietetic educators and practitioners. Wagstaff M, et al. **J Am Diet Assoc** 1984 Dec;84(12):1465-7

Social structure and intracohort variation in physical fitness among elderly males in a traditional Third World society. Beall CM, et al. **J Am Geriatr Soc** 1985 Jun;33(6):406-12

Endurance training in humans: aerobic capacity and structure of skeletal muscle. Hoppeler H, et al. **J Appl Physiol** 1985 Aug;59(2):320-7

Blood viscosity responses to maximal exercise in endurance-trained and sedentary female subjects. Martin DG, et al. **J Appl Physiol** 1985 Aug;59(2):348-53

Influence of catecholamine activity on the hierarchical relationships among physical fitness condition and selected personality characteristics. Sothmann MS, et al. **J Clin Psychol** 1984 Nov;40(6):1308-17

Changes in cardiovascular fitness following physical fitness classes. Rodnick JE, et al. **J Fam Pract** 1985 Apr; 20(4):367-71

The physical fitness of elderly Nepalese farmers residing in rugged mountain and flat terrain. Beall CM, et al. **J Gerontol** 1985 Sep;40(5):529-35

A nutrition-physical fitness intervention program for low-income black parents. Sullivan J, et al. **J Natl Med Assoc** 1985 Jan;77(1):39-43

Reduced disability and health care costs in an industrial fitness program. Bowne DW, et al. **J Occup Med** 1984 Nov; 26(11):807-16

Program for increasing health and physical fitness of fire fighters. Cady LD Jr, et al. **J Occup Med** 1985 Feb; 27(2):110-4

Physical fitness level and autonomic reactivity to psychosocial stress. Keller S, et al. **J Psychosom Res** 1984; 28(4):279-87

Sudden death in sport before and after introduction of the Basic Fitness Test. Lynch P, et al. **J R Army Med Corps** 1985 Feb;131(1):42-6

Exercise and health: participation and promotion by general practitioners. Chambers JS, et al. **J R Coll Gen Pract** 1985 Apr;35(273):189-91

Physical, psychological, social, and lifestyle differences among adolescents classified according to cigarette smoking intention status. Tucker LA. **J Sch Health** 1985 Apr;55(4):127-31

Decreased training frequency and pulmonary function retention in the female athlete. DeMeersman RE, et al. **J Sports Med Phys Fitness** 1984 Jun;24(2):155-8

Interval training: the effects of a 12-week programme on elite, pre-pubertal male soccer players. Mosher RE, et al. **J Sports Med Phys Fitness** 1985 Mar-Jun;25(1-2):5-9

Positional differences in physique and body composition among top level Indian women hockey players. Sidhu LS, et al. **J Sports Med Phys Fitness** 1984 Dec;24(4):337-42

Effects of seasonal training on physical and physiological function on elite varsity wrestlers. Song TM, et al. **J Sports Med Phys Fitness** 1984 Jun;24(2):123-30

Effects of aerobic dancing and walking on cardiovascular function and muscular strength in postmenopausal women. White MK, et al. **J Sports Med Phys Fitness** 1984 Jun; 24(2):159-66

Changes in running economy relative to VO2max during a cross-country season. Wilcox AR, et al. **J Sports Med Phys Fitness** 1984 Dec;24(4):321-6

Leads from the MMWR. Status of the 1990 physical fitness and exercise objectives. **JAMA** 1985 Oct 4;254(13):1694-7

Fitness of North Sea divers [letter] Thompson J, et al. **Lancet** 1984 Oct 6;2(8406):806

Nutritional profile of recruits to a fitness programme. Baghurst KI, et al. **Med J Aust** 1985 Sep 2;143(5):188-90

Haptoglobin and serum enzymatic response to maximal exercise in relation to physical fitness. Spitler DL, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):366-70

Physical fitness in the hospital setting. Barber LM Jr, et al. **Milit Med** 1985 May;150(5):278-82

Per cent body fat alone is a poor predictor of physical fitness. Slack MC, et al. **Milit Med** 1985 Apr;150(4):211-4

Status of the 1990 physical fitness and exercise objectives. **MMWR** 1985 Aug 30;34(34):521-4, 529-31

Health and fitness boom moves into corporate America. Brennan AJ. **Occup Health Saf** 1985 Jul;54(7):38-40, 42-5

Aerobic capacity, obesity, and atherosclerotic risk factors in male adolescents. Fripp RR, et al. **Pediatrics** 1985 May; 75(5):813-8

Gender differences in perceived physical self-efficacy among older individuals. Godin G, et al. **Percept Mot Skills** 1985 Apr;60(2):599-602

Comparison of dietary and smoking habit changes in physical fitness improvers and nonimprovers. Blair SN, et al. **Prev Med** 1984 Jul;13(4):411-20

Agreement of self-reported and physiologically estimated fitness status in a symptom-free population. Optenberg SA, et al. **Prev Med** 1984 Jul;13(4):349-54

Changes in plasma proenkephalin peptide F and catecholamine levels during graded exercise in men. Kraemer WJ, et al. **Proc Natl Acad Sci USA** 1985 Sep; 82(18):6349-51

Relationships between urinary catecholamine metabolites, particularly MHPG, and selected personality and physical fitness characteristics in normal subjects. Sothmann MS, et al. **Psychosom Med** 1984 Nov-Dec;46(6):523-33

National Children and Youth Fitness Study: its contribution to our national objectives [editorial] Brandt EN Jr, et al. **Public Health Rep** 1985 Jan-Feb;100(1):1-3

Physical activity, exercise, and physical fitness: definitions and distinctions for health-related research. Caspersen CJ, et al. **Public Health Rep** 1985 Mar-Apr;100(2):126-31

Physical activity and exercise to achieve health-related physical fitness components. Haskell WL, et al. **Public Health Rep** 1985 Mar-Apr;100(2):202-12

Cardiovascular fitness program: factors associated with participation and adherence. Mirotznik J, et al. **Public Health Rep** 1985 Jan-Feb;100(1):13-8

Effect of physical fitness and body composition on sleep and sleep-related hormone concentrations. Paxton SJ, et al. **Sleep** 1984;7(4):339-46

Social selection in human populations: deterministic analyses on the modification of the fitness of offspring by affected parents. Yokoyama S, et al. **Soc Biol** 1983 Summer; 30(2):181-8

Exercise testing for cardiorespiratory fitness. Hammond HK, et al. **Sports Med** 1984 May-Jun;1(3):234-9

The role of physical activity in disease prevention and treatment. Yeater RA, et al. **W Va Med J** 1985 Feb; 81(2):35-9

The disuse syndrome. Bortz WM 2d. **West J Med** 1984 Nov; 141(5):691-4

Healthy exercise. Oberman A. **West J Med** 1984 Dec; 141(6):864-71 (62 ref.)

[Isopotential ECG mapping at rest and after loading in a control group, in leading runners and in patients with ischemic heart disease] Brodan V, et al. **Cas Lek Cesk** 1984 Jul 20;123(29):893-8 (Eng. Abstr.) **(Cze)**

[Determination of the anaerobic threshold with regard to the individual functional state using changes within the parameters of the acid-base equilibrium] Bunc V, et al. **Cas Lek Cesk** 1984 Jul 20;123(29):899-903 (Eng. Abstr.) **(Cze)**

[Comparison of the physical fitness of forestry workers who work with portable power saws and heavy machinery] Novák J, et al. **Cas Lek Cesk** 1985 Jun 21;124(25):787-90 (Eng. Abstr.) **(Cze)**

[The response of plasma catecholamines in increased loading of trained runners and controls] Veselková A, et al. **Cas Lek Cesk** 1985 Feb 15;124(7):205-9 (Eng. Abstr.) **(Cze)**

[Physical inactivity among young adults. An interview of the health activities in 917 individuals aged 25-44 years] Holt P, et al. **Ugeskr Laeger** 1984 Oct 15;146(42):3219-23 (Eng. Abstr.) **(Dan)**

[Assessment of physical condition and the effects of training] Vuori I. **Duodecim** 1984;100(21):1480-94 **(Fin)**

[Electrocardiographic monitoring of athletes. The electrocardiogram and fitness for sports] Broustet JP, et al. **Rev Med Suisse Romande** 1984 Oct;104(10):807-14 **(Fre)**

[Aptitude for physical exercise in nonathletic 9 to 12-year-old Tunisian children] Jeddi E, et al. **Tunis Med** 1983 Nov-Dec;61(6):421-9 (Eng. Abstr.) **(Fre)**

[Is the alpha adrenergic receptor density increased in intact thrombocytes in non-isometric trained athletes?] Lehmann M, et al. **Klin Wochenschr** 1984 Oct 15;62(20):992-5 (Eng. Abstr.) **(Ger)**

[Conjugated plasma catecholamines are lower in power athletes at rest and in physical work than in untrained probands] Lehmann M, et al. **Klin Wochenschr** 1985 Jan 2;63(1):37-42 (Eng. Abstr.) **(Ger)**

[Initial results of experimental studies on the determination of continuous work physiology performance limit of adolescents] Pfister E, et al. **Padiatr Grenzgeb** 1985; 24(1):61-4 (Eng. Abstr.) **(Ger)**

[Theoretical aspects of the assessment of ability and fitness within the scope of the evaluation of the individual health status of adolescent workers] Reum PJ, et al. **Padiatr Grenzgeb** 1985;24(1):53-9 (Eng. Abstr.) **(Ger)**

[Effect of a carbohydrate diet on the physical fitness and metabolism regulation in highly trained marathon runners] Doreste J, et al. **Schweiz Z Sportmed** 1985 Jun;33(2):47-52 (Eng. Abstr.) **(Ger)**

[Fitness and suitability from the military medicine viewpoint] Hollenbach K, et al. **Z Arztl Fortbild (Jena)** 1985;79(1):25-9 **(Ger)**

[Total fitness for the workers in highly industrialized countries from the standpoint of occupational medicine] Aoyama H. **Ann Physiol Anthropol** 1984 Oct;3(4):337-9 **(Jpn)**

[Physical strength in industrialized society--from the viewpoint of physical activity science] Kagaya H. **Ann Physiol Anthropol** 1984 Oct;3(4):334-6 **(Jpn)**

[Health fitness program at Osaka Gas] Okada K. **Ann Physiol Anthropol** 1984 Oct;3(4):340-2 **(Jpn)**

[Research on the physical fitness, a viewpoint of minor enterprises] Ueya E. **Ann Physiol Anthropol** 1984 Oct; 3(4):343-5 **(Jpn)**

[A study on the relation between CMI and physical fitness among high school girls] Sakamaki T, et al. **Nippon Ika Daigaku Zasshi** 1985 Apr;52(2):217-21 **(Jpn)**

[A statistical approach to measure fitness by PWC170] Matsui K, et al. **Sangyo Ika Daigaku Zasshi** 1984 Jun 1;6(2):163-70 (Eng. Abstr.) **(Jpn)**

[Coronary bypass operation and its effect on the level of function. A review of the literature] Meyer-Myklestad L. **Tidsskr Nor Laegeforen** 1984 Oct 30;104(30):2078-82 (39 ref.) **(Nor)**

[Epilepsy and physical fitness] Nakken KO, et al. **Tidsskr Nor Laegeforen** 1985 Jun 10;105(16):1136-8 (Eng. Abstr.) **(Nor)**

[Patients with multiple sclerosis among the Lódź population. II. Clinical course of the disease and patient fitness] Drabkowska-Kaczmarek A, et al. **Neurol Neurochir Pol** 1985 Jan-Feb;19(1):9-15 (Eng. Abstr.) **(Pol)**

[Evaluation of physical fitness of children with lymphoblastic leukemia after completion of intensive treatment] Duczmal-Szewczuk B, et al. **Pediatr Pol** 1985 Jan; 60(1):39-44 (Eng. Abstr.) **(Pol)**

[Physical fitness of patients with coronary disease and normal electrocardiogram at rest and adrenergic system function] Przegaliński J, et al. **Pol Tyg Lek** 1985 Feb 4;40(5):121-4 **(Pol)**

[Effect of menstrual bleeding on the physical fitness of women and the problem of using selected psychomotor parameters in the study of this effect] Brodziński W. **Wiad Lek** 1985 Jan 1;38(1):35-9 (35 ref.) (Eng. Abstr.) **(Pol)**

[Factor analysis of selected psychomotor indicators in the study of the effect of menstrual bleeding on the physical fitness of women] Brodziński W. **Wiad Lek** 1984 Sep 1; 37(17):1331-5 (Eng. Abstr.) **(Pol)**

[Physical fitness of patients with coronary disease during rehabilitation at a sanatorium] Markiewicz M, et al. **Wiad Lek** 1985 Apr 1;38(7):473-9 (Eng. Abstr.) **(Pol)**

[Evaluation of the chrono- and inotropic functions of the heart at different degrees of physical training of the body] Aksenov VV, et al. **Fiziol Cheloveka** 1985 Jan-Feb; 11(1):96-101 **(Rus)**

[Effect of excess fat in the body on the physical work capacity of students] Iurimiaé TA, et al. **Fiziol Cheloveka** 1984 May-Jun;10(3):440-4 **(Rus)**

[Effect of short-term thermal adaptation on indices of physical work capacity] Kachanovskiĭ KN. **Fiziol Cheloveka** 1984 Jan-Feb;10(1):163-5 **(Rus)**

[Anthropometric indices and physical work capacity] Ketkin AT, et al. **Fiziol Cheloveka** 1984 Jan–Feb;10(1):112–6 **(Rus)**

[External respiratory and circulatory functions determining and limiting human physical work capacity] Krasnikov NP. **Fiziol Cheloveka** 1984 Nov–Dec;10(6):1036–41 **(Rus)**

[Work capacity and hemodynamics of men living at median and high latitudes] Matveev LN. **Fiziol Cheloveka** 1985 Jan–Feb;11(1):113–20 **(Rus)**

[Changes in the biopotential ratio of brain areas at different levels of work capacity] Petrov IuA. **Fiziol Cheloveka** 1984 May–Jun;10(3):370–4 **(Rus)**

[Functional state during work activity, work capacity and human health] Solonin IuG, et al. **Fiziol Cheloveka** 1984 Jan–Feb;10(1):66–71 **(Rus)**

[Adaptive potentialities and physical preparedness in rural school children] Kiselev LV. **Gig Sanit** 1985 Apr;(4):51–4 (Eng. Abstr.) **(Rus)**

[Interrelation of cardiovascular function and the level of general physical work capacity in practically healthy men of different ages and the possibilities for their prediction] Pirogova EA. **Ter Arkh** 1985;57(1):31–4 (Eng. Abstr.) **(Rus)**

[Physical and occupational work capacity of surgical patients with pale-type congenital heart defects] Gritsenko VV, et al. **Vestn Khir** 1984 Oct;133(10):13–7 (Eng. Abstr.) **(Rus)**

[Effect of a motor regimen on the physical work capacity of sailors during the postcruise rest period] Bobrov IuM, et al. **Voen Med Zh** 1985 Jun;(6):68–71 **(Rus)**

[The effect of military training on maximal oxygen consumption, general muscle strength and body mass of female soldiers] Dimitrijević B, et al. **Vojnosanit Pregl** 1984 Sep–Oct;41(5):393–6 (Eng. Abstr.) **(Scr)**

[Relation of COHb to physical fitness and lipid metabolism parameters in recruits] Vokál E, et al. **Cesk Zdrav** 1984 Sep;32(8–9):349–55 (Eng. Abstr.) **(Slo)**

[Effects of orthostatism on heart rate and arterial pressure in sedentary subjects and in those in good physical condition] Rivera Cisneros AE, et al. **Arch Inst Cardiol Mex** 1984 Nov–Dec;54(6):585–92 (Eng. Abstr.) **(Spa)**

PHYSICAL MEDICINE

see related
BIOMECHANICS

Academy presidential address. What does the Academy do for me? Grant AE. **Arch Phys Med Rehabil** 1985 May;66(5):277–9

Factors influencing referral decisions in physiatry. Kwon IW, et al. **Arch Phys Med Rehabil** 1985 Jul;66(7):415–9

The challenge of multi-disciplinary studies. Shephard RJ. **J Sports Med Phys Fitness** 1984 Jun;24(2):83–9

[Manual medicine: an ancient discipline with a future] De Neve M. **Acta Belg Med Phys** 1984 Jul–Sep;7(3):73–4 **(Mul)**

EDUCATION

Educational goals and objectives in physical medicine and rehabilitation for the medical school graduate [editorial] Demopoulos JT. **Arch Phys Med Rehabil** 1985 Jan;66(1):1–2

METHODS

Statistical methods in rehabilitation research. Wainapel SF, et al. **Arch Phys Med Rehabil** 1985 May;66(5):322–4

TRENDS

Preparing for the 1990's: a challenge to the specialty of PM&R. Lane ME. **Arch Phys Med Rehabil** 1984 Nov;65(11):740–1

[Current problems of physicochemical medicine] Lopukhin IuM, et al. **Vestn Akad Med Nauk SSSR** 1984;(12):58–62 (Eng. Abstr.) **(Rus)**

PHYSICAL STIMULATION

An alertness decrement hypothesis of response inhibition to repeatedly presented stimuli. Cecil LS, et al. **Am J Psychol** 1984 Fall;97(3):391–8

Manual stimulation of reflex voiding after spinal cord injury. Cardenas DD, et al. **Arch Phys Med Rehabil** 1985 Jul;66(7):459–62

An assessment of the antinociceptive and aversive effects of stimulating identified sites in the rat brain. Prado WA, et al. **Brain Res** 1985 Aug 12;340(2):219–28

Factors affecting delayed walking skill in malnourished children. Ojofeitimi EO, et al. **Child Abuse Negl** 1984;8(3):369–72

Stimulation in the NICU: is more necessarily better? Linn PL, et al. **Clin Perinatol** 1985 Jun;12(2):407–22 (58 ref.)

Factors affecting intracranial pressure: a descriptive study. Boortz-Marx R. **J Neurosurg Nurs** 1985 Apr;17(2):89–94

The influence of stimulus type and stimulus strength on the silent period in human masticatory muscles. Kroon GW, et al. **J Oral Rehabil** 1984 Nov;11(6):547–54

Responses of cerebellar Purkinje cells to mechanical perturbations during locomotion of decerebrate cats. Matsukawa K, et al. **Neurosci Res** 1985 Jun;2(5):393–8

Characteristics of uterine activity during the breast stimulation stress test. Hill WC, et al. **Obstet Gynecol** 1984 Oct;64(4):489–92

Pain in infancy: neonatal reaction to a heel lance. Owens ME, et al. **Pain** 1984 Sep;20(1):77–86

[Children at risk, handicapped children: early and pragmatic assistance] Aimard P. **Rev Laryngol Otol Rhinol (Bord)** 1983;104(4):351–4 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

A stimulator for moving textured surfaces sinusoidally across the skin. Goodwin AW, et al. **J Neurosci Methods** 1985 Jul;14(2):121–5

METHODS

The influence of induced micromovement upon the healing of experimental tibial fractures. Goodship AE, et al. **J Bone Joint Surg [Br]** 1985 Aug;67(4):650–5

An objective sequential compression test to evaluate the patency of the radial and ulnar arteries. Fronek A, et al. **J Vasc Surg** 1985 May;2(3):450–2

Two separate components of pain produced by the submaximal effort tourniquet test. Pertovaara A, et al. **Pain** 1984 Sep;20(1):53–8

PHYSICAL THERAPY

Effectiveness of acupuncture and physiotherapy on myogenic headache: a comparative study. Ahonen E, et al. **Acupunct Electrother Res** 1984;9(3):141–50

Epidural anesthesia for extracorporeal shock wave lithotripsy. Duvall JO, et al. **Anesth Analg** 1985 May;64(5):544–6

Electromyographic biofeedback and physical therapy of the hemiplegic upper limb. Inglis J, et al. **Arch Phys Med Rehabil** 1984 Dec;65(12):755–9

Chronic pain and the physiatrist. Wainapel SF. **Arch Phys Med Rehabil** 1985 Mar;66(3):195–6

Assessing physiotherapy effectiveness. Process/outcome studies. Truscott B. **Aust Clin Rev** 1984 Sep;(14):21–4

Physiotherapy management of marathon musculo-skeletal casualties. MacDonald R. **Br J Sports Med** 1984 Dec;18(4):283–5

Chest physiotherapy in primary pneumonia. Britton S, et al. **Br Med J [Clin Res]** 1985 Jun 8;290(6483):1703–4

Chest physiotherapy in primary pneumonia [letter] Stapleton T. **Br Med J [Clin Res]** 1985 Jul 13;291(6488):143

Chest percussion and postural drainage in patients with bronchiectasis. Mazzocco MC, et al. **Chest** 1985 Sep;88(3):360–3

The use of physical agents in rehabilitation of athletic injuries. Hillman SK, et al. **Clin Sports Med** 1985 Jul;4(3):431–8

Early physiotherapy in the treatment of spastic diplegia. Kanda T, et al. **Dev Med Child Neurol** 1984 Aug;26(4):438–44

Inefficiency of chest percussion in the physical therapy of chronic bronchitis. Wollmer P, et al. **Eur J Respir Dis** 1985 Apr;66(4):233–9

Cervical pain and mobilization. Brodin H. **Int J Rehabil Res** 1984;7(2):190–1

Grading of muscle power: comparison of MRC and analogue scales by physiotherapists. Medical Research Council. John J. **Int J Rehabil Res** 1984;7(2):173–81

Impact of an engineered physical therapy program for the elderly. Satterfield MJ, et al. **Int J Rehabil Res** 1984;7(2):151–62

Therapy after stroke: amounts, determinants and effects. Wade DT, et al. **Int Rehabil Med** 1984;6(3):105–10

Comparing physical and behavior therapy for chronic low back pain on physical abilities, psychological distress, and patients' perceptions. Heinrich RL, et al. **J Behav Med** 1985 Mar;8(1):61–78

Goniometric reliability for a child with spastic quadriplegia. Harris SR, et al. **J Pediatr Orthop** 1985 May–Jun;5(3):348–51

Chronic hyperventilation and its treatment by physiotherapy: discussion paper. Cluff RA. **J R Soc Med** 1984 Oct;77(10):855–62

Treatment of low-back pain [letter] Meade TW, et al. **JAMA** 1985 Feb 22;253(8):1122–3

An open study of diflunisal, conservative and manipulative therapy in the management of acute mechanical low back pain. Waterworth RF, et al. **NZ Med J** 1985 May 22;98(779):372–5

Electrical stimulation for strengthening [letter] Balogun JA. **Phys Ther** 1985 Sep;65(9):1394, 1396, 1399

Perceived role responsibilities of physical therapists and adapted physical educators in the public school setting. Blumenkopf M, et al. **Phys Ther** 1985 Jul;65(7):1046–51

Application of 24-hour burst TENS in a back school. Brill MM, et al. **Phys Ther** 1985 Sep;65(9):1355–7

Investigation of a new motor assessment scale for stroke patients. Carr JH, et al. **Phys Ther** 1985 Feb;65(2):175–80

Kinesiology versus biomechanics. A perspective. Cerny K. **Phys Ther** 1984 Dec;64(12):1809

Physical therapist role satisfaction in the treatment of the spinal cord-injured person. Curtis KA. **Phys Ther** 1985 Feb;65(2):197–200

Basic requirements for initiating an interdisciplinary process. Darling LA, et al. **Phys Ther** 1984 Nov;64(11):1684–6

Psychobiological adaptation model for physical therapy practice. Dean E. **Phys Ther** 1985 Jul;65(7):1061–8

Biomechanics in clinical practice. Deusinger RH. **Phys Ther** 1984 Dec;64(12):1860–8

Evaluating research literature: the educated clinician. Domholdt EA, et al. **Phys Ther** 1985 Apr;65(4):487–91

Device for stretching the hamstring muscles. Suggestion from the field. Dubuc WE, et al. **Phys Ther** 1985 Mar;65(3):352–3

Effects of mental practice on balance in elderly women. Fansler CL, et al. **Phys Ther** 1985 Sep;65(9):1332–8

Wedge maneuver message [letter] Fernando CK. **Phys Ther** 1985 Sep;65(9):1399–400

Factors to consider in the rehabilitation aspect of burn care. Giuliani CA, et al. **Phys Ther** 1985 May;65(5):619–23

Using feedback and evaluation effectively in clinical supervision. Model for interaction characteristics and strategies. Henry JN. **Phys Ther** 1985 Mar;65(3):354–7

Identifying problems in clinical problem solving. Perceptions and interventions with nonproblem-solving clinical behaviors. Henry JN. **Phys Ther** 1985 Jul;65(7):1071–4

Contributions of behavior modification to cerebral palsy habilitation. Hill LD. **Phys Ther** 1985 Mar;65(3):341–5

Evaluating the adult with cerebral palsy for specialized adaptive seating. Hundertmark LH. **Phys Ther** 1985 Feb;65(2):209–12

Statistical software packages for physical therapists. STATPAK for the IBM PC. Krebs DE. **Phys Ther** 1985 Aug;65(8):1243–4

Physical therapy treatment of a patient with a conversion reaction. A case report. MacKinnon JL. **Phys Ther** 1984 Nov;64(11):1687–8

Unilateral traction in conjunction with heat modalities, proper positioning, and exercises for a herniated nucleus pulposus. A case report. Manus-Garlinghouse N. **Phys Ther** 1985 Aug;65(8):1208–10

Incidence of work-related low back pain in physical therapists. Molumphy M, et al. **Phys Ther** 1985 Apr;65(4):482–6

Reliability of goniometric measurements in patients with Duchenne muscular dystrophy. Pandya S, et al. **Phys Ther** 1985 Sep;65(9):1339–42

Effects of an inverted position on blood pressure, pulse rate, and deep tendon reflexes of healthy young adults. Rheault W, et al. **Phys Ther** 1985 Sep;65(9):1358–62

The 1984 presidential address. Robert W. Richardson. President, American Physical Therapy Association. Richardson RW. **Phys Ther** 1984 Nov;64(11):1693–6

Personality characteristics and expressed career choice of graduating physical therapy students. Rovezzi-Carroll S, et al. **Phys Ther** 1984 Oct;64(10):1549–52

Biomechanics and physical therapy. A perspective. Smidt GL. **Phys Ther** 1984 Dec;64(12):1807–8

Physical therapists' notes and outcomes of physical therapy. A case of insufficient evidence. Steffen TM. et al. **Phys Ther** 1985 Feb;65(2):213–7

Effects of a wrapping technique on passive range of motion in a spastic upper extremity. Twist DJ. **Phys Ther** 1985 Mar;65(3):299–304

Physician knowledge and utilization of physical therapy procedures. Uili RM, et al. **Phys Ther** 1984 Oct;64(10):1523–30

Efficacy of physical therapy for patients who have undergone mastectomies. A prospective study. Wingate L. **Phys Ther** 1985 Jun;65(6):896–900

Reduction of a lumbar disk lesion using the wedge maneuver. A clinical report. Woodman R, et al. **Phys Ther** 1985 Mar;65(3):346–50

Acute knee injury. How to determine if the knee is stable. Zeman SC. **Postgrad Med** 1984 Dec;76(8):38–46

Information and regime at low back pain. Lindequist S, et al. **Scand J Rehabil Med** 1984;16(3):113–6

Physical and occupational therapy for arthritis. Simpson CF. **West J Med** 1985 Apr;142(4):562–4

[Continuing training of patients with advanced ankylosing spondylitis] Hørslev-Petersen K, et al. **Ugeskr Laeger** 1985 Jan 7;147(2):99–101 (Eng. Abstr.) **(Dan)**

[Treatment of Duchenne's myopathy with early physiotherapy. Critical analysis] Rideau Y. **Arch Fr Pediatr** 1985 Jan;42(1):17–21 (Eng. Abstr.) **(Fre)**

[Indications and value of physical therapy for osteoarticular and neurologic diseases] Meier JL, et al. **Rev Med Suisse Romande** 1984 Jul;104(7):563–7 **(Fre)**

[Performance of kinesitherapy by parents in the treatment of cystic fibrosis] Remondière R. **Rev Pneumol Clin** 1984;40(6):377–82 (Eng. Abstr.) **(Fre)**

[A physical therapist at the America's Cup in 1983] Blondelle P, et al. **Union Med Can** 1984 Aug;113(8):637–9 (Eng. Abstr.) **(Fre)**

[Physical and exercise therapy in aged patients with peripheral arterial circulatory disorders] Köhler M. **Z Gerontol** 1985 Jan–Feb;18(1):17–21 (Eng. Abstr.) **(Ger)**

[Need for physical therapy in the rehabilitation of oligophrenic adolescents and adults] Herrfurth R, et al. **Z Gesamte Hyg** 1985 Feb;31(2):126–7 (Eng. Abstr.) **(Ger)**

[Arteriosclerosis, lipid pattern and physical activity. Effect of functional rehabilitation on blood lipid values in a group of patients with neuromotor lesions] Storaci R, et al. **Minerva Med** 1985 Jun 8;76(24):1137–41 (Eng. Abstr.) **(Ita)**

[Role of health resort treatment of duodenal ulcer after selective proximal vagotomy] Viliavin GD, et al.

Sov Med 1984;(7):72-5 **(Rus)**

[Theory of functional systems and its role in the solution of problems of medical climatology] Boksha VG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):11-5 (Eng. Abstr.) **(Rus)**

[Efficacy of health resort treatment of secondary infertility following tubal pregnancy] Borovskaia VD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun;(3):29-32 (Eng. Abstr.) **(Rus)**

[Temperature of deep-layer tissue during physiotherapy] Gustov AV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr;(2):56-7 **(Rus)**

[Development of studies on the functional system in health resort science and physiotherapy] Krylov OA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):1-7 (Eng. Abstr.) **(Rus)**

[Physical therapy methods in proctology] Lapshin VP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Nov-Dec;(6):57-60 **(Rus)**

[Function of the central nervous system in patients with lesions of the peripheral nervous system during complex sanatorium-health resort treatment. II] Miashka VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr;(2):23-6 (Eng. Abstr.) **(Rus)**

[Theoretical bases of physical therapy] Moshkov VN. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Nov-Dec;(6):52-5 **(Rus)**

[Activities of the Sochi Institute of Health Resorts and Physiotherapy with regard to improving physiotherapeutic services] Rusina NV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):65-6 **(Rus)**

[Use of physical factors in the late postoperative period after surgical treatment of ischemic heart disease] Sorokina EI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun;(3):8-10 (Eng. Abstr.) **(Rus)**

[Analysis of various problems of physical therapy in relation to the theory of functional systems] Ulashchik VS. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Sep-Oct;(5):7-11 (Eng. Abstr.) **(Rus)**

[Mechanism of the therapeutic effect of physiotherapeutic factors in duodenal ulcer] Zolotovitskaia AE, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr;(2):31-4 (Eng. Abstr.) **(Rus)**

[Complex treatment of patients with chronic prostatitis at the Truskavets health resort] Burkovskii DV, et al. **Vrach Delo** 1985 Apr;(4):77-8 **(Rus)**

[The effect of 3 weeks of functional therapy on the functional capacity of the cardiovascular system in patients with ankylosing spondylitis] Vidmar J. **Reumatizam** 1984;31(5-6):111-3 (Eng. Abstr.) **(Scr)**

[Effect of physical therapy procedures on vertebral pain] Thurzová E. **Bratisl Lek Listy** 1985 Jul;84(1):98-104 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Physiotherapy and ill-effects [letter] Sidey JD. **Med J Aust** 1985 Jan 21;142(2):166-7

EDUCATION

Continuing education--meeting therapists' needs. Kelley WJ. **Dimens Health Serv** 1983 Oct;60(10):37-8

Gerontological instruction in entry-level physical therapy education. Strasburg DM. **Gerontol Geriatr Educ** 1984 Summer;4(4):65-73

Comparative study of physiotherapy educators in Great Britain, Nigeria and the United States. Nwuga VC. **Int J Rehabil Res** 1984;7(4):419-25

Learning preferences, values, and student satisfaction. Barris R, et al. **J Allied Health** 1985 Feb;14(1):13-23

Physiotherapy education [letter] Lamont MK. **NZ Med J** 1985 Mar 13;98(774):160

Mentorship: a relationship important to professional development. A special communication. Bohannon RW. **Phys Ther** 1985 Jun;65(6):920-3

Acceptance of physical therapist assistant course work by programs preparing physical therapists. Brooks BA. **Phys Ther** 1985 Jan;65(1):48-50

Beyond lecture and laboratory in the physical therapy classroom. Day JA. **Phys Ther** 1985 Aug;65(8):1214-6

Competencies in biomechanics for the physical therapist. Suggestion for entry-level curricula. Devine KL. **Phys Ther** 1984 Dec;64(12):1883-5

Chapter-organized community support of entry-level physical therapy education. A special communication. Grattan MP, et al. **Phys Ther** 1985 Jun;65(6):929-31

Obstetrics in the physical therapy curriculum. Hulme JB, et al. **Phys Ther** 1985 Jan;65(1):51-3

Clinical experience and cognition of a physical therapy procedure. Marcoux B, et al. **Phys Ther** 1984 Oct;64(10):1545-8

Using home video equipment for the handicapped child. Suggestion from the field. Michael B. **Phys Ther** 1984 Nov;64(11):1691

Physical therapy competencies in rheumatology. Moncur C. **Phys Ther** 1985 Sep;65(9):1365-72

Effect of videotape replay on the quality and accuracy of student self-evaluation. Palmer PB, et al. **Phys Ther** 1985 Apr;65(4):497-501

Assessment of resident physicians' knowledge of physical therapy. Stanton PE, et al. **Phys Ther** 1985 Jan;65(1):27-30

Modified essay question. Stratford P, et al. **Phys Ther** 1985 Jul;65(7):1075-9

[Methods for improving the process of teaching physiotherapy in the internal medicine department] Boĭko EV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun;(3):68-9 **(Rus)**

HISTORY

[Gynecologic physiotherapy] Caffaratto TM. **Minerva Ginecol** 1984 Nov;36(11):755-7 **(Ita)**

[I.M. Sechenov Yalta Institute--70th anniversary] Iatsozhinskiĭ IuD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun;(3):51-3 **(Rus)**

[Physical therapy during World War II] Moshkov VN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr;(2):4-6 **(Rus)**

[A.E. Shcherbak and his role in the development of Soviet physiotherapy] Tykochinskaia ED. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 May-Jun;(3):53-4 **(Rus)**

[History of development of physiotherapy in the Ukraine] Kents VV, et al. **Vrach Delo** 1985 Apr;(4):115-9 **(Rus)**

[60th anniversary of the Byelorussian Scientific-Research Institute of Neurology, Neurosurgery and Physiotherapy] Antonov IP, et al. **Zh Nevropatol Psikhiatr** 1985;85(6):911-4 **(Rus)**

INSTRUMENTATION

Continuous passive motion (C.P.M.) following total knee replacement. Fisher RL, et al. **Conn Med** 1985 Aug;49(8):498-501

Fluidotherapy and exercise in the management of sickle cell anemia. A clinical report. Alcorn R, et al. **Phys Ther** 1984 Oct;64(10):1520-2

Rolling board for treatment and evaluation of neurologically involved patients. Suggestion from the field. Bohannon RW, et al. **Phys Ther** 1984 Oct;64(10):1543

Quantitative description of two sitting postures. With and without a lumbar support pillow. Majeske C, et al. **Phys Ther** 1984 Oct;64(10):1531-5

MANPOWER

Provision of remedial therapists in geriatric medicine. Andrews K, et al. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):661

Need for physiatrists never greater than now [news] Glasbrenner K. **JAMA** 1985 Jul 12;254(2):193-4

METHODS

Hydrotherapy by physiotherapists in a community health centre. Jagger M, et al. **Aust Fam Physician** 1984 Dec;13(12):878-81

Does chest physical therapy work? Kirilloff LH, et al. **Chest** 1985 Sep;88(3):436-44 (35 ref.)

Some guidelines for the use of physical modalities. Bruno J. **Clin Podiatry** 1984 Aug;1(2):295-9

Therapeutic modalities and procedures. Part III: Kinetic procedures, surgical considerations, direct and alternating currents. Helfand AE, et al. **Clin Podiatry** 1984 Aug;1(2):323-41

Therapeutic modalities and procedures. Part I: Cold and Heat. Helfand AE, et al. **Clin Podiatry** 1984 Aug;1(2):301-13

A parent-centred approach to physiotherapy for their handicapped children. von Wendt L, et al. **Dev Med Child Neurol** 1984 Aug;26(4):445-8

How effective are physiotherapeutic programmes with young mentally retarded children who have cerebral palsy? Parette HP Jr, et al. **J Ment Defic Res** 1984 Sep;28 (Pt 3):167-75

Clinical application of basic research on continuous passive motion for disorders and injuries of synovial joints: a preliminary report of a feasibility study. Salter RB, et al. **J Orthop Res** 1984;1(3):325-42

Behavioral physical therapy and spina bifida: a case study. Rapport MD, et al. **J Pediatr Psychol** 1985 Mar;10(1):87-96

Preoperative manual detorsion of the torsed spermatic cord. Cattolica EV. **J Urol** 1985 May;133(5):803-5

The Hydrocollator steam pack revisited. Kopstein E. **Laryngoscope** 1985 Aug;95(8):1006-7

Developing effective questionnaires. Bork CE, et al. **Phys Ther** 1985 Jun;65(6):907-11

Nuclear shifting [letter] DonTigny RL. **Phys Ther** 1985 Aug;65(8):1236, 1238

Pelvic tilt. Intratester reliability of measuring the standing position and range of motion. Gajdosik R, et al. **Phys Ther** 1985 Feb;65(2):169-74

One method for assessing the effectiveness of fast brushing. Mason CR. **Phys Ther** 1985 Aug;65(8):1197-1202

Clinical reasoning process in physical therapy. Payton OD. **Phys Ther** 1985 Jun;65(6):924-8

Improvement in isometric strength of the quadriceps femoris muscle after training with electrical stimulation. Selkowitz DM. **Phys Ther** 1985 Feb;65(2):186-96

Extracorporeal shock-wave lithotripsy of kidney and ureteric stones. Schmiedt E, et al. **Urol Int** 1984;39(4):193-8

[Exteroceptive facilitation technics in the rehabilitation of very weak paretic muscles] Gieseler VO, et al. **Acta Belg Med Phys** 1985 Jan-Mar;8(1):77-82 (Eng. Abstr.) **(Dut)**

[Physical medicine and sports] Sion D. **LARC Med** 1984 Nov;4(9):568-70 **(Fre)**

[Rehabilitation of the distal joints of the upper limbs in traumatology] Kohler R. **Rev Med Suisse Romande** 1984 Dec;104(12):1021-5 **(Fre)**

[Physical therapy in respiratory diseases] Cegla UH. **Fortschr Med** 1985 Jun 20;103(23):619-21 (Eng. Abstr.) **(Ger)**

[Physical therapy in tumor patients. Possible treatment procedures and their indications] Eigler E. **Fortschr Med** 1984 Nov 15;102(42):1082-4 (Eng. Abstr.) **(Ger)**

[Positioning, care and physical therapy in severely burned patients] Berger A. **Langenbecks Arch Chir** 1984;364:219-22 (Eng. Abstr.) **(Ger)**

[PNF--proprioceptive neuromuscular facilitation] Egger B. **Schweiz Rundsch Med Prax** 1985 Jul 30;74(30-31):818-22 (Eng. Abstr.) **(Ger)**

[Physical therapy measures in multiple sclerosis] Fischbach R. **Wien Med Wochenschr** 1985 Jan 31;135(1-2):46-8 (Eng. Abstr.) **(Ger)**

[Various viewpoints on the prescription of ambulatory physical therapy with special reference to the specialist in general medicine] Steinberg R, et al. **Z Arztl Fortbild (Jena)** 1984;78(19):805-8 **(Ger)**

[Conservative and operative treatment of the funnel chest] Morger R. **Z Kinderchir** 1984 Oct;39(5):302-4 (Eng. Abstr.) **(Ger)**

[The value of 'alternative medicine' (letter)] **Orv Hetil** 1985 Apr 14;126(15):939 **(Hun)**

[Functional retraining in osteosynthesis of the femur] Pescatori E, et al. **Chir Ital** 1982 Jun;34(3):455-60 (Eng. Abstr.) **(Ita)**

[Physiokinesitherapeutic management of traumatic lesions of the brachial plexus. Indications and results] Gusso MI, et al. **Minerva Med** 1985 Mar 31;76(13):635-40 (Eng. Abstr.) **(Ita)**

[Hematoma of the sternocleidomastoid. Results of a non-invasive treatment in newborn infants] Chiandotto V, et al. **Pediatr Med Chir** 1984 May-Jun;6(3):405-9 (Eng. Abstr.) **(Ita)**

[A case of spastic diplegia treated by the Vojta procedure in early infancy with a remarkable effect. A comparison with 66 spastic diplegia children] Kanda T, et al. **No To Hattatsu** 1984 Jul;16(4):290-300 (Eng. Abstr.) **(Jpn)**

[Use of physical methods of action in a system of staged combined rehabilitative treatment of retinal phlebothrombosis] Palamarchuk GS. **Oftalmol Zh** 1984;(7):386-9 (Eng. Abstr.) **(Rus)**

[Experience in using physiotherapy in periodontitis in children] Lapidus EIa. **Stomatologiia (Mosk)** 1984 Nov-Dec;63(6):53-5 (Eng. Abstr.) **(Rus)**

[Methodological bases of the general theory of physical therapy] Frenkel' ID. **Vopr Kurortol Fizioter Lech Fiz Kult** 1984 Jul-Aug;(4):1-6 **(Rus)**

[Treatment of movement disorders in children with cerebral palsy] Tekorius VV. **Zh Nevropatol Psikhiatr** 1984;84(10):1502-5 (Eng. Abstr.) **(Rus)**

[Extracorporeal renal lithofragmentation by shock waves in the treatment of renal lithiasis. Current results on 1,050 patients] Ruiz de Burgos JE. **Actas Urol Esp** 1984 Jul-Aug;8(4):259-64 (Eng. Abstr.) **(Spa)**

[Alternatives to the surgery of lithiasis. Extracorporeal lithotripsy using shock waves] Ruiz Marcellán FJ, et al. **Actas Urol Esp** 1984 Jul-Aug;8(4):247-52 (15 ref.) (Eng. Abstr.) **(Spa)**

SUPPLY & DISTRIBUTION

What would physiotherapists in geriatric medicine do if they had more staff? Andrews K. **Int Rehabil Med** 1985;7(2):85-6

TRENDS

Working to restore and develop abilities offers unique challenge [news] Glasbrenner K. **JAMA** 1985 Jul 12;254(2):187-9

Nineteenth Mary McMillan lecture. Michels E. **Phys Ther** 1984 Nov;64(11):1697-704

[Principles of current physical therapy] Bogoliubov VM, et al. **Klin Med (Mosk)** 1984 Aug;62(8):5-9 **(Rus)**

[Recommendations of the 4th All-Union Congress of Physiotherapists and Health Resort Specialists] **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):1-5 **(Rus)**

[Cooperation with scientists of East Germany in health resort science and physiotherapy] Bogoliubov VM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr;(2):6-9 **(Rus)**

[Health resort treatment and physical therapy in Poland] Strabuzhin'ski G. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Jan-Feb;(1):64-5 **(Rus)**

UTILIZATION

[Sports and exercise therapy in rehabilitation--an empirical survey of requirements for sport teachers] Schüle K, et al. **Off Gesundheitswes** 1984 Dec;46(12):603-7 **(Ger)**

PHYSICAL THERAPY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

PHYSICALLY HANDICAPPED see **HANDICAPPED**

PHYSICIAN IMPAIRMENT

Alcohol, substance use, and other risk-factors of impairment in a sample of physicians-in-training. McAuliffe WE, et al. **Adv Alcohol Subst Abuse** 1984 Winter;4(2):67-87

Drugs, drinking, and adolescence [letter] Ward CF. **Am J Dis Child** 1985 Jul;139(7):653

Helping the sick doctor [editorial] Helliwell PJ. **Anaesthesia** 1985 Mar;40(3):221-2

Drug abuse in the medical profession: addict doctors and the home office. Stimson GV, et al. **Br J Addict** 1984 Dec;79(4):395-402

Mentally ill doctors [letter] Horton JN. **Br J Hosp Med** 1985 Jun;33(6):366

Mentally ill doctors. Rucinski J, et al. **Br J Hosp Med** 1985 Feb;33(2):90-4

Dental Profession Advisory Program alive and well in British Columbia. Christianson ML. **Can Dent Assoc J** 1984 Nov;50(11):824-7

Preparing for the perils of practice. Gorovitz S. **Hastings Cent Rep** 1984 Dec;14(6):38-41

Doctors helping doctors. Morrow CK. **Hastings Cent Rep** 1984 Dec;14(6):32-8

The impaired physician movement: an interim report. Sargent DA. **Hosp Community Psychiatry** 1985 Mar;36(3):294-7

Iatrogenic impairment? Zusag T. **IMJ** 1984 Sep;166(3):143-4

Impaired physicians: an Iowa perspective. Dodd JL. **Iowa Med** 1984 Dec;74(12):517-22

The impaired physician. Drogin M. **J Arkansas Med Soc** 1985 Jun;82(1):79-84

Student section of impaired professional program established. Simkin DR, et al. **J La State Med Soc** 1984 Dec;136(12):24-5

Student section of impaired physician program established. Simkin DR, et al. **J La State Med Soc** 1985 Jan;137(1):23-4

Dynamics in group process in impaired health professionals. Butcher TE, et al. **J Med Assoc Ga** 1984 Nov;73(11):771-4

MAG's computerized staging of chemical dependence. Gallegos KV, et al. **J Med Assoc Ga** 1985 May;74(5):306-10

Characterization of Georgia's Impaired Physicians Program treatment population: data and statistics. Gallegos KV, et al. **J Med Assoc Ga** 1984 Nov;73(11):755-8

An historical review of Georgia's Impaired Physicians Program. Martin CA. **J Med Assoc Ga** 1984 Nov;73(11):745-8

Brain functioning and addiction: what neuropsychologic studies reveal. Robinson EL, et al. **J Med Assoc Ga** 1985 Feb;74(2):74-9

Physician impairment: past, present, future. Steindler EM. **J Med Assoc Ga** 1984 Nov;73(11):741-3

Relapse and recovery: special issues for chemically dependent physicians. Talbott GD, et al. **J Med Assoc Ga** 1984 Nov;73(11):763-9

Elements of the Impaired Physicians Program. Talbott GD. **J Med Assoc Ga** 1984 Nov;73(11):749-51

Chemical abuse/dependence: physicians' occupational hazard. Udel MM. **J Med Assoc Ga** 1984 Nov;73(11):775-8

The Impaired Physicians Program: another kind of impairment. Reading EG. **J Med Soc NJ** 1984 Aug;81(8):667-8

The impaired physician: changes from the traditional view. Kleber HD. **J Subst Abuse Treat** 1984;1(2):137-40

Self-preservation: a non-negotiable requirement for the substance abuse clinician [editorial] Patrick PK. **J Subst Abuse Treat** 1984;1(2):85

The injured self, addiction, and our call to medicine. Understanding and managing addicted physicians. Khantzian EJ. **JAMA** 1985 Jul 12;254(2):249-52

The impaired physician. The target of our concern. Valaske MJ. **Md Med J** 1985 Jul;34(7):663

Barriers to working with impaired trainees: a resident's viewpoint. Jensen PS. **Psychiatr Q** 1983 Winter;55(4):268-71

Hospital, heal thyself: coping with impaired providers and other hospital employees. Curran RF. **QRB** 1984 Nov;10(11):335-9

Alcoholism and the role of the physician. Aronson SM, et al. **RI Med J** 1985 Feb;68(2):67

The Committee on Impaired Physicians of the Rhode Island Medical Society. Rakatansky H. **RI Med J** 1985 Mar;68(3):119-21

Physician morbidity: a limited study. Larson J, et al. **Wis Med J** 1985 Mar;84(3):33-5

LEGISLATION & JURISPRUDENCE

A legislative option for coping with the distressed physician. Bittker TE. **Ariz Med** 1984 Sep;41(9):612-3

PHYSICIAN-PATIENT RELATIONS

see related
TRUTH DISCLOSURE

Psychological support of the patient during the operative period. Hannich HJ. **Acta Anaesthesiol Belg** 1984;35 Suppl:436-9

The cultural perspective of therapeutic relationship--a viewpoint from Africa. Neki JS, et al. **Acta Psychiatr Scand** 1985 Jun;71(6):543-50

The doctor-patient relationship through the ages. Altschule MD. **Ala J Med Sci** 1984 Oct;21(4):435-9

Comprehensive assessment of the elderly patient. Cadieux RJ, et al. **Am Fam Physician** 1985 May;31(5):105-11

A method for the teaching of interviewing skills. Kastner LS, et al. **Am J Dis Child** 1985 Sep;139(9):899-902

Effects of patients' socioeconomic status and physicians' training and practice on patient-doctor communication. Epstein AM, et al. **Am J Med** 1985 Jan;78(1):101-6

Influence of medical and premedical education on important personal qualities of physicians. McCue JD. **Am J Med** 1985 Jun;78(6 Pt 1):985-91

Physician-patient communication. Posner RB. **Am J Med** 1984 Sep 10;77(3A):59-64

The problem of patient compliance. Robertson WH. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 2):948-52

Therapist actions that address initially poor therapeutic alliances in psychotherapy. Foreman SA, et al. **Am J Psychiatry** 1985 Aug;142(8):922-6

Empathy and outcome in brief focal dynamic therapy. Free NK, et al. **Am J Psychiatry** 1985 Aug;142(8):917-21

The psychodynamics of prescribing in behavior therapy. Goisman RM. **Am J Psychiatry** 1985 Jun;142(6):675-9

The private versus the public psychiatric interview. Zinberg NE. **Am J Psychiatry** 1985 Aug;142(8):889-94

Patient attitudes toward physician consent in epidemiologic research. Boring CC, et al. **Am J Public Health** 1984 Dec;74(12):1406-8

Health care attitudes and experiences during gynecologic care among lesbians and bisexuals. Smith EM, et al. **Am J Public Health** 1985 Sep;75(9):1085-7

Pharmacists were sabotaging my patient care. Crackower S. **Am Pharm** 1984 Sep;NS24(9):6-8

An introduction to medical phenomenology: I can't hear you while I'm listening. Baron RJ. **Ann Intern Med** 1985 Oct;103(4):606-11

The effect of physician behavior on the collection of data. Beckman HB, et al. **Ann Intern Med** 1984 Nov;101(5):692-6

Need for medical supervision with very-low-calorie diets [letter] Locke TJ 3d. **Arch Intern Med** 1984 Dec;144(12):2431-2

The progression of medicine. From physician paternalism to patient autonomy to bureaucratic parsimony. Siegler M. **Arch Intern Med** 1985 Apr;145(4):713-5

Assessing physician/patient perceptions in rheumatoid arthritis. A vital component in patient education. Silvers IJ, et al. **Arthritis Rheum** 1985 Mar;28(3):300-7

The ticket of entry. Authentic case histories from Australian general practice. Colquhoun JP. **Aust Fam Physician** 1985 Jun;14(6):538

It's time to disabuse our patients [letter] Fraser A. **Aust Fam Physician** 1984 Oct;13(10):724-5

The language of doctor and patient communication. A study of commands and requests. Huddleston J, et al. **Aust Fam Physician** 1984 Jul;13(7):543-4

Styles of doctoring and models of health. Some side effects of the doctor. Underwood P, et al. **Aust Fam Physician** 1985 Jul;14(7):658-62

A systems perspective on clinical management. Taylor TR, et al. **Behav Sci** 1984 Oct;29(4):233-47

Attitudes toward post-mastectomy reconstruction in Puerto Rico. Laracuente R, et al. **Bol Asoc Med PR** 1985 Mar;77(3):99-100

Teenage confidence and consent [letter] **Br Med J [Clin Res]** 1985 Feb 16;290(6467):562

Psychiatric illness in inpatients with neurological disorders: patients' views on discussion of emotional problems with neurologists. Bridges KW, et al. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):656-8

Illness in a friend. Calland T. **Br Med J [Clin Res]** 1984 Dec 22-29;289(6460):1752-3

Paternalism and medical ethics. Gillon R. **Br Med J [Clin Res]** 1985 Jun 29;290(6486):1971-2

Reactions of patients to video recording of consultations in general practice. Herzmark G. **Br Med J [Clin Res]** 1985 Aug 3;291(6491):315-7

List size and patient contact in general medical practice. Wilkin D, et al. **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1501-5

Whatsoever things are true: ways, means and values in modern psychiatry. Runions JE. **Can J Psychiatry** 1984 Apr;29(3):223-7

Confidentiality and dangerousness in the doctor-patient relationship. The position of the Canadian Psychiatric Association. Shane F. **Can J Psychiatry** 1985 Jun;30(4):293-301 **(Eng, Fre)**

Professional misconduct: does the public have the right to know? Goldman B. **Can Med Assoc J** 1984 Sep 15;131(6):637, 640-2, 644

Is chronic pain a real condition? [letter] Nunn PJ. **Can Med Assoc J** 1984 Dec 15;131(12):1435-6

An experiment in patient-physician communication [letter] Singh R, et al. **Can Med Assoc J** 1984 Oct 15;131(8):846-8

From pediatrician to therapist--a bridge to cross. Menahem S, et al. **Child Psychiatry Hum Dev** 1985 Spring;15(3):180-8

Dermatology patients and their doctors. Jowett S, et al. **Clin Exp Dermatol** 1985 May;10(3):246-54

The weight of knowledge: teachers and students and doctors and patients. Underwood P, et al. **Community Health Stud** 1985;9(2):145-50

'Hidden' popular illnesses in primary care: residents' recognition and clinical implications. Nations MK, et al. **Cult Med Psychiatry** 1985 Sep;9(3):223-40

Compliance and the doctor-patient relationship. Peck CL, et al. **Drugs** 1985 Jul;30(1):78-84

Do interpreters affect consultations? Dodd W. **Fam Pract** 1984 Mar;1(1):42-7

Written simulation of patient-doctor encounters. 2. Assessment of the performance of general practitioners. Jacobs HM, et al. **Fam Pract** 1984 Mar;1(1):20-4

Written simulation of patient-doctor encounters. 1. Research instrument for registration of the performance of general practitioners. Kuyvenhoven MM, et al. **Fam Pract** 1984 Mar;1(1):14-9

Written simulation of patient-doctor encounters. 3. Comparison of the performance in the simulation with prescription and referral data in reality. Kuyvenhoven MM, et al. **Fam Pract** 1984 Mar;1(1):25-9

Family determinants of disease. I. General principles and concepts. Medalie JH. **Fam Pract** 1984 Mar;1(1):9-13

Clinicians' knowledge about the families of their patients. Rosenberg EE, et al. **Fam Pract** 1985 Mar;2(1):23-9

Patient characteristics which are related to the doctor-patient interaction. Stewart M. **Fam Pract** 1984 Mar;1(1):30-6

The case of Mary Hier: when substituted judgment becomes sleight of hand. Annas GJ. **Hastings Cent Rep** 1984 Aug;14(4):23-5

Coping with uncertainty [letter] Seamon B. **Hastings Cent Rep** 1985 Feb;15(1):47-8

The neonatologist's duty to patient and parents. Strong C. **Hastings Cent Rep** 1984 Aug;14(4):10-6

Patient question asking in physician-patient interaction. Roter DL. **Health Psychol** 1984;3(5):395-409

Maternalism: a sound concept in medicine. Justin RG. **Indiana Med** 1985 Feb;78(2):111-2

Factors influencing parental participation in a paediatric cardiology outpatient clinic. Silverman D, et al. **Int J Cardiol** 1984 Dec;6(6):689-98

The micropolitics of medicine: a contextual analysis. Waitzkin H. **Int J Health Serv** 1984;14(3):339-78

Are conflicts of interests endemic to psychiatric consultation? Tancredi LR, et al. **Int J Law Psychiatry** 1983;6(3-4):293-316

The patient comes first--a commitment we all share. Boyle JF. **Iowa Med** 1985 Jun;75(6):250-3

The care of the patient. By Francis W. Peabody, M.D. 1927. **J Am Coll Health** 1985 Apr;33(5):210-6

Medical paternalism and patient self-determination. Perry CB, et al. **J Am Geriatr Soc** 1985 May;33(5):353-9

Podiatrist-patient interaction during routine podiatry visits. Roter DL, et al. **J Am Podiatry Assoc** 1984 Nov;74(11):553-8

The effects of physician communications skills on patient satisfaction; recall, and adherence. Bartlett EE, et al. **J Chronic Dis** 1984;37(9-10):755-64

Patient and physician in the management of inflammatory bowel disease [editorial] Spiro HM. **J Clin Gastroenterol** 1985 Apr;7(2):117-9

Evaluation and application of continuity measures in primary care settings. Given CW, et al. **J Community Health** 1985 Spring;10(1):22-41

A case study in management: the patient complaint. Taliaferro E. **J Emerg Med** 1983;1(2):151-3

Family awareness demonstrated by family practice residents: physician behavior and patient opinions. Crouch MA, et al. **J Fam Pract** 1985 Mar;20(3):281-4

Malpractice liability risk and the physician-patient relationship [editorial] Geyman JP. **J Fam Pract** 1985 Mar;20(3):231-2

Paternalistic vs egalitarian physician styles: the treatment of patients in crisis. LeBaron S, et al. **J Fam Pract** 1985 Jul;21(1):56-62

Malpractice risk and patient relations. Sommers PA. **J Fam Pract** 1985 Mar;20(3):299-301

Information giving in medical care. Waitzkin H. **J Health Soc Behav** 1985 Jun;26(2):81-101

The price physicians are willing to pay. Johnson DH Jr. **J La State Med Soc** 1984 Nov;136(11):5

Attitudes of internal medicine residents and staff physicians toward various patient characteristics. Harris IB, et al. **J Med Educ** 1985 Mar;60(3):192-5

Patient-generated dysphoria in house officers. Herzog DB, et al. **J Med Educ** 1984 Nov;59(11 Pt 1):869-74

A comparison of four empathy instruments in simulated patient-medical student interactions. Jarski RW, et al. **J Med Educ** 1985 Jul;60(7):545-51

Introduction to interviewing patients. Lenkei E, et al. **J Med Educ** 1984 Nov;59(11 Pt 1):911-2

Humanistic medicine [letter] Pruett KD. **J Med Educ** 1985 Apr;60(4):353

'Patientspeak': an exercise in communication. Scott N, et al. **J Med Educ** 1984 Nov;59(11 Pt 1):890-3

A rejection of doctors as moral guides. Ackroyd DE. **J Med Ethics** 1984 Sep;10(3):147

Trust. Cooper DE. **J Med Ethics** 1985 Jun;11(2):92-3

Paternalism and partial autonomy. O'Neill O. **J Med Ethics** 1984 Dec;10(4):173-8

Are we teaching students that patients don't matter? Robinson J. **J Med Ethics** 1985 Mar;11(1):19-21, 26

Volitional disability and physician attitudes toward noncompliance. Ferrell RB, et al. **J Med Philos** 1984 Nov;9(4):333-51

A definition for paternalism. Hershey PT. **J Med Philos** 1985

May;10(2):171–82

Patients with reduced agency: conceptual, empirical, and ethical considerations. McCullough LB. **J Med Philos** 1984 Nov;9(4):329–31

Patient truthfulness: a test of models of the physician–patient relationship. Vanderpool HY, et al. **J Med Philos** 1984 Nov; 9(4):353–72

Emotional factors in the patient's illness. Briggs GW, et al. **J Miss State Med Assoc** 1985 Feb;26(2):43–5

A survey and analysis of techniques used in attracting the black middle–class patient. Barnwell S, et al. **J Natl Med Assoc** 1985 May;77(5):379–84

Black and white psychiatrists: therapy with blacks. Jones BE, et al. **J Natl Med Assoc** 1985 Jan;77(1):19–25

Young children's understanding of the social roles of physician and patient. Haight WL, et al. **J Pediatr Psychol** 1985 Mar;10(1):31–43

The role of context in primary care. Helman CG. **J R Coll Gen Pract** 1984 Oct;34(267):547–50

Comparative rating of consultation performance: a preliminary study and proposal for collaborative research. Stanley IM, et al. **J R Coll Gen Pract** 1985 Aug; 35(277):375–80

Working with families. Christie–Seely J. **J R Soc Med** 1985; 78 Suppl 8:43–6

Listening to your patients [letter] Crook WG. **J Tenn Med Assoc** 1985 Feb;78(2):108–9

I have what? Illness and the medical profession (whom I admire). Miller FB. **J Tenn Med Assoc** 1985 Jan;78(1):33

Examining the internship [letter] Davis RM, et al. **JAMA** 1985 May 17;253(19):2829–30

'Hey, you!' and other forms of address [editorial] King LS. **JAMA** 1985 Jul 12;254(2):266–7

Tobacco addiction and compassion [letter] Oken D. **JAMA** 1985 May 24–31;253(20):2958

Communication between doctors and patients [letter] Ruane TJ. **JAMA** 1985 Apr 12;253(14):2045–6

Doctor–patient communication. Clinical implications of social scientific research. Waitzkin H. **JAMA** 1984 Nov 2;252(17):2441–6

Doctor's duty to inform patient of substantial or special risks when offering treatment. Brahams D. **Lancet** 1985 Mar 2; 1(8427):528–30

Truth, trust, and paternalism. Brewin TB. **Lancet** 1985 Aug 31;2(8453):490–2

The doctor's image. Silver G. **Lancet** 1984 Dec 22; 2(8417–18):1456–7

Using four simple steps, physicians do influence smoking behavior. Campbell JL, et al. **Md Med J** 1985 Jan; 34(1):50–5

Problems and prospects for health services research on provider–patient communication. Inui TS, et al. **Med Care** 1985 May;23(5):521–38

The role of theory in the study of adherence to treatment and doctor–patient interactions. Leventhal H. **Med Care** 1985 May;23(5):556–63

Consumer values and subsequent satisfaction ratings of physician behavior. Linn LS, et al. **Med Care** 1984 Sep; 22(9):804–12

Patient exposition and physician explanation in initial medical interviews and outcomes of clinic visits. Putnam SM, et al. **Med Care** 1985 Jan;23(1):74–83

Communication skills teaching, learning and assessment. Knox JD, et al. **Med Educ** 1985 Jul;19(4):285–9

Communicating with patients. Do your patients understand you? Are you speaking the same language? [editorial] Chesher T. **Med J Aust** 1985 May 27;142(11):584–5

Communicating with patients [letter] Dinnen A. **Med J Aust** 1985 Sep 2;143(5):221–2

Tips on talking to older patients. Dengiz A. **Mich Med** 1985 Mar;84(3):153

Understanding the patient: medical words the doctor may not know. Sugarman J, et al. **NC Med J** 1985 Jul; 46(7):415–7

Drug abuse prevention: the physician's responsibility. Wetli CV. **NY State J Med** 1984 Dec;84(12):587

Erosion of confidence [editorial] Criep LH. **Pa Med** 1985 Jul;88(7):52

White doctors and black patients: influence of race on the doctor–patient relationship. Levy DR. **Pediatrics** 1985 Apr; 75(4):639–43

Suggestion and healing. Lipkin M. **Perspect Biol Med** 1984 Autumn;28(1):121–6

Patients: character–building teachers. Asper SP. **Pharos** 1985 Summer;48(3):28–30

The component elements of physician compassion. Glick SM. **Pharos** 1985 Winter;48(1):9–14

Past and present. Doing well or doing good? Linenthal AJ. **Pharos** 1985 Winter;48(1):45

Two hemispheres and the medical connection. Mellinkoff SM. **Pharos** 1984 Fall;47(4):2–5

Placebos, patients, and physicians. Spiro HM. **Pharos** 1984 Spring;47(2):2–6

On preserving the healing power of hope. Stevenson I. **Pharos** 1984 Summer;47(3):20–2

Check ... checkmate. Countering the con games of drug abusers. Coleman N. **Postgrad Med** 1985 Feb 1;77(2):68–70, 73–5

The 'Oh, by the way, Doctor' syndrome. Davis JM. **Postgrad Med** 1984 Nov 15;76(7):18–9,22

Physician–patient relationships. The dawn of a new era [editorial] Howard RB. **Postgrad Med** 1985 Jul;78(1):15–6, 21

Chronic neurologic disease. Easing the special problems of long–term care. Malden M. **Postgrad Med** 1984 Dec; 76(8):101–4, 109, 112

Bureaucracy in medicine. Is there an alternative [editorial] Roller MC. **Postgrad Med** 1985 Sep 15;78(4):13–4, 16

Psychophysiological effects of therapist's active presence during biofeedback as a simple psychotherapeutic situation. Borgeat F, et al. **Psychiatr J Univ Ottawa** 1984 Sep; 9(3):132–7

The influence of national health schemes on patients' unconscious expectations. Montgrain N. **Psychiatr J Univ Ottawa** 1984 Dec;9(4):170–4

Changing orientations of medical students to patients' care: biomedical versus biopsychosocial models. Calhoun JG, et al. **Psychol Rep** 1985 Feb;56(1):91–4

Four sins of medicine: 1984. McGregor M. **S Afr Med J** 1985 Apr 20;67(16):643–5

Consent, dissent, cement. Calman KC, et al. **Scott Med J** 1984 Oct;29(4):209–11

Establishing patient rapport and communication. Jarratt L, et al. **SD J Med** 1985 Jan;38(1):19–23 (12 ref.)

The doctor–patient relationship. Tan SG. **Singapore Med J** 1985 Feb;26(1):11–5

Evaluation of an interview training course for general practitioners. Bensing JM, et al. **Soc Sci Med** 1985; 20(7):737–44

Patient reactions to doctors' computer use in general practice consultations. Brownbridge G, et al. **Soc Sci Med** 1985; 20(1):47–52

Maintenance of psychosocial attitudes in medical students. Dornbush RL, et al. **Soc Sci Med** 1985;20(1):107–9

Self–touching as an indicator of underlying affect and language processes. Harrigan JA. **Soc Sci Med** 1985; 20(11):1161–8

Communication in primary care: the role of patient and practitioner explanatory models. Helman CG. **Soc Sci Med** 1985;20(9):923–31

Cancer patients' personality characteristics, physician–patient communication and adoption of the Moerman diet. Pruyn JF, et al. **Soc Sci Med** 1985;20(8):841–7

Physician gender and the physician–patient relationship: recent evidence and relevant questions. Weisman CS, et al. **Soc Sci Med** 1985;20(11):1119–27 (67 ref.)

The impact of illness on patients and families: social workers teach medical students. Hunsdon S, et al. **Soc Work Health Care** 1984 Winter;10(2):41–52

Police, social work and medical responses to battered women. Johnson N. **Sociol Rev [Monogr]** 1985;(31):109–23

Patient–physician communication and interaction: a unifying approach to the difficult patient. Powers JS. **South Med J** 1985 Apr;78(4):445–7

Central Surgical Association Presidential address: The wrong end. Griffen WO Jr. **Surgery** 1984 Oct;96(4):581–4

The patient and 'his doctor'[editorial] Tenery RM Jr. **Tex Med** 1984 Dec;80(12):8

The right of privacy and the physician–patient relationship. Wilcox DP. **Tex Med** 1985 Apr;81(4):84–5

The physician–patient relationship––creation and termination. Young MG. **Tex Med** 1985 Mar;81(3):79–81

Autonomy and the doctor–patient relationship. **Theor Med** 1984 Feb;5(1):1–116

Medical ethics and the two dogmas of liberalism. Ackerman TF. **Theor Med** 1984 Feb;5(1):69–81

The range of autonomy: informed consent in medicine. Beasley AD, et al. **Theor Med** 1984 Feb;5(1):31–41

Towards a concept of shared autonomy. Bergsma J. **Theor Med** 1984 Oct;5(3):325–31

Metaphors and models of doctor–patient relationships: their implications for autonomy. Childress JF, et al. **Theor Med** 1984 Feb;5(1):17–30

Patients' autonomy: three models of the professional–lay relationship in medicine. Ozar DT. **Theor Med** 1984 Feb; 5(1):61–8

Autonomy and coercion in disease prevention and health promotion. Pellegrino ED. **Theor Med** 1984 Feb;5(1):83–91

Physician and patient: respect for mutuality. Smith DG, et al. **Theor Med** 1984 Feb;5(1):43–60

Delineating paternalism in pediatric care. Sorenson JH, et al. **Theor Med** 1984 Feb;5(1):93–104

Promoting patient autonomy: looking back. Stollerman GH. **Theor Med** 1984 Feb;5(1):8–16

Autonomy in the doctor–patient relation. Thomasma DC. **Theor Med** 1984 Feb;5(1):1–7

Abandonment: actual or constructive premature termination of the physician–patient relationship. Hirsh HL. **Trans Stud Coll Physicians Phila** 1984 Sep;6(3):207–22

Physician–patient partnerships for lifelong health monitoring. Breslow L. **West J Med** 1984 Dec;141(6):777–81

How to help your patients function better. Rubenstein LV, et al. **West J Med** 1985 Jul;143(1):114–7

Physician resistance to treating the elderly: facing our own future. Hay DP. **Wis Med J** 1984 Oct;83(10):33–7

[The truth or a merciful lie in communicating the basic diagnosis to patients with malignant tumors?] Bauer J. **Cas Lek Cesk** 1985 Apr 19;124(16):501–3 (Eng. Abstr.) **(Cze)**

[Psychosocial orientation in medicine with emphasis on clinical oncology] Bolelouckÿ Z, et al. **Cas Lek Cesk** 1985 Jun 28;124(26):806–9 (Eng. Abstr.) **(Cze)**

[Characteristics of medical ethics in childhood and adolescence] Rubin A. **Cas Lek Cesk** 1985 May 31; 124(22):673–6 **(Cze)**

[The effect of the psychotherapist's training and professional practice on his perception of psychotherapeutic interactions] Beran J, et al. **Cesk Psychiatr** 1984 Jun; 80(3):170–3 (Eng. Abstr.) **(Cze)**

[The therapeutic and management roles of psychiatry] Chromý K. **Cesk Psychiatr** 1985 Jun;81(3):156–61 (Eng. Abstr.) **(Cze)**

[Psychological diagnostics in internal medicine] Langmeier J. **Vnitr Lek** 1985 Apr;31(4):332–6 (Eng. Abstr.) **(Cze)**

[The problem formulating phase in general practice] Lassen LC, et al. **Ugeskr Laeger** 1984 Dec 31;147(1):47–51 (Eng. Abstr.) **(Dan)**

[Yes doctor, I understand that you know nothing about it, but what do you think about it?] Donker PM. **Ned Tijdschr Geneeskd** 1985 May 25;129(21):984–5 **(Dut)**

[Is euthanasia a solution?] Kruythoff DJ. **Ned Tijdschr Geneeskd** 1985 Apr 13;129(15):700–2 **(Dut)**

[The somatic specialist and conversion] Moene FC, et al. **Ned Tijdschr Geneeskd** 1985 May 11;129(19):904–7 (Eng. Abstr.) **(Dut)**

[Real and false risks of contraceptive information] Béran MD. **Gynakol Rundsch** 1984;24 Suppl 1:49–53 **(Fre)**

[The experience of the menopause] Vagogne A. **Rev Fr Gynecol Obstet** 1985 Mar;80(4):191–4 (Eng. Abstr.) **(Fre)**

[Relationship with the patient with bronchopulmonary cancer. Psychological, family and social aspects] Marin I, et al. **Rev Mal Respir** 1984;1(5):277–84 (Eng. Abstr.) **(Fre)**

[To penetrate, to look at and to see. Observations of a psychiatrist on endoscopy] Miéville C. **Rev Med Suisse Romande** 1984 Dec;104(12):967–73 **(Fre)**

[Physicians and patient–prisoners. Sociological aspects of penitentiary medicine at the Champ–Dollon prison in Geneva] von Allmen M, et al. **Rev Med Suisse Romande** 1985 Jan;105(1):73–83 **(Fre)**

[Psychological adjustment in the physician–patient relationship] Quinodoz JM, et al. **Schweiz Rundsch Med Prax** 1985 Jul 2;74(27):721–4 (Eng. Abstr.) **(Fre)**

[Trust in a conscience] Letendre JF. **Union Med Can** 1985 Apr;114(4):270 **(Fre)**

[Influence of education on the physician–patient relationship (Balint) in the practice of psychotherapy] Painchaud G. **Union Med Can** 1985 Feb;114(2):160–2, 164 (Eng. Abstr.) **(Fre)**

[Current status of the physician's responsibility for patients information] Laufs A. **Chirurg** 1984 Aug;55(8):539–40 **(Ger)**

[Erotic and martial–like relations of the elderly in residential homes. Key role of the physician in counseling and care in the home] von Schumann HJ. **Fortschr Med** 1985 Jan 24;103(4):86–7 **(Ger)**

[Therapeutic course with childless couples with special reference to the interrelation among 4 persons in gynecologic–andrologic consultations] Molinski H. **Gynakologe** 1985 Jun;18(2):120–4 **(Ger)**

[Medical consultation in the clinical visit and office hours. Hindrances and creative possibilities from the psychosomatic viewpoint] Fehlenberg D, et al. **Internist (Berlin)** 1984 Nov;25(11):682–93 **(Ger)**

[The patient in the highly tense atmosphere of institutions. An evaluation of social medicine consultation at a district health office] Däublin–Tyedmers K. **Off Gesundheitswes** 1985 Feb;47(2):56–60 **(Ger)**

[Significance of the patient's theory of disease for the physician–patient relation] Becker H. **Psychother Psychosom Med Psychol** 1984 Dec; 34(12):313–21 (Eng. Abstr.) **(Ger)**

[Medical conversation during rounds in an intensive care station––initial results of an empirical study] Hannich HJ, et al. **Psychother Psychosom Med Psychol** 1985 Mar–Apr; 35(3–4):95–8 (Eng. Abstr.) **(Ger)**

[Critical comments on body–related therapy forms] Kind H. **Psychother Psychosom Med Psychol** 1985 Jun;35(6):167–70 (Eng. Abstr.) **(Ger)**

[Relations to schizophrenic patients at the level of the Balint group] Kraft H. **Psychother Psychosom Med Psychol** 1984 Nov;34(11):269–72 (Eng. Abstr.) **(Ger)**

[Problems in the relations between physicians and cancer patients] Reimer C, et al. **Psychother Psychosom Med Psychol** 1985 Mar–Apr; 35(3–4):86–94 (Eng. Abstr.) **(Ger)**

[Examination and consultation from the psychosocial viewpoint] Heim E. **Ther Umsch** 1984 Nov;41(11):779–88 (Eng. Abstr.) **(Ger)**

[Physician–patient relations in endogenous psychoses] Pieringer W, et al. **Wien Klin Wochenschr [Suppl]** 1984; 154:12–5 (Eng. Abstr.) **(Ger)**

[Effect of the physician on the effectiveness of drugs (impressive experiment with medical students)] Feldes D. **Z Arztl Fortbild (Jena)** 1985;79(4):163–5 **(Ger)**

[Nonverbal communication and physician–patient relations] Herzer H, et al. **Z Arztl Fortbild (Jena)** 1984;78(16):671–3 **(Ger)**

[Social law and the physician–nurse–patient relation in health care in East Germany] Heusinger H, et al. **Z Arztl Fortbild (Jena)** 1985;79(12):511–4 **(Ger)**

[Case history and the 'unlived life'] Zacher A. **Z Klin Psychol Psychopathol Psychother** 1985;33(1):51–7 (Eng. Abstr.) **(Ger)**

[Relations with cancer patients] Hartmann G. **Zentralbl Chir** 1985;110(1):1–11 (Eng. Abstr.) **(Ger)**

[Thoughts on standards of medical behavior (letter)] Vecsey D. **Orv Hetil** 1984 Dec 2;125(49): 3023–4 **(Hun)**

[Psychoreactive aspects and inherent problems in relations with the physician in healthy HBsAg carriers] de Sio I, et al. **Clin Ter** 1984 Oct 31;111(2):127–33 (Eng. Abstr.) **(Ita)**

[Thoughts on the relationship between physician and patient] Tancredi O. **Minerva Med** 1985 Jun 8;76(24):1159–64 **(Ita)**

[Participation of a physician in the cooperation between a sick child and his family during treatment of neoplastic blood disease] Zdebska S, et al. **Pediatr Pol** 1985 Jan; 60(1):45–9 (Eng. Abstr.) **(Pol)**

[Therapeutic and non-therapeutic methods of interacting with patients] Czuma K, et al. **Pol Tyg Lek** 1984 May 28; 39(22):763–5 **(Pol)**

[The expected and real role of a physician in the opinion of patients with chronic respiratory tract diseases] Kuś L, et al. **Pol Tyg Lek** 1985 Jan 7;40(1):25–9 **(Pol)**

[A physician's duties--an introduction to a discussion] Marek Z. **Przegl Lek** 1984;41(11):641–5 (Eng. Abstr.) **(Pol)**

[Concerning the patient with cancer...] Faria SL. **AMB** 1984 May–Jun;30(5–6):121–4 (Eng. Abstr.) **(Por)**

[Psychophysiologic disorders. Clinical session of the Brazilian Institute for Study and Research in Gastroenterology] **Arq Gastroenterol** 1984 Apr–Jun;21(2):91–7 **(Por)**

[Physician-patient relations today] Cardoso C. **Rev Port Estomatol Cir Maxilofac** 1984 Oct–Dec; 25(4):1209–17 **(Por)**

[Hippocrates and the present time] Kozlov AM, et al. **Sov Med** 1985;(4):118–20 **(Rus)**

[Medical deontology] Severova EIa, et al. **Sov Med** 1984; (10):61–4 **(Rus)**

[Development of deontological principles in medical practice] Pokrovskiĭ VI, et al. **Sov Zdravookhr** 1984;(8):14–6 **(Rus)**

[Relation between the psychological circumstances of treatment and the fixed attitudes of neurotic patients] Vruk P, et al. **Zh Nevropatol Psikhiatr** 1984;84(11):1687–90 (Eng. Abstr.) **(Rus)**

[Management activities by the physician in the system of physician–patient relations] Borbély L. **Cesk Zdrav** 1984 Jul;32(6–7):301–5 (Eng. Abstr.) **(Slo)**

[Does the physician adequately inform his patients?] Maya JC, et al. **Bol Of Sanit Panam** 1984 Jul;97(1):26–32 (Eng. Abstr.) **(Spa)**

[Physician–patient concordance in a general medical practice] Gervas JJ, et al. **Med Clin (Barc)** 1985 Mar 16;84(10):400–4 **(Spa)**

[Behavioral medicine: physician–patient communication] Pérez Alvarez M, et al. **Med Clin (Barc)** 1984 Jun 23; 83(4):167–72 **(Spa)**

PHYSICIAN SHORTAGE AREA see **MEDICALLY UNDERSERVED AREA**

PHYSICIANS

Uninsured doctors. Penrod JN. **Alaska Med** 1985 Apr–Jun; 27(2):36–41

Alcoholic doctors. Rawnsley K. **Alcohol Alcohol** 1984; 19(3):257–9

Risk factors and the incidence of hypertension in black physicians: the Meharry Cohort Study. Thomas J, et al. **Am Heart J** 1985 Sep;110(3):637–45

Medically useful criteria for analytic performance of laboratory tests. Skendzel LP, et al. **Am J Clin Pathol** 1985 Feb;83(2):200–5

To report or not to report. Physicians' attitudes toward discipline and child abuse. Morris JL, et al. **Am J Dis Child** 1985 Feb;139(2):194–7

Evaluation of child abuse reporting by physicians. Saulsbury FT, et al. **Am J Dis Child** 1985 Apr;139(4):393–5

Psychiatric patients in the emergency center [editorial] Peterson LG, et al. **Am J Emerg Med** 1984 Jul;2(4):370

Emergency department utilization during a doctors' strike. Slater PE, et al. **Am J Emerg Med** 1984 Nov;2(6):486–90

Physician perception of a triplicate prescription law. Berina LF, et al. **Am J Hosp Pharm** 1985 Apr;42(4):857–9

When doctors listen: counseling patterns of nonpsychiatrist physicians. Schurman RA, et al. **Am J Psychiatry** 1985 Aug;142(8):934–8

Changes in the hours worked by physicians, 1970–80. Freiman MP, et al. **Am J Public Health** 1984 Dec; 74(12):1348–52

Public opinion about doctors' pay. Ross CE, et al. **Am J Public Health** 1985 Jun;75(6):668–70

Working life of New York State physicians, 1980. Tu EJ. **Am J Public Health** 1985 May;75(5):553–5

Nurses and physicians: prospects for collaboration [editorial] Makadon HJ, et al. **Ann Intern Med** 1985 Jul;103(1):134–6

Physician–nurse relationships. Prescott PA, et al. **Ann Intern Med** 1985 Jul;103(1):127–33

Handicapped physicians [letter] Stelmach P. **Ann Intern Med** 1985 Feb;102(2):270–1

Attitudes toward medical marketing in Maricopa County. Wilson VJ. **Ariz Med** 1984 Nov;41(11):743–9

Mobility of Victorian doctors: 1980–1981. Rowe IL, et al. **Aust Fam Physician** 1984 Nov;13(11):842–6

Doctors and defamation. **Br Med J [Clin Res]** 1985 May 4; 290(6478):1342–4

The changing image of doctors [editorial] **Br Med J [Clin Res]** 1984 Dec 22–29;289(6460):1713–4

The Gee case: the BBC settles. Dyer C. **Br Med J [Clin Res]** 1985 May 4;290(6478):1344

First senior house officer job: goal or hurdle? Glynn MJ, et al. **Br Med J [Clin Res]** 1985 Jul 27;291(6490):292–3

Medical clergy: square pegs in holy holes? Leiper K. **Br Med J [Clin Res]** 1984 Dec 22–29;289(6460):1748–9

The physician as consumer of medical literature. Brodman E. **Bull NY Acad Med** 1985 Apr;61(3):266–74

The physician as author of medical information. Huth EJ. **Bull NY Acad Med** 1985 Apr;61(3):275–82

The impact of electronic computers and other technologies on information resources for the physician. Schoolman HM. **Bull NY Acad Med** 1985 Apr;61(3):283–9

The doctor goes to summer camp. Goldman B. **Can Med Assoc J** 1984 Oct 15;131(8):957–9

Counselling travellers about malaria chemoprophylaxis [letter] Keystone JS, et al. **Can Med Assoc J** 1984 Oct 1; 131(7):715–6

Age at death: physicians and ministers of religion. le Riche WH. **Can Med Assoc J** 1985 Jul 15;133(2):107

Medical profession sending smoky signal? [letter] Voth A. **Can Med Assoc J** 1985 Aug 1;133(3):180

Demographic analysis: a marketing must. Share SH, et al. **Conn Med** 1985 May;49(5):302–8

Farewell address [editorial] Davidson HC. **Cutis** 1985 Aug; 36(2):103–4

Medicare issues. Chavin IF. **Del Med J** 1984 Oct;56(10):577–8

The volunteer physician program of the Lake Placid Olympic Training Center. Hocutt JE Jr, et al. **Del Med J** 1984 Nov; 56(11):681–3

An unpleasant offer you cannot refuse [editorial] Markman LM. **Del Med J** 1984 Oct;56(10):587–8

Physicians as employees of the pharmaceutical industry. Berde B. **Eur J Clin Pharmacol** 1985;28(4):363–5

Geriatric care: can the physician do it alone? Champlin L. **Geriatrics** 1985 Jan;40(1):125–6, 131, 134

Knowledge of aging in the medical profession. West HL, et al. **Gerontol Geriatr Educ** 1984 Summer;4(4):97–105

A pilot study of medication and group therapy for obesity in a group of physicians. Bess BE, et al. **Hillside J Clin Psychiatry** 1984;6(2):171–87

Medical practice: why does it vary so much? [interview by Emily Friedman] Wennberg J, et al. **Hospitals** 1985 Mar 1;59(5):88, 90

Who should go to medical school? Rhoads PS. **Indiana Med** 1984 Dec;77(12):960–1

Differences in the numbers and costs of tests ordered by internists, family physicians, and psychiatrists. Linn LS, et al. **Inquiry** 1984 Fall;21(3):266–75

Why do women physicians work fewer hours than men physicians? Mitchell JB. **Inquiry** 1984 Winter;21(4):361–8

Towards the proletarianization of physicians. McKinlay JB, et al. **Int J Health Serv** 1985;15(2):161–95

Impaired physicians: an Iowa perspective. Dodd JL. **Iowa Med** 1984 Dec;74(12):517–22

Opinions of physicians and hospitals of current breast–feeding recommendations. Reames ES. **J Am Diet Assoc** 1985 Jan; 85(1):79–80

Physicians' knowledge of prescribing for the elderly. A study of primary care physicians in Pennsylvania. Ferry ME, et al. **J Am Geriatr Soc** 1985 Sep;33(9):616–25

Alcohol and cancer in male Japanese physicians. Kono S, et al. **J Cancer Res Clin Oncol** 1985;109(1):82–5

Patterns of emergency department use during the Israel doctors' strike. Slater PE, et al. **J Emerg Med** 1984; 2(2):111–6

Death counseling and psychosocial support by physicians concerning dying children. Behnke M, et al. **J Med Educ** 1984 Nov;59(11 Pt 1):906–8

Medical students' attitudes on physician fraud and abuse in the Medicare and Medicaid programs. Keenan CE, et al. **J Med Educ** 1985 Mar;60(3):167–73

Ethics, advertising and the definition of a profession. Dyer AR. **J Med Ethics** 1985 Jun;11(2):72–8

Excuse me, but you have a melanoma on your neck! Unsolicited medical opinions. Moseley R. **J Med Philos** 1985 May;10(2):163–70

Unsolicited medical opinion. Ratzan RM. **J Med Philos** 1985 May;10(2):147–62

Health care problems in the 1980s: Part III. A new research agenda: incentive payments for urban physicians. Hester RD, et al. **J Natl Med Assoc** 1984 Oct;76(10):991–3

Collective bargaining and strikes among physicians. Keith SN. **J Natl Med Assoc** 1984 Nov;76(11):1117–21

Health care in Denmark. Mazique EC. **J Natl Med Assoc** 1985 Jan;77(1):53–6

The physician as a nursing service customer. Luciano K, et al. **J Nurs Adm** 1985 Jun;15(6):17–20

Use of physician–hired nurses. A survey. Rustia J, et al. **J Nurs Adm** 1985 Sep;15(9):35–40

Medical and educational literature on physician/teacher collaboration. Marshall RM, et al. **J Sch Health** 1985 Feb; 55(2):62–5 (31 ref.)

Contracting questions for physicians. Alternative delivery systems. **J Tenn Med Assoc** 1985 Apr;78(4):211–2

The developmental screening and referral practices of physicians in Tennessee. Glascoe FP, et al. **J Tenn Med Assoc** 1985 Mar;78(3):141–7

Expert witness testimony [letter] **JAMA** 1985 Jan 25; 253(4):509–10

Physicians confront the apocalypse. The American medical profession and the threat of nuclear war. Boyer P. **JAMA** 1985 Aug 2;254(5):633–43

The medical profession and nuclear war. A social history. Day B, et al. **JAMA** 1985 Aug 2;254(5):644–51

Treat yourself, right? Freedman S. **JAMA** 1984 Nov 9; 252(18):2541

Physicians' group seeks nuclear arms ban [news] Litwin MS. **JAMA** 1985 Aug 2;254(5):586–7, 591

Cooperation not confrontation: the imperative of a nuclear age. The message from Budapest. Lown B, et al. **JAMA** 1985 Aug 2;254(5):655–7

Medicine--a profession in trouble? [editorial] Lundberg GD. **JAMA** 1985 May 17;253(19):2879–80

Many physicians following own advice about not smoking [news] Marwick C. **JAMA** 1984 Nov 23–30;252(20):2804

Do physicians preach what they practice? A study of physicians' health habits and counseling practices. Wells KB, et al. **JAMA** 1984 Nov 23–30;252(20):2846–8

Physicians' antinuclear war group expanding to include child health [news] Ziporyn T, et al. **JAMA** 1985 Aug 2; 254(5):585–7

Drugs, doctors and style of life. Tayback M. **JPMA** 1985 Apr;35(4):126–31

On the universality of medicine. Asper SP. **Kans Med** 1985 Feb;86(2):55–7, 64

Which doctor? [editorial] **Lancet** 1985 May 11;1(8437):1083–4

Advertising doctors' services [letter] Attanasio A. **Lancet** 1985 Sep 7;2(8454):557

Doctor's libel action against the BBC. Brahams D. **Lancet** 1985 May 18;1(8438):1171

Doctors and the drug makers [letter] Rawlins MD. **Lancet** 1984 Oct 6;2(8406):814

Comparable worth. Silver G. **Lancet** 1984 Oct 20;2(8408):917

Distress of the Medical Research Council [letter] Swales JD. **Lancet** 1985 Feb 9;1(8424):342

Doubts about IPPNW [letter] van der Sluis I, et al. **Lancet** 1985 Mar 30;1(8431):758

A demographic portrait of physicians sanctioned by the federal government for fraud and abuse against Medicare and Medicaid. Pontell HN, et al. **Med Care** 1985 Aug; 23(8):1028–31

Use of medical care by children during a physicians' strike. Ron A, et al. **Med Care** 1985 Jun;23(6):789–98

Doctors versus Medicare [letter] Andrew RR. **Med J Aust** 1985 Apr 29;142(9):529

Doctors in politics. Best J. **Med J Aust** 1985 Apr 1; 142(7):406–7

Care of the care–givers. Cohen A. **Med J Aust** 1984 Oct 13;141(8):520–3

'Health for all by the year 2000'. Educational, empirical and ethical responsibilities for the medical profession. Leeder SR. **Med J Aust** 1985 May 13;142(10):551–5

Torture in Iraq [letter] Masarei JR. **Med J Aust** 1985 Aug 5;143(3):131–2

Doctor bashing: tall poppies or tall stories? Metherell M. **Med J Aust** 1984 Dec 8–22;141(12–13):846–7

Doctors versus governments [letter] Sandeman TF. **Med J Aust** 1985 Jan 7;142(1):75

On the medicopolitical beat [letter] Verso ML. **Med J Aust** 1985 Jun 10;142(12):662

Diagnosis related groups--implications for Australian physicians. Wood TJ, et al. **Med J Aust** 1985 Sep 16; 143(6):242–3

As the competitive market unfolds: physician attitudes and actions toward fee disclosure and price information. Kaemmerer CJ, et al. **Minn Med** 1985 Jan;68(1):61–6

Physicians' perception of the prospective payment plan using DRGs. Kwon IW, et al. **Mo Med** 1985 Feb;82(2):67–70

A crisis in Australian medicine. Doctors' response to the introduction of government–sponsored universal health care. Green D, et al. **N Engl J Med** 1985 Jan 3;312(1):62–3

Public perceptions of medicine. Mechanic D. **N Engl J Med** 1985 Jan 17;312(3):181–3

Should health–care professionals wear political campaign buttons? [letter] Nichols L, et al. **N Engl J Med** 1984 Dec 27;311(26):1705

Black doctors on television. MacDonald JF. **NY State J Med** 1985 Apr;85(4):151–2

Professional misconduct. Morrissey JM. **NY State J Med** 1984 Dec;84(12):608–10

Physicians must practice quality care and cost control [editorial] Strasser AL. **Occup Health Saf** 1985 Jul; 54(7):52–3

The doctor as victim: it can happen to you. Bloch EL, et al. **Ohio State Med J** 1985 Jul;81(7):475–84

Cries of the children: are physicians listening? Edwards KS. **Ohio State Med J** 1985 Jul;81(7):500–5

The small screen's larger–than–life image. Edwards KS. **Ohio State Med J** 1984 Nov;80(11):780–3

Physicians liability in child abuse reporting cases. Grey L. **Ohio State Med J** 1985 Jul;81(7):493–7

It's not fun anymore. Kelso HG Jr. **Ohio State Med J** 1984 Sep;80(9):631, 689

What the Ohio print media are saying about today's doctors. Porter S. **Ohio State Med J** 1984 Nov;80(11):784–7

Images of the medical profession in the movies. Shale R. **Ohio State Med J** 1984 Nov;80(11):775–9

Putting a pricetag on a practice: a look at both sides. Valancy J. **Ohio State Med J** 1984 Oct;80(10):726–7

Why should an 'A' student be a better physician than a 'B' student? [editorial] Spaeth GL. **Ophthalmic Surg** 1984 Nov; 15(11):905-6

A physician's opportunity to contribute in the arts. James AE Jr. **Pharos** 1985 Summer;48(3):18-21

Physician knowledge and utilization of physical therapy procedures. Uili RM, et al. **Phys Ther** 1984 Oct; 64(10):1523-30

Medicine: an apt preparation for public office. Riordan ML. **Postgrad Med** 1984 Oct;76(5):13-8

Physician and staff. A new look at an old relationship. Weiss JJ. **Postgrad Med** 1985 Jan;77(1):66, 69, 72

Effects of nicotine chewing gum and follow-up appointments in physician-based smoking cessation. Fagerström KO. **Prev Med** 1984 Sep;13(5):517-27

Attitudes and practices of physicians regarding hypertension and smoking: The Stanford Five City Project. Fortmann SP, et al. **Prev Med** 1985 Jan;14(1):70-80

Smoking cessation with young women in public family planning clinics: the impact of physician messages and waiting room media. Li VC, et al. **Prev Med** 1984 Sep; 13(5):477-89

Effects of physician counseling on the smoking behavior of asbestos-exposed workers. Li VC, et al. **Prev Med** 1984 Sep;13(5):462-76

Prevention and health promotion in primary care: baseline results on physicians from the INSURE Project on Lifecycle Preventive Health Services. Rosen MA, et al. **Prev Med** 1984 Sep;13(5):535-48

Quality of emergency room care during the Israel doctors' strike. Slater PE, et al. **Public Health** 1984 Nov; 98(6):354-60

The meaning of being old in America: the responsibilities of the medical profession. Cluff LE. **Trans Am Clin Climatol Assoc** 1984;96:185-93

A study on the prevalence of urolithiasis among Turkish medical doctors. Bakkaloğlu MA, et al. **Turk J Pediatr** 1984;26(1-4):5-9

Contract medicine: what's in it for you? Bak B, et al. **Va Med** 1984 Jun;111(6):335-8

Physicians' own health--some advice for the advisors. Clever LH, et al. **West J Med** 1984 Dec;141(6):846-54 (46 ref.)

A clinician looks at health planning. Crawshaw R. **West J Med** 1984 Oct;141(4):531-3

Health screening of physicians. A role for local medical societies. Wells KB, et al. **West J Med** 1985 Feb; 142(2):268-70

[Participation of medical practitioners of a French region in an epidemiologic survey of morbidity] Hatton F, et al. **Arch Belg** 1984;42(1-2):26-37 **(Fre)**

[The professional independence of physicians] Villey R. **Bull Acad Natl Med (Paris)** 1984 Jan-Feb;168(1-2):218-23 **(Fre)**

[A computer program of ophthalmologic emergencies for nonophthalmologist-physicians] Tassy A, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):579-81 (Eng. Abstr.) **(Fre)**

[Practice conditions of Italian physicians in the 80s] Brenna A. **Cah Sociol Demogr Med** 1984 Jul-Sep;24(3):187-207 **(Fre)**

[Effects of 'new harmonization' on the right to charge and the reimbursement of costs of chief physicians] Rieger HJ. **Dtsch Med Wochenschr** 1985 Mar 8;110(10):392-3 **(Ger)**

[Can computers replace a physician's abilities? (editorial)] Gross R. **Wien Med Wochenschr** 1985 Jun 30;135(12):315-7 **(Ger)**

[Problems of the rising generation of physicians] Piaty R. **Wien Med Wochenschr [Suppl]** 1984;85:3-4 **(Ger)**

[A physician-attended mobile intensive care unit] Applebaum D. **Harefuah** 1984 Aug;107(3-4):71-3 (Eng. Abstr.) **(Heb)**

[20 years after the founding of the Labor Union] **Orv Hetil** 1985 Jan 27;126(4):221-2 **(Hun)**

[The world of physicians, nurses and patients (letter)] **Orv Hetil** 1985 Jun 23;126(25):1565 **(Hun)**

[Medical man-power and community health care in the city of Kitakyushu. Physicians working in the social welfare institutions and administrations] Kahyo H, et al. **Sangyo Ika Daigaku Zasshi** 1983 Mar 1;5(1):69-82 (Eng. Abstr.) **(Jpn)**

[Physicians in the drug industry] Flaten O. **Tidsskr Nor Laegeforen** 1985 Feb 28;105(6):440-1 (Eng. Abstr.) **(Nor)**

[The necessity of studying the health status of physicians in Poland] Chalas K, et al. **Pol Tyg Lek** 1984 Oct 15; 39(42):1361-4 **(Pol)**

[Evaluation of health status of physicians in Poland] Szadkowska-Stańczyk I, et al. **Pol Tyg Lek** 1984 Oct 15; 39(42):1365-72 (Eng. Abstr.) **(Pol)**

[Summation of the discussions on the problem of personnel in laboratory service] Morozova VT. **Lab Delo** 1985; (4):244-7 **(Rus)**

[Relations between laboratory physicians and their colleagues] Tkach IuI. **Lab Delo** 1984;(11):695-6 **(Rus)**

[Current occupational pathology in medical personnel] Ashbel' SI. **Sov Med** 1984;(7):66-9 **(Rus)**

[Images of physicians in literature and art] Skvortsov VIa, et al. **Sov Zdravookhr** 1984;(9):59-62 **(Rus)**

[World physicians for prevention of nuclear war] Likhachev AG. **Vestn Otorinolaringol** 1985 May-Jun;(3):14-22 **(Rus)**

[The professional profile of the physician] Schiappacasse E, et al. **Educ Med Salud** 1984;18(4):359-70 (Eng. Abstr.) **(Spa)**

[Consumption of drugs in a sample of rural physicians in the province of Valladolid] Carvajal A, et al. **Med Clin (Barc)** 1984 Oct 13;83(11):444-6 (Eng. Abstr.) **(Spa)**

ECONOMICS

Medicine and the marketplace [editorial] Dobson RL. **J Am Acad Dermatol** 1985 Jun;12(6):1099-100

Ethical dilemmas of the doctors' strike in Israel. Grosskopf I, et al. **J Med Ethics** 1985 Jun;11(2):70-1

HISTORY

Two hundred years of physicians in flight. **Aviat Space Environ Med** 1985 Jul;56(7):728

From barber-surgeon to modern doctor. Ackerknecht EH. **Bull Hist Med** 1984 Winter;58(4):545-53

Gentlemen and medical men: the problem of professional recruitment. Peterson MJ. **Bull Hist Med** 1984 Winter; 58(4):457-73

The selective transport of medical knowledge: antebellum American physicians and Parisian medical therapeutics. Warner JH. **Bull Hist Med** 1985 Summer;59(2):213-31

The physician as bibliographer. Blake JB. **Bull NY Acad Med** 1985 Apr;61(3):240-9

Physicians and healing personnel in the works of Flavius Josephus. Kottek SS. **Gesnerus** 1985;42(1-2):47-65

Some early physicians of Hawaii--1800s. Judd CS Jr. **Hawaii Med J** 1984 Jul;43(7):250

Physicians and psychics: the Anglo-American medical response to spiritualism, 1870-1890. Shortt SE. **J Hist Med Allied Sci** 1984 Jul;39(3):339-55

Excerpt from 1933. Physicians exceed need of U.S. population by 25,000. **J La State Med Soc** 1984 Oct; 136(10):7-8

A medical dynasty in New Jersey. Brodmen E. **J Med Soc NJ** 1984 Sep;81(9):779-84

The medical practitioners of provincial England in 1783. Lane J. **Med Hist** 1984 Oct;28(4):353-71

The new man of medicine in nineteenth-century Britain. Hill J. **Perspect Biol Med** 1985 Summer;28(4):581-6

Passion and pathology: Richard Selzer's philosophy of doctoring. Schuster CI. **Perspect Biol Med** 1984 Autumn; 28(1):65-73

Testimony of Menton--apprentice to Urlugaledin, high priest and physician of Babylon. Keene CH. **Pharos** 1985 Summer;48(3):27

Famous physicians-botanists. Dubovsky H. **S Afr Med J** 1985 Jun 1;67(22):901-5

[Jan Neruda and physicians] Málek P. **Cas Lek Cesk** 1984 Dec 21;123(51):1575-7 **(Cze)**

[Physicians in the war for the liberation of the Czech people] Nikliček L, et al. **Cas Lek Cesk** 1985 May 10; 124(19):595-601 **(Cze)**

[A lasting legacy] Nikliček L. **Cesk Zdrav** 1985 May; 33(5):193-7 **(Cze)**

[Plethora and the art of healing. The uneasiness of Liège physicians in the 19th century] Havelange C. **Rev Med Liege** 1984 Oct 1;39(19):676-95 **(Fre)**

[Swiss medical students and physicians in the region between Padua and Trieste] Premuda L. **Gesnerus** 1984; 41(3-4):299-321 (Eng. Abstr.) **(Ger)**

[Physicians and medicine in a group of denigrating texts of the past and present] Capuano M. **Minerva Med** 1984 Oct 20;75(40):2389-94 **(Ita)**

[Ignacy Schuch--the Sandomierz physician] Bec M, et al. **Arch Hist Med (Warsz)** 1984;47(3):383-7 (Eng. Abstr.) **(Pol)**

[Opinions of Polish physicians with regard to their work in Hungary (1939-1945)] Csorba T. **Arch Hist Med (Warsz)** 1984;47(2):221-37 (Eng. Abstr.) **(Pol)**

[Physicians in World War II] Kositskii GI. **Kardiologiia** 1985 May;25(5):7-8 **(Rus)**

[Heroic exploits of the physicians of Bashkiria] Ibragimov NG. **Sov Zdravookhr** 1985;(1):53-5 **(Rus)**

[The Pribylevs - revolutionaries and physicians] Malozemova AI. **Sov Zdravookhr** 1984;(8):62-5 **(Rus)**

[The forensic physicians of blockaded Leningrad] Molchanov VI, et al. **Sud Med Ekspert** 1985 Apr-Jun;28(2):16-8 **(Rus)**

[Internists during the war (on the 40th anniversary of the victory in World War II)] Lidov IP. **Ter Arkh** 1985; 57(5):14-7 **(Rus)**

[Prominent chief surgeons on the fronts during World War II] Lytkin MI, et al. **Vestn Khir** 1985 May;134(5):9-17 (Eng. Abstr.) **(Rus)**

[History of the health care profession in the town of Novi Sad] Sosberger P. **Med Pregl** 1985;38(3-4):211-5 (Eng. Abstr.) **(Scr)**

LEGISLATION & JURISPRUDENCE

Another cause for litigation [letter] Liston SL, et al. **JAMA** 1985 Jun 7;253(21):3095

Doctor Berglund warns members of union pitfalls. **Mich Med** 1985 Jan;84(1):26, 28

Contractual arrangements between lay corporations and physicians--patient safeguards--Part II. Wilcox DP. **Tex Med** 1985 Aug;81(8):79-81

PSYCHOLOGY

Successful use of naltrexone in addicted physicians and business executives. Washton AM, et al. **Adv Alcohol Subst Abuse** 1984 Winter;4(2):89-96

The developmental process of residency education. Issues of stress and happiness. Rotbart HA, et al. **Am J Dis Child** 1985 Aug;139(8):762-5

Care of patients with incurable, chronic neoplasm. One patient's perspective. Papper S. **Am J Med** 1985 Feb; 78(2):271-6

Sued and nonsued physicians' self-reported reactions to malpractice litigation. Charles SC, et al. **Am J Psychiatry** 1985 Apr;142(4):437-40

The effects of physicians' training and personality on test ordering for ambulatory patients. Epstein AM, et al. **Am J Public Health** 1984 Nov;74(11):1271-3

Physician attitudes and practices at the time of patient death. Tolle SW, et al. **Arch Intern Med** 1984 Dec;144(12):2389-91

Attitudes of dentists and physicians toward the use of dietary fluoride supplements. Gift HC, et al. **ASDC J Dent Child** 1985 Jul-Aug;52(4):265-8

Doctors in the witness box. Carson D. **Br J Hosp Med** 1985 May;33(5):283-6

Mentally ill doctors. Rucinski J, et al. **Br J Hosp Med** 1985 Feb;33(2):90-4

Nurse/physician relations: a perspective from medicine. Rosenberg C. **Bull NY Acad Med** 1984 Oct;60(8):807-10

Nurse-physician collaboration: a review of some barriers to its fulfillment. Speedling EJ. **Bull NY Acad Med** 1984 Oct; 60(8):811-8

Nurse/physician relations: a perspective from nursing. Stevens BJ. **Bull NY Acad Med** 1984 Oct;60(8):799-806

Survey of physicians' attitudes and practices in early cancer detection. **CA** 1985 Jul-Aug;35(4):197-213

Hong Kong physicians prepare for the future. Gray C. **Can Med Assoc J** 1985 Apr 15;132(8):967-8

The physician episode of care: a framework for analyzing physician behavior regarding use of clinical and technical resources. Pineault R. **Clin Invest Med** 1985;8(1):48-55

Will hospitals 'take away' your geriatric patients?[news] Raber P. **Geriatrics** 1985 Sep;40(9):95-6

The physician perspective of health psychologists in medical settings. Nethercut G, et al. **Health Psychol** 1984; 3(2):175-84

Physician acceptance of home care for terminally ill children. Edwardson SR. **Health Serv Res** 1985 Apr;20(1):83-101

Physician suicide. Preven DW. **Hillside J Clin Psychiatry** 1981;3(1):61-70

Physician attitudes toward early cancer detection. Havlicek PL, et al. **IMJ** 1984 Oct;166(4):285-9

Malpractice suit. Hoffmann N. **IMJ** 1985 Apr;167(4):325

A study of knowledge, attitude and practice of leprosy among doctors of Bhopal, India. Sandhu HS, et al. **Ind J Lepr** 1984 Jul-Sep;56(3):633-40

Improving physician compliance with preventive medicine guidelines. Mandel I, et al. **J Fam Pract** 1985 Sep; 21(3):223-4

Physician compliance with colorectal cancer screening (1978-1983): the impact of flexible sigmoidoscopy. Rodney WM, et al. **J Fam Pract** 1985 Mar;20(3):265-9

The impact of two teaching techniques on physicians' knowledge and performance. Greenberg LW, et al. **J Med Educ** 1985 May;60(5):390-6

Attitudes of internists in practice toward their ambulatory care education. Mitchell WD, et al. **J Med Educ** 1985 May; 60(5):415-7

What makes doctors use computers?: discussion paper. Young DW. **J R Soc Med** 1984 Aug;77(8):663-7

Anesthesiologists' practice of obstetric anesthesiology. Spielman FJ, et al. **J Reprod Med** 1984 Sep;29(9):683-5

Sexual orientation and physicians' fitness for military duty [letter] Harris SE. **JAMA** 1984 Dec 28;252(24):3364-5

The impact of selected patient characteristics on practitioners' treatment recommendations for end-stage renal disease. Deber RB, et al. **Med Care** 1985 Feb; 23(2):95-109

Career preferences under conditions of medical unemployment. The case of interns in Mexico. Frenk J. **Med Care** 1985 Apr;23(4):320-32

Factors affecting physicians' choice to practice in a fee-for-service setting versus an individual practice association. Freund DA, et al. **Med Care** 1985 Jun; 23(6):799-808

A course in clinical decision making adaptable to diverse audiences. Cebul RD, et al. **Med Decis Making** 1984; 4(3):285-96

'A Look at the Chief Complaints' revisited. Current obstacles and opportunities for decision analysis. Cebul RD. **Med Decis Making** 1984;4(3):271-83

Doctors and decision analysis [editorial] Fineberg HV. **Med Decis Making** 1984;4(3):267-70

Recall of medical information by students and doctors. Claessen HF, et al. **Med Educ** 1985 Jan;19(1):61-7

Medical problem-solving: some questionable assumptions. Groen GJ, et al. **Med Educ** 1985 Mar;19(2):95-100

Prospects for teaching hospitals. The clinician's viewpoint. Doyle AE. **Med J Aust** 1985 Feb 18;142(4):261-3

Prospects for teaching hospitals. The clinician's viewpoint. Tracy GD. **Med J Aust** 1985 Feb 18;142(4):263-5

Seasons of survival: reflections of a physician with cancer. Mullan F. **N Engl J Med** 1985 Jul 25;313(4):270-3

How can we know when we are doing more good than harm for a terminally-ill cancer patient? Fletcher RH. **NC Med J** 1985 Feb;46(2):85-8

Dietary treatment of chronic renal failure: why is it not used more frequently? Giovannetti S. **Nephron** 1985;40(1):1-12

Studies in general practice: interpractice differences. Gastpar M. **Pharmacopsychiatry** 1984 Sep;17(5):148-51

Psychodynamic perspectives of training in child psychiatry. Meijer A. **Psychiatr Q** 1983 Winter;55(4):261-7

Affective aspects of clinical reasoning: their importance in assessment of behavioral diagnoses in medical patients. Greenberg DB, et al. **Psychol Rep** 1984 Aug;55(1):143-9

Physicians as patients: a comparative study of attitudes of physicians and non-physicians. Edelstein EL, et al. **Psychopathology** 1984;17(5-6):213-6

Stress and the practice of medicine. III. Physicians compared with lawyers. Krakowski AJ. **Psychother Psychosom** 1984; 42(1-4):143-51

Establishing patient rapport and communication. Jarratt L, et al. **SD J Med** 1985 Jan;38(1):19-23 (12 ref.)

A scale to measure physician beliefs about psychosocial aspects of patient care. Ashworth CD, et al. **Soc Sci Med** 1984;19(11):1235-8

Learning medical fallibility. Carmichael DH. **South Med J** 1985 Jan;78(1):1-3

Retired. Return to sender. Lynch JP. **Va Med** 1985 Feb; 112(2):102-3

Suggestions for increased job satisfaction for doctors and for improved patient care. Rawlins JM, et al. **West Indian Med J** 1984 Jun;33(2):87-91

Physician resistance to treating the elderly: facing our own future. Hay DP. **Wis Med J** 1984 Oct;83(10):33-7

[Yes doctor, I understand that you know nothing about it, but what do you think about it?] Donker PM. **Ned Tijdschr Geneeskd** 1985 May 25;129(21):984-5 **(Dut)**

[Medical decision making; pro or con?] Oosterhuis HJ. **Ned Tijdschr Geneeskd** 1984 Oct 13;128(41):1948-51 **(Dut)**

[Methods of autoregulation and the physician] Borgeat F. **Union Med Can** 1984 Dec;113(12):1049-51 (Eng. Abstr.) **(Fre)**

[Data on job and career choice satisfaction among physicians based on nationwide studies] Góralczyk-Modzelewska M, et al. **Pol Tyg Lek** 1984 Oct 15;39(42):1385-90 (Eng. Abstr.) **(Pol)**

[Tobacco smoking habit among physicians in Poland] Kaczmarek-Chalas K, et al. **Pol Tyg Lek** 1984 Oct 15; 39(42):1395-400 (Eng. Abstr.) **(Pol)**

[Self-evaluation of occupational psychological stress in physicians' work] Wichrowski A, et al. **Pol Tyg Lek** 1984 Oct 15;39(42):1381-3 (Eng. Abstr.) **(Pol)**

[Major principles of the personality development of a physician-internist] Vogralik VG. **Sov Med** 1984;(9):56-9 **(Rus)**

[Health education in the work of a physician] Kal'chenko EI, et al. **Sov Zdravookhr** 1984;(11):37-40 (Eng. Abstr.) **(Rus)**

STANDARDS

Criteria for selection of future physicians. Sade RM, et al. **Ann Surg** 1985 Feb;201(2):225-30

Judge physicians by care, not income [letter] Bixel JK. **Ohio State Med J** 1984 Sep;80(9):629

On iron men in wooden ships: some thoughts on house staff training--1984. Rogers DE. **Trans Am Clin Climatol Assoc** 1984;96:212-6

[Medical professional skill--broader, thinner or deeper?] Nikkilä E. **Duodecim** 1985;101(1):8-12 **(Fin)**

SUPPLY & DISTRIBUTION

Social policy implications of physician shortage areas in Missouri. Hicks LL. **Am J Public Health** 1984 Dec; 74(12):1316-21

Physician investigators for academic medicine [editorial] Burns TW. **Ann Intern Med** 1984 Nov;101(5):708-9

A surplus of dermatologists. Wherefrom and whereto. Weary PE. **Arch Dermatol** 1984 Oct;120(10):1295-7

Does Arizona really need more physicians? King BF, et al. **Ariz Med** 1985 Mar;42(3):169-74

Exodus of physicians [letter] Dandavino R. **Can Med Assoc J** 1985 Jan 1;132(1):11

Exodus of physicians [letter] Murray TJ. **Can Med Assoc J** 1984 Oct 1;131(7):713

Physician resource databank: numbers, distribution and activities of Canada's physicians. Woodward C, et al. **Can Med Assoc J** 1985 May 15;132(10):1175-9, 1182-8

SEARC[illegible]rogram targets rural physician shortage. de Cast[illegible] O. **Colo Med** 1984 Dec;81(12):313-4, 316, 318

Service areas for ambulatory medical care. Makuc D, et al. **Health Serv Res** 1985 Apr;20(1):1-18

The physician/population ratio as a proxy measure of the adequacy of health care. Chen MK, et al. **Int J Epidemiol** 1985 Jun;14(2):300-3

Physician surplus: boon or boondogggle [editorial] Schrodt GR. **J Ky Med Assoc** 1985 Feb;83(2):85

An assessment of Louisiana's current physician manpower planning activities. Samaha PA, et al. **J La State Med Soc** 1984 Oct;136(10):28-33

Physician surplus and the new medical marketplace--contemporary challenges to medical education. Nutter DO. **J Med Assoc Ga** 1984 Sep; 73(9):605-10

The coming abundance of physicians--the national outlook. Schwab PM. **J Med Assoc Ga** 1984 Aug;73(8):547-51, 554

Physician specialist growth into the 21st century. Kindig DA. **J Med Educ** 1985 Jul;60(7):558-9

Effect of rising percentage of female physicians on projections of physician supply. Lanska MJ, et al. **J Med Educ** 1984 Nov;59(11 Pt 1):849-55

Factors predictive of physician location. Leonardson G, et al. **J Med Educ** 1985 Jan;60(1):37-43

Changing the physician supply by magic numbers and words [editorial] Pearse WH. **J Med Educ** 1985 Jul;60(7):572

Health care problems in the 1980s: Part II. The black physician and the challenges of the 1980s. Tuckson R. **J Natl Med Assoc** 1984 Oct;76(10):977-80

Physician manpower production critique. State of Oklahoma. Council on Medical Education of the Oklahoma State Medical Association. **J Okla State Med Assoc** 1985 Jun; 78(6):191-4

Estimated physician manpower requirements for Oklahoma in 1990. Duffy FD, et al. **J Okla State Med Assoc** 1985 Jun;78(6):183-90

Production and utilization of physicians in Oklahoma. Rich C. **J Okla State Med Assoc** 1985 Jul;78(7):217-8

The medical career structure in 1985. Thompson RP. **J R Coll Physicians Lond** 1985 Jan;19(1):31-3

Factors influencing the distribution of black physicians in South Carolina. Griffin MD, et al. **J SC Med Assoc** 1984 Dec;80(12):616-21

Physician manpower in Tennessee in 1978 and 1983. Bryan TE, et al. **J Tenn Med Assoc** 1984 Dec;77(12):709-13

Physicians for rural areas [letter] Berning RA. **JAMA** 1985 Mar 15;253(11):1557

Physicians for the developing world [letter] Day SB. **JAMA** 1984 Dec 14;252(22):3128

How many doctors do we need? The tenth annual Duke Private Sector Conference. Iglehart JK. **JAMA** 1985 Oct 4;254(13):1785-8

Growth in the international physician supply. 1950 through 1979. Kindig DA, et al. **JAMA** 1985 Jun 7;253(21):3129-32

Nursing home patients underserved [letter] Shepard M, et al. **JAMA** 1985 Jan 18;253(3):343

Reduced physician surplus [letter] Sobel J. **JAMA** 1985 Feb 8;253(6):777-8

Characteristics of physician practice patterns in Maryland, 1981-1982. Health Manpower and Planning Committee. **Md State Med J** 1984 Sep;33(9):697-700

Testing for physician-induced demand with hypothetical cases. Hemenway D, et al. **Med Care** 1985 Apr;23(4):344-9

Foreign and United States medical graduates in practice. A follow-up. Mick SS, et al. **Med Care** 1984 Nov; 22(11):1014-25

Who needs more doctors [letter] Lipkin M. **N Engl J Med** 1985 Oct 10;313(15):960-1

Cost containment by a naval armada. Maloney JV Jr, et al. **N Engl J Med** 1985 Jun 27;312(26):1713-4

A president argues against reducing the sizes of medical school classes [letter] Mayer J. **N Engl J Med** 1985 Apr 18;312(16):1067-8

Inequality in the availability of black physicians. McBride D. **NY State J Med** 1985 Apr;85(4):139-42

Changes in Pennsylvania's physician supply. Cordes SM, et al. **Pa Med** 1985 Feb;88(2):55-8

Doctors in Papua New Guinea--current and future supply. Biddulph J. **Papua New Guinea Med J** 1983 Sep-Dec; 26(3-4):207-11

Anxiety within the Aesculapian shrine. The high priests of medicine tighten their cinctures. Benjamin WW. **Postgrad Med** 1985 Mar;77(4):246-9, 252-3

Impact of increased physician supply on use of health services: a longitudinal analysis in rural Minnesota. Krishan I, et al. **Public Health Rep** 1985 Jul-Aug;100(4):379-86

Medical manpower: how many physicians can Rhode Island absorb? **RI Med J** 1985 Mar;68(3):117

South Dakota physician location factors. Leonardson GR, et al. **SD J Med** 1985 Apr;38(4):29-35

Supply projections as planning: a critical review of forecasting net physician requirements in Canada. Lomas J, et al. **Soc Sci Med** 1985;20(4):411-24

Physician oversupply--the views of 1,900 California physicians. Purdy RJ. **West J Med** 1985 Apr;142(4):573-4

[Basic problems in determining the need for physicians and allied health personnel] Smolek A. **Cesk Zdrav** 1984 Oct; 32(10):414-8 (Eng. Abstr.) **(Cze)**

[Prognosis for physicians and pharmacists to the year 2000] Svatošová J, et al. **Cesk Zdrav** 1984 Dec;32(12):497-503 (Eng. Abstr.) **(Cze)**

[Demographic structure and occupational work load of physicians in Poland] Kaczmarczyk-Chałas K, et al. **Pol Tyg Lek** 1984 Oct 15;39(42):1373-9 (Eng. Abstr.) **(Pol)**

[Medical care, medical education, and the job market for physicians: internship in Mexico] Frenk J. **Educ Med Salud** 1984;18(4):329-43 (Eng. Abstr.) **(Spa)**

[Medical education and the need for physicians] Neghme A. **Rev Med Chil** 1984 Jun;112(6):614-24 (Eng. Abstr.) **(Spa)**

TRENDS

Physicians for the twenty-first century. Report of the Project Panel on the General Professional Education of the Physician and College Preparation for Medicine. **J Med Educ** 1984 Nov;59(11 Pt 2):1-208

[Changes in the medical profession in the USA and USSR 1970-1980: demand and order] Field MG. **Cah Sociol Demogr Med** 1984 Oct-Dec;24(4):291-319 **(Fre)**

[Demographic development and expansion of the medical corps in the Federal Republic of Germany] Horbach L, et al. **Cah Sociol Demogr Med** 1984 Oct-Dec;24(4):275-90 **(Fre)**

[Trends in the demography and remuneration of health professions in the countries of the OECD (Organization for Economic Cooperation and Development)] Poullier JP. **Cah Sociol Demogr Med** 1984 Oct-Dec;24(4):321-36 **(Fre)**

UTILIZATION

Determinants of physician utilization among Mexican-Americans. A three-generations study. Markides KS, et al. **Med Care** 1985 Mar;23(3):236-46

Elderly nonusers of health care services. Their characteristics and their health outcomes. Shapiro E, et al. **Med Care** 1985 Mar;23(3):247-57

Use of a physician consultant in a primary care nursing practice. Sadowski KO, et al. **Nurse Pract** 1985 Jun; 10(6):33-4, 36, 38

PHYSICIANS' ASSISTANTS

Practice characteristics of male and female physician assistants. Oliver DR, et al. **Am J Public Health** 1984 Dec; 74(12):1398-400

Connecticut physician assistants: update. Kohlhepp W, et al. **Conn Med** 1984 Oct;48(10):657-60

Prescriptive authority: the physician assistants' views. Fincham JE. **J Med Assoc Ga** 1985 Feb;74(2):81-3

A Delphi study to identify future roles for physician's assistants. Shelton SR, et al. **J Med Educ** 1984 Dec; 59(12):962-3

Profile of the Wisconsin physician assistant. Ladinsky JL, et al. **Wis Med J** 1984 Sep;83(9):11-3

[Surgery performed by inexperienced physicians] Müller R. **HNO** 1984 Sep;32(9):400 **(Ger)**

ECONOMICS

Cost-effectiveness of non-physician health care professionals. Poirier-Elliott E. **Nurse Pract** 1984 Oct;9(10):54-6

EDUCATION

First assisting for RNs. Planning and implementing a course. Leske JS, et al. **AORN J** 1985 Aug;42(2):185-92

Psychiatrist's assistants [letter] O'Leary P. **Hosp Community Psychiatry** 1984 Oct;35(10):1042

An interdisciplinary teaching program in geriatrics for physician's assistants. Stark R, et al. **J Allied Health** 1984 Nov;13(4):280-7

On nonphysician 'associate residents' [letter] **N Engl J Med** 1984 Nov 15;311(20):1323-4

HISTORY

[The Tobolsk feldshers' school and its role in the creation of revolutionaries] Viduta VK. **Sov Zdravookhr** 1984; (8):57-9 **(Rus)**

LEGISLATION & JURISPRUDENCE

Vicarious liability and the physician's assistant. Avery JK. **J Tenn Med Assoc** 1985 Jan;78(1):31-2

STANDARDS

The dodo you save may be your own. Hyman J. **Ala Med** 1984 Oct;54(4):9-10, 13

Recertification: toward the development of standards for assuring continued competence. Campbell AB, et al. **J Allied Health** 1984 Nov;13(4):252-62

SUPPLY & DISTRIBUTION

Factors affecting the distribution of physician assistants in New York State: policy implications. Leiken AM. **J Public Health Policy** 1985 Jun;6(2):236-43

TRENDS

The physician assistant profession: current status and future trends. Cawley JF. **J Public Health Policy** 1985 Mar; 6(1):78-99

UTILIZATION

The physician assistant and care of the geriatric patient. Yturri-Byrd K, et al. **Gerontol Geriatr Educ** 1984 Fall; 5(1):33-41

Extending the extenders. Compromise for the geriatric specialization-manpower debate. Romeis JC, et al. **J Am Geriatr Soc** 1985 Aug;33(8):559-65

PHYSICIANS' EXTENDERS see **PHYSICIANS' ASSISTANTS**

PHYSICIANS, FAMILY

Occupational health monitoring and surveillance. Guidotti TL. **Am Fam Physician** 1985 Feb;31(2):161-9 (8 ref.)

The family physician and adoption. Melina CM, et al.

Am Fam Physician 1985 Feb;31(2):109–18 (13 ref.)

How primary care physicians treat psychiatric disorders: a national survey of family practitioners. Orleans CT, et al. **Am J Psychiatry** 1985 Jan;142(1):52–7

The internist as gatekeeper. Preparing the general internist for a new role. Eisenberg JM. **Ann Intern Med** 1985 Apr; 102(4):537–43

Standards of accreditation. Teaching posts in general practice. Breidahl WF. **Aust Fam Physician** 1985 May; 14(5):468–9

The recognition of psychiatric illness by non-psychiatrists. Goldberg D. **Aust NZ J Psychiatry** 1984 Jun;18(2):128–33

The general practitioner's role in the detection of alcohol misuse in the community. Bligh J. **Br J Clin Pract [Symp Suppl]** 1984;36:29–35

How hard do general practitioners work? [editorial] Bain J. **Br Med J [Clin Res]** 1984 Dec 1;289(6457):1474–5

General practitioners and the Griffiths report. Ellis N. **Br Med J [Clin Res]** 1985 Feb 9;290(6466):483–5

Academic general practice. Horder J. **Br Med J [Clin Res]** 1984 Oct 27;289(6452):1117–8

American family physicians battle HMOs. Korcok M. **Can Med Assoc J** 1985 Sep 1;133(5):480–7

Treatment for abusive men: do physicians have a role? Oglov L. **Can Med Assoc J** 1985 Jul 1;133(1):58–60

General practice and the general practitioner in Zimbabwe today [editorial] Greenfield D. **Cent Afr J Med** 1984 Jul; 30(7):134–6

Evaluation of family physician prescribing: influence of the clinical pharmacist. Carter BL, et al. **Drug Intell Clin Pharm** 1984 Oct;18(10):817–21

The attitude of private practitioners in Nairobi towards alcoholism and alcohol-related problems. Dhadphale M, et al. **East Afr Med J** 1985 Jan;62(1):32–7

The denominator for audit in general practice. Fleming DM. **Fam Pract** 1985 Jun;2(2):76–81

Audit on hypertension management in general practice. Neville RG, et al. **Fam Pract** 1984 Sep;1(3):168–72

Nursing homes: why primary care MDs should get involved. Weinberg AD, et al. **Geriatrics** 1985 Jan;40(1):21, 24

Communication between psychiatrists and general practitioners. What sort of letters should psychiatrists write? Yellowlees AJ, et al. **Health Bull (Edinb)** 1984 Nov; 42(6):285–96

The impact of residency training on the productivity of family physicians. Cherkin DC, et al. **Inquiry** 1984 Summer; 21(2):152–60

Chronic illness and the family physician. Goss KG. **J Arkansas Med Soc** 1984 Oct;81(5):249–51

Recruitment of subjects for fecal occult blood screening: a comparison of two methods in Jerusalem. Slater PE, et al. **J Clin Gastroenterol** 1985 Feb;7(1):51–4

The shared burden: when physicians and families decide to forego life-sustaining treatment. Erstling SS. **J Fam Pract** 1985 Apr;20(4):393–9

The family physician as a legal consultant. Hahn RG, et al. **J Fam Pract** 1985 Jun;20(6):569–72

The quality of emergency room radiograph interpretations. McLain PL, et al. **J Fam Pract** 1985 May;20(5):443–8

Family physicians in an information society. Strode SW. **J Fam Pract** 1984 Nov;19(5):695–6

My doctor. Freeling P. **J R Soc Med** 1985 Jan;78(1):8–17

Advertising by general practitioners [editorial] **Lancet** 1985 Jul 27;2(8448):193–4

Doctors' knowledge of the costs of medical care. Fowkes FG. **Med Educ** 1985 Mar;19(2):113–7

Who should provide primary health care to children: pediatricians or family medicine physicians? Hoekelman RA, et al. **Pediatrics** 1984 Oct;74(4):460–77

Building a pathway to better health. The primary care physician's role. Fletcher DJ. **Postgrad Med** 1985 Jan; 77(1):297–8, 301–2, 307–10

Office laboratory equipment. Should you consider automation? Wróblewski F. **Postgrad Med** 1984 Oct; 76(5):211–3, 216–8

Child abuse and neglect. The role of the primary care physician in recognition, treatment, and prevention. Krugman RD. **Primary Care** 1984 Sep;11(3):527–34

The present and future role of general practice surgery. Ellis CG. **S Afr Med J** 1985 Aug 17;68(4):254–7

[Postpartum sterilization and the private practitioner] De Villiers VP. **S Afr Med J** 1985 Jan 26;67(4):132–3 (Eng. Abstr.) **(Afr)**

[Attitudes of general practitioners to the use of vaginal cytological examination in the County of Arhus] Olesen F, et al. **Ugeskr Laeger** 1984 Jul 30;146(31):2329–31 (Eng. Abstr.) **(Dan)**

[Preventive action potential of the primary care physician] Nemitz I. **Soz Praventivmed** 1985;30(3):170–2 (Eng. Abstr.) **(Fre)**

[Drug surveillance as seen by the general practitioner. Apropos of a survey of 4175 physicians] Begaud B, et al. **Therapie** 1984 Sep–Oct;39(5):453–7 **(Fre)**

[The general practitioner as a forensic medical officer at the examination of a corpse] Zink P. **Schweiz Rundsch Med Prax** 1984 Aug 14;73(33):1002–6 (Eng. Abstr.) **(Ger)**

ECONOMICS

Yet another delay for announcement of government's proposals on primary care? Deitch R. **Lancet** 1985 Apr 13;1(8433):881

EDUCATION

Evaluation of an educational program for primary care practitioners, on the management of osteoarthritis. Stross JK, et al. **Arthritis Rheum** 1985 Jan;28(1):108–11

Task force on education for the provision of primary care services [letter] Batty HP. **Can Med Assoc J** 1984 Oct 1; 131(7):716–7

The influence of trainers on trainees in general practice [letter] **Fam Pract** 1984 Sep;1(3):191–6

[Postgraduate training of primary health care physicians in internal medicine] Sterkowicz S. **Wiad Lek** 1984 Sep 1; 37(17):1391–5 (Eng. Abstr.) **(Pol)**

HISTORY

The concept of the family doctor. Loudon I. **Bull Hist Med** 1984 Fall;58(3):347–62

Becoming a part of medical history. Prucha ZS. **Can Med Assoc J** 1985 Feb 15;132(4):463–5

LEGISLATION & JURISPRUDENCE

Doctor sues BBC and two other doctors for libel. Dyer C. **Br Med J [Clin Res]** 1984 Nov 17;289(6455):1386–7

PSYCHOLOGY

Impact of patient care appraisal on physician behaviour in the office setting. Putnam RW, et al. **Can Med Assoc J** 1985 May 1;132(9):1025–9

A method of analysing general practitioner decision making concerning home or hospital coronary care. Stephenson AE, et al. **Community Health Stud** 1984;8(3):297–300

Occupational stress, social support, and depression. Revicki DA, et al. **Health Psychol** 1985;4(1):61–77

Professional stress among family physicians. May HJ, et al. **J Fam Pract** 1985 Feb;20(2):165–71

Patient and physician perspectives of work-related illness in family practice. Stein EC, et al. **J Fam Pract** 1985 Jun; 20(6):561–5

The structure of medical knowledge in the memories of medical students and general practitioners: categories and prototypes. Bordage G, et al. **Med Educ** 1984 Nov; 18(6):406–16

SUPPLY & DISTRIBUTION

The 'trickle-down' theory--is that any way to make policy? [editorial] Budetti PP. **Am J Public Health** 1984 Dec; 74(12):1303–4

A study of family practice needs in rural Colorado. Fryer GE Jr, et al. **Colo Med** 1984 Dec;81(12):319–20, 322, 324

An analysis of the current and projected need for primary care physicians in Maryland. Weiner JP, et al. **Md State Med J** 1984 Sep;33(9):732–5, 740–6

The Maryland Task Force on Family Physicians: deliberations and recommendations. Willian MK, et al. **Md State Med J** 1984 Sep;33(9):726–31

UTILIZATION

The hidden mental health network. Treatment of mental illness by nonpsychiatrist physicians. Schurman RA, et al. **Arch Gen Psychiatry** 1985 Jan;42(1):89–94

[Utilization of general practitioners in the county of Copenhagen by the adult population 1977–1979 illustrated by the health insurance register. The contact population accumulated over a 3-year period] Pedersen PA, et al. **Ugeskr Laeger** 1984 Aug 27;146(35):2647–51 (Eng. Abstr.) **(Dan)**

PHYSICIANS' OFFICES see under **HEALTH FACILITIES**

PHYSICIAN'S ROLE see under **ROLE**

PHYSICIANS, WOMEN

Women in emergency medicine [editorial] Blair T. **Ann Emerg Med** 1984 Nov;13(11):1071

Women, men, and examination scores [letter] Bowman MA, et al. **Ann Intern Med** 1985 May;102(5):725–6

House staff pregnancy in internal medicine residencies. Greganti MA, et al. **Ann Intern Med** 1985 Jan;102(1):123–5

Women doctors in urban general practice: the patients. Cooke M, et al. **Br Med J [Clin Res]** 1985 Mar 9;290(6470):753–5

An open letter to the chairman of the working party on part time postgraduate training. Roberts S. **Br Med J [Clin Res]** 1984 Oct 6;289(6449):933–5

Provision for maternity leave for general practitioners. Schofield P, et al. **Br Med J [Clin Res]** 1985 Feb 16; 290(6467):525–6

Women and men as surgeons: are the problems really different? Kinder BK. **Curr Surg** 1985 Mar–Apr;42(2):100–4

Women surgeons: how much of an impact? McNamara MF. **Curr Surg** 1985 Mar–Apr;42(2):94–100

Maternity leave in residency. Herman G. **IMJ** 1984 Nov; 166(5):332–3

Child rearing practice among women doctors of Tamilnadu [letter] Ayyappan C, et al. **Indian Pediatr** 1984 Dec; 21(12):989

Why do women physicians work fewer hours than men physicians? Mitchell JB. **Inquiry** 1984 Winter;21(4):361–8

The residency interview. Batchelor AJ. **J Am Med Wom Assoc** 1985 Mar–Apr;40(2):42, 61

Our Alianza and how it grew. Brodie JL. **J Am Med Wom Assoc** 1984 Nov–Dec;39(6):198–9

AWHS: 67 years of service. Morrow LE. **J Am Med Wom Assoc** 1984 Nov–Dec;39(6):196–7

The mentor system in medicine--how it works for women. Sirridge MS. **J Am Med Wom Assoc** 1985 Mar–Apr; 40(2):51–3

Survey of anatomists in academia. Zimny ML, et al. **J Am Med Wom Assoc** 1985 Mar–Apr;40(2):54–6

Female physicians [letter] Bowman MA, et al. **J Med Educ** 1985 Apr;60(4):352

Female physicians [letter] Lanska MJ, et al. **J Med Educ** 1985 Jun;60(6):508–9

Effect of rising percentage of female physicians on projections of physician supply. Lanska MJ, et al. **J Med Educ** 1984 Nov;59(11 Pt 1):849–55

Impact of women and foreign medical graduates on specialty distribution of U.S. house officers. Mick SS, et al. **J Med Educ** 1984 Dec;59(12):921–7

Correlates of midlife career achievement among women physicians. Graves PL, et al. **JAMA** 1985 Aug 9; 254(6):781–7

A woman doctor in Victorian fiction. Hill J. **Pharos** 1985 Summer;48(3):8–11

Discrimination against women in the South African medical profession. Unterhalter B. **Soc Sci Med** 1985;20(12):1253–8

[Women physicians and their working conditions] Kastrup M, et al. **Nord Med** 1984;99(8–9):220–1 (Eng. Abstr.) **(Dan)**

[Two generations--what is happening to them? Women physicians and their working conditions. Susanne Helweg-Larsen and Viveke Binder interviewed by Birgit Petersson and Ulla Christensen] Helweg-Larsen S, et al. **Ugeskr Laeger** 1985 Jan 21;147(4):303–6 **(Dan)**

[Differences in absenteeism due to illness among women physicians and nurses in outpatient clinics and hospitals] Kabat Z, et al. **Pol Tyg Lek** 1984 Oct 15;39(42):1391–4 (Eng. Abstr.) **(Pol)**

HISTORY

Women in Arizona medicine: Mary Lawson Neff, M.D.--Part I. Hancock V 3d. **Ariz Med** 1984 Nov; 41(11):750–4

Women and the GMC. Scott JM. **Br Med J [Clin Res]** 1984 Dec 22–29;289(6460):1764–7

Trotula, women's problems, and the professionalization of medicine in the Middle Ages. Benton JF. **Bull Hist Med** 1985 Spring;59(1):30–53

History of women surgeons. Longo MF. **Curr Surg** 1985 Mar–Apr;42(2):91–3

Surpassing obstacles: black women in medicine. Blount M. **J Am Med Wom Assoc** 1984 Nov–Dec;39(6):192–5

Virginia Apgar: a woman physician's career in a developing specialty. Calmes SH. **J Am Med Wom Assoc** 1984 Nov–Dec;39(6):184–8

Two generations of women physicians: the New York Infirmary, 1870–1899. Farley F. **J Am Med Wom Assoc** 1984 Nov–Dec;39(6):189–91

Women physicians of New Jersey: the early era. Haycock CE. **J Med Soc NJ** 1984 Sep;81(9):773–7

The sociology of science: women and medicine in nineteenth century Mississippi. Bridgforth LR. **J Miss State Med Assoc** 1985 Jan;26(1):9–13

The surgeoness: the female practitioner of surgery 1400–1800. Wyman AL. **Med Hist** 1984 Jan;28(1):22–41

The black woman physician. Goodwin NJ. **NY State J Med** 1985 Apr;85(4):145–7

Women in medical school [letter] Kampmeier RH. **South Med J** 1984 Sep;77(9):1217

Women in urology: a splash in the pan. Gillespie L, et al. **Urology** 1985 Jan;25(1):93–7

[Distinguished women in pediatrics in Ostrava] Březina Z. **Cas Lek Cesk** 1985 Mar 8;124(10):315–7 **(Cze)**

[The 'Union Médicale'in 1875. Women physicians] **Union Med Can** 1985 May;114(5):432–3 **(Fre)**

[History of the higher medical education of women in Russia] Vasil'ev KK. **Sov Zdravookhr** 1985;(3):69–72 **(Rus)**

PSYCHOLOGY

Overview: the female physician and her marriage. Myers MF. **Am J Psychiatry** 1984 Nov;141(11):1386–91 (50 ref.)

Combining motherhood with psychiatric training and practice. Stewart DE, et al. **Can J Psychiatry** 1985 Feb; 30(1):28–34

Stress and female physician administrators. Bowman MA. **J Am Med Wom Assoc** 1985 Jan–Feb;40(1):15–9

Career satisfaction and role harmony in Afro-American women physicians. Lovelace JC. **J Am Med Wom Assoc** 1985 Jul–Aug;40(4):108–10

Life stories as careers--careers as life stories. Roeske NC. **Perspect Biol Med** 1985 Winter;28(2):229–42

STANDARDS

Performance of women candidates on the American Board of Internal Medicine Certifying Examination, 1973–1982. Norcini JJ, et al. **Ann Intern Med** 1985 Jan;102(1):115–8

SUPPLY & DISTRIBUTION

Women doctors in urban general practice: the doctors. Cooke M, et al. **Br Med J [Clin Res]** 1985 Mar 9;290(6470):755–8

TRENDS

Update: women in medicine. Heins M. **J Am Med Wom Assoc** 1985 Mar-Apr;40(2):43-50

PHYSICS

Wound ballistics: theory and practice. Ordog GJ, et al. **Ann Emerg Med** 1984 Dec;13(12):1113-22

Opening address 1984 Conference Engineering and Physics in the Life Sciences. Stranks DR. **Australas Phys Eng Sci Med** 1984 Jul-Sep;7(3):96-8

Quantum physics and the philosophy of medicine [editorial] Comfort A. **J R Soc Med** 1984 Aug;77(8):631-3

'Objective' algorithm for maximum frequency estimation in Doppler spectral analysers. D'Alessio T. **Med Biol Eng Comput** 1985 Jan;23(1):63-8

[Geometric and dynamic characteristics of hockey sticks in regard to their performance] Roy B, et al. **Can J Appl Sport Sci** 1984 Dec;9(4):214-9 (Eng. Abstr.) **(Fre)**

[Precision measurements of the Doppler broadening of positron annihilation radiations using a simultaneous and comparative detection technique] Iwase Y, et al. **Radioisotopes** 1985 Apr;34(4):195-200 (Eng. Abstr.) **(Jpn)**

[Fundamental studies on the measurement of skin blood flow by a periflux laser doppler flowmeter and its clinical application] Hatanaka H, et al. **Rinsho Byori** 1984 Sep;32(9):1025-8 **(Jpn)**

INSTRUMENTATION

Hydrodynamic flow in U-shaped and coiled glass loops simulating carotid arterial configurations. Stehbens WE, et al. **Angiology** 1985 Jul;36(7):442-51

PHYSIOGNOMY

Physiognomic homogamy: a test of physical similarity as a factor in the mate selection process. Chambers VJ, et al. **Soc Biol** 1983 Summer;30(2):151-7

Minority type human mate preference. Thelen TH. **Soc Biol** 1983 Summer;30(2):162-80

PHYSIOLOGIC AVAILABILITY see BIOLOGICAL AVAILABILITY

PHYSIOLOGY

Tissue redox-state potential (E'0)--as regulator of physiological processes. Puppi A, et al. **Acta Biol Hung** 1983;34(4):323-50 (148 ref.)

Abstracts of the lectures and posters delivered and demonstrated at the 48th congress of the Hungarian Physiological Society. Debrecen, July 4-6, 1983. **Acta Physiol Hung** 1984;63(3-4):209-396

The modeling methodology forum: an expanded department. DiStefano JJ 3d. **Am J Physiol** 1985 Mar;248(3 Pt 1):C187-8

Brain stem area with C1 epinephrine neurons mediates baroreflex vasodepressor responses. Granata AR, et al. **Am J Physiol** 1985 Apr;248(4 Pt 2):H547-67

Multiple regression for physiological data analysis: the problem of multicollinearity. Slinker BK, et al. **Am J Physiol** 1985 Jul;249(1 Pt 2):R1-12

First Colloquium in Biological Sciences. New York, New York, 1984. **Ann NY Acad Sci** 1984;435:1-621

Belgian Society of Physiology and Pharmacology. Meeting at Ghent, November 1984. Abstracts. **Arch Int Physiol Biochim** 1985 May;93(1):P1-34

Proceedings of the 9th congress of the Sociedade Brasileira de Biofisica, 2nd congress of the Sociedade Brasileira de Farmacologia e Terapêutica Experimental, 19th congress of the Sociedade Brasileira de Fisiologia. June 30-July 4, 1984, São Paulo. Abstracts. Palma MS, et al. **Braz J Med Biol Res** 1984;17(5-6):387-550

Abstracts. Canadian Physiological Society. 17th winter meeting, January 17-19, 1985, Mont Rolland, Quebec. **Can J Physiol Pharmacol** 1985 Apr;63(4):Ai-xxxii

NEXUS: a computer language for physiological systems and signal analysis. Hunter IW, et al. **Comput Biol Med** 1984;14(4):385-401

Simplified acute physiology score [letter] Abizanda R, et al. **Crit Care Med** 1985 Jun;13(6):517

Federation of American Societies for Experimental Biology. 69th Annual Meeting. Anaheim, California, April 21-26, 1985. Abstracts of papers 1-2720. **Fed Proc** 1985 Mar 1;44(3):411-876

Functional comparative histology. 1. Communication: comparative and functional aspects of histology. Kaiser HE. **Gegenbaurs Morphol Jahrb** 1985;131(2):221-40

Abstracts of papers presented at the thirty-eighth annual meeting of the Society of General Physiologists. Woods Hole, Massachusetts, 6-9 September 1984. **J Gen Physiol** 1984 Dec;84(6):1a-42a

Regression analysis in physiological research: some comments on the problem of repeated measurements. Donner A, et al. **Med Sci Sports Exerc** 1984 Aug;16(4):422-5

The 61st annual meeting of the Physiological Society of Japan. Gunma, March 28-30, 1984. Abstracts. **Nippon Seirigaku Zasshi** 1984;46(8-9):325-594

Deutsche Physiologische Gesellschaft: Abstracts of the 60th meeting (autumn meeting). October 2-5, 1984, Dortmund. **Pflugers Arch** 1984;402 Suppl:R1-57

Electrical stimulation of arterial and central chemosensory afferents at different times in the respiratory cycle of the cat: I. Ventilatory responses. Marek W, et al. **Pflugers Arch** 1985 Apr;403(4):415-21

Proceedings of the Czechoslovak Physiological Society. Abstracts. **Physiol Bohemoslov** 1984;33(6):515-76

It was a good year. Fishman AP. **Physiologist** 1984 Dec;27(6):405-12

What a director of pharmacology looks for in a physiologist. Kaplan HR. **Physiologist** 1984 Oct;27(5):356-7

Personal viewpoints of a physiologist. Lee KS. **Physiologist** 1984 Oct;27(5):353-4

Initiation of a career in pharmaceutical industries. As a Ph.D. physiologist. Seymour AA. **Physiologist** 1984 Oct;27(5):353

Careers in pharmaceutical industry for physiologists. Personal viewpoints. Silver PJ. **Physiologist** 1984 Oct;27(5):355-6

Misery of functionalism. Biological function: a misleading concept. Lambert D, et al. **Riv Biol** 1984 Winter;77(4):477-502 **(Eng, Ita)**

[Clinical physiology as a medical specialty] Sovijärvi AR, et al. **Duodecim** 1984;100(21):1349-51 **(Fin)**

[Current trends in the development of human ecological physiology] Vasilevskii NN. **Fiziol Cheloveka** 1984 Nov-Dec;10(6):883-93 (72 ref.) **(Rus)**

[The problems of modeling and optimizing the functional state and activities of the human operators] Zingerman AM, et al. **Fiziol Cheloveka** 1984 Nov-Dec;10(6):894-906 (30 ref.) **(Rus)**

[Interrelation of the structure and function of morphological systems] Bolgov IuA. **Vrach Delo** 1984 Sep;(9):5-8 (Eng. Abstr.) **(Rus)**

[Graphic representation of physiologic parameters on digital computers] Turkulov D, et al. **Med Pregl** 1983;36(11-12):485-9 (Eng. Abstr.) **(Scr)**

[Reports presented at the 4th National Seminar of Young Physiologists, Pathophysiologists and Clinical Physiologists. Martin, 5-6 September 1984] **Cesk Fysiol** 1985;34(2):151-72 **(Slo)**

[Abstracts of proceedings: 26th annual meeting of the Sociedad de Biologia de Chile] **Arch Biol Med Exp (Santiago)** 1983 Nov;16(2):R131-94 **(Spa)**

[XXVI National Congress of Physiological Sciences. 17-21 July 1983, Colima. Col. Abstracts] **Bol Estud Med Biol** 1983 Jul-Oct;32(7-8):433-617 **(Spa)**

EDUCATION

Microcomputer physiological model simulation used in physiology class. Akers TK, et al. **Biomed Sci Instrum** 1985;21:103-7

Anatomy and physiology content in a primary care nurse-practitioner program. Fullerton JT, et al. **J Nurs Educ** 1984 Sep;23(7):317-9

The teaching hour/course duration ratio [letter] Aserinsky E. **Physiologist** 1985 Feb;28(1):40

Evolution of acid-base concept (1917-1984). Gamble JL Jr. **Physiologist** 1984 Oct;27(5):375-9

Careers for physiologists in departments of biological and animal sciences. Gregg CM. **Physiologist** 1985 Apr;28(2):91-4

Writing computer lessons. Rovick AA. **Physiologist** 1985 Jun;28(3):173-6

[The School of Physiology of Leningrad University] Batuev AS. **Fiziol Zh SSSR** 1984 Oct;70(10):1353-60 (Eng. Abstr.) **(Rus)**

HISTORY

Starling's law of the heart: an appraisal 70 years on. O'Rourke MF. **Aust NZ J Med** 1984 Dec;14(6):879-87

Origin and historical development of clinical physiology in pulmonary disease. Cournand A. **Bull Eur Physiopathol Respir** 1985 Mar-Apr;21(2):205-14

William Harvey and the discovery of the circulation of blood. Silverman ME. **Clin Cardiol** 1985 Apr;8(4):244-6

The medal: William Beaumont. Appel TA. **Fed Proc** 1985 Jan;44(1 Pt 1):1

William Beaumont and the transfer of biomedical information. Brodman E. **Fed Proc** 1985 Jan;44(1 Pt 1):9-17

The cognitive basis of the discipline. Claude Bernard on physiology. Coleman W. **Isis** 1985 Mar;76(281):49-70

Careers and creativity in nineteenth-century physiology: Zloczower redux. Turner S, et al. **Isis** 1984 Sep;75(278):523-9

Internal secretions in disease: the historical relations of clinical medicine and scientific physiology. Wilson LG. **J Hist Med Allied Sci** 1984 Jul;39(3):263-302

I. P. Pavlov and W. B. Cannon: founders of modern physiological thought relative to behavior and the autonomic nervous system. Brooks CM. **Pavlov J Biol Sci** 1985 Jan-Mar;20(1):1-6

On facts and ideologies in the Pavlovian saga. Giurgea CE. **Pavlov J Biol Sci** 1985 Jan-Mar;20(1):7-10

The American Physiological Society photograph collection. Appel T. **Physiologist** 1985 Apr;28(2):88-90

Physiology at Indiana University-Bloomington. A history. Elizondo RS, et al. **Physiologist** 1984 Oct;27(5):319-24

Physiology department, Medical University of South Carolina, Charleston, South Carolina. Horres AD. **Physiologist** 1984 Dec;27(6):385-9

Physiology Department, Creighton University School of Medicine, Omaha, Nebraska. Magee DF. **Physiologist** 1985 Jun;28(3):139-40

The first American-based Handbook of Physiology. O'Malley FK, et al. **Physiologist** 1985 Feb;28(1):35-9

Physiology at Indiana University School of Medicine-Indianapolis. Selkurt EE. **Physiologist** 1984 Oct;27(5):325-9

[30 years of the Physiology Institute of the Czechoslovak Academy of Science] Drahota Z. **Cesk Fysiol** 1984;33(4):289-92 **(Cze)**

[Psychology and physiology in France 1800-1830] Azouvi F. **Pubbl Stn Zool Napoli [II]** 1984;6(2):151-70 **(Fre)**

[A discussion of the Stensen experiment] Faller A. **Gesnerus** 1985;42(1-2):19-34 (Eng. Abstr.) **(Ger)**

[The concept of nature philosophy in physiology in the writings of John Christian Friedrich Harless] Triebel-Schubert C. **Gesnerus** 1985;42(1-2):149-59 (Eng. Abstr.) **(Ger)**

[Development of an independent department and institute for physiologic chemistry at the University of Leipzig] Lorenz I. **Z Gesamte Inn Med** 1984 Dec 1;39(23):585-90 (Eng. Abstr.) **(Ger)**

[Historical transition of meetings of the Physiological Society of Japan] Hiroshige T. **Nippon Seirigaku Zasshi** 1984;46(12):673-95 **(Jpn)**

[History of Tokyo Physiological Society Symposium--from its origin through the post war period] Ichikawa S. **Nippon Seirigaku Zasshi** 1984;46(11):643-52 **(Jpn)**

[Experimental method of Claude Bernard and its current importance for research studies in medicine] Kwiatkowski A. **Arch Hist Med (Warsz)** 1985;48(2):167-82 (Eng. Abstr.) **(Pol)**

[On the 40th anniversary of victory in World War II (Soviet pathophysiology and pathophysiologists during World War II)] Fedorov BM. **Patol Fiziol Eksp Ter** 1985 Mar-Apr;(2):3-8 **(Rus)**

[Stages in the development of reflexology] Vorob'ev RI. **Sov Zdravookhr** 1985;(2):57-61 **(Rus)**

INSTRUMENTATION

Two-processor system, based on the ZX-Spectrum microcomputer and the CAMAC modular system, for the analysis of physiological data. Kruk PJ, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(6):301-9

A photosensitive method for measuring horizontal movements of the head to visual and auditory targets. Stoppa M, et al. **Acta Neurobiol Exp (Warsz)** 1984;44(5):233-8

Evaluation of a tissue cage model for use in cattle. Bengtsson B, et al. **Acta Vet Scand** 1984;25(4):480-94

Sleeve device functions as a Starling resistor to record sphincter pressure. Linehan JH, et al. **Am J Physiol** 1985 Feb;248(2 Pt 1):G251-5

Improved 'active' electrodes for recording bioelectric signals in work physiology. Hagemann B, et al. **Eur J Appl Physiol** 1985;54(1):95-8

Low-frequency response characteristics of three Grass model 7 polygraphs. Hickey DD, et al. **J Appl Physiol** 1985 Mar;58(3):1026-30

A He-Ne laser position-detector for recording jaw movements: principle of operation and application in animal experiments. Morimoto T, et al. **J Neurosci Methods** 1984 Aug;11(3):193-8

A simple open-loop vibrating system for variable amplitude and frequency sinusoidal stretching of muscles. Tepper J, et al. **J Neurosci Methods** 1984 Sep;11(4):251-6

A modified voluntary running wheel for laboratory animals. Campagna PD. **Lab Anim Sci** 1984 Aug;34(4):397-8

[Chamber for studying microcirculation in muscles] Kotliarov VS. **Arkh Anat Gistol Embriol** 1985 May;88(5):83-4 **(Rus)**

[Latex occluder for occluding vessels in chronic experiments] Eremeev VS, et al. **Fiziol Zh SSSR** 1984 Nov;70(11):1588-90 **(Rus)**

METHODS

Regional perfusion in normal and ischemic rat sciatic nerves. Sladky JT, et al. **Ann Neurol** 1985 Feb;17(2):191-5

Pulmonary blood flow determination with selective rebreathing of CO2. Linnarsson D, et al. **Clin Physiol** 1985;5 Suppl 3:39-48

Automated diameter measurement of vasomotion by cross-correlation. Kaufman AG, et al. **Int J Microcirc Clin Exp** 1985;4(1):45-53

Comparison of chemoreflex gains obtained with two different methods in cats. DeGoede J, et al. **J Appl Physiol** 1985 Jul;59(1):170-9

Respiratory resistance in dogs by the single-breath and the forced oscillation methods. Harf A, et al. **J Appl Physiol** 1985 Jul;59(1):262-5

Comparison of cardiac output during exercise by single-breath and CO2-rebreathing methods. Inman MD, et al. **J Appl Physiol** 1985 Apr;58(4):1372-7

A technique to locate the pacemaker in smooth muscles. Publicover NG, et al. **J Appl Physiol** 1984 Nov;57(5):1586-90

Computer-simulated physiology experiments: where are we coming from and where might we go? Michael JA. **Physiologist** 1984 Dec;27(6):434-6

Effective resistance of the respiratory system studied by a quick release technique. Macintosh BR, et al. **Respir Physiol** 1985 Jun;60(3):329-46

[Use of regression analysis and elements of differential calculus in functional-morphologic studies] Vinogradov SIu. **Arkh Anat Gistol Embriol** 1984 Aug;87(8):74-81 **(Rus)**

[The comprehensive approach in ecological physiological research (on the 80th birthday of D. A. Biriukov)] Vasilevskiĭ NN. **Fiziol Zh SSSR** 1984 Sep;70(9):1241-7 (Eng. Abstr.) **(Rus)**

TRENDS

Recent advances in the understanding of luteal function. Manns JG, et al. **Can J Physiol Pharmacol** 1985 Mar; 63(3):237-9 **(Eng, Fre)**

[Main results and prospects of human ecological physiology] Slonim AD. **Fiziol Cheloveka** 1984 Jan-Feb;10(1):3-10 (63 ref.) **(Rus)**

[Hyperbaric physiology (status and outlook)] Zal'tsman GL. **Fiziol Cheloveka** 1984 Jul-Aug;10(4):659-73 (22 ref.) **(Rus)**

[Current status and the tasks of Soviet pathophysiology] Kryzhanovskiĭ GN. **Patol Fiziol Eksp Ter** 1985 Jan-Feb; (1):3-9 **(Rus)**

[Functional systems of the body as an object of physiologic analysis] Sudakov KV. **Vestn Akad Med Nauk SSSR** 1985, (2):3-11 **(Rus)**

PHYSIOLOGY, COMPARATIVE

HISTORY

Richard Owen's Hunterian lectures on comparative anatomy and physiology, 1837-55. Rupke N. **Med Hist** 1985 Jul; 29(3):237-58

PHYSOSTIGMINE

ADMINISTRATION & DOSAGE

Protection against diisopropylfluorophosphate intoxication by pyridostigmine and physostigmine in combination with atropine and mecamylamine. Harris L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):64-9

ADVERSE EFFECTS

Cholinergic agents: antinociception without morphine type dependence in rats. Widman M, et al. **Life Sci** 1985 May 27;36(21):2007-15

Severe bradycardia following physostigmine in the presence of beta-adrenergic blockade--a case report. Baraka A, et al. **Middle East J Anaesthesiol** 1984 Feb;7(4):291-3

ANALOGS & DERIVATIVES

Physostigmine reverses memory deficits produced by pretraining electrical stimulation of the dorsal hippocampus in mice. Micheau J, et al. **Behav Brain Res** 1985 Apr; 15(2):75-81

[Stabilization of physostigmine salicylate injection solutions] Trose D, et al. **Pharmazie** 1985 Feb;40(2):124-6 (Eng. Abstr.) **(Ger)**

ANALYSIS

Determination of physostigmine in plasma and brain by HPLC. Somani SM, et al. **J Anal Toxicol** 1985 Mar-Apr; 9(2):71-5

Sensitive liquid chromatographic method for physostigmine in biological fluids using dual-electrode electrochemical detection. Whelpton R, et al. **J Chromatogr** 1985 Jun 14; 341(2):361-71

Effect of sterilization by autoclaving on the stability of eye drops of pilocarpine hydrochloride and physostigmine sulphate. Mair AE, et al. **J Clin Hosp Pharm** 1984 Sep; 9(3):217-24

ANTAGONISTS & INHIBITORS

Antagonism of physostigmine induced lethality by a combination of scopolamine and methscopolamine. Janowsky DS, et al. **Acta Pharmacol Toxicol (Copenh)** 1985 Feb;56(2):154-7

Antagonism of the hypertensive effect of physostigmine in anesthetized rat by morphine. Oktay S, et al. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):275-81

Eserine-induced hypertone of guinea pig distal colon in vivo: a new pharmacological procedure for testing smooth muscle relaxants. Maggi CA, et al. **J Pharmacol Methods** 1984 Sep;12(2):91-6

BLOOD

Physostigmine concentrations after oral doses [letter] Gibson M, et al. **Lancet** 1985 Mar 23;1(8430):695-6

Plasma physostigmine concentrations after oral administration [letter] Sharpless NS, et al. **Lancet** 1985 Jun 15;1(8442):1397-8

DIAGNOSTIC USE

Changes in physostigmine-induced hippocampal seizures during ethanol withdrawal. Gonzalez LP. **Brain Res** 1985 Jun 3;335(2):384-8

METABOLISM

Binding of physostigmine to rat and human plasma and crystalline serum albumins. Unni LK, et al. **Life Sci** 1985 Apr 8;36(14):1389-96

PHARMACODYNAMICS

Activation of the cholinergic system and growth hormone release in the dog: functional interactions with other neurotransmitters. Betti R, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):36-43

Effects of physostigmine, paraoxon and soman on brain GABA level and metabolism. Coudray-Lucas C, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Aug;55(2):153-7

Effects of physostigmine on pulse, blood pressure, and serum epinephrine levels. Janowsky DS, et al. **Am J Psychiatry** 1985 Jun;142(6):738-40

The first reversal of curare. A translation of Pal's original paper, 'Physostigmine, an antidote to curare', 1900. Nickalls RW, et al. **Anaesthesia** 1985 Jun;40(6):572-5

Physostigmine: effectiveness as an antagonist of respiratory depression and psychomotor effects caused by morphine or diazepam. Bourke DL, et al. **Anesthesiology** 1984 Nov; 61(5):523-8

The effect of physostigmine on diazepam-induced ventilatory depression: a double-blind study. Spaulding BC, et al. **Anesthesiology** 1984 Nov;61(5):551-4

Characteristics of yawning behavior induced by apomorphine, physostigmine and pilocarpine. Ushijima I, et al. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):196-201

Modification of apomorphine-, physostigmine- and pilocarpine-induced yawning after long-term treatment with neuroleptic or cholinergic agents. Ushijima I, et al. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):180-8

A cholinomimetic model of motion sickness and space adaptation syndrome. Janowsky DS, et al. **Aviat Space Environ Med** 1984 Aug;55(8):692-6

Effects of physostigmine on septo-hippocampal averaged evoked field potentials. Hettinger MK, et al. **Brain Res** 1984 Dec 3;323(1):148-53

Rectal methohexitone induction in pediatric outpatients: physostigmine does not enhance recovery. Hannallah RS, et al. **Can Anaesth Soc J** 1985 May;32(3 Pt 1):231-4

Action potential prolongation: an effect of physostigmine (eserine) upon Retzius cells in the leech C.N.S. King WM, et al. **Comp Biochem Physiol [C]** 1984;79(1):71-6

Which active forms of physostigmine generate contractions in diaphragm muscles of mice? Noireaud J, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):141-6

Physostigmine effects on serotonin uptake in human blood platelets. Rausch JL, et al. **Eur J Pharmacol** 1985 Feb 12; 109(1):91-6

Effects of neuromuscular blockers on carnosine levels in rat skeletal muscle. Thomsen W, et al. **Experientia** 1985 Mar 15;41(3):374-5

Central cardiovascular effects of physostigmine in humans. Janowsky DS, et al. **Hypertension** 1985 Jan-Feb;7(1):140-5

Interactions of edrophonium, physostigmine and methanesulfonyl fluoride with the snake end-plate acetylcholine receptor-channel complex. Fiekers JF. **J Pharmacol Exp Ther** 1985 Sep;234(3):539-49

Comparison of the actions of carbamate anticholinesterases on the nicotinic acetylcholine receptor. Sherby SM, et al. **Mol Pharmacol** 1985 Mar;27(3):343-8

A comparison of physostigmine and soman using taste aversion and nociception. Romano JA, et al. **Neurobehav Toxicol Teratol** 1985 May-Jun;7(3):243-9

Physostigmine antagonizes benzodiazepine-induced myoclonus in the baboon, Papio papio. Rektor I, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):91-6

Quantitative analysis of physostigmine-induced changes in behavior. Gonzalez LP. **Pharmacol Biochem Behav** 1984 Oct;21(4):551-4

The effect of adrenalectomy and dexamethasone on the antinociceptive effects of physostigmine. Romano JA, et al. **Psychopharmacology (Berlin)** 1984;84(3):426-30

Inhibitory effects of dopamine and isoprenaline on antral motor activity stimulated by acetylcholine or physostigmine in vitro. Ulvestad A, et al. **Scand J Gastroenterol** 1985 Mar;20(2):243-6

Impact of methyl parathion toxicity and eserine inhibition on acetylcholinesterase activity in tissues of the teleost (Tilapia mossambica)--a correlative study. Siva Prasada Rao K, et al. **Toxicol Lett** 1984 Sep;22(3):351-6

[The antiataxic mechanism of TRH in rolling mouse Nagoya: the effects of pretreatment with dopaminergic and cholinergic drugs] Matsui K, et al. **Jikken Dobutsu** 1984 Oct;33(4):465-9 (Eng. Abstr.) **(Jpn)**

[Role of monoaminergic systems in the development of the effect of stimulation of acetylcholinergic brain structures in the cat] Shugalev NP. **Zh Vyssh Nerv Deiat** 1985 Jan-Feb;35(1):103-9 (Eng. Abstr.) **(Rus)**

[Differences in the cholinergic effects of eserine and pilocarpine on the uvea and retina of the bovine eye] Kováčik L, et al. **Bratisl Lek Listy** 1985 Jul;84(1):45-9 (Eng. Abstr.) **(Slo)**

POISONING

Efficacy and toxicity of drug combinations in treatment of physostigmine toxicosis. Klemm WR. **Toxicology** 1983 May;27(1):41-53

THERAPEUTIC USE

Oral physostigmine treatment of patients with Alzheimer's disease. Mohs RC, et al. **Am J Psychiatry** 1985 Jan; 142(1):28-33

The reversal of epidural morphine induced somnolence with physostigmine. Shulman MS, et al. **Can Anaesth Soc J** 1984 Nov;31(6):678-80

Partial resolution of ranitidine-associated delirium with physostigmine: case report. Goff DC, et al. **J Clin Psychiatry** 1985 Sep;46(9):400-1

Comparison of physostigmine and naloxone in the treatment of acute heroin overdose [letter] Landis F, et al. **J Toxicol Clin Toxicol** 1984;22(5):493-8

Physostigmine and the adrenergic/antimuscarinic syndrome. A case report. Shipton EA, et al. **S Afr Med J** 1984 Dec 8;66(23):894

TOXICITY

Toxicity of anticholinesterases: interactions of pyridostigmine and physostigmine with soman. Harris LW, et al. **Drug Chem Toxicol** 1984;7(5):507-26

[The acute toxicity of eserine, VX and paraoxon for the establishment of a mathematical model for extrapolation to humans] Leblic C, et al. **Arch Belg** 1984;Suppl:226-42 (Eng. Abstr.) **(Fre)**

PHYTAGGLUTININS see **LECTINS**

PHYTANIC ACID see under **EICOSANOIC ACIDS**

PHYTASE

BLOOD

Synthesis and levels of organic phosphates in erythrocytes during avian development: specific formation of BPG and IP5 in two distinct populations from young chicks. Ruiz-Ruano A, et al. **Cell Biochem Funct** 1984 Oct; 2(4):257-62

Phytase activity in chicken erythrocytes and its control by organic phosphates (glycerate-2,3-P2 and inositol-P5) during avian development. Martin M, et al. **Comp Biochem Physiol [B]** 1985;80(3):557-61

METABOLISM

The relationship of alkaline phosphatase, CaATPase, and phytase. Williams SA, et al. **Arch Biochem Biophys** 1985 Aug 15;241(1):10-3

PHYTIC ACID

ANALYSIS

Iron bound to phytates of maize. Garzón P, et al. **Arch Invest Med (Mex)** 1984 Apr-Jun;15(2):163-71 **(Eng, Spa)**

Phytic acid in bran and in 'natural' foods. Cerutti G, et al. **Boll Chim Farm** 1984 Sep;123(9):408-15

Phytate content of some foods from plant origin from Vietnam and Hungary. Vinh LT, et al. **Nahrung** 1985; 29(2):161-6

BLOOD

Preparation of low-affinity red cells with dimethylsulfoxide-mediated inositol hexaphosphate incorporation: hemoglobin and ATP recovery using a continuous-flow method. Franco RS, et al. **Am J Hematol** 1984;17(4):393-400

Encapsulation of a hemoglobin allosteric effector in erythrocytes: in vivo results. Teisseire B, et al. **Life Support Syst** 1984 Oct-Dec;2(4):277-80

DIAGNOSTIC USE

Demonstration of mucociliary clearance in ventilation scintigraphy using an airjet nebulizer. Best MP, et al. **Clin Nucl Med** 1985 Apr;10(4):297

Radioisotope measurement of the velocity of tracheal mucus. Russo KJ, et al. **Otolaryngol Head Neck Surg** 1985 Apr; 93(2):217-20

Usefulness of liver scan using 99mTc-phytate in diagnosis of partial diaphragmatic eventration. Sone T, et al. **Radiat Med** 1984 Apr-Jun;2(2):108-10

METABOLISM

Determination of equilibrium constants for a sequential model of dioxygen binding by hemoglobin-inositol hexaphosphate complexes: the structural pathway from deoxy- to oxy-hemoglobin. Knowles FC. **Arch Biochem Biophys** 1985 Jul;240(1):358-68

Incorporation of allosteric effectors of hemoglobin in red blood cells. Physiological effects. Nicolau C, et al. **Bibl Haematol** 1985;(51):92-107

Studies of the chemical and biological properties of the liver-imaging agent 99mTc-phytate. Vanlić-Razumenić N, et al. **Nuklearmedizin** 1985 Apr;24(2):71-4

[Properties of technetium Tc 99m phytate complex--studies in vivo and in vitro] Popowska E, et al.

Rocz Panstw Zakl Hig 1984;35(2):181-9 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Enhancement of P50 by inositol hexa phosphate entrapped in resealed erythrocytes in piglets. Teisseire B, et al. **Adv Exp Med Biol** 1984;180:673-7

A stable isotope study of copper absorption in young men: effect of phytate and alpha-cellulose. Turnlund JR, et al. **Am J Clin Nutr** 1985 Jul;42(1):18-23

A stable isotope study of zinc absorption in young men: effects of phytate and alpha-cellulose. Turnlund JR, et al. **Am J Clin Nutr** 1984 Nov;40(5):1071-7

Effects of dietary phytic acid on lead and cadmium uptake and depletion in rats. Rose HE, et al. **Environ Res** 1984 Dec;35(2):482-9

Influence of dietary calcium, phosphorus, zinc and sodium phytate level on cataract incidence, growth and histopathology in juvenile chinook salmon (Oncorhynchus tshawytscha). Richardson NL, et al. **J Nutr** 1985 May; 115(5):553-67

Effect of phytate on aflatoxin formation by Aspergillus parasiticus and Aspergillus flavus in synthetic media. Ehrlich K, et al. **Mycopathologia** 1984 Aug 30; 87(1-2):99-103

THERAPEUTIC USE

Dietary suppression of colonic cancer. Fiber or phytate? Graf E, et al. **Cancer** 1985 Aug 15;56(4):717-8

PHYTIN see **PHYTIC ACID**

PHYTOCHROME see under **PLANT PROTEINS**

PHYTOENE see **CAROTENOIDS**

PHYTOHEMAGGLUTININS

Characterization of two Phaseolus vulgaris phytohemagglutinin genes closely linked on the chromosome. Hoffman LM, et al. **EMBO J** 1985 Apr; 4(4):883-9

Chromatography of gamma-glutamyl transferases from ascites hepatoma AH-66 cells and human primary hepatoma on Phaseolus vulgaris erythroagglutinating lectin agarose. Taniguchi N, et al. **J Chromatogr** 1985 May 3; 339(2):394-8

Structure of a chromosomal Phaseolus vulgaris lectin gene and its transcript. Hoffman LM. **J Mol Appl Genet** 1984; 2(5):447-53

Expression of lectin genes during seed development in normal and phytohemagglutinin-deficient cultivars of Phaseolus vulgaris. Staswick P, et al. **J Mol Appl Genet** 1984; 2(6):525-35

ANALYSIS

Lectins and lectin-like molecules in lower plants. I. Marine algae (review). Ingram GA. **Dev Comp Immunol** 1985 Winter;9(1):1-10

Blotting methods applied to investigations of the mitogenic activity of phytohaemagglutinin (PHA). Laurent P, et al. **J Immunol Methods** 1985 Sep 3;82(1):181-4

BLOOD

[Leucoagglutinin-induced non-cardiac pulmonary edema] Pedersen J, et al. **Ugeskr Laeger** 1984 Oct 22;146(43):3283-4 (Eng. Abstr.) **(Dan)**

DIAGNOSTIC USE

[A comparative study to detect the HBsAg by the ELISA, RIA and PHA technics in patients with viral hepatitis] Mutlu G, et al. **Mikrobiyol Bul** 1984 Oct;18(4):190-8 (Eng. Abstr.) **(Tur)**

IMMUNOLOGY

Phaseolus vulgaris phytohaemagglutinin (PHA) binds to the human T lymphocyte antigen receptor. Chilson OP, et al. **EMBO J** 1984 Dec 20;3(13):3239-45

The mitogenic lectin from Phaseolus vulgaris does not recognize the T3 antigen of human T lymphocytes. Kanellopoulos JM, et al. **Eur J Immunol** 1985 May; 15(5):479-86

Phytohemagglutinin skin test for the immunological assessment of the surgical patient. Meijer S, et al. **Eur Surg Res** 1984;16(6):348-53

Immunological studies in leprosy--II: Study of lymphoblast transformation to PHA in different types of leprosy patients. Singh PK, et al. **Ind J Lepr** 1984 Jan-Mar; 56(1):30-5

Leukocyte adherence inhibition, natural killer cell activity, gamma-interferon production capacity and phytohemagglutinin response in patients treated with recombinant leukocyte A interferon. Tank B, et al. **Oncology** 1985;42(3).157-63

[Sensitization by repeated skin tests with candidin and PHA] Leynadier F, et al. **Pathol Biol (Paris)** 1984 Nov;32(9):954-8 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Purification of hemagglutinins from Agaricus bisporus by affinity chromatography. Ahmad N, et al. **Indian J Biochem Biophys** 1984 Aug;21(4):237-40

Fractionation of Kintoki bean lectin into isolectins. Hara T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1985 Feb;31(1):89-98

Isolation and characterization of Vicia faba lectin affinity purified on chitin column. Datta PK, et al. **Prep Biochem** 1984;14(4):373-87

METABOLISM

Phytohemagglutinin binds to the 20-kDa molecule of the T3 complex. Valentine MA, et al. **Eur J Immunol** 1985 Aug;15(8):851-4

Susceptibility of Kintoki bean lectin to digestive enzymes in vitro and its behavior in the digestive organs of mouse in vivo. Hara T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1984 Aug;30(4):381-94

PHARMACODYNAMICS

Mitogenic responses of sheep peripheral blood T-lymphocytes to PHA and LPS in a hanging drop microassay. Mlangwa JE. **Acta Vet Scand** 1984; 25(4):548-60

Accelerated bovine mammary involution induced by infusion of concanavalin A or phytohemagglutinin. Breau WC, et al. **Am J Vet Res** 1985 Apr;46(4):816-20

Intestinal microbial flora after feeding phytohemagglutinin lectins (Phaseolus vulgaris) to rats. Banwell JG, et al. **Appl Environ Microbiol** 1985 Jul;50(1):68-80

Formation of lymph follicles and germinal centers in draining lymph nodes after local injection of phytohemagglutinin and lipopolysaccharide in mice. Hoshi H, et al. **Arch Histol Jpn** 1984 Nov;47(5):505-18

Stimulation of progressor and regressor chicken leukocytes with Con A, PHA-P, and Rous sarcoma tumor antigens. Whitfill C, et al. **Avian Dis** 1984 Oct-Dec;28(4):944-58

Molecular species of phosphatidylinositol, phosphatidic acid and diacylglycerol in a phytohemagglutinin-stimulated T-cell leukemia line. Sasaki T, et al. **Biochim Biophys Acta** 1985 Feb 8;833(2):316-22

Effect of pregnancy plasma, neuraminidase and sialic acid on phytohemagglutinin-induced human lymphocyte response. Rajan R, et al. **Biol Res Pregnancy Perinatol** 1984; 5(3):113-7

Human placental Hofbauer cells promote mitogen induced T cell proliferation. Zaccheo D, et al. **Boll Soc Ital Biol Sper** 1984 Oct 30;60(10):1879-84

Characterization of cell lines enhancing IL-2 production by human phytohemagglutinin-stimulated lymphocytes. Gramatzki M, et al. **Cell Immunol** 1985 Jan;90(1):142-53

The effects of hemorrhage on mitogen-induced lymphocyte proliferation. Abraham E, et al. **Circ Shock** 1985; 15(2):141-9

Insulin-induced desensitization at the receptor and postreceptor level in mitogen-activated human T-lymphocytes. Ercolani L, et al. **Diabetes** 1985 Sep; 34(9):931-7

Phytohemagglutinin-induced diarrheal disease. Banwell JG, et al. **Dig Dis Sci** 1984 Oct;29(10):921-9

Toxicity of kidney bean (Phaseolus vulgaris) in rats: changes in intestinal permeability. Greer F, et al. **Digestion** 1985; 32(1):42-6

T cell triggering by lectins. I. Requirements for interleukin 2 production; lectin concentration determines the accessory cell dependency. Roosnek EE, et al. **Eur J Immunol** 1985 Jul;15(7):652-6

Activation of lymphocytes by PPD and PHA is promoted by exudate from BCG-induced pleurisy. Widström O. **Eur J Respir Dis** 1984 Oct;65(7):537-43

Phorbol esters stimulate spermidine/spermine N1-acetyltransferase activity in mitogen-stimulated bovine lymphocytes. Matsui-Yuasa I, et al. **FEBS Lett** 1984 Dec 10;178(2):297-300

Interferon production by mitogen-stimulated human lymphocytes requires differentiation but not DNA synthesis. Bhayani HR, et al. **Hum Immunol** 1985 Jul; 13(3):151-60

Detection of impaired mitogen responses in autologous whole blood of cancer patients using an optimized method of lymphocyte stimulation. Fritze D, et al. **Immunol Lett** 1984; 8(5):243-7

The role of shed Fc receptor in the regulation of lymphocyte response to phytohaemagglutinin (PHA). Pituch-Noworolska A, et al. **Immunology** 1985 Aug; 55(4):693-701

Comparison of phorbol myristate acetate and phytohaemagglutinin as stimulators of in vitro T lymphocyte colony formation of human peripheral blood lymphocytes. I. Surface markers of colony cells. Suzawa T, et al. **Immunology** 1984 Nov;53(3):499-505

Lymphocyte response to PHA in the presence of sera of pregnant women & its correlation with serum levels of placental specific beta 1-glycoprotein. Majumdar S, et al. **Indian J Med Res** 1984 Apr;79:502-7

Differential in vitro lymphocyte proliferation by mitogens in presence of pregnancy specific beta 1-glycoprotein. Majumdar S, et al. **Indian J Med Res** 1984 May;79:624-9

Synergistic effect of N-acetyl-D-glucosamine (NAG) on mitogenic, antigenic and allogeneic stimulation of normal human lymphocytes. Komlos L, et al. **Int J Immunopharmacol** 1984;6(6):593-9

Induction and characterization of lymphotoxins from tumor promoter-synergized, lectin-stimulated human lymphocytes in vitro. Klostergaard J, et al. **J Biol Response Mod** 1985 Apr;4(2):195-209

Inhibition of phytohemagglutinin-induced lymphocyte mitogenesis by lipoxygenase metabolites of arachidonic acid: structure-activity relationships. Low CE, et al. **J Lipid Res** 1984 Oct;25(10):1090-5

Relationship between lymphocytic cytotoxicity and phytohemagglutinin-induced lymphoblastogenesis before and after surgical tumor excision: an experimental study. Yamamoto S, et al. **J Surg Oncol** 1985 Jan;28(1):42-9

Phytohemagglutinin activation of the transcription of the bovine leukemia virus genome requires de novo protein synthesis. Chatterjee R, et al. **J Virol** 1985 Jun;54(3):860-3

Enhancement of mitogen response and surface marker analysis of lymphocytes from young and old donors after preliminary incubation in vitro. O'Leary JJ. et al. **Mech Ageing Dev** 1985 Mar;29(3):239-53

Transcriptional regulation of a tumor promoter and mitogen-inducible gene in human lymphocytes. Arya SK, et al. **Mol Cell Biol** 1984 Nov;4(11):2540-2

Phytohemagglutinin-induced human T-lymphocyte colonies: cellular and T-cell growth factor requirements are the same as for suspension culture growth. Ruscetti FW. **Nat Immun Cell Growth Regul** 1983-84;3(2):102-12

Inhibition of phytohemagglutinin-induced DNA synthesis and of adenosine deamination by 5-azacytidine and 5-aza-2'-deoxycytidine in intact human cells. Hovi T, et al. **Neoplasma** 1985;32(3):299-306

A determination method of blast formation rate of lymphocytes using a blood cell counter. Tatsumi N, et al. **Osaka City Med J** 1984 Jun;30(1):69-78

An attempt to cultivate human rotavirus in human leukocytes culture (preliminary report). Nozawa CM, et al. **Rev Inst Med Trop Sao Paulo** 1984 Jul-Aug;26(4):228-9

Inhibition of sterol and DNA syntheses in phytohemagglutinin-stimulated human lymphocytes by 7 alpha-hydroxycholesterol. Hemmi H, et al. **Tohoku J Exp Med** 1985 Feb;145(2):105-13

Development of optimal conditions for the stimulation of chicken peripheral blood lymphocytes by phytohaemagglutinin (PHA) in the microculture system. Thiel HJ, et al. **Vet Immunol Immunopathol** 1984 Jul; 6(3-4):327-40

[Changes in the adherence of leukocytes as affected by phytohemagglutinin] Bartholmös G, et al. **Z Med Lab Diagn** 1984;25(8):432-5 (Eng. Abstr.) **(Ger)**

[Effect of histamine-blocking substances on mitogen-induced lympho proliferation in rheumatic diseases] Manger BJ, et al. **Z Rheumatol** 1984 Jul-Aug;43(4):175-8 (Eng. Abstr.) **(Ger)**

[Cell membrane dynamics and intracellular fluidity of inflammatory cells induced by FMLP and PHA] Shiotsuki K, et al. **Arerugi** 1985 Feb;34(2):135-41 (Eng. Abstr.) **(Jpn)**

[Studies on the condition of human lymphocyte blast transformation by PHA] Sato M, et al. **Rinsho Byori** 1985 Jun;33(6):663-8 **(Jpn)**

[Interaction of pregnancy proteins with phytohemagglutinin P and concanavalin A (con A)] Krivonosov SK, et al. **Biull Eksp Biol Med** 1985 May;99(5):568-71 (Eng. Abstr.) **(Rus)**

[Effect of phytohemagglutinin, pokeweed mitogen and blood serum on the in vitro cloning of normal hematopoietic cells and in leukemias] Kulibaba TG. **Eksp Onkol** 1985;7(1):42-5 (Eng. Abstr.) **(Rus)**

[Effect of PHA on lymphocyte respiratory activity in mice] Tsutsaeva AA, et al. **Tsitol Genet** 1985 Jan-Feb;19(1):9-13 (Eng. Abstr.) **(Rus)**

[Phytohemagglutinin--a modulator of activity of cytochrome P-450-dependent enzymes of hepatocyte and immunocyte membranes] Galkin BN, et al. **Ukr Biokhim Zh** 1985 May-Jun;57(3):13-7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Degradation of DNA and chromatin in cells of mouse lymphoid organs after irradiation and PHA administration] Kuvshinov NN, et al. **Radiobiologiia** 1985 Mar-Apr; 25(2):224-7 (Eng. Abstr.) **(Rus)**

PHYTOHORMONES see **PLANT GROWTH REGULATORS**

PHYTOL see under **DITERPENES**

PHYTOMITOGENS see **LECTINS**

PHYTONADIONE

ADVERSE EFFECTS

Update on vitamin K1 content of enteral products [letter] Kutsop JJ. **Am J Hosp Pharm** 1984 Sep;41(9):1762

ANALOGS & DERIVATIVES

Indirect inhibition of vitamin K epoxide reduction by salicylate. Hildebrandt E, et al. **J Pharm Pharmacol** 1984 Sep;36(9):586-91

Vitamin K hydroperoxide: an intermediate in gamma-glutamate carboxylation? **Nutr Rev** 1984 Aug; 42(8):290-2 (10 ref.)

Purification of a vitamin K epoxide reductase that catalyzes conversion of vitamin K 2,3-epoxide to 3-hydroxy-2-methyl-3-phytyl-2,3-dihydronaphthoquino Mukharji I, et al. **Proc Natl Acad Sci USA** 1985 May; 82(9):2713-7

ANALYSIS

Liquid chromatographic determination of vitamin K1 trans- and cis-isomers in infant formula. Hwang SM. **J Assoc Off Anal Chem** 1985 Jul-Aug;68(4):684-9

Quantitative analysis of phylloquinone (vitamin K1) in soy bean oils by high-performance liquid chromatography. Zonta F, et al. **J Chromatogr** 1985 Jul 19;329(2):257-63

BLOOD

Plasma disposition of vitamin K1 in relation to anticoagulant poisoning. Park BK, et al. **Br J Clin Pharmacol** 1984 Nov; 18(5):655-62

Electrochemical detection of depressed circulating levels of vitamin K1 in osteoporosis. Hart JP, et al. **J Clin Endocrinol Metab** 1985 Jun;60(6):1268-9

METABOLISM

Interaction between phenprocoumon and phytomenadion: a pharmacokinetic investigation in healthy volunteers. Haustein KO. **Biomed Biochim Acta** 1984;43(12):1417-24

Late onset haemorrhagic disease of newborn with temporary malabsorption of vitamin K1 [letter] von Kries R, et al. **Lancet** 1985 May 4;1(8436):1035

Evidence for impaired hepatic vitamin K1 metabolism in patients treated with N-methyl-thiotetrazole cephalosporins. Bechtold H, et al. **Thromb Haemost** 1984 Jul 29;51(3):358-61

PHARMACODYNAMICS

Alpha-tocopherol and phylloquinone as non-competitive inhibitors of retinyl ester hydrolysis. Napoli JL, et al. **Biochem J** 1984 Oct 1;223(1):267-70

Effects of vitamin A in the presence of vitamins D3, E, K1 on red cell membrane structure. Cicero R, et al. **Z Naturforsch** [C] 1984 Jul-Aug;39(7-8):749-52

THERAPEUTIC USE

Coagulation recovery after warfarin-induced hypoprothrombinaemia by oral administration of liposomally-associated vitamin K1 to rabbits. Nagata M, et al. **J Pharm Pharmacol** 1984 Aug;36(8):527-33

[Vitamin K-dependent coagulation factors in neonates during total parenteral nutrition] Goldschmidt B, et al. **Orv Hetil** 1984 Dec 2;125(49):2979-83 (Eng. Abstr.) **(Hun)**

PHYTOPHAGINEAE see **PLANT VIRUSES**

PHYTOPHTHORA see under **PHYCOMYCETES**

PHYTOPLANKTON see under **PLANKTON**

PHYTOSTEROLS

ANALYSIS

Diet, nutrition intake, and metabolism in populations at high and low risk for colon cancer. Dietary cholesterol, beta-sitosterol, and stigmasterol. Nair PP, et al. **Am J Clin Nutr** 1984 Oct;40(4 Suppl):927-30

Sterols from Equisetum arvense. D'Agostino M, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2241-5

[Sterols in Stevia rebaudiana Bertoni] D'Agostino M, et al. **Boll Soc Ital Biol Sper** 1984 Dec 30;60(12):2237-40 (Eng. Abstr.) **(Ita)**

BLOOD

Increased plasma cholestanol and 5 alpha-saturated plant sterol derivatives in subjects with sitosterolemia and xanthomatosis. Salen G, et al. **J Lipid Res** 1985 Feb; 26(2):203-9

CHEMICAL SYNTHESIS

Inhibition of S-adenosyl-L-methionine sterol-C-24-methyltransferase by analogues of a carbocationic ion high-energy intermediate. Structure activity relationships for C-25 heteroatoms (N, As, S) substituted triterpenoid derivatives. Rahier A, et al. **J Biol Chem** 1984 Dec 25;259(24):15215-23

Synthesis of the putative metabolites of plant sterols: (24R)- and (24S)-24-methyl-5 beta-cholestane-3 alpha,7 alpha,12 alpha,25-tetrols and 24-ethyl-5 beta-cholestane-3 alpha,7 alpha,12 alpha,24 xi-tetrol. Dayal B, et al. **J Lipid Res** 1984 Aug;25(8):865-70

METABOLISM

Analysis of the steroid receptor of Achlya ambisexualis. Riehl RM, et al. **J Biol Chem** 1984 Dec 25;259(24):15324-30

Inhibition of C28 and C29 phytosterol metabolism by N,N-dimethyldodecanamine in the nematode Caenorhabditis elegans. Lozano R, et al. **Lipids** 1985 Mar; 20(3):158-66

Enzymatic dealkylation of phytosterols in insects. Fujimoto Y, et al. **Methods Enzymol** 1985;111:346-52

PHARMACODYNAMICS

Effects of feeding cholesterol and mixed plant sterols on the fecal excretion of acidic steroids in rhesus monkeys. Bhattacharyya AK, et al. **Atherosclerosis** 1984 Dec; 53(3):225-32

Successive study on the production of plasminogen activator in cultured endothelial cells by phytosterol. Shimonaka M, et al. **Thromb Res** 1984 Nov 1;36(3):217-22

[Stimulative production of plasminogen activator in endothelial cells with various inducers including phytosterol] Hagiwara H, et al. **Tanpakushitsu Kakusan Koso** 1985 Jan;30(1):1-12 (89 ref.) **(Jpn)**

[Mechanism of the anabolic action of phytoecdisteroids in mammals] Syrov VN. **Biol Nauki** 1984;(11):16-20 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effect of the purified unsaponifiable fraction of soybean on primary type II hyperlipoproteinemia. Nakashima Y, et al. **Artery** 1983;12(3):199-211

PIA MATER

Leptomeningeal metastases: peripheral nerve and root involvement--clinical and electrophysiological study. Argov Z, et al. **Ann Neurol** 1985 Jun;17(6):593-6

Evolution of computed tomographic abnormalities in leptomeningeal metastases. Jaeckle KA, et al. **Ann Neurol** 1985 Jan;17(1):85-9

Leptomeningeal dissemination of primary central nervous system tumors of childhood. Packer RJ, et al. **Ann Neurol** 1985 Aug;18(2):217-21

Leptomeningeal metastases: reduction in regional cerebral blood flow and cognitive impairment. Siegal T, et al. **Ann Neurol** 1985 Jan;17(1):100-2

Rhabdoneuroglial heterotopias of the pontine leptomeninges in trisomy 13. Johnson ES, et al. **Arch Pathol Lab Med** 1984 Nov;108(11):906-8

Review and case report: primary melanoblastosis of the leptomeninges. Bamborschke S, et al. **Clin Neuropathol** 1985 Mar-Apr;4(2):47-55

Diffuse form of primary leptomeningeal gliomatosis. Case report. Kitahara M, et al. **J Neurosurg** 1985 Aug; 63(2):283-7

[An autopsy case with meningitis accompanied by circumscribed spinal cord damage] Ishida T, et al. **Rinsho Shinkeigaku** 1985 Mar;25(3):294-300 (Eng. Abstr.) **(Jpn)**

[Neoplasm metastases to the central nervous system simulating tuberculous meningitis. Description of 4 cases] Korniluk S, et al. **Pneumonol Pol** 1984 Jun;52(6):273-8 (Eng. Abstr.) **(Pol)**

BLOOD SUPPLY

A peculiar arteriovenous leptomeningeal complex in the guinea pig. Azzarelli B, et al. **Acta Anat (Basel)** 1985; 122(4):239-44

Neuropeptide Y: immunocytochemical localization to and effect upon feline pial arteries and veins in vitro and in situ. Edvinsson L, et al. **Acta Physiol Scand** 1984 Oct; 122(2):155-63

Inhibition of barium-induced constriction of cerebral surface arterioles by blockers of calcium channels. Rosenblum WI. **Blood Vessels** 1985;22(3):139-44

Cerebral vascular bed in hypertension and consequences for the brain. Johansson BB. **Hypertension** 1984 Nov-Dec;6(6 Pt 2):III81-6

Effect of middle cerebral artery compression on pial artery pressure, blood flow, and electrophysiological function of cerebral cortex of cat. Date H, et al. **J Cereb Blood Flow Metab** 1984 Dec;4(4):593-8

Alpha-adrenoreceptors and muscarine receptors in human pial arteries and microvessels: a receptor binding study. Ferrari-DiLeo G, et al. **J Cereb Blood Flow Metab** 1985 Sep;5(3):458-64

Effects of (D-Met2,Pro5)-enkephalinamide and naloxone on pial vessels in cats. Kobari M, et al. **J Cereb Blood Flow Metab** 1985 Mar;5(1):34-9

Effects of cholecystokinin octapeptide on pial arteriolar diameter. McCulloch J, et al. **J Cereb Blood Flow Metab** 1984 Dec;4(4):625-8

Effects of bradykinin on permeability and diameter of pial vessels in vivo. Unterberg A, et al. **J Cereb Blood Flow Metab** 1984 Dec;4(4):574-85

Effects of enkephalins, morphine, and naloxone on pial arteries during perivascular microapplication. Wahl M. **J Cereb Blood Flow Metab** 1985 Sep;5(3):451-7

Calcitonin gene-related peptide is present in mammalian cerebrovascular nerve fibres and dilates pial and peripheral arteries. Hanko J, et al. **Neurosci Lett** 1985 Jun 4;57(1):91-5

Inhibition by ketanserin of serotonin induced cerebral arteriolar constriction. Thompson JA, et al. **Stroke** 1984 Nov-Dec;15(6):1021-4

[Structural and functional units in the pial microvascular system] Mchedlishvili GI, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):756-9 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Pigmented cells in the leptomeninges of the cat. Morse DE, et al. **Anat Rec** 1984 Sep;210(1):125-32

METABOLISM

Sub-pial infiltration of blood products following experimental subarachnoid haemorrhage. Cardoso ER, et al. **Acta Neurochir (Wien)** 1985;76(3-4):140-4

PARASITOLOGY

[A case of the acinous form of meningeal cysticercosis] Kozik MB, et al. **Neurol Neurochir Pol** 1984 Mar-Apr;18(2):171-3 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Leptomeningeal cyst formation. Report of an unusual case. Koçanaoğullari O. **Clin Neurol Neurosurg** 1984; 86(4):299-300

Primary rhabdomyosarcoma of the leptomeninx. Clinical, neuroradiological and pathological aspects. Korinthenberg R, et al. **Clin Neurol Neurosurg** 1984;86(4):301-5

[A case of carcinomatosis of the pia mater] Matyja E, et al. **Neuropatol Pol** 1985;23(1):49-54 (Eng. Abstr.) **(Pol)**

PICA

Pica during pregnancy. Lackey CJ. **Bol Asoc Med PR** 1984 Sep;76(9):405-7

COMPLICATIONS

Increased lead absorption in children with accidental ingestions. Hammer LD, et al. **Am J Emerg Med** 1985 Jul; 3(4):301-4

DIAGNOSIS

Diagnosing pica [letter] Mader R, et al. **Postgrad Med** 1985 May 1;77(6):46, 50

ETIOLOGY

Childhood ingestions as symptoms of family distress. Bithoney WG, et al. **Am J Dis Child** 1985 May;139(5):456-9

Sodium chloride pica secondary to iron-deficiency anemia. Shapiro MD, et al. **Am J Kidney Dis** 1985 Jan;5(1):67-8

FAMILIAL & GENETIC

Pica. Morgan RF. **J R Soc Med** 1984 Dec;77(12):1052-4

THERAPY

Controlling pica by components of an overcorrection procedure. Singh NN, et al. **Am J Ment Defic** 1985 Jul; 90(1):40-5

Suppression of pica by overcorrection and physical restraint: a comparative analysis. Singh NN, et al. **J Autism Dev Disord** 1984 Sep;14(3):331-41

VETERINARY

Sand-induced diarrhea in a foal. Ramey DW, et al. **J Am Vet Med Assoc** 1984 Sep 1;185(5):537-8

PICHIA see under **ASCOMYCETES**

PICIBANIL see under **BIOLOGICAL PRODUCTS**

PICK DISEASE OF BRAIN see **DEMENTIA, PRESENILE**

PICK'S DISEASE OF HEART see **PERICARDITIS, CONSTRICTIVE**

PICKWICKIAN SYNDROME

COMPLICATIONS

Papilloedema and respiratory failure. Reeve P, et al. **Br Med J [Clin Res]** 1985 Aug 3;291(6491):331-2

Hypoxia, depression of testosterone, and impotence in pickwickian syndrome reversed by weight reduction. Semple PA, et al. **Br Med J [Clin Res]** 1984 Sep 29; 289(6448):801-2

DIAGNOSIS

[Contribution of nocturnal polygraphy to the diagnosis of Pickwickian syndrome. 10 cases] Chollet S, et al. **Respiration** 1984;46(3):272-81 (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Problems in the pathogenesis, clinical aspects and treatment of the Pickwickian syndrome] Kurako IuL, et al. **Vrach Delo** 1984 Aug;(8):88-91 (Eng. Abstr.) **(Rus)**

HISTORY

In defense of the Pickwickian syndrome. Markel H. **Henry Ford Hosp Med J** 1985;33(1):24-6

A note on the Pickwickian syndrome and Felix Platter (1536-1614). Schiller F. **J Hist Med Allied Sci** 1985 Jan; 40(1):66-7

PICLORAM see under **PICOLINIC ACIDS**

PICODNAVIRUSES see PARVOVIRIDAE

PICOLINES

Control of Isospora suis-induced coccidiosis on a swine farm. Ernst JV, et al. **Am J Vet Res** 1985 Mar;46(3):643-5

Use of amprolium for the control of coccidiosis in pheasants. Patton WH, et al. **Avian Dis** 1984 Jul-Sep;28(3):693-9

The influence of amprolium and butynorate on growth rate and feed utilization by large white turkeys. Spencer GK, et al. **Poult Sci** 1985 Apr;64(4):610-5

ADMINISTRATION & DOSAGE

[Prospective study of preparation for colon double-contrast studies with enemas compared to oral mannitol/Na-picosulfate administration with the same diet] Blasel U, et al. **Radiologe** 1984 Nov;24(11):520-3 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

[Use of picosulfate sodium in upper gastrointestinal examination] Kawai R, et al. **Rinsho Hoshasen** 1984 Aug; 29(8):929-31 (Eng. Abstr.) **(Jpn)**

PICOLINIC ACIDS

[Mercaptopyridinecarboxylic acids. Determination of acidity constants of 6-mercapto-2-pyridinecarboxylic acid] Thunus L, et al. **Ann Pharm Fr** 1984;42(4):329-37 (Eng. Abstr.) **(Fre)**

ANALYSIS

Interactions of some spore constituents: an NMR study. Divakar S. **Indian J Biochem Biophys** 1984 Jun;21(3):166-73

Gas chromatographic determination of picloram in fish. Rieger AW, et al. J **Assoc Off Anal Chem** 1985 Jan-Feb; 68(1):59-61

Ultrastructural localization of dipicolinic acid in dormant spores of Bacillus subtilis by immunoelectron microscopy with colloidal gold particles. Kozuka S, et al. **J Bacteriol** 1985 Jun;162(3):1250-4

[Picolinic acid concentration in human milk] Jendryczko A, et al. **Pol Tyg Lek** 1985 Jan 14;40(2):33-4 **(Pol)**

METABOLISM

Pharmacokinetics of picloram in male volunteers. Nolan RJ, et al. **Toxicol Appl Pharmacol** 1984 Nov;76(2):264-9

PHARMACODYNAMICS

Hormonal regulation of fat esterification & oxidation in hepatocytes from fed rats: modulation by 3-mercaptopicolinate. Schofield PS, et al. **Biochem Int** 1985 Apr;10(4):695-704

Evidence that the stimulation of lipogenesis in the mammary glands of starved lactating rats re-fed with a chow diet is dependent on continued hepatic gluconeogenesis during the absorptive period. Effects of a gluconeogenic inhibitory, mercaptopicolinic acid, in vivo. Williamson DH, et al. **Biochem J** 1985 Jun 15;228(3):727-33

Effects of the hyperglycaemic agent 3-aminopicolinate on amino acid release by rat muscle in vitro. Snell K, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):2032-4

The iron-chelating agent picolinic acid enhances transferrin receptors expression in human erythroleukaemic cell lines. Testa U, et al. **Br J Haematol** 1985 Jul;60(3):491-502

In vivo release of adrenal catecholamines in rats by fusaric acid. Racz K, et al. **Eur J Pharmacol** 1985 Feb 12;109(1):1-7

In vivo activation of macrophages but not natural killer cells by picolinic acid (PLA). Ruffmann R, et al. **J Immunopharmacol** 1984;6(4):291-304

Effect of dietary picolinic acid on the metabolism of exogenous and endogenous zinc in the rat. Seal CJ, et al. **J Nutr** 1985 Aug;115(8):986-93

POISONING

Phenoxy and picolinic acid herbicides and small-intestinal adenocarcinoma in sheep. Newell KW, et al. **Lancet** 1984 Dec 8;2(8415):1301-5

THERAPEUTIC USE

Effect of fusaric acid (a dopamine beta-hydroxylase inhibitor) on phaeochromocytoma. Nagasaka A, et al. **Clin Endocrinol (Oxf)** 1985 Apr;22(4):437-44

Hypoglycemia with glycerol infusion as antineoplastic therapy: a hypothesis. Burt ME, et al. **Surgery** 1985 Feb; 97(2):231-3

TOXICITY

Acute and chronic toxicity of technical picloram (4-amino-3,5,6-trichloropicolinic acid) to Daphnia magna Straus. Gersich FM, et al. **Bull Environ Contam Toxicol** 1985 Jul;35(1):121-6

PICORNAVIRIDAE

CLASSIFICATION

Picornaviruses of two different genera have similar structures. Luo M, et al. **J Mol Biol** 1984 Dec 15; 180(3):703-14

DRUG EFFECTS

In vitro activity of WIN 51711, a new broad-spectrum antipicornavirus drug. Otto MJ, et al. **Antimicrob Agents Chemother** 1985 Jun;27(6):883-6

Disparate response of encephalomyocarditis virus and MM virus to interferon in JLS-V9R cells. Czarniecki CW, et al. **Antiviral Res** 1984 Dec;4(6):351-5

Isoxazoles with antipicornavirus activity. Diana GD, et al. **J Med Chem** 1985 Jun;28(6):748-52

[In vitro effectiveness of new antiviral substances. 1. Results of screening studies against selected picornaviruses] Tonew M, et al. **Virologie** 1985 Apr-Jun;36(2):103-9 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Biochemistry and structure of picornavirus proteases. Ivanoff LA, et al. **Prog Clin Biol Res** 1985;180:255-6

GENETICS

Similarity in gene organization and homology between proteins of animal picornaviruses and a plant comovirus suggest common ancestry of these virus families. Argos P, et al. **Nucleic Acids Res** 1984 Sep 25;12(18):7251-67

GROWTH & DEVELOPMENT

Entry of poliovirus type 1 and Mouse Elberfeld (ME) virus into HEp-2 cells: receptor-mediated endocytosis and endosomal or lysosomal uncoating. Zeichhardt H, et al. **J Gen Virol** 1985 Mar;66 (Pt 3):483-92

IMMUNOLOGY

Antigenic conservation and divergence between the viral-specific proteins of poliovirus type 1 and various picornaviruses. Emini EA, et al. **Virology** 1985 Jan 15; 140(1):13-20

ISOLATION & PURIFICATION

[Isolation of the virus of Syr-Darya Valley fever] L'vov DK, et al. **Vopr Virusol** 1984 Sep-Oct;29(5):553-8 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Pathogenicity and distribution of avian nephritis virus (G-4260 strain) in inoculated laying hens. Imada T, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Summer;23(2):43-8

PHYSIOLOGY

Picornaviruses are no longer black boxes. Baltimore D. **Science** 1985 Sep 27;229(4720):1366-7

PICORNAVIRUS INFECTIONS

COMPLICATIONS

Sudden death of an infant with rhinovirus infection complicating bronchial asthma: case report. Las Heras J, et al. **Pediatr Pathol** 1983 Jul-Sep;1(3):319-23

IMMUNOLOGY

Humoral immunity in infants with gastroenteritis caused by human calicivirus. Nakata S, et al. **J Infect Dis** 1985 Aug; 152(2):274-9

TRANSMISSION

An outbreak of calicivirus associated gastroenteritis in an elderly persons home. A possible zoonosis? Humphrey TJ, et al. **J Hyg (Lond)** 1984 Oct;93(2):293-9

VETERINARY

Isolation and identification of caliciviruses from dogs with enteric infections. Evermann JF, et al. **Am J Vet Res** 1985 Jan;46(1):218-20

Feline calicivirus subunit vaccine--a prototype. Komolafe OO, et al. **Antiviral Res** 1985 Aug;5(4):241-8

Pathogenicity and distribution of avian nephritis virus (G-4260 strain) in inoculated laying hens. Imada T, et al. **Natl Inst Anim Health Q (Tokyo)** 1983 Summer;23(2):43-8

Feline viral respiratory disease. The carrier state, vaccination, and control. August JR. **Vet Clin North Am [Small Anim Pract]** 1984 Nov; 14(6):1159-71 (36 ref.)

PICRATES

Picric acid methods greatly overestimate serum creatinine in mice: more accurate results with high-performance liquid chromatography. Meyer MH, et al. **Anal Biochem** 1985 Jan;144(1):285-90

Reaction of picrate with creatinine and cepha antibiotics. Kroll MH, et al. **Clin Chem** 1984 Oct;30(10):1664-6

[Comparison of the kinetics of release of picric acid from 2 different types of homeopathic granules] Dubost JP, et al. **Ann Pharm Fr** 1984;42(4):323-8 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

[Histopathological diagnosis of early stages of myocardial infarction--applications of the improved hematoxylin basic fuchsin picric acid (HBFP) staining method to human autopsy hearts] Fujita M, et al. **Hokkaido Igaku Zasshi** 1985 May;60(3):313-20 (Eng. Abstr.) **(Jpn)**

[Comparison of acid fuchsin (AF) staining and hematoxylin-basic fuchsin-picric acid (HBFP) staining for demonstration of early myocardial infarction] Ohtani S, et al. **Rinsho Byori** 1984 Sep;32(9):1013-6 **(Jpn)**

METABOLISM

Uptake, elimination, and metabolism of 14C-picric acid and 14C-picramic acid in the American oyster (Crassostrea virginica). Burton DT, et al. **Arch Environ Contam Toxicol** 1984 Nov;13(6):653-63

Ca2+-induced phase separation in black lipid membranes and its effect on the transport of a hydrophobic ion. Miller A, et al. **Biochim Biophys Acta** 1985 Mar 14;813(2):221-9

Bioconcentration and metabolism of picric acid (2,4,6-trinitrophenol) and picramic acid (2-amino-4,6-dinitrophenol) in rainbow trout Salmo gairdneri. Cooper KR, et al. **J Toxicol Environ Health** 1984; 14(5-6):731-47

PHARMACODYNAMICS

Use-dependent block of GABA-activated chloride channels in crayfish muscle fibers by picrate. Kaila K, et al. **Comp Biochem Physiol [C]** 1984;78(2):309-13

Effect of 2,4,6-trinitrophenol on catecholamine secretion from perfused bovine adrenal glands. Yamanaka K, et al. **Jpn J Pharmacol** 1985 Jan;37(1):120-3

PICROTOXIN

Effect of inosine on seizures induced with pentylenetetrazole, bicuculline, or picrotoxin. Lewin E, et al. **Epilepsia** 1985 May-Jun;26(3):258-61

Differential effects of picrotoxin- and pentylenetetrazol-induced convulsions on the secretion of luteinizing hormone and follicle-stimulating hormone in rats. Fujii T, et al. **Psychoneuroendocrinology** 1984; 9(4):391-7

ANALOGS & DERIVATIVES

The picrotoxinin binding site and its relationship to the GABA receptor complex. White WF, et al. **J Neurochem** 1985 Mar;44(3):812-7

Involvement of picrotoxinin receptor in the action of cyclodiene insecticides. Matsumura F. **Neurotoxicology** 1985 Summer;6(2):139-63

DIAGNOSTIC USE

Increased sensitivity to picrotoxin as an index of physical dependence on alcohol in the mouse. Szabó G, et al. **Drug Alcohol Depend** 1984 Oct;14(2):187-95

PHARMACODYNAMICS

Effect of GABA and its antagonists, bicuculline and picrotoxin, on nerve cell discharges of the photosensory pineal organ of the frog, Rana esculenta. Meissl H, et al. **Brain Res** 1985 Apr 15;332(1):39-46

Electrical fields directly contribute to action potential synchronization during convulsant-induced epileptiform bursts. Snow RW, et al. **Brain Res** 1984 Dec 3;323(1):114-8

Bicuculline and picrotoxin block gamma-aminobutyric acid-gated Cl- conductance by different mechanisms. Akaike N, et al. **Experientia** 1985 Jan 15;41(1):70-1

Barbiturate and picrotoxin-sensitive chloride efflux in rat cerebral cortical synaptoneurosomes. Schwartz RD, et al. **FEBS Lett** 1984 Sep 17;175(1):193-6

Modification of seizures elicited by the benzodiazepine Ro 5-3663--a comparison with picrotoxin. File SE. **J Pharm Pharmacol** 1984 Dec;36(12):837-40

Stimulation of vasopressin release by gamma-aminobutyric acid antagonists in spinal cord transected rats. Wible JH Jr, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):378-85

Injections of picrotoxin and bicuculline into the amygdaloid complex of the rat: an electroencephalographic, behavioural and morphological analysis. Turski WA, et al. **Neuroscience** 1985 Jan;14(1):37-53

Drug-induced modulation of locomotor hyperactivity induced by picrotoxin in nucleus accumbens. Morgenstern R, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):501-6

Effects of valproate on hyponeophagia in rats: competitive antagonism with picrotoxin and non-competitive antagonism with RO 15-1788. Shephard RA, et al. **Psychopharmacology (Berlin)** 1985;86(3):313-7

[Effect of nootropic agents on the lowering of the spasm threshold after a single ethanol application] Dienel A, et al. **Biomed Biochim Acta** 1984;43(10):1179-84 (Eng. Abstr.) **(Ger)**

[Effect of picrotoxin on the receptive fields of neurons of the vibrissal projection area in the cerebral cortex of the cat] Aleksandrov AA, et al. **Neirofiziologiia** 1984; 16(6):838-42 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Picrotoxin, the antidote to ivermectin in dogs? [letter] Sivine

F, et al. **Vet Rec** 1985 Feb 16;116(7):195-6

[Clinical experimental test and equilibrimetric measurements of the therapeutic action of a homeopathic drug consisting of ambra, cocculus, Conium and mineral oil in the diagnosis of vertigo and nausea] Claussen CF, et al. **Arzneimittelforsch** 1984;34(12):1791-8 (Eng. Abstr.) **(Ger)**

TOXICITY

Inhibition of seizures induced by picrotoxin and electroshock by cholecystokinin octapeptides and their fragments in rats after intracerebroventricular administration. Kádár T, et al. **Neuropharmacology** 1984 Aug;23(8):955-61

PICRYL CHLORIDE

IMMUNOLOGY

Regional and systemic immune responses to trinitrophenyl derivatives after intranasal and subcutaneous sensitization of mice. Enander I, et al. **J Allergy Clin Immunol** 1985 Jan;75(1 Pt 1):37-43

PIEDRA see under **MYCOSES**

PIERICIDIN A see under **ANTIBIOTICS**

PIERRE ROBIN SYNDROME

[Proceedings of the seminar on the severe neonatal forms of the Pierre-Robin syndrome. Abstracts] **Rev Stomatol Chir Maxillofac** 1984;85(5):355-9 **(Fre)**

COMPLICATIONS

Elective tracheal intubation in the prone position for a neonate with Pierre Robin syndrome [letter] Populaire C, et al. **Anesthesiology** 1985 Feb;62(2):214-5

Combined occipitoatlantoaxial hypermobility with anterior and posterior arch defects of the atlas in Pierre-Robin syndrome. Gamble JG, et al. **J Pediatr Orthop** 1985 Jul-Aug;5(4):475-8

Pierre Robin syndrome and pulmonary hypertension. Dykes EH, et al. **J Pediatr Surg** 1985 Feb;20(1):49-52

[Congenital defect of the lens in the Pierre-Robin syndrome] Kuchynka P, et al. **Cesk Oftalmol** 1985 Mar;41(2):62-5 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Incomplete median cleft of the lower lip associated with cleft palate, the Pierre Robin anomaly or hypodontia. Ranta R. **Int J Oral Surg** 1984 Dec;13(6):555-8

EMBRYOLOGY

[Can a relationship between tongue function and mandibular shape in patients with Pierre-Robin syndrome be demonstrated?] Zschiesche S. **Fortschr Kieferorthop** 1985 Jan;46(1):72-8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

The Pierre Robin syndrome reassessed in the light of recent research. Edwards JR, et al. **Br J Plast Surg** 1985 Jul;38(3):339-42

FAMILIAL & GENETIC

On the pathogenesis of cleft palate in the Pierre Robin syndrome. Rintala A, et al. **Scand J Plast Reconstr Surg** 1984;18(2):237-40

PATHOLOGY

Cephalometric comparisons of the cranial base and face in children with the Pierre Robin anomalad and isolated cleft palate. Ranta R, et al. **Proc Finn Dent Soc** 1985;81(2):82-90

PHYSIOPATHOLOGY

Glossoptosis-apnea syndrome in infancy. Cozzi F, et al. **Pediatrics** 1985 May;75(5):836-43

THERAPY

Clinical experience with the Robin sequence. Pasyayan HM, et al. **Cleft Palate J** 1984 Oct;21(4):270-6

[Management of Pierre-Robin syndrome] Chassagne JF, et al. **Rev Stomatol Chir Maxillofac** 1985;86(3):195-202 (Eng. Abstr.) **(Fre)**

[Therapy of Pierre Robin syndrome] Balbi P, et al. **Minerva Stomatol** 1985 May-Jun;34(3):453-61 (Eng. Abstr.) **(Ita)**

PIGEONS

Toxicity in utility pigeons caused by the coccidiostat dinitolmide. Reece RL, et al. **Aust Vet J** 1984 Aug;61(8):259-61

Polycystic kidneys in a pigeon. Van Alstine WG, et al. **Avian Dis** 1984 Jul-Sep;28(3):758-64

Adrenocorticotrophic hormone and melanocyte stimulating hormone do not affect performance in hippocampus-lesioned or control pigeons. Sahgal A. **Behav Brain Res** 1984 Oct;14(1):9-15

Experimental transfer of Trichomonas gallinae (Rivolta, 1878) from white-winged doves to mourning doves. Conti JA, et al. **J Wildl Dis** 1985 Jul;21(3):229-32

Diagnostic exercise. Tetrameres americana infection in pigeons. Hubbard GB, et al. **Lab Anim Sci** 1984 Oct;34(5):441-2

Control of the temporal location of schedule-induced attack in pigeons. Flory RK, et al. **Physiol Behav** 1985 Mar;34(3):341-8

Infection of fowls with Newcastle disease virus by food contaminated with pigeon faeces. Alexander DJ, et al. **Vet Rec** 1984 Dec 8;115(23):601-2

Outbreak of the pigeon paramyxovirus serotype 1 in the Sudan. Ballouh A, et al. **Vet Rec** 1985 Apr 6;116(14):375

Feather abnormalities associated with paramyxovirus-1 pigeon variant in pigeons and chickens. Lemahieu P, et al. **Vet Rec** 1985 Jun 1;116(22):591

Isolation of pigeon herpes encephalomyelitis virus in Saudi Arabia. Shalaby MA, et al. **Vet Res Commun** 1985 Jul;9(3):239-244

[Inclusion hepatitis in 'young' pigeons] Akkermans JP. **Tijdschr Diergeneeskd** 1985 Jul 1;110(13):537 **(Dut)**

[Is Chlamydia psittaci a complicating factor in paramyxovirus 1 infection in pigeons?] Schmeer N, et al. **DTW** 1984 Nov 22;91(11-12):398-9 (Eng. Abstr.) **(Ger)**

[Pigeons with implanted lead bullets. Effect on delta-aminolevulinic acid dehydratase and determination of corrosion] Moder S, et al. **Tierarztl Prax** 1984;12(2):185-90 **(Ger)**

ANATOMY & HISTOLOGY

A quantitative approach to cytoarchitectonics. X. The areal pattern of the neostriatum in the domestic pigeon, Columba livia f.d. A cyto- and myeloarchitectonical study. Rehkämper G, et al. **Anat Embryol (Berl)** 1985;171(3):345-55

Some observations on the morphology of the pigeon's seminiferous epithelium cells. Orsi AM, et al. **Anat Histol Embryol** 1984 Dec;13(4):327-32

Catecholamine-containing neurons and lymphoid cells in a lacrimal gland of the pigeon. Walcott B, et al. **Brain Res** 1985 Feb 25;328(1):129-37

Post-vagotomy changes in the ultrastructure of the thyroid gland and circulating levels of its hormones in the pigeon. Pilo B, et al. **Cytobios** 1984;41(163-164):175-80

Cell populations of the ganglion cell layer: displaced amacrine and matching amacrine cells in the pigeon retina. Hayes BP. **Exp Brain Res** 1984;56(3):565-73

Estriol-induced changes in ovary and oviduct of the domestic pigeon Columbia livia Gmelin. Manna CK, et al. **Indian J Exp Biol** 1984 Jun;22(6):335-7

Telencephalic connections of the trigeminal system in the pigeon (Columba livia): a trigeminal sensorimotor circuit. Wild JM, et al. **J Comp Neurol** 1985 Apr 22;234(4):441-64

Ultrastructure of glia-like cells contacting cerebrospinal fluid of pigeon third ventricle. Koshiba K. **J Electron Microsc (Tokyo)** 1984;33(1):60-4

A light and transmission electron microscope study of the neural processes within the pigeon anterior semicircular canal neuroepithelium. Correia MJ, et al. **Prog Clin Biol Res** 1985;176:247-62

Scanning electron microscopy of the lateral ventricle of the pigeon brain. Mestres P, et al. **Scan Electron Microsc** 1985;(Pt 1):239-46

[Cause of tissue swelling during osmification following glutaraldehyde perfusion fixation] Drenhaus U, et al. **Z Mikrosk Anat Forsch** 1985;99(1):146-60 (Eng. Abstr.) **(Ger)**

BLOOD

Factors essential for desensitization of pigeon erythrocyte adenylate cyclase responsiveness in a cell-free system. Popov KM, et al. **Biochem Int** 1985 May;10(5):723-31

EMBRYOLOGY

The formation of the axonal pattern in the embryonic avian retina. Halfter W, et al. **J Comp Neurol** 1985 Feb 22;232(4):466-80

GROWTH & DEVELOPMENT

Thyroid development in altricial ring doves, Streptopelia risoria. McNabb FM, et al. **Gen Comp Endocrinol** 1985 May;58(2):243-51

Developing pigeon retina: light-evoked responses and ultrastructure of outer segments and synapses. Bagnoli P, et al. **J Comp Neurol** 1985 May 15;235(3):384-94

IMMUNOLOGY

An analysis of the structure of the antigen receptor on a pigeon cytochrome c-specific T cell hybrid. Samelson LE. **J Immunol** 1985 Apr;134(4):2529-35

Paramyxovirus infection in pigeons [letter] Hutchison DC. **Vet Rec** 1984 Sep 29;115(13):335

[Serological studies of pigeon sera for antibodies against a paramyxovirus isolate and Newcastle disease virus following recovery from paramyxovirus infection and after vaccination with a live and dead vaccine] Baumbach B, et al. **DTW** 1985 Mar 8;92(3):90-2 (Eng. Abstr.) **(Ger)**

[Pneumonitis caused by hypersensitivity to the antigen(s) of pigeons. I. Clinical study] Reyes PA, et al. **Arch Inst Cardiol Mex** 1984 Nov-Dec;54(6):561-7 (Eng. Abstr.) **(Spa)**

METABOLISM

Determination of alpha-chloralose residues in vertebrate tissues by gas-liquid chromatography. Odam EM, et al. **Analyst** 1984 Oct;109(10):1335-8

Effects of histamine and a histamine releaser on body temperature and blood levels of metabolites and thyroid hormones in the pigeon. John TM, et al. **Arch Int Pharmacodyn Ther** 1985 May;275(1):160-76

Effects of electrical stimulation in vivo of M. pectoralis on carbohydrate metabolism with reference to certain liver and blood values in the pigeon. Pilo B, et al. **Arch Int Physiol Biochim** 1984 Aug;92(2):131-8

Grain-fed pigeons revisited: a pioneer test for vitamin B12. Castle WB. **Br J Exp Pathol** 1985 Aug;66(4):503-10

Regional distribution of catecholaminergic terminals in the pigeon visual system. Bagnoli P, et al. **Brain Res** 1985 Jul 1;337(2):277-86

The prefrontal 'cortex' in the pigeon. Biochemical evidence. Divac I, et al. **Brain Res** 1985 Apr 22;332(2):365-8

Retrograde transport of [3H]GABA in the striatotegmental system of the pigeon. Hall K, et al. **Brain Res** 1984 Sep 17;310(1):157-63

Influence of species, sex and drug pretreatment on the metabolism of metyrapone. Dixon PA, et al. **Comp Biochem Physiol [C]** 1985;81(1):241-3

Effect of glucocorticoid administration early in life on aortic prostaglandin synthesis and morphology in atherosclerosis-susceptible pigeons. Deitemeyer D, et al. **Exp Clin Endocrinol** 1985 Apr;85(2):147-54

Stimulation of crop sac and pituitary lactotrophs after intraventricular administration of dermorphin in pigeons. Rotiroti D, et al. **Gen Comp Endocrinol** 1984 Oct;56(1):24-31

Presence of immunoreactive melatonin in different tissues of the pigeon (Columba livia). Vakkuri O, et al. **Gen Comp Endocrinol** 1985 Apr;58(1):69-75

Further purification and characterization of diacetyl reductase from pigeon liver. Bernardo A, et al. **Int J Biochem** 1984;16(10):1065-70

Comparative localization of neurons containing ovine corticotropin releasing factor (CRF)-like and neurophysin-like immunoreactivity in the diencephalon of the pigeon (Columba livia domestica). Péczely P, et al. **J Comp Neurol** 1984 Sep 1;228(1):69-80

Cholesterol metabolism in pigeon aortic smooth muscle cells lacking a functional low density lipoprotein receptor pathway. Randolph RK, et al. **J Lipid Res** 1984 Sep;25(9):903-12

Pigeon aortic smooth muscle cells lack a functional low density lipoprotein receptor pathway. Randolph RK, et al. **J Lipid Res** 1984 Sep;25(9):888-902

Variations in ascorbic acid concentrations in the liver, gonads, kidney, and blood serum of feral blue rock pigeon (Columba livia gmelin) during the breeding and nonbreeding seasons. Kotak VC, et al. **Poult Sci** 1985 Mar;64(3):542-4

Hepatic mixed-function oxidase activities of wild pigeons. Husain MM, et al. **Xenobiotica** 1984 Oct;14(10):761-6

MICROBIOLOGY

Observation of Pigeon herpesvirus 1 re-excretion during the reproduction period in conventionally reared homing pigeons. Vindevogel H, et al. **J Comp Pathol** 1985 Jan;95(1):105-12

Safety and efficacy of clavulanate-potentiated amoxycillin in pigeons (Columba livia). Cooper JE. **Res Vet Sci** 1985 Jul;39(1):87-9

An improved medium for the isolation of Cryptococcus neoformans from pigeon droppings. Rubio M, et al. **Sabouraudia** 1984;22(4):345-6

Paramyxovirus disease in racing pigeons. Clinical aspects and immunization. A report from the Netherlands. Lumeij JT, et al. **Vet Q** 1985 Jan;7(1):60-5

Isolation of paramyxoviruses from pigeons in Israel [letter] Weisman Y, et al. **Vet Rec** 1984 Dec 8;115(23):605

[Characteristics of paramyxoviruses isolated from pigeons in Czechoslovakia] Cernik K, et al. **Vet Med (Praha)** 1985 Feb;30(2):103-17 (Eng. Abstr.) **(Cze)**

[Paramyxovirus in racing pigeons] Lumeij JT, et al. **Tijdschr Diergeneeskd** 1984 Oct 1;109(19):762-3 **(Dut)**

[Declaration of vaccination in connection with paramyxovirus vaccination of racing pigeons] Wichers OR, et al. **Tijdschr Diergeneeskd** 1984 Oct 1;109(19):784-5 **(Dut)**

PARASITOLOGY

Identity of Argas (Argas) polonicus populations in Czechoslovakia and Poland. Dusbábek F. **Folia Parasitol (Praha)** 1985;32(2):163-71

PHYSIOLOGY

Hearing thresholds of normal and fenestrated deaf pigeons. A behavioural study on hearing with the vestibular organ. Wit HP, et al. **Acta Otolaryngol (Stockh)** 1985 Jul-Aug;100(1-2):36-41

Primary peristalsis in pigeon cervical oesophagus: two EMG patterns. Fileccia R, et al. **Arch Int Physiol Biochim** 1984 Oct;92(3):185-94

Comparing frontal and lateral viewing in the pigeon. III. Different patterns of eye movements for binocular and monocular fixation. Bloch S, et al. **Behav Brain Res** 1984 Aug;13(2):173-82

Interocular transfer in the pigeon after lesions of the dorsal supraoptic decussation. Goodale MA. **Behav Brain Res** 1985 Jul;16(1):1-7

Near-field acuity changes after visual system lesions in pigeons. II. Telencephalon. Hodos W, et al. **Behav Brain Res** 1984 Jul;13(1):15-30

Near-field acuity after visual system lesions in pigeons. I. Thalamus. Macko KA, et al. **Behav Brain Res** 1984 Jul; 13(1):1-14

Retinal and tectal responses to alternating gratings are unaffected by monocular deprivation in pigeons. Bagnoli P, et al. **Brain Res** 1985 Jul 15;338(2):341-5

Grasping in the pigeon: mechanisms of motor control. Deich J, et al. **Brain Res** 1985 Jul 1;337(2):362-7

Invariance of retinal output during visual learning. Wild JM, et al. **Brain Res** 1985 Apr 1;331(1):127-35

Electrophysiological evidence for central nervous connections of the pigeon's pineal gland. Demaine C, et al. **Brain Res Bull** 1984 Nov;13(5):629-34

Analysis and lipoprotein lipase activation capacity of plasma lipoproteins isolated from atherosclerosis-susceptible White Carneau pigeon and atherosclerosis-resistant Show Racer pigeon. Hogg SI, et al. **Comp Biochem Physiol [B]** 1984; 79(2):251-4

Lactogenic hormones stimulate the liver to secrete a factor that acts synergistically with prolactin to promote growth of the pigeon crop-sac mucosal epithelium in vivo. Nicoll CS, et al. **Endocrinology** 1985 Apr;116(4):1449-53

Single unit activity in the nucleus of the basal optic root (nBOR) during optokinetic, vestibular and visuo-vestibular stimulations in the alert pigeon (Columbia livia). Gioanni H, et al. **Exp Brain Res** 1984;57(1):49-60

Comparative studies on spermatogenesis in the pigeon and toad as influenced by testosterone propionate and progesterone. Chowdhury AR. **Folia Biol (Krakow)** 1984; 32(3):195-9

Evidence for 'short loop' feedback regulation of prolactin and growth hormone secretion in the pigeon. Hall TR, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):233-8

Stimulus requirements for prolactin and LH secretion in incubating ring doves. Ramsey SM, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):246-56

Morphology and laminar distribution of electrophysiologically identified cells in the pigeon's optic tectum: an intracellular study. Hardy O, et al. **J Comp Neurol** 1985 Mar 15;233(3):390-404

Prolactin and parenting in the pigeon family. Silver R. **J Exp Zool** 1984 Dec;232(3):617-25 (35 ref.)

Spontaneous and driven responses of semicircular canal primary afferents in the unanesthetized pigeon. Anastasio TJ, et al. **J Neurophysiol** 1985 Aug;54(2):335-47

The discharge characteristics of vagal cardiac neurons during classically conditioned heart rate change. Gold MR, et al. **J Neurosci** 1984 Dec;4(12):2963-71

A central Na+ receptor and its influence on osmotic and angiotensin II induced drinking in the pigeon Columbia livia. Thornton SN. **J Physiol (Paris)** 1984;79(6):505-10

Electrical phenomena in the telencephalon of the pigeon during pecking. Boiko VP, et al. **Neurosci Behav Physiol** 1985 May-Jun;15(3):265-70

Electrocardiogram of the racing pigeon (Columba livia domestica). Lumeij JT, et al. **Res Vet Sci** 1985 May; 38(3):275-8

Cardiovascular and blood gas changes during panting responses induced by ambient or spinal cord heating in the pigeon. Barnas GM, et al. **Respir Physiol** 1984 Jul; 57(1):89-101

Photopic spectral sensitivities of the red and the yellow field of the pigeon retina. Wortel JF, et al. **Vision Res** 1984; 24(9):1107-13

PIGMENT EPITHELIUM OF EYE

Nodular adenomatosis of iris pigment epithelium. Tso MO, et al. **Am J Ophthalmol** 1985 Jul 15;100(1):87-95

Retinal pigment epithelium tear as a cause of vitreous hemorrhage. Traboulsi EI, et al. **Ann Ophthalmol** 1985 Apr; 17(4):228-30, 235

Ocular abnormalities occurring with alopecia areata. Tosti A, et al. **Dermatologica** 1985;170(2):69-73

Fluoroangiographic and echographic study on a juxtapapillary hamartoma of the retinal pigment epithelium. Mele A, et al. **Ophthalmologica** 1984;189(4):180-5

Retinal pigment epithelium decompensation. I. Clinical features and natural course. Jalkh AE, et al. **Ophthalmology** 1984 Dec;91(12):1544-8

Combined hamartomas of the retina and retinal pigment epithelium. Schachat AP, et al. **Ophthalmology** 1984 Dec; 91(12):1609-15

Peripheral retinal detachments and retinal pigment epithelial atrophic tracts secondary to central serous pigment epitheliopathy. Yannuzzi LA, et al. **Ophthalmology** 1984 Dec;91(12):1554-72

Retinal pigment epithelial hamartoma. Rosenberg PR. **Trans Pa Acad Ophthalmol Otolaryngol** 1985 Winter; 37(2):190-3

[Disciform detachment of the macular neuroepithelium--analysis of 118 cases on fundus fluorescein angiography] Liu CZ. **Chung Hua Yen Ko Tsa Chih** 1984 Nov;20(6):342-4 **(Chi)**

[Diagnostic elements in hamartoma of the retina and the pigment epithelium] Corcostegui B, et al. **Bull Mem Soc Fr Ophtalmol** 1985;96:152-9 **(Fre)**

[Hamartoma of the pigment epithelium and juvenile pigmented retinal gliosis] Turut P, et al. **Bull Soc Ophtalmol Fr** 1984 Apr;84(4):465-9 (Eng. Abstr.) **(Fre)**

[Vitreous fluorophotometry in experimental pigment epitheliopathy] Hanyuda T, et al. **Nippon Ganka Gakkai Zasshi** 1985 Mar;89(3):503-11 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

X-linked inheritance of ocular albinism with late-onset sensorineural deafness. Winship I, et al. **Am J Med Genet** 1984 Dec;19(4):797-803

Primary glaucoma associated with iridotrabecular dysgenesis and ectropion uveae. Dowling JL Jr, et al. **Ophthalmology** 1985 Jul;92(7):912-21

[Hamartoma of the pigment epithelium. Apropos of 3 cases] Fantin J, et al. **Bull Soc Ophtalmol Fr** 1984 May;84(5):595-8 (Eng. Abstr.) **(Fre)**

ANALYSIS

Two-dimensional electrophoresis of proteins from cultured human retinal-pigment epithelial cells: internal references, cataloging, and glycoproteins. Haley JE, et al. **Clin Chem** 1984 Dec;30(12 Pt 1):1906-13

Identification of some plasma membrane proteins of cultured rat pigment epithelial cells by labeling with 125I. Clark VM, et al. **Exp Eye Res** 1984 Nov;39(5):611-28

Distribution of spectrin and lectin-binding materials in surface lamina of RPE cells. Opas M, et al. **Invest Ophthalmol Vis Sci** 1985 May;26(5):621-7

Components of the cytoskeleton in the retinal pigmented epithelium of the chick. Philp NJ, et al. **J Cell Biol** 1985 Aug;101(2):358-62

CYTOLOGY

Culture of retinal pigment epithelium from chorio-retinal biopsies. Nicolaissen B Jr, et al. **Acta Ophthalmol (Copenh)** 1985 Apr;63(2):129-34

Eye enucleation and regeneration of neural retina in axolotl larvae (Ambystoma mexicanum). Yew DT. **Anat Anz** 1985; 158(3):217-29

Retinal pigment epithelial cells in epiretinal membranes: an immunohistochemical study. Hiscott PS, et al. **Br J Ophthalmol** 1984 Oct;68(10):708-15

A serum-free defined medium for retinal pigment epithelial cells. Oka MS, et al. **Exp Cell Res** 1984 Oct;154(2):537-47

Separation of bovine pigmented ciliary epithelial cells by density gradient and further characterization in culture. Coca-Prados M, et al. **Exp Eye Res** 1985 May;40(5):731-9

Location and possible function of fibronectin and laminin in clones of chick retinal pigmented epithelial cells. Crawford BJ, et al. **In Vitro Cell Dev Biol** 1985 Feb; 21(2):79-87

Regional changes in retinal pigment epithelial cell density during ocular development. Robb RM. **Invest Ophthalmol Vis Sci** 1985 May;26(5):614-20

Senescence and the retinal pigment epithelium: alterations in basal plasma membrane morphology. Katz ML, et al. **Mech Ageing Dev** 1985 Apr;30(1):99-105

Reaggregation of embryonic chick retina cells: pigment epithelial cells induce a high order of stratification. Vollmer G, et al. **Neurosci Lett** 1984 Jul 27;48(2):191-6

[Role of calcium-dependent and calcium-independent mechanisms in the adhesion of retinal and pigment epithelium cells in the chick embryo] Dol'nikova AE, et al. **Ontogenez** 1985 Mar-Apr;16(2):149-55 (Eng. Abstr.) **(Rus)**

[Cultivation of the retinal pigment epithelium in the cavity of the lentectomized eye of newts] Grigorian EN, et al. **Ontogenez** 1985 Jan-Feb;16(1):34-43 (Eng. Abstr.) **(Rus)**

[Radioautographic study of the cellular proliferation of retinal pigment epithelium in axolotls] Svistunov SA, et al. **Ontogenez** 1984 Nov-Dec;15(6):599-607 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

5-Fluorouracil toxicity to the ocular surface epithelium. Shapiro MS, et al. **Invest Ophthalmol Vis Sci** 1985 Apr; 26(4):580-3

In vitro evaluation of cellular inhibitory potential of various antineoplastic drugs and dexamethasone. Fiscella R, et al. **Ophthalmic Surg** 1985 Apr;16(4):247-9

[Pharmacological sensitivity of the photopic c-wave in the electroretinogram of the chicken. I. Effects of sodium azide, adrenaline, and a barbiturate] Wioland N, et al. **C R Acad Sci [III]** 1984;299(18):745-8 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Myeloid bodies in the pigment epithelium of a teleost embryo, the viviparous Poecilia reticulata. Ennis S, et al. **Cell Biol Int Rep** 1984 Dec;8(12):1029-39

Localization of laminin, type IV collagen, fibronectin, and heparan sulfate proteoglycan in chick retinal pigment epithelium basement membrane during embryonic development. Turksen K, et al. **J Histochem Cytochem** 1985 Jul;33(7):665-71

[Pigment epithelium of the eye in the human embryo in vitro] Terekhov SM, et al. **Tsitol Genet** 1984 Sep-Oct; 18(5):368-73 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Redistribution of Na-K-ATPase in the dystrophic rat retinal pigment epithelium. Caldwell RB, et al. **J Neurocytol** 1984 Dec;13(6):895-910

IMMUNOLOGY

Platelet-derived growth factor is chemotactic for human retinal pigment epithelial cells. Campochiaro PA, et al. **Arch Ophthalmol** 1985 Apr;103(4):576-9

Phagocytosis of lectin-coated beads by dystrophic and normal retinal pigment epithelium. Seyfried-Williams R, et al. **Exp Cell Res** 1984 Oct;154(2):500-9

INJURIES

Retinal pigment epithelial rip during krypton red laser photocoagulation. Gass JD. **Am J Ophthalmol** 1984 Dec 15;98(6):700-6

METABOLISM

Labelled leucine uptake in the visual cells and pigment epithelium of young albino rats in response to different light-dark cycles. Chan KW, et al. **Acta Histochem (Jena)** 1984;75(1):1-8

A photogrammetric method to measure fluid movement across isolated frog retinal pigment epithelium. Frambach DA, et al. **Biophys J** 1985 Apr;47(4):547-52

Changes in the distribution of laminin, fibronectin, type IV collagen and heparan sulfate proteoglycan during colony formation by chick retinal pigment epithelial cells in vitro. Turksen K, et al. **Coll Relat Res** 1984 Dec;4(6):413-26

Postenucleation survival of taurine uptake by pigment epithelium and choroid of the baboon eye. Hussain AA, et al. **Exp Eye Res** 1985 Apr;40(4):643-6

Synthesis of glycosaminoglycans by chick retinal pigment epithelium in vitro. Chihara E, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;222(1):45-50

Comparison of fetal and adult retinol and retinoic acid binding proteins in bovine serum and pigment epithelium. Cullum ME, et al. **Int J Vitam Nutr Res** 1984;54(4):297-305

Induction of DNA synthesis by co-culture of retinal glia and pigment epithelium. Burke JM, et al. **Invest Ophthalmol Vis Sci** 1985 May;26(5):636-42

Sialic acid on the surface of photoreceptors and pigment epithelium in RCS rats. Cohen D, et al. **Invest Ophthalmol Vis Sci** 1984 Nov;25(11):1342-5

Endocytosis and degradation of interstitial retinol-binding protein: differential capabilities of cells that border the interphotoreceptor matrix. Hollyfield JG, et al. **J Cell Biol** 1985 May;100(5):1676-81

Increase in actin contents and elongation of apical projections in retinal pigmented epithelial cells during development of the chicken eye. Owaribe K, et al. **J Cell Biol** 1985 Aug;101(2):590-6

Chick embryonic pigmented retina is one of the group of epithelioid tissues that lack cytokeratins and desmosomes and have intermediate filaments composed of vimentin. Docherty RJ, et al. **J Cell Sci** 1984 Oct;71:61-74

Elevation of intracellular cyclic AMP and stimulation of adenylate cyclase activity by vasoactive intestinal peptide and glucagon in the retinal pigment epithelium. Koh SW, et al. **J Neurochem** 1984 Dec;43(6):1522-6

Induction of retinol esterification in retinal pigment epithelial cells by butyrate. Jeng I. **Life Sci** 1984 Nov 19; 35(21):2143-8

Characterization of laser-induced fluorescence in the canine retinal pigment epithelium. Nicolaissen B Jr, et al. **Neurochem Pathol** 1984-85 Winter;2(4):277-84

Exocytosis by retinal pigment epithelial cells. Matsumura M, et al. **Ophthalmic Res** 1985;17(3):148-53

Type, location and role of glycosaminoglycans in cloned differentiated chick retinal pigmented epithelium. Crawford BJ, et al. **Tissue Cell** 1984;16(6):885-908

[Study on vitamin A metabolism in the cultured human retinal pigment epithelium] Hu DN. **Chung Hua Yen Ko Tsa Chih** 1984 Jan;20(1):34-7 **(Chi)**

[Biosynthesis of glycosaminoglycans by chick retinal pigment epithelium in vitro. III. Difference between apical and basal side] Chihara E, et al. **Nippon Ganka Gakkai Zasshi** 1984 Aug;88(8):1147-50 (Eng. Abstr.) **(Jpn)**

[Transport of subretinal fluid by the retinal pigment epithelium; studies on rhegmatogenous retinal detachment surgery without drainage of the subretinal fluid] Chihara E, et al. **Nippon Ganka Gakkai Zasshi** 1984 Oct; 88(10):1318-23 **(Jpn)**

[Generation of superoxides during the interaction of melanins with oxygen] Lapina VA, et al. **Biokhimiia** 1984 Oct; 49(10):1712-8 (Eng. Abstr.) **(Rus)**

[Comparison of the antioxidative defense system of pigment epithelium of the eye in pigmented animals and in albinos] Sakina NL, et al. **Biokhimiia** 1985 Jan;50(1):78-83 (Eng. Abstr.) **(Rus)**

[Binding of iron ions by shielding eye pigments of vertebrates and invertebrates--melanosomes and ommochromes] Lapina VA, et al. **Ukr Biokhim Zh** 1985 Jan-Feb;57(1):12-5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Recurrences and bilaterality in the multiple evanescent white-dot syndrome. Aaberg TM, et al. **Am J Ophthalmol** 1985 Jul 15;100(1):29-37

Fluorescein angiography in reticular degeneration of the pigment epithelium. Straatsma BR, et al. **Am J Ophthalmol** 1985 Jul 15;100(1):202-8

Cryotherapy enhances intravitreal dispersion of viable retinal pigment epithelial cells. Campochiaro PA, et al. **Arch Ophthalmol** 1985 Mar;103(3):434-6

Vitreous aspirates from patients with proliferative vitreoretinopathy stimulate retinal pigment epithelial cell migration. Campochiaro PA, et al. **Arch Ophthalmol** 1985 Sep;103(9):1403-5

Retinal microangiopathy and pigment epithelial lesions in subjects with normal, borderline, and decreased oral glucose tolerance. Algvere P, et al. **Br J Ophthalmol** 1985 Jun;69(6):416-9

The fine structure of pigment epithelium of the iris in capsular glaucoma. Shimizu T, et al. **Graefes Arch Clin Exp Ophthalmol** 1985;223(2):77-82

Rips of the retinal pigmentepithelium. Tutein Nolthenius PA, et al. **Int Ophthalmol** 1985 Apr;8(1):19-23

Disease expression in cultured pigment epithelium. Feline mucopolysaccharidosis VI. Stramm L, et al. **Invest Ophthalmol Vis Sci** 1985 Feb;26(2):182-92

Treatment with aldose reductase inhibitor or with myo-inositol arrests deterioration of the electroretinogram of diabetic rats. MacGregor LC, et al. **J Clin Invest** 1985 Aug;76(2):887-9

Atrophies 'like flows' of the retinal pigment epithelium: a neuroepithelium-draining method of the posterior pole. Haut J, et al. **Ophthalmologica** 1984;189(3):121-7

The Gardner syndrome. Significance of ocular features. Lewis RA, et al. **Ophthalmology** 1984 Aug;91(8):916-25

Multifocal pigment epithelial detachments by reticulum cell sarcoma. A characteristic funduscopic picture. Gass JD, et al. **Retina** 1984 Summer-Fall;4(3):135-43

[Serpiginous choroiditis and placoid epitheliopathy] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1153-62 (Eng. Abstr.) **(Fre)**

[Tumor of the pigmentary epithelium of the iris. Discussion of a case] Flament J, et al. **Bull Soc Ophtalmol Fr** 1984 Mar;84(3):309-11 (Eng. Abstr.) **(Fre)**

[Tumors and pseudotumors of the pigment epithelium] Chamot L, et al. **J Fr Ophtalmol** 1984;7(12):825-36 (Eng. Abstr.) **(Fre)**

[Unusual associations of pattern dystrophies] Lodato G, et al. **J Fr Ophtalmol** 1985;8(2):147-54 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Serum contains chemoattractants for human retinal pigment epithelial cells. Campochiaro PA, et al. **Arch Ophthalmol** 1984 Dec;102(12):1830-3

Retinal pigment epithelial cells release a chemoattractant for astrocytes. Rowen SL, et al. **Arch Ophthalmol** 1985 May;103(5):704-7

Interactions between PI and slow PIII in the generation of the electroretinogram c-wave. Nilsson SE. **Dev Ophthalmol** 1984;9:53-8

RPE destruction causes choriocapillary atrophy. Korte GE, et al. **Invest Ophthalmol Vis Sci** 1984 Oct;25(10):1135-45

Effects of hypoxia on potassium homeostasis and pigment epithelial cells in the cat retina. Linsenmeier RA, et al. **J Gen Physiol** 1984 Dec;84(6):945-70

The phagocytic activity of the pigment epithelium in development and after optic nerve sectioning in the rat. Yew DT, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):257-61

Translation of type IV procollagen messenger RNA from cultured cat retinal pigment epithelial cells. Shen S, et al. **Ophthalmic Res** 1985;17(4):216-20

[Scanning electron microscopic studies of human retinal pigment epithelium in culture--phagocytic process of latex microspheres] Akeo K, et al. **Nippon Ganka Gakkai Zasshi** 1985 Mar;89(3):433-9 (Eng. Abstr.) **(Jpn)**

[Phagocytosis of the retinal pigment epithelium. 3. The influence of hydrophilicity and hydrous nature of polystyrene spheres] Kanai K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Dec;88(12):1428-36 (Eng. Abstr.) **(Jpn)**

[Phagocytosis of the retinal pigment epithelium. 2. Selectivity of phagocytosis and surface charge of polystyrene spheres] Kanai K, et al. **Nippon Ganka Gakkai Zasshi** 1984 Oct;88(10):1293-305 (Eng. Abstr.) **(Jpn)**

[Diamox response of ocular standing potential as a clinical test for retinal pigment epithelium activity. Normal subjects] Madachi-Yamamoto S, et al. **Nippon Ganka Gakkai Zasshi** 1984 Oct;88(10):1267-72 (Eng. Abstr.) **(Jpn)**

[Hyperpolarization of the membrane potentials of the retinal pigment epithelial cell induced by hyperosmolarity. Origin of the hyperosmolarity response] Mukoh S, et al. **Nippon Ganka Gakkai Zasshi** 1984 Dec;88(12):1492-6 (Eng. Abstr.) **(Jpn)**

[Electrical responses of the retinal pigment epithelium to hyperosmolarity] Mukoh S. **Nippon Ganka Gakkai Zasshi** 1985 Mar;89(3):482-97 (Eng. Abstr.) **(Jpn)**

[Effect of ion substitution on the electrical parameters of the isolated dog retinal pigment epithelium] Uchihori Y, et al. **Nippon Ganka Gakkai Zasshi** 1984 Nov;88(11):1357-63 (Eng. Abstr.) **(Jpn)**

[Suppressive effect on the electro-oculographic light rise of the intravenous injection of a hypertonic solution] Wakabayashi K, et al. **Nippon Ganka Gakkai Zasshi** 1985 Mar;89(3):423-7 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Do we need a retinal pigment epithelium (or choroid) for the maintenance of retinal apposition? Foulds WS. **Br J Ophthalmol** 1985 Apr;69(4):237-9

Slow retinal potentials in diseases of the retinal pigment epithelium. Röver J, et al. **Dev Ophthalmol** 1984;9:195-203

Hyperosmolarity response of ocular standing potential as a clinical test for retinal pigment epithelium activity diabetic retinopathy. Kawasaki K, et al. **Doc Ophthalmol** 1984 Dec 15;58(4):375-84

Lectin-ferritin binding on dystrophic and normal retinal pigment epithelial membranes. McLaughlin BJ, et al. **J Neurocytol** 1984 Jun;13(3):467-80

[Drainage of subretinal fluid by the retinal pigment epithelium: their role in reattachment of the retina] Chihara E, et al. **Nippon Ganka Gakkai Zasshi** 1985 Jan;89(1):225-6 (Eng. Abstr.) **(Jpn)**

[Functional disorder of retinal pigment epithelium after cataract extraction] Kawasaki K, et al. **Nippon Ganka Gakkai Zasshi** 1985 May;89(5):649-53 (Eng. Abstr.) **(Jpn)**

SURGERY

Laser treatment of primary ring-shaped epithelial iris cyst. Bron AJ, et al. **Br J Ophthalmol** 1984 Dec;68(12):859-65

Retinal pigment epithelium decompensation. II. Laser treatment. Jalkh AE, et al. **Ophthalmology** 1984 Dec;91(12):1549-53

Healing of photocoagulation lesions affects the rate of subretinal fluid resorption. Negi A, et al. **Ophthalmology** 1984 Dec;91(12):1678-83

TRANSPLANTATION

Transplantation of cultured human retinal epithelium to Bruch's membrane of the owl monkey's eye. Gouras P, et al. **Curr Eye Res** 1985 Mar;4(3):253-65

ULTRASTRUCTURE

Connections between the sensory retina and the retinal pigment epithelium. Nicolaissen B Jr. **Acta Ophthalmol (Copenh)** 1985 Feb;63(1):68-72

Retinal fine structure in the European eel Anguilla anguilla. III. Pigment epithelium of the yellow eel stage. Braekevelt CR. **Anat Anz** 1984;157(4):275-83

Isolation of plasma membranes from the bovine retinal pigment epithelium. Braunagel SC, et al. **Biochim Biophys Acta** 1985 Mar 14;813(2):183-94

On the distribution and probable origin of axonal bundles in the pigment epithelium of the eyecup. Guillery RW, et al. **Brain Res** 1985 Jan;349(1-2):293-5

Spatial distribution of cortical proteins in cells of epithelial sheets. Opas M, et al. **Cell Tissue Res** 1985;239(2):451-4

Lanthanum and freeze-fracture studies of retinal pigment epithelial cell junctions in the streptozotocin diabetic rat. Caldwell RB, et al. **Curr Eye Res** 1985 Mar;4(3):215-27

The isolation by self forming gradients of Percoll of plasma membrane enriched fractions from bovine retinal pigment epithelium. Ottonello S, et al. **Curr Eye Res** 1984 Sep;3(9):1085-96

Adhesiveness and distribution of vinculin and spectrin in retinal pigmented epithelial cells during growth and differentiation in vitro. Opas M, et al. **Dev Biol** 1985 Feb;107(2):269-80

The eye of the venomous marine teleost Trachinus vipera with special reference to the structure and ultrastructure of visual cells and pigment epithelium. Kunz YW, et al. **Exp Biol** 1985;43(3):161-78

Retinitis pigmentosa: a quantitative study of the apical membrane of normal and dystrophic human retinal pigment epithelial cells in tissue culture in relation to phagocytosis. Boulton M, et al. **Graefes Arch Clin Exp Ophthalmol** 1984;221(5):214-29

The retinal pigment epithelium of wild type (C57BL/6J +/+) and pearl mutant (C57BL/6J pe/pe) mice. Williams MA, et al. **Invest Ophthalmol Vis Sci** 1985 May;26(5):657-69

Retinal pigment epithelial correlates of avian retinal degeneration: electron microscopic analysis. Fite KV, et al. **J Comp Neurol** 1985 Jan 15;231(3):310-22

Fine structure of the retinal pigment epithelial region of the archerfish (Toxotes jaculatrix). Braekevelt CR. **Ophthalmic Res** 1985;17(4):221-9

Choroidal neovascularization can digest Bruch's membrane. A prior break is not essential. Heriot WJ, et al. **Ophthalmology** 1984 Dec;91(12):1603-8

[Histological observations on the normal retinal pigment epithelium in the Chinese] Huang GL. **Chung Hua Yen Ko Tsa Chih** 1984 Jul;20(4):214-7 **(Chi)**

[Ultrastructure of the pigment epithelium of the normal human retina] Zhu XA. **Chung Hua Yen Ko Tsa Chih** 1985 May;21(3):133-5 **(Chi)**

PIGMENTATION

see related

CHROMATOPHORES

Pigment spots related to scleral emissaries in Eskimos, Mongols, and Caucasians. Norn M. **Acta Ophthalmol (Copenh)** 1985 Apr;63(2):236-41

Pigmentation of plica and lacrymal caruncle. Prevalence among Caucasians, Eskimos, and Japanese. Norn M. **Acta Ophthalmol (Copenh)** 1984 Dec;62(6):939-43

Inversion of anterior chamber pigment as a possible prognostic sign in narrow angles. Desjardins D, et al. **Am J Ophthalmol** 1985 Sep 15;100(3):480-1

Physiological doses of prolactin stimulate pelage pigmentation in Djungarian hamster. Duncan MJ, et al. **Am J Physiol** 1985 Jun;248(6 Pt 2):R664-7

Pigmented cells in the leptomeninges of the cat. Morse DE, et al. **Anat Rec** 1984 Sep;210(1):125-32

Pertinent considerations in oral pigmentations. Dummett CO. **Br Dent J** 1985 Jan 5;158(1):9-12 (15 ref.)

Retinal damage in pigmented and albino rats exposed to low levels of cyclic light following a single mydriatic treatment. Williams RA, et al. **Curr Eye Res** 1985 Feb;4(2):97-102

Independent development of homologous pattern elements in the wing patterns of butterflies. Nijhout HF. **Dev Biol** 1985 Mar;108(1):146-51

Experimental analysis of the extensive pigmentation in the Silkie fowl embryo: evidence for an environmental regulatory process. Ferrand R, et al. **Experientia** 1985 Apr 15;41(4):512-4

Altered secretion and accumulation of kidney glycosphingolipids by mouse pigmentation mutants with lysosomal dysfunctions. Gross SK, et al. **J Biol Chem** 1985 Apr 25;260(8):5033-9

Butterfly wing patterns: how good a determining mechanism is the simple diffusion of a single morphogen? Bard JB, et al. **J Embryol Exp Morphol** 1984 Dec;84:255-74

Pink napkins--presenting feature in a case of alkaptonuria. Sutherland DA, et al. **J Inherited Metab Dis** 1984;7(2):56

Pigmentation-associated glycoprotein of human melanomas and melanocytes: definition with a mouse monoclonal antibody. Thomson TM, et al. **J Invest Dermatol** 1985 Aug;85(2):169-74

Anxieties incidental to normal pigmentations of the oral mucosa. Dummett CO, et al. **Milit Med** 1985 Feb;150(2):80-6

Dilute-coat-color locus of mice: nucleotide sequence analysis of the d+2J and d+Ha revertant alleles. Hutchison KW, et al. **Mol Cell Biol** 1984 Dec;4(12):2899-904

Physiologic pigmentation of the gingiva in Israeli Jews of different ethnic origin. Gorsky M, et al. **Oral Surg Oral Med Oral Pathol** 1984 Oct;58(4):506-9

The effects of recessive white and dominant white genotypes on early growth rate. Fox W, et al. **Poult Sci** 1985 Mar;64(3):429-33

Abnormal visual pathways in normally pigmented cats that are heterozygous for albinism. Leventhal AG, et al. **Science** 1985 Sep 27;229(4720):1395-7

DRUG EFFECTS

Energy requirements for pigment aggregation in fundulus melanophores. Clark TG, et al. **Cell Motil** 1984;4(6):431-41

Effects of various organic chemicals on the regreening of red colored Chlorella zofingiensis. Irmer U, et al. **Ecotoxicol Environ Safety** 1985 Feb;9(1):121-33

An evaluation of the effectiveness of azelaic acid as a depigmenting and chemotherapeutic agent. Pathak MA, et al. **J Invest Dermatol** 1985 Sep;85(3):222-8

RADIATION EFFECTS

Tissue anoxia prevents inflammation and pigmentation caused by UVA but not by UVB or PUVA. Tegner E. **Photodermatol** 1984 Dec;1(6):311-2

PIGMENTATION DISORDERS

Pigmentatio reticularis faciei et colli [letter] Rebora A, et al. **Arch Dermatol** 1985 Aug;121(8):968

Incontenentia pigmenti. Singhal M, et al. **Indian Pediatr** 1984 Dec;21(12):975-7

Yellow nail syndrome. Monk B. **Int J Dermatol** 1985 Jan-Feb;24(1):56

CHEMICALLY INDUCED

Thyroid gland pigmentation and minocycline therapy. Gordon G, et al. **Am J Pathol** 1984 Oct;117(1):98-109

Black galactorrhea as a consequence of minocycline and phenothiazine therapy. Basler RS, et al. **Arch Dermatol** 1985 Mar;121(3):417-8

Minocycline-related hyperpigmentation. Basler RS. **Arch Dermatol** 1985 May;121(5):606-8

Yellow staining caused by 4,4'-methylenedianiline exposure. Occurrence among molded plastics workers. Cohen SR. **Arch Dermatol** 1985 Aug;121(8):1022-7

Titanium pigmentation. An electron probe microanalysis study. Dupre A, et al. **Arch Dermatol** 1985 May;121(5):656-8

Chloroquine-induced hypopigmentation of hair and freckles. Association with congenital renal failure. Dupré A, et al. **Arch Dermatol** 1985 Sep;121(9):1164-6

Hyperpigmentation of the skin associated with minocycline therapy. Gordon G, et al. **Arch Dermatol** 1985 May; 121(5):618-23

Acanthosis nigricans-like hyperpigmentation secondary to triazinate therapy. Greenspan AH, et al. **Arch Dermatol** 1985 Feb;121(2):232-5

Linear hypopigmentation [letter] Litt JZ. **Arch Dermatol** 1985 Jan;121(1):26

Melanonychia induced by topical 5-fluorouracil. Baran R, et al. **Br J Dermatol** 1985 May;112(5):621-5

Leucoderma induced by monomethyl ether of hydroquinone. Boyle J, et al. **Clin Exp Dermatol** 1985 Mar;10(2):154-8

A cutaneous complication of Dorbanex therapy [letter] Cox NH, et al. **Clin Exp Dermatol** 1984 Nov;9(6):624-5

Occupational pigmented contact dermatitis from azo-dyes. Fujimoto K, et al. **Contact Dermatitis** 1985 Jan;12(1):15-7

Leukoderma from hydroquinone. Romaguera C, et al. **Contact Dermatitis** 1985 Mar;12(3):183

Pigmentary changes due to long-term minocycline therapy. Liu TT, et al. **Cutis** 1985 Mar;35(3):254-5

Minocycline hyperpigmentation: skin, tooth, nail, and bone involvement. Wolfe ID, et al. **Cutis** 1984 May;33(5):457-8

Hyperpigmentation induced by furocoumarins. Rodighiero G. **Farmaco [Prat]** 1985 Jun;40(6):173-86

Discolouration of the optic disc in baboons during treatment with prizidilol (SK&F 92657), a novel antihypertensive agent. Barnett KC, et al. **Hum Toxicol** 1985 Jul;4(4):417-24

Cutaneous hyperpigmentation induced by amiodarone hydrochloride. Alinovi A, et al. **J Am Acad Dermatol** 1985 Mar;12(3):563-6

Synergism of minocycline and amitriptyline in cutaneous hyperpigmentation [letter] Basler RS, et al. **J Am Acad Dermatol** 1985 Mar;12(3):577

Hyperpigmentation due to topical application of silver sulfadiazine cream [letter] Dupuis LL, et al. **J Am Acad Dermatol** 1985 Jun;12(6):1112-4

Amalgam tattoo: report of an unusual clinical presentation and the use of energy dispersive X-ray analysis as an aid to diagnosis. McGinnis JP Jr, et al. **J Am Dent Assoc** 1985 Jan;110(1):52-4

Minocycline induced pigmentation of the oral cavity. Salman RA, et al. **J Oral Med** 1985 Jul-Sep;40(3):154-7

An unusual case of oral pigmentation. Fendrich P, et al. **Oral Surg Oral Med Oral Pathol** 1984 Sep;58(3):288-9

Minocycline hydrochloride and thyroid pigmentation. A case report with histological and ultrastructural study. Delprado WJ, et al. **Pathology** 1984 [illegible] 16(3):339-41

[Gingival pigmentation caused by dental amalgam. An ultrastructural study] Veron C, et al. **J Biol Buccale** 1984 Dec;12(4):273-86 (Eng. Abstr.) **(Fre)**

[Hyperpigmentation caused by amiodaron] Lakatos A, et al. **Orv Hetil** 1985 Jun 2;126(22):1343-5 (Eng. Abstr.) **(Hun)**

[Pigmentation caused by Cordarone] Varotti C, et al. **G Ital Dermatol Venereol** 1985 May-Jun;120(3):183-6 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Pigmentatio reticularis faciei et colli with multiple epithelial cysts. Hori Y, et al. **Arch Dermatol** 1985 Jan;121(1):109-11

Thymic carcinoid with cutaneous hyperpigmentation. Lieske TR, et al. **Arch Intern Med** 1985 Feb;145(2):361-3

Congenital cranio-facial dysmorphosis associated with Ito's syndrome (incontinentia pigmenti achromians): a case report. Stricker M, et al. **Br J Plast Surg** 1984 Oct; 37(4):472-6

Hypomelanosis of Ito associated with benign tumors and chromosomal abnormalities: a neurocutaneous syndrome. Ishikawa T, et al. **Brain Dev** 1985;7(1):45-9

Dyskeratosis congenita with pancytopenia. Dodd HJ, et al. **Clin Exp Dermatol** 1985 Jan;10(1):73-8

The complex of myxomas, spotty pigmentation, and endocrine overactivity. Carney JA, et al. **Medicine (Baltimore)** 1985 Jul;64(4):270-83

Hypomelanosis of Ito: association with a chromosomal abnormality. Miller CA, et al. **Neurology** 1985 Apr; 35(4):607-10

[Cutaneous achromia and malignant melanoma] Barrière H, et al. **Ann Dermatol Venereol** 1984;111(11):991-6 (Eng. Abstr.) **(Fre)**

[Retinal dysplasia in a case of incontinentia pigmenti] Hachet E, et al. **Bull Soc Ophtalmol Fr** 1984 Mar;84(3):285-6 (Eng. Abstr.) **(Fre)**

[Two cases of Darier's disease associated with guttate leukoderma] Baba T, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Aug;94(9):1003-13 **(Jpn)**

[Livedo reticularis and cerebral vascular accidents: Sneddon syndrome (letter)] Marés R, et al. **Med Clin (Barc)** 1985 Mar 30;84(12):505 **(Spa)**

CONGENITAL

Incontinentia pigmenti associated with nasolacrimal duct obstruction. Smith B, et al. **Ophthalmic Surg** 1984 Dec; 15(12):980-2

Ink-blot macules: an alternative to 'Mongolian spots' [letter] Kaplan RE. **Pediatr Dermatol** 1984 Jul;2(1):86

[Incontinentia pigmenti--the Bloch-Sulzberger syndrome] Kopřiva F, et al. **Cesk Pediatr** 1984 Nov;39(11):656-8 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Reticulate pigmentary disorders--a review. Griffiths WA. **Clin Exp Dermatol** 1984 Sep;9(5):439-50 (46 ref.)

Pigmentary demarcation lines associated with pregnancy. James WD, et al. **J Am Acad Dermatol** 1984 Sep; 11(3):438-40

Yellow nail syndrome. Pavlidakey GP, et al. **J Am Acad Dermatol** 1984 Sep;11(3):509-12

Thermography as a predictive tool for laser treatment of port-wine stains. Patrice T, et al. **Plast Reconstr Surg** 1985 Oct;76(4):554-7

[Differential diagnosis of pigmented lesions of the oral cavity] Pérusse R, et al. **Can Dent Assoc J** 1984 Oct;50(10):783-7 (Eng. Abstr.) **(Fre)**

[Bloch-Sulzberger pigment incontinence] Kleszky M, et al. **Dermatol Monatsschr** 1985;171(2):118-22 (Eng. Abstr.) **(Ger)**

[Dowling-Degos disease] Hammer G. **Z Hautkr** 1984 Sep 1;59(17):1179-82 (Eng. Abstr.) **(Ger)**

[Clinical features of carotinemia] Aloy Pantín M, et al. **Med Cutan Ibero Lat Am** 1985;13(1):31-4 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Decreased dopachrome oxidoreductase activity in yellow mice. Barber JI, et al. **J Hered** 1985 Jan-Feb;76(1):59-60

ETIOLOGY

Pigmentary dispersion glaucoma secondary to posterior chamber intra-ocular lenses. Woodhams JT, et al. **Ann Ophthalmol** 1984 Sep;16(9):852-5

Exaggerated physiologic speckled mottling of the limbs. Graham RM, et al. **Arch Dermatol** 1985 Mar;121(3):415-7

Hair and fingernail changes in acquired and congenital pernicious anemia. Carmel R. **Arch Intern Med** 1985 Mar; 145(3):484-5

Hypercarotenaemia [editorial] Sharman IM. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):95-6

Hyperpigmentation induced by argon laser therapy of hemangiomas. Optical and electron microscope studies. Bonafé JL, et al. **Dermatologica** 1985;170(5):225-9

Contact leukoderma due to 'Bindi' and footwear. Pandhi RK, et al. **Dermatologica** 1985;170(5):260-2

Unusual pigmentation on the skin over trunk bones and extremities. Tanigaki T, et al. **Dermatologica** 1985; 170(5):235-9

Bronze baby syndrome. Report of a case. Ashley JR, et al. **J Am Acad Dermatol** 1985 Feb;12(2 Pt 1):325-8

Hyperpigmentation in megaloblastic anemia. Marks VJ, et al. **J Am Acad Dermatol** 1985 May;12(5 Pt 2):914-7

Lichen aureus: a hemosiderin tattoo associated with perforator vein incompetence. Shelley WB, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 1):260-4

Congenital-nevus-like nevi, nevi spili, and café-au-lait spots in patients with malignant melanoma. Kopf AW, et al. **J Dermatol Surg Oncol** 1985 Mar;11(3):275-80

Leukonychia partialis in Kawasaki disease [letter] Iosub S, et al. **J Infect Dis** 1984 Oct;150(4):617-8

Pigmentation after dermabrasion: an avoidable complication. Ship AG, et al. **Plast Reconstr Surg** 1985 Apr;75(4):528-32

Blackfly bites, onchocerciasis and leopard skin. Connor DH, et al. **Trans R Soc Trop Med Hyg** 1985;79(3):415-7

[Nail dyschromia as the leading symptom in chronic mercury poisoning caused by a cosmetic bleaching preparation] Böckers M, et al. **Z Hautkr** 1985 May 15;60(10):821-9 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Incontinentia pigmenti. A longitudinal study. O'Brien JE, et al. **Am J Dis Child** 1985 Jul;139(7):711-2

Incontinentia pigmenti (IP) and r(X). Tentative mapping of the IP locus to the X juxtacentromeric region. de Grouchy J, et al. **Ann Genet (Paris)** 1985;28(2):86-9

Translocation (X;9)(p11;q34) in a girl with incontinentia pigmenti (IP): implications for the regional assignment of the IP locus to Xp11? Gilgenkrantz S, et al. **Ann Genet (Paris)** 1985;28(2):90-2

Dyskeratosis congenita with macular cutaneous amyloid deposits. Llistosella E, et al. **Arch Dermatol** 1984 Oct; 120(10):1381-2

Marrow transplantation for pancytopenia in dyskeratosis congenita. Mahmoud HK, et al. **Blut** 1985 Jul;51(1):57-60

Genetic and developmental aspects of pathological pigmentation patterns. Goudie RB, et al. **Curr Top Pathol** 1985;74:103-39 (136 ref.)

Density of dopa-positive melanocytes in dyschromatosis symmetrica hereditaria. Hata S, et al. **Dermatologica** 1985; 171(1):27-9

Lyonization and the lines of Blaschko. Happle R. **Hum Genet** 1985;70(3):200-6 (55 ref.)

Transmissible spongiform encephalopathy in the gray tremor mutant mouse. Sidman RL, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):253-7

Dyschromatosis symmetrica hereditaria--a histochemical and ultrastructural study. Sheu HM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1985 Feb;84(2):238-49

[Kitamura's reticulate acropigmentation] Moayed NJ, et al. **Ann Dermatol Venereol** 1984;111(10):933-7 **(Fre)**

[Simultaneous occurrence of metageria and Gottron's acrogeria in one family] Kaufmann I, et al. **Z Hautkr** 1985 Jun 15;60(12):975-84 (Eng. Abstr.) **(Ger)**

[Sex-related neurologic diseases. Menkes disease. Incontinentia pigmenti] Mulas F. **An Esp Pediatr** 1984 Oct; 21 Suppl 20:41-4 **(Spa)**

HISTORY

Jay Frank Schamberg (1870-1934). Shelley WB, et al. **Am J Dermatopathol** 1984 Oct;6(5):441-4

IMMUNOLOGY

Incontinentia pigmenti: a failure of immune tolerance? Person JR. **J Am Acad Dermatol** 1985 Jul;13(1):120-4

[Involvement of Ia-positive accessory cells for activation of cytotoxic T lymphocyte specific for melanocyte-associated antigens in patients with Vogt-Koyanagi-Harada disease] Maezawa N, et al. **Nippon Ganka Gakkai Zasshi** 1985 Mar; 89(3):440-6 (Eng. Abstr.) **(Jpn)**

[Surface marker studies on the activated peripheral blood lymphocytes of Vogt-Koyanagi-Harada's disease] Okubo K, et al. **Nippon Ganka Gakkai Zasshi** 1985 Feb; 89(2):358-63 (Eng. Abstr.) **(Jpn)**

METABOLISM

[A case of incontinentia pigmenti demonstrated an eosinophil chemotactic factor] Tsuda S, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Jun;94(7):815-21 **(Jpn)**

PATHOLOGY

Familial melanopathy with gigantic melanocytes. el Darouti MA. **Am J Dermatopathol** 1984 Summer;6 Suppl:31-4

Biopsy technique for longitudinal streaks of pigmentation in nails. A preliminary report. Kopf AW, et al. **Am J Dermatopathol** 1984 Summer;6 Suppl:309-12

The late appearance of hypopigmented maculae in tuberous sclerosis. Oppenheimer EY, et al. **Am J Dis Child** 1985 Apr;139(4):408-9

Acquired intertriginous pigmentation: Dowling-disease or reticulated-pigmented anomaly of the flexures. Kalter DC. **Arch Dermatol** 1985 Mar;121(3):401, 404

Behavior of melanocytes in reticulate acropigmentation of Kitamura. Mizoguchi M, et al. **Arch Dermatol** 1985 May; 121(5):659-61

Unilateral ashy dermatosis occurring in a child. Urano-Suehisa S, et al. **Arch Dermatol** 1984 Nov; 120(11):1491-3

Generalized racemose livedo with cerebrovascular lesions (Sneddon syndrome): an occlusive arteriolopathy due to proliferation and migration of medial smooth muscle cells. Marsch WC, et al. **Br J Dermatol** 1985 Jun;112(6):703-8

Lichen aureus: a localized persistent form of pigmented purpuric dermatitis. Price ML, et al. **Br J Dermatol** 1985 Mar;112(3):307-14

Macules. Ackerman AB, et al. **Cutis** 1985 Apr;35(4):325-6

Depigmentation of the male genitalia. Gaffoor PM. **Cutis** 1984 Nov;34(5):492-4

Amalgam tattoos of the oral soft tissue. Hatch CL, et al. **Ear Nose Throat J** 1984 Sep;63(9):416-22

Black thyroid: clinical manifestations, ultrastructural findings, and possible mechanisms. Alexander CB, et al. **Hum Pathol** 1985 Jan;16(1):72-8

Hypopigmented lesions in sarcoidosis [letter] Hall RS, et al. **J Am Acad Dermatol** 1984 Dec;11(6):1163-4

Prurigo pigmentosa. Case report with an electron microscopic observation. Shimizu H, et al. **J Am Acad Dermatol** 1985 Jan;12(1 Pt 2):165-9

A peculiar corporal pigmentation--a presumed variant of acropigmentatio reticularis (Kitamura). Fujita H, et al. **J Dermatol (Tokyo)** 1984 Jun;11(3):287-94

Nelson's syndrome: another condition associated with mucocutaneous hyperpigmentation. Moyer GN, et al. **J Oral Med** 1985 Jan-Mar;40(1):13-7

Ocular findings in incontinentia pigmenti. Rosenfeld SI, et al. **Ophthalmology** 1985 Apr;92(4):543-6

[Ultrastructure of hyperpigmented gingiva due to metallic deposits from dental restorations] Blanchard JP, et al. **J Biol Buccale** 1985 Mar;13(1):37-44 (Eng. Abstr.) **(Fre)**

[Erythema dyschromicum perstans (ashy dermatosis)] Kapu E, et al. **Orv Hetil** 1984 Sep 9;125(37):2245-9 (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

Oral pigmentation, Addison's disease and the results of screening for adrenocortical insufficiency. Lamey PJ, et al. **Br Dent J** 1985 Apr 20;158(8):297-8

A new skin manifestation of progressive systemic sclerosis. Jawitz JC, et al. **J Am Acad Dermatol** 1984 Aug;11(2 Pt 1):265-8

Retinal pigment epithelium disorder in Vogt-Koyanagi-Harada disease revealed by hyperosmolarity response of ocular standing potential. Madachi-Yamamoto S, et al. **Jpn J Ophthalmol** 1984; 28(4):362-9

RADIOGRAPHY

Computed tomographic demonstration of brain changes in incontinentia pigmenti. Avrahami E, et al. **Am J Dis Child** 1985 Apr;139(4):372-4

SURGERY

Surgery for the extensive facial port-wine stain? Clodius L. **Aesthetic Plast Surg** 1985;9(2):61-8

The treatment of leukoderma after burns by a combination of dermabrasion and 'chip' skin grafting. Harashina T, et al. **Br J Plast Surg** 1985 Jul;38(3):301-5

Repigmentation of leukoderma [letter] Behl PN. **J Dermatol Surg Oncol** 1984 Sep;10(9):669-70

THERAPY

[A trial in removing melanin from the dermis] Takematsu H, et al. **Nippon Hifuka Gakkai Zasshi** 1984 Dec; 94(14):1599-607 **(Jpn)**

VETERINARY

Uveitis associated with poliosis and vitiligo in six dogs. Kern TJ, et al. **J Am Vet Med Assoc** 1985 Aug 15;187(4):408-14

Association of megacolon with a new dominant spotting gene (Dom) in the mouse. Lane PW, et al. **J Hered** 1984 Nov-Dec;75(6):435-9

PIGMENTS

Autofluorescence of lipofuscin granules? [letter] Senba M. **Am J Clin Pathol** 1985 Jan;83(1):134

Cirrhosis and alcoholism as pathogenetic factors in pigment gallstone formation. Schwesinger WH, et al. **Ann Surg** 1985 Mar;201(3):319-22

Resonance Raman spectra of phycocyanin, allophycocyanin and phycobilisomes from blue-green alga Anacystis nidulans. Szalontai B, et al. **Biochem Biophys Res Commun** 1985 Jul 16;130(1):358-63

Structure and apoprotein linkages of phycourobilin. Killilea SD, et al. **Biochem J** 1985 Mar 15;226(3):723-31

Exciton interaction in allophycocyanin. Csatorday K, et al. **Biochemistry** 1984 Dec 18;23(26):6466-70

X-ray crystallographic structure of the light-harvesting biliprotein C-phycocyanin from the thermophilic cyanobacterium Mastigocladus laminosus and its resemblance to globin structures. Schirmer T, et al. **J Mol Biol** 1985 Jul 20;184(2):257-77

[Ultrastructural studies on the lipofuscin in the cerebral cortex of aged men and rats] Naoe J. **Hokkaido Igaku Zasshi** 1985 Mar;60(2):160-9 (Eng. Abstr.) **(Jpn)**

[Morphologic evolution of the human pineal gland. II. Calcium concretions, pigment and nuclear polarization] Boya J, et al. **Arch Neurobiol (Madr)** 1984 Jul-Aug; 47(4):183-92 (Eng. Abstr.) **(Spa)**

ANALYSIS

Seasonal changes in the number of neurocytes containing lipofuscin pigment in selected areas of the brain of Rana temporaria L. Srebro Z, et al. **Acta Biol Hung** 1984; 35(1):71-5

Thyroid gland pigmentation and minocycline therapy. Gordon G, et al. **Am J Pathol** 1984 Oct;117(1):98-109

Lipofuscin in amyotrophic lateral sclerosis. McHolm GB, et al. **Arch Neurol** 1984 Nov;41(11):1187-8

Determination of the protein content of crystals formed by Mastigocladus laminosus C-phycocyanin, Chroomonas spec. phycocyanin-645 and modified human fibrinogen using an improved Ficoll density gradient method. Bode W, et al. **Biol Chem Hoppe Seyler** 1985 Mar;366(3):287-95

Purification, amino-acid sequence and some properties of the ferredoxin isolated from Bacillus acidocaldarius. Schlatter D, et al. **Biol Chem Hoppe Seyler** 1985 Mar;366(3):223-31

Structural studies on cryptomonad biliprotein subunits. Two different alpha-subunits in Chroomonas phycocyanin-645 and Cryptomonas phycoerythrin-545. Sidler W, et al. **Biol Chem Hoppe Seyler** 1985 Mar;366(3):233-44

Identification of a red pigment from Streptomyces coelicolor A3(2) as a mixture of prodigiosin derivatives. Tsao SW, et al. **J Antibiot (Tokyo)** 1985 Jan;38(1):128-31

Characterization of the bilin attachment sites in R-phycoerythrin. Klotz AV, et al. **J Biol Chem** 1985 Apr 25;260(8):4856-63

Bilin attachment sites in the alpha, beta, and gamma subunits of R-phycoerythrin. Structural studies on singly and doubly linked phycourobilins. Nagy JO, et al. **J Biol Chem** 1985 Apr 25;260(8):4864-8

Characterization of a carotenoprotein from the carapace of the crab Macropipus puber. Gómez R, et al. **Rev Esp Fisiol** 1984 Sep;40(3):319-23

Pathochemical study of a case of hereditary cerebral degenerative disease--lipopigment accumulation and peroxidase deficiency in brain. Yamaguchi S, et al. **Tohoku J Exp Med** 1985 Feb;145(2):223-9

[Active principles and pigments of the fly agaric Amanita (Amanita muscaria (Fries) Hooker)] Depovere P, et al. **J Pharm Belg** 1984 Jul-Aug;39(4):238-42 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of the neuronal lipofuscin--an autopsy case of familial Alzheimer's disease] Amano N, et al. **No To Shinkei** 1984 Jul;36(7):657-63 (Eng. Abstr.) **(Jpn)**

[Lipofuscin in cardiac myocytes of mice treated with oxamniquine] Mello ML, et al. **Rev Inst Med Trop Sao Paulo** 1984 Sep-Oct;26(5):241-2 (Eng. Abstr.) **(Por)**

ANTAGONISTS & INHIBITORS

Lipofuscin accumulation and its prevention by vitamin E in nervous tissue: quantitative analysis using snail buccal ganglia as a simple model system. Winstanley EK, et al. **Mech Ageing Dev** 1985 Mar;29(3):299-307

BIOSYNTHESIS

In vitro pigment formation from tryptamine. Role of indole-3-acetaldehyde. Das PK, et al. **Biochem Pharmacol** 1985 Aug 1;34(15):2663-7

Chromatic adaptation in a mutant of Fremyella diplosiphon incapable of phycoerythrin synthesis. Beguin S, et al. **Biochimie** 1985 Jan;67(1):109-17

The production of ceroid by mouse peritoneal macrophages in vitro. Ball RY, et al. **Br J Exp Pathol** 1984 Dec; 65(6):719-24

Construction and application of a promoter-probe plasmid that allows chromogenic identification in Streptomyces lividans. Horinouchi S, et al. **J Bacteriol** 1985 Apr; 162(1):406-12

New medium for enhancing pigment production of group B streptococci. Sukroongreung S, et al. **J Clin Pathol** 1984 Nov;37(11):1310-1

The Bakerian lecture, 1984. Biosynthesis of the Pigments of Life. Battersby AR. **Proc R Soc Lond [Biol]** 1985 Jul 22; 225(1238):1-26 (46 ref.)

Possible interrelations of acetyl-homocysteine-thiolactone in mechanisms of lipofuscinogenesis. Aloj Totaro E, et al. **Res Commun Chem Pathol Pharmacol** 1985 Mar; 47(3):415-26

Modification by genetic changes of the pleiotropic interference of butyrolactone-type autoregulators with differentiation of Streptomyces griseus. Gräfe U, et al. **Z Allg Mikrobiol** 1984;24(8):515-23

[Leukemomycin-blocked mutants of Streptomyces griseus and their pigments. II. New 7-hydroxy-bisnahydro-rhodomycinones from the mutant ZIMET 41707/1P] Ihn W, et al. **Z Allg Mikrobiol** 1984; 24(8):525-32 (Eng. Abstr.) **(Ger)**

[Selection of the medium for the simultaneous synthesis of an antibiotic, protease and pigment by a Nocardia fructiferi culture] Toropova EG, et al. **Biol Nauki** 1984;(10):96-101 (Eng. Abstr.) **(Rus)**

BLOOD

Fluorescent substances in mouse and human sera as a parameter of in vivo lipid peroxidation. Tsuchida M, et al. **Biochim Biophys Acta** 1985 Apr 25;834(2):196-204

Increase in plasma lipofuscin levels of stored blood. Hegedus ZL, et al. **Crit Care Med** 1985 Mar;13(3):155-9

GENETICS

Lysosomal mutations inhibit lipofuscinosis of the spleen in C57BL mice. Ahmed F, et al. **J Hered** 1985 Jul-Aug; 76(4):311-2

Molecular cloning and nucleotide sequence of the alpha and beta subunits of allophycocyanin from the cyanelle genome of Cyanophora paradoxa. Bryant DA, et al. **Proc Natl Acad Sci USA** 1985 May;82(10):3242-6

Genes for the alpha and beta subunits of phycocyanin. de Lorimier R, et al. **Proc Natl Acad Sci USA** 1984 Dec; 81(24):7946-50

Cloning and sequencing of the genes encoding the alpha and beta subunits of C-phycocyanin from the cyanobacterium Agmenellum quadruplicatum. Pilot TJ, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):6983-7

ISOLATION & PURIFICATION

Siderophore activity of pyoverdin for Pseudomonas aeruginosa. Cox CD, et al. **Infect Immun** 1985 Apr; 48(1):130-8

Pigment-protein complexes from Rhodopseudomonas palustris: isolation, characterization, and reconstitution into liposomes. Varga AR, et al. **J Bacteriol** 1985 Mar; 161(3):921-7

Invertebrate carotenoproteins. Zagalsky PF. **Methods Enzymol** 1985;111:216-47

METABOLISM

Ultrastructure of lipofuscin granules in normal human skeletal muscles. Finol H, et al. **Acta Cient Venez** 1984; 35(5-6):414-8

The morphology of lipopigment granules in oligodendrocytes of the cerebellum and spinal cord and in Schwann cells of the N. ischiadicus of the cat, Japanese waltzing mouse, and albino mouse. Lange W, et al. **Acta Neuropathol (Berl)** 1985;65(3-4):330-4

Acid phosphatase activity in human neuronal and glial lipofuscin. Maslinska D, et al. **Acta Neuropathol (Berl)** 1984; 64(3):222-8

Lipofuscin granules in cerebellar interneurons after long-term alcohol consumption in the adult rat. Tavares MA, et al. **Anat Embryol (Berl)** 1985;171(1):61-9

Light harvesting by phycobilisomes. Glazer AN. **Annu Rev Biophys Biophys Chem** 1985;14:47-77 (132 ref.)

Pathogenesis of liver damage during parenteral nutrition: is lipofuscin a clue? Berger HM, et al. **Arch Dis Child** 1985 Aug;60(8):774-6

Relationship between gamma-irradiation, life span, metabolic rate and accumulation of fluorescent age pigment in the adult male housefly, Musca domestica. Allen RG. **Arch Gerontol Geriatr** 1985 Jul;4(2):169-78

Morphological evaluation of the lipofuscinolytic effect of acetylhomocysteine thiolactone. Aloj Totáro E, et al. **Arch Gerontol Geriatr** 1985 Apr;4(1):67-72

Age pigments and free radicals: fluorescent lipid complexes formed by iron- and copper-containing proteins. Gutteridge JM. **Biochim Biophys Acta** 1985 Apr 25; 834(2):144-8

Picosecond fluorescence of cryptomonad biliproteins. Effects of excitation intensity and the fluorescence decay times of phycocyanin 612, phycocyanin 645, and phycoerythrin 545. Guard-Friar D, et al. **Biophys J** 1985 Jun;47(6):787-93

Morphological changes of the isocortex in morbus Parkinson. Stockhausen P, et al. **Clin Neuropathol** 1984 Sep-Oct; 3(5):206-9

Tunichrome content in the blood cells of the tunicate, Ascidia callosa Stimpson, as an indicator of vanadium distribution. Robinson WE, et al. **Comp Biochem Physiol [A]** 1984; 78(4):667-73

Receptor mechanisms in fish chromatophores--VIII. Mediated by beta adrenoceptors, catecholamines always act to disperse pigment in siluroid melanophores. Fujii R, et al. **Comp Biochem Physiol [C]** 1985;81(1):1-6

Subtypes of beta adrenergic receptors mediating pigment dispersion in chromatophores of the medaka, Oryzias latipes. Morishita F, et al. **Comp Biochem Physiol [C]** 1985; 81(2):279-85

A mechanism of action for the inhibition of black pigment dispersion in the fiddler crab, Uca pugilator, by naphthalene. Staub GC, et al. **Comp Biochem Physiol [C]** 1984;79(2):447-53

Stereological analysis of lipofuscin in the central nervous system of Torpedo marmorata: correlation with superoxide dismutase distribution. Totaro EA, et al. **Experientia** 1985 Aug 15;41(8):1047-8

Age-related changes in the Purkinje's cells in the rat cerebellar cortex: a quantitative electron microscopic study. Ogata R, et al. **Folia Psychiatr Neurol Jpn** 1984; 38(2):159-67

Lipid-phenolic radical adducts as a plausible mechanism of 'plant ageing' pigment formation. Merzlyak MN, et al. **Gen Physiol Biophys** 1984 Dec;3(6):497-505

Bilin attachment sites in the alpha, beta, and gamma subunits of R-phycoerythrin. Structural studies on singly and doubly linked phycourobilins. Nagy JO, et al. **J Biol Chem** 1985 Apr 25;260(8):4864-8

The distribution of ceroid in human atherosclerosis. Mitchinson MJ, et al. **J Pathol** 1985 Feb;145(2):177-83

Sanfilippo disease, type A with some features of ceroid lipofuscinosis. Wisniewski K, et al. **Neuropediatrics** 1985 May;16(2):98-105

The human placenta does not contain lipofuscin pigment. Haigh M, et al. **Placenta** 1984 Sep-Oct;5(5):459-64

[A case of interstitial pneumonia associated with Hermansky-Pudlak syndrome] Chijimatsu Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Aug; 22(8):708-12 (Eng. Abstr.) **(Jpn)**

[An autopsy case of Hermansky-Pudlak syndrome with diffuse interstitial pneumonia (Davies-Tuddenham syndrome)--marked ceroid-like granule deposition in the renal proximal tubular epithelia] Matsumoto S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1984 Oct; 22(10):932-8 (Eng. Abstr.) **(Jpn)**

[3 autopsy cases of adult pigment type (Peiffer) of familial sudanophilic leukodystrophy] Yamadera H, et al. **Seishin Shinkeigaku Zasshi** 1985;87(2):93-113 (Eng. Abstr.) **(Jpn)**

[Interaction of oxygen anion radicals with eye melanins and ommochromes] Lapina VA, et al. **Dokl Akad Nauk SSSR** 1985;280(6):1463-5 **(Rus)**

[A differential diagnostic scheme for identifying pigment-free variants of Pseudomonas aeruginosa] Arutcheva AA. **Lab Delo** 1984;(8):499-500 **(Rus)**

[Various patterns in structural changes in the cortex and subcortical structures of the human brain during the aging process] Bogolepova IN, et al. **Zh Nevropatol Psikhiatr** 1985;85(7):965-8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Photoreceptor damage and eye pigmentation: influence on the sensitivity of rat pineal N-acetyltransferase activity and melatonin levels to light at night. Webb SM, et al. **Neuroendocrinology** 1985 Mar;40(3):205-9

[Structures and functions of biometallochromophores] Sugiura Y. **Yakugaku Zasshi** 1985 Mar;105(3):199-209 (Eng. Abstr.) **(Jpn)**

TOXICITY

[Toxicity study on a local produced natural food color oiltea shell brown pigment] Ling CD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1985 Jan;19(1):16-20 (Eng. Abstr.) **(Chi)**

PIGS see **SWINE**

PILAR CYST see **EPIDERMAL CYST**

PILI, BACTERIAL

Expression of type 1 pili by Escherichia coli strains of high and low virulence in the intestinal tract of gnotobiotic turkeys. Dominick MA, et al. **Am J Vet Res** 1985 Jan; 46(1):270–5

Genetic analysis of complex gene clusters in Escherichia coli: the genetic analysis of F72 fimbrial genes. Hoekstra WP, et al. **Antonie Van Leeuwenhoek** 1984;50(5–6):585–96 (45 ref.)

Adherence pili in avian strains of Escherichia coli: effect on pathogenicity. Naveh MW, et al. **Avian Dis** 1984 Jul–Sep;28(3):651–61

Type 1C fimbriae of a uropathogenic Escherichia coli strain: cloning and characterization of the genes involved in the expression of the 1C antigen and nucleotide sequence of the subunit gene. van Die I, et al. **Gene** 1985;34(2–3):187–96

Construction and comparison of recombinant plasmids encoding type 1 fimbriae of members of the family Enterobacteriaceae. Clegg S, et al. **Infect Immun** 1985 May; 48(2):275–9

Location and distribution of a receptor for the 987P pilus of Escherichia coli in small intestines. Dean EA, et al. **Infect Immun** 1985 Feb;47(2):345–8

Population shift in mannose-specific fimbriated phase of Klebsiella pneumoniae during experimental urinary tract infection in mice. Maayan MC, et al. **Infect Immun** 1985 Sep;49(3):785–9

Purification and characterization of fimbriae isolated from Bordetella pertussis. Zhang JM, et al. **Infect Immun** 1985 May;48(2):422–7

Frequency among Enterobacteriaceae of the DNA sequences encoding type 1 pili. Buchanan K, et al. **J Bacteriol** 1985 May;162(2):799–803

Expression of Actinomyces viscosus antigens in Escherichia coli: cloning of a structural gene (fimA) for type 2 fimbriae. Donkersloot JA, et al. **J Bacteriol** 1985 Jun;162(3):1075–8

Genetic analysis of the phase variation control of expression of type 1 fimbriae in Escherichia coli. Freitag CS, et al. **J Bacteriol** 1985 May;162(2):668–75

Cloning and sequencing of a Moraxella bovis pilin gene. Marrs CF, et al. **J Bacteriol** 1985 Jul;163(1):132–9

Characterization of DNA fragments encoding fimbriae of the uropathogenic Escherichia coli strain KS71. Rhen M. **J Gen Microbiol** 1985 Mar;131 (Pt 3):571–80

Epidemic outbreaks of acute pyelonephritis caused by nosocomial spread of P fimbriated Escherichia coli in children. Tullus K, et al. **J Infect Dis** 1984 Nov; 150(5):728–36

An invertible element of DNA controls phase variation of type 1 fimbriae of Escherichia coli. Abraham JM, et al. **Proc Natl Acad Sci USA** 1985 Sep;82(17):5724–7

ANALYSIS

Exclusive presence of lactose-sensitive fimbriae on a typical strain (WVU45) of Actinomyces naeslundii. Cisar JO, et al. **Infect Immun** 1984 Nov;46(2):453–8

Immunochemical characterization of P pili from invasive Escherichia coli. Hanley J, et al. **Infect Immun** 1985 Sep; 49(3):581–6

Isolation and separation of physicochemically distinct fimbrial types expressed on a single culture of Escherichia coli O7:K1:H6. Karch H, et al. **Infect Immun** 1985 Feb; 47(2):549–54

Frequency and properties of naturally occurring adherent piliated strains of Haemophilus influenzae type b. Mason EO Jr, et al. **Infect Immun** 1985 Jul;49(1):98–103

Structural and antigenic analysis of meningococcal piliation. Olafson RW, et al. **Infect Immun** 1985 May;48(2):336–42

Characterization of Haemophilus influenzae type b fimbriae. Stull TL, et al. **Infect Immun** 1984 Dec;46(3):787–96

Nucleotide sequence of pilA, the gene encoding the structural component of type 1 pili in Escherichia coli. Orndorff PE, et al. **J Bacteriol** 1985 Apr;162(1):454–7

Purification and characterization of Haemophilus influenzae pili, and their structural and serological relatedness to Escherichia coli P and mannose-sensitive pili. Guerina NG, et al. **J Exp Med** 1985 Jan 1;161(1):145–59

Organization of fimbriate cells in colonies of Escherichia coli strain 3040. Nowicki B, et al. **J Gen Microbiol** 1985 May; 131 (Pt 5):1263–6

DRUG EFFECTS

Cloning and characterization of genes involved in production of mannose-resistant, neuraminidase-susceptible (X) fimbriae from a uropathogenic O6:K15:H31 Escherichia coli strain. Hacker J, et al. **Infect Immun** 1985 Feb; 47(2):434–40

Loss of pili and decreased attachment to human cells by Neisseria meningitidis and Neisseria gonorrhoeae exposed to subinhibitory concentrations of antibiotics. Stephens DS, et al. **Infect Immun** 1984 Nov;46(2):507–13

Alteration of fimbriation and cell hydrophobicity by sublethal concentrations of tetracycline. Peros WJ, et al. **J Periodont Res** 1985 Jan;20(1):24–30

IMMUNOLOGY

Mannose-specific and hydrophobic interaction between Escherichia coli and polymorphonuclear leukocytes--influence of bacterial culture period. Ohman L, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1985 Apr;93(2):125–31

The molecular basis for the localization of bacterial infections. Christensen GD, et al. **Adv Intern Med** 1984; 30:79–112 (114 ref.)

Infectious bovine keratoconjunctivitis: subconjunctival administration of a Moraxella bovis pilus preparation enhances immunogenicity. Pugh GW Jr, et al. **Am J Vet Res** 1985 Apr;46(4):811–5

The structural integrity of pili from Bacteroides nodosus is required to elicit protective immunity against foot-rot in sheep. Emery DL, et al. **Aust Vet J** 1984 Jul;61(7):237–8

The protection given by pilus and whole cell vaccines of Bacteroides nodosus strain 198 against ovine foot-rot induced by strains of different serogroups. Stewart DJ, et al. **Aust Vet J** 1985 May;62(5):153–9

Primary and secondary in vitro immune response of the rabbit Peyer's patch and spleen to RDEC-1 pili. Axelrod DA. **Clin Immunol Immunopathol** 1985 Oct;37(1):124–34

Protection against Escherichia coli-induced urinary tract infections with hybridoma antibodies directed against type 1 fimbriae or complementary D-mannose receptors. Abraham SN, et al. **Infect Immun** 1985 Jun;48(3):625–8

Antibodies that bind to fimbriae block adhesion of Streptococcus sanguis to saliva-coated hydroxyapatite. Fachon-Kalweit S, et al. **Infect Immun** 1985 Jun; 48(3):617–24

Ultrastructural localization of specific gonococcal macromolecules with antibody-gold sphere immunological probes. Robinson EN Jr, et al. **Infect Immun** 1984 Nov; 46(2):361–6

Isolation and structural characterization of the equine erythrocyte receptor for enterotoxigenic Escherichia coli K99 fimbrial adhesin. Smit H, et al. **Infect Immun** 1984 Nov;46(2):578–84

Role of anti-pilus antibodies in host defense against gonococcal infection studied with monoclonal anti-pilus antibodies. Virji M, et al. **Infect Immun** 1985 Sep; 49(3):621–8

Role of bacterial adherence and toxin production from Escherichia coli on leukotriene generation from human polymorphonuclear granulocytes. König W, et al. **Int Arch Allergy Appl Immunol** 1985;77(1–2):118–20

Preparation and properties of Vibrio cholerae antifimbrial antibody. Al-Kaissi E, et al. **J Appl Bacteriol** 1985 Feb; 58(2):221-9

Major antigenic determinants of F and ColB2 pili. Finlay BB, et al. **J Bacteriol** 1985 Jul;163(1):331–5

Antigen-antibody interaction. The immunodominant region of EDP208 pili. Worobec EA, et al. **J Biol Chem** 1985 Jan 25;260(2):938–43

Gal-Gal pyelonephritis Escherichia coli pili linear immunogenic and antigenic epitopes. Schmidt MA, et al. **J Exp Med** 1985 Apr 1;161(4):705–17

Immunocytochemical labelling of Bacteroides nodosus pili using an immunogold technique. Beesley JE, et al. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1481–7

Application of the peroxidase-antiperoxidase technique for the detection of enterotoxigenic Escherichia coli K99 pilus antigen in paraffin-embedded tissues. Rogers DG. **J Histochem Cytochem** 1985 Aug;33(8):762–6

Fimbrial and non-fimbrial haemagglutinins in Enterobacter aerogenes. Adegbola RA, et al. **J Med Microbiol** 1985 Feb; 19(1):35–43

Antigenic relationships among type-3 fimbriae of Enterobacteriaceae revealed by immunoelectronmicroscopy. Old DC, et al. **J Med Microbiol** 1985 Aug;20(1):113–21

Relationships among broad-spectrum and narrow-spectrum mannose-resistant fimbrial hemagglutinins in different Yersinia species. Old DC, et al. **Microbiol Immunol** 1984; 28(12):1303–11

Intragenic recombination leads to pilus antigenic variation in Neisseria gonorrhoeae. Hagblom P, et al. **Nature** 1985 May 9–15;315(6015):156–8

Antigenic variation in gonococcal pili explained [news] Saunders JR. **Nature** 1985 May 9–15;315(6015):100–1

The effect of monoclonal antibodies against Escherichia coli type 1 pili and capsular polysaccharides on the interaction between bacteria and human granulocytes. Söderström T, et al. **Scand J Immunol** 1984 Oct;20(4):299–305

Pilus vaccines. Tramont EC, et al. **Vaccine** 1985 Mar; 3(1):3–10 (46 ref.)

Fimbrial antigens of Escherichia coli 01:K1:H7 and 01:K1:H- strains isolated from patients with urinary tract infections. Nimmich W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Oct; 258(1):104–11

[Anti-K99 vaccination and colostric protection of calves infected experimentally with Escherichia coli K99] Contrepois M, et al. **Ann Rech Vet** 1985;16(1):41–6 (Eng. Abstr.) **(Fre)**

[ELISA for the detection of K99 fimbrial antigen of enterotoxic E. coli in feces] Schneider E, et al. **Schweiz Arch Tierheilkd** 1984 Dec;126(12):607–20 (Eng. Abstr.) **(Ger)**

METABOLISM

Indications that the erythrocyte receptor involved in enterotoxigenic Escherichia coli attachment is a sialoglycoconjugate. Bartus H, et al. **J Clin Microbiol** 1985 Jun;21(6):951–4

PHYSIOLOGY

Adhesion of Corynebacterium pilosum by pili to epithelial cells of bovine vulva. Hayashi A, et al. **Am J Vet Res** 1985 Feb;46(2):412–5

Pseudomonas pili. Studies on antigenic determinants and mammalian cell receptors. Paranchych W, et al. **Antibiot Chemother** 1985;36:49–57

Genes and gene products involved in the synthesis of F-pili. Laine S, et al. **Basic Life Sci** 1985;30:535–53

Role of chromosomal rearrangement in N. gonorrhoeae pilus phase variation. Segal E, et al. **Cell** 1985 Feb;40(2):293–300

Environmental temperature regulates transcription of a virulence pili operon in E. coli. Göransson M, et al. **EMBO J** 1984 Dec 1;3(12):2885–8

Enhanced nasopharyngeal colonization of rats by piliated Haemophilus influenzae type b. Anderson PW, et al. **Infect Immun** 1985 May;48(2):565–8

Lectin-dependent attachment of Actinomyces naeslundii to receptors on epithelial cells. Brennan MJ, et al. **Infect Immun** 1984 Nov;46(2):459–64

Purification and characterization of a receptor for the 987P pilus of Escherichia coli. Dean EA, et al. **Infect Immun** 1985 Jan;47(1):98–105

Role of Escherichia coli type 1 pilus in colonization of porcine ileum and its protective nature as a vaccine antigen in controlling colibacillosis. Jayappa HG, et al. **Infect Immun** 1985 May;48(2):350–4

Variable adherence of fimbriated Haemophilus influenzae type b to human cells. Sable NS, et al. **Infect Immun** 1985 Apr;48(1):119–23

Functional heterogeneity of intestinal Escherichia coli strains expressing type 1 somatic pili (fimbriae): assessment of bacterial adherence to intestinal membranes and surface hydrophobicity. Sherman PM, et al. **Infect Immun** 1985 Sep;49(3):797–804

Effect of piliation on interactions of Haemophilus influenzae type b with human polymorphonuclear leukocytes. Tosi MF, et al. **Infect Immun** 1985 Mar;47(3):780–5

Production of fimbrial adhesins K99 and F41 by enterotoxigenic Escherichia coli as a function of growth-rate domain. van Verseveld HW, et al. **Infect Immun** 1985 Jul;49(1):159–63

P-fimbriae studies on the diagnosis and prevention of acute pyelonephritis. Källenius G, et al. **Infection** 1985 May–Jun; 13(3):159–62

Kinetic analysis of the synthesis and assembly of type 1 fimbriae of Escherichia coli. Dodd DC, et al. **J Bacteriol** 1984 Oct;160(1):227–32

Identification and characterization of a gene product that regulates type 1 piliation in Escherichia coli. Orndorff PE, et al. **J Bacteriol** 1984 Oct;160(1):61–6

Molecular basis of Escherichia coli colonization of the upper urinary tract in BALB/c mice. Gal-Gal pili immunization prevents Escherichia coli pyelonephritis in the BALB/c mouse model of human pyelonephritis. O'Hanley P, et al. **J Clin Invest** 1985 Feb;75(2):347–60

Phage pilH alpha: a phage which adsorbs to IncHI and IncHII plasmid-coded pili. Coetzee JN, et al. **J Gen Microbiol** 1985 May;131 (Pt 5):1115–21

On the role of pili in transformation of Neisseria gonorrhoeae. Mathis LS, et al. **J Gen Microbiol** 1984 Dec;130 (Pt 12):3165–73

P fimbriated Escherichia coli in adults with acute pyelonephritis [letter] Jacobsen SH, et al. **J Infect Dis** 1985 Aug;152(2):426–7

Pathogenic significance of P-fimbriated Escherichia coli in urinary tract infections. Domingue GJ, et al. **J Urol** 1985 Jun;133(6):983–9

Bacterial adherence. Old DC. **Med Lab Sci** 1985 Jan; 42(1):78–85 (71 ref.)

The fim genes responsible for synthesis of type 1 fimbriae in Escherichia coli, cloning and genetic organization. Klemm P, et al. **MGG** 1985;199(3):410–4

Complementation and regulatory interaction between two cloned fimbrial gene clusters of Escherichia coli strain KS71. Rhen M, et al. **MGG** 1985;200(1):60–4

Fimbriae and hemagglutination in the Bacteroides fragilis group. Shinjo T, et al. **Nippon Juigaku Zasshi** 1984 Jun; 46(3):373–5

Pilus genes of Neisseria gonorrheae: chromosomal organization and DNA sequence. Meyer TF, et al. **Proc Natl Acad Sci USA** 1984 Oct;81(19):6110–4

Adhesion to human cells by Escherichia coli lacking the major subunit of a digalactoside-specific pilus-adhesin. Uhlin BE, et al. **Proc Natl Acad Sci USA** 1985 Mar; 82(6):1800–4

Fimbrial adhesions of Escherichia coli. Klemm P. **Rev Infect Dis** 1985 May-Jun;7(3):321–40 (132 ref.)

[The significance of bacterial pili in urinary tract infection. I. Pathogenicity of E. coli pili in urinary tract infection] Hirose T, et al. **Nippon Hinyokika Gakkai Zasshi** 1984 Jul; 75(7):1074–83 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Demonstration by electron microscopy of pili on Gardnerella vaginalis. Johnson AP, et al. **Br J Vener Dis** 1984 Dec; 60(6):396–7

Fimbriation in relation to hydrophobicity of bacteria in urinary tract infections [letter] Ljungh A, et al. **Eur J Clin Microbiol** 1984 Dec;3(6):568–70

Purification and characterization of Serratia marcescens US5 pili. Kohno K, et al. **Infect Immun** 1984 Nov;46(2):295–300

Cloning and expression in Escherichia coli of the gene encoding the structural subunit of Bacteroides nodosus fimbriae. Anderson BJ, et al. **J Bacteriol** 1984 Nov;160(2):748-54

Dependence of secretion and assembly of type 1 fimbrial subunits of Escherichia coli on normal protein export. Dodd DC, et al. **J Bacteriol** 1984 Sep;159(3):1077-9

Isolation and characterization of Bacteroides nodosus fimbriae: structural subunit and basal protein antigens. Mattick JS, et al. **J Bacteriol** 1984 Nov;160(2):740-7

Immunofluorescence study of fimbrial phase variation in Escherichia coli KS71. Nowicki B, et al. **J Bacteriol** 1984 Nov;160(2):691-5

Fimbriae from the oral anaerobe Bacteroides gingivalis: physical, chemical, and immunological properties. Yoshimura F, et al. **J Bacteriol** 1985 Aug;163(2):730-4

Purification and characterization of a novel type of fimbriae from the oral anaerobe Bacteroides gingivalis. Yoshimura F, et al. **J Bacteriol** 1984 Dec;160(3):949-57

Pili of Neisseria meningitidis. Analysis of structure and investigation of structural and antigenic relationships to gonococcal pili. Stephens DS, et al. **J Exp Med** 1985 Jun 1;161(6):1539-53

Pilus- gonococcal variants. Evidence for multiple forms of piliation control. Swanson J, et al. **J Exp Med** 1985 Aug 1;162(2):729-44

Characteristics and function of thick and thin conjugative pili determined by transfer-derepressed plasmids of incompatibility groups I1, I2, I5, B, K and Z. Bradley DE. **J Gen Microbiol** 1984 Jun;130 (Pt 6):1489-502

Isolates of Neisseria meningitidis from different sites in the same patient: phenotypic and genomic studies, with special reference to adherence, piliation, and DNA restriction endonuclease pattern. Kristiansen BE, et al. **J Infect Dis** 1984 Sep;150(3):389-96

[Frequency of FY and K99 pili in strains of Escherichia coli isolated from diarrheal calves in France] Contrepois M, et al. **Ann Rech Vet** 1985;16(1):25-8 (Eng. Abstr.) **(Fre)**

[Adhesion pili in Yersinia pestis] Vodop'ianov SO, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1985 Jun;(6):13-7 (Eng. Abstr.) **(Rus)**

[P-fimbriae receptor interaction. New discoveries in pyelonephritis and urinary sepsis] Källenius G, et al. **Lakartidningen** 1985 Apr 10;82(15):1349-52 **(Swe)**

PILOCARPINE

ADMINISTRATION & DOSAGE

Oral and topical adrenergic beta-receptor blockers in glaucoma treatment. A multicenter study. Ohrström A, et al. **Acta Ophthalmol (Copenh)** 1984 Oct;62(5):681-95

A dose-response study of piloplex for duration of action. Klein HZ, et al. **Am J Ophthalmol** 1985 Jan 15;99(1):23-6

Use of pilocarpine intraocularly [letter] Girard LJ. **J Am Intraocul Implant Soc** 1985 Jul;11(4):390

Pilocarpic acid esters as novel sequentially labile pilocarpine prodrugs for improved ocular delivery. Bundgaard H, et al. **J Med Chem** 1985 Aug;28(8):979-81

New glaucoma treatments. March WF, et al. **J Okla State Med Assoc** 1984 Aug;77(8):287-90

The treatment of acute attack of primary angle-closure glaucoma by pilocarpine ocusert system. Shimizu Y. **Nippon Ika Daigaku Zasshi** 1984 Oct;51(5):638-9

Retinal detachment during glaucoma therapy. Review. A case report of an occurrence of retinal detachment after using membranous pilocarpine delivery system [Pilokarpin lameller (Ocusert) 11 mg]. Puustjärvi T. **Ophthalmologica** 1985;190(1):40-4

[Treatment of Horton's headache with small doses of pilocarpine and carbamazepine] Goncikowska M. **Wiad Lek** 1984 Jul 15;37(14):1093-5 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

Separation and analysis of pilocarpine, isopilocarpine, and pilocarpic acid by reverse phase liquid chromatography: collaborative study. Van Ackeren JL, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):924-6

ANALYSIS

Separation and analysis of pilocarpine, isopilocarpine, and pilocarpic acid by reverse phase liquid chromatography: collaborative study. Van Ackeren JL, et al. **J Assoc Off Anal Chem** 1984 Sep-Oct;67(5):924-6

High-performance liquid chromatographic assay for pilocarpine in aqueous humor. Rendi MA, et al. **J Chromatogr** 1984 Dec 12;336(2):337-44

Effect of sterilization by autoclaving on the stability of eye drops of pilocarpine hydrochloride and physostigmine sulphate. Mair AE, et al. **J Clin Hosp Pharm** 1984 Sep;9(3):217-24

[The application of computer to volumetric analysis of drugs: the assay of weakly acidic water-soluble drugs] Luo GA, et al. **Yao Hsueh Hsueh Pao** 1985 Feb;20(2):146-50 (Eng. Abstr.) **(Chi)**

[The stability of pilocarpine hydrochloride in eyedrops] Porst H, et al. **Pharmazie** 1985 Jan;40(1):23-9 (Eng. Abstr.) **(Ger)**

[Determination of ethylmorphine chloride, pilocarpine chloride and tetracaine chloride in drops and ointments for the eye] Banović V, et al. **Vojnosanit Pregl** 1985 May-Jun;42(3):202-5 (Eng. Abstr.) **(Scr)**

DIAGNOSTIC USE

Value of pilocarpine test in early diagnosis of leprosy. Chattopadhyay SP, et al. **Ind J Lepr** 1984 Oct-Dec;56(4):877-83

Anisocoria from scopolamine patches [letter] **JAMA** 1985 Oct 4;254(13):1720-1

ISOLATION & PURIFICATION

Effect of pH on charcoal adsorption of lidocaine, methadone, pilocarpine, and procaine. Judis J. **J Pharm Sci** 1985 Apr;74(4):476-7

PHARMACODYNAMICS

Effects of atropine, pilocarpine and morphine on footshock-induced aggressive behaviour in rats after lesion of hippocampal pyramidal cells with kainic acid. Milart P, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1982;37:35-43

Characteristics of yawning behavior induced by apomorphine, physostigmine and pilocarpine. Ushijima I, et al. **Arch Int Pharmacodyn Ther** 1985 Feb;273(2):196-201

Modification of apomorphine-, physostigmine- and pilocarpine-induced yawning after long-term treatment with neuroleptic or cholinergic agents. Ushijima I, et al. **Arch Int Pharmacodyn Ther** 1984 Oct;271(2):180-8

Alteration of acetylcholine synthesis by pilocarpine. In vivo and in vitro studies. Mindel JS, et al. **Arch Ophthalmol** 1984 Oct;102(10):1546-9

Pilocarpine and acetylcholine synthesis [letter] Urtti AO, et al. **Arch Ophthalmol** 1985 Apr;103(4):477

Comparison of the effects of chronic administration of ciclazindol and desipramine on pupillary responses to tyramine, methoxamine and pilocarpine in healthy volunteers. Kerr FA, et al. **Br J Clin Pharmacol** 1985 May;19(5):639-47

The determination of presynaptic KA values of methacholine and pilocarpine and of a presynaptic receptor reserve in the rat perfused heart. Fuchs P, et al. **Br J Pharmacol** 1985 Jan;84(1):35-46

Controlled release of pilocarpine hydrochloride from ethylene-vinyl alcohol copolymer matrices. Hou WM, et al. **Chem Pharm Bull (Tokyo)** 1985 Mar;33(3):1242-8

Blood flow in aphakic rabbit eyes after sub-chronic glaucoma drug treatment. Green K, et al. **Curr Eye Res** 1985 Jun;4(6):667-70

pH of mucus in rabbit trachea: cholinergic stimulation and block. Gatto LA. **Lung** 1985;163(2):109-15

Effects of morphine and naloxone on pilocarpine-induced convulsions in rats. Turski L, et al. **Neuropeptides** 1985 Feb;5(4-6):315-8

Effect of pilocarpine in ocular hypotension. Korczyn AD, et al. **Ophthalmic Res** 1985;17(2):72-4

Glycoprotein secretion from mouse gallbladder principal cells after chronic variation in parasympathetic activity. A morphometric study after vagotomy and cholinergic superstimulation. Axelsson H, et al. **Scand J Gastroenterol** 1985 Aug;20(6):727-33

[Action of pilocarpine on the normal frog heart and in pathology] Alipov NN, et al. **Biull Eksp Biol Med** 1985 Feb;99(2):169-71 (Eng. Abstr.) **(Rus)**

[Differences in the cholinergic effects of eserine and pilocarpine on the uvea and retina of the bovine eye] Kováčik L, et al. **Bratisl Lek Listy** 1985 Jul;84(1):45-9 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

Progression of visual field defects in glaucoma. Relation to compliance with pilocarpine therapy. Granström PA. **Arch Ophthalmol** 1985 Apr;103(4):529-31

Prevention of intraocular pressure elevation following neodymium-YAG laser posterior capsulotomy. Richter CU, et al. **Arch Ophthalmol** 1985 Jul;103(7):912-5

Effect of pilocarpine in treatment of intraocular pressure elevation following neodymium: YAG laser posterior capsulotomy. Brown SV, et al. **Ophthalmology** 1985 Mar;92(3):354-9

The additional pressure-lowering effect in patients with glaucoma of pilocarpine 2 per cent, adrenaline 1 per cent, or guanethidine 3 per cent with adrenaline 0.5 per cent and timolol 0.25 per cent: a double-blind cross-over study. O'Connor MA, et al. **Trans Ophthalmol Soc UK** 1983;103 (Pt 6):588-92

[Drug therapy of chronic glaucoma with pilocarpine gel] Krieglstein GK, et al. **Klin Monatsbl Augenheilkd** 1984 Dec;185(6):509-14 (Eng. Abstr.) **(Ger)**

[Treatment of xerostomia with pilocarpine. Based on 15 years' experience and treatment of 500 patients] Szabó G. **Fogorv Sz** 1985 Mar;78(3):65-9 (Eng. Abstr.) **(Hun)**

TOXICITY

Seizures produced by pilocarpine in mice: a behavioral, electroencephalographic and morphological analysis. Turski WA, et al. **Brain Res** 1984 Nov 12;321(2):237-53

The chronically pilocarpine-treated rat in the study of cystic fibrosis: investigations on submandibular gland and pancreas. Müller RM, et al. **Exp Mol Pathol** 1985 Aug;43(1):97-106

PILOERECTION see under **REFLEX**

PILONIDAL CYST

COMPLICATIONS

Anaerobic meningitis in an infant associated with pilonidal cyst abscess. Brook I. **Clin Neurol Neurosurg** 1985;87(2):131-2

DIAGNOSIS

[Pilonidal sinus] Klug W, et al. **Z Arztl Fortbild (Jena)** 1984;78(17):711-4 **(Ger)**

ETIOLOGY

Source of hair in a pilonidal sinus. Shaffner LD. **NC Med J** 1984 Nov;45(11):735-6

OCCURRENCE

[Pilonidal disease in Japan; report of 4 cases and a review of the literature] Hori T, et al. **Nippon Geka Hokan** 1984 Mar 1;53(2):437-46 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Squamous carcinoma arising in a pilonidal sinus. Lineaweaver WC, et al. **J Surg Oncol** 1984 Dec;27(4):239-42

SURGERY

Outpatient excision and primary closure of pilonidal cysts and sinuses. Long-term follow-up. Zimmerman CE. **Am J Surg** 1984 Nov;148(5):658-9

Chronic pilonidal disease: a randomized trial with a complete 3-year follow-up. Kronborg O, et al. **Br J Surg** 1985 Apr;72(4):303-4

Pilonidal sinus excision--healing by open granulation. Marks J, et al. **Br J Surg** 1985 Aug;7(8):637-40

The evolution of management of pilonidal sinus disease. Hurst DW. **Can J Surg** 1984 Nov;27(6):603-5 (15 ref.)

Excision of pilonidal sinus as an office procedure. Mueller CB. **Can J Surg** 1984 Nov;27(6):526

Symposium on outpatient anorectal procedures. Pilonidal disease. Salvati EP. **Can J Surg** 1985 May;28(3):225-6

Is Z-plasty closure reasonable in pilonidal disease? Morrison PD. **Ir J Med Sci** 1985 Mar;154(3):110-2

Pilonidal cyst: wide excision and primary closure with an advancement flap. Trooskin SZ. **J Med Soc NJ** 1985 May;82(5):367-70

[The technic of phenolization of fistulae in pilonidal cysts] Knobloch J. **Rozhl Chir** 1985 May;64(5):368-9 (Eng. Abstr.) **(Cze)**

[Silastic foam dressing compared with mèche-treatment in open management following excision of a pilonidal cyst] Eldrup J. **Ugeskr Laeger** 1985 Jan 28;147(5):408-9 (Eng. Abstr.) **(Dan)**

[Treatment of pilonidal sinus by radical excision and primary closure. Our experience] Cianci F, et al. **Minerva Chir** 1984 Aug 15-31;39(15-16):1111-5 (Eng. Abstr.) **(Ita)**

[Evaluation of the results of different types of surgical intervention for pilonidal fistula] Sturniolo G, et al. **Minerva Chir** 1984 Sep 15;39(17):1161-4 (Eng. Abstr.) **(Ita)**

[Combined surgical and medical treatment of pilonidal cysts and fistulae as prevention of recurrence] Iavarone C, et al. **Minerva Med** 1984 Nov 17;75(44):2687-90 (Eng. Abstr.) **(Ita)**

[Surgical treatment of epithelial pilonidal cysts] Mal'tsev VN, et al. **Klin Khir** 1985 Feb;(2):38-40 (Eng. Abstr.) **(Rus)**

[Treatment of pilonidal disease using plastic-reconstructive surgery methods] Miljković I. **Vojnosanit Pregl** 1984 May-Jun;41(3):179-83 (Eng. Abstr.) **(Scr)**

PILONIDAL SINUS see **PILONIDAL CYST**

PIMARICIN

ADMINISTRATION & DOSAGE

Successful treatment of fungal keratitis caused by Paecilomyces lilacinus. Minogue MJ, et al. **Am J Ophthalmol** 1984 Nov;98(5):626-7

[Dose-related effects of the polyene antifungal drug natamycin in a galenic form of newly developed suppository in vaginal yeast infections] Wiedey KD, et al. **Mykosen** 1984 Aug;27(8):415-20 (Eng. Abstr.) **(Ger)**

ANALYSIS

[The spectrophotometric determination of natamycin in cheese] Riedl R, et al. **Z Lebensm Unters Forsch** 1984 Nov;179(5):394-8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

[Sensitivity of Candida strains to selected antifungal antibiotics] Jurek M, et al. **Pol Tyg Lek** 1984 Sep 17;39(38):1269-71 (Eng. Abstr.) **(Pol)**

[In vitro evaluation of natamycin sensitivity of Candida and Torulopsis glabrata strains isolated from the genital tract] Merkel M, et al. **Pol Tyg Lek** 1985 Mar 4;40(9):257-8 (Eng. Abstr.) **(Pol)**

[Effect of tinidazole, pimaricin and oxyteracine on Balantidium coli (M) in vitro] Skotarczak B. **Wiad Parazytol** 1984;30(4):453-7 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

[Comparative treatment trials in enzootic cattle trichophytosis using Mycophyt-Grüntex and a new antimycotic preparation (Bay-Ve 7294)] Schulz W. **DTW** 1984 Oct 8;91(10):364-6 (Eng. Abstr.) (Ger)

[Effect of antimycotic therapy of denture stomatitis on the bacterial flora of the oral cavity] Spiechowicz E, et al. **Zahn Mund Kieferheilkd** 1984;72(7):668-72 (Eng. Abstr.) (Ger)

PIMELIC ACIDS

CHEMICAL SYNTHESIS

Use of isotachophoresis to monitor the synthesis and purification of L-alpha-amino-epsilon-ketopimelate. Blanche F, et al. **J Chromatogr** 1985 Apr 26;323(2):451-5

METABOLISM

Identification of methyl-branched chain dicarboxylic acids in amniotic fluid and urine in propionic and methylmalonic acidemia. Jakobs C, et al. **Pediatr Res** 1984 Nov; 18(11):1185-91

PIMOZIDE

ADMINISTRATION & DOSAGE

The treatment of severe dystonia in children and adults. Marsden CD, et al. **J Neurol Neurosurg Psychiatry** 1984 Nov;47(11):1166-73

ADVERSE EFFECTS

Tourette syndrome, pimozide, and school phobia: the neuroleptic separation anxiety syndrome. Linet LS. **Am J Psychiatry** 1985 May;142(5):613-5

PHARMACODYNAMICS

Effects of pimozide and penfluridol on the binding and endocytosis of alpha 2-macroglobulin-CH3NH2 by mouse peritoneal macrophages. Key KA, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3712-4

Comparative study of the effects of lisuride and pimozide on the preovulatory surge of FSH, LH and prolactin in rat. Kun I, et al. **Endocrinologie** 1984 Jul-Sep;22(3):177-82

Synthesis and release of luteinizing hormone in vitro by rat anterior pituitary cells: effects of gallopamil hydrochloride (D600) and pimozide. Liu TC, et al. **Endocrinology** 1985 Oct;117(4):1608-14

Pimozide modulates the luteinizing hormone-releasing hormone effect on gonadotrophin release in the African catfish, Clarias lazera. de Leeuw R, et al. **Gen Comp Endocrinol** 1985 Apr;58(1):120-7

Seasonal effects of pimozide and des Gly10 [D-Ala6] LH-RH ethylamide on gonadotrophin secretion in goldfish. Sokolowska M, et al. **Gen Comp Endocrinol** 1985 Mar;57(3):472-9

Differential effects of pimozide on response-rate and choice accuracy in a self-stimulation paradigm in mice. Bowers W, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):521-6

Pimozide decreases the positive reinforcing effect of sham fed sucrose in the rat. Geary N, et al. **Pharmacol Biochem Behav** 1985 May;22(5):787-90

Some effects of pimozide on nondeprived rats licking sucrose solutions in an anhedonia paradigm. Gramling SE, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):617-24

The effect of pimozide on variable-interval performance: a test of the 'anhedonia' hypothesis of the mode of action of neuroleptics. Morley MJ, et al. **Psychopharmacology (Berlin)** 1984;84(4):531-6

Pimozide attenuates free feeding: best scores analysis reveals a motivational deficit. Wise RA, et al. **Psychopharmacology (Berlin)** 1984;84(4):446-51

Effects of pimozide and domperidone administration on prolactin levels in neonatally estrogenized female rats. Aguilar E, et al. **Rev Esp Fisiol** 1985 Jun;41(2):183-6

Effect of dopamine and dopamine-receptor blockade on in vitro renin release, tissue renin content and tissue cyclic AMP content in the rat. López GA, et al. **Rev Esp Fisiol** 1985 Mar;41(1):95-100

[The antiataxic mechanism of TRH in rolling mouse Nagoya: the effects of pretreatment with dopaminergic and cholinergic drugs] Matsui K, et al. **Jikken Dobutsu** 1984 Oct;33(4):465-9 (Eng. Abstr.) (Jpn)

[Effect of haloperidol and pimozide on the cardiac action of dopamine in the isolated auricle] Laorden ML, et al. **Arch Farmacol Toxicol** 1984 Aug;10(2):107-14 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

Delusions of infestation treated with pimozide: a follow-up study. Lindskov R, et al. **Acta Derm Venereol (Stockh)** 1985; 65(3):267-70

Long-acting therapy of schizophrenia. Rapisarda V, et al. **Adv Biochem Psychopharmacol** 1985;40:25-8

Pimozide treatment in disruptive severely retarded patients. White TJ, et al. **Aust NZ J Psychiatry** 1985 Mar;19(1):92-4

Excellent response of pathologic jealousy to pimozide [letter] Munro A. **Can Med Assoc J** 1984 Oct 15;131(8):852-3

Pimozide: use in Tourette's syndrome. Colvin CL, et al. **Drug Intell Clin Pharm** 1985 Jun;19(6):421-4 (22 ref.)

Pimozide approved for Tourette's syndrome. **FDA Drug Bull** 1984 Dec;14(3):24-5

Pimozide. **J Indian Med Assoc** 1984 Nov;82(11):422-3

Successful treatment of refractory Sydenham's chorea with pimozide [letter] Harries-Jones R, et al. **J Neurol Neurosurg Psychiatry** 1985 Apr;48(4):390

The relationship of dopamine receptor blockade to clinical response in schizophrenic patients treated with pimozide or haloperidol. Silverstone T, et al. **J Psychiatr Res** 1984; 18(3):255-68

Comparison of chlorpromazine, haloperidol and pimozide in the treatment of phencyclidine psychosis: DA-2 receptor specificity. Giannini AJ, et al. **J Toxicol Clin Toxicol** 1984-85;22(6):573-9

Pimozide for Tourette's disorder. **Med Lett Drugs Ther** 1985 Jan 4;27(678):3-4

Behavior therapy, pimozide treatment and prolactin secretion in anorexia nervosa. Weizman A, et al. **Psychother Psychosom** 1985;43(3):136-40

Oro-facial dyskinesia treatment with the neuroleptic pimozide (Orap). Siegmund R, et al. **Ther Hung** 1982; 30(2):97-8

PINDOLOL

ADMINISTRATION & DOSAGE

Transient corneal anaesthesia after topical pindolol in rabbits. Huupponen R, et al. **Acta Ophthalmol (Copenh)** 1985 Feb; 63(1):19-22

Evaluation of pindolol dosage in hypertension by automatic indirect BP monitoring. Sheps SG, et al. **Arch Intern Med** 1985 Jan;145(1):54-7

Effect of a combination of pindolol and isosorbide dinitrate on ischemic ST-segment depression and exercise ability in angina pectoris. Dorow P, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Aug;22(8):419-22

A dose-finding study of the combination of pindolol, clopamide and endralazine in the treatment of moderate-to-severe hypertension. Seedat YK, et al. **S Afr Med J** 1984 Nov 3;66(18):682-4

[Treatment of arterial hypertension with a combination of pindolol and clopamide in long-term use (personal experience)] Sivački J, et al. **Lijec Vjesn** 1984 Nov-Dec; 106(11-12):509-12 (Eng. Abstr.) (Scr)

ANALOGS & DERIVATIVES

A comparison of the binding characteristics of the beta-adrenoceptor antagonists 3H-dihydroalprenolol and 125I-iodocyanopindolol in rat liver. Sandnes D, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Oct;55(4):287-96

Identical binding properties of (+/-)- and (-)-125Iodocyanopindolol to beta 2-adrenoceptors in intact human lymphocytes. O'Hara N, et al. **Arch Int Pharmacodyn Ther** 1984 Nov;272(1):24-39

Pharmacological experiments in healthy volunteers with bopindolol, a long-acting beta-adrenoceptor blocking drug with partial agonist activity. Aellig WH. **Br J Clin Pharmacol** 1985 Jun;19(6):775-81

N-Bromoacetyl-amino-cyanopindolol: a highly potent beta-adrenergic affinity label blocks irreversibly a non-protein component tightly associated with the receptor. Chorev M, et al. **Eur J Biochem** 1985 Jan 2; 146(1):9-14

Interindividual variation of beta-adrenoceptor blocking drugs, plasma concentration and effect: influence of genetic status on behaviour of atenolol, bopindolol and metoprolol. Dayer P, et al. **Eur J Clin Pharmacol** 1985;28(2):149-53

Pharmacokinetics of mepindolol in patients with chronic renal failure. Krause W, et al. **Eur J Clin Pharmacol** 1984; 27(4):429-33

Double-blind comparison of once-daily bopindolol, pindolol and atenolol in essential hypertension. Schiess W, et al. **Eur J Clin Pharmacol** 1984;27(5):529-34

Iodohydroxybenzylpindolol binding to beta-adrenergic receptors of diabetic and control rat adipocytes' crude membrane. Madar Z. **Horm Metab Res** 1984 Dec;16 Suppl 1:59-62

Bopindolol, a new long-acting beta-adrenoceptor antagonist--a randomized comparison against propranolol in hypertensive patients. Kirch W, et al. **Int J Clin Pharmacol Res** 1983;3(2):89-93

Chronobiological approach to the treatment of essential hypertension: preliminary data. Lauro R, et al. **Int J Clin Pharmacol Ther Toxicol** 1984 Nov;22(11):630-6

Acute and chronic effects of the beta-receptor blocker mepindolol on hemodynamics and the portal circulation. Wink K. **Int J Clin Pharmacol Ther Toxicol** 1984 Aug; 22(8):477-50

Rapid agonist-induced decrease of 125I-pindolol binding to beta-adrenergic receptors. Relationship to desensitization of cyclic AMP accumulation in intact heart cells. Linden J, et al. **J Biol Chem** 1984 Dec 25;259(24):15115-22

Mepindolol reduces myocardial necrosis in rats with coronary artery occlusion. Chiariello M, et al. **J Cardiovasc Pharmacol** 1985 May-Jun;7(3):525-31

Beta adrenergic receptor repopulation of C6 glioma cells after irreversible blockade and down regulation. Homburger V, et al. **J Cell Physiol** 1984 Dec;121(3):589-97

Thermodynamic study of iodocyanopindolol beta-adrenoceptors interactions with rat lung and cerebral cortex. Morin D, et al. **J Recept Res** 1983-84;3(6):773-90

Turnover of adrenergic receptors under normal and desensitized conditions. Sladeczek F, et al. **J Recept Res** 1984;4(1-6):69-89

Irreversible blockade of beta-adrenergic receptors with a bromoacetyl derivative of pindolol. Homburger V, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):279-87

[Value of a blood pressure profile in evaluating 2 antihypertensive agents] Abetel G, et al. **Schweiz Med Wochenschr** 1984 Dec 1;114(48):1746-9 (Eng. Abstr.) (Fre)

[Mepindolol reduction of the degradation of phospholipids and the necrosis induced by myocardial ischemia] Ambrosio G, et al. **G Ital Cardiol** 1985 Feb;15(2):224-31 (Eng. Abstr.) (Ita)

BLOOD

Determination of pindolol in human plasma by high-performance liquid chromatography with amperometric detection. Diquet B, et al. **J Chromatogr** 1984 Nov 28;311(2):430-3

METABOLISM

The application of hepatocyte culture to the identification of pathways of drug metabolism: studies with pindolol and fluperlapine. Paine AJ, et al. **Biochem Pharmacol** 1984 Oct 1;33(19):3111-4

Study of the bioavailability of pindolol in malabsorption syndromes. Evard D, et al. **Br J Clin Pharmacol** 1984 Oct; 18(4):632-7

Autoradiographic quantitation of beta-adrenergic receptors on neural cells in primary cultures. I. Pharmacological studies of [125I] pindolol binding of individual astroglial cells. Burgess SK, et al. **Brain Res** 1985 May 27;335(1):1-9

Activated charcoal and syrup of ipecac in prevention of cimetidine and pindolol absorption in man after administration of metoclopramide as an antiemetic agent. Neuvonen PJ, et al. **J Toxicol Clin Toxicol** 1984; 22(2):103-14

[The kinetics of pindolol distribution in the rat] Barrigón S. **Arch Farmacol Toxicol** 1984 Aug;10(2):83-94 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

Effect of beta blockade and intrinsic sympathomimetic activity on exercise performance. Ades PA, et al. **Am J Cardiol** 1984 Dec 1;54(10):1337-41

Beta-adrenoceptor blocking agents and their effects on heart and blood vessels. Clark BJ. **Arq Bras Cardiol** 1984 Apr; 42(4):237-42

Pindolol decreases plasma angiotensin converting enzyme activity in young spontaneously hypertensive rats. Niwa M, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):1765-8

Effect of adrenaline on myocardial oxygen consumption during selective and non-selective beta-adrenoceptor blockade comparison of atenolol and pindolol. Ihlen H, et al. **Eur J Clin Pharmacol** 1984;27(1):29-34

Effect on heart rate over 24 hours of pindolol administered for 14 days. Kantelip JP, et al. **Eur J Clin Pharmacol** 1984; 27(5):535-8

The sympathomimetic activity of (+/-)-pindolol at beta 1- and beta 2-adrenoceptor sites. Mian MA, et al. **Eur J Pharmacol** 1985 Feb 12;109(1):65-71

Pindolol decreases plasma angiotensin-converting enzyme activity in young spontaneously hypertensive rats. Niwa M, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):133-6

Uteroplacental blood flow in pregnancy hypertension after the administration of a beta-adrenoceptor blocker, pindolol. Lunell NO, et al. **Gynecol Obstet Invest** 1984; 18(5):269-74

Acute vasodilator action of pindolol in humans. Chang PC, et al. **Hypertension** 1985 Jan-Feb;7(1):146-50

Stimulant and blocking effects of optical isomers of pindolol on the sinoatrial node and trachea of guinea pig. Role of beta-adrenoceptor subtypes in the dissociation between blockade and stimulation. Walter M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(2):159-75

A possible role of antihypertensive polar renomedullary lipid (APRL) and prostaglandin E2 in the kidney in the antihypertensive action of pindolol. Matsudaira T, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jul;49(1):65-9

[Effect of the beta receptor blockader Visken on the weight of the parotid gland, salivary secretion rate and amylase activity in the rat] Zelles T, et al. **Fogorv Sz** 1984 Nov; 77(11):346-8 (Eng. Abstr.) (Hun)

THERAPEUTIC USE

Atenolol, nadolol, and pindolol in angina pectoris on effort: effect of pharmacokinetics. Kostis JB, et al. **Am Heart J** 1984 Oct;108(4 Pt 2):1131-6

Effect of partial agonist activity in beta blockers in severe angina pectoris: a double blind comparison of pindolol and atenolol. Quyyumi AA, et al. **Br Med J [Clin Res]** 1984 Oct 13;289(6450):951-3

Chronic effects of labetalol, pindolol, and propranolol on calf blood flow in intermittent claudication. Lepäntalo M. **Clin Pharmacol Ther** 1985 Jan;37(1):7-12

Decrease in beta-receptor density explaining the development of pindolol- and prenalterol-tolerance in orthostatic hypotension. Andersen EB, et al. **Dan Med Bull** 1985 Jun;32(3):194-6

A comparative study on the effects of pindolol and propranolol on systemic and cardiac haemodynamics in hypertensive patients. Velasco M, et al. **Int J Clin Pharmacol Res** 1983;3(2):95-100

[Clinical suitability of pindolol eyedrops in the treatment of chronic open-angle glaucoma] Dausch D, et al. **Klin Monatsbl Augenheilkd** 1984 Jun;184(6):539-42 (Eng. Abstr.) **(Ger)**

[Is pindolol suitable for the therapy of glaucoma? Evaluation of the dose-effect of various concentrations of pindolol eyedrops] Dausch D, et al. **Klin Monatsbl Augenheilkd** 1984 Jun;184(6):536-8 (Eng. Abstr.) **(Ger)**

[Is the use of beta receptor blockers in variously strong concentrations in the treatment of glaucoma sensible?] Görlich W. **Klin Monatsbl Augenheilkd** 1985 Feb; 186(2):131-5 (Eng. Abstr.) **(Ger)**

[Results of 1-year use of local pindolol in open-angle glaucoma] Stryz JR, et al. **Klin Monatsbl Augenheilkd** 1985 Jan;186(1):43-5 (Eng. Abstr.) **(Ger)**

[Effect of adrenergic beta receptor blockaders on blood viscosity after their short-term use in patients with arteriosclerosis] Turczyński B, et al. **Pol Tyg Lek** 1985 Apr 29;40(17):481-4 (Eng. Abstr.) **(Pol)**

[Evaluation of the therapeutic efficacy of a fixed combination of beta blockader and diuretic, in the treatment of systemic arterial hypertension. A multicenter study] Zilenovski AM, et al. **Arq Bras Cardiol** 1984 Jun;42(6):435-41 (Eng. Abstr.) **(Por)**

[Treatment of essential hypertension with Viskaldix] Gerc V, et al. **Lijec Vjesn** 1984 Nov-Dec;106(11-12):515-7 (Eng. Abstr.) **(Scr)**

[Study of the antihypertensive effect of the preparation VKB-105 (Viskaldix) in arterial hypertension] Ivančić R, et al. **Lijec Vjesn** 1984 Nov-Dec;106(11-12):520-2 (Eng. Abstr.) **(Scr)**

[Experience with Viskaldix] Jezeršek P. **Lijec Vjesn** 1984 Nov-Dec;106(11-12):518-20 (Eng. Abstr.) **(Scr)**

[Viskaldix in the treatment of arterial hypertension] Josipović V, et al. **Lijec Vjesn** 1984 Nov-Dec;106(11-12):523-5 (Eng. Abstr.) **(Scr)**

[Treatment of hypertension with a fixed combination of pindolol and clopamide (VKB-105)] Sekso M, et al. **Lijec Vjesn** 1984 Nov-Dec;106(11-12):512-4 (Eng. Abstr.) **(Scr)**

[Long-term study of a combination of pindolol and clopamide (Viskaldix Sandoz)] Török E, et al. **Lijec Vjesn** 1984 Nov-Dec;106(11-12):501-8 (Eng. Abstr.) **(Scr)**

PINEAL BODY

Sylvian aqueduct syndrome. Chronology of tumors in the pineal region in view of ocular movement. Sakata E, et al. **Auris Nasus Larynx** 1984;11(2):101-8

Pineal region tumors. Boyd MC, et al. **Can J Neurol Sci** 1985 Feb;12(1):35-8

Radiation therapy for pineal and suprasellar germ cell tumors. Rich TA, et al. **Cancer** 1985 Mar 1;55(5):932-40

Effect of pineal treatment on testicular biochemical parameters under basal conditions and after stimulation with HCG in the rat. Damian E, et al. **Endocrinologie** 1985 Jan-Mar;23(1):13-22

Melatonin-free pineal substance, an equilibrating hormone? Damian E. **Endocrinologie** 1985 Apr-Jun;23(2):91-6

Effect of melatonin-free pineal extract on cholesterol in basal and HCG treated rats. Damian E, et al. **Endocrinologie** 1984 Oct-Dec;22(4):245-51

Hemangiopericytic meningioma of the pineal region. Case report. Lesoin F, et al. **Eur Neurol** 1984;23(4):274-7

A unique case of neurosarcoidosis with pineal and suprasellar involvement: CT and pathological demonstration. Wall MJ, et al. **J Comput Assist Tomogr** 1985 Mar-Apr;9(2):381-3

The effect of ovine pineal compounds prepared under red or green light on the activity of male rat anterior pituitaries in vitro. Slama-Scemama A, et al. **J Neural Transm** 1985; 62(1-2):155-67

Chemotherapy trials in recurrent primary intracranial germ cell tumors. Allen JC, et al. **J Neurooncol** 1985;3(2):147-52

Trilateral retinoblastoma: ocular and pineal retinoblastomas. Johnson DL, et al. **J Neurosurg** 1985 Sep;63(3):367-70

Occlusion of the great vein of Galen associated with a huge meningioma in the pineal region. Case report. Sakaki S, et al. **J Neurosurg** 1984 Dec;61(6):1136-40

Diagnostic potential of melatonin analysis in pineal tumors [letter] Miles A, et al. **N Engl J Med** 1985 Aug 1; 313(5):329-30

Experience with pineal region tumours in childhood. Hoffman HJ, et al. **Neurol Res** 1984 Sep;6(3):107-12

Primary intracranial choriocarcinoma: a report of two cases and a review of the literature. Chan HS, et al. **Neurosurgery** 1984 Oct;15(4):540-5

Pineal tumours at Groote Schuur Hospital, 1976-1984. Levin CV, et al. **S Afr Med J** 1985 Jul 6;68(1):33-5

Disorder of the pineal gland associated with depression, peptic ulcers, and sexual dysfunction. Maurizi CP. **South Med J** 1984 Dec;77(12):1516-8 (39 ref.)

Pineal astrocytoma. Benjamin JC, et al. **Surg Neurol** 1985 Feb;23(2):139-42

Stereotaxic biopsy and radioactive implantation for interstitial therapy of tumors of the pineal region. Frank F, et al. **Surg Neurol** 1985 Mar;23(3):275-80

Suprasellar germinoma occurring two years after total removal of pineal teratoma. Nagasawa S, et al. **Surg Neurol** 1984 Nov;22(5):481-5

[Hematoma of the pineal region with favorable development] Delangre T, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec; 56(4-5):323-7 (Eng. Abstr.) **(Fre)**

[Tumor markers and endocrinologic aspects in intracranial germinoma] Andler W, et al. **Klin Padiatr** 1985 Jan-Feb; 197(1):58-60 (Eng. Abstr.) **(Ger)**

[Isodense epidermoid cyst in the pineal region. Case report] Yamanouchi Y, et al. **Neurol Med Chir (Tokyo)** 1985 Feb; 25(2):136-42 (Eng. Abstr.) **(Jpn)**

[Radiotherapy of pineal tumors and ectopic pinealomas] Shirato H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Feb 25;45(2):348-55 (Eng. Abstr.) **(Jpn)**

[Hematoma of the pineal region: a case report] Baba M, et al. **No Shinkei Geka** 1985 Mar;13(3):337-42 (Eng. Abstr.) **(Jpn)**

[Tumor of the pineal region in three brothers] Kido G, et al. **No Shinkei Geka** 1984 Jul;12(8):975-80 (Eng. Abstr.) **(Jpn)**

[Role of polypeptide factors of the hypothalamus and epiphysis in regulating the function of stem cell precursors of granulomonopoiesis] Filev LV, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):481-2 (Eng. Abstr.) **(Rus)**

ANALYSIS

Application of the dual-cell coulometric detector: a method for assaying monoamines and their metabolites. Achilli G, et al. **Anal Biochem** 1985 Jul;148(1):1-9

S-antigen immunoreactivity in retinal rods and cones and pineal photosensitive cells. Mirshahi M, et al. **Biol Cell** 1984;52(2):195-8

Chromophores in the extraretinal photoreceptor (pineal organ) of teleosts. Tabata M, et al. **Brain Res** 1985 Jul 8; 338(1):173-6

Cardiovascular effects of the hog pineal E5 peptide in rats. Haulica I, et al. **Clin Exp Hypertens [A]** 1984; 6(10-11):2091-6

Atypical synergistic alpha 1- and beta-adrenergic regulation of adenosine 3',5'-monophosphate and guanosine 3',5'-monophosphate in rat pinealocytes. Vanecek J, et al. **Endocrinology** 1985 Jun;116(6):2167-73

Electron diffraction of the metallic elements in the pineal organ of a freshwater fish, Mystus vittatus (Bloch.). Srivastava DK, et al. **Experientia** 1985 May 15;41(5):603-5

Analysis of melatonin, 5-methoxytryptophol and 5-methoxyindoleacetic acid in the pineal gland and retina of hamster by capillary column gas chromatography-mass spectrometry. Beck O, et al. **J Chromatogr** 1984 Nov 9; 311(1):1-8

Monitoring of circadian fluctuations of N-acetylserotonin in the rat pineal body by differential pulse voltammetry. Ikeda M, et al. **J Neural Transm** 1985;62(3-4):321-9

Selective inhibition of MAO-A but not MAO-B activity increases rat pineal melatonin. Oxenkrug GF, et al. **J Neural Transm** 1985;61(3-4):265-70

Immunocytochemistry of pineal astrocytes: species differences and functional implications. Zang X, et al. **J Neuropathol Exp Neurol** 1985 Sep;44(5):486-95

Inhibition of the chicken retinal UDP-GalNAc:GM3, N-acetylgalactosaminyl-transferase by blood serum and by pineal gland extracts. Quiroga S, et al. **J Neurosci Res** 1984; 12(2-3):269-76

Arginine vasotocin (AVT), an alleged hormone of the mammalian pineal gland. Nieuwenhuis JJ. **Life Sci** 1984 Oct 22;35(17):1713-24 (69 ref.)

Aging and diurnal rhythms of pineal serotonin, 5-hydroxyindoleacetic acid, norepinephrine, dopamine and serum melatonin in the male rat. Tang F, et al. **Neuroendocrinology** 1985 Feb;40(2):160-4

Comparison of pineal melatonin rhythms in young adult and old Djungarian hamsters (Phodopus sungorus) under long and short photoperiods. Hoffmann K, et al. **Neurosci Lett** 1985 May 1;56(1):39-43

Presence of immunoreactive neurophysins of a higher molecular weight in addition to the 10.000 form in the ovine pineal gland. Reinharz AC, et al. **Peptides (Fayetteville)** 1985 Mar-Apr;6(2):199-203

Lithium and melatonin in pigmented eye rats: effects of dose and time of day. Seggie J, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4-6):733-6

A simple method for the measurement of pineal melatonin with a high performance liquid chromatography--UV detection. Yamada K, et al. **Res Commun Chem Pathol Pharmacol** 1984 Nov;46(2):283-7

ANATOMY & HISTOLOGY

The pineal body of the dog. Ellsworth AF, et al. **Acta Anat (Basel)** 1985;122(4):197-200

Morphometric analysis of the pineal complex of the golden hamster over a 24-hour light:dark cycle: I. The superficial pineal in untreated and optically enucleated animals. Dombrowski TA, et al. **Am J Anat** 1984 Dec;171(4):359-68

Morphometric analysis of the pineal complex of the golden hamster over a 24-hour light:dark cycle: II. The deep pineal in untreated and optically enucleated animals. Dombrowski TA, et al. **Am J Anat** 1984 Dec;171(4):369-76

Functional morphology of the pineal gland in young chickens. Ohshima K, et al. **Anat Anz** 1984;156(5):407-18

Anatomical basis of the microsurgical approach to the pineal gland. Moreau JJ, et al. **Anat Clin** 1985;7(1):3-13

Day/night changes of pineal gland volume and pinealocyte nuclear size assessed over 10 consecutive days. Diehl BJ, et al. **J Neural Transm** 1984;60(1):19-29

Pineal gland size and serum melatonin levels in male rats are not correlated. Vollrath L, et al. **Neurosci Lett** 1984 Aug 24;49(1-2):25-8

The number and distribution of sympathetic neurons that innervate the rat pineal gland. Bowers CW, et al. **Neuroscience** 1984 Sep;13(1):87-96

[Morphologic evolution of the human pineal gland. II. Calcium concretions, pigment and nuclear polarization] Boya J, et al. **Arch Neurobiol (Madr)** 1984 Jul-Aug; 47(4):183-92 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Differential permeability of pineal capillaries to lanthanum ion in the rat (Rattus norvegicus), gerbil (Meriones unguiculatus) and golden hamster (Mesocricetus auratus). Hewing M, et al. **Cell Tissue Res** 1985;241(1):149-54

Vascular permeability (problem of the blood-brain barrier) in the pineal organ of the rainbow trout, Salmo gairdneri. Omura Y, et al. **Cell Tissue Res** 1985;239(3):599-610

CYTOLOGY

Formation of autophagosomes in the pinealocytes of the rat and mongolian gerbil (Meriones unguiculatus): a lysosome wrapping mechanism? Krstić R. **Cell Tissue Res** 1985; 241(3):677-81

Organ culture of the goldfish pineal body. An ultrastructural and biochemical study. McNulty JA. **Cell Tissue Res** 1984; 238(3):565-75

Glial cells in the pineal gland of mice and rats. A combined immunofluorescence and electron-microscopic study. Schachner M, et al. **Cell Tissue Res** 1984;237(2):245-52

Sensory cells of the 'rod-' and 'cone-type' in the pineal organ of Rana esculenta, as revealed by immunoreaction against opsin and by the presence of an oil (lipid) droplet. Vigh B, et al. **Cell Tissue Res** 1985;240(1):143-8

Lymphopineal tissue in the chicken. Olah I, et al. **Dev Comp Immunol** 1984 Fall;8(4):855-62

DRUG EFFECTS

Carbidopa effect on rat brain monoamine oxidase and pineal melatonin. McIntyre IM, et al. **Biol Psychiatry** 1985 Jul; 20(7):809-11

Alterations in components of the pineal melatonin synthetic pathway by acute insulin stress in the rat and Syrian hamster. Champney TH, et al. **Brain Res** 1985 Jul 8; 338(1):25-32

Effect of GABA and its antagonists, bicuculline and picrotoxin, on nerve cell discharges of the photosensory pineal organ of the frog, Rana esculenta. Meissl H, et al. **Brain Res** 1985 Apr 15;332(1):39-46

Rapid nocturnal increase in ovine pineal N-acetyltransferase activity and melatonin synthesis: effects of cycloheximide. Namboodiri MA, et al. **J Neurochem** 1985 Sep;45(3):832-5

Ovine pineal indoles: effects of L-tryptophan or L-5-hydroxytryptophan administration. Sugden D, et al. **J Neurochem** 1985 Mar;44(3):769-72

Phorbol esters mimic alpha-Adrenergic potentiation of serotonin N-acetyltransferase induction in the rat pineal. Zatz M. **J Neurochem** 1985 Aug;45(2):637-9

Effects of 6-methoxy-2-benzoxazolinone on the pineal melatonin generating system. Yuwiler A, et al. **J Pharmacol Exp Ther** 1985 Apr;233(1):45-50

Electrical responses of pineal cells to pineal indoles and putative transmitters in intact and blinded pigeons. Demaine C, et al. **Neuroendocrinology** 1984 Nov; 39(5):408-13

Effects of P-chlorophenylalanine on pineal and endocrine function in the rat. Niles LP, et al. **Pharmacol Res Commun** 1984 Sep;16(9):851-64

Effect of chronic antidepressant treatment in vivo on pineal gland adrenoceptor sensitivity in vitro. Bronstein DM, et al. **Proc West Pharmacol Soc** 1984;27:43-6

ENZYMOLOGY

Alpha-adrenergic potentiation of beta-adrenergic stimulation of rat pineal N-acetyltransferase. Studies using cirazoline and fluorine analogs of norepinephrine. Sugden D, et al. **Biochem Pharmacol** 1984 Dec 15;33(24):3947-50

Regulation of biogenic amine methyltransferases by glucocorticoids via S-adenosylmethionine and its metabolizing enzymes, methionine adenosyltransferase and S-adenosylhomocysteine hydrolase. Wong DL, et al. **Brain Res** 1985 Mar 25;330(2):209-16

Rat pineal N-acetyltransferase activity: stimulation, exhaustion, and recovery. White BH, et al. **Endocrinology** 1985 Sep;117(3):1050-6

Localization of hydroxyindole-O-methyltransferase in the mammalian pineal gland and retina. Wiechmann AF, et al. **Invest Ophthalmol Vis Sci** 1985 Mar;26(3):253-65

Circadian rhythm in pineal N-acetyltransferase activity: phase shifting by dark pulses (III). Binkley S, et al. **J Neurochem** 1985 Sep;45(3):875-8

Delta-sleep-inducing peptide and two of its analogs reduce nocturnal increase of N-acetyltransferase activity in rat pineal gland. Graf MV, et al. **J Neurochem** 1985 Feb; 44(2):629–32

Neonatal steroid treatment reduces catecholamine-induced increases in pineal serotonin N-acetyltransferase activity. Yuwiler A. **J Neurochem** 1985 Apr;44(4):1185–93

Differential effects of isoproterenol injections on the levels of pineal N-acetyltransferase, serum N-acetylserotonin and melatonin. Ho AK, et al. **Life Sci** 1985 Jun 3;36(22):2137–43

Magnetic field of the earth as additional zeitgeber for endogenous rhythms? Cremer-Bartels G, et al. **Naturwissenschaften** 1984 Nov;71(11):567–74

Relationship between pineal N-acetyltransferase activity, pineal melatonin and serum melatonin in rats under different lighting conditions. Ho AK, et al. **Neuroendocrinology** 1984 Nov;39(5):465–70

Does maximal serotonin N-acetyltransferase activity necessarily reflect maximal melatonin production in the rat pineal gland? King TS, et al. **Neurosci Lett** 1984 Aug 10; 48(3):343–7

Pharmacological characterization of the development of presynaptic mechanisms controlling pineal gland N-acetyl-transferase activity. Lytle LD, et al. **Proc West Pharmacol Soc** 1984;27:39–42

Alpha-adrenoceptors may act synergistically in the beta-adrenoceptor control of pineal gland N-acetyltransferase activity. Terry RL, et al. **Proc West Pharmacol Soc** 1984;27:47–50

12- and 15-lipoxygenases in rat pineal gland. Yoshimoto T, et al. **Prostaglandins** 1984 Aug;28(2):279–85

Rhodopsin kinase activity in the mammalian pineal gland and other tissues. Somers RL, et al. **Science** 1984 Oct 12; 226(4671):182–4

GROWTH & DEVELOPMENT

Postnatal development of 'synaptic' ribbons and spherules in the guinea pig pineal gland. Banks JC, et al. **Am J Anat** 1985 May;173(1):43–53

Development of the rat pineal alpha 1-adrenoceptor. Sugden D, et al. **Brain Res** 1985 Jan 28;325(1–2):345–8

Regressive post-hatching development of acetylcholinesterase-positive neurons in the pineal organs of Coturnix coturnix japonica and Gallus gallus. Sato T, et al. **Cell Tissue Res** 1984;237(2):269–75

Serotonin and opsin immunoreactivities in the developing pineal organ of the three-spined stickleback, Gasterosteus aculeatus L. van Veen T, et al. **Cell Tissue Res** 1984; 237(3):559–64

Melatonin in serum and the pineal of spontaneously hypertensive rats. Kawashima K, et al. **Clin Exp Hypertens [A]** 1984;6(8):1517–28

IMMUNOLOGY

Immunocytochemical demonstration of retinal S-antigen in the pineal organ of four mammalian species. Korf HW, et al. **Cell Tissue Res** 1985;239(1):81–5

S-antigen in the developing retina and pineal gland: a monoclonal antibody study. Donoso LA, et al. **Invest Ophthalmol Vis Sci** 1985 Apr;26(4):561–7

INNERVATION

Compensatory changes in contralateral sympathetic neurons of the superior cervical ganglion and in their terminals in the pineal gland following unilateral ganglionectomy. Dornay M, et al. **J Neurosci** 1985 Jun;5(6):1522–6

METABOLISM

Superior cervical ganglionectomy results in the loss of pineal concretions in the adult male gerbil (Meriones unguiculatus). Champney TH, et al. **Anat Rec** 1985 Apr; 211(4):465–8

Effect of superior cervical ganglionectomy on melatonin stimulation by specific MAO-A inhibition. McIntyre IM, et al. **Biochem Pharmacol** 1985 Sep 15;34(18):3393–4

Effect of anticonvulsant drugs in vitro on pineal gland indole metabolism in organ culture. Morton DJ. **Biochem Pharmacol** 1985 Sep 1;34(17):3198–201

Evidence for the involvement of the visual system in mediating magnetic field effects on pineal melatonin synthesis in the rat. Olcese J, et al. **Brain Res** 1985 May 6;333(2):382–4

The presence of vasoactive intestinal polypeptide (VIP)-like-immunoreactive nerve fibres and VIP-receptors in the pineal gland of the Mongolian gerbil (Meriones unguiculatus). An immunohistochemical and receptor-autoradiographic study. Møller M, et al. **Cell Tissue Res** 1985;241(2):333–40

Arrest of the circadian pacemaker driving the pineal melatonin rhythm in hibernating golden hamsters, Mesocricetus auratus. Vaněček J, et al. **Comp Biochem Physiol [A]** 1985;80(1):21–3

Serum melatonin and pineal indoleamine metabolism in a species with a small day/night N-acetyltransferase rhythm. Namboodiri MA, et al. **Comp Biochem Physiol [B]** 1985; 80(4):731–6

Non-suppressibility by room light of pineal N-acetyltransferase activity and melatonin levels in two diurnally active rodents, the Mexican ground squirrel (Spermophilus mexicanus) and the eastern chipmunk (Tamias striatus). Reiter RJ, et al. **Endocr Res** 1984; 10(2):113–21

Changes in photoperiod alter the daily rhythms of pineal melatonin content and hypothalamic beta-endorphin content and the luteinizing hormone response to naloxone in the male Syrian hamster. Roberts AC, et al. **Endocrinology** 1985 Jul;117(1):141–8

Ovine pineal alpha 1-adrenoceptors: characterization and evidence for a functional role in the regulation of serum melatonin. Sugden D, et al. **Endocrinology** 1985 May; 116(5):1960–7

Benzodiazepine binding sites in human pineal gland. Lowenstein PR, et al. **Eur J Pharmacol** 1984 Nov 13; 106(2):399–403

High density of [3H]Ro 5-4864 'peripheral' benzodiazepine binding sites in the pineal gland. Quirion R. **Eur J Pharmacol** 1984 Jul 20;102(3–4):559–60

The effect of castration, testosterone and estradiol on 14C-serotonin metabolism by organ cultures of male rat pineal glands. Daya S, et al. **Experientia** 1985 Feb 15; 41(2):275–6

Melatonin rhythms in the eyes, pineal bodies, and blood of Japanese quail (Coturnix coturnix japonica). Underwood H, et al. **Gen Comp Endocrinol** 1984 Oct;56(1):70–81

Aspects of vitamin A metabolism in sensory epithelia (inner ear, olfactory bulbus, pineal gland). Biesalski HK. **Int Z Vitam Ernahrungsforsch [Beih]** 1985;27:225–45

Rhythmic synthesis of various 5-methoxyindoles in the pineal gland of male adult golden hamsters, kept under the same artificial conditions throughout the year. van Benthem J, et al. **J Neural Transm** 1985;61(3–4):219–37

The effect of reduced neopterin on the synthesis of several methylated indoles in the pineal gland of adult male golden hamsters, kept under standardized conditions. van Benthem J, et al. **J Neural Transm** 1985;62(1–2):137–54

Day:night variations of melatonin, 5-hydroxyindole acetic acid, serotonin, serotonin N-acetyltransferase, tryptophan, norepinephrine and dopamine in the rabbit pineal gland. Brainard GC, et al. **Life Sci** 1984 Oct 8;35(15):1615–22

Activation of protein kinase C potentiates isoprenaline-induced cyclic AMP accumulation in rat pinealocytes. Sugden D, et al. **Nature** 1985 Mar 28–Apr 3;314(6009):359–61

Beta-adrenergic [(3H]CGP-12177) binding to brain slices and single intact pineal glands. Wilkinson M, et al. **Neurochem Res** 1985 Jun;10(6):829–39

Changes in serotonin levels, N-acetyltransferase activity, hydroxyindole-O-methyltransferase activity, and melatonin levels in the pineal gland of the Richardson's ground squirrel in relation to the light-dark cycle. Reiter RJ, et al. **Neuroendocrinology** 1984 Oct;39(4):356–60

Photoreceptor damage and eye pigmentation: influence on the sensitivity of rat pineal N-acetyltransferase activity and melatonin levels to light at night. Webb SM, et al. **Neuroendocrinology** 1985 Mar;40(3):205–9

Immunocytochemical localization of S-100 protein in interstitial cells of the monkey Macaca irus pineal gland. Girod C, et al. **Neurosci Lett** 1985 Jun 12;57(2):181–4

Neuropeptide Y innervation of the rodent pineal gland and cerebral blood vessels. Schon F, et al. **Neurosci Lett** 1985 Jun 4;57(1):65–71

Pharmacological changes in rat pineal gland melatonin content. Garvey PL, et al. **Proc West Pharmacol Soc** 1984; 27:51–4

[Effect of acute administration of antidepressive agents at 2 P.M. on plasma and pineal levels of melatonin in the rat] Mouren P, et al. **Encephale** 1985 Jan–Feb;11(1):29–30 (Eng. Abstr.) **(Fre)**

[Biosynthesis of immunoreactive luteinizing hormone in the central nervous system of rats] Nabatchikova NA, et al. **Probl Endokrinol (Mosk)** 1985 Jan–Feb;31(1):44–7 (Eng. Abstr.) **(Rus)**

[Effect of deficiency and excess of thyroid hormones in the body on indolamine metabolism in the rat epiphysis cerebri] Rom-Bugoslavskaia ES, et al. **Probl Endokrinol (Mosk)** 1984 Sep–Oct;30(5):82–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Morphodynamic response of the pineal gland to initial stress attack. Milin J, et al. **Arch Anat Microsc Morphol Exp** 1984; 73(3):159–80

[Morpho-functional characteristics of the pineal gland in patients with cancer at various sites] Petrov SV. **Vopr Onkol** 1984;30(9):29–34 (Eng. Abstr.) **(Rus)**

[The pineal gland in isolation stress] Milić R. **Glas Srp Akad Nauka [Med]** 1981;(33):8–16 **(Scc)**

PHYSIOLOGY

Trophic response of hamster brown adipose tissue: roles of norepinephrine and pineal gland. Triandafillou J, et al. **Am J Physiol** 1984 Dec;247(6 Pt 1):E793–9

Pineal gland influences period of circannual rhythms of ground squirrels. Zucker I. **Am J Physiol** 1985 Jul;249(1 Pt 2):R111–5

Prevention by pinealectomy of short-photoperiod-induced ultrastructural changes in the hamster Harderian gland. Diioria DP, et al. **Anat Rec** 1984 Nov;210(3):449–52

Alterations in hypothalamic content of luteinizing hormone-releasing hormone associated with pineal-mediated testicular regression in the golden hamster. Jackson FL, et al. **Biol Reprod** 1984 Oct;31(3):436–45

Harderian gland: regulation of sexual 'type' by gonads and pineal gland. McMasters KM, et al. **Biol Reprod** 1984 Oct; 31(3):579–85

Electrophysiological evidence for central nervous connections of the pigeon's pineal gland. Demaine C, et al. **Brain Res Bull** 1984 Nov;13(5):629–34

Oculopotency of embryonic quail pineals as revealed by cell culture studies. Watanabe K, et al. **Cell Differ** 1985 Jun; 16(4):251–7

Serum melatonin profiles and endocrine responses of ewes exposed to a pulse of light late in the dark phase. Earl CR, et al. **Endocrinology** 1985 Jul;117(1):226–30

The influence of blinding, olfactory bulbectomy, and pinealectomy on twenty four-hour plasma prolactin levels in normal and neonatally androgenized female rats. Gala RR, et al. **Endocrinology** 1984 Oct;115(4):1256–61

Possible endocrine role of the pineal gland for 6-methoxytetrahydro-beta-carboline, a putative endogenous neuromodulator of the [3H]imipramine recognition site. Langer SZ, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):379–80

Inhibitory action of the pineal gland on the nuclear volume of thyroid follicular cells in male gerbils (Meriones unguiculatus). Lewiński A, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):239–44

Parathyroidectomy-pinealectomy-induced seizures: effects of intersurgical length. Dickman CA, et al. **Exp Neurol** 1985 Jun;88(3):538–43

Evidence for no relationship of the pineal activity with the neonatal shrinkage of Leydig cells in the rat. Arishima K, et al. **Experientia** 1984 Oct 15;40(10):1155–7

Dark exposure inhibits the mitotic activity of thyroid follicular cells in male mice with intact pineal. Lewiński A, et al. **Experientia** 1984 Nov 15;40(11):1284–5

Maturation of the pineal melatonin rhythm in long- and short-day reared Djungarian hamsters. Yellon SM, et al. **Experientia** 1985 May 15;41(5):651–2

Effects of timed melatonin injections on reproduction in pinealectomized Peromyscus leucopus. Hall ES, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):407–14

Diel variations in arginine vasotocin content of goldfish brain and pituitary: effects of photoperiod and pinealectomy. Hontela A, et al. **Gen Comp Endocrinol** 1985 Mar; 57(3):397–404

Effects of time, photoperiod, and pinealectomy on ocular and plasma melatonin concentrations in the chick. Osol G, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):415–20

Role of pineal gland in kidney-adrenal homeostasis. Acuña D, et al. **Horm Metab Res** 1984 Nov;16(11):589–92

Effect of long and short photoperiod and/or pinealectomy on immunoreactive somatostatin in the Syrian hamster. Webb SM, et al. **Horm Metab Res** 1985 Feb;17(2):107–8

Effects of pinealectomy on regional brain serotonin metabolism. Aldegunde M, et al. **Int J Neurosci** 1985 Apr; 26(1–2):9–13

Changes in the electrical activity of the rat pineal gland following stimulation of the cervical sympathetic ganglia. Reuss S, et al. **J Auton Nerv Syst** 1985 Apr;12(4):281–8

FSH secretion in pinealectomized rams subjected to artificial photoperiods. Barrell GK, et al. **J Endocrinol** 1985 Aug; 106(2):167–71

Early effects of pinealectomy on LH and testosterone secretion in white-tailed deer. Plotka ED, et al. **J Endocrinol** 1984 Oct;103(1):1–7

Influence of lighting cycles on daily rhythms in concentrations of plasma tri-iodothyronine and thyroxine in intact and pinealectomized immature broiler hens (Gallus domesticus). Sharp PJ, et al. **J Endocrinol** 1984 Dec; 103(3):337–45

Prior light alters the circadian clock in the chick pineal gland. Binkley S, et al. **J Exp Zool** 1984 Dec;232(3):551–6

Annual testicular cycle of the lizard Anolis carolinensis: effects of pinealectomy and melatonin. Underwood H. **J Exp Zool** 1985 Feb;233(2):235–42

The hypothalamic and neurohypophysial oxytocin content as influenced by desmethylimipramine in normal and pinealectomized white male rats. Guzek JW, et al. **J Neural Transm** 1985;62(1–2):125–36

Electrophysiological investigations on the central innervation of the rat and guinea-pig pineal gland. Reuss S, et al. **J Neural Transm** 1984;60(1):31–43

Interaction between alpha- and beta-adrenoceptors in rat pineal adenosine cyclic 3',5'-monophosphate phosphodiesterase activation. Vacas MI, et al. **J Neural Transm** 1985;62(3–4):295–304

Regulation of rat pineal alpha 1-adrenoceptors. Sugden D, et al. **J Neurochem** 1985 Jan;44(1):63–7

Denervation supersensitivity of the rat pineal to norepinephrine-stimulated [3H]inositide turnover revealed by lithium and a convenient procedure. Zatz M. **J Neurochem** 1985 Jul;45(1):95–100

Rapid recovery of pineal function after partial denervation: a possible role for heteroneuronal uptake of transmitter in modulating synaptic efficacy. Zigmond RE, et al. **J Neurosci** 1985 Jan;5(1):142–50

The pineal gland: anatomy, physiology, and clinical significance. Erlich SS, et al. **J Neurosurg** 1985 Sep; 63(3):321–41 (227 ref.)

Pinealectomy delays puberty in ewe lambs. Kennaway DJ, et al. **J Reprod Fertil** 1985 May;74(1):119–25

The influence of blinding, olfactory bulbectomy and pinealectomy on plasma and anterior pituitary prolactin levels and on uterine and anterior pituitary weights in normal and neonatally androgenized rats. Gala RR, et al. **Life Sci** 1985 Apr 29;36(17):1617-24

Nocturnal feeding in the mouse--opiate and pineal influences. Kavaliers M, et al. **Life Sci** 1985 Mar 11;36(10):973-80

Decreases in pineal melatonin content during the hibernation bout in the golden-mantled group squirrel, Spermophilus lateralis. Stanton TL, et al. **Life Sci** 1984 Oct 1; 35(14):1461-7

Pineal melatonin mediates photoperiodic control of pulsatile luteinizing hormone secretion in the ewe. Bittman EL, et al. **Neuroendocrinology** 1985 May;40(5):409-18

Regulation of 'peripheral-type' binding sites for benzodiazepines in the pineal gland. Weissman BA, et al. **Pharmacol Biochem Behav** 1984 Dec;21(6):821-4

Effect of pinealectomy and circadian rhythm on avoidance behavior in the male rat. Catalá MD, et al. **Physiol Behav** 1985 Mar;34(3):327-33

The pineal gland and opiate-induced feeding. Gosnell BA, et al. **Physiol Behav** 1985 Jan;34(1):1-6

Role of the pineal gland in circadian organization of diurnal ground squirrels. Martinet L, et al. **Physiol Behav** 1985 May;34(5):799-803

Melatonin: a coordinating signal for mammalian reproduction? Tamarkin L, et al. **Science** 1985 Feb 15; 227(4688):714-20 (87 ref.)

Possible role of the pineal gland in pituitary prolactin secretion in female rats. Minato K, et al. **Tohoku J Exp Med** 1984 Jul;143(3):305-13

Electrophysiological studies on neuronal transmission in the frog's photosensory pineal organ. The effect of amino acids and biogenic amines. Meissl H, et al. **Vision Res** 1984; 24(12):1727-34

[Neuropeptide and pineal function] Toshio K, et al. **Tanpakushitsu Kakusan Koso** 1984 Dec;29(14):1600-9 (112 ref.) **(Jpn)**

[Seasonal rhythms of the indolamine content in the epiphysis of rats] Bondarenko LA. **Biull Eksp Biol Med** 1985 Aug; 100(8):137-9 (Eng. Abstr.) **(Rus)**

[Age characteristics of the functional state of the thymus gland, epiphysis and adrenal cortex in practically healthy people] Grinevich IuA, et al. **Fiziol Zh** 1985 May-Jun; 31(3):356-9 **(Rus)**

[Role of the epiphysis in regulating the normal function of the child's body and in pathological states] Dadambaev ET. **Pediatriia** 1985 Jan;(1):57-9 (49 ref.) **(Rus)**

[Long-term study of the effects of pinealectomy on the testicular interstitial cells of rodents] Mompo Sanchis JA, et al. **Actas Urol Esp** 1985 Mar-Apr;9(2):191-6 (Eng. Abstr.) **(Spa)**

[Effects of pinealectomy on the ventral prostatic lobe and the seminal vesicles/coagulating glands of albino rats (I)] Mompó Sanchís JA, et al. **Arch Esp Urol** 1985 Mar-Apr; 38(2):99-110 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Effects of pinealectomy and melatonin administration on thyroid follicles of blind Syrian hamsters. Vriend J, et al. **Anat Rec** 1985 Jan;211(1):29-33

RADIOGRAPHY

The role of computed tomography in the management of pineal area tumors. Abu-Yousef M, et al. **Australas Radiol** 1984 Nov;28(4):284-93

'The displaced pineal?' A case report. Hatfield KD, et al. **Australas Radiol** 1985 Feb;29(1):14-6

Clinical and computed tomographic correlations of pineal neoplasms. Weisberg LA. **Comput Radiol** 1984 Sep-Oct; 8(5):285-92

Atypical pineal teratoma: clinical and computer tomographic features of two patients with disseminated ependymal lesions. Aichner F, et al. **Neurochirurgia (Stuttg)** 1984 Jul; 27(4):120-4

[Significance of a displaced, calcified pineal body in the diagnosis of traumatic intracranial hematomas] Kamalov II. **Zh Vopr Neirokhir** 1984 Sep-Oct;(5):58-9 **(Rus)**

SECRETION

[Melatonin in humans] Karasek M. **Endokrvnol Pol** 1984; 35(6):315-22 (47 ref.) **(Pol)**

[Neurohormonal regulation of lactation] Kolodina LN, et al. **Akush Ginekol (Mosk)** 1985 May;(5):5-8 (54 ref.) **(Rus)**

SURGERY

Gangliocytoma of the pineal body. A case report and review of the literature. Ebina K, et al. **Acta Neurochir (Wien)** 1985;74(3-4):134-40

Plasma and tissue concentrations of melatonin after midnight light exposure and pinealectomy in the pigeon. Vakkuri O, et al. **J Endocrinol** 1985 May;105(2):263-8

[Surgery of pineal tumors--anatomical consideration of various approaches] Sano K. **No Shinkei Geka** 1984 Sep; 12(10):1119-29 **(Jpn)**

ULTRASTRUCTURE

Ultrastructural characterization of glial cells in the rat pineal gland with special reference to the pineal stalk. Luo ZR, et al. **Anat Rec** 1984 Dec;210(4):663-74

Pineal ultrastructure and indole profiles spanning the summer rise in arginine vasotocin immunoactivity. McNulty JA, et al. **Endocrinology** 1985 Sep;117(3):1035-42

[Ultrastructure of the pineal organ of Crypturellus parvirostris Wagler, 1897 (Aves. Tinamiformes)] Redins CA, et al. **Rev Bras Biol** 1984 Nov;44(4):499-508 (Eng. Abstr.) **(Por)**

PINEALOMA

BLOOD

Suppression of plasma prolactin in a patient with a pinealocytoma. Kraft K, et al. **Horm Metab Res** 1984 Jun; 16(6):324-5

COMPLICATIONS

[Diabetes insipidus as a preliminary sign of brain tumor] Niżnikiewicz J. **Neurol Neurochir Pol** 1984 Jul-Aug; 18(4):365-8 (Eng. Abstr.) **(Pol)**

CONGENITAL

Congenital pineoblastoma in the newborn: ultrasound evaluation. Lilue RE, et al. **Radiology** 1985 Feb; 154(2):363-5

DIAGNOSIS

Sylvian aqueduct syndrome. Chronology of tumors in the pineal region in view of ocular movement. Sakata E, et al. **Auris Nasus Larynx** 1984;11(2):101-8

Extraneural metastasis of choriocarcinomatous element in pineal germ-cell tumor. Case report. Yoshida K, et al. **J Neurosurg** 1985 Sep;63(3):463-6

Diagnostic potential of melatonin analysis in pineal tumors [letter] Miles A, et al. **N Engl J Med** 1985 Aug 1; 313(5):329-30

DRUG THERAPY

Chemotherapy trials in recurrent primary intracranial germ cell tumors. Allen JC, et al. **J Neurooncol** 1985;3(2):147-52

FAMILIAL & GENETIC

Familial pineoblastoma. Report of two cases. Lesnick JE, et al. **J Neurosurg** 1985 Jun;62(6):930-2

PATHOLOGY

Tumor staging for pineal region tumors of childhood. Bruce DA, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1792-4

Systemic staging of supratentorial extra-axial brain tumors in children. Craniopharyngiomas, atypical teratoma and teratoid tumors of the suprasellar region (germinomas), and intracranial teratomas. James HE, et al. **Cancer** 1985 Oct 1;56(7 Suppl):1800-3

Surgical resection of a pineal tumor containing elements of germinoma and astrocytoma. Neuwelt EA, et al. **Neurosurgery** 1985 Mar;16(3):373-8

Germinoma of the pineal body with syncytiotrophoblastic giant cells. Drut R, et al. **Pediatr Pathol** 1984;2(1):65-70

[Pinealocytoma with neuroganglional differentiation] Mohr M, et al. **Arch Anat Cytol Pathol** 1985;33(1):17-22 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Clinical and computed tomographic correlations of pineal neoplasms. Weisberg LA. **Comput Radiol** 1984 Sep-Oct; 8(5):285-92

RADIOTHERAPY

[Radiotherapy of pineal tumors and ectopic pinealomas] Shirato H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1985 Feb 25;45(2):348-55 (Eng. Abstr.) **(Jpn)**

[Tumors of the pineal region: apropos of 1 case] Martín Nozal L, et al. **Arch Neurobiol (Madr)** 1985 Jan-Feb;48(1):7-14 (Eng. Abstr.) **(Spa)**

SECONDARY

Metastasizing pineal germinoma. A case report and review. Levin CV, et al. **S Afr Med J** 1985 Jul 6;68(1):36-9

SURGERY

Experience with pineal region tumours in childhood. Hoffman HJ, et al. **Neurol Res** 1984 Sep;6(3):107-12

THERAPY

Pineal region tumors. Boyd MC, et al. **Can J Neurol Sci** 1985 Feb;12(1):35-8

ULTRASTRUCTURE

Paired twisted filaments: a new ultrastructural marker of human pinealomas? Hassoun J, et al. **Acta Neuropathol (Berl)** 1984;65(2):163-5

PINK DISEASE see **ACRODYNIA**

PINNIPEDIA

Polyradiculoneuritis in a California sea lion. Kollias GV, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1410-2

The fine structure of cytoplasmic and intranuclear inclusions of seal pox. Okada K, et al. **Nippon Juigaku Zasshi** 1984 Jun;46(3):401-4

Use of carfentanil and a ketamine-xylazine mixture to immobilise wild grey seals (Halichoerus grypus). Baker JR, et al. **Vet Rec** 1985 Feb 23;116(8):208-10

[Pathology of marine mammals] Murmann W, et al. **Tierarztl Prax** 1984;12(1):105-15 **(Ger)**

METABOLISM

Purification and characterization of a chymosinlike protease from the gastric mucosa of harp seal (Pagophilus groenlandicus). Shamsuzzaman K, et al. **Can J Biochem Cell Biol** 1984 Aug;62(8):699-708

Characterization of ethoxyresorufin O-de-ethylase in grey seal Halichoerus grypus. Addison RF, et al. **Comp Biochem Physiol [C]** 1984;79(2):261-3

Potentially conflicting metabolic demands of diving and exercise in seals. Castellini MA, et al. **J Appl Physiol** 1985 Feb;58(2):392-9

Gonadotrophin and progesterone concentrations in placentae of grey seals (Halichoerus grypus). Hobson BM, et al. **J Reprod Fertil** 1984 Nov;72(2):521-8

Pollutants in harp seals (Phoca groenlandica). II. Heavy metals and selenium. Ronald K, et al. **Sci Total Environ** 1984 Sep;38:153-66

Pollutants in harp seals (Phoca groenlandica). I. Organochlorines. Ronald K, et al. **Sci Total Environ** 1984 Sep;38:133-52

MICROBIOLOGY

Candidiasis in captive pinnipeds. Dunn JL, et al. **J Am Vet Med Assoc** 1984 Dec 1;185(11):1328-30

PARASITOLOGY

Further indication of viability of larvae of the hookworm (Uncinaria lucasi) for several years in tissues of northern fur seals (Callorhinus ursinus). Lyons ET, et al. **J Parasitol** 1984 Jun;70(3):459-60

[Oocysts beside sarcocysts in the muscles of an Antarctic seal] Odening K. **Angew Parasitol** 1984 Nov;25(4):214-6 **(Ger)**

PHYSIOLOGY

Interhemispheric asynchrony of the sleep EEG in northern fur seals. Mukhametov LM, et al. **Experientia** 1985 Aug 15;41(8):1034-5

The contribution of nasal countercurrent heat exchange to water balance in the northern elephant seal, Mirounga angustirostris. Huntley AC, et al. **J Exp Biol** 1984 Nov; 113:447-54

A transient outward current related to calcium release and development of tension in elephant seal atrial fibres. Maylie J, et al. **J Physiol (Lond)** 1984 Dec;357:267-92

Photoperiod and delayed implantation in the northern fur seal (Callorhinus ursinus). Temte JL. **J Reprod Fertil** 1985 Jan;73(1):127-31

Mortality of northern fur seal pups in relation to growth and birth weights. Calambokidis J, et al. **J Wildl Dis** 1985 Jul;21(3):327-30

Seal lungs collapse during free diving: evidence from arterial nitrogen tensions. Falke KJ, et al. **Science** 1985 Aug 9; 229(4713):556-8

[Measurement of oxygen consumption and external respiratory parameters in seals (Phoca vitulina) swimming freely in a pool] Baranov EA, et al. **Fiziol Zh SSSR** 1985 Mar;71(3):389-92 **(Rus)**

[Topical organization of somatic projections to the cerebral cortex of the seal Callorhinus ursius] Ladygina TF, et al. **Neirofiziologiia** 1985;17(3):344-51 (Eng. Abstr.) **(Rus)**

SURGERY

Ketamine HCL and diazepam anaesthesia of a leopard seal (Hydrurga leptonyx) for the biopsy of multiple fibromatous epulis. Gales NJ. **Aust Vet J** 1984 Sep;61(9):295-6

PINOCYTOSIS

Uptake of carbon and polystyrene particles by the sinusoidal endothelium of rabbit bone marrow and liver and rat bone marrow, with special reference to multiparticle-pinocytosis. Yoshida K, et al. **Arch Histol Jpn** 1984 Aug;47(3):303-17

The role of pinocytosis in the cellular uptake of an amino acid. Thoene JG, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):733-8

Characterization of the adsorptive pinocytic capture of a polyaspartamide modified by the incorporation of tyramine residues. Duncan R, et al. **Biochim Biophys Acta** 1985 Jun 18;840(2):291-3

Identification of free coated pinocytic vesicles in Swiss 3T3 cells. van Deurs B, et al. **EMBO J** 1984 Sep;3(9):1959-64

Metabolism of glycosylated human salivary amylase: in vivo plasma clearance by rat hepatic endothelial cells and in vitro receptor mediated pinocytosis by rat macrophages. Niesen TE, et al. **J Leukocyte Biol** 1984 Sep;36(3):307-20

Use of horseradish peroxidase and fluorescent dextrans to study fluid pinocytosis in leukocytes. Oliver JM, et al. **Methods Enzymol** 1984;108:336-47

[Comparative study of pinocytosis and the production of prostaglandin E2 by hepatic and peritoneal resident macrophages in mice] Mavier P, et al. **Gastroenterol Clin Biol** 1985 Jun-Jul;9(6-7):508-15 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Induction and inhibition of pinocytosis by aminoglycoside antibiotics. Johansson P, et al. **Br J Pharmacol** 1984 Nov; 83(3):615-23

Activation of the capacity for sodium-induced pinocytosis in Amoeba proteus. Johansson P, et al. **Exp Cell Res** 1984 Oct;154(2):376-85

Selective inhibition of calcium-stimulated cation-induced pinocytosis by starvation and inhibitors of protein synthesis in Amoeba proteus. Johansson P, et al. **Exp Cell Res** 1984 Oct;154(2):367-75

Taenia crassiceps: basic mechanisms of endocytosis in the cysticercus. Threadgold LT, et al. **Exp Parasitol** 1984 Dec; 58(3):263-9

Influence of colchicine and cytochalasin B on pinocytosis, phagocytosis, and antibody-dependent cell-mediated cytotoxicity. Piasek A, et al. **Hamatol Bluttransfus** 1985; 29:511-3

Phorbol esters and horseradish peroxidase stimulate pinocytosis and redirect the flow of pinocytosed fluid in macrophages. Swanson JA, et al. **J Cell Biol** 1985 Mar; 100(3):851-9

PINWORMS see **ENTEROBIUS**

PIPECOLIC ACIDS

ANALYSIS

Quantification by selected ion monitoring of pipecolic acid, proline, gamma-aminobutyric acid and glycine in rat brain. Okano Y, et al. **J Chromatogr** 1984 Oct 12;310(2):251-9

Quantitative determination and regional distribution of pipecolic acid in rodent brain. Kim JS, et al. **Neurochem Res** 1984 Nov;9(11):1559-69

BLOOD

Hyperpipecolic acidemia in neonatal adrenoleukodystrophy. Kelley RI, et al. **Am J Med Genet** 1984 Dec;19(4):791-5

Determination of pipecolic acid in human blood plasma by high-performance liquid chromatography. Nishio H, et al. **Clin Chim Acta** 1984 Oct 29;143(1):57-63

METABOLISM

Identification and characterization of pipecolic acid binding sites in mouse brain. Gutierrez MD, et al. **Neurochem Res** 1985 May;10(5):691-702

PHARMACODYNAMICS

Specific inhibition of human beta-D-glucuronidase and alpha-L-iduronidase by a trihydroxy pipecolic acid of plant origin. Cenci di Bello I, et al. **FEBS Lett** 1984 Oct 15;176(1):61-4

In vitro studies of a new synthetic thrombin inhibitor. Green D, et al. **Thromb Res** 1985 Jan 1;37(1):145-53

Inhibition of thrombin-induced platelet adherence to vascular cells by synthetic thrombin inhibitor No. 805. Czervionke RL, et al. **Trans Assoc Am Physicians** 1983; 96:271-7

THERAPEUTIC USE

A clinical trial of MD-805, a synthetic thrombin inhibitor, for the treatment of DIC. Yamada K. **Bibl Haematol** 1983; (49):343-4

Anticoagulation with a synthetic thrombin inhibitor after cardiovascular surgery and for treatment of disseminated intravascular coagulation. Kumon K, et al. **Crit Care Med** 1984 Dec;12(12):1039-43

Effect of excitatory amino acid antagonists on the high pressure neurological syndrome in rats. Wardley-Smith B, et al. **Eur J Pharmacol** 1984 Oct 15;105(3-4):351-4

[Hydrochlorides of N-hydroxyalkyl-alpha-piperidine carboxylic arylamides possessing antiarrhythmic activity] Kaverina NV, et al. **Farmakol Toksikol** 1984 Sep-Oct; 47(5):25-8 (Eng. Abstr.) **(Rus)**

PIPEMIDIC ACID see under **NICOTINIC ACIDS**

PIPERACETAZINE see under **PHENOTHIAZINE TRANQUILIZERS**

PIPERACILLIN

[Piperacillin] Azanza Perea JR, et al. **Rev Med Univ Navarra** 1984 Sep;28(3):62-3 **(Spa)**

ADMINISTRATION & DOSAGE

Piperacillin plus vancomycin in the therapy of febrile episodes in cancer patients. Jadeja L, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):295-9

Moxalactam and piperacillin: a study of in vitro characteristics and pharmacokinetics in cancer patients. Drusano GL, et al. **Infection** 1985 Jan-Feb;13(1):20-6

Comparative pharmacokinetics and serum bactericidal activity of mezlocillin, ticarcillin and piperacillin, with and without gentamicin. Viollier AF, et al. **J Antimicrob Chemother** 1985 May;15(5):597-606

[Empiric therapy with piperacillin plus amikacin for febrile patients with cancer--with emphasis on granulocytopenia] Sampi K, et al. **Gan To Kagaku Ryoho** 1985 Jun; 12(6):1301-5 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Neutropenia associated with mezlocillin and piperacillin. Kirkwood CF, et al. **Drug Intell Clin Pharm** 1985 Feb; 19(2):112-4

Piperacillin and allergic rash [letter] **Lancet** 1985 Sep 28; 2(8457):723-4

Allergic skin reactions to piperacillin in patients with acute leukaemia [letter] Mead GM, et al. **Lancet** 1985 Aug 31; 2(8453):499

Elevated bleeding time and epistaxis associated with piperacillin therapy [letter] Moore M, et al. **South Med J** 1985 Mar;78(3):363

Adverse reactions to piperacillin in adults with cystic fibrosis. Stead RJ, et al. **Thorax** 1985 Mar;40(3):184-6

ANALYSIS

Piperacillin levels in human tears and aqueous humor [letter] Reifler DM. **Am J Ophthalmol** 1984 Dec 15;98(6):821

[Pulse polarographic determination of piperacillin (Pipril) in serum and urine] Schröder S, et al. **Pharmazie** 1985 May; 40(5):333-5 (Eng. Abstr.) **(Ger)**

[Studies on tissue concentrations of cefoperazone and piperacillin classified by the site of the wall of gallbladder and concentration of piperacillin in the bile after operation] Shima K, et al. **Jpn J Antibiot** 1984 Jun;37(6):966-72 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Imipenem antagonism of the in vitro activity of piperacillin against Pseudomonas aeruginosa. Bertram MA, et al. **Antimicrob Agents Chemother** 1984 Aug;26(2):272-4

BLOOD

Pharmacokinetics of ceftazidime, alone or in combination with piperacillin or tobramycin, in the sera of cancer patients. Drusano GL, et al. **Antimicrob Agents Chemother** 1985 Apr;27(4):605-7

METABOLISM

Penetration of latamoxef, cefoperazone and piperacillin into the sputum of patients with cystic fibrosis. Laferriere C, et al. **Chemotherapy** 1985;31(4):255-60

Prolonged elimination of piperacillin in a patient with renal and liver failure. Green L, et al. **Drug Intell Clin Pharm** 1985 Jun;19(6):427-9

[Bronchial diffusion of piperacillin in 18 intensive care patients] Mouton Y, et al. **Pathol Biol (Paris)** 1985 May; 33(5):359-62 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Multicenter in vitro study of piperacillin. Verbist L. **Acta Clin Belg** 1985;40(1):22-6

Comparative in vitro activities of apalcillin and piperacillin against gram-negative bacilli. Fass RJ, et al. **Antimicrob Agents Chemother** 1984 Nov;26(5):660-4

Enhanced liposome-mediated activity of piperacillin against staphylococci. Nacucchio MC, et al. **Antimicrob Agents Chemother** 1985 Jan;27(1):137-9

Effect of aztreonam in combination with azlocillin or piperacillin on Pseudomonas aeruginosa. Wu DH, et al. **Antimicrob Agents Chemother** 1984 Oct;26(4):519-21

Increased minimum inhibitory concentrations with anaerobiasis for tobramycin, gentamicin, and amikacin, compared to latamoxef, piperacillin, chloramphenicol, and clindamycin. Tack KJ, et al. **Chemotherapy** 1985; 31(3):204-10

Piperacillin. A review of its antibacterial activity, pharmacokinetic properties and therapeutic use. Holmes B, et al. **Drugs** 1984 Nov;28(5):375-425 (312 ref.)

In vitro comparison of aminoglycoside activities and their synergistic action with piperacillin. Hoogkamp-Korstanje JA. **Infection** 1985 Jan-Feb;13(1):39-42

Mutation of Pseudomonas aeruginosa to piperacillin resistance mediated by beta-lactamase production. Bell SM, et al. **J Antimicrob Chemother** 1985 Jun;15(6):665-70

Pseudomonas aeruginosa beta-lactamase as a defence against azlocillin, mezlocillin and piperacillin. Jacobs JY, et al. **J Antimicrob Chemother** 1984 Sep;14(3):221-9

Piperacillin activity and anaerobic infections [letter] Mandelli M, et al. **J Antimicrob Chemother** 1985 Feb;15(2):252-3

The effect of clavulanic acid on the susceptibility of Bacteroides fragilis to three acyl-ureidopenicillins, ampicillin and carbenicillin. Simpson CN, et al. **J Antimicrob Chemother** 1984 Aug;14(2):133-8

Different mechanisms of TEM-1 and Oxa-1 mediated resistance to piperacillin in E. coli. Marre R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [A]** 1984 Dec; 258(2-3):287-95

[Comparative antibacterial activity of piperacillin against Pseudomonas aeruginosa, Escherichia coli and Streptococcus faecalis in cultures and human serum] Just HM, et al. **Immun Infekt** 1985 May;13(3):119-23 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Timentin versus piperacillin or moxalactam in the therapy of acute bacterial infections. File TM Jr, et al. **Antimicrob Agents Chemother** 1984 Sep;26(3):310-3

Effects of cefotaxime, clindamycin, mezlocillin, and piperacillin on mouse sarcoma L-1 tumor. Roszkowski K, et al. **Cancer Immunol Immunother** 1984;18(3):164-8

Piperacillin: a comprehensive study of its renal effects and uricosuric property in man. Bianchi C, et al. **Contrib Nephrol** 1984;42:202-9

Synergistic action of silver sulfadiazine and sodium piperacillin on resistant Pseudomonas aeruginosa in vitro and in experimental burn wound infections. Modak S, et al. **J Trauma** 1985 Jan;25(1):27-31

Piperacillin versus clindamycin plus gentamicin for pelvic infections [letter] Fribourg S. **Obstet Gynecol** 1985 Sep; 66(3):447-8

Comparative efficacy of piperacillin versus carbenicillin for complicated urinary tract infections. Sharifi R, et al. **Urol Int** 1984;39(6):345-51

Role of piperacillin in surgical prophylaxis of genitourinary infections. Childs SJ, et al. **Urology** 1985 Jul;26(1 Suppl):43-8

[Piperacillin (Ivacin)] Friis H, et al. **Ugeskr Laeger** 1984 May 28;146(22):1650-1 **(Dan)**

[Piperacillin combined with gentamicin in the treatment of bacterial meningitis in children] Pecenco GL. **Clin Ter** 1985 Jan 15;112(1):67-71 (Eng. Abstr.) **(Ita)**

[A study on administration of antibiotics during operation for prevention of postoperative infections] Ueda K, et al. **Jpn J Antibiot** 1985 Jan;38(1):133-6 (Eng. Abstr.) **(Jpn)**

[A double-blind comparative study of aspoxicillin and piperacillin in the treatment of respiratory tract infections] Saito A, et al. **Kansenshogaku Zasshi** 1985 Feb; 59(2):164-200 (Eng. Abstr.) **(Jpn)**

PIPERAZINES

Further evaluation of bimolane and analogs as potential antitumor agents. Ren YF, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):493-7

Analysis of the cytotoxic effects of light-exposed HEPES-containing culture medium. Zigler JS Jr, et al. **In Vitro Cell Dev Biol** 1985 May;21(5):282-7

N-benzylpiperazino derivatives of 3-nitro-4-hydroxycoumarin with H1 antihistamine and mast cell stabilizing properties. Buckle DR, et al. **J Med Chem** 1984 Nov;27(11):1452-7

[Suspension laryngoscopy using monitored diazepam-analgesia and a respiratory analeptic. Apropos of 150 cases] Mourot F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1984;105(3):315-7 (Eng. Abstr.) **(Fre)**

[Use of arduan in children] Kas'ianov PP, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):63-4 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Lidoflazine and propranolol combination treatment in chronic stable angina. Charlap S, et al. **Angiology** 1985 Apr; 36(4):240-52

Effect of prospidine administered at different times of the day on the development and growth of N-nitrosomethylurea-induced mammary tumors in Wistar rats. Pérez-López FR, et al. **Cancer Lett** 1984 Aug; 24(1):111-8

Combined labetalol plus flunarizine treatment for arterial hypertension. Bonavita E. **Int J Clin Pharmacol Res** 1984; 4(6):475-80

Prevention and treatment of bronchospasm using an extempore combination of salbutamol and oxatomide. Pagliano F. **Int J Clin Pharmacol Res** 1985;5(1):71-4

Trazodone--a comparison of single night-time and divided daily dosage regimens. Brooks D, et al. **Psychopharmacology (Berlin)** 1984;84(1):1-4

[Multiple reticulohistiocytoma successfully treated with prospidin and prednisolone] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1985 May;(5):24-7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Piperazine-induced airway symptoms: exposure-response relationships and selection in an occupational setting. Hagmar L, et al. **Am J Ind Med** 1984;6(5):347-57

Trazodone-induced mania following desipramine-induced mania in major depressive disorders [letter] Arana GW, et al. **Am J Psychiatry** 1985 Mar;142(3):386

Trazodone administration during ECT associated with cardiac conduction abnormality [letter] McCracken J, et al. **Am J Psychiatry** 1984 Nov;141(11):1488-9

More on trazodone and priapism [letter] Patt N. **Am J Psychiatry** 1985 Jun;142(6):783-4

Self-destructive behavior in a patient taking trazodone [letter] Perse T, et al. **Am J Psychiatry** 1984 Dec; 141(12):1646-7

Trazodone and priapism [letter] Raskin DE. **Am J Psychiatry** 1985 Jan;142(1):142-3

Complete heart block following a single dose of trazodone. Rausch JL, et al. **Am J Psychiatry** 1984 Nov;141(11):1472-3

Seizures and trazodone therapy [letter] Lefkowitz D, et al. **Arch Gen Psychiatry** 1985 May;42(5):523

Rapid atrial fibrillation associated with trazodone hydrochloride [letter] White WB, et al. **Arch Gen Psychiatry** 1985 Apr;42(4):424

Acute myeloid leukaemia after treatment with razoxane. Caffrey EA, et al. **Br J Dermatol** 1985 Aug;113(2):131-4

Lichen planus pemphigoides-like lesions induced by cinnarizine. Miyagawa S, et al. **Br J Dermatol** 1985 May;112(5):607-13

Trazodone toxicity [letter] Johnson BA. **Br J Hosp Med** 1985 May;33(5):298

Peripheral neuropathy during treatment with almitrine. Chedru F, et al. **Br Med J [Clin Res]** 1985 Mar 23;290(6472):896

Risk of leukemia associated with chemotherapy [letter] Griffiths WA. **Br Med J [Clin Res]** 1985 Feb 16;290(6467):555

Unusual erectile activity as a side effect of trazodone. Sacks M, et al. **Hosp Community Psychiatry** 1985 Mar;36(3):298

Drug eruption secondary to trazodone [letter] Cohen LE. **J Am Acad Dermatol** 1984 Sep;11(3):526-7

Trazodone-induced hepatotoxicity and leukonychia [letter] Longstreth GF, et al. **J Am Acad Dermatol** 1985 Jul;13(1):149-50

Erythema multiforme associated with trazodone therapy: case report. Ford HE, et al. **J Clin Psychiatry** 1985 Jul;46(7):294-5

Peripheral edema associated with trazodone: a report of ten cases. Barrnett J, et al. **J Clin Psychopharmacol** 1985 Jun;5(3):161-4

Ejaculatory inhibition with trazodone. Jones SD. **J Clin Psychopharmacol** 1984 Oct;4(5):279-81

Peripheral neuropathy in patients treated with almitrine dimesylate. Gherardi R, et al. **Lancet** 1985 Jun 1;1(8440):1247-50

Antidepressant side effects [letter] **Psychosomatics** 1984 Dec;25(12):919-20

[Convulsions with 3 antitussive substituted derivatives of piperazine (zipeprol, eprazinone, eprozinol)] Merigot P, et al. **Ann Pediatr (Paris)** 1985 Jun;32(6):504-6, 511 (Eng. Abstr.) **(Fre)**

[Evaluation of a national prospective survey on the undesirable effects of glafenine, antrafenine and floctafenine] Cheymol G, et al. **Therapie** 1985 Jan-Feb;40(1):45-50 (Eng. Abstr.) **(Fre)**

[Allergic reactions to Arduan administration] Udachina NA, et al. **Klin Khir** 1984 Dec;(12):35-6 **(Rus)**

ANALYSIS

Analytical uses of charge-transfer complexes: determination of pure and dosage forms of piperazine. Muralikrishna U, et al. **Analyst** 1984 Oct;109(10):1277-9

Spectrophotometric determination of piperazine with chloranil. Wahbi AA, et al. **Analyst** 1984 Nov;109(11):1513-4

Thyrotropin releasing hormone but not histidyl-proline diketopiperazine is depleted from rat spinal cord following 5,7-dihydroxytryptamine treatment. Lechan RM, et al. **Brain Res** 1985 Feb 4;326(1):152-5

Inclusion complexes of cinnarizine with beta-cyclodextrin in aqueous solution and in the solid state. Tokumura T, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):4179-84

The capillary gas chromatographic determination of trazodone in biological specimens. Anderson WH, et al. **J Anal Toxicol** 1984 Sep-Oct;8(5):217-9

DC polarographic assay of piperazines. Walash MI, et al. **J Assoc Off Anal Chem** 1985 May-Jun;68(3):532-4

Rapid and sensitive analysis of terazosin in plasma, peritoneal dialysis solution, and urine using high-performance liquid chromatography with fluorescence detection. Patterson SE. **J Chromatogr** 1984 Nov 9;311(1):206-12

Determination of the decomposition products of Usal in model systems and determination of dioxopiperazine in soft drinks by HPLC. Prudel M, et al. **Nahrung** 1985;29(4):381-9

[Determination of (trans)-1-[bis(4-fluorophenyl)methyl]-4-(3-phenyl-2-pro piperazine dihydrochloride with HPLC] Ficarra P, et al. **Boll Chim Farm** 1985 Jan;124(1):39-45 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Substance P inhibits the acute stimulation of ganglionic tyrosine hydroxylase activity by a nicotinic agonist. Ip NY, et al. **Neuroscience** 1984 Sep;13(1):217-20

BLOOD

Simple and sensitive method for monitoring zopiclone in plasma by high-performance liquid chromatography with fluorescence detection. Stanley C, et al. **Analyst** 1985 Jan;110(1):83-4

Gas chromatographic-mass spectrometric method for trazodone and a deuterated analogue in plasma. Gammans RE, et al. **J Chromatogr** 1985 May 3;339(2):303-12

The determination of trimazosin and its metabolite CP23445 in whole blood by high performance liquid chromatography using fluorescence detection. Hughes MA, et al. **J Pharmacol Methods** 1984 Aug;12(1):29-34

CHEMICAL SYNTHESIS

Antivertigo agents. IV. Synthesis and antivertigo activity of 6-[omega-(4-aryl-1-piperazinyl)alkyl]-5,6,7,8-tetrahydroyridines. Shiozawa A, et al. **Chem Pharm Bull (Tokyo)** 1984 Oct;32(10):3981-93

N-benzylpiperazino derivatives of 3-nitro-4-hydroxycoumarin with H1 antihistamine and mast cell stabilizing properties. Buckle DR, et al. **J Med Chem** 1984 Nov;27(11):1452-7

Synthesis of 2-carbalkoxyamino-5(6)-(1-substituted piperazin-4-yl/piperazin-4-ylcarbonyl)benzimidazoles and related compounds as potential anthelmintics. Abuzar S, et al. **Pharmazie** 1984 Nov;39(11):747-9

Some newer piperazine derivatives as hypotensive drugs. Agarwal JC, et al. **Pharmazie** 1984 Nov;39(11):775

Synthesis and pharmacological properties of N-arylpiperazine-N'-alkylindanes. Misztal S, et al. **Pol J Pharmacol Pharm** 1984 Nov-Dec;36(6):697-703

[Synthesis and pharmacologic study of new esters of naproxen with derivatives of N-oxyethylpiperazine] Calvi E, et al. **Farmaco [Sci]** 1985 May;40(5):334-46 (Eng. Abstr.) **(Ita)**

METABOLISM

Metal binding by pharmaceuticals. Part 5. Interaction of Cd(II), Ni(II) and Pb(II) with the intracellular hydrolysis products of the anti-tumour agent ICRF 159 and its inactive homologue ICRF 192. May PM, et al. **Agents Actions** 1984 Oct;15(3-4):448-53

Biotransformation of urapidil: metabolites in serum and urine and their biological activity in vitro and in vivo. Zech K, et al. **Arch Int Pharmacodyn Ther** 1984 Dec;272(2):180-96

Comparative bioavailability of trazodone formulations using stable isotope methodology. Gammans RE, et al. **Br J Clin Pharmacol** 1984 Sep;18(3):431-7

[3H]GBR-12935: a specific high affinity ligand for labeling the dopamine transport complex. Berger P, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):289-90

A repeated dose pharmacokinetic study of a new hypnotic agent, zopiclone (Imovane). Houghton GW, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Feb;23(2):97-100

Iron transport in Streptomyces pilosus mediated by ferrichrome siderophores, rhodotorulic acid, and enantio-rhodotorulic acid. Müller G, et al. **J Bacteriol** 1984 Oct;160(1):313-8

Bioactive conformation of 1-arylpiperazines at central serotonin receptors. Huff JR, et al. **J Med Chem** 1985 Jul;28(7):945-8

A trifluoromethylphenyl piperazine derivative with high affinity for 5-hydroxytryptamine-1A sites in rat brain. Ransom RW, et al. **J Neurochem** 1985 Mar;44(3):875-80

In-vivo metabolism in the rat and mouse of antrafenine to 1-m-trifluoromethylphenylpiperazine. Caccia S, et al. **J Pharm Pharmacol** 1985 Jan;37(1):75-7

Enhancement of bioavailability of cinnarizine from its beta-cyclodextrin complex on oral administration with DL-phenylalanine as a competing agent. Tokumura T, et al. **J Pharm Sci** 1985 Apr;74(4):496-7

5-HT-1a and 5-HT-1b selectivity of two phenylpiperazine derivatives: evidence for 5-HT-1b heterogeneity. Asarch KB, et al. **Life Sci** 1985 Apr 1;36(13):1265-73

Partial chemical characterization of cyclopyrrolones ([3H] suriclone) and benzodiazepines ([3H]flunitrazepam) binding site: differences. Zundel JL, et al. **Life Sci** 1985 Jun 10;36(23):2247-55

Anxiolytic cyclopyrrolones zopiclone and suriclone bind to a novel site linked allosterically to benzodiazepine receptors. Trifiletti RR, et al. **Mol Pharmacol** 1984 Nov;26(3):458-69

Distribution and characterization of cyclo (His-Pro)-like immunoreactivity in the human gastrointestinal tract. Diamanti Kandarakis E, et al. **Neuropeptides** 1985 Mar;6(1):21-5

Alteration by liquid protein diet of TRH and cyclo(His-Pro) in the young rat brain. Mori M, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jan;47(1):157-60

Formation of N-mononitrosopiperazine in the stomach and its excretion in the urine after oral intake of piperazine. Bellander T, et al. **Toxicol Appl Pharmacol** 1985 Sep 15;80(2):193-8

Endogenous histidyl-proline diketopiperazine [cyclo (His-Pro)]: a potential satiety neuropeptide in normal and genetically obese rodents. Wilber JF, et al. **Trans Assoc Am Physicians** 1983;96:131-6

[Clinical pharmacokinetics of almitrine dimesylate] Bromet N, et al. **Presse Med** 1984 Oct 4;13(34):2071-7 (Eng. Abstr.) **(Fre)**

[Bioavailability in man of oral formulations of flunarizine (drops and capsules)] De Caro G, et al. **Boll Chim Farm** 1984 Oct;123(10):65S-70S (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Flunarizine, a calcium influx blocker, inhibits TRH-but not potassium-stimulated prolactin secretion. Merritt JE, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):31-5

Effect of HEPES buffer on corneal storage in MK medium. Hull DS, et al. **Acta Ophthalmol (Copenh)** 1984 Dec;62(6):900-10

Comparative central and peripheral antihypertensive mechanisms of urapidil and prazosin. Brody MJ, et al. **Am J Med** 1984 Oct 5;77(4A):74-80

Comparative effects of urapidil, prazosin, and clonidine on ligand binding to central nervous system receptors, arterial pressure, and heart rate in experimental animals. Kellar KJ, et al. **Am J Med** 1984 Oct 5;77(4A):87-95

Does almitrine restore halothane-induced depression of hypoxic respiratory drive? [letter] Ward DS. **Anesthesiology** 1984 Nov;61(5):627-8

The prevention of Ca2+ overload in vascular smooth muscle by flunarizine as detected by Laser Microprobe Mass Analysis (LAMMA). De Nollin S, et al. **Angiology** 1985 May;36(5):297-304

Effects of a calcium-antagonist (flunarizine) on cancer cell movement and phagocytosis. Sezzi ML, et al. **Anticancer Res** 1985 May-Jun;5(3):265-71

Effects of a calcium-antagonist (flunarizine) on the in vitro growth of B16 mouse melanoma cells. Sezzi ML, et al. **Anticancer Res** 1984 Jul-Oct;4(4-5):229-34

Thromboxane A2-induced vascular endothelial cell damage and respiratory smooth muscle cell contraction: inhibition by flunarizine, a Ca2+-overload blocker. De Clerck F, et al. **Arch Int Pharmacodyn Ther** 1985 Mar;274(1):4-23

The effect of dopamine, apomorphine and piribedil on the mesenterial blood flow of the cat. György L, et al. **Arch Int Pharmacodyn Ther** 1985 May;275(1):22-32

Radical scavenging action of flunarizine in rat brain in vitro. Kubo K, et al. **Arch Int Pharmacodyn Ther** 1984 Dec;272(2):283-95

Inhibitory effects of oxatomide on several activities of SRS-A and synthetic leukotrienes in guinea-pigs and rats. Ohmori K, et al. **Arch Int Pharmacodyn Ther** 1985 May;275(1):139-50

Comparative antiarrhythmic and local anaesthetic effects of piperazine citrate and lignocaine hydrochloride. Onuaguluchi G, et al. **Arch Int Pharmacodyn Ther** 1985 Apr;274(2):253-66

Effects of 1-[2-ethoxy-2-(3'-pyridyl)ethyl]-4-(2'-methoxyphenyl)pi (IP-66), prazosin, yohimbine and dihydroergotoxine mesylate on the vasoconstriction of rat mesenteric artery induced by electric stimulation and exogenous norepinephrine. Castellucci A. **Arzneimittelforsch** 1985;35(1):107-11

Effect of centhaquine on spontaneous and evoked norepinephrine release from isolated perfused rabbit heart. Bhatnagar M, et al. **Arzneimittelforschung** 1985;35(4):693-7

The influence of repeated administration of prazosin on its hypotensive effect and on renin release in conscious dogs. A comparison with urapidil. Beck A, et al. **Basic Res Cardiol** 1984 Sep-Oct;79(5):579-87

Prevention of the 'no reflow' phenomenon in the canine heart by mioflazine. Flameng W, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):27-36

Effect of the calcium entry blocker, flunarizine, on ruthenium red uptake by endothelial cells following acute electrical stimulation of rabbit carotid arteries. Viele D, et al. **Basic Res Cardiol** 1985 Jan-Feb;80(1):59-65

1-(5-Isoquinolinesulfonyl)-2-methylpiperazine (H-7) is a selective inhibitor of protein kinase C in rabbit platelets. Kawamoto S, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):258-64

Inhibition of calmodulin-dependent cyclic nucleotide phosphodiesterase by flunarizine, a calcium-entry blocker. Kubo K, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):315-21

2-(4-methyl-1-piperazinylmethyl) acrylophenone dihydrochloride: a new antimicrotubular drug. Mallevais ML, et al. **Biochimie** 1984 Jun;66(6):477-82

An alpha-adrenoceptor-blocking action of SGB-483, a new piperazine antihypertensive agent in isolated vascular smooth muscles. Satake N, et al. **Blood Vessels** 1984;21(6):298-305

Hexaprazol: a new antiulcer drug with a cytoprotective action. Scuri R, et al. **Boll Chim Farm** 1984 Sep;123(9):425-38

The effect of posture at the time of administration on the central depressant effects of the new hypnotic zopiclone. Channer KS, et al. **Br J Clin Pharmacol** 1984 Dec;18(6):879-86

Pituitary secretion after administration of a new cerebroactive drug, fipexide. Rolandi E, et al. **Br J Clin Pharmacol** 1984 Aug;18(2):236-9

An evaluation of possible interactions between ethanol and trazodone or amitriptyline. Warrington SJ, et al. **Br J Clin Pharmacol** 1984 Oct;18(4):549-57

Vasoactivity of trimetazidine on guinea-pig isolated ductus arteriosus. Garnier D, et al. **Br J Pharmacol** 1985 Feb;84(2):517-24

gamma-Aminobutyric acid- and piperazine-activated single-channel currents from Ascaris suum body muscle. Martin RJ. **Br J Pharmacol** 1985 Feb;84(2):445-61

Insensitivity of calcium-dependent endothelial stimulation in rat isolated aorta to the calcium entry blocker, flunarizine. Miller RC, et al. **Br J Pharmacol** 1985 Jun;85(2):481-7

Effects of TRH, cyclo-(His-Pro) and (3-Me-His2)TRH on identified septohippocampal neurons in the rat. Lamour Y, et al. **Brain Res** 1985 Apr 8;331(2):343-7

Acute effects of almitrine infusion on pulmonary haemodynamics in normal man. Gluskowski J, et al. **Bull Eur Physiopathol Respir** 1984 Jul-Aug;20(4):313-7

Comparison of the effectiveness of (+/-)-1,2-bis(3,5-dioxopiperazinyl-1-yl)propane (ICRF-187) and N-acetylcysteine in preventing chronic doxorubicin cardiotoxicity in beagles. Herman EH, et al.

Cancer Res 1985 Jan;45(1):276-81

Kinetic analysis of drug-induced G2 block in vitro. Kimmel M, et al. **Cell Tissue Kinet** 1985 Jan;18(1):91-110

Brainstem auditory evoked potentials in migraine patients in basal conditions and after chronic flunarizine treatment. Bussone G, et al. **Cephalalgia** 1985 May;5 Suppl 2:177-80

Hormonal and metabolic changes induced by flunarizine therapy: preliminary results. Cortelli P, et al. **Cephalalgia** 1985 May;5 Suppl 2:185-6

Neuroendocrine and behavioral effects of flunarizine in young and old rats. Drago F, et al. **Cephalalgia** 1985 May; 5 Suppl 2:125-9

Neuroendocrine effects of flunarizine treatment in postmenopausal women. Facchinetti F, et al. **Cephalalgia** 1985 May;5 Suppl 2:187-8

Influence of flunarizine on the altered electronystagmographic (ENG) recordings in migraine. Pini LA, et al. **Cephalalgia** 1985 May;5 Suppl 2:173-5

The effects of flunarizine in experimental models related to the pathogenesis of migraine. Wauquier A, et al. **Cephalalgia** 1985 May;5 Suppl 2:119-23

Pharmacological activities of the antihypertensive drug urapidil in the rat. Verberne AJ, et al. **Clin Exp Pharmacol Physiol** 1984 Jul-Aug;11(4):407-11

Dynamic responses to intravenous urapidil and dihydralazine in normal subjects. Belz GG, et al. **Clin Pharmacol Ther** 1985 Jan;37(1):48-54

Ventilatory and cardiovascular responses of the unanaesthetized chicken, Gallus domesticus, to the respiratory stimulants etamiphylline and almitrine. Gleeson M, et al. **Comp Biochem Physiol [C]** 1985;81(2):367-74

Suriclone, a new anxiolytic of the cyclopyrrolone family: evidence for possible interference with GABAergic systems. Boireau A, et al. **Eur J Pharmacol** 1984 Sep 3; 104(1-2):139-44

Interaction of the antihypertensive drug urapidil with cardiac beta-adrenoceptors in vitro. Freissmuth M, et al. **Eur J Pharmacol** 1984 Sep 3;104(1-2):169-72

Behavioral properties of GBR 12909, GBR 13069 and GBR 13098: specific inhibitors of dopamine uptake. Heikkila RE, et al. **Eur J Pharmacol** 1984 Aug 17;103(3-4):241-8

The antinociceptive effects of histidyl-proline diketopiperazine and thyrotropin-releasing hormone in the mouse. Kawamura S, et al. **Eur J Pharmacol** 1985 Jun 19; 112(3):287-94

Ventrolateral medullary respiratory neurons and peripheral chemoreceptor stimulation by almitrine. Laubie M, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):437-42

Central actions of AD-1211, an analgesic lacking common opiate features. Nakamura H, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):345-56

The effects of lidoflazine and flunarizine on cerebral reactive hyperemia. Phillis JW, et al. **Eur J Pharmacol** 1985 Jun 19;112(3):323-9

Effects of urapidil, clonidine, prazosin and propranolol on autonomic nerve activity, blood pressure and heart rate in anaesthetized rats and cats. Sanders KH, et al. **Eur J Pharmacol** 1985 Apr 2;110(2):181-90

Effect of urapidil on beta-adrenoceptors of rat atria. Verberne AJ, et al. **Eur J Pharmacol** 1985 Jan 22; 108(2):193-6

N-(3-acetylaminophenyl)piperazine hydrochloride (BEA 1654), a putative 5-HT1 agonist, causes constriction of arteriovenous anastomoses and dilatation of arterioles. Verdouw PD, et al. **Eur J Pharmacol** 1985 Jan 8; 107(3):337-46

Central thermoregulatory effect of 1, 1 dimethyl-4-phenyl piperazine iodide. Saxena P, et al. **Indian J Med Res** 1985 May;81:514-9

Pharmacologic studies of the central action of zopiclone: effects on locomotor activity and brain monoamines in rats. Liu HJ, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Mar; 23(3):121-8

Pharmacologic studies of central actions of zopiclone: influence on brain monoamines in rats under stressful condition. Sato K, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Apr;23(4):204-10

Interaction of radiation and AT 1727 in HeLa S-3 cells in culture. He SQ, et al. **Int J Radiat Oncol Biol Phys** 1985 Jun;11(6):1137-42

Studies on the possible mechanisms of lidoflazine arrhythmogenicity. Keren G, et al. **J Am Coll Cardiol** 1984 Oct;4(4):742-7

Respiration of conscious kittens in acute hypoxia and effect of almitrine bismesylate. McCooke HB, et al. **J Appl Physiol** 1985 Jul;59(1):18-23

Effects of almitrine on hypoglossal and phrenic electroneurograms. Weese-Mayer DE, et al. **J Appl Physiol** 1985 Jul;59(1):105-12

Serotonin secretion from human platelets may be modified by Ca2+-activated, phospholipid-dependent myosin phosphorylation. Inagaki M, et al. **J Biol Chem** 1984 Dec 10;259(23):14321-3

Suppression of reflex tachycardia following alpha-adrenoceptor blockade in conscious dogs: comparison of urapidil with prazosin. Shebuski RJ, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct;6(5):788-94

Post-synaptic alpha-blockade and brachial artery compliance in essential hypertension. Levenson J, et al. **J Hypertens** 1984 Feb;2(1):37-41

Determination of role of sympathetic and renin-angiotensin systems in Goldblatt hypertension with urapidil and captopril. Zimmerman BG. **J Hypertens** 1984 Oct; 2(5):485-91

Piribedil and platelet aggregation. Vairo G, et al. **J Med** 1984; 15(1):75-80

N-phenylpiperazine derivatives with hypocholesterolemic activity. Cascio G, et al. **J Med Chem** 1985 Jun;28(6):815-8

Artificial siderophores. 2. Syntheses of trihydroxamate analogues of rhodotorulic acid and their biological iron transport capabilities in Escherichia coli. Lee BH, et al. **J Med Chem** 1985 Mar;28(3):323-7

Synthesis and antiallergic activity of some quinolinones and imidazoquinolinones. Peet NP, et al. **J Med Chem** 1985 Mar;28(3):298-302

Stereoselective antitumor properties in the Lewis lung carcinoma model using bis(morpholinomethyl) derivatives of tricyclic bis(dioxopiperazines). Witiak DT, et al. **J Med Chem** 1985 Aug;28(8):1111-3

Nicotinic stimulation of [3H]acetylcholine release from mouse cerebral cortical synaptosomes. Rowell PP, et al. **J Neurochem** 1984 Dec;43(6):1593-8

Prolongation of thiopentone-induced sleep by trazodone and its metabolite, m-chlorophenylpiperazine. Adamus A, et al. **J Pharm Pharmacol** 1985 Jul;37(7):504-6

Effects of adrenoceptor antagonists and neuronal uptake inhibitors on dimethylphenylpiperazinium-induced release of catecholamines from the rabbit isolated adrenal gland and guinea-pig atria. Collett AR, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):379-86

Cardiovascular effects of losulazine hydrochloride, a peripheral norepinephrine-depleting agent, in nonhuman primates. Pals DT, et al. **J Pharmacol Exp Ther** 1985 Feb; 232(2):407-12

Behavioral effects of nonbenzodiazepine anxiolytic drugs: a comparison of CGS 9896 and zopiclone with chlordiazepoxide. Sanger DJ, et al. **J Pharmacol Exp Ther** 1985 Mar;232(3):831-7

Suppression of reflex tachycardia by central administration of the alpha-1 adrenoceptor antagonists urapidil and prazosin in anesthetized dogs. Shebuski RJ, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):456-62

Effects of the calcium antagonists perhexiline and cinnarizine on vascular and cardiac contractile protein function. Silver PJ, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):629-35

Effect of new chymotrypsin inhibitor (FK-448) on intestinal absorption of insulin [letter] Shinomiya M, et al. **Lancet** 1985 May 11;1(8437):1092-3

Unresponsiveness of GH cells to cyclo(histidyl-proline), a metabolite of thyrotropin releasing hormone. Battaini F, et al. **Life Sci** 1984 Dec 17;35(25):2519-27

Development of selective tolerance to the serotonin behavioral syndrome and suppression of locomotor activity after repeated administration of either 5-MeODMT or mCPP. Sills MA, et al. **Life Sci** 1985 Jul 1;36(26):2463-9

Effect of hydroxyethylpiperazine N-2 ethane sulphonic acid (HEPES) on the thrombin clotting time and fibrin polymerisation. Francis JL, et al. **Med Lab Sci** 1984 Jul; 41(3):226-31

The effects of buspirone, BMY-13805 and 1-(2-pyrimidinyl)-piperazine on cat spinal reflexes. Matheson GK, et al. **Methods Find Exp Clin Pharmacol** 1985 May;7(5):231-8

DPI 201-106, a novel cardioactive agent. Combination of cAMP-independent positive inotropic, negative chronotropic, action potential prolonging and coronary dilatory properties. Scholtysik G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 May; 329(3):316-25

Effects of zopiclone and benzodiazepine hypnotics on search in short-term memory. Subhan Z, et al. **Neuropsychobiology** 1984;12(4):244-8

Phosphono dipeptides and piperazine derivatives as antagonists of amino acid-induced and synaptic excitation in mammalian and amphibian spinal cord. Davies J, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):79-84

Downregulation of adrenocortical cyclo (His-Pro)-binding sites by cyclo (His-Pro) administration to neonatal but not adult rats. Prasad C, et al. **Neurosci Lett** 1984 Aug 24; 49(1-2):165-9

Fluprazine hydrochloride decreases copulation in male rats. Flannelly KJ, et al. **Pharmacol Biochem Behav** 1985 Jan; 22(1):1-4

The role of trazodone metabolism in its inhibitory action on avoidance response. Sansone M, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):137-40

Intraventricular administration of cyclo(His-Pro), a metabolite of thyrotropin-releasing hormone (TRH), decreases water intake in the rat. Ishihara H, et al. **Proc Soc Exp Biol Med** 1985 Apr;178(4):623-8

Prejunctional alpha 2-adrenoceptor mediated inhibitory action of clonidine and B-HT 920, but not urapidil in guinea pig ileum. Shebuski RJ, et al. **Proc Soc Exp Biol Med** 1985 Jan;178(1):133-8

Serenics: the pharmacology of fluprazine and DU 28412. Bradford LD, et al. **Prog Clin Biol Res** 1984;167:191-207

Effects of a new psychoactive drug (DU 27716) on different models of rat agonistic behaviour and EEG. Olivier B, et al. **Prog Clin Biol Res** 1984;169:261-79

Anti-aggressive effects of DU 27716 on attack and defensive behaviors in male mice. Racine MA, et al. **Prog Clin Biol Res** 1984;169:281-93

A new postsynaptic serotonin receptor agonist suitable for studies in humans. Mueller EA, et al. **Psychopharmacol Bull** 1985;21(3):701-4

Yawning elicited by systemic and intrastriatal injection of piribedil and apomorphine in the rat. Dourish CT, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):175-81

Maternal aggression in rats: effects of chlordiazepoxide and fluprazine. Olivier B, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):68-76

The comparative long-term effects of ciladopa (AY-27,110), a chemically novel dopaminergic agonist, in 6-OHDA-lesioned and intact rats. Voith K. **Psychopharmacology (Berlin)** 1985;85(4):405-9

Comparison of the protective effect of ICRF-187 and structurally related analogues against acute daunorubicin toxicity in Syrian golden hamsters. Herman EH, et al. **Res Commun Chem Pathol Pharmacol** 1985 Apr;48(1):39-55

Trazodone, a nontricyclic antidepressant, is an inhibitor of adenosine deaminase. Sheid B. **Res Commun Chem Pathol Pharmacol** 1985 Jan; 47(1):149-52

Effect of trazodone on oxidative metabolism of rat brain in vitro. Velasco A, et al. **Rev Esp Fisiol** 1985 Jun;41(2):201-5

Histidyl-proline diketopiperazine [cyclo(His-Pro)]: a new neuropeptide modulator of insulin and glucagon secretion. Wilber JF, et al. **Trans Assoc Am Physicians** 1984;97:88-94

[Acute hypotensive effect of a central dopaminergic agonist, piribedil, administered intravenously in the normotensive human] Ziegler M, et al. **Arch Mal Coeur** 1984 Oct; 77(11):1186-90 (Eng. Abstr.) **(Fre)**

[Effect of almitrine administered by the oral route on levels of 2,3-diphosphoglycerate and on the affinity of hemoglobin for oxygen in healthy subjects] Clerbaux T, et al. **Pathol Biol (Paris)** 1985 Feb;33(2):129-32 (Eng. Abstr.) **(Fre)**

[Influence of almitrine dimesylate on gas exchange. Preliminary results in patients with chronic obstructive bronchopneumopathies under artificial ventilation] Castaing Y, et al. **Presse Med** 1984 Oct 4;13(34):2078-82 (Eng. Abstr.) **(Fre)**

[Pharmacological properties of almitrine dimesylate. Effects on the ventilation-perfusion ratio] Evrard Y. **Presse Med** 1984 Oct 4;13(34):2063-9 (31 ref.) (Eng. Abstr.) **(Fre)**

[The almitrine dimesylate molecule. Various structure-activity relationship aspects] Labrid C, et al. **Presse Med** 1984 Oct 4;13(34):2059-62 (Eng. Abstr.) **(Fre)**

[Originality of the mode of action of almitrine dimesylate] Tellier P. **Presse Med** 1984 Oct 4;13(34):2083-9 (36 ref.) (Eng. Abstr.) **(Fre)**

[Agents to improve cerebrovascular circulation and cerebral metabolism--cinepazide] Fujishima M. **Nippon Rinsho** 1985 Feb;43(2):379-82 **(Jpn)**

[Agents to improve cerebrovascular circulation and cerebral metabolism--flunarizine] Kurihara J, et al. **Nippon Rinsho** 1985 Feb;43(2):402-5 (25 ref.) **(Jpn)**

[Central pharmacological activity of new piperazine derivatives] Zebrowska-Lupina I, et al. **Acta Pol Pharm** 1984;41(6):679-85 (Eng. Abstr.) **(Pol)**

[Effect of spirobramin and prospidin on immunogenesis] Gol'dberg ED, et al. **Farmakol Toksikol** 1984 Nov-Dec; 47(6):56-9 (Eng. Abstr.) **(Rus)**

[Use of the steroid muscle relaxant arduan in surgical interventions on the musculoskeletal system] Pashchuk AIu, et al. **Ortop Travmatol Protez** 1984 Dec;(12):20-2 (Eng. Abstr.) **(Rus)**

[Repair of the nucleoid of sarcoma 37 cells in vitro or in vivo. The effect of HEPES buffer] Synzynys BI, et al. **Radiobiologiia** 1984 Sep-Oct;24(5):641-2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Ontogeny of thyrotropin-releasing hormone and histidyl proline diketopiperazine in the rat central nervous system and pancreas. Lamberton RP, et al. **Endocrinology** 1984 Dec;115(6):2400-5

POISONING

Toxicity and elimination of trazodone after overdose. Hassan E, et al. **Clin Pharm** 1985 Jan-Feb;4(1):97-100

THERAPEUTIC USE

Trazodone. A comparative clinical and predictive study. Kerr TA, et al. **Acta Psychiatr Scand** 1984 Dec;70(6):573-7

A trial of tiaramide in asthma. Harvey JE, et al. **Allergy** 1985 Apr;40(3):198-201

Immediate hemodynamic effects of urapidil in patients with essential hypertension. Kobrin I, et al. **Am J Cardiol** 1985 Mar 1;55(6):722-5

Improved short-term neurological recovery with flunarizine in a canine model of cardiac arrest. Edmonds HL Jr, et al. **Am J Emerg Med** 1985 Mar;3(2):150-5

Neurological recovery after cardiac arrest: clinical feasibility trial of calcium blockers. Schwartz AC. **Am J Emerg Med** 1985 Jan;3(1):1-10

Systemic and regional hemodynamic effects of acute and prolonged treatment with urapidil or prazosin in normotensive and spontaneously hypertensive rats. Pegram BL, et al. **Am J Med** 1984 Oct 5;77(4A):64-73

Central and peripheral cardiovascular actions of urapidil in normotensive and Goldblatt hypertensive animals. Zeigler DW, et al. **Am J Med** 1984 Oct 5;77(4A):81-6

Almitrine improves oxygenation when both awake and asleep in patients with hypoxia and carbon dioxide retention caused by chronic bronchitis and emphysema. Connaughton JJ, et al. **Am Rev Respir Dis** 1985 Aug; 132(2):206–10

Trazodone and cocaine abuse [letter] Small GW, et al. **Arch Gen Psychiatry** 1985 May;42(5):524

Evaluation of paste formulations of fenbendazole plus piperazine against benzimidazole-resistant cyathostomes in horses. Barger IA, et al. **Aust Vet J** 1985 Apr;62(4):139–40

Reduced survival with radiotherapy and razoxane compared with radiotherapy alone for inoperable lung cancer in a randomised double-blind trial. Newman CE, et al. **Br J Cancer** 1985 May;51(5):731–2

Zopiclone: a non-benzodiazepine hypnotic. Controlled comparison to temazepam in insomnia. Wheatley D. **Br J Psychiatry** 1985 Mar;146:312–4

Seasickness treatment with cinnarizine. Dolmierski R. **Bull Inst Marit Trop Med Gdynia** 1983;34(3–4):215–6

A trial of razoxane (ICRF-159) in patients with prior therapy for Hodgkin's lymphoma. Corder MP, et al. **Cancer** 1984 Oct 15;54(8):1496–8

Phase II trials of hexamethylmelamine, dianhydrogalactitol, razoxane, and beta-2'-deoxythioguanosine as single agents against advanced measurable tumors of the pancreas. Gastrointestinal Tumor Study Group. **Cancer Treat Rep** 1985 Jun;69(6):713–6

Eastern Cooperative Oncology Group phase II studies in advanced measurable colorectal cancer. I. Razoxane, Yoshi-864, piperazinedione, and lomustine. Douglass HO Jr, et al. **Cancer Treat Rep** 1985 May;69(5):543–5

Flunarizine in common migraine: Italian cooperative trial. II. Long-term follow-up. Bono G, et al. **Cephalalgia** 1985 May;5 Suppl 2:155–8

Efficacy and tolerability of flunarizine in the prophylaxis of migraine. Centonze V, et al. **Cephalalgia** 1985 May;5 Suppl 2:165–8

Erythrocyte deformability changes in headache patients under flunarizine treatment. Covelli V, et al. **Cephalalgia** 1985 May;5 Suppl 2:159–61

Drugs and platelet activation in migraine and transient ischemic attacks. D'Andrea G, et al. **Cephalalgia** 1985 May; 5 Suppl 2:103–8

Telethermographic investigations in migraine patients before and after flunarizine treatment. Giacovazzo M, et al. **Cephalalgia** 1985 May;5 Suppl 2:169–71

Flunarizine in common migraine: Italian cooperative trial. I. Short-term results and responders' definition. Manzoni GC, et al. **Cephalalgia** 1985 May;5 Suppl 2:149–53

Flunarizine in the prevention of classical migraine: a placebo-controlled evaluation. Mendenopoulos G, et al. **Cephalalgia** 1985 Mar;5(1):31–7

Flunarizine in the prevention of classical migraine: a placebo-controlled evaluation. Mentenopoulos G, et al. **Cephalalgia** 1985 May;5 Suppl 2:135–40

Antimigraine drugs in the management of daily chronic headaches: clinical profiles of responsive patients. Micieli G, et al. **Cephalalgia** 1985 May;5 Suppl 2:219–24

Flunarizine in the treatment of headache with or without neurological symptoms. Nattero G, et al. **Cephalalgia** 1985 May;5 Suppl 2:141–3

Losulazine, a new antihypertensive. Gore R, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):195–8

Amelioration of brain damage by lidoflazine after prolonged ventricular fibrillation cardiac arrest in dogs. Vaagenes P, et al. **Crit Care Med** 1984 Oct;12(10):846–55

Comparison of trazodone and mianserin in depressive illness. Bennie EH, et al. **Curr Med Res Opin** 1984;9(4):253–8

Comparison of oxatomide and clemastine in the treatment of chronic urticaria. A double blind study. Beck HI, et al. **Dermatologica** 1985;171(1):49–51

Oxatomide in the treatment of pruritus senilis. A double-blind placebo-controlled trial. Dupont C, et al. **Dermatologica** 1984;169(6):348–53

Acute haemodynamic and myocardial metabolic effects of intravenous urapidil in severe heart failure. Wang RY, et al. **Eur Heart J** 1984 Sep;5(9):745–51

Comparison of phentolamine and urapidil in controlling acute intra-operative hypertension in patients subjected to coronary artery bypass surgery. Hess W, et al. **Eur J Anaesthesiol** 1985 Mar;2(1):21–7

Further evaluation of bimolane and analogs as potential antitumor agents. Ren YF, et al. **Eur J Cancer Clin Oncol** 1985 Apr;21(4):493–7

Antihypertensive effects of urapidil and clonidine: a double-blind cross-over study. Kanniainen E, et al. **Eur J Clin Pharmacol** 1985;28(1):35–9

Urapidil therapy for acute hypertensive crises in infants and children. Schöber JG, et al. **Eur J Pediatr** 1984 Dec; 143(2):87–91

Action of suriclone in naturally and allyglycine-induced photosensitive baboons, Papio papio. Stutzmann JM, et al. **Exp Neurol** 1984 Nov;86(2):379–87

Flunarizine, a calcium entry blocker in migraine prophylaxis. Amery WK, et al. **Headache** 1985 Jul;25(5):249–54

A comparative evaluation of mebendazole, piperazine and pyrantel in threadworm infection. Anthelmintic Study Group on Enterobiasis. **Indian Pediatr** 1984 Aug; 21(8):623–8

Chronic alpha-adrenoceptor blockade with trimazosin in congestive heart failure. Kirlin PC, et al. **Int J Cardiol** 1985 May;8(1):89–92

Flunarizine: a wide spectrum prophylactic for migraine headache. Micieli G, et al. **Int J Clin Pharmacol Res** 1984; 4(3):239–45

Treatment of asthma syndromes in pediatric patients using a combination of a beta 2-stimulant drug and a histamine antagonist. Bianchi G. **Int J Clin Pharmacol Ther Toxicol** 1985 Jan;23(1):56–8

Bronchospasm: prevention and treatment. Ghiringhelli P. **Int J Clin Pharmacol Ther Toxicol** 1985 Jan;23(1):52–5

Preliminary report on AT1727 as a potential radiosensitizer. Zhang ZY, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec; 10(12):2305–7

Comparison of cinnarizine, cyproheptadine, doxepin, and hydroxyzine in treatment of idiopathic cold urticaria: usefulness of doxepin. Neittaanmäki H, et al. **J Am Acad Dermatol** 1984 Sep;11(3):483–9

Evaluation of febantel used concurrently with piperazine citrate in horses. DiPietro JA, et al. **J Am Vet Med Assoc** 1985 Feb 1;186(3):262–4

Studies of potential filaricides: Part 14—Activity of 1-iso-butoxycarbonyl-4-methylpiperazine against experimental filariasis. Rastogi R, et al. **J Helminthol** 1984 Sep;58(3):251–4

Urapidil in normotensive and spontaneously hypertensive rats: the effects on systemic and regional haemodynamics and cardiac mass. Kobrin I, et al. **J Hypertens** 1984 Jun; 2(3):317–20

Two cases of obsessive-compulsive disorder with depression responsive to trazodone. Baxter LR Jr. **J Nerv Ment Dis** 1985 Jul;173(7):432–3

Almitrine in chronic airflow obstruction [editorial] **Lancet** 1985 Apr 6;1(8432):796–7

Amelioration of ischaemic brain damage by postischaemic treatment with flunarizine. Deshpande JK, et al. **Neurol Res** 1985 Mar;7(1):27–9

Effect of bilateral olfactory bulbectomy in the rat, alone or in combination with antidepressants, on the learned immobility model of depression. Górka Z, et al. **Neuropsychobiology** 1985;13(1–2):26–30

Anticonvulsant activity of two novel piperazine derivatives with potent kainate antagonist activity. Chapman AG, et al. **Neurosci Lett** 1985 Apr 19;55(3):325–30

Efficacy of trazodone as an anti obsessional agent. Prasad A. **Pharmacol Biochem Behav** 1985 Feb;22(2):347–8

Global incomplete ischemia in dogs assessed by quantitative EEG analysis. Effects of hypnotics and flunarizine. Wauquier A, et al. **Prog Brain Res** 1984;62:217–33

Trazodone in endogenous depressed patients: a negative report and a critical evaluation of the pertaining literature. Klein HE, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985; 9(2):173–86

The effects of physical training and flunarizine on walking capacity in intermittent claudication. Lepäntalo M, et al. **Scand J Rehabil Med** 1984;16(4):159–62

A comparison of atenolol and long-acting trimazosin in mild to moderate essential hypertension. Webb DJ, et al. **Scott Med J** 1985 Apr;30(2):106–10

[Application of bis-diketopiperazine in the treatment of acute leukemia and other malignant blood disorders] Yang QE, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1984 Feb;6(1):17–20 (Eng. Abstr.) **(Chi)**

[Evaluation of the therapeutic efficacy of vastarel 20 mg (trimetazidine) in cochleovestibular syndromes. A double-blind study versus placebo] Wayoff M. **Ann Otolaryngol Chir Cervicofac** 1984;101(7):565–9 (Eng. Abstr.) **(Fre)**

[Double-blind study on the action of almitrine in patients with polycythemia of high altitude] Villena M, et al. **Bull Eur Physiopathol Respir** 1985 Mar–Apr;21(2):165–70 (Eng. Abstr.) **(Fre)**

[Chronic bronchopneumopathies. A new therapeutic approach (editorial)] Chrétien J. **Presse Med** 1984 Oct 4; 13(34):2043–4 **(Fre)**

[Long-term (6 months) treatment of chronic bronchitis with respiratory insufficiency using almitrine dimesylate. Double-blind study versus placebo] Paramelle B, et al. **Presse Med** 1984 Oct 4;13(34):2094–8 (Eng. Abstr.) **(Fre)**

[Should arterial gas values be improved in patients with chronic bronchitic respiratory insufficiency? Value of almitrine dimesylate] Prefaut C. **Presse Med** 1984 Oct 4; 13(34):2090–3 (Eng. Abstr.) **(Fre)**

[Almitrine dimesylate: deductions and therapeutic prospects] Tellier P, et al. **Presse Med** 1984 Oct 4;13(34):2099–103 (Eng. Abstr.) **(Fre)**

[Pulmonary hemodynamic monitoring in chronic respiratory insufficiency treated with almitrine bismesilate for 4 months in a double-blind study] Bourgouin-Karaouni D, et al. **Rev Mal Respir** 1984;1(4):245–50 (Eng. Abstr.) **(Fre)**

[Effect of almitrine and oxygen on arterial blood gases in chronic respiratory insufficiency] Magnussen H. **Dtsch Med Wochenschr** 1985 Jan 4;110(1):20–3 (Eng. Abstr.) **(Ger)**

[Effect of almitrine on arterial blood gases in 3 patients with homozygotic alpha 1-antitrypsin deficiency (letter)] Meyer-Madaus H, et al. **Dtsch Med Wochenschr** 1985 Mar 15;110(11):436–8 **(Ger)**

[Calcium blockers in the therapy of vertebrobasilar insufficiency. Results of animal experiments and clinical studies] Hofferberth B. **Fortschr Med** 1984 Jul 26; 102(27–28):725–8 (Eng. Abstr.) **(Ger)**

[Nocturnal hypoxemia and hypercapnia in patients with chronic obstructive ventilation disorder. Therapy with almitrine, a peripheral chemoreceptor stimulator] Rühle KH, et al. **Prax Klin Pneumol** 1985 Jun;39(6):197–203 (Eng. Abstr.) **(Ger)**

[Comparison of the antilipemic effect of bezafibrate with that of piperazine-sultosilate (A 585). A crossed double-blind study] Vinazzer H. **Wien Klin Wochenschr** 1984 Dec 21; 96(24):889–93 (Eng. Abstr.) **(Ger)**

[Flunarizine in the therapy of chronic cerebrovascular insufficiency. Multicentric controlled study] Arrigo A, et al. **Clin Ter** 1984 Sep 30;110(6):541–8 (Eng. Abstr.) **(Ita)**

[Rheologic therapy of peripheral arteriopathies. Personal observations on the use of flunarizin] Palleschi M, et al. **Clin Ter** 1984 Aug 15;110(3):215–20 (Eng. Abstr.) **(Ita)**

[Flunarizine in the treatment of arteriopathies of the legs] Catalano M, et al. **Ric Clin Lab** 1985;15 Suppl 1:475–8 (Eng. Abstr.) **(Ita)**

[Double-blind clinical study: flunarizine versus pizotifen in a single nightly dose in hemicrania patients] Cerbo R, et al. **Riv Neurol** 1985 Mar–Apr;55(2):139–46 (Eng. Abstr.) **(Ita)**

[Action of trazodone on pyramidal hypertension. Clinical study] Montanini R, et al. **Riv Neurol** 1984 Nov–Dec; 54(6):367–73 (Eng. Abstr.) **(Ita)**

[Antinephritic effect of trimetazidine on nephrotic-type and crescentic-type anti-GBM nephritis in rats] Suzuki Y, et al. **Nippon Jinzo Gakkai Shi** 1985 Feb;27(2):209–19 (Eng. Abstr.) **(Jpn)**

[Treatment of hypertensive crisis with ebrantil (urapidil)] Mleczko-Nycz Z, et al. **Wiad Lek** 1984 Jun 1;37(11):817–20 (Eng. Abstr.) **(Pol)**

TOXICITY

Electrophysiological and haemodynamic changes with trazodone, amitriptyline and placebo in depressed out-patients. Van de Merwe TJ, et al. **Curr Med Res Opin** 1984;9(5):339–52

Terazosin: intravenous safety evaluation in rats. Fort FL, et al. **Drug Chem Toxicol** 1984;7(5):435–49

HEPES may stimulate cultured endothelial cells to make growth-retarding oxygen metabolites. Bowman CM, et al. **In Vitro Cell Dev Biol** 1985 Mar;21(3 Pt 1):140–2

PIPERIDINES

ADMINISTRATION & DOSAGE

Treatment with oral lorcainide in patients with sustained ventricular tachycardia and fibrillation. Echt DS, et al. **Am Heart J** 1985 Jan;109(1):28–33

Ketanserin in combination with beta-adrenergic receptor blocking agents in the treatment of essential hypertension. Hedner T, et al. **Br J Clin Pharmacol** 1984 Nov; 18(5):765–71

Effect of anticholinergics on tardive dyskinesia. A controlled discontinuation study. Greil W, et al. **Br J Psychiatry** 1984 Sep;145:304–10

Antiarrhythmic therapy with flecainide in combination and comparison with propranolol. Stern H, et al. **Drugs** 1985; 29 Suppl 4:77–85

ADVERSE EFFECTS

Hyponatremia in patients treated with lorcainide, a new antiarrhythmic drug. Somani P, et al. **Am Heart J** 1984 Dec;108(6):1443–8

Flecainide-induced aggravation of ventricular arrhythmias. Wehr M, et al. **Am J Cardiol** 1985 Jun 1;55(13 Pt 1):1643–4

The proarrhythmic effects of flecainide. Nathan AW, et al. **Drugs** 1985;29 Suppl 4:45–53

Ketanserin in intermittent claudication [letter] Fonseca V, et al. **Lancet** 1984 Nov 24;2(8413):1212–3

Femoxetine and eye function. A study of possible anticholinergic side effects. Jeppesen KV, et al. **Pharmacopsychiatry** 1985 May;18(3):231–4

[Hepatitis and pancreatitis due to indalpine] Calmus Y, et al. **Gastroenterol Clin Biol** 1985 Mar;9(3):266–8 (Eng. Abstr.) **(Fre)**

[Hematologic disorders (acute agranulocytosis) during treatment with indalpine (letter)] Grosbois B, et al. **Presse Med** 1985 Jan 26;14(3):163–4 **(Fre)**

[Drug flush. Possible role of indalpine overdosage (letter)] Manigand G, et al. **Presse Med** 1985 Apr 13;14(15):841 **(Fre)**

[A cerebellar syndrome and auditory hallucinations in a depressive alcoholic following indalpine treatment (letter)] Maroy B, et al. **Therapie** 1985 Mar–Apr;40(2):137 **(Fre)**

[Cholestatic jaundice during flecainide therapy (letter)] Hopmann G, et al. **Dtsch Med Wochenschr** 1984 Nov 30; 109(48):1863 **(Ger)**

ANALYSIS

Determination of piperine in biological tissues by thin-layer chromatography and ultraviolet absorption densitometry. Bhat BG, et al. **J Chromatogr** 1985 Feb 27;338(1):259–63

Simultaneous determination of ketanserin and ketanserinol in biological fluids using ion-pair liquid chromatography and fluorometric detection. Kurowski M. **J Chromatogr** 1985 May 31;341(1):208–12

Quantitation of flecainide acetate, a new antiarrhythmic agent, in biological fluids by gas chromatography with electron-capture detection. Johnson JD, et al. **J Pharm Sci** 1984 Oct;73(10):1469-71

Fluorimetric and colorimetric determination of bamipine hydrochloride and its tablets. Barary MH, et al. **Pharmazie** 1984 Oct;39(10):706

BLOOD

Chronic lorcainide therapy for symptomatic premature ventricular complexes: efficacy, pharmacokinetics and evidence for norlorcainide antiarrhythmic effect. Mead RH, et al. **Am J Cardiol** 1985 Jan 1;55(1):72-8

Capillary gas chromatographic determination of biperiden in human plasma. Le Bris T, et al. **Arzneimittelforsch** 1985; 35(1):149-51

Plasma concentrations of flecainide acetate, a new antiarrhythmic agent, in humans. Conard GJ, et al. **Clin Ther** 1984;6(5):643-52

The acute changes in serum binding of disopyramide and flecainide after myocardial infarction. Caplin JL, et al. **Eur J Clin Pharmacol** 1985;28(3):253-5

Size determination of binding polymers for [3H]imipramine and [3H]paroxetine in human platelet membranes. Mellerup ET, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):411-3

CHEMICAL SYNTHESIS

Syntheses and biological activities of 1,4-disubstituted piperidines. Gupta KA, et al. **Arch Pharm (Weinheim)** 1984 Dec;317(12):1010-7

Piperidinediones, III. Structure-activity relationships of the enantiomers of a series of 2,6-piperidinedione derivatives. Knabe J, et al. **Arch Pharm (Weinheim)** 1984 Jul; 317(7):614-9

4-(Indolyl-3)-1-(benzimidazolonylalkyl)-piperidines, a novel group of potential antiallergy compounds. Freter K, et al. **Arzneimittelforsch** 1985;35(1A):272-6

Synthesis and structure-activity relationship of spiro[isochroman-piperidine] analogs for inhibition of histamine release. IV. Hashigaki K, et al. **Chem Pharm Bull (Tokyo)** 1984 Sep;32(9):3561-8

Spiropiperidines. I. Synthesis of 1'-substituted spiro[4H-3,1-benzoxazine-4,4'-piperidin]-2(1H)-one derivatives and evaluation of their antihypertensive activity. Takai H, et al. **Chem Pharm Bull (Tokyo)** 1985 Mar;33(3):1129-39

Synthesis of 1- and 3-(1-substituted 4-piperidinyl)-1,2,3,4-tetrahydro-2-oxoquinazolines as potential antihypertensive agents. Takai H, et al. **Chem Pharm Bull (Tokyo)** 1985 Mar;33(3):1116-28

Synthesis and pharmacological evaluation of piperidine derivatives with various heterocyclic rings at the 4-position. Takai H, et al. **Chem Pharm Bull (Tokyo)** 1985 Mar;33(3):1104-15

Structure-activity relationship of 3- and 4-acyloxy-1-(1,3-dioxolan-4-ylmethyl)piperidine derivatives. Yoshida S, et al. **Chem Pharm Bull (Tokyo)** 1985 Feb;33(2):818-22

N-substituted 4,7,7-trimethyl-3-(1-piperidinyl)bicyclo-[2.2.1]hept-2-ene 2-carboxamides and 2-carbothioamides with hypotensive activity. Ranise A, et al. **Farmaco [Sci]** 1985 Feb; 40(2):120-3

Synthesis and neuroleptic activity of 3-(1-substituted-4-piperidinyl)-1,2-benzisoxazoles. Strupczewski JT, et al. **J Med Chem** 1985 Jun;28(6):761-9

1-[3-(Diarylamino)propyl]piperidines and related compounds, potential antipsychotic agents with low cataleptogenic profiles. Wise LD, et al. **J Med Chem** 1985 May;28(5):606-12

Condensation of 1-(4,4-dimethyl-2-piperidon-6-yl)-2-propanone with benzaldehyde derivatives. Czuba W, et al. **Pol J Pharmacol Pharm** 1984 Nov-Dec;36(6):705-13

[Calcium antagonist properties of valperinol] Dose M. **Arzneimittelforsch** 1984;34(11):1464-6 (Eng. Abstr.) **(Ger)**

[The synthesis of valperinol and various 3-aminomethyl derivatives of 2,9-dioxatricyclo[4,3,1,0(3,7)]decane from didrovaltrate] Thies PW, et al. **Arzneimittelforsch** 1984; 34(11):1460-3 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Ketanserin: a possible tool for studying the role of serotonin in hypertension. Woittiez AJ, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S130-6

Magnetic field dependence of spin-lattice relaxation enhancement using piperidinyl nitroxyl spin-labels. Lovin JD, et al. **Magn Reson Imaging** 1985;3(1):73-81

METABOLISM

Femoxetine clearance in patients with liver cirrhosis. Hansen BA, et al. **Acta Pharmacol Toxicol (Copenh)** 1984 Nov; 55(5):386-90

Pharmacokinetics of 3H-pipethiaden after single oral and intravenous administration in rats. Lapka R, et al. **Arzneimittelforsch** 1985;35(2):486-8

Effect of enzyme induction on the disposition of lorcainide in rats following intravenous and oral administration. Plänitz V, et al. **Arzneimittelforsch** 1984;34(6):669-71

Prehepatic and hepatic first-pass metabolism of lorcainide in rats. Plänitz V, et al. **Arzneimittelforschung** 1985; 35(6):923-6

The use and limitations of deuterated lorcainide in metabolism and pharmacokinetic studies. Gelijkens CF, et al. **Biomed Mass Spectrom** 1985 Jan;12(1):38-42

Discovery of altered pharmacokinetics of CGP 15 210 G in poor hydroxylators of debrisoquine during early drug development. Gleiter CH, et al. **Br J Clin Pharmacol** 1985 Jul;20(1):81-4

Biotransformation and elimination of 14C-flecainide acetate in humans. McQuinn RL, et al. **Drug Metab Dispos** 1984 Jul-Aug;12(4):414-20

Excretion and biotransformation of ketanserin after oral and intravenous administration in rats and dogs. Meuldermans W, et al. **Drug Metab Dispos** 1984 Nov-Dec;12(6):772-81

Bioavailability and pharmacokinetics of ketanserin in elderly subjects. Kurowski M. **Eur J Clin Pharmacol** 1985; 28(4):411-7

Estradiol-induced increase of specific [3H]ketanserin binding sites on rat uterine membranes. Ichida S, et al. **Eur J Pharmacol** 1985 Feb 5;108(3):257-64

Photoaffinity labelling of serotonin-S2 receptors with 7-azidoketanserin. Wouters W, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):399-400

Differential photoaffinity labelling of serotonin-S2 receptors and histamine-H1 receptors using 7-azidoketanserin. Wouters W, et al. **FEBS Lett** 1985 Mar 25;182(2):291-6

Recovery of acetylsalicylic acid and indalpine (LM 5008) after buccal partitioning. Blackett A, et al. **Int J Clin Pharmacol Res** 1983;3(1):5-7

Photoaffinity probes for serotonin and histamine receptors. Synthesis and characterization of two azide analogues of ketanserin. Wouters W, et al. **J Biol Chem** 1985 Jul 15; 260(14):8423-9

Quantitative autoradiography of [3H]indalpine binding sites in the rat brain: I. Pharmacological characterization. Bénavidès J, et al. **J Neurochem** 1985 Aug;45(2):514-20

Biosynthesis of 5-aminopentanoic acid and 2-piperidone from cadaverine and 1-piperideine in mouse. Callery PS, et al. **J Neurochem** 1984 Dec;43(6):1631-4

Quantitative autoradiography of [3H]indalpine binding sites in the rat brain: II. Regional distribution. Savaki H, et al. **J Neurochem** 1985 Aug;45(2):521-6

In-vitro and in-vivo metabolism of the presynaptic dopamine agonist 3-PPP to a catecholic analogue in rats. Rollema H, et al. **J Pharm Pharmacol** 1985 May;37(5):314-9

Alpha 1 adrenergic receptors in the porcine pituitary neurointermediate lobe: detection with [3H]ketanserin. Battaglia G, et al. **J Recept Res** 1984;4(7):713-26

Identification of 5HT2-receptors on longitudinal muscle of the guinea pig ileum. Engel G, et al. **J Recept Res** 1984; 4(1-6):113-26

Budipine and the MPTP binding site [letter] Przuntek H, et al. **Lancet** 1985 Jul 6;2(8445):35-6

Different effects of serotonin antagonists on 3H-mianserin and 3H-ketanserin recognition sites. Gandolfi O, et al. **Life Sci** 1985 Feb 25;36(8):713-21

Autoradiographic distribution of [3H]dexoxadrol (a phencyclidine-related ligand) binding sites in rat and human brain. Pilapil C, et al. **Neurosci Lett** 1985 May 1; 56(1):1-6

Disposition and metabolism of a new benzothiophene antiestrogen in rats, dogs and monkeys. Lindstrom TD, et al. **Xenobiotica** 1984 Nov;14(11):841-7

PHARMACODYNAMICS

The haemodynamic effects of labetalol, ketanserin and a placebo at the end of a NLA. A double blind study. Barvais L, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:453-6

Effects of lorcainide and amiodarone on stress-induced myocardial damage in the rat. Milei J, et al. **Acta Cardiol (Brux)** 1984;39(5):341-51

Electrophysiologic effects of flecainide acetate and its major metabolites in the canine heart. Guehler J, et al. **Am J Cardiol** 1985 Mar 1;55(6):807-12

Cardiovascular and blood gas responses to ketanserin in canine pulmonary edema induced by oleic acid. Koyama S, et al. **Anesthesiology** 1985 Apr;62(4):457-61

Mediation of storage and retrieval with two drugs that selectively modulate serotonergic neurotransmission. Altman HJ. **Ann NY Acad Sci** 1985;444:496-8

The electrophysiology and pharmacology of verapamil, flecainide, and amiodarone: correlations with clinical effects and antiarrhythmic actions. Singh BN, et al. **Ann NY Acad Sci** 1984;432:210-35 (81 ref.)

The pentagastrin test in the diagnosis of the carcinoid syndrome. Blockade of gastrointestinal symptoms by ketanserin. Ahlman H, et al. **Ann Surg** 1985 Jan;201(1):81-6

Restoration of post-thrombotic peripheral collateral circulation in the cat by ketanserin, a selective 5-HT2-receptor antagonist. Nevelsteen A, et al. **Arch Int Pharmacodyn Ther** 1984 Aug;270(2):268-79

Cardiovascular effects of ketanserin in closed-chest anesthetized dogs. van de Water A, et al. **Arch Int Pharmacodyn Ther** 1985 Jun;275(2):267-78

Serotonin-induced blood flow changes in the rat hindlegs after unilateral ligation of the femoral artery. Inhibition by the S2 receptor antagonist ketanserin. Verheyen A, et al. **Arch Int Pharmacodyn Ther** 1984 Aug;270(2):280-98

Mechanisms of action of two new immunomodulators. Waymack JP, et al. **Arch Surg** 1985 Jan;120(1):43-8

Disobutamide-induced cytoplasmic vacuoles in cultured dog coronary artery muscle cells. Ruben Z, et al. **Arch Toxicol** 1984 Sep;55(3):206-12

Anti-ulcer and antisecretory activity of selected imidazopiperidines. Arcari G, et al. **Arzneimittelforsch** 1984;34(11):1467-71

Relationship between positive inotropic action and blood levels of denopamine in cats. Naito K, et al. **Arzneimittelforschung** 1985;35(5):833-5

Histamine H2-receptor antagonistic action of N-(3-[3-(1-piperidinylmethyl)phenoxy]propyl)acetoxyace hydrochloride (TZU-0460). Tarutani M, et al. **Arzneimittelforschung** 1985;35(4):703-6

Cardiovascular pharmacology of ketanserin. Van Nueten JM, et al. **Bibl Cardiol** 1984;(38):222-33 (40 ref.)

Inhibition of phospholipid/Ca2+-dependent protein kinase and phosphorylation of leukemic cell proteins by CP-46,665-1, a novel antineoplastic lipoidal amine. Shoji M, et al. **Biochem Biophys Res Commun** 1985 Mar 15; 127(2):590-5

Effects of clonidine, piperoxane and locus coeruleus lesion on the serotonergic and dopaminergic systems in raphe and caudate nucleus. Geyer MA, et al. **Biochem Pharmacol** 1984 Nov 1;33(21):3399-404

Effects of pimozide and penfluridol on the binding and endocytosis of alpha 2-macroglobulin-CH3NH2 by mouse peritoneal macrophages. Key KA, et al. **Biochem Pharmacol** 1984 Nov 15;33(22):3712-4

Stimulation of serotonin synthesis in rat brain after antiepilepsirine, an antiepileptic piperine derivative. Liu GQ, et al. **Biochem Pharmacol** 1984 Dec 1;33(23):3883-6

Inhibition of the gastric (H+ + K+)-ATPase by fenoctimine. Reenstra WW, et al. **Biochem Pharmacol** 1985 Jul 1;34(13):2331-4

Enhancement of divalent anion transport across the human red blood cell membrane by the water-soluble dansyl chloride derivative 2-(N-piperidine)ethylamine-1-naphthyl-5-sulfonylchlorid (PENS-Cl). Raida M, et al. **Biochim Biophys Acta** 1985 Feb 14;812(3):624-32

Gastrin release after endoluminal perfusion with cisapride of the isolated antrum in the pig. Caruso U, et al. **Boll Chim Farm** 1985 Mar;124(3):146-9

A comparison of the effect of paroxetine and amitriptyline on the tyramine pressor response test. Hassan SM, et al. **Br J Clin Pharmacol** 1985 May;19(5):705-6

A search for selective antagonists at M2 muscarinic receptors. Barlow RB, et al. **Br J Pharmacol** 1985 Jun;85(2):427-35

A microiontophoretic study of the actions of the putative sleep factor, piperidine, in the rat brainstem. Horton RC, et al. **Br J Pharmacol** 1985 May;85(1):37-44

Effects of the antagonists MDL 72222 and ketanserin on responses of cat carotid body chemoreceptors to 5-hydroxytryptamine. Kirby GC, et al. **Br J Pharmacol** 1984 Sep;83(1):259-69

Neurotoxicity of dipiperidinoethane due to in vivo conversion to a selective cholinesterase inhibitor. Baron BM, et al. **Brain Res** 1985 Apr 1;331(1):164-7

Cytotoxicity of the alkyl-linked lipoidal amine 4-aminomethyl-1-[2,3-(di-n-decyloxy)-n-propyl]-4-phen (CP-46,665) in cells from human tumors and leukemias. Berdel WE, et al. **Cancer Res** 1985 Mar;45(3):1206-13

Opiate receptor interaction of a new analgesic drug 2-piperidinoethyl dibenzylglycolate. Henichart JP, et al. **Chem Biol Interact** 1985 Feb-Apr;53(1-2):77-87

The effects of alpha 2-adrenergic and serotonergic receptor antagonists on cyclic blood flow alterations in stenosed canine coronary arteries. Bush LR, et al. **Circ Res** 1984 Nov;55(5):642-52

Ketanserin does not prevent ACTH-induced hypertension in sheep. Nelson MA, et al. **Clin Exp Pharmacol Physiol** 1985 Mar-Apr;12(2):155-9

Demonstration of alpha-adrenoceptor antagonism by the 5HT2 antagonist, ketanserin (R49945), in sheep. Nelson MA, et al. **Clin Exp Pharmacol Physiol** 1984 Nov-Dec; 11(6):597-604

Effect of flecainide on cardiac output. Muhiddin KA, et al. **Clin Pharmacol Ther** 1985 Mar;37(3):260-3

Antisecretory activity of fenoctimine in rat and dog. Jacoby HI, et al. **Dig Dis Sci** 1984 Dec;29(12):1131-6

Picenadol. Zimmerman DM, et al. **Drug Alcohol Depend** 1985 Feb;14(3-4):381-401

Haemodynamic and antiarrhythmic effects of intravenous flecainide acetate in chronic congestive heart failure. Dunselman PH, et al. **Drugs** 1985;29 Suppl 4:58-64

Flecainide. A preliminary review of its pharmacodynamic properties and therapeutic efficacy. Holmes B, et al. **Drugs** 1985 Jan;29(1):1-33 (99 ref.)

Estrogen dependence of luteinizing hormone receptor expression in cultured rat granulosa cells. Inhibition of granulosa cell development by the antiestrogens tamoxifen and keoxifene. Knecht M, et al. **Endocrinology** 1985 May; 116(5):1771-7

Cisapride accelerates gastric emptying and mouth-to-caecum transit of a barium meal. Baeyens R, et al. **Eur J Clin Pharmacol** 1984;27(3):315-8

Biperiden effects and plasma levels in volunteers. Hollmann M, et al. **Eur J Clin Pharmacol** 1984;27(5):619-21

Colon motility and colo-anal reflexes in chronic idiopathic constipation. Effects of a novel enterokinetic agent cisapride. Reboa G, et al. **Eur J Clin Pharmacol** 1984, 26(6):745-8

Effect of intravenous ketanserin on plasma catecholamines and renin activity in normal volunteers. Reimann IW, et al. **Eur J Clin Pharmacol** 1985;28(3):273-7

Loperamide-induced inhibition of pancreatic secretion in rats. Appia F, et al. **Eur J Pharmacol** 1984 Aug 3; 103(1-2):71-9

Effects of S (+)-3-phenethyl-PP, a putative dopamine autoreceptors agonist with greater autoreceptor selectivity than 3-PPP enantiomers. Arnt J, et al. **Eur J Pharmacol** 1984 Jun 15;102(1):91-9

Prolongation of rat tail bleeding time by ketanserin: mechanisms of action. Buczko W, et al. **Eur J Pharmacol** 1984 Aug 17;103(3-4):261-8

Quantitative analysis of the interaction between the agonist and antagonist isomers of picenadol (LY150720) on electric shock titration in the squirrel monkey. Carter RB, et al. **Eur J Pharmacol** 1984 Nov 27;106(3):469-76

(+)- and (-)-3-PPP exhibit different intrinsic activity at striatal dopamine autoreceptors controlling dopamine synthesis. Clark D, et al. **Eur J Pharmacol** 1984 Oct 30; 106(1):185-9

A possible alpha 2-adrenergic component in the in vivo activity of pirenperone. Colpaert FC, et al. **Eur J Pharmacol** 1984 Aug 3;103(1-2):169-71

Evidence for heterogeneous rotational responsiveness to apomorphine, 3-PPP and SKF 38393 in 6-hydroxydopamine-denervated rats. Fenton HM, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):363-72

Vagally mediated reflex and cardiac slowing induced by loperamide in rats. Gautret B, et al. **Eur J Pharmacol** 1985 Jan 2;107(2):157-60

Dopamine receptor-mediated hypothermia induced in rats by (+)-, but not by (-)-3-PPP. Hjorth S, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):299-304

Electrophysiological actions of flecainide in normal and infarcted canine Purkinje fibers. Kinnaird AA, et al. **Eur J Pharmacol** 1985 May 28;112(1):57-64

Antagonism by ketanserin of 5-HT-induced vasoconstriction unmasks a 5-HT-induced vasodilation. McLennan PL, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):313-8

Agonist and antagonist effects of 3-PPP enantiomers on functional dopamine autoreceptors and postsynaptic dopamine receptors in vitro. Mulder AH, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):291-7

Interactions between serotonin and cisapride on myenteric neurons. Nemeth PR, et al. **Eur J Pharmacol** 1985 Jan 15; 108(1):77-83

The effect of cisapride on neural 5-HT receptors in guinea-pig isolated ileum. Neya T, et al. **Eur J Pharmacol** 1984 Oct 30;106(1):221-2

Ketanserin alters [3H]serotonin uptake and release in rat hypothalamus. Offord SJ, et al. **Eur J Pharmacol** 1984 Sep 17;104(3-4):379-82

Hypotensive actions of ketanserin in dogs: involvement of a centrally mediated inhibition of sympathetic vascular tone. Phillips CA, et al. **Eur J Pharmacol** 1985 May 20; 111(3):319-27

The effects of SCH 23390, YM 09151-2, (+)- and (-)-3-PPP and some classical neuroleptics on D-1 and D-2 receptors in rat neostriatum in vitro. Plantjé JF, et al. **Eur J Pharmacol** 1984 Oct 1;105(1-2):73-83

Redistribution of carotid artery blood flow by 5-HT: effects of the 5-HT2 receptor antagonists ketanserin and Wal 1307. Verdouw PD, et al. **Eur J Pharmacol** 1984 Jul 20; 102(3-4):499-509

CGP 4718 A, a new potential antidepressant with a dual mode of action. Waldmeier PC, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):79-89

Effect of loperamide and naloxone on mouth-to-caecum transit time evaluated by lactulose hydrogen breath test. Basilisco G, et al. **Gut** 1985 Jul;26(7):700-3

Measurement of gastric emptying in dyspeptic patients: effect of a new gastrokinetic agent (cisapride). Jian R, et al. **Gut** 1985 Apr;26(4):352-8

Effects of cisapride, a new gastrointestinal prokinetic substance, on interdigestive and postprandial motor activity of the distal oesophagus in man. Smout AJ, et al. **Gut** 1985 Mar;26(3):246-51

Cardiovascular profile and hypotensive mechanism of ketanserin in the rabbit. Bolt GR, et al. **Hypertension** 1985 Jul-Aug;7(4):499-506

Two novel agents affecting eating through an action on monoaminergic systems. Roncucci R, et al. **Int J Obes** 1984; 8 Suppl 1:103-17

Sites of gamma radiation-induced DNA strand breaks after alkali treatment. Duplaa AM, et al. **Int J Radiat Biol** 1985 Jul;48(1):19-32

Effects of flecainide on the electrophysiologic properties of isolated canine and rabbit myocardial fibers. Ikeda N, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):303-10

Vascular relaxation by ifenprodil in the isolated perfused rat mesenteric artery. Adeagbo AS. **J Cardiovasc Pharmacol** 1984 Nov-Dec;6(6):1142-7

Platelet hypersensitivity to serotonin after prolonged ketanserin intake? Arnout J, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S20-2

Is there alpha-adrenergic blockade and/or serotonergic blockade during chronic ketanserin treatment? Ball SG, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S120-2

Effects of serotonin on the cardiopulmonary circulatory system with and without 5-HT2-receptor blockade by ketanserin. Breuer J, et al. **J Cardiovasc Pharmacol** 1985; 7 Suppl 7:S64-6

Continuous inhibition of platelet S2-serotonergic receptors during chronic administration of ketanserin in humans. De Clerck F, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S23-5

Comparison of blood pressure ratio by Doppler velocimetry and by plethysmography during treatment with ketanserin, a 5-HT2 receptor antagonist: a measure of improved collateral and microcirculatory flow. De Cree J, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S92-4

Effect of ketanserin on the hyperreactivity of platelets to 5-hydroxytryptamine in patients with cardiovascular diseases. De Cree J, et al. **J Cardiovasc Pharmacol** 1985; 7 Suppl 7:S26-8

Ketanserin and red blood cell sodium content in hypertension. De Cree J, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S41-3

Antiarrhythmic effects of flecainide against canine ventricular arrhythmias induced by two-stage coronary ligation and halothane-epinephrine. Dobmeyer D, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):238-44

Effect of ketanserin on phenylephrine-dependent changes in splanchnic hemodynamics and systemic blood pressure in healthy subjects. Gasic S, et al. **J Cardiovasc Pharmacol** 1985 Mar-Apr;7(2):219-23

Antihypertensive effects of ketanserin in the spontaneously hypertensive rat: mode of action. Gradin K, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S110-1

Effect of ketanserin on hemodynamics, plasma-catecholamine concentrations, and serotonin uptake by platelets in volunteers and patients with congestive heart failure. Grobecker H, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S102-4

Comparative electrophysiology of lorcainide and norlorcainide in the dog. Keefe DL, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct;6(5):808-15

Effects of ketanserin on the intracellular concentration and transmembrane fluxes of sodium and potassium in erythrocytes of normal male subjects. Lijnen P, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S38-40

Effects of ketanserin on peripheral blood flow, haemorheology, and platelet function in patients with Raynaud's phenomenon. Longstaff J, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S99-101

Serotonin-induced vasoconstriction in the perfused canine femoral artery can be blocked in vivo by ketanserin. Meschig R, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S56-9

Evidence for a central component to the hypotensive action of ketanserin in the dog. Mylecharane EJ, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S114-6

Serotonergic mechanisms and blood pressure in sheep. Nelson MA, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S117-9

Effect of ketanserin on the kinetics of digoxin and digitoxin. Ochs HR, et al. **J Cardiovasc Pharmacol** 1985 Jan-Feb; 7(1):205-7

Chronic serotonergic blockade with ketanserin in the spontaneously hypertensive rat. Pettersson A, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S112-3

Serotonin and the heart: effects of ketanserin on myocardial function, heart rate, and arrhythmias. Saman S, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S70-5 (41 ref.)

Influence of ketanserin on 5-hydroxytryptamine-induced cerebrovascular spasm in the cat. Vällfors B, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S60-3

Can peripheral serotonergic blockade explain the hypotensive effect of ketanserin? Vanhoutte PM. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S105-9 (24 ref.)

Serotonin and the flow properties of blood. Walker RT, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S35-7

Effect of ketanserin on blood pressure and biochemical parameters in patients with essential hypertension. Wing LM, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S164-7

Ketanserin and alpha 1-adrenergic antagonism in humans. Zabludowski JR, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S123-5

Effects of ketanserin on platelet function and red cell filterability in hypertension and peripheral vascular disease. Zannad F, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S32-4

Ketanserin without effects on basal anterior pituitary hormone secretion in healthy subjects. Gordin A, et al. **J Endocrinol Invest** 1985 Feb;8(1):73-5

Haemodynamic response to ketanserin in rabbits with Page hypertension: comparison with prazosin. Wright CE, et al. **J Hypertens** 1983 Aug;1(2):183-90

Synthesis and dopamine autoreceptor activity of a 5-(methylmercapto)methyl-substituted derivative of (+/-)-3-PPP (3-(3-hydroxyphenyl)-1-n-propylpiperidine). Kelly TR, et al. **J Med Chem** 1985 Sep;28(9):1368-71

Structure-activity relationships of some pyridine, piperidine, and pyrrolidine analogues for enhancing and inhibiting the binding of (+/-)-[3H]nicotine to the rat brain P2 preparation. Sloan JW, et al. **J Med Chem** 1985 Sep; 28(9):1245-51

Behavioral and biochemical effects of subchronic treatment with (-)3-(3-hydroxyphenyl)-N-n-propylpiperidine in the rat: dopamine receptor sensitivity and tolerance. Ahlenius S, et al. **J Neural Transm** 1984;60(2):103-13

Postsynaptic dopamine agonistic effects of 3-PPP enantiomers revealed by bilateral 6-hydroxy-dopamine lesions and by chronic reserpine treatment in rats. Arnt J, et al. **J Neural Transm** 1984;60(3-4):205-23

Dopamine-receptor agonists: mechanisms underlying autoreceptor selectivity. I. Review of the evidence. Clark D, et al. **J Neural Transm** 1985;62(1-2):1-52 (168 ref.)

Dopamine receptor agonists: mechanisms underlying autoreceptor selectivity. II. Theoretical considerations. Clark D, et al. **J Neural Transm** 1985;62(3-4):171-207 (69 ref.)

Modifications of sleep parameters in the rat by (+)- and (-)-3-PPP. Kafi-de St. Hilaire S, et al. **J Neural Transm** 1985;62(3-4):209-17

Effects of loperamide on intestinal ion transport. Guandalini S, et al. **J Pediatr Gastroenterol Nutr** 1984 Sep;3(4):593-601

Effect of dopaminergic drugs on striatal acetylcholine concentration. Sethy VH, et al. **J Pharm Pharmacol** 1985 Jan;37(1):73-4

Biochemical basis of enhanced drug bioavailability by piperine: evidence that piperine is a potent inhibitor of drug metabolism. Atal CK, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):258-62

Effects of picenadol (LY150720) and its stereoisomers on electric shock titration in the squirrel monkey. Carter RB, et al. **J Pharmacol Exp Ther** 1985 Aug;234(2):299-306

Relative selectivity of 6,7-dihydroxy-2-dimethylaminotetralin, N-n-propyl-3-(3-hydroxyphenyl)piperidine, N-n-propylnorapomorphine and pergolide as agonists at striatal dopamine autoreceptors and postsynaptic dopamine receptors. Claustre Y, et al. **J Pharmacol Exp Ther** 1985 Feb;232(2):519-25

Application of second-order polynomial equations to the study of pharmacodynamic interactions: the effect of flecainide acetate and propranolol on cardiac output and vascular resistance. Holtzman JL, et al. **J Pharmacol Exp Ther** 1984 Nov;231(2):286-90

Loperamide: blockade of calcium channels as a mechanism for antidiarrheal effects. Reynolds IJ, et al. **J Pharmacol Exp Ther** 1984 Dec;231(3):628-32

Motor-stimulating properties of cisapride on isolated gastrointestinal preparations of the guinea pig. Schuurkes JA, et al. **J Pharmacol Exp Ther** 1985 Sep;234(3):775-83

The effects of a new serotonin receptor antagonist (ketanserin) on lower urinary tract function in patients with prostatism. Hørby-Petersen J, et al. **J Urol** 1985 Jun; 133(6):1094-8

The effects of piperidine and its related substances on blood vessels. Aisaka K, et al. **Jpn J Pharmacol** 1985 Apr; 37(4):345-53

Interaction of 5-hydroxytryptamine and ketanserin in rat vas deferens subjected to low frequency field stimulation. Karasawa A, et al. **Jpn J Pharmacol** 1985 Mar;37(3):285-91

Lack of functional evidence for the involvement of sigma opiate receptors in the actions of the 3-PPP enantiomers on central dopaminergic systems: discrepancies between in vitro and in vivo observations. Hjorth S, et al. **Life Sci** 1985 Aug 19;37(7):673-84

The hypothermic effect of 4-(5,6-dimethyl-2-benzofuranyl) piperidine HCl (CGP 6085 A) in Wistar Kyoto rats. Kulakowski EC, et al. **Life Sci** 1984 Sep 17;35(12):1329-35

Inhibition of cold-induced vasoconstriction with ketanserin. Hechtman DH, et al. **Microvasc Res** 1985 Jul;30(1):56-62

Keoxifene shows pure antiestrogenic activity in pituitary gonadotrophs. Simard J, et al. **Mol Cell Endocrinol** 1985 Feb;39(2):141-4

Differential effects of the stereoisomers of 3PPP on dopaminergic and cholinergic neurotransmission in superfused slices of the corpus striatum. Arbilla S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):6-13

An electrophysiological analysis of the actions of the 3-PPP enantiomers on the nigrostriatal dopamine system. Clark D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun; 329(4):344-54

Ketanserin causes surmountable antagonism of 5-hydroxytryptamine-induced contractions of large coronary arteries of dog. Frenken M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):301-3

Interaction of ketanserin and its metabolite ketanserinol with 5HT2 receptors in pulmonary and coronary arteries of calf. Frenken M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Jul; 326(4):334-9

A paradox: the 5-HT2-receptor antagonist ketanserin restores the 5-HT-induced contraction depressed by methysergide in large coronary arteries of calf. Allosteric regulation of 5-HT2-receptors. Kaumann AJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):295-300

Antihypertensive effects of chronic 5-hydroxytryptamine (5-HT2) receptor blockade with ketanserin in the spontaneously hypertensive rat. Pettersson A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Aug; 327(1):43-7

Panuramine, a selective inhibitor of uptake of 5-hydroxytryptamine in the brain of the rat. Blurton PA, et al. **Neuropharmacology** 1984 Sep;23(9):1049-52

Modulation of the responses to the GABA-mimetics, THIP and piperidine-4-sulphonic acid, by agents which interact with benzodiazepine receptors. An electrophysiological study on cultured mouse neurones. Jensen MS, et al. **Neuropharmacology** 1984 Dec;23(12A):1441-50

Effects of ketanserin on neuronal responses to serotonin in the prefrontal cortex, lateral geniculate and dorsal raphe nucleus. Lakoski JM, et al. **Neuropharmacology** 1985 Apr;24(4):265-73

Effects of a depressant/convulsant pair of glutarimides on neuronal activity in the isolated spinal cord of the immature rat. Nicholson GM, et al. **Neuropharmacology** 1985 Jun;24(6):461-4

Lack of effect of intranigral administration of a dopamine analogue, (+/-)-3-(3-hydroxyphenyl)-N,n-propylpiperidine [(+/-)-3-PPP], on nigrostriatal dopamine neurones. Kelly E, et al. **Neurosci Lett** 1985 May 1;56(1):57-62

Presynaptic dopaminergic agonists modify brain glucose metabolism in a way similar to the neuroleptics. Palacios JM, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):223-9

Effects of LY150720 (picenadol), a novel mixed-action opioid, on schedule-controlled responding in the squirrel monkey. Carter RB, et al. **Pharmacol Biochem Behav** 1984 Nov;21(5):779-86

Dopaminergic agents including 3-PPP and its enantiomers on medial septal self-stimulation. Gower AJ, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):309-15

Serotonin antagonist pirenperone inhibits sexual behavior in the male rat: attenuation by quipazine. Mendelson SD, et al. **Pharmacol Biochem Behav** 1985 Apr;22(4):565-71

The 5HT2 antagonist pirenperone reverses disruption of FR-40 by hallucinogenic drugs. Mokler DJ, et al. **Pharmacol Biochem Behav** 1985 May;22(5):677-82

Pharmacological studies of piperine; I. Effects of piperine on transmural nerve stimulation. Cole OF. **Planta Med** 1985 Apr;(2):153-6

The pH dependence of disobutamide-induced clear cytoplasmic vacuoles in cultured cells. Ruben Z, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):84-91

Effects of (-)3-PPP on acquisition and retention of a conditioned avoidance response in the rat. Ahlenius S, et al. **Psychopharmacology (Berlin)** 1984;84(4):441-5

Effects of the two antidepressant drugs mianserin and indalpine on the serotonergic system: single-cell studies in the rat. Blier P, et al. **Psychopharmacology (Berlin)** 1984;84(2):242-9

EEG and blood level of the potential antidepressant paroxetine after a single oral dose to normal volunteers. McClelland GR, et al. **Psychopharmacology (Berlin)** 1984;83(4):327-9

Pharmacological properties of presynaptic dopamine receptor agonists. Carlsson A. **Psychopharmacology [Suppl]** 1985;2:31-8

Central serotonin antagonist activity of ketanserin. Fuller RW, et al. **Res Commun Chem Pathol Pharmacol** 1984 Oct;46(1):151-4

Inhibition by ketanserin of serotonin induced cerebral arteriolar constriction. Thompson JA, et al. **Stroke** 1984 Nov-Dec;15(6):1021-4

Serotonin-induced platelet aggregation in whole blood and the effects of ketanserin and mepyramine. Bevan J, et al. **Thromb Res** 1985 Apr 15;38(2):189-94

[Endocrine and metabolic changes induced in surgery by the combination of ketanserin and alfentanyl] Carrasco MS, et al. **Agressologie** 1985 Jun;26(7):605-7 (Eng. Abstr.) **(Fre)**

[Effect of 3-hydroxymethyl-N-methylpiperidine (4-chlorophenoxyacetate) hydrochloride on feeding behavior. Toxicity and neuropsychopharmacology] Massicot F, et al. **C R Acad Sci [III]** 1984;299(9):347-9 (Eng. Abstr.) **(Fre)**

[New antiarrhythmia agents: propafenone and flecainide] Leclercq JF. **Presse Med** 1985 Mar 23;14(12):685-9 (Eng. Abstr.) **(Fre)**

[Action of indalpine on the pupil diameter in the healthy volunteer] Brion N, et al. **Therapie** 1985 Jan-Feb;40(1):9-11 (Eng. Abstr.) **(Fre)**

[The effect of heptacaine hydrochloride and trimecaine hydrochloride on the ultrastructure of the myocardium] Zelenay R, et al. **Pharmazie** 1985 Jan;40(1):64 **(Ger)**

[Antigenic effect of heptacaine hydrochloride and trimecaine hydrochloride on cells and isolated outer membranes of Escherichia coli 04] Zelenay R, et al. **Pharmazie** 1984 Oct;39(10):709 **(Ger)**

[Effect of cloperastine on muco-ciliary clearance] Olivieri D, et al. **Arch Monaldi** 1983 Sep-Dec;38(5-6):219-23 (Eng. Abstr.) **(Ita)**

[Effects of 3,4,5-trimethoxy-N-(3-piperidyl) benzamide (KU-54) on the incorporation (excretion) of 14C-glucosamine in the gastric mucosa and the liver of rats] Abe Y, et al. **Nippon Yakurigaku Zasshi** 1984 Jul;84(1):11-8 (Eng. Abstr.) **(Jpn)**

[Inhibitory mechanism of ifenprodil tartrate on rabbit platelet aggregation] Irino O, et al. **Nippon Yakurigaku Zasshi** 1985 May;85(5):379-85 (Eng. Abstr.) **(Jpn)**

[In vitro antibacterial activity of drugs from the group of ethanolamine, phenothiazine and aminoalkyl derivatives with antihistaminic action] Kurnatowski P. **Acta Pol Pharm** 1984;41(4):485-9 (Eng. Abstr.) **(Pol)**

[Role of serotonin and dopamine receptors in the mechanism of action of haloperidol and pirenperone] Maimets MO, et al. **Farmakol Toksikol** 1985 Mar-Apr;48(2):15-8 (Eng. Abstr.) **(Rus)**

[Effect of synthetic regulators of radical reactions on the course of experimental silicosis] Ivanova AS, et al. **Vopr Med Khim** 1984 Sep-Oct;30(5):22-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Drugs recently released in Belgium: ceftazidime, flecaïnide acetate and varicella oka-strain vaccine. Harvengt C. **Acta Clin Belg** 1985;40(1):51-4

Drugs recently released in Belgium. Harvengt C. **Acta Clin Belg** 1984;39(3):180-1

Paroxetine in the treatment of depression--a randomized comparison with amitriptyline. Laursen AL, et al. **Acta Psychiatr Scand** 1985 Mar;71(3):249-55

Efficacy of flecainide in the management of ventricular arrhythmias: comparative study with amiodarone. Dubner SJ, et al. **Am Heart J** 1985 Mar;109(3 Pt 1):523-8

Hemodynamic effects of intravenous flecainide relative to the level of ventricular function in patients with coronary artery disease. Josephson MA, et al. **Am Heart J** 1985 Jan;109(1):41-5

Long-term lorcainide therapy in patients with ventricular tachycardia. Somberg J, et al. **Am Heart J** 1985 Jan;109(1):33-40

Flecainide: long-term treatment using a reduced dosing schedule. Flowers D, et al. **Am J Cardiol** 1985 Jan 1;55(1):79-83

Chronic lorcainide therapy for symptomatic premature ventricular complexes: efficacy, pharmacokinetics and evidence for norlorcainide antiarrhythmic effect. Mead RH, et al. **Am J Cardiol** 1985 Jan 1;55(1):72-8

Flecainide: electrophysiologic and antiarrhythmic properties in refractory ventricular tachycardia. Platia EV, et al. **Am J Cardiol** 1985 Apr 1;55(8):956-62

The effect of serotonergic blockade in postpartum preeclamptic patients. Montenegro R, et al. **Am J Obstet Gynecol** 1985 Sep 15;153(2):130-4

Pridinolum mesylate and neuroleptic malignant syndrome [letter] Giordani L, et al. **Am J Psychiatry** 1985 Mar;142(3):389-90

Enhancement of Glucantime therapy of murine Leishmania donovani infection by a synthetic immunopotentiating compound (CP-46,665-1). Adinolfi LE, et al. **Am J Trop Med Hyg** 1985 Mar;34(2):270-7

Therapy for late post infarction ventricular tachycardia. Somberg JC, et al. **Angiology** 1985 Mar;36(3):181-90

Successful treatment of atrial tachycardias with flecainide acetate. Creamer JE, et al. **Br Heart J** 1985 Feb;53(2):164-6

Controlled trial of ketanserin in hypertension. McGourty JC, et al. **Br J Clin Pharmacol** 1985 Jul;20(1):37-40

Loperamide in acute diarrhoea in childhood: results of a double blind, placebo controlled multicentre clinical trial. Diarrhoeal Diseases Study Group (UK). **Br Med J [Clin Res]** 1984 Nov 10;289(6454):1263-7

Treatment of Raynaud's phenomenon with ketanserin [letter] Cox NH, et al. **Br Med J [Clin Res]** 1984 Oct 20;289(6451):1078-9

Effect of an oral serotonin antagonist, ketanserin, on plasma ACTH concentrations in Nelson's syndrome. Prescott RW, et al. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):787-8

Lorcainide. A comparative trial with quinidine gluconate in patients with previously untreated ventricular arrhythmias. Falk RH, et al. **Chest** 1984 Oct;86(4):537-40

Selective 5-HT2 receptor blockade in exercise-induced asthma. So SY, et al. **Clin Allergy** 1985 Jul;15(4):371-6

Evaluation of flecainide acetate in rapid atrial fibrillation complicating Wolff-Parkinson-White syndrome. Kappenberger LJ, et al. **Clin Cardiol** 1985 Jun;8(6):321-6

The hypotensive action of 4-(5,6-dimethyl-2-benzofuranyl) piperidine HCl (CGP 6085 A) in spontaneously hypertensive rats. Kulakowski EC, et al. **Clin Exp Hypertens [A]** 1985;7(4):585-604

Hemodynamic dose-response effects of flecainide in acute myocardial infarction with and without left ventricular decompensation. Jackson N, et al. **Clin Pharmacol Ther** 1985 Jun;37(6):619-24

Treatment of arterial hypertension with ketanserin in mono- and combination therapy. Pettersson A, et al. **Clin Pharmacol Ther** 1985 Aug;38(2):188-94

Ketanserin in chronic sympathetic dystrophy. An acute controlled trial [letter] Bounameaux HM, et al. **Clin Rheumatol** 1984 Dec;3(4):556-7

Acute effects of antagonist of S2-receptors. Petkovská N, et al. **Czech Med** 1984;7(4):210-4

Flecainide--a new antiarrhythmic drug. **Drug Ther Bull** 1984 Dec 17;22(25):97-8

Therapy of tachyarrhythmias, benefits and risks. Proceedings of a symposium. Düsseldorf, 11 July 1984. **Drugs** 1985;29 Suppl 4:1-88

Clinical usefulness of flecainide acetate in the treatment of paroxysmal supraventricular arrhythmias. Camm AJ, et al. **Drugs** 1985;29 Suppl 4:7-13

Experience in the long term use of new antiarrhythmic drugs. Meinertz T, et al. **Drugs** 1985;29 Suppl 4:26-7

Long term use of flecainide in patients with supraventricular tachycardia. Neuss H. **Drugs** 1985;29 Suppl 4:21-5

Effect of intravenous flecainide on atrial vulnerability in man. Pop T, et al. **Drugs** 1985;29 Suppl 4:1-6

The clinical use of oral flecainide. Slama R, et al. **Drugs** 1985;29 Suppl 4:28-9

Efficacy and tolerance of intravenous flecainide in patients with chronic high frequency ventricular arrhythmias. Stroobandt R, et al. **Eur Heart J** 1984 Nov;5(11):876-82

Flecainide: one-year efficacy in patients with chronic ventricular arrhythmias. Vanhaleweyk G, et al. **Eur Heart J** 1984 Oct;5(10):814-23

Cardioversion with flecainide in patients with atrial fibrillation of recent onset. Goy JJ, et al. **Eur J Clin Pharmacol** 1985;27(6):737-8

Acute effects of antiarrhythmic drugs on stable ventricular premature beats. Controlled comparison of lorcainide and lidocaine. Schmidt G, et al. **Eur J Clin Pharmacol** 1985;27(6):633-6

Comparison of intravenous lorcainide with lidocaine for acute therapy of complex ventricular arrhythmias: results of a randomized study with crossover option. Anderson JL, et al. **J Am Coll Cardiol** 1985 Feb;5(2 Pt 1):333-41

Short- and long-term experience with flecainide acetate in the management of refractory life-threatening ventricular arrhythmias. Lal R, et al. **J Am Coll Cardiol** 1985 Oct;6(4):772-9

Loperamide versus copamide [letter] Singh DS, et al. **J Assoc Physicians India** 1984 May;32(5):460

Ketanserin: a new hypotensive drug? Amery A, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S176-82 (29 ref.)

Ketanserin (5 HT2-antagonist) in secondary Raynaud's phenomenon [letter] Bounameaux HM, et al. **J Cardiovasc Pharmacol** 1984 Sep-Oct;6(5):975-6

The acute antihypertensive effect of ketanserin increases with age. De Crée J, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S126-7

Blood pressure, 5-OH indoleacetic acid, and vanilmandelic acid excretion and blood platelet aggregation in hypertensive patients treated with ketanserin. Dzúrik R, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S29-31

Hemodynamic response to chronic ketanserin treatment in essential hypertension. Fagard R, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S128-9

Study with the competitive 5-HT2-serotonergic antagonist ketanserin. Ferrara LA, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S159-60

A comparative and long-term evaluation of ketanserin in the treatment of essential hypertension. Hedner T, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S148-53

Antihypertensive properties of ketanserin in combination with beta-adrenergic blocking agents. Hedner T, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S161-3

Effect of ketanserin in primary aldosteronism. Mantero F, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S172-5

Ketanserin in the acute management of severe hypertension. Murphy BF, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S168-71

Double-blind comparison of ketanserin with propranolol in hypertensive patients: interim report. Staessen J, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S140-7

Clinical studies with ketanserin in hypertension. Waal-Manning HJ, et al. **J Cardiovasc Pharmacol** 1985;7 Suppl 7:S154-8

Cardiovascular effects of ketanserin, a new antiserotonergic agent in the treatment of arterial hypertension. Ferrara LA, et al. **J Clin Pharmacol** 1985 Apr;25(3):187-92

Loperamide in acute childhood diarrhoea: a double blind controlled trial. Kassem AS, et al. **J Diarrhoeal Dis Res** 1983 Mar;1(1):10-6

Long-term effects on central haemodynamics and body fluid volumes of ketanserin in essential hypertension studies at rest and during dynamic exercise. Omvik P, et al. **J Hypertens** 1983 Dec;1(4):405-12

Toddler diarrhoea: observations on the effects of aspirin and loperamide. Hamdi I, et al. **J Pediatr Gastroenterol Nutr** 1985 Jun;4(3):362-5

Placebo-controlled double-blind trial of ketanserin in treatment of intermittent claudication. De Cree J, et al. **Lancet** 1984 Oct 6;2(8406):775-9

Cisapride in cystic fibrosis [letter] Prinsen JE, et al. **Lancet** 1985 Mar 2;1(8427):512-3

Antihypertensive mechanism of action of ketanserin and some ketanserin analogues in the spontaneously hypertensive rat. Pettersson A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jun;329(4):394-7

Double-blind comparative study of paroxetine and amitriptyline in depressed patients of a university psychiatric outpatient clinic (pilot study). Battegay R, et al. **Neuropsychobiology** 1985;13(1-2):31-7

Flecainide acetate in atrial fibrillation [letter] Crozier I, et al. **NZ Med J** 1985 Jun 26;98(781):506

Flecainide acetate in resistant atrial fibrillation [letter] Rae BG, et al. **NZ Med J** 1985 May 22;98(779):402

Flecainide: a new prototype antiarrhythmic agent. Nappi JM, et al. **Pharmacotherapy** 1985 Jul-Aug;5(4):209-21

Ketanserin in essential hypertension: a double-blind, placebo-controlled study. Cameron HA, et al. **Postgrad Med J** 1985 Jul;61(717):583-6

Evaluation of the efficacy of flecainide acetate in the treatment of ventricular premature contractions. Muhiddin KA, et al. **Postgrad Med J** 1985 Jun;61(716):489-96

Effects of diethyldithiocarbamate and selected analogs on cadmium metabolism following chronic cadmium ingestion. Gale GR, et al. **Res Commun Chem Pathol Pharmacol** 1985 Jan;47(1):107-14

[Results of a clinical study of the Hungarian preparation Imodium] Grüncharov V. **Vutr Boles** 1984;23(4):22-8 (Eng. Abstr.) **(Bul)**

[Penfluridol in outpatient psychiatric practice] Chodura V. **Cesk Psychiatr** 1984 Jun;80(3):184-7 (Eng. Abstr.) **(Cze)**

[Comparative study of a slow-release quinidine preparation and flecainide administered in 2 daily doses for the treatment of extrasystole] Clémenty J, et al.

Ann Cardiol Angeiol (Paris) 1984 Oct;33(6):401-5 (Eng. Abstr.) **(Fre)**

[Confusional status and simultaneous prescription of amineptin and indalpine. Apropos of 3 recent cases] Arnaud-Castiglioni R, et al. **Ann Med Psychol (Paris)** 1984 Dec;142(10):1331-3 **(Fre)**

[Amiodarone-flecainide combination in the treatment of severe ventricular arrhythmia (letter)] Fontaine G, et al. **Arch Mal Coeur** 1984 Nov;77(12):1421-2 **(Fre)**

[Activity and acceptability of indalpine in a double-blind study versus placebo] Gisselmann A. **Encephale** 1984; 10(5):231-4 (Eng. Abstr.) **(Fre)**

[Lorcainide in stable ventricular extrasystole. A double-blind study with 48-hour continuous ECG recording] Buss J, et al. **Dtsch Med Wochenschr** 1984 Nov 30;109(48):1829-32 (Eng. Abstr.) **(Ger)**

[Long-term therapy with flecainide] Bramann HU, et al. **Z Kardiol** 1984 Nov;73(11):724-31 (Eng. Abstr.) **(Ger)**

[Clinical study of a new antitussive: cloperastine] Olivieri D, et al. **Arch Monaldi** 1983 Sep-Dec;38(5-6):209-18 (Eng. Abstr.) **(Ita)**

[Use of an antitussive drug in pulmonary pathology] Rimoldi R, et al. **Boll Chim Farm** 1985 Feb;124(2):1S-6S (Eng. Abstr.) **(Ita)**

[Flecainide in the treatment of chronic ventricular arrhythmia (editorial)] Raviele A, et al. **G Ital Cardiol** 1985 Mar;15(3):283-4 **(Ita)**

[Evaluation of flecainide in the therapy of chronic ventricular arrhythmia using the acute oral load method] Schwartz PJ, et al. **G Ital Cardiol** 1985 Mar;15(3):273-82 (Eng. Abstr.) **(Ita)**

[Effect of SA-504 subtle granules on renal or ureteral calculi] Matuda S, et al. **Hinyokika Kiyo** 1984 Jun;30(6):845-8 (Eng. Abstr.) **(Jpn)**

[Cephadol in the treatment of patients with Méniére's disease and labyrinthopathies] Vasil'eva VP, et al. **Vestn Otorinolaringol** 1985 Mar-Apr;(2):28-31 (Eng. Abstr.) **(Rus)**

[Ketanserin in the treatment of ischemic disease of the lower extremities] Gerová Z, et al. **Cas Lek Cesk** 1985 Jul 26; 124(30):938-41 (Eng. Abstr.) **(Slo)**

[Malignant syndrome caused by neuroleptics. Rapid response to biperiden in a case of brief development (letter)] Castilla Cortázar A, et al. **Med Clin (Barc)** 1985 Apr 13;84(14):588 **(Spa)**

TOXICITY

Aspergillus parasiticus growth and aflatoxin production on black and white pepper and the inhibitory action of their chemical constituents. Madhyastha MS, et al. **Appl Environ Microbiol** 1984 Aug;48(2):376-9

Teratogenicity in swine of the tobacco alkaloid anabasine isolated from Nicotiana glauca. Keeler RF, et al. **Teratology** 1984 Aug;30(1):61-9

[The effect of intermediate products of synthesis and potential metabolites of heptacaine chloride on mammalian chromosomes] Karasová M, et al. **Bratisl Lek Listy** 1984 Dec;82(6):1423-9 (Eng. Abstr.) **(Slo)**

PIPERIDONES see under **PIPERIDINES**

PIPERONYL BUTOXIDE

METABOLISM

Spectral interactions of piperonyl butoxide and isocyanides with purified hepatic cytochrome P-450 from uninduced mice. Beumel GA, et al. **Gen Pharmacol** 1985;16(3):193-7

PHARMACODYNAMICS

Inhibition of N-nitrosodiethylamine-induced respiratory tract carcinogenesis by piperonylbutoxide in hamsters. Schuller HM, et al. **Cancer Res** 1985 Jun;45(6):2807-12

An investigation of the role of microsomal oxidative metabolism in the in vivo genotoxicity of 1,2-dichloroethane. Storer RD, et al. **Toxicol Appl Pharmacol** 1985 Jan;77(1):36-46

THERAPEUTIC USE

Anticonvulsant activity and neurotoxicity of piperonyl butoxide in mice. Ater SB, et al. **Epilepsia** 1984 Oct; 25(5):551-5

TOXICITY

Lack of evidence of carcinogenicity of technical-grade piperonyl butoxide in F344 rats: selective induction of ileocaecal ulcers. Maekawa A, et al. **Food Chem Toxicol** 1985 Jul;23(7):675-82

PIPEROXAN see under **PIPERIDINES**

PIPOBROMAN

THERAPEUTIC USE

Efficacy trial of pipobroman in essential thrombocythemia: a study of 24 patients. Brusamolino E, et al. **Cancer Treat Rep** 1984 Nov;68(11):1339-42

PIPOTHIAZINE see under **PHENOTHIAZINE TRANQUILIZERS**

PIPOTHIAZINE PALMITATE see under **PHENOTHIAZINE TRANQUILIZERS**

PIPRADOL see **PIPRADROL**

PIPRADROL

PHARMACODYNAMICS

Pipradrol-induced hyperthermia in the rabbit. Small SF, et al. **Pharmacol Res Commun** 1984 Sep;16(9):923-31

PIRACETAM see under **PYRROLIDINONES**

PIRIBEDIL see under **PIPERAZINES**

PIRINITRAMIDE see under **ISONIPECOTIC ACIDS**

PIROMIDIC ACID see under **NICOTINIC ACIDS**

PIROPLASMA see **BABESIA**

PIROPLASMOSIS see **BABESIOSIS**

PIT AND FISSURE SEALANTS

Insuring preventive dental care: are sealants included? Glasrud PH. **Am J Public Health** 1985 Mar;75(3):285-6

The retention of fissure sealants using twenty-second etching time. Eidelman E, et al. **ASDC J Dent Child** 1984 Nov-Dec; 51(6):422-4

In vitro assessment of marginal leakage of sealants placed in permanent molars with different etching times. Fuks AB, et al. **ASDC J Dent Child** 1984 Nov-Dec;51(6):425-7

The sealed composite resin restoration. Henderson HZ, et al. **ASDC J Dent Child** 1985 Jul-Aug;52(4):300-2

Management of early dental caries in fissures with fissure sealant [letter] Paterson RC, et al. **Br Dent J** 1985 May 25;158(10):356-7

Fluoride-releasing sealants. **J Am Dent Assoc** 1985 Jan; 110(1):90

Fissure sealants for teeth [editorial] **Lancet** 1985 Feb 23; 1(8426):439-40

THERAPEUTIC USE

The caries-preventive effect of a fluoride varnish in the fissures of the first permanent molar. Holm GB, et al. **Acta Odontol Scand** 1984 Aug;42(4):193-7

Management of early dental caries in fissures with fissure sealant. Elderton RJ. **Br Dent J** 1985 Apr 6;158(7):254-8

Potential use of fissure sealants in the NHS. Rock WP. **Br Dent J** 1984 Dec 22;157(12):445-8

The current status of pit and fissure sealants. A review. Ripa LW. **Can Dent Assoc J** 1985 May;51(5):367-75, 377-80 (183 ref.)

Pit and fissure sealant [letter] **J Am Dent Assoc** 1985 Mar; 110(3):302

Cost-effectiveness of sealants in private practice and standards for use in prepaid dental care. Council on Dental Research. **J Am Dent Assoc** 1985 Jan;110(1):103-7

The sealant question, once more [letter] Simonsen RJ. **J Am Dent Assoc** 1984 Sep;109(3):396, 398

Three-year evaluation of sealant: effect of isolation on efficacy. Straffon LH, et al. **J Am Dent Assoc** 1985 May; 110(5):714-7

Dental sealants. Koop CE. **J Public Health Dent** 1984 Summer;44(3):126

The surface-specific caries pattern of participants in a school-based fluoride mouthrinsing program with implications for the use of sealants. Ripa LW, et al. **J Public Health Dent** 1985 Spring;45(2):90-4

PIT VIPER VENOMS see **CROTALID VENOMS**

PITCH DISCRIMINATION

On the nature of absolute pitch. Zakay D, et al. **Arch Psychol (Frankf)** 1984;136(2):163-6

Contralateral interference and ear advantages for identification of three-element patterns. Lauter JL. **Brain Cogn** 1984 Jul;3(3):259-80

Reinforced and nonreinforced head-turn responses of infants as a function of stimulus bandwidth. Thompson G, et al. **Ear Hear** 1985 May-Jun;6(3):125-9

Interaural octave phase-shift detection and aural harmonic distortion. Ayres TJ, et al. **J Acoust Soc Am** 1984 Aug; 76(2):414-8

Detection of interaural phase shift between a subaudible and an audible tone. Ayres TJ, et al. **J Acoust Soc Am** 1984 Aug;76(2):411-3

Lateralization of low-frequency, complex waveforms: the use of envelope-based temporal disparities. Bernstein LR, et al. **J Acoust Soc Am** 1985 May;77(5):1868-80

Intensity discrimination: a severe departure from Weber's law. Carlyon RP, et al. **J Acoust Soc Am** 1984 Nov; 76(5):1369-76

Temporal integration of acoustic signals by the budgerigar (Melopsittacus undulatus). Dooling RJ, et al. **J Acoust Soc Am** 1985 May;77(5):1917-20

Integration of spectral and temporal cues separated in time and frequency. Espinoza-Varas B, et al. **J Acoust Soc Am** 1984 Sep;76(3):732-8

Differential sensitivity to tonal frequency and to the rate of amplitude modulation of broadband noise by normally hearing listeners. Formby C. **J Acoust Soc Am** 1985 Jul; 78(1 Pt 1):70-7

Dynamic range and asymmetry of the auditory filter. Glasberg BR, et al. **J Acoust Soc Am** 1984 Aug;76(2):419-27

The role of monaural frequency selectivity in binaural analysis. Hall JW, et al. **J Acoust Soc Am** 1984 Aug; 76(2):435-9

Thresholds for the detection of inharmonicity in complex tones. Moore BC, et al. **J Acoust Soc Am** 1985 May; 77(5):1861-7

Discrimination of fundamental frequency of synthesized vowel sounds in a noise background. Scheffers MT. **J Acoust Soc Am** 1984 Aug;76(2):428-34

Masking-period patterns: presentation of a model compatible with an enlarged set of psychophysical and physiological results. Schwartz JL, et al. **J Acoust Soc Am** 1985 Aug; 78(2):474-87

Learned self-control of tinnitus through a matching-to-sample feedback technique: a clinical investigation. Ince LP, et al. **J Behav Med** 1984 Dec; 7(4):355-65

Nonsimultaneous auditory masking in the budgerigar (Melopsittacus undulatus). Dooling RJ, et al. **J Comp Psychol** 1985 Jun;99(2):226-30

Tonal hierarchies in the music of north India. Castellano MA, et al. **J Exp Psychol [Gen]** 1984 Sep;113(3):394-412

Two issues concerning tonal hierarchies: comment on Castellano, Bharucha, and Krumhansl. Deutsch D. **J Exp Psychol [Gen]** 1984 Sep;113(3):413-6

PHYSIOLOGY

Extension of a temporal model of frequency discrimination: intensity effects in normal and hearing-impaired listeners. Wakefield GH, et al. **J Acoust Soc Am** 1985 Feb;77(2):613-9

Ontogeny of tonotopic organization of brain stem auditory nuclei in the chicken: implications for development of the place principle. Lippe W, et al. **J Comp Neurol** 1985 Jul 8;237(2):273-89

PITCH PERCEPTION

Temporary threshold shift frequency profiles after low-tone exposure. Fritze W, et al. **Arch Otorhinolaryngol** 1985; 242(1):49-51

The augmenting/reducing phenomenon in the auditory evoked potential. Prescott J, et al. **Biol Psychol** 1984 Aug; 19(1):31-44

A simple clinical measure of frequency resolution. Lutman ME, et al. **Br J Audiol** 1985 Feb;19(1):1-8

The verbotonal method for management of young, hearing-impaired children. Asp CW. **Ear Hear** 1985 Jan-Feb;6(1):39-42

Theoretical and experimental analysis of a central optimal processor for pitch of multicomponent inharmonic tones. Grandori F. **Hear Res** 1984 Aug;15(2):151-8

Lateralization of sinusoidally amplitude-modulated tones: effects of spectral locus and temporal variation. Bernstein LR, et al. **J Acoust Soc Am** 1985 Aug;78(2):514-23

Speechreading supplemented with frequency-selective sound-pressure information. Breeuwer M, et al. **J Acoust Soc Am** 1984 Sep;76(3):686-91

The effect of frequency change on discrimination of pulse bursts in an electrocutaneous tactual vocoder. Bull D, et al. **J Acoust Soc Am** 1985 Mar;77(3):1192-8

Perceptual learning in frequency discrimination. Demany L. **J Acoust Soc Am** 1985 Sep;78(3):1118-20

Auditory profile analysis: frequency, phase, and Weber's law. Green DM, et al. **J Acoust Soc Am** 1985 Mar;77(3):1155-61

Intensity difference limens at high frequencies. Long GR, et al. **J Acoust Soc Am** 1985 Aug;78(2):507-13

On the growth of masking asymmetry with stimulus intensity. Lutfi RA, et al. **J Acoust Soc Am** 1984 Sep;76(3):739-45

Additivity of simultaneous masking, revisited. Moore BC. **J Acoust Soc Am** 1985 Aug;78(2):488-94

Gap detection in chinchillas with temporary high-frequency hearing loss. Salvi RJ, et al. **J Acoust Soc Am** 1985 Mar; 77(3):1173-7

Pitch shift of pure and complex tones induced by masking noise. Stoll G. **J Acoust Soc Am** 1985 Jan;77(1):188-92

Auditory filter asymmetry in the hearing impaired. Tyler RS, et al. **J Acoust Soc Am** 1984 Nov;76(5):1363-8

Temporal summation in normally and abnormally hearing chinchillas. Davis RI, et al. **J Aud Res** 1983 Oct; 23(4):281-92

Utility of the Seashore Tonal Memory Test in neuropsychological assessment. Karzmark P, et al. **J Clin Exp Neuropsychol** 1985 Aug;7(4):367-74

Effects of sound frequency on behavioral and cardiac orienting in newborn and five-month-old infants. Morrongiello BA, et al. **J Exp Child Psychol** 1984 Dec; 38(3):429-46

Reflex modification in the rat: the inhibitory effects of intensity and frequency changes in steady tones. Cranney J, et al. **J Exp Psychol [Anim Behav]** 1985 Jan;11(1):112-9

A theory of criterion setting: an alternative to the attention band and response ratio hypotheses in magnitude estimation and cross-modality matching. Treisman M. **J Exp Psychol [Gen]** 1984 Sep;113(3):443-63

Frequency selectivity and consonant intelligibility in sensorineural hearing loss. Preminger J, et al.

J Speech Hear Res 1985 Jun;28(2):197-206

Case report: recovery and reorganization after congenital unilateral brain damage. Nass R. **Percept Mot Skills** 1984 Dec;59(3):867-74

[An electronic device for conversion of low-frequency biosignals to auditory frequency range] Eichmeier J, et al. **Biomed Tech (Berlin)** 1984 Sep;29(9):207-11 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Some aspects of the auditory nerve responses evoked by tone bursts. Antonelli A, et al. **Br J Audiol** 1984 Aug; 18(3):117-26

Tonotopic organization in the midbrain of a teleost fish. Echteler SM. **Brain Res** 1985 Jul 15;338(2):387-91

2-Deoxyglucose accumulation parallels extracellularly recorded spike activity in the avian auditory neostriatum. Theurich M, et al. **Brain Res** 1984 Nov 19;322(1):157-61

Single-neuron labeling and chronic cochlear pathology. IV. Stereocilia damage and alterations in rate- and phase-level functions. Liberman MC, et al. **Hear Res** 1984 Oct; 16(1):75-90

Single-neuron labeling and chronic cochlear pathology. I. Threshold shift and characteristic-frequency shift. Liberman MC. **Hear Res** 1984 Oct;16(1):33-41

Single-neuron labeling and chronic cochlear pathology. III. Stereocilia damage and alterations of threshold tuning curves. Liberman MC, et al. **Hear Res** 1984 Oct;16(1):55-74

A comparison of psychophysical tuning curves obtained using bandpass and modulated noise. Lutfi RA, et al. **Hear Res** 1985 Mar;17(3):289-91

Representation of voice pitch in discharge patterns of auditory-nerve fibers. Miller MI, et al. **Hear Res** 1984 Jun; 14(3):257-79

Frequency threshold curves and simultaneous masking functions in high-threshold, broadly-tuned, fibres of the guinea pig auditory nerve. Pickles JO. **Hear Res** 1984 Oct; 16(1):91-9

Infant pitch perception: evidence for responding to pitch categories and the missing fundamental. Clarkson MG, et al. **J Acoust Soc Am** 1985 Apr;77(4):1521-8

Auditory brain stem responses from human infants: pure-tone masking profiles for clicks and filtered clicks. Folsom RC. **J Acoust Soc Am** 1985 Aug;78(2):555-62

The effects of stimulus duration on ABR and behavioral thresholds. Gorga MP, et al. **J Acoust Soc Am** 1984 Aug; 76(2):616-9

Group delay measurement from spiral ganglion cells in the basal turn of the guinea pig cochlea. Gummer AW, et al. **J Acoust Soc Am** 1984 Nov;76(5):1388-400

Cochlear mechanics: analysis for a pure tone. Holmes MH, et al. **J Acoust Soc Am** 1984 Sep;76(3):767-78

The role of suppression in psychophysical measures of frequency selectivity. Jesteadt W, et al. **J Acoust Soc Am** 1985 Jul;78(1 Pt 2):365-74

High-frequency rolloff in a cochlear model without critical-layer resonance. Lewis ER. **J Acoust Soc Am** 1984 Sep;76(3):779-86

Interaction of cortical evoked potentials to electric and acoustic stimuli. Lusted HS, et al. **J Acoust Soc Am** 1984 Aug;76(2):449-55

The relationship of the spiral turns of the cochlea and the length of the basilar membrane to the range of audible frequencies in ground dwelling mammals. West CD. **J Acoust Soc Am** 1985 Mar;77(3):1091-101

Interaural time sensitivity of high-frequency neurons in the inferior colliculus. Yin TC, et al. **J Acoust Soc Am** 1984 Nov;76(5):1401-10

Isofrequency labelling revealed by a combined [14C]-2-deoxyglucose, electrophysiological, and horseradish peroxidase study of the inferior colliculus of the cat. Servière J, et al. **J Comp Neurol** 1984 Oct 1; 228(4):463-77

Cochlear axon calibres are adjusted to characteristic frequencies. Friede RL. **J Neurol Sci** 1984 Nov-Dec; 66(2-3):193-200

Tonotopic organization in lateral part of posterior group of thalamic nuclei in the cat. Imig TJ, et al. **J Neurophysiol** 1985 Mar;53(3):836-51

Tonotopic organization in ventral nucleus of medial geniculate body in the cat. Imig TJ, et al. **J Neurophysiol** 1985 Jan;53(1):309-40

Responses of the primary auditory cortex to pitch changes in a sequence of tone pips: neuromagnetic recordings in man. Hari R, et al. **Neurosci Lett** 1984 Sep 7;50(1-3):127-32

PITUITARY-ADRENAL FUNCTION TESTS

Nocturnal high-dose dexamethasone suppression test in the aetiological diagnosis of Cushing's syndrome. Bruno OD, et al. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):158-62

Preoperative assessment of adrenal insufficiency in glucocorticoid therapy [letter] Thygeson NM. **Arch Intern Med** 1984 Nov;144(11):2288

Serum cortisol concentrations during low dose dexamethasone suppression test to screen for Cushing's syndrome. Kennedy L, et al. **Br Med J [Clin Res]** 1984 Nov 3;289(6453):1188-91

The use of the corticotropin-releasing hormone test to monitor the recovery of patients with Cushing's disease or Cushing's syndrome due to an adrenal adenoma after adenomectomy. Hotta MN, et al. **Endocrinol Jpn** 1985 Feb; 32(1):113-25

Adrenocortical reserve of neonates born of long-term, steroid-treated mothers. Arad I, et al. **Eur J Pediatr** 1984 Sep;142(4):279-80

Androgen and estrogen response to adrenal and gonadal stimulation in idiopathic hemochromatosis: evidence for decreased estrogen formation. Kley HK, et al. **Hepatology** 1985 Mar-Apr;5(2):251-6

Adrenal function test in beta-thalassemic children. Tuchinda C, et al. **J Med Assoc Thai** 1984 May;67(5):272-7

[Diagnostic use of the determination of the spectrum of 17-oxosteroids during dynamic testing of adrenal and gonadal functions] Nováková J, et al. **Cas Lek Cesk** 1984 Jun 29;123(26):798-802 (Eng. Abstr.) **(Cze)**

[The dexamethasone suppression test in agoraphobia with panic attacks. 30 cases] Cottraux J, et al. **Encephale** 1984; 10(6):267-72 (Eng. Abstr.) **(Fre)**

METHODS

The elucidation of adrenal-cortical status by measuring two-hour urinary-free cortisol levels. Allin RE, et al. **Clin Chim Acta** 1984 Oct 29;143(1):17-22

Corticotropin-releasing factor, a new aid in the diagnosis of pituitary-adrenal disorders? Hermus AR, et al. **Neth J Med** 1985;28(1):2-5 (36 ref.)

[The dexamethasone suppression test in depression. Critical review] Bailly D, et al. **Encephale** 1984;10(4):155-69 (208 ref.) (Eng. Abstr.) **(Fre)**

[The dexamethasone suppression test in child and adolescent psychiatry] Dugas M, et al. **Encephale** 1984;10(6):259-66 (Eng. Abstr.) **(Fre)**

[Plasma and saliva DST (dexamethasone suppression test) in depression. Clinical applications and kinetic approach] Piollet I, et al. **Encephale** 1984;10(6):279-80 (Eng. Abstr.) **(Fre)**

VETERINARY

Evaluation of a combined dexamethasone suppression/ACTH stimulation test in dogs with hyperadrenocorticism. Feldman EC. **J Am Vet Med Assoc** 1985 Jul 1;187(1):49-53

PITUITARY-ADRENAL SYSTEM

[Effect of yang tonics on the uterine estrogen receptors in the depressed hypothalamus-pituitary-adrenal cortex axis rats] Lin YY. **Chung Hsi I Chieh Ho Tsa Chih** 1985 Mar; 5(3):175-7, 133 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

Impairment of adrenergic-induced proopiomelanocortin-related peptide release in heroin addicts. Facchinetti F, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):1-5

Cushing's syndrome with suppression of the hypothalamic-pituitary-adrenal axis after intra-articular steroid injections. O'Sullivan MM, et al. **Ann Rheum Dis** 1985 Aug;44(8):561-3

Tolerance to pituitary-adrenal axis activation by anticancer drugs in normal and tumour-bearing rats. Vacca M, et al. **Arch Toxicol [Suppl]** 1984;7:98-102

The effect of 5,7-dihydroxytryptamine on the serum corticosterone resistance to suppression by dexamethasone. McIntyre IM, et al. **Brain Res** 1984 Aug 20;309(1):156-8

Corticotropin releasing factor administered into the ventricular CSF stimulates the pituitary-adrenal axis. Rock JP, et al. **Brain Res** 1984 Dec 10;323(2):365-8

Hypothalamic-pituitary-adrenal function in children with atopic dermatitis treated with clobetasone butyrate and its clinical evaluation. Boner AL, et al. **Int J Clin Pharmacol Ther Toxicol** 1985 Feb;23(2):118-20

Morphine inhibits the pituitary-adrenal response to ovine corticotropin-releasing hormone in normal subjects. Rittmaster RS, et al. **J Clin Endocrinol Metab** 1985 May; 60(5):891-5

Effect of the long-term administration of corticotropin-releasing factor on the pituitary-adrenal and pituitary-gonadal axis in the male rat. Rivier C, et al. **J Clin Invest** 1985 Feb;75(2):689-94

Hypothalamic-pituitary adrenal (HPAA) axis function in adult Fischer-344 rats exposed during development to neurotoxic chemicals perinatally. Rosecrans JA, et al. **Neurobehav Toxicol Teratol** 1984 Jul-Aug;6(4):281-8

Recovery of the hypothalamo-pituitary-adrenocortical axis in the rat after long-term dexamethasone treatment. Nicholson S, et al. **Neuroendocrinology** 1984 Oct; 39(4):343-9

Increase in plasma ACTH after dopaminergic stimulation in rats. Ježová D, et al. **Psychopharmacology (Berlin)** 1985; 85(2):201-3

Effects of psychotropic drugs (desimipramine, chlorimipramine, sulpiride and diazepam) on the human HPA axis. Laakmann G, et al. **Psychopharmacology (Berlin)** 1984;84(1):66-70

ACTH 1-17 and pituitary-adrenal function in human. Cavagnini F, et al. **Ric Clin Lab** 1984 Apr-Jun;14(2):159-65

Evaluation of pituitary-adrenal function after pituitary surgery. Laurberg P, et al. **Scand J Clin Lab Invest** 1985 Jun;45(4):303-8

[The effect of beclomethasone dipropionate as inhalation therapy on the pituitary-adrenal axis in children] Pijls NH, et al. **Tijdschr Kindergeneeskd** 1985 Apr;53(2):45-9 (Eng. Abstr.) **(Dut)**

[A case of glycyrrhizin-induced pseudoaldosteronism with suppressed pituitary-adrenocortical axis] Okazaki S, et al. **Nippon Naika Gakkai Zasshi** 1984 May;73(5):666-70 **(Jpn)**

[Genetic aspects of the hormonal modification of stress reactivity. I. The prenatal effect of hydrocortisone on the reactivity of the hypophyseoadrenal system of adult August and Wistar strain rats and their 1st generation hybrids] Dygalo NN, et al. **Genetika (Moskva)** 1984 Dec; 20(12):1974-80 (Eng. Abstr.) **(Rus)**

[Effect of cerebral intraventricular administration of 5,6-dihydroxytryptamine and 5,7-dihydroxytryptamine on the cyclic secretion of corticosterone in the rat] Montilla P, et al. **Rev Esp Fisiol** 1984 Sep;40(3):333-9 (Eng. Abstr.) **(Spa)**

INNERVATION

Interactions between hippocampal serotonin and the pituitary-adrenal axis in the septal driving of hippocampal theta-rhythm. Azmitia EC, et al. **Neuroendocrinology** 1984 Nov;39(5):471-5

METABOLISM

[Prolactin in the alcohol withdrawal syndrome. Role of the dopaminergic system] Nardoni A, et al. **Minerva Med** 1984 Dec 15;75(47-48):2833-8 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Morphofunctional changes in the neuroendocrine system in rheumatism and experimental infection of animals with L-forms] Ambardzhanian RS, et al. **Sov Med** 1985;(1):5-10 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Behavioral control, aversive stimulus frequency, and pituitary-adrenal response. Herrmann TF, et al. **Behav Neurosci** 1984 Dec;98(6):1094-9

Release of prostaglandin E2 and beta-endorphin-like immunoreactivity from rat adenohypophysis in vitro: variations after adrenalectomy or lesions of the paraventricular nuclei. Knepel W, et al. **Brain Res** 1985 Feb 4;326(1):87-94

Mechanisms by which stressful stimuli activate the pituitary-adrenal system. Makara GB. **Fed Proc** 1985 Jan; 44(1 Pt 2):149-53

Role of epinephrine and vasopressin in the control of the pituitary-adrenal response to stress. Tilders FJ, et al. **Fed Proc** 1985 Jan;44(1 Pt 2):155-60

Evidence that thymosins and other biologic response modifiers can function as neuroactive immunotransmitters. Hall NR, et al. **J Immunol** 1985 Aug;135(2 Suppl):806s-811s

Inhibition in corticotrophin and corticosterone secretion following photic stimulation in rats with 6-hydroxydopamine injection into the medial forebrain bundle. Feldman S, et al. **J Neurosci Res** 1984;12(1):87-92

The neuropeptide concept. de Wied D. **Maturitas** 1984 Nov; 6(3):217-23 (27 ref.)

Effect of crowding on emotional reactivity in male rats. Armario A, et al. **Neuroendocrinology** 1984 Oct;39(4):330-3

Diurnal variations in responsiveness of the hypothalamo-pituitary-adrenocortical axis of the rat. Nicholson S, et al. **Neuroendocrinology** 1985 Mar; 40(3):217-24

Influence of shock-induced fighting and social factors on pituitary-adrenal activity, prolactin and catecholamine synthesizing enzymes in rats. Mormède P, et al. **Physiol Behav** 1984 May;32(5):723-9

Opioid peptides in the adrenal pituitary axis. Evans CJ, et al. **Psychopharmacol Bull** 1985;21(3):466-71

Pituitary-adrenal mediation of bombesin-induced inhibition of gastrointestinal transit in rats. Gmerek DE, et al. **Regul Pept** 1984 Nov;9(4):299-304

[Endocrine responses to insulin and gestational age in the calf] Richet E, et al. **Reprod Nutr Dev** 1985;25(2):427-38 (Eng. Abstr.) **(Fre)**

[Effect of nitroglycerin-induced hypotension on pituitary-adrenocortical function] Murakawa T, et al. **Masui** 1984 Dec;33(12):1362-5 (Eng. Abstr.) **(Jpn)**

[Hormone rhythm and biological clocks] Hiroshige C. **Nippon Naibunpi Gakkai Zasshi** 1984 Dec 20; 60(12):1464-75 **(Jpn)**

[Electrical activity of the paraventricular hypothalamic nucleus during excitation and inhibition of the hypophyseal-adrenal cortex system] Filaretov AA, et al. **Dokl Akad Nauk SSSR** 1985 Mar-Apr;281(1):230-2 **(Rus)**

[Hypothalamo-hypophyseal-adrenal system in the regulation of immunologic processes] Korneva EA, et al. **Fiziol Zh SSSR** 1984 Sep;70(9):1286-93 (Eng. Abstr.) **(Rus)**

[Effect of early removal from the mother on the behavior of young rats and reactivity of the hypophyseal-adrenocortical system] Lozovskaia RG, et al. **Fiziol Zh SSSR** 1985 Apr;71(4):527-31 (Eng. Abstr.) **(Rus)**

[Regulation of physical activity during head-down tilt by action on the sympathetic-adrenal and hypophyseal-adrenal cortical systems] Shirinian EA, et al. **Kosm Biol Aviakosm Med** 1985 Mar-Apr;19(2):87-9 **(Rus)**

[Effect of mud applications on the hypophyseal-adrenal system of rats of both sexes] Leshchinskii AF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1985 Mar-Apr;(2):9-13 (Eng. Abstr.) **(Rus)**

[Effect of the genotype on the reactivity of the hypothalamo-hypophyseal-adrenal system of chick embryos] Avrutina AIa, et al. **Zh Evol Biokhim Fiziol** 1984 Nov-Dec;20(6):600-3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Recovery of the hypothalamus-pituitary-adrenal axis after short term high dose corticosteroid treatment in neurosurgical practice. Hedner P, et al. **Acta Neurochir (Wien)** 1984;73(3-4):157-63

Hypothesis of a deficiency of central noradrenergic input in DST nonsuppressor depressed patients. A clinical study with determination of DST and plasma DOPEG: negative results. Loo H, et al. **Adv Biochem Psychopharmacol** 1985;40:99-102

The dexamethasone suppression test and pituitary-adrenocortical function. Brown WA, et al. **Arch Gen Psychiatry** 1985 Feb;42(2):121-3

Opioid regulation of hypothalamic-pituitary-adrenal function in depression. Zis AP, et al. **Arch Gen Psychiatry** 1985 Apr;42(4):383-6

Depression and adrenocortical function in spinal cord injury patients: a review. Palmer JB. **Arch Phys Med Rehabil** 1985 Apr;66(4):253-6 (38 ref.)

Dexamethasone suppression test in geriatric depression. Alexopoulos GS, et al. **Biol Psychiatry** 1984 Nov;19(11):1567-71

The dexamethasone suppression test in depressed retarded adults: preliminary findings. Beckwith BE, et al. **Biol Psychiatry** 1985 Aug;20(8):825-31

The dexamethasone suppression test in fibrositis. Hudson JI, et al. **Biol Psychiatry** 1984 Oct;19(10):1489-93

Cortisol response to vasopressin in depression. Krahn DD, et al. **Biol Psychiatry** 1985 Aug;20(8):918-21

What does the dexamethasone suppression test identify? Krishnan KR, et al. **Biol Psychiatry** 1985 Sep;20(9):957-64

Does severity of dementia modulate response to dexamethasone in individuals with primary degenerative dementia? Pomara N, et al. **Biol Psychiatry** 1984 Oct;19(10):1481-7

The dexamethasone suppression test in patients with postpsychotic depressions. Siris SG, et al. **Biol Psychiatry** 1984 Sep;19(9):1351-6

Comparative dexamethasone suppression test measurements in bulimia, depression and normal controls. Musisi S, et al. **Can J Psychiatry** 1985 Apr;30(3):190-4

Disorders of the hypothalamic-pituitary-adrenal axis. Wand GS, et al. **Clin Endocrinol Metab** 1985 Feb;14(1):33-53 (60 ref.)

Dexamethasone suppression test in autistic children. Hoshino Y, et al. **Folia Psychiatr Neurol Jpn** 1984;38(4):445-9

Use of the dexamethasone-adrenocorticotropin test to assess the requirement for continued glucocorticoid replacement therapy after pituitary surgery. Beyer HS, et al. **J Clin Endocrinol Metab** 1985 May;60(5):1012-8

The pituitary-adrenal response to stress in the iron-deficient rat. Dallman PR, et al. **J Nutr** 1984 Oct;114(10):1747-53

Dexamethasone suppression test in affective and other psychiatric disorders. Shima S, et al. **Keio J Med** 1984 Nov;33(4):161-5

The effects of selective opioid delta-receptor antagonists on stress-induced antinociception and plasma corticosterone levels in mice. Hart SL, et al. **Neuropeptides** 1985 Feb;5(4-6):303-6

Disregulation of hypothalamic-pituitary-adrenal axis in the mentally retarded. Sandman CA, et al. **Pharmacol Biochem Behav** 1985 Jul;23(1):21-6

The metyrapone test in depressed males. Morphy MA, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1985;9(2):187-91

Endocrine dysfunction in anorexia nervosa and bulimia: comparison with abnormalities in other psychiatric disorders and disturbances due to metabolic factors. Hudson JI, et al. **Psychiatr Dev** 1984 Winter;2(4):237-72 (246 ref.)

Occurrence of high concentrations of postdexamethasone cortisol in elderly psychiatric inpatients. Fogel BS, et al. **Psychiatry Res** 1985 Jun;15(2):85-90

The dexamethasone suppression and metyrapone tests in depression. Morphy MA, et al. **Psychiatry Res** 1985 Jun;15(2):153-8

Noradrenergic function and the cortisol response to dexamethasone in depression. Rubin AL, et al. **Psychiatry Res** 1985 May;15(1):5-15

Plasma corticosterone and cortisol following dexamethasone in psychiatric patients. Arana GW, et al. **Psychoneuroendocrinology** 1985;10(1):49-60

Depression, hypothalamic-pituitary-adrenocortical activity, and lymphocyte function. Kronfol Z, et al. **Psychopharmacol Bull** 1985;21(3):476-8

Effects of chronic noise or daily water restriction on the pituitary-adrenal axis in male rats. Armario A, et al. **Rev Esp Fisiol** 1984 Jun;40(2):153-7

Human psychobiology in Scandinavia: II. Psychoneuroendocrinology--human stress and coping processes. Lundberg U. **Scand J Psychol** 1984;25(3):214-26

[Value of the dexamethasone suppression test in a sample of sectorized patients] Gaillard P, et al. **Ann Med Psychol (Paris)** 1984 Jul-Aug;142(7):1001-7 (Eng. Abstr.) **(Fre)**

[Rapid beta 1-24-corticotropin test in the exploration of the corticotropic axis. 71 cases] Chaieb L, et al. **Presse Med** 1984 Oct 13;13(36):2183-7 (Eng. Abstr.) **(Fre)**

[Hormones of the pituitary-adrenal cortex system in patients under long-term sedation with etomidate and fentanyl] Kochs E, et al. **Anaesthesist** 1984 Sep;33(9):402-7 (Eng. Abstr.) **(Ger)**

[Behavior of the hypophyseal-adrenal cortex system in inhalation and conduction anesthesia. A review with comparative study] Seitz W, et al. **Anasth Intensivther Notfallmed** 1985 Jun;20(3):119-24 (Eng. Abstr.) **(Ger)**

[Pituitary-adrenocortical response to surgical stress in male patients] Funahashi H, et al. **Nippon Geka Gakkai Zasshi** 1985 Mar;86(3):240-50 (Eng. Abstr.) **(Jpn)**

[Corticotropin releasing factor (CRF)-stimulating test in patients with disorders of the hypothalamo-pituitary-adrenal axis] Hashimoto K, et al. **Nippon Naika Gakkai Zasshi** 1984 Sep;73(9):1317-24 **(Jpn)**

[Use of functional tests for defining the origin of menstruation disorders] Pamfamirov IuK, et al. **Akush Ginekol (Mosk)** 1985 Feb;(2):25-8 (Eng. Abstr.) **(Rus)**

[Hormonal homeostasis during surgical treatment of large-intestinal cancer associated with ischemic heart disease] Samedov NA, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):56-9 (Eng. Abstr.) **(Rus)**

[Effect of ketamine-seduxen general anesthesia on neuroendocrine reactions in patients operated on for pituitary adenoma] Usvatova IIa, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):16-20 (Eng. Abstr.) **(Rus)**

[Functional activity of the thymus gland and pituitary-adrenal system in patients with malignant skin melanoma] Labunets IF, et al. **Eksp Onkol** 1984;6(1):63-5 (Eng. Abstr.) **(Rus)**

[The pituitary-adrenal system in cancer of the esophagus and stomach] Tarutinov VI, et al. **Eksp Onkol** 1984;6(4):55-7 (Eng. Abstr.) **(Rus)**

[Indicators of scintigraphy using technetium Tc 99m pyrophosphate in angina pectoris in relation to the activity of the pituitary-adrenal system] Vinogradov AV, et al. **Kardiologiia** 1984 Oct;24(10):12-5 (Eng. Abstr.) **(Rus)**

[Combined examination of the hypophysis-adrenal cortex system in breast cancer] Baramidze TG, et al. **Med Radiol (Mosk)** 1985 Jun;30(6):30-4 (Eng. Abstr.) **(Rus)**

[Functional state of the hypothalamo-hypophyseo-adrenal system and its correction in shock] El'skii VN, et al. **Patol Fiziol Eksp Ter** 1984 Nov-Dec;(6):83-6 **(Rus)**

[Interrelations between the hypothalamo-hypophyseo-adrenal and sympathetico-adrenal systems in the early period of formation of the posttraumatic reaction] Lysyi LT. **Patol Fiziol Eksp Ter** 1984 Nov-Dec;(6):15-8 (Eng. Abstr.) **(Rus)**

[Effect of reflexotherapy on the function of the hypophyseal-adrenal system] Markelova VF, et al. **Patol Fiziol Eksp Ter** 1985 Jan-Feb;(1):38-41 (Eng. Abstr.) **(Rus)**

[The pituitary-adrenal system in peptic ulcer and chronic gastritis] Vakhrushev IaM. **Sov Med** 1984;(10):13-5 (Eng. Abstr.) **(Rus)**

[Circadian rhythm of the pituitary-adrenal system in rheumatoid arthritis] Davletshin RA. **Ter Arkh** 1984;56(12):97-9 (Eng. Abstr.) **(Rus)**

[Functional state of the pituitary-adrenal system in patients with nonspecific ulcerative colitis] Gerasimov VK, et al. **Ter Arkh** 1985;57(2):88-9 **(Rus)**

[Dexamethasone suppression test and unipolar-bipolar classification of depression] Ayuso Gutiérrez JL, et al. **Actas Luso Esp Neurol Psiquiatr** 1985 Jan-Feb;13(1):1-4 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

[Effect of a single dose of weak ultra-low frequency electromagnetic fields on endocrine indicators] Zagorskaia EA. **Fiziol Cheloveka** 1985 Mar-Apr;11(2):293-9 **(Rus)**

SECRETION

[Effect of dopaminergic agents on the endocrine profile in labor and early puerperium] Kubota T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 Jun;37(6):945-54 (Eng. Abstr.) **(Jpn)**

[Neuroendocrinology] Hartwig W. **Pol Arch Med Wewn** 1985 Feb;73(2):129-36 **(Pol)**

PITUITARY DISEASES

Granulomatous angiitis and the pituitary gland [letter] **Ann Intern Med** 1985 Jul;103(1):155-7

BLOOD

Pituitary apoplexy, the Houssay phenomenon, and accelerated proliferative retinopathy. Petersen P, et al. **Am J Med** 1985 Sep;79(3):385-8

Impotence associated with low biological to immunological ratio of luteinizing hormone in a man with a pituitary stone. Plourde PV, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):797-802

CEREBROSPINAL FLUID

Somatomedin levels in cerebrospinal fluid from adults with pituitary disorders. Bäckström M, et al. **Acta Endocrinol (Copenh)** 1984 Oct;107(2):171-8

CHEMICALLY INDUCED

Tolerance to prolactin secretion in the long-term treatment with neuroleptics in schizophrenia. Igarashi Y, et al. **Adv Biochem Psychopharmacol** 1985;40:95-8

Pituitary apoplexy [letter] Mikhailidis DP, et al. **Br Med J [Clin Res]** 1985 Aug 17;291(6493):488-9

Effects of neonatal chlordecone exposure on pituitary-adrenal function in adult Fischer-344 rats. Rosecrans JA, et al. **Neurobehav Toxicol Teratol** 1985 Jan-Feb;7(1):33-7

COMPLICATIONS

Adult hydrocephalus and the empty sella. Bjerre P, et al. **Acta Neurol Scand** 1984 Sep;70(3):201-3

Believing your husband has been replaced by an impostor because you have a pituitary tumour [letter] Sumners D. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):699-700

Ophthalmic manifestations of pituitary apoplexy. Fong LP, et al. **Med J Aust** 1985 Jan 21;142(2):142-3

[Pituitary apoplexy with an unruptured carotid-ophthalmic aneurysm] Nakagawara J, et al. **No Shinkei Geka** 1985 Mar;13(3):307-11 (Eng. Abstr.) **(Jpn)**

[Symptomatic cyst of Rathke's pouch] González-Darder JM, et al. **Rev Clin Esp** 1985 May;176(9):471-2 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Endocrinological differentiation of primary hypothalamic and pituitary disease. Müller EE. **Acta Neurochir (Wien)** 1985;75(1-4):91-8

Corticotropin releasing factor (CRF): diagnostic implications. Müller OA, et al. **Acta Neurochir (Wien)** 1985;75(1-4):49-59

Pituitary apoplexy. A review. Reid RL, et al. **Arch Neurol** 1985 Jul;42(7):712-9

Prolactin response to thyrotropin-releasing hormone (TRH) in patients with hypothalamic-pituitary disease. Barbieri RL, et al. **Fertil Steril** 1985 Jan;43(1):66-73

A practical approach to pituitary testing. Stonesifer LD. **J Arkansas Med Soc** 1984 Nov;81(6):304-7

Corticotropin- and growth hormone-releasing factor (CRF and GRF) in the diagnosis of hypothalamo-pituitary diseases. von Werder K, et al. **Neurosurg Rev** 1985;8(3-4):155-65

Planum sphenoidale meningioma mimicking pituitary apoplexy: a case report. Marano SR, et al. **Neurosurgery** 1984 Dec;15(6):859-62

Magnetic resonance imaging of the pituitary gland. Kaufman B. **Radiol Clin North Am** 1984 Dec;22(4):795-803

Pituitary and ovarian abnormalities demonstrated by CT and ultrasound in children with features of the McCune-Albright syndrome. Rieth KG, et al. **Radiology** 1984 Nov;153(2):389-93

Hypothalamic-pituitary sarcoidosis. A case report. Ismail F, et al. **S Afr Med J** 1985 Jan 26;67(4):139-42

[Diagnosis of hyperprolactinemia] Schatz H. **Dtsch Med Wochenschr** 1985 Jun 14;110(24):962-3 **(Ger)**

[Diagnostic and therapeutic aspects of growth-hormone releasing factor] von Werder K, et al. **Internist (Berlin)** 1985 May;26(5):259-65 **(Ger)**

[Pituitary apoplexy presenting as meningo-encephalitis] Huberman M, et al. **Harefuah** 1984 Nov 1;107(9):228-9 (Eng. Abstr.) **(Heb)**

[A case of sarcoidosis involving multiple organs presenting hypothalamus-hypophysis system disturbance] Fukuda K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1985 Feb;23(2):230-6 (Eng. Abstr.) **(Jpn)**

[5 case reports: Hypophyseal apoplexy--a noteworthy problem of differential diagnosis] Hägg E, et al. **Lakartidningen** 1984 Oct 24;81(43):3937-40 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

[Liposomes of hypothalamic phospholipids: evaluation of their efficacy in subjects pretreated with sulpiride] Grandi M, et al. **Clin Ter** 1984 Oct 31;111(2):147-54 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Granulomatous angiitis presenting with polymyalgia rheumatica and abnormal pituitary function. Miller RH, et al. **Ann Intern Med** 1985 Feb;102(2):210-1

Pituitary apoplexy after combined test of anterior pituitary function. Chapman AJ, et al. **Br Med J [Clin Res]** 1985 Jul 6;291(6487):26

Primary hypothyroidism associated with pituitary enlargement, slipped capital femoral epiphysis and cystic ovaries. Nishi Y, et al. **Eur J Pediatr** 1985 Jan;143(3):216–9

Pituitary abscess following asymptomatic sphenoid sinusitis. Marks PV, et al. **J Laryngol Otol** 1984 Nov;98(11):1151–5

Pituitary enlargement mimicking pituitary tumor. Bilaniuk LT, et al. **J Neurosurg** 1985 Jul;63(1):39–42

Hypothalamic-adenohypophyseal origin of reproductive failure in mice following chronic infection with Toxoplasma gondii. Stahl W, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):246–9

METABOLISM

An ultrastructural study on muciparous microcysts of the human adenohypophysis. Cinti S, et al. **Acta Anat (Basel)** 1985;121(2):94–8

The constant plasma 18-hydroxycorticosterone to aldosterone ratio: an expression of the efficacy of corticosterone methyloxidase type II activity in disorders with variable aldosterone production. Kater CE, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):225–8

PATHOLOGY

Lymphocytic adenohypophysitis. A review and a case. Madsen FF, et al. **Dan Med Bull** 1985 Jun;32(3):185–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 5-1985. A 33-year-old woman with pituitary dysfunction and diabetes mellitus. **N Engl J Med** 1985 Jan 31;312(5):297–305

Pathology of the pituitary and sellar region: exclusive of pituitary adenoma. Scheithauer BW. **Pathol Annu** 1985;20 Pt 1:67–155 (388 ref.)

Workshop on pituitary pathology (2nd meeting of the Pituitary Pathology Club). Oaxtepec, Morelos (Mexico), June 19 to 22, 1984. **Rev Invest Clin** 1984 Apr–Jun; 36(2):193–211

[Pearl tumor and telangiectasia of the hypophysis as a cause of sudden death] Matsko DE, et al. **Sud Med Ekspert** 1985 Apr–Jun;28(2):61–2 **(Rus)**

PHYSIOPATHOLOGY

[Functional hyperprolactinemia] Drapier-Faure E. **Rev Fr Gynecol Obstet** 1985 Jul;80(7):519–23 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

CT of pituitary abscess. Fong TC, et al. **AJR** 1985 Jun; 144(6):1141–2

SURGERY

Pituitary surgery: current status, including transsphenoidal surgery. Lee KJ, et al. **Am J Otolaryngol** 1984 Mar–Apr; 5(2):138–50 (65 ref.)

Management of polyuria subsequent to pituitary surgery based on the diurnal pattern of urinary excretion. Fujii T, et al. **Surg Neurol** 1985 Jan;23(1):49–55

[Neurosurgical therapy of neuroendocrinologic disorders] Fahlbusch R, et al. **Internist (Berlin)** 1985 May; 26(5):293–301 **(Ger)**

THERAPY

[Therapy of hyperprolactinemia] Schatz H. **Dtsch Med Wochenschr** 1985 Jun 14;110(24):964–6 **(Ger)**

VETERINARY

Experimental studies on cysts in the prolactin zone of the pituitary in the 9-spined stickleback, Pungitius pungitius L. Benjamin M. **J Comp Pathol** 1985 Jan;95(1):57–64

PITUITARY FUNCTION TESTS

Pituitary apoplexy after combined test of anterior pituitary function. Chapman AJ, et al. **Br Med J [Clin Res]** 1985 Jul 6;291(6487):26

Pituitary function testing in patients with radiographically evident pituitary tumors. Pavasuthipaisit K, et al. **J Med Assoc Thai** 1985 Mar;68(3):139–45

[Modern diagnostic trends and methods in clinical endocrinology] Hrnčiar J. **Vnitr Lek** 1985 Apr;31(4):371–6 **(Slo)**

[Adenohypophysis secretion in children: comparison between a combined test and isolated stimulation tests] Ferrer I, et al. **An Esp Pediatr** 1984 Aug;21(2):119–23 (Eng. Abstr.) **(Spa)**

METHODS

A practical approach to pituitary testing. Stonesifer LD. **J Arkansas Med Soc** 1984 Nov;81(6):304–7

Rapid sequential intravenous administration of four hypothalamic releasing hormones as a combined anterior pituitary function test in normal subjects. Sheldon WR Jr, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):623–30

Quadruple injection of hypothalamic peptides to evaluate pituitary function in normal subjects. Kaltenborn KC, et al. **West J Med** 1985 Jan;142(1):37–41

PITUITARY GLAND

see related
HYPOPHYSECTOMY

Lymphoid hypophysitis in a patient with lymphoid thyroiditis, lymphoid adrenalitis, and idiopathic retroperitoneal fibrosis. Sobrinho-Simões M, et al. **Arch Pathol Lab Med** 1985 Mar;109(3):230–3

Suprasellar peri-infundibular ectopic adenohypophysis in fetal and adult brains. Hori A. **J Neurosurg** 1985 Jul; 63(1):113–5

[An intracranial tumor in an unusual location associated with Cushing's syndrome] Dušková J, et al. **Cesk Patol** 1985 May;21(2):113–7 (Eng. Abstr.) **(Cze)**

ABNORMALITIES

Duplication of the pituitary gland and spinal cord. Roessmann U. **Arch Pathol Lab Med** 1985 Jun; 109(6):518–20

Double pituitary glands with partial duplication of facial and fore brain structures with hydrocephalus. Bagherian V, et al. **Comput Radiol** 1984 Jul–Aug;8(4):203–10

ANALYSIS

Median charge and charge heterogeneity of human pituitary FSH, LH and TSH. II. Relationship to sex and age. Wide L. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):190–7

Median charge and charge heterogeneity of human pituitary FSH, LH and TSH. I. Zone electrophoresis in agarose suspension. Wide L. **Acta Endocrinol (Copenh)** 1985 Jun; 109(2):181–9

Opiomelanocorticotropic-like hormones in Vipera aspis pituitary. Uva B, et al. **Acta Histochem (Jena)** 1985; 76(1):81–7

Beta-endorphin-related peptides in the human pituitary. Isolation and characterization of major immunoreactive peptides, including the formerly unrecognized peptide beta-endorphin 1-18. Vuolteenaho O. **Acta Physiol Scand** [Suppl] 1984;531:1–84

Hemorrhagic shock and the central vasopressin and opioid peptide system of rats. Feuerstein G, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E244–50

Application of the peroxidase-antiperoxidase procedure to the localization of pituitary hormones and calcitonin in various domestic animals and human beings. Sandusky GE Jr, et al. **Am J Vet Res** 1985 Mar;46(3):739–41

Neurochemistry of cholecystokinin in brain, pituitary, and cerebrospinal fluid. Beinfeld MC, et al. **Ann NY Acad Sci** 1985;448:44–52

Co-existence of cholecystokinin- or gastrin-like peptides with other peptides in the hypophysis and the hypothalamus. Vanderhaeghen JJ, et al. **Ann NY Acad Sci** 1985;448:334–44

Anti-insulin-like (diabetogenic) peptides in pituitary extracts: role of oxytocin. Stephenson FA, et al. **Arch Biochem Biophys** 1984 Oct;234(1):214–29

GAWK, a novel human pituitary polypeptide: isolation, immunocytochemical localization and complete amino acid sequence. Benjannet S, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):602–9

Sexual dimorphism in amino acid compositions of mouse prolactin. Hashimoto H, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1209–16

Naturally-occurring pituitary growth hormone is phosphorylated. Liberti JP, et al. **Biochem Biophys Res Commun** 1985 Apr 30;128(2):713–20

Neuromedin B is a major bombesin-like peptide in rat brain: regional distribution of neuromedin B and neuromedin C in rat brain, pituitary and spinal cord. Minamino N, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):925–32

Radioimmunoassay for beta-endorphin (1-18), a novel pituitary peptide derived from proopiomelanocortin. Vuolteenaho O. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1226–32

Ginseng saponin treatment does not alter brain or pituitary levels of beta-endorphin and dynorphin. Ho WK, et al. **Biochem Pharmacol** 1985 Jun 1;34(11):2044–6

Adrenocorticotrophic hormone in the anterior and neurointermediate lobes of the rat during the perinatal period: polymorphism, biological and immunological activities of ACTH. Chatelain A, et al. **Biol Neonate** 1985; 47(4):235–48

Effects of serotonin depleters on the contents of beta-endorphin, alpha-melanotropin and adrenocorticotropin in rat brain and pituitary. Fukata J, et al. **Brain Res** 1984 Dec 24;324(2):289–93

Regional distribution of a novel pituitary protein (7B2) in the rat brain. Iguchi H, et al. **Brain Res** 1985 Jul 8; 338(1):91–6

Evidence for a novel pituitary factor that potentiates the mitogenic effect of estrogen in human breast cancer cells. Dembinski TC, et al. **Cancer Res** 1985 Jul;45(7):3083–9

Quantitative measurement of angiotensin II (A II) receptors in discrete regions of rat brain, pituitary and adrenal gland by autoradiography. Israel A, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):1761–4

Kallikrein-kinins in the central nervous system. Scicli AG, et al. **Clin Exp Hypertens** [A] 1984;6(10–11):1731–8

Quantitation of proenkephalin A messenger RNA in bovine brain, pituitary and adrenal medulla: correlation between mRNA and peptide levels. Pittius CW, et al. **EMBO J** 1985 May;4(5):1257–60

Peripheral-type benzodiazepine receptors in endocrine organs: autoradiographic localization in rat pituitary, adrenal, and testis. De Souza EB, et al. **Endocrinology** 1985 Feb;116(2):567–73

Glycosylated human prolactin. Lewis UJ, et al. **Endocrinology** 1985 Jan;116(1):359–63

In vitro conditions modify immunoassayability of bovine pituitary prolactin and growth hormone: insights into their secretory granule storage forms. Lorenson MY. **Endocrinology** 1985 Apr;116(4):1399–407

Serotonergic elements of the mammalian pituitary. Payette RF, et al. **Endocrinology** 1985 May;116(5):1933–42

Somatostatin receptors in the rat adrenal cortex: characterization and comparison with brain and pituitary receptors. Srikant CB, et al. **Endocrinology** 1985 May; 116(5):1717–23

Purification and characterization of a hormone-like factor which inhibits cholera secretion. Lönnroth I, et al. **FEBS Lett** 1984 Nov 5;177(1):104–8

The identification and characterization of alpha-N-acetylated beta-endorphin in the human pituitary gland. Smith AI, et al. **FEBS Lett** 1985 Jun 3;185(1):109–11

Corticotrophin-like bioactivity in the pituitary gland and brain of the pacific hagfish, Eptatretus stouti. Buckingham JC, et al. **Gen Comp Endocrinol** 1985 Mar;57(3):434–7

Development and validation of a salmon prolactin radioimmunoassay. Hirano T, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):266–76

Diel variations in arginine vasotocin content of goldfish brain and pituitary: effects of photoperiod and pinealectomy. Hontela A, et al. **Gen Comp Endocrinol** 1985 Mar; 57(3):397–404

Purification and properties of chicken growth hormone and the development of a homologous radioimmunoassay. Leung FC, et al. **Gen Comp Endocrinol** 1984 Dec; 56(3):389–400

Evidence for the existence of [Gln9]-beta-lipotropin in human pituitary glands. Chung D, et al. **Int J Pept Protein Res** 1985 Jan;25(1):9–14

Isolation of pituitary fibroblast growth factor by fast protein liquid chromatography (FPLC): partial chemical and biological characterization. Gospodarowicz D, et al. **J Cell Physiol** 1985 Feb;122(2):323–32

Comparison by gel filtration chromatography and reversed-phase high-performance liquid chromatography of the immunoreactive growth hormone composition of a human pituitary extract. Patience RL, et al. **J Chromatogr** 1985 May 24;324(2):385–93

Isolated growth hormone deficiency: immunocytochemistry. Schechter J, et al. **J Clin Endocrinol Metab** 1984 Oct; 59(4):798–800

Cleaved prolactin: evidence for its occurrence in human pituitary gland and plasma. Sinha YN, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):239–43

Immunocytochemistry of folliculo-stellate cells of normal and neoplastic human pituitary gland. Morris CS, et al. **J Clin Pathol** 1985 May;38(5):481–8

Opioid peptides of the pituitary and hypothalamus: changes in pregnant and lactating rats. Petraglia F, et al. **J Endocrinol** 1985 May;105(2):239–45

Studies of the heterogeneity of human pituitary LH by fast protein liquid chromatography. Stockell Hartree A, et al. **J Endocrinol** 1985 Jun;105(3):405–13

A double-immunostaining procedure using colloidal gold, ferritin, and peroxidase as markers for simultaneous detection of two hypophysial hormones with the electron microscope. Doerr-Schott J, et al. **J Histochem Cytochem** 1984 Nov;32(11):1159–66

Histamine-containing peripheral neuronal and endocrine systems. Panula P, et al. **J Histochem Cytochem** 1985 Sep; 33(9):933–41

Various types of thyrotropin-releasing hormone receptors in discrete brain regions and the pituitary of the rat. Funatsu K, et al. **J Neurochem** 1985 Aug;45(2):390–7

N alpha-Acetyl-gamma-endorphin is an endogenous non-opioid neuropeptide with biological activity. Wiegant VM, et al. **Life Sci** 1985 Jun 17;36(24):2277–85

Inhibition of cyclic AMP-mediated intestinal hypersecretion by pituitary extracts from rats pretreated with cholera toxin. Lönnroth I, et al. **Med Biol** 1984;62(5):290–4

Electrofocusing fractionation of follicle stimulating hormone in pituitary cell culture extracts from male and female rats. Foulds LM, et al. **Mol Cell Endocrinol** 1985 Jul; 41(2–3):129–36

Senescent change in tissue weight and immunoreactive beta-endorphin, enkephalin, and vasopressin in eight regions of C57BL/6J mouse brain and pituitary. Rogers J, et al. **Neurobiol Aging** 1985 Spring;6(1):1–9

Corticotropin-releasing factor receptors in human pituitary gland: autoradiographic localization. De Souza EB, et al. **Neuroendocrinology** 1985 May;40(5):419–22

Tissue distribution and molecular forms of a novel pituitary protein in the rat. Iguchi H, et al. **Neuroendocrinology** 1984 Nov;39(5):453–8

Lesions of the hypothalamic arcuate nucleus modify discrete brain and pituitary pools of dynorphin in addition to beta-endorphin in the rat. Millan MH, et al. **Neurosci Lett** 1984 Jul 27;48(2):149–54

Regional distribution of a novel pituitary protein (7B2) in the rat spinal cord: effect of neonatal capsaicin treatment and thoracic cord transection. Suzuki H, et al. **Neurosci Lett** 1985 Apr 9;55(2):151–6

Biphasic effects of chronic nicotine treatment on hypothalamic immunoreactive beta-endorphin in the mouse. Rosecrans JA, et al. **Pharmacol Biochem Behav** 1985

Jul;23(1):141-3

Isolation of brain fibroblast growth factor by heparin-Sepharose affinity chromatography: identity with pituitary fibroblast growth factor. Gospodarowicz D, et al. **Proc Natl Acad Sci USA** 1984 Nov;81(22):6963-7

A general procedure for analysis of proenkephalin B derived opioid peptides. Christensson-Nylander I, et al. **Regul Pept** 1985 May;11(1):65-76

[The preparation of an hCG-specific immunoadsorbent using hCG beta-carboxyl-terminal peptide antibody and its application to isolate HCG-like substances from human pituitary glands] Matsuura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Jun 20;60(6):800-13 (Eng. Abstr.) **(Jpn)**

[Biochemical properties of renin in human pituitary tissue] Mizuno K, et al. **Nippon Naibunpi Gakkai Zasshi** 1985 May 20;61(5):571-80 (Eng. Abstr.) **(Jpn)**

[Multiple forms of hypophyseal prolactin. A new glycosylated form of prolactin with increased biological activity] Butnev VIu, et al. **Biokhimiia** 1984 Nov; 49(11):1828-39 (Eng. Abstr.) **(Rus)**

[Immunochemical identification of the growth hormone and prolactin in the hypophyseal polypeptide spectrum of chickens] Barabanov VM. **Biull Eksp Biol Med** 1985 Aug; 100(8):219-21 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Ultrastructural immunocytochemistry of gonadotrophs in the goldfish pituitary gland. Kaneko T, et al. **Cell Tissue Res** 1985;239(2):337-42

Wall of infundibular recess: a CT and MR study. Gomori JM, et al. **J Comput Assist Tomogr** 1985 Jul-Aug;9(4):705-7

Hypophyseal region--anatomy of the operative approaches. Lang J. **Neurosurg Rev** 1985;8(2):93-124

The pituitary fossa: a correlative anatomic and MR study. Mark L, et al. **Radiology** 1984 Nov;153(2):453-7

[Normal and pathologic anatomy of the pituitary and pituitary adenomas] Ulrich J. **Schweiz Rundsch Med Prax** 1984 Aug 7;73(32):971-4 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Granulomatous angiitis and the pituitary gland [letter] **Ann Intern Med** 1985 Jul;103(1):155-7

Blood vascular bed of the rat pituitary intermediate lobe, with special reference to its development and portal drainage into the anterior lobe. A scanning electron microscope study of vascular casts. Murakami T, et al. **Arch Histol Jpn** 1985 Feb;48(1):69-87

Pituitary infarction and development of the empty sella syndrome after gastrointestinal haemorrhage. Jones NS, et al. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):661-2

Characterization of enkephalins and related peptides in rat hypophysial portal blood. Castanas E, et al. **Brain Res** 1984 Sep 17;310(1):1-6

Central modulation of immunoreactive arginine vasopressin and oxytocin secretion into the hypophysial-portal circulation by corticotropin-releasing factor. Plotsky PM, et al. **Endocrinology** 1985 Apr;116(4):1669-71

Decline of tuberoinfundibular dopaminergic function resulting from chronic hyperprolactinemia in rats. Sarkar DK, et al. **Endocrinology** 1984 Oct;115(4):1269-74

Measurement of hypothalamic corticotropin-releasing factors in hypophyseal portal blood. Gibbs DM. **Fed Proc** 1985 Jan;44(1 Pt 2):203-6

Absence of intercavernous venous mixing: evidence supporting lateralization of pituitary microadenomas by venous sampling. Oldfield EH, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):644-7

Levels of dopamine and thyrotrophin-releasing hormone in hypophysial stalk blood during an oestrogen-stimulated surge of prolactin in the ovariectomized rat. de Greef WJ, et al. **J Endocrinol** 1985 Apr;105(1):107-12

Oxytocin and vasopressin in rat hypophysial portal blood: experimental studies in normal and Brattleboro rats. Horn AM, et al. **J Endocrinol** 1985 Feb;104(2):211-24

Pituitary apoplexy in an acromegalic patient during bromocriptine therapy. Case report. Alhajje A, et al. **J Neurosurg** 1985 Aug;63(2):288-92

Formation of a direct arterial blood supply to the anterior pituitary gland following complete or partial interruption of the hypophyseal portal vessels. Monnet F, et al. **Neuroendocrinology** 1984 Sep;39(3):251-5

Cyclic variation of oxytocin in the blood of pituitary portal vessels of rats. Sarkar DK, et al. **Neuroendocrinology** 1984 Nov;39(5):481-3

Isolated adrenocorticotropic hormone deficiency with antepartum pituitary infarction in a type I diabetic. Wieland RG, et al. **Obstet Gynecol** 1985 Mar;65(3 Suppl):58S-59S

CYTOLOGY

The effect of reserpine on the pars intermedia of the rat pituitary. An electron-microscopic, fluorescence-histochemical and immunohistochemical study. Bäck N, et al. **Cell Tissue Res** 1985;241(1):1-8

Gonadotropin-releasing hormone-immunoreactive neuronal structures in the brain and pituitary of the African catfish, Clarias gariepinus (Burchell). Goos HJ, et al. **Cell Tissue Res** 1985;241(3):593-6

Immunoreactive neuronal pathways of growth hormone-releasing hormone (GRH) in the brain and pituitary of the teleost Gadus morhua. Pan JX, et al. **Cell Tissue Res** 1985;241(3):487-93

Granulated folliculo-stellate cells and growth hormone cells immunostained with anti-S 100 protein serum in the pituitary glands of the goat. Shirasawa N, et al. **Cell Tissue Res** 1984;237(1):7-14

Compensatory development of immature LH cells after long-term gonadectomy: an immunocytochemical, electron microscopic and cell count study. Kihara H. **Endocrinol Jpn** 1984 Aug;31(4):395-406

Immunocytochemical localization of glucocorticoid receptor in target cells. Antakly T, et al. **Endocrinology** 1984 Nov; 115(5):1984-9

Calcium mobilization in the pituitary gonadotrope: relative roles of intra- and extracellular sources. Bates MD, et al. **Endocrinology** 1984 Oct;115(4):1380-5

Enumeration of lactotropes and somatotropes among male and female pituitary cells in culture: evidence in favor of a mammosomatotrope subpopulation in the rat. Leong DA, et al. **Endocrinology** 1985 Apr;116(4):1371-8

Supramarginal cells in the rat pituitary cleft revealed by scanning electron microscopy. Correr S, et al. **Experientia** 1985 May 15;41(5):617-20

Adenohypophyseal cell types in the pituitary gland of Osteobrama cotio (Ham.). Sahai S. **Folia Morphol (Praha)** 1984;32(3):279-84

Identification by immunofluorescence of ACTH-producing cells in the pituitary gland of the tree frog Hyla arborea. Campantico E, et al. **Gen Comp Endocrinol** 1985 Aug; 59(2):192-8

Identification by immunofluorescence of prolactin- and somatotrophin-producing cells in the pituitary gland of the tree frog Hyla arborea. Campantico E, et al. **Gen Comp Endocrinol** 1985 Jan;57(1):110-6

Endocrine changes associated with the human aging process: II. Effect of age on the number and size of thyrotropin immunoreactive cells in the human pituitary. Zegarelli-Schmidt E, et al. **Hum Pathol** 1985 Mar; 16(3):277-86

Identification of seven hormone-producing cell types in the human pharyngeal hypophysis. Ciocca DR, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):212-6

Two distinct populations of calcium channels in a clonal line of pituitary cells. Armstrong CM, et al. **Science** 1985 Jan 4;227(4682):65-7

[Histological changes in hypophyseal lactotrophs in rats after administration of metoclopramide] Dušková J, et al. **Cas Lek Cesk** 1984 Jul 6;123(27):822-4 (Eng. Abstr.) **(Cze)**

DRUG EFFECTS

Effects of oestradiol benzoate on the pituitary secretion and peripheral kinetics of thyrotrophin in the rat. Boado R, et al. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):232-6

Biphasic modulation of pituitary sensitivity to GnRH by oestrogens: the effects of A- and D-ring substitution on LH release in cultured pituitary cells. Emons G, et al. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):317-27

Sequential changes in the pituitary thyroid axis after chronic TRH administration: effects on euthyroid and thyroxine treated female rats. Iglesias R, et al. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):237-42

Involvement of norepinephrine in pituitary LH release induced by oestradiol in vitro. Miyake A, et al. **Acta Endocrinol (Copenh)** 1984 Oct;107(2):199-203

Effects of long-term treatment with thyroxine on pituitary TSH secretion and heart action in patients with hypothyroidism. Yamauchi K, et al. **Acta Endocrinol (Copenh)** 1984 Oct;107(2):218-24

Effect of dopamine receptor stimulation on the inhibition of LH pulsatility by a met-enkephaline (FK 33-824). del Pozo E, et al. **Acta Neurochir (Wien)** 1985;75(1-4):88-90

Electrophysiologic evidence for involvement of the pituitary region in opiate analgesia. Trouwborst A, et al. **Anesth Analg** 1985 Aug;64(8):781-5

Amiodarone-induced relative pituitary insensitivity [letter] Weissel M, et al. **Arch Intern Med** 1984 Dec;144(12):2433

Influence of dopaminergic agents on beta-endorphin processing in rat pars intermedia. Ham J, et al. **Biochem Soc Trans** 1984 Dec;12(6):927-9

Gonadotropin-releasing hormone stimulation of pituitary gonadotrope cells produces an increase in intracellular calcium. Clapper DL, et al. **Biol Reprod** 1985 Mar; 32(2):269-78

The effects of ranitidine on pituitary-thyroid function. Hine KR, et al. **Br J Clin Pharmacol** 1984 Oct;18(4):608-11

Effects of prostaglandin F2 alpha on prolactin secretion in the fowl. Hall TR, et al. **Br Poult Sci** 1985 Apr;26(2):239-45

Down-regulation of neural corticosterone receptors by corticosterone and dexamethasone. Sapolsky RM, et al. **Brain Res** 1985 Jul 22;339(1):161-5

Seasonal changes in the secretion of gonadotropic hormones and in the endocrine response of the pituitary of male sheep in the absence of gonadal influence. Sanford LM, et al. **Can J Physiol Pharmacol** 1984 Jul;62(7):834-9

Seasonal changes in the endocrine responsiveness of the pituitary and tests of male sheep in relation to their patterns of gonadotropic hormone and testosterone secretion. Sanford LM, et al. **Can J Physiol Pharmacol** 1984 Jul; 62(7):827-33

Fine-structural heterogeneity and morphologic changes in rat pituitary prolactin cells after estrogen and testosterone treatment. Nogami H. **Cell Tissue Res** 1984;237(2):195-202

Electrophysiological studies of peptide actions on the excitability of cultured nerve and pituitary cells. Barker JL, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):1701-16 (32 ref.)

Oral contraceptives and pituitary response to GnRH: comparative study of progestin-related effects. Römmler A, et al. **Contraception** 1985 Mar;31(3):295-303

Effect of dexamethasone on the release of pituitary hormones in monolayer cultures of rat pituitary cells. Nakagawa K, et al. **Endocrinol Jpn** 1985 Feb;32(1):61-4

Differential effects of thyrotropin-releasing hormone, vasoactive intestinal peptide, phorbol ester, and depolarization in GH4C1 rat pituitary cells. Aizawa T, et al. **Endocrinology** 1985 Mar;116(3):909-19

Progesterone decreases the responsiveness of ovine pituitary cultures to luteinizing hormone-releasing hormone. Batra SK, et al. **Endocrinology** 1985 Oct;117(4):1436-40

Inhibition of gonadotropin-releasing hormone release as the basis of pituitary-gonadal dysfunction during treatment with 4-aminopyrazolo-(3,4-d)-pyrimidine. Blank MS, et al. **Endocrinology** 1985 May;116(5):1778-83

The mechanism of 17 beta-estradiol uptake into prolactin-producing rat pituitary cells (GH3 cells) in culture. Kilvik K, et al. **Endocrinology** 1985 Sep; 117(3):967-75

Cysteamine causes reduction of prolactin monomers followed by aggregation in the rat pituitary gland. Scammell JG, et al. **Endocrinology** 1985 Jun;116(6):2347-54

Lowering of cytosolic free Ca2+ by carbachol, a muscarinic cholinergic agonist, in clonal pituitary cells (GH3 cells). Schlegel W, et al. **Endocrinology** 1985 Sep;117(3):976-81

Tunicamycin and neuraminidase effects on luteinizing hormone (LH)-releasing hormone binding and LH release from rat pituitary cells in culture. Schvartz I, et al. **Endocrinology** 1985 Jun;116(6):2341-6

Effect of dihydroergokryptine administration on serum prolactin and growth hormone levels in normal, hyperprolactinaemic and acromegalic subjects: evidence of potent and long-lasting pituitary dopamine receptor stimulation. Ferrari C, et al. **Eur J Clin Pharmacol** 1985; 27(6):707-11

Relationship between pituitary responses to human corticotropin-releasing factor and thyrotropin-releasing hormone in depressives and normal controls. Holsboer F, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):153-4

Responsiveness of intermediate lobe cells to neural mediators in culture. Fazekas I, et al. **Exp Clin Endocrinol** 1984 Dec; 84(3):338-45

The effect of a single midcycle administration of 0.5 or 2.0 mg dienogest (17 alpha-cyanomethyl-17 beta-hydroxy-estra-4,9-dien-3-one) on pituitary and ovarian function--investigation for the use as a postcoital contraceptive. Köhler G, et al. **Exp Clin Endocrinol** 1984 Dec;84(3):299-304

Effects of corticotropin-releasing factor, neurohypophyseal peptides, and catecholamines on pituitary function. Rivier C, et al. **Fed Proc** 1985 Jan;44(1 Pt 2):189-95

Ovine corticotropin-releasing factor administration in normal men. Pituitary and adrenal responses in the morning and evening. Schulte HM, et al. **Horm Res** 1985;21(2):69-74

Prolactin and the hypothalamic-pituitary-testicular axis in cimetidine-treated men. Long JP, et al. **Ir Med J** 1985 Feb;78(2):48-51

Dual actions of phorbol esters on cytosolic free Ca2+ concentrations and reconstitution with ionomycin of acute thyrotropin-releasing hormone responses. Albert PR, et al. **J Biol Chem** 1985 Jul 25;260(15):8746-59

Reduction in pituitary desensitization and prolongation of gonadotropin release by estrogen during continuous administration of gonadotropin-releasing hormone in women: its antagonism by progesterone. Araki S, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):590-8

Inhibition of serum luteinizing hormone and testosterone with an inhibitory analog of luteinizing hormone-releasing hormone in adult male rhesus monkeys. Burgos-Briceño LA, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):601-7

Effects of a fragment of human growth hormone-releasing factor in normal and 'Little' mice. Clark RG, et al. **J Endocrinol** 1985 Jul;106(1):1-5

The priming effect of LH-releasing hormone: effects of cold and involvement of new protein synthesis. Curtis A, et al. **J Endocrinol** 1985 May;105(2):163-8

Effect of D-thyroxine on serum sex hormone binding globulin (SHBG), testosterone, and pituitary-thyroid function in euthyroid subjects. Yosha S, et al. **J Endocrinol Invest** 1984 Oct;7(5):489-94

Effects of oestradiol-17 beta on peripheral plasma concentrations of LH and FSH in ovariectomized tammars (Macropus eugenii). Horn CA, et al. **J Reprod Fertil** 1985 Mar;73(2):585-92

Assessment of the male reproductive system in the preweanling rat following Mn3O4 exposure. Laskey JW, et al. **J Toxicol Environ Health** 1985;15(2):339-50

Effect of 4,4'-oxydianiline on the thyroid and pituitary glands of F344 rats: a morphologic study with the use of the immunoperoxidase method. Murthy AS, et al. **JNCI** 1985 Jan;74(1):203-8

Twin pregnancy after pituitary desensitisation with LHRH agonist and pure FSH [letter] Shaw RW, et al. **Lancet** 1985 Aug 31;2(8453):506-7

Inhibition of prolactin and growth hormone secretion by nickel. Carlson HE. **Life Sci** 1984 Oct 22;35(17):1747-54

Further studies on basal immunoreactive luteinizing hormone (LH), serum testosterone and pituitary responsiveness to luteinizing hormone releasing hormone (LH-RH) in elderly men. Marrama P, et al. **Minerva Endocrinol** 1984 Jan-Mar; 9(1):1-6

Structural requirements for the pharmacological activity of nonsteroidal antiestrogens in vitro. Jordan VC, et al. **Mol Pharmacol** 1984 Sep;26(2):272-8

Neonatal exposure to DES in BALB/c male mice: effects on pituitary-gonadal function. Dalterio S, et al. **Pharmacol Biochem Behav** 1985 Jun;22(6):1019-24

Some effects of photoperiod on the pituitary/thyroid axis of castrated cockerels. Chiasson RB, et al. **Poult Sci** 1985 Jun;64(6):1205-9

Dual modulation of K channels by thyrotropin-releasing hormone in clonal pituitary cells. Dubinsky JM, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(12):4282-6

Glucocorticoid inhibition of immunoreactive beta-endorphin release from the anterior lobe of the rat pituitary: in vitro and in vivo studies. Mueller GP, et al. **Proc Soc Exp Biol Med** 1985 Jul;179(3):338-47

Action of the methylxanthines on the pituitary and pituitary-dependent hormones. Spindel E. **Prog Clin Biol Res** 1984;158:355-63 (38 ref.)

Pituitary adenolysis in the treatment of Cushing's disease (a case report). Velasco F, et al. **Rev Invest Clin** 1985 Jan-Mar;37(1):53-6

Induction of pituitary lactotrope differentiation by luteinizing hormone alpha subunit. Bégeot M, et al. **Science** 1984 Nov 2;226(4674):566-8

[Effect of dopaminergic pharmacological agents on thyrotropic hormone secretion by the hypophysis when stimulated with thyrotropin-releasing hormone] Boiadzhieva N, et al. **Eksp Med Morfol** 1985;24(1):29-32 (Eng. Abstr.) **(Bul)**

[Gonadotropin stimulation during LH/RH analog-induced inhibition of pituitary function] Bettendorf G, et al. **Geburtshilfe Frauenheilkd** 1985 Jul;45(7):431-7 (Eng. Abstr.) **(Ger)**

[Intranasal TRH for the stimulation of hypophyseal and thyroid reserves. Preliminary report] Ryff-de-Lèche AS, et al. **Schweiz Med Wochenschr** 1985 Mar 9;115(10):342-3 (Eng. Abstr.) **(Ger)**

[Effect of an enkephalin analog on the endocrine system in man] Földes J, et al. **Orv Hetil** 1985 May 12;126(19):1145-8 (Eng. Abstr.) **(Hun)**

EMBRYOLOGY

Molecular studies of pituitary gland differentiation. Pintar JE. **Adv Exp Med Biol** 1984;181:51-64

A pituitary-salivary mixed gland induced by tissue recombination of embryonic pituitary epithelium and embryonic submandibular gland mesenchyme in mice. Kusakabe M, et al. **Dev Biol** 1985 Aug;110(2):382-91

Effects of exposure of pregnant rats to TRH on development of the pituitary-thyroid axis in their progeny. Kawai Y, et al. **Endocrinol Jpn** 1985 Feb;32(1):45-52

Functional maturation of somatotropes in fetal rat pituitaries: analysis by reverse hemolytic plaque assay. Frawley LS, et al. **Endocrinology** 1985 Jun;116(6):2355-60

The ontogeny of hypothalamic pituitary function in the pig. I. Pituitary LH and FSH in the fetus and neonate. McNamara M, et al. **Mol Cell Endocrinol** 1985 Feb; 39(2):119-24

ENZYMOLOGY

GRF is a highly potent activator of adenylate cyclase in the normal human, bovine and rat pituitary: interaction with somatostatin. Reyl-Desmars F, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):977-85

Increased pituitary thyroxine 5'-deiodinase activity in adult rats rendered hyper- or hypo-thyroid during perinatal life. Walker P. **Can J Physiol Pharmacol** 1985 Apr;63(4):279-82

Effect of hypothalamic extracts of rats of various age on pituitary adenylate cyclase in vitro. Knopp J. **Endocrinol Exp (Bratisl)** 1984 Dec;18(4):203-8

Adenosine 3',5'-monophosphate (cAMP)-dependent protein kinase activity in rodent pituitary tissue: possible role in cAMP-dependent hormone secretion. Miyazaki K, et al. **Endocrinology** 1984 Nov;115(5):1933-45

Enkephalin convertase demonstrated in the pituitary and adrenal gland by [3H]guanidinoethylmercaptosuccinic acid autoradiography: dehydration decreases neurohypophyseal levels. Strittmatter SM, et al. **Endocrinology** 1985 Oct; 117(4):1667-74

An aminopeptidase activity in bovine pituitary secretory vesicles that cleaves the N-terminal arginine from beta-lipotropin60-65. Gainer H, et al. **FEBS Lett** 1984 Sep 17;175(1):135-9

Distribution of cell types and aromatase activity in the sculpin (Myoxocephalus) pituitary. Olivereau M, et al. **Gen Comp Endocrinol** 1985 May;58(2):280-90

Thyrotropin-releasing hormone induces redistribution of protein kinase C in GH4C1 rat pituitary cells. Fearon CW, et al. **J Biol Chem** 1985 Jul 15;260(14):8366-71

Purification and characterization of a paired basic residue-specific pro-opiomelanocortin converting enzyme from bovine pituitary intermediate lobe secretory vesicles. Loh YP, et al. **J Biol Chem** 1985 Jun 25;260(12):7194-205

cAMP-dependent protein kinases of rat pituitary GH3 cells. Fabbro D, et al. **J Cyclic Nucleotide Protein Phosphor Res** 1985;10(1):31-42

True renin in human pituitary tissue. Mizuno K, et al. **J Neurochem** 1985 Feb;44(2):633-6

Biochemical and immunohistochemical localization of renin in human pituitary. Mukai M, et al. **Lab Invest** 1984 Oct; 51(4):425-8

Pituitary-dependent masculinization of hepatic hexobarbital hydroxylase in Crl:CD-1(ICR)BR mice. Shapiro BH. **Life Sci** 1985 Mar 25;36(12):1169-74

Rat pituitary N alpha-acetyltransferase. Dixon JE, et al. **Methods Enzymol** 1984;106:170-9

Inhibitory effect of thyroid hormones on pituitary cyclic amp phosphodiesterase activity in vitro. Nagasaka A, et al. **Neurochem Res** 1984 Jul;9(7):1011-8

The antiestrogen LY117018 blocks effects of estradiol on pituitary glucose-6-phosphate dehydrogenase specific activity and on serum LH. Gordon MN, et al. **Neuroendocrinology** 1985 May;40(5):381-4

Angiotensin I-generating acid endopeptidase activity in neurosecretory vesicles isolated from bovine pituitary. Gainer H, et al. **Neuropeptides** 1984 Nov;4(6):447-55

Immunoreactive tyrosine hydroxylase in the brain and pituitary gland of the platyfish. Halpern-Sebold LR, et al. **Proc Soc Exp Biol Med** 1985 Mar;178(3):486-9

[Glutathione S-transferases in the corpus luteum, adrenal cortex and hypophysis of cattle] Harisch G, et al. **Zentralbl Veterinarmed** [A] 1984 Sep;31(8):577-84 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

The ontogeny of estrogen receptors: brain and pituitary. Keefer D, et al. **Brain Res** 1985 Apr;351(2):183-94

Environmental influences on prolactin cell development in the cyprinodont fish, Cynolebias whitei. Ruijter JM, et al. **Cell Tissue Res** 1984;238(3):595-600

The development of mammotroph adenomas in pituitaries of aging female C57BL/6J mice. Clayton CJ, et al. **Exp Gerontol** 1984;19(5):313-20

Brain and pituitary beta-endorphin levels at different developmental stages of the rat. Ng TB, et al. **Int J Pept Protein Res** 1984 Aug;24(2):141-6

Pituitary adenomas in old Sprague-Dawley rats: a histologic, ultrastructural, and immunocytochemical study. McComb DJ, et al. **JNCI** 1984 Nov;73(5):1143-66

The development of motilin-like immunoreactivity in the rat cerebellum and pituitary as determined by radioimmunoassay. Korchak DM, et al. **Neurosci Lett** 1984 Aug 10;48(3):267-72

IMMUNOLOGY

The hypothalamus and pituitary in cerebral gigantism. A clinicopathologic and immunocytochemical study. Whitaker MD, et al. **Am J Dis Child** 1985 Jul;139(7):679-82

Multiple forms of human pancreatic growth hormone releasing factor-like immunoreactivity in teleost brain and pituitary. Pan JX, et al. **Endocrinology** 1985 Apr; 116(4):1663-5

Prolactin cell autoantibodies and Alzheimer's disease [letter] Philpot M, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar; 48(3):287-8

[Sensitivity to stress and alpha melanotropin in anterior pituitary cells in swine species. Preliminary study] Verstegen J, et al. **Ann Rech Vet** 1984;15(4):549-52 (Eng. Abstr.) **(Fre)**

INNERVATION

Electron-microscopic investigation of the innervation of the pars distalis of the hypophysis in adult Rana temporaria L. Van Vossel A, et al. **Cell Tissue Res** 1984;237(1):149-54

Pituitary 5-hydroxytryptamine nerves--a possible link with pituitary hormone secretion. Holzbauer M, et al. **J Neural Transm** 1985;63(1):53-71

Central and peripheral catecholamine innervation of the rat intermediate and posterior pituitary lobes. Saavedra JM. **Neuroendocrinology** 1985 Apr;40(4):281-4

The relationship between heat abbreviation and neural progestin receptors in female rats. Reading DS, et al. **Physiol Behav** 1984 Jun;32(6):973-81

METABOLISM

Bovine pituitary intraglandular colloid: a transport medium. Boyd WH, et al. **Acta Biol Hung** 1983;34(4):357-62

Salient characteristics of bovine pituitary intraglandular colloid: a transport medium for determinants to pituitary hormones and immunoglobulins. Boyd WH, et al. **Acta Biol Hung** 1983;34(4):363-9

The distribution of immunoreactive corticotrophin-releasing factor in the human pituitary stalk. Coates PJ. **Acta Endocrinol (Copenh)** 1985 Aug;109(4):433-9

Divergent effects on LH and FSH synthesis and release from intact female rat pituitary glands in vitro by methylxanthines, cyclic AMP derivatives and sodium fluoride. Jenner AA, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):315-9

Distribution of neurotensin-like immunoreactivity in the hypothalamus, pituitary gland, and gastro-intestinal tract of rats. Muraki K, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):1-5

Serum reduces the TSH content in rat pituitary cells in culture. Spira O, et al. **Acta Endocrinol (Copenh)** 1985 Aug; 109(4):485-91

Decrease of LRH receptors in the pituitary gland in streptozotocin-induced diabetic rats. Tasaka K, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):46-9

Difference of lectin binding sites of secretory granules between normal pituitary and adenoma cells. Hori T, et al. **Acta Neuropathol (Berl)** 1985;66(3):177-83

Corticotropin-releasing factor differentially regulates proopiomelanocortin messenger ribonucleic acid levels in anterior as compared to intermediate pituitary lobes of rats. Höllt V, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):407-15

Dopamine receptor blockade increases glandular kallikrein-like activity in the neurointermediate lobe of the rat pituitary. Powers CA. **Biochem Biophys Res Commun** 1985 Mar 15;127(2):668-72

Metabolism of neuropeptides at brain and pituitary sites. Edwardson JA, et al. **Biochem Soc Trans** 1985 Feb; 13(1):50-3

Inhibition of Na+/Ca2+ exchange in pituitary plasma membrane vesicles by analogues of amiloride. Kaczorowski GJ, et al. **Biochemistry** 1985 Mar 12;24(6):1394-403

Changes in the isoelectric focusing profile of pituitary follicle-stimulating hormone in the developing male rat. Chappel SC, et al. **Biol Reprod** 1985 Apr;32(3):567-73

Pituitary luteinizing hormone-releasing hormone receptors in ovariectomized cows after challenge with ovarian steroids. Schoenemann HM, et al. **Biol Reprod** 1985 Apr; 32(3):574-83

Neonatal castration of male and female rats affects hypothalamic and pituitary estrogen nuclear and progestin cytosol receptors. Weiland NG, et al. **Biol Reprod** 1984 Dec;31(5):950-8

Analysis of benzodiazepine binding sites in rat pituitary gland. Anderson RA, et al. **Brain Res** 1984 Dec 10;323(2):369-73

Quantitative determination of angiotensin II binding sites in rat brain and pituitary gland by autoradiography. Israel A, et al. **Brain Res** 1984 Nov 26;322(2):341-5

Effect of mating on the metabolic activity of the brain and pituitary gland assessed by [14C]2-deoxyglucose in a reflex ovulator, the vole (Microtus agrestis). Sutherland RC, et al. **Brain Res** 1984 Oct 8;311(2):317-22

Immunocytochemical demonstration of mammalian lutropin-like material in the pituitary of the lungfish, Lepidosiren paradoxa. Hansen GN, et al. **Cell Tissue Res** 1985;239(2):355-8

Intracellular pathways of receptor-bound GnRH agonist in pituitary gonadotropes. Hazum E, et al. **Cell Tissue Res** 1985;239(1):3-8

Evidence for an association between calmodulin and membrane patches containing gonadotropin-releasing hormone--receptor complexes in cultured gonadotropes. Jennes L, et al. **Cell Tissue Res** 1985;239(2):311-5

FMRF-amide-like immunoreactivity in brain and pituitary of the hagfish Eptatretus burgeri (Cyclostomata). Jirikowski G, et al. **Cell Tissue Res** 1984;237(2):363-6

Immunocytochemical localization of serotonin in the brain and pituitary gland of the platyfish, Xiphophorus maculatus. Margolis-Kazan H, et al. **Cell Tissue Res** 1985; 240(2):311-4

Immunocytochemical identification of CRF-like and SRIF-like peptides in the brain and the pituitary of cyprinid fish. Olivereau M, et al. **Cell Tissue Res** 1984;237(2):379-82

Somatostatin in the brain and the pituitary of some teleosts. Immunocytochemical identification and the effect of starvation. Olivereau M, et al. **Cell Tissue Res** 1984; 238(2):289-96

The levels and subcellular distribution of hormones and marker enzymes in pituitaries from control subjects and patients with prolactinomas, acromegaly or functionless pituitary tumours. De Marco L, et al. **Clin Endocrinol (Oxf)** 1984 Nov;21(5):515-23

Simultaneous presence of estrogen receptors and gonadotropin-releasing hormone in the hypothalamus and of estrogen receptors and follicle-stimulating hormone in the pituitary of the fetal guinea pig. Tardy J, et al. **Clin Neuropharmacol** 1984;7(4):312-9

Subpopulations of luteinizing hormone (LH) possessing various ratios of bioactivity to immunoreactivity in the female rat pituitary glands and their changes during the estrous cycle. Uchida H, et al. **Endocrinol Jpn** 1984 Oct; 31(5):605-18

Pituitary response of growth hormone release in administration of hpGRF-44 to pregnant rats. Uchida N, et al. **Endocrinol Jpn** 1984 Dec;31(6):831-5

Pituitary binding of vasopressin is altered by experimental manipulations of the hypothalamo-pituitary-adrenocortical axis in normal as well as homozygous (di/di) Brattleboro rats. Antoni FA, et al. **Endocrinology** 1985 Oct; 117(4):1293-9

Progesterone modulation of the luteinizing hormone surge: regulation of hypothalamic and pituitary progestin receptors. Attardi B. **Endocrinology** 1984 Dec; 115(6):2113-22

Ontogeny of hypothalamic luteinizing hormone-releasing hormone (GnRH) and pituitary GnRH receptors in fetal and neonatal rats. Aubert ML, et al. **Endocrinology** 1985 Apr;116(4):1565-76

Opioid and neurotransmitter regulation of pituitary gonadotropin-releasing hormone (GnRH) receptors in the ovariectomized estradiol-treated rat: role of altered GnRH secretion. Barkan AL, et al. **Endocrinology** 1985 Mar; 116(3):1003-10

In vitro and in vivo antagonistic regulation by estradiol and progesterone of the rat pituitary domperidone binding sites: correlation with ovarian steroid regulation of the dopaminergic inhibition of prolactin secretion in vitro. Bression D, et al. **Endocrinology** 1985 May;116(5):1905-11

1-(o-Chlorophenyl)-1 (p-chlorophenyl)2,2,2-trichloroethane induces functional progestin receptors in the rat hypothalamus and pituitary gland. Brown TJ, et al. **Endocrinology** 1984 Dec; 115(6):2052-8

Hyperprolactinemia inhibits gonadotropin-releasing hormone (GnRH) stimulation of the number of pituitary GnRH receptors. Garcia A, et al. **Endocrinology** 1985 Sep; 117(3):954-9

Effects of adrenalectomy and dexamethasone administration on the level of prepro-corticotropin-releasing factor messenger ribonucleic acid (mRNA) in the hypothalamus and adrenocorticotropin/beta-lipotropin precursor mRNA in the pituitary in rats. Jingami H, et al. **Endocrinology** 1985 Oct;117(4):1314-20

Characterization of rat pituitary luteinizing hormone charge microheterogeneity in male and female rats using chromatofocusing: effects of castration. Keel BA, et al. **Endocrinology** 1985 Jul;117(1):354-60

Specific receptors for vasopressin in the pituitary gland: evidence for down-regulation and desensitization to adrenocorticotropin-releasing factors. Koch B, et al. **Endocrinology** 1985 Feb;116(2):671-6

Differential effects of viral infection on islet and pituitary cell lines. Maratos-Flier E, et al. **Endocrinology** 1985 Jun; 116(6):2430-7

Ultrastructural autoradiographic localization of somatostatin-28 in the rat pituitary gland. Morel G, et al. **Endocrinology** 1985 Apr;116(4):1615-20

Effects of photoperiod, castration, and gonadotropin-releasing hormone (GnRH) on the number of GnRH receptors in male golden hamsters. Pieper DR. **Endocrinology** 1984 Nov;115(5):1857-62

Parallel studies of His-DTrp-Ala-Trp-DPhe-Lys-NH2 and human pancreatic growth hormone-releasing factor-44-NH2 in rat primary pituitary cell monolayer culture. Sartor O, et al. **Endocrinology** 1985 Mar; 116(3):952-7

Thyrotropin (TSH)-releasing hormone regulation of TSH subunit biosynthesis and glycosylation in normal and hypothyroid rat pituitaries. Taylor T, et al. **Endocrinology** 1985 May;116(5):1968-76

Differential distribution of androgen and estrogen receptors in rat pituitary cell populations separated by centrifugal elutriation. Thieulant ML, et al. **Endocrinology** 1985 Apr; 116(4):1299-303

Secretion of luteinizing hormone (LH) and pituitary receptors for LH-releasing hormone as modified by the proestrous surge of progesterone. Witcher JA, et al. **Endocrinology** 1984 Dec;115(6):2189-94

Regulation of corticotropin-releasing factor (CRF) receptors in the rat pituitary gland: effects of adrenalectomy on CRF receptors and corticotroph responses. Wynn PC, et al. **Endocrinology** 1985 Apr;116(4):1653-9

Autoradiographic localisation of benzodiazepine receptors in the rat pituitary gland. Brown C, et al. **Eur J Pharmacol** 1984 Jul 20;102(3-4):563-4

Phencyclidine-induced inhibition of rat prolactin secretion: increased portal blood dopamine. Meltzer HY, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):143-6

Ultrastructural evidence of progesterone receptor by immunochemistry. Morel G, et al. **Exp Cell Res** 1984 Nov; 155(1):283-8

Immunoreactive substance P and LH-RH content in median eminence and pituitary gland during proestrus, oestrus, lactation and after anterior hypothalamic deafferentation. Jakubowska-Naziemblo B, et al. **Exp Clin Endocrinol** 1985 Apr;85(2):155-66

Plasma and pituitary concentrations of LH, FSH and prolactin in aging Mongolian gerbils. Parkening TA, et al. **Exp Gerontol** 1984;19(6):359-65

Pituitary growth hormone and hypothalamic somatostatin in young female rats versus old constant estrous female rats. Forman LJ, et al. **Experientia** 1985 May 15;41(5):653-4

Development of antral gastrin-like immunoreactivity and pituitary CCK8/gastrin-like immunoreactivity in rats. Okahata H, et al. **Experientia** 1985 Jul 15;41(7):938-40

Regulation of bioactive beta-endorphin processing in rat pars intermedia. Ham J, et al. **FEBS Lett** 1984 Oct 1; 175(2):407-11

Association of newly synthesized pro-opiomelanocortin with secretory granule membranes in pituitary pars intermedia cells. Loh YP, et al. **FEBS Lett** 1985 May 6;184(1):40-3

Hypothalamic and serum factors influence on prolactin and luteinizing hormone release by the pituitary gland of the young turkey (Meleagris gallopavo). Fehrer SC, et al. **Gen Comp Endocrinol** 1985 Jul;59(1):73-81

The mammalian hypophysial pars tuberalis: a comparative immunocytochemical study. Gross DS. **Gen Comp Endocrinol** 1984 Nov;56(2):283-98

Reevaluation of the relative activities of the pituitary glycoprotein hormones (follicle-stimulating hormone, luteinizing hormone, and thyrotrophin) from the green sea turtle, Chelonia mydas. Licht P, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):443-51

Immunocytochemical identification of the proopiocortin-producing cells in the chum salmon pituitary with antisera to endorphin and NH2-terminal peptide of salmon proopiocortin. Naito N, et al. **Gen Comp Endocrinol** 1984 Nov;56(2):185-92

Immunoelectron microscopic localization of growth hormone in the pituitary glands of two teleosts, tilapia (Sarotherodon mossambicus) and amago salmon (Oncorhynchus rhodurus). Ueda H, et al. **Gen Comp Endocrinol** 1985 Jul;59(1):149-54

Regulation by calcium of prolactin and growth hormone mRNA sequences in primary cultures of rat pituitary cells. Gick GG, et al. **J Biol Chem** 1985 Jun 25;260(12):7614-8

The alpha-amidation of alpha-melanocyte stimulating hormone in intermediate pituitary requires ascorbic acid. Glembotski CC. **J Biol Chem** 1984 Nov 10;259(21):13041-8

Regulation of pro-opiomelanocortin synthesis by dopamine and cAMP in the amphibian pituitary intermediate lobe. Loh YP, et al. **J Biol Chem** 1985 Jul 25;260(15):8956-63

Rapid amino acid uptake in rat pituitary neural lobe during functional stimulation by chronic dehydration. Gross PM, et al. **J Cereb Blood Flow Metab** 1985 Mar;5(1):151-5

Heterogeneity of rat FSH by chromatofocusing: studies on serum FSH, hormone released in vitro and metabolic clearance rates of its various forms. Blum WF, et al. **J Endocrinol** 1985 Apr;105(1):29-37

Heterogeneity of rat FSH by chromatofocusing: studies on in-vitro bioactivity of pituitary FSH forms and effect of neuraminidase treatment. Blum WF, et al. **J Endocrinol** 1985 Apr;105(1):17-27

Effects of diabetes, beta-hydroxybutyric acid and metabolic acidosis on the pituitary-thyroid axis in the rat. Boado R, et al. **J Endocrinol Invest** 1985 Apr;8(2):107-11

Effect of streptozotocin diabetes and insulin replacement on growth hormone in rats. Gonzalez C, et al. **J Endocrinol Invest** 1985 Feb;8(1):7-11

Specific in vivo binding of 3H-spiperone to individual lobes of the pituitary gland of the rat. Evidence for the labelling of dopamine receptors. Köhler C, et al. **J Neural Transm** 1985;63(1):39-52

[3H]Nitrendipine binding to calcium channels in bovine and rat pituitary. Titeler M, et al. **J Neurochem** 1985 Jun; 44(6):1955-8

Localization of a new benzamide derivative, tropapride and of 1-sulpiride, in the pituitary gland of the rat. Strolin Benedetti M, et al. **J Pharmacol** 1984 Oct-Dec;15(4):433-8

Alpha 1 adrenergic receptors in the porcine pituitary neurointermediate lobe: detection with [3H]ketanserin. Battaglia G, et al. **J Recept Res** 1984;4(7):713-26

GnRH pulse frequency determines LH pulse amplitude by altering the amount of releasable LH in the pituitary glands of ewes. Clarke IJ, et al. **J Reprod Fertil** 1985 Mar; 73(2):425-31

Pituitary and gonadal function in hypogonadotrophic hypogonadal (hpg) mice bearing hypothalamic implants. Young LS, et al. **J Reprod Fertil** 1985 May;74(1):247-55

Distribution and concentration of immunoreactive parathyroid hormone in brain and pituitary of sheep. Balabanova S, et al. **Klin Wochenschr** 1985 May 2; 63(9):419-22

Subsensitive pituitary cyclic AMP response to stress following adrenalectomy is not caused by loss of adrenal epinephrine. Kant GJ, et al. **Life Sci** 1985 Jun 24; 36(25):2421-8

Estrogen-stimulated prolactin synthesis in vitro. Classification of agonist, partial agonist, and antagonist actions based on structure. Jordan VC, et al. **Mol Pharmacol** 1984 Sep;26(2):279-85

Differential effects of various opioid peptides on vasopressin and oxytocin release from the rat pituitary in vitro. Maysinger D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Dec; 328(2):191-5

3H-Dopamine binding sites differ in rat striatum and pituitary. Sokoloff P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1984 Sep; 327(3):221-7

Release of immunoreactive beta-endorphin in vitro from pituitaries of young and old male rats. Forman LJ, et al. **Neurobiol Aging** 1985 Summer;6(2):101-5

Immunohistochemical localization and radioimmunoassay of corticotropin-releasing factor in the forebrain and hypophysis of the frog Rana ridibunda. Tonon MC, et al. **Neuroendocrinology** 1985 Feb;40(2):109-19

Central-type benzodiazepine binding sites in rat pituitary gland are of the BZ1 subtype. Anderson RA, et al. **Neuropharmacology** 1984 Nov;23(11):1331-4

Evidence for a kappa-opioid receptor on pituitary astrocytes: an autoradiographic study. Bunn SJ, et al. **Neurosci Lett** 1985 Apr 19;55(3):317-23

Regional brain and pituitary cyclic nucleotide response following central cholinergic stimulation in rats chronically exposed to lead. Lenox RH, et al. **Neurotoxicology (Park Forest Il)** 1984 Fall;5(3):213-25

Intracellular acetylation of desacetyl alpha MSH in the Xenopus laevis neurointermediate lobe. Goldman ME, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1129-34

Receptor-mediated binding and uptake of GnRH agonist and antagonist by pituitary cells. Jennes L, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:215-20

Biosynthesis, processing and release of pro-opiomelanocortin related peptides in the intermediate lobe of the pituitary gland of the frog (Rana ridibunda). Vaudry H, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):905-12

Brain and pituitary receptors for corticotropin releasing factor: localization and differential regulation after adrenalectomy. Wynn PC, et al. **Peptides (Fayetteville)** 1984 Nov-Dec;5(6):1077-84

Calcium currents in GH3 cultured pituitary cells under whole-cell voltage-clamp: inhibition by voltage-dependent potassium currents. Barros F, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1108-12

Regional distribution of putative vasopressin receptors in rat brain and pituitary by quantitative autoradiography. Brinton RE, et al. **Proc Natl Acad Sci USA** 1984 Nov; 81(22):7248-52

Calcitonin gene-related peptide and its binding sites in the human central nervous system and pituitary. Tschopp FA, et al. **Proc Natl Acad Sci USA** 1985 Jan;82(1):248-52

Changes in hypothalamic and pituitary content of immunoreactive alpha-melanocyte-stimulating hormone during the gestational and postpartum periods in the rat. Khorram O, et al. **Proc Soc Exp Biol Med** 1984 Nov; 177(2):318-26

Development of reversible and irreversible inhibitors of Na+/Ca2+ exchange in pituitary plasma membrane vesicles. Kaczorowski GJ, et al. **Prog Clin Biol Res** 1984; 168:83-7

Arachidonic acid metabolism in gonadotroph-enriched pituitary cells. Vanderhoek JY, et al. **Prostaglandins Leukotrienes Med** 1984 Sep;15(3):375-85

Subcellular distribution of somatostatin-14, somatostatin-28 and somatostatin-28 (1-12) in rat brain cortex and comparisons of their respective binding sites in brain and pituitary. Moyse E, et al. **Regul Pept** 1984 Sep; 9(1-2):129-37

Shigella sonnei endotoxin reduces arterial blood pressure but does not alter pituitary pro-opiocortin cleavage and corticosterone release in the rat. Saija A, et al. **Res Commun Chem Pathol Pharmacol** 1984 Aug;45(2):313-6

Induction of the intermediate pituitary by stress: synthesis and release of a nonopioid form of beta-endorphin. Akil H, et al. **Science** 1985 Jan 25;227(4685):424-6

Induced expression of the glucocorticoid receptor in the rat intermediate pituitary lobe. Antakly T, et al. **Science** 1985 Jul 19;229(4710):277-9

Immunohistochemical demonstration of cytokeratins in endocrine cells of the human pituitary gland and in pituitary adenomas. Höfler H, et al. **Virchows Arch [A]** 1984; 404(4):359-68

[The biochemistry of corpora lutea periodica, follicular lutein cysts, adrenal cortex and hypophyses in cattle] Harisch G, et al. **Zentralbl Veterinarmed [A]** 1985 May;32(5):381-90 (Eng. Abstr.) **(Ger)**

[Studies on mechanisms of prolactin synthesis and secretion using perfusion system of rat pituitary cells] Akikawa K. **Hokkaido Igaku Zasshi** 1985 May;60(3):404-14 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Potential epidemic of Creutzfeldt-Jakob disease from human growth hormone therapy. Brown P, et al. **N Engl J Med** 1985 Sep 19;313(12):728-31

PATHOLOGY

Growth hormone producing hyperplasia of pituitary gland in psoriasis [letter] Weber G, et al. **Arch Dermatol Res** 1985; 277(4):345

Pituitary gland in hypothyroidism. Histologic and immunocytologic study. Scheithauer BW, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):499-504

One month of streptozotocin-diabetes induces different neuroendocrine and morphological alterations in the hypothalamo-pituitary axis of male and female rats. Bestetti G, et al. **Endocrinology** 1985 Jul;117(1):208-16

Alterations in the pituitary-thyroid axis and 5'-deiodinase activity in mice with muscular dystrophy. Watson AY, et al. **Endocrinology** 1985 Jun;116(6):2201-8

Pituitary thyrotroph hyperplasia mimicking prolactin-secreting adenoma. Khalil A, et al. **J Endocrinol Invest** 1984 Aug;7(4):399-404

Primary pituitary carcinoma: a clinical pathological study. Nudleman KL, et al. **Neurosurgery** 1985 Jan;16(1):90-5

Pathology of the pituitary and sellar region: exclusive of pituitary adenoma. Scheithauer BW. **Pathol Annu** 1985;20 Pt 1:67-155 (388 ref.)

[Morphology of the pituitary gland and adrenal cortex in individuals who died from myocardial infarct] Zentay Z, et al. **Morphol Igazsagugyi Orv Sz** 1985 Jan;25(1):39-47 (Eng. Abstr.) **(Hun)**

[Histopathological findings of the pituitary gland in cases of subarachnoid hemorrhage] Morimoto T, et al. **No To Shinkei** 1985 Feb;37(2):147-53 (Eng. Abstr.) **(Jpn)**

[Morphological study of the hypothalamus and hypophysis of Macaca mulatta after experimental antiorthostatic hypokinesia] Alekseev EI, et al. **Kosm Biol Aviakosm Med** 1984 Sep-Oct;18(5):78-81 **(Rus)**

PHYSIOLOGY

Age-related alterations of pituitary-thyroid function in normal female subjects and in female patients with simple goitre. Yamada T, et al. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):346-51

Dual regulation of adenylate cyclase activity and hormone release in the intermediate lobe of the rat pituitary gland: evidence for the involvement of membrane components of the stimulatory beta 2-adrenergic system and of the inhibitory D-2 dopaminergic system. Cote TE, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1985; 19:151-67

Mechanisms of somatostatin action in pituitary cells. Schonbrunn A, et al. **Adv Exp Med Biol** 1985;188:305-24

Differential effects of food restriction on pituitary-testicular function in mice. Blank JL, et al. **Am J Physiol** 1985 Feb; 248(2 Pt 2):R181-9

Role of the pituitary in reflex natriuresis following acute unilateral nephrectomy. Lin SY, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):F282-90

Effects of hypophysectomy and GH administration on bovine and human GH binding to rat liver membranes. Messina JL, et al. **Am J Physiol** 1985 Jul;249(1 Pt 1):E56-62

Androgens in male rat reproductive tract fluids: hypophysectomy and steroid replacement. Turner TT, et al. **Am J Physiol** 1985 Mar;248(3 Pt 1):E274-80

Prolactin and pituitary-gonadal function in cigarette smoking infertile patients. Andersen AN, et al. **Andrologia** 1984 Sep-Oct;16(5):391-6

Pituitary regulation of sex-specific forms of cytochrome P-450 in liver microsomes of rats. Kamataki T, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1247-53

An inhibitory protein of intestinal fluid secretion reverses neuronal GABA transport. Lange S, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1032-6

Mechanisms of gonadotropin-releasing hormone and prostaglandin action on luteal cells. Leung PC. **Can J Physiol Pharmacol** 1985 Mar;63(3):249-56 (79 ref.)

The effect of water acidification on prolactin cells and pars intermedia PAS-positive cells in the teleost fish Oreochromis (formerly Sarotherodon) mossambicus and Carassius auratus. Wendelaar Bonga SE, et al. **Cell Tissue Res** 1984;238(3):601-9

Lymphoid cells produce an immunoregulatory glucocorticoid increasing factor (GIF) acting through the pituitary gland. Besedovsky HO, et al. **Clin Exp Immunol** 1985 Mar;59(3):622-8

Luteinizing hormone beta-subunit mRNA amounts increase during the preovulatory surge of luteinizing hormone in the ewe: the highest levels are observed at the completion of the peak. Landefeld T, et al. **DNA** 1985 Jun;4(3):249-54

Effects of fetal hypophysectomy and the in vitro treatment by pituitary extracts on the maturation of cultured ovine fetal adrenal cells. Durand P, et al. **Endocrinology** 1985 Feb;116(2):578-84

The corpus luteum of the primate menstrual cycle is capable of recovering from a transient withdrawal of pituitary gonadotropin support. Hutchison JS, et al. **Endocrinology** 1985 Sep;117(3):1043-9

The rhesus monkey corpus luteum is dependent on pituitary gonadotropin secretion throughout the luteal phase of the menstrual cycle. Hutchison JS, et al. **Endocrinology** 1984 Nov;115(5):1780-6

Role of the hypophysis in regulation of pancreatic and gastric somatostatin. Recant L, et al. **Endocrinology** 1984 Dec; 115(6):2260-5

Angiotensin-converting enzyme in the testis and epididymis: differential development and pituitary regulation of isozymes. Strittmatter SM, et al. **Endocrinology** 1985 Oct; 117(4):1374-9

Cytochemical and cytophysiological studies of gonadotropin-releasing hormone (GnRH) target cells in the male rat pituitary: differential effects of androgens and corticosterone on GnRH binding and gonadotropin release. Tibolt RE, et al. **Endocrinology** 1985 Jul;117(1):396-404

Hypophyseotropic regulation of adenohypophyseal adrenocorticotropin secretion. Plotsky PM. **Fed Proc** 1985 Jan;44(1 Pt 2):207-13

Seasonal variation in pituitary responsiveness to luteinizing hormone-releasing hormone of mallards and canvasbacks. Bluhm CK. **Gen Comp Endocrinol** 1985 Jun;58(3):491-7

Effect of the presence of females on the pituitary-testicular activity in male Japanese quail (Coturnix coturnix japonica). Delville Y, et al. **Gen Comp Endocrinol** 1984 Aug;55(2):295-305

Intrafollicular action of estrogen in regulating pituitary-induced ovarian progesterone synthesis and oocyte maturation in Rana pipiens: temporal relationship and locus of action. Lin YW, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):421-35

Effect of temperature on lipoprotein lipase and lipogenic enzyme activities in brown adipose tissue of hypophysectomized rats. Goubern M, et al. **Horm Metab Res** 1985 Apr;17(4):176-80

Prolactin control of growth and prolactin autoregulation in cultured human pituitary cells. Hosojima H, et al. **Horm Res** 1985;21(4):240-5

A study of pituitary-thyroid function during exercise in man. Sawhney RC, et al. **Indian J Physiol Pharmacol** 1984 Apr-Jun;28(2):153-8

Purification, characterization, and pituitary regulation of the sex-specific cytochrome P-450 15 beta-hydroxylase from liver microsomes of untreated female rats. MacGeoch C, et al. **J Biol Chem** 1984 Dec 25;259(24):15433-9

Physical exercise-induced changes and season-associated differences in the pituitary-ovarian function of runners and joggers. Ronkainen H, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):416-22

Pituitary-adrenal responsiveness to corticotropin-releasing hormone in patients receiving chronic, alternate day glucocorticoid therapy. Schürmeyer TH, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):22-7

Effects of aging and illness on the pituitary testicular axis in men: qualitative as well as quantitative changes in luteinizing hormone. Warner BA, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):263-8

Acute and chronic effects of a gonadotrophin-releasing hormone antagonist on pituitary and testicular function in monkeys. Bint Akhtar F, et al. **J Endocrinol** 1985 Mar; 104(3):345-54

Plasma concentrations of somatomedin-C in hypophysectomized, dwarf and intact growing domestic fowl as determined by heterologous radioimmunoassay. Huybrechts LM, et al. **J Endocrinol** 1985 Feb;104(2):233-9

Effect of hypophysectomy on cyclic 3',5'-nucleotidemetabolizing enzymes in the rat thyroid gland. Nagasaka A, et al. **J Endocrinol** 1985 Jun; 105(3):363-9

Lack of growth hormone-dependent somatomedins or growth retardation in hypophysectomized fetal lambs. Parkes MJ, et al. **J Endocrinol** 1985 Feb;104(2):193-9

Influence of growth hormone, corticosterone, corticotrophin and changes in the environmental temperature on pituitary-ovarian function in the immature rat. Wilson CA, et al. **J Endocrinol** 1985 Feb;104(2):179-83

Hypothalamo-pituitary regulation of thyrotrophin secretion in chronically catheterized Brattleboro rats. Wolf BA, et al. **J Endocrinol** 1985 May;105(2):277-83

Pituitary and gonadal function in the infant son of a patient with hypogonadotropic hypogonadism. Cassorla FG, et al. **J Endocrinol Invest** 1985 Feb;8(1):71-2

Interrelationships between the hypothalamus, pituitary gland, ovary, adrenal gland, and the open period for LH release in the hen (Gallus domesticus). Etches RJ, et al. **J Exp Zool** 1984 Dec;232(3):501-11 (26 ref.)

Corticotropin-releasing factor (CRF) stimulates locomotor activity in intact and hypophysectomized newts (Amphibia). Moore FL, et al. **J Exp Zool** 1984 Sep; 231(3):331-3

Pioneers in pituitary physiology: Harvey Cushing and Nicolas Paulescu. Teichman SL, et al. **J Hist Med Allied Sci** 1985 Jan;40(1):68-72

Characterization of various molecular species of follicle-stimulating hormone in baboon pituitary preparations. Khan SA, et al. **J Med Primatol** 1984; 13(6):295-304

Blood flow and autoregulation in rat pituitary gland. Kemeny AA, et al. **J Neurosurg** 1985 Jul;63(1):116-9

Central gastric antisecretory action of prostaglandin E2: the involvement of the pituitary gland. Puurunen J. **J Pharmacol Exp Ther** 1984 Dec;231(3):713-6

Role of GnRH in the maturation of pituitary gonadotroph function. Clayton RN. **J Reprod Fertil** 1985 Sep; 75(1):307-15 (62 ref.)

Changes in pituitary and ovarian LHRH receptors after active immunization of female rats against LH or LHRH. Popkin RM, et al. **J Reprod Fertil** 1985 Mar;73(2):491-6

Effect of an LHRH agonist on pituitary and testicular function in rhesus monkeys. Sundaram K, et al. **J Reprod Fertil** 1984 Nov;72(2):365-71

Mirex-induced liver enlargement in rats is dependent upon an intact pituitary-adrenalcortical axis. Ervin MG, et al. **Life Sci** 1985 Jan 14;36(2):139-45

Effects on plasma luteinizing hormone and follicle-stimulating hormone of varying the frequency and amplitude of gonadotropin-releasing hormone pulses in ovariectomized ewes with hypothalamo-pituitary disconnection. Clarke IJ, et al. **Neuroendocrinology** 1984 Sep;39(3):214-21

Role of the sympathetic nervous system in the control of thyroid compensatory growth of normal and hypophysectomized rats. Romeo HE, et al. **Neuroendocrinology** 1985 Apr;40(4):309-15

Role of the pituitary and conceptuses in the regulation of the luteal steroidogenesis in the mid-pregnant rat. Yamashita H. **Nippon Sanka Fujinka Gakkai Zasshi** 1984 Oct;36(10):1952-6

Effects of intracranial self-stimulation on brain opioid peptides. Stein EA. **Peptides (Fayetteville)** 1985 Jan-Feb; 6(1):67-73

Learned helplessness: effects on brain monoamines and the pituitary-gonadal axis. Hellhammer DH, et al. **Pharmacol Biochem Behav** 1984 Oct;21(4):481-5

Nicolas Constantin Paulescu (1869-1931) discovered insulin before Banting and Best and inspired Harvey Cushing's work on the pituitary gland. Teichman SL, et al. **Physiologie** 1985 Apr-Jun;22(2):121-34

Effect of estradiol and haloperidol on hypophysectomized rat brain dopamine receptors. Di Paolo T, et al. **Psychoneuroendocrinology** 1984;9(4):399-404

Hypophysectomy disturbs the noradrenergic feeding system of the paraventricular nucleus. Roland CR, et al. **Psychoneuroendocrinology** 1985;10(1):109-20

A detailed study of gonadotropic function of the pituitary gland in women after castration. Donát J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1983;26(2):131-47

Biological activity in vivo and in vitro of pituitary and brain fibroblast growth factor. Gospodarowicz D. **Symp Fundam Cancer Res** 1984;37:109-34 (147 ref.)

[Intermediate lobe of the amphibian pituitary gland: an endocrine gland with multiple secretions and under multi-hormonal control] Tonon MC, et al. **Ann Endocrinol (Paris)** 1985;46(2):69-87 (126 ref.) (Eng. Abstr.) **(Fre)**

[Is the pars intermedia of the hypophysis responsible for provoking paradoxical sleep in pontine cats with an isolated hypophysis?] Jouvet M, et al. **C R Acad Sci [III]** 1984; 299(20):883-8 (Eng. Abstr.) **(Fre)**

[Systemic or intracerebral injection of bovine neurointermediate lobe extracts may induce paradoxical sleep in insomnia induced by p-chlorophenylalanine in cats] Sastre JP, et al. **C R Acad Sci [III]** 1985;300(1):13-7 (Eng. Abstr.) **(Fre)**

[Ultrastructural changes in the supraoptica-neurohypophyseal system after induction of lesions in the pituitary stalk in rats] Karcsú S, et al. **Acta Histochem (Jena)** 1985;76(2):183-92 (Eng. Abstr.) **(Ger)**

[Circadian and circannual study of the hypophyseal-gonadal axis in healthy young males] Guagnano MT, et al. **Boll Soc Ital Biol Sper** 1985 Mar 30;61(3):343-9 (Eng. Abstr.) **(Ita)**

[Re-evaluation of the parameters of human aging process: pituitary-gonadal function in the elderly men] Kato K, et al. **Nippon Ronen Igakkai Zasshi** 1984 May;21(3):219-25 (Eng. Abstr.) **(Jpn)**

[Induction of sensitivity of a fibroblast culture to hypophyseal somatotropin by a thermostable blood serum factor] Bulitov AA, et al. **Biull Eksp Biol Med** 1984 Dec;98(12):720-3 (Eng. Abstr.) **(Rus)**

[Role of the hypophysis in fixing postural asymmetry at the segmental level in hemisection of the spinal cord] Shul'gina IP, et al. **Biull Eksp Biol Med** 1984 Oct;98(10):394-6 (Eng. Abstr.) **(Rus)**

[Radioimmunological study of the gonadotropic function of the pituitary in women during reestablishment of the menstrual cycle] Chemodanov VI, et al. **Med Radiol (Mosk)** 1985 Mar;30(3):62-4 **(Rus)**

PHYSIOPATHOLOGY

Pituitary stimulation produced analgesia in animal and man. Trouwborst A, et al. **Acta Anaesthesiol Belg** 1984;35 Suppl:249-51

Endocrine involvement in children with beta-thalassaemia major. Transverse and longitudinal studies. I. Pituitary-thyroidal axis function and its correlation with serum ferritin levels. Cavallo L, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):49-53

Functional insufficiency of thyroid and pituitary gland in beta-homozygous thalassaemia with haemosiderosis. Livadas DP, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984; 265:43-4

Effect of o,p'DDD therapy on endogenous ACTH concentrations in dogs with hypophysis-dependent hyperadrenocorticism. Nelson RW, et al. **Am J Vet Res** 1985 Jul;46(7):1534-7

Hypophyseal-gonadal dysfunction in men with non-alcoholic liver cirrhosis. Mooradian AD, et al. **Andrologia** 1985 Jan-Feb;17(1):72-9

Alteration of pituitary-thyroid function in patients with chronic renal failure treated by haemodialysis or continuous ambulatory peritoneal dialysis. Ross RJ, et al. **Ann Clin Biochem** 1985 Mar;22 (Pt 2):156-60

Skeletal muscle aging in the hind limb of the old male Wistar rat: inhibitory effect of hypophysectomy and food restriction. Everitt AV, et al. **Arch Gerontol Geriatr** 1985 Jul;4(2):101-15

Pituitary function following megavoltage therapy for Cushing's disease: long term follow up. Sharpe GF, et al. **Clin Endocrinol (Oxf)** 1985 Feb;22(2):169-77

Resistance of peripheral tissues and pituitary to thyroid hormone. Takamatsu J, et al. **Endocrinol Jpn** 1984 Aug; 31(4):435-41

Hormonal profile after insulin-induced hypoglycemia in chronic calcific pancreatitis. Pancreatic, pituitary and adrenal responses. Joffe BI, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:134-7

Effects of dopamine receptor stimulation on opiate-induced modifications of pituitary-gonadal function. Vescovi PP, et al. **Horm Res** 1985;21(3):155-9

Pituitary-testicular axis dysfunction in burned men. Vogel AV, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):658-65

Congenital goitrous hypothyroidism: discordant systolic time intervals, pituitary and peripheral responses to high daily doses of T4 or T3 therapy. Cavaliere H, et al. **J Endocrinol Invest** 1984 Aug;7(4):367-72

Hypogonadism in the zinc-deficient rat: localization of the functional abnormalities. McClain CJ, et al. **J Lab Clin Med** 1984 Dec;104(6):1007-15

Familial euthyroid hyperthyroxinemia secondary to pituitary and peripheral resistance to thyroid hormones. Gharib H, et al. **Mayo Clin Proc** 1985 Jan;60(1):9-15

Impaired growth hormone responses to growth hormone-releasing factor in obesity. A pituitary defect reversed with weight reduction. Williams T, et al. **N Engl J Med** 1984 Nov 29;311(22):1403-7

Activity-wheel stress: effects on brain monoamines and the pituitary-gonadal axis. Hellhammer DH, et al. **Neuropsychobiology** 1984;11(4):251-4

Dopamine in the pituitary adaptation to starvation in man. Jung RT, et al. **Postgrad Med J** 1985 Jul;61(717):571-4

Immunocytochemical evidence for the ability of the human pharyngeal hypophysis to respond to change in endocrine feedback. Ciocca DR, et al. **Virchows Arch [A]** 1985; 405(4):497-502

[Hypothalamus-pituitary-gonadal dysfunction in chronic uremic men] Shian LR, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Aug;83(8):814-20 (Eng. Abstr.) **(Chi)**

[The thyrotropic function of the hypophysis and peripheral thyroid hormones after removal of bland and autonomous nodular goiters] Heberling HJ, et al. **Dtsch Med Wochenschr** 1984 Nov 16;109(46):1757-60 (Eng. Abstr.) **(Ger)**

[The study of neuro-adrenolysis of pituitary gland on cancer pain and experimental approach to reveal its mechanism of pain relief] Sasaki K. **Hokkaido Igaku Zasshi** 1985 Jan; 60(1):24-37 (Eng. Abstr.) **(Jpn)**

[Pituitary functions in anorexia nervosa, with special reference to weight loss] Yamanaka Y, et al. **Nippon Rinsho** 1984 Apr;42(4):913-20 **(Jpn)**

[The role of the pituitary in the development of electroacupuncture analgesia in rats] Iguchi Y, et al. **Nippon Yakurigaku Zasshi** 1985 Jun;85(6):453-65 (Eng. Abstr.) **(Jpn)**

[The hypophyseal-thyroid system in myocardial infarction] Pimenov LT. **Sov Med** 1984;(11):7-12 (Eng. Abstr.) **(Rus)**

[Functional activity of the hypophysis-thyroid system in ichthyosis vulgaris patients] Pataridze IF. **Vestn Dermatol Venerol** 1985 Apr;(4):33-5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Progression of cardiovascular disease in acromegalic patients treated by external pituitary irradiation. Baldwin A, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):26-30

[Endocrinological reactions following UV A whole body irradiation] Bartelt RN, et al. **Derm Beruf Umwelt** 1985; 33(2):50-5 (Eng. Abstr.) **(Ger)**

[Levels of catecholamines in the hypothalamus, hypophysis and in the adrenal in sheep after whole-body exposure to gamma rays] Pástorová B, et al. **Vet Med (Praha)** 1985 Aug;30(8):485-92 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Computed tomography of the pituitary fossa in primary hypothyroidism. Effect of thyroxine treatment. Katevuo K, et al. **Clin Endocrinol (Oxf)** 1985 May;22(5):617-21

[Role of computerized tomography in the complex diagnosis of Nelson's syndrome] Kasperlik-Załuska A, et al. **Pol Przegl Radiol (Warszawa)** 1984 May-Jun;48(3):133-5 (Eng. Abstr.) **(Pol)**

[The value of frontal and sagittal reconstruction in the diagnosis of hypophyseal tumors] Marotti M, et al. **Lijec Vjesn** 1984 Oct;106(10):429-34 (Eng. Abstr.) **(Scr)**

SECRETION

Role of naloxone and opioid peptides on thyrotrophin, alpha subunit and beta thyrotrophin by dispersed rat pituitary cells. Cacicedo L, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):101-6

Prolactin inhibits oestradiol-induced luteinizing hormone release at the pituitary level. Miyake A, et al. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):204-7

Involvement of arachidonate metabolism in neurotensin-induced prolactin release in vitro. Canonico PL, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E257-63

Dihydropyridine Ca2+ antagonists: potent inhibitors of secretion from normal and transformed pituitary cells. Enyeart JJ, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C510-9

Effects of in vivo gonadal hormone environment on in vitro hGRF-40-stimulated GH release. Evans WS, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E276-80

Excess in vitro prolactin secretion by pituitary cells from ovariectomized old rats. Haji M, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):E483-8

The effect of seminal plasma on gonadotrophin secretion by sheep pituitary cells in culture. Gray IP, et al. **Andrologia** 1984 Sep-Oct;16(5):482-5

Prolactin secretion in permeable GH3 pituitary cells is stimulated by Ca2+ and protein kinase C activators. Ronning SA, et al. **Biochem Biophys Res Commun** 1985 Jul 31;130(2):524-32

Multiple comparisons in the randomization analysis of designed experiments with growth curve responses. Foutz RV, et al. **Biometrics** 1985 Mar;41(1):29-37

Hypothalamo-pituitary responses to trauma. Buckingham JC. **Br Med Bull** 1985 Jul;41(3):203-11 (116 ref.)

Dynamics in immunocytochemical labelling of granules in the gonadotrops of the African catfish Clarias gariepinus, as a function of induced release. Peute J, et al. **Cell Biol Int Rep** 1985 Jun;9(6):522

Effects of TRH and somatostatin on releases of prolactin and growth hormone in vitro by the pituitary of Poecilia latipinna. II. Electron-microscopic morphometry using automatic image analysis. Batten TF, et al. **Cell Tissue Res** 1984;237(3):595-603

Acute dopaminergic blockade by sulpiride stimulates beta-endorphin secretion in pregnant women. Abou Samra AB, et al. **Clin Endocrinol (Oxf)** 1984 Nov;21(5):583-8

Augmentation of the response to CRF in man: relative contributions of endogenous angiotensin and vasopressin. Milsom SR, et al. **Clin Endocrinol (Oxf)** 1985 May; 22(5):523-9

Altered pulsatile secretion of luteinizing hormone in hypogonadal men with hyperprolactinaemia. Winters SJ, et al. **Clin Endocrinol (Oxf)** 1984 Sep;21(3):257-63

Gonadotropins pituitary secretion in systemic lupus erythematosus. Lavalle C, et al. **Clin Exp Rheumatol** 1984 Apr-Jun;2(2):163-5

Characterization of dopamine and estrogen interaction on primate prolactin secretion with pituitary cells cultured on extracellular matrix and with pituitary stalk-transected monkeys. Bethea CL. **Endocrinology** 1985 Mar; 116(3):863-72

Arachidonate stimulates prolactin release in vitro: a role for the fatty acid and its metabolites as intracellular regulator(s) in mammotrophs. Canonico PL, et al. **Endocrinology** 1985 Jan;116(1):218-25

Hormone ontogeny in the ovine fetus. XVII. Demonstration of pulsatile luteinizing hormone secretion by the fetal pituitary gland. Clark SJ, et al. **Endocrinology** 1984 Nov; 115(5):1774-9

Activation of luteinizing hormone release from pituitary cells by polycations. Conn PM, et al. **Endocrinology** 1984 Nov; 115(5):1913-7

Hypothalamic control of prolactin secretion during the perinatal period in the rat. Khorram O, et al. **Endocrinology** 1984 Nov;115(5):1698-704

Hyperprolactinemia decreases the luteinizing hormone-releasing hormone concentration in pituitary portal plasma: a possible role for beta-endorphin as a mediator. Sarkar DK, et al. **Endocrinology** 1985 May; 116(5):2080-4

Effects of glucocorticoids on responsiveness of luteinizing hormone and follicle-stimulating hormone to gonadotropin-releasing hormone by male rat pituitary cells in vitro. Suter DE, et al. **Endocrinology** 1985 Sep; 117(3):855-9

Effects of glucocorticoids on secretion of luteinizing hormone and follicle-stimulating hormone by female rat pituitary cells in vitro. Suter DE, et al. **Endocrinology** 1985 Sep;117(3):849-54

The effects of corticotropin-releasing factor on adrenocorticotropin secretion from perifused pituitaries in vitro: rapid inhibition by glucocorticoids. Widmaier EP, et al. **Endocrinology** 1984 Dec;115(6):2368-74

Pituitary and adrenal function in epileptic patients. Gallagher BB, et al. **Epilepsia** 1984 Dec;25(6):683-9

Inhibition of TSH-stimulated thyroid hormone release and potentiation of TRH-stimulated TSH release by indomethacin in perifusion systems of rat thyroids and pituitaries. Mashita K, et al. **Experientia** 1984 Dec 15; 40(12):1429-31

Clomiphene citrate can mimic the augmentative (positive) but not the depressing (negative) effect of estradiol on the LHRH-stimulated release of LH and FSH by the pituitary gland of the long-term ovariectomized rat. Schuiling GA, et al. **Experientia** 1985 Aug 15;41(8):1060-3

LHRH inactivation by reconstituted horse and fetal bovine sera: assessment by reduction of immunoreactivity and biological activity in pituitary cell cultures. O'Conner JL, et al. **FEBS Lett** 1984 Oct 15;176(1):101-4

Oestradiol 17 beta modifies fowl pituitary prolactin and growth hormone secretion in vitro. Hall TR, et al. **Gen Comp Endocrinol** 1984 Nov;56(2):299-307

Evidence for dopaminergic and serotonergic regulation of prolactin cell activity in the trout Salmo gairdneri. James VA, et al. **Gen Comp Endocrinol** 1984 Nov;56(2):231-9

Pituitary responsiveness to superfused GnRH in two species of ranid frogs. Porter DA, et al. **Gen Comp Endocrinol** 1985 Aug;59(2):308-15

Stimulatory effect of Sertoli cell culture medium on the FSH release by pituitary halves in vitro. Janecki A, et al. **Horm Metab Res** 1984 Nov;16(11):581-4

Effects of corticotropin-releasing factor and other materials on adrenocorticotropin secretion from pituitary glands of patients with Cushing's disease in vitro. Suda T, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):840-5

Pituitary and gonadal response to exogenous LH-releasing hormone in the male domestic cat. Goodrowe KL, et al. **J Endocrinol** 1985 May;105(2):175-81

Changes in pituitary responsiveness to LH-releasing hormone after acute buserelin treatment: a time-course and dose-response study. Heather JD, et al. **J Endocrinol** 1985 Jul;106(1):27-30

The role of microfilaments in the priming effect of LH-releasing hormone: an ultrastructural study using cytochalasin B. Lewis CE, et al. **J Endocrinol** 1985 Aug; 106(2):211-8

Infantile ovariectomy potentiates the stimulatory effect of oestrogen/progesterone on LH secretion in the rat. Wilkinson M, et al. **J Endocrinol** 1985 Jul;106(1):133-9

Responses to prolactin secretagogues in oestrogen-treated rats suggest that the defect in prolactin regulation produced by oestrogen is at the level of the pituitary gland. Willoughby JO, et al. **J Endocrinol** 1985 Mar;104(3):447-52

Involvement of calcium in the release of immunoreactive beta-endorphin-like peptide from dispersed cells of the neurointermediate lobe of the rat pituitary gland. Sakoda Y, et al. **Jpn J Pharmacol** 1985 Mar;37(3):259-67

Effects of dopamine and norepinephrine on in vitro spontaneous and gonadotropin-releasing hormone-induced gonadotropin release by dispersed cells or fragments of the goldfish pituitary. Chang JP, et al. **Life Sci** 1984 Nov 12; 35(20):2027-33

Response of superfused goldfish pituitary fragments to mammalian and salmon gonadotropin-releasing hormones. MacKenzie DS, et al. **Life Sci** 1984 Nov 12;35(20):2019-26

Increased gonadotrophin releasing hormone receptors on pituitary gonadotrophs: effect on subsequent LH secretion. Young LS, et al. **Mol Cell Endocrinol** 1985 Jun;41(1):69-78

The polyendocrine deficiency syndromes [editorial] Loriaux DL. **N Engl J Med** 1985 Jun 13;312(24):1568-9

Direct pituitary effects of estrogen and progesterone on gonadotropin secretion in the ovariectomized ewe. Clarke IJ, et al. **Neuroendocrinology** 1984 Sep;39(3):267-74

Naloxone-induced dissociation of oxytocin and prolactin releases. Samson WK, et al. **Neuroendocrinology** 1985 Jan; 40(1):68-71

Progesterone and the control of functional luteolysis, of secretion of prolactin and of pituitary LHRH responsiveness. A study with pseudopregnant rats kept in alternating and constant lighting conditions. Schuiling GA, et al. **Neuroendocrinology** 1985 Jul;41(1):52-9

Pituitary secretion of growth hormone in response to opioid peptides and opiates is mediated through growth hormone-releasing factor. Wehrenberg WB, et al. **Neuroendocrinology** 1985 Jul;41(1):13-6

Do short children secrete insufficient growth hormone? Zadik Z, et al. **Pediatrics** 1985 Sep;76(3):355-60

Effects of nicotine on beta-endorphin, alpha MSH, and ACTH secretion by isolated perfused mouse brains and pituitary glands, in vitro. Marty MA, et al. **Pharmacol Biochem Behav** 1985 Feb;22(2):317-25

The calcium antagonist nimodipine increases beta-endorphin release from rat hypophysis through an action on adrenal glands. An 'in vivo' and 'in vitro' study. Costa G, et al. **Pharmacol Res Commun** 1984 Oct;16(10):959-68

Ontogeny of the response to growth hormone-releasing factor. Baird A, et al. **Regul Pept** 1984 Dec;10(1):23-8

Possible role of the pineal gland in pituitary prolactin secretion in female rats. Minato K, et al. **Tohoku J Exp Med** 1984 Jul;143(3):305-13

[Global pituitary stimulation test with releasing hormones] Holl R, et al. **Dtsch Med Wochenschr** 1985 Jun 14; 110(24):953-5 (Eng. Abstr.) **(Ger)**

[The effects of cholera toxin in the release of beta-endorphin from the dispersed cells of the rat neurointermediate lobe] Furuki Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Aug 20;60(8):995-1004 (Eng. Abstr.) **(Jpn)**

[Disorder of hypophyseal somatotropin function in acute leukemia in children] Gluzman AE, et al. **Gematol Transfuziol** 1984 Aug;29(8):16-9 (Eng. Abstr.) **(Rus)**

[Somatotropic function of the hypophysis in the hypothalamic puberty syndrome] Balabolkin MI, et al. **Probl Endokrinol (Mosk)** 1985 Mar Apr;31(2):29-33 (Eng. Abstr.) **(Rus)**

SURGERY

Transsphenoidal microsurgery for Cushing's disease. Semple CG, et al. **Clin Endocrinol (Oxf)** 1984 Dec;21(6):621-9

Surgery of the pituitary gland [editorial] Phillips J. **Ir Med J** 1985 May;78(5):117

Trends in pituitary surgery. **Neurosurg Rev** 1985; 8(3-4):131-231

[Therapy of Cushing's syndrome and the results--with special reference to Hardy's method] Kuwayama A. **Nippon Rinsho** 1984 Nov;42(11):2474-7 (12 ref.) **(Jpn)**

TRANSPLANTATION

Effects of pituitary grafting and CB-154 treatment on the growth of prostates in mice. Mori T, et al. **Acta Anat (Basel)** 1984;120(4):180-4

Mouse strain (STS/A) resistant to mammary tumor induction by hypophysial isografts. van der Gugten AA, et al. **Cancer Res** 1985 Aug;45(8):3448-53

On mechanisms of sex differences in chemical carcinogenesis: effects of implantation of ectopic pituitary grafts on the early stages of liver carcinogenesis in the rat. Blanck A, et al. **Carcinogenesis** 1984 Oct;5(10):1257-62

Does prolactin modify testosterone feedback in the hamster? Pituitary grafts alter the ability of testosterone to suppress luteinizing hormone and follicle-stimulating hormone release in castrated male hamsters. Bartke A, et al. **Endocrinology** 1984 Oct;115(4):1506-10

Ectopic pituitary grafts in mice: hormone levels, effects on fertility, and the development of adenomyosis uteri, prolactinomas, and mammary carcinomas. Huseby RA, et al. **Endocrinology** 1985 Apr;116(4):1440-8

Growth hormone (GH)-releasing factor (GRF) pretreatment enhances the GRF-induced GH secretion in rats with the pituitary autotransplanted to the kidney capsule. Jansson JO, et al. **Endocrinology** 1985 Jan;116(1):95-8

The pattern of progesterone secretion in hypophysectomized rats bearing pituitary transplants: effects of hysterectomy, estrogen, and indomethacin. Ochiai K, et al. **Endocrinology** 1985 Feb;116(2):765-71

Increased serum prolactin levels mediate the suppressive effects of ectopic pituitary grafts on copulatory behavior in male rats. Doherty PC, et al. **Horm Behav** 1985 Jun; 19(2):111-21

Effects of different numbers of ectopic pituitary transplants on regulation of testicular LH/hCG and prolactin receptors in the hamster (Mesocricetus auratus). Amador A, et al. **J Reprod Fertil** 1985 Mar;73(2):483-9

Pituitary transplantation: Part 1. Successful reconstitution of pituitary-dependent hormone levels. Tulipan NB, et al. **Neurosurgery** 1985 Mar;16(3):331-5

Effect of pituitary hollow fiber units and thyroid supplementation on growth in the little mouse. Harkness JE, et al. **Proc Soc Exp Biol Med** 1984 Nov;177(2):312-7

ULTRASTRUCTURE

A scanning electron-microscopic study of 'supramarginal cells' in the pituitary cleft of the rat. Correr S, et al. **Cell Tissue Res** 1985;241(2):275-81

Ultrastructural identification of catecholaminergic fibers in the goldfish pituitary. A high-resolution radioautographic study after in vitro 3H-dopamine administration. Kah O, et al. **Cell Tissue Res** 1984;238(3):621-6

Stereological analysis of daily variation in the ultrastructure of the pars intermedia of the pituitary gland of the Djungarian hamster (Phodopus sungorus). Lagopoulos M, et al. **Cell Tissue Res** 1985;241(3):683-5

Influence of photoperiod on the ultrastructure of the hypophysial pars tuberalis of the Djungarian hamster, Phodopus sungorus. Wittkowski W, et al. **Cell Tissue Res** 1984;238(1):213-6

Lysosomes of the rat pituitary intermediate lobe. Bácsy E, et al. **Histochem J** 1985 May;17(5):548-51

Subcellular distribution of opioid peptides in rat hypothalamus and pituitary. Molineaux CJ, et al. **J Neurochem** 1984 Dec;43(6):1616-23

PITUITARY GLAND, ANTERIOR

Evidence supporting a correlation between arachidonic acid release and prolactin secretion from GH3 cells. Camoratto AM, et al. **Endocrinology** 1985 Apr;116(4):1506-13

Comparative effects of homoplastic pituitary pars distalis homogenate (PDH), pregnant mare serum gonadotrophin (PMSG), human chorionic gonadotrophin (HCG), growth hormone (GH), PMSG + GH, and HCG + GH on oocyte recruitment and development in the long-term hypophysectomized frog, Rana cyanophlyctis (Schn). Pancharatna M, et al. **Gen Comp Endocrinol** 1985 Feb; 57(2):161-71

ANALYSIS

Isolation of two different pools of pituitary prolactin. Torres AI, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):25-30

Application of the dual-cell coulometric detector: a method for assaying monoamines and their metabolites. Achilli G, et al. **Anal Biochem** 1985 Jul;148(1):1-9

Immunohistochemical localization of chromogranin in human hypophyses and pituitary adenomas. Lloyd RV, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):515-7

Influence of bilateral cryptorchidism on rat pituitary luteinizing hormone charge microheterogeneity. Keel BA, et al. **Biol Reprod** 1985 Feb;32(1):83-9

The impact of aging on luteinizing hormone (LH) and thyroid-stimulating hormone (TSH) in the rat brain. Emanuele NV, et al. **Brain Res** 1985 Jun;352(2):179-83

Dopamine receptors regulate Met-enkephalin content in pituitary. George SR, et al. **Brain Res** 1985 May 13; 334(1):187-9

Histoimmunological identification of a prolactin-like substance in rodent testis. Roux M, et al. **Cell Tissue Res** 1985;240(3):663-7

Tissue concentrations of opioid peptides in rats do not depend on blood pressure height. Gaida W, et al. **Clin Exp Hypertens [A]** 1984;6(10-11):2045-50

Age-, sex-, and gonadal steroid-related changes in immunoreactive substance P in the rat anterior pituitary gland. DePalatis LR, et al. **Endocrinology** 1985 Oct; 117(4):1368-73

Separation and partial characterization by high-performance liquid chromatography and radioimmunoassay of different forms of melanocyte-stimulating hormone from fish (Cyprinidae) neurointermediate lobes. Follénius E, et al. **Gen Comp Endocrinol** 1985 Feb;57(2):198-207

Immunoreactivity for Met-enkephalin and substance P in cells of the adenohypophysis of larval and adult sea lampreys, Petromyzon marinus. Nozaki M, et al. **Gen Comp Endocrinol** 1985 Feb;57(2):172-83

Subcellular compartmentation of prolactin in rat lactotrophs. Torres AI, et al. **J Endocrinol** 1985 May;105(2):219-25

Immunocytochemical localization of atrial natriuretic factor in the kidney, adrenal medulla, pituitary, and atrium of rat. McKenzie JC, et al. **J Histochem Cytochem** 1985 Aug; 33(8):828-32

Modulation of anterior pituitary dopamine receptors by estradiol 17-beta: dose-response relationship. Ali SF, et al. **J Neurosci Res** 1985;13(4):497-507

Further studies on the localization of angiotensin-II-like immunoreactivity in the anterior pituitary gland of the male rat, comparing various antisera to pituitary hormones and their specificity. Deschepper CF, et al. **Neuroendocrinology** 1985 Jun;40(6):471-5

Endorphins in inbred mice with variable sensitivity to ethanol: effect of acute ethanol treatment. Gianoulakis C, et al. **Neuropeptides** 1985 Feb;5(4-6):579-82

Chronic pain in the rat: selective alterations in CNS and pituitary pools of dynorphin as compared to vasopressin. Millan MJ, et al. **Neuropeptides** 1985 Feb;5(4-6):423-4

Antidepressants and endogenous opioid peptide systems. Przewlocki R, et al. **Neuropeptides** 1985 Feb;5(4-6):575-8

gamma-Aminobutyric acid decreases levels of messenger ribonucleic acid encoding prolactin in the rat pituitary. Loeffler JP, et al. **Neurosci Lett** 1985 Jan 7;53(1):121-5

Effects of intravenously administered 6-hydroxydopamine on the content of monoamines in the median eminence and neurointermediate lobe of the rat. Sheward WJ, et al. **Neurosci Lett** 1985 Apr 9;55(2):141-4

A '20K' form of growth hormone in the murine pituitary gland. Sinha YN, et al. **Proc Soc Exp Biol Med** 1984 Dec; 177(3):465-74

Radioimmunoassay for fibroblast growth factor (FGF): release by the bovine anterior pituitary in vitro. Baird A, et al. **Regul Pept** 1985 Apr;10(4):309-17

Novel variants of adrenocorticotrophic hormone in porcine anterior pituitary. Ekman R, et al. **Regul Pept** 1984 Jul; 8(4):305-14

[Study of growth hormone in spontaneous dwarf rat] Okuma S. **Nippon Naibunpi Gakkai Zasshi** 1984 Aug 20; 60(8):1005-14 (Eng. Abstr.) **(Jpn)**

[Standardization of a double antibody radioimmunoassay technic for the determination of growth hormone in the rat plasma and pituitary] Achilles P, et al. **Arch Latinoam Nutr** 1984 Jun;34(2):343-54 (Eng. Abstr.) **(Por)**

[Immunohistochemical detection of prolactin in the hypophysis of the chick and chick embryo] Barabanov VM. **Ontogenez** 1985 Mar-Apr;16(2):118-26 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Pituitary cysts in the sea lamprey of the Great Lakes, Petromyzon marinus L. Sholdice JA, et al. **Gen Comp Endocrinol** 1985 Jan;57(1):135-49

BLOOD SUPPLY

Formation of a direct arterial blood supply to the anterior pituitary gland following complete or partial interruption of the hypophyseal portal vessels. Monnet F, et al. **Neuroendocrinology** 1984 Sep;39(3):251-5

CYTOLOGY

Functional integrity of anterior pituitary cells separated by a density gradient. Scheikl-Lenz B, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):25-31

Immunohistochemistry of folliculo-stellate cells in normal human adenohypophyses and in pituitary adenomas. Höfler H, et al. **Acta Neuropathol (Berl)** 1984;65(1):35-40

Immunocytochemical localization of S-100 protein in stellate cells (folliculo-stellate cells) of the anterior lobe of the normal human pituitary. Girod C, et al. **Cell Tissue Res** 1985;241(3):505-11

Mitotic activity of gonadotropes in the anterior pituitary of the castrated male rat. Inoue K, et al. **Cell Tissue Res** 1985; 240(2):271-6

Flow cytometric immunofluorescence of rat anterior pituitary cells. Hatfield JM, et al. **Cytometry** 1985 Mar; 6(2):137-42

A novel type of vasopressin receptor on anterior pituitary corticotrophs? Baertschi AJ, et al. **Endocrinology** 1985 Feb; 116(2):499-502

Preparation of thyrotroph cells from adult male rat pituitary glands by centrifugal elutriation. Chamras H, et al. **Endocrinology** 1984 Oct;115(4):1406-11

Identification by plaque assays of a pituitary cell type that secretes both growth hormone and prolactin. Frawley LS, et al. **Endocrinology** 1985 Feb;116(2):734-7

Ontogeny of prolactin cells in neonatal rats: initial prolactin secretors also release growth hormone. Hoeffler JP, et al. **Endocrinology** 1985 Jul;117(1):187-95

Intracellular processing of prolactin. Oetting WS, et al. **Endocrinology** 1985 Oct;117(4):1565-9

Cysteamine depletes prolactin (PRL) but does not alter the structure of PRL-containing granules in the anterior pituitary. Weinstein LA, et al. **Endocrinology** 1984 Oct; 115(4):1543-50

Quantification of morphological changes in pituitary corticotropes produced by in vivo corticotropin-releasing factor stimulation and adrenalectomy. Westlund KN, et al. **Endocrinology** 1985 Jan;116(1):439-45

Adenohypophyseal cell types in the pituitary gland of Osteobrama cotio (Ham.). Sahai S. **Folia Morphol (Praha)** 1984;32(3):279-84

Adenohypophysial cell types in an Indian freshwater major carp, Catla catla (Hamilton). Mandal S, et al. **Gegenbaurs Morphol Jahrb** 1985;131(1):81-92

Stimulation of crop sac and pituitary lactotrophs after intraventricular administration of dermorphin in pigeons. Rotiroti D, et al. **Gen Comp Endocrinol** 1984 Oct; 56(1):24-31

A method for estimation of the total number of parenchymal cells of the anterior pituitary gland in the mouse and rat studied by electron microscopy. Sano M, et al. **J Electron Microsc (Tokyo)** 1984;33(1):65-7

Monosodium L-glutamate administration: effects on gonadotrophin secretion, gonadotrophs and mammotrophs in prepubertal female rats. Dada MO, et al. **J Endocrinol** 1985 Feb;104(2):185-92

Immunohistochemistry of the hypothalamic neuropeptides and anterior pituitary cells in the Japanese quail. Mikami S, et al. **J Exp Zool** 1984 Dec;232(3):405-17 (60 ref.)

Monoclonal antibody LICR-LON-E36 recognizes gonadotrophs in female rat pituitaries. Monaghan P, et al. **J Histochem Cytochem** 1984 Oct;32(10):1048-54

The preparation, culture, and incubation of rat anterior pituitary cells for static and dynamic studies of secretion. Dobson PR, et al. **Methods Enzymol** 1985;109:293-8

A reverse hemolytic plaque assay for microscopic visualization of growth hormone release from individual cells: evidence for somatotrope heterogeneity. Frawley LS, et al. **Neuroendocrinology** 1984 Nov;39(5):484-7

Ontogenetic development of the pro-enkephalin B (= pro-dynorphin) opioid peptide system in the rat pituitary. Seizinger BR, et al. **Neuroendocrinology** 1984 Nov; 39(5):414-22

DRUG EFFECTS

Effect of sulpiride on the adenohypophysis of castrated male rats. Immunocytochemistry and ultrastructural cytomorphometry. Pérez RL, et al. **Acta Anat (Basel)** 1984; 120(3):129-37

Prolactin and growth hormone secretion in chickens: stimulation by histamine and inhibition by gamma-aminobutyric acid. Hall TR, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):36-41

Flunarizine, a calcium influx blocker, inhibits TRH-but not potassium-stimulated prolactin secretion. Merritt JE, et al. **Acta Endocrinol (Copenh)** 1984 Sep;107(1):31-5

Effect of phorbol esters on the release of growth hormone and prolactin from rat pituitary cells cultured in monolayer. Ohmura E, et al. **Acta Endocrinol (Copenh)** 1984 Oct; 107(2):185-91

Somatostatin inhibition of cyclic AMP accumulation and adrenocorticotropin release from mouse anterior pituitary tumor cells: mode of action and self-regulation. Reisine TD. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1985;19:169-77

Estradiol potentiation of gonadotropin-releasing hormone responsiveness in the anterior pituitary is mediated by an increase in gonadotropin-releasing hormone receptors. Menon M, et al. **Am J Obstet Gynecol** 1985 Feb 15; 151(4):534-40

Dopamine D2 receptors modulate neurotransmitter-regulated calcium ion gates. Memo M, et al. **Ann Ist Super Sanita** 1984;20(1):5-10

Suppressive effect of prostaglandin D2 on prolactin secretion from rat anterior pituitary. Arisawa M, et al. **Asia Oceania J Obstet Gynaecol** 1985 Mar;11(1):127-30

Tumor promoters enhance basal and growth hormone releasing factor stimulated cyclic AMP levels in anterior pituitary cells. Cronin MJ, et al. **Biochem Biophys Res Commun** 1985 Jun 14;129(2):404-10

Synthesis and in vitro bioactivity of C-terminal deleted analogs of human growth hormone-releasing factor. Ling N, et al. **Biochem Biophys Res Commun** 1984 Sep 17; 123(2):854-61

The effects of testosterone and estrogen on the pituitary growth hormone response to growth hormone-releasing factor. Wehrenberg WB, et al. **Biol Reprod** 1985 Mar; 32(2):369-75

Pituitary secretion after administration of a new cerebroactive drug, fipexide. Rolandi E, et al. **Br J Clin Pharmacol** 1984 Aug;18(2):236-9

Progesterone inhibits prolactin and growth hormone release from fowl pituitary glands in vitro. Hall TR, et al. **Br Poult Sci** 1984 Oct;25(4):555-9

The effects of chronic neuroleptic treatment on neurotensin-like immunoreactivity in the rat central nervous system. Goedert M, et al. **Brain Res** 1985 Jun 3; 335(2):334-6

Mesulergine, a new dopamine agonist: effects on anterior pituitary function and kinetics. Borges JL, et al. **Clin Pharmacol Ther** 1984 Nov;36(5):696-703

Effects of insulin-like growth factors on adult male rat pituitary function in tissue culture. Goodyer CG, et al. **Endocrinology** 1984 Oct;115(4):1568-76

Dopamine decreases 7315a tumor cell prolactin release induced by calcium mobilization. Judd AM, et al. **Endocrinology** 1985 Sep;117(3):1215-21

Studies on the effects of catecholestrogens on prolactin secretion by cultured normal rat anterior pituitary cells. Lamberts SW, et al. **Endocrinology** 1985 Jun;116(6):2631-6

Multiple mechanisms of somatostatin inhibition of adrenocorticotropin release from mouse anterior pituitary tumor cells. Reisine T. **Endocrinology** 1985 Jun; 116(6):2259-66

The intestinal peptide PHI-27 potentiates the action of corticotropin-releasing factor on ACTH release from rat pituitary fragments in vitro. Tilders F, et al. **Endocrinology** 1984 Oct;115(4):1633-5

Stimulation by leumorphin of prolactin secretion from the pituitary in rats. Tojo K, et al. **Endocrinology** 1985 Sep; 117(3):1169-74

Interaction of SCH 23390, a D-1-selective antagonist, with the anterior pituitary D-2 receptors and prolactin secretion in the rat. Apud JA, et al. **Eur J Pharmacol** 1985 Jun 7; 112(2):187-93

Morphologic effects of cysteamine on the rat adenohypophysis. Cairns PD, et al. **Exp Mol Pathol** 1984 Dec;41(3):298-308

In vivo and in vitro effects of cholecystokinin octapeptide on the release of growth hormone in rats. Matsumura M, et al. **Horm Metab Res** 1984 Dec;16(12):626-30

Effect of repeated stimulation by thyrotropin-releasing hormone (TRH) on thyrotropin and prolactin secretion in perfused euthyroid and hypothyroid rat pituitary fragments. Askew RD, et al. **Horm Res** 1984;20(4):269-76

Somatostatin inhibits prolactin release from the lactotroph primed with oestrogen and cyproterone acetate in man. Gooren LJ, et al. **J Endocrinol** 1984 Dec;103(3):333-5

The effect of ovine pineal compounds prepared under red or green light on the activity of male rat anterior pituitaries in vitro. Slama-Scemama A, et al. **J Neural Transm** 1985; 62(1-2):155-67

Reduction of blood flow in the adenohypophysis of rats by bromocriptine. Kemeny AA, et al. **J Neurosurg** 1985 Jul; 63(1):120-4

Inhibition of pituitary adenylate cyclase by atrial natriuretic factor. Anand-Srivastava MB, et al. **Life Sci** 1985 May 13;36(19):1873-9

The mechanism of action of cyproheptadine on prolactin release by cultured anterior pituitary cells. Lamberts SW, et al. **Life Sci** 1985 Jun 10;36(23):2257-62

Modification of basal and GRF-stimulated cyclic AMP levels and growth hormone release by phospholipid metabolic enzyme inhibitors. Cronin MJ, et al. **Neuroendocrinology** 1985 Apr;40(4):332-8

Cimetidine-induced prolactin release: possible involvement of the GABA-ergic system. Sibilia V, et al. **Neuroendocrinology** 1985 Mar;40(3):189-92

6-Hydroxydopamine induces degenerative changes in innervation of the rat pituitary gland. Saland LC, et al. **Neurosci Lett** 1985 Jun 4;57(1):49-55

Shifts in gonadotropin storage in cultured gonadotropes following GnRH stimulation, in vitro. Childs GV. **Peptides (Fayetteville)** 1985 Jan-Feb;6(1):103-7

The effects of gastric inhibitory polypeptide (GIP) on the release of anterior pituitary hormones. Ottlecz A, et al. **Peptides (Fayetteville)** 1985 Jan-Feb;6(1):115-9

Metoclopramide potentiates the hypophyseal reactions to oestradiol. Schreiber V, et al. **Physiol Bohemoslov** 1984; 33(5):385-9

Lithium induces corticotropin secretion and desensitization in cultured anterior pituitary cells. Zatz M, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1286-90

LHRH agonists--mechanism of action and effect on target tissues. Sandow J, et al. **Prog Clin Biol Res** 1985; 185A:121-42

ACTH-releasing activity of urotensin I and ovine CRF: interactions with arginine vasotocin, isotocin and arginine vasopressin. Fryer J, et al. **Regul Pept** 1985 May;11(1):11-5

A new method for studying pituitary responsiveness in vivo using pulses of LH-RH analogue in ewes passively immunized against native LH-RH. Caraty A, et al. **Reprod Nutr Dev** 1984;24(4):439-48

Aminoglutethimide-stimulated corticotrophs. An immunocytologic, ultrastructural and immunoelectron microscopic study of the rat adenohypophysis. Zak M, et al. **Virchows Arch [Cell Pathol]** 1985;49(1):93-106

[Effect of the administration of thyroxine and estradiol on the morphology of the anterior lobe of the pituitary gland] Szczurek Z, et al. **Patol Pol** 1984 Oct-Dec;35(4):499-507 (Eng. Abstr.) **(Pol)**

EMBRYOLOGY

Mesenchymal influences on the development of the adenohypophysis in the rat. Schechter J, et al. **Cell Tissue Res** 1985;241(1):67-76

Androgen and estrogen receptors in fetal rhesus monkey brain and anterior pituitary. Pomerantz SM, et al. **Endocrinology** 1985 Jan;116(1):83-9

Hypothalamo-adenohypophyseal-thyroid interrelationships in the developing chick embryo. VII. Immunocytochemical demonstration of thyrotrophin-releasing hormone. Thommes RC, et al. **Gen Comp Endocrinol** 1985 Jan; 57(1):1-9

ENZYMOLOGY

Further characterization of the peptidyl alpha-amidating enzyme in rat anterior pituitary secretory granules. Glembotski CC. **Arch Biochem Biophys** 1985 Sep; 241(2):673-83

Activation of a latent kinin-generating proteinase in the porcine anterior pituitary. Powers CA, et al. **Biochim Biophys Acta** 1984 Oct 23;790(2):182-7

Steroid aromatase, 2-hydroxylase and COMT activity in gonadotropic cells of the African catfish, Clarias gariepinus. Goos HJ, et al. **Cell Biol Int Rep** 1985 Jun; 9(6):529

Regulation by calmodulin of adenylate cyclase activity in anterior pituitary. Peake GT, et al. **Endocrinology** 1985 May;116(5):2098-102

Human pancreatic tumor growth hormone-releasing factor stimulates anterior pituitary adenylate cyclase activity, adenosine 3',5'-monophosphate accumulation, and growth hormone release in a calmodulin-dependent manner. Schettini G, et al. **Endocrinology** 1984 Oct;115(4):1308-14

Regulation of rat cerebrocortical and adenohypophyseal type II 5'-deiodinase by thyroxine, triiodothyronine, and reverse triiodothyronine. Silva JE, et al. **Endocrinology** 1985 Apr; 116(4):1627-35

Epoxygenation of arachidonic acid by rat anterior pituitary microsomal fractions. Capdevila J, et al. **FEBS Lett** 1984 Dec 10;178(2):319-22

Hormone-induced redistribution of calcium-activated phospholipid-dependent protein kinase in pituitary gonadotrophs. Hirota K, et al. **J Biol Chem** 1985 Mar 25; 260(6):3243-6

Pituitary progesterone 5 alpha-reductase: solubilization and partial characterization. Bertics PJ, et al. **J Steroid Biochem** 1985 Jun;22(6):795-802

Dopamine inhibition of anterior pituitary adenylate cyclase is mediated through the high-affinity state of the D2 receptor. Borgundvaag B, et al. **Life Sci** 1985 Jul 29; 37(4):379-86

Hormonal inhibition of adenylate cyclase. A crucial role for Mg2+. Bockaert J, et al. **Mol Pharmacol** 1984 Sep; 26(2):180-6

Choline acetyltransferase activity in the pars distalis, preoptic area and striatum during the rat estrous cycle. Simpson J, et al. **Neuroendocrinology** 1985 May;40(5):444-9

Isolation and characterization of four proteases from porcine pituitary neurointermediate lobes: relationship to the maturation enzyme of prohormones. Cromlish JA, et al. **Neuropeptides** 1985 Feb;5(4-6):493-6

Effect of aflatoxicosis on acetylcholinesterase activity in the brain and adenohypophysis of the male rat. Egbunike GN, et al. **Neurosci Lett** 1984 Nov 23;52(1-2):171-4

Effect of gonadal steroids on hypothalamus and anterior pituitary endo-oligopeptidase B (proline-endopeptidase) activity in castrated female rats. López-Jaramillo P, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):1017-9

GROWTH & DEVELOPMENT

Reduction of pituitary GnRH receptors in immature rats treated with monosodium glutamate. Dalkin AC, et al. **Am J Physiol** 1985 Jan;248(1 Pt 1):E126-31

Development of pituitary gonadotropic cells in the pig fetus and the effect of luteinizing hormone-releasing hormone administration. Meijer JC, et al. **Biol Reprod** 1985 Feb; 32(1):137-43

Posttranslational processing of proadrenocorticotropin/endorphin-derived peptides during postnatal development in the rat pituitary. Sato SM, et al. **Endocrinology** 1985 Aug;117(2):773-86

In vivo supersensitivity of the anterior pituitary of old female rats to dopaminergic inhibition of prolactin secretion. Cocchi D, et al. **Gerontology** 1984;30(6):345-9

INJURIES

[Chronic anterior hypophyseal insufficiency following frontobasal skull fractures] Göpel W, et al. **Z Gesamte Inn Med** 1985 Apr 1;40(7):209-13 (Eng. Abstr.) **(Ger)**

METABOLISM

Early effect of thyroid hormone on cytosolic protein phosphorylation in rat anterior pituitary. Nakamura H, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):326-9

Effect of long-term corticosteroid administration on rat pituitary growth hormone and prolactin. Oosterom R, et al. **Acta Endocrinol (Copenh)** 1985 Apr;108(4):475-8

Oestradiol binding to nuclei of anterior pituitary cells of the ram. Thieulant ML, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):50-7

Pituitary LH responsiveness to GnRH in vitro as related to GnRH receptor number. Baldwin DM, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E651-6

Stimulation of pituitary cAMP accumulation by human pancreatic GH-releasing factor-(1-44). Culler MD, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E609-15

Water deprivation upregulates angiotensin II receptors in rat anterior pituitary. Israel A, et al. **Am J Physiol** 1985 Feb; 248(2 Pt 1):E264-7

GRF increases release of growth hormone and arachidonate from anterior pituitary cells. Judd AM, et al. **Am J Physiol** 1985 Apr;248(4 Pt 1):E438-42

Reserpine is a calcium channel antagonist in normal and GH3 rat pituitary cells. Login IS, et al. **Am J Physiol** 1985 Jan; 248(1 Pt 1):E15-9

Maitotoxin stimulates hormonal release and calcium flux in rat anterior pituitary cells in vitro. Schettini G, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):E520-5

Electron microscopic immunocytochemistry by the protein A-gold method of two types of rat anterior pituitary ACTH cells. Kurosumi K, et al. **Arch Histol Jpn** 1984 Aug; 47(3):279-91

Growth hormone-releasing factor (GRF) stimulates PGE2 production in rat anterior pituitary. Evidence for a PGE2 involvement in GRF-induced GH release. Fafeur V, et al. **Biochem Biophys Res Commun** 1985 Jan 31; 126(2):725-33

Photoaffinity labeling of gonadotropin releasing hormone receptors in control and desensitized pituitary cells. Hazum E, et al. **Biochem Biophys Res Commun** 1984 Dec 14; 125(2):532-8

Corticotropin-releasing factor differentially regulates proopiomelanocortin messenger ribonucleic acid levels in anterior as compared to intermediate pituitary lobes of rats. Höllt V, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):407-15

Pituitary 1,25-dihydroxyvitamin D3 receptors in hyperthyroid- and hypothyroid-rats. Kashio Y, et al. **Biochem Biophys Res Commun** 1985 Aug 30;131(1):122-8

Further characterization of the porcine LH subunits precursors in the translation products of pituitary RNAs. Pascal O, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):383-7

Photoaffinity labeling of D-2 dopamine binding subunits from rat striatum, anterior pituitary and olfactory bulb with a new probe, [3H]azidosulpride. Redouane K, et al. **Biochem Biophys Res Commun** 1985 Aug 15;130(3):1086-92

Specific binding of synthetic human pancreatic growth hormone releasing factor (1-40-OH) to bovine anterior pituitaries. Veliçelebi G, et al. **Biochem Biophys Res Commun** 1985 Jan 16;126(1):33-9

Pertussis toxin blocks the inhibitory effect of muscarinic cholinergic agonists on cyclic AMP accumulation and prolactin secretion in GH3 anterior-pituitary tumour cells. Brown BL, et al. **Biochem J** 1984 Oct 1;223(1):145-9

Gonadotropin releasing hormone stimulates the formation of inositol phosphates in rat anterior pituitary tissue. Schrey MP. **Biochem J** 1985 Mar 1;226(2):563-9

Sex differences in the cyclic adenosine 3':5'-monophosphate and growth hormone response to growth hormone-releasing factor in vitro. Cronin MJ, et al. **Biol Reprod** 1984 Dec;31(5):984-8

Effect of number of receptors for gonadotropin-releasing hormone on the release of luteinizing hormone. Wise ME, et al. **Biol Reprod** 1984 Dec;31(5):1007-13

Immunohistochemical localization of neurotensin and beta-endorphin in the rat anterior pituitary gland. Miyoshi R, et al. **Brain Res** 1985 Apr 8;331(2):386-8

Localization of putative gonadotrophin releasing hormone receptor protein in the anterior pituitary. Zolman JC, et al. **Cell Biochem Funct** 1984 Oct;2(4):208-12

Estradiol increases dopamine turnover in intermediate and posterior pituitary lobes of ovariectomized rats. Saavedra JM, et al. **Cell Mol Neurobiol** 1984 Dec;4(4):397-402

A correlative radioimmunoassay and immunohistochemical study of LHRH-induced LH depletion in the anterior pituitary of male and female neonatal rats in vitro. Watanabe YG, et al. **Cell Tissue Res** 1985;240(1):95-100

Demonstration of an antiglucocorticoid action of progesterone on the corticosterone inhibition of beta-endorphin release by rat anterior pituitary in primary culture. Abou Samra AB, et al. **Endocrinology** 1984 Oct; 115(4):1471-5

The effects of gonadal steroids on the content of substance P in the rat anterior pituitary. Coslovsky R, et al. **Endocrinology** 1984 Dec;115(6):2285-9

Adenohypophysial dopamine content during physiological changes in prolactin secretion. Demarest KT, et al. **Endocrinology** 1984 Dec;115(6):2091-7

Adenohypophysial dopamine content and prolactin secretion in the aged male and female rat. Demarest KT, et al. **Endocrinology** 1985 Apr;116(4):1316-23

The effect of various corticotropin-releasing factor trains on the release of adrenocorticotropin, beta-endorphin, and beta-lipotropin from perifused ovine pituitary cells. Evans MJ, et al. **Endocrinology** 1985 Sep;117(3):893-9

The functional state of the dopamine receptor in the anterior pituitary is in the high affinity form. George SR, et al. **Endocrinology** 1985 Aug;117(2):690-7

Somatostatin-14 and somatostatin-28 pretreatment down-regulate somatostatin-14 receptors and have biphasic effects on forskolin-stimulated cyclic adenosine, 3',5'-monophosphate synthesis and adrenocorticotropin secretion in mouse anterior pituitary tumor cells. Heisler S, et al. **Endocrinology** 1985 Jul;117(1):217-25

Photoaffinity labeling of pituitary and gonadal receptors for gonadotropin-releasing hormone. Iwashita M, et al. **Endocrinology** 1985 Aug;117(2):738-46

Modulation of somatostatin binding to rat pituitary membranes by exogenously administered growth hormone. Katakami H, et al. **Endocrinology** 1985 Aug;117(2):557-60

Synthesis and release of luteinizing hormone in vitro by rat anterior pituitary cells: effects of gallopamil hydrochloride (D600) and pimozide. Liu TC, et al. **Endocrinology** 1985 Oct;117(4):1608-14

Depletion of bovine pituitary prolactin by cysteamine involves a thiol:disulfide mechanism. Lorenson MY, et al. **Endocrinology** 1984 Oct;115(4):1492-5

Pharmacological characterization of the angiotensin receptor negatively coupled with adenylate cyclase in rat anterior pituitary gland. Marie J, et al. **Endocrinology** 1985 Mar; 116(3):1044-50

Effects of thyrotropin-releasing hormone on prolactin compartments in normal rat pituitary cells in primary culture. Morin A, et al. **Endocrinology** 1984 Dec; 115(6):2278-84

The mechanism of action of cysteamine in depleting prolactin immunoreactivity. Sagar SM, et al. **Endocrinology** 1985 Aug;117(2):591-600

Pituitary binding of 3H-labeled Sertoli cell factor in vitro: a potential radioreceptor assay for inhibin. Seethalakshmi L, et al. **Endocrinology** 1984 Oct;115(4):1289-94

Growth hormone-releasing factor binding sites in rat anterior pituitary membrane homogenates: modulation by glucocorticoids. Seifert H, et al. **Endocrinology** 1985 Jul; 117(1):424-6

Catecholestrogen regulation of prolactin synthesis in pituitary cell culture. Shupnik MA, et al. **Endocrinology** 1985 Sep; 117(3):939-46

Detection of LH release from individual pituitary cells by the reverse hemolytic plaque assay: estrogen increases the fraction of gonadotropes responding to GnRH. Smith PF, et al. **Endocrinology** 1984 Dec;115(6):2484-6

Hyperprolactinemia fails to increase striatal dopamine receptors in male and female C57BL/6J mice. Morgan DG, et al. **Eur J Pharmacol** 1984 Dec 15;107(1):101-4

On the blood-brain barrier to peptides: [3H]gonadotropin-releasing hormone accumulation by eighteen regions of the rat brain and by anterior pituitary. Ermisch A, et al. **Exp Clin Endocrinol** 1984 Jul;84(1):112-6

Intracellular accumulation of mercury in the anterior pituitary of rats exposed to mercuric chloride. Thorlacius-Ussing O, et al. **Exp Mol Pathol** 1985 Apr; 42(2):278-86

A novel radioiodinated high affinity ligand for the D2-dopamine receptor. Characterization of its binding in bovine anterior pituitary membranes. Amlaiky N, et al. **FEBS Lett** 1984 Oct 29;176(2):436-40

Effects of growth hormone-releasing factor and somatostatin on growth hormone secretion and cellular cyclic AMP levels. Cultured ovine and rat anterior pituitary cells show markedly different responses. Law GJ, et al. **FEBS Lett** 1985 Jan 1;179(1):12-6

Vasopressin rapidly stimulates phosphatidic acid-phosphatidylinositol turnover in rat anterior pituitary cells. Raymond V, et al. **FEBS Lett** 1985 Mar 11; 182(1):196-200

In vitro synthesis of ACTH- and beta-endorphin-related substances in the pars distalis of Anolis carolinensis. Dores RM, et al. **Gen Comp Endocrinol** 1984 Oct;56(1):90-9

The influence of thyrotropin releasing hormone on in vivo prolactin release and in vitro prolactin, luteinizing hormone, and growth hormone release from dispersed pituitary cells of the young turkey (Meleagris gallopavo). Fehrer SC, et al. **Gen Comp Endocrinol** 1985 Jul;59(1):64-72

Immunocytochemical study of growth hormone, prolactin, and thyroid-stimulating hormone in the adenohypophysis of the sea lamprey, Petromyzon marinus L., during its upstream migration. Wright GM. **Gen Comp Endocrinol** 1984 Aug;55(2):269-74

DNA synthesis in lactotrophs of primary rat anterior pituitary cell cultures. Effects of thyroliberin, bromocriptine and somatostatin. Komolov IS, et al. **Histochemistry** 1985;82(5):497-500

Relationship between release of LH and incorporation of tritiated thymidine in the anterior pituitary gland of the castrated female rat. Machiavelli GA, et al. **Horm Metab Res** 1985 Jun;17(6):298-300

Conversion of thyroxine to triiodothyronine in the anterior pituitary gland and the influence of this process on thyroid status. Kaplan MM, et al. **Horm Metab Res [Suppl]** 1984; 14:79-85

Effects of alloxan-induced diabetes on dopaminergic receptors in rat striatum and anterior pituitary. Serri O, et al. **Horm Res** 1985;21(2):95-101

Pituitary concentrations of gonadotropins and receptors for GnRH in suckled beef cows at various intervals after calving. Moss GE, et al. **J Anim Sci** 1985 Jan;60(1):285-93

LHRH receptor, LH and FSH concentrations in anterior pituitaries of cycling, noncycling and early pregnant heifers. Schoenemann HM, et al. **J Anim Sci** 1985 Feb; 60(2):532-6

Receptor-binding properties of gonadotropin-releasing hormone derivatives. Prolonged receptor occupancy and cell-surface localization of a potent antagonist analog. Loumaye E, et al. **J Biol Chem** 1984 Oct 25; 259(20):12663-71

Immunocytochemical demonstration of tissue-type plasminogen activator in endocrine cells of the rat pituitary gland. Kristensen P, et al. **J Cell Biol** 1985 Jul;101(1):305-11

The major tyrosine-sulfated protein of the bovine anterior pituitary is a secretory protein present in gonadotrophs, thyrotrophs, mammotrophs, and corticotrophs. Rosa P, et al. **J Cell Biol** 1985 Mar;100(3):928-37

Comparative study of pituitary-thyroid hormone economy in fasting and hypothyroid rats. St Germain DL, et al. **J Clin Invest** 1985 Feb;75(2):679-88

Phenytoin and thyroid hormone action. Franklyn JA, et al. **J Endocrinol** 1985 Feb;104(2):201-4

Dopamine enters lactotrophs and reaches their secretory granules. Gallardo MG, et al. **J Endocrinol** 1985 Jan; 104(1):23-8

Alteration by thyrotrophin-releasing hormone of heterogeneous components associated with thyrotrophin biosynthesis in the rat anterior pituitary gland. Mori M, et al. **J Endocrinol** 1984 Nov;103(2):165-71

Dopamine D2 receptors in the anterior pituitary: a single population without reciprocal antagonist/agonist states. George SR, et al. **J Neurochem** 1985 Apr;44(4):1168-77

Localization of somatostatin receptors in secretion vesicles in anterior pituitary cells and pancreatic islets. Draznin B, et al. **J Recept Res** 1985;5(1):83-103

Time course of anterior pituitary estrogen receptor after low 17 beta-estradiol doses in ovariectomized rats. Gómez-Benítez J, et al. **J Steroid Biochem** 1985 Jul; 23(1):77-80

Diacylglycerol lipase and pituitary prolactin release in vitro: studies employing RHC 80267. Canonico PL, et al. **Life Sci** 1985 Mar 11;36(10):997-1002

Interactions between Ca2+-antagonist binding sites in rat adenohypophysis: dependence on estrous cycle. Moscona-Amir E, et al. **Life Sci** 1984 Sep 3;35(10):1043-50

Various proteinase inhibitors decrease prolactin and growth hormone release by anterior pituitary cells. Rappay G, et al. **Life Sci** 1985 Feb 11;36(6):549-55

Characterization of voltage-sensitive calcium channels in a clonal pituitary cell line. Shangold GA, et al. **Life Sci** 1985 Jun 10;36(23):2209-15

Down-regulation of nuclear T3 receptors by thyroid hormones in the rat anterior pituitary. Franklyn JA, et al. **Mol Cell Endocrinol** 1985 May;40(2-3):145-8

Kallikrein gene expression in the rat anterior pituitary. Fuller PJ, et al. **Mol Cell Endocrinol** 1985 Feb;39(2):99-105

Actions of growth hormone-releasing factor and somatostatin on adenylate cyclase and growth hormone release in rat anterior pituitary. Harwood JP, et al. **Mol Cell Endocrinol** 1984 Oct;37(3):277-84

Somatostatin desensitization in rat anterior pituitary cells. Smith MA, et al. **Mol Cell Endocrinol** 1984 Oct;37(3):311-8

The ternary complex model. Its properties and application to ligand interactions with the D2-dopamine receptor of the anterior pituitary gland. Wreggett KA, et al. **Mol Pharmacol** 1984 Sep;26(2):214-27

Independent effects of growth hormone releasing factor on growth hormone release and gene transcription. Barinaga M, et al. **Nature** 1985 Mar 21-27;314(6008):279-81

Binding sites for growth hormone releasing factor on rat anterior pituitary cells. Seifert H, et al. **Nature** 1985 Feb 7-13;313(6002):487-9

Release of dynorphin-like immunoreactivity from rat anterior pituitary gland in vitro. Knepel W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Mar; 329(1):94-6

Effect of Ca2+ on the binding characteristics of muscarinic receptors in rat adenohypophysis--variation during the estrous cycle. Moscona-Amir E, et al. **Neuroendocrinology** 1985 Jun;40(6):483-92

Apparent lack of involvement of cAMP as a mediator of LHRH stimulation of nuclear estrogen receptor activity in the rat anterior pituitary. Singh P, et al. **Neuroendocrinology** 1985 May;40(5):430-7

Beta-adrenergic stimulation of adenosine-3',5'-monophosphate (c-AMP) in primary cultures of rat anterior pituitary cell populations separated by unit gravity sedimentation. Relationship to growth hormone and prolactin release and to nonsecreting cells. Swennen L, et al. **Neuroendocrinology** 1985 Jan;40(1):78-83

Beta-adrenergic stimulation of adenosine-3',5'-monophosphate (c-AMP) accumulation and of prolactin and growth hormone secretion in rat anterior pituitary cell cultures. Swennen L, et al. **Neuroendocrinology** 1985 Jan;40(1):72-7

Beta-endorphin processing in pituitary and brain is sensitive to haloperidol stimulation. Ham J, et al. **Neuropeptides** 1985 Feb;5(4-6):497-500

Differential alterations by chronic treatment with morphine of pro-opiomelanocortin mRNA levels in anterior as compared to intermediate pituitary lobes of rats. Höllt V, et al. **Neuropeptides** 1985 Feb;5(4-6):481-4

Localization and characterization of somatostatin-14 and somatostatin-28 receptors in the rat pituitary as studied by slide-mounted frozen sections. Morel G, et al. **Neuropeptides** 1985 Mar;6(1):41-52

Cortisol inhibits the ACTH-releasing activity of urotensin I, CRF and sauvagine observed with superfused goldfish pituitary cells. Fryer J, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):925-30

Leukotriene C4 as a mediator of luteinizing hormone release from rat anterior pituitary cells. Hulting AL, et al. **Proc Natl Acad Sci USA** 1985 Jun;82(11):3834-8

Brain cortex phosphatidylserine inhibits phosphatidylinositol turnover in rat anterior pituitary glands. Bonetti AC, et al. **Proc Soc Exp Biol Med** 1985 Oct;180(1):79-83

Binding studies of substance P anterior pituitary binding sites: changes in substance P binding sites during the rat estrous cycle. Kerdelhué B, et al. **Regul Pept** 1985 Mar; 10(2-3):133-43

Selenium in the anterior pituitary. Thorlacius-Ussing O, et al. **Sci Total Environ** 1985 Mar 15;42(1-2):185-8

Progestin receptors in dispersed rat anterior pituitary cells: enriched binding in lactotrope fractions. Schenborn ET, et al. **Steroids** 1984 Jun;43(6):589-601

[LHRH stimulates the secretion of an 87 K protein by cultured gonadotrophic cells] Hubert JF, et al. **C R Acad Sci [III]** 1985;300(16):613-6 (Eng. Abstr.) **(Fre)**

[The metabolism of testosterone in the central nervous system (1). Analysis of testosterone metabolites in the anterior pituitary and hypothalamus using gas chromatography-mass spectrometry (GC-MS), and subcellular localization of testosterone converting enzyme] Kaburagi Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Nov 20;60(11):1314-27 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[ACTH cell hyperplasia of the adeno- and neurohypophysis and its relation to arterial hypertension] Saeger W, et al. **Pathologe** 1985 May;6(3):141-8 **(Ger)**

[Pituitary hemangiopericytoma] Nikonov AA, et al. **Arkh Patol** 1985;47(2):79-83 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Biochemical transmethylation of lipids and neuropeptidergic stimulation of pituitary hormone secretion. Prasad C, et al. **Brain Res** 1985 May 13;334(1):41-6

Characterization of dopamine and estrogen interaction on primate prolactin secretion with pituitary cells cultured on extracellular matrix and with pituitary stalk-transected monkeys. Bethea CL. **Endocrinology** 1985 Mar; 116(3):863-72

Growth hormone-releasing factor desensitization in rat anterior pituitary cells in vitro. Ceda GP, et al. **Endocrinology** 1985 Apr;116(4):1334-40

Regulation of corticotropin-releasing factor (CRF) receptors in the rat pituitary gland: effects of adrenalectomy on CRF receptors and corticotroph responses. Wynn PC, et al. **Endocrinology** 1985 Apr;116(4):1653-9

Rapid sequential intravenous administration of four hypothalamic releasing hormones as a combined anterior pituitary function test in normal subjects. Sheldon WR Jr, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):623-30

Neuroendocrine regulation of luteinizing hormone and follicle stimulating hormone: a review. Chappel SC. **Life Sci** 1985 Jan 14;36(2):97-103 (87 ref.)

The influence of blinding, olfactory bulbectomy and pinealectomy on plasma and anterior pituitary prolactin levels and on uterine and anterior pituitary weights in normal and neonatally androgenized rats. Gala RR, et al. **Life Sci** 1985 Apr 29;36(17):1617-24

Does beta-endorphin modulate basal and dopamine-inhibited prolactin release by an action at the anterior pituitary? Cheung CY. **Neuroendocrinology** 1984 Dec;39(6):489-95

Differential regulation of corticotropin-releasing factor receptors in anterior and intermediate lobes of pituitary and in brain following adrenalectomy in rats. De Souza EB, et al. **Neurosci Lett** 1985 May 14;56(2):121-8

Pharmacological and ionic features of gamma-aminobutyric acid receptors influencing electrical properties of melanotrophs isolated from the rat pars intermedia. Taraskevich PS, et al. **Neuroscience** 1985 Jan;14(1):301-8

Effects of chlordecone administration on brain and pituitary peptide systems. Hong JS, et al. **Neurotoxicology (Little Rock Ar)** 1985 Spring;6(1):167-82

Dopamine blockade reverses the inhibition of prolactin which results from intrahypothalamic pituitary grafts. Averill RL. **Proc Soc Exp Biol Med** 1985 Apr;178(4):635-42

Hepatic encephalopathy and the neural regulation of hypothalamic pituitary function. Van Thiel DH, et al. **Semin Liver Dis** 1985 Feb;5(1):70-83

An in vitro model for studies of intercellular communication in cultured rat anterior pituitary cells. Wilfinger WW, et al. **Tissue Cell** 1984;16(4):483-97

[Stimulatory control by oxytocin (or an analog peptide) of the pituitary intermediate lobe in rabbits. Inhibitory role of serotonin] Schimchowitsch S, et al. **C R Acad Sci [III]** 1985;300(7):283-6 (Eng. Abstr.) **(Fre)**

[A possible function of melanocyte-stimulating hormone in mammals] Celis ME, et al. **Medicina (B Aires)** 1983;43(6 Pt 2):879-91 **(Spa)**

PHYSIOPATHOLOGY

Effects of long-term lithium treatment on prolactin regulation. Grof E, et al. **Adv Biochem Psychopharmacol** 1985;40:81-7

Functional evaluation of the adenohypophysis with metoclopramide in hyperprolactinemic-amenorrheic women in relation to radiological findings on the sella turcica. Seki K, et al. **Endocrinol Jpn** 1984 Dec;31(6):733-9

Diabetes insipidus in children. III. Anterior pituitary dysfunction in idiopathic types. Czernichow P, et al. **J Pediatr** 1985 Jan;106(1):41-4

Effect of amitriptyline on the thyrotropin response to thyrotropin-releasing hormone in endogenous depression. Krog-Meyer I, et al. **Psychiatry Res** 1985 Jun;15(2):145-51

Changes in dopamine receptor sensitivity in humans after heavy alcohol intake. Balldin J, et al. **Psychopharmacology (Berlin)** 1985;86(1-2):142-6

[Anterior pituitary dopamine receptor function in Shy-Drager syndrome] Konagaya Y, et al. **Rinsho Shinkeigaku** 1984 Sep;24(9):920-4 (Eng. Abstr.) **(Jpn)**

[Endocrine changes in women with galactorrhea] Sadykova MSh, et al. **Akush Ginekol (Mosk)** 1985 Feb;(2):22-5 (Eng. Abstr.) **(Rus)**

[Gonadotropic function of the pituitary gland in young males with hypothalamic pubertal syndrome] Balabolkin MI, et al. **Klin Med (Mosk)** 1984 Aug;62(8):101-5 (Eng. Abstr.) **(Rus)**

[Synthesis and secretion of prolactin and growth hormone in rats with protein-calorie malnutrition and effect of administration of cortisol] Arce JA, et al. **Probl Endokrinol (Mosk)** 1985 Jan-Feb;31(1):55-7 (Eng. Abstr.) **(Rus)**

[Functional state of the pituitary-ovarian system in women with a history of habitual abortion] Baituraeva TK, et al. **Probl Endokrinol (Mosk)** 1984 Nov-Dec;30(6):25-7 (Eng. Abstr.) **(Rus)**

[The pituitary-thyroid system in patients with duodenal ulcer] Lukashova IV, et al. **Sov Med** 1984;(8):11-4 (Eng. Abstr.) **(Rus)**

[Pituitary-thyroid-parathyroid function during treatment of patients with thyroid cancer after thyroidectomy] Telish VM, et al. **Ter Arkh** 1984;56(11):117-9 **(Rus)**

[Adenohypophyseal and gonadal functions in acne vulgaris patients] Maiatskaia TV. **Vestn Dermatol Venerol** 1985 Jan;(1):20-3 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effect of growth hormone-releasing factor on growth hormone release in children with radiation-induced growth hormone deficiency. Lustig RH, et al. **Pediatrics** 1985 Aug;76(2):274-9

SECRETION

Age-related changes in prolactin and growth hormone release from pituitary glands in vitro. Hall TR, et al. **Acta Endocrinol (Copenh)** 1985 Apr;108(4):479-84

Studies on the glucocorticoid-receptor blocking action of RU 38486 in cultured ACTH-secreting human pituitary tumour cells and normal rat pituitary cells. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):64-9

The effect of nifedipine on CRF-41 and AVP-induced ACTH release in vitro. Murakami K, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):32-6

Effect of angiotensin II, catecholamines and glucocorticoid on corticotropin releasing factor (CRF)-induced ACTH release in pituitary cell cultures. Murakami K, et al. **Acta Med Okayama** 1984 Aug;38(4):349-55

Tolerance to prolactin secretion in the long-term treatment with neuroleptics in schizophrenia. Igarashi Y, et al. **Adv Biochem Psychopharmacol** 1985;40:95-8

Differential effects of ethanol on luteinizing hormone, follicle stimulating hormone and prolactin secretion in the female rat. Dees WL, et al. **Alcohol** 1984 Nov-Dec;1(6):429-33

Regulation versus modulation in GnRH receptor function. Zolman JC, et al. **Am J Med Sci** 1985 Mar;289(3):91-7

Decreased in vitro secretion of LH, FSH, and free alpha-subunits by pituitary cells from old male rats. Blackman MR, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):E145-51

Calcium channel agonist BAY k8644 enhances anterior pituitary secretion in rat and monkey. Cronin MJ, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E326-9

Arachidonic acid and its metabolites: intracellular regulators of prolactin release in vitro. Canonico PL, et al. **Ann Ist Super Sanita** 1984;20(1):113-7

Direct suppressive effect of prostaglandin D2 on growth hormone secretion from rat anterior pituitary. Arisawa M, et al **Asia Oceania J Obstet Gynaecol** 1984 Dec;10(4):541-5

A new in vitro assay system for prolactin-releasing activity and its application for demonstration of porcine hypothalamic prolactin-releasing factor (PRF). Nomura M, et al. **Asia Oceania J Obstet Gynaecol** 1985 Jun;11(2):271-8

Administration of human pancreatic growth hormone-releasing factor (GRF) analogs enhances responsiveness of cultured rat pituitary cells to GRF. Heiman ML, et al. **Biochem Biophys Res Commun** 1984 Oct 15;124(1):217-22

Phorbol esters as probes of the regulation of thyrotropin secretion. Koenig RJ, et al. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):353-9

Prolactin response to sulpiride in non insulin dependent diabetes mellitus. Verrillo A, et al. **Boll Soc Ital Biol Sper** 1985 Feb 28;61(2):183-8

Two distinct corticotrophin releasing activities of vasopressin. Buckingham JC. **Br J Pharmacol** 1985 Jan;84(1):213-9

Anterior pituitary prolactin release in vitro after interruption of anterolateral neural connections of the mediobasal hypothalamus in male rats. Kaler LW, et al. **Brain Res** 1984 Oct 8;311(2):370-4

A temporal study of post-adrenalectomy increase in ACTH secretion in the rat: effect of various hypothalamic deafferentations. Weidenfeld J, et al. **Brain Res** 1984 Nov 26;322(2):329-31

Effects of neonatal monosodium glutamate (MSG) treatment on the hormonal and central monoaminergic dynamics associated with acute ether stress in the male rat. Johnston CA, et al. **Brain Res Bull** 1984 Nov;13(5):643-9

Effects of carbamazepine on prolactin secretion in normal subjects and in epileptic subjects. Bonuccelli U, et al. **Clin Neuropharmacol** 1985;8(2):165-74

The effects of growth hormone (GH)-releasing peptides on GH secretion in perifused pituitary cells of adult male rats. Badger TM, et al. **Endocrinology** 1984 Oct;115(4):1432-8

Chronic exposure of cultured rat anterior pituitary cells to GRF causes partial loss of responsiveness to GRF. Bilezikjian LM, et al. **Endocrinology** 1984 Nov;115(5):2032-4

Monosodium glutamate and pituitary gland luteinizing hormone (LH) release in response to LH-releasing hormone: an in vitro study. Dada MO, et al. **Endocrinology** 1985 Jan;116(1):246-51

Stimulation of the adenosine 3',5'-monophosphate and the Ca2+ messenger systems together reverse dopaminergic inhibition of prolactin release. Delbeke D, et al. **Endocrinology** 1985 Aug;117(2):439-46

Alpha 1-adrenoreceptors and alpha 1-adrenoreceptor-mediated thyrotropin release in cultures of euthyroid and hypothyroid rat anterior pituitary cells. Dieguez C, et al. **Endocrinology** 1985 Aug;117(2):624-30

The effects of thyroid hormone deprivation in vivo and in vitro on growth hormone (GH) responses to human pancreatic (tumor) GH-releasing factor (1-40) by dispersed rat anterior pituitary cells. Dieguez C, et al. **Endocrinology** 1985 Mar;116(3):1066-70

Effects of rat growth hormone (rGH)-releasing factor and somatostatin on the release and synthesis of rGH in dispersed pituitary cells. Fukata J, et al. **Endocrinology** 1985 Aug;117(2):457-67

An extremely sensitive in vitro model for elucidating structure-activity relationships of growth hormone-releasing factor analogs. Heiman ML, et al. **Endocrinology** 1985 Jan;116(1):410-5

Direct pituitary effects of testosterone and luteinizing hormone-releasing hormone upon follicle-stimulating hormone: analysis by radioimmuno- and radioreceptor assay. Kennedy J, et al. **Endocrinology** 1985 Feb;116(2):741-8

Corelease of dynorphin-like immunoreactivity, luteinizing hormone, and follicle-stimulating hormone from rat adenohypophysis in vitro. Knepel W, et al. **Endocrinology** 1985 Aug;117(2):481-7

5-Hydroxyeicosatetraenoic acid increases prolactin release from rat anterior pituitary cells. Koike K, et al. **Endocrinology** 1985 May;116(5):1813-7

Inhibition of luteinizing hormone (LH)-releasing hormone-induced secretion of LH in rat anterior pituitary cell culture by testosterone without conversion to 5 alpha-dihydrotestosterone. Liang T, et al. **Endocrinology** 1984 Dec;115(6):2311-7

Dynamic characteristics of luteinizing hormone release from perifused sheep anterior pituitary cells stimulated by combined pulsatile and continuous gonadotropin-releasing hormone. McIntosh RP, et al. **Endocrinology** 1985 Jul;117(1):169-79

Evidence that a benzodiazepine receptor mechanism regulates the secretion of pituitary beta-endorphin in rats. Maiewski SF, et al. **Endocrinology** 1985 Aug;117(2):474-80

1,2-Didecanoylglycerol and phorbol 12,13-dibutyrate enhance anterior pituitary hormone secretion in vitro. Negro-Vilar A, et al. **Endocrinology** 1985 Oct;117(4):1559-64

Release of luteinizing hormone and follicle-stimulating hormone from pituitaries of lactating rats by gonadotropin-releasing hormone and high potassium concentration. Smith MS. **Endocrinology** 1985 May;116(5):1826-34

Pulsatile release of growth hormone and prolactin from the primate pituitary in vitro. Stewart JK, et al. **Endocrinology** 1985 Jan;116(1):1-5

Corticotropin-releasing factor stimulation of adrenocorticotropin and beta-endorphin release: effects of acute and chronic stress. Young EA, et al. **Endocrinology** 1985 Jul;117(1):23-30

Apomorphine selectively stimulates opiocortin hormone release from the pars distalis in rats. Farah JM Jr, et al. **Eur J Pharmacol** 1985 Jan 8;107(3):385-8

Leukotriene C4 stimulates LH secretion from rat pituitary cells in vitro. Hulting AL, et al. **Eur J Pharmacol** 1984 Nov 13;106(2):459-60

Inhibition by antiserum to vasoactive intestinal polypeptide (VIP) of prolactin secretion induced by serotonin in the rat. Ohta H, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):409-12

Agents that increase cellular cyclic AMP or calcium stimulate prolactin release from the 235-1 pituitary cell line. Schettini G, et al. **Eur J Pharmacol** 1985 Mar 12;109(3):335-40

Phorbol esters affect pituitary growth hormone (GH) and prolactin release: the interaction with GH releasing factor, somatostatin and bromocriptine. Summers ST, et al. **Eur J Pharmacol** 1985 May 20;111(3):371-6

Quinolinic acid stimulates luteinizing hormone secretion through a serotonin-dependent mechanism. Johnson MD, et al. **Exp Brain Res** 1985;59(1):62-7

Quinolinic acid stimulates luteinizing hormone secretion in female rats: evidence for involvement of N-methyl-D-aspartate-preferring receptors. Johnson MD, et al. **Exp Brain Res** 1985;59(1):57-61

Hypophyseotropic regulation of adenohypophyseal adrenocorticotropin secretion. Plotsky PM. **Fed Proc** 1985 Jan;44(1 Pt 2):207-13

Neurotransmitter effects on in vitro prolactin and growth hormone release from fowl pituitary glands: dopamine and noradrenaline. Hall TR, et al. **Gen Pharmacol** 1984;15(4):321-5

In vivo supersensitivity of the anterior pituitary of old female rats to dopaminergic inhibition of prolactin secretion. Cocchi D, et al. **Gerontology** 1984;30(6):345-9

Retardation in gonadotropin-secreting function of the pituitary during the early puerperium in women with postpartum hemorrhage but without circulatory collapse. Morishita H, et al. **Gynecol Obstet Invest** 1985;19(1):11-6

In vivo and in vitro effects of cholecystokinin octapeptide on the release of prolactin in rats. Matsumura M, et al. **Horm Metab Res** 1985 Jun;17(6):293-7

Mechanism of the inhibitory action of dopamine and somatostatin on prolactin secretion from human lactotrophs in culture. Ishibashi M, et al. **J Clin Endocrinol Metab** 1985 Mar;60(3):599-606

Pituitary and testicular responses in sexually mature bulls after intravenous injections of graded doses of LH-releasing hormone. D'Occhio MJ, et al. **J Endocrinol** 1984 Dec;103(3):371-6

Mechanisms of release of prolactin from fowl anterior pituitary glands incubated in vitro: effects of calcium and cyclic adenosine monophosphate. Hall TR, et al. **J Endocrinol** 1985 May;105(2):183-8

Dopaminergic inhibition of prolactin release from pituitary glands of the domestic fowl incubated in vitro. Hall TR, et al. **J Endocrinol** 1984 Oct;103(1):63-9

Corticotropin-releasing factor desensitization of adrenocorticotropic hormone release is augmented by arginine vasopressin. Hoffman AR, et al. **J Neurosci** 1985 Jan;5(1):234-42

Cellular mechanisms regulating adrenocorticotropin release. Reisine TD. **J Recept Res** 1984;4(1-6):291-300

Release of LHRH in vitro and anterior pituitary responsiveness to LHRH in vivo during sexual maturation in pullets (Gallus domesticus). Knight PG, et al. **J Reprod Fertil** 1985 May;74(1):145-51

Effects of withholding food for 0-72 h on mating, pregnancy rate and pituitary function in female rats. McClure TJ, et al. **J Reprod Fertil** 1985 May;74(1):57-64

The effect of ethanol on prolactin secretion in vitro. Seilicovich A, et al. **Life Sci** 1984 Nov 5;35(19):1931-5

Role of the prostate in the regulation of pituitary secretion of follicle stimulating hormone. Sheth AR, et al. **Med Hypotheses** 1984 Oct;15(2):141-8

Minimal quantities of FSH beta subunit are released by rat anterior pituitary cells in primary culture. Grotjan HE Jr, et al. **Mol Cell Endocrinol** 1985 Jul;41(2-3):205-9

Calcium mobilization potentiates prolactin release induced by protein kinase C activators. Koike K, et al. **Mol Cell Endocrinol** 1985 May;40(2-3):137-43

Acute effect of triiodothyronine on the dynamics of thyrotropin release from superfused anterior pituitary cells. Shiota K, et al. **Mol Cell Endocrinol** 1985 Jun;41(1):79-84

Keoxifene shows pure antiestrogenic activity in pituitary gonadotrophs. Simard J, et al. **Mol Cell Endocrinol** 1985 Feb;39(2):141-4

Antiserum to LH-RH blocks haloperidol-induced hyperprolactinemia in female rats. Debeljuk L, et al. **Neuroendocrinology** 1985 Feb;40(2):185-7

Stimulation of growth hormone release by vasoactive intestinal peptide and peptide PHI in rat anterior pituitary reaggregates. Permissive action of a glucocorticoid and inhibition by thyrotropin-releasing hormone. Denef C, et al. **Neuroendocrinology** 1985 Jan;40(1):88-91

Oxytocin attenuates TRH-induced TSH release from rat pituitary cells. Frawley LS, et al. **Neuroendocrinology** 1985 Mar;40(3):201-4

Somatostatin release from the median eminence of unanesthetized rats: lack of correlation with pharmacologically suppressed growth hormone secretion. Fukata J, et al. **Neuroendocrinology** 1985 Mar;40(3):193-200

Differential suppression of follicle-stimulating hormone and luteinizing hormone secretion in vivo by a gonadotropin-releasing hormone antagonist. Grady RR, et al. **Neuroendocrinology** 1985 Mar;40(3):246-52

Comparative stimulation of growth hormone secretion in anaesthetized chickens by human pancreatic growth hormone-releasing factor (hpGRF) and thyrotrophin-releasing hormone (TRH). Harvey S, et al. **Neuroendocrinology** 1984 Oct;39(4):314-20

Comparison of the ability of thyroxine and triiodothyronine to suppress TRH-induced TSH secretion by perfused rat anterior pituitary fragments. Ikeda H, et al. **Neuroendocrinology** 1985 Jul;41(1):79-82

Catecholamine involvement in preovulatory LH release: reassessment of the role of epinephrine. Kalra SP. **Neuroendocrinology** 1985 Feb;40(2):139-44

Effect of the serotoninergic system on luteinizing hormone secretion in prepubertal female rats. Moguilevsky JA, et al. **Neuroendocrinology** 1985 Feb;40(2):135-8

Calmodulin inhibitors decrease the CRF-and AVP-induced ACTH release in vitro: interaction of calcium-calmodulin and the cyclic AMP system. Murakami K, et al. **Neuroendocrinology** 1985 Jul;41(1):7-12

TRH stimulation of in vivo GH release in the domestic fowl. Influence of TRH metabolites and effect of age on in vitro degradation of TRH. Scanes CG, et al. **Neuroendocrinology** 1985 Jan;40(1):33-8

Facilitation of vasopressin release from the neurohypophysis by application of electrical stimuli in bursts. Relevant stimulation parameters. Shaw FD, et al. **Neuroendocrinology** 1984 Oct;39(4):371-6

Stimulatory or inhibitory effects of angiotensin II upon LH secretion in ovariectomized rats: a function of gonadal steroids. Steele MK, et al. **Neuroendocrinology** 1985 Mar;40(3):210-6

Relation of gonadal hormones to differential LH response to naloxone in prepubertal male and female rats. Sylvester PW, et al. **Neuroendocrinology** 1985 Feb;40(2):165-70

Beta-endorphin and adrenocorticotropin release from rat adenohypophysis in vitro: evidence for local modulation by arachidonic acid metabolites of the cyclooxygenase and lipoxygenase pathway. Vlaskovska M, et al. **Neuroendocrinology** 1984 Oct;39(4):334-42

Effects of progesterone on the pituitary responsiveness to, and priming effect of luteinizing hormone releasing hormone in female rats exposed to constant light. Watts AG, et al. **Neuroendocrinology** 1985 Feb;40(2):152-9

Changes in releasability of ACTH and beta-endorphin with chronic stress. Young E, et al. **Neuropeptides** 1985 Feb;

5(4–6):545–8

Relative effectiveness of naloxone and MR2266 in potentiating oestrogen-stimulated luteinizing hormone surges in ovariectomized female rats. Dyer RG, et al. **Neurosci Lett** 1984 Aug 24;49(1–2):111–5

Effects of veratridine, tetrodotoxin and other drugs that alter electrical behaviour on secretion of melanocyte-stimulating hormone from melanotrophs of the pituitary pars intermedia. Tomiko SA, et al. **Neuroscience** 1984 Aug; 12(4):1223–8

Recent studies on the role of brain peptides in control of anterior pituitary hormone secretion. McCann SM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:3–7 (41 ref.)

Pancreatic polypeptides affect luteinizing and growth hormone secretion in rats. McDonald JK, et al. **Peptides (Fayetteville)** 1985 Jan–Feb;6(1):79–84

Interaction between hypothalamic peptides in a superfused pituitary cell system. Vigh S, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:241–7

A nonmitogenic pituitary function of fibroblast growth factor: regulation of thyrotropin and prolactin secretion. Baird A, et al. **Proc Natl Acad Sci USA** 1985 Aug; 82(16):5545–9

Counteraction by naltrexone of stress-induced inhibition of TSH release: role of noradrenergic system. Briski K, et al. **Proc Soc Exp Biol Med** 1984 Nov;177(2):354–9

Comparison of hyposmolar and hyperosmolar effects on in vitro luteinizing hormone secretion by anterior pituitary cells. Greer MA, et al. **Proc Soc Exp Biol Med** 1985 Jan; 178(1):24–8

Long-term superfusion of rat pituitary cells: interaction of 17 beta-estradiol with pulses of gonadotropin-releasing hormone on luteinizing hormone release. Liu TC, et al. **Proc Soc Exp Biol Med** 1984 Nov;177(2):296–302

Lithium effects on neuroendocrine function. Grof E, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(4–6):541–6

Differential effects of picrotoxin- and pentylenetetrazol-induced convulsions on the secretion of luteinizing hormone and follicle-stimulating hormone in rats. Fujii T, et al. **Psychoneuroendocrinology** 1984; 9(4):391–7

Dose-dependent growth hormone, prolactin and cortisol stimulation after i.v. administration of desimipramine in human subjects. Laakmann G, et al. **Psychoneuroendocrinology** 1985;10(1):83–93

Effect of benztropine on the diurnal prolactin responses to haloperidol. Nathan RS, et al. **Psychoneuroendocrinology** 1985;10(1):71–6

Habituation of the prolactin response in rats to psychological stress. Yelvington DB, et al. **Psychoneuroendocrinology** 1985;10(1):95–102

Morphine inhibits cortisol and stimulates prolactin secretion in man. Zis AP, et al. **Psychoneuroendocrinology** 1984; 9(4):423–7

Regulation of adrenocorticotropin release from the anterior pituitary. Reisine T. **Psychopharmacol Bull** 1985; 21(3):438–42

Beta-adrenergic mechanism of insulin-induced adrenocorticotropin release from the anterior pituitary. Mezey E, et al. **Science** 1984 Nov 30;226(4678):1085–7

[LH and FSH secretion in bovine anterior pituitary cell cultures depending on the estrous cycle, in pregnant cows and cows with ovarian cysts] Braun U. **Schweiz Arch Tierheilkd** 1985 Jun;127(6):353–68 (Eng. Abstr.) **(Ger)**

[A study on the prolactin releasing mechanism using an in vitro perfusion system with a cell column of cultured rat anterior pituitary cells] Kageyama J. **Nippon Naibunpi Gakkai Zasshi** 1984 Oct 20;60(10):1243–54 (Eng. Abstr.) **(Jpn)**

[Diurnal rhythm of prolactin secretion in women with primary hypothyroidism] Lazicka-Frelek M, et al. **Endokrynol Pol** 1984;35(4):189–95 (Eng. Abstr.) **(Pol)**

[Effect of metoclopramide on prolactin secretion in patients with primary hypothyroidism] Dorobek W, et al. **Pol Tyg Lek** 1984 Jul 16–23;39(29–30):973–5 (Eng. Abstr.) **(Pol)**

[Neurohormonal regulation of lactation] Kolodina LN, et al. **Akush Ginekol (Mosk)** 1985 May;(5):5–8 (54 ref.) **(Rus)**

[State of the ACTH-adrenal cortex system in the physiological and pathological course of the climacteric] Smetnik VP, et al. **Akush Ginekol (Mosk)** 1984 Aug; (8):56–8 (Eng. Abstr.) **(Rus)**

[The hypophyseo-thyroid system in newborn infants with fetal growth retardation and in their mothers] Katricheva LV, et al. **Pediatriia** 1984 Dec;(12):17–9 (Eng. Abstr.) **(Rus)**

[Somatotropic function of the hypophysis in patients with diabetes mellitus] Kostiuk EP. **Vrach Delo** 1985 Feb; (2):52–5 (Eng. Abstr.) **(Rus)**

[Pre- and postoperative differences in the circadian secretion of prolactin in carcinoma of the human breast] Larrad Jiménez A, et al. **Rev Esp Oncol** 1983;30(2):139–69 (Eng. Abstr.) **(Spa)**

SURGERY

[Successful treatment of diabetic retinopathy by procedures on the hypophysis] Svoboda Z, et al. **Vnitr Lek** 1984 Nov; 30(11):1094–8 (Eng. Abstr.) **(Cze)**

TRANSPLANTATION

Thyroxine 5'-deiodinase activity in anterior pituitary glands transplanted under the renal capsule in the rat. St. Germain DL, et al. **Endocrinology** 1985 Jul;117(1):55–63

ULTRASTRUCTURE

Ultrastructure of the cell types of the anterior hypophysis in a lizard v. caudal gonadotrophs, melanotrophs, and other caudal cells; true follicles, syncytial areas, and possible evolution of the cell types. Del Conte E. **Acta Cient Venez** 1984;35(2):116–26

Ultrastructure of Crooke's cells with special reference to their secretory granules. Uei Y, et al. **Acta Pathol Jpn** 1984 Sep; 34(5):971–8

A quantitative electron microscopic study on the frequency of exocytosis in the anterior pituitary of perinatal rats. Watanabe YG. **Anat Embryol (Berl)** 1984;170(3):223–8

Subcellular responses in frog pituitary gonadotrophic cells to constant environmental conditions: a morphometric study. Gracia-Navarro F, et al. **Biol Cell** 1984;51(1):87–95

Glial fibrillary acidic protein-positive cells in human anterior pituitary--immunohistochemical and ultrastructural study. Funata N. **Bull Tokyo Med Dent Univ** 1985 Mar;32(1):9–18

Fine structural and immunohistochemical studies of goat adenohypophysial cells. Shirasawa N, et al. **Cell Tissue Res** 1985;240(2):315–21

Internalization and cellular processing of somatostatin in primary culture of rat anterior pituitary cells. Draznin B, et al. **Endocrinology** 1985 Sep;117(3):960–6

Specific binding of estrogen and estrogen-receptor complex by microsomes from estrogen-responsive tissues of the rat. Watson GH, et al. **Endocrinology** 1985 Oct;117(4):1341–9

In cow anterior pituitary, growth hormone and prolactin can be packed in separate granules of the same cell. Fumagalli G, et al. **J Cell Biol** 1985 Jun;100(6):2019–24

Cytochemical staining of the endoplasmic reticulum and glycogen in mouse anterior pituitary cells. Cataldo AM, et al. **J Histochem Cytochem** 1984 Dec;32(12):1285–94

The ultrastructural features of secretory cells of some endocrine glands in aging. Shaposhnikov VM. **Mech Ageing Dev** 1985 May 13;30(2):123–42

Dopamine-induced physical barrier to inhibit prolactin release in mammotrophs disappears during resumption of prolactin secretion. Reifel CW, et al. **Neuroendocrinology** 1985 May;40(5):438–43

Clathrin-immunoreactive sites in the Golgi apparatus are concentrated at the trans pole in polypeptide hormone-secreting cells. Orci L, et al. **Proc Natl Acad Sci USA** 1985 Aug;82(16):5385–9

[Ultracytochemical study of adenylate cyclase localization in the adenohypophysis of rats] Vostrikov VM. **Tsitologiia** 1985 Feb;27(2):153–6 (Eng. Abstr.) **(Rus)**

PITUITARY GLAND, POSTERIOR

ANALYSIS

Application of the dual-cell coulometric detector: a method for assaying monoamines and their metabolites. Achilli G, et al. **Anal Biochem** 1985 Jul;148(1):1–9

Isolation and characterization of the 1 to 49 amino-terminal sequence of pro-opiomelanocortin from bovine posterior pituitaries. Bennett HP. **Biochem Biophys Res Commun** 1984 Nov 30;125(1):229–36

Neurohypophyseal hormones as evolutionary tracers: identification of oxytocin, lysine vasopressin, and arginine vasopressin in two South American opossums (Didelphis marsupialis and Philander opossum). Chauvet J, et al. **Gen Comp Endocrinol** 1985 Feb;57(2):320–8

Identification of N alpha-acetyl-alpha-endorphin and N alpha-acetyl-gamma-endorphin isolated from the neurointermediate lobe of the rat pituitary gland. Burbach JP, et al. **J Biol Chem** 1985 Jun 10;260(11):6663–9

Use of reversed-phase and ion-exchange batch extraction in the purification of bovine pituitary peptides. James S, et al. **J Chromatogr** 1985 Jun 19;326:329–38

The hypothalamic and neurohypophysial oxytocin content as influenced by desmethylimipramine in normal and pinealectomized white male rats. Guzek JW, et al. **J Neural Transm** 1985;62(1–2):125–36

Neurophysin in the hypothalamo-neurohypophysial system. I. Production and characterization of monoclonal antibodies. Ben-Barak Y, et al. **J Neurosci** 1985 Jan; 5(1):81–97

Methionine and leucine enkephalin in rat neurohypophysis: different responses to osmotic stimuli and T2 toxin. Zamir N, et al. **Science** 1985 May 3;228(4699):606–8

CYTOLOGY

The hypothalamo-hypophysial system of the wild carp, Cyprinus carpio L. I. Structure and ultrastructure of the posterior neurohypophysis. Polenov AL, et al. **Cell Tissue Res** 1984;237(1):139–47

Glial fibrillary acidic protein and differentiation of neonatal rat pituicytes in vitro. Weinrauder H, et al. **Cell Tissue Res** 1984;238(1):191–5

An immunohistochemical study of seasonal changes in luteinizing hormone-releasing hormone and vasotocin in the forebrain and the neurohypophysis of the toad, Bufo japonicus. Jokura Y, et al. **Gen Comp Endocrinol** 1985 Aug; 59(2):238–45

Ontogenetic development of the pro-enkephalin B (= pro-dynorphin) opioid peptide system in the rat pituitary. Seizinger BR, et al. **Neuroendocrinology** 1984 Nov; 39(5):414–22

Immunofluorescent demonstration of glial fibrillary acidic protein (GFAP) in hypophyseal neural lobe in vitro. Weinrauder H, et al. **Neuropatol Pol** 1984;22(3):335–45

DRUG EFFECTS

Effect of chronic reserpine and desmethylimipramine treatment on CRF-like immunoreactivity of discrete brain areas of rat. Tizabi Y, et al. **Brain Res** 1985 Jun 3; 335(2):389–91

Reserpine inhibits release of vasopressin from the neural lobe of the pituitary in dehydrated rats. Alonso G, et al. **Cell Tissue Res** 1985;240(2):375–80

Involvement of eicosanoids in release of oxytocin and vasopressin from the neural lobe of the rat pituitary. Negro-Vilar A, et al. **Endocrinology** 1985 Jun; 116(6):2663–8

Inhibition of pituitary adenylate cyclase by atrial natriuretic factor. Anand-Srivastava MB, et al. **Life Sci** 1985 May 13;36(19):1873–9

Modulation by leu-enkephalin of peptide release from perifused neurointermediate pituitary. I. Selective effect on potassium-, veratridine- and isoproterenol-stimulated secretion of vasopressin. Al Zein M, et al. **Neuroendocrinology** 1984 Nov;39(5):392–6

Tuberohypophyseal and tuberoinfundibular dopamine systems exhibit differential sensitivity to neonatal monosodium glutamate treatment. Dawson R Jr, et al. **Pharmacology** 1985;31(1):17–23

Synthetic atrial natriuretic factor induces release (possibly receptor-mediated) of vasopressin from rat posterior pituitary. Januszewicz P, et al. **Proc Soc Exp Biol Med** 1985 Feb;178(2):321–5

[Antidiuretic hormone content in the neurohypophysis of adult white rats after hydrocortisone administration in the early postnatal period] Khegaĭ II, et al. **Biull Eksp Biol Med** 1984 Sep;98(9):266–8 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Ontogeny of the bovine neurohypophyseal hormone precursors. Foetal neurohormones and neurophysins. Chauvet MT, et al. **Int J Pept Protein Res** 1984 Jul; 24(1):66–73

Neurophysin in the hypothalamo-neurohypophysial system. II. Immunocytochemical studies of the ontogeny of oxytocinergic and vasopressinergic neurons. Whitnall MH, et al. **J Neurosci** 1985 Jan;5(1):98–109

ENZYMOLOGY

Ultracytochemical localization of Ca++-ATPase activity in pituicytes of the neurohypophysis of the guinea pig. Bambauer HJ, et al. **Cell Tissue Res** 1984;237(3):491–7

Pituitary enzyme conversion of putative synthetic oxytocin precursor intermediates. Kanmera T, et al. **J Biol Chem** 1985 Aug 25;260(18):10118–24

IMMUNOLOGY

Phylogenetic cross-reactivities of monoclonal antibodies produced against rat neurophysin. Ben-Barak Y, et al. **Cell Mol Neurobiol** 1984 Dec;4(4):339–49

INNERVATION

Intragranular colocalization of immunoreactive methionine-enkephalin and oxytocin within the nerve terminals in the posterior pituitary. Adachi T, et al. **J Histochem Cytochem** 1985 Sep;33(9):891–9

Subfornical organ efferents influence the excitability of neurohypophyseal and tuberoinfundibular paraventricular nucleus neurons in the rat. Ferguson AV, et al. **Neuroendocrinology** 1984 Nov;39(5):423–8

Central and peripheral catecholamine innervation of the rat intermediate and posterior pituitary lobes. Saavedra JM. **Neuroendocrinology** 1985 Apr;40(4):281–4

METABOLISM

Ascorbic acid uptake to isolated nerve terminals and secretory granules from ox neurohypophyses. Thorn NA, et al. **Acta Physiol Scand** 1985 May;124(1):87–92

Identification of plasminogen activator releasing activity in the neurohypophysis. Colucci M, et al. **Br J Haematol** 1984 Oct;58(2):337–46

Estradiol increases dopamine turnover in intermediate and posterior pituitary lobes of ovariectomized rats. Saavedra JM, et al. **Cell Mol Neurobiol** 1984 Dec;4(4):397–402

The origin and ultrastructural characteristics of corticotropin-releasing factor (CRF)-immunoreactive nerve fibers in the posterior pituitary of the rat. Lengvári I, et al. **Cell Tissue Res** 1985;240(2):467–71

Autoradiographic demonstration of alpha 2 adrenoceptors in the bovine neurohypophysis. Morris B, et al. **Cell Tissue Res** 1984;237(2):387–9

Quantitative assessment of GABA-uptake sites in the neural lobe by electron-microscopic autoradiography. Reisert I, et al. **Cell Tissue Res** 1985;241(3):581–4

Role of angiotensin II(AII) receptors in discrete rat brain areas and posterior pituitary. Saavedra JM, et al.

Clin Exp Hypertens [A] 1984;6(10-11):2107-11

Vasoactive intestinal peptide (VIP) stimulates oxytocin and vasopressin release from the neurohypophyis. Ottesen B, et al. **Endocrinology** 1984 Oct;115(4):1648-50

On the origin of Leu-enkephalin and Met-enkephalin in the rat neurohypophysis. Zamir N. **Endocrinology** 1985 Oct; 117(4):1687-92

The hypothalamic and neurohypophysial oxytocic activities in stressed rats: independence from beta-adrenergic blockade. Guzek JW, et al. **Exp Clin Endocrinol** 1984 Dec; 84(3):331-7

Use of three specific radioimmunoassays in measuring neurohypophysial hormone content and plasma concentrations of vasopressin, oxytocin and DDAVP in rats after prolonged infusion of DDAVP. Lundin S, et al. **Experientia** 1985 Jul 15;41(7):933-5

Post-translational incorporation of [35S]sulfate into oligosaccharide side chains of pro-opiomelanocortin in rat intermediate lobe cells. Bourbonnais Y, et al. **J Biol Chem** 1985 May 10;260(9):5832-7

Electron transfer across posterior pituitary neurosecretory vesicle membranes. Russell JT, et al. **J Biol Chem** 1985 Jan 10;260(1):226-31

High-performance liquid chromatography and studies of neurophysin-neurohypophysial hormone pathways. Chaiken IM, et al. **J Chromatogr** 1984 Dec 7;336(1):63-71

Simultaneous identification of two different neuropeptides using a combined PAP and protein A-gold technique in the rat neurohypophysis. Shioda S, et al. **J Electron Microsc (Tokyo)** 1984;33(1):72-5

Conversion and release of an intermediate in vasopressin-neurophysin biosynthesis in the guinea-pig. Jones PM, et al. **J Endocrinol** 1984 Dec;103(3):347-54

Streptozotocin-induced diabetes is associated with reduced immunoreactive beta-endorphin concentrations in neurointermediate pituitary lobe and with disrupted circadian periodicity of plasma corticosterone levels. Gibson MJ, et al. **Neuroendocrinology** 1985 Jul;41(1):64-71

Vasopressin release from individually superfused neurohypophyses decreases in aged rats. Zbuzek V, et al. **Neuroendocrinology** 1984 Dec;39(6):538-48

Dynorphinergic pathways of Leu-enkephalin production in the rat brain. Zamir N, et al. **Neuropeptides** 1985 Feb; 5(4-6):441-4

Binding of [3H]clonidine to membranes from cow neurohypophysis and cerebral cortex of the rat. Morris B, et al. **Neuropharmacology** 1984 Nov;23(11):1279-83

Evidence for exocytotic release of dopamine beta-hydroxylase from rabbit heart and of vasopressin from rat neurohypophyses during homogenization and fractionation. Effects of gadolinium ions, cytochalasin B, gallopamil and different temperatures. Muscholl E, et al. **Neuroscience** 1985 Jan;14(1):79-93

PATHOLOGY

The effect of manganese on the ultrastructure of pituicytes in vitro. Zareba-Kowalska A, et al. **Neuropatol Pol** 1984; 22(2):281-91

[ACTH cell hyperplasia of the adeno- and neurohypophysis and its relation to arterial hypertension] Saeger W, et al. **Pathologe** 1985 May;6(3):141-8 **(Ger)**

PHYSIOLOGY

Control of ACTH and vasopressin in neurohypophysectomized conscious dogs. Raff H, et al. **Am J Physiol** 1985 Aug;249(2 Pt 2):R281-4

The role of adrenal medulla and neurohypophysis in the central and peripheral cardiovascular effects of neurohypophysial peptides. Montastruc JL, et al. **Arch Int Pharmacodyn Ther** 1984 Aug;270(2):299-308

Effects of pulsatile infusion of luteinizing hormone-releasing hormone on luteinizing hormone secretion and ovarian function in hypophysial stalk-transected beef heifers. Awotwi EK, et al. **Biol Reprod** 1984 Dec;31(5):989-99

Epidermal tissue homeostasis. II. Cell pool size, cell birth rate and cell loss in toads deprived of the pars distalis of the pituitary gland. Budtz PE. **Cell Tissue Kinet** 1985 Sep; 18(5):533-42

Neurological control of vasopressin release. Sladek JR Jr, et al. **Fed Proc** 1985 Jan;44(1 Pt 1):66-71 (66 ref.)

Active calcium responses recorded optically from nerve terminals of the frog neurohypophysis. Obaid AL, et al. **J Gen Physiol** 1985 Apr;85(4):481-9

ACTH and corticosterone secretion in rats following removal of the neurointermediate lobe of the pituitary gland. Fagin KD, et al. **Neuroendocrinology** 1985 Apr;40(4):352-62

Hormone content and movement of neurosecretory granules in the rat neural lobe during and after dehydration. Nordmann JJ. **Neuroendocrinology** 1985 Jan;40(1):25-32

Dynamic neuronal-glial interactions in hypothalamus and pituitary: implications for control of hormone synthesis and release. Hatton GI, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:121-38 (76 ref.)

In vitro and in vivo studies on development and regeneration of vasopressin neurons. Scharoun SL, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:157-67

International workshop of UOEH on environmental influences on water balance: basic physiology of neurohypophysial control. September 12, 1984, University of Occupational and Environmental Health, Japan. Abstracts. **Sangyo Ika Daigaku Zasshi** 1985 Mar 1; 7(1):95-112

PHYSIOPATHOLOGY

Sexual dimorphism in the posterior pituitary response to stress in the rat. Williams TD, et al. **Endocrinology** 1985 Feb;116(2):738-40

Release of human neurophysin I during insulin-induced hypoglycemia in depressed patients is abolished after recovery with clomipramine treatment. Geenen V, et al. **Psychoneuroendocrinology** 1985;10(1):61-9

[Endocrine function abnormalities in two cases of Wolfram syndrome] Yukimura Y, et al. **Nippon Naika Gakkai Zasshi** 1985 Jan;74(1):31-5 **(Jpn)**

RADIOGRAPHY

[Be careful with posterior pituitary gland (letter)] Bonneville JF, et al. **Presse Med** 1985 Jan 12;14(1):49 **(Fre)**

SECRETION

Forskolin: its effects on potassium-evoked release of vasopressin from the rat neurohypophysis. Bowman D, et al. **Br J Pharmacol** 1985 May;85(1):197-203

Vasopressin release to central and peripheral angiotensin II in rats with lesions of the subfornical organ. Iovino M, et al. **Brain Res** 1984 Nov 26;322(2):365-8

Caudal ventrolateral medulla can alter vasopressin and arterial pressure. Sved AF, et al. **Brain Res Bull** 1985 Mar; 14(3):227-32

Influence of endogenous and exogenous oestrogens on posterior pituitary secretion in women. Williams TD, et al. **Clin Endocrinol (Oxf)** 1985 May;22(5):589-96

Lack of response in the release of oxytocin and vasopressin from isolated neurohypophyses to dopamine, met-enkephalin and leu-enkephalin. Pitzel L, et al. **Exp Brain Res** 1984;56(2):221-6

Release of alpha-MSH from the in vitro superfused neuro-intermediate lobe of the pituitary of the rat by antidiuretic hormone. Howe A, et al. **Indian J Physiol Pharmacol** 1984 Oct-Dec;28(4):283-90

Inhibition by prostaglandin E2 of the release of vasopressin and beta-endorphin from rat pituitary neurointermediate lobe or medial basal hypothalamus in vitro. Knepel W, et al. **J Endocrinol** 1985 Aug;106(2):189-95

Forskolin inhibits potassium-evoked release of vasopressin from rat neurohypophyses. Bowman D, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1985 Jan; 328(3):358-60

The compartmentalized hypothalamo-neurohypophysial system: evidence for a neurohypophysial action of acetylcholine on vasopressin release. Gregg CM. **Neuroendocrinology** 1985 May;40(5):423-9

Atrial natriuretic factor inhibits dehydration and hemorrhage-induced vasopressin release. Samson WK. **Neuroendocrinology** 1985 Mar;40(3):277-9

Synenkephalin is coreleased with Met-enkephalin from neuronal terminals in vitro. Liston D, et al. **Neurosci Lett** 1984 Jul 27;48(2):211-6

[Effect of administration of high doses of fentanyl on ADH secretion] Rodríguez del Río JM, et al. **Rev Esp Anestesiol Reanim** 1985 May-Jun;32(3):107-12 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Neurophysin heterogeneity. Difference between newly formed and aged neurosecretory granules. Nordmann JJ, et al. **J Biol Chem** 1984 Nov 10;259(21):13111-6

Freeze-drying technique in electron microscopic immunohistochemistry. Hisano S, et al. **J Histochem Cytochem** 1985 May;33(5):485-90

Effect of high ambient temperature on the hypothalamo-neurohypophysial system of the rabbit. II. The neurohypophysial axons. Loesch A, et al. **Neuropatol Pol** 1985;23(1):71-81

Effect of hyperthermic shock on the ultrastructure of cultured pituicytes. Zareba-Kowalska A, et al. **Neuropatol Pol** 1984;22(3):445-56

Immunocytochemical identification of dynorphin-containing vesicles in Brattleboro rats. Whitnall MH, et al. **Peptides (Fayetteville)** 1985 Mar-Apr;6(2):241-7

[Ultrastructural changes in the supraoptica-neurohypophyseal system after induction of lesions in the pituitary stalk in rats] Karcsú S, et al. **Acta Histochem (Jena)** 1985;76(2):183-92 (Eng. Abstr.) **(Ger)**

[Ultrastructural changes in the supraotico-neurohypophyseal system of rats following destruction of the pituitary stalk] Karcsú S, et al. **Morphol Igazsagugyi Orv Sz** 1984 Jul; 24(3):161-9 (Eng. Abstr.) **(Hun)**

PITUITARY HORMONE RELEASING HORMONES

ADMINISTRATION & DOSAGE

Contrasting effects of subcutaneous pulsatile GnRH therapy in congenital adrenal hypoplasia and Kallmann's syndrome. Gordon D, et al. **Clin Endocrinol (Oxf)** 1984 Dec; 21(6):597-603

Pulsatile administration of GnRH for the treatment of hypogonadotrophic hypogonadism. Menon V, et al. **Clin Endocrinol (Oxf)** 1984 Sep;21(3):223-32

Influence of the frequency of gonadotropin-releasing hormone (GnRH) administration on ovulatory responses in women with anovulation. Bringer J, et al. **Fertil Steril** 1985 Jul;44(1):42-8

Ovulation induction in clomiphene nonresponsive patients: the place of pulsatile gonadotropin-releasing hormone in clinical practice. Molloy BG, et al. **Fertil Steril** 1985 Jan; 43(1):26-33

Ovulation induction with pulsatile gonadotropin-releasing hormone administration in patients with polycystic ovarian syndrome. Ory SJ, et al. **Fertil Steril** 1985 Jan;43(1):20-5

Problems in the use of pulsatile gonadotrophin-releasing hormone for the induction of puberty. Stanhope R, et al. **Horm Res** 1985;22(1-2):74-7

Hypothalamic hypogonadism: induction of ovulation and pregnancy by subcutaneous pulsatile injections of gonadotrophin-releasing hormone. Woodhouse NJ, et al. **Horm Res** 1984;20(3):172-7

Pharmacokinetics of gonadotropin-releasing hormone: comparison of subcutaneous and intravenous routes. Handelsman DJ, et al. **J Clin Endocrinol Metab** 1984 Oct; 59(4):739-46

Pulsatile intravenous administration of GnRH by portable infusion pump in Kallmann's syndrome for induction of puberty. Soong YK, et al. **Taiwan I Hsueh Hui Tsa Chih** 1984 Dec;83(12):1215-21

[Pulsatile administration of gonadoliberin by subcutaneous route in the induction of ovulation (letter)] Fenichel P, et al. **Presse Med** 1985 Apr 13;14(15):846 **(Fre)**

[Ovarian hyperstimulation induced by the pulsatile administration of gonadoliberin (letter)] Lorcy Y, et al. **Presse Med** 1984 Nov 17;13(41):2517 **(Fre)**

[Therapy of hypogonadotropic hypogonadism. Indications for the pulsatile administration of gonadotropin-releasing hormone] Butenandt O. **Fortschr Med** 1984 Jul 26; 102(27-28):20 **(Ger)**

ADVERSE EFFECTS

Ovarian hyperstimulation due to long-term pulsatile intravenous GnRH treatment. Geisthövel F, et al. **Arch Gynecol** 1985;236(4):255-9

Ovarian hyperstimulation with exogenous pulsatile gonadotropin releasing hormone therapy. Corenblum B, et al. **J Ultrasound Med** 1985 Aug;4(8):405-10

ANALYSIS

[The effect of blood serum on GnRH-loaded multilayer liposomes: proof of a correlation between their size and the inclusion stability of the peptide hormones] Schäfer H, et al. **Pharmazie** 1985 Feb;40(2):131-2 **(Ger)**

ANTAGONISTS & INHIBITORS

Reversible inhibition of testicular function by a gonadotropin hormone-releasing hormone antagonist in monkeys (Macaca fascicularis). Weinbauer GF, et al. **Fertil Steril** 1984 Dec;42(6):906-14

Acute and chronic effects of a gonadotrophin-releasing hormone antagonist on pituitary and testicular function in monkeys. Bint Akhtar F, et al. **J Endocrinol** 1985 Mar; 104(3):345-54

Differential suppression of follicle-stimulating hormone and luteinizing hormone secretion in vivo by a gonadotropin-releasing hormone antagonist. Grady RR, et al. **Neuroendocrinology** 1985 Mar;40(3):246-52

BLOOD

GnRH and HCG tests are both necessary in differential diagnosis of male delayed puberty. Dunkel L, et al. **Am J Dis Child** 1985 May;139(5):494-8

Immunoreactive gonadotropin-releasing hormone level in maternal circulation throughout pregnancy. Siler-Khodr TM, et al. **Am J Obstet Gynecol** 1984 Oct 15;150(4):376-9

Gonadotropin-releasing hormone test and human chorionic gonadotropin test in the diagnosis of gonadotropin deficiency in prepubertal boys. Dunkel L, et al. **J Pediatr** 1985 Sep;107(3):388-92

Effects on plasma luteinizing hormone and follicle-stimulating hormone of varying the frequency and amplitude of gonadotropin-releasing hormone pulses in ovariectomized ewes with hypothalamo-pituitary disconnection. Clarke IJ, et al. **Neuroendocrinology** 1984 Sep;39(3):214-21

Evidence for decreased secretion of gonadotropin-releasing hormone in pubertal boys during short-term testosterone treatment. Kelch RP, et al. **Pediatr Res** 1985 Jan; 19(1):112-7

DEFICIENCY

Male transmission of the gene for isolated gonadotropin-releasing hormone deficiency. Norman RJ, et al. **Fertil Steril** 1985 Feb;43(2):225-8

DIAGNOSTIC USE

Gonadotrophin responses to GnRH in precocious puberty treated with GnRH analogue. Donaldson MD, et al. **Clin Endocrinol (Oxf)** 1984 Nov;21(5):499-503

The role of gonadotrophin releasing hormone in the investigation and treatment of hypogonadism. Gossage A, et al. **Postgrad Med J** 1985 Mar;61(713):195-200 (34 ref.)

Gonadotropin response to gonadotropin releasing hormone in acute schizophrenia. Cantalamessa L, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1984; 8(3):411-7

Quadruple injection of hypothalamic peptides to evaluate pituitary function in normal subjects. Kaltenborn KC, et al. **West J Med** 1985 Jan;142(1):37-41

[Global pituitary stimulation test with releasing hormones] Holl R, et al. **Dtsch Med Wochenschr** 1985 Jun 14; 110(24):953-5 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Bioeffective monoclonal antibody against the decapeptide gonadotropin-releasing hormone: reacting determinant and action on ovulation and estrus suppression. Talwar GP, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1228-31

ISOLATION & PURIFICATION

A new family member for gonadotropin-releasing hormone. Sherwood NM, et al. **Neuropeptides** 1985 Jun;6(3):205-14

METABOLISM

Estradiol potentiation of gonadotropin-releasing hormone responsiveness in the anterior pituitary is mediated by an increase in gonadotropin-releasing hormone receptors. Menon M, et al. **Am J Obstet Gynecol** 1985 Feb 15; 151(4):534-40

Gonadotropin-releasing hormone within the organum vasculosum lamina terminalis in the ovariectomized, estrogen/progesterone-treated rat: a quantitative immunocytochemical study using image analysis. Rothfeld JM, et al. **Brain Res** 1985 Jul 15;338(2):309-15

Opioid and neurotransmitter regulation of pituitary gonadotropin-releasing hormone (GnRH) receptors in the ovariectomized estradiol-treated rat: role of altered GnRH secretion. Barkan AL, et al. **Endocrinology** 1985 Mar; 116(3):1003-10

Radiation inactivation (target size analysis) of the gonadotropin-releasing hormone receptor: evidence for a high molecular weight complex. Conn PM, et al. **Endocrinology** 1985 Apr;116(4):1324-6

Evidence from the rhesus monkey (Macaca mulatta) for the view that negative feedback control of luteinizing hormone secretion by the testis is mediated by a deceleration of hypothalamic gonadotropin-releasing hormone pulse frequency. Plant TM, et al. **Endocrinology** 1984 Dec; 115(6):2145-53

On the blood-brain barrier to peptides: [3H]gonadotropin-releasing hormone accumulation by eighteen regions of the rat brain and by anterior pituitary. Ermisch A, et al. **Exp Clin Endocrinol** 1984 Jul;84(1):112-6

Gonadotropin-releasing hormone (Gn-RH) in striped mullet (Mugil cephalus), milkfish (Chanos chanos), and rainbow trout (Salmo gairdneri): comparison with salmon Gn-RH. Sherwood NM, et al. **Gen Comp Endocrinol** 1984 Aug; 55(2):174-81

Ultrastructural characterization of gonadotropin-releasing hormone (GnRH)-producing neurons. Jennes L, et al. **J Comp Neurol** 1985 Feb 22;232(4):534-47

Hypothalamic gonadotrophin-releasing hormone and pituitary and plasma FSH and prolactin during photostimulation and photorefractoriness in intact and thyroidectomized starlings (Sturnus vulgaris). Dawson A, et al. **J Endocrinol** 1985 Apr;105(1):71-7

PHARMACODYNAMICS

Biphasic modulation of pituitary sensitivity to GnRH by oestrogens: the effects of A- and D-ring substitution on LH release in cultured pituitary cells. Emons G, et al. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):317-27

Effect of thyrotropin-releasing hormone and gonadotropin-releasing hormone on serum TSH, PRL, hGH, FSH and LH in primary testicular failure and in hypogonadotrophic hypogonadism. Szilágyi G, et al. **Acta Med Hung** 1984;41(4):175-83

Priming with gonadotropin-releasing hormone restores gonadotropin secretion during first but not second trimester of pregnancy. Shoupe D, et al. **Am J Obstet Gynecol** 1984 Nov 1;150(5 Pt 1):460-4

Endocrine pathogenesis of postweaning anestrus in swine: response of the persistently anestrous sow to hormonal stimuli. Dial GD, et al. **Am J Vet Res** 1984 Sep; 45(9):1737-42

Gonadotropin releasing hormone stimulates the formation of inositol phosphates in rat anterior pituitary tissue. Schrey MP. **Biochem J** 1985 Mar 1;226(2):563-9

Prolongation of the bovine estrous cycle with a gonadotropin-releasing hormone analog. Milvae RA, et al. **Biol Reprod** 1984 Nov;31(4):664-70

Reproductive performance in dairy cows following postpartum treatment with gonadotrophin releasing hormone and/or prostaglandin: a field trial. Etherington WG, et al. **Can J Comp Med** 1984 Jul;48(3):245-50

Effects of gonadotrophin releasing hormone on reproductive performance of dairy cows with retained placenta. Leslie KE, et al. **Can J Comp Med** 1984 Oct;48(4):354-9

Longitudinal study of the surge of gonadotropins induced by exogenous hormones in prepuberal gilts. Fleming MW, et al. **Endocrinology** 1985 May;116(5):1893-8

The frequency of gonadotropin-releasing hormone stimulation determines the number of pituitary gonadotropin-releasing hormone receptors. Katt JA, et al. **Endocrinology** 1985 May;116(5):2113-5

Release of luteinizing hormone and follicle-stimulating hormone from pituitaries of lactating rats by gonadotropin-releasing hormone and high potassium concentration. Smith MS. **Endocrinology** 1985 May; 116(5):1826-34

FSH and LH response to testosterone and gonadotropin-releasing hormone in aging male rats. Sartin JL, et al. **Exp Aging Res** 1984 Winter;10(4):183-7

Effect of a gonadotropin-releasing hormone agonist on luteinizing hormone and testosterone secretion and testicular histology in male rhesus monkeys. Mann DR, et al. **Fertil Steril** 1985 Jan;43(1):115-21

Prolactin response after gonadotropin-releasing hormone in the polycystic ovary syndrome. Shoupe D, et al. **Fertil Steril** 1985 Apr;43(4):549-53

Structure-activity relationships of mammalian, chicken, and salmon gonadotropin releasing hormones in vivo in goldfish. Peter RE, et al. **Gen Comp Endocrinol** 1985 May; 58(2):231-42

Plasma LH, FSH, testosterone & LH response to GnRH during exercise in man. Sawhney RC, et al. **Indian J Med Res** 1984 Apr;79:523-8

Effects of dihydrotestosterone benzoate administration on gonadotropin secretion in ovariectomized pony mares. Garza F Jr, et al. **J Anim Sci** 1985 Jul;61(1):240-4

Serum gonadotropins after gonadotropin-releasing hormone injection in bulls subjected to spacial restriction. Gwazdauskas FC, et al. **J Dairy Sci** 1984 Dec; 67(12):3069-74

Changes of luteinizing hormone and progesterone for dairy cows after gonadotropin-releasing hormone at first postpartum breeding. Lee CN, et al. **J Dairy Sci** 1985 Jun; 68(6):1463-70

Mechanism of action of gonadotropin-releasing hormone stimulated Leydig cell steroidogenesis. III. The role of arachidonic acid and calcium/phospholipid dependent protein kinase. Lin T. **Life Sci** 1985 Apr 1;36(13):1255-64

Homologous ligand induction of pituitary gonadotrophin-releasing hormone receptors in vivo is protein synthesis dependent. Detta A, et al. **Mol Cell Endocrinol** 1984 Sep;37(2):139-44

Effects of gonadotrophin-releasing hormone on testosterone secretion by fetal and neonatal rat testes in vitro. Raeside JI, et al. **Mol Cell Endocrinol** 1984 Sep;37(2):191-6

Diacylglycerols and protein kinase C. Potential amplifying mechanism for Ca2+-mediated gonadotropin-releasing hormone-stimulated luteinizing hormone release. Harris CE, et al. **Mol Pharmacol** 1985 May;27(5):532-6

Gonadotropin-releasing hormone increases plasma catecholamines and blood pressure in toads. Wilson JX, et al. **Neuroendocrinology** 1984 Nov;39(5):437-41

Responsiveness of the pituitary-testicular axis to gonadotropin-releasing hormone and chorionic gonadotropin during the first week of life. Dunkel L, et al. **Pediatr Res** 1984 Nov;18(11):1085-7

[Ovulation synchronization with a gonadotropin-releasing hormone, following estrus synchronization with Bovisynchron in heifers] Busch W, et al. **Arch Exp Veterinarmed** 1984 Nov;38(6):900-12 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Modulation of lordosis behaviour in the female rat by corticotropin releasing factor, beta-endorphin and gonadotropin releasing hormone in the mesencephalic central gray. Sirinathsinghji DJ. **Brain Res** 1985 Jun 10; 336(1):45-55

Mechanisms of gonadotropin-releasing hormone and prostaglandin action on luteal cells. Leung PC. **Can J Physiol Pharmacol** 1985 Mar;63(3):249-56 (79 ref.)

Evidence for a physiological role of gonadotropin-releasing hormone (GnRH) or GnRH-like material in the ovary. Birnbaumer L, et al. **Endocrinology** 1985 Apr; 116(4):1367-70

Detection of LH release from individual pituitary cells by the reverse hemolytic plaque assay: estrogen increases the fraction of gonadotropes responding to GnRH. Smith PF, et al. **Endocrinology** 1984 Dec;115(6):2484-6

Neuroendocrine control of reproduction and its therapeutic manipulation with GnRH and its analogs. Brodie TD, et al. **Int J Fertil** 1985;30(1):66-70, 74-5

Role of GnRH in the maturation of pituitary gonadotroph function. Clayton RN. **J Reprod Fertil** 1985 Sep; 75(1):307-15 (62 ref.)

Stimulatory effect of a GnRH agonist (buserelin) in in vitro and in vivo testosterone production by the frog (Rana esculenta) testis. Pierantoni R, et al. **Mol Cell Endocrinol** 1984 Dec;38(2-3):215-9

Modulation of lordosis behavior of female rats by naloxone, beta-endorphin and its antiserum in the mesencephalic central gray: possible mediation via GnRH. Sirinathsinghji DJ. **Neuroendocrinology** 1984 Sep;39(3):222-30

[Neuroendocrine control of gonadotropin secretion] Prelević GM. **Srp Arh Celok Lek** 1984 Sep;112(9):955-65 (60 ref.) (Eng. Abstr.) **(Scc)**

SECRETION

Inhibition of gonadotropin-releasing hormone release as the basis of pituitary-gonadal dysfunction during treatment with 4-aminopyrazolo-(3,4-d)-pyrimidine. Blank MS, et al. **Endocrinology** 1985 May;116(5):1778-83

Increased gonadotropin-releasing hormone pulse frequency associated with estrogen-induced luteinizing hormone surges in ovariectomized ewes. Clarke IJ, et al. **Endocrinology** 1985 Jun;116(6):2376-83

[Neurotransmitters in the control of the function of gonadotropin-releasing-hormone neurons] Chen LS. **Sheng Li Ko Hsueh Chin Chan** 1984 Jan;15(1):68-70 **(Chi)**

THERAPEUTIC USE

Ovarian ultrasound assessment in normal children, idiopathic precocious puberty, and during low dose pulsatile gonadotrophin releasing hormone treatment of hypogonadotrophic hypogonadism. Stanhope R, et al. **Arch Dis Child** 1985 Feb;60(2):116-9

The use of gonadotropin-releasing hormone for the induction of ovulation. Liu JH, et al. **Clin Obstet Gynecol** 1984 Dec; 27(4):975-82

Inhibition of ovulation by intranasal nafarelin, a new superactive agonist of GnRH. Gudmundsson JA, et al. **Contraception** 1984 Aug;30(2):107-14

Pulsatile gonadotropin-releasing hormone therapy in male patients with Kallmann's syndrome or constitutional delay of puberty. Happ J, et al. **Fertil Steril** 1985 Apr; 43(4):599-608

Successful pregnancy following ovulation induction with pulsatile GnRH. O'Herlihy C, et al. **Ir Med J** 1985 May; 78(5):133-4, 136

Effect of supplemental beta-carotene on incidence and responsiveness of ovarian cysts to hormone treatment. Marcek JM, et al. **J Dairy Sci** 1985 Jan;68(1):71-7

Prostate cancer: clinical trials of gonadotrophin-releasing hormone analogs as an alternative to orchiectomy. Hollander V. **Mt Sinai J Med (NY)** 1985 Mar;52(3):205-6

Ovarian cysts in dairy cattle--observations of symptoms and milk progesterone values; therapy with GnRH and a combination of GnRH and PG. Koppinen J, et al. **Nord Vet Med** 1984 Nov-Dec;36(11):361-6

Hormonal therapy: the benefits of postponed initiation. Cockburn AG. **Urology** 1984 Nov;24(5 Suppl):24-6

Newer methods of hormonal therapy for prostate cancer. Soloway MS. **Urology** 1984 Nov;24(5 Suppl):30-8

[Pulsed administration of gonadoliberine (GnRH) in the treatment of anovulation] Jaffiol C, et al. **Bull Acad Natl Med (Paris)** 1985 Jan;169(1):95-8 (Eng. Abstr.) **(Fre)**

[GnRH analogs. Theoretical aspects. Practical applications] Lecomte P. **J Gynecol Obstet Biol Reprod (Paris)** 1984; 13(4):363-73 (Eng. Abstr.) **(Fre)**

[Pulsatile substitution with gonadotropin-releasing hormone in the treatment of sterility in hypothalamic amenorrhea] Wildt L, et al. **Internist (Berlin)** 1985 May;26(5):266-70 **(Ger)**

[A new approach to the treatment with gonadotropin releasing hormones (editorial)] Cohen I, et al. **Harefuah** 1984 Jul;107(1-2):46-8 **(Heb)**

PITUITARY HORMONES

ADVERSE EFFECTS

Suspension of the Australian human pituitary hormone programme [editorial] Lazarus L. **Med J Aust** 1985 Jul 22;143(2):57-9

ANALYSIS

Quantitative immunocytochemistry of hypothalamic and pituitary hormones: validation of an automated, computerized image analysis system. Gross DS, et al. **J Histochem Cytochem** 1985 Jan;33(1):11-20

BLOOD

Endocrinological differentiation of primary hypothalamic and pituitary disease. Müller EE. **Acta Neurochir (Wien)** 1985;75(1-4):91-8

Hormonal and metabolic changes induced by flunarizine therapy: preliminary results. Cortelli P, et al. **Cephalalgia** 1985 May;5 Suppl 2:185-6

Suckling in lactating women stimulates the secretion of insulin and prolactin without concomitant effects on gastrin, growth hormone, calcitonin, vasopressin or catecholamines. Widström AM, et al. **Early Hum Dev** 1984 Sep;10(1-2):115-22

Opiate receptor blockade and diurnal pituitary and adrenal hormone levels. Leslie RD, et al. **Horm Metab Res** 1985 Feb;17(2):86-9

Effect of acute and chronic psychogenic stress on corticoadrenal and pituitary-thyroid hormones in male rats. Armario A, et al. **Horm Res** 1984;20(4):241-5

Comparison of pituitary responses to physical exercise in athletes and sedentary subjects. Rolandi E, et al. **Horm Res** 1985;21(4):209-13

Effect of flutamide or cyproterone acetate on pituitary and testicular hormones in normal men. Knuth UA, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):963-9

Pituitary and thyroid hormone levels before and after orthotopic hepatic transplantation and their responses to thyrotropin-releasing hormone. Van Thiel DH, et al.

J Clin Endocrinol Metab 1985 Mar;60(3):569–74

Pituitary and gonadal secretory variations and control mechanism during physical exercise. Métivier G. **J Sports Med Phys Fitness** 1985 Mar–Jun;25(1–2):18–26

[Endocrine effects of constituents of Cimicifuga racemosa. 1. The effect on serum levels of pituitary hormones in ovariectomized rats] Jarry H, et al. **Planta Med** 1985 Feb;(1):46–9 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis of the heptadecapeptide corresponding to the entire amino acid sequence of salmon melanin–concentrating hormone (MCH). Okamoto K, et al. **Chem Pharm Bull (Tokyo)** 1984 Aug;32(8):2963–70

ISOLATION & PURIFICATION

Anti–insulin–like (diabetogenic) peptides in pituitary extracts: role of oxytocin. Stephenson FA, et al. **Arch Biochem Biophys** 1984 Oct;234(1):214–29

METABOLISM

Salient characteristics of bovine pituitary intraglandular colloid: a transport medium for determinants to pituitary hormones and immunoglobulins. Boyd WH, et al. **Acta Biol Hung** 1983;34(4):363–9

Bacteremia–induced changes in pituitary hormone release and effect of naloxone. Leshin LS, et al. **Am J Physiol** 1984 Nov;247(5 Pt 1):E585–91

Maitotoxin stimulates hormonal release and calcium flux in rat anterior pituitary cells in vitro. Schettini G, et al. **Am J Physiol** 1984 Oct;247(4 Pt 1):E520–5

Peptide hormones, biomembranes and cell growth. Abstracts. **Chemioterapia** 1984;3(6 Suppl):9–29

Nifedipine does not impair the hormonal responses to graded exercise in healthy subjects. Joffe BI, et al. **Horm Res** 1985;21(2):88–94

PHARMACODYNAMICS

The effects of hypophysectomy and administration of pituitary hormones on luteal function and uptake of high density lipoproteins by luteinized ovaries and adrenals of the rat. Murphy BD, et al. **Endocrinology** 1985 Apr;116(4):1587–97

Fish melanin–concentrating hormone disperses melanin in amphibian melanophores. Ide H, et al. **Gen Comp Endocrinol** 1985 Jun;58(3):486–90

Studies on the specificity of thyroid response to pituitary glycoprotein hormones. MacKenzie DS, et al. **Gen Comp Endocrinol** 1984 Oct;56(1):156–66

The insulin–like action of beta–cell–tropin on glucose and lipid metabolism in adipocytes. Watkinson A, et al. **Horm Metab Res** 1984 Dec;16 Suppl 1:55–8

Characterization of a sheep pituitary–derived growth factor for rat and human mammary tumor cells. Ikeda T, et al. **J Cell Biochem** 1984;25(4):213–29

Salmonid melanin–concentrating hormone inhibits corticotrophin release. Baker BI, et al. **J Endocrinol** 1985 Aug;106(2):R5–8

PHYSIOLOGY

Effect of cis–platinum on kidney cytochrome P–450 and heme metabolism: evidence for the regulatory role of the pituitary hormones. Jollie DR, et al. **Arch Biochem Biophys** 1985 Jul;240(1):51–9

Misleading concepts in the field of brain peptides. Kastin AJ, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:249–53 (51 ref.)

SECRETION

Dual regulation of adenylate cyclase activity and hormone release in the intermediate lobe of the rat pituitary gland: evidence for the involvement of membrane components of the stimulatory beta 2–adrenergic system and of the inhibitory D–2 dopaminergic system. Cote TE, et al. **Adv Cyclic Nucleotide Protein Phosphorylation Res** 1985;19:151–67

The effect of nicardipine on pituitary hormone release in normal volunteers. Isles TE, et al. **Br J Clin Pharmacol** 1985;20 Suppl 1:84S–87S

Influence of endogenous and exogenous oestrogens on posterior pituitary secretion in women. Williams TD, et al. **Clin Endocrinol (Oxf)** 1985 May;22(5):589–96

Effect of dexamethasone on the release of pituitary hormones in monolayer cultures of rat pituitary cells. Nakagawa K, et al. **Endocrinol Jpn** 1985 Feb;32(1):61–4

Pituitary 5–hydroxytryptamine nerves––a possible link with pituitary hormone secretion. Holzbauer M, et al. **J Neural Transm** 1985;63(1):53–71

Recent studies on the role of brain peptides in control of anterior pituitary hormone secretion. McCann SM, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:3–7 (41 ref.)

[Intermediate lobe of the amphibian pituitary gland: an endocrine gland with multiple secretions and under multi–hormonal control] Tonon MC, et al. **Ann Endocrinol (Paris)** 1985;46(2):69–87 (126 ref.) (Eng. Abstr.) **(Fre)**

[A case of Wilson's disease with a high density lesion in hepatic computerized tomography scan and abnormal secretion of pituitary hormones] Kikuchi A, et al. **Nippon Naika Gakkai Zasshi** 1984 Oct;73(10):1512–8 **(Jpn)**

[Diurnal fluctuations in hormone secretion in hypophyseal adenomas] Epshtein EV, et al. **Vrach Delo** 1984 Nov;(11):63–5 **(Rus)**

STANDARDS

FDA ban on pituitary product [news] Beardsley T. **Nature** 1985 May 30–Jun 5;315(6018):358–9

URINE

Urinary molecular forms of human N–terminal of proopiomelanocortin: possible deglycosylation and degradation by the kidney. Gaspar L, et al. **J Clin Endocrinol Metab** 1984 Oct;59(4):614–21

PITUITARY HORMONES, ANTERIOR

Variation in the core and branch carbohydrate sequences of serum glycoprotein hormone alpha subunit as determined by lectin affinity chromatography. Chapman AJ, et al. **J Endocrinol** 1984 Oct;103(1):117–22

ANALYSIS

Pituitary gland in hypothyroidism. Histologic and immunocytologic study. Scheithauer BW, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):499–504

Presence of pituitary hormones in the human stomach. Segre G, et al. **J Nucl Med Allied Sci** 1984 Apr–Jun;28(2):103–7

[Alpha subunit positive cases in so–called non–functioning pituitary adenomas] Yamagami T, et al. **Neurol Med Chir (Tokyo)** 1985 May;25(5):362–7 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Identification of seven hormone–producing cell types in the human pharyngeal hypophysis. Ciocca DR, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):212–6

Pure alpha–subunit producing tumor derived from a thyrotropic tumor: impaired regulation of alpha–subunit and its mRNA by thyroid hormone. Ross DS, et al. **Mol Cell Endocrinol** 1985 Feb;39(2):161–5

BLOOD

Effects of clonidine on polypeptide and steroid hormone levels in man. A review. Carlström K. **Acta Obstet Gynecol Scand [Suppl]** 1985;132:33–4

Corticotrophin, cortisol, prolactin and growth hormone responses to insulin–induced hypoglycaemia in normal subjects given sodium valproate. Abraham RR, et al. **Clin Endocrinol (Oxf)** 1985 May;22(5):639–44

Plasma concentrations of pituitary and testicular hormones of fertile and infertile men. Stanwell–Smith R, et al. **Clin Reprod Fertil** 1985 Mar;3(1):37–48

The effect of lisuride hydrogen maleate on anterior pituitary hormones, oestradiol and cortisol in normal and hyperprolactinaemic women. Koizumi K, et al. **Eur J Obstet Gynecol Reprod Biol** 1985 Jul;20(1):19–26

Effect of metergoline on prolactin, follicle stimulating hormone, luteinizing hormone and thyroid stimulating hormone response to TRH and LHRH in normal men and women. Sartani A, et al. **Horm Metab Res** 1984 Oct;16(10):535–8

Circulating hormones in lung cancer. Behera D, et al. **Indian J Med Res** 1984 May;79:636–40

Effects of human pancreatic growth hormone–releasing factor–40 on serum growth hormone, prolactin, luteinizing hormone, follicle–stimulating hormone, and somatomedin–C concentrations in normal women throughout the menstrual cycle. Evans WS, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):1006–10

Follicle–stimulating hormone– and alpha–subunit–secreting pituitary tumor treated with bromocriptine. Vance ML, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):580–4

Identification of multiple opiate receptors through neuroendocrine responses. II. Antagonism of mu, kappa and sigma agonists by naloxone and WIN 44,441–3. Pechnick R, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):170–7

Identification of multiple opiate receptors through neuroendocrine responses. I. Effects of agonists. Pechnick R, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):163–9

Pharmacological evidence for opioid and adrenergic mechanisms controlling growth hormone, prolactin, pancreatic polypeptide, and catecholamine levels in humans. Thompson DA, et al. **Metabolism** 1985 Apr;34(4):383–90

Effect of clonidine on the secretion of anterior pituitary hormones in heroin addicts and normal volunteers. Brambilla F, et al. **Psychiatry Res** 1984 Dec;13(4):295–304

Idiopathic premature ovarian failure. A clinical and biochemical study. Naidoo C, et al. **S Afr Med J** 1985 Jul 20;68(2):91–4

[Measurement of basal plasma levels of 3 anterior pituitary hormones during acute or chronic treatment with tricyclic antidepressants] Goyot C, et al. **Encephale** 1985 Mar–Apr;11(2):45–51 (Eng. Abstr.) **(Fre)**

[Pituitary hormone responses to exercise at high altitudes] Utsunomiya T, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Oct 20;60(10):1214–26 (Eng. Abstr.) **(Jpn)**

[Pituitary hormones in prostatic adenoma] Gerasimova TsI, et al. **Sov Med** 1985;(2):80–3 **(Rus)**

[Blood levels of various hormones in patients with ischemic heart disease and obesity] Chichkalo OV, et al. **Vrach Delo** 1985 Jun;(6):15–7 **(Rus)**

CEREBROSPINAL FLUID

Adenohypophyseal hormones in cerebrospinal fluid. Temeli E. **Endocrinologie** 1984 Jul–Sep;22(3):219–22

DEFICIENCY

The endocrine spectrum of septo–optic dysplasia. Izenberg N, et al. **Clin Pediatr (Phila)** 1984 Nov;23(11):632–6

[Chronic anterior hypophyseal insufficiency following frontobasal skull fractures] Göpel W, et al. **Z Gesamte Inn Med** 1985 Apr 1;40(7):209–13 (Eng. Abstr.) **(Ger)**

GENETICS

Further characterization of the porcine LH subunits precursors in the translation products of pituitary RNAs. Pascal O, et al. **Biochem Biophys Res Commun** 1984 Oct 30;124(2):383–7

Rapid simultaneous measurement of rat alpha– and thyrotropin (TSH) beta–subunit messenger ribonucleic acids (mRNAs) by solution hybridization: regulation of TSH subunit mRNAs by thyroid hormones. Carr FE, et al. **Endocrinology** 1985 Sep;117(3):1272–8

Pituitary alpha–subunit messenger ribonucleic acid remains elevated during the latter stages of the preovulatory luteinizing hormone surge. Landefeld T, et al. **Endocrinology** 1985 Sep;117(3):934–8

IMMUNOLOGY

Highly specific and sensitive hybridoma antibodies against the alpha–subunit of human glycoprotein hormones. Thotakura NR, et al. **Endocrinology** 1985 Oct;117(4):1300–8

ISOLATION & PURIFICATION

Identification and partial characterization of a 25K protein structurally similar to prolactin. Sinha YN, et al. **Proc Soc Exp Biol Med** 1985 Apr;178(4):505–14

METABOLISM

The levels and subcellular distribution of hormones and marker enzymes in pituitaries from control subjects and patients with prolactinomas, acromegaly or functionless pituitary tumours. De Marco L, et al. **Clin Endocrinol (Oxf)** 1984 Nov;21(5):515–23

Changes in the levels of pituitary and steroid hormones in ovine and human ovarian follicular fluid. Shailaja K, et al. **Horm Res** 1985;21(3):175–84

The major tyrosine–sulfated protein of the bovine anterior pituitary is a secretory protein present in gonadotrophs, thyrotrophs, mammotrophs, and corticotrophs. Rosa P, et al. **J Cell Biol** 1985 Mar;100(3):928–37

Glycoprotein hormone alpha–subunit response to growth hormone (GH)–releasing hormone in patients with active acromegaly. Evidence for alpha–subunit and GH coexistence in the same tumoral cell. Beck–Peccoz P, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):541–6

Lack of binding of serum glycoprotein hormone alpha subunit to concanavalin A–Sepharose reflects increased branching of the oligosaccharide chains. Chapman AJ, et al. **J Endocrinol** 1984 Oct;103(1):111–6

PHARMACODYNAMICS

Differential action of decidual luteotropin on luteal and follicular production of testosterone and estradiol. Gibori G, et al. **Endocrinology** 1985 May;116(5):1784–91

Prolactin–mediated progesterone secretion by cultured rat granulosa cells: regulation by purified human glycoprotein hormones and their subunits. Grasso P, et al. **Endocrinology** 1985 Jan;116(1):319–27

Hybrids from equine LH: alpha enhances, beta diminishes activity. Bousfield GR, et al. **Mol Cell Endocrinol** 1985 Apr;40(1):69–77

Induction of pituitary lactotrope differentiation by luteinizing hormone alpha subunit. Bégeot M, et al. **Science** 1984 Nov 2;226(4674):566–8

Reduced superovulatory response in the ewe following repeated gonadotrophin treatment. Al–Kamali AA, et al. **Vet Rec** 1985 Feb 16;116(7):180–1

PHYSIOLOGY

Possible mechanisms implicated on the hypothermic effect induced by morphine in guinea–pig. Milanés MV, et al. **Gen Pharmacol** 1984;15(4):357–60

SECRETION

Differential effects of mecamylamine on the nicotine induced changes in amine levels and turnover in hypothalamic dopamine and noradrenaline nerve terminal systems and in the secretion of adenohypophyseal hormones in the castrated female rat. Evidence for involvement of cholinergic nicotine–like receptors. Anderson K, et al. **Acta Physiol Scand** 1984 Apr;120(4):489–98

Effects of acute intermittent exposure to cigarette smoke on catecholamine levels and turnover in various types of hypothalamic DA and NA nerve terminal systems as well as on the secretion of adenohypophyseal hormones and corticosterone. Andersson K, et al. **Acta Physiol Scand** 1985 Jun;124(2):277-85

Decreased in vitro secretion of LH, FSH, and free alpha-subunits by pituitary cells from old male rats. Blackman MR, et al. **Am J Physiol** 1985 Aug;249(2 Pt 1):E145-51

Calcium channel agonist BAY k8644 enhances anterior pituitary secretion in rat and monkey. Cronin MJ, et al. **Am J Physiol** 1985 Sep;249(3 Pt 1):E326-9

Differential secretion of O-glycosylated gonadotropin alpha-subunit and luteinizing hormone (LH) in the presence of LH-releasing hormone. Corless CL, et al. **Endocrinology** 1985 Oct;117(4):1699-706

Pure alpha-subunit-secreting mouse pituitary tumor: inhibition of growth and secretion by combined treatment with thyroxine and bromocriptine. Kieffer JD, et al. **Endocrinology** 1985 Oct;117(4):1418-23

Divergent influences of the structurally dissimilar calcium entry blockers, diltiazem and verapamil, on thyrotropin- and gonadotropin-releasing hormone-stimulated anterior pituitary hormone secretion in man. Veldhuis JD, et al. **J Clin Endocrinol Metab** 1985 Jan;60(1):144-9

Pulsatile secretion of immunoreactive alpha-subunit in man. Winters SJ, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):344-8

Ketanserin without effects on basal anterior pituitary hormone secretion in healthy subjects. Gordin A, et al. **J Endocrinol Invest** 1985 Feb;8(1):73-5

Effect of acute ether stress on monoamine metabolism in median eminence and discrete hypothalamic nuclei of the rat brain and on anterior pituitary hormone secretion. Johnston CA, et al. **Neuroendocrinology** 1985 Jul;41(1):83-8

Pituitary hormones during the menopausal hot flash. Meldrum DR, et al. **Obstet Gynecol** 1984 Dec;64(6):752-6

The effects of gastric inhibitory polypeptide (GIP) on the release of anterior pituitary hormones. Ottlecz A, et al. **Peptides (Fayetteville)** 1985 Jan-Feb;6(1):115-9

[Anterior pituitary function in cerebrovascular disease. Hypertensive intracranial hematoma cases] Yoshimoto H, et al. **Neurol Med Chir (Tokyo)** 1985 Jun;25(6):440-7 (Eng. Abstr.) **(Jpn)**

[Anterior pituitary function in cerebrovascular diseases, with special reference to ruptured cerebral aneurysm] Yoshimoto H, et al. **Neurol Med Chir (Tokyo)** 1985 Jun;25(6):433-9 (Eng. Abstr.) **(Jpn)**

[Effect of calcitonin on the secretion of PRL, TSH, GH, LH, FSH, cortisol, T3 and T4] Słowińska-Srzednicka J, et al. **Endokrynol Pol** 1984;35(5):267-73 (Eng. Abstr.) **(Pol)**

[Effect of hypercalcemia on the secretion of insulin and anterior pituitary hormones] Słowińska-Srzednicka J, et al. **Endokrynol Pol** 1984;35(5):259-65 (Eng. Abstr.) **(Pol)**

[Effect of met-enkephalin on pituitary hormone secretion] Baranowska B. **Pol Tyg Lek** 1984 Jul 16-23;39(29-30):1017-9 (38 ref.) **(Pol)**

PITUITARY HORMONES, POSTERIOR

see related
NEUROPHYSINS

BIOSYNTHESIS

Dynamic neuronal-glial interactions in hypothalamus and pituitary: implications for control of hormone synthesis and release. Hatton GI, et al. **Peptides (Fayetteville)** 1984;5 Suppl 1:121-38 (76 ref.)

ISOLATION & PURIFICATION

Ontogeny of the bovine neurohypophyseal hormone precursors. Foetal neurohormones and neurophysins. Chauvet MT, et al. **Int J Pept Protein Res** 1984 Jul;24(1):66-73

METABOLISM

Conformational flexibility of neurophysin as investigated by local motions of fluorophores. Relationships with neurohypophyseal hormone binding. Rholam M, et al. **Biochemistry** 1985 Apr 9;24(8):1928-33

Topography of binding sites for neurohypophyseal hormones in rat brain. De Kloet ER, et al. **Eur J Pharmacol** 1985 Mar 26;110(1):113-9

[The co-localization of neurohypophysis peptides and the corticotropin-releasing factor in the rat brain. Contribution of morphometric analyses] Burlet A, et al. **Ann Endocrinol (Paris)** 1984;45(3):189-99 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

'Antigonadal' activity of the neurohypophysial hormones: direct in vivo regulation of Leydig cell function. Adashi EY, et al. **Ann NY Acad Sci** 1984;438:622-4

The role of adrenal medulla and neurohypophysis in the central and peripheral cardiovascular effects of neurohypophysial peptides. Montastruc JL, et al. **Arch Int Pharmacodyn Ther** 1984 Aug;270(2):299-308

Effects of corticotropin-releasing factor, neurohypophyseal peptides, and catecholamines on pituitary function. Rivier C, et al. **Fed Proc** 1985 Jan;44(1 Pt 2):189-95

Effects of prolactin, adrenocorticotrophin, neurohypophysial peptides, cortisol, and androgens on some osmoregulatory parameters of the hypophysectomized catfish, Heteropneustes fossilis (bloch). Parwez I, et al. **Gen Comp Endocrinol** 1985 Apr;58(1):51-68

Modulation of insulin and glucagon secretion from the perfused rat pancreas by the neurohypophysial hormones and by desamino-D-arginine vasopressin (DDAVP). Dunning BE, et al. **Peptides (Fayetteville)** 1984 Sep-Oct;5(5):871-5

THERAPEUTIC USE

Experiments on the use of hormones of the posterior pituitary in memory disorders of various genesis. Akimov GA, et al. **Neurosci Behav Physiol** 1985 Jan-Feb;15(1):54-7

TOXICITY

[Effect of heparin and fepromaron on the kallikrein-kinin system in pituitrin-induced hypertension] Semenchenko MV. **Farmakol Toksikol** 1985 May-Jun;48(3):74-7 (Eng. Abstr.) **(Rus)**

[Bioelectrical, biochemical and histomorphological changes in the ocular tissues in pituitrin hypertension and the use of euphylline and papaverine] Strelkova NF, et al. **Farmakol Toksikol** 1984 Nov-Dec;47(6):53-6 (Eng. Abstr.) **(Rus)**

PITUITARY IRRADIATION

The hormonal effects of pituitary surgery and irradiation: a review of 59 cases. Wittert G, et al. **NZ Med J** 1985 Feb 27;98(773):93-7

Repeat pituitary ablation for advanced prostatic cancer. Khan O, et al. **Postgrad Med J** 1985 May;61(715):433-4

[Serum anti-protease activity in the evaluation of results of proton hypophysectomy] Konnova LA, et al. **Med Radiol (Mosk)** 1985 Apr;30(4):17-20 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Delayed radiation necrosis of the brain. A case with Klüver-Bucy syndrome] Ishii S, et al. **Rinsho Shinkeigaku** 1985 Apr;25(4):437-42 (Eng. Abstr.) **(Jpn)**

METHODS

Treatment of Cushing's disease with low dose radiation therapy. Ahmed SR, et al. **Br Med J [Clin Res]** 1984 Sep 15;289(6446):643-6

PITUITARY NEOPLASMS

Diagnosis, treatment and postoperative results of Cushing's disease. Kageyama N, et al. **Neurosurg Rev** 1985;8(3-4):177-83

[A case of treated primary sterility and the course of pregnancy in the amenorrhea-galactorrhea syndrome associated with pituitary adenoma and hyperprolactinemia] Křivan R. **Cesk Gynekol** 1985 Jun;50(5):361-2 **(Cze)**

[Prolactinoma: etiology, pathogenesis, clinical course and treatment] Dedov II, et al. **Akush Ginekol (Mosk)** 1985 Feb;(2):3-7 (58 ref.) **(Rus)**

ANALYSIS

DNA pattern of human pituitary tumors. Anniko M, et al. **Am J Otolaryngol** 1985 Mar-Apr;6(2):103-10

Immunohistochemical localization of chromogranin in human hypophyses and pituitary adenomas. Lloyd RV, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):515-7

Antibodies against the plasma membrane 3,3',5-triiodo-L-thyronine binding protein of rat pituitary GH3 cells: partial characterization and cross-species immunoreactivity. Hasumura S, et al. **Biochem Biophys Res Commun** 1984 Nov 14;124(3):956-62

Concentration of native prolactin and prolactin binding sites in hepatic subcellular fractions from hyperprolactinemic rats. Savoie S, et al. **Horm Metab Res** 1985 Mar;17(3):131-5

Immunocytochemistry of folliculo-stellate cells of normal and neoplastic human pituitary gland. Morris CS, et al. **J Clin Pathol** 1985 May;38(5):481-8

Characterization of immunoreactive beta-endorphin secreted from cultured human corticotropin-secreting adenomas. Westphal M, et al. **Mol Cell Endocrinol** 1985 Mar;39(3):229-35

[Alpha subunit positive cases in so-called non-functioning pituitary adenomas] Yamagami T, et al. **Neurol Med Chir (Tokyo)** 1985 May;25(5):362-7 (Eng. Abstr.) **(Jpn)**

BLOOD

Evidence of a circulating growth hormone stimulating factor other than growth hormone releasing hormone in a patient with pituitary tumour and acromegaly. Hulting AL, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):289-94

The hormonal profile of hypophysial adenomas demonstrates the existence of the secretory interdependence of the pituitary cells. Fonseca ME, et al. **Arch Invest Med (Mex)** 1984 Oct-Dec;15(4):317-30 **(Eng, Spa)**

Effect of an oral serotonin antagonist, ketanserin, on plasma ACTH concentrations in Nelson's syndrome. Prescott RW, et al. **Br Med J [Clin Res]** 1984 Sep 29;289(6448):787-8

Vasoactive intestinal polypeptide stimulation of prolactin release and renin activity in normal man and patients with hyperprolactinaemia: effects of pretreatment with bromocriptine and dexamethazone. Lightman SL, et al. **Eur J Clin Invest** 1984 Dec;14(6):444-8

Comparison of RIA kits with polyclonal antiserum and IRMA kits with monoclonal antibodies for the determination of plasma prolactin and somatotropin in patients with pituitary adenoma. Oosterom R, et al. **J Clin Chem Clin Biochem** 1985 Jan;23(1):51-4

Gonadotropin-releasing hormone pulsatile administration restores luteinizing hormone pulsatility and normal testosterone levels in males with hyperprolactinemia. Bouchard P, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):258-62

Somatotropic adenoma manifested by galactorrhea without acromegaly. Tourniaire J, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):451-3

Estrogenic treatment does not modify the TSH and PRL responses to domperidone and TRH in patients with tumoral hyperprolactinemia. Ghigo E, et al. **J Endocrinol Invest** 1984 Oct;7(5):525-7

Clinical and histopathological characteristics of gonadotropin-producing pituitary adenomas. Miura M, et al. **J Neurosurg** 1985 Mar;62(3):376-82

Inconsistent stimulation of plasma ACTH through corticotropin-releasing factor in a patient with central Cushing's disease due to pituitary adenoma. Rohrmoser B, et al. **Klin Wochenschr** 1985 May 15;63(10):475-7

Abnormal serum melatonin levels in patients with intrasellar tumors. Dempsey RJ, et al. **Neurosurgery** 1984 Dec;15(6):815-9

[Hyperprolactinemia--its relation to galactorrhea, amenorrhea, pituitary tumor and its management] Ge QS. **Chung Hua I Hsueh Tsa Chih** 1984 Sep;64(9):545-9 (Eng. Abstr.) **(Chi)**

[Serum anti-protease activity in the evaluation of results of proton hypophysectomy] Konnova LA, et al. **Med Radiol (Mosk)** 1985 Apr;30(4):17-20 (Eng. Abstr.) **(Rus)**

[Beta-endorphin in pituitary adenomas before surgery and in the postoperative period] Mirzoian RA, et al. **Zh Vopr Neirokhir** 1984 Nov-Dec;(6):18-21 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Infarction of FSH-secreting pituitary adenoma. Koršić M, et al. **Acta Endocrinol (Copenh)** 1984 Oct;107(2):149-54

Absence of intercavernous venous mixing: evidence supporting lateralization of pituitary microadenomas by venous sampling. Oldfield EH, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):644-7

CHEMICALLY INDUCED

Time course of induction of prolactin-secreting pituitary tumors with diethylstilbestrol in male rats: response of tuberoinfundibular dopaminergic neurons. Morgan WW, et al. **Endocrinology** 1985 Jan;116(1):17-24

Rapid enlargement of non-functioning pituitary tumour following withdrawal of bromocriptine [letter] Clark JD, et al. **J Neurol Neurosurg Psychiatry** 1985 Mar;48(3):287

Decreased tuberoinfundibular and pituitary dopamine and dihydroxyphenylacetic acid concentrations in rats with estrogen-induced pituitary tumors. Di Paolo T, et al. **Neurosci Lett** 1985 Mar 15;54(2-3):251-6

Neural, pituitary, and mammary tumors in Sprague-Dawley rats treated with X irradiation to the head and N-Ethyl-N-nitrosourea (ENU) during the early postnatal period: a statistical study of tumor incidence and survival. Mandybur TI, et al. **Radiat Res** 1985 Mar;101(3):460-72

COMPLICATIONS

Progression of cardiovascular disease in acromegalic patients treated by external pituitary irradiation. Baldwin A, et al. **Acta Endocrinol (Copenh)** 1985 Jan;108(1):26-30

A case of primary hyperparathyroidism, primary hyperaldosteronism and Cushing's disease. Herd GW. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):371-4

Successful treatment with sodium valproate of a patient with Cushing's disease and gross enlargement of the pituitary. Koppeschaar HP, et al. **Acta Endocrinol (Copenh)** 1984 Dec;107(4):471-5

Probable ACTH-secreting pituitary tumour in association with Addison's disease. Yanase T, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):36-41

Visual prognosis in pituitary tumors. Jain IS, et al. **Ann Ophthalmol** 1985 Jul;17(7):392-6

Gynaecological importance of unusual pituitary tumours. Fraser IS, et al. **Aust NZ J Obstet Gynaecol** 1985 Feb;25(1):44-9

A case of pituitary dependent Cushing's disease with clinical and biochemical features of the ectopic ACTH syndrome. Hale AC, et al. **Clin Endocrinol (Oxf)** 1985 Apr;22(4):479-88

Hyperprolactinaemia, amenorrhoea and galactorrhoea due to a pituitary thyrotroph adenoma. Scanlon MF, et al. **Clin Endocrinol (Oxf)** 1985 Jul;23(1):35-42

Pituitary Cushing's disease arising from a previously non-functional corticotrophic chromophobe adenoma.

Vaughan NJ, et al. **Clin Endocrinol (Oxf)** 1985 Feb; 22(2):147-53

Hypercalcemia in rats bearing growth hormone- and prolactin-secreting transplantable pituitary tumors. Carlson HE, et al. **Endocrinology** 1985 Oct;117(4):1602-7

Cushing's disease due to an unusually large adenoma of the pituitary gland in infancy. Stegner H, et al. **Eur J Pediatr** 1985 Jan;143(3):221-3

Delayed puberty and hypoplastic uterus associated with hyperprolactinemia: successful treatment with bromocriptine. Kauli R, et al. **Horm Res** 1985;22(1-2):68-73

Dementia—a presenting feature of craniopharyngioma in an elderly patient. Nanvati NJ, et al. **J Assoc Physicians India** 1984 Aug;32(8):756-7

A case of scleroderma associated with pituitary tumor. Kohchiyama A, et al. **J Dermatol (Tokyo)** 1984 Oct; 11(5):460-4

The pathogenesis of acromegaly. Clinical and immunocytochemical analysis in 75 patients. Laws ER Jr, et al. **J Neurosurg** 1985 Jul;63(1):35-8

Acromegaly associated with suprasellar and pulmonary hemangiopericytomas. Case report. Yokota M, et al. **J Neurosurg** 1985 May;62(5):767-71

Cushing's disease caused by an ectopic pituitary adenoma within the sphenoid sinus [letter] Burch WM, et al. **N Engl J Med** 1985 Feb 28;312(9):587-8

Pituitary hyperthyroidism: report of three cases. Ehmann C, et al. **RI Med J** 1984 Oct;67(10):443-7

Acromegaly with multiple secreting pituitary adenomas. Hashimoto N, et al. **Surg Neurol** 1984 Dec;22(6):556-8

Multifocal eosinophilic granuloma with a pituitary stalk lesion. Langer A, et al. **West J Med** 1985 Jun;142(6):829-31

[Carcinoma of the hypophysis with acromegaly] Dušková J, et al. **Cesk Patol** 1984 Aug;20(3):170-6 (Eng. Abstr.) **(Cze)**

[Pituitary apoplexy] Bjerre P. **Ugeskr Laeger** 1984 Jun 11; 146(24):1771-5 (Eng. Abstr.) **(Dan)**

[Occurrence of hypophyseal tumors in secondary amenorrhea] Tabor A, et al. **Ugeskr Laeger** 1984 May 21; 146(21):1557-9 (Eng. Abstr.) **(Dan)**

[Pituitary prolactin adenoma and pigmentary retinopathy. Apropos of 2 cases] Soyeux A, et al. **Bull Soc Ophtalmol Fr** 1983 Oct;83(10):1165-7 **(Fre)**

[Cushing's disease caused by probable pituitary microadenoma associated with an intrasellar arachnoidal diverticulum (letter)] Lorcy Y, et al. **Presse Med** 1985 Feb 9;14(5):264 **(Fre)**

[Association of lobular epithelioma and hypophyseal adenoma in a young woman. A case report] Valette H, et al. **Rev Fr Gynecol Obstet** 1984 Nov;79(11):739-42 (Eng. Abstr.) **(Fre)**

[Eye symptoms in hypophyseal adenomas, craniopharyngiomas and meningiomas of the anterior and middle cranial fossa] Herold S, et al. **Klin Monatsbl Augenheilkd** 1984 Dec;185(6):495-504 (Eng. Abstr.) **(Ger)**

[Neuro-ophthalmology of the chiasmal syndrome] Huber A. **Schweiz Rundsch Med Prax** 1984 Aug 7;73(32):987-94 (Eng. Abstr.) **(Ger)**

[Impotentia coeundi in prolactinoma] Djawari D, et al. **Z Hautkr** 1985 Feb 1;60(3):251-3 (Eng. Abstr.) **(Ger)**

[A case of Zollinger Ellison syndrome with associated multiple endocrine adenomatosis type I] Nishimura K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1985 Apr; 82(4):678-84 **(Jpn)**

[Craniopharyngioma associated with osteoporosis] Starkova NT, et al. **Probl Endokrinol (Mosk)** 1984 Sep-Oct; 30(5):57-8 **(Rus)**

[Endocrine disorders in 'empty' sella turcica] Mizetskaia EA, et al. **Zh Vopr Neirokhir** 1984 Nov-Dec;(6):12-7 (Eng. Abstr.) **(Rus)**

[Oto-palato-digital syndrome and craniopharyngioma. Apropos of a case] Guízar-Vázquez JJ, et al. **Bol Med Hosp Infant Mex** 1984 Sep;41(9):489-93 (Eng. Abstr.) **(Spa)**

[Acromegaly and empty sella turcica] Aguilar M, et al. **Med Clin (Barc)** 1985 May 11;84(18):743-5 (Eng. Abstr.) **(Spa)**

CONGENITAL

CCT and sonographic findings in congenital craniopharyngioma. Helmke K, et al. **Neuroradiology** 1984; 26(6):523-6

DIAGNOSIS

Macroprolactinemia presenting like a pituitary tumor. Jackson RD, et al. **Am J Med** 1985 Feb;78(2):346-50

Cushing's syndrome produced by bronchial carcinoid associated with hypophyseal adenoma. Morán C, et al. **Arch Invest Med (Mex)** 1985 Jan-Mar;16(1):111-8 **(Eng, Spa)**

Cushing disease presenting as atypical psychosis followed by sudden death. Gerson SN, et al. **Can J Psychiatry** 1985 Apr;30(3):223-4

Intrinsic third ventricular craniopharyngioma: two case reports with review of the literature. Bose B, et al. **Del Med J** 1985 Jun;57(6):389-94

Diagnosis and management of prolactinomas. Blackwell RE. **Fertil Steril** 1985 Jan;43(1):5-16 (93 ref.)

A practical approach to pituitary testing. Stonesifer LD. **J Arkansas Med Soc** 1984 Nov;81(6):304-7

Pituitary thyrotroph hyperplasia mimicking prolactin-secreting adenoma. Khalil A, et al. **J Endocrinol Invest** 1984 Aug;7(4):399-404

The inability of dynamic tests of prolactin and TSH secretion to differentiate between tumorous and non-tumorous hyperprolactinemia. Prescott RW, et al. **J Endocrinol Invest** 1985 Feb;8(1):49-54

Stroke due to atrial myxoma in a young woman with co-existing acoustic neuroma and pituitary adenoma [letter] Gorman P, et al. **J Neurol Neurosurg Psychiatry** 1985 Jul; 48(7):718-9

Contribution of nuclear magnetic resonance (NMR) imaging to the diagnosis of non-traumatic neurosurgical diseases. Lavieille J, et al. **J Neuroradiol** 1984;11(4):293-305 **(Eng, Fre)**

Inferior petrosal venous sinus sampling in lateralization of ACTH-secreting pituitary microadenomas [letter] Hendriks MJ, et al. **N Engl J Med** 1985 May 30; 312(22):1457-8

Preoperative lateralization of ACTH-secreting pituitary microadenomas by bilateral and simultaneous inferior petrosal venous sinus sampling. Oldfield EH, et al. **N Engl J Med** 1985 Jan 10;312(2):100-3

Role of cell and explant culture in the diagnosis and characterization of human pituitary tumours. Adams EF, et al. **Neurosurg Rev** 1985;8(3-4):135-40

Initial experience with MR-imaging of intracranial midline-lesions and lesions of the cervical spine at half Tesla. Bluemm RG, et al. **Neurosurg Rev** 1984;7(4):287-302

Simulation of a prolactin-secreting adenoma by an intrasellar craniopharyngioma. Gamblin GT, et al. **Neurosurgery** 1985 May;16(5):689-92

Primary intrasellar germinoma in a woman presenting with secondary amenorrhea and hyperprolactinemia. Shen DY, et al. **Neurosurgery** 1984 Sep;15(3):417-20

Dependence of magnetic resonance image (MRI) intensity values on relaxation times, pulse intervals and other signal attenuation factors. Yamanashi WS, et al. **Physiol Chem Phys Med NMR** 1985;17(1):81-100

Magnetic resonance imaging of pituitary lesions using 1.0 to 1.5 T field strength. Bilaniuk LT, et al. **Radiology** 1984 Nov;153(2):415-8

Basilar venous plexus of the posterior fossa: a potential source of error in petrosal sinus sampling. Doppman JL, et al. **Radiology** 1985 May;155(2):375-8

Sellar and juxtasellar lesion detection with MR. Lee BC, et al. **Radiology** 1985 Oct;157(1):143-7

[Spontaneous course of hypophyseal adenoma] Bjerre P, et al. **Ugeskr Laeger** 1984 Jun 11;146(24):1768-71 (Eng. Abstr.) **(Dan)**

[Silent secreting adenomas: apropos of a series of 217 hypophyseal adenomas] Linquette M, et al. **Bull Acad Natl Med (Paris)** 1984 Oct-Nov;168(7-8):787-91 (Eng. Abstr.) **(Fre)**

[Internal carotid artery aneurysm in the sella turcica area simulating pituitary tumor] Ostrowski K, et al. **Neurol Neurochir Pol** 1984 Mar-Apr;18(2):187-90 (Eng. Abstr.) **(Pol)**

[Role of computerized tomography in the complex diagnosis of Nelson's syndrome] Kasperlik-Zaluska A, et al. **Pol Przegl Radiol (Warszawa)** 1984 May-Jun;48(3):133-5 (Eng. Abstr.) **(Pol)**

[Diagnostic value of fluorophotocalibrometry of retinal vessels in patients with tumors of chiasmal-sellar localization] Kolotova AI. **Oftalmol Zh** 1985;(1):30-3 (Eng. Abstr.) **(Rus)**

[State of the fundus oculi in patients with hypophyseal neoplasms] Novokhatskiĭ AS, et al. **Oftalmol Zh** 1984; (5):297-9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Bromocriptine therapy as pre-operative adjunct of non-functional pituitary macroadenomas. Zárate A, et al. **Acta Endocrinol (Copenh)** 1985 Apr;108(4):445-50

Prolactinomas in men: clinical characteristics and the effect of bromocriptine treatment. Hulting AL, et al. **Acta Med Scand** 1985;217(1):101-9

Effect rates of different modalities for treatment of prolactin adenomas. Wollesen F, et al. **Am J Med** 1985 Jan; 78(1):114-22 (48 ref.)

Bromocriptine treatment of prolactin-secreting pituitary adenomas may restore pituitary function. Warfield A, et al. **Ann Intern Med** 1984 Dec;101(6):783-5

Management of extra-sellar pituitary tumours with bromocriptine: comparison of prolactin secreting and non-functioning tumours using half-field visual evoked potentials and computerised tomography. Pullan PT, et al. **Aust NZ J Med** 1985 Apr;15(2):203-8

Psychotic reactions during treatment of pituitary tumours with dopamine agonists. Turner TH, et al. **Br Med J [Clin Res]** 1984 Oct 27;289(6452):1101-3

Effects of bromocriptine on prolactin-secreting pituitary adenomas. Mechanism of reduction in tumor size evaluated by light and electron microscopic, immunohistochemical, and morphometric analysis. Mori H, et al. **Cancer** 1985 Jul 15;56(2):230-8

The effect of dopamine agonist therapy on large functionless pituitary tumours. Grossman A, et al. **Clin Endocrinol (Oxf)** 1985 May;22(5):679-86

Mechanism of action and tolerance of mesulergine. Lamberts SW, et al. **Clin Pharmacol Ther** 1984 Nov;36(5):620-7

Pure alpha-subunit-secreting mouse pituitary tumor: inhibition of growth and secretion by combined treatment with thyroxine and bromocriptine. Kieffer JD, et al. **Endocrinology** 1985 Oct;117(4):1418-23

Bromocriptine-induced removal of endoplasmic membranes from prolactinoma cells. Landolt AM, et al. **Experientia** 1985 May 15;41(5):640-2

Effects of chronic bromocriptine treatment of an estrone-induced, prolactin-secreting rat pituitary adenoma. Eljarmak D, et al. **Horm Res** 1985;21(3):160-7

Prolactin levels in pregnancy: comparison of normal subjects with patients having micro- or macroadenomas after early bromocriptine withdrawal. Woodhouse NJ, et al. **Horm Res** 1985;21(1):1-9

Bromocriptine as primary therapy for prolactin-secreting macroadenomas: results of a prospective multicenter study. Molitch ME, et al. **J Clin Endocrinol Metab** 1985 Apr; 60(4):698-705

Bromocriptine treatment of microprolactinomas: evidence of stable prolactin decrease after drug withdrawal. Moriondo P, et al. **J Clin Endocrinol Metab** 1985 Apr;60(4):764-72

In vivo effects of progestins on prolactin secretion. Sitruk-Ware R, et al. **J Clin Endocrinol Metab** 1985 Mar; 60(3):575-8

Medical treatment of pituitary adenomas: effects on tumor growth. Liuzzi A, et al. **J Endocrinol Invest** 1985 Jun; 8(3):273-81 (65 ref.)

Effect of chronic bromocriptine administration on tumor size in patients with 'nonsecreting' pituitary adenomas. Verde G, et al. **J Endocrinol Invest** 1985 Apr;8(2):113-5

Evaluation of postoperative intratumoral injection of bleomycin for craniopharyngioma in children. Takahashi H, et al. **J Neurosurg** 1985 Jan;62(1):120-7

Low doses of dopamine agonists in the long-term treatment of macroprolactinomas. Liuzzi A, et al. **N Engl J Med** 1985 Sep 12;313(11):656-9

Inhibition of growth of a prolactin and growth hormone-secreting pituitary tumor in rats by D-tryptophan-6 analog of luteinizing hormone-releasing hormone. Torres-Aleman I, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1252-6

[Medical treatment of prolactin-secreting pituitary adenomas. Influence of the size of the adenoma] Kuhn JM, et al. **Presse Med** 1985 Mar 2;14(9):525-8 (Eng. Abstr.) **(Fre)**

[Drug therapy of hypophyseal tumors] Althoff PH, et al. **Internist (Berlin)** 1985 May;26(5):280-92 **(Ger)**

[Bromocriptine treatment of hyperprolactinemia] Gauer J, et al. **Z Gesamte Inn Med** 1985 Jul 1;40(13):393-6 (Eng. Abstr.) **(Ger)**

[Bromocriptine therapy of prolactinoma in pregnancy] Nehmzow M, et al. **Zentralbl Gynakol** 1985; 107(14):899-903 (Eng. Abstr.) **(Ger)**

[Hyperprolactinemia and hypophyseal tumors—results of treatment with bromocriptine] Stankovski M, et al. **Jugosl Ginekol Opstet** 1984 Jan-Apr;24(1-2):1-6 (Eng. Abstr.) **(Scr)**

ENZYMOLOGY

Subcellular distribution of protein kinase C of GH3 cells: quantitation and characterization by polyacrylamide gel electrophoresis. Fabbro D, et al. **Arch Biochem Biophys** 1985 May 15;239(1):102-11

Somatostatin inhibits growth hormone-releasing factor-stimulated adenylate cyclase activity in GH, cells. Reyl-Desmars F, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):986-91

Enolase distribution in human brain tumors, retinoblastomas and pituitary adenomas. Nakajima T, et al. **Brain Res** 1984 Aug 13;308(2):215-22

Secretion and regulation of two biosynthetic enzyme activities, peptidyl-glycine alpha-amidating monooxygenase and a carboxypeptidase, by mouse pituitary corticotropic tumor cells. Mains RE, et al. **Endocrinology** 1984 Nov;115(5):1683-90

Adenosine 3',5'-monophosphate (cAMP)-dependent protein kinase activity in rodent pituitary tissue: possible role in cAMP-dependent hormone secretion. Miyazaki K, et al. **Endocrinology** 1984 Nov;115(5):1933-45

Thyrotropin-releasing hormone induces redistribution of protein kinase C in GH4C1 rat pituitary cells. Fearon CW, et al. **J Biol Chem** 1985 Jul 15;260(14):8366-71

Erythrocyte catechol-O-methyltransferase, platelet monoamine oxidase, and platelet phenol sulfotransferase activities in patients with prolactin-secreting pituitary adenomas. Young WF Jr, et al. **J Clin Endocrinol Metab** 1984 Dec;59(6):1207-10

Metabolic effect of 3,3',5'-triiodothyronine in cultured growth hormone-producing rat pituitary tumor cells. Evidence for a unique mechanism of thyroid hormone action. St. Germain DL. **J Clin Invest** 1985 Aug;76(2):890-3

Thyrotropin-releasing hormone stimulates GTP hydrolysis by membranes from GH4C1 rat pituitary tumor cells. Hinkle PM, et al. **Proc Natl Acad Sci USA** 1984 Oct; 81(19):6183-7

ETIOLOGY

Synergistic effects of estrogen and serotonin-receptor agonists on the development of pituitary tumors in aging rats. Walker RF, et al. **Neurobiol Aging** 1985 Summer; 6(2):107-11

Nelson's syndrome after Cushing's disease in childhood: a continuing problem. Thomas CG Jr, et al. **Surgery** 1984

Dec;96(6):1067-77

[Primary hypothyroidism and secondary pituitary adenoma (letter)] Gutiérrez A, et al. **Med Clin (Barc)** 1985 Jul 6; 85(6):257 **(Spa)**

FAMILIAL & GENETIC

Tumour ploidy in DNA histograms of pituitary adenomas. Lüdecke DK, et al. **Acta Neurochir (Wien)** 1985; 76(1-2):18-22

[Craniopharyngioma in the same family] Combelles G, et al. **Neurochirurgie** 1984;30(5):347-9 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Immunomodulation in rets by transplantable anterior pituitary tumors. Nagy E, et al. **Endocrinology** 1985 Mar; 116(3):1117-22

METABOLISM

DNA and S-phase representation in human growth hormone producing pituitary adenomas. Hulting AL, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):295-303

Difference of lectin binding sites of secretory granules between normal pituitary and adenoma cells. Hori T, et al. **Acta Neuropathol (Berl)** 1985;66(3):177-83

Characteristics of insulin receptors in a clonal line of rat pituitary tumor cells in culture. Turyn D, et al. **Acta Physiol Pharmacol Latinoam** 1984;34(2):199-206

Synergistic stimulation of prolactin release by phorbol ester, A23187 and forskolin. Delbeke D, et al. **Biochem Biophys Res Commun** 1984 Sep 17;123(2):735-41

Chlordiazepoxide is a competitive thyrotropin-releasing hormone receptor antagonist in GH3 pituitary tumour cells. Drummond AH. **Biochem Biophys Res Commun** 1985 Feb 28;127(1):63-70

Modulation of cyclic AMP accumulation in GH3 cells by a phorbol ester and thyroliberin. Quilliam LA, et al. **Biochem Biophys Res Commun** 1985 Jun 28;129(3):898-903

Pertussis toxin blocks the inhibitory effect of muscarinic cholinergic agonists on cyclic AMP accumulation and prolactin secretion in GH3 anterior-pituitary tumour cells. Brown BL, et al. **Biochem J** 1984 Oct 1;223(1):145-9

The interaction of lithium with thyrotropin-releasing hormone-stimulated lipid metabolism in GH3 pituitary tumour cells. Enhancement of stimulated 1,2-diacylglycerol formation. Drummond AH, et al. **Biochem J** 1984 Nov 15;224(1):129-36

The relationship between pertussis-toxin-induced ADP-ribosylation of a plasma-membrane protein and reversal of muscarinic inhibition of prolactin secretion in GH3 cells. Wojcikiewicz RJ, et al. **Biochem J** 1984 Nov 15;224(1):339-42

Transformed mouse glucocorticoid receptor: generation and interconversion of the 3.8S, monomeric and 5.2S, oligomeric species. Reker CE, et al. **Biochemistry** 1985 Jan 1;24(1):196-204

Glycosylation and processing of high-mannose oligosaccharides of thyroid-stimulating hormone subunits: comparison to nonsecretory cell glycoproteins. Ronin C, et al. **Biochemistry** 1984 Sep 25;23(20):4503-10

Muscarinic acetylcholine receptor activation causes inhibition of cyclic AMP accumulation, prolactin and growth hormone secretion in GH3 rat anterior pituitary tumour cells. Wojcikiewicz RJ, et al. **Biochim Biophys Acta** 1984 Sep 14;805(1):25-9

The levels and subcellular distribution of hormones and marker enzymes in pituitaries from control subjects and patients with prolactinomas, acromegaly or functionless pituitary tumours. De Marco L, et al. **Clin Endocrinol (Oxf)** 1984 Nov;21(5):515-23

Synergistical effects of ovine corticotropin-releasing factor (CRF) and arginine vasopressin (AVP) on the release of pro-opiomelanocortin (POMC) related peptides by pituitary adenoma of a patient with Nelson's syndrome in vitro. Chan JS, et al. **Clin Invest Med** 1984;7(4):205-8

Insulin suppresses rat growth hormone messenger ribonucleic acid levels in rat pituitary tumor cells. Melmed S, et al. **Diabetes** 1985 Apr;34(4):409-12

Glucagon binding to liver membranes of Mt-T-W15 tumor-bearing and hypophysectomized rats. A possible role for insulin and growth hormone. Walsh MF, et al. **Diabetes** 1984 Oct;33(10):978-83

Effects of bromocriptine and cyproheptadine on basal and corticotropin-releasing factor (CRF)-induced ACTH release in a patient with Nelson's syndrome. Hirata Y, et al. **Endocrinol Jpn** 1984 Oct;31(5):619-26

Quantitative differences between immunological and receptor binding activities of hGH in pituitary adenomas from patients with acromegaly. Hizuka N, et al. **Endocrinol Jpn** 1984 Dec;31(6):719-24

Thyrotropin-releasing hormone (TRH) stimulates biphasic elevation of cytoplasmic free calcium in GH3 cells. Further evidence that TRH mobilizes cellular and extracellular Ca2+. Gershengorn MC, et al. **Endocrinology** 1985 Feb; 116(2):591-6

5,5'-Diphenylhydantoin (phenytoin) attenuates the action of 3,5,3'-triiodo-L-thyronine in cultured GC cells. Gingrich SA, et al. **Endocrinology** 1985 Jun;116(6):2306-13

The mechanism of 17 beta-estradiol uptake into prolactin-producing rat pituitary cells (GH3 cells) in culture. Kilvik K, et al. **Endocrinology** 1985 Sep; 117(3):967-75

The effects of maitotoxin on 45Ca2+ flux and hormone release in GH3 rat pituitary cells. Login IS, et al. **Endocrinology** 1985 Feb;116(2):622-7

Evidence for the role of calcium and diacylglycerol as dual second messengers in thyrotropin-releasing hormone action: involvement of diacylglycerol. Martin TF, et al. **Endocrinology** 1984 Oct;115(4):1517-26

Effects of thyrotropin-releasing hormone on prolactin compartments in clonal rat pituitary tumor cells. Morin A, et al. **Endocrinology** 1984 Dec;115(6):2271-7

Lowering of cytosolic free Ca2+ by carbachol, a muscarinic cholinergic agonist, in clonal pituitary cells (GH3 cells). Schlegel W, et al. **Endocrinology** 1985 Sep;117(3):976-81

Relationship between receptor binding and biopotency of somatostatin-14 and somatostatin-28 in mouse pituitary tumor cells. Srikant CB, et al. **Endocrinology** 1985 Jul; 117(1):271-8

Effects of a luteinizing hormone-releasing hormone analog on the growth of estrogen-induced prolactin-secreting rat pituitary tumors and its influence on their dopamine receptors. Di Paolo T, et al. **Eur J Pharmacol** 1984 Jul 13;102(2):383-4

Nucleic acids, glycogen deposition and adrenal gland steroidogenesis in rats with a pituitary mammotropic tumor (MtTF4). Klepac R. **Exp Clin Endocrinol** 1984 Jul; 84(1):117-25

Pertussis toxin selectively abolishes hormone induced lowering of cytosolic calcium in GH3 cells. Schlegel W, et al. **FEBS Lett** 1985 Sep 9;189(1):27-32

Central opioid receptor activity in patients affected by puerperal, idiopathic and tumoral hyperprolactinemia. De Leo V, et al. **Gynecol Obstet Invest** 1985;19(3):160-5

Presence of high affinity dopamine receptors in estrone-induced, prolactin-secreting rat pituitary adenomas: a model for human prolactinomas. Eljarmak D, et al. **Horm Res** 1985;21(2):107-16

Immunohistochemical examination of pituitary adenomas. Comparison to clinical and endocrinological findings. Schatz H, et al. **Horm Res** 1985;21(4):246-53

Thyrotropin-releasing hormone rapidly activates protein phosphorylation in GH3 pituitary cells by a lipid-linked, protein kinase C-mediated pathway. Drust DS, et al. **J Biol Chem** 1984 Dec 10;259(23):14520-30

Evidence for tight coupling of thyrotropin-releasing hormone receptors to stimulated inositol trisphosphate formation in rat pituitary cells. Imai A, et al. **J Biol Chem** 1985 Sep 5;260(19):10536-40

Arachidonic acid inhibits thyrotropin-releasing hormone-induced elevation of cytoplasmic free calcium in GH3 pituitary cells. Kolesnick RN, et al. **J Biol Chem** 1985 Jan 25;260(2):707-13

The exocrine protein trypsinogen is targeted into the secretory granules of an endocrine cell line: studies by gene transfer. Burgess TL, et al. **J Cell Biol** 1985 Aug; 101(2):639-45

Sorting and secretion of adrenocorticotropin in a pituitary tumor cell line after perturbation of the level of a secretory granule-specific proteoglycan. Burgess TL, et al. **J Cell Biol** 1984 Dec;99(6):2223-30

Ca2+ and hormones interact synergistically to stimulate rapidly both prolactin production and overall protein synthesis in pituitary tumor cells. Brostrom MA, et al. **J Cell Physiol** 1984 Nov;121(2):391-401

Cyclical Cushing's disease: two distinct rhythms in a patient with a basophil adenoma. Atkinson AB, et al. **J Clin Endocrinol Metab** 1985 Feb;60(2):328-32

Glycoprotein hormone alpha-subunit response to growth hormone (GH)-releasing hormone in patients with active acromegaly. Evidence for alpha-subunit and GH coexistence in the same tumoral cell. Beck-Peccoz P, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):541-6

Regulation of growth hormone release from cultured human pituitary adenomas by somatomedins and insulin. Ceda GP, et al. **J Clin Endocrinol Metab** 1985 Jun;60(6):1204-9

Specific somatostatin receptors on human pituitary adenoma cell membranes. Ikuyama S, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):666-71

High density of somatostatin receptors in pituitary tumors from acromegalic patients. Reubi JC, et al. **J Clin Endocrinol Metab** 1984 Dec;59(6):1148-51

Muscarinic cholinergic receptors in mouse pituitary tumor cells: prolonged agonist pretreatment decreases receptor content and increases forskolin- and hormone-stimulated cyclic AMP synthesis and adrenocorticotropin secretion. Heisler S, et al. **J Pharmacol Exp Ther** 1985 Jan; 232(1):232-8

Defective thyroliberin-induced prolactin synthesis and release in a hybrid GH strain. Brennessel BA, et al. **Mol Cell Biochem** 1984 Aug;63(1):67-73

Pure alpha-subunit producing tumor derived from a thyrotropic tumor: impaired regulation of alpha-subunit and its mRNA by thyroid hormone. Ross DS, et al. **Mol Cell Endocrinol** 1985 Feb;39(2):161-5

Bidirectional control of cytosolic free calcium by thyrotropin-releasing hormone in pituitary cells. Drummond AH. **Nature** 1985 Jun 27-Jul 3;315(6022):752-5

Increased glucagon receptors in chronically hypersomatotrophic and hyperglucagonemic rats. Dunbar JC, et al. **Proc Soc Exp Biol Med** 1985 May;179(1):32-7

Immunohistochemical demonstration of cytokeratins in endocrine cells of the human pituitary gland and in pituitary adenomas. Höfler H, et al. **Virchows Arch** [A] 1984; 404(4):359-68

MICROBIOLOGY

Infection of AtT20 murine pituitary tumour cells by mouse hepatitis virus strain A59: virus budding is restricted to the Golgi region. Tooze J, et al. **Eur J Cell Biol** 1985 May; 37:203-12

PATHOLOGY

Crush preparations of lesions of the central nervous system. A useful adjunct to the frozen section. Cahill EM, et al. **Acta Cytol (Baltimore)** 1985 May-Jun;29(3):279-85

Immunohistochemistry of folliculo-stellate cells in normal human adenohypophyses and in pituitary adenomas. Höfler H, et al. **Acta Neuropathol (Berl)** 1984;65(1):35-40

Gonadotroph adenomas of the human pituitary: sex-related fine-structural dichotomy. A histologic, immunocytochemical, and electron-microscopic study of 30 tumors. Horvath E, et al. **Am J Pathol** 1984 Dec; 117(3):429-40

Diethylstilbestrol inhibits tumor growth and prolactin production in rat pituitary tumors. Lloyd RV, et al. **Am J Pathol** 1985 Mar;118(3):379-86

Stromal and nuclear markers for rapid identification of pituitary adenomas at biopsy. McKeever PE, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):509-14

Neoplastic and nonneoplastic lesions in aging female rats with special reference to the functional morphology of the hyperplastic and neoplastic changes in the pituitary gland. Attia MA. **Arch Toxicol** 1985 Jun;57(2):77-83

L-Triiodothyronine (T3) stimulates growth of cultured GC cells by action early in the G1 period: evidence for mediation by the nuclear T3 receptor. DeFesi CR, et al. **Endocrinology** 1985 May;116(5):2062-9

The development of mammotroph adenomas in pituitaries of aging female C57BL/6J mice. Clayton CJ, et al. **Exp Gerontol** 1984;19(5):313-20

Saccharin induces morphological changes and enhances prolactin production in GH4C1 cells. Brennessel BA, et al. **In Vitro Cell Dev Biol** 1985 Jul;21(7):402-8

Isolation of large numbers of dispersed human pituitary adenoma cells obtained by aspiration. Oosterom R, et al. **J Endocrinol Invest** 1984 Aug;7(4):307-11

Germinoma of the pituitary gland; a report of two cases. Andrew J, et al. **J Neurol Neurosurg Psychiatry** 1985 Jun; 48(6):589-92

The ectopic pituitary gland in cases of craniopharyngioma. Report of two cases. Decker RE. **J Neurosurg** 1985 Feb; 62(2):291-2

Nelson's syndrome: another condition associated with mucocutaneous hyperpigmentation. Moyer GN, et al. **J Oral Med** 1985 Jan-Mar;40(1):13-7

Pituitary adenomas in old Sprague-Dawley rats: a histologic, ultrastructural, and immunocytochemical study. McComb DJ, et al. **JNCI** 1984 Nov;73(5):1143-66

Effects of 17 beta-estradiol and diethylstilbestrol on concurrent development of hepatic, mammary, and pituitary tumors in WF rats: evidence for differential effect on liver. Sumi C, et al. **JNCI** 1984 Nov;73(5):1229-34

Recurrent pituitary adenomas. Marguth F, et al. **Neurosurg Rev** 1985;8(3-4):221-4

Giant pituitary adenomas. Pia HW, et al. **Neurosurg Rev** 1985; 8(3-4):207-20

Primary pituitary carcinoma: a clinical pathological study. Nudleman KL, et al. **Neurosurgery** 1985 Jan;16(1):90-5

Surgical pathology of the pituitary: the adenomas. Part II. Scheithauer BW. **Pathol Annu** 1984;19 Pt 2:269-329 (198 ref.)

Workshop on pituitary pathology (2nd meeting of the Pituitary Pathology Club). Oaxtepec, Morelos (Mexico), June 19 to 22, 1984. **Rev Invest Clin** 1984 Apr-Jun; 36(2):193-211

Craniopharyngioma arising in the pharyngeal hypophysis. Lewin R, et al. **South Med J** 1984 Dec;77(12):1519-23

Ciliated craniopharyngioma. Goodrich JT, et al. **Surg Neurol** 1985 Jul;24(1):105-11

A pituitary adenoma with dilated ventricles. Mindel JS, et al. **Surv Ophthalmol** 1985 Jul-Aug;30(1):59-61

Hormone-containing, non-secreting pituitary tumors: clinically silent monohormonal pituitary adenomas. Randall RV, et al. **Trans Am Clin Climatol Assoc** 1984;96:98-103

Grading of pituitary adenomas in acromegaly. Comparison of light microscopical, immunocytochemical, and clinical data. Riedel M, et al. **Virchows Arch** [A] 1985;407(1):83-95

Immunohistochemical detection of folliculo-stellate cells in human pituitary adenomas. Lauriola L, et al. **Virchows Arch [Cell Pathol]** 1984;47(3):189-97

[Clinical staging of pituitary tumors--an analysis of treatment results in 205 cases] Yang TE. **Chung Hua Chung Liu Tsa Chih** 1984 May;6(3):199-202 (Eng. Abstr.) **(Chi)**

[Latent pituitary adenomas. Autopsy study] Coulon G, et al. **Arch Anat Cytol Pathol** 1984;32(6):357-60 (Eng. Abstr.) **(Fre)**

[Normal and pathologic anatomy of the pituitary and pituitary adenomas] Ulrich J. **Schweiz Rundsch Med Prax** 1984 Aug 7;73(32):971-4 (Eng. Abstr.) **(Ger)**

[Immunohistological determination of beta-endorphin in chromophobe, clinically hormone-nonproducing hypophyseal adenomas] Gottschalk J, et al.

Zentralbl Allg Pathol 1985;130(2):99-109 (Eng. Abstr.) **(Ger)**

[Correlation between the morphological and functional parameters in hypophyseal adenomas of acromegalic patients] Gottschalk J, et al. **Zentralbl Allg Pathol** 1984; 129(4):307-15 (Eng. Abstr.) **(Ger)**

[Intraductal (intracystic) papilloma of the male breast] Volmer J. **Zentralbl Allg Pathol** 1984;129(6):513-9 (Eng. Abstr.) **(Ger)**

[Clinical pathology of prolactin-forming hypophyseal adenomas] Schwesinger G, et al. **Zentralbl Gynakol** 1984; 106(16):1117-23 (Eng. Abstr.) **(Ger)**

[Case of calcified prolactinoma combined with Rathke's cleft cysts] Matsumori K, et al. **No Shinkei Geka** 1984 Jun; 12(7):833-8 (Eng. Abstr.) **(Jpn)**

[Pituitary oncocytoma] Daita G, et al. **No To Shinkei** 1984 Sep;36(9):873-80 (Eng. Abstr.) **(Jpn)**

[Pituitary hemangiopericytoma] Nikonov AA, et al. **Arkh Patol** 1985;47(2):79-83 (Eng. Abstr.) **(Rus)**

[Case of combined malignant adenoma of the hypophysis and astrocytoma] Tsibel' BN, et al. **Arkh Patol** 1985;47(4):60-2 (Eng. Abstr.) **(Rus)**

[Pituitary tumors extending into the nose, their topography, diagnosis and principles of treatment] Blagoveshchenskaia NS, et al. **Zh Vopr Neirokhir** 1984 Jul-Aug;(4):7-13 (Eng. Abstr.) **(Rus)**

[Pituitary adenoma with widespread extrasellar extension (chief topographo-anatomic features)] Patsko IaV. **Zh Vopr Neirokhir** 1985 Jul-Aug;(3):7-13 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

TRH-induced membrane hyperpolarization in rat clonal anterior pituitary cells. Ozawa S. **Am J Physiol** 1985 Jan; 248(1 Pt 1):E64-9

Somatostatin lowers the cytosolic free Ca2+ concentration in clonal rat pituitary cells (GH3 cells). Schlegel W, et al. **Cell Calcium** 1984 Jun;5(3):223-36

The electrical properties of isolated human prolactin-secreting adenoma cells and their modification by dopamine. Israel JM, et al. **Endocrinology** 1985 Oct; 117(4):1448-55

Modulation (feminization) of hepatic enzymes by an ectopic pituitary tumor. Lamartiniere CA. **Endocrinology** 1985 Aug;117(2):523-6

Pituitary function testing in patients with radiographically evident pituitary tumors. Pavasuthipaisit K, et al. **J Med Assoc Thai** 1985 Mar;68(3):139-45

Facial reflex examination for assessment of trigeminal nerve involvement in pituitary fossa tumours. Bynke O. **J Neurol Neurosurg Psychiatry** 1985 Aug;48(8):768-73

Craniopharyngioma with erosion and drainage into the nasopharynx. An autobiographical case report. Maier HC. **J Neurosurg** 1985 Jan;62(1):132-4

Relationship between maternal prolactin levels during pregnancy and lactation in women with pituitary adenoma. Narita O, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1985 May;37(5):758-62

[Spontaneous regression of a pituitary mass after delivery. Case report] Aida T, et al. **Neurol Med Chir (Tokyo)** 1984 Oct;24(10):789-93 (Eng. Abstr.) **(Jpn)**

[Temporal summation of normal eyes and impaired regions of the visual field] Ogawa T, et al. **Nippon Ganka Gakkai Zasshi** 1984 Sep;88(9):1216-23 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Preventive effects of antioestrogen on mammary and pituitary tumorigenesis in rats. Sumi C, et al. **Br J Cancer** 1984 Dec;50(6):779-84

PSYCHOLOGY

Neuropsychiatric presentation of men with pituitary tumors (the 'four A's'). Cohen LM, et al. **Psychosomatics** 1984 Dec; 25(12):925-8

RADIOGRAPHY

CT of pituitary microadenomas [letter] Bonneville JF, et al. **AJNR** 1985 Jul-Aug;6(4):650

Computed tomography in intra- and suprasellar epithelial cysts (symptomatic Rathke cleft cysts). Okamoto S, et al. **AJNR** 1985 Jul-Aug;6(4):515-9

Meningioma which simulates hypophyseal tumor. Valadez F, et al. **Arch Invest Med (Mex)** 1984 Oct-Dec; 15(4):397-403 **(Eng, Spa)**

CT changes in the septum pellucidum associated with intraventricular craniopharyngiomas. Lanzieri CF, et al. **J Comput Assist Tomogr** 1985 May-Jun;9(3):507-10

Exploration of the pituitary stalk and gland by high-resolution computed tomography. Comparative study of normal subjects and cases with microadenoma. Nakagawa Y, et al. **Neuroradiology** 1984;26(6):473-8

Visual field defects and the size and shape of pituitary adenomas. Kojima M, et al. **Nippon Geka Hokan** 1985 Mar 1;54(2):100-8

Pituitary function with a solitary intrasellar plasmacytoma. Evans PJ, et al. **Postgrad Med J** 1985 Jun;61(716):513-4

[Radiological examination and diagnosis of pituitary adenoma (an analysis of 50 proved cases)] Xie YZ. **Chung Hua Fang She Hsueh Tsa Chih** 1985 Apr;19(2):96-9 (Eng. Abstr.) **(Chi)**

[Tomodensitometry of the sellar region] Louis O, et al. **J Belge Radiol** 1984;67(2):113-20 (Eng. Abstr.) **(Fre)**

[Craniopharyngioma with intraventricular development. Apropos of 2 cases. X-ray computed tomographic aspect] Baudrillard JC, et al. **J Radiol** 1985 Jan;66(1):39-44 (Eng. Abstr.) **(Fre)**

[Computed tomography of the sella turcica contents in the transverse and frontal planes] Lovrenčić M, et al. **ROFO** 1984 Oct;141(4):417-22 (Eng. Abstr.) **(Ger)**

[Use of intravenous digital subtraction angiography in the preoperative diagnosis of hypophyseal tumors] Vogelsang H, et al. **Rontgenblatter** 1984 Oct;37(10):340-2 (Eng. Abstr.) **(Ger)**

[Cystic craniopharyngioma with spontaneous shrinkage of the cyst. Case report] Tokiwa K, et al. **Neurol Med Chir (Tokyo)** 1984 Dec;24(12):954-7 (Eng. Abstr.) **(Jpn)**

[Diagnosis of pituitary microadenoma by magnification carotid angiography and intercavernous sinus venography] Tanabe S, et al. **No Shinkei Geka** 1984 Jun;12(7):815-22 (Eng. Abstr.) **(Jpn)**

[Computed tomography of amenorrhea-galactorrhea syndrome] Nemoto Y, et al. **Rinsho Hoshasen** 1984 May; 29(5):561-4 (Eng. Abstr.) **(Jpn)**

[Pituitary adenomas invading the cavernous sinus] Bromowicz J, et al. **Neurol Neurochir Pol** 1984 Nov-Dec; 18(6):589-94 (Eng. Abstr.) **(Pol)**

[Role of skull x-rays in the differential diagnosis of small intrasellar pituitary tumors] Bukhman AI, et al. **Vestn Rentgenol Radiol** 1985 May-Jun;(3):55-60 (Eng. Abstr.) **(Rus)**

[Diagnostic value of roentgenography in the hyperprolactinemic syndrome] Veinberg EG, et al. **Vestn Rentgenol Radiol** 1984 Nov-Dec;(6):48-52 (Eng. Abstr.) **(Rus)**

[The value of frontal and sagittal reconstruction in the diagnosis of hypophyseal tumors] Marotti M, et al. **Lijec Vjesn** 1984 Oct;106(10):429-34 (Eng. Abstr.) **(Ser)**

RADIOTHERAPY

The radiotherapy of cystic craniopharyngioma with intracystic installation of 90Y silicate colloid. Julow J, et al. **Acta Neurochir (Wien)** 1985;74(3-4):94-9

Growth hormone producing pituitary adenomas with concomitant hypersecretion of prolactin are particularly sensitive to photon irradiation. Werner S, et al. **Int J Radiat Oncol Biol Phys** 1985 Sep;11(9):1713-20

Multiple fusiform intracranial aneurysms following curative radiation therapy for suprasellar germinoma. Case report. Azzarelli B, et al. **J Neurosurg** 1984 Dec;61(6):1141-5

Treatment of craniopharyngiomas in children: 1972-1981. Fischer EG, et al. **J Neurosurg** 1985 Apr;62(4):496-501

The efficacy of radiotherapy for craniopharyngioma. Manaka S, et al. **J Neurosurg** 1985 May;62(5):648-56

[Stereotaxic treatment of expanding cysts in craniopharyngiomas by endocavitary beta-irradiation (Re-186; Au-198; Y-90)] Musolino A, et al. **Neurochirurgie** 1985;31(3):169-78 (Eng. Abstr.) **(Fre)**

[Dynamics of the bioelectrical activity of the brain in patients with intrasellar pituitary adenomas irradiated with a proton beam] Dubikaitis IuV, et al. **Zh Nevropatol Psikhiatr** 1985; 85(3):372-5 (Eng. Abstr.) **(Rus)**

SECONDARY

Metastasis to pituitary adenoma. Molinatti PA, et al. **Arch Pathol Lab Med** 1985 Mar;109(3):287-9

Presentation and management of parasellar and suprasellar metastatic mass lesions. Kattah JC, et al. **J Neurol Neurosurg Psychiatry** 1985 Jan;48(1):44-9

Thyroid carcinoma metastatic to pituitary [letter] Sziklas JJ, et al. **J Nucl Med** 1985 Sep;26(9):1097

Metastatic renal cell carcinoma presenting as an intrasellar mass on computerized tomography. Eick JJ, et al. **J Urol** 1985 Jul;134(1):128-30

Metastasis of an occult gastric carcinoma suggesting growth of a prolactinoma during bromocriptine therapy: a case report with a review of the literature. van Seters AP, et al. **Neurosurgery** 1985 Jun;16(6):813-7

Evaluation of transsphenoidal hypophysectomy in the management of metastatic breast carcinoma. Hormone responsiveness and the interval between initial diagnosis and hypophysectomy provide the most reliable predictors of success. Leclercq TA, et al. **RI Med J** 1984 Oct; 67(10):437-40

[Ophthalmologic manifestations and panhypopituitarism in a pituitary metastasis disclosing bronchial cancer] Leys D, et al. **Rev Otoneuroophtalmol** 1984 Jul-Dec;56(4-5):415-24 (Eng. Abstr.) **(Fre)**

SECRETION

Serum gonadotrophin pulsatile secretion in men with Prl-secreting and non-secreting pituitary tumours. Ambrosi B, et al. **Acta Endocrinol (Copenh)** 1985 May; 109(1):1-6

Prolactin dynamics in patients with non-secretin tumours of the hypothalamic-pituitary region. Barbarino A, et al. **Acta Endocrinol (Copenh)** 1985 Sep;110(1):10-6

Persistence of a defective tuberoinfundibular dopaminergic function in rats after long-term removal of oestrogen treatment. An in vivo study. Cocchi D, et al. **Acta Endocrinol (Copenh)** 1985 Jul;109(3):309-14

Cyproheptadine-mediated inhibition of growth hormone and prolactin release from pituitary adenoma cells of acromegaly and gigantism in culture. Ishibashi M, et al. **Acta Endocrinol (Copenh)** 1985 Aug;109(4):474-80

Effect of [Asu1,7]eel calcitonin on prolactin release in normal subjects and patients with prolactinoma. Kaji H, et al. **Acta Endocrinol (Copenh)** 1985 Mar;108(3):297-304

Restoration of LH pulsatility in patients with prolactinomas after trans-sphenoidal surgery. Koizumi K, et al. **Acta Endocrinol (Copenh)** 1984 Dec;107(4):433-8

Studies on the glucocorticoid-receptor blocking action of RU 38486 in cultured ACTH-secreting human pituitary tumour cells and normal rat pituitary cells. Lamberts SW, et al. **Acta Endocrinol (Copenh)** 1985 May;109(1):64-9

Correlation between the number of thyroliberin binding sites, the tumour size and the plasma prolactin level in human prolactin-secreting adenomas. Le Dafniet M, et al. **Acta Endocrinol (Copenh)** 1985 Apr;108(4):464-7

Dynamic testing of prolactin and growth hormone secretion in patients with neuroendocrine disorders. Müller EE, et al. **Acta Endocrinol (Copenh)** 1984 Oct;107(2):155-63

Prolactinoma of the pituitary containing amyloid. Paetau A, et al. **Acta Endocrinol (Copenh)** 1985 Jun;109(2):176-80

Differential effects of extracellular matrix on secretion of prolactin and growth hormone by rat pituitary tumour cells in vitro. Prysor-Jones RA, et al. **Acta Endocrinol (Copenh)** 1985 Feb;108(2):156-60

Prolactin secretion by mixed ACTH-prolactin pituitary adenoma cells in culture. Yamaji T, et al. **Acta Endocrinol (Copenh)** 1985 Apr;108(4):456-63

Growth and puberty arrest due to prolactinoma. Sack J, et al. **Acta Paediatr Scand** 1984 Nov;73(6):863-7

Prolactin-secreting pituitary microadenomas: inaccuracy of high-resolution CT imaging. Davis PC, et al. **AJR** 1985 Jan;144(1):151-6

Recurrent prolactinoma and meningioma following irradiation and bromocriptine treatment. Kolodny J, et al. **Am J Med** 1985 Jan;78(1):153-5

Physiologic concentrations of dopamine fail to suppress prolactin secretion in patients with idiopathic hyperprolactinemia or prolactinomas. Tallo D, et al. **Am J Obstet Gynecol** 1985 Mar 1;151(5):651-5

Dihydropyridine Ca2+ antagonists: potent inhibitors of secretion from normal and transformed pituitary cells. Enyeart JJ, et al. **Am J Physiol** 1985 May;248(5 Pt 1):C510-9

Functional characteristics of transplantable rat pituitary tumor MtT SA5 inducing pronounced adrenal hyperplasia. Mori H, et al. **Anticancer Res** 1985 Mar-Apr;5(2):225-30

Malignant evolution of an ACTH-producing pituitary tumor treated with intrasellar implantation of 90Y. Case report and review of the literature. Papotti M, et al. **Appl Pathol** 1984;2(1):10-21

Gastric secretion and hormonal interactions in multiple endocrine neoplasia type I. Gogel HK, et al. **Arch Intern Med** 1985 May;145(5):855-9

The inhibitory guanine nucleotide-binding regulatory subunit of adenylate cyclase has an adenylate cyclase-independent modulatory effect on ACTH secretion from mouse pituitary tumor cells. Heisler S. **Biochem Biophys Res Commun** 1985 Jan 31;126(2):941-7

Rat hypothalamic GRF elicits its biologic action in GH3 cells by interaction with VIP- preferring receptor site(s). Zeytin FN, et al. **Biochem Biophys Res Commun** 1985 Mar 29;127(3):992-8

Pituitary adenomas: patterns of hPRL and hGH secretion as revealed by high resolution immunocytochemistry. Bendayan M, et al. **Biol Cell** 1984;52(2):129-38

Prophylactic bromocriptine treatment during pregnancy in women with macroprolactinomas: report of 13 pregnancies. de Wit W, et al. **Br J Obstet Gynaecol** 1984 Nov; 91(11):1059-69

Prolactinomas. Grossman A, et al. **Br Med J [Clin Res]** 1985 Jan 19;290(6463):182-4 (39 ref.)

Prolactinomas [letter] Hall R, et al. **Br Med J [Clin Res]** 1985 Mar 30;290(6473):1002-3

Long term suppression of prolactin concentrations after bromocriptine induced regression of pituitary prolactinomas. Hancock KW, et al. **Br Med J [Clin Res]** 1985 Jan 12;290(6462):117-8

Growth hormone releasing factor increases growth hormone release from MtTW15 pituitary tumors. Judd AM, et al. **Brain Res** 1984 Aug 6;308(1):137-40

Growth hormone-producing pituitary adenoma with crystal-like amyloid immunohistochemically positive for growth hormone. Mori H, et al. **Cancer** 1985 Jan 1; 55(1):96-102

Prolactin cell carcinoma of the pituitary. Clinicopathologic, immunohistochemical, and ultrastructural study of a case with cranial and extracranial metastases. Scheithauer BW, et al. **Cancer** 1985 Feb 1;55(3):598-604

Comparison of the actions of RU 38486 and megestrol acetate in the model of a transplantable adrenocorticotropin- and prolactin-secreting rat pituitary tumor. Lamberts SW, et al. **Cancer Res** 1985 Mar;45(3):1015-9

Effect of nivazol on ACTH secretion by human pituitary corticotrophic tumours in cell culture. Adams EF, et al. **Clin Endocrinol (Oxf)** 1985 May;22(5):631-8

Effect of pancreatic growth hormone releasing factors on GH secretion by human somatotrophic pituitary tumours in cell culture. Adams EF, et al. **Clin Endocrinol (Oxf)**

1984 Dec;21(6):709-18

Dramatic and rapid shrinkage of a massive invasive prolactinoma with bromocriptine: a case report. Clayton RN, et al. **Clin Endocrinol (Oxf)** 1985 May;22(5):573-81

Multiple intracranial metastases from a prolactin secreting pituitary tumour. Gasser RW, et al. **Clin Endocrinol (Oxf)** 1985 Jan;22(1):17-27

Follow-up of prolactin levels in long-term oestrogen-treated male-to-female transsexuals with regard to prolactinoma induction. Gooren LJ, et al. **Clin Endocrinol (Oxf)** 1985 Feb;22(2):201-7

Bioactive forms of serum lactogens: effects of treatment of prolactinoma patients with bromocriptine. Rennie PS, et al. **Clin Endocrinol (Oxf)** 1985 Jan;22(1):65-73

Relationships between the circadian rhythms of TSH, prolactin and cortisol in surgically treated microprolactinoma patients. Salvador J, et al. **Clin Endocrinol (Oxf)** 1985 Mar;22(3):265-72

Gonadotrophin-secreting pituitary tumour: report and review. Whitaker MD, et al. **Clin Endocrinol (Oxf)** 1985 Jan;22(1):43-8

Dopamine control of prolactin secretion in multiple endocrine neoplasia type I. Dornan J, et al. **Clin Invest Med** 1984;7(3):161-4

Pituitary tumors. Howanitz JH, et al. **Clin Lab Med** 1984 Dec;4(4):643-54 (39 ref.)

ACTH-producing hypophyseal carcinoma monitored by computed tomography. Gatti G, et al. **Diagn Imag Clin Med** 1984;53(6):292-7

Restoration of fertility with gonadotropin and bromocriptine in a hypogonadal man after removal of macroprolactinoma. Demura R, et al. **Endocrinol Jpn** 1984 Oct;31(5):651-6

Thyrotropin-releasing hormone rapidly stimulates a biphasic secretion of prolactin and growth hormone in GH4C1 rat pituitary tumor cells. Aizawa T, et al. **Endocrinology** 1985 Jan;116(1):73-82

Cultures of GH3 cells are functionally heterogeneous: thyrotropin-releasing hormone, estradiol and cortisol cause reciprocal shifts in the proportions of growth hormone and prolactin secretors. Boockfor FR, et al. **Endocrinology** 1985 Jul;117(1):418-20

Vasoactive intestinal peptide increases prolactin messenger ribonucleic acid content in GH3 cells. Carrillo AJ, et al. **Endocrinology** 1985 Jan;116(1):202-6

A mu-opiate receptor in 7315c tumor tissue mediates inhibition of immunoreactive prolactin release and adenylate cyclase activity. Frey EA, et al. **Endocrinology** 1984 Nov;115(5):1797-804

Ectopic pituitary grafts in mice: hormone levels, effects on fertility, and the development of adenomyosis uteri, prolactinomas, and mammary carcinomas. Huseby RA, et al. **Endocrinology** 1985 Apr;116(4):1440-8

Dopamine decreases 7315a tumor cell prolactin release induced by calcium mobilization. Judd AM, et al. **Endocrinology** 1985 Sep;117(3):1215-21

Insulin suppresses triiodothyronine-induced growth hormone secretion by GH3 rat pituitary cells. Melmed S, et al. **Endocrinology** 1985 Aug;117(2):532-7

Multiple mechanisms of somatostatin inhibition of adrenocorticotropin release from mouse anterior pituitary tumor cells. Reisine T. **Endocrinology** 1985 Jun;116(6):2259-66

An unusual course of prolactinoma during two consecutive pregnancies. Cohen I, et al. **Eur J Obstet Gynecol Reprod Biol** 1984 Sep;18(1-2):81-4

VIP enhances TRH-stimulated prolactin secretion of pituitary tumours. Studies with 31P NMR. Prysor-Jones RA, et al. **FEBS Lett** 1984 Nov 5;177(1):71-5

Development of acromegaly in a patient with prolactinemia: a case study. Badawy SZ, et al. **Fertil Steril** 1984 Dec;42(6):926-8

Catecholamines and pituitary function. 2. Prolactin response to different dopamine doses in normal cycling women and patients with prolactin-secreting pituitary tumors, both before and after endogenous catecholamine synthesis inhibition. Nicoletti I, et al. **Horm Metab Res** 1984 Dec;16(12):658-62

Interaction between somatostatin and TRH on growth hormone secretion in perifused human growth hormone tumor cells. Le Dafniet M. et al. **Horm Res** 1985;21(4):235-9

Follicle-stimulating hormone-secreting pituitary adenomas. Beckers A, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):525-8

Reduction of follicle-stimulating hormone (FSH) secretion in FSH-producing pituitary adenoma by bromocriptine. Berezin M, et al. **J Clin Endocrinol Metab** 1984 Dec;59(6):1220-3

Effects of hypophysiotropic factors on growth hormone and prolactin secretion from somatotroph adenomas in culture. Ishibashi M, et al. **J Clin Endocrinol Metab** 1985 May;60(5):985-93

A human pituitary adenoma secreting thyrotropin and prolactin: immunohistochemical, biochemical, and cell culture studies. Jaquet P, et al. **J Clin Endocrinol Metab** 1984 Nov;59(5):817-24

Somatostatin receptors in human growth hormone and prolactin-secreting pituitary adenomas. Moyse E, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):98-103

Secretion of uncombined subunits of luteinizing hormone by gonadotroph cell adenomas. Snyder PJ, et al. **J Clin Endocrinol Metab** 1984 Dec;59(6):1169-75

Follicle-stimulating hormone- and alpha-subunit-secreting pituitary tumor treated with bromocriptine. Vance ML, et al. **J Clin Endocrinol Metab** 1985 Sep;61(3):580-4

Effects of growth hormone-releasing factor (1-44) on growth hormone release from human somatotrophinomas in vitro: interaction with somatostatin, dopamine, vasoactive intestinal peptide and cycloheximide. White MC, et al. **J Endocrinol** 1985 May;105(2):269-76

Regulation of hormone release by cultured cells from a thyrotropin-growth hormone-secreting pituitary tumor. Direct inhibiting effects of 3,5,3'-triiodothyronine and dexamethasone on thyrotropin secretion. Lamberts SW, et al. **J Endocrinol Invest** 1984 Aug;7(4):313-7

In vitro studies on TSH secretion and adenylate cyclase activity in a human TSH-secreting pituitary adenoma. Effects of somatostatin and dopamine. Spada A, et al. **J Endocrinol Invest** 1985 Jun;8(3):193-8

Pertussis toxin treatment blocks the inhibition of somatostatin and increases the stimulation by forskolin of cyclic AMP accumulation and adrenocorticotropin secretion from mouse anterior pituitary tumor cells. Reisine T, et al. **J Pharmacol Exp Ther** 1985 Jan;232(1):275-82

Cellular mechanisms regulating adrenocorticotropin release. Reisine TD. **J Recept Res** 1984;4(1-6):291-300

Galactorrhea-amenorrhea and hyperprolactinemia associated with pituitary tumors of growth-hormone- and adrenocorticotropic-hormone-secreting cells. A report of two cases. Haney AF, et al. **J Reprod Med** 1984 Dec;29(12):883-7

Hormone-active intradural spinal metastasis of a prolactinoma--a case report. Landgraf R, et al. **Klin Wochenschr** 1985 Apr 15;63(8):379-84

Unresponsiveness of GH cells to cyclo(histidyl-proline), a metabolite of thyrotropin releasing hormone. Battaini F, et al. **Life Sci** 1984 Dec 17;35(25):2519-27

Prolactin and growth hormone responses to dermorphin in patients with prolactin-secreting pituitary adenoma. degli Uberti EC, et al. **Metabolism** 1985 Sep;34(9):874-9

In vitro secretion of pro-opiomelanocortin (POMC) derived peptides in human ACTH-producing pituitary adenomas: evaluation of hormone ratios in different functional states. Westphal M, et al. **Mol Cell Endocrinol** 1984 Sep;37(2):145-51

Characterization of dopamine and alpha-adrenergic receptors in human prolactin-secreting adenomas with [3H]-dihydroergocryptine. Ramsdell JS, et al. **Neuroendocrinology** 1985 Jun;40(6):518-25

Effects of bromocriptine and radiation on the size and activity of estrogen-induced rat prolactinomas. Hori T, et al. **Neurol Med Chir (Tokyo)** 1985 Jan;25(1):9-14

Cerebrospinal fluid rhinorrhea during treatment with bromocriptine for prolactinoma. Kok JG, et al. **Neurology** 1985 Aug;35(8):1193-5

Present status of neurosurgery in the treatment of prolactinomas. Fahlbusch R, et al. **Neurosurg Rev** 1985;8(3-4):195-205

Microprolactinoma and large prolactinoma: are they two different diseases [letter] Al-Mefty O, et al. **Neurosurgery** 1985 Aug;17(2):379

Role of defective dopaminergic inhibition of prolactin secretion in the pathogenesis of prolactinoma. Vertosick FT Jr. **Neurosurgery** 1985 Feb;16(2):261-6

Hyperprolactinemia and associated pituitary prolactinomas. Brenner SH, et al. **Obstet Gynecol** 1985 May;65(5):661-4

Inhibitors of the cytochrome P-450 enzymes block the secretagogue-induced release of corticotropin in mouse pituitary tumor cells. Luini AG, et al. **Proc Natl Acad Sci USA** 1985 Feb;82(4):1012-4

Prolactin dynamics and tumour size in the prediction of surgical outcome for prolactinoma. Gordon D, et al. **Q J Med** 1985 Feb;54(214):141-51

The presence of macromolecular prolactin in serum of pregnant women and patients with pituitary adenoma. Ohnami S, et al. **Sangyo Ika Daigaku Zasshi** 1985 Jun 1;7(2):185-92

Breast cancer in a patient with prolactinoma. Theodorakis SP, et al. **Surgery** 1985 Aug;98(2):367-9

[Hyperprolactinemia and its treatment (analysis of 107 cases)] Wu JZ. **Chung Hua Fu Chan Ko Tsa Chih** 1985 Jan;20(1):34-7, 60 (Eng. Abstr.) **(Chi)**

[A case of treated primary sterility and the course of pregnancy in the amenorrhea-galactorrhea syndrome associated with pituitary adenoma and hyperprolactinemia] Křivan R. **Cesk Gynekol** 1985 Jun;50(5):361-2 **(Cze)**

[Prolactin-secreting hypophyseal adenomas. Occurrence, etiology, diagnosis and treatment] Wollesen F, et al. **Ugeskr Laeger** 1984 Sep 3;146(36):2680-5 (Eng. Abstr.) **(Dan)**

[Pituitary adenoma secreting somatotropic hormone. Gigantism and peripheral neuropathy. A case] Bercovici JP, et al. **Presse Med** 1984 Sep 15;13(31):1885-8 (Eng. Abstr.) **(Fre)**

[Pseudoprolactinoma caused by subclinical hypothyroidism (letter)] Wemeau JL, et al. **Presse Med** 1985 Jan 26;14(3):167 **(Fre)**

[Functional hyperprolactinemia] Drapier-Faure E. **Rev Fr Gynecol Obstet** 1985 Jul;80(7):519-23 (Eng. Abstr.) **(Fre)**

[Prolactin producing hypophyseal adenoma: diagnosis and therapeutic possibilities] Landolt AM, et al. **Schweiz Med Wochenschr** 1985 Jun 8;115(23):803-9 (Eng. Abstr.) **(Ger)**

[Prolactin-producing hypophyseal adenomas] Sas M, et al. **Zentralbl Gynakol** 1984;106(14):993-1004 (Eng. Abstr.) **(Ger)**

[Hormone secretion and tumor tissue in patients with acromegalic prolactinoma] Horváth T, et al. **Orv Hetil** 1984 Aug 12;125(33):1991-8 (Eng. Abstr.) **(Hun)**

[Prolactin after baclofen in healthy subjects and prolactinoma patients] Morosini PP, et al. **Boll Soc Ital Biol Sper** 1985 Jan 30;61(1):33-8 (Eng. Abstr.) **(Ita)**

[Prolactin-secreting macroadenoma in pregnancy. Critical review and presentation of a clinical case] Bellati U, et al. **Minerva Ginecol** 1984 Dec;36(12):879-83 (Eng. Abstr.) **(Ita)**

[Immunohistochemical and endocrinological study of pituitary adenomas] Yamagami T. **Nippon Geka Hokan** 1984 Nov 1;53(6):756-78 (Eng. Abstr.) **(Jpn)**

[The heterogeneity of serum hPRL in a patient with a giant prolactinoma] Tanaka T, et al. **Nippon Naibunpi Gakkai Zasshi** 1984 Sep 20;60(9):1058-66 (Eng. Abstr.) **(Jpn)**

[A case of TSH-producing pituitary tumor] Akikawa K, et al. **Nippon Naika Gakkai Zasshi** 1985 Mar;74(3):314-21 **(Jpn)**

[Prolactinoma: etiology, pathogenesis, clinical course and treatment] Dedov II, et al. **Akush Ginekol (Mosk)** 1985 Feb;(2):3-7 (58 ref.) **(Rus)**

[Diurnal fluctuations in hormone secretion in hypophyseal adenomas] Epshtein EV, et al. **Vrach Delo** 1984 Nov;(11):63-5 **(Rus)**

SURGERY

The influence of bromocriptine and transsphenoidal surgery on urinary androgen metabolite excretion in acromegaly. Roelfsema F, et al. **Acta Endocrinol (Copenh)** 1984 Nov;107(3):302-11

Transphenoidal removal of GH secreting adenomas: method of choice for the treatment of acromegaly. Tolis G, et al. **Acta Endocrinol [Suppl] (Copenh)** 1984;265:34-5

Effect of a somatostatin analogue on trophic hormone levels in acromegalic patients with elevated hGH after adenomectomy and treatment with bromocriptine. Szilágyi G, et al. **Exp Clin Endocrinol** 1984 Oct;84(2):190-6

Use of the dexamethasone-adrenocorticotropin test to assess the requirement for continued glucocorticoid replacement therapy after pituitary surgery. Beyer HS, et al. **J Clin Endocrinol Metab** 1985 May;60(5):1012-8

Changes in calcium homeostasis in acromegaly treated by pituitary adenomectomy. Takamoto S, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):7-11

Prolactin secretion in acromegalic patients before and after selective adenomectomy. Tsuchiya H, et al. **J Clin Endocrinol Metab** 1985 Jul;61(1):104-9

Analysis of treatment results in craniopharyngioma. Amendola BE, et al. **J Clin Oncol** 1985 Feb;3(2):252-8

Zygomatic approach for lesions in the interpeduncular cistern. Fujitsu K, et al. **J Neurosurg** 1985 Mar;62(3):340-3

Radical excision of craniopharyngioma. Results in 20 patients. Symon L, et al. **J Neurosurg** 1985 Feb;62(2):174-81

Pioneers in transsphenoidal pituitary surgery [letter] Udvarhelyi GB. **J Neurosurg** 1985 May;62(5):790

Fluid balance and secretion of antidiuretic hormone following transsphenoidal pituitary surgery. A preliminary series. Whitaker SJ, et al. **J Neurosurg** 1985 Sep;63(3):404-12

A decade of pituitary microsurgery. The Herbert Olivecrona lecture. Wilson CB. **J Neurosurg** 1984 Nov;61(5):814-33

Results of neurosurgical treatment by a transsphenoidal approach in 10 patients with Nelson's syndrome. Wisławski J, et al. **J Neurosurg** 1985 Jan;62(1):68-71

Complications of transsphenoidal surgery. Kruger LB. **J Neurosurg Nurs** 1985 Jun;17(3):179-83

Results of transsphenoidal surgery for growth-hormone secreting pituitary adenomas. Saitoh Y, et al. **Neurol Med Chir (Tokyo)** 1984 Jul;24(7):478-84

The application of flash visual evoked potentials during operations on the anterior visual pathways. Costa e Silva I, et al. **Neurol Res** 1985 Mar;7(1):11-6

Trends in pituitary surgery. **Neurosurg Rev** 1985;8(3-4):131-231

Trans-sphenoidal microsurgical treatment of Nelson's syndrome. Fukushima T. **Neurosurg Rev** 1985;8(3-4):185-94

Symptomatic Rathke's cleft cysts located entirely in the suprasellar region: review of diagnosis, management, and pathogenesis. Barrow DL, et al. **Neurosurgery** 1985 Jun;16(6):766-72

Bifrontal epidural hematoma after transsphenoidal operation: report of a case with a rare complication. Saitoh Y, et al. **Neurosurgery** 1985 May;16(5):658-9

Evaluation of pituitary-adrenal function after pituitary surgery. Laurberg P, et al. **Scand J Clin Lab Invest** 1985 Jun;45(4):303-8

Transsphenoidal surgery for acromegaly--long-term results in 100 patients. Grisoli F, et al. **Surg Neurol** 1985 May;23(5):513-9

Suprasellar germinoma occurring two years after total removal of pineal teratoma. Nagasawa S, et al. **Surg Neurol** 1984 Nov;22(5):481-5

Pituitary tumours--the physician's view. Nabarro J. **Trans Med Soc Lond** 1982-84;99-100:148-55

[Visual function after surgery of compressive lesions in the area of the anterior intracranial part of the visual pathway]

Vladyková J, et al. **Cesk Oftalmol** 1985 May;41(3):161-5 (Eng. Abstr.) **(Cze)**

[Value and limitations of the use of CO2 laser in neurosurgery. Reflexions from a french experience] Roux FX, et al. **Neurochirurgie** 1984;30(5):335-9 (Eng. Abstr.) **(Fre)**

[Possibilities and limits of microsurgery. Pituitary adenomas] Probst C. **Schweiz Rundsch Med Prax** 1984 Aug 7; 73(32):975-81 (Eng. Abstr.) **(Ger)**

[Postoperative courses in space occupying processes of the cranial base] Friedrich P, et al. **Zentralbl Neurochir** 1984; 45(4):276-9 (Eng. Abstr.) **(Ger)**

[Surgical results and clinical analysis of 19 cases of acromegaly] Sugimoto S, et al. **Hokkaido Igaku Zasshi** 1985 Mar;60(2):241-51 (Eng. Abstr.) **(Jpn)**

[Surgery in endocrine disorders. 1. Pituitary tumors] Kuwayama A. **Nippon Geka Gakkai Zasshi** 1984 Sep; 85(9):1014-8 (Eng. Abstr.) **(Jpn)**

[Therapy of Cushing's syndrome and the results--with special reference to Hardy's method] Kuwayama A. **Nippon Rinsho** 1984 Nov;42(11):2474-7 (12 ref.) **(Jpn)**

[Surgery of Craniopharyngiomas] Suzuki J, et al. **No Shinkei Geka** 1985 May;13(5):479-90 **(Jpn)**

[Effect of ketamine-seduxen general anesthesia on neuroendocrine reactions in patients operated on for pituitary adenoma] Usvatova Ila, et al. **Anesteziol Reanimatol** 1984 Nov-Dec;(6):16-20 (Eng. Abstr.) **(Rus)**

[Features of the mediator reaction in patients with tumors of the sella-diencephalic region in the early postoperative period] Usvatova Ila, et al. **Anesteziol Reanimatol** 1984 Sep-Oct;(5):49-53 (Eng. Abstr.) **(Rus)**

[Reaction of the sympathetic-adrenal system of patients with tumors of the sellar-diencephalic region in the postoperative period] Il'icheva RF, et al. **Zh Vopr Neirokhir** 1985 Mar-Apr;(2):35-40 (Eng. Abstr.) **(Rus)**

[Transsphenoidal approach in pituitary adenomas with suprasellar growth] Pastor E, et al. **Zh Vopr Neirokhir** 1984 Sep-Oct;(5):3-6 (Eng. Abstr.) **(Rus)**

[Pituitary microadenoma. Subsequent pregnancies (clinical cases)] Wainstein C, et al. **Rev Chil Obstet Ginecol** 1981; 46(1):20-4 (Eng. Abstr.) **(Spa)**

THERAPY

Surgery and radiation therapy in the management of craniopharyngiomas. Hoogenhout J, et al. **Int J Radiat Oncol Biol Phys** 1984 Dec;10(12):2293-7

Pituitary microadenomas: diagnostic and therapeutic trends. Grimes EM. **J Natl Med Assoc** 1984 Oct;76(10):997-1004 (32 ref.)

Pregnancy and the hyperprolactinemic woman. Molitch ME. **N Engl J Med** 1985 May 23;312(21):1364-70 (98 ref.)

The hormonal effects of pituitary surgery and irradiation: a review of 59 cases. Wittert G, et al. **NZ Med J** 1985 Feb 27;98(773):93-7

ULTRASTRUCTURE

Fibrous bodies in growth hormone-secreting adenomas contain cytokeratin filaments. Neumann PE, et al. **Arch Pathol Lab Med** 1985 Jun;109(6):505-8

Pathobiologic study of pituitary tumors: report of 62 cases with a review of the recent literature. Challa VR, et al. **Hum Pathol** 1985 Sep;16(9):873-84

Bromocriptine effects on cultured human prolactin-producing pituitary adenomas: in vitro ultrastructural, morphometric, and immunoelectron microscopic studies. Hassoun J, et al. **J Clin Endocrinol Metab** 1985 Oct;61(4):686-92

Sellar glomangioma. Asa SL, et al. **Ultrastruct Pathol** 1984; 7(1):49-54

[Pituitary adenomas with acromegaly--pathological analysis of light and electron microscopic findings in 60 cases] Zang X. **Chung Hua I Hsueh Tsa Chih** 1984 Aug;64(8):482-5 (Eng. Abstr.) **(Chi)**

[Electron microscopy manifestations of pituitary adenoma with acromegaly and gigantism] Guo YP. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1985 Feb; 18(1):10-2 (Eng. Abstr.) **(Chi)**

[Multidimensional analysis of automatically measured karyometric data on pituitary adenomas] Gottschalk J, et al. **Zentralbl Allg Pathol** 1984;129(3):201-8 (Eng. Abstr.) **(Ger)**

VETERINARY

Pituitary tumour causing multiple endocrinopathies in a dog. Barr SC. **Aust Vet J** 1985 Apr;62(4):127-9

Non-dexamethasone-suppressible, pituitary-dependent hyperadrenocorticism in a dog. Kemppainen RJ, et al. **J Am Vet Med Assoc** 1985 Aug 1;187(3):276-8

Craniopharyngioma in a dog. Hawkins KL, et al. **J Comp Pathol** 1985 Jul;95(3):469-74

The effect of repeated reproduction on the incidence of pituitary tumours in Wistar rats. Pickering CE, et al. **Lab Anim** 1984 Oct;18(4):371-8

Contrast enhancement of spontaneous animal CNS tumors with gadolinium DTPA: a correlation of MRI with x-ray CT. Goldstein EJ, et al. **Physiol Chem Phys Med NMR** 1985;17(1):113-22

[Hypophyseal adenocarcinoma in a horse. A case study] Martens J, et al. **Tierarztl Prax** 1984;12(3):354-8 (Eng. Abstr.) **(Ger)**

PITUITRIN see under **PITUITARY HORMONES, POSTERIOR**

PITYRIASIS

Pityriasis rosea. Marks R. **Aust Fam Physician** 1984 Nov; 13(11):824-5

COMPLICATIONS

Pityriasis rosea eruption in secondary syphilis: an isomorphic phenomenon? Secher L, et al. **Cutis** 1985 Apr;35(4):403-4

DIAGNOSIS

[Gibert's pityriasis rosea. Topographic observations and differential diagnosis] Faucher F, et al. **Tunis Med** 1984 Jul-Aug;62(4):303-5 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Treatment of lymphomatoid papulosis with methotrexate [letter] Everett MA. **Br J Dermatol** 1984 Nov;111(5):631

ETIOLOGY

Extensive pityriasis alba and atopic dermatitis [letter] Wolf R, et al. **Br J Dermatol** 1985 Feb;112(2):247

Pityriasis rosea Gibert and Mycoplasma pneumoniae infection. Ishibashi A, et al. **J Dermatol (Tokyo)** 1985 Feb; 12(1):97-100

IMMUNOLOGY

Pityriasis rosea (Gibert): abnormal distribution pattern of antigen presenting cells in situ. Bos JD, et al. **Acta Derm Venereol (Stockh)** 1985;65(2):132-7

Immunohistologic studies in pityriasis rosea. Evidence for cellular immune reaction in the lesional epidermis. Aiba S, et al. **Arch Dermatol** 1985 Jun;121(6):761-5

HLA-DR antigen expression on the keratinocyte surface in dermatoses characterized by lymphocytic exocytosis (e.g. pityriasis rosea). Aiba S, et al. **Br J Dermatol** 1984 Sep; 111(3):285-94

Immune complexes and lymphocyte subset in secondary stage pityriasis rosea. Wu YC, et al. **J Dermatol (Tokyo)** 1984 Dec;11(6):541-4

OCCURRENCE

[Incidence pityriasis rosea of Gibert in the Dermatology Service of the Hospital do Servidor Público in the state of São Paulo] de Souza Sittart JA, et al. **Med Cutan Ibero Lat Am** 1984;12(4):336-8 (Eng. Abstr.) **(Por)**

PATHOLOGY

Functional and morphological analysis of the horny layer of pityriasis alba. Urano-Suehisa S, et al. **Acta Derm Venereol (Stockh)** 1985;65(2):164-7

PITYRIASIS RUBRA PILARIS

BLOOD

Pityriasis rubra pilaris, vitamin A and retinol-binding protein: a case study. van Voorst Vader PC, et al. **Acta Derm Venereol (Stockh)** 1984;64(5):430-2

DRUG THERAPY

Stanozolol in the treatment of pityriasis rubra pilaris [letter] Brice SL, et al. **Arch Dermatol** 1985 Sep;121(9):1105-6

Stanozolol in the treatment of pityriasis rubra pilaris. Pavlidakey GP, et al. **Arch Dermatol** 1985 Apr;121(4):546-8

13-cis-retinoic acid for dyskeratinizing diseases--clinicopathological responses. Risch J, et al. **Clin Exp Dermatol** 1984 Sep;9(5):472-83

PITYRIASIS VERSICOLOR see **TINEA VERSICOLOR**

PITYROSPORUM see **MALASSEZIA**

PIVAMPICILLIN see under **AMPICILLIN**

PIZOTYLINE see under **THIOPHENES**

PLACEBOS

A new device for administering placebo alcohol. Mendelson JH, et al. **Alcohol** 1984 Sep-Oct;1(5):417-9

Suggestibility and placebo effect [editorial] Deltito JA. **Clin Exp Rheumatol** 1985 Apr-Jun;3(2):97-8

Credibility of placebo transcutaneous nerve stimulation and acupuncture. Petrie J, et al. **Clin Exp Rheumatol** 1985 Apr-Jun;3(2):151-3

Demand effects for desensitization and two placebos in a dental fear context. Landau DL, et al. **J Behav Ther Exp Psychiatry** 1984 Jun;15(2):115-21

Conditioned placebo responses. Voudouris NJ, et al. **J Pers Soc Psychol** 1985 Jan;48(1):47-53

Clinicians' expectations influence placebo analgesia [letter] Gracely RH, et al. **Lancet** 1985 Jan 5;1(8419):43

Influence of the method of drug administration on analgesic response. Levine JD, et al. **Nature** 1984 Dec 20-1985 Jan 2;312(5996):755-6

The solid gold placebo. Marbach JJ. **NY State Dent J** 1985 May;51(5):278-84 (26 ref.)

Placebo effect in tinnitus management. Duckert LG, et al. **Otolaryngol Head Neck Surg** 1984 Dec;92(6):697-9

[Placebo technics in obstetrical psychoprophylaxis] Cepický P, et al. **Cesk Gynekol** 1984 Aug;49(7):520-1 **(Cze)**

[Functional structure of the placebo reaction] Medvedev VI, et al. **Fiziol Cheloveka** 1984 May-Jun;10(3):458-64 **(Rus)**

ADMINISTRATION & DOSAGE

Dose requirements and hemodynamic effects of transdermal nitroglycerin compared with placebo in patients with congestive heart failure. Jordan RA, et al. **Circulation** 1985 May;71(5):980-6

THERAPEUTIC USE

Placebo-controlled clinical trials in gastroenterology. A position paper of the American College of Gastroenterology. Sachar DB. **Am J Gastroenterol** 1984 Dec;79(12):913-7

Ethics. A perspective on the proper use of placebos in research and therapy. Geden EA. **AORN J** 1984 Dec; 40(6):912-6

Evolution of acute hepatitis B in homosexual men to chronic hepatitis B. Prospective study of placebo recipients in a hepatitis B vaccine trial. Shah N, et al. **Arch Intern Med** 1985 May;145(5):881-2

Psychotherapy: the treatment of choice for neurotic/reactive depression? Parker G. **Aust NZ J Psychiatry** 1985 Mar; 19(1):36-43

Placebo therapy for postmenopausal osteoporosis. Elias C, et al. **Calcif Tissue Int** 1985 Jan;37(1):6-13

Placebo therapy in rheumatoid arthritis. Langley GB, et al. **Clin Exp Rheumatol** 1983 Jan-Mar;1(1):17-21

Placebos and the power of negative thinking [editorial] Edmeads J. **Headache** 1984 Nov;24(6):342-3

A comparative oral analgesic study of indoprofen, aspirin, and placebo in postpartum pain. Sunshine A, et al. **J Clin Pharmacol** 1985 Jul-Aug;25(5):374-80

The placebo effect [letter] Baughan DM. **JAMA** 1985 May 3;253(17):2493

Placebo--the universal drug. Gross F. **Methods Inf Med** 1984 Oct;23(4):176-82

Role of initial pain intensity in placebo-induced analgesia in ureteral colic [letter] Grossi E, et al. **Pain** 1985 May; 22(1):97-9

Placebos, patients, and physicians. Spiro HM. **Pharos** 1984 Spring;47(2):2-6

PLACENTA

see related
MATERNAL-FETAL EXCHANGE

Genetic amniocentesis: impact of placental position upon the risk of pregnancy loss. Crane JP, et al. **Am J Obstet Gynecol** 1984 Dec 1;150(7):813-6

Dickinson's sign: focal uterine softening in early pregnancy and its correlation with the placental site. Munsick RA. **Am J Obstet Gynecol** 1985 Aug 1;152(7 Pt 1):799-802

Plasma levels of adenosine 3',5'-monophosphate in the fetoplacental unit and maternal circulation at delivery. Weintraub Z, et al. **Biol Neonate** 1985;47(3):186-8

On the capillary-tube viscometry of placental blood. Whittington RB, et al. **Biorheology** 1984;Suppl 1:111-4

Criteria for evaluating perfusion experiments and presentation of results. Challier JC. **Contrib Gynecol Obstet** 1985;13:32-9 (19 ref.)

Human placenta in vitro: characterization during 12 h of dual perfusion. Miller RK, et al. **Contrib Gynecol Obstet** 1985; 13:77-84

Past, present, and future of placental perfusion experiments. Panigel M. **Contrib Gynecol Obstet** 1985;13:132-6

Dual in vitro perfusion of an isolated lobe of human placenta: method and instrumentation. Schneider H, et al. **Contrib Gynecol Obstet** 1985;13:40-7

The shadow of life: psychosocial explanations for placenta rituals. Davidson JR. **Cult Med Psychiatry** 1985 Mar; 9(1):75-92

Placental-site trophoblastic tumor (trophoblastic pseudotumor): case report demonstrating failure of chemotherapy, surgery, and radiotherapy to control metastatic disease. Samlowski WE, et al. **Gynecol Oncol** 1985 May;21(1):111-7

Nontraditional treatment of mycosis fungoides in a dog. Bender WM. **J Am Vet Med Assoc** 1984 Oct 15; 185(8):900-1

Human placenta: a convenient source of homologous material, for diagnosis and therapy of inborn errors of metabolism. Mathieu M, et al. **J Inherited Metab Dis** 1984; 7(4):175-8

Placental site trophoblastic tumor of the uterus: an ultrastructural and immunohistochemical study. Berger G, et al. **Ultrastruct Pathol** 1984;6(4):319-29

[The placenta. Ultrasonic and hormonal changes in fetal growth retardation] Ruseva R, et al. **Akush Ginekol (Sofiia)** 1985;24(1):16-9 (Eng. Abstr.) **(Bul)**

[Safety belts and fetal fractures of the cranium (letter)] Kristensen GB. **Ugeskr Laeger** 1984 Nov 12;146(46):3553-4

☆ U.S. GOVERNMENT PRINTING OFFICE: 1986-493-784